

AM207_HW7

October 28, 2019

1 Homework #7 (Due 10/30/2019, 11:59pm)

1.1 Bayesian Neural Networks

AM 207: Advanced Scientific Computing Instructor: Weiwei Pan Fall 2019

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1.1.1 Instructions:

Submission Format: Use this notebook as a template to complete your homework. Please intersperse text blocks (using Markdown cells) amongst `python` code and results -- format your submission for maximum readability. Your assignments will be graded for correctness as well as clarity of exposition and presentation -- a “right” answer by itself without an explanation or is presented with a difficult to follow format will receive no credit.

Code Check: Before submitting, you must do a “Restart and Run All” under “Kernel” in the Jupyter or colab menu. Portions of your submission that contains syntactic or run-time errors will not be graded.

Libraries and packages: Unless a problems specifically asks you to implement from scratch, you are welcomed to use any `python` library package in the standard Anaconda distribution.

```
[1]: from autograd import numpy as np
      from autograd import grad
      from autograd.misc.optimizers import adam, sgd
      from autograd import scipy as sp
      import pandas as pd
      import numpy
      import matplotlib.pyplot as plt
      import sys
      # %matplotlib inline
```

```
[2]: class Feedforward:
      def __init__(self, architecture, random=None, weights=None):
          self.params = {'H': architecture['width'],
                          'L': architecture['hidden_layers'],
```

```

        'D_in': architecture['input_dim'],
        'D_out': architecture['output_dim'],
        'activation_type': architecture['activation_fn_type'],
        'activation_params': {}
    }

    self.D = ((architecture['input_dim'] * architecture['width'] +
    architecture['width'])
        + (architecture['output_dim'] * architecture['width'] +
    architecture['output_dim'])
        + (architecture['hidden_layers'] - 1) *
    (architecture['width'] ** 2 + architecture['width']))

    if random is not None:
        self.random = random
    else:
        self.random = np.random.RandomState(0)

    self.h = architecture['activation_fn']

    if weights is None:
        self.weights = self.random.normal(0, 1, size=(1, self.D))
    else:
        self.weights = weights

    self.objective_trace = np.empty((1, 1))
    self.weight_trace = np.empty((1, self.D))

    def forward(self, weights, x):
        ''' Forward pass given weights and input '''
        H = self.params['H']
        D_in = self.params['D_in']
        D_out = self.params['D_out']

        assert weights.shape[1] == self.D

        if len(x.shape) == 2:
            assert x.shape[0] == D_in
            x = x.reshape((1, D_in, -1))
        else:
            assert x.shape[1] == D_in

        weights = weights.T

        # input to first hidden layer
        W = weights[:H * D_in].T.reshape((-1, H, D_in))

```

```

b = weights[H * D_in:H * D_in + H].T.reshape((-1, H, 1))
input = self.h(np.matmul(W, x) + b)
index = H * D_in + H

assert input.shape[1] == H

# additional hidden layers
for _ in range(self.params['L'] - 1):
    before = index
    W = weights[index:index + H * H].T.reshape((-1, H, H))
    index += H * H
    b = weights[index:index + H].T.reshape((-1, H, 1))
    index += H
    output = np.matmul(W, input) + b
    input = self.h(output)

    assert input.shape[1] == H

# output layer
W = weights[index:index + H * D_out].T.reshape((-1, D_out, H))
b = weights[index + H * D_out:].T.reshape((-1, D_out, 1))
output = np.matmul(W, input) + b
assert output.shape[1] == self.params['D_out']
output = output.squeeze(0) # Rylan added
return output

def make_objective(self, x_train, y_train, reg_param=None):
    ''' Make objective functions: depending on whether or not you want to
    ↪ apply l2 regularization '''

    if reg_param is None:

        def objective(W, t):
            squared_error = np.linalg.norm(y_train - self.forward(W,
            ↪ x_train), axis=1) ** 2
            sum_error = np.sum(squared_error)
            return sum_error

        return objective, grad(objective)

    else:

        def objective(W, t):
            squared_error = np.linalg.norm(y_train - self.forward(W,
            ↪ x_train), axis=1) ** 2
            mean_error = np.mean(squared_error) + reg_param * np.linalg.
            ↪ norm(W)

```

```

        return mean_error

    return objective, grad(objective)

def fit(self, x_train, y_train, params, reg_param=None):
    ''' Wrapper for MLE through gradient descent '''
    assert x_train.shape[0] == self.params['D_in']
    assert y_train.shape[0] == self.params['D_out']

    ### make objective function for training
    self.objective, self.gradient = self.make_objective(x_train, y_train,
→reg_param)

    ### set up optimization
    step_size = 0.01
    max_iteration = 5000
    check_point = 100
    weights_init = self.weights.reshape((1, -1))
    mass = None
    optimizer = 'adam'
    random_restarts = 5

    if 'step_size' in params.keys():
        step_size = params['step_size']
    if 'max_iteration' in params.keys():
        max_iteration = params['max_iteration']
    if 'check_point' in params.keys():
        self.check_point = params['check_point']
    if 'init' in params.keys():
        weights_init = params['init']
    if 'call_back' in params.keys():
        call_back = params['call_back']
    if 'mass' in params.keys():
        mass = params['mass']
    if 'optimizer' in params.keys():
        optimizer = params['optimizer']
    if 'random_restarts' in params.keys():
        random_restarts = params['random_restarts']

    def call_back(weights, iteration, g):
        ''' Actions per optimization step '''
        objective = self.objective(weights, iteration)
        self.objective_trace = np.vstack((self.objective_trace, objective))
        self.weight_trace = np.vstack((self.weight_trace, weights))
        if iteration % check_point == 0:
            print("Iteration {} lower bound {}; gradient mag: {}".
→format(iteration, objective, np.linalg.norm(

```

```

        self.gradient(weights, iteration)))

    ### train with random restarts
    optimal_obj = 1e16
    optimal_weights = self.weights

    for i in range(random_restarts):
        if optimizer == 'adam':
            adam(self.gradient, weights_init, step_size=step_size,
                ↪ num_iters=max_iteration, callback=call_back)
            local_opt = np.min(self.objective_trace[-100:])

            if local_opt < optimal_obj:
                opt_index = np.argmin(self.objective_trace[-100:])
                self.weights = self.weight_trace[-100:][opt_index].reshape((1,
                ↪ -1))

            weights_init = self.random.normal(0, 1, size=(1, self.D))

    self.objective_trace = self.objective_trace[1:]
    self.weight_trace = self.weight_trace[1:]

```

```

[3]: data = pd.read_csv('HW7_data.csv')
data.head()
x = data['x'].values
x = x.reshape((1, -1))
y = data['y'].values
y = y.reshape((1, -1))

```

1.2 Problem Description: Bayesian Neural Network Regression

In Lab #7, you will explore MLE models for regression with neural networks. For contrast, in this homework you will explore Bayesian models for regression with neural networks -- essentially, you will place priors on the network parameters \mathbf{W} and infer the posterior $p(\mathbf{W}|\text{Data})$. These Bayesian models are called *Bayesian neural networks*. The data for this regression problem is in `HW7_data.csv`. You are provided an implementation of a neural network as well as an example of how to use it -- but feel free to implement your own version!

1.2.1 Part I: Implement Hamiltonian Monte Carlo

1. (The Sampler) Implement Hamiltonian Monte Carlo with:

- Euclidean-Gaussian Kinetic Energy, with mass $m = 1$ (see Lecture #12 Notes)
- Leap-frog integrator

```

[4]: def K(p, M):
    term1 = 0.5 * p.T @ np.linalg.inv(M) @ p

```

```

term2 = 0.5 * np.log(np.linalg.det(M))
term3 = 0.5 * p.shape[0] * np.log(2*np.pi)
return term1 + term2 + term3

```

```

def UUnivariateNormal(q):
    return 0.5*np.square(q) # doesn't matter: + 0.5*np.log(2*np.pi)

```

```

[5]: def HMC Sampler(K, U, q_init=None, num_samples=1e5, num_steps=1e2, dim=1,
    ↪ mass=1, epsilon=1e-2):
    num_samples = int(num_samples)
    num_steps = int(num_steps)

    print('Number of Samples: ', num_samples)
    print('Number of Steps per Sample: ', num_steps)
    print('Epsilon: ', epsilon)

    samples = numpy.zeros((num_samples,) + q_init.shape))

    # initial values
    if q_init is None:
        q_current = numpy.random.multivariate_normal(mean=numpy.zeros(dim),
    ↪ cov=numpy.identity(dim))
    else:
        q_current = q_init
        dim = q_init.shape[-1]

    M = mass * numpy.identity(dim)
    dUdq = grad(U)
    dKdp = grad(K)

    for i in range(num_samples):

        # simulate movement
        p_current = numpy.random.multivariate_normal(
            mean=numpy.zeros(dim),
            cov=M)
        q_new = q_current.copy()
        p_new = p_current.copy()
        # p_new = numpy.random.multivariate_normal(mean=numpy.
    ↪ zeros(dim), cov=M)
        p_new -= epsilon * dUdq(q_new) / 2 # half step
        for j in range(int(num_steps)):
            assert dKdp(p_new, M).shape == p_new.shape
            q_new += epsilon * dKdp(p_new, M)
            p_new -= epsilon * dUdq(q_new)
            q_new += epsilon * dKdp(p_new, M)

```

```

    p_new -= epsilon * dUdq(q_new) / 2 # half step

    # reverse momentum
    p_new = -p_new

    # correction for simulation error
    h_current = K(p_current, M) + U(q_current)
    h_new = K(p_new, M) + U(q_new)
    alpha = numpy.minimum(1, numpy.exp(h_current - h_new))
    if numpy.random.uniform(0, 1) < alpha:
        q_current, p_current = q_new.copy(), p_new.copy()

    # append sample
    print('Sample {}: '.format(i), q_current)
    samples[i] = q_current

return samples

```

2. **(Unit Test)** Check that your implementation is correct by running it on a standard normal distribution $\mathcal{N}(0, 1)$ as your target distribution and initializing at $q = -10$. Check that the histogram of HMC samples (after appropriate burn-in and thinning) look like a standard normal and that the traceplot of q indicates convergence.

```

[6]: q_init = np.array([-10.])

univariate_normal_hmc_samples = HMCsampler(
    K=K,
    U=UUnivariateNormal,
    q_init=q_init,
    num_samples=1e4,
    num_steps=50,
    epsilon=1e-2)

# univariate_normal_hmc_samples = univariate_normal_hmc_samples

```

```

Number of Samples: 10000
Number of Steps per Sample: 50
Epsilon: 0.01
Sample 0: [-8.97467808]
Sample 1: [-8.05233226]
Sample 2: [-6.89278543]
Sample 3: [-6.11761374]
Sample 4: [-4.80141314]
Sample 5: [-4.01176118]
Sample 6: [-3.38967072]
Sample 7: [-2.6548371]
Sample 8: [-1.93341968]
Sample 9: [-1.09706653]

```

Sample 10: [-0.13549651]
Sample 11: [0.36600008]
Sample 12: [0.1358762]
Sample 13: [0.13261757]
Sample 14: [-0.26281932]
Sample 15: [-0.80145885]
Sample 16: [-1.59591777]
Sample 17: [-1.35967061]
Sample 18: [-0.92736187]
Sample 19: [-0.99242969]
Sample 20: [0.05269533]
Sample 21: [-1.17779613]
Sample 22: [-1.11192983]
Sample 23: [-0.93186035]
Sample 24: [-0.3363285]
Sample 25: [-0.59974384]
Sample 26: [-0.59445739]
Sample 27: [-0.26281141]
Sample 28: [-0.19103747]
Sample 29: [-0.70676331]
Sample 30: [-0.80308454]
Sample 31: [-1.2543929]
Sample 32: [-0.61481269]
Sample 33: [-0.25201875]
Sample 34: [0.00690763]
Sample 35: [1.34672971]
Sample 36: [1.69681296]
Sample 37: [1.01589084]
Sample 38: [0.99945301]
Sample 39: [1.15644852]
Sample 40: [0.95575008]
Sample 41: [1.20580233]
Sample 42: [0.47660058]
Sample 43: [0.03736544]
Sample 44: [-0.42723444]
Sample 45: [-1.60800804]
Sample 46: [-1.5395374]
Sample 47: [-2.03790958]
Sample 48: [-2.74090773]
Sample 49: [-2.06929326]
Sample 50: [-1.17763968]
Sample 51: [-0.1891651]
Sample 52: [-0.82884828]
Sample 53: [-0.24116175]
Sample 54: [-0.35385516]
Sample 55: [-0.25099411]
Sample 56: [0.08751614]
Sample 57: [0.42923317]

Sample 58: [0.30274277]
Sample 59: [0.46670171]
Sample 60: [0.25407493]
Sample 61: [0.0520373]
Sample 62: [0.60042184]
Sample 63: [0.33991137]
Sample 64: [-0.59112789]
Sample 65: [0.01042037]
Sample 66: [-0.08354313]
Sample 67: [-0.15753002]
Sample 68: [1.10113864]
Sample 69: [0.67060217]
Sample 70: [0.67270994]
Sample 71: [1.36807574]
Sample 72: [1.39597413]
Sample 73: [0.73730787]
Sample 74: [0.59760054]
Sample 75: [0.7373424]
Sample 76: [0.4867651]
Sample 77: [0.40342041]
Sample 78: [0.0774304]
Sample 79: [0.82570998]
Sample 80: [-0.09998575]
Sample 81: [-0.40303936]
Sample 82: [-0.81018305]
Sample 83: [-0.90928865]
Sample 84: [-1.32241645]
Sample 85: [-0.48731229]
Sample 86: [-0.11686802]
Sample 87: [-0.37830075]
Sample 88: [-0.30614171]
Sample 89: [-1.24064956]
Sample 90: [-0.79430937]
Sample 91: [0.40930862]
Sample 92: [0.73626311]
Sample 93: [0.57685371]
Sample 94: [-0.43823756]
Sample 95: [-0.45593865]
Sample 96: [-0.32966342]
Sample 97: [-0.06754657]
Sample 98: [-1.12269971]
Sample 99: [0.23183889]
Sample 100: [0.35810477]
Sample 101: [-0.23677625]
Sample 102: [-0.19086356]
Sample 103: [-0.36590353]
Sample 104: [-0.36486487]
Sample 105: [-1.42837307]

Sample 106: [-0.27525808]
Sample 107: [-0.85826228]
Sample 108: [-1.3728702]
Sample 109: [-0.36794219]
Sample 110: [-0.73843541]
Sample 111: [-0.29311956]
Sample 112: [-0.09484342]
Sample 113: [0.30718693]
Sample 114: [0.32119446]
Sample 115: [-0.27281836]
Sample 116: [-0.81762179]
Sample 117: [-0.19732164]
Sample 118: [-0.20642923]
Sample 119: [-0.05593491]
Sample 120: [-0.58450672]
Sample 121: [-0.08801041]
Sample 122: [0.64523799]
Sample 123: [0.06478427]
Sample 124: [0.11819701]
Sample 125: [0.28013979]
Sample 126: [0.24511159]
Sample 127: [0.03863319]
Sample 128: [0.32050077]
Sample 129: [-0.22461092]
Sample 130: [0.20061855]
Sample 131: [-0.04879507]
Sample 132: [-0.08166561]
Sample 133: [-0.31183598]
Sample 134: [-0.76452869]
Sample 135: [0.45973243]
Sample 136: [0.03558108]
Sample 137: [0.93311059]
Sample 138: [0.95443512]
Sample 139: [0.92696385]
Sample 140: [0.5576923]
Sample 141: [1.05622645]
Sample 142: [0.59107178]
Sample 143: [1.50057723]
Sample 144: [0.96652469]
Sample 145: [0.99205214]
Sample 146: [0.95258156]
Sample 147: [0.97795379]
Sample 148: [0.527888]
Sample 149: [0.40440043]
Sample 150: [0.32122623]
Sample 151: [1.07783879]
Sample 152: [0.59651568]
Sample 153: [0.17039598]

Sample 154: [-0.58878732]
Sample 155: [-0.97384106]
Sample 156: [-1.27779897]
Sample 157: [-0.12926492]
Sample 158: [-0.06781599]
Sample 159: [0.47247012]
Sample 160: [0.60688744]
Sample 161: [-0.42781812]
Sample 162: [-0.51883165]
Sample 163: [-1.39174364]
Sample 164: [-1.17332548]
Sample 165: [-0.82984579]
Sample 166: [-0.98115162]
Sample 167: [-1.08609871]
Sample 168: [-0.97584664]
Sample 169: [-0.65476849]
Sample 170: [-1.11974307]
Sample 171: [-1.45627209]
Sample 172: [-0.78078125]
Sample 173: [-0.13205173]
Sample 174: [0.37278311]
Sample 175: [0.37698618]
Sample 176: [0.57871589]
Sample 177: [1.26242732]
Sample 178: [1.11643339]
Sample 179: [0.18418984]
Sample 180: [0.87019543]
Sample 181: [-0.71349088]
Sample 182: [-0.39155514]
Sample 183: [0.21448069]
Sample 184: [1.0567125]
Sample 185: [0.57374386]
Sample 186: [0.01131794]
Sample 187: [0.43940995]
Sample 188: [0.32295582]
Sample 189: [-0.36372677]
Sample 190: [0.27118816]
Sample 191: [-0.84718187]
Sample 192: [-0.59207111]
Sample 193: [-1.12980554]
Sample 194: [-1.24320217]
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Sample 200: [0.65803935]
Sample 201: [1.48509924]

Sample 202: [0.51994058]
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Sample 270: [1.81573607]
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Sample 274: [1.53000727]
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Sample 277: [1.83936384]
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Sample 285: [0.34680297]
Sample 286: [0.41527773]
Sample 287: [-0.31474772]
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Sample 317: [0.96724718]
Sample 318: [0.71523353]
Sample 319: [0.3068111]
Sample 320: [-0.21494142]
Sample 321: [-0.03522679]
Sample 322: [-0.2508274]
Sample 323: [-0.4399785]
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Sample 325: [-0.57940908]
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Sample 330: [-0.51325585]
Sample 331: [-1.43101648]
Sample 332: [-1.38895813]
Sample 333: [-1.40510945]
Sample 334: [-1.09756285]
Sample 335: [-0.14792231]
Sample 336: [0.51340637]
Sample 337: [1.12832212]
Sample 338: [-0.08457166]
Sample 339: [-0.31799621]
Sample 340: [-0.07520318]
Sample 341: [0.65262556]
Sample 342: [0.23168071]
Sample 343: [-0.86437688]
Sample 344: [-0.32376617]
Sample 345: [0.36648513]

Sample 346: [0.51863842]
Sample 347: [0.75214569]
Sample 348: [0.36466809]
Sample 349: [0.82957639]
Sample 350: [1.19904229]
Sample 351: [1.20487907]
Sample 352: [0.96172586]
Sample 353: [0.89113786]
Sample 354: [0.0593093]
Sample 355: [0.51880394]
Sample 356: [-0.26837055]
Sample 357: [-0.25324468]
Sample 358: [0.06888387]
Sample 359: [-0.2839659]
Sample 360: [-0.20591159]
Sample 361: [0.56088199]
Sample 362: [0.36665987]
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Sample 9557: [-1.6288]
Sample 9558: [-2.18314915]
Sample 9559: [-2.28717289]
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Sample 9561: [-0.47940805]

Sample 9562: [-1.1489502]
Sample 9563: [-0.86087027]
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Sample 9565: [-0.02852441]
Sample 9566: [-0.00821035]
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Sample 9568: [-0.48685223]
Sample 9569: [-0.30922417]
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Sample 9903: [1.61968927]
Sample 9904: [1.51793223]
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Sample 9907: [1.56044191]
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Sample 9921: [-1.31710672]
Sample 9922: [-1.25083325]
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Sample 9924: [-0.76087629]
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Sample 9939: [0.70985776]
Sample 9940: [0.31223266]
Sample 9941: [0.55312465]
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Sample 9943: [0.20110644]
Sample 9944: [0.29890371]
Sample 9945: [0.78486339]

Sample 9946: [0.06117527]
Sample 9947: [0.12095765]
Sample 9948: [0.58891222]
Sample 9949: [1.59819019]
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Sample 9952: [0.55518762]
Sample 9953: [0.58547427]
Sample 9954: [0.55448581]
Sample 9955: [-0.21046414]
Sample 9956: [-0.14842503]
Sample 9957: [0.01740813]
Sample 9958: [0.34904219]
Sample 9959: [1.40503336]
Sample 9960: [1.52034102]
Sample 9961: [1.70643481]
Sample 9962: [1.54064131]
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Sample 9974: [1.93385566]
Sample 9975: [2.55810808]
Sample 9976: [2.90638826]
Sample 9977: [1.99274837]
Sample 9978: [2.48909869]
Sample 9979: [2.07213489]
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Sample 9981: [0.87632713]
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Sample 9984: [0.26216956]
Sample 9985: [-0.19095123]
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Sample 9987: [0.81048514]
Sample 9988: [0.28240636]
Sample 9989: [0.72214806]
Sample 9990: [0.43143865]
Sample 9991: [0.24350016]
Sample 9992: [-0.05039894]
Sample 9993: [-0.97497729]

```
Sample 9994: [-1.49835155]
Sample 9995: [-0.86361622]
Sample 9996: [-0.8857405]
Sample 9997: [-1.23221223]
Sample 9998: [-1.0885876]
Sample 9999: [-0.36878872]
```

```
[7]: import plotly.express as px

burned_samples = univariate_normal_hmc_samples[int(
    ↪20*univariate_normal_hmc_samples.shape[0]):, 0]

from statsmodels.tsa.stattools import acf
print('ACF Values: ', acf(burned_samples, nlags=20))

fig = px.histogram(x=burned_samples, histnorm='probability density')
fig.show()
```

/usr/local/lib/python3.6/dist-packages/statsmodels/tsa/stattools.py:541:
FutureWarning:

fft=True will become the default in a future version of statsmodels. To suppress
this warning, explicitly set fft=False.

```
ACF Values: [1.          0.87494742 0.76836805 0.67672766 0.59506545 0.52192232
 0.45944407 0.40091578 0.35032732 0.30423522 0.268566   0.23408727
 0.19895772 0.16772266 0.14037977 0.11226244 0.09126963 0.07783071
 0.06360263 0.04891625 0.03858353]
```

```
[8]: thinned_samples = burned_samples[:,15, ]
print('Number of Thinned, Burned Samples: ', len(thinned_samples))
print('Mean of samples: ', numpy.mean(thinned_samples))
print('Var of samples: ', numpy.var(thinned_samples))
```

```
Number of Thinned, Burned Samples: 534
Mean of samples: -0.05094950554565193
Var of samples: 1.0700962649618084
```

```
[9]: import plotly.express as px

fig = px.histogram(x=thinned_samples, histnorm='probability density')
fig.show()
```

```
[10]: import plotly
import plotly.graph_objects as go
```



```

plot_data = go.Scatter(x=numpy.arange(len(thinned_samples)), y=thinned_samples)
fig = go.Figure(data=plot_data)
fig.show()

```

1.2.2 Part II: Sample from the Posterior of a Bayesian Neural Network

1. **(The Bayesian Neural Network Model)** We will implement the following Bayesian model for the data:

$$\mathbf{W} \sim \mathcal{N}(0, 5^2 \mathbf{I}_{D \times D}) \quad (1)$$

$$\mu^{(n)} = g_{\mathbf{W}}(\mathbf{X}^{(n)}) \quad (2)$$

$$Y^{(n)} \sim \mathcal{N}(\mu^{(n)}, 0.5^2) \quad (3)$$

where $g_{\mathbf{W}}$ is a neural network with parameters \mathbf{W} represented as a vector in \mathbb{R}^D with D being the total number of parameters (including biases).

Implement the log of the joint distribution in `autograd`'s version of `numpy`, i.e. implement $\log [p(\mathbf{W}) \prod_{n=1}^N p(Y^{(n)} | \mathbf{X}^{(n)}, \mathbf{W})]$.

Hint: you'll need to write out the log of the various Gaussian pdf's and implement their formulae using `autograd`'s `numpy` functions.

We first define what exactly we must implement by writing out the log joint distribution and dropping all terms that do not depend on \mathbf{W} :

$$\log P(W, Y | X) = \log [p(W) \prod_{n=1}^N p(Y^{(n)} | X^{(n)}, W)] \quad (4)$$

$$= \log p(W) + \sum_{n=1}^N \log p(Y^{(n)} | X^{(n)}, W) \quad (5)$$

$$= -\frac{1}{2} \log(2\pi) - \frac{1}{2} \log |\Sigma| - \frac{1}{2} W^T (5^2 I)^{-1} W + \sum_{n=1}^N \log p(Y^{(n)} | X^{(n)}, W) \quad (6)$$

$$\propto -\frac{1}{2} W^T (5^2 I)^{-1} W + \sum_{n=1}^N \log p(Y^{(n)} | X^{(n)}, W) \quad (7)$$

$$= -\frac{1}{2} W^T (5^2 I)^{-1} W + \sum_{n=1}^N \left[-\frac{1}{2} \log(2\pi) - \frac{1}{2} \log |0.5^2| - \frac{1}{2} (Y^{(n)} - \mu^{(n)})^T (0.5^2)^{-1} (Y^{(n)} - \mu^{(n)}) \right] \quad (8)$$

$$\propto -\frac{1}{2} W^T (5^2 I)^{-1} W + \sum_{n=1}^N \left[-\frac{1}{2} (Y^{(n)} - g_W(X^{(n)}))^T (0.5^2)^{-1} (Y^{(n)} - g_W(X^{(n)})) \right] \quad (9)$$

```
[11]: def log_joint(W, Ys=y, Xs=x):
    term1 = -0.5 * W @ W.T / 25
    Yhats = nn.forward(W, Xs)
    term2 = -0.5*4*(Ys - Yhats) @ (Ys - Yhats).T
    return term1 + term2

# temp = log_joint(W=nn.weights, Ys=y.reshape((1, -1)), Xs=x.reshape((1, -1)))

[12]: def UNeuralNetwork(W):
    if W.shape[0] != 1:
        W = W.reshape((1, -1))
    lj = log_joint(W)
    return -lj
```

2. **(The Unnormalized Posterior is Enough)** By Bayes rule, the posterior $p(\mathbf{W}|\text{Data}) = \frac{\log[p(\mathbf{W}) \prod_{n=1}^N p(Y^{(n)}|\mathbf{X}^{(n)}, \mathbf{W})]}{\mathcal{Z}}$, where \mathcal{Z} is a normalizing constant defined by a complicated integral. Argue that we do not need to evaluate \mathcal{Z} for HMC sampling from the posterior. In particular, examine the Metropolis-Hasting acceptance mechanism in HMC and argue that the normalizing constant is not needed; furthermore, examine the gradient update steps in the leap-frog integrator and argue that we do not need the normalizing constant in the gradient update.

In the acceptance mechanism, we compute the ratio of the probability of the new point to the probability of the old point i.e. $\frac{P(W_{new})}{P(W_{old})}$. Since both the numerator and the denominator have $1/\mathcal{Z}$ terms, the two constants cancel and thus \mathcal{Z} becomes irrelevant.

The normalizing constant is irrelevant in the leap-frog integrator for a different reason. Recall that $U(q) = -\log \pi(q)$ and that $K(p) = -\log \pi(p)$; the application of the log will separate \mathcal{Z} into its own term $-\log \mathcal{Z}$, and since \mathcal{Z} is a constant with respect to both p and q , taking the derivative thus eliminates this term.

3. **(Sample from the Posterior)** Use HMC to sample from the posterior of the Bayesian neural network. Start with the following settings for your sampler:

```
params = {'step_size':1e-3,
          'leapfrog_steps':50,
          'total_samples':10000,
          'burn_in':.1,
          'thinning_factor':2,
          'position_init': nn.weights}
```

Note that you should initialize with the MLE model, otherwise convergence may be slow. Please feel free to tweak these design choices as you see fit!

```
[13]: ###define rbf activation function
alpha = 1
c = 0
h = lambda x: np.exp(-alpha * (x - c)**2)
```

```

###neural network model design choices
width = 5
hidden_layers = 1
input_dim = 1
output_dim = 1

architecture = {'width': width,
                'hidden_layers': hidden_layers,
                'input_dim': input_dim,
                'output_dim': output_dim,
                'activation_fn_type': 'rbf',
                'activation_fn_params': 'c=0, alpha=1',
                'activation_fn': h}

params = {'step_size':1e-3,
          'max_iteration':10001,
          'random_restarts':1,
          'check_point':200}

#set random state to make the experiments replicable
rand_state = 0
random = np.random.RandomState(rand_state)

#instantiate a Feedforward neural network object
nn = Feedforward(architecture, random=random)

# train the network
nn.fit(x.reshape((1, -1)), y.reshape((1, -1)), params)

```

```

Iteration 0 lower bound 65.11668053773148; gradient mag: 164.7321094609157
Iteration 100 lower bound 52.864360467566954; gradient mag: 56.954586390884565
Iteration 200 lower bound 49.426333853702964; gradient mag: 28.31627548203755
Iteration 300 lower bound 47.733261895623144; gradient mag: 18.31175187956584
Iteration 400 lower bound 46.64774569354082; gradient mag: 13.47755254054697
Iteration 500 lower bound 45.886915428058316; gradient mag: 10.503599898310592
Iteration 600 lower bound 45.25067576634; gradient mag: 8.654932255566825
Iteration 700 lower bound 30.562858257343013; gradient mag: 24.1925753228009
Iteration 800 lower bound 26.977925085924852; gradient mag: 20.354176994190933
Iteration 900 lower bound 24.278363637665734; gradient mag: 18.77912591689822
Iteration 1000 lower bound 22.02986716940495; gradient mag: 17.427416991221943
Iteration 1100 lower bound 20.106100408860325; gradient mag: 16.21045518866592
Iteration 1200 lower bound 18.43436747168102; gradient mag: 15.092044558814075
Iteration 1300 lower bound 16.967826824623163; gradient mag: 14.051620576729906
Iteration 1400 lower bound 15.673763205688545; gradient mag: 13.07650688789188
Iteration 1500 lower bound 14.52785019669398; gradient mag: 12.15858303432993
Iteration 1600 lower bound 13.51104118089244; gradient mag: 11.292691333772902

```

Iteration 1700 lower bound 12.607737627992934; gradient mag: 10.475901826346675
 Iteration 1800 lower bound 11.804614404003855; gradient mag: 9.707342852428729
 Iteration 1900 lower bound 11.08977327305976; gradient mag: 8.988599356616401
 Iteration 2000 lower bound 10.452003162028154; gradient mag: 8.324954075223918
 Iteration 2100 lower bound 9.879926845203448; gradient mag: 7.728107510229664
 Iteration 2200 lower bound 9.360728932888751; gradient mag: 7.221146412450928
 Iteration 2300 lower bound 8.878118698993092; gradient mag: 6.843182251011429
 Iteration 2400 lower bound 8.410371873546008; gradient mag: 6.627021939587406
 Iteration 2500 lower bound 7.937214402172411; gradient mag: 6.461888287390539
 Iteration 2600 lower bound 7.471807925987623; gradient mag: 6.054967192028708
 Iteration 2700 lower bound 7.048560738747637; gradient mag: 5.623261826592469
 Iteration 2800 lower bound 6.657649714610485; gradient mag: 5.301596015489052
 Iteration 2900 lower bound 6.286937924356821; gradient mag: 5.005817266509646
 Iteration 3000 lower bound 5.932348941430824; gradient mag: 4.738230196194087
 Iteration 3100 lower bound 5.5911336206209485; gradient mag: 4.496972816298515
 Iteration 3200 lower bound 5.261275455408111; gradient mag: 4.278187646372161
 Iteration 3300 lower bound 4.941457959341479; gradient mag: 4.078179065269128
 Iteration 3400 lower bound 4.6310060561160205; gradient mag: 3.8933742950112133
 Iteration 3500 lower bound 4.329797769584351; gradient mag: 3.7204132445853806
 Iteration 3600 lower bound 4.038157311705764; gradient mag: 3.556269206709465
 Iteration 3700 lower bound 3.756740063917853; gradient mag: 3.398336991338033
 Iteration 3800 lower bound 3.486418190371085; gradient mag: 3.2444781370885503
 Iteration 3900 lower bound 3.228173818091554; gradient mag: 3.09302784318385
 Iteration 4000 lower bound 2.983004984081998; gradient mag: 2.9427729212293867
 Iteration 4100 lower bound 2.7518476624500336; gradient mag: 2.7929113696219288
 Iteration 4200 lower bound 2.5355150988915507; gradient mag: 2.643003494153074
 Iteration 4300 lower bound 2.3346536991188067; gradient mag: 2.4929221870323546
 Iteration 4400 lower bound 2.149713314288466; gradient mag: 2.3428066637339215
 Iteration 4500 lower bound 1.9809292604652136; gradient mag: 2.193020647459896
 Iteration 4600 lower bound 1.8283137632422364; gradient mag: 2.0441136627500742
 Iteration 4700 lower bound 1.6916553649649706; gradient mag: 1.896783257659039
 Iteration 4800 lower bound 1.5705256812596615; gradient mag: 1.7518364695730388
 Iteration 4900 lower bound 1.464293373837468; gradient mag: 1.6101500586762574
 Iteration 5000 lower bound 1.372145194334405; gradient mag: 1.472630238301942
 Iteration 5100 lower bound 1.2931135553235429; gradient mag: 1.3401733579691384
 Iteration 5200 lower bound 1.2261095200674328; gradient mag: 1.2136291284746006
 Iteration 5300 lower bound 1.1699595835060193; gradient mag: 1.0937676769971116
 Iteration 5400 lower bound 1.1234442741889101; gradient mag: 0.9812512421063398
 Iteration 5500 lower bound 1.0853364809877017; gradient mag: 0.8766108846616596
 Iteration 5600 lower bound 1.0544374790480324; gradient mag: 0.7802283270250203
 Iteration 5700 lower bound 1.0296088526691245; gradient mag: 0.6923229786568087
 Iteration 5800 lower bound 1.0097988475753616; gradient mag: 0.6129443440319642
 Iteration 5900 lower bound 0.9940621024101455; gradient mag: 0.5419702880196495
 Iteration 6000 lower bound 0.9815721882281819; gradient mag: 0.4791119652013911
 Iteration 6100 lower bound 0.9716269021332484; gradient mag: 0.42392644868341184
 Iteration 6200 lower bound 0.9636467829301202; gradient mag: 0.3758379841045603
 Iteration 6300 lower bound 0.9571677953012234; gradient mag: 0.3341680797598628
 Iteration 6400 lower bound 0.9518295094699327; gradient mag: 0.2981732006258788

Iteration 6500 lower bound 0.9473603349308859; gradient mag: 0.2670869170835662
 Iteration 6600 lower bound 0.9435614176657398; gradient mag: 0.24016168509830907
 Iteration 6700 lower bound 0.9402906778872795; gradient mag: 0.21670489181783334
 Iteration 6800 lower bound 0.937448179866544; gradient mag: 0.19610486560454585
 Iteration 6900 lower bound 0.9349636432157272; gradient mag: 0.17784488048773223
 Iteration 7000 lower bound 0.9327864954502706; gradient mag: 0.16150580228170147
 Iteration 7100 lower bound 0.930878494854459; gradient mag: 0.14675994060127648
 Iteration 7200 lower bound 0.9292086696688912; gradient mag: 0.13335942825222244
 Iteration 7300 lower bound 0.9277501483760665; gradient mag: 0.12112219021539183
 Iteration 7400 lower bound 0.9264783945011934; gradient mag: 0.10991775212348277
 Iteration 7500 lower bound 0.9253703857236378; gradient mag: 0.09965422926950007
 Iteration 7600 lower bound 0.9244043582903462; gradient mag: 0.09026710811189498
 Iteration 7700 lower bound 0.9235598402274632; gradient mag: 0.08170996768182612
 Iteration 7800 lower bound 0.9228177944604712; gradient mag: 0.07394705094393111
 Iteration 7900 lower bound 0.922160770569918; gradient mag: 0.06694750473544879
 Iteration 8000 lower bound 0.921573017069408; gradient mag: 0.060681088408898014
 Iteration 8100 lower bound 0.9210405376965239; gradient mag:
 0.055115161816815354
 Iteration 8200 lower bound 0.9205510914285527; gradient mag:
 0.050212785255612215
 Iteration 8300 lower bound 0.9200941429847448; gradient mag:
 0.045931792000539415
 Iteration 8400 lower bound 0.9196607730359075; gradient mag: 0.04222472066369448
 Iteration 8500 lower bound 0.9192435578672378; gradient mag:
 0.039039504990487355
 Iteration 8600 lower bound 0.9188364280295733; gradient mag: 0.03632079759977759
 Iteration 8700 lower bound 0.9184345149510619; gradient mag: 0.03401175022862366
 Iteration 8800 lower bound 0.918033993626538; gradient mag: 0.03205600850869499
 Iteration 8900 lower bound 0.9176319283644769; gradient mag: 0.03039964261196094
 Iteration 9000 lower bound 0.9172261272029131; gradient mag: 0.02899275753924413
 Iteration 9100 lower bound 0.9168150091066914; gradient mag:
 0.027790610532196426
 Iteration 9200 lower bound 0.9163974865521548; gradient mag:
 0.026754179135951964
 Iteration 9300 lower bound 0.9159728647096236; gradient mag:
 0.025850230854874902
 Iteration 9400 lower bound 0.915540757241301; gradient mag: 0.025051014259062046
 Iteration 9500 lower bound 0.9151010178007657; gradient mag: 0.02433371399137785
 Iteration 9600 lower bound 0.9146536856706987; gradient mag: 0.02367979849660973
 Iteration 9700 lower bound 0.9141989435974142; gradient mag:
 0.023074356669374615
 Iteration 9800 lower bound 0.9137370857384671; gradient mag: 0.02250548324331519
 Iteration 9900 lower bound 0.9132684936832562; gradient mag: 0.02196374194209392
 Iteration 10000 lower bound 0.9127936186808459; gradient mag:
 0.02144171378066927

```
[14]: params = {'step_size':1e-3,
               'leapfrog_steps':50,
               'total_samples':10000,
               'burn_in':.1,
               'thinning_factor':2,
               'position_init': nn.weights}

posterior_samples = HMCSampler(
    K=K,
    U=UNeuralNetwork,
    q_init=params['position_init'].squeeze(),
    num_samples=params['total_samples'],
    num_steps=params['leapfrog_steps'],
    epsilon=params['step_size'])
```

Number of Samples: 10000

Number of Steps per Sample: 50

Epsilon: 0.001

```
Sample 0: [ 1.76774537  0.62450409  0.46884693  2.29527592  1.83529666
-1.02316794
  1.9441516  -2.46328323  0.03844516  0.41228891  0.22700604  3.90464486
  5.3724653   0.12195183  0.44645939 -3.37082241]
Sample 1: [ 1.76234564  0.623429   0.45932326  2.37976769  1.81727557
-1.00990045
  1.93619426 -2.37587011  0.14817515  0.35372957  0.19812318  3.86507274
  5.44251393  0.06660382  0.46308364 -3.33726588]
Sample 2: [ 1.73164951  0.6176758   0.43789581  2.34821609  1.8502647
-1.04751033
  1.92211225 -2.3051554   0.23034276  0.45785476  0.16375922  3.90848979
  5.4688189   0.06950075  0.48676448 -3.31769661]
Sample 3: [ 1.71824037  0.60662301  0.43078134  2.36202303  1.94136491
-0.97363052
  1.88135249 -2.27833334  0.18320206  0.47107177  0.18099518  3.85406411
  5.43010734  0.06191167  0.4600778  -3.40657183]
Sample 4: [ 1.81195344  0.6020912   0.43607685  2.4038832   1.9815464
-0.9395318
  1.84094531 -2.24373382  0.11713266  0.49484202  0.18233691  3.87568318
  5.43129451 -0.00577002  0.42549574 -3.35916805]
Sample 5: [ 1.80981596  0.58317462  0.40571849  2.31895053  2.03251226
-0.98411591
  1.76266136 -2.18179135  0.17452859  0.46692624  0.14118556  3.84354679
  5.49401256 -0.00733454  0.44694511 -3.33998925]
Sample 6: [ 1.89044976  0.57525436  0.41051883  2.38245479  1.93280179
-0.93651085
  1.75552735 -2.14070406  0.17898912  0.53021805  0.13945662  3.77171056
  5.54127096 -0.00627217  0.37892416 -3.38992744]
```

Sample 7: [1.96363821e+00 5.70415730e-01 4.00406254e-01 2.41167815e+00
1.86478300e+00 -9.74869950e-01 1.78233996e+00 -2.10206428e+00
2.10214034e-01 4.67871927e-01 1.61659951e-01 3.80318983e+00
5.54446763e+00 -3.87983938e-03 3.46139498e-01 -3.53684035e+00]

Sample 8: [1.96461651 0.57699707 0.39773428 2.38029791 1.89095997
-1.01441863
1.7886163 -2.08787286 0.28782459 0.42092876 0.13436369 3.81764139
5.54601123 0.029542 0.34291788 -3.52681421]

Sample 9: [1.90164068 0.57810754 0.37927523 2.37452637 1.88971264
-0.9661981
1.79692456 -2.04548416 0.27860652 0.49598178 0.13372421 3.87999645
5.57261791 0.05394303 0.35109867 -3.46899964]

Sample 10: [1.89996293 0.58778245 0.38896187 2.34844111 1.88821434
-1.04060681
1.80172133 -1.99944546 0.28375182 0.52260965 0.09914931 3.78481516
5.55542482 0.12237858 0.35690391 -3.5394214]

Sample 11: [1.91089047 0.55526196 0.36525662 2.36644161 1.9917736
-1.02532532
1.75008309 -1.95864271 0.31518581 0.47675118 0.04020163 3.80730961
5.54551344 0.20611536 0.42031271 -3.55048106]

Sample 12: [1.91653859 0.54952065 0.37749029 2.37854163 1.99513753
-0.96659735
1.68161799 -1.96384356 0.32930357 0.42236664 0.03667768 3.77915419
5.55569219 0.22197645 0.3835248 -3.62912848]

Sample 13: [1.93684778 0.53750903 0.36363387 2.35063522 1.94058117
-0.96051282
1.71769242 -1.95672899 0.21910807 0.45186136 -0.04288967 3.74807314
5.48518437 0.24794308 0.33484787 -3.65652607]

Sample 14: [1.92466253 0.56174832 0.39577885 2.4108163 1.96030244
-0.94038927
1.782682 -2.02841598 0.18530351 0.43756098 0.03178821 3.66327436
5.4532807 0.27166705 0.40077947 -3.70110868]

Sample 15: [1.95605292 0.55775381 0.37583177 2.48146296 1.97041634
-1.00408508
1.78330117 -2.02282375 0.1384911 0.51515839 0.07493205 3.64741661
5.48336093 0.23223154 0.40832445 -3.68389003]

Sample 16: [1.99599664 0.5668114 0.39607004 2.3955068 1.9318005
-0.9415243
1.80121608 -2.01758559 0.11081588 0.54238132 0.03090927 3.65137807
5.33514694 0.23483458 0.41318796 -3.69721941]

Sample 17: [1.9653088 0.52975875 0.37324205 2.36549394 1.90348666
-1.05428639
1.72663005 -2.02689056 0.10667005 0.5366261 0.04580404 3.60133303
5.3272265 0.19617658 0.51320372 -3.68608257]

Sample 18: [1.97622413 0.55270251 0.39971382 2.38833079 1.84375202
-1.09864596
1.7015289 -2.01042939 0.12061898 0.50780986 0.11131728 3.67586033
5.32296469 0.28493378 0.50748674 -3.61528776]

Sample 19: [1.9128595 0.55925189 0.37365671 2.38987306 1.83312188
 -1.0537351
 1.80893206 -2.04236233 0.05306363 0.56275117 0.06344601 3.66001232
 5.337675 0.23121369 0.53268337 -3.5791639]
 Sample 20: [1.93852628 0.58603763 0.41090795 2.47794464 1.75667833
 -1.05724892
 1.83278051 -2.07976441 0.09494185 0.58014304 -0.06171672 3.69450305
 5.28794616 0.20601658 0.45186639 -3.55253829]
 Sample 21: [1.97345739 0.57464423 0.38593176 2.40289362 1.83786168
 -1.04689078
 1.84591367 -2.11957427 0.16423832 0.61169538 -0.02264804 3.69075259
 5.25970827 0.17687566 0.39552583 -3.52482114]
 Sample 22: [1.95667955 0.58950917 0.42512831 2.38286272 1.8263638
 -0.97833345
 1.82583646 -2.12096123 0.1416451 0.55333503 -0.09401366 3.66710608
 5.22120072 0.13386665 0.3283788 -3.44026776]
 Sample 23: [1.94962982 0.56764203 0.36410545 2.40119199 1.75642964
 -0.92916825
 1.8227575 -2.03368104 0.07338951 0.56205746 -0.04951814 3.65195298
 5.14507359 0.20756481 0.25863693 -3.49673944]
 Sample 24: [2.02776999 0.59712577 0.39859613 2.38805042 1.81917345
 -0.91435701
 1.7967449 -1.9632745 0.12839902 0.57034087 -0.04336245 3.63176981
 5.1091561 0.14379904 0.33507248 -3.42935436]
 Sample 25: [2.0144517 0.5661496 0.35304453 2.4335968 1.83117685
 -0.96365175
 1.80350369 -2.00517746 0.05836304 0.50194094 -0.07549568 3.62657641
 5.13031797 0.15218645 0.28403142 -3.45025045]
 Sample 26: [2.07658233 0.56198572 0.38387709 2.376136 1.82028517
 -0.97790894
 1.7505171 -1.86772678 0.04979795 0.49498834 -0.06107966 3.57136232
 5.09480299 0.09857218 0.24039486 -3.54447336]
 Sample 27: [1.99594486 0.55847549 0.35407278 2.30427944 1.89962331
 -0.95554895
 1.79078729 -2.0034612 0.02612525 0.53675087 -0.02386833 3.51844504
 5.08385529 0.14832197 0.2666739 -3.46523551]
 Sample 28: [2.03929221 0.57903264 0.40265079 2.29524212 1.88271225
 -0.86575848
 1.78288937 -1.99785239 0.01973432 0.55424268 -0.03328705 3.52742211
 5.09153362 0.1391298 0.23759937 -3.45560646]
 Sample 29: [1.93104243 0.55175587 0.35608322 2.3139679 1.85335817
 -0.92289574
 1.72199647 -1.97692418 0.09102978 0.53987498 -0.07975997 3.44676976
 5.0773805 0.13459033 0.2566558 -3.4735698]
 Sample 30: [1.92031385 0.54546863 0.39381509 2.36101538 1.79760335
 -0.95497458
 1.71150103 -1.9513487 0.07687972 0.46262986 -0.06218858 3.51900398
 5.0521016 0.14349339 0.29079067 -3.51995594]

Sample 31: [1.89069538 0.57337553 0.35253146 2.36734305 1.82544677
-0.9317558
1.8101755 -1.93750955 0.15178368 0.54355162 -0.07016692 3.51129089
5.04236786 0.14581089 0.25496398 -3.53294437]

Sample 32: [1.81561825 0.53974546 0.38053099 2.426534 1.76995501
-0.97865206
1.72175509 -1.90889516 0.11258137 0.46525998 -0.10838454 3.51485542
5.09066141 0.11260255 0.33177897 -3.51047962]

Sample 33: [1.87998499 0.55118904 0.34662113 2.33933367 1.69191667
-0.95225325
1.69424729 -1.90742568 0.0961749 0.48604316 -0.06120984 3.52775969
5.07038172 0.16706652 0.31436445 -3.51148362]

Sample 34: [1.94397326 0.53698922 0.38003635 2.31905229 1.79385641
-0.99956134
1.66465395 -1.91971171 0.09591348 0.43682695 -0.01345755 3.48249441
5.10529172 0.19698913 0.37394714 -3.47078739]

Sample 35: [1.89525712e+00 5.45297377e-01 3.40916100e-01 2.29612725e+00
1.79100468e+00 -9.89402581e-01 1.67450504e+00 -1.87225379e+00
1.12175149e-01 3.99261079e-01 7.54034856e-04 3.46356758e+00
5.09670400e+00 1.49413706e-01 4.11482087e-01 -3.54648859e+00]

Sample 36: [1.86284299 0.52790742 0.36946605 2.30269968 1.73958395
-0.99735332
1.70282927 -1.85526225 0.07368945 0.35367236 0.03382682 3.47689109
5.08381289 0.13965034 0.41410316 -3.57482238]

Sample 37: [1.72993648e+00 5.54095626e-01 3.25466290e-01 2.33995109e+00
1.81446373e+00 -1.04354800e+00 1.74865535e+00 -1.79739834e+00
7.24846227e-02 3.06653649e-01 4.59257624e-03 3.42908125e+00
5.12615679e+00 1.09731290e-01 3.13277084e-01 -3.59428102e+00]

Sample 38: [1.77865132 0.53986652 0.36678095 2.38800485 1.7939075
-1.01730551
1.7711713 -1.8349025 0.05318705 0.37643448 -0.02310984 3.45545747
5.08421427 0.06788849 0.3200603 -3.61387148]

Sample 39: [1.88490481 0.58551267 0.33907276 2.30016102 1.80982578
-1.06457544
1.80271546 -1.85803927 0.10759462 0.40435504 0.01059874 3.47510269
5.08661242 0.11102519 0.31126376 -3.56232342]

Sample 40: [1.91524564 0.55325904 0.36882216 2.32351628 1.82251614
-1.04182251
1.84646078 -1.85683193 0.06489322 0.47509072 -0.05289787 3.44162488
5.07310194 0.03865266 0.28181275 -3.52944653]

Sample 41: [1.96623493 0.60679772 0.34469079 2.35199175 1.80717474
-1.03488561
1.84905135 -1.89770397 0.02958818 0.53690117 -0.0678453 3.48095918
5.13359667 0.06320549 0.30482831 -3.43823739]

Sample 42: [1.99810395 0.58400624 0.37885623 2.32130816 1.72062639
-0.95132022
1.90588525 -1.90941894 -0.03930656 0.54420101 -0.09020924 3.42393013
5.15236215 0.09757057 0.29370416 -3.4728488]

Sample 43: [1.94078896 0.58743991 0.36028794 2.35750868 1.68501264
 -0.93770926
 1.88418769 -1.97445704 -0.13029807 0.47801908 -0.13039807 3.34103953
 5.0368991 0.10431041 0.37175383 -3.40635819]
 Sample 44: [1.96106286 0.56785796 0.39132236 2.38374453 1.59223169
 -0.98799876
 1.83668593 -1.98090842 -0.08855884 0.49934248 -0.23825793 3.32968819
 5.12400073 0.07742555 0.3032368 -3.39215767]
 Sample 45: [2.03507821 0.59822842 0.37177971 2.38221173 1.61989061
 -0.91718795
 1.88326527 -2.02353245 -0.13971224 0.61285966 -0.27154614 3.25909547
 5.08629482 0.13736079 0.34867032 -3.41423308]
 Sample 46: [2.1138576 0.56377184 0.40266533 2.39567491 1.70030621
 -0.84532529
 1.89181029 -2.02938276 -0.13953439 0.66620714 -0.30247487 3.19939242
 5.00605483 0.09443205 0.36895704 -3.42598045]
 Sample 47: [2.10959749 0.61811696 0.36704532 2.44005047 1.68501551
 -0.84965579
 1.95298138 -1.99411434 -0.24818932 0.77184718 -0.26138465 3.20562763
 4.99273996 0.11736477 0.47509585 -3.41608608]
 Sample 48: [2.07956938 0.58450585 0.37771806 2.5320601 1.7218412
 -0.84026679
 1.96048162 -1.90778592 -0.31815082 0.79095107 -0.2586142 3.26907229
 5.03211738 0.10515427 0.52584686 -3.55199312]
 Sample 49: [2.03801281 0.6057323 0.35636222 2.49714184 1.6982731
 -0.80521456
 2.04658849 -1.92855689 -0.24507461 0.91301116 -0.28184544 3.22275792
 4.96514486 0.13178892 0.5379744 -3.45538087]
 Sample 50: [1.99648794 0.59871861 0.39020594 2.50479617 1.66046777
 -0.80775608
 2.00439556 -1.97141613 -0.21915753 0.87744438 -0.15704793 3.26994563
 5.04580056 0.11758586 0.55369379 -3.53901917]
 Sample 51: [2.07896305 0.63599487 0.37656641 2.54922543 1.70183897
 -0.85044493
 2.07575316 -2.02039784 -0.16603951 0.90192905 -0.20051357 3.21591661
 4.97481199 0.04578442 0.59904276 -3.43605685]
 Sample 52: [1.94834996 0.60594243 0.37842949 2.48916379 1.69729599
 -0.79994758
 2.12015564 -1.9324801 -0.25796007 0.89945547 -0.24139191 3.18569199
 4.95940712 0.06541511 0.58702231 -3.44793061]
 Sample 53: [1.89413665 0.62730087 0.36593877 2.56662999 1.73245392
 -0.90193832
 2.06802346 -1.96416705 -0.25492411 0.94388568 -0.26561492 3.15126975
 4.96065426 0.09815752 0.63599984 -3.49575896]
 Sample 54: [1.8279508 0.58526588 0.36817085 2.55152363 1.79900539
 -0.88427705
 2.04195107 -1.87411403 -0.25553121 0.88045211 -0.2498624 3.14017173
 5.102217 0.10486305 0.58378956 -3.50446906]

Sample 55: [1.88179836 0.61877977 0.33900009 2.60177565 1.87436796
 -0.89496933
 2.03751237 -1.83532992 -0.28661424 0.92846151 -0.20114263 3.1225834
 5.0214169 0.11622743 0.56297476 -3.55728764]
 Sample 56: [1.84055341 0.61192764 0.35685521 2.57009238 1.82977521
 -0.89403581
 2.08107698 -1.82020637 -0.27825133 0.89455232 -0.19455461 3.11282102
 5.04037928 0.07619475 0.53024439 -3.49032843]
 Sample 57: [1.84632927 0.58998559 0.3393926 2.57108117 1.79475376
 -0.88008932
 2.03425559 -1.8370012 -0.23165874 0.85043512 -0.13403839 3.0523473
 5.0305591 0.0949488 0.55331214 -3.50371812]
 Sample 58: [1.85923695 0.61092269 0.37617368 2.59797466 1.83560737
 -0.82978685
 2.0632902 -1.91211095 -0.23150239 0.8099891 -0.09300743 3.05384229
 4.9074841 0.06000322 0.49528545 -3.53445909]
 Sample 59: [1.92165741 0.59380126 0.34384065 2.54913066 1.88582823
 -0.88050915
 2.10846418 -1.87984345 -0.29520582 0.83403552 -0.11785692 3.06054621
 4.89081663 0.08591315 0.5944869 -3.55469256]
 Sample 60: [1.88263572 0.61969422 0.36618602 2.57836428 1.82318633
 -0.9599241
 2.12868349 -1.82481753 -0.31106898 0.90235879 -0.07817883 3.0510361
 4.85100758 0.03927701 0.6472964 -3.54770913]
 Sample 61: [1.97828827 0.62547754 0.34214776 2.61976641 1.74767179
 -0.93530881
 2.13148265 -1.86054166 -0.29046551 0.97936037 -0.0552011 3.08421809
 4.81316055 0.04820283 0.60610996 -3.50819898]
 Sample 62: [2.03872881 0.6251666 0.37943513 2.58118664 1.65656617
 -0.91730788
 2.19611032 -1.90625809 -0.35704791 0.9990946 -0.06420162 3.07365868
 4.80609714 0.0297622 0.6700605 -3.4906834]
 Sample 63: [2.08068655 0.6345614 0.3495561 2.58313886 1.61776646
 -0.90469238
 2.08932206 -1.89401366 -0.3576813 0.96860854 -0.08574499 3.11885386
 4.83380544 0.05346848 0.65414801 -3.48120667]
 Sample 64: [2.15985915 0.61344401 0.36849054 2.53666988 1.61686162
 -0.89989061
 2.1107599 -1.84046506 -0.4490388 0.94077374 -0.12314406 3.18062375
 4.82215403 0.16192295 0.70512252 -3.48781107]
 Sample 65: [2.14369435 0.62454829 0.33706956 2.53425289 1.64747306
 -0.95882631
 2.08924691 -1.86348609 -0.53379759 0.93228852 -0.20941649 3.20003937
 4.85176893 0.12957681 0.8362583 -3.4401626]
 Sample 66: [2.13402596 0.64059578 0.36809918 2.54446463 1.69363626
 -0.90413567
 2.12985616 -1.83206454 -0.62082407 0.84171622 -0.21451892 3.17567524
 4.91239906 0.12300996 0.85744003 -3.38732828]

Sample 67: [2.10044072 0.61433078 0.34881153 2.54800692 1.75100038
 -0.92961065
 2.14794524 -1.92088849 -0.60685327 0.84898517 -0.19457316 3.18897669
 4.86374142 0.13509685 0.82690647 -3.43581351]
 Sample 68: [2.10289627 0.65822503 0.38340672 2.51811353 1.67729199
 -0.98055637
 2.07564169 -1.90626088 -0.59724289 0.76789398 -0.12427316 3.18976851
 4.81504334 0.06343046 0.82667927 -3.37670181]
 Sample 69: [2.08168145 0.59468189 0.35276763 2.47967643 1.68593915
 -1.03379101
 2.15437851 -1.94377255 -0.61528024 0.75162567 -0.06777244 3.16736158
 4.90503559 0.04845715 0.87110899 -3.45810354]
 Sample 70: [2.07564296 0.67317366 0.39859312 2.46863456 1.72884724
 -1.00985848
 2.09894123 -1.97124768 -0.61748951 0.7434803 -0.1242529 3.09561742
 4.92178138 0.0098108 0.87469548 -3.44404393]
 Sample 71: [2.14135904 0.62269214 0.35344179 2.44052511 1.80221671
 -1.01257175
 2.15380732 -1.94714805 -0.71136932 0.76485653 -0.09065877 3.11879819
 4.88818513 0.07355172 0.96819945 -3.43995616]
 Sample 72: [2.14512327 0.65651401 0.36951594 2.48576113 1.85465378
 -1.06060585
 2.1424815 -1.85148829 -0.75129844 0.89954491 -0.06003458 3.07666994
 5.0151756 0.05120081 0.88410821 -3.34817101]
 Sample 73: [2.15631188 0.61956799 0.31738811 2.4704611 1.76686534
 -1.0887887
 2.08488124 -1.82578612 -0.78483487 0.9083713 -0.06909143 3.08745838
 5.03515952 0.09536059 0.89487062 -3.27105171]
 Sample 74: [2.25760266 0.64986867 0.33536482 2.46255344 1.75707925
 -1.10076675
 2.06786933 -1.77429779 -0.81581929 0.89202775 0.00524938 3.02880215
 5.04422996 0.07738838 0.87821434 -3.24034916]
 Sample 75: [2.27731274 0.64130434 0.32656399 2.44610504 1.75598354
 -1.13137169
 2.1103537 -1.80451365 -0.80497309 0.93455307 0.01992115 3.00057028
 5.02830341 0.12033694 0.86279293 -3.26015116]
 Sample 76: [2.22774572 0.63197205 0.34772021 2.45793813 1.76826356
 -1.12576101
 2.09065814 -1.76023529 -0.88522466 0.91504343 0.01121094 3.0374962
 5.04814466 0.10935383 0.93148306 -3.29466666]
 Sample 77: [2.25392921 0.61790122 0.32141075 2.4131522 1.74556863
 -1.11457009
 2.0413135 -1.77763028 -0.94410537 0.87314276 0.06305988 3.0174999
 5.04629974 0.14744245 0.93448606 -3.22767486]
 Sample 78: [2.21758184 0.63471422 0.36243205 2.41219017 1.91347659
 -1.06420116
 2.02025537 -1.8878548 -0.94112547 0.83374751 0.08396642 3.01900959
 4.9995012 0.1003491 0.95266411 -3.2204188]

Sample 79: [2.27539876 0.6359306 0.34883646 2.39218734 1.88389661
 -1.03908883
 2.03469851 -1.86147679 -1.01925179 0.79399051 0.06777877 3.00380159
 5.05530179 0.04641208 0.88289869 -3.27231137]
 Sample 80: [2.21980239 0.59768653 0.34235795 2.37325901 1.90881464
 -1.10078216
 2.00270371 -1.89280756 -0.9786486 0.82346265 0.11563123 3.05102333
 5.03812405 0.12280644 0.87759804 -3.22885695]
 Sample 81: [2.2874717 0.62732366 0.38421139 2.46151587 1.87793946
 -0.99218402
 1.99213316 -1.98542128 -0.92824524 0.77379171 0.01335046 3.05017119
 5.0056028 0.19966472 0.92868836 -3.21930126]
 Sample 82: [2.30003048 0.61606094 0.38180629 2.39404767 1.83411514
 -1.01269154
 2.01114974 -2.03171757 -0.92719886 0.79082832 0.08150621 2.92226877
 5.00276521 0.13677039 0.98251151 -3.22167573]
 Sample 83: [2.31012438 0.62461278 0.40270774 2.4345794 1.90091602
 -0.99863172
 2.02001494 -2.08249331 -1.02024881 0.74744225 0.0497785 2.82242492
 5.01365687 0.1206681 0.96652805 -3.28282842]
 Sample 84: [2.2317848 0.59447928 0.40630722 2.45004201 1.88959073
 -1.08663904
 2.03078708 -2.14616778 -0.95406855 0.77813535 0.02855522 2.84449789
 5.01177118 0.1150103 1.04626364 -3.31208086]
 Sample 85: [2.1794407 0.59581811 0.41876876 2.58002563 1.92049054
 -1.09107314
 2.01734938 -2.16063548 -0.89822879 0.7470775 0.036227 2.75748773
 5.02449205 0.01974136 1.1091693 -3.26409628]
 Sample 86: [2.16530626 0.58231332 0.39386392 2.5971081 1.90460225
 -1.02136924
 1.92852482 -2.08865005 -0.93781363 0.71059091 0.10355071 2.76476205
 4.97560936 -0.00757825 1.0584154 -3.28239358]
 Sample 87: [2.2047874 0.55404888 0.39130146 2.56963889 1.82090955
 -0.93868074
 1.87710007 -2.02977259 -0.89254183 0.72689026 0.06195676 2.75852218
 4.94059195 0.00758124 1.0833028 -3.39082824]
 Sample 88: [2.22030924 0.58120036 0.38809067 2.60217558 1.78174844
 -0.96964293
 1.93375205 -2.04319799 -0.90977225 0.75387175 0.04028726 2.72156157
 4.87867675 0.04348633 1.09002501 -3.30990786]
 Sample 89: [2.17400665 0.59083441 0.40765823 2.59945136 1.77342399
 -0.89193691
 1.85538233 -2.11121959 -0.88482234 0.74421457 0.06033585 2.68738219
 4.82761729 0.02543129 1.11641444 -3.19371751]
 Sample 90: [2.08322322 0.57813799 0.39875131 2.6050729 1.73369424
 -0.78220863
 1.8713036 -2.0999044 -0.93071875 0.60533575 0.00979033 2.73661198
 4.86662867 0.06764451 1.09919582 -3.20734425]

Sample 91: [2.02648266 0.56877891 0.38468127 2.67682668 1.6447903
-0.87327877
1.8684318 -2.03999849 -0.91563042 0.54737939 -0.07269208 2.74827081
4.91428084 0.15917673 1.14409662 -3.1976451]

Sample 92: [1.98728982e+00 5.99106576e-01 3.97829081e-01 2.63539366e+00
1.68798844e+00 -9.51707056e-01 1.90296975e+00 -2.09371893e+00
-9.06738533e-01 6.47675306e-01 3.07852912e-03 2.80386895e+00
4.85076529e+00 1.56642920e-01 1.19122207e+00 -3.19294162e+00]

Sample 93: [1.9113733 0.61236866 0.39881552 2.67301896 1.68376958
-0.97156879
1.9483517 -2.08543077 -0.93932054 0.58026192 -0.03530638 2.79684966
4.94099686 0.12653519 1.23521934 -3.21294997]

Sample 94: [1.90914642 0.56107593 0.40794325 2.69857086 1.67510635
-1.06900461
1.94483404 -2.14591706 -0.89374555 0.55078451 -0.07148841 2.78881384
4.93079912 0.08398769 1.25076919 -3.29781653]

Sample 95: [2.00412977 0.60956915 0.41977481 2.6824514 1.6063491
-1.14498642
2.03075482 -2.19185042 -0.88621765 0.48422158 -0.07042577 2.79581543
4.92223144 0.0999509 1.19327401 -3.29841518]

Sample 96: [2.00840332 0.61759188 0.42642426 2.65471334 1.67656121
-1.06794876
2.12552067 -2.21811849 -1.03687975 0.48799548 -0.0344786 2.81601736
5.03198607 0.11415966 1.18526702 -3.42205615]

Sample 97: [1.92198145 0.60664489 0.41149201 2.73243762 1.76290553
-1.12040581
2.16766216 -2.13010516 -1.07844186 0.43091263 0.08720585 2.81060889
4.98628707 0.05154165 1.20294365 -3.44794947]

Sample 98: [1.92979705 0.64555341 0.40536161 2.69906945 1.7364103
-1.11433216
2.17408789 -2.09720512 -1.00074364 0.40684804 0.10331067 2.78735207
4.96908877 0.03690767 1.2566698 -3.42986355]

Sample 99: [1.97827051 0.6192913 0.38574233 2.70705363 1.75128611
-1.13018806
2.2475081 -2.01837642 -1.01982303 0.37956458 0.07406389 2.73167897
4.93047231 0.04643328 1.21871937 -3.37266782]

Sample 100: [1.97889998 0.64314552 0.37021458 2.67995479 1.78043608
-1.10265159
2.22988718 -1.93415528 -1.03280727 0.37027006 0.06034271 2.67656738
4.94639827 0.09668735 1.18780702 -3.41853619]

Sample 101: [2.04124487 0.63600297 0.39142733 2.62802596 1.81016047
-1.03438157
2.18773835 -2.05320357 -1.05883186 0.40242102 0.01535199 2.62415098
4.97492575 0.12868537 1.28416705 -3.2718193]

Sample 102: [2.03824635 0.6375074 0.3945967 2.63315536 1.84328112
-0.98300336
2.22523952 -2.06780884 -1.01554157 0.4084245 0.04872304 2.65027311
5.0534738 0.07886027 1.28417983 -3.32150828]

Sample 103: [1.99292644 0.64101745 0.38987826 2.61590432 1.91547201
-0.99717613
2.24093802 -2.05752101 -0.95295909 0.48743391 0.12676786 2.72806573
5.10361237 0.04847175 1.31089506 -3.28330446]
Sample 104: [2.02817996 0.63674276 0.40579663 2.57605774 1.80855345
-1.07654084
2.21971191 -2.13114906 -0.982062 0.62485036 0.07836247 2.78975519
5.1440871 0.09433966 1.22935371 -3.31121546]
Sample 105: [1.93332004 0.64892381 0.39750323 2.66326556 1.73227197
-1.02932566
2.27553757 -2.11347684 -1.00784404 0.6264136 0.12974531 2.83386964
5.06502015 0.07763921 1.15559412 -3.24532749]
Sample 106: [1.92681339 0.68621416 0.42631889 2.64976802 1.74791636
-1.09165454
2.25553489 -2.19332049 -1.03868189 0.55116121 0.06805087 2.88183496
5.04897951 0.05109174 1.23001335 -3.2834565]
Sample 107: [1.91853944 0.63556198 0.39168068 2.62168267 1.68119047
-1.12731295
2.21105714 -2.10083627 -1.03861528 0.61122781 0.00685873 2.89602726
5.08776245 0.03499048 1.15748413 -3.24521043]
Sample 108: [1.92733452 0.65881729 0.42780662 2.70114342 1.74914113
-1.02611449
2.24152065 -2.19066259 -1.00612217 0.62005538 -0.03222842 2.92524667
5.10604694 0.03011532 1.12821653 -3.2412561]
Sample 109: [1.9197144 0.66887209 0.40385064 2.79863766 1.70329498
-1.00239689
2.26649978 -2.18271727 -0.98449016 0.64537373 -0.02632064 2.90205806
5.14833127 -0.01101472 1.1144193 -3.2178226]
Sample 110: [1.94523774 0.68596449 0.43702653 2.7462194 1.70862661
-0.96525036
2.25902476 -2.21702096 -1.01916456 0.70609947 -0.06079625 2.84169835
5.10946915 0.05684811 1.12349395 -3.1912303]
Sample 111: [1.90517768 0.6599499 0.40921736 2.77921976 1.79578324
-1.001334
2.27629522 -2.2249193 -0.98838436 0.7105607 0.03246355 2.74785583
5.07855363 0.07496548 1.15206834 -3.19071752]
Sample 112: [1.98042931 0.66508774 0.44645707 2.7107554 1.8684637
-1.02600068
2.29687062 -2.24122437 -0.9829417 0.68185467 0.06135677 2.74392263
5.09210897 -0.01762378 1.20952181 -3.13208948]
Sample 113: [1.94773905 0.65918418 0.40279639 2.65532197 1.95290896
-1.06334927
2.25412112 -2.23344935 -0.93062174 0.7261681 0.05322309 2.85314692
5.12641268 -0.02511639 1.24399759 -3.18805454]
Sample 114: [1.94217684 0.67073161 0.45056607 2.58685494 1.89822227
-0.99640835
2.31025966 -2.26001787 -0.93921175 0.656226 0.04918795 2.90583724
5.19713676 -0.11910204 1.21003624 -3.22234818]

Sample 115: [1.92499361 0.6919236 0.40267294 2.58158634 1.96126685
 -0.94805096
 2.414546 -2.20521906 -1.02163806 0.68390463 0.02168415 2.89776119
 5.15423716 -0.14490725 1.28575479 -3.1939957]
 Sample 116: [1.92304027 0.73482298 0.43586529 2.48896117 2.01072568
 -1.01856045
 2.36428541 -2.22906842 -1.03683347 0.61268454 -0.00843736 2.85498292
 5.20453909 -0.07135909 1.24135116 -3.17251957]
 Sample 117: [1.98571365 0.66790166 0.41747805 2.44719686 2.04233435
 -0.99166058
 2.33570285 -2.26687896 -1.0814793 0.66118627 -0.04906174 2.90964577
 5.14710936 -0.06748509 1.36261138 -3.20922019]
 Sample 118: [1.98231347 0.72146391 0.43511485 2.48880344 2.00534031
 -0.97769572
 2.30865356 -2.18998893 -1.10674986 0.65798494 0.01420354 2.9613369
 5.02052364 -0.03404004 1.42501781 -3.22288538]
 Sample 119: [2.00924307 0.67665357 0.37731476 2.47687984 2.00210337
 -0.99954891
 2.35561016 -2.08375441 -1.07973004 0.69769808 -0.02911655 3.03450924
 4.97140067 -0.04311625 1.48226752 -3.27674319]
 Sample 120: [2.05650431e+00 6.81003613e-01 3.94982569e-01 2.44849854e+00
 2.03356108e+00 -9.74979989e-01 2.32903226e+00 -2.00158942e+00
 -1.12303176e+00 6.71132036e-01 2.81620121e-03 3.07060000e+00
 5.01995020e+00 -1.28239566e-02 1.38501701e+00 -3.25910564e+00]
 Sample 121: [2.1105315 0.67794878 0.35212531 2.3971496 1.985489
 -1.03333358
 2.22178477 -1.91001254 -1.02230714 0.72940517 -0.06478468 2.99909493
 5.04540247 0.02041264 1.45820661 -3.30643613]
 Sample 122: [2.08795911e+00 6.51037938e-01 3.49139991e-01 2.46434004e+00
 1.95171210e+00 -1.05449947e+00 2.29347104e+00 -1.87419403e+00
 -9.48843915e-01 6.13967848e-01 -2.56567545e-03 2.98785579e+00
 5.04156628e+00 2.09580094e-02 1.45480092e+00 -3.32555992e+00]
 Sample 123: [2.03120058 0.68091693 0.32793443 2.46482219 1.92436955
 -1.05187965
 2.21954951 -1.74717025 -0.99843343 0.66845734 -0.12566426 3.02408988
 5.03527438 -0.04252243 1.47047208 -3.35965675]
 Sample 124: [1.99283392 0.63517396 0.33234652 2.41004386 1.93887286
 -1.15826347
 2.24643162 -1.77399674 -1.00221299 0.60458984 -0.17605107 3.03558107
 5.16331134 -0.0507107 1.51146178 -3.40897738]
 Sample 125: [2.00291143 0.65447624 0.31807517 2.35259288 1.97901756
 -1.16977049
 2.29660462 -1.7649797 -1.07503053 0.5854213 -0.17205336 3.03032506
 5.16563835 -0.0619493 1.56252041 -3.44423257]
 Sample 126: [2.01400208 0.64872498 0.36854483 2.32101408 2.02281011
 -1.22145954
 2.28679395 -1.84175653 -1.12194024 0.57336016 -0.23439166 3.10026284
 5.171613 -0.19408172 1.57438112 -3.48203896]

Sample 127: [1.91116795 0.68717522 0.31265825 2.35834465 2.07802843
 -1.24669736
 2.28024213 -1.81221596 -1.1869503 0.58969046 -0.16068925 3.18355535
 5.29656427 -0.25341338 1.50745449 -3.44809341]
 Sample 128: [1.93920441 0.63971775 0.35599749 2.37425621 2.02464824
 -1.23880457
 2.3336717 -1.8003594 -1.20548882 0.55908888 -0.0961881 3.13086776
 5.28399746 -0.27051813 1.43753775 -3.40748184]
 Sample 129: [1.99572433 0.70740284 0.32272463 2.41068655 2.02185579
 -1.1800961
 2.40630206 -1.77985043 -1.14962601 0.54095721 -0.16514131 3.18126526
 5.33281393 -0.24779863 1.50702684 -3.41044798]
 Sample 130: [1.94688715 0.66694192 0.33819911 2.43004025 2.0582463
 -1.19841349
 2.36661282 -1.76995472 -1.14534472 0.55355101 -0.17457359 3.1494275
 5.37769556 -0.26043868 1.49228415 -3.41773657]
 Sample 131: [1.96789443 0.69558266 0.32046099 2.36285041 2.04682049
 -1.22689319
 2.36559366 -1.69560745 -1.16317611 0.60500099 -0.30380953 3.12028897
 5.48442609 -0.3030697 1.43810126 -3.42664543]
 Sample 132: [1.95870911 0.6403743 0.31396962 2.29913237 1.97745697
 -1.17945588
 2.34405746 -1.75410709 -1.1625011 0.59501931 -0.27366461 3.14597381
 5.48748066 -0.27643546 1.49459709 -3.41602983]
 Sample 133: [1.88785059 0.7154056 0.30611285 2.37391659 2.00317119
 -1.13531376
 2.38630279 -1.73829903 -1.17381911 0.54239752 -0.28595604 3.07563162
 5.48651522 -0.31640669 1.39827863 -3.46537016]
 Sample 134: [1.8839111 0.68317894 0.30229185 2.3239918 2.07147707
 -1.08627831
 2.41123484 -1.72075473 -1.22372022 0.50013281 -0.25451498 3.12549125
 5.53009636 -0.31481514 1.45024392 -3.47308386]
 Sample 135: [1.88564637 0.66554582 0.30301463 2.33865136 2.02256894
 -1.11947498
 2.41486858 -1.69820121 -1.25393922 0.4241272 -0.31749603 3.15398078
 5.49751568 -0.34151536 1.51217814 -3.49224539]
 Sample 136: [2.01125571 0.69186738 0.28893728 2.32194578 1.97947918
 -1.09413018
 2.26783059 -1.69115059 -1.25116356 0.36345065 -0.35031218 3.15838306
 5.45088205 -0.29457148 1.48322661 -3.51892318]
 Sample 137: [2.0214004 0.60628089 0.31999393 2.35092054 1.99179065
 -1.25753202
 2.22373225 -1.78954711 -1.15586115 0.40343464 -0.41974867 3.18432099
 5.46350371 -0.2662251 1.45218607 -3.49171176]
 Sample 138: [2.10054145 0.67053132 0.35620316 2.39410071 2.04561679
 -1.34386921
 2.10008257 -1.75258934 -1.17874335 0.35481191 -0.36095682 3.09013916
 5.47960497 -0.33162079 1.42354703 -3.44288705]

Sample 139: [2.14138493 0.60773183 0.32228194 2.35077564 2.04535153
 -1.39041078
 2.08370363 -1.70978166 -1.14354258 0.40225218 -0.3929749 3.14451036
 5.50049413 -0.40742361 1.41696541 -3.37827867]
 Sample 140: [2.1222433 0.66223803 0.28251705 2.38617093 1.95363113
 -1.44409577
 2.03637114 -1.64522622 -1.1805364 0.36961534 -0.4932425 3.18585592
 5.42850216 -0.42511264 1.35616556 -3.36283461]
 Sample 141: [2.12414764 0.61189388 0.27382919 2.33009702 2.03562168
 -1.54307841
 2.11199053 -1.62513697 -1.21183812 0.31910156 -0.57434278 3.25340836
 5.32746889 -0.34756774 1.36937666 -3.34195324]
 Sample 142: [2.16227695 0.65867238 0.2619181 2.27854666 2.06508636
 -1.60520385
 2.15697333 -1.5509732 -1.19624926 0.26261306 -0.53904044 3.2973373
 5.42826796 -0.32294144 1.47326136 -3.31873395]
 Sample 143: [2.11457251 0.65064361 0.23615552 2.22033065 2.09347913
 -1.59293959
 2.21194482 -1.51928261 -1.20038729 0.29784877 -0.5281321 3.24837041
 5.44588485 -0.35268815 1.4412846 -3.35722512]
 Sample 144: [2.07092427 0.65760275 0.23925599 2.19762209 2.11925613
 -1.59339919
 2.17509768 -1.50273851 -1.14164348 0.21718596 -0.47713637 3.26069051
 5.38201026 -0.38426028 1.51319777 -3.32496316]
 Sample 145: [2.09012405 0.63665557 0.23274135 2.27967109 2.1131004
 -1.65299789
 2.12188188 -1.47845708 -1.13584667 0.24190968 -0.51255914 3.20713144
 5.31566013 -0.34295993 1.54695846 -3.29418181]
 Sample 146: [2.04721831 0.62807929 0.23822385 2.23226956 2.16760593
 -1.66437398
 2.0944014 -1.41651332 -1.09696069 0.29026285 -0.57719381 3.24733872
 5.27861701 -0.43240492 1.57214771 -3.30403917]
 Sample 147: [2.02371554 0.62980219 0.23060288 2.23438316 2.14117624
 -1.63477676
 2.05399546 -1.37936704 -1.13324308 0.3430043 -0.55594378 3.19372473
 5.19668643 -0.38811373 1.54692652 -3.32702683]
 Sample 148: [2.04123147 0.62228641 0.23141738 2.16840706 2.15574752
 -1.62062606
 2.080382 -1.40889088 -1.08140744 0.37923609 -0.57666754 3.11862478
 5.20243433 -0.4360283 1.50738348 -3.32491389]
 Sample 149: [2.03197968 0.63455533 0.23742024 2.21975751 2.13194199
 -1.61565575
 2.1670438 -1.43590849 -1.04474186 0.4339721 -0.54027035 3.14958417
 5.15567719 -0.4211155 1.53699732 -3.34998845]
 Sample 150: [1.94636641 0.63111479 0.24580516 2.20062596 2.0709557
 -1.67533018
 2.16572512 -1.43589631 -0.9842606 0.42511566 -0.59263984 3.07506272
 5.18705639 -0.37955461 1.58153567 -3.39008188]

Sample 151: [1.94632223 0.64101201 0.23965354 2.15196799 2.10929884
 -1.65896236
 2.18561575 -1.42735378 -0.95510592 0.439583 -0.58372062 3.00317875
 5.13672414 -0.39399292 1.65256081 -3.35776339]
 Sample 152: [2.01696448 0.62966617 0.24804034 2.14998594 2.11560459
 -1.68205686
 2.18026834 -1.47838127 -0.97603844 0.47244276 -0.6537278 3.01220419
 5.18573586 -0.41573934 1.727271 -3.35913818]
 Sample 153: [1.911055 0.66562859 0.27539738 2.08274519 2.18320466
 -1.78236983
 2.18145677 -1.47375774 -0.97273888 0.33690473 -0.67867801 2.9858785
 5.19970384 -0.40979638 1.76514738 -3.37043397]
 Sample 154: [2.00212481 0.61685904 0.21661856 2.08254609 2.17686973
 -1.76373872
 2.24770621 -1.39878992 -0.96447707 0.36073229 -0.6583717 3.07924033
 5.16555873 -0.41525465 1.72681414 -3.36543993]
 Sample 155: [2.08874818 0.72315825 0.27731375 2.11546926 2.17170627
 -1.78043221
 2.30100586 -1.48613831 -0.99667536 0.32244216 -0.71649452 2.99922294
 5.1071759 -0.42365086 1.73071283 -3.37557634]
 Sample 156: [2.08433626 0.66584242 0.24969384 2.08016825 2.21820024
 -1.75841423
 2.36676854 -1.47699944 -1.06144396 0.32249281 -0.68829942 2.91283165
 5.22080883 -0.42443179 1.73377393 -3.41033647]
 Sample 157: [2.03701998 0.7112623 0.25844369 2.08748167 2.13820194
 -1.69559692
 2.46867947 -1.50333499 -1.06211946 0.37826912 -0.65569474 2.92467635
 5.18952186 -0.34310581 1.75137517 -3.4125077]
 Sample 158: [1.94603335 0.6915069 0.28063768 2.02382264 2.14610686
 -1.59908657
 2.55493532 -1.59935777 -1.01692226 0.38900981 -0.67200089 2.90572625
 5.14278462 -0.39664643 1.73689318 -3.38247511]
 Sample 159: [1.92660881 0.74206805 0.28662723 2.06502909 2.04857387
 -1.6537467
 2.67300007 -1.61552998 -1.00613285 0.33048783 -0.66011798 2.85706467
 5.10871364 -0.41793178 1.68166977 -3.37319073]
 Sample 160: [1.86273507 0.77939448 0.29688498 2.05791706 1.95587497
 -1.78203802
 2.70778339 -1.65000921 -0.98543555 0.37186854 -0.50832797 2.87675075
 5.11304945 -0.3122043 1.69354819 -3.40813475]
 Sample 161: [1.83372039 0.71010647 0.29714419 2.00782848 2.03127193
 -1.79991836
 2.71654919 -1.62978339 -1.0975638 0.41092047 -0.56372213 2.97353053
 5.122505 -0.28177569 1.64368364 -3.48758392]
 Sample 162: [1.82606492 0.74743864 0.31750584 1.9887675 2.01277537
 -1.93221272
 2.62442917 -1.6438078 -1.07159658 0.47600031 -0.62813655 3.03491488
 5.08210877 -0.18762247 1.65227829 -3.43449613]

Sample 163: [1.81441907 0.70542423 0.27326687 1.95910604 2.02213058
 -1.94499063
 2.66886162 -1.60887971 -0.98684523 0.44385666 -0.64848419 3.00005434
 5.07622225 -0.16998299 1.65698644 -3.41485393]
 Sample 164: [1.84397123 0.74576962 0.30707764 1.97245428 2.01862867
 -1.86362009
 2.66654208 -1.53916279 -0.98327796 0.4234803 -0.62666 2.93440367
 5.12590424 -0.11397493 1.6982682 -3.42848705]
 Sample 165: [1.8319907 0.76036089 0.29201897 1.97318588 2.01462583
 -1.83776196
 2.66500951 -1.56308601 -1.00302093 0.43764695 -0.65097026 2.90122178
 5.04530358 -0.00542649 1.63764822 -3.42982121]
 Sample 166: [1.89759057 0.77117193 0.27535038 2.00909127 1.96206675
 -1.7518876
 2.7988924 -1.58010017 -1.02692325 0.46794713 -0.64536679 2.92614589
 5.03042956 0.10326543 1.64313743 -3.40794355]
 Sample 167: [1.99317606 0.80514177 0.30306957 2.0177897 1.9875225
 -1.78602662
 2.82826294 -1.58462123 -0.98671494 0.51529686 -0.60884651 2.90850929
 4.98241412 0.16763659 1.54475331 -3.40344622]
 Sample 168: [2.02258476 0.76649283 0.30298467 2.04182029 1.93423832
 -1.78455261
 2.8089794 -1.57373707 -0.90785996 0.54642826 -0.67334826 2.95548285
 5.01381884 0.22393886 1.53493305 -3.38827186]
 Sample 169: [2.14343436 0.73544257 0.27606754 2.06096591 1.91305489
 -1.65259852
 2.72599213 -1.61093582 -0.8663442 0.62838793 -0.66611238 3.01562996
 5.05851482 0.22479762 1.52686375 -3.45576691]
 Sample 170: [2.15036962 0.74519914 0.33037466 2.04632167 1.90591657
 -1.55850486
 2.77717696 -1.60421328 -0.87266913 0.62742225 -0.71826039 3.04428274
 5.05128341 0.15487015 1.54190916 -3.5191796]
 Sample 171: [2.19970118 0.74247479 0.27221237 2.10371458 1.93974899
 -1.55617462
 2.82568412 -1.57886079 -0.81772521 0.5348514 -0.65242229 2.95047254
 5.01424142 0.19466891 1.56020906 -3.53075141]
 Sample 172: [2.14077385 0.76183203 0.30613746 2.09387244 1.95554768
 -1.59837281
 2.82021984 -1.53374822 -0.85593391 0.48919175 -0.57251044 3.01411026
 4.96232289 0.11812497 1.52725852 -3.49192215]
 Sample 173: [2.09803832 0.78078594 0.25454414 2.12114603 1.89858606
 -1.6073753
 2.82751182 -1.48310678 -0.8751058 0.40719072 -0.63725893 2.97800268
 4.92877489 0.16119926 1.56282773 -3.48976205]
 Sample 174: [2.10928805 0.74733953 0.30476193 2.03634959 1.9151763
 -1.55825978
 2.80305396 -1.52405972 -0.83635895 0.38733651 -0.68364273 3.00900077
 4.91820749 0.16774337 1.47787141 -3.3781276]

Sample 175: [2.12168405 0.82852797 0.26533946 2.0203332 1.90847108
 -1.58986994
 2.80757113 -1.55712528 -0.82148207 0.4000611 -0.63640081 2.94246128
 4.92470521 0.08772836 1.49554962 -3.40078642]
 Sample 176: [2.15968848 0.76397347 0.29136238 2.00611764 1.95559495
 -1.60805111
 2.87802602 -1.48059119 -0.78169455 0.36646821 -0.66486247 2.95914672
 4.88707491 0.06591739 1.55857676 -3.40569884]
 Sample 177: [2.08637258 0.83084404 0.27104103 1.99215231 1.95096268
 -1.6261582
 2.87883673 -1.51083959 -0.70381514 0.34810733 -0.5760264 2.94945569
 4.91259255 0.08587541 1.53798348 -3.42902549]
 Sample 178: [2.05983337 0.82791826 0.29631136 1.928814 1.98005538
 -1.54695441
 2.93967418 -1.47667625 -0.72307628 0.31014328 -0.56028243 3.02357072
 4.84400378 0.0262043 1.53461914 -3.47158834]
 Sample 179: [2.02378566e+00 7.65910520e-01 2.61554027e-01 1.89735150e+00
 2.01097337e+00 -1.53424338e+00 2.90559837e+00 -1.46922706e+00
 -6.83034388e-01 3.04934684e-01 -5.22903799e-01 2.94980687e+00
 4.81952528e+00 -3.95692638e-03 1.54898826e+00 -3.49805837e+00]
 Sample 180: [1.95574370e+00 7.75100214e-01 3.02646563e-01 1.98465690e+00
 2.09352260e+00 -1.54714267e+00 2.92030335e+00 -1.51177171e+00
 -7.39059603e-01 3.31908883e-01 -5.36234017e-01 2.99448672e+00
 4.79812322e+00 4.62205261e-03 1.58032957e+00 -3.55152006e+00]
 Sample 181: [2.03601297 0.77962035 0.25163668 2.02928849 2.09730309
 -1.5247588
 2.94966161 -1.41132179 -0.78471337 0.3978597 -0.60889858 3.00819532
 4.76282543 -0.02339007 1.44382435 -3.57316232]
 Sample 182: [1.9861119 0.82018434 0.26563286 1.98760552 2.08309127
 -1.54898977
 2.9034048 -1.33522491 -0.90843979 0.36331268 -0.61785886 3.04511596
 4.70467254 -0.03162973 1.42026155 -3.54571277]
 Sample 183: [1.96884977 0.7822362 0.22985651 2.0261212 2.0625647
 -1.55056603
 2.94456501 -1.30475871 -0.94713089 0.40653039 -0.68388171 3.08494436
 4.69950752 0.01484149 1.51105965 -3.48512436]
 Sample 184: [1.8593287 0.77269562 0.27162444 2.07760463 2.11640097
 -1.50634798
 2.95500107 -1.36189074 -0.96908565 0.32475083 -0.56814936 3.04328876
 4.71575171 0.02739725 1.57518856 -3.52668754]
 Sample 185: [1.80339224 0.7746222 0.24758113 2.07700629 2.05354176
 -1.49458167
 2.91777685 -1.38283753 -0.99102291 0.37670179 -0.5234438 3.03734417
 4.72593019 0.06994868 1.4776806 -3.5201644]
 Sample 186: [1.80257258e+00 7.67209084e-01 2.65354209e-01 2.13763181e+00
 2.07360397e+00 -1.44839342e+00 2.90990495e+00 -1.32394159e+00
 -9.92198100e-01 3.64618987e-01 -4.67212027e-01 3.11953540e+00
 4.78523591e+00 6.18030196e-04 1.47328886e+00 -3.44175868e+00]

Sample 187: [1.87385392e+00 8.27404326e-01 2.41495747e-01 2.12148723e+00
 2.13412142e+00 -1.33790134e+00 2.87901345e+00 -1.33538036e+00
 -9.92740150e-01 3.94173435e-01 -4.21382202e-01 3.20457796e+00
 4.77819579e+00 4.48403181e-03 1.43090756e+00 -3.49433294e+00]
 Sample 188: [1.86697313 0.81937133 0.2479136 2.1000366 2.0753217
 -1.26093274
 2.94069424 -1.31727608 -1.02173097 0.42281011 -0.43063239 3.20293504
 4.77161959 0.06166473 1.46413217 -3.4660714]
 Sample 189: [1.89208461 0.79156108 0.25358769 2.14451262 2.12457989
 -1.35194184
 2.96742843 -1.31083174 -1.03625675 0.39089975 -0.42404541 3.2492482
 4.74884411 0.05885256 1.57388942 -3.4480658]
 Sample 190: [1.89226631 0.82055046 0.23592822 2.28265746 1.99409557
 -1.25682004
 3.06195471 -1.30227803 -0.94784658 0.35747182 -0.47767048 3.13547737
 4.70030609 0.11652487 1.56680003 -3.45523434]
 Sample 191: [1.92151647 0.80864069 0.25512471 2.30395677 1.92423196
 -1.25775978
 3.02788309 -1.26827956 -0.946044 0.36430937 -0.42791028 3.22066684
 4.76269396 0.12008011 1.53290411 -3.38469611]
 Sample 192: [1.83363877 0.87982646 0.2342497 2.25756449 1.80318566
 -1.26439232
 3.08737383 -1.32725258 -0.87829006 0.41414363 -0.3893339 3.27222476
 4.79449714 0.15177971 1.50303168 -3.3793265]
 Sample 193: [1.82115345 0.84019184 0.26209866 2.2780138 1.82694282
 -1.28379675
 3.12249308 -1.30576961 -0.80767123 0.43197805 -0.43770435 3.20229941
 4.8287936 0.08114554 1.44187928 -3.44705261]
 Sample 194: [1.83164521 0.81974061 0.23027306 2.28608696 1.82803178
 -1.32488944
 3.08882244 -1.28250628 -0.69396808 0.42126434 -0.52851586 3.14128675
 4.7252988 0.11337152 1.43067642 -3.48073872]
 Sample 195: [1.79107663 0.80720942 0.26357875 2.26945273 1.88114122
 -1.32163425
 3.16439147 -1.33415601 -0.73424364 0.39990269 -0.59128269 3.12534655
 4.71982499 0.16888339 1.39461539 -3.57068754]
 Sample 196: [1.72063979 0.87259325 0.24775328 2.17815216 1.89596151
 -1.23224829
 3.17081627 -1.36536665 -0.66875061 0.46982357 -0.59894823 3.11659515
 4.69287871 0.2246004 1.3980631 -3.62312649]
 Sample 197: [1.70216916 0.78927337 0.27871468 2.22875615 1.8412036
 -1.20650238
 3.16078533 -1.38323887 -0.66422095 0.41691219 -0.5421925 3.23080471
 4.60743109 0.20994275 1.27539772 -3.71505333]
 Sample 198: [1.67201711 0.83712149 0.26724737 2.1968866 1.76856816
 -1.167179
 3.16315331 -1.4108813 -0.69410489 0.37478857 -0.60760069 3.29358068
 4.61797044 0.2531223 1.17652373 -3.72346935]

Sample 199: [1.63882565 0.79471093 0.28126046 2.22913065 1.68474687
 -1.16805405
 3.17265373 -1.4385706 -0.67192303 0.36216616 -0.63127555 3.3972639
 4.63750223 0.2512464 1.12110696 -3.78039608]
 Sample 200: [1.64299654 0.8464309 0.25705375 2.22009147 1.79447973
 -1.10787147
 3.11220807 -1.36623971 -0.6673848 0.43263126 -0.58531011 3.44349308
 4.64730261 0.22881101 1.15686328 -3.80198853]
 Sample 201: [1.54177935 0.81740032 0.28001044 2.31873201 1.71988834
 -1.08097558
 3.19906617 -1.43527084 -0.64008803 0.51801199 -0.60903667 3.49232299
 4.65088775 0.1980914 1.30347849 -3.82481467]
 Sample 202: [1.50000137 0.8034673 0.2981074 2.27642608 1.71688161
 -1.03662923
 3.1669838 -1.50618279 -0.65541872 0.51646371 -0.62263614 3.4032739
 4.65546423 0.18922772 1.27983889 -3.78703011]
 Sample 203: [1.5216039 0.8423815 0.25523906 2.27534081 1.64985412
 -1.08437942
 3.19351276 -1.49157717 -0.62823027 0.5118305 -0.62908273 3.36383171
 4.7445324 0.14804538 1.33585227 -3.75506163]
 Sample 204: [1.46807614 0.82318783 0.30585309 2.21280095 1.67704132
 -1.08941845
 3.1172266 -1.42131111 -0.62162186 0.53157686 -0.56643663 3.33230502
 4.88948865 0.16274577 1.30520289 -3.71585175]
 Sample 205: [1.43843221 0.79122533 0.23592441 2.1992507 1.64792757
 -1.06335342
 3.08920001 -1.42453289 -0.68394292 0.51683769 -0.6126514 3.38562677
 4.84235977 0.20943895 1.3329987 -3.67284215]
 Sample 206: [1.46492331 0.82521661 0.29690101 2.16836868 1.73368394
 -1.13488778
 3.04275438 -1.38080122 -0.7597924 0.4824531 -0.74474701 3.39507571
 4.82854035 0.20759927 1.37001447 -3.73730611]
 Sample 207: [1.45421288 0.77070146 0.2433521 2.1646312 1.66439705
 -1.09206698
 3.04525985 -1.40499466 -0.70034662 0.55180402 -0.76095488 3.36949227
 4.84980198 0.15671071 1.33907054 -3.82416502]
 Sample 208: [1.38000646 0.80280322 0.26296872 2.19039453 1.69153695
 -1.0903421
 3.05854914 -1.26512852 -0.73934961 0.50918947 -0.75025324 3.28089832
 4.86156969 0.12241597 1.29398315 -3.78798122]
 Sample 209: [1.39916299 0.79631426 0.24279258 2.19385578 1.68293439
 -1.20498452
 2.98504049 -1.38094611 -0.66094631 0.51312757 -0.68298243 3.30658109
 4.86353694 0.19834307 1.26060439 -3.81632406]
 Sample 210: [1.54114386 0.78567288 0.27878303 2.13851532 1.70796922
 -1.13188704
 2.98785455 -1.38618738 -0.63236511 0.53440337 -0.64893859 3.27493348
 4.80142884 0.21238979 1.34510704 -3.84534783]

Sample 211: [1.53297601 0.75181182 0.25848954 2.17563263 1.64209052
 -1.10210564
 2.97198563 -1.3741966 -0.61571916 0.60676192 -0.55510872 3.2481825
 4.79337022 0.24481231 1.37491023 -3.83016918]
 Sample 212: [1.61715908 0.75917068 0.25960837 2.20627777 1.59367067
 -1.15488336
 2.93364682 -1.31230113 -0.59446703 0.68988991 -0.49621168 3.23059482
 4.76779799 0.20435029 1.35365078 -3.8215028]
 Sample 213: [1.54825469 0.76082231 0.23942974 2.18987187 1.65131963
 -1.1970843
 2.92204481 -1.29279596 -0.62237011 0.7455185 -0.58689477 3.22796315
 4.74565656 0.15645779 1.38195677 -3.82500384]
 Sample 214: [1.51475059 0.73674033 0.26663026 2.18470317 1.70158757
 -1.27095158
 2.93237046 -1.33005025 -0.56408886 0.77050667 -0.64251919 3.27014278
 4.71389646 0.24651772 1.34323973 -3.88375672]
 Sample 215: [1.53098341 0.83439299 0.22953044 2.00332826 1.79426474
 -1.26499936
 2.99854712 -1.33501694 -0.61847359 0.76328895 -0.63208641 3.32385627
 4.7263464 0.32671698 1.22135753 -3.85339774]
 Sample 216: [1.52931277 0.79521067 0.27288577 1.89863693 1.8740395
 -1.22567891
 3.07221739 -1.25566244 -0.59568521 0.84604339 -0.64324468 3.41143393
 4.79443407 0.25980287 1.19169202 -3.74746931]
 Sample 217: [1.54588369 0.79229645 0.19736345 1.91414466 1.82894486
 -1.17848062
 3.05623206 -1.24139783 -0.62749649 0.857377 -0.58632924 3.34811367
 4.75068883 0.19732336 1.27854661 -3.76094503]
 Sample 218: [1.5373212 0.83358927 0.27939915 1.9386172 1.83382089
 -1.2650037
 2.97808976 -1.29859533 -0.60860472 0.88777171 -0.51588918 3.2399485
 4.76650817 0.10900743 1.32233235 -3.77460106]
 Sample 219: [1.57073233 0.74330267 0.21973636 1.91162545 1.72892686
 -1.30733609
 2.9918087 -1.27688551 -0.64714758 0.89659482 -0.53077101 3.22029297
 4.84112201 0.05879916 1.27190286 -3.76392778]
 Sample 220: [1.56006834 0.81563949 0.23870241 1.95786328 1.63029318
 -1.31417538
 3.03263205 -1.15492333 -0.62686416 0.88579344 -0.57165766 3.24332312
 4.8578593 0.03168479 1.3107297 -3.72946659]
 Sample 221: [1.57377895 0.78309033 0.19967966 1.99144248 1.5856781
 -1.36288476
 3.05520839 -1.17119825 -0.62007467 0.87067187 -0.53352881 3.25638614
 4.93659513 -0.0200666 1.36630397 -3.77050707]
 Sample 222: [1.62862578 0.79716218 0.24478027 1.98093837 1.60908558
 -1.35863801
 3.01091752 -1.19830191 -0.60667339 0.76916797 -0.62019407 3.33195848
 4.96268533 0.03311332 1.33113111 -3.81871146]

Sample 223: [1.66334912 0.77455459 0.21836609 2.00417244 1.55990957
 -1.35420029
 2.9961076 -1.26866731 -0.550782 0.81772423 -0.58987736 3.3687114
 4.98595027 -0.06978811 1.33894925 -3.7279619]
 Sample 224: [1.68448219 0.81819961 0.24890879 2.04861688 1.56049931
 -1.34787394
 2.98153287 -1.22697471 -0.54496106 0.82967869 -0.61289753 3.38060322
 4.97610673 0.01259027 1.34710086 -3.77838334]
 Sample 225: [1.69844763 0.79609277 0.21936593 2.05560789 1.5556048
 -1.32019459
 3.00638323 -1.25783243 -0.66098109 0.77866722 -0.6679012 3.39537674
 4.99026092 0.01695642 1.40822528 -3.68444016]
 Sample 226: [1.70466173 0.79099838 0.23314775 2.02982442 1.63364892
 -1.37875434
 3.01254046 -1.17561187 -0.66735139 0.7770383 -0.67430519 3.35669522
 5.01779558 0.04878863 1.41756208 -3.65874029]
 Sample 227: [1.78314636 0.81816256 0.21599692 2.0159748 1.53853179
 -1.40603983
 3.00649657 -1.19728577 -0.61231959 0.76791953 -0.61554936 3.31545084
 5.0151681 0.07296592 1.42289269 -3.68477347]
 Sample 228: [1.77549748e+00 8.06012975e-01 2.45451974e-01 1.97067877e+00
 1.53043165e+00 -1.38882097e+00 3.02204107e+00 -1.21569162e+00
 -6.59642605e-01 7.87166764e-01 -6.51591789e-01 3.25020648e+00
 4.99450573e+00 8.80879732e-04 1.34119090e+00 -3.62476828e+00]
 Sample 229: [1.84709965 0.80360451 0.19802242 1.90815564 1.61250741
 -1.41640686
 2.98428795 -1.21730813 -0.70798416 0.70346827 -0.6570787 3.2152571
 4.98918271 -0.00647652 1.4487295 -3.57961318]
 Sample 230: [1.815681 0.80405069 0.23970705 1.95257302 1.65194606
 -1.33604459
 2.92382162 -1.21604385 -0.75829482 0.72014256 -0.65148042 3.27966336
 4.97793723 -0.01839085 1.3631407 -3.51116597]
 Sample 231: [1.89272132 0.78706757 0.2035209 1.91041342 1.66700653
 -1.2689158
 2.86176955 -1.2284414 -0.70273016 0.7244435 -0.5932247 3.21905998
 4.94073757 -0.07258251 1.32902825 -3.54865482]
 Sample 232: [1.84947018 0.77501798 0.23686589 1.92838218 1.68268676
 -1.29850179
 2.96555391 -1.2157408 -0.780558 0.70262198 -0.56666867 3.20925126
 4.97668776 -0.10944944 1.36414503 -3.52407959]
 Sample 233: [1.908919 0.87693973 0.18624753 1.90975413 1.63112377
 -1.296766
 3.01183924 -1.16262399 -0.78042298 0.70342247 -0.63896298 3.24635343
 4.8557214 -0.09932642 1.29031588 -3.5172429]
 Sample 234: [1.84322553 0.82738116 0.23156275 1.8757141 1.61728318
 -1.367954
 3.0377744 -1.14278939 -0.89069085 0.71507366 -0.62679233 3.19378414
 5.00051326 -0.05646007 1.27376623 -3.56410616]

Sample 235: [1.81456266 0.82398573 0.18422713 1.8224515 1.68744292
 -1.40823518
 3.07872006 -1.17817347 -0.99257494 0.64930119 -0.70583168 3.16548847
 5.00856362 -0.04968674 1.30936717 -3.55599454]
 Sample 236: [1.70768298 0.79905551 0.25213744 1.84320079 1.6807978
 -1.37245516
 3.02747533 -1.20161874 -0.98998136 0.60102349 -0.58255576 3.21778649
 4.97816208 -0.01877131 1.36282893 -3.49757736]
 Sample 237: [1.74892128 0.80955622 0.20159848 1.82512409 1.70153601
 -1.32523628
 3.06851787 -1.15895092 -0.98162614 0.56328899 -0.55280989 3.26122473
 5.00116494 -0.00773163 1.41084973 -3.48127395]
 Sample 238: [1.79049048 0.8641669 0.203842 1.89494927 1.6814755
 -1.20614228
 3.07759435 -1.20623032 -0.98035967 0.57446746 -0.55467332 3.3359526
 5.00517645 0.05196819 1.44203531 -3.39520686]
 Sample 239: [1.88688584 0.87294667 0.20980058 1.86495527 1.67631561
 -1.28579208
 3.116039 -1.20945308 -0.96204791 0.55103042 -0.54405709 3.42365224
 4.87296748 0.08819012 1.42553173 -3.42356916]
 Sample 240: [1.90039164 0.87509988 0.21876963 1.80518057 1.69705284
 -1.34734896
 3.09152594 -1.18838705 -0.9170066 0.50022408 -0.49913622 3.37442583
 4.84292659 0.14832149 1.47547895 -3.38157193]
 Sample 241: [1.98200363 0.88058857 0.18476778 1.83424988 1.72582126
 -1.34183211
 3.18908128 -1.14085417 -0.86374777 0.44937312 -0.46675525 3.44897366
 4.89206972 0.18861019 1.38722544 -3.35346807]
 Sample 242: [1.94131689 0.9375725 0.19948119 1.85150269 1.76834231
 -1.40266856
 3.18235917 -1.1693118 -0.94319727 0.48118287 -0.46491292 3.47226929
 4.87121323 0.18830889 1.38506205 -3.3251582]
 Sample 243: [1.94227698 0.9174204 0.17394816 1.84115268 1.70228492
 -1.35661396
 3.27145078 -1.07984048 -0.94000862 0.54492926 -0.45894756 3.52906449
 4.92167296 0.23756672 1.40199076 -3.31533168]
 Sample 244: [1.91651865 0.95839605 0.17723534 1.86359597 1.71052288
 -1.23485971
 3.33591215 -1.10494048 -0.89312711 0.58213648 -0.46935847 3.43191377
 4.90755154 0.21877322 1.41996147 -3.31088059]
 Sample 245: [1.95789668 0.93779374 0.18464489 1.8534725 1.60506091
 -1.26778035
 3.3214349 -1.11626443 -0.93103373 0.61886904 -0.52550789 3.40610459
 4.88968584 0.21088506 1.48633881 -3.39148671]
 Sample 246: [2.0193581 0.9431998 0.17227391 1.92948258 1.71108612
 -1.20287783
 3.39318494 -1.07109902 -0.95016902 0.66311385 -0.55099585 3.39928798
 4.97007765 0.23937164 1.50198359 -3.29016679]

Sample 247: [2.0884467 0.93337624 0.22502883 1.97714332 1.71370178
 -1.22952101
 3.39915649 -1.10500233 -0.92349131 0.66101665 -0.6196438 3.40272767
 4.94749336 0.21441157 1.55969891 -3.31007324]
 Sample 248: [2.06245585 0.93108473 0.20836104 1.9350982 1.69941796
 -1.19871503
 3.45712932 -1.15250002 -0.86475308 0.64411845 -0.58118382 3.34224545
 4.99482763 0.21456821 1.59222549 -3.31119034]
 Sample 249: [2.02885296 0.98209409 0.1630769 1.95133536 1.68906676
 -1.22362121
 3.49472928 -1.13911205 -0.89222315 0.72840903 -0.51886952 3.2902457
 5.05644243 0.23517988 1.67560362 -3.33874147]
 Sample 250: [2.06789325 0.96086362 0.21353905 1.89582202 1.71072848
 -1.24260835
 3.60602331 -1.21234832 -0.86793985 0.7210946 -0.45347324 3.31945453
 5.06184037 0.28195567 1.73087637 -3.21014219]
 Sample 251: [2.10004429 0.99749064 0.20993674 1.88620259 1.78060003
 -1.3271001
 3.56286694 -1.20672373 -0.92587354 0.6593431 -0.51056554 3.38733869
 4.94631506 0.32089034 1.71987304 -3.20864941]
 Sample 252: [2.18846506 1.00548936 0.21830685 1.90291169 1.84832402
 -1.37877229
 3.64428251 -1.27775423 -0.91259564 0.59584923 -0.49115952 3.34492427
 4.96492497 0.21989715 1.79027726 -3.1504905]
 Sample 253: [2.17630649 0.97155049 0.20520525 1.96644255 1.8509102
 -1.3271212
 3.65436662 -1.29110359 -0.91316098 0.60310335 -0.46290586 3.43511729
 4.91631074 0.21899126 1.77009757 -3.16079654]
 Sample 254: [2.08052367 1.01691554 0.18012645 2.01107118 1.85514743
 -1.36337126
 3.64906507 -1.1401537 -0.85418155 0.63266061 -0.42908025 3.45605082
 4.97914742 0.25495813 1.81831933 -3.21422138]
 Sample 255: [2.05310234 0.96634479 0.18221529 2.07280986 1.91585232
 -1.28742066
 3.6153089 -1.15187437 -0.84676301 0.65905054 -0.42480621 3.43208675
 4.93830111 0.20663585 1.77821157 -3.23626723]
 Sample 256: [2.08819505 0.97509699 0.25893334 2.09874975 1.89720783
 -1.32225601
 3.56333637 -1.1266348 -0.84520768 0.69355318 -0.35731432 3.417125
 4.94816763 0.16150262 1.69200541 -3.26609762]
 Sample 257: [2.02092579 0.98405737 0.19182601 2.11079045 1.81179024
 -1.35859701
 3.55874553 -1.13651919 -0.88094332 0.74372082 -0.28274921 3.39763435
 4.87900533 0.21324789 1.68171643 -3.32853377]
 Sample 258: [2.10390338 0.9929746 0.1985465 2.08039841 1.80987509
 -1.34154454
 3.67000157 -1.14024627 -0.8624409 0.74423112 -0.31432076 3.35384005
 4.94396115 0.21812418 1.65951544 -3.31330185]

Sample 259: [2.07043883 0.98268731 0.22545779 2.09883713 1.77647613
 -1.37277563
 3.70909647 -1.11726771 -0.77000551 0.86657498 -0.36694485 3.34722721
 4.94162143 0.2734197 1.54804915 -3.26403438]
 Sample 260: [2.08736915 0.97685179 0.18926427 2.20238745 1.70817215
 -1.32828453
 3.62678699 -1.07245838 -0.7984866 0.88912522 -0.29841731 3.32395702
 4.93241027 0.14960018 1.5460037 -3.2875076]
 Sample 261: [2.0599089 1.02582786 0.20860344 2.24729162 1.69057306
 -1.36369495
 3.65751354 -1.04986651 -0.88098875 0.82463454 -0.3902204 3.33644268
 4.87597031 0.14623469 1.57079171 -3.3468321]
 Sample 262: [2.04394636 1.03697043 0.17893612 2.36060841 1.61902441
 -1.34565486
 3.67723424 -1.08781692 -0.87517426 0.76703342 -0.43553452 3.27068813
 4.81713135 0.10068052 1.50503294 -3.31795632]
 Sample 263: [2.03589227 0.94992982 0.17691583 2.31814224 1.59627549
 -1.35977794
 3.57649809 -1.04302555 -0.92997614 0.66408103 -0.43974326 3.36486941
 4.8645666 0.10290579 1.43429865 -3.26996137]
 Sample 264: [2.04645695 1.00726454 0.22107041 2.33136558 1.63411119
 -1.36436648
 3.53646644 -1.05352539 -0.94652669 0.66141795 -0.43717597 3.24112763
 4.84743789 0.10194021 1.50846071 -3.34505932]
 Sample 265: [2.02938573 0.88344501 0.16528679 2.22060927 1.56277626
 -1.37378039
 3.52409286 -1.11909094 -0.94236538 0.68932674 -0.41494157 3.34634431
 4.8189098 0.11613688 1.4645402 -3.36954558]
 Sample 266: [2.05579611 0.99282229 0.24044742 2.23318576 1.56727673
 -1.3580412
 3.5196407 -1.08346991 -0.95702713 0.61043783 -0.44419722 3.30925894
 4.76288884 0.08617073 1.41177169 -3.4158526]
 Sample 267: [2.06454748 0.98617121 0.13576074 2.21918911 1.54441373
 -1.32093931
 3.5494306 -1.00780682 -0.97472315 0.60964439 -0.53292354 3.29072877
 4.73739674 0.07695249 1.38098635 -3.46247129]
 Sample 268: [2.13548321 0.99514293 0.21529829 2.23850553 1.58142255
 -1.39777322
 3.59951478 -0.94112523 -0.98914853 0.63692235 -0.52178233 3.34961711
 4.83594019 0.06899982 1.42401338 -3.44830091]
 Sample 269: [2.17707572 0.95477636 0.15980801 2.26935577 1.61997302
 -1.44651283
 3.57298612 -1.04537002 -1.03836122 0.63565183 -0.59921205 3.37121809
 4.67884304 0.05212845 1.39989921 -3.42515652]
 Sample 270: [2.1265554 0.98626911 0.23969971 2.27384084 1.59563422
 -1.48079025
 3.58374256 -1.09690552 -1.02369388 0.64022217 -0.59106129 3.4145298
 4.68433367 0.02115106 1.36104126 -3.41743704]

Sample 271: [2.17840062 0.93079615 0.19090176 2.33632741 1.60235454
 -1.39847502
 3.62194064 -1.19192244 -1.07101881 0.68061215 -0.63105985 3.3890025
 4.6645302 0.03196532 1.27986189 -3.42867421]
 Sample 272: [2.20126171 1.06163624 0.23217905 2.46323826 1.63127769
 -1.49121691
 3.58879816 -1.05959114 -1.16214286 0.60875874 -0.5337929 3.37280703
 4.67370716 0.05557996 1.26368394 -3.34515433]
 Sample 273: [2.12989666 1.01595738 0.13521259 2.4718158 1.61089516
 -1.51928433
 3.57102268 -0.98535441 -1.20816198 0.60516874 -0.5266737 3.33359128
 4.63551641 0.06014461 1.30583813 -3.32540156]
 Sample 274: [2.10448509 1.00548526 0.20310031 2.5060158 1.67026137
 -1.50682687
 3.65497819 -0.94367631 -1.22729625 0.65290552 -0.5734248 3.29901114
 4.73259868 0.0210727 1.20390905 -3.36030395]
 Sample 275: [2.14783556 0.96298756 0.15964487 2.48030855 1.63849685
 -1.51082492
 3.59706164 -0.95134277 -1.18559375 0.72518938 -0.53393248 3.32823831
 4.80020587 0.01217275 1.13943539 -3.30851303]
 Sample 276: [2.10936484 1.03637954 0.15067777 2.43563618 1.74380739
 -1.51101205
 3.49995259 -0.94737673 -1.2263545 0.69476977 -0.6175033 3.31319576
 4.74697549 0.08911901 1.17750638 -3.28782369]
 Sample 277: [2.11535096 1.01825992 0.15338337 2.33124702 1.82832954
 -1.44528936
 3.57809135 -0.98777074 -1.2443334 0.72361711 -0.70254863 3.39024363
 4.7806371 0.08277252 1.30455194 -3.26672278]
 Sample 278: [2.08387815 1.01037554 0.1701479 2.23685458 1.83371091
 -1.4590905
 3.58560277 -1.00379038 -1.32482153 0.71532981 -0.75238026 3.35501944
 4.7172932 0.07797817 1.16300116 -3.27280838]
 Sample 279: [2.14989119 1.06952437 0.17416539 2.19825024 1.88517833
 -1.52814464
 3.6372512 -1.03299157 -1.32528664 0.78893645 -0.7581869 3.33815701
 4.67727466 0.06343897 1.25561874 -3.30871493]
 Sample 280: [2.08072742 1.00466402 0.19759217 2.20734067 1.91854622
 -1.5150548
 3.62542331 -1.00986575 -1.33758155 0.92621121 -0.69843575 3.254299
 4.6048303 0.05834917 1.2171812 -3.22920414]
 Sample 281: [2.08281987 0.99797359 0.1832516 2.23907567 1.97025532
 -1.53830537
 3.60908604 -1.00489994 -1.31752527 0.90154186 -0.59688641 3.19970398
 4.55642841 0.06680357 1.18738714 -3.25356853]
 Sample 282: [2.09317926 0.95790495 0.17351802 2.34718444 2.06020156
 -1.51217192
 3.58349415 -0.97880426 -1.39083851 0.96780854 -0.48369376 3.25736802
 4.60448219 0.07870813 1.15412076 -3.31633017]

Sample 283: [2.15391257 0.97237259 0.21939751 2.40974002 2.08820709
-1.48452939
3.54727947 -1.01147234 -1.43979185 1.00805579 -0.49007102 3.20054356
4.68585215 -0.02714474 1.14199458 -3.33157667]
Sample 284: [2.11739239 1.03032754 0.17689175 2.45726639 2.09958963
-1.46726814
3.61787506 -1.08777427 -1.40748077 1.01634409 -0.46201831 3.18480868
4.65774174 -0.09700857 1.13160771 -3.32549203]
Sample 285: [2.12752812 0.96338444 0.19769545 2.3590173 2.07230171
-1.48117085
3.61409117 -1.00610632 -1.38754971 0.97004266 -0.39089721 3.17783171
4.64947421 -0.14334964 1.05591676 -3.32755068]
Sample 286: [2.13941651 1.01686542 0.15830278 2.42260826 2.08194221
-1.48747864
3.68292183 -0.97302462 -1.39307636 1.04254818 -0.37176027 3.20738406
4.56531564 -0.2114463 1.12866893 -3.2198371]
Sample 287: [2.15440428 1.05548562 0.17166113 2.47235436 2.09126765
-1.55601914
3.6253001 -0.99840161 -1.40411222 1.0406477 -0.33685454 3.15317768
4.60819098 -0.21033045 1.1545462 -3.25768062]
Sample 288: [2.08425065 0.95567237 0.20030927 2.49041783 2.14518659
-1.55004394
3.54767064 -1.10087222 -1.4078381 1.02952164 -0.31840927 3.07426648
4.62360139 -0.31566723 1.15160737 -3.33463995]
Sample 289: [2.06399089 0.95592392 0.20343525 2.52403757 2.16944579
-1.46294832
3.56160996 -1.12029398 -1.3798776 1.06596123 -0.43390314 3.11220248
4.54834662 -0.33590451 1.19933653 -3.39884273]
Sample 290: [2.1009604 0.95939912 0.21908375 2.51435035 2.14601111
-1.45539639
3.61764933 -1.16603115 -1.34600383 1.15262039 -0.38978533 3.07103137
4.51034112 -0.43610992 1.28470163 -3.37622828]
Sample 291: [2.10123156 0.99277269 0.22847116 2.57427739 2.11760314
-1.5706852
3.61084969 -1.19671368 -1.32000847 1.19047163 -0.38335806 3.09425038
4.50589633 -0.45022979 1.38278538 -3.43284876]
Sample 292: [2.15984902 0.97073835 0.22271758 2.55244693 2.1003318
-1.61187063
3.60299465 -1.2112685 -1.37116178 1.21901018 -0.38008111 3.11918486
4.52491174 -0.49452946 1.4267193 -3.30626402]
Sample 293: [2.24872263 0.97234948 0.22882313 2.67703474 2.14698049
-1.58345437
3.63149265 -1.15052164 -1.3951984 1.15503517 -0.36668897 3.12989151
4.47434127 -0.42483538 1.41901579 -3.3243582]
Sample 294: [2.19266309 0.94892489 0.21618006 2.7208754 2.08898779
-1.63598656
3.59411047 -1.20589083 -1.41915506 1.18983824 -0.38871936 3.18638281
4.54989525 -0.43597141 1.40618991 -3.23961704]

Sample 295: [2.16447152 0.95844516 0.22739087 2.80317996 2.07226325
 -1.5569187
 3.50470642 -1.24193318 -1.46925416 1.19663088 -0.39490225 3.23073961
 4.61633752 -0.51637215 1.40759436 -3.24373765]
 Sample 296: [2.21765012 0.96337251 0.24100332 2.81903949 2.14135094
 -1.64841811
 3.46807767 -1.26925327 -1.43127624 1.11065259 -0.32714831 3.29680492
 4.59107927 -0.42594582 1.30902475 -3.28000914]
 Sample 297: [2.32732607 0.93981325 0.1985315 2.86640275 2.15543382
 -1.67315115
 3.59079034 -1.14908861 -1.45505763 1.11058771 -0.29570499 3.28102931
 4.59347206 -0.47012905 1.31184918 -3.20975108]
 Sample 298: [2.2826624 1.01360126 0.20943593 2.81644018 2.15082051
 -1.64190704
 3.42585187 -1.10432889 -1.48653221 1.08523502 -0.33303595 3.34654331
 4.60444328 -0.46086804 1.23794872 -3.33089522]
 Sample 299: [2.27907061 0.95475599 0.19044154 2.83490343 2.17343751
 -1.67367807
 3.47842018 -1.07478433 -1.50523368 1.09669805 -0.31561374 3.344822
 4.54208173 -0.56954757 1.18183658 -3.28479283]
 Sample 300: [2.2364534 0.9859379 0.18200474 2.79317268 2.11146373
 -1.69370314
 3.48784265 -1.02292164 -1.51123176 1.09856178 -0.28471573 3.31044582
 4.55168861 -0.63543711 1.25189291 -3.3280618]
 Sample 301: [2.17490054 0.89956607 0.22302887 2.76038738 2.1036619
 -1.6741718
 3.46411745 -1.11981467 -1.51656169 1.07427366 -0.26738911 3.3911405
 4.62431197 -0.67583918 1.30798733 -3.36321203]
 Sample 302: [2.21646888 0.93293755 0.19949099 2.80290682 2.10744666
 -1.7326498
 3.3739121 -1.09387071 -1.61909613 1.086681 -0.29945439 3.5040053
 4.65728887 -0.60065283 1.28053757 -3.37677782]
 Sample 303: [2.18344383 0.96178459 0.17984074 2.70578124 2.04386774
 -1.81474564
 3.39716144 -1.01299288 -1.62066237 1.15788712 -0.2798641 3.46507644
 4.70102719 -0.56423135 1.25091922 -3.30955715]
 Sample 304: [2.11576055 1.01843396 0.18778382 2.73226982 1.9638001
 -1.89668516
 3.44698889 -1.11337159 -1.67876604 1.16148741 -0.25028513 3.49128324
 4.82886939 -0.62308307 1.25978181 -3.34001102]
 Sample 305: [2.09855229 0.94090271 0.19019027 2.70383071 2.02443302
 -1.87893127
 3.40976125 -1.11873693 -1.73766021 1.1870532 -0.25055018 3.50065664
 4.73373749 -0.54040206 1.16961406 -3.30918012]
 Sample 306: [2.24248369 1.05429866 0.19878531 2.76250734 2.0363999
 -1.86147244
 3.35857884 -1.09828805 -1.69742994 1.1958516 -0.25796874 3.4841483
 4.78263909 -0.55226771 1.19818587 -3.22536791]

Sample 307: [2.24313821 1.00891032 0.15463054 2.74989628 1.99442174
 -1.88341649
 3.36598992 -1.09634894 -1.71931321 1.15950219 -0.38209894 3.34945233
 4.78775323 -0.59337908 1.27753508 -3.24350181]
 Sample 308: [2.18000837 0.97673417 0.18985696 2.71162218 2.0027388
 -1.84908997
 3.48529824 -1.06856885 -1.769322 1.18297484 -0.44146494 3.303474
 4.86800144 -0.71109772 1.30869347 -3.24510316]
 Sample 309: [2.18955263 0.99477135 0.14447567 2.81911265 1.98580669
 -1.80540972
 3.43112692 -1.01772304 -1.75021719 1.24139889 -0.50849828 3.25390258
 4.81029386 -0.73428779 1.31624032 -3.2779054]
 Sample 310: [2.15150374 1.03347936 0.16159307 2.7756999 1.89710584
 -1.81247833
 3.42657674 -1.0007329 -1.72302677 1.25568029 -0.51365668 3.24318455
 4.80448933 -0.73280832 1.36909288 -3.20649873]
 Sample 311: [2.12714227 0.94871532 0.15288684 2.76854198 1.91824626
 -1.79112592
 3.41626225 -0.95676075 -1.68473574 1.20682511 -0.46438839 3.26305542
 4.74519374 -0.67469975 1.31412555 -3.22868822]
 Sample 312: [2.08653359 0.97138158 0.16359641 2.79763752 1.97514127
 -1.75870079
 3.32226791 -0.89846618 -1.67005216 1.21910071 -0.48506886 3.25677574
 4.64945802 -0.69880428 1.31656686 -3.23019665]
 Sample 313: [2.06628468 0.9884047 0.13052264 2.87335551 2.03218861
 -1.77710313
 3.30614888 -0.92208302 -1.61064197 1.20712235 -0.30123717 3.28003728
 4.64716318 -0.66777213 1.36830045 -3.23603826]
 Sample 314: [2.12621896 0.97385808 0.1716898 2.88196381 1.96022227
 -1.71189804
 3.31727498 -0.90944997 -1.53183209 1.24654053 -0.4026654 3.30123915
 4.56680798 -0.74451257 1.35309551 -3.11570783]
 Sample 315: [2.16867167 0.96975165 0.1769472 2.88943728 2.00355746
 -1.70498703
 3.37039356 -0.90455469 -1.50815957 1.16106006 -0.35739361 3.31183624
 4.52975734 -0.72694427 1.43033483 -3.16059307]
 Sample 316: [2.16994605 0.95007435 0.15584727 2.86599707 1.96052047
 -1.74192066
 3.36737166 -0.95056151 -1.55588777 1.14772067 -0.41067377 3.34527127
 4.49977331 -0.71925101 1.43992653 -3.15750211]
 Sample 317: [2.17826542 0.98270065 0.20357815 2.86662267 2.01237904
 -1.74821399
 3.39848932 -0.97065495 -1.58365106 1.11693727 -0.33081817 3.39703214
 4.6164439 -0.62571098 1.44421935 -3.16155274]
 Sample 318: [2.21808364 0.97779798 0.16318421 2.90390387 2.07032817
 -1.71410445
 3.56621846 -1.05987222 -1.54969352 1.12736361 -0.24428124 3.32131437
 4.6319767 -0.6894885 1.42635699 -3.17223997]

Sample 319: [2.31158386 0.98266687 0.19841504 2.84486064 2.10106043
-1.731074
3.57842654 -1.04093915 -1.60440211 1.16355264 -0.31400555 3.29052507
4.62349436 -0.66980414 1.41301816 -3.12675565]

Sample 320: [2.36251196 1.01651064 0.15207143 2.85241075 2.10634157
-1.73626192
3.53445811 -1.050177 -1.66591064 1.18331999 -0.35227811 3.26219977
4.58102851 -0.61001723 1.47380724 -3.06708599]

Sample 321: [2.34155233 0.95299458 0.21461675 2.91424498 2.14537666
-1.71711749
3.49847166 -1.06005368 -1.81913969 1.2392693 -0.32031718 3.23457059
4.6038472 -0.61245144 1.46381872 -3.10631918]

Sample 322: [2.32512116 0.98490211 0.18737238 2.9235413 2.17611903
-1.74383727
3.59835621 -1.12192836 -1.88389235 1.15711092 -0.25415583 3.21115149
4.50550139 -0.59284047 1.38500019 -3.14732767]

Sample 323: [2.29124229 0.97403056 0.22790083 2.95998587 2.20364861
-1.76232625
3.5414374 -1.10080289 -1.80519621 1.23020641 -0.19334336 3.23154831
4.40440378 -0.54864172 1.43312523 -3.19152995]

Sample 324: [2.37727128 1.00862081 0.18087253 2.99968908 2.1357328
-1.75421639
3.5416924 -1.13465377 -1.81973092 1.2454493 -0.18253869 3.32891777
4.44486975 -0.52838316 1.42492794 -3.07592553]

Sample 325: [2.49635025 1.08009062 0.20969077 3.00600128 2.19161976
-1.78621249
3.56686508 -1.05732088 -1.81767801 1.20380069 -0.214655 3.35644701
4.52140145 -0.53483552 1.43161673 -3.03807956]

Sample 326: [2.54697695 0.97049789 0.17366265 3.00725624 2.23149188
-1.90100767
3.51338949 -1.0874727 -1.78700382 1.24655402 -0.23118879 3.43560573
4.52738806 -0.41963722 1.42189298 -3.02435942]

Sample 327: [2.52661556 1.03820854 0.19624248 3.0343054 2.23602815
-1.89220105
3.42592813 -1.02804458 -1.74993799 1.22070086 -0.22835774 3.43145586
4.54663306 -0.33765383 1.41227546 -3.01398129]

Sample 328: [2.59883401 1.00790763 0.13779791 3.01625786 2.2303141
-1.8638231
3.35980567 -1.04238289 -1.76006775 1.18849798 -0.20901901 3.37673587
4.58638782 -0.32116418 1.44811894 -3.01785589]

Sample 329: [2.6462311 0.98245391 0.23365675 3.02189484 2.25713911
-1.9349823
3.39208804 -1.0121061 -1.77764085 1.13210268 -0.24461577 3.46191297
4.43002831 -0.22604191 1.51010189 -2.97148429]

Sample 330: [2.71205168 0.9858755 0.18864108 3.05553902 2.19885088
-1.92056575
3.42395675 -1.08546342 -1.80040694 1.08545199 -0.23214353 3.43856559
4.44755578 -0.24646157 1.52832412 -3.00781164]

Sample 331: [2.72394689 0.9708859 0.1890181 3.11723969 2.14590974
 -1.8420042
 3.33115087 -1.11738927 -1.866127 0.98324189 -0.17711421 3.44634479
 4.41011968 -0.29762613 1.47313775 -2.9797234]
 Sample 332: [2.64822052 0.9432309 0.22985757 3.10100871 2.18110904
 -1.78937767
 3.3109475 -1.15020885 -1.8920953 0.92041406 -0.13737994 3.4468945
 4.42550963 -0.31321695 1.50118619 -3.02617154]
 Sample 333: [2.62948435 0.94353165 0.17468439 3.07666259 2.2234067
 -1.79429951
 3.23055168 -1.15169264 -1.95037476 0.8893344 -0.05550643 3.44996722
 4.44283388 -0.34919819 1.49294729 -3.04832783]
 Sample 334: [2.55086515 0.93797867 0.23977702 3.02475559 2.23393734
 -1.80092179
 3.27705994 -1.0766335 -2.03988709 0.81009829 -0.02986511 3.47718949
 4.44986449 -0.43788846 1.41520488 -3.06176545]
 Sample 335: [2.58167183 0.95246297 0.14226256 3.04335657 2.23681679
 -1.85741101
 3.29840137 -1.02269086 -2.08377562 0.8620415 0.03066244 3.59285496
 4.45803043 -0.42142537 1.38173774 -3.0345853]
 Sample 336: [2.59706989 0.9856526 0.23404567 3.01767095 2.20837769
 -1.84782084
 3.27822553 -0.9970562 -2.00057264 0.83261526 0.07202911 3.59253534
 4.44218963 -0.38701117 1.40241483 -3.04299378]
 Sample 337: [2.51421576 0.96277986 0.13196616 3.00495912 2.25279044
 -1.90185377
 3.20194196 -0.98734411 -2.06305617 0.77382171 0.05247471 3.6087592
 4.50845379 -0.40630268 1.38940197 -3.06504889]
 Sample 338: [2.47543019 0.94877339 0.21245092 3.03452206 2.23409713
 -1.92384346
 3.18304317 -0.96462514 -2.00719854 0.75569451 0.04897023 3.59703593
 4.42045916 -0.395558 1.41303631 -3.02236868]
 Sample 339: [2.39922008 1.00692869 0.1226754 3.01888021 2.19616618
 -1.91910571
 3.2630634 -0.91007112 -2.00133902 0.82269261 -0.03473977 3.61145395
 4.36340828 -0.35676977 1.27866973 -3.05571378]
 Sample 340: [2.36210363 1.00508624 0.18315391 2.99950204 2.26027448
 -1.93148693
 3.22322367 -0.90070308 -1.92173747 0.76434649 -0.09050303 3.58505577
 4.35581757 -0.34585852 1.19092263 -3.03979406]
 Sample 341: [2.27944772 0.97099584 0.1274412 3.01689296 2.20810306
 -1.94827787
 3.1927275 -0.92858422 -1.95240695 0.77580707 -0.13740006 3.60959189
 4.36861095 -0.35401564 1.20108165 -2.92384784]
 Sample 342: [2.34932167 1.00637134 0.24049446 2.97639285 2.16646884
 -2.00923766
 3.27690199 -1.00803824 -1.90392049 0.75802419 -0.19919186 3.62452108
 4.42965968 -0.39780162 1.17793491 -2.84966714]

Sample 343: [2.28471593 0.99481664 0.11182588 2.95823991 2.18268405
 -2.07068385
 3.22827605 -1.03318868 -1.91628194 0.66748932 -0.22134039 3.62892536
 4.45058796 -0.54976239 1.11709804 -2.68845085]
 Sample 344: [2.3017112 1.08219915 0.24065774 2.98080807 2.2595912
 -2.10143841
 3.29989382 -1.05002932 -1.91652441 0.60409941 -0.23084791 3.69672598
 4.55364258 -0.60503099 1.0407596 -2.60346409]
 Sample 345: [2.16786374 0.95747525 0.13985996 2.94339979 2.22813471
 -2.09496268
 3.32753247 -1.0880264 -1.95902528 0.6069473 -0.19570612 3.65391349
 4.52728074 -0.65710635 1.08744544 -2.67973169]
 Sample 346: [2.22270507 0.97134446 0.24610734 2.99398395 2.19891961
 -2.19917533
 3.31356351 -1.13929009 -1.9759855 0.586824 -0.21224424 3.59419811
 4.47802355 -0.66155108 1.07511435 -2.67505859]
 Sample 347: [2.2274507 1.03493745 0.19856221 3.05156825 2.20653163
 -2.17726261
 3.28532982 -1.10680838 -2.08997675 0.62633256 -0.24669597 3.58451916
 4.39252225 -0.61457393 1.10528642 -2.61718954]
 Sample 348: [2.18430543 0.9754829 0.18813145 3.1186167 2.17653979
 -2.17297789
 3.26002428 -1.10846397 -2.16108304 0.68703695 -0.25871374 3.57451532
 4.42332199 -0.65699617 1.08803997 -2.68815747]
 Sample 349: [2.16303187 1.00106119 0.16157746 3.24672294 2.25748898
 -2.16805353
 3.2688806 -1.12002443 -2.13031044 0.62965666 -0.23983444 3.56826866
 4.34758656 -0.53679836 1.18560859 -2.68381782]
 Sample 350: [2.19768882 1.00335789 0.20704701 3.29240267 2.24757971
 -2.08866454
 3.23819347 -1.15031384 -2.21709035 0.65614672 -0.28339423 3.60634721
 4.36272817 -0.53338702 1.25162376 -2.68008184]
 Sample 351: [2.18516302 1.00783257 0.15912436 3.34132595 2.19784027
 -2.10427908
 3.18322919 -1.18215295 -2.19918428 0.66515791 -0.40441656 3.62309818
 4.41107368 -0.60979679 1.29966072 -2.68099352]
 Sample 352: [2.06997104 0.96802108 0.195646 3.44287429 2.21161874
 -2.06713589
 3.21013629 -1.13991393 -2.20420973 0.69065884 -0.43101374 3.69969801
 4.43126045 -0.70047891 1.33288061 -2.65031581]
 Sample 353: [2.0055835 1.02296457 0.14544695 3.48429336 2.26645373
 -2.11977309
 3.18626784 -1.13155251 -2.27751975 0.64806143 -0.44669889 3.65638836
 4.46633315 -0.6498846 1.2732247 -2.6172895]
 Sample 354: [2.09912854 0.98918575 0.27638279 3.45319126 2.22676391
 -2.12041878
 3.20936325 -1.07624478 -2.30628032 0.75496628 -0.41841241 3.64421299
 4.52293289 -0.55419307 1.2492097 -2.71838156]

Sample 355: [2.15831041 0.93048666 0.18941274 3.40990391 2.26496442
 -2.18828772
 3.19140885 -1.14141798 -2.24548966 0.76559806 -0.50906738 3.61354609
 4.56270014 -0.60158851 1.25847132 -2.69378726]
 Sample 356: [2.16657851 0.97079896 0.14598851 3.33202359 2.28679346
 -2.1118934
 3.13750841 -1.1311615 -2.23262698 0.8094847 -0.49030864 3.59647339
 4.55278771 -0.57661813 1.2120611 -2.68558927]
 Sample 357: [2.21231004 0.96270283 0.19254844 3.35829555 2.2578828
 -2.09293744
 3.23943941 -1.16194031 -2.19090796 0.75100022 -0.39524025 3.60422629
 4.54327609 -0.57525346 1.21032649 -2.72562325]
 Sample 358: [2.29813784 0.98889478 0.16381886 3.41204237 2.21778496
 -2.1467855
 3.26605614 -1.1928453 -2.21372868 0.74173171 -0.41705044 3.60033416
 4.53725017 -0.53902763 1.17182876 -2.7518663]
 Sample 359: [2.30525693 1.00181559 0.21497822 3.26457564 2.14833011
 -2.11544397
 3.27567118 -1.24996451 -2.17923952 0.67705396 -0.39179474 3.58916169
 4.53330088 -0.51129183 1.14555703 -2.78428728]
 Sample 360: [2.36862225 0.97236875 0.19203199 3.22365617 2.26483137
 -2.01586505
 3.29642193 -1.27492845 -2.12233639 0.62868179 -0.35624718 3.61021632
 4.49839226 -0.46364349 1.1928751 -2.87193276]
 Sample 361: [2.42119041 0.91870295 0.26712632 3.20547198 2.29885937
 -1.94134384
 3.26795252 -1.25631046 -2.08817972 0.61352943 -0.34558469 3.65268486
 4.53270637 -0.4851774 1.2227343 -2.87929875]
 Sample 362: [2.42693254 0.96829435 0.22400224 3.20783279 2.29143916
 -1.90255204
 3.21927318 -1.27474075 -2.17232455 0.71474756 -0.4093043 3.68680225
 4.51250244 -0.41856755 1.34714656 -2.85194226]
 Sample 363: [2.35035658 0.98504595 0.18785384 3.1449444 2.26662451
 -1.87014187
 3.25390415 -1.2260259 -2.13163766 0.74675404 -0.38565246 3.66873997
 4.45211961 -0.41031285 1.38302064 -2.89768504]
 Sample 364: [2.41657048 0.92352774 0.26219404 3.1849278 2.2682104
 -1.98399781
 3.30299278 -1.22883221 -2.23576806 0.70799758 -0.37268845 3.72289909
 4.48584565 -0.4251788 1.32094841 -2.93008053]
 Sample 365: [2.39767505 0.98294814 0.17191195 3.07959369 2.25084529
 -1.9170447
 3.37158589 -1.23931803 -2.32332998 0.80118688 -0.35147723 3.68256109
 4.52927761 -0.45249772 1.31639624 -2.95614546]
 Sample 366: [2.45593194 0.94361489 0.2889308 3.04278554 2.29598053
 -1.91202911
 3.27361496 -1.27467464 -2.34230866 0.7889718 -0.36438411 3.61626857
 4.51934267 -0.47406564 1.31263314 -3.0166897]

Sample 367: [2.36966295 0.92215871 0.20019368 3.14331488 2.29099854
 -1.92674972
 3.28642455 -1.20806703 -2.34134289 0.76506588 -0.39834014 3.60574363
 4.56852932 -0.51014564 1.27664324 -2.97888549]
 Sample 368: [2.47733567 0.95601477 0.20796205 3.07918673 2.2559
 -1.84356254
 3.22763959 -1.16686641 -2.33391355 0.79886705 -0.42991612 3.65835178
 4.55188616 -0.47939998 1.25647673 -2.95811152]
 Sample 369: [2.54109419 0.99587378 0.18206983 3.07859289 2.26800398
 -1.81526131
 3.20501729 -1.15853613 -2.3557675 0.89914262 -0.33495113 3.6491303
 4.43279322 -0.47513895 1.31841258 -3.03352527]
 Sample 370: [2.55852729 0.9868745 0.20441204 3.01595059 2.29231813
 -1.80019368
 3.30718787 -1.14202033 -2.37847788 0.79387688 -0.31211522 3.62063507
 4.51013457 -0.43746544 1.27473916 -2.94449387]
 Sample 371: [2.45687307 1.01522821 0.15428622 3.00627015 2.29219185
 -1.81978284
 3.29948646 -1.12310916 -2.46353761 0.82029817 -0.28989912 3.70658354
 4.6984971 -0.37728249 1.25292329 -2.98295317]
 Sample 372: [2.37007899 0.9290986 0.21594115 2.98664325 2.28794383
 -1.80094455
 3.28110023 -1.15351105 -2.53817968 0.77260735 -0.35332907 3.6758732
 4.71535713 -0.38863498 1.19283959 -2.99529907]
 Sample 373: [2.37126799 0.98367214 0.15545016 2.9691731 2.2282509
 -1.84230465
 3.24209235 -1.16532238 -2.48076853 0.74429835 -0.40846306 3.71734614
 4.77318989 -0.43126776 1.26249534 -2.98107822]
 Sample 374: [2.36918747 0.94741545 0.21656856 2.91387645 2.21934004
 -1.82279812
 3.25844908 -1.17961663 -2.41507132 0.69662645 -0.46663345 3.67888981
 4.73325749 -0.43455979 1.28104047 -2.97715964]
 Sample 375: [2.34161197 0.95148601 0.20019644 2.90622545 2.13250879
 -1.83066946
 3.29081832 -1.1316627 -2.38133573 0.64743738 -0.45063601 3.64849837
 4.7393841 -0.34749389 1.30420577 -2.91304035]
 Sample 376: [2.41039149 0.9607995 0.16760766 2.82481064 2.04208494
 -1.92570001
 3.27921235 -1.15918209 -2.40503398 0.59571517 -0.4177286 3.68304455
 4.74467863 -0.36833197 1.33927734 -3.00194197]
 Sample 377: [2.38757097 0.94354378 0.19190189 2.74215072 2.06659275
 -1.94521283
 3.2362285 -1.16788674 -2.35772275 0.59744087 -0.4458623 3.6885784
 4.71788377 -0.42586136 1.22453237 -2.94124273]
 Sample 378: [2.32386607 0.94769312 0.1833437 2.76098853 2.11468644
 -2.03480299
 3.21550763 -1.17908822 -2.27656738 0.67447279 -0.42968194 3.65004045
 4.74699874 -0.40693005 1.29134696 -2.91562544]

Sample 379: [2.32733306 0.9510415 0.16054728 2.72056423 2.12543053
 -1.91585627
 3.18351431 -1.1361036 -2.3556081 0.67668069 -0.47038968 3.66239274
 4.73766236 -0.4042531 1.3203764 -2.85450111]
 Sample 380: [2.3341421 0.92193489 0.16771454 2.75721281 2.18608685
 -1.8466919
 3.07577031 -1.11360049 -2.36988976 0.61308126 -0.46138113 3.59755652
 4.81995306 -0.35917799 1.29650926 -2.91203547]
 Sample 381: [2.43016332 0.90589373 0.15318481 2.73219471 2.10542303
 -1.89785511
 3.09522501 -1.07117775 -2.3494697 0.63208028 -0.51558799 3.58797773
 4.79995041 -0.36095866 1.28505182 -2.89446723]
 Sample 382: [2.38811099 0.94739359 0.14083933 2.67325865 2.07735738
 -1.97691521
 3.10041752 -1.01464756 -2.2530221 0.72097254 -0.50586317 3.56991957
 4.84021284 -0.38937914 1.23721458 -2.89411504]
 Sample 383: [2.33131451 0.99031786 0.14254068 2.6723072 2.04892025
 -2.00061608
 3.1679195 -0.99355809 -2.32156046 0.79158193 -0.46111127 3.55708469
 4.86143824 -0.41957951 1.18184357 -2.92879017]
 Sample 384: [2.34592407 0.9541663 0.14215332 2.62303563 2.10009935
 -2.03651084
 3.14018051 -0.99992437 -2.30309396 0.77278298 -0.4455973 3.55366884
 4.86879163 -0.4253818 1.23545034 -2.91836442]
 Sample 385: [2.35946131 0.95641887 0.15671207 2.62830336 2.08726482
 -1.99792816
 3.13965321 -1.03867138 -2.29743871 0.76943757 -0.42514664 3.48649118
 4.83071199 -0.48133412 1.30226154 -2.9951457]
 Sample 386: [2.35591524 0.93294383 0.13206145 2.61798126 2.02035896
 -2.03936609
 3.08786682 -1.02940328 -2.21600325 0.69378361 -0.43911056 3.3718213
 4.9134051 -0.4393092 1.29052423 -2.9732161]
 Sample 387: [2.36397136 0.97161855 0.16124747 2.62841686 1.99746865
 -2.03929718
 3.14105003 -1.03622948 -2.20454236 0.73640874 -0.35540747 3.39323719
 4.93296454 -0.47895607 1.20280419 -3.00944504]
 Sample 388: [2.39013134 0.98952406 0.13853345 2.64328227 2.02634058
 -1.97608644
 3.17963014 -1.06761575 -2.15134227 0.67514087 -0.22667648 3.42516966
 4.88783306 -0.49398866 1.28897212 -3.05912849]
 Sample 389: [2.40061015 0.9455717 0.17255052 2.61702718 2.1174457
 -1.97229341
 3.02378634 -1.16962365 -2.17523538 0.65323123 -0.22028395 3.42036204
 4.96844034 -0.55002524 1.33540912 -3.05978462]
 Sample 390: [2.42985328 0.83517905 0.18551612 2.59374348 2.11414137
 -2.07396546
 3.0498214 -1.15710103 -2.27151535 0.59474988 -0.24687237 3.45416254
 4.98020059 -0.66009803 1.40654851 -3.05557588]

Sample 391: [2.47464555 0.91883791 0.16415737 2.64333024 2.14475876
 -2.10695697
 3.02581658 -1.23244257 -2.30185919 0.56789064 -0.33886285 3.43213723
 4.94560577 -0.66018438 1.45590125 -2.9345629]
 Sample 392: [2.52368705 0.92467183 0.17748506 2.64414006 2.13649648
 -2.08189455
 3.08238758 -1.22084727 -2.33810615 0.57101836 -0.36724905 3.4777272
 5.0354489 -0.64184646 1.43209669 -2.98124226]
 Sample 393: [2.56611069 0.90285308 0.17931373 2.69641938 2.19769087
 -2.10866958
 3.05080435 -1.19216057 -2.41732741 0.5283427 -0.40540921 3.5660116
 4.91965462 -0.62704126 1.417987 -3.06416121]
 Sample 394: [2.63335815 0.88145445 0.17861794 2.77113026 2.13455633
 -2.09481224
 3.10634789 -1.17555089 -2.36406045 0.48996285 -0.43484982 3.5849396
 4.91952146 -0.60965446 1.37426647 -3.09366913]
 Sample 395: [2.63225479 0.88820258 0.23651159 2.80494539 2.13623129
 -2.05074123
 3.09540686 -1.11116112 -2.39191688 0.45084626 -0.37308724 3.66166715
 4.88905056 -0.59837411 1.31328226 -3.06179586]
 Sample 396: [2.64493495 0.91154495 0.14478857 2.81337762 2.13905356
 -2.04544945
 3.03622384 -1.21148326 -2.42019063 0.43560343 -0.39544843 3.61245985
 4.88804135 -0.62408962 1.36305085 -3.05439291]
 Sample 397: [2.64988446 0.89822193 0.28048976 2.7916683 2.07634633
 -1.99610438
 3.11640544 -1.20374712 -2.36212544 0.46538757 -0.43160941 3.66620019
 4.87297047 -0.60193092 1.3882035 -3.05686971]
 Sample 398: [2.63375437 0.87719517 0.22057232 2.8133048 2.07541913
 -1.98571605
 3.02396403 -1.22629367 -2.28971616 0.40976485 -0.45338535 3.62575761
 4.91331927 -0.61740568 1.53309207 -3.04179862]
 Sample 399: [2.55489406 0.93818746 0.14350768 2.74265589 2.19060582
 -2.00650748
 3.04879154 -1.15648152 -2.22368892 0.45965561 -0.50524112 3.56552175
 4.91705098 -0.67607855 1.51132157 -3.05849433]
 Sample 400: [2.58820374 0.88709305 0.19369931 2.70958001 2.21717106
 -1.96154349
 3.03166446 -1.12582194 -2.110533 0.46299882 -0.41272347 3.66066567
 4.98903282 -0.7327703 1.58677378 -3.07912962]
 Sample 401: [2.59913289 0.93555094 0.13314777 2.79572416 2.2699147
 -1.86479064
 3.05672356 -1.15881359 -2.0558182 0.54957828 -0.42727739 3.60733536
 5.08745463 -0.69329707 1.55816849 -3.02743802]
 Sample 402: [2.62354793 0.93287096 0.15861185 2.7806446 2.20779314
 -1.84279718
 3.08167976 -1.02916573 -2.09947203 0.53074478 -0.45516107 3.63794851
 4.94916927 -0.74786465 1.43595912 -2.93295009]

Sample 403: [2.71811509 0.90123768 0.1427659 2.74215399 2.20357509
 -1.8705636
 2.98742276 -1.06890435 -2.03575823 0.59918854 -0.54780007 3.68269277
 4.96180021 -0.80950918 1.41181004 -2.93459528]
 Sample 404: [2.63301944 0.92286783 0.12724656 2.75255106 2.28085014
 -1.88140628
 2.95408676 -1.04494016 -2.02863886 0.73101364 -0.58236036 3.72161703
 4.9834529 -0.82289963 1.33855762 -2.90556871]
 Sample 405: [2.67711608 0.90523038 0.12905321 2.68118927 2.27635621
 -1.94137522
 2.93388781 -0.98974581 -2.08319191 0.72430373 -0.63019346 3.68304641
 4.9805798 -0.84983832 1.37239364 -2.89666337]
 Sample 406: [2.69173716 0.95636842 0.14014058 2.71532886 2.3077784
 -1.95183496
 2.96836022 -1.00960408 -2.10445407 0.73408757 -0.54241209 3.6913982
 5.00005149 -0.8768409 1.31521546 -2.76669109]
 Sample 407: [2.66901636 0.99007314 0.12187234 2.71201528 2.36604455
 -1.94558515
 2.99057658 -1.00803106 -2.16234377 0.80089828 -0.52136692 3.78186532
 5.01459476 -0.85837216 1.2420498 -2.77315944]
 Sample 408: [2.69095884 1.04620413 0.13544851 2.81591829 2.39071082
 -1.97195366
 2.93723959 -1.02714643 -2.23186633 0.76965677 -0.57519673 3.72259741
 4.96893702 -0.82138627 1.25006286 -2.72069325]
 Sample 409: [2.67092337 0.99065774 0.13903833 2.88347901 2.49479668
 -1.9767871
 2.99155969 -1.05940413 -2.29383881 0.73851937 -0.57454609 3.68101765
 4.97612337 -0.73690575 1.20213738 -2.74542485]
 Sample 410: [2.59184984 0.93294851 0.14895591 2.86441168 2.48289063
 -1.94838558
 3.04737942 -1.12958528 -2.23549618 0.75991501 -0.65597856 3.61760907
 4.9026186 -0.71159459 1.19067875 -2.71833365]
 Sample 411: [2.62397747 0.96099118 0.1533792 2.83776805 2.48542176
 -1.97859903
 3.0566444 -1.11370741 -2.17150026 0.75478047 -0.75660398 3.69935754
 4.84073655 -0.80542713 1.2387791 -2.75647895]
 Sample 412: [2.59295619 0.89497901 0.14958512 2.9023723 2.47293914
 -2.01626439
 2.99287779 -1.11330772 -2.21478246 0.69860042 -0.79781881 3.68402851
 4.79062833 -0.83068956 1.29732545 -2.73925284]
 Sample 413: [2.54901913 0.97028956 0.16746485 2.91355757 2.54533018
 -2.06328823
 2.94696282 -1.13990361 -2.22201679 0.60369413 -0.79814506 3.75610437
 4.81770155 -0.85925136 1.33608332 -2.77951603]
 Sample 414: [2.5656186 0.87222764 0.13713414 3.03089007 2.46988031
 -2.09639068
 2.97995263 -1.11152474 -2.28605381 0.60781466 -0.81021657 3.70781627
 4.88080252 -0.85417229 1.36866387 -2.80852532]

Sample 415: [2.53541676 0.95375218 0.15840469 3.05530262 2.40887799
 -2.09546795
 2.92497371 -1.13404377 -2.26854779 0.59174762 -0.79923097 3.60800882
 4.90342837 -0.75114827 1.29985257 -2.81341413]
 Sample 416: [2.53484088 0.92469053 0.1175093 3.06632413 2.38568146
 -2.11883364
 2.90927332 -1.09089913 -2.30934977 0.45364625 -0.81645614 3.64418546
 4.96340933 -0.74864188 1.32705805 -2.76782104]
 Sample 417: [2.56916295 0.8620832 0.15118898 3.04958294 2.3512839
 -2.16354311
 2.90058723 -1.1227242 -2.3094137 0.44904882 -0.7644204 3.65392199
 5.05950299 -0.75524851 1.41052582 -2.76775451]
 Sample 418: [2.61707395 0.94114091 0.12160442 3.02620483 2.29143874
 -2.16542328
 2.94469879 -1.0733312 -2.31840881 0.37762255 -0.7661037 3.59183661
 5.04841302 -0.76681869 1.43651571 -2.85414946]
 Sample 419: [2.5816911 0.88947024 0.1469706 3.08077185 2.20333928
 -2.10754095
 2.91201441 -1.13393209 -2.4386155 0.46069338 -0.73260939 3.60340415
 5.01921144 -0.83683333 1.35486219 -2.85158927]
 Sample 420: [2.55100982 0.85647688 0.17359326 3.01560603 2.20165295
 -1.97651236
 2.8520074 -1.30352601 -2.41799436 0.36308426 -0.76426431 3.62815418
 4.99894589 -0.77928884 1.43532112 -2.82957722]
 Sample 421: [2.59468538 0.85767081 0.19478063 3.01985196 2.24743264
 -2.00517584
 2.86222106 -1.35123745 -2.38644131 0.36714005 -0.74967537 3.63246909
 4.9990688 -0.88445608 1.41148233 -2.87253852]
 Sample 422: [2.55029871 0.86865485 0.19340722 3.01853309 2.2837195
 -2.10375248
 2.79201792 -1.33964 -2.34838904 0.34958414 -0.60903732 3.5675957
 4.98776937 -0.82617161 1.46271779 -2.85136942]
 Sample 423: [2.48787703 0.85633246 0.17484843 3.0402668 2.27937893
 -2.00666315
 2.8101943 -1.32823538 -2.32266603 0.2938836 -0.64685303 3.50025212
 5.03158274 -0.69886104 1.56290985 -2.75133182]
 Sample 424: [2.561329 0.83233556 0.18075487 3.0026284 2.25337748
 -1.95105446
 2.71847212 -1.36609978 -2.32886783 0.28693257 -0.67674781 3.52016303
 5.01674892 -0.73122686 1.61068759 -2.75646323]
 Sample 425: [2.6254092 0.86145591 0.17558677 3.03052158 2.29806998
 -1.97270469
 2.7153185 -1.32212605 -2.34198024 0.319947 -0.59999184 3.41957692
 5.01971766 -0.71607158 1.64178507 -2.77798783]
 Sample 426: [2.70711974 0.79483112 0.18438456 3.02425405 2.08658103
 -1.92200793
 2.6743214 -1.34742287 -2.35519796 0.28057603 -0.6060453 3.37655457
 4.99332677 -0.76721324 1.73998263 -2.80442654]

Sample 427: [2.69365408 0.84229203 0.19313479 3.03357686 2.17807055
 -1.88253149
 2.6131838 -1.35462532 -2.42963326 0.25105226 -0.6872558 3.36900278
 5.12583594 -0.73527213 1.73238486 -2.89654894]
 Sample 428: [2.65758852 0.77408788 0.17519589 2.98621646 2.27486117
 -1.90361051
 2.64468293 -1.34604138 -2.44594071 0.16674024 -0.70129326 3.29397733
 5.08379833 -0.75910041 1.87903538 -2.88037948]
 Sample 429: [2.64428657 0.79435627 0.20159938 2.99751115 2.27925452
 -1.92248474
 2.58124249 -1.34912086 -2.46836397 0.16138956 -0.72922677 3.2960255
 5.0612872 -0.64643432 1.91061921 -2.92762895]
 Sample 430: [2.63013264 0.8011636 0.17329002 3.05703858 2.26406975
 -1.84911545
 2.55956691 -1.30052925 -2.42239606 0.14618366 -0.72506316 3.25913088
 5.060667 -0.65003987 2.00940383 -2.91614153]
 Sample 431: [2.60355047 0.76384142 0.19455442 3.03518681 2.20188719
 -1.8579064
 2.55702051 -1.30429078 -2.43091379 0.12789641 -0.75948781 3.22496987
 5.06114083 -0.55642739 2.06753423 -2.99364391]
 Sample 432: [2.58722901 0.78667825 0.18562451 3.00937089 2.14941955
 -1.82236753
 2.58474127 -1.33212385 -2.40061917 0.14034488 -0.82314423 3.22572821
 5.11646794 -0.49338321 2.04007291 -2.92435013]
 Sample 433: [2.63356643 0.85244393 0.18729755 3.0260457 2.17175169
 -1.83331707
 2.62324658 -1.3252203 -2.38346601 0.22276177 -0.81994522 3.28224144
 5.08034095 -0.55396454 2.10095604 -2.94197795]
 Sample 434: [2.62184202 0.77363455 0.20716197 3.01612654 2.192653
 -1.71778766
 2.61829699 -1.35556589 -2.44172919 0.25710462 -0.87702967 3.31356422
 4.9937497 -0.50054521 2.08981275 -2.94188506]
 Sample 435: [2.54511902 0.81689851 0.2074381 2.90851121 2.16855782
 -1.68947116
 2.70612406 -1.41991794 -2.41238824 0.27068855 -0.94767966 3.29573234
 5.04318211 -0.49273056 2.14523514 -3.0043906]
 Sample 436: [2.56360986 0.7913834 0.19583309 2.90228622 2.2057004
 -1.73132533
 2.74014493 -1.31910564 -2.40536876 0.33182027 -1.0232916 3.16352874
 5.0138131 -0.47179695 2.16828006 -2.93936216]
 Sample 437: [2.57359695 0.86464792 0.20068076 2.83955814 2.23787587
 -1.70619277
 2.83054863 -1.32540311 -2.42451058 0.34197455 -1.0300568 3.08912566
 4.93278718 -0.51589235 2.08179556 -3.01702631]
 Sample 438: [2.56808147 0.84211302 0.24180069 2.8948533 2.24133393
 -1.75983347
 2.87931708 -1.39162669 -2.43591875 0.29102738 -0.96256295 3.10039325
 4.92338596 -0.40147199 2.06569696 -3.04276236]

Sample 439: [2.54866917 0.82232518 0.30382036 2.89584421 2.17909839
 -1.78937299
 2.91373751 -1.4389431 -2.37947794 0.27680744 -0.94272725 3.13791639
 4.79356067 -0.47215117 2.07949359 -3.01367382]
 Sample 440: [2.60521661 0.84568384 0.27956589 2.90223206 2.14642409
 -1.68308375
 2.91536759 -1.50103166 -2.45177622 0.35469234 -0.87784302 3.15267374
 4.82460662 -0.43729973 2.02973904 -2.97577333]
 Sample 441: [2.60318275 0.84054948 0.23617858 2.85898652 2.13210773
 -1.69738525
 2.8993212 -1.54491571 -2.47036222 0.38158318 -0.85402118 3.19460224
 4.8378984 -0.49299112 2.0155988 -2.92273518]
 Sample 442: [2.66773625 0.90144506 0.34266165 2.84644932 2.15816364
 -1.70465987
 2.95674298 -1.52442107 -2.51973213 0.34861151 -0.89864063 3.17962626
 4.78107444 -0.54634719 2.01216843 -3.00264708]
 Sample 443: [2.64360026 0.92211226 0.21955948 2.88899445 2.15456062
 -1.72763398
 2.95816622 -1.53490547 -2.48415488 0.22472142 -0.77708116 3.2170027
 4.74214798 -0.55139348 2.07055651 -2.98930424]
 Sample 444: [2.73636157 0.86573589 0.32660484 2.91591317 2.15809589
 -1.71326008
 2.97973742 -1.5286988 -2.46708846 0.21591678 -0.76345195 3.21331983
 4.72081106 -0.58853861 2.13560156 -3.05366173]
 Sample 445: [2.76769895 0.86248892 0.25913407 2.95418123 2.14542404
 -1.65971505
 2.95096912 -1.53060073 -2.42863962 0.1855744 -0.73995498 3.23808565
 4.65074772 -0.5619251 2.08239228 -3.04017068]
 Sample 446: [2.75551722 0.89159368 0.26573468 2.91189296 2.09563295
 -1.71524955
 2.95756609 -1.44218706 -2.43516544 0.20772119 -0.707135 3.20482138
 4.59226833 -0.67389578 2.10415157 -3.06668009]
 Sample 447: [2.74977836 0.83132016 0.29546224 2.84026708 2.0957038
 -1.7215049
 2.89019134 -1.49057432 -2.41615424 0.15101581 -0.65040374 3.25971175
 4.60935657 -0.71509517 2.12414456 -3.06838483]
 Sample 448: [2.73989351 0.80917097 0.26558198 2.85874438 2.11007126
 -1.7645245
 2.83717693 -1.54001456 -2.48266106 0.26228735 -0.52103186 3.24591874
 4.59787705 -0.78083524 2.14597511 -3.10507894]
 Sample 449: [2.73905336 0.83817917 0.30759958 2.8892844 2.054905
 -1.69311273
 2.83416446 -1.55609422 -2.43996669 0.20112921 -0.53410814 3.23183127
 4.57301331 -0.77715978 2.20436545 -3.04755452]
 Sample 450: [2.74680388 0.79408413 0.27083575 2.79041127 2.05295878
 -1.63235265
 2.84325356 -1.4914158 -2.52125612 0.26529499 -0.53659987 3.24145163
 4.63965515 -0.75429535 2.19825453 -3.06060682]

Sample 451: [2.79967736 0.82666685 0.29272178 2.7549318 1.97526131
 -1.73700107
 2.80727711 -1.42252997 -2.5426787 0.25365355 -0.53472036 3.27388201
 4.67252748 -0.77239273 2.17413897 -3.03099458]
 Sample 452: [2.77414388 0.79775386 0.22346139 2.79451907 1.94454592
 -1.84252399
 2.84800476 -1.46649237 -2.44846065 0.34128163 -0.45418622 3.21546078
 4.6963904 -0.69009908 2.27450899 -3.00551345]
 Sample 453: [2.68859181 0.83254327 0.29418713 2.79090544 1.9693903
 -1.76792121
 2.85876689 -1.51170763 -2.46152638 0.31984192 -0.47431533 3.14807429
 4.72598192 -0.70047469 2.31810513 -3.01526565]
 Sample 454: [2.71388935 0.8022327 0.25982676 2.7125356 2.01049201
 -1.73932302
 2.88667314 -1.49297949 -2.43634505 0.29712679 -0.52846793 3.1073979
 4.64668176 -0.69287373 2.31361691 -3.03006361]
 Sample 455: [2.69712649 0.82738543 0.30085156 2.70869817 1.95290753
 -1.72090148
 2.90342751 -1.53313358 -2.45477041 0.2391724 -0.52405789 3.1365136
 4.64169497 -0.77391183 2.28008192 -3.11279369]
 Sample 456: [2.71780939 0.85854331 0.25540993 2.71578708 2.00723062
 -1.67444258
 2.95848466 -1.51648804 -2.44251879 0.29458427 -0.51159202 3.03546811
 4.61447155 -0.78535377 2.27429244 -3.12252733]
 Sample 457: [2.72194322 0.84546512 0.28285021 2.65761431 2.06241594
 -1.63722564
 2.9732121 -1.46314582 -2.47558595 0.21731356 -0.49966469 3.11655901
 4.61801891 -0.80169047 2.27171687 -3.00009786]
 Sample 458: [2.70951286 0.89107127 0.31650738 2.67432753 1.99917536
 -1.69249517
 2.955092 -1.5935094 -2.43844494 0.18392873 -0.58158793 3.07103835
 4.62020436 -0.86480854 2.286816 -2.97397642]
 Sample 459: [2.6880205 0.87093481 0.31303565 2.57296019 2.07531472
 -1.63491547
 2.94916361 -1.6317817 -2.45039286 0.18922477 -0.64608153 3.18041392
 4.60334259 -0.88681992 2.24078223 -2.94389393]
 Sample 460: [2.70940377 0.81673449 0.30654842 2.59625319 2.15263373
 -1.65864086
 3.01335733 -1.60964269 -2.43860241 0.2097227 -0.69627768 3.10631605
 4.55656411 -0.8951608 2.23994305 -2.99535594]
 Sample 461: [2.6796478 0.88923906 0.26795185 2.62184007 2.09223572
 -1.72263717
 2.99932806 -1.58109464 -2.47334452 0.17581118 -0.68200927 3.07696809
 4.49258285 -0.86189523 2.26779244 -2.91002158]
 Sample 462: [2.69239968 0.88253596 0.29887914 2.70422596 2.08766631
 -1.66459219
 2.98369873 -1.52752982 -2.55422447 0.17411589 -0.68626285 3.02758837
 4.45714022 -0.86174582 2.18380113 -2.80085823]

Sample 463: [2.57943229 0.83967547 0.29048131 2.67845153 2.07172491
-1.64505894
3.0037841 -1.46889511 -2.59925419 0.17714245 -0.67392625 3.06326229
4.51439512 -0.81850661 2.18003 -2.81434934]

Sample 464: [2.60327546 0.89814094 0.28639319 2.71949628 2.10064996
-1.70363779
3.04019267 -1.41721857 -2.5467501 0.17390194 -0.68003978 3.00915069
4.56036459 -0.91659294 2.15948879 -2.79263588]

Sample 465: [2.55141787 0.8943672 0.26208113 2.75755753 2.02915788
-1.65174453
3.04845966 -1.32180209 -2.61444284 0.12700988 -0.59155735 3.09518211
4.60465145 -0.85827812 2.13475308 -2.80082115]

Sample 466: [2.46444962 0.87570899 0.27455965 2.7565624 1.97350701
-1.71559686
3.03401735 -1.35727207 -2.61802921 0.03045889 -0.51988539 3.06418939
4.48370808 -0.92449914 2.20143818 -2.90640959]

Sample 467: [2.55881536 0.84818814 0.24065142 2.8020778 1.9533564
-1.69797175
3.02907875 -1.34941045 -2.67865607 0.11675961 -0.48215601 3.02993559
4.45803572 -0.88313081 2.27265985 -2.94338901]

Sample 468: [2.52470071 0.8898642 0.22609606 2.85968349 1.98998345
-1.70098185
3.0316566 -1.3053917 -2.69302969 0.1855784 -0.55872151 3.01313301
4.47648542 -1.0316359 2.31871443 -2.95826757]

Sample 469: [2.47483598 0.83214627 0.27237083 2.83086778 2.10346977
-1.73857274
3.01409509 -1.31575934 -2.66783586 0.21132604 -0.58267802 3.07600567
4.48197586 -1.11358677 2.26108576 -2.98187965]

Sample 470: [2.4504823 0.89390458 0.25725301 2.80727384 2.11829529
-1.72592033
3.12957358 -1.3631771 -2.59988714 0.22768805 -0.55254791 3.03583232
4.47082658 -1.07715767 2.19853674 -2.95253716]

Sample 471: [2.44239186 0.88527422 0.23661984 2.74639328 2.11368516
-1.80141989
3.16753281 -1.34144838 -2.55576883 0.21462844 -0.51170054 2.97469775
4.39616384 -1.10683284 2.2670261 -3.00365541]

Sample 472: [2.45628075 0.90380129 0.26352835 2.83154709 2.11049668
-1.7929273
3.19135458 -1.36650407 -2.60620131 0.30773058 -0.51026758 2.9270953
4.412014 -1.13548517 2.17430968 -2.93825623]

Sample 473: [2.44738546 0.8932545 0.24253316 2.91404504 2.11688663
-1.792931
3.26152478 -1.38276305 -2.63758051 0.35957751 -0.506932 2.96857822
4.3738424 -1.05986983 2.26201368 -3.00732709]

Sample 474: [2.51484645 0.93630893 0.28512132 2.88753064 2.17850887
-1.81191177
3.22054703 -1.34515533 -2.55393605 0.40799874 -0.55997091 2.95905413
4.40569717 -0.99828597 2.20584703 -3.03132699]

Sample 475: [2.42313005 0.85328084 0.19213223 2.82984372 2.20617735
 -1.70088292
 3.22952995 -1.24892085 -2.58995702 0.43580025 -0.48330084 2.91018262
 4.41992432 -1.01961904 2.191198 -3.08125475]
 Sample 476: [2.4398674 0.88499819 0.27975956 2.90530683 2.20630131
 -1.60073508
 3.25662412 -1.25689366 -2.61578533 0.43995691 -0.50041047 2.9352642
 4.42263715 -1.05961326 2.1752163 -3.11420778]
 Sample 477: [2.48229302 0.93356589 0.20172724 2.82328621 2.23613688
 -1.65449697
 3.22909771 -1.26475339 -2.5383105 0.39678411 -0.50294984 2.84686683
 4.4365257 -0.95724554 2.15145457 -3.01552498]
 Sample 478: [2.52560354 0.88675465 0.25145734 2.9140521 2.2485803
 -1.71781712
 3.30821011 -1.3000232 -2.51182282 0.43116765 -0.45352281 2.80639493
 4.49452646 -0.90832478 2.16444206 -2.99394871]
 Sample 479: [2.41876364 0.93816888 0.24613975 2.94192346 2.24863072
 -1.67864566
 3.33599942 -1.33872126 -2.48385392 0.50630221 -0.48412793 2.87865008
 4.5812979 -0.81269056 2.12541091 -2.8915491]
 Sample 480: [2.45699992 0.94793123 0.21737197 2.93762238 2.31816215
 -1.57443545
 3.32960651 -1.33617119 -2.42709915 0.50678251 -0.45982371 2.79315274
 4.63128953 -0.78929009 2.2016898 -2.92393786]
 Sample 481: [2.47528726 0.93613542 0.24431199 2.87862124 2.33101378
 -1.61491727
 3.36287421 -1.35717583 -2.43026576 0.54959347 -0.40343523 2.80925117
 4.65661926 -0.78971843 2.20042534 -2.94330951]
 Sample 482: [2.48323933 0.89091154 0.22418656 2.79671116 2.37462227
 -1.64534621
 3.25447296 -1.39954049 -2.4789568 0.51223138 -0.35077004 2.71928786
 4.65706817 -0.70943079 2.17369532 -2.99501488]
 Sample 483: [2.47876662 0.93669914 0.25684921 2.82056156 2.31033116
 -1.6950602
 3.22908702 -1.36472666 -2.43378951 0.53091913 -0.22791422 2.67222714
 4.69211475 -0.73009356 2.21133331 -2.96547526]
 Sample 484: [2.53277635 0.91603922 0.2813925 2.83446926 2.32188345
 -1.79013092
 3.2546154 -1.30951161 -2.44922644 0.58368053 -0.18927002 2.64078298
 4.74618783 -0.80918357 2.16389529 -3.0044136]
 Sample 485: [2.54202823 0.98078433 0.22754048 2.87810351 2.32841294
 -1.86434518
 3.23948242 -1.31471047 -2.35058169 0.56214488 -0.18639546 2.63101464
 4.74741675 -0.83601162 2.0592039 -3.09911102]
 Sample 486: [2.52145532 0.89745761 0.27152801 2.84128202 2.32038344
 -1.83232477
 3.16613663 -1.25289958 -2.28218199 0.56219636 -0.2138168 2.51174193
 4.8099433 -0.81902902 2.15621148 -3.13843708]

Sample 487: [2.47368707 0.91171122 0.23849003 2.8543848 2.23713721
 -1.85537709
 3.22102456 -1.26063837 -2.3027895 0.62404799 -0.19635962 2.48201861
 4.89797413 -0.72472685 2.11985344 -3.11890182]
 Sample 488: [2.47659319 0.82166187 0.19191707 2.83712334 2.23810926
 -1.79631882
 3.21696898 -1.37696489 -2.33107127 0.55548165 -0.23314451 2.37370335
 4.93645001 -0.74037995 2.10852857 -3.07798573]
 Sample 489: [2.49317039 0.83668094 0.26779594 2.88359952 2.24895375
 -1.74525383
 3.21680142 -1.40893858 -2.3574802 0.57758867 -0.22628533 2.36397004
 4.9447045 -0.792271 2.11202651 -3.09813069]
 Sample 490: [2.40590068 0.81449834 0.20607121 2.83763522 2.2686622
 -1.71899692
 3.11115263 -1.44821623 -2.37013205 0.60892752 -0.28702892 2.36837444
 4.99300449 -0.82679359 2.06757841 -3.05128045]
 Sample 491: [2.38103578 0.86173941 0.27528938 2.79400572 2.25796127
 -1.74698026
 3.05227378 -1.47953247 -2.28653052 0.63953945 -0.30926593 2.36834755
 4.98174479 -0.80004796 2.05755102 -3.12004504]
 Sample 492: [2.34196004 0.8215008 0.21019135 2.81967752 2.30163258
 -1.67896852
 3.13712731 -1.45833545 -2.31292048 0.63480756 -0.32397147 2.39992897
 4.99721278 -0.85968702 1.97103325 -3.07265255]
 Sample 493: [2.31660336 0.82528298 0.31521908 2.76085044 2.33510811
 -1.58578057
 3.14614284 -1.48889901 -2.33650603 0.72236258 -0.31370541 2.42816797
 5.00887951 -0.91143946 1.95225817 -3.1445379]
 Sample 494: [2.34295049 0.85088236 0.24915348 2.69612275 2.31041847
 -1.60631358
 3.02806726 -1.52358762 -2.41811563 0.84554421 -0.34769558 2.45972914
 5.00961603 -0.8910222 1.8738227 -3.17757161]
 Sample 495: [2.39366751 0.83773323 0.27543892 2.65106245 2.34811586
 -1.59297462
 2.95431542 -1.46447443 -2.43825578 0.78453144 -0.36161139 2.44206496
 5.0324072 -0.92685629 1.84423868 -3.1465566]
 Sample 496: [2.40397874 0.81757638 0.22062289 2.61645057 2.29114499
 -1.58325633
 2.82199316 -1.50999217 -2.40604527 0.88085137 -0.3250067 2.36189725
 5.13064126 -0.94511549 1.89352567 -3.14813364]
 Sample 497: [2.40113111 0.73110828 0.29206855 2.64362282 2.30033221
 -1.55992343
 2.83012924 -1.55891645 -2.47517882 0.89556277 -0.37714251 2.30968082
 5.09920991 -0.96813288 1.96832846 -3.11869139]
 Sample 498: [2.46082114 0.78389486 0.29144483 2.73346386 2.35246574
 -1.53331466
 2.88671004 -1.52264935 -2.50435418 0.97782403 -0.4106444 2.21268989
 5.06029586 -1.03214311 1.9798737 -3.0666098]

Sample 499: [2.52049753 0.78465792 0.22324387 2.6723737 2.21860283
 -1.56418819
 2.81960864 -1.50317643 -2.54819679 1.01486055 -0.40243417 2.18649355
 5.07338032 -0.95354646 2.02930815 -3.06095328]
 Sample 500: [2.50276277 0.73074747 0.25866537 2.68694921 2.28440857
 -1.59784015
 2.83727084 -1.4237155 -2.57847694 0.94903624 -0.4443064 2.18981119
 5.11311169 -0.95961868 2.00316127 -3.11216585]
 Sample 501: [2.45323713 0.77370601 0.20484303 2.72334798 2.42210978
 -1.68806338
 2.80489273 -1.4769162 -2.55410764 0.98383127 -0.38206317 2.20084994
 5.19165305 -0.87524272 1.96940955 -3.14351638]
 Sample 502: [2.47487564 0.74891223 0.26579398 2.73126473 2.35357209
 -1.68045691
 2.80761309 -1.5023633 -2.44123771 1.03135201 -0.43830842 2.18125167
 5.20135331 -0.9032974 1.88052398 -3.10440115]
 Sample 503: [2.48393544 0.80248053 0.22543622 2.76836753 2.32022848
 -1.65591482
 2.88402908 -1.54690196 -2.4005729 1.08146941 -0.36064495 2.12199447
 5.25716984 -0.90503642 1.90113424 -3.12611694]
 Sample 504: [2.56030509 0.74187365 0.28876758 2.74118046 2.38750759
 -1.58733814
 2.84663572 -1.4566052 -2.40514343 1.16696018 -0.40871104 2.22031862
 5.20947403 -0.92145668 1.97584287 -3.20630121]
 Sample 505: [2.68534463 0.75701857 0.29256317 2.67377711 2.42422316
 -1.63137159
 2.84090257 -1.58080621 -2.4095737 1.19131605 -0.40842833 2.21922998
 5.12556588 -0.9534757 2.0122912 -3.22006979]
 Sample 506: [2.71689757 0.7228662 0.27743333 2.71496849 2.44742542
 -1.57371648
 2.80258808 -1.61599832 -2.36521702 1.1957336 -0.38077427 2.21044962
 5.12848318 -0.99892488 2.08497157 -3.23418521]
 Sample 507: [2.81500106 0.75189984 0.33167937 2.77577106 2.51933738
 -1.61375083
 2.75289421 -1.55123007 -2.4266597 1.1964236 -0.28367091 2.21562598
 5.14160527 -1.08398686 2.16528664 -3.2270979]
 Sample 508: [2.7955131 0.6943136 0.26892407 2.8061235 2.53593816
 -1.61992117
 2.73129294 -1.53274138 -2.4841668 1.1798759 -0.19578527 2.22112504
 5.14767086 -1.12882781 2.2086204 -3.25192268]
 Sample 509: [2.7115987 0.73288219 0.24968426 2.80853431 2.49989419
 -1.55839332
 2.71946288 -1.56902328 -2.4605451 1.16969223 -0.23507901 2.22133313
 5.19385555 -1.0736048 2.23976466 -3.26702163]
 Sample 510: [2.7368643 0.71205943 0.28358761 2.67371606 2.48533368
 -1.5532289
 2.6140108 -1.57023494 -2.41074519 1.15781976 -0.19292984 2.21851835
 5.21886634 -1.08453476 2.23469626 -3.23973949]

Sample 511: [2.73259449 0.76676305 0.24328575 2.71293024 2.47791725
 -1.66380184
 2.6775741 -1.61453304 -2.48322702 1.16959655 -0.0916203 2.10844174
 5.27354213 -1.15319232 2.27879722 -3.21604397]
 Sample 512: [2.61435529 0.6934501 0.28375452 2.79610318 2.49908471
 -1.74449299
 2.71241815 -1.56840297 -2.52453909 1.05012944 -0.08792992 2.16284711
 5.28601508 -1.21544754 2.30178828 -3.22446474]
 Sample 513: [2.57798178 0.72339517 0.33303985 2.73612496 2.57469542
 -1.77672884
 2.69395166 -1.56974415 -2.52285082 1.03066523 -0.15415413 2.16496557
 5.220508 -1.28592383 2.24974379 -3.23755973]
 Sample 514: [2.62449717 0.69095203 0.2327452 2.72622896 2.62564016
 -1.78374478
 2.68413511 -1.57365749 -2.488581 1.02979485 -0.14574093 2.07699213
 5.15336392 -1.26769657 2.25426209 -3.18594446]
 Sample 515: [2.63876815 0.74334757 0.27685363 2.74642268 2.63194776
 -1.72686776
 2.68441841 -1.49733316 -2.45371254 1.01763052 -0.06898219 2.05256811
 5.174543 -1.36818389 2.29970688 -3.22199525]
 Sample 516: [2.57243489 0.68869922 0.30681532 2.81911457 2.60183476
 -1.80136751
 2.69284943 -1.61194136 -2.41169286 1.07365693 -0.16590656 2.07700891
 5.17942625 -1.35632102 2.28512693 -3.25589092]
 Sample 517: [2.59302273 0.72399856 0.26885836 2.85311021 2.7117491
 -1.82345184
 2.71637539 -1.65131556 -2.40201592 1.10407222 -0.14254839 2.12250692
 5.1027895 -1.38365805 2.37866932 -3.25105557]
 Sample 518: [2.57935983 0.71051176 0.28497442 2.88679508 2.75399256
 -1.80071635
 2.67230187 -1.52759732 -2.32914002 1.15410139 -0.06713834 2.09787081
 5.09538345 -1.36589893 2.29418982 -3.29367175]
 Sample 519: [2.50446216 0.71321152 0.23419906 2.8322201 2.7062179
 -1.84428265
 2.72669748 -1.51819687 -2.27346839 1.2022855 -0.0835113 2.14849808
 5.17562012 -1.35681614 2.25926532 -3.27769352]
 Sample 520: [2.3955216 0.7006352 0.28074545 2.79392344 2.66456132
 -1.84925331
 2.67061171 -1.44671838 -2.29104788 1.16698061 -0.12224597 2.24123322
 5.09813373 -1.3244846 2.25129785 -3.30461466]
 Sample 521: [2.39556578 0.78303977 0.21493235 2.72811752 2.68505868
 -1.81895194
 2.69748343 -1.44943363 -2.37803647 1.12132829 -0.19834753 2.23825209
 5.12546023 -1.33745943 2.20061242 -3.31763788]
 Sample 522: [2.44190597 0.7059632 0.30397647 2.69079796 2.75396402
 -1.77385111
 2.61509529 -1.52945833 -2.36584526 1.16070072 -0.18991192 2.2457905
 5.120893 -1.3480962 2.2445403 -3.34411949]

Sample 523: [2.45885032 0.71092454 0.23709837 2.61844261 2.77015072
-1.66844187
2.69016803 -1.51716358 -2.45060028 1.20417066 -0.22638406 2.26902237
5.19338172 -1.37103923 2.32047214 -3.31686464]
Sample 524: [2.48772934 0.72926882 0.28921361 2.59933653 2.71050312
-1.64077956
2.5870569 -1.57286572 -2.51079093 1.25885423 -0.28080797 2.27938929
5.20242609 -1.42660649 2.28862486 -3.27380655]
Sample 525: [2.3800798 0.70168524 0.26484699 2.58740469 2.64324399
-1.71932954
2.65605952 -1.60517491 -2.54730428 1.25289742 -0.27062493 2.29525821
5.22868973 -1.45175843 2.23051009 -3.3094481]
Sample 526: [2.34179816 0.69781234 0.26566705 2.59279915 2.56570153
-1.90139251
2.57180207 -1.49561315 -2.582361 1.1901357 -0.27355127 2.17675127
5.1803011 -1.56215419 2.26333753 -3.28916767]
Sample 527: [2.43986756 0.67108602 0.25749392 2.6110242 2.56144475
-1.94022271
2.59969292 -1.51080141 -2.60970292 1.03457769 -0.23391263 2.1625512
5.14134303 -1.52902587 2.23768016 -3.33753385]
Sample 528: [2.42808213 0.68811968 0.29485141 2.60851575 2.54911251
-1.97073518
2.49845208 -1.48484323 -2.62160511 1.00027775 -0.24733468 2.13908968
5.13164292 -1.52244966 2.31371089 -3.3709841]
Sample 529: [2.42202359 0.69106724 0.24775718 2.63645542 2.45819854
-2.12240804
2.53278221 -1.52559745 -2.61256498 1.08588379 -0.28450919 2.14559442
5.18362918 -1.49807996 2.32171517 -3.44567638]
Sample 530: [2.50497353 0.63124149 0.26118284 2.59687826 2.53002411
-2.15737337
2.59237487 -1.41334092 -2.57740339 1.10313724 -0.20545443 2.14469219
5.08816711 -1.60349132 2.28378783 -3.36337069]
Sample 531: [2.45722104 0.68000245 0.26513337 2.66280039 2.49550815
-2.07297745
2.58620718 -1.47202272 -2.63276797 1.20877867 -0.15516564 2.0813581
5.10613279 -1.53797635 2.35280076 -3.39728569]
Sample 532: [2.44974124 0.6905474 0.26766026 2.62852726 2.54629942
-2.03825472
2.56966102 -1.44178828 -2.6331845 1.21584252 -0.14823654 1.96703556
5.03846439 -1.52952563 2.36839939 -3.40645947]
Sample 533: [2.44917898 0.65572861 0.28135201 2.64568385 2.57181396
-1.98516171
2.55185863 -1.48269356 -2.5111963 1.33121718 -0.17066606 1.92748535
5.06384768 -1.58495134 2.36843175 -3.38189379]
Sample 534: [2.3966951 0.61497966 0.26657288 2.6535885 2.60661813
-1.92918887
2.50255034 -1.50411907 -2.4995552 1.2799693 -0.14787207 1.96127991
5.09922579 -1.47532051 2.37318509 -3.35539048]

Sample 535: [2.35914247 0.70899374 0.26166164 2.61665857 2.64442959
 -1.94656706
 2.50031931 -1.54342341 -2.51358831 1.24347909 -0.09548552 2.02473453
 5.10723221 -1.47160545 2.43375168 -3.33605324]
 Sample 536: [2.36651229 0.67213781 0.29039227 2.56092062 2.60650975
 -1.97572815
 2.57005484 -1.54543014 -2.47358443 1.23736454 -0.0299382 2.12187213
 5.08553983 -1.41988018 2.38195419 -3.3763824]
 Sample 537: [2.27194596e+00 6.76468231e-01 2.85911669e-01 2.51402929e+00
 2.72542934e+00 -2.01635256e+00 2.60734108e+00 -1.51488560e+00
 -2.48722036e+00 1.28887702e+00 3.28387769e-03 2.15169349e+00
 5.17876676e+00 -1.38736926e+00 2.23728874e+00 -3.39211885e+00]
 Sample 538: [2.40729162 0.70521541 0.27104658 2.57102918 2.66436248
 -1.98134508
 2.68278769 -1.5283514 -2.45943672 1.29187803 0.01126612 2.08865165
 5.12534498 -1.34888076 2.21927434 -3.34181398]
 Sample 539: [2.51788095 0.6527584 0.29803779 2.52722481 2.6985598
 -1.90917907
 2.66793106 -1.54983272 -2.43369412 1.27642327 0.06670998 1.98194673
 5.0485116 -1.37391945 2.2581949 -3.32371119]
 Sample 540: [2.48605967 0.73690788 0.24384738 2.50432272 2.70085593
 -1.88338041
 2.66246435 -1.52060651 -2.50410118 1.17367499 0.0104236 2.06192822
 5.02926262 -1.40848431 2.21133747 -3.32154877]
 Sample 541: [2.51951604 0.70313839 0.27534658 2.46598636 2.71877337
 -1.88798691
 2.65585771 -1.47441903 -2.52008498 1.22640851 -0.01909552 2.08561208
 5.0626167 -1.49224073 2.28413921 -3.29010116]
 Sample 542: [2.46947729 0.75614997 0.20004941 2.47173546 2.68857824
 -1.92122766
 2.66096557 -1.35960498 -2.57132415 1.13313537 -0.05540924 2.14425562
 5.11699702 -1.44335395 2.27379704 -3.26237658]
 Sample 543: [2.47792552 0.65012006 0.23679247 2.45091099 2.66944591
 -1.90290109
 2.54194362 -1.34493781 -2.43401471 1.1252022 -0.0348225 2.19912087
 5.09214555 -1.4618122 2.26957676 -3.22642028]
 Sample 544: [2.34575137 0.72842242 0.20255606 2.40927906 2.72345011
 -1.92237023
 2.57437209 -1.39240659 -2.40044072 1.20670498 0.00955933 2.20700579
 5.13388068 -1.4846062 2.30669554 -3.23391788]
 Sample 545: [2.32598568 0.72027062 0.2422502 2.42241729 2.61834742
 -1.90247045
 2.60183822 -1.36712947 -2.35427639 1.22081206 0.0769844 2.26027331
 5.06708256 -1.56923723 2.2972107 -3.20831866]
 Sample 546: [2.29986598 0.74852977 0.20557471 2.41580621 2.64637851
 -1.86305302
 2.5619086 -1.38813127 -2.44848709 1.24495753 0.11331244 2.32193726
 5.11364478 -1.46239073 2.13331816 -3.26664229]

Sample 547: [2.31660008 0.69853236 0.2768022 2.43497645 2.6217684
 -1.91689143
 2.56136454 -1.3540483 -2.36525605 1.26940279 0.14190134 2.28449469
 5.06868844 -1.51795415 2.18808179 -3.22782793]
 Sample 548: [2.27637999 0.68187601 0.21434677 2.53378254 2.71115333
 -2.00231262
 2.58482624 -1.38238297 -2.35684213 1.31912366 0.10096765 2.27307259
 5.05203808 -1.58648617 2.21151206 -3.29539072]
 Sample 549: [2.21943848 0.75011049 0.23833502 2.5132409 2.6842033
 -2.03167214
 2.67362325 -1.33221213 -2.37145877 1.37060127 0.04805251 2.30545265
 5.02387625 -1.5125692 2.16291198 -3.28877536]
 Sample 550: [2.20382327 0.7260447 0.30033602 2.52971641 2.66001754
 -1.99483312
 2.75420239 -1.38449025 -2.35430724 1.31107879 0.12015982 2.30093626
 5.02128794 -1.40827979 2.15316599 -3.28558321]
 Sample 551: [2.19802544 0.74668034 0.23871098 2.52862651 2.5152214
 -1.98672516
 2.7772207 -1.47240768 -2.43008038 1.37186008 0.12154672 2.33507118
 5.01949874 -1.35012304 2.09451536 -3.32039496]
 Sample 552: [2.27428666 0.75565906 0.29494867 2.52376504 2.45543502
 -1.97379171
 2.72196558 -1.52545291 -2.53427608 1.35731601 0.02340849 2.37446437
 5.0290436 -1.39644687 2.09006585 -3.29011731]
 Sample 553: [2.29722533 0.69930611 0.25522165 2.45794507 2.49177291
 -1.97759191
 2.71635575 -1.53300983 -2.58500193 1.37312443 0.0157623 2.39040122
 4.99878003 -1.43467071 2.08776565 -3.22899488]
 Sample 554: [2.32196612 0.72622379 0.2877184 2.39790295 2.61968341
 -1.99322976
 2.75168907 -1.48722428 -2.61084302 1.32377126 0.06165274 2.35038029
 4.92383488 -1.50105745 2.04516095 -3.32642267]
 Sample 555: [2.35618153 0.69577515 0.25059521 2.36483618 2.63277241
 -1.98727362
 2.76559618 -1.49396906 -2.62395511 1.29202219 0.02252571 2.39309246
 5.03030876 -1.50515729 2.08114044 -3.32863305]
 Sample 556: [2.39178434 0.81299501 0.31091221 2.29403667 2.73368678
 -2.09071282
 2.82508366 -1.53609042 -2.60906674 1.28170454 0.02109046 2.38909062
 5.04597945 -1.40896461 2.1112332 -3.32801817]
 Sample 557: [2.4932995 0.74712558 0.26822615 2.31164684 2.72793442
 -2.12217922
 2.91166643 -1.44943313 -2.6148897 1.27363502 0.07819827 2.31503611
 4.96835913 -1.36203279 2.06139224 -3.39523778]
 Sample 558: [2.6104967 0.73324897 0.25619802 2.19006746 2.68287793
 -2.08837802
 2.94046558 -1.49818955 -2.54775043 1.26346771 0.03513586 2.33274543
 5.04781675 -1.32739138 2.08830208 -3.36287745]

Sample 559: [2.66113755 0.77639858 0.30969445 2.16054036 2.70509145
 -2.16052631
 2.99691957 -1.55180795 -2.54405757 1.14255135 0.07882332 2.31776794
 5.05251575 -1.37001518 2.0381622 -3.39017176]
 Sample 560: [2.60234871 0.74356625 0.27614334 2.13281626 2.6046923
 -2.14214531
 2.97767073 -1.53244923 -2.5768818 1.13280914 0.09174171 2.227854
 5.02357263 -1.3262481 1.93987306 -3.40473192]
 Sample 561: [2.57251041 0.79475022 0.25905922 2.0335111 2.55944021
 -2.1176584
 2.91692357 -1.45266646 -2.60895928 1.14998266 0.17106466 2.17330867
 5.03432435 -1.36026772 1.99424123 -3.32276915]
 Sample 562: [2.54687596 0.78566548 0.25241564 2.0173209 2.53747398
 -2.08899326
 2.98171957 -1.45113462 -2.55981858 1.14667451 0.16599131 2.15605227
 4.92439093 -1.42523047 1.98876086 -3.31514498]
 Sample 563: [2.56852634 0.75870002 0.25108375 2.00364873 2.61635962
 -1.98327207
 3.00689866 -1.39379907 -2.55189225 1.13922972 0.17244504 2.11376635
 4.90593267 -1.52565564 1.96192061 -3.3476158]
 Sample 564: [2.53448687 0.78564564 0.2702845 1.96458576 2.63807387
 -2.01990911
 3.03168072 -1.42348647 -2.50645784 1.10424777 0.21924481 2.10578962
 4.95466185 -1.48731181 1.92254416 -3.37913293]
 Sample 565: [2.54755696 0.80699632 0.24461521 1.93621086 2.63412506
 -1.96486134
 2.96973223 -1.42388224 -2.56327847 1.06834479 0.29431628 2.07321744
 5.00201055 -1.4690477 1.96637824 -3.33401989]
 Sample 566: [2.62354159 0.73383597 0.23985759 1.96666372 2.66552544
 -1.92397135
 2.95235785 -1.39570399 -2.49485925 1.09660595 0.28040893 2.05090121
 5.00887694 -1.49987391 2.00825402 -3.34469514]
 Sample 567: [2.58276804 0.78359349 0.24339349 1.95698187 2.5964359
 -1.96195581
 3.00749222 -1.35478191 -2.4705951 1.21761733 0.26908225 2.09008282
 5.08694416 -1.48589184 1.94996436 -3.35194911]
 Sample 568: [2.48205761 0.76426807 0.27471757 1.96328118 2.5867418
 -1.946843
 3.08335082 -1.41312778 -2.52647076 1.15145085 0.15355404 2.12115655
 5.05443949 -1.45642679 1.88797551 -3.31024241]
 Sample 569: [2.40930841 0.81089381 0.21504936 1.8973486 2.56778797
 -1.90976475
 3.1136927 -1.4208537 -2.63215749 1.13201686 0.1648758 2.09812151
 5.0614181 -1.40212896 1.96863305 -3.35592745]
 Sample 570: [2.39795163 0.78590181 0.30297197 1.90739257 2.50811312
 -1.91446469
 3.06596245 -1.46395431 -2.65840876 1.10307448 0.16307982 2.02524554
 5.05313627 -1.4502632 2.09549196 -3.30584602]

Sample 571: [2.3870433 0.74044576 0.25923041 1.79322606 2.45664576
 -1.90563596
 3.05328236 -1.49374138 -2.64316554 1.13787551 0.1403949 2.07308041
 5.01643956 -1.4701204 2.16900064 -3.3211443]
 Sample 572: [2.44731751 0.85119204 0.33169531 1.79743449 2.45602272
 -1.92557514
 3.07052733 -1.54331259 -2.68850189 1.20864855 0.2297078 2.09900122
 5.08608885 -1.47264445 2.18166457 -3.27076495]
 Sample 573: [2.51099051 0.76174115 0.21427469 1.8109391 2.48506329
 -1.84158148
 3.0796181 -1.49881614 -2.67530119 1.22371017 0.21974705 2.08040158
 5.08473601 -1.49633454 2.22142737 -3.28942609]
 Sample 574: [2.55938231 0.80975147 0.31372923 1.73947426 2.55046343
 -1.88936467
 3.09505855 -1.49407731 -2.69922422 1.25212741 0.19984152 2.12130912
 5.14764364 -1.45929798 2.37982149 -3.25169951]
 Sample 575: [2.6022322 0.83517501 0.24986789 1.76272402 2.63908709
 -1.8764484
 3.07575831 -1.58434409 -2.76227083 1.21210298 0.26479397 2.11610272
 5.16011282 -1.53020694 2.35874589 -3.22901987]
 Sample 576: [2.60015008 0.80579514 0.26332617 1.71182449 2.59983359
 -1.81435954
 3.09136355 -1.5238359 -2.77940112 1.22432852 0.32460707 2.08819639
 5.12602767 -1.49345151 2.28219323 -3.17419749]
 Sample 577: [2.62340459 0.82558992 0.24720951 1.66932827 2.61093495
 -1.71564181
 3.11196341 -1.51893087 -2.63135282 1.20686761 0.29674138 1.98123247
 5.20753817 -1.44563313 2.19859813 -3.29728745]
 Sample 578: [2.56739787 0.80206371 0.27997111 1.69846614 2.57619745
 -1.64011101
 3.19570863 -1.48372642 -2.60147288 1.17015112 0.37412858 1.99379136
 5.17507989 -1.41709607 2.12882332 -3.37517973]
 Sample 579: [2.49058437 0.68030059 0.26220107 1.74568489 2.63782709
 -1.65092208
 3.17704593 -1.55744236 -2.6328559 1.11540371 0.30278696 1.99581523
 5.09095571 -1.41142098 2.17302545 -3.46621359]
 Sample 580: [2.49548867 0.81993203 0.31602822 1.70338702 2.63601021
 -1.61510553
 3.13594509 -1.58079777 -2.69263756 1.12658432 0.31040947 1.91782362
 5.10934671 -1.34989378 2.13042209 -3.50230433]
 Sample 581: [2.49309054 0.76753693 0.2825039 1.71265712 2.65318809
 -1.56281801
 3.13303196 -1.64290434 -2.68006468 1.10962819 0.37441337 1.83610135
 5.10334282 -1.33223944 2.15014005 -3.53503549]
 Sample 582: [2.51724358 0.76462655 0.32864901 1.67396614 2.67817104
 -1.5441437
 3.1261621 -1.62451661 -2.73668239 1.14266826 0.34444625 1.80310863
 5.06873893 -1.29007492 2.14900106 -3.4506931]

Sample 583: [2.54010062 0.75697943 0.28637558 1.61164655 2.68659974
 -1.54456994
 3.11440048 -1.61698838 -2.7661493 1.11076044 0.3394668 1.8616917
 5.13503812 -1.31994995 2.17355962 -3.41318115]
 Sample 584: [2.54131552 0.7669279 0.32329859 1.55233149 2.69160574
 -1.51541632
 3.14031922 -1.58202853 -2.77894086 1.16927232 0.33351438 1.8576844
 5.13930642 -1.28099857 2.15616706 -3.34094904]
 Sample 585: [2.49382827 0.79023021 0.24378257 1.56823556 2.62478889
 -1.52753279
 3.08487527 -1.58684764 -2.75125172 1.18280201 0.28714059 1.85108882
 5.08713642 -1.30414268 2.09394591 -3.26772928]
 Sample 586: [2.48570348 0.7538063 0.30816494 1.53171704 2.61217122
 -1.48527864
 3.10762615 -1.53512162 -2.8334133 1.14375494 0.3090436 1.79260011
 5.14136194 -1.31416438 2.17635685 -3.25959014]
 Sample 587: [2.4472668 0.84670567 0.27208819 1.47290635 2.60915705
 -1.48738048
 3.10869924 -1.62607567 -2.75764503 1.21430009 0.30611326 1.79278821
 5.14443211 -1.21526471 2.16583655 -3.30026034]
 Sample 588: [2.49014082 0.84277532 0.28335549 1.42719084 2.59014428
 -1.46081335
 3.18268107 -1.6176135 -2.84707491 1.23140323 0.28333035 1.79874547
 5.18194277 -1.23598337 2.16676722 -3.26686747]
 Sample 589: [2.43908209 0.81471342 0.28338103 1.43954247 2.65011371
 -1.43308363
 3.18141059 -1.62603706 -2.76521212 1.25958224 0.32313789 1.80992265
 5.17638358 -1.16544696 2.19214874 -3.23380917]
 Sample 590: [2.5314993 0.80799778 0.26790822 1.47154441 2.59292721
 -1.45961222
 3.21371242 -1.62551643 -2.76504962 1.28827248 0.37334957 1.855237
 5.08257426 -1.16385057 2.20462865 -3.19919001]
 Sample 591: [2.53292359 0.79805611 0.28988196 1.53527547 2.56508978
 -1.4799303
 3.22559823 -1.55293433 -2.7949418 1.27167381 0.40063055 1.94122759
 5.02566323 -1.21928342 2.20433442 -3.32082032]
 Sample 592: [2.61517726 0.81253609 0.23811988 1.57811548 2.51927868
 -1.445923
 3.1818681 -1.48046518 -2.74049049 1.15185761 0.43098215 1.88637392
 5.05569955 -1.18814602 2.16740366 -3.29398122]
 Sample 593: [2.63445402 0.76999648 0.30216621 1.59266731 2.48189521
 -1.50253759
 3.15021225 -1.49121137 -2.7155105 1.16454626 0.41738673 1.86628394
 5.0468913 -1.16673629 2.13266651 -3.26691923]
 Sample 594: [2.66850793 0.80466059 0.21652321 1.65670012 2.53817057
 -1.56396209
 3.19835154 -1.46386236 -2.73953194 1.21417162 0.25490236 1.96117404
 5.05879067 -1.19787153 2.17288505 -3.30502791]

Sample 595: [2.68369929 0.83042374 0.28400573 1.68254309 2.59556882
 -1.57576382
 3.18284998 -1.42013191 -2.72561709 1.20183833 0.2754719 2.00003516
 5.00571627 -1.17768146 2.13960384 -3.25761563]
 Sample 596: [2.66368355 0.78908798 0.22491384 1.56195902 2.58810148
 -1.53103878
 3.26094493 -1.38995179 -2.74278527 1.24518753 0.27446929 1.95300865
 5.02234753 -1.22213668 2.21528333 -3.33355493]
 Sample 597: [2.73099826 0.80782638 0.30468083 1.55895809 2.57061078
 -1.48033309
 3.17902555 -1.39524016 -2.75890416 1.15803112 0.17881563 2.02405008
 5.10118985 -1.18190999 2.18446392 -3.3184669]
 Sample 598: [2.63579102 0.79037859 0.20593003 1.5781216 2.52718176
 -1.5154169
 3.1939141 -1.35934851 -2.81765274 1.15386093 0.16345277 1.93261748
 5.15769221 -1.17668719 2.17142138 -3.34223304]
 Sample 599: [2.67221749 0.83934796 0.24901744 1.57584407 2.53221728
 -1.51819589
 3.16871161 -1.38917311 -2.85480281 1.12481058 0.2032519 1.9826396
 5.12822629 -1.12569301 2.21284718 -3.35987756]
 Sample 600: [2.6727547 0.8280582 0.21121829 1.62546789 2.53197925
 -1.48772758
 3.16157924 -1.42814298 -2.80772969 1.14453392 0.2243164 1.91918611
 5.22836976 -1.10230554 2.16011157 -3.26730421]
 Sample 601: [2.61812907 0.8129404 0.2316319 1.57079759 2.5559051
 -1.4602672
 3.17245075 -1.40184997 -2.76432291 1.06262765 0.16028158 2.00569991
 5.23885315 -1.08991074 2.1825649 -3.20868035]
 Sample 602: [2.60832383 0.79711366 0.23116644 1.60971001 2.62020967
 -1.44088375
 3.0971825 -1.45137355 -2.7561845 1.03726555 0.16988413 2.01716083
 5.21808759 -1.09865607 2.29580357 -3.22761915]
 Sample 603: [2.63379068 0.78347611 0.2563295 1.58875516 2.63242053
 -1.44328603
 3.11916876 -1.40768665 -2.74753491 1.04997203 0.20444521 2.01362637
 5.17922933 -1.02947756 2.29965441 -3.28809323]
 Sample 604: [2.54700004 0.73684957 0.2281493 1.6021845 2.61373065
 -1.36977124
 3.02640756 -1.49098947 -2.77824382 1.11586593 0.17821281 1.99912737
 5.18624065 -1.02368 2.36048622 -3.35108057]
 Sample 605: [2.60067516 0.78224048 0.28216668 1.6009584 2.70252794
 -1.37796562
 3.07208635 -1.47817375 -2.78175462 1.20448472 0.18332913 1.92051756
 5.18531234 -0.98685652 2.3500976 -3.38164243]
 Sample 606: [2.51557206 0.76538426 0.29999984 1.57799075 2.73794035
 -1.39731108
 3.12076245 -1.57818583 -2.71034671 1.24513673 0.22391976 2.04202345
 5.25097597 -0.99880131 2.30195295 -3.32536543]

Sample 607: [2.56090347 0.77365626 0.28589733 1.57067688 2.71643401
 -1.42005389
 3.10281756 -1.55346829 -2.6294802 1.18546338 0.22348436 2.02993402
 5.2511089 -1.04503335 2.33049845 -3.41915259]
 Sample 608: [2.60004317 0.804275 0.24843615 1.65627938 2.73774611
 -1.42732407
 3.15888572 -1.55782884 -2.71120534 1.18703307 0.23228008 2.08904056
 5.26886386 -1.02048318 2.33400006 -3.35081239]
 Sample 609: [2.59682047 0.76561469 0.29009908 1.6758976 2.71062932
 -1.44540941
 3.10871258 -1.58933042 -2.72271182 1.22511483 0.20823227 2.14266165
 5.28704923 -1.0793916 2.45639959 -3.33983374]
 Sample 610: [2.63313431 0.83852188 0.30191641 1.71171617 2.77007215
 -1.48153051
 3.08128142 -1.62077411 -2.70272755 1.23326729 0.23382462 2.07298751
 5.26002732 -1.00653749 2.46862595 -3.39254668]
 Sample 611: [2.68918034 0.72592223 0.26369939 1.76538576 2.70332941
 -1.52415849
 3.09677647 -1.57108037 -2.69110296 1.25860846 0.2161821 2.136946
 5.27171212 -1.04199199 2.44040181 -3.48094097]
 Sample 612: [2.60946395 0.82195424 0.30531636 1.68358903 2.70265444
 -1.52181407
 3.07449685 -1.66276458 -2.72295235 1.18789456 0.2068666 2.16619161
 5.23211765 -1.07332323 2.48633079 -3.42468633]
 Sample 613: [2.68853194 0.75243658 0.31591617 1.73510915 2.66580852
 -1.43577003
 3.05141692 -1.76850714 -2.68483014 1.16183453 0.23485782 2.13948301
 5.19881904 -1.03639531 2.4360734 -3.40620127]
 Sample 614: [2.74227318 0.71802598 0.33472371 1.78846798 2.69911652
 -1.55134686
 3.01447196 -1.76466463 -2.67195759 1.20193008 0.25179132 2.18375292
 5.22875434 -1.09564936 2.45787312 -3.3359938]
 Sample 615: [2.74391726 0.79584792 0.33346127 1.86890162 2.68677934
 -1.56474398
 2.98341458 -1.79316792 -2.67519787 1.23210759 0.27078315 2.17190582
 5.16998685 -1.13329123 2.50593892 -3.38033162]
 Sample 616: [2.72889949 0.77873192 0.35301302 1.85558633 2.70591282
 -1.59287478
 3.03161561 -1.82647964 -2.64019685 1.16839729 0.2843909 2.20844433
 5.24570464 -1.11253281 2.49183598 -3.43281963]
 Sample 617: [2.78521387 0.78904887 0.31516517 1.86502106 2.77963475
 -1.52945991
 3.10722372 -1.77164859 -2.65226173 1.20071712 0.29212081 2.1829551
 5.16545374 -1.02671626 2.48582447 -3.3779334]
 Sample 618: [2.84714862 0.79936642 0.31748847 1.79878877 2.8756393
 -1.53343198
 3.05313501 -1.74861654 -2.6549332 1.19710825 0.24453631 2.14639516
 5.21066255 -1.03644936 2.44546542 -3.38951655]

Sample 619: [2.89664718 0.7457956 0.3352806 1.74190853 2.90575075
 -1.48725639
 3.08404927 -1.74028013 -2.63071357 1.19341836 0.25613372 2.10838094
 5.2028013 -0.94572327 2.42248456 -3.37090551]
 Sample 620: [2.97284193 0.7954522 0.33762776 1.67325622 2.86097231
 -1.48201295
 3.10034199 -1.73785062 -2.64521742 1.24075464 0.2165286 2.12752835
 5.19893455 -0.84120925 2.40004262 -3.36838807]
 Sample 621: [2.89901324 0.79072284 0.31121642 1.63076383 2.83448475
 -1.47224092
 3.16386344 -1.79182695 -2.70795891 1.23325291 0.180828 2.16814312
 5.17971646 -0.8431857 2.45496918 -3.41590689]
 Sample 622: [2.87728311 0.7857674 0.35639978 1.56785302 2.89852921
 -1.41764005
 3.11800153 -1.76124983 -2.72626913 1.29877522 0.1509872 2.26304446
 5.15390461 -0.87524927 2.37938402 -3.47071738]
 Sample 623: [2.71200949 0.80281972 0.30600351 1.61581097 2.8576103
 -1.45493035
 3.18930937 -1.7624202 -2.7196621 1.40860055 0.09834989 2.23308088
 5.20105809 -0.87276447 2.34358457 -3.42981424]
 Sample 624: [2.74696223 0.76607179 0.34978947 1.66532301 2.82811272
 -1.58834587
 3.13517156 -1.77515064 -2.74271864 1.35880299 0.17682918 2.22478875
 5.13965316 -0.89854394 2.30214355 -3.44598709]
 Sample 625: [2.67515972 0.78659431 0.33013994 1.7407867 2.8451671
 -1.63399717
 3.15939186 -1.78734294 -2.70527189 1.29364321 0.14352126 2.29185314
 5.10586743 -0.8783211 2.2250209 -3.45768825]
 Sample 626: [2.67186618 0.79256377 0.33820892 1.76424845 2.87124987
 -1.57286804
 3.18264276 -1.74288962 -2.62579432 1.29617676 0.13383681 2.2901152
 5.15692498 -0.83577777 2.29219089 -3.47526399]
 Sample 627: [2.70790124 0.78361788 0.30584234 1.86156557 2.94852093
 -1.61686839
 3.18497005 -1.72169085 -2.58373038 1.31513484 0.18468928 2.27672172
 5.19177963 -0.80376364 2.35337973 -3.4995377]
 Sample 628: [2.6935776 0.79383512 0.33921862 1.84645882 3.00791751
 -1.57399069
 3.17548401 -1.74107223 -2.49646653 1.36594597 0.26175938 2.31573319
 5.14831451 -0.80120539 2.31910632 -3.53916938]
 Sample 629: [2.71360626 0.79615186 0.33776081 1.84963388 3.01510139
 -1.45069334
 3.19007439 -1.8157402 -2.45947137 1.2859876 0.25649724 2.33607353
 5.13811423 -0.75277478 2.27464484 -3.63592275]
 Sample 630: [2.75614911 0.79321806 0.34942453 1.88496903 3.01276609
 -1.57040574
 3.23502995 -1.79386246 -2.43510485 1.28081426 0.23417398 2.40297472
 5.23728151 -0.75491621 2.25520528 -3.67541438]

Sample 631: [2.85229297 0.78776778 0.34102976 1.95734507 3.10083623
-1.57360148
3.26091136 -1.82584835 -2.43871544 1.24259922 0.2656042 2.41425562
5.1847762 -0.69068571 2.21631492 -3.71963564]
Sample 632: [2.82534549 0.80470147 0.35754807 1.91394451 3.12322571
-1.55883768
3.30202295 -1.81745027 -2.33137293 1.33841142 0.15270988 2.51090347
5.16999958 -0.5990019 2.14145079 -3.73301004]
Sample 633: [2.78096889 0.79634269 0.35161613 1.8650371 3.14043347
-1.60593749
3.26032752 -1.88048846 -2.31845694 1.32214898 0.13509617 2.42225423
5.21790563 -0.51301664 2.17776348 -3.81825014]
Sample 634: [2.79675487 0.78077211 0.38563202 1.91113557 3.16183049
-1.59507455
3.26754026 -1.89091994 -2.31428216 1.3033481 0.13542314 2.41241968
5.30017218 -0.55353235 2.17544525 -3.87487458]
Sample 635: [2.76086219 0.80510658 0.34514744 1.91506607 3.11786456
-1.63044107
3.27271926 -1.96894698 -2.25739105 1.32324238 0.21560851 2.47205932
5.42748717 -0.60351727 2.24297075 -3.91534579]
Sample 636: [2.69154571 0.78484098 0.40117349 1.92962896 3.12846044
-1.61654978
3.27751348 -1.93489755 -2.26465418 1.32081383 0.25627982 2.46947346
5.45735591 -0.63128057 2.23995129 -3.98036938]
Sample 637: [2.75234473 0.74978404 0.35588753 1.9459837 3.14771694
-1.51273139
3.18858505 -1.9881325 -2.31500723 1.33884937 0.37911163 2.47493839
5.53650826 -0.50445246 2.21932113 -3.93502434]
Sample 638: [2.8021403 0.72326032 0.38911237 2.02704664 3.22880836
-1.47880163
3.13610124 -1.96059605 -2.3359109 1.28899202 0.35922576 2.43021238
5.58712883 -0.49700876 2.29242889 -3.95945689]
Sample 639: [2.85483159 0.7885966 0.36420232 2.05809254 3.14017902
-1.46841853
3.12177514 -1.99496951 -2.36624711 1.22316311 0.29580519 2.46796782
5.58834789 -0.56119719 2.30116762 -3.93043677]
Sample 640: [2.89334683 0.74540684 0.40674782 2.05326674 3.25539471
-1.40996243
3.10178318 -2.07039896 -2.3273217 1.24608465 0.38618362 2.51486361
5.56327144 -0.58829318 2.4113643 -3.95417329]
Sample 641: [2.81192275 0.77221186 0.39586221 2.11745825 3.28620732
-1.37117921
3.17050396 -2.0877789 -2.45002005 1.32952124 0.32491189 2.58777513
5.59397516 -0.55867376 2.41990388 -3.9510349]
Sample 642: [2.78266861 0.74330617 0.40176982 2.18011862 3.24997462
-1.35474972
3.13795257 -2.05096477 -2.33815876 1.38603816 0.29199825 2.58500631
5.63158217 -0.56825895 2.38991749 -3.81769633]

Sample 643: [2.81650393 0.77987032 0.3776097 2.24509587 3.35168958
 -1.31615956
 3.13516071 -2.0353378 -2.44317498 1.44176947 0.27409235 2.596622
 5.64913969 -0.50276622 2.50551558 -3.77268236]
 Sample 644: [2.87907406 0.8132769 0.38916595 2.17674468 3.39376623
 -1.257963
 3.16167554 -2.01909428 -2.55237805 1.39898586 0.25479649 2.58909045
 5.64767193 -0.57466029 2.56819569 -3.72850264]
 Sample 645: [2.83723009 0.7443009 0.36765507 2.20953735 3.38903191
 -1.26012044
 3.13624359 -2.04552721 -2.64127028 1.41881791 0.19590092 2.58276492
 5.7436736 -0.60911849 2.57361604 -3.69799804]
 Sample 646: [2.95119101 0.79379751 0.40679369 2.20958911 3.344435
 -1.17099104
 3.23393373 -2.05526032 -2.6752478 1.43114325 0.13810708 2.52368133
 5.72447353 -0.59500745 2.56008172 -3.67285568]
 Sample 647: [2.95200081 0.82118096 0.37838867 2.18171213 3.34572461
 -1.30383142
 3.19004538 -2.11456568 -2.64086905 1.47782064 0.09152209 2.54912644
 5.70599499 -0.56779376 2.46792272 -3.72414885]
 Sample 648: [2.95003941 0.77822939 0.41533481 2.13359184 3.33070299
 -1.21154143
 3.24546249 -2.06231951 -2.65225033 1.42049149 0.13216751 2.52095076
 5.72818238 -0.55562977 2.43575174 -3.7365993]
 Sample 649: [2.94045402 0.79103743 0.36182826 2.12129901 3.20092697
 -1.19168758
 3.17251151 -2.05961601 -2.6705607 1.39285106 0.03143295 2.47975414
 5.68378336 -0.49068226 2.42305918 -3.74041429]
 Sample 650: [2.93213681 0.75311862 0.423726 2.13451145 3.14968903
 -1.19080823
 3.21823156 -2.07336105 -2.72474581 1.43712449 -0.01192296 2.4018212
 5.67513465 -0.46674475 2.45485702 -3.66729678]
 Sample 651: [2.90301146 0.79342508 0.36045516 2.12571812 3.12599549
 -1.1595087
 3.18332446 -2.07652385 -2.70147974 1.45467381 -0.01757833 2.40356812
 5.68537904 -0.36528466 2.40942028 -3.66973105]
 Sample 652: [2.8740923 0.75029581 0.39499851 2.07929282 3.12935054
 -1.10782576
 3.15124407 -1.917589 -2.69083422 1.41845537 -0.09750525 2.4197201
 5.6874245 -0.35725586 2.39172234 -3.72346921]
 Sample 653: [2.77068498 0.7580683 0.32373747 2.22356844 3.09738559
 -1.18133136
 3.06239095 -1.88525318 -2.63511519 1.38688907 -0.08662379 2.35095074
 5.60599081 -0.35003703 2.38820076 -3.70925798]
 Sample 654: [2.79029564 0.78172657 0.36522417 2.28647211 3.0925427
 -1.14596247
 3.01754202 -1.86159965 -2.69379104 1.4045054 -0.20481897 2.3961434
 5.61814653 -0.40793869 2.36629731 -3.69180286]

Sample 655: [2.82513835 0.79963856 0.35108225 2.2862543 3.1488865
 -1.18709048
 3.00715886 -1.92358826 -2.68787588 1.37925712 -0.1617232 2.39015567
 5.64066991 -0.3975351 2.35289382 -3.71183865]
 Sample 656: [2.77895112 0.72743576 0.362493 2.19981454 3.13260656
 -1.16410914
 3.02230974 -1.84469374 -2.64093579 1.46279866 -0.25394298 2.38978098
 5.61645625 -0.48900824 2.30783904 -3.7353338]
 Sample 657: [2.75730188 0.71915942 0.34272405 2.20284363 3.23660581
 -1.17425066
 2.92346965 -1.87766182 -2.61322533 1.4777115 -0.29584825 2.41146995
 5.62725338 -0.45442453 2.27200938 -3.75248191]
 Sample 658: [2.75204982 0.7366385 0.36914311 2.13580281 3.24987507
 -1.22671874
 2.91480301 -1.87969906 -2.63823871 1.5086315 -0.19587812 2.35607126
 5.64165541 -0.49986259 2.25146187 -3.74694259]
 Sample 659: [2.78275207 0.71200755 0.333328 2.11909015 3.18982146
 -1.22155704
 2.95936886 -1.82657227 -2.6491224 1.58644047 -0.07805229 2.36599082
 5.66435702 -0.50000193 2.27814587 -3.83061284]
 Sample 660: [2.69836173 0.78486405 0.37021509 2.12906188 3.1625121
 -1.18831995
 2.91753562 -1.88219291 -2.66483504 1.44788151 -0.06524935 2.40964209
 5.61221147 -0.42769398 2.16836037 -3.73365099]
 Sample 661: [2.6343078 0.70950237 0.34272487 2.18802225 3.10647445
 -1.15564326
 2.90165997 -1.91152312 -2.69409853 1.43697346 -0.10785875 2.43487205
 5.57076319 -0.40917416 2.20444986 -3.76082748]
 Sample 662: [2.6297515 0.74558653 0.3718837 2.1979375 3.0543702
 -1.1729952
 2.92365147 -1.87793538 -2.70872293 1.4840023 -0.07005299 2.44819724
 5.56625235 -0.28138085 2.20646062 -3.78383474]
 Sample 663: [2.54571939 0.68828894 0.33134809 2.07246737 2.9823858
 -1.2397885
 2.8829384 -1.86438297 -2.76577719 1.48689291 -0.04620461 2.50737206
 5.60087036 -0.2656954 2.2202777 -3.68959241]
 Sample 664: [2.57692688 0.74314283 0.32809593 1.97640779 2.91072648
 -1.22608923
 2.91158942 -1.77908468 -2.73779368 1.42787899 -0.12929923 2.57026364
 5.6453617 -0.17821194 2.27627368 -3.68678876]
 Sample 665: [2.5465574 0.78193193 0.32044408 1.94513609 3.00834986
 -1.18617585
 2.93074362 -1.78859203 -2.66147865 1.43245889 -0.10913927 2.63790284
 5.64148211 -0.19678585 2.30650094 -3.71707046]
 Sample 666: [2.5386686 0.76480655 0.37065929 1.96956291 2.99545729
 -1.08213414
 3.02583302 -1.84856886 -2.73660188 1.42940186 -0.11659471 2.70732847
 5.62370684 -0.08076578 2.29086726 -3.65023988]

Sample 667: [2.56846092 0.80060712 0.32859971 1.90332055 3.0489933
 -1.03081646
 3.10703651 -1.91838377 -2.7121388 1.43292301 -0.15107194 2.69352555
 5.57699693 -0.14811431 2.23398407 -3.65204348]
 Sample 668: [2.59956044 0.81297085 0.37409372 1.91357208 3.12518192
 -1.09312014
 3.1697258 -1.89155227 -2.65832793 1.45439798 -0.15918643 2.59788131
 5.53404975 -0.16201424 2.33822207 -3.63054298]
 Sample 669: [2.51137292 0.75497926 0.34528011 1.90377031 3.14089502
 -1.13456361
 3.21835825 -1.91260107 -2.72883149 1.42723424 -0.17078348 2.66651155
 5.52164164 -0.09383042 2.34852668 -3.70681304]
 Sample 670: [2.59042895 0.85371286 0.3686518 1.89555884 3.06606845
 -1.15872143
 3.13762543 -1.84152238 -2.7162625 1.34327091 -0.10375286 2.62057951
 5.46229667 -0.02865797 2.31658517 -3.56754452]
 Sample 671: [2.58879733 0.78548601 0.32038793 1.94482342 2.98779471
 -1.19373885
 3.08349963 -1.82933517 -2.81518734 1.34968076 -0.11940324 2.61796869
 5.47111177 -0.02602424 2.2226988 -3.55838143]
 Sample 672: [2.59178027 0.77893686 0.36536418 1.96750885 2.91386212
 -1.22041014
 3.08580719 -1.78839763 -2.84507827 1.28730755 -0.07698525 2.62923163
 5.40463413 -0.0746088 2.16820715 -3.56012367]
 Sample 673: [2.59174787 0.78996783 0.30253132 1.97011772 2.88966576
 -1.23898218
 3.02158949 -1.78363619 -2.86443695 1.24734803 -0.12792343 2.68202503
 5.38580522 0.00954171 2.19875858 -3.58289663]
 Sample 674: [2.61696745 0.78723278 0.37641805 1.98096547 2.83902602
 -1.26105285
 3.10175013 -1.89148418 -2.84636487 1.17918998 -0.14506735 2.64935766
 5.36882886 0.01297331 2.26613424 -3.48760646]
 Sample 675: [2.62856031 0.75440119 0.34066273 1.92133972 2.81882477
 -1.29105598
 3.07772862 -1.90184428 -2.81522248 1.09033364 -0.14255776 2.65065696
 5.36632457 0.03683695 2.20241828 -3.4820615]
 Sample 676: [2.61310151 0.80904529 0.38886037 1.88538822 2.7816467
 -1.26520227
 3.04120642 -1.93039125 -2.82112023 1.12187694 -0.11696177 2.75106053
 5.30239334 0.09016465 2.15989899 -3.5275039]
 Sample 677: [2.67427424 0.75746099 0.33692643 1.93756648 2.78956427
 -1.34797197
 3.03690357 -1.90490959 -2.7509528 1.16126148 -0.14824886 2.76244022
 5.22660641 0.05836564 2.20793636 -3.53052323]
 Sample 678: [2.6404414 0.82188788 0.40453738 1.90988618 2.83067649
 -1.36003291
 3.0437439 -1.99363749 -2.69010023 1.16836688 -0.21598689 2.74784763
 5.26177641 0.02519752 2.21577751 -3.48305913]

Sample 679: [2.55952695 0.77936312 0.34630442 1.84731454 2.74839557
 -1.35931068
 3.04967248 -2.0039971 -2.65316441 1.11710503 -0.24508522 2.63534223
 5.27656889 -0.0111778 2.20468286 -3.40511429]
 Sample 680: [2.49877774 0.76531133 0.39243323 1.78210333 2.79270614
 -1.44315599
 3.00375305 -1.96361893 -2.65832198 1.13360256 -0.2519679 2.58820486
 5.25347303 -0.100518 2.29874687 -3.43361667]
 Sample 681: [2.51134503 0.78950737 0.34811665 1.76224287 2.84229873
 -1.47232519
 2.96387155 -1.97700157 -2.67544115 1.08497634 -0.1061609 2.63082912
 5.17335432 -0.11785809 2.32978988 -3.43608199]
 Sample 682: [2.50701797 0.7822581 0.39842748 1.75325747 2.86838195
 -1.4985926
 2.95543378 -1.94749702 -2.78072871 1.1054901 -0.16420018 2.61442458
 5.18316257 -0.06314527 2.36238083 -3.44066026]
 Sample 683: [2.44684491 0.76737474 0.34331456 1.78610197 2.8769714
 -1.41513719
 2.99604267 -1.97683386 -2.79221723 1.10652988 -0.1890784 2.63463567
 5.25672487 -0.06602175 2.35821806 -3.41009414]
 Sample 684: [2.38553065 0.81363409 0.38502233 1.87273221 2.93767827
 -1.44559525
 3.05069578 -1.86616467 -2.76814375 1.08669565 -0.18306777 2.61485275
 5.23278139 -0.02396517 2.28082716 -3.41159056]
 Sample 685: [2.36607243 0.81045235 0.30565058 1.88738733 2.90106386
 -1.47723448
 3.05929693 -1.83495262 -2.79325333 1.13024 -0.24644616 2.62693604
 5.17394886 0.06382404 2.23301477 -3.39474531]
 Sample 686: [2.31838424e+00 8.06232641e-01 3.87129005e-01 1.84694582e+00
 2.91113487e+00 -1.50245511e+00 3.04219554e+00 -1.89400564e+00
 -2.69930714e+00 1.13517132e+00 -2.74827034e-01 2.56716564e+00
 5.15997446e+00 -1.13140696e-03 2.17843704e+00 -3.42729577e+00]
 Sample 687: [2.27140296 0.80721719 0.32475746 1.85586112 2.96421056
 -1.53098052
 3.13367077 -1.88350163 -2.8450198 1.30092874 -0.28498573 2.55918087
 5.19402141 0.0258354 2.20490704 -3.47311799]
 Sample 688: [2.35872627 0.77466458 0.36296745 1.94205916 2.93973229
 -1.50463324
 3.10944131 -1.8232003 -2.90202838 1.22383861 -0.2967588 2.52384516
 5.21945827 -0.09628037 2.05351733 -3.4246007]
 Sample 689: [2.27821203 0.82394724 0.3293563 2.02504702 2.85840627
 -1.58096584
 3.09731153 -1.86291456 -3.01544164 1.26023948 -0.28611726 2.42953519
 5.19993759 -0.03546539 2.10216849 -3.43540266]
 Sample 690: [2.38019316 0.78337564 0.35532381 2.03929402 2.99686046
 -1.59946484
 3.0541686 -1.84278583 -3.0410165 1.30413846 -0.29543721 2.35741251
 5.26754089 -0.03955347 2.13360422 -3.38715073]

Sample 691: [2.3975832 0.76046344 0.37000616 2.06995327 2.96483776
 -1.66001954
 2.98870767 -1.94479158 -3.04825771 1.33313652 -0.31601496 2.3666457
 5.28843467 -0.09008175 2.14011143 -3.4535682]
 Sample 692: [2.45676572 0.78136949 0.34252772 2.09233735 2.94144295
 -1.62949178
 3.04752476 -1.86307802 -3.02460521 1.2957422 -0.35765175 2.34248332
 5.25650484 -0.04994779 2.03806491 -3.40520267]
 Sample 693: [2.513324 0.75212502 0.36216059 2.00293809 2.85684244
 -1.64589883
 2.99524641 -1.8499164 -3.06881003 1.36789814 -0.39327222 2.4164805
 5.17459546 -0.06621124 1.95923687 -3.46787029]
 Sample 694: [2.55519727 0.77199517 0.32765469 2.00591182 2.976165
 -1.57835186
 2.99578198 -1.83032395 -3.05121364 1.29451503 -0.29449223 2.46357371
 5.23335945 -0.02385965 1.90288603 -3.48172571]
 Sample 695: [2.4819456 0.75275473 0.35588812 1.92980972 3.0130149
 -1.63038827
 3.07893177 -1.78804451 -3.05190128 1.40711222 -0.36134987 2.49896419
 5.33087808 -0.02176328 1.8357719 -3.40215371]
 Sample 696: [2.56596795 0.83024085 0.29433783 2.02362538 2.91958295
 -1.59999374
 3.07395418 -1.76649179 -3.04733009 1.47245694 -0.39351874 2.46440038
 5.33472688 0.05754837 1.8455962 -3.43856001]
 Sample 697: [2.63692921 0.73181882 0.35034045 1.97621488 2.97466702
 -1.54477444
 3.07342949 -1.7709844 -2.98807255 1.45708215 -0.40987956 2.49243604
 5.26948868 0.04321029 1.78696405 -3.46167959]
 Sample 698: [2.71634032 0.81809689 0.29629974 1.92595405 3.05466479
 -1.52293385
 3.05408209 -1.77580581 -2.98594673 1.42129481 -0.44949951 2.53893227
 5.33674116 0.03687871 1.82106263 -3.50804223]
 Sample 699: [2.74171437 0.77095339 0.37388468 1.96464168 2.96686272
 -1.51805878
 3.00126966 -1.82749386 -2.90024088 1.3253918 -0.42960176 2.61271149
 5.32227096 0.03691597 1.80096792 -3.47384538]
 Sample 700: [2.66697267 0.74117135 0.30870517 2.04568959 2.98721418
 -1.57900736
 2.96932863 -1.81590628 -2.87764474 1.33419342 -0.37497709 2.61668974
 5.35830448 0.05306802 1.7800247 -3.47486012]
 Sample 701: [2.66097149 0.76416557 0.36304935 2.05112702 3.01682269
 -1.50224693
 2.98394275 -1.8524869 -2.79531802 1.34617531 -0.29007628 2.58720648
 5.38940436 0.06262556 1.88902138 -3.51297143]
 Sample 702: [2.65572179e+00 7.73929263e-01 3.36496823e-01 2.07725663e+00
 2.98997638e+00 -1.51630930e+00 2.91197991e+00 -1.78899282e+00
 -2.75239088e+00 1.30746602e+00 -3.37460441e-01 2.70254936e+00
 5.43836674e+00 -1.06865689e-03 1.92556902e+00 -3.53687179e+00]

Sample 703: [2.66914102 0.73403837 0.31969411 2.14704236 2.96528273
 -1.54185741
 2.87856222 -1.79959409 -2.69447881 1.2971813 -0.28881628 2.64336558
 5.35494304 -0.04959867 1.88900557 -3.5755369]
 Sample 704: [2.71302276 0.71273801 0.37408115 2.14705293 3.02543543
 -1.54976017
 2.91360659 -1.85359133 -2.69299542 1.21514587 -0.32454532 2.67112761
 5.43882217 0.04920627 1.88182907 -3.63139826]
 Sample 705: [2.68151291 0.78315536 0.3300873 2.16631475 2.99803359
 -1.52868283
 2.88697363 -1.88599689 -2.68231075 1.26050987 -0.26579468 2.65553236
 5.40195755 0.08834087 1.87576612 -3.60579301]
 Sample 706: [2.76635796 0.7644405 0.37569627 2.07731262 3.00363596
 -1.39279238
 2.92601498 -1.91165527 -2.75405807 1.21930945 -0.21871471 2.62913387
 5.45459759 0.108041 1.89390026 -3.56906851]
 Sample 707: [2.74852584 0.75044675 0.34592263 2.0425234 3.01793952
 -1.48244999
 2.86840218 -1.86589715 -2.71964617 1.20104807 -0.24312989 2.63848884
 5.46019414 0.07461768 1.81486782 -3.56623201]
 Sample 708: [2.74875504 0.71983281 0.36863822 2.06083055 3.06621988
 -1.51155303
 2.8893392 -1.87800595 -2.71876641 1.17193905 -0.26966293 2.63535219
 5.41480941 0.11625302 1.82860197 -3.62541597]
 Sample 709: [2.7643271 0.75760899 0.33523752 2.0325439 2.97279561
 -1.5023607
 2.88130456 -1.82552572 -2.76122802 1.1025176 -0.26049584 2.69372732
 5.33168211 0.17418432 1.78080511 -3.58054347]
 Sample 710: [2.83016405 0.78169354 0.34479649 2.04969613 2.97588512
 -1.5102222
 2.92817334 -1.77046557 -2.79727852 1.12733766 -0.36790936 2.67972342
 5.33245895 0.2530751 1.77544713 -3.60395044]
 Sample 711: [2.78835584 0.75977131 0.35415021 2.03352837 2.90148293
 -1.52037866
 2.97375519 -1.92501133 -2.83209118 1.14774988 -0.40444255 2.62579818
 5.28051256 0.32667604 1.73901838 -3.55711769]
 Sample 712: [2.93121467 0.80674334 0.38010031 2.02610267 2.94216814
 -1.53032609
 2.97872521 -1.92618128 -2.82544455 1.08158521 -0.35278421 2.67850733
 5.27069896 0.29732699 1.81951831 -3.47531831]
 Sample 713: [2.90175586 0.71233221 0.35898055 1.99903071 2.96682251
 -1.49978255
 2.85812414 -1.95673439 -2.76259027 1.08632454 -0.33061885 2.66752364
 5.28056845 0.23208213 1.81404876 -3.56970047]
 Sample 714: [2.94557572 0.76873124 0.3964464 2.01187088 2.97819263
 -1.47782644
 2.83091153 -2.00877345 -2.74370664 1.07007204 -0.24517195 2.70041087
 5.27109262 0.33402346 1.8854216 -3.51564374]

Sample 715: [2.99123616 0.7586634 0.35596019 1.98067683 3.04400329
-1.48749459
2.83823566 -1.93619716 -2.72711444 1.03684773 -0.23130878 2.70502598
5.26709011 0.35715112 1.87342686 -3.63470546]
Sample 716: [3.07189531 0.72405716 0.37286973 1.97525932 3.00392779
-1.49368876
2.83827031 -1.90715759 -2.71269339 1.04058626 -0.14076551 2.65381907
5.24633594 0.438934 1.82928423 -3.61904732]
Sample 717: [3.1200908 0.72974686 0.33509697 2.02579784 2.88751564
-1.44454939
2.83038881 -1.81785025 -2.76912911 1.08704895 -0.17095216 2.7807419
5.2510916 0.43785332 1.90007573 -3.66468358]
Sample 718: [3.20163377 0.74010483 0.35453292 2.05900729 2.90321279
-1.4165284
2.82579389 -1.80971754 -2.7206538 1.08443636 -0.2123736 2.86548603
5.29197161 0.48111922 1.93399024 -3.6622649]
Sample 719: [3.22706192 0.74242443 0.34512461 2.2299892 2.95066076
-1.35732215
2.80535189 -1.8650167 -2.75976841 1.21309502 -0.19026021 2.87245561
5.23409924 0.4864644 1.98486561 -3.71024358]
Sample 720: [3.24331931 0.73179425 0.35050044 2.12713694 2.92036591
-1.39777941
2.88631536 -1.83146235 -2.7900667 1.20807605 -0.12809408 2.92133093
5.25170541 0.57418214 2.00893736 -3.73447995]
Sample 721: [3.30502468 0.74733895 0.37028753 2.04187228 2.99029015
-1.37088499
2.90938726 -1.92055953 -2.83237899 1.23968676 -0.19272007 2.96021142
5.23391462 0.56556743 1.99549725 -3.73708808]
Sample 722: [3.3759043 0.7810974 0.36233296 1.9725113 3.02872098
-1.35277003
2.94404107 -1.90798489 -2.86457635 1.29340972 -0.14626987 2.91226342
5.2553999 0.59693814 2.08110911 -3.71566091]
Sample 723: [3.41637214 0.79015408 0.36848394 1.97082172 3.08508027
-1.37638043
2.98095477 -1.92244093 -2.94251949 1.37948004 -0.1270632 2.927154
5.24665611 0.54837785 2.12423166 -3.65561445]
Sample 724: [3.48982650e+00 7.76025680e-01 3.64716310e-01 1.95990673e+00
3.15614277e+00 -1.43395061e+00 3.06139891e+00 -1.91488018e+00
-2.90704284e+00 1.24383761e+00 3.05031253e-03 2.99022289e+00
5.23844997e+00 4.85825303e-01 2.10166681e+00 -3.65623503e+00]
Sample 725: [3.47648848 0.79646077 0.36779095 1.99654906 3.10327585
-1.44935494
3.09980166 -1.92775216 -2.89627859 1.21199691 0.08962167 2.94553706
5.28027624 0.43474054 2.05523811 -3.63536246]
Sample 726: [3.38451247e+00 7.91790032e-01 3.44911236e-01 2.02029225e+00
3.04518450e+00 -1.44011531e+00 3.05031106e+00 -1.82200386e+00
-2.91678459e+00 1.27223813e+00 -1.42609532e-04 2.95289309e+00
5.36809958e+00 4.66894873e-01 2.06384632e+00 -3.63515979e+00]

Sample 727: [3.36151906 0.78110806 0.3263647 2.02901678 3.1116339
 -1.50814848
 3.05580321 -1.77091651 -2.8785435 1.24815271 -0.02907615 2.9273344
 5.34812776 0.45823177 2.1062314 -3.71654614]
 Sample 728: [3.39534646 0.80314006 0.33647368 2.00393366 3.14130494
 -1.5218263
 2.9946232 -1.75349611 -2.79815122 1.32284933 -0.05820713 2.92232763
 5.4074471 0.50383152 2.12665609 -3.61315296]
 Sample 729: [3.3766695 0.81848347 0.32761203 1.98120277 3.1323855
 -1.48829632
 3.0020526 -1.77931417 -2.7670633 1.45052074 -0.14420607 2.87581606
 5.35231472 0.49631622 2.12879063 -3.60606579]
 Sample 730: [3.33740766 0.77257131 0.3495754 1.98422462 3.20217772
 -1.5369712
 2.99889815 -1.80128771 -2.83827371 1.44974141 -0.09268433 2.85282548
 5.24680665 0.3949863 2.12216517 -3.64966181]
 Sample 731: [3.41179906 0.80735758 0.33013336 1.9347478 3.27430549
 -1.51121535
 2.97290035 -1.77331925 -2.82031024 1.5684443 -0.05209596 2.7925811
 5.25817021 0.40333043 2.08836104 -3.63043662]
 Sample 732: [3.46439674 0.76870529 0.33721846 2.02892301 3.22806776
 -1.52753617
 3.01335009 -1.76381699 -2.88786853 1.63213334 -0.0636952 2.74169067
 5.16618997 0.36932771 2.14605751 -3.63548121]
 Sample 733: [3.46875437 0.76803643 0.31135495 2.02172254 3.22357515
 -1.55119882
 2.99031062 -1.66503767 -2.82409809 1.65115552 -0.08877945 2.68877128
 5.12268175 0.31163666 2.09502679 -3.60784109]
 Sample 734: [3.38830403 0.83153828 0.31830395 2.06975507 3.1791821
 -1.51101
 3.05348479 -1.6488834 -2.80035699 1.60264181 -0.07107656 2.70066034
 5.07377525 0.29162381 2.09563624 -3.60589931]
 Sample 735: [3.44180934 0.79089884 0.30139157 2.07288201 3.17669021
 -1.46883255
 3.08338919 -1.62577099 -2.77812999 1.672534 -0.05479801 2.65016024
 5.17181044 0.2838773 2.11104351 -3.55467947]
 Sample 736: [3.50665376 0.83180996 0.31796738 2.18788034 3.18760447
 -1.53515107
 3.10682583 -1.68206779 -2.71818131 1.67641496 -0.10888996 2.6663057
 5.11838797 0.24575476 2.22713781 -3.49659152]
 Sample 737: [3.54080247 0.76355873 0.33371108 2.13528416 3.11671298
 -1.54030619
 3.05170869 -1.73240956 -2.73556306 1.61928963 -0.08362031 2.62385931
 5.13176467 0.29400535 2.22050589 -3.49443456]
 Sample 738: [3.55290013 0.80270736 0.31143697 2.19498372 3.0831047
 -1.57157951
 3.17564461 -1.66184566 -2.70208518 1.69099112 -0.10343647 2.61275587
 5.1328858 0.31891912 2.33516341 -3.53964032]

Sample 739: [3.48746881 0.81324972 0.32575943 2.20392457 3.04747254
 -1.59743538
 3.07860609 -1.73289343 -2.72475196 1.72146467 -0.08710432 2.55293496
 5.15113801 0.30217623 2.27013269 -3.59064094]
 Sample 740: [3.45447845 0.81695128 0.30540447 2.17276322 3.06215225
 -1.64795485
 3.1330729 -1.64585388 -2.73696535 1.78764903 -0.06222883 2.55851768
 5.11367738 0.29166711 2.27966565 -3.54806707]
 Sample 741: [3.53888024 0.80722954 0.30559094 2.2623254 3.04409622
 -1.66404615
 3.14739319 -1.59216005 -2.85609384 1.73191533 -0.07819784 2.57188685
 5.05447263 0.35643591 2.3269041 -3.57154295]
 Sample 742: [3.57525 0.8268969 0.29006226 2.2534774 3.04315012
 -1.72956482
 3.11868741 -1.59899818 -2.88150119 1.74891671 -0.20292295 2.59955739
 5.03891764 0.36883106 2.38036184 -3.52029391]
 Sample 743: [3.58757696 0.7951741 0.30637455 2.24375635 3.07706398
 -1.74416405
 3.12638601 -1.57566056 -2.90235204 1.75482882 -0.19940933 2.66237812
 5.0495396 0.37054439 2.2985702 -3.46272226]
 Sample 744: [3.58802687 0.82027919 0.32596458 2.17360767 3.08669355
 -1.7103214
 3.15078883 -1.75656335 -3.03433453 1.7793693 -0.25498822 2.6508096
 4.97745906 0.4103321 2.29647001 -3.45306326]
 Sample 745: [3.63767761 0.85984329 0.33115217 2.2351468 3.09291654
 -1.71682382
 3.15301651 -1.7049898 -3.0567394 1.7760341 -0.27294391 2.66199816
 4.9918139 0.40586304 2.31976707 -3.5389534]
 Sample 746: [3.62746795 0.78892758 0.30392915 2.23803729 3.12234513
 -1.70138426
 3.17718336 -1.6515204 -2.98557543 1.8546737 -0.31157155 2.70251984
 5.01532641 0.43269506 2.33863764 -3.53311838]
 Sample 747: [3.57110622 0.84128748 0.30794645 2.21130376 3.13542606
 -1.71428463
 3.20487936 -1.61715959 -2.95966676 1.77497488 -0.38942667 2.7663553
 5.06179012 0.50953903 2.39400625 -3.52269112]
 Sample 748: [3.64937964 0.84102063 0.29219303 2.15854491 3.08749199
 -1.66250513
 3.25047383 -1.63823725 -3.00759612 1.87174465 -0.37068366 2.74125153
 5.05970772 0.54718256 2.37606727 -3.45892089]
 Sample 749: [3.6919738 0.83655061 0.32822388 2.25482961 2.97511237
 -1.62409571
 3.23536755 -1.70857976 -2.91082468 1.89061078 -0.41674536 2.80253946
 4.99451386 0.57874202 2.39731353 -3.4448182]
 Sample 750: [3.63898752 0.7999357 0.32262337 2.2941866 2.95829735
 -1.61066067
 3.22071783 -1.73773871 -2.79267958 1.81666461 -0.41458423 2.70890343
 5.09594201 0.62939674 2.37709636 -3.46080703]

Sample 751: [3.57326768 0.85365467 0.32996455 2.38932954 2.92505983
 -1.6000977
 3.24909552 -1.7587689 -2.80517662 1.77050879 -0.40544366 2.72701453
 5.11964671 0.57078706 2.29053642 -3.56910528]
 Sample 752: [3.50142138 0.84043304 0.32839605 2.36016074 2.89187766
 -1.60605273
 3.2992544 -1.72545895 -2.78941091 1.76942262 -0.49140427 2.77654132
 5.03938457 0.56046871 2.36092324 -3.54911933]
 Sample 753: [3.52807245 0.85949673 0.32880584 2.27620336 3.02776375
 -1.63885555
 3.34895936 -1.72746935 -2.76058111 1.80974037 -0.44396512 2.80294975
 4.98923492 0.48124195 2.37728173 -3.4374789]
 Sample 754: [3.4378168 0.83573924 0.34123625 2.15161716 2.97384568
 -1.65191983
 3.31343723 -1.80490204 -2.78358233 1.78064753 -0.43947532 2.80702446
 4.92133245 0.3852428 2.4753899 -3.3945213]
 Sample 755: [3.42266457 0.87826306 0.34490554 2.20921233 2.98265673
 -1.55703356
 3.33057929 -1.80578358 -2.79836724 1.72110916 -0.44175291 2.87255694
 4.94158836 0.36347296 2.4978882 -3.40797434]
 Sample 756: [3.46891563 0.87448998 0.34807012 2.19422892 3.02704244
 -1.6065876
 3.30824737 -1.83740337 -2.7755304 1.73712278 -0.40238542 2.85617183
 4.94345347 0.35283441 2.47215319 -3.45297451]
 Sample 757: [3.44564192 0.83550266 0.34180368 2.31457849 2.991713
 -1.5669483
 3.25721061 -1.80316005 -2.82614814 1.76732008 -0.38612282 2.81523135
 4.96943219 0.24021945 2.38336733 -3.39857616]
 Sample 758: [3.39065782 0.79812101 0.34107511 2.35372937 2.94051225
 -1.55259762
 3.23498995 -1.81473383 -2.78111635 1.73166986 -0.43586087 2.79007292
 5.03831217 0.2950327 2.39727061 -3.46131839]
 Sample 759: [3.37447324 0.82565604 0.34680892 2.39529195 2.94130121
 -1.59260718
 3.25646475 -1.79906924 -2.80143386 1.72422632 -0.45289319 2.78678629
 4.99011358 0.34211817 2.46953996 -3.50486293]
 Sample 760: [3.28413493 0.85370519 0.3411763 2.4631217 2.89610263
 -1.5268021
 3.23682351 -1.82724521 -2.7946178 1.64633532 -0.46108769 2.69843695
 4.9811513 0.30747331 2.52417997 -3.58709443]
 Sample 761: [3.32522042 0.82401804 0.3416465 2.34101452 2.91248968
 -1.47291864
 3.30606707 -1.76546636 -2.77090391 1.65805616 -0.39080945 2.68365978
 5.00071022 0.26515233 2.54728196 -3.58245029]
 Sample 762: [3.23815088 0.90217131 0.32757089 2.33603897 2.89147721
 -1.56763694
 3.28538794 -1.75283601 -2.80898023 1.5941115 -0.38700085 2.66362298
 5.06537589 0.21586894 2.56303071 -3.53490483]

Sample 763: [3.14234324 0.85644136 0.34681843 2.40693844 2.97220659
 -1.52601424
 3.34228034 -1.79114082 -2.86016462 1.5320183 -0.44982751 2.7127417
 4.97791227 0.17614999 2.43507446 -3.58080872]
 Sample 764: [3.14031425 0.8472454 0.32951581 2.3731953 3.07720865
 -1.48575648
 3.33195009 -1.76558264 -2.92123839 1.56762978 -0.34534437 2.71696874
 5.03170997 0.21438548 2.37151298 -3.53029408]
 Sample 765: [3.12022937 0.83123436 0.35744008 2.44660963 3.07966238
 -1.40963879
 3.37532636 -1.84991545 -2.95441872 1.54222987 -0.37357718 2.74592826
 4.96896711 0.16306346 2.34674223 -3.55196178]
 Sample 766: [3.12754857 0.84442083 0.35793638 2.52666545 3.12195532
 -1.37690413
 3.39796546 -1.88485443 -2.99323616 1.51889184 -0.49528536 2.79468642
 5.0622897 0.07258629 2.36275442 -3.68066316]
 Sample 767: [3.15985714 0.85970134 0.35349483 2.54400341 3.15728035
 -1.40077243
 3.36890531 -1.86632454 -2.95864896 1.55862351 -0.49202401 2.81729873
 5.12196801 0.11630347 2.29298482 -3.66612646]
 Sample 768: [3.13895569 0.88778288 0.37628172 2.56252076 3.07867849
 -1.35680926
 3.4532698 -1.94034675 -3.01882845 1.55266073 -0.49506529 2.83769667
 5.04799567 0.07802407 2.29170648 -3.63671419]
 Sample 769: [3.12805485 0.95191747 0.36591848 2.56085275 3.06281847
 -1.33781551
 3.48929975 -1.90566772 -2.88581769 1.53197126 -0.45408746 2.81199251
 5.02450382 0.06947971 2.30152856 -3.61601902]
 Sample 770: [3.06570745 0.84756697 0.3716608 2.57880355 3.05488624
 -1.22669416
 3.46712281 -1.94304381 -2.86979315 1.51173514 -0.34510028 2.73823757
 5.02282572 0.11751873 2.37203486 -3.61965761]
 Sample 771: [3.0328207 0.88402688 0.37827261 2.58355316 3.12685406
 -1.12596973
 3.3340353 -1.96897259 -2.79712185 1.38478671 -0.39477781 2.75809074
 5.13982473 0.19761691 2.43826079 -3.59122699]
 Sample 772: [3.0277404 0.78777583 0.36126752 2.65174031 3.18308798
 -1.04930294
 3.27251623 -1.91297207 -2.78283304 1.38383068 -0.36301023 2.72841826
 5.16891475 0.14418604 2.41721613 -3.65404835]
 Sample 773: [3.04629925 0.80665384 0.34240944 2.67803853 3.16795371
 -1.02462607
 3.21936158 -1.78654877 -2.74883805 1.33461156 -0.37725524 2.77101923
 5.13732933 0.08322326 2.53138767 -3.79756345]
 Sample 774: [3.04939955 0.79731385 0.34801842 2.65630111 3.14530554
 -0.98250611
 3.27619067 -1.84581777 -2.7895428 1.2465144 -0.38868852 2.8115657
 5.18824542 0.133412 2.49400456 -3.73958069]

Sample 775: [3.0061073 0.7873859 0.35625825 2.62964184 3.0706933
 -0.93868015
 3.18720689 -1.81106408 -2.84955152 1.24505985 -0.28925986 2.81951385
 5.13387552 0.15072982 2.54010789 -3.69702439]
 Sample 776: [3.05515101 0.79660078 0.3298546 2.59951908 3.01958799
 -0.97472394
 3.18875948 -1.76372159 -2.9264451 1.28115815 -0.36379743 2.80631654
 5.15524103 0.21362601 2.47776933 -3.70032928]
 Sample 777: [2.96366324 0.81053978 0.36349202 2.58666633 3.00693822
 -0.94551073
 3.15991024 -1.84662072 -2.9242238 1.29297155 -0.451884 2.79070309
 5.20925306 0.32836253 2.39742182 -3.78141467]
 Sample 778: [2.89252573 0.74679613 0.34697291 2.62133841 3.01890316
 -0.88622864
 3.21226044 -1.85416703 -2.98863726 1.27818312 -0.47005221 2.79310814
 5.14322538 0.44006923 2.36444214 -3.84266434]
 Sample 779: [2.90626148 0.79346955 0.34990248 2.57380413 2.98605085
 -0.87261245
 3.16712571 -1.87255089 -2.9866599 1.28503787 -0.49286851 2.80045708
 5.24339139 0.45462655 2.37584342 -3.89002819]
 Sample 780: [2.89445119 0.80104482 0.37667287 2.56574563 2.96754937
 -0.83536623
 3.15409279 -1.87157916 -3.01861407 1.33276686 -0.48422262 2.75297771
 5.22721433 0.52103324 2.44040923 -3.84506888]
 Sample 781: [2.90729373 0.80576967 0.32387668 2.49743168 2.88310976
 -0.81136167
 3.14395179 -1.80824545 -3.07619118 1.38625612 -0.4596205 2.68479713
 5.28681904 0.41076206 2.40855413 -3.80049216]
 Sample 782: [2.88348796 0.75036898 0.36632907 2.49800831 2.86504544
 -0.8514367
 3.15646683 -1.82006037 -2.99288175 1.33012641 -0.51140134 2.66623614
 5.26388216 0.43927821 2.44120776 -3.78095889]
 Sample 783: [2.89941868 0.81217313 0.33969371 2.49505774 2.81199448
 -0.83462646
 3.08440035 -1.85136887 -3.0454242 1.27942287 -0.54764308 2.7616843
 5.25263839 0.42964648 2.37243288 -3.7982194]
 Sample 784: [2.9093574 0.73362055 0.36961174 2.44536515 2.76302269
 -0.85123294
 3.06618069 -1.848657 -3.0867083 1.28654553 -0.62467372 2.83940813
 5.27990743 0.45748726 2.38044923 -3.78517042]
 Sample 785: [2.94599039 0.78168335 0.33577506 2.44833773 2.66952907
 -0.84079976
 3.03112374 -1.89733856 -3.07998129 1.28767477 -0.63272487 2.80514328
 5.31776211 0.54209161 2.41559699 -3.79157085]
 Sample 786: [2.97632035 0.73979618 0.39127426 2.42993597 2.65214864
 -0.78007631
 2.98721369 -1.93146876 -3.11682279 1.28172074 -0.6382822 2.82187039
 5.40993584 0.60332873 2.47315925 -3.71826971]

Sample 787: [3.02021727 0.74453937 0.33249373 2.44538129 2.69330769
 -0.85194861
 3.00569477 -1.89137016 -3.11612712 1.37380662 -0.56224342 2.80543904
 5.46609969 0.58273338 2.49943664 -3.65391497]
 Sample 788: [3.06287329 0.74396036 0.36768177 2.37212825 2.66682589
 -0.88942128
 2.94372331 -1.83684084 -3.15087465 1.42694671 -0.58599146 2.78789862
 5.5105629 0.53944009 2.50211329 -3.67946244]
 Sample 789: [3.0132465 0.72915215 0.33368268 2.40438721 2.69306492
 -0.92268551
 2.87824553 -1.89247134 -3.21298902 1.45254208 -0.54757189 2.76570245
 5.51142427 0.55381933 2.55338683 -3.72344346]
 Sample 790: [2.92312335 0.76479715 0.36853734 2.39627741 2.76136453
 -0.9521919
 2.84267159 -1.83206698 -3.16840217 1.37505214 -0.61067481 2.86158416
 5.52710306 0.52975806 2.42277048 -3.74931802]
 Sample 791: [2.90878962 0.71717867 0.35135939 2.36181038 2.79081199
 -0.962264
 2.85855981 -1.95407841 -3.11289864 1.40912143 -0.61812013 2.79337085
 5.43975475 0.59346996 2.37147816 -3.71802497]
 Sample 792: [2.92830385 0.77224208 0.39720073 2.42384057 2.74166661
 -0.99882549
 2.79890843 -1.96972265 -3.15187145 1.37953436 -0.62697889 2.71122844
 5.39421543 0.68796962 2.40541622 -3.77291671]
 Sample 793: [2.88841027 0.72041443 0.3524917 2.40706955 2.75481448
 -1.02693285
 2.84636085 -1.9627331 -3.16637467 1.33714807 -0.72437086 2.73829529
 5.47049196 0.70858536 2.37923256 -3.76430879]
 Sample 794: [2.88188085 0.71782833 0.40626782 2.46444676 2.81655293
 -0.99498017
 2.81619153 -1.99940302 -3.15813006 1.31070433 -0.74117888 2.70292265
 5.33056887 0.71885146 2.41010746 -3.77207857]
 Sample 795: [2.8762324 0.76495654 0.35428517 2.46311128 2.77938178
 -1.05260837
 2.79821554 -1.97648286 -3.11722731 1.35118054 -0.84618968 2.69610736
 5.38740453 0.72299754 2.38848489 -3.78991135]
 Sample 796: [2.89813809 0.73003844 0.40170936 2.47617898 2.73209952
 -1.00274431
 2.86851577 -1.97985637 -3.20222543 1.35353361 -0.81860444 2.64940252
 5.41544733 0.7491149 2.43992263 -3.68998827]
 Sample 797: [2.89480137 0.72819668 0.35266493 2.54888777 2.67151375
 -1.04307999
 2.89507741 -1.99107481 -3.14826435 1.42103929 -0.78844893 2.59267752
 5.45498088 0.84671758 2.47939809 -3.68819227]
 Sample 798: [2.94346749 0.71975223 0.41206326 2.51964631 2.61631305
 -1.05738716
 2.89308878 -2.02738334 -3.20334841 1.44168872 -0.78103785 2.662436
 5.50318331 0.80301323 2.46589081 -3.65131026]

Sample 799: [2.93057621 0.7725796 0.35658275 2.43878726 2.63712736
 -1.09873032
 2.97207357 -2.02326198 -3.19695719 1.37195378 -0.86920314 2.7182182
 5.51132278 0.73514086 2.46717547 -3.54594843]
 Sample 800: [2.91072547 0.79408584 0.41294764 2.47577812 2.61346482
 -1.05714515
 2.99618207 -2.07883848 -3.2617426 1.27404946 -0.79474793 2.72372167
 5.58413176 0.73055784 2.4925427 -3.49552285]
 Sample 801: [2.93890647 0.79269514 0.36383476 2.4830486 2.55017752
 -1.12984722
 3.02803218 -2.07098326 -3.10858933 1.27823817 -0.80443891 2.69545125
 5.55696598 0.70284737 2.42405075 -3.53587675]
 Sample 802: [2.95932794 0.76557651 0.40884637 2.45996986 2.53471415
 -1.17638613
 3.04125828 -2.03749487 -3.05160614 1.4190539 -0.86737893 2.64070051
 5.51947919 0.64363046 2.47707083 -3.48976228]
 Sample 803: [2.94174185 0.82011867 0.34230702 2.35102846 2.52033652
 -1.22766733
 3.1024308 -1.96406393 -3.055403 1.3415512 -0.84398576 2.69893424
 5.57825076 0.67713271 2.6595149 -3.43816741]
 Sample 804: [2.90794587 0.78431543 0.41697353 2.42996787 2.54545813
 -1.17544946
 3.05479396 -2.03626827 -2.98484654 1.4270329 -0.84649072 2.69983998
 5.60809688 0.73320066 2.69138481 -3.55253656]
 Sample 805: [2.97769652 0.80813041 0.35498248 2.39299742 2.52230676
 -1.2137869
 2.99808139 -2.06611381 -3.09112858 1.40524206 -0.82615094 2.65523926
 5.67039324 0.68119458 2.64767799 -3.47855365]
 Sample 806: [2.98613941 0.76879384 0.39185077 2.37443052 2.48648907
 -1.11719998
 3.05483824 -2.05153187 -3.0369901 1.33463654 -0.87197941 2.6536207
 5.63384332 0.60919913 2.66804338 -3.48364377]
 Sample 807: [2.99364923 0.81568983 0.37680861 2.42328721 2.43822021
 -1.10371312
 3.08471358 -2.09234135 -3.04524478 1.21211444 -0.87509025 2.66027143
 5.62766804 0.71436017 2.65154611 -3.4824183]
 Sample 808: [2.99341632 0.8066979 0.39827081 2.38634109 2.4114531
 -1.16715166
 3.07272396 -2.11304018 -3.02805713 1.1605337 -0.84860216 2.69283617
 5.64469971 0.76943963 2.6757708 -3.39829037]
 Sample 809: [2.93496872 0.78807723 0.38906658 2.40470925 2.51147594
 -1.1546237
 3.04024506 -2.09949293 -2.97069162 1.19696309 -0.86986299 2.68917463
 5.65006697 0.83385744 2.66238033 -3.41985731]
 Sample 810: [2.88183461 0.75479625 0.41577919 2.3046024 2.43794582
 -1.23147421
 3.1127038 -2.09467451 -2.99570884 1.19975398 -0.89464694 2.74485362
 5.6767198 0.79597086 2.73440757 -3.3749589]

Sample 811: [2.89406781 0.8466834 0.35638105 2.30846663 2.46440321
 -1.30470819
 3.08234426 -2.19689502 -2.98691274 1.29505719 -0.88850306 2.77280672
 5.72686538 0.78607855 2.72616681 -3.4041237]
 Sample 812: [2.8819788 0.80729709 0.43561232 2.29440048 2.4898587
 -1.24423953
 3.11620218 -2.15599784 -3.06018032 1.3798611 -0.86092544 2.73750724
 5.70730429 0.81496939 2.72871935 -3.4077299]
 Sample 813: [2.91368181 0.83902506 0.37128188 2.23036705 2.47328847
 -1.30291327
 3.02447386 -2.16194819 -3.09829827 1.45060569 -0.83818919 2.71975625
 5.66072671 0.78368504 2.7214045 -3.33572858]
 Sample 814: [2.88025524 0.82105596 0.39628674 2.17179857 2.48285078
 -1.31777728
 3.05241489 -2.18719177 -3.16058778 1.35982905 -0.8202425 2.752665
 5.78263926 0.85692904 2.75768193 -3.40141984]
 Sample 815: [2.85421496 0.83349572 0.4223098 2.1806192 2.46533755
 -1.31809776
 3.09362331 -2.17813892 -3.13341179 1.39001602 -0.8846153 2.82465172
 5.73586793 0.84934121 2.85125318 -3.39617572]
 Sample 816: [2.83343086 0.84614771 0.3827289 2.14353716 2.49540601
 -1.35104745
 3.13629345 -2.20717138 -3.14731595 1.42714429 -0.85645029 2.77242743
 5.64430498 0.86011899 2.81669296 -3.41272756]
 Sample 817: [2.80260368 0.86356119 0.45538744 2.03807458 2.56162914
 -1.34008915
 3.14561958 -2.23310274 -3.12377842 1.44938367 -0.81472561 2.84961643
 5.57351335 0.87332046 2.86970482 -3.39254957]
 Sample 818: [2.68423508 0.80601451 0.40227004 2.05255857 2.62584166
 -1.26545678
 3.07125475 -2.26562336 -3.12749775 1.45252194 -0.80213733 2.91308357
 5.50115985 0.87024572 2.8848634 -3.30106469]
 Sample 819: [2.58236653 0.85782871 0.44147931 2.09610039 2.58253499
 -1.30595538
 3.04340161 -2.28560606 -3.06570021 1.35674743 -0.82364917 2.86210549
 5.46425032 0.85346346 2.90283104 -3.28215186]
 Sample 820: [2.56435385 0.88058395 0.42110725 2.09565166 2.53291771
 -1.28489285
 3.19953028 -2.23442532 -3.1123752 1.30781084 -0.86502044 2.87944735
 5.3930699 0.87191663 2.83224094 -3.29488357]
 Sample 821: [2.60028675 0.86945039 0.43370345 2.04857836 2.52009239
 -1.29996886
 3.23668197 -2.27586028 -3.06733541 1.29188383 -0.79179967 2.76538818
 5.35619247 0.90356615 2.85190811 -3.3270405]
 Sample 822: [2.57207464 0.86376412 0.43468216 1.98084239 2.58797486
 -1.28467275
 3.22497341 -2.28618759 -3.09608759 1.19537911 -0.74595068 2.71399344
 5.40151315 0.9967624 2.86140084 -3.35606119]

Sample 823: [2.5837802 0.84174182 0.43109176 1.98719661 2.64563161
 -1.29629896
 3.13806051 -2.24565279 -3.06343459 1.18956206 -0.81855144 2.76461863
 5.42988005 1.05636768 2.81567038 -3.35715996]
 Sample 824: [2.5776342 0.81402743 0.42784027 1.94211859 2.66440199
 -1.25725283
 3.14761772 -2.2359851 -3.09633589 1.24632112 -0.87021184 2.73586168
 5.34533553 1.06482411 2.80734122 -3.34831519]
 Sample 825: [2.53841578 0.81992827 0.39782376 1.92825584 2.67029005
 -1.34490842
 3.18527618 -2.13339552 -3.12188777 1.25457458 -0.89305943 2.74606408
 5.32628736 1.08656548 2.80243146 -3.3898544]
 Sample 826: [2.50631459 0.87956835 0.4055374 1.88648431 2.64616017
 -1.29034423
 3.17269686 -2.12718878 -3.08582569 1.25271772 -0.82504925 2.82561089
 5.27460055 1.13810027 2.8359686 -3.35012589]
 Sample 827: [2.49972524 0.88960401 0.40797362 1.88680636 2.51697497
 -1.30378953
 3.19819529 -2.16338628 -3.12224117 1.15783842 -0.89532776 2.76758295
 5.2452645 1.13025176 2.8635186 -3.35796889]
 Sample 828: [2.55626139 0.80785245 0.4240672 1.85944537 2.48354729
 -1.33340237
 3.14719902 -2.19646105 -3.06799158 1.11522718 -0.97872709 2.86354541
 5.32243227 1.12681005 2.88299909 -3.40679939]
 Sample 829: [2.50857046 0.88506003 0.41445847 1.90963679 2.47058008
 -1.36978857
 3.08506001 -2.19223927 -3.09569934 1.09968432 -0.95863651 2.87532426
 5.21956962 1.11273345 2.76972242 -3.4334195]
 Sample 830: [2.53443803 0.75693284 0.42553773 1.9575327 2.41333116
 -1.48432225
 3.08577786 -2.1779143 -3.02263544 1.10112823 -0.92938438 2.84078327
 5.12278271 1.01959253 2.79866779 -3.43227273]
 Sample 831: [2.41652544 0.87943108 0.41706543 1.92304573 2.35024036
 -1.48642732
 3.11155115 -2.24489863 -2.95962636 1.17844203 -0.91818283 2.82899441
 5.0944748 1.01325029 2.75563345 -3.32916598]
 Sample 832: [2.39639011 0.82321476 0.44262079 1.8870048 2.42156188
 -1.44304838
 3.08924538 -2.26304146 -2.98847703 1.17522017 -0.88163565 2.88037025
 5.02050673 1.0912142 2.74246605 -3.27594686]
 Sample 833: [2.42613564 0.80008524 0.41376108 1.78922153 2.48635985
 -1.45447831
 3.03814862 -2.21177317 -2.96935872 1.20841833 -0.94664245 2.83020108
 5.11536842 1.07019382 2.66851237 -3.28618305]
 Sample 834: [2.41513341 0.79638603 0.43795472 1.81054311 2.55340521
 -1.504306
 3.00806679 -2.24217876 -2.94553867 1.23889065 -0.96022807 2.82152836
 5.10081809 1.04037679 2.58495784 -3.28607745]

Sample 835: [2.36671847 0.81692131 0.41820929 1.8062316 2.6422803
 -1.51537414
 3.06902658 -2.21596985 -2.8743865 1.22921802 -0.94140072 2.74794717
 5.08545516 1.04465905 2.51169269 -3.36827059]
 Sample 836: [2.22735515 0.81568679 0.42764277 1.9360914 2.69232903
 -1.46343504
 3.13252969 -2.18655287 -2.95167273 1.16583426 -0.95279539 2.77747407
 5.11422901 1.05119662 2.58498548 -3.40433785]
 Sample 837: [2.15384317 0.80729525 0.39849594 1.93177806 2.7138357
 -1.46160263
 3.15784075 -2.13559989 -2.99411565 1.18503542 -1.05490427 2.71945709
 5.16818361 1.1098119 2.45328841 -3.35448914]
 Sample 838: [2.15044265 0.80698747 0.41329887 1.9478075 2.72444574
 -1.5016179
 3.10932518 -2.1092806 -2.96053599 1.14877279 -1.12049901 2.70831309
 5.15582168 1.06269996 2.42194383 -3.37948532]
 Sample 839: [2.13427152 0.83809934 0.41041801 1.94391524 2.66857559
 -1.56828331
 3.03079959 -2.18634512 -2.92629189 1.15478047 -1.08138862 2.72896124
 5.09863882 1.09239807 2.31838354 -3.40841293]
 Sample 840: [2.14531751 0.82228697 0.42542172 1.94600223 2.67497818
 -1.53502822
 3.12121869 -2.15438255 -2.919412 1.29193736 -1.06465546 2.69235198
 5.09103617 1.10971106 2.29291596 -3.4636184]
 Sample 841: [2.10353459 0.81557421 0.43000671 1.9620315 2.62979837
 -1.52823566
 3.20838491 -2.23859089 -2.89785956 1.36093409 -1.12449846 2.77779738
 5.10606582 1.17206554 2.3309675 -3.50594681]
 Sample 842: [2.09818135 0.80079067 0.44355866 1.98675096 2.6006344
 -1.50792375
 3.13961837 -2.29613206 -2.84069751 1.43642366 -1.23112821 2.74479955
 5.14073594 1.13738366 2.45562918 -3.46572981]
 Sample 843: [2.03007032 0.82911546 0.43899005 1.98210528 2.66487253
 -1.53209938
 3.11923204 -2.32554947 -2.79216506 1.53332876 -1.2041132 2.76741193
 5.13770712 1.14011171 2.49110151 -3.45156796]
 Sample 844: [2.00624354 0.8106797 0.47276722 1.94341911 2.62134814
 -1.66456655
 3.23139279 -2.37101125 -2.77503575 1.5390216 -1.13929008 2.7513479
 5.15482742 1.14414712 2.55686753 -3.44983021]
 Sample 845: [2.01194636 0.82752632 0.45358873 2.0425416 2.59188826
 -1.60910465
 3.22144271 -2.40701498 -2.81950164 1.49342359 -1.1979247 2.74317587
 5.11922146 1.18780087 2.54417874 -3.38630828]
 Sample 846: [2.03793703 0.8597607 0.46314667 2.04293223 2.52300949
 -1.61865371
 3.11222333 -2.4012157 -2.83728727 1.46445526 -1.14783475 2.7029448
 5.16803857 1.15341006 2.45400331 -3.32548584]

Sample 847: [2.02539489 0.78700678 0.4596265 2.04421495 2.42480792
 -1.64032723
 3.10501112 -2.38053391 -2.8283007 1.33751387 -1.09192018 2.68161549
 5.16236098 1.14752776 2.53252615 -3.36193513]
 Sample 848: [2.08790129 0.86119046 0.4452241 2.10116649 2.44741648
 -1.73224667
 3.04310947 -2.34185972 -2.83397133 1.39452535 -1.05784354 2.64159894
 5.17600714 1.18719563 2.58819388 -3.29173711]
 Sample 849: [2.20385916 0.85339854 0.45394958 2.10435107 2.33634484
 -1.7621285
 3.17456085 -2.34114596 -2.82069058 1.31549258 -1.13071486 2.67129622
 5.1775251 1.19513552 2.54524636 -3.30689057]
 Sample 850: [2.22637106 0.89964152 0.46624723 2.04610856 2.36954392
 -1.76083068
 3.15453049 -2.41224107 -2.72907732 1.29573773 -1.17334525 2.70145913
 5.10166917 1.19797196 2.57395025 -3.36077395]
 Sample 851: [2.27970537 0.79996246 0.46334652 2.10080667 2.32067024
 -1.74025402
 3.14738057 -2.44144599 -2.5755481 1.3523821 -1.20971526 2.7184521
 5.09724137 1.249102 2.57010426 -3.30093968]
 Sample 852: [2.3282754 0.80523059 0.47115728 2.07187558 2.34514816
 -1.81081958
 3.00421015 -2.38782129 -2.54497602 1.40437499 -1.27790709 2.77504812
 4.97858777 1.23567173 2.50956361 -3.31312372]
 Sample 853: [2.30810664 0.81971801 0.43381084 2.08346195 2.30583994
 -1.83980392
 2.96158928 -2.37228765 -2.57448985 1.39032913 -1.27399062 2.75869298
 4.97670252 1.19807597 2.52798388 -3.28919887]
 Sample 854: [2.33308447 0.82306926 0.46878831 2.15814245 2.39817612
 -1.86640598
 2.91122617 -2.33328791 -2.60545171 1.42894375 -1.33246824 2.73262936
 5.01047474 1.18452779 2.4830908 -3.27779258]
 Sample 855: [2.3642667 0.76418311 0.4132308 2.18969548 2.34054346
 -1.85121531
 2.95222284 -2.26421389 -2.59324529 1.42063723 -1.33040591 2.74052162
 5.01497451 1.18594204 2.51708078 -3.36172407]
 Sample 856: [2.43256615 0.75091931 0.4684695 2.11499827 2.39737922
 -1.84970934
 2.84023651 -2.3153858 -2.60719214 1.39849288 -1.21080731 2.73131796
 5.03214617 1.23583895 2.54303548 -3.3690487]
 Sample 857: [2.35741803 0.75319828 0.44153846 2.02425109 2.41974887
 -1.85070335
 2.81120012 -2.38224385 -2.6443457 1.46456423 -1.23744054 2.72348955
 4.99536223 1.19923135 2.55484477 -3.27929896]
 Sample 858: [2.3404568 0.7905128 0.48714422 1.98394178 2.38754384
 -1.85174509
 2.87602876 -2.41497897 -2.66821315 1.51378616 -1.25666002 2.71772935
 5.00512424 1.06833599 2.58820419 -3.30582809]

Sample 859: [2.35117671 0.76765766 0.43202511 1.96524124 2.41614224
 -1.87231402
 2.86616079 -2.37101689 -2.64267991 1.49591971 -1.24348619 2.73784279
 5.11373242 1.00667573 2.5688115 -3.33998809]
 Sample 860: [2.23146889 0.81626627 0.4830325 1.99339829 2.43716217
 -1.88395231
 2.86344736 -2.36971117 -2.60591703 1.45490852 -1.27530096 2.73821389
 5.24755814 1.01890836 2.59148417 -3.33833752]
 Sample 861: [2.2150498 0.7821308 0.41724774 2.03027013 2.46599786
 -1.86021409
 2.84923196 -2.32997559 -2.60476425 1.41968466 -1.24065273 2.75985444
 5.19842944 1.03938025 2.59002934 -3.25044703]
 Sample 862: [2.26748234 0.8307304 0.46840134 2.14286003 2.52517346
 -1.90413824
 2.83852656 -2.29779693 -2.60841884 1.40683621 -1.27921036 2.81191895
 5.1746651 0.98448398 2.54259667 -3.21849201]
 Sample 863: [2.14544116 0.73847297 0.42502671 2.09149335 2.56207461
 -1.83348789
 2.91070187 -2.36406361 -2.59494638 1.44857729 -1.30713301 2.93770576
 5.1708037 1.08528647 2.58518427 -3.26007962]
 Sample 864: [2.15278976 0.85455332 0.49251475 2.04861264 2.55506844
 -1.91508127
 2.91571773 -2.40647047 -2.52578394 1.46273941 -1.27562521 2.89251776
 5.11815254 1.03919301 2.63300419 -3.29552865]
 Sample 865: [2.13457551 0.75221212 0.43167836 2.02537873 2.59259249
 -2.02188143
 2.88516636 -2.41627439 -2.44165779 1.40517973 -1.32242226 2.90184756
 5.14918393 1.0601627 2.67690881 -3.27935616]
 Sample 866: [2.20628899 0.80455974 0.4889013 1.94808456 2.54459677
 -2.07665583
 2.90024372 -2.35743673 -2.58086459 1.33580531 -1.34577812 2.83640689
 5.02006455 1.11826984 2.63549556 -3.28678586]
 Sample 867: [2.31912477 0.75190354 0.40698982 2.03616301 2.40802052
 -2.08052441
 2.84214261 -2.30161579 -2.56533623 1.34844704 -1.39123601 2.79267132
 5.00388564 1.10242633 2.63540061 -3.25556347]
 Sample 868: [2.27706984 0.83170539 0.46675115 2.12581032 2.43558416
 -2.13180589
 2.9165374 -2.27437632 -2.62955929 1.33917002 -1.43602063 2.75988886
 5.00596092 1.15297727 2.67949614 -3.28489427]
 Sample 869: [2.29004971 0.74514056 0.38685547 2.07202734 2.33431588
 -1.99269836
 2.87067474 -2.23039468 -2.65591206 1.27287523 -1.51724428 2.76118091
 4.98888015 1.20091096 2.67760943 -3.25438982]
 Sample 870: [2.30675616 0.80306846 0.45734886 2.0953185 2.34439315
 -1.99148961
 2.86847968 -2.19218325 -2.60034112 1.31152946 -1.56853952 2.7841063
 4.9680882 1.16469643 2.60517196 -3.22174974]

Sample 871: [2.25391105 0.79467874 0.39683821 2.0473293 2.38015846
 -2.01506131
 2.92894111 -2.26415524 -2.66384793 1.28802183 -1.519551 2.82060407
 4.99953564 1.24123045 2.55041323 -3.27861781]
 Sample 872: [2.31111257 0.79678803 0.49278559 1.97208312 2.37952612
 -1.96970239
 2.87607128 -2.36575618 -2.62828505 1.33684293 -1.5240596 2.80359099
 5.02837797 1.2857393 2.54639377 -3.31256794]
 Sample 873: [2.26722317 0.82050865 0.44180196 1.87045055 2.39792283
 -2.00883698
 2.86370762 -2.41121921 -2.68640165 1.36261877 -1.52928704 2.82466711
 4.91963845 1.30947786 2.49429018 -3.34134184]
 Sample 874: [2.25531832 0.77098073 0.47117437 1.81879973 2.34352874
 -2.03518059
 2.96020363 -2.4022993 -2.73876156 1.36093327 -1.44546032 2.84071945
 4.90971718 1.21411685 2.58265974 -3.42814596]
 Sample 875: [2.26584964 0.80828648 0.4526788 1.83823052 2.31015222
 -1.99549549
 2.94722848 -2.40483964 -2.79891203 1.4194866 -1.3561599 2.89965765
 4.90519572 1.23405464 2.557455 -3.45431374]
 Sample 876: [2.2198128 0.78062762 0.4497283 1.80262954 2.30503909
 -1.98606619
 2.93033135 -2.26875588 -2.77874744 1.41551405 -1.3913952 2.81011729
 4.94326537 1.29332059 2.5861275 -3.43754631]
 Sample 877: [2.20005283 0.79036547 0.43122561 1.78973587 2.29021636
 -1.91332894
 2.93557339 -2.20983197 -2.82563352 1.43220936 -1.38563538 2.76889217
 4.94330778 1.233382 2.52370771 -3.43166541]
 Sample 878: [2.19186977 0.75401641 0.43449948 1.68459558 2.19664845
 -1.95717913
 2.97968968 -2.23729492 -2.83239279 1.46600108 -1.35526106 2.74842046
 4.96176688 1.15063266 2.55353263 -3.30003988]
 Sample 879: [2.17915075 0.78541265 0.42165787 1.63475888 2.27529411
 -1.92795057
 3.00420237 -2.20854922 -2.75476056 1.46394669 -1.30669019 2.74903301
 4.93148425 1.18804941 2.50834897 -3.3978979]
 Sample 880: [2.17285863 0.80020189 0.44084178 1.65547377 2.35864514
 -1.91177622
 2.98611957 -2.27118766 -2.71625371 1.44510645 -1.33105677 2.76095373
 4.96759407 1.14898451 2.53009711 -3.38151904]
 Sample 881: [2.18101122 0.76582345 0.44769042 1.61225523 2.35009094
 -1.90768796
 2.97380175 -2.36735068 -2.65145334 1.37905384 -1.36480908 2.75234174
 4.99493507 1.0616713 2.43051658 -3.367659]
 Sample 882: [2.17327225 0.79675922 0.47055237 1.62521312 2.41260345
 -1.91458087
 3.01377896 -2.38673305 -2.69572835 1.36536312 -1.36294623 2.72788462
 4.95990643 1.09056806 2.38177578 -3.4209456]

Sample 883: [2.22633613 0.83124521 0.46228268 1.64593184 2.42872245
 -1.95712263
 3.10591073 -2.40184694 -2.67717799 1.41391654 -1.31191355 2.6869296
 5.0859698 1.11462858 2.43534987 -3.4429391]
 Sample 884: [2.13864817 0.8324617 0.45158746 1.61187313 2.57036012
 -1.91214842
 3.23900081 -2.39281102 -2.64090276 1.34971552 -1.29669817 2.68831348
 5.10441866 1.06733818 2.47894817 -3.37226731]
 Sample 885: [2.18764493 0.885222 0.48636148 1.66330003 2.648804
 -1.98153893
 3.2909657 -2.47799557 -2.59856852 1.37352925 -1.33973863 2.69257662
 5.22193666 1.15653903 2.42807921 -3.34408489]
 Sample 886: [2.1295518 0.88738158 0.49101695 1.6864007 2.64037591
 -2.04299962
 3.25555641 -2.63054454 -2.57874333 1.31640292 -1.31809624 2.77197991
 5.16782015 1.15970121 2.41051265 -3.40272067]
 Sample 887: [2.18627544 0.81137292 0.53854476 1.65702564 2.5819456
 -2.15029509
 3.31897469 -2.72477637 -2.57381378 1.32087561 -1.35612475 2.78761349
 5.19725844 1.21649109 2.38940921 -3.42665227]
 Sample 888: [2.26400321 0.90596754 0.4987313 1.57641606 2.63063512
 -2.15549013
 3.32591788 -2.62571246 -2.60512807 1.29669148 -1.36034736 2.75140094
 5.17828712 1.28397642 2.33906072 -3.46587354]
 Sample 889: [2.23935268 0.85674174 0.51431269 1.61493581 2.54934782
 -2.20151979
 3.30953606 -2.58498248 -2.60557492 1.24354662 -1.32534193 2.78105838
 5.13723045 1.35494761 2.33634483 -3.42410011]
 Sample 890: [2.3010913 0.8626735 0.48660198 1.54783733 2.55621522
 -2.13976498
 3.29976416 -2.57434367 -2.58385508 1.23242953 -1.3956138 2.85595181
 5.1685767 1.38362907 2.34695737 -3.34509161]
 Sample 891: [2.28479427 0.81413552 0.51335762 1.63594436 2.50579254
 -2.11420981
 3.24035804 -2.58840174 -2.46131393 1.22736673 -1.48373483 2.88620204
 5.19189894 1.38920458 2.34781953 -3.40830353]
 Sample 892: [2.28314847 0.85967979 0.47953222 1.64697222 2.48814047
 -2.08720587
 3.19984437 -2.53425239 -2.41643605 1.27332264 -1.51362448 2.87981706
 5.1356606 1.36495429 2.36121686 -3.39777651]
 Sample 893: [2.17619223 0.80901563 0.49597199 1.60797362 2.56020801
 -2.18231507
 3.15538484 -2.51401624 -2.44949198 1.33111399 -1.40410228 2.9025226
 5.15405854 1.32751241 2.37458666 -3.37790245]
 Sample 894: [2.18533574 0.87576605 0.47238458 1.68949473 2.52174202
 -2.10593185
 3.13283017 -2.54616912 -2.48052398 1.30474219 -1.3714106 2.86174111
 5.04481532 1.42319945 2.33097077 -3.37891438]

Sample 895: [2.18856839 0.79929064 0.5171447 1.73688385 2.49204592
 -2.08093453
 3.23265078 -2.51497028 -2.45956216 1.25729129 -1.38127204 2.81239922
 5.05822984 1.30764186 2.26365726 -3.30163115]
 Sample 896: [2.12025188 0.91215269 0.46549885 1.7898281 2.41056587
 -2.0837193
 3.26391953 -2.53545853 -2.44996052 1.31426839 -1.39892231 2.8273891
 5.03231127 1.27223529 2.23619847 -3.33289952]
 Sample 897: [2.11625934 0.82004292 0.52734631 1.81684878 2.50625382
 -2.15822382
 3.28736665 -2.5874 -2.46726354 1.29863315 -1.37800732 2.89359869
 5.10308856 1.24612769 2.32751607 -3.3373191]
 Sample 898: [2.11888413 0.94005554 0.48052797 1.73572645 2.52518584
 -2.22993484
 3.3054762 -2.59884185 -2.44428001 1.3468177 -1.31201088 2.86904099
 5.12836535 1.24646485 2.3579081 -3.37672307]
 Sample 899: [2.13992882 0.87177958 0.53303318 1.77212654 2.59843162
 -2.15834138
 3.28434453 -2.67351255 -2.36155471 1.33449325 -1.2681767 2.90732129
 5.19529018 1.27634036 2.41597286 -3.45467536]
 Sample 900: [2.08923256 0.86403331 0.50726826 1.82218548 2.61828959
 -2.14387495
 3.33469964 -2.65943248 -2.38610076 1.30003023 -1.29509157 2.92652107
 5.23092711 1.25050057 2.40726356 -3.44115144]
 Sample 901: [2.1045344 0.90500855 0.5284037 1.79988541 2.51119641
 -2.1662313
 3.37666233 -2.6483723 -2.43239578 1.27255173 -1.18978714 2.94258119
 5.30252564 1.22139749 2.29165274 -3.45079723]
 Sample 902: [2.13773423 0.86135747 0.52902797 1.84845549 2.54749137
 -2.17353511
 3.47716767 -2.75342496 -2.3700346 1.28763898 -1.23222672 2.89919525
 5.25546372 1.18297939 2.3920248 -3.52210408]
 Sample 903: [2.10099667 0.88206359 0.55487874 1.77900369 2.54937913
 -2.15131645
 3.42394392 -2.78584539 -2.34218356 1.24449018 -1.30742022 2.96823829
 5.24728365 1.21574419 2.30072259 -3.51430292]
 Sample 904: [2.09776617 0.86076689 0.51325987 1.89230031 2.620683
 -2.16866796
 3.42075479 -2.7489904 -2.25325068 1.22088631 -1.37380922 2.92277577
 5.16364994 1.18291866 2.27286513 -3.52495969]
 Sample 905: [2.1717499 0.89283906 0.5419738 1.82271631 2.62715318
 -2.1361613
 3.38413698 -2.8098039 -2.28833498 1.24637706 -1.38210996 2.97921442
 5.11543097 1.13379331 2.35708907 -3.44252969]
 Sample 906: [2.2299127 0.9066702 0.54739137 1.80812084 2.59332374
 -2.13714254
 3.3678979 -2.87244183 -2.24544405 1.27463718 -1.42340545 3.04494937
 5.01722528 1.24676857 2.35372827 -3.53832835]

Sample 907: [2.23679237 0.90596471 0.57092197 1.80557571 2.51356172
 -2.18013513
 3.4279991 -2.81965774 -2.22706158 1.26518496 -1.41396618 3.06407166
 4.94863157 1.27565209 2.34351075 -3.49664243]
 Sample 908: [2.18088454 0.91971985 0.54415224 1.8000754 2.53610494
 -2.2741775
 3.43410984 -2.77903159 -2.20820156 1.29856493 -1.43334137 3.00771198
 4.83963812 1.29782887 2.2981643 -3.45088289]
 Sample 909: [2.14578593 0.90321893 0.55467342 1.84583062 2.51268492
 -2.32333047
 3.44365193 -2.75788806 -2.21977904 1.30357908 -1.50520884 2.92088698
 4.92125487 1.38840717 2.25055948 -3.40162557]
 Sample 910: [2.07666557 0.8696797 0.54083373 1.89217665 2.48441244
 -2.34257808
 3.50660992 -2.81314202 -2.26230522 1.32421966 -1.53310588 2.88633104
 4.98928654 1.42247774 2.24244039 -3.42975663]
 Sample 911: [2.10924107 0.97271733 0.53749419 1.90767031 2.46103134
 -2.41468716
 3.48360494 -2.7803542 -2.21423746 1.39232671 -1.58712868 2.88222875
 5.06545106 1.42016996 2.19497023 -3.32113324]
 Sample 912: [2.05088142 0.89831703 0.53555858 1.83415664 2.57142483
 -2.39359407
 3.44883718 -2.80280256 -2.34788286 1.35893683 -1.54452296 2.86658978
 5.12939144 1.44992852 2.20585609 -3.31438122]
 Sample 913: [2.08324131 0.9334516 0.56158088 1.79570836 2.66580961
 -2.29311126
 3.47306971 -2.84827401 -2.2887738 1.40808575 -1.4805606 2.87308238
 5.18759054 1.43663733 2.1724573 -3.33536623]
 Sample 914: [1.99646394 0.82913101 0.54648081 1.8379039 2.62151439
 -2.30247203
 3.41187787 -2.87213344 -2.28735041 1.52133824 -1.55362274 2.74938522
 5.18568025 1.38543665 2.19533818 -3.41707437]
 Sample 915: [2.02489057 0.92671849 0.5448278 1.90856356 2.64772349
 -2.22793326
 3.41727261 -2.85279841 -2.34801005 1.51700693 -1.56622113 2.73229098
 5.17455486 1.38525997 2.2302028 -3.48051899]
 Sample 916: [1.99369277 0.88826749 0.53647413 1.88320727 2.63520679
 -2.2337921
 3.41395408 -2.77147287 -2.29252548 1.5006818 -1.55733246 2.67539322
 5.15837137 1.37609557 2.28428489 -3.49588164]
 Sample 917: [1.92319382 0.82346205 0.5369513 1.99621687 2.65157472
 -2.22061481
 3.45365577 -2.72047566 -2.18591267 1.48223209 -1.52421272 2.64257837
 5.12407611 1.30110623 2.2010698 -3.46112197]
 Sample 918: [1.95018101 0.90451999 0.53848809 1.96728445 2.65024536
 -2.20044978
 3.46030453 -2.70152753 -2.23668002 1.45542999 -1.47040201 2.66116672
 5.09817711 1.32965459 2.16235162 -3.49679794]

Sample 919: [1.96228662 0.83722924 0.52710526 2.0778381 2.63977699
 -2.24202636
 3.34812995 -2.69732658 -2.25416434 1.43494645 -1.48278025 2.69746112
 5.20744928 1.34169741 2.21652777 -3.48392381]
 Sample 920: [1.96325115 0.850372 0.52597823 2.02759941 2.7183836
 -2.30969734
 3.37136151 -2.72090706 -2.25457958 1.39389162 -1.46483726 2.68229241
 5.28014752 1.30606149 2.20741739 -3.54709245]
 Sample 921: [2.00735842 0.85875249 0.53155749 2.02825856 2.75561619
 -2.32973075
 3.39504908 -2.75011235 -2.22778801 1.45637399 -1.40631171 2.75676303
 5.27057603 1.32966619 2.31296098 -3.54871276]
 Sample 922: [1.9900857 0.81828654 0.52917553 1.94713046 2.56797457
 -2.36626397
 3.43936495 -2.69359934 -2.16655999 1.4317911 -1.40782372 2.78029419
 5.2287044 1.311549 2.35066526 -3.5662871]
 Sample 923: [1.89536477 0.92042372 0.50135048 1.9745512 2.64198852
 -2.39893884
 3.41445219 -2.66417218 -2.19286143 1.35341234 -1.38855794 2.77348256
 5.29748043 1.22810601 2.36039919 -3.57996489]
 Sample 924: [1.88582484 0.87602767 0.52998248 1.98853402 2.71135966
 -2.30973312
 3.45832358 -2.61937185 -2.26070402 1.4103028 -1.46526092 2.77845708
 5.33123319 1.20123601 2.41308959 -3.51140469]
 Sample 925: [1.78827183 0.92984105 0.49743132 1.98751629 2.73283432
 -2.29075632
 3.49698523 -2.68293104 -2.32067678 1.39246119 -1.43613108 2.77574909
 5.36577034 1.19006172 2.41635898 -3.45925821]
 Sample 926: [1.74744889 0.94074371 0.54201664 2.01998114 2.79661006
 -2.30632778
 3.51878429 -2.6963228 -2.38113238 1.40768265 -1.36577947 2.7329567
 5.40457598 1.20165098 2.39168826 -3.44146622]
 Sample 927: [1.76652582 0.8951836 0.5034394 2.11272709 2.90237089
 -2.25784974
 3.50327475 -2.70410628 -2.43141489 1.34698123 -1.37513532 2.70278969
 5.43774162 1.179227 2.38351741 -3.40741838]
 Sample 928: [1.67309559 0.85284476 0.52996999 2.11387146 2.9198555
 -2.26538587
 3.5450516 -2.67738605 -2.45133872 1.38375341 -1.37134541 2.72198483
 5.44900494 1.13310839 2.3947561 -3.45415127]
 Sample 929: [1.61623316 0.92838873 0.50977361 2.07792876 2.96026789
 -2.23437854
 3.54306611 -2.68949303 -2.55028094 1.39180825 -1.36881224 2.71664893
 5.4946656 1.11420809 2.32927019 -3.39891163]
 Sample 930: [1.73364459 0.94451368 0.52412256 2.07746224 2.9942553
 -2.25558842
 3.50218481 -2.64351393 -2.58530442 1.36274271 -1.32975895 2.83290509
 5.48243821 1.05786643 2.37334794 -3.34906983]

Sample 931: [1.78863825 0.90432334 0.50345866 2.10074071 3.02750315
-2.30995297
3.49662808 -2.67147464 -2.51102157 1.36989516 -1.33768533 2.83454904
5.43973223 1.08079159 2.3473107 -3.42809234]
Sample 932: [1.78563862 0.88073784 0.53003571 2.04533399 3.0061086
-2.34252591
3.48923607 -2.65291425 -2.54665162 1.34129399 -1.34633041 2.87028816
5.43333021 1.17415049 2.36046739 -3.30406176]
Sample 933: [1.80194665 0.93016307 0.50130626 2.13558214 2.92359713
-2.39066266
3.51717724 -2.66686874 -2.50236373 1.31923845 -1.2944187 2.88688793
5.46460478 1.23882747 2.36012555 -3.32390402]
Sample 934: [1.86073372 0.8710895 0.52625859 2.09395037 2.95598371
-2.40382519
3.4995805 -2.66948572 -2.59478244 1.23638646 -1.37716802 2.83009459
5.50522147 1.24612409 2.30157903 -3.29189091]
Sample 935: [1.83923076 0.94933416 0.50986702 2.09914891 2.89202179
-2.43811689
3.55073698 -2.67678306 -2.609696 1.26005754 -1.34786189 2.82217673
5.5097982 1.28829874 2.23107332 -3.24924557]
Sample 936: [1.84930968 0.95899437 0.53466596 2.10847408 2.8287119
-2.45314429
3.52526823 -2.7308282 -2.53547467 1.22586662 -1.32365572 2.85454268
5.42958913 1.36407429 2.23145899 -3.19543694]
Sample 937: [1.88693396 0.95376714 0.52024951 2.1565493 2.90079405
-2.45960368
3.51176237 -2.7270059 -2.56125668 1.22265129 -1.29076746 2.82949744
5.4225906 1.36460879 2.2315898 -3.20357521]
Sample 938: [1.95033922 0.92216686 0.52385113 2.12105887 2.88171462
-2.39139826
3.57712689 -2.6922271 -2.52005986 1.18632363 -1.25138646 2.86662932
5.37552453 1.36022463 2.28431791 -3.1645414]
Sample 939: [1.96079473 0.94053842 0.52001274 2.11067956 2.88328953
-2.38035547
3.55600065 -2.70605247 -2.50655802 1.10868319 -1.26547394 2.91375578
5.2940125 1.32664763 2.2978976 -3.21925011]
Sample 940: [1.89330483 0.98431351 0.52843526 2.13320563 2.94683727
-2.30788584
3.50666197 -2.72650891 -2.51480602 1.04334242 -1.2050435 2.91882804
5.24984006 1.31616852 2.19885972 -3.24211251]
Sample 941: [1.85693922 0.96143809 0.52488034 2.13778762 2.98593106
-2.38855269
3.58650851 -2.75972137 -2.55405833 1.00599901 -1.24828695 2.8811608
5.18674254 1.39188717 2.26128602 -3.19659471]
Sample 942: [1.8767297 0.96122446 0.54897788 2.17483714 2.92714575
-2.43394648
3.61881841 -2.80966679 -2.58326208 1.09239262 -1.32316631 2.96635099
5.2027477 1.43694145 2.18743772 -3.16704118]

Sample 943: [1.84439459 0.91651374 0.51939046 2.18651314 2.91152461
 -2.42008312
 3.6011192 -2.7663612 -2.63405166 1.11771526 -1.37631905 2.97111766
 5.12881542 1.4289917 2.14411844 -3.20891446]
 Sample 944: [1.92980301 0.97065552 0.57367088 2.15592227 2.98900078
 -2.39281623
 3.57771998 -2.80943797 -2.65929321 1.12779675 -1.34922045 2.93430764
 5.09611494 1.40874738 2.03314 -3.2157535]
 Sample 945: [2.02585922 0.94619874 0.49769365 2.12726628 2.99070109
 -2.43984347
 3.49383466 -2.66699556 -2.65396089 1.14424279 -1.36590379 2.91466332
 5.12855952 1.38795917 2.03506769 -3.25639507]
 Sample 946: [2.02325468 0.88552853 0.52448408 2.15018892 2.9382064
 -2.41828393
 3.50855167 -2.70109519 -2.6893738 1.22798644 -1.37299368 2.88957628
 5.08514821 1.45667821 1.96229435 -3.22607621]
 Sample 947: [2.03490091 0.91754323 0.51453176 2.12909859 2.98462028
 -2.45171388
 3.49418335 -2.68099726 -2.74271216 1.22489712 -1.28700664 2.93696257
 5.1808444 1.42269603 1.86733924 -3.23363017]
 Sample 948: [1.99103913 0.8908253 0.51791103 2.11402726 2.97384128
 -2.53687778
 3.43732371 -2.62834578 -2.71021767 1.23296697 -1.30190555 2.84104995
 5.19186278 1.43159817 1.85746839 -3.12337811]
 Sample 949: [1.87390341 0.92555957 0.50531715 2.1141035 3.00240714
 -2.57899673
 3.39608639 -2.66093993 -2.64814448 1.29007675 -1.24657242 2.82680597
 5.18087415 1.40758427 1.88063802 -3.18639298]
 Sample 950: [1.92435128 0.89304731 0.51290753 2.07350253 2.96401716
 -2.60035997
 3.35408149 -2.66338011 -2.66320275 1.31530183 -1.20756938 2.79219013
 5.2263909 1.36248503 1.76800811 -3.21465211]
 Sample 951: [1.92636651 0.93106103 0.51025037 1.99539381 2.91176166
 -2.68016022
 3.35986804 -2.61848831 -2.62160007 1.39554435 -1.1813527 2.75689468
 5.25501788 1.39236681 1.76253314 -3.15703935]
 Sample 952: [1.81023716 0.8831811 0.47277886 1.97728623 2.90765407
 -2.68254567
 3.34172998 -2.5527258 -2.58907666 1.44158215 -1.15712699 2.72587135
 5.23757138 1.36470949 1.76926589 -3.18511843]
 Sample 953: [1.85055874 0.88063732 0.50409621 2.0334505 2.94304951
 -2.69036111
 3.31568935 -2.51213143 -2.52660394 1.34750955 -1.15939017 2.58107681
 5.18515205 1.2827526 1.75163638 -3.16500659]
 Sample 954: [1.83190729 0.83683152 0.49297794 2.03974167 2.98360803
 -2.75450139
 3.37018854 -2.64432718 -2.56263442 1.33232157 -1.22991762 2.60221178
 5.17292001 1.30436889 1.8504161 -3.14306442]

Sample 955: [1.84063812 0.90282977 0.528259 2.12148805 3.06024245
 -2.68552283
 3.35145662 -2.62219826 -2.65043101 1.39255492 -1.29436489 2.66561976
 5.19206108 1.33583504 1.86083117 -3.17890828]
 Sample 956: [1.95620034 0.87011424 0.48299737 2.12117642 3.05559717
 -2.69382494
 3.3240232 -2.61225434 -2.53500308 1.28807424 -1.2577226 2.64271757
 5.26341594 1.43094498 1.91146681 -3.15513818]
 Sample 957: [1.8915385 0.91380799 0.53132449 2.13840172 3.06587285
 -2.68735929
 3.37219021 -2.64110809 -2.51785567 1.30001144 -1.2992264 2.61485299
 5.24773247 1.3246125 1.8713805 -3.09324706]
 Sample 958: [1.84073667 0.94285934 0.4839487 2.12167504 3.15260137
 -2.67967176
 3.31926841 -2.63123444 -2.51701493 1.35416796 -1.25050358 2.62489723
 5.22890606 1.32371703 1.9302523 -3.07706198]
 Sample 959: [1.82481834 0.88022257 0.52990891 2.05015583 3.16378829
 -2.71401802
 3.35226729 -2.62624995 -2.51701875 1.32361627 -1.28201218 2.49212715
 5.18835603 1.32137719 1.98193618 -3.09981927]
 Sample 960: [1.83059373 0.92605135 0.47363491 2.03957933 3.16650799
 -2.71412554
 3.34469143 -2.62002832 -2.53345041 1.1826345 -1.13065469 2.40781521
 5.06614759 1.27665503 1.96131718 -3.082629]
 Sample 961: [1.87568835 0.81303161 0.54506113 1.98129706 3.1774708
 -2.71768025
 3.35121691 -2.66388508 -2.52438767 1.23659851 -1.21500132 2.35523651
 5.05611651 1.36399873 1.99855214 -3.09197118]
 Sample 962: [1.87562935 0.90168469 0.47312361 2.02624159 3.20300652
 -2.77673287
 3.28197199 -2.60820365 -2.5088219 1.17640483 -1.2850782 2.4451924
 5.02847151 1.24752474 2.06118664 -3.21019819]
 Sample 963: [1.89067282 0.88182454 0.53063318 2.0527184 3.13345471
 -2.76374859
 3.26199407 -2.58125239 -2.48073794 1.09244157 -1.36004964 2.43185402
 5.07905492 1.15204124 2.069912 -3.19949076]
 Sample 964: [1.92306104 0.84009697 0.45517561 2.06941587 3.18743524
 -2.70769418
 3.29846781 -2.52815248 -2.47546114 1.07822576 -1.35052976 2.43300672
 5.09734969 1.26227095 2.04103972 -3.13571907]
 Sample 965: [1.86456582 0.86470837 0.52317151 2.16898874 3.2016165
 -2.75585821
 3.32060571 -2.59624731 -2.48156735 1.13108234 -1.4034756 2.44070849
 5.06444669 1.36480724 2.10858104 -3.18066409]
 Sample 966: [1.86092545 0.87416226 0.45604663 2.12751717 3.27111492
 -2.76300708
 3.2931483 -2.49328502 -2.49904274 1.10519626 -1.41469246 2.36251866
 5.00568272 1.34374756 2.02295788 -3.09156287]

Sample 967: [1.84905443 0.89911541 0.49598776 2.1263414 3.2301419
 -2.79390333
 3.35322689 -2.46677221 -2.50168984 1.12479883 -1.43161159 2.39542669
 4.85507446 1.30888424 2.05862324 -3.11536402]
 Sample 968: [1.79023918 0.9147799 0.47041818 2.20086917 3.32923644
 -2.7816697
 3.31444883 -2.52900087 -2.51559496 1.23425498 -1.39954108 2.30292228
 4.91697361 1.34101371 2.08487006 -3.09065135]
 Sample 969: [1.89879281 0.85794945 0.53544484 2.20051282 3.35477368
 -2.70335975
 3.27521127 -2.64032909 -2.51852722 1.30112909 -1.39124292 2.25232236
 4.86006497 1.36330319 2.09606465 -3.06006406]
 Sample 970: [1.87602556 0.88254374 0.50076219 2.15879408 3.44648623
 -2.73582515
 3.185943 -2.69530386 -2.54416276 1.33987982 -1.39795034 2.25684479
 4.88755572 1.38467639 2.08158345 -3.07255762]
 Sample 971: [1.94179742 0.83031872 0.54746255 2.1675349 3.4714944
 -2.74705471
 3.13117884 -2.68413296 -2.48461172 1.33233934 -1.34667808 2.24312277
 4.87103296 1.39789765 2.13983934 -3.14861427]
 Sample 972: [1.92793979 0.81879547 0.48848244 2.13963712 3.49275164
 -2.7410758
 3.21129961 -2.68185598 -2.53645142 1.39156525 -1.40303148 2.23627591
 4.89151652 1.39235548 2.10970084 -3.07389283]
 Sample 973: [1.88125421 0.81922514 0.53759054 2.1738864 3.43243506
 -2.72959669
 3.1380965 -2.6513611 -2.54759396 1.36199946 -1.35038907 2.15770016
 4.90748638 1.37816185 2.17464628 -3.12745133]
 Sample 974: [1.85896119 0.84783605 0.47917032 2.28215878 3.37228277
 -2.727443
 3.13631717 -2.64588615 -2.58787703 1.28237572 -1.3159588 2.19403681
 4.88553347 1.442355 2.22058219 -3.03911481]
 Sample 975: [1.85394261 0.84268308 0.55328088 2.24274992 3.4343387
 -2.71048273
 3.13511481 -2.69979014 -2.55475075 1.23216247 -1.31964582 2.20113503
 4.86567525 1.46776469 2.28428812 -3.03163537]
 Sample 976: [1.84575535 0.82574706 0.48829207 2.31436826 3.4098155
 -2.78829513
 3.14751515 -2.68740875 -2.6000832 1.18541203 -1.43025526 2.17178716
 4.90879232 1.39092977 2.20164763 -2.92330695]
 Sample 977: [1.80878972 0.83496793 0.55912606 2.30373389 3.35596644
 -2.81318119
 3.06665101 -2.72900826 -2.56898073 1.19896882 -1.43348735 2.135612
 4.82635548 1.42584934 2.23427592 -2.93422386]
 Sample 978: [1.84621741 0.89298639 0.49144307 2.33149889 3.33254655
 -2.8533999
 3.12880343 -2.7395095 -2.63330919 1.20540168 -1.48363887 2.21620823
 4.81329078 1.44703234 2.15523151 -2.93283358]

Sample 979: [1.75853656 0.84936493 0.5523695 2.34258194 3.3702272
 -2.94901549
 3.18828144 -2.69619248 -2.58968841 1.22790294 -1.54964028 2.26412105
 4.81025649 1.40490592 2.08170156 -2.90039197]
 Sample 980: [1.79408212 0.86899128 0.50038209 2.35803505 3.34362574
 -2.9203736
 3.15632138 -2.74893634 -2.54942148 1.10085743 -1.66269084 2.22886385
 4.74911046 1.3851887 2.07430244 -2.93071764]
 Sample 981: [1.70829744 0.8117034 0.54892202 2.37353809 3.32448913
 -2.98874168
 3.07645542 -2.71353507 -2.62934948 1.20362212 -1.63805672 2.23018559
 4.64389207 1.36106773 2.18313025 -2.9698652]
 Sample 982: [1.70508728 0.81567117 0.51404192 2.4071198 3.30787761
 -2.99431568
 3.0442911 -2.77869052 -2.62519889 1.19466501 -1.58347598 2.29129201
 4.66721489 1.34129238 2.19748233 -2.98033524]
 Sample 983: [1.64828011 0.832783 0.57177399 2.45411971 3.30943729
 -2.93300511
 3.15429822 -2.81651858 -2.58512971 1.17698752 -1.62825086 2.38608687
 4.76181617 1.37098709 2.2161547 -2.95870393]
 Sample 984: [1.60360364 0.85257031 0.49727978 2.50128279 3.30506863
 -2.94917393
 3.11548904 -2.70301931 -2.65720025 1.21588388 -1.59258748 2.30124092
 4.75390813 1.35390489 2.25938977 -2.95144714]
 Sample 985: [1.51282145 0.8744633 0.53697896 2.47725383 3.38766901
 -2.9047123
 3.13506054 -2.66757309 -2.67928899 1.16137261 -1.53874868 2.35438485
 4.84869823 1.31086522 2.28078041 -2.97902403]
 Sample 986: [1.41546036 0.83970817 0.51598276 2.52794019 3.43631035
 -2.92747782
 3.22253679 -2.73080216 -2.5915633 1.12281296 -1.47788666 2.37040467
 4.8427863 1.23497575 2.39938284 -3.09729715]
 Sample 987: [1.43311342 0.83722381 0.53688302 2.60983708 3.53480593
 -2.85207068
 3.12642659 -2.71818273 -2.51230081 1.14875434 -1.49986929 2.42296829
 4.83249547 1.23516707 2.41513506 -3.03814991]
 Sample 988: [1.4880304 0.8577028 0.52914182 2.62209303 3.501927
 -2.73463145
 3.03067524 -2.7864466 -2.5316255 1.1524277 -1.49289803 2.28956553
 4.88610848 1.1611423 2.42395478 -3.02436032]
 Sample 989: [1.43340548 0.79253315 0.54850782 2.60611467 3.42919216
 -2.82022129
 3.0462885 -2.75319238 -2.56793129 1.15362227 -1.55219037 2.24898161
 4.82391562 1.13214867 2.39525487 -3.0261811]
 Sample 990: [1.47598418 0.80955877 0.49922665 2.60956008 3.38310721
 -2.76028825
 3.04666784 -2.65087476 -2.55584863 1.05170684 -1.52322933 2.27361347
 4.79259456 1.07558654 2.34337992 -3.08940617]

Sample 991: [1.60854425 0.8010601 0.52726689 2.58308673 3.34970538
 -2.75974182
 3.10940388 -2.68008862 -2.59323148 1.06001009 -1.56902411 2.23501741
 4.81683128 0.99791634 2.24966529 -3.09441109]
 Sample 992: [1.6032308 0.77988805 0.53033985 2.54684764 3.35758458
 -2.77554161
 3.14999964 -2.78346098 -2.566379 0.98271084 -1.60916208 2.2500113
 4.78564429 0.99979373 2.24062184 -3.07785516]
 Sample 993: [1.55921987 0.86303614 0.55136461 2.54365243 3.38746035
 -2.7973366
 3.04258973 -2.80176366 -2.55252252 0.98493124 -1.61502633 2.32171423
 4.81162646 1.01165951 2.18527305 -3.03620349]
 Sample 994: [1.60459227 0.86368365 0.52080856 2.62611302 3.40331905
 -2.78045522
 3.05906467 -2.78468023 -2.50554976 1.04950289 -1.6834998 2.3519245
 4.83796935 0.91141541 2.19929725 -2.99518402]
 Sample 995: [1.64513608 0.84226614 0.57115939 2.53284329 3.3568229
 -2.79140062
 3.10107501 -2.84188043 -2.46799925 1.02962189 -1.6388934 2.33648811
 4.95117766 0.97912585 2.13893849 -2.98898125]
 Sample 996: [1.57844066 0.8485613 0.53238409 2.67010436 3.43703901
 -2.77812606
 3.17448512 -2.82824085 -2.49217297 1.06048378 -1.60196463 2.32105743
 5.02555272 0.94523234 2.1364154 -2.99424342]
 Sample 997: [1.58861861 0.84802051 0.55124756 2.74177932 3.49983867
 -2.79949104
 3.10831742 -2.73747359 -2.46670034 1.02729605 -1.60211943 2.24147487
 5.00433175 0.91569881 2.07793475 -3.00469966]
 Sample 998: [1.55746233 0.881384 0.5331112 2.8257933 3.52137271
 -2.74795218
 3.07628708 -2.85317967 -2.42701259 0.96394778 -1.60950364 2.31465646
 5.04564886 0.89667969 2.11658016 -2.94657848]
 Sample 999: [1.5551187 0.84315818 0.56909989 2.8262781 3.51039214
 -2.76870715
 3.05994486 -2.82782366 -2.41781211 0.95796557 -1.66072305 2.28612728
 4.99768558 0.94339605 2.04920465 -2.90732862]
 Sample 1000: [1.50692184 0.80393795 0.5250101 2.72552489 3.5051723
 -2.81757195
 3.04281138 -2.82951767 -2.48466664 0.9481641 -1.65728939 2.34948891
 4.97336474 0.93942652 2.11281857 -2.91232033]
 Sample 1001: [1.53683185 0.85556889 0.5670186 2.70179288 3.51971784
 -2.75919416
 3.00785255 -2.79774197 -2.54306062 0.9731801 -1.67694793 2.34017886
 5.10831855 0.95374296 2.01493927 -2.94355102]
 Sample 1002: [1.57583053 0.78540459 0.51374978 2.76021492 3.45222877
 -2.74159762
 2.9132576 -2.7787283 -2.59356701 1.01113509 -1.58187004 2.26322449
 5.13016897 0.95264386 2.07573881 -2.9977617]

Sample 1003: [1.59697773 0.83534533 0.56702228 2.71569278 3.53636724
 -2.77274283
 2.81467447 -2.84301184 -2.6158279 1.06863003 -1.60126029 2.1800736
 5.0966108 0.9097956 2.09306846 -3.06470682]
 Sample 1004: [1.567408 0.7185318 0.52991028 2.64935157 3.6522166
 -2.7067667
 2.90805266 -2.79017184 -2.60895021 1.09552122 -1.55825187 2.22541833
 5.03600369 0.94023482 2.15784991 -3.12291562]
 Sample 1005: [1.56056938 0.76778436 0.54377211 2.74197085 3.586054
 -2.69336199
 2.83985306 -2.7347416 -2.63611244 1.06209581 -1.51776463 2.17277557
 4.98522771 0.98219478 2.19736615 -3.13574037]
 Sample 1006: [1.58562474 0.74029954 0.52958853 2.76879203 3.48409678
 -2.73764629
 2.8225271 -2.79496581 -2.61916052 0.97412367 -1.50043453 2.18684964
 4.92395567 0.9880213 2.17612709 -3.12049632]
 Sample 1007: [1.57757387 0.77897232 0.55350726 2.69785431 3.50475299
 -2.61390031
 2.89107946 -2.83251648 -2.53756962 1.02306986 -1.51153391 2.20261337
 4.98392825 0.94610543 2.16049633 -3.06036065]
 Sample 1008: [1.56339019 0.80732971 0.54486558 2.77333438 3.50621321
 -2.66601353
 2.89122038 -2.84298928 -2.57690008 1.00908292 -1.53091007 2.20344589
 4.85442316 0.80347118 2.19496653 -3.05895912]
 Sample 1009: [1.56696899 0.77173621 0.5674541 2.77347473 3.55338337
 -2.65121686
 2.80094138 -2.83761789 -2.53072163 1.02950494 -1.53087029 2.2462734
 4.95481843 0.77157351 2.20669194 -3.11742071]
 Sample 1010: [1.61363921 0.7539505 0.5395227 2.7961511 3.48071474
 -2.59187057
 2.80644442 -2.87610972 -2.53658534 1.07067776 -1.51278044 2.28019917
 4.94727022 0.84563726 2.22411323 -3.14315663]
 Sample 1011: [1.6102817 0.73596543 0.56802517 2.89652451 3.42177753
 -2.61945412
 2.8710833 -2.86305751 -2.55067706 1.07379738 -1.44449476 2.26704428
 4.90179358 0.82038924 2.15992855 -3.17862475]
 Sample 1012: [1.61832989 0.79592628 0.55917268 2.93986888 3.46114923
 -2.58577639
 2.8849602 -2.89703949 -2.52519968 1.05701161 -1.45542001 2.28069364
 4.90725501 0.81687477 2.22829253 -3.18653478]
 Sample 1013: [1.65116974 0.73563289 0.56286698 2.79276752 3.49664215
 -2.6011568
 2.90741084 -2.85109152 -2.48815914 1.12555725 -1.46031271 2.2970934
 4.95105828 0.89614347 2.12604398 -3.24510844]
 Sample 1014: [1.70316399 0.81255003 0.5283915 2.78821533 3.51214256
 -2.50934046
 2.99211895 -2.83596188 -2.47530634 1.10274698 -1.47845578 2.39259766
 4.91920032 0.85445032 2.19631158 -3.25531844]

Sample 1015: [1.72883053 0.84740383 0.53887835 2.75103157 3.54190943
 -2.49503735
 2.96662622 -2.77401676 -2.39638153 1.09949984 -1.47832624 2.35030941
 4.90108276 0.8194665 2.18169277 -3.20109865]
 Sample 1016: [1.71524753 0.81440818 0.54723964 2.74934069 3.5769121
 -2.6283653
 2.93065836 -2.77157603 -2.38548568 1.10025673 -1.45836196 2.35957797
 4.86634771 0.80925733 2.10799553 -3.11085821]
 Sample 1017: [1.76135443 0.72877891 0.54865343 2.75106224 3.60380319
 -2.74021488
 2.96277132 -2.79570786 -2.44214181 1.10105244 -1.45532492 2.42141752
 4.85671073 0.75022246 2.09526031 -3.22171238]
 Sample 1018: [1.67856695 0.82078422 0.53600761 2.82242127 3.56849871
 -2.67028673
 2.96340589 -2.76255142 -2.46381257 1.10990237 -1.30389705 2.33756546
 4.86775546 0.67852347 1.9950777 -3.298937]
 Sample 1019: [1.7198423 0.74679402 0.54846512 2.8781801 3.51059139
 -2.7166885
 3.0669766 -2.71478973 -2.40359879 1.1529428 -1.31824124 2.30934685
 4.82723147 0.70200726 1.93351582 -3.29850822]
 Sample 1020: [1.7109247 0.85155244 0.50005129 2.90766256 3.53678251
 -2.75121151
 3.08076027 -2.67152723 -2.39458749 1.25245579 -1.26413994 2.29969815
 4.79650071 0.68869688 1.8881814 -3.28003195]
 Sample 1021: [1.7295045 0.72176321 0.52474918 2.9082097 3.53993848
 -2.74472922
 3.10621796 -2.7647027 -2.37411367 1.32733979 -1.34642249 2.33179772
 4.76089528 0.67123178 1.91221526 -3.23207218]
 Sample 1022: [1.78254542 0.79466677 0.52501309 2.89496203 3.5317368
 -2.83157754
 3.08565777 -2.71795912 -2.39538838 1.36071637 -1.34066103 2.38980752
 4.82886739 0.6245797 1.95362295 -3.21145163]
 Sample 1023: [1.75067723 0.81472716 0.49464499 2.90614448 3.42836151
 -2.84517488
 3.14336316 -2.63099156 -2.30500596 1.43632784 -1.37497488 2.39605585
 4.78506604 0.6406322 1.91302698 -3.22160911]
 Sample 1024: [1.74444352 0.84223553 0.54067201 2.8762264 3.39097821
 -2.838998
 3.13268978 -2.66330425 -2.30931692 1.39681013 -1.36634057 2.39058561
 4.85995935 0.59596477 1.9297336 -3.21244457]
 Sample 1025: [1.68721945 0.819687 0.4714046 2.88355063 3.34557348
 -2.88514498
 3.18882133 -2.60067368 -2.28655278 1.50133692 -1.44360119 2.34273396
 4.83416768 0.60398863 1.95851886 -3.2243066]
 Sample 1026: [1.61670358 0.81823203 0.5234723 2.86305379 3.27413243
 -2.85122805
 3.22879466 -2.52359752 -2.19285464 1.51376513 -1.43526335 2.2915817
 4.86392557 0.55109498 2.03917355 -3.15696054]

Sample 1027: [1.60004832 0.86594363 0.45531855 2.94522288 3.34732733
 -2.7963797
 3.26540418 -2.50634736 -2.23635347 1.45249651 -1.40304645 2.23629327
 4.93220712 0.60143908 2.03881827 -3.18473368]
 Sample 1028: [1.60235225 0.80918375 0.4961368 2.8971747 3.26877565
 -2.82947792
 3.20607065 -2.47441478 -2.1955551 1.50120211 -1.29642547 2.20137876
 4.7860084 0.64364066 2.09064128 -3.23630211]
 Sample 1029: [1.6018046 0.84422058 0.45211757 2.92587661 3.26989874
 -2.89954766
 3.21061046 -2.44714981 -2.18837074 1.56942622 -1.12049991 2.24455457
 4.8236623 0.69106206 2.13779344 -3.2246847]
 Sample 1030: [1.62250849 0.86199925 0.48037938 2.8905546 3.20460039
 -2.93759222
 3.1849506 -2.4550548 -2.21440589 1.45622921 -1.14564467 2.26223285
 4.7482672 0.72521104 2.08044001 -3.24971382]
 Sample 1031: [1.59206592 0.86064845 0.49806829 2.86792136 3.23381203
 -3.04847566
 3.23245688 -2.57363061 -2.23087049 1.47273122 -1.12558004 2.30345001
 4.76914524 0.69571585 2.01563843 -3.27699193]
 Sample 1032: [1.58636339 0.82927757 0.5009887 2.89477341 3.23195855
 -3.104383
 3.25116794 -2.53122206 -2.3493124 1.45554374 -1.17387889 2.26235739
 4.6970365 0.68427308 2.07346757 -3.13472157]
 Sample 1033: [1.61562506 0.8832163 0.49659704 2.93438109 3.09953161
 -3.10929251
 3.31272111 -2.64111861 -2.31246806 1.39593634 -1.16790148 2.35463735
 4.77847723 0.6336845 2.10117769 -3.02873638]
 Sample 1034: [1.55416432 0.85915431 0.50173614 2.92490835 3.0917705
 -3.19183265
 3.28700796 -2.57552733 -2.38953166 1.41173473 -1.23248265 2.44228035
 4.79849237 0.64990172 2.06560721 -3.04735711]
 Sample 1035: [1.55161104 0.85087035 0.49034361 2.94903716 3.0914313
 -3.24801951
 3.28140395 -2.55440133 -2.28892288 1.41485648 -1.21749439 2.4593158
 4.77097453 0.67016152 2.05937265 -3.07333509]
 Sample 1036: [1.54421629 0.94492979 0.48678553 2.91395332 3.16934851
 -3.2286881
 3.36687533 -2.51085158 -2.26854916 1.39435379 -1.17842997 2.50515015
 4.76206453 0.72031117 2.1485556 -3.05999112]
 Sample 1037: [1.5045659 0.92559392 0.47630019 3.00455454 3.13886683
 -3.27424247
 3.42973551 -2.45818324 -2.28819801 1.36302315 -1.07353671 2.48245909
 4.73425305 0.78335305 2.14231897 -3.09653854]
 Sample 1038: [1.48375831 0.89436652 0.48134045 2.99919309 3.05611309
 -3.30107557
 3.49563293 -2.48221944 -2.29147293 1.31535269 -1.03189177 2.53603156
 4.80342782 0.82049462 2.25344147 -3.11053574]

Sample 1039: [1.41639991 0.89194201 0.47345687 2.94399661 3.01238224
 -3.38612669
 3.48799795 -2.45862069 -2.31239657 1.34922127 -1.00526256 2.59047833
 4.81825621 0.83484843 2.22784693 -3.11160154]
 Sample 1040: [1.34197085 0.98236015 0.46727997 2.91829903 2.91479088
 -3.38773781
 3.50759542 -2.44394703 -2.34467579 1.46155329 -0.95461705 2.60056626
 4.9353675 0.86980008 2.26828538 -2.97196256]
 Sample 1041: [1.3711059 1.02292891 0.48344281 2.88575116 2.9185007
 -3.34130508
 3.64214189 -2.49351984 -2.39199202 1.41072043 -0.85667388 2.62763328
 4.87628866 0.87465257 2.24082544 -2.9900114]
 Sample 1042: [1.35737517 1.01764104 0.48170755 2.84624499 2.94137232
 -3.28831299
 3.66427671 -2.50743451 -2.39065687 1.40882801 -0.85720339 2.57374375
 4.89796327 0.85208029 2.22274679 -3.01803325]
 Sample 1043: [1.3893185 1.01069717 0.48664859 2.82876542 2.96420891
 -3.3419936
 3.7179575 -2.5155678 -2.37497683 1.39780145 -0.85086902 2.56403158
 4.92683847 0.82440526 2.20020882 -3.01021134]
 Sample 1044: [1.42666837 0.93281617 0.48464124 2.78701559 2.96946873
 -3.34657916
 3.71938306 -2.51603103 -2.41390043 1.45712393 -0.733022 2.48409337
 4.86381781 0.73654025 2.17990841 -3.06346547]
 Sample 1045: [1.46446402 0.94739268 0.47429862 2.86568877 2.94972249
 -3.40446652
 3.72594003 -2.44361847 -2.47045441 1.49426223 -0.69823306 2.48641166
 4.81476689 0.73186629 2.1656811 -3.0347478]
 Sample 1046: [1.50621759 0.96978393 0.45944578 2.89845864 2.9618143
 -3.45885018
 3.70322812 -2.40134062 -2.526983 1.41605718 -0.78038762 2.46108596
 4.7667351 0.63677431 2.08520935 -2.97359278]
 Sample 1047: [1.50253591 1.01723288 0.46132102 2.8737475 2.95854769
 -3.40790457
 3.62200379 -2.38617998 -2.62686964 1.38350138 -0.70813092 2.37391995
 4.76208607 0.6170639 2.06778311 -2.97331755]
 Sample 1048: [1.45102278 0.91924984 0.45672265 2.90250451 2.97627849
 -3.35962785
 3.61862436 -2.38650627 -2.67664274 1.34902155 -0.65887638 2.41141975
 4.77108971 0.55560189 2.03964433 -2.93019276]
 Sample 1049: [1.41074148 0.96055189 0.45667084 2.90184 2.96563034
 -3.3618739
 3.65076373 -2.36417074 -2.57468908 1.43980384 -0.63356204 2.35111668
 4.80634396 0.5013435 1.9596946 -2.97105719]
 Sample 1050: [1.46799147 0.92223724 0.45397206 2.95991233 2.93930132
 -3.30298598
 3.65786535 -2.36624781 -2.53623529 1.44408172 -0.74208008 2.37109652
 4.77860223 0.49307721 1.98438637 -3.14585126]

Sample 1051: [1.47022138 0.95921749 0.47698367 2.97261682 2.93197675
 -3.29814459
 3.71456791 -2.42516904 -2.5138068 1.50701767 -0.73227745 2.39683806
 4.72524157 0.48922015 1.90605091 -3.15945193]
 Sample 1052: [1.47445908 0.89807352 0.48243251 2.9477132 2.89020812
 -3.37554487
 3.69647043 -2.54539656 -2.57560907 1.4656972 -0.77633476 2.40629306
 4.74694512 0.487755 1.84254308 -3.16094608]
 Sample 1053: [1.5200132 0.90129892 0.51063793 2.90590099 2.87518266
 -3.34460209
 3.66320569 -2.62799404 -2.63239099 1.43117529 -0.70492228 2.25814144
 4.82115344 0.51746705 1.8479464 -3.23614039]
 Sample 1054: [1.57828794 0.94748233 0.51114363 2.91190757 2.84654347
 -3.34116235
 3.6778294 -2.63812067 -2.61523289 1.35504512 -0.67710937 2.30205314
 4.83430235 0.46068456 1.92008843 -3.18920632]
 Sample 1055: [1.57263994 0.91376701 0.52136159 3.00117633 2.87424168
 -3.43702441
 3.66458157 -2.69713471 -2.65192905 1.43936733 -0.73015716 2.29057157
 4.83589983 0.47660289 1.98206456 -3.12301219]
 Sample 1056: [1.63323437 0.98165853 0.54167059 2.99192476 3.01835127
 -3.45173373
 3.6984179 -2.74045429 -2.67793216 1.39801181 -0.77936392 2.25418902
 4.92353435 0.46366255 1.95588352 -3.09618187]
 Sample 1057: [1.65367787 0.9301326 0.50559641 2.9786226 3.02542963
 -3.46970448
 3.70157853 -2.74358499 -2.68256974 1.48302933 -0.78456017 2.21414096
 4.86459493 0.54676358 1.92116867 -3.09412814]
 Sample 1058: [1.708785 0.97315136 0.56460231 3.00326683 3.01803314
 -3.38768522
 3.67402683 -2.78695186 -2.67687551 1.36561491 -0.78047766 2.30508706
 4.92977056 0.53133931 2.00991606 -3.11905147]
 Sample 1059: [1.68863068 0.89216723 0.52417574 3.03664064 3.08119952
 -3.38501132
 3.64396827 -2.80073193 -2.65466942 1.36626871 -0.75335291 2.30239292
 4.96504545 0.42628974 1.919696 -3.06956668]
 Sample 1060: [1.68891284 0.98331378 0.56488971 2.96862718 3.00467845
 -3.43837176
 3.64384314 -2.81228265 -2.69566261 1.29843467 -0.75266543 2.24295487
 5.017921 0.46224967 1.918437 -3.09533122]
 Sample 1061: [1.7435181 0.87927436 0.54185496 2.88928349 2.9246109
 -3.43459405
 3.69989452 -2.89649755 -2.83810275 1.36127042 -0.81292847 2.21855543
 5.00905422 0.46037638 1.79491498 -3.01100194]
 Sample 1062: [1.83777096 0.93308204 0.56723757 2.81057075 2.9609653
 -3.45151218
 3.68792877 -2.88200928 -2.93291321 1.37482638 -0.75824148 2.281939
 5.04829748 0.48575749 1.7940886 -3.13278234]

Sample 1063: [1.85243715 0.94312712 0.56029361 2.85147226 2.95008853
 -3.43675443
 3.7418181 -2.8977801 -2.89032816 1.48700682 -0.75768475 2.24349718
 5.07630654 0.52054811 1.74881656 -3.15913899]
 Sample 1064: [1.91367108 0.98931659 0.58489078 2.83663864 2.89875146
 -3.35834991
 3.72241888 -2.95550621 -2.96760123 1.42525679 -0.727929 2.19418306
 5.18643314 0.53490866 1.70468136 -3.06660238]
 Sample 1065: [1.84931196 0.96892132 0.56922139 2.8684106 2.87695432
 -3.34328653
 3.85526822 -2.98053063 -2.90380098 1.47116819 -0.69708164 2.15788901
 5.26458493 0.54218692 1.63891911 -3.11078593]
 Sample 1066: [1.88085774 1.0126358 0.59233201 2.9156069 2.84227229
 -3.36160227
 3.81200464 -3.05961511 -2.86109129 1.44823817 -0.72335191 2.2037208
 5.30555419 0.61289163 1.58563553 -3.13366326]
 Sample 1067: [1.99369477 0.934717 0.6130665 2.97805507 2.86124752
 -3.33903394
 3.8150734 -3.13891629 -2.81637061 1.53949486 -0.64692966 2.25484719
 5.30658641 0.59362947 1.52266358 -3.12921022]
 Sample 1068: [1.9646509 0.9429272 0.59521642 2.99473468 2.86390765
 -3.35436541
 3.7748477 -3.10585029 -2.80301145 1.4916775 -0.67201403 2.30733481
 5.27734584 0.65298798 1.56599443 -3.1054659]
 Sample 1069: [1.93175368 0.97062925 0.59517926 2.97062696 2.81691505
 -3.34139869
 3.74885823 -2.98376387 -2.84926683 1.46363468 -0.73654498 2.36560008
 5.41475282 0.67010813 1.62633759 -3.14128796]
 Sample 1070: [1.84329082 0.96310513 0.55404455 2.91249273 2.79647428
 -3.33129383
 3.81139252 -2.94450478 -2.74018517 1.5029873 -0.70855087 2.4557795
 5.425826 0.6402586 1.62390407 -3.12522078]
 Sample 1071: [1.83200972 0.9995226 0.58227427 2.96985048 2.92740832
 -3.30040584
 3.86138055 -2.93040565 -2.80432167 1.51773196 -0.74330351 2.40395628
 5.48491765 0.65545437 1.67197884 -3.19324517]
 Sample 1072: [1.88455716 0.99648756 0.53858877 2.9081715 2.92988215
 -3.28540236
 3.91491251 -2.87937629 -2.84624273 1.57320501 -0.6846669 2.351389
 5.45429208 0.6716716 1.61188207 -3.15571352]
 Sample 1073: [1.80876578 1.03318304 0.57931656 2.83541667 3.01153402
 -3.35589099
 3.93697276 -2.87130344 -2.87928764 1.58874023 -0.67893684 2.38832366
 5.45238337 0.77028755 1.62641484 -3.22784074]
 Sample 1074: [1.78063772 1.03263329 0.53849481 2.84435079 3.00527946
 -3.37167207
 3.96266004 -2.91090119 -3.0033672 1.57516194 -0.75454372 2.39647742
 5.43976963 0.73313806 1.5863455 -3.27978934]

Sample 1075: [1.80007233 1.09560912 0.56700786 2.76012609 2.99172296
 -3.42245218
 3.97664773 -2.82673755 -2.9462298 1.61783705 -0.76479311 2.47260428
 5.41848389 0.70449128 1.58078571 -3.28708702]
 Sample 1076: [1.80569565 1.00965382 0.53758655 2.74183533 2.96779807
 -3.42870392
 4.02235514 -2.83610651 -2.88692875 1.65753623 -0.83533074 2.59149683
 5.38902171 0.64490538 1.56412145 -3.23731213]
 Sample 1077: [1.83701139 1.07265799 0.54887281 2.77600942 3.05955232
 -3.30492733
 3.93899152 -2.79543884 -2.84993586 1.69845305 -0.82795781 2.61269844
 5.32928224 0.65556806 1.52530567 -3.24549621]
 Sample 1078: [1.84605909 0.95838891 0.56273248 2.84853617 3.003167
 -3.39577327
 3.90777035 -2.88914561 -2.77999203 1.70953062 -0.77854627 2.64804072
 5.38822192 0.6608906 1.57569751 -3.24673215]
 Sample 1079: [1.79678806 0.97849674 0.56768969 2.85110394 3.06310498
 -3.36105653
 3.9046227 -2.89860477 -2.69179105 1.71889952 -0.84020378 2.60973282
 5.35944942 0.58663535 1.67662483 -3.2695096]
 Sample 1080: [1.80700334 1.01324485 0.54445491 2.88274 3.0260193
 -3.30948303
 3.83938424 -2.87322719 -2.72120833 1.7342256 -0.87024382 2.60761292
 5.31051657 0.66034137 1.66556067 -3.21372056]
 Sample 1081: [1.80718291 0.97568409 0.56164753 2.78627984 3.02314661
 -3.41228451
 3.7615048 -2.85406706 -2.68521477 1.75557713 -0.79291885 2.51421699
 5.33094131 0.66306664 1.57636115 -3.24335737]
 Sample 1082: [1.75502527 0.94932377 0.55063046 2.85748183 3.0701034
 -3.46926513
 3.69325088 -2.87566907 -2.6017209 1.71583522 -0.78933735 2.46357667
 5.33893549 0.65363068 1.66464414 -3.27068821]
 Sample 1083: [1.66904653 0.99520863 0.56291924 2.86575696 2.97255896
 -3.43393627
 3.71648467 -2.82742702 -2.56149519 1.70660223 -0.73077817 2.50912508
 5.34525451 0.79511748 1.65603021 -3.28462672]
 Sample 1084: [1.71401478 0.94416321 0.54139545 2.79994641 2.95147284
 -3.42975534
 3.80637689 -2.79816188 -2.6564097 1.76863022 -0.69770184 2.50929301
 5.37110781 0.78402592 1.55982064 -3.32123027]
 Sample 1085: [1.73659128 0.91279751 0.54405687 2.87707727 2.95681025
 -3.34986551
 3.69723444 -2.80290228 -2.6298954 1.73946208 -0.60896638 2.53472857
 5.37795685 0.75343813 1.66544158 -3.31067731]
 Sample 1086: [1.73410529 0.97482133 0.55562149 2.9283752 2.9578351
 -3.39892791
 3.6482413 -2.82675482 -2.63857391 1.72688219 -0.56775966 2.6014826
 5.43086394 0.72691341 1.70408585 -3.31001872]

Sample 1087: [1.82788252 0.94588048 0.5480816 2.95768778 2.9427614
 -3.41226657
 3.61535263 -2.84944592 -2.62670319 1.68860467 -0.66315438 2.51881645
 5.39302623 0.688542 1.76806323 -3.28528552]
 Sample 1088: [1.88239813 0.95786014 0.55507331 2.94307336 2.94272886
 -3.35716897
 3.63313113 -2.84801438 -2.53343281 1.73889613 -0.55670162 2.5610092
 5.41222552 0.63572235 1.71771053 -3.29457268]
 Sample 1089: [1.87605407 1.01710114 0.54416717 2.90533513 3.01386525
 -3.33876866
 3.72167628 -2.87285874 -2.53636403 1.84245679 -0.54060605 2.50408913
 5.47655057 0.61102018 1.64785276 -3.28852044]
 Sample 1090: [1.92247912 0.95938818 0.55838524 2.85083237 3.13896958
 -3.3353871
 3.85274132 -2.85691788 -2.64579279 1.83077319 -0.47594243 2.41573295
 5.44461346 0.56172799 1.65425145 -3.32034478]
 Sample 1091: [1.87289537 0.97060757 0.55967944 2.80846294 3.13775037
 -3.34459162
 3.8587346 -2.83916814 -2.5562547 1.87341973 -0.51157046 2.3703724
 5.45577749 0.50086393 1.62314914 -3.30896146]
 Sample 1092: [1.95504778 0.97348779 0.55721509 2.82320361 3.02210976
 -3.38513793
 3.85888283 -2.90529192 -2.51117184 1.84983836 -0.53706055 2.36194285
 5.50696657 0.51800824 1.63236535 -3.27664458]
 Sample 1093: [2.03101233 0.96876433 0.56929009 2.83636773 2.90875486
 -3.41165834
 3.84992817 -2.89933954 -2.40916164 1.89964615 -0.52560802 2.36865148
 5.50047552 0.57260679 1.63145204 -3.21915195]
 Sample 1094: [2.0318962 0.99136877 0.57247845 2.81911798 2.9668863
 -3.32253139
 3.82607413 -2.98582213 -2.35109486 1.95882725 -0.53244915 2.29094938
 5.49945378 0.48864703 1.68887369 -3.30334997]
 Sample 1095: [2.04372758 0.93830616 0.59148816 2.7774302 2.91952521
 -3.29236278
 3.83896866 -2.96812401 -2.359147 1.97899701 -0.47625015 2.27616415
 5.41511342 0.5771729 1.72096915 -3.27819332]
 Sample 1096: [2.02314917 0.96216917 0.5699834 2.79611204 2.89270352
 -3.29862194
 3.76333082 -3.00256761 -2.37856314 1.98750898 -0.49625004 2.24390885
 5.44794276 0.6284498 1.69086814 -3.26310285]
 Sample 1097: [2.05280366 0.93443469 0.59513934 2.82872816 2.90342065
 -3.23402866
 3.81209081 -3.00067322 -2.39445134 2.01264652 -0.43783427 2.19451999
 5.50356925 0.68416537 1.67318955 -3.16031986]
 Sample 1098: [2.08433465 0.98172973 0.56467541 2.81109335 2.76879632
 -3.29935136
 3.79427196 -2.92863556 -2.44449056 2.02456258 -0.43458089 2.23785593
 5.46391343 0.66784675 1.6173609 -3.13489537]

Sample 1099: [2.11440157 0.94757672 0.57603884 2.86673153 2.72581541
 -3.31646198
 3.81342301 -2.9900637 -2.44424205 2.05197779 -0.408596 2.24496185
 5.49707988 0.71161135 1.62378579 -3.07442243]
 Sample 1100: [2.11420576 0.93382033 0.58683992 2.91130156 2.74505804
 -3.30047295
 3.78585646 -2.98755966 -2.43151669 2.01526096 -0.47224308 2.18393514
 5.44481753 0.68738175 1.68952073 -3.13285678]
 Sample 1101: [2.13437164 0.92340635 0.59782423 2.87384874 2.799093
 -3.27655846
 3.63654507 -3.06358701 -2.41536303 2.00271163 -0.4252165 2.18587585
 5.44746758 0.65734096 1.69648362 -3.0960903]
 Sample 1102: [2.14915727 0.94716966 0.60803595 2.90667665 2.85129925
 -3.26188626
 3.72744928 -3.1591551 -2.42467339 2.03835091 -0.46632621 2.21490872
 5.42166304 0.70649519 1.73312153 -2.95053245]
 Sample 1103: [2.07320726 0.95448888 0.61967896 2.98726578 2.9824654
 -3.17473572
 3.65873069 -3.13606497 -2.36877591 2.09194485 -0.47676353 2.18313296
 5.38205364 0.64501703 1.74507009 -2.91087354]
 Sample 1104: [2.03525451 0.99777853 0.6064381 3.07551074 2.94877999
 -3.12443162
 3.62514983 -3.19264406 -2.36282969 2.05157737 -0.42886223 2.10072798
 5.36402963 0.75096283 1.76147381 -2.87471779]
 Sample 1105: [2.02455141 0.97428351 0.6377399 3.10436257 2.86052813
 -3.09677504
 3.55490284 -3.20903598 -2.38031292 2.00811166 -0.37462157 2.10060394
 5.31391949 0.75557413 1.87563819 -2.83787628]
 Sample 1106: [2.06662115 0.95450579 0.61101901 3.09993773 2.82229186
 -3.17151565
 3.56726914 -3.18231948 -2.47195972 1.98351983 -0.367378 2.03855702
 5.34430222 0.72559897 1.9489168 -2.74338717]
 Sample 1107: [2.03981492 0.92114927 0.6431758 3.01427068 2.79427889
 -3.09470489
 3.47877372 -3.24003643 -2.43537467 2.01247099 -0.33688254 2.01803855
 5.44604078 0.73557587 1.89578155 -2.87330365]
 Sample 1108: [2.09412596 0.90123836 0.63734193 2.99940714 2.74307375
 -3.11270378
 3.44919663 -3.28907546 -2.43621895 2.07856617 -0.2963876 1.98291946
 5.43078983 0.7628779 1.90356404 -2.83731982]
 Sample 1109: [2.07736733 0.93423362 0.65515596 2.94746567 2.68580484
 -3.09817549
 3.52676386 -3.32028876 -2.40367946 1.94534263 -0.45141102 2.04972866
 5.44424621 0.79497334 1.95296157 -2.81449732]
 Sample 1110: [2.15295648 0.9718115 0.64804464 2.94686594 2.64023116
 -3.1189159
 3.61533654 -3.32674215 -2.35717176 1.91171743 -0.41399986 2.11664585
 5.39435269 0.79256827 1.96559355 -2.74367244]

Sample 1111: [2.07122538 0.97355127 0.66564725 2.96344646 2.63826515
 -3.13582711
 3.63175819 -3.41506511 -2.45026637 1.96004128 -0.40660218 2.09365146
 5.40407008 0.75709223 1.94777049 -2.81030015]
 Sample 1112: [2.06748387 0.9925496 0.66747472 3.04214693 2.61365906
 -3.09427844
 3.6577368 -3.37988546 -2.34873276 1.91554557 -0.36156621 2.06889446
 5.42531508 0.66623185 1.93013237 -2.884104]
 Sample 1113: [2.09975726 1.01885984 0.66033455 3.03073063 2.55879943
 -2.97942189
 3.62203453 -3.39069836 -2.33184294 1.88304902 -0.3851935 2.0953184
 5.41270672 0.60156665 1.85118183 -2.81048755]
 Sample 1114: [2.07672549 0.94750331 0.66145861 3.10432235 2.53746145
 -2.97276315
 3.61040913 -3.38223057 -2.36540168 1.95438554 -0.38823684 2.12928288
 5.37816842 0.6176382 1.81960859 -2.72037875]
 Sample 1115: [2.10517811 0.94556714 0.64850628 3.09326428 2.65600545
 -2.8743499
 3.64796796 -3.39776085 -2.45505359 1.96919933 -0.42051371 2.06439787
 5.45941339 0.60330119 1.7128365 -2.77445813]
 Sample 1116: [2.06112164 0.93368361 0.67357279 3.12121036 2.51551972
 -2.88025718
 3.62716563 -3.33801169 -2.47455345 2.02145733 -0.37551512 2.00429551
 5.44634929 0.68261815 1.7176247 -2.86526212]
 Sample 1117: [1.95667724 0.94068803 0.6406353 3.17437511 2.49525628
 -2.86111661
 3.5077036 -3.3599712 -2.52070788 2.07763687 -0.3016007 2.06560142
 5.43419279 0.64712318 1.82817326 -2.8603746]
 Sample 1118: [1.93391361 0.96074164 0.66783525 3.17545758 2.52006255
 -2.87349459
 3.55204922 -3.30789114 -2.51732179 2.17650324 -0.33078701 2.12715216
 5.3722898 0.63755679 1.75831331 -2.83100635]
 Sample 1119: [1.92658505 0.98357066 0.64288528 3.17587558 2.55251983
 -2.95701778
 3.56658166 -3.36933469 -2.41597208 2.24827602 -0.33472655 2.12828624
 5.4833985 0.67564089 1.79102771 -2.8758769]
 Sample 1120: [1.87566803 0.91014053 0.67681068 3.16171759 2.52177415
 -3.04162219
 3.59881373 -3.39324745 -2.41919928 2.33689143 -0.3446644 2.05048949
 5.4435875 0.66088289 1.74406083 -2.92446213]
 Sample 1121: [1.92461413 0.9649762 0.63560802 3.11568418 2.54328639
 -2.96446246
 3.60836551 -3.37990078 -2.38602053 2.28830968 -0.32324072 2.06144712
 5.46384257 0.64650882 1.8727935 -3.01090333]
 Sample 1122: [1.95970315 0.9686926 0.67341096 3.06242877 2.53097175
 -3.01932856
 3.57716181 -3.33353775 -2.33418959 2.15496409 -0.30260961 2.1544682
 5.43909755 0.64210706 1.87832893 -3.01083036]

Sample 1123: [1.98445601 0.918875 0.62609626 3.10194701 2.47988092
 -3.06216414
 3.55962372 -3.27215931 -2.39366913 2.11932496 -0.22706236 2.14878471
 5.40115231 0.67313141 1.81797501 -3.04769133]
 Sample 1124: [1.98271125 0.89951198 0.67976603 3.09797159 2.46813757
 -3.06298369
 3.6244771 -3.38420248 -2.41388465 2.10940252 -0.31605451 2.2142286
 5.49589509 0.75563565 1.8120957 -3.03106385]
 Sample 1125: [2.13682772 0.92372464 0.62337207 3.03049298 2.41242176
 -3.09732704
 3.53530537 -3.36874406 -2.46481484 2.13438448 -0.29154936 2.18366879
 5.60800745 0.75280921 1.83286226 -3.03050757]
 Sample 1126: [2.15527225 0.94044652 0.67493937 3.09497413 2.42448468
 -3.11116889
 3.59789809 -3.34284976 -2.47107527 2.16802715 -0.33561328 2.16619747
 5.64537472 0.75896394 1.81647105 -3.05295868]
 Sample 1127: [2.09473822 0.90961917 0.62152673 3.13398963 2.39839514
 -2.99516938
 3.6655554 -3.32774253 -2.55459676 2.10174235 -0.27624764 2.0935481
 5.70287674 0.7475654 1.79252799 -2.96944148]
 Sample 1128: [2.05436687 0.97416275 0.67774139 3.17488101 2.4362935
 -3.00173898
 3.70022976 -3.3256428 -2.59509211 2.10785541 -0.26342598 2.08608331
 5.82136505 0.74358108 1.81775842 -3.04941702]
 Sample 1129: [2.05008016 0.95164628 0.63202878 3.20558972 2.47526108
 -2.93237546
 3.7130214 -3.34954326 -2.57259749 2.11085182 -0.20240427 2.17580858
 5.80455105 0.77772298 1.76671786 -3.0934481]
 Sample 1130: [2.04722331 0.9917448 0.68358522 3.23051542 2.50304243
 -2.99790636
 3.75541833 -3.35280653 -2.56932803 2.08204898 -0.18974197 2.13827059
 5.79093754 0.82569784 1.74987645 -3.11098697]
 Sample 1131: [2.07029136 0.97347017 0.6242839 3.29653034 2.5441248
 -3.0656798
 3.78336088 -3.28481463 -2.5909742 2.14578979 -0.01490092 2.22892882
 5.75034834 0.82702447 1.75655847 -3.08122952]
 Sample 1132: [2.05956919 0.93728951 0.64986638 3.24461572 2.56141549
 -3.05371
 3.82613076 -3.24492123 -2.5024875 2.00544675 0.03900502 2.21038537
 5.75193105 0.77886693 1.73136454 -3.08598221]
 Sample 1133: [2.16202159 0.95605612 0.61724585 3.25644504 2.57824994
 -3.07067333
 3.8457385 -3.23361271 -2.46090439 2.03011955 0.04167118 2.20024763
 5.70953512 0.82006033 1.71189255 -3.12384526]
 Sample 1134: [2.19540521 1.01142964 0.6352864 3.21049674 2.58417245
 -3.05971811
 3.85282737 -3.2093848 -2.41988889 1.94721809 0.02005695 2.25430765
 5.69603495 0.86044854 1.72926967 -3.09715416]

Sample 1135: [2.21108725 0.95829188 0.60994274 3.25491745 2.56423976
 -3.02338601
 3.83860222 -3.14644857 -2.36496146 1.97003464 0.05866183 2.30925309
 5.73459779 0.92867391 1.69663162 -3.12680784]
 Sample 1136: [2.21732764 1.02863511 0.62316488 3.32252735 2.51247561
 -2.98610838
 3.83757905 -3.17278394 -2.30003727 1.91266357 0.02381064 2.35192556
 5.7847647 0.91802325 1.73249426 -3.07204723]
 Sample 1137: [2.27301776 0.97805318 0.5994058 3.32181748 2.42736671
 -2.94955925
 3.8930191 -3.13068085 -2.2397221 1.84444041 0.08862748 2.39235727
 5.89442991 1.03498745 1.73375197 -3.12072157]
 Sample 1138: [2.19896692 1.05108832 0.63691138 3.37032578 2.46265274
 -2.93502605
 3.80951286 -3.21314692 -2.1931415 1.89523281 0.20408802 2.41268776
 5.94565736 1.0399681 1.72783663 -3.28024619]
 Sample 1139: [2.16963946 1.00188153 0.62676501 3.31496645 2.40517279
 -3.08050722
 3.83794339 -3.2185664 -2.18924313 2.02548001 0.27904865 2.44579954
 5.78859326 1.12803718 1.73068875 -3.24814083]
 Sample 1140: [2.19024727 1.00089795 0.60353863 3.22991171 2.46186352
 -3.0697389
 3.91977709 -3.19623737 -2.18176326 1.90030522 0.30249647 2.49297557
 5.83144632 1.09769214 1.75570679 -3.20602338]
 Sample 1141: [2.1315144 0.97723078 0.65136117 3.32231625 2.50527032
 -3.08161063
 3.96180851 -3.21897666 -2.12950606 1.95390729 0.25026686 2.49993048
 5.88689011 1.18086006 1.80422247 -3.291766]
 Sample 1142: [2.23861256 0.99667145 0.60307356 3.31242276 2.48120148
 -3.17134239
 4.01378221 -3.19565063 -2.13468178 1.9063236 0.29100324 2.4631685
 5.95955067 1.06446152 1.81767052 -3.24179924]
 Sample 1143: [2.22409913 1.02148259 0.62746594 3.30104617 2.5232133
 -3.14453726
 4.02900539 -3.17192454 -2.21940534 1.88295669 0.28773925 2.47103263
 5.88628221 1.03743395 1.83006179 -3.22207688]
 Sample 1144: [2.18795392 1.0305106 0.6112832 3.42548888 2.47181233
 -3.20620183
 3.98295471 -3.21334236 -2.21400991 1.88896985 0.28968165 2.46038427
 5.87336938 1.0862744 1.75934441 -3.18704834]
 Sample 1145: [2.20901076 1.0712751 0.62565809 3.42742193 2.45476555
 -3.14577272
 3.98059889 -3.1735587 -2.1533312 1.91618425 0.28824084 2.44666415
 5.93326527 1.10868026 1.77394173 -3.18495369]
 Sample 1146: [2.22870759 1.0235519 0.62720526 3.40094582 2.41886898
 -3.18331163
 3.88676038 -3.21777845 -2.2067438 1.94498046 0.21145985 2.50157003
 5.93814846 1.1730014 1.7764497 -3.17632481]

Sample 1147: [2.17641613 0.98255459 0.63458376 3.4107461 2.42488634
 -3.22786853
 3.87426176 -3.18903488 -2.18383143 1.99420686 0.13012073 2.51345801
 5.9677375 1.24998212 1.8698249 -3.22144739]
 Sample 1148: [2.14715779 1.01228505 0.61158275 3.41794435 2.46075197
 -3.20373799
 3.8904799 -3.16788301 -2.20088129 2.03374873 0.10970345 2.53424179
 6.0106277 1.28500532 1.84025369 -3.22285387]
 Sample 1149: [2.09625188 0.99984399 0.62798806 3.41667804 2.41045747
 -3.20279752
 3.85446961 -3.1464259 -2.221285 2.01886057 0.2105791 2.54979747
 5.96058036 1.36051868 1.94568083 -3.25880049]
 Sample 1150: [2.11825486 1.01102118 0.58833027 3.37604674 2.4063249
 -3.17287984
 3.86763011 -3.09800264 -2.22254853 1.96935407 0.13209775 2.54313011
 5.92417539 1.29849753 1.93387744 -3.24646906]
 Sample 1151: [2.12131963 1.05374632 0.60929336 3.28546143 2.29689665
 -3.27422147
 3.91416182 -3.14210659 -2.21752418 2.00880538 0.15176017 2.49560579
 5.91664648 1.31516456 1.96345086 -3.15023411]
 Sample 1152: [2.10849165 1.04579399 0.62071978 3.3241082 2.28505641
 -3.3352901
 3.92307638 -3.13948244 -2.34881005 2.00393501 0.18064277 2.54799722
 5.89038575 1.35251206 1.9147873 -3.11087035]
 Sample 1153: [2.0509601 1.05491598 0.59469803 3.29619323 2.27456939
 -3.3830549
 3.90792569 -3.11824635 -2.33945393 1.96252768 0.19966754 2.55880821
 5.98075814 1.33237611 1.91642018 -3.08734371]
 Sample 1154: [2.04208822 1.0061752 0.61408217 3.30466818 2.24954638
 -3.34335961
 3.94155439 -3.12932806 -2.32022862 1.9533472 0.16967275 2.4545013
 5.93812122 1.35847032 1.9405516 -3.08003098]
 Sample 1155: [1.96649876 0.99522873 0.60405911 3.25625131 2.31754667
 -3.31682385
 3.93091611 -3.15512401 -2.22527522 1.89805835 0.15749356 2.41686523
 5.94594346 1.24840556 1.96366392 -3.1480036]
 Sample 1156: [1.89662909 0.98122327 0.62574411 3.17564503 2.32684589
 -3.30818091
 3.92441392 -3.12931718 -2.30920609 1.92843794 0.12616733 2.36953096
 5.92637353 1.26997345 1.9352047 -3.08562318]
 Sample 1157: [1.91549741 1.05040623 0.58865971 3.215703 2.36540816
 -3.31429067
 3.90934348 -3.10358712 -2.27036333 1.95449188 0.17977238 2.35055347
 5.92491562 1.27570459 1.87499281 -3.07637574]
 Sample 1158: [1.85550656 1.02624879 0.62565729 3.1945383 2.36259162
 -3.3432241
 3.89198735 -3.12489042 -2.22131583 1.96165713 0.18889214 2.37391576
 5.93795311 1.32096776 1.84933081 -3.04940407]

Sample 1159: [1.85179731 0.92692654 0.58360799 3.17727827 2.38650984
 -3.32413807
 3.88444528 -3.07380514 -2.21950149 1.89509741 0.17948929 2.32644558
 5.84532534 1.22761119 1.83315811 -3.10390234]
 Sample 1160: [1.94539281 0.99001229 0.62440477 3.24570684 2.4510705
 -3.40236931
 3.87648356 -3.11474997 -2.18021681 1.88430466 0.09895573 2.34418165
 5.84242413 1.19342554 1.8244544 -3.11737691]
 Sample 1161: [1.86461218 1.00228211 0.59330693 3.269327 2.46549185
 -3.39376516
 3.84002066 -3.14164864 -2.11634799 1.92640867 0.09204353 2.40913401
 5.80574869 1.21168392 1.71569878 -3.0991996]
 Sample 1162: [1.7723049 0.99266794 0.61497733 3.20929045 2.46214563
 -3.35538233
 3.84758621 -3.04021345 -2.02257128 1.96912116 0.14449253 2.38936883
 5.78488499 1.23057287 1.70432045 -3.16908362]
 Sample 1163: [1.83379882 0.98314243 0.56712955 3.21840724 2.5794401
 -3.38490447
 3.82313991 -3.02158899 -1.99352816 2.02119852 0.07545658 2.40360655
 5.74899008 1.25347841 1.69870857 -3.16328402]
 Sample 1164: [1.78847857 0.99280323 0.59480728 3.18572457 2.65692231
 -3.31711791
 3.7175519 -2.99264723 -1.99497754 2.07647527 0.09902784 2.46719683
 5.73954753 1.2437007 1.73887892 -3.24252667]
 Sample 1165: [1.824065 0.90716852 0.58004577 3.14751308 2.70217816
 -3.20176933
 3.67022669 -3.0702119 -2.06020466 2.08189618 0.06925838 2.57062822
 5.69207904 1.22227558 1.74876721 -3.20326842]
 Sample 1166: [1.74104572 0.93092549 0.61733279 3.08917454 2.65664185
 -3.12474995
 3.68113019 -3.06121405 -2.08046037 2.08325758 0.04248446 2.55332728
 5.66594772 1.27026406 1.79072896 -3.25154283]
 Sample 1167: [1.80607683 0.94121818 0.57906425 3.05517331 2.66433008
 -3.16507951
 3.68594666 -3.05356199 -2.14056638 2.1212682 0.0402822 2.627267
 5.61450391 1.22308448 1.84625931 -3.1985466]
 Sample 1168: [1.71970815 0.96911413 0.58650675 3.09842203 2.63114548
 -3.13752846
 3.67002394 -3.03898117 -2.05303785 2.10703438 0.0822561 2.61650623
 5.53480286 1.19151045 1.83037433 -3.26193285]
 Sample 1169: [1.67801227 0.92282763 0.61642387 3.12377005 2.60505707
 -3.14243356
 3.63600537 -3.07733294 -2.02284221 2.16842243 0.09841872 2.68676716
 5.52523301 1.23018368 1.84841535 -3.40280707]
 Sample 1170: [1.65071716 0.89785137 0.6074103 3.13764141 2.57310454
 -3.04877743
 3.61260206 -3.12312748 -2.01267759 2.12376195 0.12280006 2.74068459
 5.59391897 1.21531067 1.8649177 -3.36701029]

Sample 1171: [1.72061003 0.92370463 0.60886406 3.13236026 2.60214181
 -3.04127614
 3.6014911 -3.14993637 -2.00949719 2.17649285 0.06859423 2.79989031
 5.50088711 1.25758383 1.89872749 -3.48887782]
 Sample 1172: [1.77032097 0.90797279 0.61613883 3.07720088 2.60961023
 -3.01914975
 3.60946425 -3.19056421 -2.04900713 2.2032276 0.0529978 2.86058129
 5.47717473 1.2945164 1.98263958 -3.55192689]
 Sample 1173: [1.73862957 0.88906356 0.60239158 3.12878346 2.67028626
 -3.12275778
 3.50025428 -3.14852432 -1.92647105 2.2014078 0.01481263 2.95396466
 5.50747287 1.22263628 1.9816798 -3.63972072]
 Sample 1174: [1.67053154 0.88361187 0.61420664 3.11896068 2.74265532
 -3.06897835
 3.54410405 -3.16604382 -1.94118937 2.25821616 0.08266328 2.94627275
 5.50551543 1.21558166 1.9369038 -3.57885652]
 Sample 1175: [1.66432753 0.86917406 0.66020922 3.14877584 2.76142099
 -3.12914312
 3.52112528 -3.26893647 -1.90954939 2.23146179 0.0573024 2.93190602
 5.51794098 1.27230492 1.96561636 -3.57007395]
 Sample 1176: [1.58271059 0.93830152 0.63170976 3.06338321 2.77848884
 -3.06789864
 3.59556386 -3.2153908 -1.93903148 2.16813927 0.03809376 2.93234367
 5.53267981 1.31433819 1.9744427 -3.6472804]
 Sample 1177: [1.53664342 0.93257752 0.63288312 3.05202155 2.84086205
 -3.08097918
 3.66940208 -3.25731544 -1.9472779 2.13793101 0.10604637 2.98535551
 5.53672057 1.30354859 2.08795801 -3.60801487]
 Sample 1178: [1.53485246 0.95022349 0.63914977 3.12101217 2.85756808
 -3.16705438
 3.71168756 -3.34639657 -1.92326491 2.24436163 0.07221316 2.91503598
 5.51239275 1.4151027 2.1828663 -3.64013749]
 Sample 1179: [1.59546397 0.93179124 0.66476219 3.10032836 2.8379686
 -3.11623804
 3.71384338 -3.33834698 -1.8552673 2.25260038 0.03727214 2.97295295
 5.5665302 1.35355668 2.23568859 -3.631818]
 Sample 1180: [1.56810781 0.93671764 0.63942301 3.05652999 2.84671879
 -3.15451763
 3.71896321 -3.31061533 -1.79695353 2.24338138 0.01616183 2.90245262
 5.57109356 1.2661348 2.32786737 -3.62844365]
 Sample 1181: [1.58896749e+00 8.78611818e-01 6.47136740e-01 3.02039093e+00
 2.80758672e+00 -3.13812119e+00 3.63823742e+00 -3.31248167e+00
 -1.87508744e+00 2.19671952e+00 -1.31231869e-05 2.95253967e+00
 5.61944646e+00 1.20515096e+00 2.33141905e+00 -3.69656745e+00]
 Sample 1182: [1.58110714 0.88933219 0.66395163 3.05704435 2.81425411
 -3.17413372
 3.53197049 -3.33848551 -1.86870264 2.19441858 -0.04500559 2.96016639
 5.6038109 1.23410938 2.31138964 -3.71470699]

Sample 1183: [1.55114883 0.84667744 0.65147335 3.14278967 2.77280245
 -3.08420397
 3.59990385 -3.34077442 -1.85587115 2.18227503 -0.05369433 2.95226894
 5.71114967 1.2954436 2.21740615 -3.74803934]
 Sample 1184: [1.53296858 0.89288841 0.62371325 3.16461581 2.7627129
 -3.13115784
 3.53805847 -3.22101083 -1.92297531 2.2181854 -0.03547499 3.00474473
 5.67575978 1.28043812 2.27821179 -3.8343432]
 Sample 1185: [1.56106630e+00 9.12508272e-01 6.25311894e-01 3.17888365e+00
 2.70531418e+00 -3.05319346e+00 3.52330107e+00 -3.28746350e+00
 -1.99969349e+00 2.20742196e+00 -3.53952063e-03 3.02521195e+00
 5.66064212e+00 1.24645927e+00 2.29498717e+00 -3.82575075e+00]
 Sample 1186: [1.50005752 0.84572444 0.63498901 3.15474537 2.65519548
 -3.04124014
 3.53010696 -3.24611645 -2.04246633 2.26106915 0.03487442 3.01469098
 5.70199511 1.32294511 2.34301526 -3.83915689]
 Sample 1187: [1.45334678e+00 9.33627167e-01 6.34916487e-01 3.11439155e+00
 2.57123533e+00 -2.97778503e+00 3.53719514e+00 -3.19756409e+00
 -2.07694283e+00 2.22020973e+00 5.26766215e-03 3.02602775e+00
 5.73976344e+00 1.36393099e+00 2.37937290e+00 -3.83203475e+00]
 Sample 1188: [1.47206932 0.90249661 0.628256 3.12920706 2.57817181
 -3.00906622
 3.58332271 -3.14872283 -2.08266331 2.33695539 -0.06800734 3.03789654
 5.76040046 1.36903744 2.42997146 -3.81309138]
 Sample 1189: [1.52838087 0.88346115 0.62734245 3.23914011 2.54614716
 -2.94953462
 3.5992659 -3.16564558 -2.04611588 2.29298182 -0.02246351 3.01242816
 5.71698514 1.32696114 2.3611542 -3.81000694]
 Sample 1190: [1.40790142 0.85445107 0.60656841 3.26304507 2.61978867
 -2.87960815
 3.6554708 -3.12314482 -2.07046814 2.23550169 -0.07761037 2.94757278
 5.67447539 1.34397388 2.38944581 -3.85695321]
 Sample 1191: [1.30877607 0.88424808 0.62149462 3.21699357 2.66174718
 -2.8506814
 3.6283903 -3.09199889 -2.13855939 2.12963118 -0.17571453 3.01336737
 5.81261608 1.48042469 2.38788831 -3.85654886]
 Sample 1192: [1.26938725 0.87007739 0.60933473 3.21377709 2.62095032
 -2.928836
 3.53132873 -3.11023466 -2.151629 2.15228197 -0.16306826 3.01115112
 5.81206031 1.46965082 2.3858401 -3.86251032]
 Sample 1193: [1.27105689 0.86986801 0.60592107 3.12813953 2.59142934
 -2.96642202
 3.5422661 -3.1372894 -2.2754955 2.07012701 -0.19266877 2.99822026
 5.83600591 1.54945682 2.35993214 -3.81879748]
 Sample 1194: [1.24284216 0.86056376 0.6226695 3.12600951 2.51484565
 -2.90583165
 3.61780616 -3.21128972 -2.25222001 2.02690567 -0.22547655 2.91914912
 5.83794962 1.60365754 2.35060049 -3.89970998]

Sample 1195: [1.35292465 0.87664788 0.63746044 3.05029343 2.56017781
 -2.94675531
 3.56965969 -3.25361258 -2.22596344 2.00053194 -0.26331065 2.85034557
 5.81647675 1.57729721 2.34711206 -3.87365308]
 Sample 1196: [1.41549907 0.88293375 0.62480387 3.04969011 2.52206139
 -2.81217118
 3.55511871 -3.22211083 -2.21143968 1.92310701 -0.35833187 2.94351839
 5.88578959 1.60236309 2.28276311 -3.88843811]
 Sample 1197: [1.45350273 0.81421673 0.64628996 3.02711127 2.48771449
 -2.81281929
 3.56970515 -3.27902116 -2.20237776 1.93491075 -0.31339397 2.86405193
 5.95487949 1.66924622 2.27557482 -3.90560593]
 Sample 1198: [1.44060365 0.87300112 0.64957647 3.04488419 2.45680411
 -2.80645595
 3.51184225 -3.34259734 -2.30165555 1.88998551 -0.32209351 2.83261673
 6.00754961 1.77975142 2.3096781 -3.89542491]
 Sample 1199: [1.39389917 0.8321794 0.65468432 3.13603081 2.36231198
 -2.7892146
 3.51280114 -3.34836268 -2.35350034 1.89355199 -0.40764004 2.86386207
 6.06208989 1.69566387 2.2834136 -3.86594453]
 Sample 1200: [1.32382797 0.8952405 0.63895656 3.04983262 2.32599494
 -2.81049207
 3.60262547 -3.298314 -2.3226373 1.92051662 -0.46317747 2.82416674
 6.01398351 1.7234489 2.27525338 -3.90194619]
 Sample 1201: [1.25490831 0.84319822 0.64491285 3.07628656 2.32721275
 -2.84993164
 3.53757151 -3.26189734 -2.39971323 1.98652779 -0.45084874 2.9274572
 6.03744669 1.7180661 2.36801387 -3.88572744]
 Sample 1202: [1.25633444 0.87513741 0.63046803 3.15446611 2.39691555
 -2.80794628
 3.56877276 -3.26451323 -2.36601277 1.93143042 -0.40474695 2.93642701
 6.15411866 1.73753827 2.2963146 -3.94570662]
 Sample 1203: [1.2171531 0.85676032 0.63465641 3.17380131 2.35598956
 -2.79606588
 3.59262948 -3.2729653 -2.31926295 1.88433332 -0.35300601 2.97044248
 6.08318921 1.75159959 2.26880604 -3.97592688]
 Sample 1204: [1.24461791 0.95148211 0.64502227 3.24653639 2.29916435
 -2.77891199
 3.63342528 -3.24431425 -2.27465872 1.84534819 -0.31216717 3.00946392
 6.0356793 1.75507745 2.26218176 -3.96873642]
 Sample 1205: [1.28194787 0.8647632 0.63275758 3.23632368 2.33975149
 -2.76969246
 3.62025728 -3.2158338 -2.29918082 1.87482455 -0.38108581 3.06270087
 6.00375945 1.77645526 2.28705233 -3.9860151]
 Sample 1206: [1.26592107 0.88631024 0.64499762 3.27834265 2.28605278
 -2.66374057
 3.65230933 -3.25582817 -2.33313354 1.92839202 -0.38092264 3.01641865
 5.95435536 1.73053227 2.31904655 -4.09436865]

Sample 1207: [1.28719074 0.86040193 0.65485586 3.221819 2.31455666
 -2.67863631
 3.61047193 -3.30292923 -2.32696785 1.98506766 -0.43376299 3.05917633
 5.87796308 1.68865733 2.20180681 -4.10930715]
 Sample 1208: [1.31032724 0.89893703 0.64357277 3.15737208 2.25837176
 -2.72704007
 3.63372744 -3.28975018 -2.3249913 1.89565576 -0.3566505 3.12031592
 5.93192653 1.71667757 2.22698429 -4.03036989]
 Sample 1209: [1.40271162 0.85734525 0.63849545 3.16623917 2.21503449
 -2.70011027
 3.61577477 -3.2824177 -2.38525922 1.9296954 -0.35531066 3.17033636
 5.87437638 1.73636048 2.22934251 -3.90842224]
 Sample 1210: [1.4062653 0.88145363 0.63371948 3.14394198 2.2677792
 -2.75781322
 3.59183071 -3.18556591 -2.48967343 1.92786779 -0.39057463 3.21979469
 5.89011189 1.82609341 2.22748497 -3.84119257]
 Sample 1211: [1.40325764 0.90188912 0.6099803 3.1694581 2.31766022
 -2.78184882
 3.57409117 -3.17910987 -2.48263044 1.9411936 -0.40724301 3.27048348
 5.91044143 1.82668265 2.20401971 -3.77949249]
 Sample 1212: [1.34616238 0.88465254 0.61537593 3.10606031 2.35500566
 -2.77682481
 3.47435072 -3.16378922 -2.45131572 1.95100217 -0.3820197 3.33102967
 5.83552396 1.80846484 2.21953724 -3.91148096]
 Sample 1213: [1.36699559 0.88755077 0.60031385 3.16183347 2.34233816
 -2.84969724
 3.55871321 -3.0938288 -2.40854761 1.9429158 -0.39658431 3.45480712
 5.76042815 1.80817067 2.18668297 -3.89888156]
 Sample 1214: [1.34438203 0.89394717 0.57911984 3.18667797 2.30313384
 -2.89930192
 3.63556373 -3.08832298 -2.41221127 1.89155133 -0.40130373 3.52337055
 5.78030163 1.73753818 2.13735494 -3.88488402]
 Sample 1215: [1.35690659 0.93819977 0.59453452 3.21307721 2.22298747
 -2.91618721
 3.66196164 -3.07115505 -2.43164003 1.92466821 -0.33553116 3.46056428
 5.81076294 1.72816421 2.20991453 -3.79243052]
 Sample 1216: [1.3806218 0.92021269 0.6137376 3.24382316 2.26404949
 -2.92782652
 3.7121988 -3.1037842 -2.42777168 1.93036902 -0.24097045 3.36532425
 5.83850445 1.68891633 2.23338651 -3.75884316]
 Sample 1217: [1.35900318 0.91809073 0.62382292 3.1939355 2.17431532
 -3.01057798
 3.66901221 -3.14904291 -2.51099622 1.88791576 -0.26130212 3.33798296
 5.82309839 1.73421981 2.20769383 -3.76186803]
 Sample 1218: [1.38359261 0.94466143 0.59305813 3.19849053 2.1652764
 -2.98242152
 3.67550673 -3.1157453 -2.54760033 1.89524192 -0.1027993 3.33348042
 5.76791841 1.72749381 2.22776978 -3.73376727]

Sample 1219: [1.42979143 0.92762198 0.60346335 3.21334432 2.15950346
 -2.9648715
 3.63843105 -3.13251641 -2.60496414 1.88636878 -0.14254139 3.25907093
 5.78191606 1.6458572 2.24421933 -3.70058766]
 Sample 1220: [1.51387798 0.89459083 0.60609166 3.27977977 2.08111571
 -2.89064459
 3.58593501 -3.12020592 -2.63106926 1.87954267 -0.20831082 3.15844719
 5.78332773 1.70019367 2.26569277 -3.71328509]
 Sample 1221: [1.41435066 0.91201478 0.59043071 3.24108809 2.11616167
 -2.825218
 3.57351484 -3.10497039 -2.54794683 1.87041769 -0.24984401 3.09878625
 5.8896167 1.63953109 2.25432441 -3.66277035]
 Sample 1222: [1.40616654 0.89429354 0.64737987 3.3012219 2.11883892
 -2.81832409
 3.54932132 -3.23025323 -2.49506966 1.7900272 -0.22380801 3.07569089
 5.78960749 1.66720223 2.24976082 -3.61900198]
 Sample 1223: [1.42408921 0.96100716 0.61828112 3.36558647 2.12425368
 -2.83523469
 3.55928587 -3.26044964 -2.53065384 1.75860826 -0.16937724 2.97876541
 5.80822009 1.67791608 2.23220556 -3.64332381]
 Sample 1224: [1.39106515 0.89740666 0.62320487 3.25325072 2.15808948
 -2.81931636
 3.53933082 -3.1572118 -2.55339714 1.71144564 -0.13042744 3.00925965
 5.64812817 1.67966921 2.25498709 -3.60373858]
 Sample 1225: [1.4561509 0.92568785 0.62230162 3.16910463 2.17735914
 -2.79754871
 3.5677797 -3.19622875 -2.61916103 1.7452739 -0.14975806 3.0358407
 5.59849688 1.67992207 2.31598129 -3.56075105]
 Sample 1226: [1.36596165 0.89830259 0.62651724 3.19315309 2.12691815
 -2.76975804
 3.61214493 -3.15467009 -2.66120421 1.69889573 -0.11692783 3.09539692
 5.61625945 1.74981182 2.34738154 -3.59850699]
 Sample 1227: [1.46920253 0.93398033 0.63275707 3.2083867 2.05093048
 -2.76459055
 3.66005246 -3.19997363 -2.6326863 1.67326232 -0.2001719 3.0863639
 5.58597774 1.71412344 2.38312922 -3.72242456]
 Sample 1228: [1.39867133 0.89945579 0.64121607 3.14739327 2.09056739
 -2.68835189
 3.68873935 -3.23917533 -2.56739392 1.69585088 -0.25748466 2.99823945
 5.5509491 1.65741927 2.42224329 -3.66570677]
 Sample 1229: [1.31637579 0.94309761 0.64444414 3.19493048 2.11925681
 -2.69259057
 3.65623671 -3.19411779 -2.58237692 1.74752007 -0.32504364 2.979538
 5.50910002 1.64466347 2.48055033 -3.61312895]
 Sample 1230: [1.36991439 0.94369483 0.62933361 3.24656974 2.20310347
 -2.66960678
 3.63368999 -3.16511567 -2.59657894 1.73715295 -0.33425684 2.90043145
 5.51166475 1.64499461 2.51424797 -3.64629833]

Sample 1231: [1.30218408 0.86576781 0.62805611 3.30856285 2.17840238
 -2.69444672
 3.61189962 -3.28352485 -2.6178482 1.68404085 -0.32805587 2.85993805
 5.48074826 1.66948842 2.60011925 -3.6095492]
 Sample 1232: [1.28131939 0.93234666 0.64345375 3.35516507 2.22073918
 -2.60381178
 3.61328369 -3.23651947 -2.5820292 1.65358517 -0.27570601 2.83632551
 5.44061537 1.64425113 2.55469933 -3.64532575]
 Sample 1233: [1.31363997 0.8280659 0.6376127 3.28225864 2.21804363
 -2.6634294
 3.68181189 -3.28849439 -2.5782438 1.60608016 -0.27857891 2.87632953
 5.48322672 1.67365224 2.64818282 -3.64405653]
 Sample 1234: [1.3303001 0.93660636 0.63781194 3.33150136 2.19163953
 -2.72741393
 3.68418137 -3.29043597 -2.58484293 1.64244768 -0.22026237 2.85524983
 5.44920691 1.76184294 2.65938684 -3.59284635]
 Sample 1235: [1.32826875 0.88585318 0.65555327 3.2990563 2.15400302
 -2.73401001
 3.67291554 -3.33506552 -2.63036507 1.59619356 -0.20150148 2.81620411
 5.39329332 1.82775538 2.70174277 -3.6305484]
 Sample 1236: [1.39997695 0.91234918 0.64022658 3.29631445 2.14741997
 -2.80661038
 3.70573012 -3.31134854 -2.61210907 1.61494257 -0.19496931 2.87604837
 5.44273432 1.81600434 2.69094136 -3.57635633]
 Sample 1237: [1.42090919 0.95677988 0.66465468 3.2309672 2.1280654
 -2.87894829
 3.79704 -3.40068324 -2.56184854 1.59836585 -0.20055891 2.92766333
 5.40072611 1.84497526 2.57971543 -3.59986947]
 Sample 1238: [1.48245168 0.97959762 0.69194133 3.22121206 2.19649478
 -2.78891573
 3.83200618 -3.46746917 -2.61106114 1.58641015 -0.21713988 2.96118983
 5.33128756 1.81937426 2.49565183 -3.47926234]
 Sample 1239: [1.52807733 0.96918389 0.67179617 3.16699652 2.23413621
 -2.86993722
 3.78140925 -3.43973024 -2.57100014 1.59575622 -0.21613845 2.94829316
 5.38307826 1.81336717 2.5336627 -3.48011173]
 Sample 1240: [1.47233452 0.97241382 0.67605157 3.12620601 2.18959698
 -2.90529392
 3.87180188 -3.41148246 -2.67157069 1.56778006 -0.25941824 2.94110747
 5.38952719 1.77847989 2.5797939 -3.3443802]
 Sample 1241: [1.39631797 0.9848477 0.63547204 3.16228126 2.22043985
 -2.85653938
 3.85475833 -3.27402993 -2.76626486 1.67332952 -0.16795862 2.85501378
 5.3101588 1.73699749 2.51539864 -3.39118997]
 Sample 1242: [1.4072472 0.9646782 0.63953801 3.21779868 2.16111391
 -2.91436802
 3.86430985 -3.2556918 -2.66067612 1.70299137 -0.1099517 2.87561083
 5.2749334 1.73101057 2.52695997 -3.33713064]

Sample 1243: [1.41241467 1.01062818 0.63152819 3.24779543 2.13895873
 -2.81263387
 3.91767167 -3.24491049 -2.73741688 1.78325746 -0.15866915 2.95156801
 5.42169612 1.71977274 2.61298238 -3.3592272]
 Sample 1244: [1.48295499 1.0117509 0.62326171 3.25402032 2.24238549
 -2.84844614
 3.8465636 -3.18224814 -2.72148116 1.79702495 -0.11181246 2.99014786
 5.4010702 1.69538105 2.47529515 -3.26620789]
 Sample 1245: [1.40487267 1.06640358 0.60967623 3.27138431 2.28592222
 -2.79203974
 3.92286827 -3.07538301 -2.73806602 1.83784196 -0.15564702 3.07761218
 5.3877073 1.69644033 2.45310154 -3.16594312]
 Sample 1246: [1.47522963 1.07617127 0.58397109 3.22563913 2.29967874
 -2.82299347
 3.93552212 -3.00360269 -2.7391 1.83800688 -0.12811768 3.02490012
 5.30129753 1.65926141 2.48153405 -3.18251754]
 Sample 1247: [1.55150784 1.01122832 0.57169314 3.21070561 2.2847816
 -2.81072246
 3.89115668 -3.00127809 -2.79467412 1.91610264 -0.14938255 3.01850082
 5.31093626 1.59696579 2.48541683 -3.10852242]
 Sample 1248: [1.56989762 1.04718924 0.59423715 3.22607711 2.24160028
 -2.83771118
 3.91828007 -2.99659214 -2.83918122 1.90350527 -0.16817077 2.99754565
 5.31763064 1.58933871 2.51830728 -3.06435327]
 Sample 1249: [1.60576556 1.07674091 0.57280141 3.26169009 2.30064427
 -2.86845847
 3.90640449 -2.99265439 -2.80395488 1.88132147 -0.17366746 2.90789267
 5.31859841 1.68600265 2.45234874 -3.10565893]
 Sample 1250: [1.65298142 1.0033655 0.58081887 3.32916598 2.25989515
 -2.88409636
 3.85688443 -3.0595147 -2.80892381 1.855933 -0.14435084 2.84329836
 5.34929035 1.71844861 2.5562856 -3.09905856]
 Sample 1251: [1.62491092 1.02364897 0.60250395 3.32274541 2.26093826
 -2.81835701
 3.83214861 -3.01230752 -2.82401701 1.8857813 -0.17234122 2.80569159
 5.3039702 1.75149802 2.58101887 -3.08823327]
 Sample 1252: [1.6447392 1.02343476 0.56873813 3.26454531 2.22445486
 -2.83312119
 3.82175372 -3.02340037 -2.89177399 1.81662552 -0.13002703 2.79963058
 5.2612879 1.71410818 2.6055542 -3.11731818]
 Sample 1253: [1.58726028e+00 9.90555287e-01 5.98509120e-01 3.29304511e+00
 2.15393891e+00 -2.87745075e+00 3.84321325e+00 -2.98433030e+00
 -2.92468535e+00 1.77404388e+00 -1.22839912e-03 2.77318823e+00
 5.27930704e+00 1.67640410e+00 2.61872672e+00 -3.13654356e+00]
 Sample 1254: [1.52207812 1.05951575 0.57698193 3.31185819 2.16141369
 -2.84060638
 3.92402171 -2.99860549 -2.93828915 1.78856343 0.0959712 2.89336637
 5.19371479 1.67674823 2.58700463 -3.13572843]

Sample 1255: [1.57035455 1.02283848 0.59005596 3.21639007 2.17431178
 -2.80906019
 3.96689327 -3.01716998 -2.98169238 1.83702584 0.0815879 2.88235556
 5.18587616 1.71796908 2.55482453 -3.12070623]
 Sample 1256: [1.6634978 1.0692634 0.58593886 3.15579952 2.24191067
 -2.72862679
 3.97832097 -3.0453225 -2.93314227 1.82050094 0.03801869 2.91176633
 5.16144139 1.74177616 2.52786314 -3.0346417]
 Sample 1257: [1.57558917 1.04208099 0.59399983 3.16025955 2.32612737
 -2.70459604
 4.00372095 -3.09231193 -2.92622611 1.83015759 0.19678525 2.84228359
 5.11286667 1.68253575 2.51675112 -3.06256293]
 Sample 1258: [1.52253826 1.07904102 0.59688002 3.11028887 2.32838212
 -2.68669785
 4.11277476 -3.08956694 -2.88824251 1.85412635 0.13201397 2.79328153
 5.09301814 1.67305643 2.5459484 -3.01254152]
 Sample 1259: [1.48448306 1.08454539 0.58760686 3.08754958 2.37595335
 -2.68778296
 4.12765255 -3.10932576 -2.94501183 1.93199088 0.15750253 2.75702458
 5.0591194 1.63480115 2.52469743 -3.05697341]
 Sample 1260: [1.4838831 1.06363474 0.6066813 3.12809331 2.3745628
 -2.67304784
 4.14756634 -3.06452802 -2.95357203 1.8508588 0.1790017 2.75064193
 5.07801234 1.66271664 2.49488412 -2.98412107]
 Sample 1261: [1.40077883 1.09221312 0.58350853 3.16012298 2.38132624
 -2.64569687
 4.13884929 -3.06910763 -2.94542704 1.90502521 0.1598986 2.82622152
 5.07106432 1.67843923 2.40719619 -3.0297984]
 Sample 1262: [1.41464628 1.14190442 0.59717535 3.1308444 2.42818257
 -2.64274766
 4.12185906 -3.00035428 -3.00411579 1.88276487 0.09732908 2.76069194
 5.02159933 1.73448777 2.38869919 -3.05704784]
 Sample 1263: [1.43823402e+00 1.09356336e+00 5.56755870e-01 3.11125719e+00
 2.54797700e+00 -2.65582723e+00 4.09892632e+00 -2.97585994e+00
 -3.07758732e+00 1.91162039e+00 3.55707690e-03 2.81547535e+00
 5.03704057e+00 1.69773758e+00 2.40419916e+00 -3.04697901e+00]
 Sample 1264: [1.39322228 1.14035356 0.58506921 3.14861686 2.60651754
 -2.6157776
 4.13360932 -2.98328466 -3.09557604 1.90150805 0.00678609 2.81504871
 4.94700977 1.75641267 2.36560697 -2.99555086]
 Sample 1265: [1.47050153e+00 1.11461315e+00 5.96831162e-01 3.17496306e+00
 2.59922228e+00 -2.52281438e+00 4.13044451e+00 -3.09912250e+00
 -3.10868979e+00 1.90755264e+00 -2.50812474e-03 2.81303858e+00
 4.91454567e+00 1.77945003e+00 2.38674825e+00 -3.04427346e+00]
 Sample 1266: [1.45246181 1.0933692 0.59474043 3.1345596 2.58085555
 -2.52555331
 4.16410452 -2.99526785 -3.01511086 1.87158786 0.0368346 2.82231876
 4.80217785 1.79731746 2.41808741 -3.10173405]

Sample 1267: [1.43564685 1.10849581 0.58503553 3.05543155 2.48220141
 -2.5464991
 4.13678551 -3.05845391 -3.04576492 1.81436589 0.11666274 2.82249599
 4.80819921 1.81135297 2.44883122 -3.13029603]
 Sample 1268: [1.40317058 1.07913257 0.61014653 3.03196396 2.470498
 -2.53633963
 4.1568909 -3.12600946 -3.02712815 1.80394698 0.12080738 2.83714536
 4.83210242 1.84548242 2.34399306 -3.09020159]
 Sample 1269: [1.35943431 1.12394951 0.60876144 3.00407545 2.43301552
 -2.4839899
 4.12465581 -3.09120334 -2.97574386 1.74116122 0.1532701 2.82917066
 4.82220704 1.79877163 2.44958001 -3.06343798]
 Sample 1270: [1.32581137 1.16242487 0.5934453 2.98849185 2.36666663
 -2.48199741
 4.06027606 -3.08700421 -2.93423104 1.70154216 0.29019464 2.82719596
 4.86309526 1.80276535 2.42639106 -3.04348713]
 Sample 1271: [1.28974952 1.08157534 0.60728333 2.9470858 2.33234482
 -2.49733824
 4.07639098 -3.05415987 -2.84883635 1.72183316 0.28295085 2.84309803
 4.91106393 1.89238985 2.43820764 -3.05772366]
 Sample 1272: [1.27648715 1.07680769 0.57728937 2.96316959 2.25591092
 -2.43073566
 4.10726118 -2.96967959 -2.82843489 1.6505756 0.32519772 2.81867738
 4.95356475 1.83612251 2.40051233 -3.10727313]
 Sample 1273: [1.30895221 1.1279987 0.59664613 3.04135476 2.24982108
 -2.42395499
 4.11356094 -3.04308984 -2.9092457 1.57356542 0.4361719 2.7212848
 5.02646771 1.79483161 2.44496958 -3.09979679]
 Sample 1274: [1.36464549 1.03681277 0.60265699 2.99556014 2.26973344
 -2.44980188
 4.11884718 -3.09865746 -2.8301965 1.52824831 0.44875735 2.73248616
 5.0060999 1.77273511 2.47581188 -3.09295521]
 Sample 1275: [1.42569118 1.04873878 0.63444225 2.875475 2.32593955
 -2.44865184
 4.09247424 -3.21260667 -2.72346901 1.529978 0.47435882 2.63449201
 4.99947057 1.86440095 2.41814402 -3.01328379]
 Sample 1276: [1.34443819 1.01746903 0.61668849 2.85201664 2.31427205
 -2.45834194
 4.14062711 -3.22598283 -2.72264146 1.46765645 0.51724287 2.65405365
 5.0232413 1.76603449 2.45626744 -2.91761549]
 Sample 1277: [1.37512688 1.12848473 0.65091513 2.79798008 2.28699711
 -2.42934421
 4.126444 -3.29827424 -2.78505062 1.43933788 0.63760792 2.61739856
 5.00980118 1.70795592 2.49208227 -2.87627309]
 Sample 1278: [1.28654918 1.06175806 0.64339682 2.83592446 2.28848738
 -2.47693478
 4.25634368 -3.32886364 -2.71447035 1.38086883 0.68225461 2.54386133
 5.00369486 1.68557899 2.49137329 -2.82385761]

Sample 1279: [1.28718189 1.12346917 0.66217415 2.86791016 2.33437983
 -2.51473543
 4.16556411 -3.40981019 -2.78042627 1.34104158 0.71977243 2.59961104
 4.97776499 1.68919236 2.50605181 -2.79792077]
 Sample 1280: [1.40007561 1.13932878 0.64216521 2.86160253 2.35045602
 -2.50540863
 4.11344562 -3.35972396 -2.78726549 1.30651717 0.64461049 2.6255833
 4.96589387 1.69984506 2.45173337 -2.79974624]
 Sample 1281: [1.42699026 1.12046508 0.64781314 2.85162098 2.34681998
 -2.49786641
 4.21582947 -3.3393268 -2.7662051 1.32716127 0.60730523 2.65651352
 4.92465371 1.67804642 2.40226081 -2.81052528]
 Sample 1282: [1.44423632 1.21620979 0.66020685 2.82630034 2.39628399
 -2.5227408
 4.25092022 -3.351983 -2.7140941 1.34460301 0.59400982 2.71637831
 4.89322089 1.64576482 2.39118463 -2.80734366]
 Sample 1283: [1.52024051 1.23663527 0.6565129 2.84281538 2.49195979
 -2.47044223
 4.24117597 -3.31428051 -2.78835552 1.31078326 0.58653925 2.70500706
 4.86894195 1.66059887 2.45591426 -2.80825544]
 Sample 1284: [1.45543926 1.26871166 0.63431307 2.90877385 2.43278655
 -2.50917279
 4.28944605 -3.30015802 -2.7663727 1.29707671 0.50477891 2.68364556
 4.87911562 1.62231954 2.45023501 -2.75535576]
 Sample 1285: [1.42708813 1.21555356 0.65117355 2.93490389 2.39244995
 -2.60421555
 4.24528021 -3.24486053 -2.83051255 1.29685753 0.51168547 2.65683716
 4.90784709 1.63407197 2.46143294 -2.72797074]
 Sample 1286: [1.35600435 1.19722478 0.62303479 2.9675604 2.31505578
 -2.69769965
 4.24047541 -3.29080191 -2.85159918 1.28998812 0.45823275 2.65860475
 4.77855147 1.68163065 2.53860343 -2.66719892]
 Sample 1287: [1.38307945 1.18560888 0.65286536 2.94809684 2.34989328
 -2.73297911
 4.15646762 -3.29298028 -2.77919891 1.29749228 0.45093532 2.6763201
 4.78297761 1.69257014 2.59545455 -2.715283]
 Sample 1288: [1.39730399 1.15182544 0.62306038 2.91164994 2.29202441
 -2.74694313
 4.25605455 -3.27349256 -2.89195197 1.31479445 0.38918657 2.60895776
 4.73175326 1.76264541 2.67665406 -2.72463743]
 Sample 1289: [1.40468216 1.12252667 0.6387896 3.02935524 2.35324915
 -2.70908985
 4.22936277 -3.24330745 -2.98700077 1.36685562 0.38738873 2.58858319
 4.66428195 1.72370993 2.76823069 -2.65309094]
 Sample 1290: [1.37535256 1.11670542 0.6236463 3.07921131 2.43305206
 -2.68341119
 4.2160324 -3.26212793 -2.93299711 1.36805725 0.36579659 2.54667379
 4.76290499 1.69649199 2.81783512 -2.67945251]

Sample 1291: [1.40863804 1.11520835 0.63833007 3.11578113 2.34242386
 -2.6831444
 4.25663631 -3.24467821 -2.93880805 1.32418015 0.38795757 2.54380943
 4.76137457 1.75352015 2.75423845 -2.65798904]
 Sample 1292: [1.39692437 1.18523152 0.63818031 3.20017134 2.33274006
 -2.69836745
 4.21592103 -3.3005394 -2.98814713 1.29595932 0.42508296 2.55266847
 4.71690366 1.74021477 2.84316262 -2.59261081]
 Sample 1293: [1.44065207 1.15059157 0.64668251 3.26571979 2.35567737
 -2.68856213
 4.13310384 -3.27935099 -2.9326216 1.25648662 0.47098622 2.49678825
 4.71745787 1.70578145 2.90226572 -2.70324969]
 Sample 1294: [1.4620867 1.15248181 0.62913223 3.30699454 2.34968941
 -2.7501045
 4.08775206 -3.2555339 -2.91149999 1.18720005 0.4504202 2.48986719
 4.60927004 1.59123152 2.90944328 -2.71944093]
 Sample 1295: [1.56407578 1.18455454 0.60391955 3.34117834 2.36628056
 -2.69520949
 4.08599121 -3.12659209 -2.96930977 1.15326348 0.47923529 2.4508906
 4.47838964 1.54300887 2.83285188 -2.72795228]
 Sample 1296: [1.60376562 1.08618096 0.59607589 3.33113777 2.31971024
 -2.68747392
 4.0687749 -3.10150229 -2.91836109 1.06305732 0.49759809 2.44416825
 4.43797947 1.61650303 2.92119079 -2.7208522]
 Sample 1297: [1.64133354 1.13213272 0.59456201 3.32555467 2.30817242
 -2.64062343
 4.03259777 -2.99516563 -2.87290117 1.11901202 0.53509632 2.55400096
 4.37869083 1.60423021 3.01495253 -2.6338296]
 Sample 1298: [1.66103879 1.13852932 0.56994769 3.3737077 2.2238777
 -2.58409683
 4.03811785 -3.03001404 -2.865624 1.17826617 0.58858763 2.51459404
 4.44277857 1.53867416 2.99797498 -2.64545751]
 Sample 1299: [1.65957858 1.01389989 0.59820148 3.43389989 2.19186362
 -2.55236053
 4.01609677 -2.99562665 -2.82352909 1.21716134 0.53025044 2.51883073
 4.44359783 1.49893144 2.99070658 -2.62280949]
 Sample 1300: [1.6601243 1.13015708 0.56263055 3.45318844 2.23540891
 -2.50338132
 3.98682628 -2.98963245 -2.82460589 1.22745222 0.64485048 2.46973922
 4.42942097 1.49700974 3.00500057 -2.68295895]
 Sample 1301: [1.65747203 1.08061283 0.60026108 3.44465561 2.27348557
 -2.49533874
 3.97435285 -3.00132445 -2.78758094 1.21153004 0.63183254 2.40963445
 4.35758625 1.5217338 2.99086217 -2.67490331]
 Sample 1302: [1.59678305 1.07578147 0.55604955 3.44262978 2.20660262
 -2.56418293
 3.98421058 -2.89758917 -2.80381397 1.1389723 0.65370014 2.42581443
 4.38307065 1.50152055 3.00774349 -2.7941573]

Sample 1303: [1.63964087 1.06896737 0.57281302 3.46614338 2.1762132
 -2.63712561
 4.02832475 -2.96682687 -2.69027545 1.09775797 0.69949275 2.3886069
 4.43620606 1.40158415 2.97169614 -2.74267428]
 Sample 1304: [1.62588403 1.05153208 0.56479147 3.51962205 2.15043371
 -2.67080532
 3.89383566 -2.97240567 -2.69236308 1.10657479 0.69601843 2.30727383
 4.39718394 1.40785139 2.94198321 -2.6283576]
 Sample 1305: [1.68109284 1.09176875 0.57666393 3.43562082 2.12534059
 -2.67701451
 3.9305297 -2.95530112 -2.71177759 1.05593893 0.62206852 2.33843463
 4.38641838 1.46302372 2.9477536 -2.69318005]
 Sample 1306: [1.68524554 1.04687908 0.57979826 3.4440825 2.14626728
 -2.63704903
 4.00969109 -2.9850727 -2.69988448 1.00715644 0.58642111 2.38978662
 4.37968456 1.42864911 2.96861233 -2.71300673]
 Sample 1307: [1.62928183 1.02521784 0.57885349 3.40359115 2.08932364
 -2.55824616
 4.0336735 -2.96637223 -2.61878115 1.01927743 0.58159908 2.45659699
 4.39596481 1.41337763 2.92116477 -2.7539002]
 Sample 1308: [1.60884634 1.04344773 0.5679485 3.41649247 2.11154924
 -2.56031293
 3.97526055 -2.98022028 -2.65632666 0.96628351 0.59512496 2.46901575
 4.36311474 1.46207423 2.95538834 -2.75710368]
 Sample 1309: [1.61423885 1.12812405 0.59627743 3.47836232 2.11336627
 -2.56769705
 3.93667844 -3.01726006 -2.6635098 0.97974709 0.56128666 2.45530436
 4.38386135 1.43539835 2.9392843 -2.70015624]
 Sample 1310: [1.57591966 1.09458661 0.57281527 3.46090099 2.16378817
 -2.57462316
 4.03029117 -3.02187698 -2.721418 0.97968809 0.56812201 2.45052147
 4.32728315 1.39833435 2.88822029 -2.74115271]
 Sample 1311: [1.56903524 1.12030223 0.57517494 3.34694124 2.21154204
 -2.58361706
 4.05823038 -2.92130504 -2.70327591 1.02795497 0.55861788 2.38451666
 4.36753551 1.40777404 2.9211401 -2.74877367]
 Sample 1312: [1.59656275 1.15047037 0.56410632 3.38277617 2.17411779
 -2.57840483
 4.09193741 -2.94699558 -2.75828535 1.02213383 0.57066482 2.43564044
 4.41315081 1.36775557 2.93158488 -2.78404306]
 Sample 1313: [1.57550104 1.12512645 0.59156304 3.44265735 2.23928327
 -2.50196784
 4.13310947 -2.97385763 -2.73378159 0.94519952 0.52732826 2.43736879
 4.47030442 1.40003801 2.86785038 -2.67486098]
 Sample 1314: [1.49956187 1.10686952 0.57110141 3.41083213 2.15739089
 -2.50406446
 4.13861957 -2.98977231 -2.73784946 0.87171175 0.47034552 2.41254329
 4.35594587 1.41983014 2.864669 -2.72152499]

Sample 1315: [1.48920588 1.106168 0.57404105 3.51115714 2.21498859
 -2.44721071
 4.21780878 -2.98281101 -2.68564852 0.90459074 0.53682493 2.32796151
 4.32404347 1.46532228 2.97703421 -2.71212913]
 Sample 1316: [1.49929021 1.16534132 0.60024821 3.42337834 2.0932468
 -2.4854607
 4.24197348 -3.03615911 -2.64603275 0.87531449 0.54370455 2.33533912
 4.25624626 1.5081595 2.99104509 -2.68919247]
 Sample 1317: [1.49507066 1.16647577 0.5916187 3.4002249 2.18830385
 -2.52489041
 4.27460808 -3.09649354 -2.70261713 0.92711788 0.53704445 2.31864686
 4.2513135 1.5288422 2.99849901 -2.6602271]
 Sample 1318: [1.55811924 1.18894391 0.6005332 3.38625139 2.21151359
 -2.41340555
 4.17977174 -3.13618584 -2.65078208 0.92172985 0.53440907 2.29759022
 4.2065973 1.50654199 2.91834874 -2.64668771]
 Sample 1319: [1.5217777 1.2251376 0.6345059 3.33656292 2.16171731
 -2.36553003
 4.1677964 -3.25518268 -2.68479788 0.90641457 0.50754051 2.30540245
 4.1994557 1.50551487 2.91570473 -2.68260537]
 Sample 1320: [1.54492065 1.2113746 0.63440246 3.30745426 2.08065056
 -2.32680313
 4.19789084 -3.27119688 -2.66455667 0.87930583 0.48181361 2.3307591
 4.22115928 1.4863051 2.89342399 -2.7071148]
 Sample 1321: [1.50868317 1.15448999 0.62217433 3.33310395 2.07642095
 -2.31568769
 4.12794823 -3.18931902 -2.61194375 0.80067253 0.51906785 2.27555686
 4.28734131 1.553846 2.90793548 -2.67371749]
 Sample 1322: [1.47207407 1.0611146 0.61552209 3.28762509 2.05129464
 -2.34386962
 4.11617895 -3.17167927 -2.62873261 0.72296621 0.53479907 2.28108815
 4.27338682 1.59175219 2.92308488 -2.58090067]
 Sample 1323: [1.38851538 1.03203915 0.62153952 3.25265488 2.13471891
 -2.35417567
 4.07493972 -3.19862411 -2.57293786 0.72439633 0.57977747 2.26591778
 4.44860799 1.56535829 2.88532865 -2.58737976]
 Sample 1324: [1.39032197 1.13329246 0.61626403 3.27978131 2.05849259
 -2.34250193
 4.0544415 -3.2013054 -2.5998942 0.69171314 0.60198026 2.24998386
 4.43553563 1.62740306 2.92295391 -2.48208033]
 Sample 1325: [1.36032709 1.09520414 0.63255488 3.2679546 2.01266915
 -2.32362449
 4.04597344 -3.20321849 -2.56095782 0.71164814 0.58551528 2.17385611
 4.37171344 1.46068782 3.01096177 -2.4610056]
 Sample 1326: [1.34199182 1.067886 0.61750826 3.25630524 2.03500572
 -2.31947449
 4.01272194 -3.20586738 -2.55823617 0.66282893 0.52383373 2.19070826
 4.35380129 1.51925877 2.98529832 -2.49039126]

Sample 1327: [1.34122028 1.12845603 0.62309355 3.26678054 2.04400445
 -2.27361893
 4.00657031 -3.18532046 -2.49736286 0.69651632 0.48836066 2.2211232
 4.30291423 1.58050246 2.96780051 -2.42057861]
 Sample 1328: [1.29063602 1.06607895 0.60179901 3.23580769 2.1115471
 -2.23138309
 4.03270916 -3.09888961 -2.4600454 0.64413911 0.43044194 2.20725852
 4.29907224 1.51597538 2.97705649 -2.50107018]
 Sample 1329: [1.34692059 1.14442096 0.60859799 3.27218128 2.17967206
 -2.25122696
 4.04660317 -3.12844493 -2.34881564 0.62220415 0.38486601 2.20011775
 4.33097647 1.47644923 3.0342392 -2.5383842]
 Sample 1330: [1.44217236 1.11093428 0.59639342 3.22820453 2.17081064
 -2.22905983
 4.0682722 -3.08722695 -2.37226532 0.54272661 0.34382298 2.11151519
 4.36653646 1.37730717 3.06183866 -2.48930075]
 Sample 1331: [1.42932156 1.11939362 0.61710187 3.16705877 2.22413724
 -2.2556734
 4.17451348 -3.13033924 -2.39361263 0.46247179 0.34650199 2.04893337
 4.37857566 1.33676529 3.02257744 -2.54105502]
 Sample 1332: [1.47030469 1.13218054 0.61398682 3.09404717 2.25531439
 -2.29837377
 4.11172929 -3.17087962 -2.37305723 0.46934665 0.39223229 2.04972615
 4.4163813 1.31709129 3.02469735 -2.56327986]
 Sample 1333: [1.41393595 1.04041668 0.59781793 3.15898569 2.29710989
 -2.3023259
 4.08897066 -3.08259626 -2.23911229 0.41677859 0.44971246 2.07784983
 4.39893261 1.46393264 3.07369772 -2.63737302]
 Sample 1334: [1.50111492 1.0555844 0.60386201 3.17940619 2.39794705
 -2.31218209
 4.02711289 -3.08347938 -2.3243534 0.45897725 0.44433937 2.12497423
 4.40393843 1.44259084 3.12474179 -2.67682449]
 Sample 1335: [1.47291325 1.03146943 0.60677977 3.11271869 2.33404951
 -2.26421696
 4.14726306 -3.13379183 -2.29193865 0.33884992 0.40772298 2.12921714
 4.45836787 1.39090593 3.10640418 -2.73880554]
 Sample 1336: [1.41871863 1.1046522 0.61195243 3.13866217 2.36115642
 -2.21818915
 4.15439981 -3.16257737 -2.26587717 0.30535992 0.38911618 2.07275452
 4.43984663 1.37740973 3.04505937 -2.6650041]
 Sample 1337: [1.4030153 1.07069396 0.61639047 3.13236164 2.37913646
 -2.25114003
 4.27286042 -3.17168923 -2.23422329 0.27643199 0.34692128 2.05507569
 4.4068747 1.41405295 2.92654183 -2.68880802]
 Sample 1338: [1.37944458 1.11375655 0.60268353 3.14084973 2.47964615
 -2.21240179
 4.11904342 -3.07123258 -2.220548 0.25781673 0.32545048 1.98102709
 4.44578397 1.37228946 2.86003471 -2.70687602]

Sample 1339: [1.38375944 1.08955823 0.5921488 3.14048131 2.46360179
 -2.18332046
 4.13024363 -3.03994921 -2.18517779 0.12832058 0.25747887 1.9251026
 4.31420626 1.3656581 2.90923715 -2.64023074]
 Sample 1340: [1.43559464 1.06263026 0.58750886 3.09271808 2.40400755
 -2.1256443
 4.20872379 -3.02922952 -2.22909721 0.07402936 0.19148483 1.89696907
 4.34027472 1.28902738 2.94117983 -2.64221728]
 Sample 1341: [1.47749618 1.02559995 0.57676868 3.01892531 2.43666024
 -2.12226876
 4.16679752 -3.01734052 -2.20118849 0.08039565 0.19762187 1.95956343
 4.29114505 1.30987391 2.95513668 -2.6214843]
 Sample 1342: [1.42258279 1.09071759 0.58880249 3.05191704 2.40956323
 -2.19965056
 4.13319222 -3.01742728 -2.20302969 0.07573069 0.16026415 1.92868477
 4.39720494 1.3597391 3.02653107 -2.59374417]
 Sample 1343: [1.45541003 1.06771175 0.58771598 3.0300832 2.44245411
 -2.23474046
 4.16043317 -3.02640002 -2.23397212 0.1608995 0.13787732 1.98998129
 4.50214586 1.38175104 3.1179438 -2.48590835]
 Sample 1344: [1.46118796 1.16561912 0.59582108 3.07844645 2.48463213
 -2.25104557
 4.19082582 -3.10007145 -2.06699292 0.14454752 0.07245791 2.08079475
 4.51535906 1.37323221 3.09267305 -2.46295256]
 Sample 1345: [1.52056198 1.15991389 0.60842924 3.09473672 2.51291218
 -2.25546454
 4.23400389 -3.08901746 -2.05090365 0.10829278 0.07120504 2.04673963
 4.42658921 1.42641286 3.07076485 -2.48414777]
 Sample 1346: [1.46132365e+00 1.17118768e+00 5.88819989e-01 2.99481470e+00
 2.54043863e+00 -2.27448050e+00 4.17972703e+00 -3.06462910e+00
 -2.07319046e+00 6.62820676e-02 -3.46677693e-03 2.01233129e+00
 4.38157379e+00 1.43095796e+00 3.11838608e+00 -2.47017355e+00]
 Sample 1347: [1.44963353 1.09509574 0.59649743 2.95014825 2.53879832
 -2.20311741
 4.09876 -3.04953796 -2.09488272 0.06333395 -0.06009456 2.0049135
 4.33434653 1.52838684 3.15761079 -2.48950458]
 Sample 1348: [1.47035381 1.08580066 0.58772048 2.98178583 2.56797646
 -2.18464165
 4.05954849 -3.06367308 -2.06589524 0.0664215 -0.06702844 1.97760516
 4.41578543 1.60995788 3.13801939 -2.53007351]
 Sample 1349: [1.44218392 1.11525741 0.59794291 3.07342555 2.5673313
 -2.21659506
 4.13758993 -3.04496351 -2.14525338 -0.1225957 0.00530815 1.98299925
 4.345944 1.53736242 3.15677795 -2.53041292]
 Sample 1350: [1.45665422e+00 1.10183552e+00 5.79927496e-01 3.00052562e+00
 2.60715355e+00 -2.24352352e+00 4.19328775e+00 -3.06485036e+00
 -2.05266449e+00 -1.45868332e-01 1.81785333e-03 1.94054060e+00
 4.42013707e+00 1.60281059e+00 3.15400816e+00 -2.52041182e+00]

Sample 1351: [1.44244817 1.12755485 0.61947804 3.01763642 2.62021491
 -2.30759381
 4.20467239 -3.09633885 -2.04960241 -0.09121003 -0.07816934 1.96737108
 4.40496304 1.63185463 3.11781045 -2.48871476]
 Sample 1352: [1.30400570e+00 1.09705524e+00 5.75868993e-01 3.07617971e+00
 2.61592048e+00 -2.36872508e+00 4.21183647e+00 -3.04766678e+00
 -2.02203723e+00 -4.93129741e-02 -1.56539133e-03 1.97037192e+00
 4.44461844e+00 1.65435406e+00 3.12188600e+00 -2.47535289e+00]
 Sample 1353: [1.22956021e+00 1.12306338e+00 6.12436509e-01 3.02594681e+00
 2.53542875e+00 -2.34248278e+00 4.22903824e+00 -3.09285438e+00
 -2.06070818e+00 -1.28621800e-01 -8.09530091e-05 2.01955284e+00
 4.42210790e+00 1.64856906e+00 3.14999229e+00 -2.47165288e+00]
 Sample 1354: [1.23190242e+00 1.15730558e+00 5.77499243e-01 3.00639036e+00
 2.52741153e+00 -2.36447442e+00 4.18312532e+00 -3.02192579e+00
 -2.01995590e+00 -1.33154464e-01 -1.28537251e-03 1.97766113e+00
 4.44469996e+00 1.63603942e+00 3.15468789e+00 -2.51740969e+00]
 Sample 1355: [1.2911784 1.13000637 0.59298519 3.03810592 2.45443943
 -2.34475547
 4.10809564 -2.99867036 -2.08704456 -0.15180478 -0.05559637 2.00037189
 4.48622775 1.64278155 3.14729719 -2.60298575]
 Sample 1356: [1.23928759 1.1821886 0.56360326 2.9955845 2.52764669
 -2.23837064
 4.12929718 -2.95575854 -2.12249866 -0.12371743 0.01021265 2.04521446
 4.43574955 1.6800995 3.16453073 -2.60966466]
 Sample 1357: [1.18753641 1.19411238 0.59577439 2.9317524 2.56601765
 -2.21854375
 4.14106255 -3.01546858 -2.12292266 -0.13819247 0.0647651 2.07310449
 4.41789193 1.69203279 3.19838062 -2.60445603]
 Sample 1358: [1.24351659 1.08867036 0.58336094 2.92975374 2.58481784
 -2.2486803
 4.16466238 -3.06078778 -2.12791966 -0.14345705 0.12071619 2.1174546
 4.41769076 1.72197799 3.14160225 -2.58956826]
 Sample 1359: [1.24121634 1.09469089 0.59267508 2.91244472 2.5550077
 -2.17514856
 4.12117265 -3.06579444 -2.15350754 -0.16606203 0.13787983 2.09980526
 4.44661858 1.75781933 3.13717076 -2.64162355]
 Sample 1360: [1.15923382 1.01019498 0.59809019 2.95558673 2.47659985
 -2.1806375
 4.19613363 -3.02126046 -2.19862776 -0.19844279 0.07033472 2.08368996
 4.36688619 1.77479683 3.20244124 -2.66727043]
 Sample 1361: [1.15430303 1.05158422 0.57243141 2.9904695 2.42670269
 -2.14871804
 4.11602824 -2.98943943 -2.26026305 -0.23418031 0.04934944 2.16725321
 4.40987744 1.74297407 3.21445335 -2.67537975]
 Sample 1362: [1.27078061 1.10148271 0.57641844 2.96113442 2.462646
 -2.2282443
 4.12352047 -2.93977926 -2.27132684 -0.25901817 0.0552392 2.19648989
 4.43670938 1.85416773 3.2279811 -2.66278771]

Sample 1363: [1.31468569 1.13007988 0.54768909 2.91368415 2.4893998
 -2.14040614
 4.07636911 -2.84007732 -2.19963276 -0.32183961 0.02386056 2.23596871
 4.4294458 1.89635539 3.27902821 -2.6161961]
 Sample 1364: [1.37437195 1.05922087 0.56598985 2.9454391 2.46415868
 -2.22315861
 4.11398653 -2.88902269 -2.26852455 -0.32515215 0.00506553 2.27308486
 4.37812522 1.88156113 3.17886376 -2.60891337]
 Sample 1365: [1.34700781 1.11319254 0.53374289 2.9939282 2.41234519
 -2.23840893
 4.04385704 -2.83519033 -2.32711368 -0.34878866 0.0661279 2.28222032
 4.48106998 1.89040745 3.21352057 -2.58749894]
 Sample 1366: [1.44260685 1.05872462 0.56128577 2.94705489 2.38745519
 -2.25168512
 4.09663248 -2.82826032 -2.29452612 -0.29808123 0.1187063 2.16696345
 4.52730459 1.87245953 3.22908312 -2.65813569]
 Sample 1367: [1.41609605 1.08344547 0.5409937 2.8964366 2.36711363
 -2.25207184
 4.05741859 -2.85746229 -2.34101594 -0.31130446 0.22236429 2.17493066
 4.49486906 1.89040864 3.14782635 -2.55448768]
 Sample 1368: [1.37375696 1.08591283 0.55717407 2.87279864 2.37510843
 -2.20539587
 4.04338489 -2.82637557 -2.31993461 -0.32573704 0.2203422 2.09541213
 4.46530936 1.84377578 3.17442236 -2.50158878]
 Sample 1369: [1.34914839 1.1098619 0.54480893 2.91843472 2.36956185
 -2.1938554
 4.13208662 -2.86872102 -2.27479162 -0.39407606 0.17030572 2.05450675
 4.46441138 1.82806577 3.20379664 -2.44905525]
 Sample 1370: [1.39709636 1.17707893 0.55665406 2.94829629 2.3599871
 -2.21876187
 4.19685021 -2.83046375 -2.2708008 -0.4457329 0.13769324 2.07918768
 4.54614127 1.79745734 3.15782237 -2.40122441]
 Sample 1371: [1.24547339 1.20185303 0.551916 2.92455668 2.28375721
 -2.11467639
 4.26632531 -2.90521716 -2.30200456 -0.49173408 0.05716042 2.05655151
 4.49450754 1.81130414 3.11452466 -2.42256809]
 Sample 1372: [1.28298498 1.09478311 0.57199434 2.94862339 2.27024035
 -2.16785569
 4.21818946 -2.90004361 -2.31032732 -0.48361455 0.07871558 2.09423656
 4.46178454 1.77597641 3.13934855 -2.45223076]
 Sample 1373: [1.25617283 1.11294852 0.55164514 2.91243399 2.3538862
 -2.21316974
 4.16764171 -2.8994142 -2.2662787 -0.50504875 0.11378161 2.06757312
 4.4063112 1.68798623 3.07458581 -2.49123609]
 Sample 1374: [1.2880107 1.11121189 0.56276032 2.9262118 2.38908659
 -2.21819707
 4.15673781 -2.8495227 -2.28515838 -0.53570051 0.10891672 2.02867915
 4.41265162 1.81132317 3.02283349 -2.53890266]

Sample 1375: [1.20184081 1.08476929 0.5421706 2.89000712 2.35458008
 -2.15380445
 4.19243506 -2.85658253 -2.25276333 -0.49720647 0.15724519 2.05508208
 4.34480517 1.8047874 3.01014222 -2.49183624]
 Sample 1376: [1.29847343 1.1926156 0.5644078 2.88233415 2.36491167
 -2.15765946
 4.22758373 -2.86362189 -2.34581958 -0.49044442 0.07542038 2.09174611
 4.43793822 1.75813488 2.99873099 -2.50759291]
 Sample 1377: [1.29904522 1.1670165 0.53723865 2.91871281 2.38085784
 -2.09652058
 4.18584387 -2.82874525 -2.27956681 -0.52307594 0.02296663 2.14707506
 4.43893968 1.76296341 2.97807238 -2.45626908]
 Sample 1378: [1.40180017 1.1673735 0.54182715 2.9232595 2.36338205
 -2.08114941
 4.23674864 -2.81049075 -2.35171694 -0.57433293 0.02808189 2.15293361
 4.41551172 1.73011284 2.97484646 -2.39399821]
 Sample 1379: [1.39440263 1.1232878 0.54793126 2.83899 2.35205769
 -2.04160782
 4.21011615 -2.82072579 -2.39470541 -0.68065202 0.0950224 2.19927119
 4.42779787 1.76350422 2.94088696 -2.32985596]
 Sample 1380: [1.39604443 1.23672178 0.5026995 2.74148752 2.33787107
 -1.99945405
 4.17421367 -2.7428395 -2.37720222 -0.72570023 0.10410607 2.11862685
 4.42155001 1.80984707 2.99721939 -2.31530399]
 Sample 1381: [1.34197169 1.19735297 0.56326204 2.73091667 2.36685292
 -2.02414081
 4.17628159 -2.7840646 -2.34221452 -0.6306994 0.04757584 2.07161681
 4.48317573 1.80751901 2.99897222 -2.34630611]
 Sample 1382: [1.31342791 1.14240896 0.52546851 2.68727271 2.37678263
 -2.13380625
 4.03389291 -2.85586594 -2.3082073 -0.61421057 0.06177785 1.96817348
 4.45078699 1.84286281 3.02881383 -2.42794293]
 Sample 1383: [1.26180422 1.02278254 0.54058862 2.58876399 2.38596203
 -2.07035027
 4.02628832 -2.69547501 -2.30261817 -0.67093078 0.09444205 1.96586019
 4.37000356 1.80601966 3.01519155 -2.44617539]
 Sample 1384: [1.32304638 1.10667967 0.49259574 2.59129476 2.32943953
 -2.03371558
 4.0216388 -2.68405721 -2.24476448 -0.63870313 0.12559002 1.96101198
 4.4405784 1.75329547 3.01609311 -2.44258648]
 Sample 1385: [1.27562988 1.11830506 0.53064115 2.53220192 2.39220116
 -2.06867916
 3.99212749 -2.66412228 -2.23607504 -0.75501814 0.17103975 1.88129778
 4.51394193 1.71938873 3.08453304 -2.45307679]
 Sample 1386: [1.32110466 1.12892539 0.51432177 2.5332947 2.31028884
 -2.02551013
 4.01647301 -2.73885289 -2.25494139 -0.72412534 0.12441032 1.93183777
 4.57588991 1.80183952 3.0372363 -2.36147757]

Sample 1387: [1.38324175 1.08233178 0.54906072 2.54189413 2.3927054
 -2.08367952
 4.01701664 -2.77326042 -2.32835181 -0.71524701 0.1762548 1.90347783
 4.59717745 1.76569682 3.05788476 -2.32518482]
 Sample 1388: [1.46937172 1.13335671 0.51371775 2.56421785 2.38020925
 -2.0725916
 4.02040956 -2.71238496 -2.28181719 -0.65132825 0.13818095 1.92298655
 4.56062167 1.69542764 3.04523627 -2.3291169]
 Sample 1389: [1.45121977 1.08145539 0.52554012 2.51406973 2.31643958
 -2.10499944
 3.98327697 -2.70044131 -2.29255365 -0.73153873 0.11629633 1.91332591
 4.52595184 1.68005738 3.02423241 -2.3975637]
 Sample 1390: [1.47095614 1.14666122 0.49930071 2.45417534 2.26928957
 -2.11651606
 3.99014242 -2.66473664 -2.27877148 -0.76060389 0.08124741 1.98234045
 4.57703701 1.75906671 2.97370218 -2.36775009]
 Sample 1391: [1.42847172e+00 1.13674864e+00 4.98227388e-01 2.51918805e+00
 2.31377423e+00 -2.09227685e+00 4.00994004e+00 -2.64617047e+00
 -2.33782796e+00 -7.52762521e-01 -2.90221289e-03 2.00159633e+00
 4.59424068e+00 1.73035397e+00 3.02472789e+00 -2.31942164e+00]
 Sample 1392: [1.44543182 1.15146343 0.516449 2.47824322 2.34913098
 -2.05205189
 4.04466749 -2.6752272 -2.28851381 -0.809789 -0.06965855 1.98772343
 4.48203764 1.72839792 3.01108752 -2.28513491]
 Sample 1393: [1.48712534 1.09205814 0.49797153 2.48857572 2.44802412
 -2.0160146
 4.11542738 -2.62989706 -2.22722145 -0.81984105 -0.1499311 1.96663694
 4.40741212 1.72265881 3.02648546 -2.32465721]
 Sample 1394: [1.47021153 1.17114688 0.4911269 2.46542514 2.39273438
 -2.02419648
 4.16347317 -2.57972474 -2.24024698 -0.88481166 -0.18461089 1.95688448
 4.34775687 1.69322693 3.10710462 -2.3269508]
 Sample 1395: [1.46432579 1.15371186 0.50480199 2.48550226 2.37242514
 -2.00786832
 4.2091848 -2.56838748 -2.26575722 -0.893544 -0.1583408 1.98771775
 4.30407388 1.78468468 3.12934288 -2.40555194]
 Sample 1396: [1.50169779 1.19811647 0.48466259 2.56157807 2.36645112
 -2.00766939
 4.20889015 -2.5601967 -2.29816286 -0.83273863 -0.13075124 1.96701142
 4.2530675 1.78680835 3.24433182 -2.38440389]
 Sample 1397: [1.51033062 1.16315571 0.50689531 2.56509842 2.36816908
 -2.05002608
 4.16080954 -2.61330996 -2.33571263 -0.8346879 -0.18143656 1.95403961
 4.2607503 1.80819426 3.23527801 -2.35829326]
 Sample 1398: [1.52825764 1.12909761 0.4970152 2.56507966 2.33956542
 -2.11230283
 4.23253128 -2.60334714 -2.28512375 -0.77493175 -0.22715423 1.90891273
 4.3285012 1.88333762 3.16526321 -2.43676322]

Sample 1399: [1.50290457 1.13429146 0.51573997 2.58891681 2.29970931
 -2.02916199
 4.20813057 -2.64726989 -2.34963817 -0.84420444 -0.22802644 1.96422061
 4.36004362 1.86339129 3.11256395 -2.47362783]
 Sample 1400: [1.5251496 1.09831429 0.51352029 2.59396322 2.34100534
 -2.05037552
 4.13928809 -2.69160139 -2.42514631 -0.79447382 -0.26921774 1.97313093
 4.31773132 1.93052637 3.11545945 -2.4829572]
 Sample 1401: [1.41263361 1.12437974 0.52483201 2.65766029 2.39815315
 -2.01452948
 4.21947029 -2.6848392 -2.47249349 -0.81668859 -0.3274268 2.01574361
 4.33102721 1.9574249 3.06272844 -2.51691332]
 Sample 1402: [1.373301 1.15033384 0.50098026 2.5986555 2.40389223
 -2.05393843
 4.19002555 -2.63734022 -2.48675957 -0.74785431 -0.35960152 2.05491913
 4.33556986 2.00255909 3.11008515 -2.51525788]
 Sample 1403: [1.41814514 1.19822323 0.52148504 2.50534563 2.36425973
 -2.0489672
 4.2181864 -2.66594534 -2.48257528 -0.73988411 -0.35010547 2.00009861
 4.30073302 2.0159101 3.17137698 -2.52989348]
 Sample 1404: [1.34528284 1.15743105 0.5171509 2.39104723 2.30872884
 -2.06218731
 4.20246738 -2.70800166 -2.41666996 -0.73604427 -0.30986305 2.01487274
 4.32350083 2.09886314 3.16263965 -2.5391693]
 Sample 1405: [1.22508016 1.0521071 0.5352146 2.33586006 2.31874213
 -2.04319884
 4.19137647 -2.73551525 -2.47278596 -0.71146008 -0.28865135 1.9813194
 4.30899532 2.07358644 3.18817143 -2.63109981]
 Sample 1406: [1.25914358 1.10516418 0.52731114 2.24889557 2.33091319
 -2.12934368
 4.1539004 -2.75140542 -2.43423721 -0.73421879 -0.28332665 2.00579055
 4.36428739 2.09649448 3.12988237 -2.6404085]
 Sample 1407: [1.32796419 1.03173641 0.52919179 2.20046724 2.31190063
 -2.12457604
 4.13990708 -2.75136406 -2.39221414 -0.69994331 -0.23641954 2.01561701
 4.34079817 2.07109393 3.12197821 -2.60824203]
 Sample 1408: [1.29610237 1.12702522 0.5399438 2.25504776 2.3206033
 -2.09169035
 4.19366458 -2.77763448 -2.33900315 -0.63797743 -0.24298984 1.98628038
 4.25801541 2.01901112 3.17702577 -2.59036868]
 Sample 1409: [1.26719326 1.18362477 0.53059017 2.22827053 2.35974317
 -2.10586147
 4.16860863 -2.74552736 -2.39363192 -0.70682166 -0.30225656 1.94117187
 4.21775335 1.9741221 3.2912055 -2.47553219]
 Sample 1410: [1.33088967 1.12904137 0.5198995 2.23017809 2.31415323
 -2.03896382
 4.23866178 -2.68299089 -2.37728898 -0.69886993 -0.25504245 1.95690879
 4.17899572 2.07569013 3.27421069 -2.53560848]

Sample 1411: [1.25530869 1.13029679 0.51640375 2.13473007 2.26119133
 -2.10944007
 4.22324263 -2.68559004 -2.44330729 -0.7360062 -0.21598834 1.89059363
 4.15248398 2.17004814 3.26728258 -2.41345819]
 Sample 1412: [1.31368709 1.11955009 0.53141431 2.11351099 2.30072521
 -2.17660315
 4.22852638 -2.73965564 -2.37499015 -0.84846034 -0.13269691 1.82024983
 4.16050273 2.08365625 3.2331218 -2.40643888]
 Sample 1413: [1.31210401 1.05817187 0.51865704 2.13952744 2.30889061
 -2.24860803
 4.30672841 -2.7201681 -2.38354633 -0.93874286 -0.09984708 1.86268193
 4.17116195 2.00093674 3.27011256 -2.35594393]
 Sample 1414: [1.2927448 1.1308147 0.55218879 2.14171028 2.26389917
 -2.23732146
 4.33242454 -2.81919648 -2.3465848 -0.90535785 -0.05238181 1.89698557
 4.08117033 1.95868774 3.25235843 -2.322953]
 Sample 1415: [1.33586568 1.20053123 0.53547331 2.18482622 2.37537725
 -2.23987859
 4.28102928 -2.81482838 -2.37704717 -0.87653955 -0.0222841 1.86082002
 4.1165942 1.95344827 3.28083164 -2.337325]
 Sample 1416: [1.34383984e+00 1.19182628e+00 5.51283657e-01 2.22244804e+00
 2.36824400e+00 -2.21117478e+00 4.26693511e+00 -2.80318961e+00
 -2.37010682e+00 -8.78403008e-01 7.82385473e-04 1.91614630e+00
 4.15653644e+00 2.04416118e+00 3.30492615e+00 -2.37946493e+00]
 Sample 1417: [1.38981218 1.12257678 0.5518173 2.22954367 2.46933169
 -2.16472104
 4.28838981 -2.89517194 -2.35448239 -0.92326639 0.08794829 1.86089596
 4.14109027 2.01844057 3.29490338 -2.36134608]
 Sample 1418: [1.41567561 1.16928113 0.56308544 2.14170227 2.46078458
 -2.15213594
 4.26195744 -2.85894605 -2.4123564 -0.9255931 0.09844634 1.82607065
 4.10654688 1.95989904 3.33477044 -2.39021319]
 Sample 1419: [1.35030771 1.11462453 0.53993266 2.17446714 2.52940919
 -2.13692415
 4.09237004 -2.83665885 -2.43963392 -0.97609563 0.11040758 1.87967287
 4.10102216 1.93340301 3.31165045 -2.3577177]
 Sample 1420: [1.31743656 1.1336066 0.5602787 2.14390826 2.58888221
 -2.17284363
 4.14570021 -2.85052485 -2.47296551 -1.03859032 0.06523608 1.88092544
 4.17245742 1.84602433 3.41019742 -2.45097921]
 Sample 1421: [1.40741959 1.1352698 0.53338254 2.17104893 2.59613936
 -2.17430811
 4.1370747 -2.807783 -2.39752365 -0.98541972 0.0980606 1.87451177
 4.1170214 1.86740588 3.40862982 -2.48065109]
 Sample 1422: [1.40651887 1.12152727 0.53877678 2.20722067 2.59204665
 -2.06821634
 4.0915655 -2.77206518 -2.38064221 -1.03187939 0.05497039 1.81679595
 4.12612847 1.82443656 3.39842299 -2.50745568]

Sample 1423: [1.34515322 1.07108816 0.52529517 2.17734337 2.52230286
-2.07147536
4.14136569 -2.73868234 -2.41064996 -0.9715749 0.05740519 1.76948328
4.16036603 1.85311994 3.38120169 -2.50899264]

Sample 1424: [1.47069743e+00 1.11039752e+00 5.31209990e-01 2.25659500e+00
2.54393374e+00 -2.01375238e+00 4.12879686e+00 -2.72000137e+00
-2.43121506e+00 -9.52859717e-01 -5.09400102e-06 1.85811272e+00
4.18174797e+00 1.81504857e+00 3.33372778e+00 -2.59855991e+00]

Sample 1425: [1.46928826 1.09196088 0.51937049 2.24598603 2.58774611
-2.08503972
4.11165679 -2.7139856 -2.47892256 -0.89583479 -0.0397846 1.82720277
4.17831058 1.85371752 3.31553866 -2.61268283]

Sample 1426: [1.46137378 1.08034073 0.51242848 2.29907776 2.59083778
-2.02847562
4.01093293 -2.64118175 -2.44730459 -0.92379295 -0.04024968 1.94340836
4.21577897 1.89517491 3.3356187 -2.6255376]

Sample 1427: [1.37454993 1.13360719 0.50354829 2.30280255 2.62458976
-2.02298175
4.03176011 -2.60877966 -2.4447993 -0.93814143 -0.09724753 1.96312228
4.15573937 1.88513061 3.2811415 -2.58881028]

Sample 1428: [1.41144316 1.11513113 0.51656069 2.23560666 2.61375175
-1.91954722
4.06029466 -2.66206044 -2.41873504 -0.96338888 -0.06194566 1.99321969
4.12221929 1.94366641 3.20064208 -2.53876774]

Sample 1429: [1.44915671 1.09463062 0.52141147 2.3419405 2.62033491
-1.92929048
4.08602647 -2.70242419 -2.57564001 -0.92680951 0.01785933 2.03361087
4.08206837 1.95313348 3.21751678 -2.44509094]

Sample 1430: [1.47094476e+00 1.13558256e+00 5.31848272e-01 2.31283666e+00
2.56337088e+00 -1.95033740e+00 4.13058334e+00 -2.72738884e+00
-2.55039814e+00 -8.70126094e-01 -2.77013472e-03 2.10362369e+00
4.04546558e+00 1.95791496e+00 3.15532097e+00 -2.57990238e+00]

Sample 1431: [1.34910853 1.12446609 0.54918538 2.24132728 2.59884351
-2.00296356
4.12089705 -2.82892416 -2.50382092 -0.81203906 -0.03924173 2.14180598
4.06128414 1.97884365 3.24333919 -2.47057564]

Sample 1432: [1.2888902 1.07970454 0.55699074 2.2957711 2.6810691
-1.97950824
4.05967057 -2.88375684 -2.48521305 -0.79900319 -0.02471862 2.14527601
3.97476065 2.0416253 3.22818703 -2.54392927]

Sample 1433: [1.29469501 1.09529301 0.558187 2.26337458 2.68175007
-2.08931374
4.0822409 -2.85745288 -2.47722454 -0.81492095 -0.10307485 2.11536538
4.05440828 2.13548448 3.16145696 -2.59761064]

Sample 1434: [1.2569018 1.14364353 0.55326101 2.24205699 2.72190754
-2.10138268
4.11598176 -2.83192503 -2.4956983 -0.83890765 -0.10471391 2.10520371
4.14268224 2.16795216 3.13774997 -2.6421347]

Sample 1435: [1.22816216 1.10998344 0.54702311 2.23648945 2.6410281
 -2.1197791
 4.16847422 -2.83429221 -2.44694566 -0.75788256 -0.13928965 2.07829461
 4.14959019 2.088063 3.22694981 -2.56885671]
 Sample 1436: [1.27179224 1.18924785 0.57232859 2.14962788 2.56361102
 -2.10773153
 4.21262219 -2.92029419 -2.40172 -0.79934782 -0.13918854 2.08355525
 4.27304285 2.03612731 3.21161176 -2.63751709]
 Sample 1437: [1.23151632 1.15358491 0.57663001 2.08974653 2.58511854
 -2.1213807
 4.1392469 -2.97572479 -2.32263055 -0.77105739 -0.09340679 2.06972049
 4.33031149 2.0218542 3.26783657 -2.6376364]
 Sample 1438: [1.25880946 1.08234589 0.56663072 2.07427293 2.69992142
 -2.05587749
 4.08045919 -2.93315635 -2.33432793 -0.68921616 -0.06594746 2.1658921
 4.37771651 1.99599611 3.3561191 -2.65656745]
 Sample 1439: [1.22334629 1.09457643 0.54946676 2.1662105 2.67556581
 -2.01348137
 4.03599863 -2.90477567 -2.33165747 -0.6490752 -0.11328953 2.31256115
 4.42110093 2.03139426 3.38615669 -2.61896356]
 Sample 1440: [1.13687831 1.09765745 0.57826979 2.11513819 2.6654627
 -2.04320706
 4.02126621 -2.91733775 -2.38240183 -0.66242165 -0.05273812 2.3345163
 4.39280416 1.90508765 3.36118813 -2.62966371]
 Sample 1441: [1.18888117 1.09885456 0.55430619 2.14489446 2.72853212
 -2.12197944
 3.91231614 -2.91347076 -2.41098702 -0.61840022 -0.07211545 2.35864549
 4.4112314 1.88880385 3.34367642 -2.71203279]
 Sample 1442: [1.3018759 1.09716999 0.56306985 2.22620101 2.68144194
 -2.13199513
 4.01514702 -2.89868074 -2.40064535 -0.68993182 0.04311479 2.31698965
 4.36975149 1.92232769 3.34101584 -2.67326307]
 Sample 1443: [1.25836993 1.10230389 0.54990735 2.23466764 2.63885937
 -2.12290921
 3.90304483 -2.89142858 -2.38525757 -0.69528077 0.06321859 2.28083881
 4.48186649 1.95124084 3.37234183 -2.65308444]
 Sample 1444: [1.3134956 1.05140338 0.55255026 2.34833647 2.64180222
 -2.21148184
 3.92482258 -2.85826099 -2.37962579 -0.76122049 0.1279961 2.27037475
 4.46280314 1.95971264 3.39395345 -2.64686106]
 Sample 1445: [1.36643176 1.03430764 0.54787582 2.33695855 2.63226046
 -2.23607669
 3.93869458 -2.8265883 -2.3483416 -0.67326352 0.0512788 2.17479051
 4.46574104 1.99365258 3.40707858 -2.60663605]
 Sample 1446: [1.31688165 1.02443848 0.53675441 2.36476072 2.54438901
 -2.28504981
 3.99698681 -2.80070392 -2.3905025 -0.65703568 0.14054334 2.18383818
 4.39086403 2.04626762 3.47877753 -2.59388455]

Sample 1447: [1.38038421 1.10648315 0.53205422 2.34318804 2.61571368
 -2.31502928
 3.94367932 -2.75641664 -2.41502545 -0.6913949 0.16338535 2.18425784
 4.38543756 2.08596054 3.45243152 -2.63445084]
 Sample 1448: [1.4663582 1.05130612 0.5294794 2.34227202 2.68441068
 -2.3005959
 3.94515762 -2.72115605 -2.35455371 -0.76096146 0.1839598 2.14875616
 4.30556938 2.16654897 3.42564325 -2.69590995]
 Sample 1449: [1.4946353 0.98407591 0.51156036 2.30101961 2.68879026
 -2.3578578
 3.97366052 -2.66656297 -2.31888732 -0.82737839 0.24648897 2.11580404
 4.3031949 2.20061307 3.44652558 -2.74215491]
 Sample 1450: [1.46616953 1.07420477 0.52087681 2.18137879 2.80915209
 -2.39077151
 4.04743462 -2.66523904 -2.32807416 -0.78770822 0.20124979 2.13691253
 4.21007092 2.19794748 3.45574434 -2.75434627]
 Sample 1451: [1.54441943 1.06260454 0.50088153 2.21172028 2.76204351
 -2.35346366
 4.04941456 -2.67354606 -2.23581708 -0.79387349 0.15937306 2.22229447
 4.24389443 2.26907954 3.38239877 -2.69817683]
 Sample 1452: [1.59554731 1.06125635 0.5278733 2.16949068 2.72885417
 -2.34674173
 4.04876796 -2.62079813 -2.21895768 -0.75097048 0.14201689 2.19273975
 4.29906271 2.23690742 3.32895588 -2.67217921]
 Sample 1453: [1.6184394 1.06506483 0.48578559 2.15120684 2.64986522
 -2.30414549
 4.00258817 -2.61297786 -2.0562798 -0.81897373 0.14691593 2.12668766
 4.2301222 2.14051663 3.26934887 -2.67949018]
 Sample 1454: [1.55478526 1.13102129 0.50596957 2.21415751 2.70201189
 -2.28658053
 3.96185615 -2.53923166 -2.01648358 -0.83951894 0.05715592 2.15880686
 4.12958881 2.1511086 3.24754884 -2.68019389]
 Sample 1455: [1.51058016 1.04990282 0.47412184 2.26781294 2.77661719
 -2.27997583
 3.97076443 -2.55103372 -2.00794412 -0.86887764 -0.05733274 2.17785843
 4.16773246 2.28262924 3.24752394 -2.5867267]
 Sample 1456: [1.47520924 1.02899119 0.50297757 2.34884537 2.76353537
 -2.24865412
 3.96368417 -2.52681519 -1.97246009 -0.85999432 -0.05464508 2.08417187
 4.20058731 2.23513837 3.22423098 -2.48749386]
 Sample 1457: [1.44988748 1.009742 0.46222875 2.43553778 2.72455118
 -2.29883876
 4.00490757 -2.48364395 -1.95165422 -0.88421672 -0.10474447 2.09205599
 4.19236666 2.18251746 3.24284266 -2.49222562]
 Sample 1458: [1.47494244 1.13411561 0.50729718 2.40892016 2.68898704
 -2.36539757
 3.97922945 -2.5620367 -2.00033908 -0.85105379 -0.14137242 2.07119067
 4.14163046 2.18648382 3.31455728 -2.47694073]

Sample 1459: [1.41316322 1.0985377 0.48222794 2.48166773 2.72663781
 -2.31422152
 3.94323663 -2.56943752 -2.01034576 -0.89807688 -0.13757883 2.06434535
 4.0824211 2.12083898 3.4516352 -2.50822669]
 Sample 1460: [1.49344767 1.10973389 0.51548034 2.47567854 2.74911449
 -2.36588719
 3.97003962 -2.59344372 -1.94005734 -0.8846061 -0.09634548 2.09749001
 3.96597065 2.07991055 3.44239527 -2.52704955]
 Sample 1461: [1.54306002 1.0044463 0.47692116 2.42845023 2.76058838
 -2.28468614
 3.91437331 -2.52918544 -1.97259076 -0.98715041 -0.15883735 2.13918806
 4.03935542 2.095645 3.38303607 -2.61830627]
 Sample 1462: [1.58088287 1.02927282 0.49133539 2.51493281 2.75904253
 -2.31110768
 3.95651666 -2.51575607 -1.98671715 -1.0557882 -0.08589865 2.11813352
 4.04953126 2.08161692 3.40829681 -2.57052056]
 Sample 1463: [1.62705992 1.08661556 0.48083849 2.53375028 2.72775494
 -2.28083152
 3.90727163 -2.53257489 -1.9552934 -1.03013634 -0.07681411 2.12041493
 4.10428649 2.0625071 3.37264442 -2.52188029]
 Sample 1464: [1.66985053 1.08569908 0.49194117 2.567435 2.6723405
 -2.33131025
 3.78587469 -2.51681485 -1.96472737 -0.94949511 -0.12168266 2.0842009
 4.09044308 2.05598878 3.45233698 -2.41920283]
 Sample 1465: [1.59127207 1.08126128 0.48379732 2.53173218 2.6127402
 -2.44206427
 3.82179965 -2.55672677 -2.00653608 -0.82359336 -0.03718987 2.13548582
 4.09292435 2.05990008 3.36467333 -2.33712799]
 Sample 1466: [1.50519763 1.06193801 0.48325964 2.6056069 2.61511166
 -2.4792864
 3.78320777 -2.50334879 -1.97669089 -0.79541163 -0.02995275 2.18052983
 4.07596345 2.03764839 3.33534275 -2.29829372]
 Sample 1467: [1.31860613 1.11931725 0.476497 2.52352003 2.66355777
 -2.51954503
 3.78808495 -2.51852221 -1.93317685 -0.83751791 0.0135794 2.22304013
 4.08678276 2.02912134 3.21964356 -2.25322555]
 Sample 1468: [1.35522564 1.1009772 0.50352643 2.55220229 2.67497336
 -2.48575346
 3.79832674 -2.62889414 -1.84299298 -0.92058518 -0.00571658 2.26225438
 4.06706618 1.9473911 3.23170536 -2.2075891]
 Sample 1469: [1.34564756 1.12879247 0.50146656 2.52366699 2.68981528
 -2.49638645
 3.9021656 -2.6373919 -1.89980277 -0.9219946 -0.10023096 2.18693725
 4.0685839 1.78577974 3.2481851 -2.20500697]
 Sample 1470: [1.42354429 1.12958867 0.50336612 2.51943904 2.74548844
 -2.54512493
 3.88765592 -2.56700133 -1.92456387 -0.93645404 -0.11297959 2.21180821
 4.01882844 1.79867158 3.22822778 -2.22325562]

Sample 1471: [1.40727951 1.0860335 0.48152027 2.57827595 2.73232945
 -2.56843213
 3.87126154 -2.58918745 -1.87223488 -0.90060351 -0.03154138 2.21684179
 3.91640134 1.78585656 3.18675873 -2.27836355]
 Sample 1472: [1.51962328 1.09869139 0.51546787 2.60650079 2.73135873
 -2.58542724
 3.96785962 -2.58500549 -1.8734016 -0.8735533 -0.06318454 2.19629261
 3.88934352 1.84030684 3.21132508 -2.35637957]
 Sample 1473: [1.49938789 1.05085037 0.47660384 2.61416017 2.72245754
 -2.49245979
 3.88812476 -2.58717663 -1.92516879 -0.81851069 -0.11743798 2.08103223
 3.85024648 1.81423942 3.276627 -2.3645698]
 Sample 1474: [1.54602143 1.03732389 0.52469458 2.65107991 2.73142766
 -2.4728471
 3.88798612 -2.60320468 -1.92029865 -0.88116729 -0.16099889 2.06126656
 3.86552265 1.84331795 3.31756976 -2.3559017]
 Sample 1475: [1.54173541 1.06600994 0.47973594 2.70999357 2.81187345
 -2.44733991
 3.91923852 -2.60580036 -1.95026131 -0.83234296 -0.17294485 2.08895975
 3.86767164 1.83590022 3.23433576 -2.30048312]
 Sample 1476: [1.56579873 1.10776851 0.52855253 2.71336413 2.75065685
 -2.4133915
 3.84249159 -2.62378743 -1.95046259 -0.80262489 -0.17776158 2.142262
 3.8927941 1.82206899 3.26205064 -2.34928405]
 Sample 1477: [1.6541042 1.08973911 0.48331456 2.68638612 2.74496359
 -2.32120095
 3.84312102 -2.62045768 -1.95238106 -0.7921516 -0.20177617 2.12434788
 3.8988989 1.82942644 3.17251268 -2.35692445]
 Sample 1478: [1.67118084 1.01830191 0.52895617 2.6632286 2.79773637
 -2.30825097
 3.88529727 -2.62594502 -2.00818474 -0.77423963 -0.1785513 2.05808081
 3.95147444 1.74878492 3.17717473 -2.43957633]
 Sample 1479: [1.64413025 1.04658213 0.49095875 2.6243965 2.78858374
 -2.29882503
 3.96736166 -2.66273684 -1.96670188 -0.75345964 -0.23055832 1.97148154
 3.98734173 1.79108915 3.17803681 -2.40934694]
 Sample 1480: [1.44984884 1.09595847 0.53841819 2.57533026 2.77189982
 -2.30668499
 3.99769386 -2.66777722 -1.98489747 -0.73123917 -0.3004362 1.98111362
 3.99845197 1.76402747 3.22436084 -2.43760452]
 Sample 1481: [1.47909919 1.03558947 0.48978425 2.54477318 2.77674406
 -2.25165674
 4.04990377 -2.65577358 -2.02462892 -0.76794019 -0.24362379 2.03148229
 4.0715977 1.79228334 3.20728626 -2.48360274]
 Sample 1482: [1.36453703 1.1012551 0.52880257 2.48368259 2.78896549
 -2.31606663
 4.00508049 -2.61850593 -1.98814668 -0.68727725 -0.29058743 1.97029947
 4.05838063 1.78298116 3.23801127 -2.52869357]

Sample 1483: [1.42967071 1.04812556 0.47519734 2.55967153 2.78056243
 -2.30488398
 4.00728748 -2.58325885 -1.9938791 -0.62488518 -0.32580885 2.00691693
 4.06894106 1.75120707 3.23931587 -2.49063991]
 Sample 1484: [1.46802143 1.09532852 0.52291147 2.61655363 2.72979515
 -2.28795918
 4.06617891 -2.6057852 -2.12613211 -0.59423593 -0.34993468 2.09720711
 4.1272381 1.69904703 3.25328868 -2.58863417]
 Sample 1485: [1.45688175 1.11663201 0.47650439 2.56317221 2.71106699
 -2.32939823
 3.97256124 -2.5752221 -2.17647096 -0.65252383 -0.32044635 2.09268739
 4.1852069 1.68716418 3.27216711 -2.5015523]
 Sample 1486: [1.42355654 1.11405112 0.52548966 2.5514877 2.7568819
 -2.29044979
 3.95047407 -2.62359628 -2.22694676 -0.71834706 -0.35172843 2.13247349
 4.15658279 1.82311002 3.25036054 -2.54741181]
 Sample 1487: [1.40143419 1.10574729 0.48540003 2.56552621 2.68521
 -2.25538347
 4.03765418 -2.60639482 -2.28270627 -0.65919595 -0.29212537 2.17344378
 4.21334451 1.75328882 3.21243857 -2.6182232]
 Sample 1488: [1.37343534 1.10586794 0.52024169 2.55561799 2.73531035
 -2.38712856
 4.11407924 -2.61323659 -2.34731279 -0.77867787 -0.31352676 2.16466372
 4.09963261 1.7580834 3.20403868 -2.55333904]
 Sample 1489: [1.33638954 1.1253559 0.49112803 2.54911419 2.86390496
 -2.4139522
 4.2037908 -2.61190419 -2.34204162 -0.77964271 -0.27096863 2.16593586
 4.06193229 1.77170309 3.27747256 -2.56648575]
 Sample 1490: [1.27671019 1.13254916 0.51009549 2.57514971 2.88471105
 -2.5381012
 4.21141703 -2.57920462 -2.33244345 -0.83264315 -0.33431328 2.09832899
 4.14864906 1.75618287 3.22759051 -2.65490126]
 Sample 1491: [1.26365646 1.11897256 0.48479681 2.47366529 2.87969946
 -2.4594188
 4.29887841 -2.5657559 -2.28079683 -0.83502974 -0.29669565 2.1191936
 4.19109198 1.70973835 3.19294494 -2.58563693]
 Sample 1492: [1.22517258 1.19542087 0.49960646 2.48925263 2.84906672
 -2.43453711
 4.30246946 -2.54845973 -2.31473652 -0.95905656 -0.24903746 2.10908338
 4.14193548 1.71087537 3.22154042 -2.59952438]
 Sample 1493: [1.20820327 1.23096867 0.49144935 2.48748144 2.82110162
 -2.50176339
 4.44660266 -2.57348302 -2.32284368 -1.05420088 -0.18720062 2.09661852
 4.13459339 1.79734721 3.20329612 -2.61005218]
 Sample 1494: [1.22371445 1.21643536 0.49365769 2.4935939 2.79452352
 -2.46806433
 4.44335467 -2.52856229 -2.24155508 -1.05278056 -0.12390834 2.05939582
 4.15787054 1.82583843 3.18648754 -2.62112927]

Sample 1495: [1.22713851 1.24251819 0.47024476 2.50381306 2.76711576
 -2.43639554
 4.4570059 -2.4521468 -2.28140337 -1.09910068 -0.12976941 2.06689704
 4.12128321 1.81600156 3.25951258 -2.68761824]
 Sample 1496: [1.23925922 1.15094456 0.48071742 2.57319502 2.66085023
 -2.50377442
 4.52930771 -2.49995875 -2.30633598 -1.11976297 -0.08107127 2.11843713
 4.11918255 1.89552619 3.26799419 -2.75857752]
 Sample 1497: [1.15437653 1.2175364 0.48058192 2.52757803 2.64815859
 -2.5591837
 4.44684047 -2.46982471 -2.31824346 -1.05285709 -0.10048258 2.18939253
 4.26110417 1.96574965 3.27505623 -2.77700544]
 Sample 1498: [1.18447392 1.19254025 0.4726926 2.42846413 2.65439579
 -2.56460967
 4.47856177 -2.50200916 -2.31810017 -1.0639695 -0.06433057 2.19600656
 4.21514903 2.08590106 3.28024954 -2.76825483]
 Sample 1499: [1.19049964 1.18538343 0.48422411 2.36023392 2.6594836
 -2.69144236
 4.43626663 -2.51529566 -2.30158443 -1.0042615 -0.03959795 2.18573383
 4.24390045 2.09407559 3.24077897 -2.8119118]
 Sample 1500: [1.20564224 1.19348983 0.49983831 2.40112909 2.58993855
 -2.76131963
 4.55029424 -2.61437524 -2.25389338 -1.06029109 -0.05930394 2.24279688
 4.34162337 2.1174387 3.25077789 -2.72183258]
 Sample 1501: [1.17547448 1.23031079 0.50296522 2.3238938 2.68835416
 -2.80309074
 4.60090979 -2.56557825 -2.17241591 -1.11601059 0.0128708 2.23276844
 4.34271142 2.12026486 3.28920624 -2.74428293]
 Sample 1502: [1.25897869 1.22255316 0.48997028 2.29602653 2.77527711
 -2.83715147
 4.62819318 -2.56409263 -2.21077608 -1.04410349 0.07721123 2.15235776
 4.34855555 2.09661051 3.28932617 -2.7219936]
 Sample 1503: [1.31178103 1.20116446 0.50567063 2.33182552 2.76602805
 -2.74902269
 4.71318152 -2.59213006 -2.16909472 -1.10599394 0.16585595 2.00088884
 4.40285933 2.1715286 3.39292135 -2.73620133]
 Sample 1504: [1.37364555 1.27770311 0.50472649 2.29033441 2.8762502
 -2.70674991
 4.70137069 -2.61956451 -2.13353954 -1.07490358 0.2264467 1.90957346
 4.33621404 2.2583545 3.48646964 -2.74471122]
 Sample 1505: [1.41329159 1.23373081 0.51734336 2.30545962 2.86551268
 -2.68741861
 4.74889145 -2.65789245 -2.15114552 -1.16065532 0.26371004 1.87559486
 4.29007871 2.28301371 3.52416412 -2.72958785]
 Sample 1506: [1.38578862 1.22006079 0.48842621 2.20893256 2.83253289
 -2.66949926
 4.73428697 -2.58138858 -2.14598173 -1.19697004 0.20972306 1.85825401
 4.26703694 2.34279781 3.47032437 -2.81571678]

Sample 1507: [1.36695066 1.12483536 0.5153113 2.15688642 2.81136255
 -2.62130228
 4.78032459 -2.60484661 -2.26438836 -1.09205038 0.25170068 1.91144644
 4.33349685 2.34601183 3.46459185 -2.73171155]
 Sample 1508: [1.33789432 1.213328 0.4955287 2.14271106 2.91667923
 -2.62702072
 4.78355596 -2.63948494 -2.26905272 -1.09037828 0.3065851 1.868437
 4.33083978 2.39022733 3.49602 -2.70094953]
 Sample 1509: [1.25628513 1.1867602 0.50953504 2.18025299 2.90215427
 -2.66166989
 4.75571926 -2.5695386 -2.24444797 -1.16119682 0.2487345 1.92167539
 4.32247494 2.35343508 3.5011757 -2.77560369]
 Sample 1510: [1.2213054 1.20620512 0.4672742 2.15901032 2.93380931
 -2.61974415
 4.76499021 -2.51823094 -2.31421463 -1.18802593 0.19406074 1.91972844
 4.31674649 2.22203395 3.52106527 -2.71290819]
 Sample 1511: [1.16632069 1.14356714 0.51426222 2.16659941 3.01838866
 -2.5353552
 4.78069556 -2.5573536 -2.33554798 -1.13502577 0.1566052 1.89919558
 4.3028099 2.24369156 3.44541905 -2.71915774]
 Sample 1512: [1.1565597 1.13033834 0.48601641 2.15826613 3.06878197
 -2.56837894
 4.76999414 -2.60538869 -2.34314222 -1.16209414 0.19283369 1.86632924
 4.26740587 2.19216796 3.42182712 -2.83468304]
 Sample 1513: [1.15480231 1.21664351 0.50896943 2.15137705 3.09119329
 -2.60708214
 4.83009256 -2.58788057 -2.23434328 -1.16166703 0.18328802 1.81911148
 4.29368188 2.14340938 3.40092052 -2.84882831]
 Sample 1514: [1.05072401 1.2284976 0.49696 2.10319489 3.12900119
 -2.52630279
 4.91380785 -2.56050636 -2.22622035 -1.19063011 0.16541163 1.80758709
 4.31041267 2.07129716 3.39362854 -2.82733417]
 Sample 1515: [1.02353711 1.18040301 0.50742968 2.08947145 3.11026238
 -2.48411992
 4.89345107 -2.62483828 -2.20119013 -1.19828481 0.19450899 1.8108947
 4.31718712 2.03735361 3.32305022 -2.73546512]
 Sample 1516: [0.98344493 1.23744321 0.49153539 2.0880179 3.13584864
 -2.55930189
 4.86179462 -2.54148402 -2.19754494 -1.19188618 0.23206216 1.81113926
 4.21271086 2.1378544 3.27009426 -2.76449076]
 Sample 1517: [1.00248084 1.26977632 0.49297167 2.13727164 3.16792149
 -2.58375143
 4.86087942 -2.54601379 -2.2033849 -1.19727706 0.18271153 1.87684188
 4.18530917 2.16079897 3.29795717 -2.76531066]
 Sample 1518: [1.00679482 1.17657091 0.48507448 2.14450026 3.20734742
 -2.63789041
 4.80961361 -2.57512356 -2.24312556 -1.22572571 0.15612714 1.79241004
 4.24036372 2.24611218 3.30939569 -2.81014842]

Sample 1519: [0.88973686 1.16545337 0.50105383 2.08205752 3.20409842
 -2.5731801
 4.80411263 -2.53303421 -2.18864368 -1.14916396 0.10358453 1.81427454
 4.2805082 2.32075414 3.36244449 -2.82231652]
 Sample 1520: [0.94535522 1.18925843 0.48892117 2.10526513 3.2333381
 -2.48868002
 4.79531887 -2.59621286 -2.13872891 -1.09813681 0.06546039 1.86998446
 4.31584243 2.26486971 3.31405178 -2.85923064]
 Sample 1521: [0.91241632 1.16417186 0.51456572 2.04786167 3.22725976
 -2.51602777
 4.72635672 -2.62902451 -2.13511559 -1.07681768 0.16381093 1.90696321
 4.37840398 2.26047235 3.26480049 -2.96273848]
 Sample 1522: [1.02244408 1.15708025 0.51759723 2.0166231 3.25660683
 -2.51910821
 4.78879197 -2.60602997 -2.12570573 -1.06093805 0.23060337 1.90169429
 4.35486067 2.24986671 3.26150123 -3.00422135]
 Sample 1523: [1.06192242 1.17964536 0.49207494 2.07139599 3.25232301
 -2.49959595
 4.85255047 -2.57383836 -2.12841331 -1.02280197 0.265767 1.79314664
 4.37536535 2.31997548 3.19053209 -2.99501763]
 Sample 1524: [0.98564309 1.13953959 0.49038613 2.0626826 3.35362389
 -2.43590715
 4.87868082 -2.53094441 -2.09141469 -0.9569975 0.32566174 1.82877746
 4.3844624 2.26443578 3.2123299 -3.0305461]
 Sample 1525: [0.98279786 1.14224009 0.49971301 2.06813407 3.35184007
 -2.40121897
 4.91345699 -2.56284286 -1.9501687 -0.95562549 0.37661074 1.85390198
 4.37449138 2.24584878 3.18176904 -2.96583726]
 Sample 1526: [0.98292917 1.17897 0.48978252 2.14295103 3.28291401
 -2.47090182
 4.81437842 -2.57308555 -1.90168235 -0.96363865 0.443954 1.88603412
 4.31830893 2.17503065 3.23975426 -3.04073886]
 Sample 1527: [0.99469803 1.15420324 0.51975549 2.14660713 3.37274079
 -2.4818505
 4.81511507 -2.62905228 -1.8833918 -1.01159724 0.50712681 1.81311698
 4.30089384 2.20224204 3.2010691 -3.0815636]
 Sample 1528: [1.00178271 1.19938406 0.51235312 2.13819879 3.38923215
 -2.52156727
 4.82648774 -2.67107095 -1.84025447 -0.98148698 0.55441438 1.86048622
 4.25723074 2.1816756 3.16714912 -2.97630555]
 Sample 1529: [0.86340594 1.23673632 0.49893841 2.10006995 3.40590276
 -2.44972892
 4.79014382 -2.62936416 -1.80901 -1.03635193 0.64062003 1.82190495
 4.25237981 2.11535554 3.19176922 -2.89408068]
 Sample 1530: [0.77362708 1.21540915 0.51478294 1.98023511 3.38540559
 -2.48147195
 4.93218084 -2.63497868 -1.84420439 -1.03022433 0.62291763 1.85845477
 4.35228088 2.05621727 3.2406903 -2.80759343]

Sample 1531: [0.72796105 1.22357618 0.47750933 1.92505366 3.41940354
 -2.57659654
 4.96117548 -2.62228379 -1.86738054 -1.10840302 0.68971918 1.86757774
 4.30698179 2.10699956 3.25667861 -2.83879055]
 Sample 1532: [0.71672185 1.20642636 0.52669229 1.90649042 3.405445
 -2.49526092
 4.96021976 -2.72559821 -1.8178805 -1.08326879 0.71012808 1.91331224
 4.34002362 2.07894595 3.19452161 -2.82520803]
 Sample 1533: [0.78900766 1.18069477 0.50470326 1.98314005 3.39720848
 -2.53640737
 4.90615083 -2.72363741 -1.87421957 -1.05979018 0.76014061 1.97518467
 4.38123871 2.07324106 3.11423846 -2.83287739]
 Sample 1534: [0.820106 1.20616775 0.52766654 1.9490665 3.36142535
 -2.5661577
 4.97281521 -2.68879229 -1.90206973 -1.03653064 0.73003317 1.90216395
 4.30948058 2.12887124 3.03364565 -2.85634504]
 Sample 1535: [0.81052104 1.24640367 0.50741923 1.95462933 3.34965384
 -2.54459214
 4.97676835 -2.7450718 -1.81886751 -0.94675143 0.83155005 1.87546686
 4.26424066 2.12539975 3.00020856 -2.85006606]
 Sample 1536: [0.78296178 1.23515432 0.54430028 1.97469921 3.30316354
 -2.62234331
 5.05554113 -2.77099777 -1.88059195 -0.93696221 0.7602247 1.87742151
 4.27662152 2.18136014 3.03867845 -2.83162348]
 Sample 1537: [0.69355885 1.19738053 0.50911036 1.99733461 3.27459327
 -2.61807265
 5.03506266 -2.8237802 -1.86243511 -1.03314046 0.80129399 1.87004664
 4.30404527 2.19661977 3.02639289 -2.83689339]
 Sample 1538: [0.58707641 1.23564192 0.52751603 1.95827657 3.29760598
 -2.63311344
 5.03095602 -2.77974849 -1.87881348 -1.03504719 0.8449624 1.82375333
 4.35637191 2.2190117 3.15020486 -2.83722524]
 Sample 1539: [0.48473315 1.17549062 0.51796487 1.8161127 3.27193573
 -2.66788107
 5.06187163 -2.79649651 -1.88414527 -1.00235758 0.76698623 1.83734889
 4.33249917 2.14877135 3.18320805 -2.73725217]
 Sample 1540: [0.48505336 1.19063403 0.57642321 1.78278772 3.33447274
 -2.65425071
 4.98612178 -2.80538958 -1.78812121 -0.94885971 0.73132659 1.76276572
 4.3299449 2.11688056 3.14196632 -2.83870007]
 Sample 1541: [0.37142517 1.18293033 0.53907536 1.76789661 3.36315546
 -2.69670823
 5.02242147 -2.83382757 -1.7464739 -0.92978441 0.72559696 1.74025033
 4.28604758 2.15493789 3.05747014 -2.86815332]
 Sample 1542: [0.34235687 1.21322921 0.56500725 1.78818969 3.32659295
 -2.7650292
 4.96322203 -2.799713 -1.81800179 -0.9387116 0.6131233 1.69774403
 4.24601938 2.14479035 2.93280264 -2.86226352]

Sample 1543: [0.30720814 1.27274413 0.53653319 1.73178348 3.29718481
 -2.70944283
 4.94497929 -2.81289323 -1.81480173 -1.03299021 0.69466401 1.64914692
 4.18347336 2.05257342 2.90036211 -2.924532]
 Sample 1544: [0.37272501 1.19470426 0.55899415 1.70767934 3.27132435
 -2.76733412
 4.98764897 -2.76337948 -1.84482449 -1.04316557 0.74296107 1.66665397
 4.25227763 2.05142329 2.91709308 -2.94389544]
 Sample 1545: [0.41436288 1.17777385 0.52995147 1.71456115 3.26318701
 -2.8087918
 4.92068899 -2.75512686 -1.83441234 -0.92258043 0.67671411 1.60802271
 4.28420745 2.08983587 2.92377114 -2.90836362]
 Sample 1546: [0.46653766 1.19161037 0.56257689 1.83850158 3.30423154
 -2.83142274
 4.8990817 -2.77283775 -1.77012272 -0.88370332 0.71005805 1.63164684
 4.28795074 2.05907423 3.07008794 -2.921272]
 Sample 1547: [0.4565848 1.14089952 0.54432373 1.8648699 3.27376503
 -2.92514641
 4.82209607 -2.81820885 -1.78696205 -0.91012204 0.72009971 1.7052825
 4.3326 2.02663641 3.0416285 -2.97762711]
 Sample 1548: [0.41848839 1.13339846 0.57475556 1.83509041 3.25111474
 -2.8180557
 4.82730385 -2.84217667 -1.8679315 -0.93325053 0.79734954 1.68932314
 4.25017633 2.07700226 3.00445077 -2.98806621]
 Sample 1549: [0.43083732 1.14400224 0.55177658 1.78398682 3.22584858
 -2.88223869
 4.84197956 -2.86945899 -1.8511601 -1.00655536 0.75955736 1.61649978
 4.25752659 2.08718738 2.99116222 -2.96812872]
 Sample 1550: [0.49571806 1.15896156 0.56911981 1.78886849 3.28729675
 -2.88489212
 4.90335554 -2.80682163 -1.83295101 -1.01070769 0.69088162 1.59717891
 4.22254131 2.04812722 2.8788972 -3.06359793]
 Sample 1551: [0.4765324 1.14443383 0.51916716 1.69761434 3.29929917
 -2.91585414
 4.90033847 -2.69307171 -1.77473664 -0.94917572 0.78663609 1.64760284
 4.23638307 2.03109331 2.8871115 -3.14114319]
 Sample 1552: [0.44432394 1.19299223 0.54910903 1.69493834 3.29876121
 -2.89374599
 4.87172129 -2.70914206 -1.79418865 -0.8998552 0.80719939 1.72522009
 4.22232004 2.00373403 2.79961349 -3.14979425]
 Sample 1553: [0.48840108 1.18895092 0.5401583 1.65377698 3.26695795
 -2.88283922
 4.79890463 -2.78613264 -1.72591911 -0.940653 0.8781702 1.82772959
 4.20870055 1.98155035 2.84929965 -3.18605443]
 Sample 1554: [0.46623443 1.20344389 0.57007178 1.69997723 3.32010383
 -2.91072083
 4.72620202 -2.7947378 -1.7383743 -0.94918975 0.84252791 1.86269238
 4.14045686 2.02701568 2.85207545 -3.15919084]

Sample 1555: [0.52930075 1.15767343 0.54992926 1.63902248 3.30006444
 -2.91844332
 4.71655413 -2.85486155 -1.71805602 -0.96328642 0.83123708 1.91512136
 4.07954176 1.92901067 2.76258252 -3.1820095]
 Sample 1556: [0.5308958 1.15436968 0.56205523 1.67089374 3.31168106
 -2.974608
 4.66453279 -2.84008813 -1.77877783 -0.93851724 0.87307792 1.86924928
 3.9346656 1.90661758 2.76665643 -3.16777119]
 Sample 1557: [0.61493701 1.18442074 0.52799329 1.67851537 3.38879211
 -2.90959177
 4.59091976 -2.78558068 -1.75704209 -0.9076624 0.943443 1.94736411
 3.91423926 1.92686246 2.88111575 -3.17996257]
 Sample 1558: [0.61450397 1.20274091 0.50827965 1.64768431 3.38764637
 -2.89242322
 4.66800744 -2.72359642 -1.74383459 -0.96373207 0.92577743 2.02601743
 3.9499471 1.99942624 2.93448942 -3.1333259]
 Sample 1559: [0.57417395 1.10416734 0.53353172 1.56598787 3.32850456
 -2.96040485
 4.62546108 -2.71053506 -1.87878682 -0.98756455 0.86961222 2.01199457
 3.93957212 1.99037894 2.83540631 -3.09006881]
 Sample 1560: [0.60918221 1.16434433 0.52131075 1.57991095 3.40252681
 -2.97085902
 4.7102159 -2.75877699 -1.92086323 -0.96900735 0.94202552 2.06260454
 3.88850703 2.02004065 2.81114368 -3.08615139]
 Sample 1561: [0.68775945 1.17697953 0.52779132 1.64459926 3.35868677
 -2.9219929
 4.70722973 -2.8072361 -1.92706904 -0.93169474 1.02745271 1.97938852
 4.00192352 2.09332153 2.78589219 -3.10610052]
 Sample 1562: [0.70902715 1.10963733 0.51923196 1.53543786 3.38634877
 -2.91691715
 4.82668387 -2.80399223 -2.04401286 -0.97055009 1.00222207 1.98059917
 4.0180116 2.022927 2.82141602 -3.0529615]
 Sample 1563: [0.6314016 1.17228112 0.53037467 1.50039888 3.46422481
 -2.90506893
 4.8674839 -2.82382817 -1.9947553 -1.02124725 0.97107349 1.95203022
 4.08512432 1.93868104 2.86183438 -2.96048275]
 Sample 1564: [0.60931201 1.21382401 0.53855576 1.41532584 3.5055107
 -2.95843217
 4.79112276 -2.87922709 -1.93313932 -1.09737881 0.9968228 1.98480167
 4.08121975 1.94405455 2.83959101 -2.94731347]
 Sample 1565: [0.58988898 1.20699294 0.53652857 1.39174131 3.56672257
 -2.96416612
 4.90456848 -2.85690714 -1.88129859 -1.1838729 0.95872194 1.97829949
 4.08756287 1.93130275 2.76091935 -2.850233]
 Sample 1566: [0.58975903 1.23116001 0.56377166 1.42911343 3.6082954
 -2.97090893
 4.89259449 -2.8499013 -1.92705604 -1.22091457 0.93398824 2.04279343
 4.10864141 1.90670855 2.81293461 -2.98935405]

Sample 1567: [0.62207122 1.27608205 0.55118781 1.45870752 3.51306993
 -3.06471742
 4.87264031 -2.93730287 -1.90895134 -1.21074712 0.9057326 2.03231672
 4.09124933 1.91489998 2.79340299 -2.95702384]
 Sample 1568: [0.65145474 1.23776803 0.56784304 1.45671609 3.50227897
 -3.04609444
 4.82862037 -2.91988473 -1.81776898 -1.23269099 0.86260513 1.97286635
 4.02506125 1.92175421 2.77277701 -2.99431303]
 Sample 1569: [0.65985725 1.25616477 0.5360252 1.41176838 3.4620184
 -3.04023664
 4.95209802 -2.89733977 -1.81070523 -1.20256436 0.90322978 1.97908759
 4.02324025 1.89271869 2.74189797 -3.0087705]
 Sample 1570: [0.68829525 1.25663007 0.53995412 1.35175291 3.42651219
 -2.98313818
 4.85860443 -2.82461086 -1.76665195 -1.23651691 0.89924615 1.92591892
 3.99546256 1.9043356 2.78537245 -2.95900268]
 Sample 1571: [0.72228749 1.22423913 0.53412549 1.30040588 3.35690906
 -2.97808179
 4.79360058 -2.89556582 -1.81633566 -1.17500334 0.9150786 1.87446013
 3.96350414 1.90975686 2.80573807 -3.06415325]
 Sample 1572: [0.62817257 1.12762443 0.56933953 1.2673118 3.37146567
 -3.00918584
 4.67174744 -2.94438501 -1.85911072 -1.23442364 0.94907844 1.89243716
 4.01939265 2.01407467 2.79715552 -3.03826633]
 Sample 1573: [0.72273466 1.11977878 0.54527144 1.29928455 3.40411098
 -3.00096228
 4.69657343 -2.97913337 -1.85961796 -1.29341891 1.01626221 1.92156987
 4.00503963 2.11009225 2.81337735 -2.97231809]
 Sample 1574: [0.68136813 1.15088912 0.56480339 1.23424221 3.44918991
 -2.95778314
 4.68189769 -2.98844863 -1.879224 -1.26512111 1.09762383 1.94011257
 4.05274761 2.16097431 2.83992542 -2.93084039]
 Sample 1575: [0.69336207 1.16858594 0.54540466 1.26325252 3.43297953
 -2.92881887
 4.59840367 -2.99330585 -1.8388707 -1.29500134 1.13482186 1.95645838
 4.0571392 2.12482096 2.79322398 -3.04192368]
 Sample 1576: [0.64916946 1.18276899 0.56269293 1.25803974 3.42060312
 -2.91129332
 4.66000799 -2.97367374 -1.80610999 -1.27608739 1.18358474 1.96158084
 4.07912733 2.0932436 2.85963772 -3.03274224]
 Sample 1577: [0.6354157 1.12661707 0.54980872 1.27850776 3.39234195
 -2.83919352
 4.58232912 -3.02511568 -1.76259515 -1.17413619 1.1881588 1.94858489
 4.08800243 2.15267878 2.82512129 -2.98021287]
 Sample 1578: [0.68581094 1.07128644 0.56950047 1.25647055 3.44265199
 -2.85334828
 4.49104745 -3.04350991 -1.82965423 -1.08228984 1.20717914 1.99555405
 4.10061771 2.22099277 2.92953868 -2.93817356]

Sample 1579: [0.67876474 1.10997101 0.53869856 1.2095909 3.49955359
 -2.822766
 4.45571789 -2.97623572 -1.90233726 -1.10039563 1.17967765 1.96234403
 4.070707 2.24915435 2.97183993 -2.93759658]
 Sample 1580: [0.58680068 1.01306145 0.55566318 1.30963072 3.52107319
 -2.8226314
 4.47855396 -2.96026225 -1.88273299 -1.12925701 1.14506335 1.95960202
 4.08176899 2.22670272 3.00437115 -2.93931658]
 Sample 1581: [0.61038249 1.10941148 0.57659734 1.26428172 3.58176572
 -2.82438026
 4.38179049 -3.00966961 -1.83215237 -1.18244317 1.0782605 2.02196842
 4.12325557 2.22319473 2.9437565 -2.88030312]
 Sample 1582: [0.74015735 1.07605346 0.52221658 1.36174571 3.51718722
 -2.85007685
 4.38814674 -2.92666057 -1.88928544 -1.10308522 1.13848712 2.05781519
 4.19227283 2.21115419 2.97994104 -2.89992696]
 Sample 1583: [0.76541917 1.08950675 0.58186992 1.35467136 3.51896984
 -2.78559865
 4.40856954 -2.99592266 -1.90891636 -1.20349757 1.11414199 2.10840285
 4.18259584 2.17583924 2.99153319 -2.9488938]
 Sample 1584: [0.700753 1.13319401 0.51910747 1.30352239 3.46328119
 -2.84682179
 4.42385982 -2.9373272 -1.94990035 -1.25565463 1.03171278 2.03801286
 4.17268869 2.08515522 3.08240072 -2.9797372]
 Sample 1585: [0.76737876 1.10817088 0.56159627 1.30471829 3.54257808
 -2.82652505
 4.40890593 -2.94502499 -1.95771284 -1.28579495 1.00800279 2.03090823
 4.1544346 2.10343701 3.06299256 -2.9574008]
 Sample 1586: [0.68117916 1.1239722 0.53012919 1.24335062 3.45099882
 -2.76167706
 4.46834364 -2.91137324 -1.98036251 -1.32610371 0.97577486 1.96765347
 4.14427832 2.06178174 3.00671335 -2.9683916]
 Sample 1587: [0.73904281 1.11778169 0.55976906 1.30934604 3.39931887
 -2.64351419
 4.41724598 -2.90801188 -1.95044711 -1.22016806 0.9983178 2.05290138
 4.08302126 2.13539517 3.09163889 -2.98463292]
 Sample 1588: [0.69402946 1.09683993 0.53942242 1.38365335 3.43694065
 -2.59051053
 4.38978898 -2.92197607 -1.97823934 -1.21405587 0.86516527 2.07454787
 4.1985512 2.12115 3.02574282 -2.93768342]
 Sample 1589: [0.72593765 1.02997849 0.53729156 1.35538819 3.50356806
 -2.61192619
 4.38162463 -2.82126622 -2.0760811 -1.21913911 0.93127406 2.06287015
 4.26291577 2.21270389 3.00440751 -2.96484789]
 Sample 1590: [0.80588795 1.03198051 0.51736106 1.36193673 3.57607608
 -2.58225962
 4.36008029 -2.76426847 -2.14805222 -1.25023703 1.05490627 2.05435177
 4.36102584 2.03264549 3.0442739 -2.97278237]

Sample 1591: [0.716543 1.02847995 0.51003727 1.33735103 3.52961742
 -2.67311325
 4.25506912 -2.73516133 -2.10296151 -1.30829936 1.0813355 2.12462984
 4.4179765 2.02556921 2.94674628 -3.0224573]
 Sample 1592: [0.74233485 1.06665484 0.52045789 1.3357638 3.50243169
 -2.64058612
 4.25269898 -2.82648536 -2.19166949 -1.27741561 1.00752953 2.17604376
 4.38291712 1.99108435 2.92981336 -2.98778352]
 Sample 1593: [0.66784829 1.09216833 0.54111402 1.38966446 3.49350798
 -2.61295489
 4.25940864 -2.90330077 -2.14256644 -1.17506503 0.99913336 2.23133783
 4.34540058 1.97101699 2.98510763 -2.9489334]
 Sample 1594: [0.7315418 1.05471361 0.5540453 1.43029567 3.47497953
 -2.57005559
 4.17990611 -2.96730523 -2.16829335 -1.18858954 1.02449773 2.26658816
 4.40835046 2.00757482 2.93813565 -2.92741701]
 Sample 1595: [0.74377499 1.14655807 0.55871773 1.38201648 3.47806164
 -2.60521977
 4.15876129 -2.96375709 -2.29963141 -1.1270283 1.15854612 2.25274192
 4.34459217 2.00245975 2.93962648 -2.87884077]
 Sample 1596: [0.75331168 1.07372101 0.53451722 1.34216658 3.51735053
 -2.58264055
 4.24510069 -2.90552866 -2.31908555 -1.13589098 1.22688392 2.326022
 4.3830449 1.97865004 2.88186451 -2.8850993]
 Sample 1597: [0.728738 1.07646934 0.5482278 1.3107818 3.50945168
 -2.52599456
 4.17586264 -2.9382769 -2.25433217 -1.19749038 1.28013964 2.39930754
 4.29527714 1.92272382 2.90254086 -2.88753663]
 Sample 1598: [0.67024727 1.05436322 0.51966932 1.3329579 3.50672517
 -2.59344901
 4.15730772 -2.89275001 -2.24948053 -1.16807243 1.24925017 2.38067735
 4.3218103 1.87397583 2.87111859 -2.92300794]
 Sample 1599: [0.69124897 1.05357656 0.52867406 1.36631623 3.50568426
 -2.57403084
 4.11576511 -2.87600275 -2.19264825 -1.07471531 1.22534348 2.38816535
 4.41493253 1.88122202 2.87501792 -2.98038447]
 Sample 1600: [0.65094248 1.07771912 0.51168171 1.39967207 3.50117733
 -2.65020994
 4.11226394 -2.88717549 -2.23564656 -1.18738731 1.28306213 2.48072407
 4.36633225 1.83268964 2.846577 -3.00850595]
 Sample 1601: [0.61503291 1.09796424 0.52591226 1.42213968 3.3686207
 -2.59171849
 4.06672135 -2.87823005 -2.15127741 -1.15373215 1.27105174 2.43603164
 4.26475012 1.88450063 2.8307852 -3.03697702]
 Sample 1602: [0.57031502 1.06419291 0.5097164 1.3960819 3.36005011
 -2.62941458
 4.14939352 -2.84730299 -2.08916028 -1.22050067 1.31379926 2.50391504
 4.3080871 1.86728731 2.86623349 -3.06418983]

Sample 1603: [0.54285191 1.12036142 0.55359931 1.43535382 3.32573367
 -2.62814903
 4.11950421 -2.82746426 -2.12281427 -1.28088577 1.20020491 2.60311936
 4.31326303 1.86307476 2.87928304 -3.04443393]
 Sample 1604: [0.4857323 1.07604814 0.55559231 1.44677799 3.309162
 -2.63067346
 4.11086846 -2.87755871 -2.11857769 -1.2300145 1.16590825 2.63562517
 4.30969211 1.84568043 2.90704431 -3.0145531]
 Sample 1605: [0.40510215 1.05813694 0.59530118 1.39309219 3.27020098
 -2.57813481
 4.11501127 -2.86514182 -2.10340475 -1.16718796 1.18896561 2.55351082
 4.26264824 1.77378493 2.88786455 -3.0238206]
 Sample 1606: [0.33325131 1.10572251 0.55701942 1.37225925 3.29324528
 -2.65844262
 4.08507851 -2.92386052 -2.17222754 -1.15405022 1.23834773 2.58189616
 4.24200036 1.74548946 2.8459912 -2.92124369]
 Sample 1607: [0.35477916 1.13270182 0.60358099 1.45746913 3.25852363
 -2.61143299
 4.02347811 -2.89417668 -2.16363247 -1.19350801 1.14474151 2.68261274
 4.20453163 1.72145297 2.86749125 -2.85248121]
 Sample 1608: [0.23619759 1.09631824 0.55601035 1.40668217 3.31355833
 -2.58913722
 4.08848911 -2.95931081 -2.15539419 -1.23984297 1.18288323 2.67887161
 4.31520406 1.73171964 2.88010507 -2.79276784]
 Sample 1609: [0.29554279 1.13351803 0.60194878 1.39768144 3.322745
 -2.60295605
 4.14442683 -2.95571742 -2.13647841 -1.20259809 1.23052231 2.69199543
 4.3432207 1.71737968 2.86538543 -2.81476307]
 Sample 1610: [0.33119694 1.11308929 0.5660959 1.29638675 3.35742187
 -2.57226046
 4.18397457 -2.91791188 -2.1184467 -1.23367239 1.2922263 2.63364117
 4.41558932 1.77116411 2.82665474 -2.74920746]
 Sample 1611: [0.26628254 1.13933417 0.60052213 1.17509529 3.27430795
 -2.63013409
 4.16099776 -2.96265248 -2.11487647 -1.23203644 1.23480005 2.63672873
 4.47195178 1.78561025 2.84404283 -2.79619095]
 Sample 1612: [0.27849589 1.09195544 0.56195234 1.20758434 3.33751789
 -2.62402116
 4.16163572 -2.94823426 -2.12203294 -1.17489371 1.29045951 2.54451963
 4.45202495 1.73376494 2.89504336 -2.80335295]
 Sample 1613: [0.31736786 1.18718463 0.60011035 1.32049573 3.40061633
 -2.64358281
 4.1827913 -2.93350252 -2.11265581 -1.11271001 1.33691596 2.53816828
 4.42665037 1.79569099 2.81662289 -2.84943836]
 Sample 1614: [0.32119916 1.06115106 0.57159613 1.3471972 3.64195216
 -2.64741961
 4.10176018 -2.95526922 -2.19676369 -1.15998345 1.19786108 2.51707669
 4.40702628 1.75552753 2.75284297 -2.8830796]

Sample 1615: [0.29453825 1.05828586 0.58781881 1.33226873 3.6338548
 -2.73031403
 4.03466956 -2.9037088 -2.20531919 -1.08005432 1.22181861 2.59497442
 4.47859979 1.72118441 2.72992925 -2.87558418]
 Sample 1616: [0.37310829 1.08173196 0.58018934 1.27892485 3.59917574
 -2.65149911
 3.97673632 -2.97079876 -2.17541863 -1.13668149 1.12488141 2.5374847
 4.44360847 1.67960199 2.78599969 -2.82646896]
 Sample 1617: [0.33274213 1.05731596 0.60828695 1.2696294 3.52493016
 -2.56693823
 4.00804793 -2.99757462 -2.14349046 -1.15218991 1.13392106 2.60203991
 4.47735367 1.67201313 2.75535633 -2.82547466]
 Sample 1618: [0.25710382 1.04312548 0.57695104 1.27399399 3.58523747
 -2.66523072
 3.94472071 -2.98173647 -2.06516095 -1.23178285 1.11619952 2.64548974
 4.51504002 1.68026045 2.68284785 -2.82230547]
 Sample 1619: [0.25245551 1.14771586 0.58630325 1.30003623 3.62931265
 -2.67153823
 3.98990749 -2.93946252 -1.99650945 -1.36568733 1.14703203 2.67155777
 4.54296703 1.63596508 2.63013607 -2.76479467]
 Sample 1620: [0.1657382 1.00152359 0.55937436 1.33029642 3.63615086
 -2.68044945
 3.93009637 -2.91859 -2.02789831 -1.33304906 1.13972606 2.75430025
 4.542973 1.60214465 2.54790988 -2.82994432]
 Sample 1621: [0.06429119 1.11130939 0.57281089 1.29398249 3.64828173
 -2.62870602
 3.88366133 -2.88361723 -2.04863432 -1.37261074 1.12075908 2.76123918
 4.49127511 1.54663288 2.55023585 -2.85331706]
 Sample 1622: [0.13219141 1.06467729 0.56412089 1.24223387 3.57943551
 -2.52231406
 3.95857908 -2.90213999 -2.06104208 -1.37407445 1.15951576 2.71933214
 4.46160728 1.47084682 2.444858 -2.86733743]
 Sample 1623: [0.19968828 1.08770888 0.56612906 1.33364277 3.55283346
 -2.51726107
 3.86675799 -2.89036074 -2.08811139 -1.41525915 1.14551384 2.78480874
 4.44668811 1.50741321 2.33102714 -2.87698531]
 Sample 1624: [0.29671924 1.02115601 0.57118167 1.33537476 3.62915797
 -2.51298518
 3.88446252 -2.90189793 -2.09332375 -1.40388844 1.09133523 2.84683254
 4.41098703 1.44869911 2.26114612 -2.84167752]
 Sample 1625: [0.29692346 1.02676369 0.57934514 1.32771116 3.60737392
 -2.50553944
 3.89020754 -2.89878244 -2.15509123 -1.41363677 1.1403169 2.89804101
 4.49796997 1.43090759 2.20078852 -2.79613575]
 Sample 1626: [0.25215073 1.04718188 0.56749744 1.21055629 3.61806186
 -2.45572228
 3.88683765 -2.89131578 -2.09290411 -1.45616714 1.20359723 2.885888
 4.46571078 1.47775959 2.21228636 -2.7759226]

Sample 1627: [0.22617441 1.05656797 0.57841442 1.15995477 3.5464731
 -2.44028962
 3.88851231 -2.93396322 -2.03522745 -1.43014299 1.24969134 2.84148637
 4.49712779 1.47286703 2.26417379 -2.78196995]
 Sample 1628: [0.24665594 1.06338153 0.58536196 1.17619789 3.51199495
 -2.58741628
 3.92634135 -2.97410361 -1.9804551 -1.49486162 1.27790461 2.93088388
 4.3958844 1.50377173 2.26327447 -2.8134251]
 Sample 1629: [0.28412199 1.07322455 0.58728332 1.1512812 3.53541971
 -2.47911696
 3.87208623 -2.99781965 -1.89783687 -1.44573073 1.26738673 2.87460679
 4.37639115 1.53775275 2.24544504 -2.79769549]
 Sample 1630: [0.34338918 1.04934975 0.61263363 1.16397069 3.48693094
 -2.45487648
 3.8430595 -2.99307862 -1.78774091 -1.49077107 1.2061667 2.92445918
 4.38961364 1.59406748 2.24159401 -2.81109497]
 Sample 1631: [0.33458332 1.03924345 0.57868927 1.17334942 3.4610262
 -2.48230613
 3.84564438 -2.94875293 -1.77425747 -1.45747758 1.07577574 2.89494004
 4.32831749 1.65250812 2.28648358 -2.81425149]
 Sample 1632: [0.35503677 1.03736127 0.57798162 1.14603721 3.56621489
 -2.46251256
 3.83951662 -2.86205728 -1.8203448 -1.44466183 0.9642413 2.86705696
 4.41107857 1.60694581 2.27113391 -2.86596548]
 Sample 1633: [0.29649386 1.00186438 0.54732683 1.22525378 3.58121867
 -2.43817436
 3.89295662 -2.82082426 -1.83733809 -1.33967267 0.94359238 2.90573282
 4.43561098 1.52326584 2.27907248 -2.91042075]
 Sample 1634: [0.33466818 1.05101745 0.56477691 1.23292372 3.63551878
 -2.36205941
 3.87011335 -2.78825581 -1.77772278 -1.28525484 1.02227734 3.00480631
 4.45312793 1.5870257 2.29412355 -2.99547332]
 Sample 1635: [0.32359889 0.96244116 0.54358168 1.2762866 3.75478665
 -2.46186421
 3.85529042 -2.78600034 -1.77740829 -1.28953522 1.05877274 2.94709372
 4.46550769 1.64927687 2.30878855 -2.99983907]
 Sample 1636: [0.32520446 1.03529702 0.55366964 1.28018724 3.73096353
 -2.43897584
 3.76043445 -2.72650679 -1.79839396 -1.24647913 1.02267718 2.9119436
 4.4981765 1.61009546 2.30726016 -3.06204151]
 Sample 1637: [0.30826235 1.01995883 0.52484718 1.30959037 3.58079229
 -2.52658058
 3.75440224 -2.70530684 -1.77496316 -1.14939329 1.06280418 2.85999457
 4.36866979 1.58119235 2.25968634 -3.01267876]
 Sample 1638: [0.30076211 1.02164753 0.54943023 1.23103813 3.6442574
 -2.51559997
 3.82882225 -2.72694847 -1.76649498 -1.09538659 1.08354117 2.86358973
 4.35436553 1.57284109 2.28576193 -3.04538643]

Sample 1639: [0.32705589 1.08238488 0.50882147 1.11140037 3.6236561
 -2.56761142
 3.83045854 -2.63336399 -1.77911187 -1.10197067 1.05403425 2.82131192
 4.34235204 1.50938668 2.35095983 -3.12921408]
 Sample 1640: [0.36490465 0.97701403 0.51451997 1.17433542 3.58189413
 -2.57347987
 3.86268883 -2.52029862 -1.79100919 -1.11437544 0.9439319 2.86013863
 4.34466752 1.5625365 2.34862527 -3.08186458]
 Sample 1641: [0.38656731 1.03861661 0.49707121 1.19436277 3.59945149
 -2.61366095
 3.85334577 -2.57915939 -1.67982854 -1.1043883 0.95568464 2.760038
 4.29009802 1.51829084 2.31140675 -3.11534148]
 Sample 1642: [0.38293972 1.03567621 0.52877558 1.25404106 3.5705408
 -2.66833236
 3.86314178 -2.58256205 -1.66825545 -1.2465518 1.02926828 2.73937501
 4.31930423 1.48642383 2.32111734 -3.14683563]
 Sample 1643: [0.48527481 1.01370056 0.50668702 1.21886396 3.54963091
 -2.7235148
 3.87659957 -2.61651564 -1.74760736 -1.23347156 0.95777463 2.74090116
 4.36639679 1.47060733 2.31218364 -3.17660734]
 Sample 1644: [0.54632206 0.97027849 0.49659172 1.12917412 3.61244149
 -2.6644563
 3.8318744 -2.5599366 -1.82257347 -1.24913297 0.95194771 2.77372956
 4.36393641 1.49529069 2.29127838 -3.10036211]
 Sample 1645: [0.55323052 0.9616391 0.44812824 1.12377567 3.65998331
 -2.59576334
 3.72670167 -2.67485136 -1.79950565 -1.29336812 1.04420056 2.76625846
 4.38162889 1.53862342 2.30907823 -3.13052424]
 Sample 1646: [0.53194127 1.01647321 0.53209117 1.0759084 3.67808233
 -2.63563821
 3.7552608 -2.66877601 -1.81489455 -1.25341392 1.05660661 2.81838225
 4.35862359 1.55131828 2.2209136 -3.17745674]
 Sample 1647: [0.4380671 1.01236463 0.50988933 1.02435344 3.64561216
 -2.6658339
 3.79973288 -2.6628178 -1.80845071 -1.22695325 1.06084173 2.85836594
 4.32089929 1.61217959 2.34218689 -3.22363134]
 Sample 1648: [0.43871312 0.98132284 0.53700794 0.99849316 3.63784011
 -2.62329029
 3.73829132 -2.63402315 -1.78196572 -1.14990893 0.97071396 2.84639136
 4.32088213 1.57913636 2.28698024 -3.16241401]
 Sample 1649: [0.4143524 0.98483344 0.51432366 0.95624181 3.65029122
 -2.58253293
 3.73905396 -2.65185969 -1.73398732 -1.24998857 1.00708826 2.82216121
 4.41334512 1.59670393 2.30139105 -3.17304245]
 Sample 1650: [0.38613519 1.0715771 0.53921919 0.98418862 3.68703068
 -2.62820884
 3.6278914 -2.63451435 -1.84625815 -1.28162061 0.98801357 2.89038305
 4.38017315 1.62259284 2.21141377 -3.10362028]

Sample 1651: [0.42610348 0.97593376 0.51310291 0.98243395 3.67263002
 -2.6149318
 3.7211431 -2.63316948 -1.8536294 -1.34405305 1.04399402 2.89848524
 4.42665726 1.59699356 2.17702163 -3.09996303]
 Sample 1652: [0.42825472 0.99110584 0.49719416 1.04890805 3.60409193
 -2.59648827
 3.77300326 -2.48067734 -1.8877264 -1.32061136 1.07597535 2.88674964
 4.32390442 1.66754465 2.17090678 -3.14731297]
 Sample 1653: [0.48270356 0.96597347 0.45341504 1.09716745 3.65618835
 -2.56063023
 3.74311684 -2.43872545 -1.91908846 -1.36612176 1.05845679 2.94057099
 4.323347 1.68340806 2.14791578 -3.10861266]
 Sample 1654: [0.49716641 1.03273892 0.4660355 1.21439417 3.68234781
 -2.54879441
 3.75917556 -2.37036843 -1.82860012 -1.38049334 1.03634423 2.94557954
 4.28265288 1.70759551 2.17340985 -3.13744101]
 Sample 1655: [0.39416545 0.97856865 0.4505288 1.30727475 3.62826916
 -2.52200781
 3.77717376 -2.37047596 -1.77223828 -1.33004816 1.00006569 2.88797484
 4.2873724 1.6600718 2.2244353 -3.13644065]
 Sample 1656: [0.43130036 1.02886156 0.48888179 1.30789708 3.56977319
 -2.56273264
 3.74996666 -2.33779285 -1.82664125 -1.35251006 1.06026272 2.97354906
 4.33543764 1.58113108 2.1296285 -3.20496757]
 Sample 1657: [0.42771752 1.07292291 0.4237534 1.31056156 3.60468333
 -2.71695071
 3.77521668 -2.31820223 -1.76034641 -1.3563252 0.87903531 2.98456497
 4.36186853 1.53320819 2.18750437 -3.21259639]
 Sample 1658: [0.44187368 1.0388478 0.47540378 1.33241488 3.5314794
 -2.67948047
 3.82045136 -2.22986165 -1.82989907 -1.3291017 0.86016669 3.0716982
 4.40498269 1.64551196 2.22824306 -3.25702382]
 Sample 1659: [0.50138564 1.04659026 0.40241256 1.37648842 3.59918928
 -2.72293957
 3.83974176 -2.21503164 -1.74185294 -1.35010915 0.99669702 3.03378856
 4.45029723 1.58153904 2.33407077 -3.27508802]
 Sample 1660: [0.50335615 1.0046916 0.42953113 1.34167988 3.60606299
 -2.62670367
 3.89339041 -2.18623396 -1.71725412 -1.37164693 1.02751854 3.07324823
 4.45499791 1.68157993 2.37279287 -3.30919262]
 Sample 1661: [0.40549397 1.04831052 0.45192253 1.24187066 3.65863223
 -2.68646302
 3.88577053 -2.23474193 -1.75364839 -1.43428358 1.05376962 3.12203672
 4.41874525 1.69173513 2.34006892 -3.20561046]
 Sample 1662: [0.35181558 1.05150652 0.44407694 1.10946718 3.71522588
 -2.71311041
 3.84843522 -2.23645971 -1.70499985 -1.45359672 1.05781551 3.10387514
 4.44892146 1.67546266 2.32061071 -3.20251201]

Sample 1663: [0.4241087 1.05460945 0.45217191 1.25397046 3.71333463
 -2.68369076
 3.87774933 -2.24248052 -1.64755015 -1.40633957 1.05258063 3.16579727
 4.34651244 1.68705589 2.28641216 -3.11649102]
 Sample 1664: [0.36376698 1.05975617 0.45423186 1.18050286 3.70790435
 -2.69873046
 3.85635805 -2.26013639 -1.64965956 -1.48167753 1.00932573 3.2010102
 4.34974642 1.68149614 2.38916178 -3.1416356]
 Sample 1665: [0.33922316 0.99027101 0.43919556 1.30926799 3.70884611
 -2.68419837
 3.85289282 -2.26373169 -1.63855549 -1.47523546 1.01495868 3.14180723
 4.40315865 1.70462329 2.41838651 -3.05770163]
 Sample 1666: [0.2719585 1.02704388 0.4476472 1.33220295 3.68595434
 -2.62232534
 3.75093086 -2.25677434 -1.67429744 -1.54335137 0.99693044 3.21569107
 4.32066952 1.74175848 2.49827117 -3.06450114]
 Sample 1667: [0.30663249 1.06472998 0.45570826 1.34788775 3.69272091
 -2.58121103
 3.77884769 -2.34723645 -1.74860261 -1.63115473 0.95715132 3.22302803
 4.26577022 1.79604854 2.49133862 -3.12983333]
 Sample 1668: [0.25525036 0.97223062 0.45929207 1.37485843 3.68002913
 -2.57555613
 3.70136061 -2.32881796 -1.74389921 -1.58212841 0.97136637 3.25539125
 4.20768436 1.7749328 2.49560665 -3.0584108]
 Sample 1669: [0.35619811 0.99176069 0.46798817 1.35528672 3.75508941
 -2.5409796
 3.62094313 -2.38551519 -1.73247113 -1.57574967 0.96828206 3.25992211
 4.25773557 1.72913851 2.63214557 -3.06812621]
 Sample 1670: [0.32672162 0.96637357 0.46347432 1.31296071 3.81063241
 -2.4902484
 3.65849985 -2.31325232 -1.65359814 -1.55843544 0.9953077 3.32178048
 4.23638756 1.75238191 2.60094594 -3.12006029]
 Sample 1671: [0.47750415 1.00359768 0.44612342 1.2911092 3.73413513
 -2.50415914
 3.58462201 -2.35318287 -1.66867564 -1.57717642 0.99437054 3.34069539
 4.14889183 1.78352495 2.61965452 -3.08091034]
 Sample 1672: [0.46759658 1.02937895 0.43441445 1.27980086 3.66513135
 -2.47841091
 3.56475989 -2.36362266 -1.76645955 -1.5005 1.01691869 3.43688193
 4.14045993 1.84447429 2.65738378 -3.14830454]
 Sample 1673: [0.50794684 0.94488762 0.4522022 1.32455411 3.75502517
 -2.4882014
 3.54425593 -2.27248738 -1.78637293 -1.42334953 0.98647346 3.51299291
 4.14199473 1.95080416 2.60237783 -3.20715248]
 Sample 1674: [0.43491831 1.01888233 0.40762444 1.2603382 3.68692495
 -2.39791411
 3.58124137 -2.2590016 -1.82446222 -1.41289527 0.99322153 3.56359343
 4.17495885 1.88117031 2.63335352 -3.2645168]

Sample 1675: [0.46510442 0.95378843 0.41784431 1.22102993 3.67748139
 -2.35830238
 3.52823905 -2.14305446 -1.7830965 -1.43995194 0.9947346 3.48363257
 4.17420458 1.84256975 2.62288886 -3.30781341]
 Sample 1676: [0.42721718 0.99733998 0.38749352 1.20731396 3.7196805
 -2.33437876
 3.51337213 -2.14003162 -1.71603605 -1.53931639 1.00756417 3.40791262
 4.11798762 1.80780456 2.63941351 -3.29451701]
 Sample 1677: [0.53941345 0.97308968 0.40054819 1.2215938 3.75031394
 -2.3203045
 3.55804337 -2.12249144 -1.72606993 -1.55588541 1.08319618 3.45512083
 4.11735184 1.89496813 2.69889665 -3.27652892]
 Sample 1678: [0.62764098 1.00705007 0.38300594 1.20773322 3.69013901
 -2.35397477
 3.63229787 -2.17552161 -1.72466903 -1.53080152 1.109887 3.44066205
 4.10712845 1.88169334 2.79191735 -3.33573562]
 Sample 1679: [0.60673024 0.99704875 0.40969989 1.18035474 3.69269177
 -2.38800196
 3.65703949 -2.09495629 -1.73137006 -1.57977201 1.04278904 3.37535309
 4.09367027 1.83840119 2.78417539 -3.3797997]
 Sample 1680: [0.57141503 0.94867475 0.34779356 1.24905039 3.67814326
 -2.40021669
 3.64336968 -2.06821486 -1.71489151 -1.53393661 1.10126043 3.34768844
 4.20457925 1.83608861 2.79026324 -3.31612699]
 Sample 1681: [0.54229861 0.95127794 0.37133349 1.30495704 3.6791084
 -2.35561897
 3.52800806 -2.00806549 -1.72303796 -1.52820561 1.17287276 3.33316065
 4.1297704 1.86452752 2.7555314 -3.32456672]
 Sample 1682: [0.53463537 0.96440637 0.35020088 1.34604158 3.68578666
 -2.36917554
 3.47657537 -2.05920686 -1.71002619 -1.50111011 1.1778915 3.2420457
 4.05618659 1.88991289 2.81098336 -3.30761926]
 Sample 1683: [0.51315814 0.9928818 0.39551929 1.31440137 3.62597306
 -2.30231038
 3.50894794 -1.99204901 -1.68654526 -1.43305641 1.17089339 3.27043966
 4.00791681 1.90325325 2.7992869 -3.31826559]
 Sample 1684: [0.33161141 1.00203247 0.3818006 1.33437191 3.63571209
 -2.36826696
 3.50890755 -2.04486948 -1.66140414 -1.50013691 1.03471204 3.28865019
 4.05166916 1.90731417 2.75201296 -3.33617613]
 Sample 1685: [0.34536429 0.93517577 0.41366993 1.34826071 3.69835816
 -2.32417071
 3.63574982 -2.00829694 -1.64338253 -1.56830139 1.01895803 3.26237616
 3.98335551 1.93529224 2.78536671 -3.37063515]
 Sample 1686: [0.38316659 0.96133456 0.37494969 1.38915455 3.85586015
 -2.26555084
 3.61593514 -1.98447053 -1.60952276 -1.51937806 1.02981261 3.33653436
 4.02986093 1.95040333 2.80525689 -3.38723103]

Sample 1687: [0.32412074 0.95193046 0.39952741 1.46640707 3.95348757
 -2.18847829
 3.63681871 -1.94063316 -1.60370572 -1.50368806 1.01705293 3.23817036
 4.04440708 1.9013285 2.82280455 -3.42384384]
 Sample 1688: [0.38925511 0.96411539 0.36081138 1.45826823 3.89398792
 -2.17668094
 3.64928995 -1.93088861 -1.61238363 -1.6139519 1.04753469 3.28231208
 4.09001183 1.91781231 2.85324849 -3.38825392]
 Sample 1689: [0.4405778 1.0432078 0.40433293 1.35872865 3.92092615
 -2.17770468
 3.59660511 -1.9873189 -1.60609478 -1.5784264 1.06137952 3.23119391
 4.06396237 1.97947888 2.86095125 -3.37486721]
 Sample 1690: [0.48759506 0.95295806 0.32568019 1.39865971 3.89031807
 -2.14803502
 3.60408268 -1.93271974 -1.67577042 -1.57097747 1.14248213 3.24001174
 4.1249562 1.86872755 2.81906784 -3.34356976]
 Sample 1691: [0.48011802 0.988385 0.33594416 1.40419966 3.96247442
 -2.10399518
 3.58194621 -1.91327393 -1.62437239 -1.60298099 1.25503492 3.18543831
 4.07278088 1.88390521 2.77853024 -3.32774328]
 Sample 1692: [0.55698211 0.91733624 0.33997927 1.4262921 4.0188458
 -2.1751892
 3.58192768 -1.97260271 -1.52384962 -1.76248789 1.31375559 3.17124855
 4.05725535 1.93222919 2.721901 -3.35175525]
 Sample 1693: [0.51437495 0.96820979 0.34981809 1.44089816 3.95838267
 -2.20341942
 3.48785362 -1.97234025 -1.4902926 -1.71665338 1.36056488 3.14082784
 4.17165866 1.88576323 2.69153381 -3.30436409]
 Sample 1694: [0.52765538 0.91561627 0.33636145 1.48940706 4.01753971
 -2.26258382
 3.55660245 -1.97203663 -1.43173714 -1.65044236 1.37788078 3.19046912
 4.11656531 1.89389649 2.7500847 -3.33016477]
 Sample 1695: [0.54263514 1.0060974 0.35047056 1.59541858 3.99925751
 -2.29791029
 3.66923278 -2.04663699 -1.46112805 -1.66833482 1.29263628 3.13920333
 4.13516728 1.94353313 2.76212617 -3.34803565]
 Sample 1696: [0.54636738 0.93584023 0.36866308 1.5896912 3.99788764
 -2.24073469
 3.66304136 -2.08652613 -1.48855343 -1.63861244 1.33657228 3.12200079
 4.17469851 1.98608367 2.73443407 -3.32288123]
 Sample 1697: [0.54458785 0.94324148 0.35027022 1.63050354 3.96144372
 -2.19920616
 3.65665145 -2.08373117 -1.43580983 -1.53342331 1.35417391 3.15370739
 4.15852601 2.00409707 2.74970835 -3.2826686]
 Sample 1698: [0.57409417 1.05936274 0.36783726 1.65235814 4.07218009
 -2.21669247
 3.71424334 -2.06553304 -1.49943027 -1.54380402 1.42141838 3.23750302
 4.24816585 2.04744568 2.67197448 -3.31098725]

Sample 1699: [0.50720925 0.95459346 0.32673366 1.65573294 4.04707065
 -2.24267457
 3.61445742 -2.11877104 -1.512902 -1.54117936 1.48646063 3.24795192
 4.31607072 1.94319547 2.6600192 -3.32757721]
 Sample 1700: [0.54268711 0.962669 0.37100419 1.57099304 3.94391457
 -2.27778015
 3.59810826 -2.1521607 -1.59775999 -1.49601479 1.52871375 3.24266104
 4.26619751 1.95097067 2.63728696 -3.36112244]
 Sample 1701: [0.53397436 0.95561369 0.35837885 1.53657841 4.02475339
 -2.24356431
 3.60056011 -2.17154722 -1.57558887 -1.60734476 1.39879475 3.21841332
 4.21177159 1.93095319 2.591603 -3.34456643]
 Sample 1702: [0.47453412 0.93358584 0.36922542 1.6494578 4.06696086
 -2.19640503
 3.52955364 -2.12345571 -1.4901763 -1.64213777 1.36656099 3.2178249
 4.20565629 1.96702582 2.58412902 -3.32805626]
 Sample 1703: [0.49243362 0.94000406 0.3732937 1.71023652 4.17453705
 -2.15980983
 3.56126765 -2.13350257 -1.49584724 -1.63763098 1.42252336 3.22226877
 4.17415086 1.94329709 2.64079002 -3.37404855]
 Sample 1704: [0.4959517 0.93482718 0.36099039 1.66656638 4.09953095
 -2.11385722
 3.60265324 -2.08287598 -1.49045539 -1.58062785 1.48958431 3.24255358
 4.10335246 1.9835153 2.68921583 -3.39667048]
 Sample 1705: [0.47430696 0.92880662 0.34971002 1.62927667 4.03170007
 -2.12650035
 3.63824637 -2.15352863 -1.49511769 -1.65408792 1.5433304 3.17702506
 4.1164562 1.97814065 2.66131771 -3.384484]
 Sample 1706: [0.51882393 0.9366432 0.389746 1.65965146 4.12776986
 -2.18028771
 3.6130181 -2.20621078 -1.42709848 -1.73521943 1.4716501 3.14729658
 4.13388816 1.97164191 2.62761438 -3.36067608]
 Sample 1707: [0.49967031 1.07281878 0.38297091 1.59815794 4.10508277
 -2.25145971
 3.56782351 -2.20321502 -1.50277426 -1.69906135 1.45636676 3.16469166
 4.07761442 1.98872101 2.58332986 -3.35166197]
 Sample 1708: [0.52780771 0.9887973 0.41457537 1.63914296 4.11647309
 -2.2580999
 3.59064036 -2.22385761 -1.55565132 -1.71489128 1.47674216 3.22723813
 4.0995252 2.08690402 2.57320534 -3.38197935]
 Sample 1709: [0.49660431 0.96292656 0.39161825 1.66394585 4.11899632
 -2.19776147
 3.60044221 -2.34559431 -1.61116973 -1.70757122 1.46231154 3.12402153
 4.1177453 2.06808356 2.55831032 -3.36957248]
 Sample 1710: [0.54285018 0.97398059 0.41844311 1.73898738 4.07929827
 -2.2443491
 3.64459819 -2.30875164 -1.47978451 -1.7389556 1.51370684 3.16576778
 4.11576503 2.00225982 2.52020163 -3.35954206]

Sample 1711: [0.53316972 0.93170998 0.3975449 1.84943331 4.03369926
 -2.27846313
 3.66516111 -2.34842337 -1.51242047 -1.75747126 1.55115254 3.17909079
 4.1119888 1.95934302 2.45336798 -3.35564561]
 Sample 1712: [0.56193118 0.9671235 0.42193203 1.84591759 4.03829034
 -2.25330433
 3.69691499 -2.34730469 -1.47423951 -1.78437078 1.56294693 3.14192236
 4.14415712 1.91967373 2.51983209 -3.39735952]
 Sample 1713: [0.49781791 0.9983761 0.41017631 1.84451485 4.12952554
 -2.20294532
 3.70004941 -2.31374482 -1.49892144 -1.866449 1.5277341 3.14068412
 4.03207157 2.04058567 2.55655246 -3.46864417]
 Sample 1714: [0.51441329 0.96601685 0.39647343 1.94160665 4.2296248
 -2.34811858
 3.71466151 -2.29708945 -1.55341232 -1.85519968 1.58952445 3.17912947
 4.06765442 1.96984584 2.52308592 -3.48500257]
 Sample 1715: [0.47226724 0.98491244 0.42054287 1.8962222 4.19169649
 -2.33989088
 3.73773025 -2.25014893 -1.58550836 -1.82055072 1.60325206 3.17332701
 4.01357003 1.97700941 2.50267241 -3.5019813]
 Sample 1716: [0.47639832 0.97848773 0.35428914 1.88884805 4.18569207
 -2.31677268
 3.70195987 -2.18687866 -1.54207427 -1.81766995 1.62635948 3.2003799
 4.12260295 1.94703651 2.45915428 -3.51639772]
 Sample 1717: [0.47650393 1.00090734 0.37705331 1.97233661 4.19412805
 -2.38430336
 3.75299365 -2.20066004 -1.44027073 -1.81969128 1.65232599 3.20868476
 4.17359231 1.89324823 2.45773256 -3.46750857]
 Sample 1718: [0.57205458 0.92189739 0.36562201 1.93167045 4.14364751
 -2.41728656
 3.77448545 -2.23402422 -1.45116188 -1.82016321 1.6290488 3.15141794
 4.29507427 1.94917238 2.46794071 -3.45068046]
 Sample 1719: [0.57018856 1.01625772 0.38232016 2.02589986 4.14993283
 -2.4417264
 3.68991137 -2.27667394 -1.51356666 -1.75191073 1.64061028 3.11748586
 4.39913285 1.90938874 2.38732906 -3.4296524]
 Sample 1720: [0.62821135 0.96928965 0.39112105 1.9779406 4.19159341
 -2.43871235
 3.64888999 -2.27355345 -1.43680116 -1.69616221 1.73759337 3.11996697
 4.29008976 1.91810479 2.34853047 -3.43700185]
 Sample 1721: [0.55768943 0.91989506 0.37405655 1.99731978 4.21038353
 -2.46964937
 3.63135859 -2.25124289 -1.55787459 -1.66486763 1.65361101 3.1452366
 4.34829292 1.92101543 2.24659938 -3.52027336]
 Sample 1722: [0.54058028 0.9183595 0.3432459 1.94488534 4.11035889
 -2.42712301
 3.61577042 -2.14913852 -1.62362534 -1.65683482 1.65728249 3.14865309
 4.4266075 2.02070309 2.21116312 -3.50095868]

Sample 1723: [0.5457357 0.99743052 0.35735869 2.0639026 4.1681174
 -2.46377606
 3.51541208 -2.19805073 -1.56784261 -1.67847526 1.73039511 3.14441455
 4.48815499 2.00388116 2.14632751 -3.56776715]
 Sample 1724: [0.53255768 0.89430171 0.37023831 2.05582845 4.11779187
 -2.41836838
 3.56574302 -2.21746003 -1.54236733 -1.67317168 1.68525942 3.15617326
 4.35078344 2.09373797 2.14757845 -3.54272535]
 Sample 1725: [0.56888658 0.99459302 0.38155561 2.03371685 4.11535662
 -2.37991238
 3.54710438 -2.27501123 -1.56114937 -1.69647663 1.68879457 3.08655071
 4.31243209 2.12883035 2.08263379 -3.58254593]
 Sample 1726: [0.54977177 0.92108048 0.40541574 2.02262555 4.12534214
 -2.45410998
 3.4998312 -2.31787546 -1.45687597 -1.59615198 1.6899109 3.10063389
 4.25891313 2.02702524 2.08192296 -3.56937744]
 Sample 1727: [0.5291211 0.91836543 0.40034485 2.04193746 4.05539571
 -2.51178394
 3.48233179 -2.32244099 -1.44312826 -1.65491851 1.6599508 3.0584816
 4.30536929 2.08024832 2.12162561 -3.55034204]
 Sample 1728: [0.58392629 0.94491877 0.40691668 1.96339607 4.01971632
 -2.49237673
 3.52860211 -2.38235163 -1.44559872 -1.65768162 1.6010487 3.06316157
 4.36405064 2.14576458 2.1189318 -3.50394374]
 Sample 1729: [0.56736284 0.8758521 0.4384031 1.98183536 4.06734828
 -2.59450089
 3.51097349 -2.43029254 -1.44147083 -1.69487106 1.58817644 3.08190673
 4.29449767 2.10710114 2.07008386 -3.53261824]
 Sample 1730: [0.58912468 0.88968569 0.44885068 1.97504013 4.11299765
 -2.57155875
 3.441559 -2.51300148 -1.47961354 -1.65239022 1.65164901 2.98109966
 4.43636378 2.15948505 2.10376008 -3.46013071]
 Sample 1731: [0.71046729 0.89776696 0.43501831 1.94638493 4.19417055
 -2.61381249
 3.36055962 -2.51661594 -1.5188654 -1.68892627 1.67518517 2.91113663
 4.47278433 2.1981073 2.07646835 -3.50548469]
 Sample 1732: [0.67290994 0.83073956 0.46634666 1.92268791 4.19180962
 -2.65385488
 3.27035634 -2.54469986 -1.52370055 -1.66493274 1.69026662 2.85071225
 4.48437614 2.18043421 2.08594103 -3.46889759]
 Sample 1733: [0.67204555 0.87759573 0.42699463 1.95827634 4.19463741
 -2.72006714
 3.27107049 -2.53744566 -1.614318 -1.65713891 1.68320441 2.77737311
 4.41432645 2.10440115 1.97178277 -3.5334771]
 Sample 1734: [0.70125903 0.88526908 0.46912395 1.98221164 4.15288809
 -2.74885139
 3.33391049 -2.5528165 -1.68709884 -1.60009535 1.70813155 2.74016024
 4.47301409 2.12367688 1.94624622 -3.46038152]

Sample 1735: [0.67031184 0.85125397 0.42243424 2.03712282 4.18102038
 -2.75503017
 3.26247593 -2.56345821 -1.7850129 -1.62491775 1.6222594 2.70455695
 4.4489042 2.17963781 1.98581227 -3.35649443]
 Sample 1736: [0.66409676 0.90562246 0.46920156 2.02330041 4.10726865
 -2.70898365
 3.2955573 -2.55942067 -1.80784209 -1.65298439 1.5664429 2.66559138
 4.48264293 2.21841581 2.00492054 -3.29735073]
 Sample 1737: [0.75777004 0.80867602 0.46368172 1.99320803 4.12752166
 -2.71521541
 3.29695879 -2.63171684 -1.86511828 -1.62785267 1.47904086 2.70443966
 4.44184328 2.21251095 1.97851882 -3.30088995]
 Sample 1738: [0.80291349 0.86120881 0.50755275 2.00218481 4.1890402
 -2.72668108
 3.3481758 -2.6141285 -1.84745293 -1.57760076 1.49694524 2.76726299
 4.44855946 2.18032117 2.01367117 -3.34844278]
 Sample 1739: [0.72669773 0.88090601 0.47124982 1.8989536 4.19866435
 -2.68295547
 3.30478315 -2.62391468 -1.81209523 -1.57585861 1.48293003 2.81567251
 4.4856996 2.19252619 2.04127484 -3.31786848]
 Sample 1740: [0.73303127 0.86027892 0.48797597 1.84382579 4.184515
 -2.75006827
 3.35081054 -2.67003439 -1.85365695 -1.48442965 1.46251716 2.73483873
 4.51600066 2.21175377 2.10530423 -3.31054408]
 Sample 1741: [0.63472944 0.83752847 0.45762148 1.79357046 4.16045163
 -2.80724472
 3.34993841 -2.69779941 -1.76983156 -1.50334228 1.54665121 2.70042773
 4.47771297 2.2830656 2.10462792 -3.3109188]
 Sample 1742: [0.66594621 0.882997 0.49209916 1.84564675 4.16798199
 -2.73150725
 3.37288613 -2.73422351 -1.75184694 -1.48612699 1.54915863 2.70302816
 4.43830431 2.1989087 2.1020997 -3.39617743]
 Sample 1743: [0.70126048 0.88799581 0.46697253 1.86730064 4.22278129
 -2.73901437
 3.44527838 -2.60421238 -1.77221549 -1.4418023 1.53357452 2.73020436
 4.41550003 2.31681181 2.07827962 -3.4448035]
 Sample 1744: [0.67733748 0.91531838 0.48514371 1.89074569 4.17486537
 -2.72633776
 3.48709924 -2.65475391 -1.82135156 -1.45665585 1.50344717 2.77104756
 4.39592183 2.32320866 2.18672708 -3.44770269]
 Sample 1745: [0.67034116 0.91014827 0.48246758 1.95237381 4.14075468
 -2.74798679
 3.48102091 -2.69755059 -1.78702507 -1.47910993 1.4859295 2.81064774
 4.35273715 2.32692938 2.15479208 -3.52428608]
 Sample 1746: [0.73817934 0.86021523 0.50382693 1.92501878 4.09163705
 -2.79056127
 3.42897101 -2.7143736 -1.84008041 -1.50895479 1.44866966 2.87942665
 4.37395488 2.33200512 2.18549272 -3.52703505]

Sample 1747: [0.60781275 0.8992441 0.47999526 1.90197561 4.09289972
 -2.86819561
 3.38448033 -2.71122847 -1.89342953 -1.49696854 1.51516801 2.9708304
 4.33980856 2.39570848 2.11062951 -3.48478849]
 Sample 1748: [0.65834625 0.9018931 0.50803986 1.90906168 4.14692956
 -2.86351805
 3.38669737 -2.70140481 -1.85433308 -1.4893563 1.44533482 2.96886444
 4.39193135 2.3226906 2.03986494 -3.62283757]
 Sample 1749: [0.71543402 0.87569968 0.4691991 1.97356309 4.18586543
 -2.82940186
 3.34249295 -2.66735818 -1.85435075 -1.53045432 1.44144836 3.00039018
 4.37487039 2.4001829 2.06329733 -3.63542887]
 Sample 1750: [0.62841022 0.85264508 0.49750201 2.04463828 4.1327957
 -2.84140417
 3.35399781 -2.6524035 -1.80523562 -1.50894093 1.51749643 3.00283763
 4.39091526 2.38665044 2.08633089 -3.57651866]
 Sample 1751: [0.63691285 0.87206524 0.47368552 1.94492477 4.0499182
 -2.82591106
 3.35141909 -2.72075406 -1.79711204 -1.5061205 1.51795103 3.05356128
 4.51099392 2.33165534 2.00399546 -3.58225036]
 Sample 1752: [0.59758444 0.86608583 0.53061022 1.93226538 4.03710643
 -2.78245379
 3.38126637 -2.78354461 -1.76131331 -1.51838167 1.52007913 3.09775767
 4.50467273 2.27117284 2.01470606 -3.60332866]
 Sample 1753: [0.52095245 0.92592826 0.53947762 2.01011836 3.97003705
 -2.79943443
 3.34895346 -2.7805135 -1.79212198 -1.53347217 1.43574725 3.07436093
 4.51498084 2.32988035 2.04334784 -3.56977519]
 Sample 1754: [0.55237204 0.86296722 0.54776475 2.04942432 3.98550356
 -2.76467345
 3.34022053 -2.79839856 -1.80137646 -1.4705116 1.4120881 3.04945824
 4.45665961 2.27534247 1.98605609 -3.54519666]
 Sample 1755: [0.47193204 0.89466265 0.53852296 2.06918498 4.0580322
 -2.85637134
 3.34187543 -2.70373194 -1.66639822 -1.5256417 1.41063747 2.98427057
 4.49038706 2.16178318 2.00109084 -3.59010738]
 Sample 1756: [0.45775404 0.81778372 0.55300075 2.03637575 4.06845855
 -2.84928391
 3.30801112 -2.71492342 -1.57696643 -1.52571782 1.41356339 2.93885733
 4.45798396 2.21571953 2.00412348 -3.69873643]
 Sample 1757: [0.47887351 0.87548956 0.5499022 2.06192847 4.19691235
 -2.79040651
 3.25810629 -2.75782489 -1.52105977 -1.56616019 1.53163261 2.86425576
 4.38295109 2.19108002 2.00656415 -3.62940237]
 Sample 1758: [0.44927345 0.7709857 0.56921552 2.10291014 4.13366837
 -2.80838358
 3.25832817 -2.79007828 -1.51597806 -1.56355103 1.55215559 2.87056781
 4.40890801 2.18191251 2.03701954 -3.62749336]

Sample 1759: [0.50530434 0.88327628 0.57016458 2.05790626 4.25643869
 -2.83936033
 3.24902681 -2.83572977 -1.54849305 -1.52529537 1.56898762 2.86684285
 4.42282123 2.22175727 2.02391584 -3.53554152]
 Sample 1760: [0.48486063 0.78330536 0.56558195 2.07028329 4.23270305
 -2.81535015
 3.33764439 -2.83638512 -1.60991564 -1.55380144 1.62576873 2.79284948
 4.50662991 2.26534649 2.01712892 -3.48998604]
 Sample 1761: [0.4030143 0.88088039 0.58521555 2.14982871 4.22986928
 -2.76169093
 3.37471119 -2.82850769 -1.52318069 -1.48800489 1.57786696 2.76780248
 4.48644439 2.21631197 1.99387891 -3.5175613]
 Sample 1762: [0.39328704 0.78784951 0.55728394 2.18904448 4.25441889
 -2.74800182
 3.29058352 -2.78834431 -1.57263422 -1.46181995 1.69593745 2.78580087
 4.44353064 2.19076173 2.00996535 -3.54156147]
 Sample 1763: [0.37054043 0.86416895 0.58591551 2.18936872 4.29639469
 -2.66900217
 3.25632685 -2.90055568 -1.64005579 -1.44850768 1.70254342 2.76394192
 4.44475092 2.13498186 2.0082283 -3.60771341]
 Sample 1764: [0.4507848 0.79491193 0.5932516 2.1217575 4.18582202
 -2.68047518
 3.2753885 -2.88815088 -1.69375241 -1.36231419 1.70944079 2.70392938
 4.40576408 2.17220572 2.09251443 -3.54567751]
 Sample 1765: [0.47937346 0.78301935 0.57991164 2.20095934 4.15520053
 -2.7213235
 3.22188527 -2.90163244 -1.65486347 -1.40619907 1.62986516 2.62657753
 4.4406093 2.17119156 2.06456938 -3.54907825]
 Sample 1766: [0.40168616 0.82058566 0.61971599 2.17913251 4.14238102
 -2.74998305
 3.18549894 -3.00405153 -1.65419123 -1.32491257 1.61765624 2.50812738
 4.4226065 2.21151943 2.04333651 -3.50107985]
 Sample 1767: [0.41305857 0.83101404 0.59675895 2.11747717 4.0604722
 -2.68784425
 3.2165117 -3.01772061 -1.67520427 -1.36775006 1.6861079 2.50634721
 4.46850562 2.20619288 2.02762161 -3.50106429]
 Sample 1768: [0.37069257 0.78925289 0.63915971 2.02572545 4.04572015
 -2.57886394
 3.1963711 -3.06376081 -1.66221475 -1.44521489 1.71884869 2.51448308
 4.47649029 2.17654894 2.08510917 -3.57474456]
 Sample 1769: [0.35954507 0.8484117 0.59650094 2.06052497 4.09614703
 -2.53568083
 3.26527333 -3.0769183 -1.57968007 -1.42468749 1.77077552 2.55942175
 4.49882445 2.12929355 2.05684597 -3.53260033]
 Sample 1770: [0.37398842 0.8021533 0.63139626 2.16691895 3.98020287
 -2.58516867
 3.258291 -3.01325325 -1.59917682 -1.42307066 1.79338344 2.60843797
 4.46755379 2.18977777 2.10784116 -3.51203057]

Sample 1771: [0.34331658 0.85138721 0.58841544 2.18337261 3.95840177
 -2.60089323
 3.31001305 -2.9987005 -1.61460482 -1.44314583 1.8194359 2.59726832
 4.53330046 2.16864987 2.0640977 -3.5655155]
 Sample 1772: [0.38307502 0.8596997 0.62766122 2.20666626 3.88506978
 -2.62061678
 3.31031996 -3.07128229 -1.61716931 -1.44245829 1.87355111 2.61834002
 4.48422492 2.14615301 2.03164171 -3.55455891]
 Sample 1773: [0.38802604 0.82141011 0.62198906 2.18513483 3.8476317
 -2.62312265
 3.2276161 -3.02800357 -1.63835086 -1.51454854 1.84981954 2.71586363
 4.50883543 2.10337944 2.07285087 -3.55241223]
 Sample 1774: [0.39127896 0.79600352 0.60939125 2.18541325 3.895514
 -2.67406479
 3.12704987 -3.01220924 -1.68370584 -1.59373462 1.87007891 2.69230856
 4.43359174 2.21561225 2.1190887 -3.54581515]
 Sample 1775: [0.39644225 0.8744935 0.62030845 2.12277967 3.97413287
 -2.59650147
 3.09532393 -2.99398297 -1.65974953 -1.61559445 1.83324846 2.80571737
 4.43277055 2.20949606 2.03086197 -3.46331322]
 Sample 1776: [0.36052638 0.78430007 0.59297607 2.09143677 4.10353669
 -2.51888546
 3.09058324 -2.98926575 -1.63572104 -1.66876843 1.85140881 2.76778123
 4.39789435 2.25943805 1.97166087 -3.44105082]
 Sample 1777: [0.37688463 0.79577695 0.61998305 2.02533065 4.12564454
 -2.58143302
 3.04535065 -2.9819188 -1.67037879 -1.5618468 1.82013177 2.71682638
 4.32060021 2.27039985 1.96258552 -3.44643065]
 Sample 1778: [0.43864516 0.81499882 0.60480197 2.03389165 4.13561213
 -2.53791983
 2.9203432 -3.02018658 -1.64396877 -1.4894665 1.83170307 2.71043645
 4.22012079 2.13998876 1.90079622 -3.44128876]
 Sample 1779: [0.45185192 0.71233314 0.61663083 2.05647055 4.10621496
 -2.52222432
 2.98671851 -3.08858869 -1.65391618 -1.48026235 1.86463548 2.65968223
 4.20457329 2.12703367 1.90913321 -3.53168568]
 Sample 1780: [0.38100872 0.76814563 0.63181881 2.08752423 4.10213709
 -2.64344054
 2.95684463 -3.06513814 -1.69102827 -1.44455457 1.88344557 2.65674702
 4.13193563 2.13320368 1.92373285 -3.56559194]
 Sample 1781: [0.40280879 0.73737946 0.61054993 2.04119485 4.11271887
 -2.63597439
 2.99871398 -3.03322555 -1.59421013 -1.46481841 1.92445644 2.66183552
 4.15126068 2.20752827 1.912428 -3.55638325]
 Sample 1782: [0.42093257 0.76199202 0.62005753 1.97096065 4.07295735
 -2.71448805
 2.89308237 -2.97854984 -1.56282951 -1.42779052 1.9470631 2.60344808
 4.16189792 2.1694483 1.93656788 -3.45887595]

Sample 1783: [0.37987798 0.73959484 0.61128461 1.99025079 4.07126827
 -2.73522155
 2.94460297 -3.04004257 -1.55592251 -1.35757452 1.87049008 2.58051296
 4.15441301 2.13855169 1.94189394 -3.42846115]
 Sample 1784: [0.43238092 0.75303589 0.633114 2.05968592 4.08615488
 -2.63296888
 2.99301171 -3.06371373 -1.52292543 -1.3271887 1.86875489 2.61067772
 4.03827349 2.05906904 2.02558824 -3.4630866]
 Sample 1785: [0.4023776 0.80277589 0.60153667 2.12376199 4.10118132
 -2.59034454
 3.07928452 -2.99629094 -1.58477226 -1.36399942 1.83625904 2.61480946
 3.94548718 2.10829592 1.93732711 -3.53129826]
 Sample 1786: [0.40616646 0.78399915 0.60487455 2.16035529 4.19112239
 -2.51609087
 3.10079897 -2.93222528 -1.45572893 -1.29783418 1.85386643 2.6743557
 4.00761069 2.10175745 1.91604466 -3.43967214]
 Sample 1787: [0.4127618 0.77041891 0.59261964 2.15598901 4.2105838
 -2.46894349
 3.02908121 -2.95871915 -1.44309653 -1.24630347 1.85673042 2.60059224
 4.02490278 2.16045057 1.95813169 -3.48450893]
 Sample 1788: [0.41032026 0.75931518 0.6109422 2.09981229 4.15900185
 -2.47431314
 3.00627122 -2.96916376 -1.44095464 -1.27886969 1.85877019 2.58130967
 4.01918331 2.13664829 1.92012191 -3.51840702]
 Sample 1789: [0.33273166 0.74758241 0.58949979 2.13695169 4.16426246
 -2.45403189
 2.9603453 -2.94550838 -1.44589842 -1.32465775 1.90899589 2.53344689
 4.02412227 2.10851543 1.86688148 -3.52759563]
 Sample 1790: [0.43004156 0.73431042 0.59387937 2.12301147 4.24409157
 -2.51384628
 2.90209307 -2.92492832 -1.43277246 -1.30331511 1.82720817 2.47112258
 4.05438412 2.12601368 1.82220886 -3.56334566]
 Sample 1791: [0.43852288 0.71123526 0.59478974 2.19426803 4.29624768
 -2.43431094
 2.93310227 -2.9965498 -1.41689659 -1.40776059 1.81081622 2.39216755
 4.08047618 2.15128953 1.84108559 -3.5735946]
 Sample 1792: [0.35375416 0.73768446 0.60556338 2.13182829 4.2724011
 -2.37947953
 2.90415583 -2.93520058 -1.31093958 -1.4261161 1.92437249 2.36708124
 4.05403722 2.18179022 1.84538433 -3.58952833]
 Sample 1793: [0.41497824 0.75681811 0.59676185 2.09941804 4.21562829
 -2.42059684
 2.90266532 -2.99229943 -1.31666182 -1.4498365 1.9230303 2.3887436
 3.97618847 2.21404836 1.88497061 -3.5515739]
 Sample 1794: [0.3684533 0.70067738 0.62337245 2.11847056 4.26030379
 -2.38567774
 2.84681499 -3.02938468 -1.30362498 -1.3757781 1.88615893 2.38835585
 4.02582938 2.14552245 1.86965906 -3.60573665]

Sample 1795: [0.41347282 0.69919963 0.59678648 2.13256023 4.30825166
 -2.41745973
 2.82253136 -3.01383824 -1.28972736 -1.35901576 1.93019569 2.43201754
 4.04408761 2.18704333 1.81021054 -3.61124355]
 Sample 1796: [0.43397949 0.75129801 0.61381979 2.23393177 4.29251675
 -2.45635024
 2.83554015 -3.0066972 -1.27318046 -1.26913823 1.95020656 2.50289348
 3.98576697 2.25545427 1.78069741 -3.58577719]
 Sample 1797: [0.37105945 0.7382907 0.61317604 2.27004771 4.24541241
 -2.46142921
 2.84646478 -3.03297359 -1.29290773 -1.24542121 1.97204955 2.39440646
 3.99347489 2.31705502 1.75718279 -3.64209246]
 Sample 1798: [0.37795515 0.69109037 0.60362586 2.20245775 4.16175219
 -2.43378042
 2.88164579 -2.98653505 -1.28323767 -1.25759149 2.00025696 2.44280075
 4.06350218 2.26515062 1.79622049 -3.69723278]
 Sample 1799: [0.40469972 0.7126496 0.61992023 2.22705802 4.13437893
 -2.37176445
 2.82515147 -3.04984297 -1.30165875 -1.20874525 1.98453572 2.49323546
 4.00754996 2.34064359 1.74685173 -3.67441852]
 Sample 1800: [0.45977329 0.70479242 0.58727044 2.24104042 4.06994777
 -2.38081976
 2.78783565 -3.01687968 -1.3162908 -1.11962486 1.94252113 2.45776914
 4.02448058 2.3595207 1.72363239 -3.73494817]
 Sample 1801: [0.37446303 0.735096 0.62249412 2.28586768 4.03815422
 -2.36933781
 2.81270955 -3.02946223 -1.35538886 -1.09124226 1.94844271 2.39921497
 4.02159542 2.36462093 1.7067458 -3.73432939]
 Sample 1802: [0.36489225 0.6837573 0.59335889 2.16245776 3.95368917
 -2.34121641
 2.80731114 -2.98705358 -1.44301457 -1.01669902 1.96206965 2.43698493
 4.06462933 2.36350946 1.70272784 -3.65102207]
 Sample 1803: [0.40594864 0.73085121 0.61765079 2.25911908 4.01329437
 -2.35662381
 2.83734512 -3.00224038 -1.44274453 -1.0280483 1.88199179 2.4008445
 4.14002221 2.31731645 1.70806933 -3.77922227]
 Sample 1804: [0.42013223 0.70013384 0.600206 2.24430564 4.07815431
 -2.37789511
 2.82780917 -3.07459456 -1.52952891 -0.94751462 1.89677398 2.48264279
 4.15091475 2.34687055 1.68220537 -3.7419117]
 Sample 1805: [0.4857059 0.72605796 0.6050803 2.187412 4.11468651
 -2.46305064
 2.82001151 -3.06034056 -1.47432639 -1.01254577 1.87392768 2.41289257
 4.20336448 2.36793907 1.72270169 -3.78720689]
 Sample 1806: [0.4815505 0.71156305 0.57979674 2.22269938 4.11816381
 -2.49194436
 2.89948343 -3.04613888 -1.49523524 -1.05260347 1.86694859 2.48204373
 4.185744 2.38798495 1.72000763 -3.8077601]

Sample 1807: [0.47297311 0.7287087 0.61942557 2.15917824 4.17389534
 -2.45883477
 2.88252008 -3.08677793 -1.50522115 -0.94589 1.80070258 2.49839933
 4.10159781 2.3057069 1.79094517 -3.79123493]
 Sample 1808: [0.44564456 0.69987164 0.61603236 2.09583215 4.15716574
 -2.48914078
 2.89230612 -3.14851908 -1.51648702 -0.871521 1.80254075 2.54743237
 3.99692042 2.30863634 1.82845935 -3.76427494]
 Sample 1809: [0.47994694 0.73451127 0.6405918 2.11184022 4.13392382
 -2.53429279
 2.89127965 -3.17431124 -1.49757264 -0.85939357 1.75155855 2.49456726
 3.94082999 2.38052653 1.71467528 -3.72525626]
 Sample 1810: [0.43120736 0.74002557 0.62279264 2.0735132 4.16195622
 -2.53548224
 2.94591168 -3.18327265 -1.56199344 -0.85348831 1.73043939 2.46440178
 3.91256376 2.43551799 1.70048322 -3.65872041]
 Sample 1811: [0.41823869 0.73636235 0.65728401 2.00500057 4.19052856
 -2.50310525
 2.9258638 -3.19608092 -1.53787952 -0.84680583 1.75188349 2.50534665
 3.91908536 2.40617571 1.70776215 -3.64050584]
 Sample 1812: [0.44674301 0.75404163 0.62679296 2.0082808 4.25825206
 -2.52759315
 2.92196912 -3.21885456 -1.55311911 -0.83279425 1.79916931 2.41104742
 3.84698978 2.42097448 1.75189765 -3.66251304]
 Sample 1813: [0.49244603 0.69781208 0.63714156 1.96839455 4.34534353
 -2.50616361
 2.94685424 -3.16883418 -1.59947349 -0.76316115 1.79454164 2.52926189
 3.82770082 2.4655857 1.71476411 -3.69807591]
 Sample 1814: [0.46066498 0.75954728 0.59829574 1.91741732 4.37925896
 -2.46263891
 2.97453896 -3.18706791 -1.53317039 -0.79354913 1.70397311 2.55875115
 3.94413327 2.43328382 1.77735707 -3.70713724]
 Sample 1815: [0.54537219 0.76468808 0.64860893 1.96277479 4.38818932
 -2.51722457
 2.94615733 -3.27036214 -1.49958291 -0.82838568 1.69445402 2.66790365
 4.00165781 2.38610793 1.72240869 -3.65773856]
 Sample 1816: [0.59071715 0.72824953 0.57599523 2.05823741 4.40775384
 -2.51340198
 2.97822201 -3.23130826 -1.47455831 -0.69677938 1.61890933 2.67197086
 4.01072887 2.43273657 1.75495621 -3.69115131]
 Sample 1817: [0.50044911 0.73611075 0.64154595 2.08896138 4.44088046
 -2.45566247
 2.84304143 -3.21638346 -1.34745551 -0.64568644 1.66291772 2.64139554
 4.09159127 2.43610674 1.73044825 -3.71377707]
 Sample 1818: [0.44063266 0.7282242 0.6061292 2.11445874 4.42436764
 -2.46420309
 2.90909966 -3.17779514 -1.32302991 -0.59918302 1.73685016 2.69119979
 4.07531145 2.42121957 1.72101744 -3.70977282]

Sample 1819: [0.4865037 0.75964516 0.64362376 2.10655873 4.3873053
 -2.52933556
 2.93516976 -3.17776495 -1.32165769 -0.63685309 1.77520816 2.64530105
 4.15742073 2.38878577 1.68933594 -3.62840675]
 Sample 1820: [0.51859147 0.77390044 0.58358188 2.07123213 4.4239262
 -2.51879608
 2.95781044 -3.16812002 -1.33725865 -0.6080714 1.79297022 2.59760597
 4.18452809 2.3752201 1.76956737 -3.68510753]
 Sample 1821: [0.55241555 0.78622228 0.62057834 2.04323445 4.41629259
 -2.47940614
 2.989736 -3.22493268 -1.29761469 -0.67670325 1.84261291 2.64432864
 4.13325086 2.39525925 1.71194542 -3.72872902]
 Sample 1822: [0.55276211 0.73706168 0.58642566 2.13124911 4.41372752
 -2.47218314
 2.97736395 -3.26347642 -1.3146347 -0.65588897 1.92313811 2.56205905
 4.16857737 2.34705866 1.72370256 -3.76093665]
 Sample 1823: [0.53507862 0.73200171 0.63448881 2.07369707 4.49715719
 -2.4411013
 2.96390438 -3.29961032 -1.3225546 -0.67984742 1.87518703 2.65148435
 4.09808556 2.32197453 1.7601847 -3.64093338]
 Sample 1824: [0.50705118 0.75843028 0.60425906 2.17189694 4.47888614
 -2.47046998
 3.04391886 -3.25994421 -1.32438498 -0.66261529 1.87457354 2.62182287
 4.03369691 2.32749151 1.82248841 -3.62944524]
 Sample 1825: [0.47537665 0.78875191 0.6478551 2.24795454 4.52840109
 -2.3999864
 3.01209023 -3.24061584 -1.29767646 -0.71800741 1.8345886 2.65109026
 4.03472276 2.35806958 1.72346129 -3.57251102]
 Sample 1826: [0.46850965 0.76970919 0.61638802 2.18996271 4.47569971
 -2.4494286
 3.01750454 -3.2436009 -1.23638349 -0.7064882 1.74918793 2.61067243
 4.0980068 2.3577428 1.74770892 -3.57570223]
 Sample 1827: [0.54190074 0.76949735 0.61771281 2.20212428 4.41427695
 -2.45670522
 3.08468727 -3.2081777 -1.21521982 -0.76053789 1.76188137 2.70603788
 4.04762198 2.34550023 1.79073429 -3.63260971]
 Sample 1828: [0.53127387 0.75631383 0.58896601 2.20734449 4.37330144
 -2.44863246
 2.97348832 -3.26093569 -1.20258268 -0.80937567 1.81235682 2.71702189
 3.95588808 2.30944826 1.76742153 -3.7292284]
 Sample 1829: [0.55358549 0.76606407 0.62036552 2.13451846 4.44464339
 -2.45723294
 2.9699365 -3.21929269 -1.21920896 -0.74137192 1.85028233 2.71717225
 3.89464379 2.30921421 1.83530982 -3.6374001]
 Sample 1830: [0.52731633 0.78975671 0.57391988 2.13266899 4.38135525
 -2.38730249
 3.08834421 -3.21058083 -1.24428766 -0.72583305 1.87425059 2.6928134
 3.87280179 2.3143262 1.79508325 -3.54224659]

Sample 1831: [0.48187103 0.78411157 0.63716021 2.10410312 4.40512399
 -2.40865398
 3.12618051 -3.18963471 -1.2713514 -0.69657039 1.8367608 2.73119634
 3.86639156 2.24789463 1.85506003 -3.53550657]
 Sample 1832: [0.48849892 0.81573517 0.59698418 2.09661015 4.38904736
 -2.41625185
 3.08336392 -3.24221824 -1.26956158 -0.6765177 1.90350791 2.67853839
 3.88255525 2.25737892 1.96972518 -3.53815157]
 Sample 1833: [0.57203496 0.82177905 0.61158014 2.05996756 4.40099715
 -2.49884178
 3.04216852 -3.21096175 -1.16708817 -0.67550021 1.92459891 2.74214612
 3.82592463 2.16752631 1.97839974 -3.47009488]
 Sample 1834: [0.50668755 0.78694107 0.59182279 2.02574431 4.39496954
 -2.48234566
 3.11015023 -3.23867321 -1.08868972 -0.62809139 1.93355402 2.65579948
 3.88661269 2.17926157 1.95946637 -3.48354719]
 Sample 1835: [0.59240906 0.83455042 0.60884808 2.03614503 4.38841581
 -2.46799972
 3.11799347 -3.24063725 -1.04308273 -0.63216646 1.90874307 2.67567839
 3.74723966 2.21026211 1.92114955 -3.44447241]
 Sample 1836: [0.50686911 0.80339296 0.59309058 2.02801366 4.40707915
 -2.56881403
 3.16888408 -3.2058941 -1.04852847 -0.69991493 1.86335253 2.70342393
 3.79574873 2.22793526 1.87560133 -3.41220588]
 Sample 1837: [0.54473668 0.86593526 0.62987319 2.05258314 4.42287999
 -2.55259093
 3.22885499 -3.22653104 -1.0609854 -0.70868725 1.79458496 2.71763141
 3.77598561 2.24348788 1.87779012 -3.30436571]
 Sample 1838: [0.60705634 0.86538206 0.55100848 2.08303514 4.39650548
 -2.54996834
 3.2963304 -3.23626903 -1.08131633 -0.72441149 1.88952767 2.70473317
 3.7673073 2.20517399 1.89302955 -3.29362682]
 Sample 1839: [0.59711208 0.88206903 0.62559039 2.02725999 4.4952751
 -2.57650194
 3.2886556 -3.21729297 -1.04564922 -0.65214962 1.89541482 2.7299555
 3.71825312 2.20094431 1.87906015 -3.22828689]
 Sample 1840: [0.60462352 0.87769363 0.54668955 2.06951809 4.42571194
 -2.49284257
 3.35098965 -3.22941962 -1.12606992 -0.69934768 2.0006245 2.64924804
 3.67916261 2.11723148 1.83056547 -3.24691742]
 Sample 1841: [0.56878796 0.97751546 0.61388916 2.04380702 4.44354818
 -2.51584119
 3.30908361 -3.19304884 -1.13235576 -0.67041818 2.06763835 2.65320063
 3.67411139 2.08105957 1.81658854 -3.23917729]
 Sample 1842: [0.49552841 0.94152751 0.5815569 2.0738137 4.50488139
 -2.5455396
 3.28819778 -3.20805837 -1.15109844 -0.72538156 2.07573283 2.70317667
 3.63661042 2.04984127 1.83100108 -3.28175588]

Sample 1843: [0.51408357 0.86915856 0.67007165 2.14437941 4.51917597
 -2.58338505
 3.29489481 -3.24998593 -1.17186862 -0.73595091 2.01658168 2.72664618
 3.63904275 2.0720603 1.85673898 -3.27422257]
 Sample 1844: [0.47286762 0.85881817 0.58419744 2.06665243 4.47985803
 -2.5308582
 3.30668246 -3.2533244 -1.05836371 -0.7460061 2.05088734 2.70364485
 3.64181281 2.06933373 1.82655646 -3.3018831]
 Sample 1845: [0.45396967 0.82041118 0.69643552 2.16583984 4.63008971
 -2.50058061
 3.26112964 -3.26571495 -1.07861659 -0.77672905 2.06339503 2.62321135
 3.66435198 2.04620465 1.80418422 -3.13484386]
 Sample 1846: [0.38558231 0.87866619 0.63690651 2.10707518 4.55417793
 -2.55495517
 3.12528112 -3.261718 -1.10999799 -0.72816489 2.01099833 2.64031637
 3.64888967 2.02100954 1.78214713 -3.12807142]
 Sample 1847: [0.38096037 0.85169051 0.71311888 2.14373112 4.6599252
 -2.53662823
 3.20619032 -3.37613335 -1.06248208 -0.72434459 1.93610028 2.62726881
 3.67638432 1.9981698 1.79147169 -3.13023848]
 Sample 1848: [0.36111718 0.87992873 0.65239383 2.24026771 4.69806581
 -2.54236881
 3.29172389 -3.3854032 -1.08261063 -0.73928451 1.84865818 2.61390284
 3.6834149 1.96700422 1.76787009 -3.078147]
 Sample 1849: [0.41862474 0.88692397 0.7084736 2.2805899 4.74021865
 -2.525278
 3.31764353 -3.3176368 -1.10584167 -0.63792124 1.80799545 2.64139942
 3.68735155 1.91655969 1.82086191 -3.07892685]
 Sample 1850: [0.43178257 0.90231846 0.64077298 2.24883587 4.74888757
 -2.44954544
 3.29027943 -3.3329835 -1.15512172 -0.65582341 1.79051375 2.68743716
 3.71612407 1.87494061 1.84891609 -3.09789146]
 Sample 1851: [0.33978107 0.86714145 0.68719504 2.20925562 4.69756985
 -2.39096026
 3.33330355 -3.29858571 -1.23855983 -0.53046723 1.82745884 2.66940613
 3.70537434 1.93581597 1.80758288 -3.05015286]
 Sample 1852: [0.36435315 0.94008433 0.64398828 2.13968225 4.61391939
 -2.37707561
 3.29641344 -3.28696455 -1.22130529 -0.5056227 1.85138409 2.70014278
 3.66637877 1.83803212 1.81336395 -3.02482957]
 Sample 1853: [0.35411092 0.91884686 0.69455725 2.12978942 4.636211
 -2.3488609
 3.28900146 -3.29249819 -1.21094002 -0.54880337 1.8292966 2.68959792
 3.70176457 1.82136201 1.7089707 -2.99947532]
 Sample 1854: [0.3326194 0.86397151 0.6496104 2.04663979 4.58853608
 -2.2969833
 3.31559222 -3.33101507 -1.22398297 -0.56134961 1.81241207 2.72745596
 3.77966984 1.84930978 1.70528507 -3.00254852]

Sample 1855: [0.38563412 0.89421444 0.70261136 2.02884067 4.6419892
 -2.33188704
 3.27207215 -3.31072464 -1.24534269 -0.59179061 1.85073794 2.72526713
 3.75759818 1.73508686 1.68819713 -3.05745723]
 Sample 1856: [0.34692509 0.86592802 0.64857296 2.01179475 4.7189205
 -2.29827082
 3.25975586 -3.3185394 -1.13664493 -0.70947972 1.88723295 2.78608018
 3.78008992 1.74588921 1.76200719 -3.19756225]
 Sample 1857: [0.35360881 0.89355806 0.69676753 1.97977827 4.73319558
 -2.31743407
 3.24359186 -3.3176346 -1.14179785 -0.66074933 1.93208092 2.82325466
 3.78234529 1.754527 1.72235695 -3.2108946]
 Sample 1858: [0.40988766 0.85409568 0.63625557 1.95805335 4.71072069
 -2.35213919
 3.1502508 -3.22015663 -1.11662532 -0.70122061 2.00015219 2.8201196
 3.81928816 1.75397371 1.75894104 -3.17570803]
 Sample 1859: [0.29236045 0.84056009 0.67285669 2.01778346 4.73165504
 -2.36175855
 3.17083148 -3.28628466 -1.05531392 -0.62721847 1.90482087 2.88285836
 3.81969519 1.77318144 1.76527811 -3.0640504]
 Sample 1860: [0.33296624 0.93436983 0.66806234 1.99512834 4.74779629
 -2.3935224
 3.14441495 -3.35853422 -1.01411212 -0.64008311 2.03515541 2.85926728
 3.84024297 1.76906931 1.73537503 -2.98324605]
 Sample 1861: [0.33853745 0.89542191 0.71751096 2.04974328 4.74268229
 -2.35314858
 3.10681289 -3.40240334 -1.03249082 -0.55649911 2.06486459 2.89126198
 3.82598723 1.73115033 1.7311856 -2.96223077]
 Sample 1862: [0.31744098 0.88394739 0.6684686 2.02690465 4.71626999
 -2.2743474
 3.14861628 -3.36512574 -0.99212487 -0.58464033 2.01777236 2.95303745
 3.78329838 1.67953582 1.73856589 -2.92980101]
 Sample 1863: [0.29716271 0.824839 0.69816733 1.96705388 4.71816092
 -2.27390446
 3.1522331 -3.34676797 -0.98027172 -0.57647818 2.02205381 2.95435362
 3.83007298 1.74251355 1.72801162 -2.89701094]
 Sample 1864: [0.37130191 0.94069149 0.68547499 2.05469644 4.71469991
 -2.23558243
 3.10976308 -3.37192372 -0.99941477 -0.52518162 1.90041153 3.00082515
 3.83705035 1.75735291 1.69137976 -2.90496831]
 Sample 1865: [0.27984846 0.88127485 0.68674665 2.072644 4.68850983
 -2.27357286
 3.13768416 -3.36121251 -1.05349401 -0.45630242 1.93225769 3.04569143
 3.87561797 1.7380035 1.67732123 -3.00215209]
 Sample 1866: [0.35188422 0.89772339 0.68372099 2.13839641 4.77233399
 -2.21151597
 3.1945679 -3.37184928 -1.0652467 -0.49137677 1.96908737 3.0753315
 3.94297042 1.76251836 1.6585935 -3.03279673]

Sample 1867: [0.31376357 0.9254872 0.67113834 2.23872961 4.83409335
 -2.25061592
 3.2380004 -3.26404561 -1.04099139 -0.49302674 1.969302 3.10954067
 4.0510803 1.80043509 1.61107548 -3.07074938]
 Sample 1868: [0.24614242 0.8795435 0.65792802 2.31089162 4.7292866
 -2.26860876
 3.28706875 -3.33677978 -1.0594271 -0.51416852 1.93001639 3.09775542
 4.0694005 1.78546578 1.61918832 -3.09160584]
 Sample 1869: [0.32138455 0.93611393 0.66987543 2.34358352 4.7237903
 -2.27059233
 3.25843198 -3.25803663 -1.07485223 -0.4669241 1.89699449 3.07066764
 4.06964047 1.78020109 1.61924195 -3.12868395]
 Sample 1870: [0.36114812 0.86715224 0.66978625 2.25735295 4.76180718
 -2.31847107
 3.38320514 -3.30720003 -1.091832 -0.53628657 1.90487573 3.09027046
 4.1402153 1.80533066 1.6077202 -3.15682623]
 Sample 1871: [0.37666021 0.91494795 0.67721583 2.2642809 4.83255659
 -2.37447127
 3.37313988 -3.28701616 -1.05843054 -0.4965883 1.87312788 3.00017741
 4.1430176 1.88384662 1.56614238 -3.12555372]
 Sample 1872: [0.28359194 0.95303563 0.67288973 2.31381415 4.7794065
 -2.41770763
 3.30998061 -3.35489486 -1.05951546 -0.55085856 1.90732813 2.98539187
 4.17294902 1.85029385 1.5697091 -3.14876731]
 Sample 1873: [0.31507965 0.89790635 0.68393639 2.25991741 4.79754839
 -2.40407246
 3.30457564 -3.3653758 -1.03873783 -0.55973124 1.87449248 2.92672714
 4.16081117 1.77351104 1.49969309 -3.03040359]
 Sample 1874: [0.33570594 0.91985557 0.67532373 2.26277354 4.76643019
 -2.3992699
 3.35296968 -3.29909547 -1.01580724 -0.59586807 1.82843667 2.88911645
 4.19740815 1.67653019 1.5188022 -2.95957673]
 Sample 1875: [0.32867382 0.92135854 0.67219711 2.21119957 4.73984535
 -2.44930789
 3.31306652 -3.31157113 -1.02094372 -0.55831385 1.79325134 2.88434981
 4.15405413 1.6596569 1.56336013 -2.94864019]
 Sample 1876: [0.28716295 0.92884499 0.68026389 2.14212685 4.71870774
 -2.37547097
 3.27801719 -3.38236484 -0.92535994 -0.61360556 1.81986069 2.85639476
 4.15896737 1.65777742 1.47492962 -3.0052923]
 Sample 1877: [0.32064176 0.88768376 0.66364412 2.10457284 4.62127958
 -2.38689239
 3.27969833 -3.30051802 -0.85916364 -0.61103096 1.81967042 2.89530381
 4.23712256 1.6147353 1.5211082 -2.99081939]
 Sample 1878: [0.34049762 0.96730729 0.70337208 2.22045383 4.5695265
 -2.34285817
 3.22013517 -3.36313285 -0.8385548 -0.59895127 1.83347103 2.9187887
 4.27151189 1.55270107 1.58631755 -2.9648767]

Sample 1879: [0.2571902 0.84317504 0.65942071 2.24970657 4.61431818
 -2.41016298
 3.24433945 -3.37815208 -0.78948755 -0.65413254 1.82243197 2.99780942
 4.28491882 1.54582776 1.55929631 -2.94823484]
 Sample 1880: [0.29081842 0.943866 0.68818865 2.21136647 4.60269631
 -2.3791557
 3.20302762 -3.3438483 -0.81407491 -0.58836842 1.7841542 2.98849418
 4.30927539 1.60922983 1.59321135 -2.81775734]
 Sample 1881: [0.22104387 0.93669211 0.6693288 2.15991182 4.64712301
 -2.30943637
 3.16628701 -3.44426844 -0.88322676 -0.60004917 1.78248625 2.93570472
 4.22646581 1.63208446 1.63630632 -2.8235466]
 Sample 1882: [0.32144977 0.90472926 0.70152528 2.15063093 4.69959757
 -2.32430092
 3.17756211 -3.45346666 -0.86946983 -0.66779418 1.71504863 2.95633904
 4.17985342 1.59395698 1.62032652 -2.86161203]
 Sample 1883: [0.200805 0.96075154 0.66172393 2.17289014 4.71559081
 -2.25365587
 3.21447331 -3.36316198 -0.93041992 -0.65469727 1.64608429 2.9206997
 4.24781989 1.58319718 1.55482344 -2.87635993]
 Sample 1884: [0.30590924 0.94206797 0.67910006 2.10746972 4.71999674
 -2.24036806
 3.29560821 -3.34386809 -0.92524659 -0.59622395 1.66208386 2.78665368
 4.4091537 1.64177681 1.61858487 -2.81039308]
 Sample 1885: [0.2498446 0.94234945 0.66742088 2.04989773 4.77171662
 -2.34151009
 3.37677767 -3.39890962 -0.89372337 -0.51699327 1.62246456 2.80836317
 4.38295151 1.65223978 1.56896801 -2.79214995]
 Sample 1886: [0.2693031 0.97465874 0.68159864 2.16309757 4.81999424
 -2.23258877
 3.47842424 -3.32584516 -0.93443901 -0.48951293 1.62118916 2.88496848
 4.41330895 1.66911108 1.5616504 -2.79562294]
 Sample 1887: [0.2351199 0.98443561 0.65097888 2.10804308 4.83294224
 -2.23495969
 3.38960474 -3.31369708 -1.01615695 -0.53192799 1.56416751 2.8563715
 4.39277054 1.68657871 1.4623531 -2.74739138]
 Sample 1888: [0.19259088 0.91507932 0.66308107 2.11360888 4.83916099
 -2.20732296
 3.33465443 -3.35716326 -1.0596436 -0.603853 1.53824406 2.93755705
 4.41361763 1.76322823 1.39449066 -2.80035619]
 Sample 1889: [0.21201941 0.95911037 0.67017856 2.13225799 4.7928801
 -2.17334355
 3.3203887 -3.41303585 -1.05318148 -0.6533057 1.55276988 2.9459668
 4.42127898 1.75861197 1.38610198 -2.81874933]
 Sample 1890: [0.2104028 0.96038198 0.66181108 2.14081392 4.83202324
 -2.19293455
 3.40689664 -3.36383025 -1.09516462 -0.69866306 1.50919761 2.96280332
 4.35229456 1.72201815 1.31169268 -2.78092781]

Sample 1891: [0.20176674 0.98219343 0.67498519 2.21447737 4.73779304
 -2.1808182
 3.47109302 -3.39382664 -1.16149274 -0.68356868 1.57234683 2.94158501
 4.30814203 1.77475639 1.28171013 -2.8079019]
 Sample 1892: [0.25181914 1.00766628 0.67292227 2.17770944 4.55092644
 -2.22638191
 3.52983917 -3.41045435 -1.16577817 -0.68206446 1.56342233 2.89548897
 4.28681561 1.81836029 1.32879004 -2.78438103]
 Sample 1893: [0.19925941 1.0101334 0.66920795 2.14910805 4.50566452
 -2.23030248
 3.53128588 -3.36399369 -1.19622082 -0.64597984 1.47556757 2.94385379
 4.37745995 1.8191872 1.37900591 -2.79141429]
 Sample 1894: [0.15933216 0.92361532 0.63950074 2.05672929 4.5163192
 -2.24913809
 3.48482425 -3.35398417 -1.1737429 -0.66518286 1.54782751 2.95835439
 4.42553041 1.83928328 1.41348372 -2.89865163]
 Sample 1895: [0.19533599 0.99298107 0.66608522 2.06857921 4.43350961
 -2.33593044
 3.48304698 -3.33069118 -1.20605759 -0.65400527 1.53207842 2.84803474
 4.44904637 1.876897 1.47698272 -2.90071459]
 Sample 1896: [0.11799386 0.97688469 0.62708565 2.10147985 4.40459312
 -2.42148573
 3.43064724 -3.29680604 -1.26072636 -0.59894565 1.58335053 2.92728818
 4.47901816 1.92064987 1.38798575 -2.91174915]
 Sample 1897: [0.04023787 0.93638528 0.63417606 2.10494656 4.4679533
 -2.28655899
 3.40821652 -3.29091556 -1.24615885 -0.61137547 1.67874973 2.98241687
 4.47388702 1.93892839 1.39939081 -2.82728799]
 Sample 1898: [0.118388 0.97178984 0.6408296 2.11719519 4.52007243
 -2.3041985
 3.43133026 -3.28320266 -1.34831319 -0.62491723 1.77595082 2.90420501
 4.46987321 1.92285535 1.41793284 -2.79614041]
 Sample 1899: [0.14723965 0.99940412 0.62085642 2.14514876 4.52446569
 -2.25041389
 3.48082002 -3.2196726 -1.33628342 -0.64755269 1.7629243 2.88808405
 4.42704711 1.87583556 1.47522803 -2.78083624]
 Sample 1900: [0.12731327 0.96391867 0.63468572 2.20913956 4.52520828
 -2.28294038
 3.51708621 -3.16261614 -1.35856035 -0.67548908 1.79094303 2.92297805
 4.35364875 1.80550557 1.47410836 -2.83113012]
 Sample 1901: [0.14414634 0.98577021 0.60585456 2.21072944 4.54999716
 -2.28327357
 3.58156818 -3.1293928 -1.36705739 -0.61128271 1.79461346 2.91238964
 4.4762559 1.77848858 1.5109693 -2.88027056]
 Sample 1902: [0.1278945 0.9825725 0.62442787 2.27483206 4.51442803
 -2.24309699
 3.5623741 -3.18317673 -1.40787216 -0.61331558 1.76603865 2.92609373
 4.52060296 1.70922437 1.47346386 -2.84483828]

Sample 1903: [0.09828238 1.00139654 0.61422521 2.29465096 4.48554942
 -2.37935288
 3.55885031 -3.12226088 -1.50516246 -0.67199945 1.76810298 2.98701169
 4.53407298 1.61025061 1.52310787 -2.91422389]
 Sample 1904: [0.12741494 1.02003781 0.59728085 2.29896442 4.50577439
 -2.35059207
 3.62071161 -3.11642201 -1.46365418 -0.72136648 1.78217022 2.95793465
 4.48965762 1.62199241 1.51583273 -2.90773201]
 Sample 1905: [0.04897136 1.02853412 0.60087165 2.34955038 4.47127636
 -2.36484023
 3.71359483 -3.00833176 -1.4946885 -0.62875148 1.7410419 3.02769361
 4.55135052 1.65409463 1.40054702 -2.87776611]
 Sample 1906: [0.02930614 0.96066167 0.5813236 2.31883501 4.46495943
 -2.31390925
 3.67692274 -3.04221319 -1.53221058 -0.64218941 1.8109085 3.0186345
 4.59811234 1.58171572 1.3309989 -2.9335604]
 Sample 1907: [0.02894992 1.03137889 0.58047979 2.38711238 4.46373176
 -2.32295572
 3.65864272 -2.95099534 -1.49012504 -0.70771904 1.90879074 3.08473694
 4.64968868 1.59250924 1.2851304 -2.90617148]
 Sample 1908: [0.10245143 1.03805205 0.5713988 2.39306813 4.34764629
 -2.31387259
 3.64909735 -2.95913705 -1.5814394 -0.75070852 1.98541974 3.08252345
 4.62552243 1.64989887 1.27219605 -2.92803183]
 Sample 1909: [0.20584053 1.02888828 0.58682927 2.37828122 4.35893345
 -2.34626807
 3.76370733 -2.94395531 -1.53396754 -0.69508977 2.00106401 3.05696219
 4.57938492 1.59671816 1.23367571 -2.89353589]
 Sample 1910: [0.20379333 1.00798305 0.58447951 2.41822568 4.37065222
 -2.33199806
 3.75329138 -2.96651309 -1.54791888 -0.66981568 1.96161513 3.03469124
 4.64133063 1.58396527 1.24191551 -2.89605724]
 Sample 1911: [0.26095441 1.04245369 0.59390997 2.45954626 4.45395372
 -2.28685592
 3.72092731 -2.91022712 -1.52783506 -0.68262187 1.99270683 3.05205378
 4.68339068 1.64559916 1.26563043 -2.92782176]
 Sample 1912: [0.13343577 1.03992717 0.57436906 2.42105981 4.42531607
 -2.27315547
 3.66695938 -2.96112068 -1.50521133 -0.67354932 1.98625696 3.09340759
 4.70722454 1.60793988 1.26972374 -2.94964661]
 Sample 1913: [0.14788585 1.04219489 0.59285937 2.45513857 4.38505115
 -2.30879533
 3.75126584 -2.98484924 -1.52104329 -0.75139774 1.99735959 3.12248024
 4.79249701 1.6788578 1.14696736 -2.96141519]
 Sample 1914: [0.07966766 1.03565176 0.55801992 2.51461128 4.40055895
 -2.38021163
 3.78612715 -2.91865064 -1.55881846 -0.81907947 1.89014691 3.11643551
 4.87674649 1.60714547 1.24645164 -2.92546577]

Sample 1915: [0.01259084 1.02370198 0.57764306 2.59049628 4.36720297
 -2.37300893
 3.72635553 -2.89488098 -1.5949527 -0.83650197 1.90736677 3.14854547
 4.85109834 1.63228679 1.24269367 -2.93182433]
 Sample 1916: [0.00834899 1.03259732 0.54110689 2.56923781 4.35912796
 -2.26529923
 3.71995206 -2.89879469 -1.54886 -0.8493144 1.88472722 3.06191358
 4.83827603 1.68145257 1.2690574 -2.84797822]
 Sample 1917: [0.09352421 1.08086213 0.5622377 2.55670101 4.38302507
 -2.23112224
 3.75957329 -2.80336941 -1.51409446 -0.77104874 1.86839099 3.01233114
 4.92289179 1.81218659 1.25418903 -2.82379253]
 Sample 1918: [0.08053057 1.10691529 0.51425942 2.59568638 4.39327424
 -2.29756948
 3.7577512 -2.76329454 -1.5090497 -0.72412768 1.81609321 2.99655361
 4.89432519 1.79232215 1.21410493 -2.84756471]
 Sample 1919: [0.0963585 1.02393855 0.55399271 2.61840586 4.42778963
 -2.25148418
 3.79205388 -2.74991921 -1.45259449 -0.67912029 1.88754174 2.91560154
 4.85075913 1.81671687 1.14552061 -2.85012077]
 Sample 1920: [0.08986937 1.05554234 0.50628165 2.60630073 4.41456606
 -2.27439183
 3.74814107 -2.73142257 -1.39984151 -0.77238507 1.95758892 2.84368254
 4.9394687 1.76624549 1.13658544 -2.77903552]
 Sample 1921: [0.07025154 1.02892682 0.53823923 2.61301515 4.35185815
 -2.38051614
 3.70129402 -2.68189373 -1.45221277 -0.76123507 1.97460605 2.88048772
 4.88153724 1.80858194 1.09348653 -2.78195177]
 Sample 1922: [0.11044846 1.02228517 0.49835074 2.49877916 4.33818102
 -2.41235667
 3.69733799 -2.69243041 -1.43232021 -0.75070815 1.96758317 2.88423112
 4.81488612 1.74163641 1.0849934 -2.80802358]
 Sample 1923: [0.09547212 1.03899121 0.53455861 2.5392479 4.364848
 -2.46471894
 3.72083163 -2.65264266 -1.52122782 -0.77845216 1.96790728 2.88936958
 4.78363304 1.73194255 1.06920246 -2.74950101]
 Sample 1924: [0.12642008 0.97715937 0.48709228 2.62910804 4.28880032
 -2.49399102
 3.77324673 -2.63978545 -1.54502978 -0.73864676 1.87579326 2.85195965
 4.76768662 1.65453077 1.07647415 -2.81490247]
 Sample 1925: [0.17285345 0.99434752 0.54526387 2.63385493 4.26844627
 -2.42787524
 3.66981512 -2.69921207 -1.50374224 -0.82879372 1.91633193 2.73534773
 4.70157635 1.62815366 1.0039177 -2.85760224]
 Sample 1926: [0.13238982 0.95882108 0.49969129 2.65047456 4.32767466
 -2.40544608
 3.61883711 -2.68451152 -1.54012751 -0.89349103 1.94108357 2.75021127
 4.74672644 1.62226495 0.99336714 -2.84039663]

Sample 1927: [0.06608985 0.9950896 0.539415 2.61672603 4.3546413
 -2.43646471
 3.56372004 -2.68391109 -1.49754564 -0.86546881 1.9149289 2.8141454
 4.7206714 1.57481863 1.08778856 -2.86681647]
 Sample 1928: [0.11121264 0.96888201 0.52889399 2.636319 4.36055752
 -2.44517893
 3.45275736 -2.82962049 -1.50271076 -0.87313781 1.85232479 2.79004706
 4.76186396 1.62767414 1.08561915 -2.80202624]
 Sample 1929: [0.06046838 0.9882434 0.5535395 2.71135756 4.41559761
 -2.44007492
 3.45993427 -2.77698752 -1.45661582 -0.82779011 1.84277829 2.82514899
 4.75034818 1.59999987 1.07251708 -2.81090212]
 Sample 1930: [0.08578419 0.96862216 0.5158355 2.76359572 4.40648218
 -2.47294609
 3.40747535 -2.75137991 -1.41629247 -0.85508867 1.92351036 2.75564778
 4.80712971 1.64767437 1.01457539 -2.81861625]
 Sample 1931: [0.09930909 0.97446313 0.55375054 2.78731872 4.39999525
 -2.38545683
 3.42066345 -2.76690173 -1.34918639 -0.90089225 1.86808499 2.76650798
 4.77638758 1.60106707 0.89844429 -2.82758261]
 Sample 1932: [0.0270343 0.94975298 0.50625974 2.78960575 4.44714356
 -2.45102919
 3.4000018 -2.7093307 -1.37187095 -0.88643633 1.80554348 2.7677347
 4.89169036 1.6621519 0.98022779 -2.88433656]
 Sample 1933: [-0.00613007 0.99736839 0.53270524 2.72552992 4.44427744
 -2.44414648
 3.37979963 -2.68372447 -1.31877929 -0.87355082 1.78112577 2.6563047
 4.86864714 1.69686336 0.95206736 -2.81311587]
 Sample 1934: [0.00783238 0.94775784 0.48689901 2.78847446 4.42560438
 -2.4575784
 3.41276578 -2.63108343 -1.25365087 -0.80140859 1.72136108 2.64960882
 4.89414874 1.68647581 0.93281493 -2.77434527]
 Sample 1935: [1.67986318e-03 9.51037776e-01 5.17927921e-01 2.84981493e+00
 4.36995293e+00 -2.44785754e+00 3.40119097e+00 -2.58884388e+00
 -1.25803930e+00 -8.36587865e-01 1.78659486e+00 2.65550284e+00
 4.79921017e+00 1.74126089e+00 9.26434384e-01 -2.79149922e+00]
 Sample 1936: [-0.06208533 0.93502385 0.4830965 2.88476396 4.32997726
 -2.48400714
 3.40357062 -2.60564366 -1.24515267 -0.8421366 1.74865472 2.63673976
 4.80717095 1.75436513 0.91225285 -2.82399561]
 Sample 1937: [-0.08816312 0.92070223 0.52872168 2.95223275 4.27590032
 -2.49041343
 3.38305216 -2.64073318 -1.18232918 -0.80415646 1.83992161 2.55085718
 4.83164478 1.80739779 0.92796272 -2.87700971]
 Sample 1938: [-0.11601234 0.99421418 0.48587444 2.95060321 4.31217896
 -2.51780672
 3.40899504 -2.62645129 -1.15202173 -0.86519075 1.85974321 2.63436077
 4.92541859 1.82345372 0.95618999 -2.8159906]

Sample 1939: [-0.13767584 0.96383673 0.51298475 3.04933892 4.32613098
 -2.48500432
 3.42360392 -2.57378418 -1.13172871 -0.98705944 1.89634572 2.62495134
 4.88035728 1.89662577 0.92647593 -2.80769585]
 Sample 1940: [-0.12719653 0.99498814 0.4772927 3.08847517 4.36505244
 -2.37599558
 3.36062697 -2.58434261 -1.10560965 -0.98887624 1.89605876 2.61312967
 4.89239723 1.89419114 0.95205953 -2.75322172]
 Sample 1941: [-0.17862687 1.02142432 0.47462779 3.15229549 4.32712005
 -2.31325638
 3.38196612 -2.49512261 -1.14311916 -1.0623912 1.93387915 2.57898164
 4.87462958 1.85728241 0.97778561 -2.76438833]
 Sample 1942: [-0.13423392 0.90946219 0.47976393 3.12714701 4.29448836
 -2.27884123
 3.439469 -2.53705127 -1.09558775 -1.04464851 1.99216654 2.49506776
 4.83543676 1.81773234 0.94945929 -2.76124087]
 Sample 1943: [-0.1550142 1.01806163 0.49886635 3.2140403 4.34488895
 -2.36135031
 3.28614991 -2.62057879 -1.14704217 -1.07141324 2.05332839 2.47703231
 4.90098207 1.84225953 0.99104379 -2.81070911]
 Sample 1944: [-0.13856826 0.93320498 0.50168195 3.23142177 4.37355611
 -2.38109182
 3.20628659 -2.56801878 -1.14722262 -1.02441793 2.09452999 2.37399952
 4.89516526 1.82964921 1.09010264 -2.88596599]
 Sample 1945: [-0.14153853 0.86003362 0.48034578 3.30869195 4.42468584
 -2.26793112
 3.21997733 -2.52148294 -1.13276701 -1.02696607 2.05200625 2.3630655
 4.86526929 1.79562833 1.06254735 -3.00091416]
 Sample 1946: [-0.1700881 0.89575654 0.49699864 3.46159947 4.3180955
 -2.29103007
 3.1748577 -2.54075124 -1.08496846 -1.06577887 2.02814514 2.36836175
 4.83876771 1.73712232 1.08134276 -2.93847572]
 Sample 1947: [-0.14050036 0.86871353 0.48129867 3.39902768 4.25441002
 -2.25071688
 3.14989504 -2.53156498 -1.05704553 -1.0988476 2.0049143 2.4875509
 4.85946564 1.68775164 1.09380777 -2.92305888]
 Sample 1948: [-0.13036825 0.85275869 0.47568248 3.43668026 4.2383486
 -2.27105765
 3.11260435 -2.48114754 -1.00267343 -0.98094023 1.94920225 2.5533025
 4.84142586 1.65201772 1.1098854 -2.93839757]
 Sample 1949: [-0.11330915 0.92927469 0.48480031 3.52198836 4.20711577
 -2.23486261
 3.14741144 -2.50167192 -1.01809272 -1.01315706 1.90638459 2.62791997
 4.91446459 1.71651012 1.12755279 -3.0171625]
 Sample 1950: [-1.93769759e-03 8.66188787e-01 4.87599820e-01 3.53390213e+00
 4.22067017e+00 -2.17960983e+00 3.23410796e+00 -2.54045692e+00
 -9.39667958e-01 -1.01368281e+00 1.90087307e+00 2.58351268e+00
 4.83770062e+00 1.78878095e+00 1.03174606e+00 -2.92311678e+00]

Sample 1951: [-0.04768468 0.899718 0.45701643 3.48735195 4.14219946
 -2.17009374
 3.19824177 -2.42381057 -0.99236637 -0.99272136 1.95976401 2.62949653
 4.80521 1.72071949 1.00677402 -2.94852156]
 Sample 1952: [-0.1068641 0.91326917 0.48139991 3.46870502 4.10826198
 -2.1730563
 3.26524152 -2.45606134 -0.98840457 -0.96899939 1.88885254 2.62135367
 4.84342245 1.72911463 1.02165895 -2.97757485]
 Sample 1953: [-0.04847434 0.93163058 0.4603722 3.50851571 4.14894546
 -2.20028894
 3.27700544 -2.43841047 -0.90503846 -0.85027882 1.86288221 2.64927442
 4.85997252 1.65192704 1.02926147 -3.05084176]
 Sample 1954: [-0.07396324 0.87821292 0.4797748 3.58324972 4.18645825
 -2.0565297
 3.24289731 -2.45040765 -0.88146829 -0.87416387 1.91202905 2.6624574
 4.81444916 1.63347984 1.01005587 -3.04508109]
 Sample 1955: [-0.08279985 0.87292399 0.48142724 3.53167401 4.22954335
 -2.08510287
 3.21065916 -2.56660471 -0.87375783 -0.92281703 1.86240439 2.59420974
 4.7982971 1.63633428 0.93228361 -3.16526795]
 Sample 1956: [-4.48850009e-03 9.17448683e-01 5.15975046e-01 3.48997521e+00
 4.24722324e+00 -2.11852253e+00 3.30557793e+00 -2.57382623e+00
 -8.96980219e-01 -9.00398734e-01 1.85168956e+00 2.55637857e+00
 4.79161107e+00 1.62105808e+00 8.69683558e-01 -3.12394739e+00]
 Sample 1957: [0.05700322 0.92921795 0.48757888 3.46635134 4.21962096
 -2.02269687
 3.21871643 -2.62989854 -0.89587082 -0.89075082 1.8679196 2.6917232
 4.77710155 1.65456945 0.97417193 -3.11540385]
 Sample 1958: [-0.02006341 0.8480828 0.52952304 3.44084526 4.3023895
 -2.00014873
 3.22011091 -2.62355722 -0.85687863 -0.99065476 1.95195323 2.68536252
 4.76156187 1.6679569 0.99181785 -3.08570743]
 Sample 1959: [-0.00544881 0.85634356 0.49051949 3.35386608 4.37448619
 -1.99064094
 3.21578516 -2.65516273 -0.83901622 -1.1567633 1.98152988 2.66989602
 4.78823699 1.73124195 1.01683619 -3.04990817]
 Sample 1960: [0.00968673 0.90112101 0.52083793 3.30212656 4.32042019
 -1.92574808
 3.23487128 -2.60921926 -0.76817712 -1.11603301 2.06299807 2.63785996
 4.80968257 1.75215017 0.98537691 -3.09229932]
 Sample 1961: [0.03729481 0.84892015 0.46996771 3.33462756 4.27264975
 -1.92007885
 3.17933961 -2.53120716 -0.75285973 -1.11895085 2.05914681 2.61794761
 4.83165125 1.77234751 0.99883942 -3.10549535]
 Sample 1962: [0.04748271 0.85865791 0.48882189 3.32370506 4.26660505
 -1.88478357
 3.20268812 -2.48069189 -0.82187613 -1.10591665 2.07375542 2.65634799
 4.76523801 1.73731962 1.0099883 -3.1170297]

Sample 1963: [3.71639188e-03 8.54733899e-01 4.73382235e-01 3.26173566e+00
 4.20264737e+00 -1.91228378e+00 3.23253242e+00 -2.50108767e+00
 -8.67202025e-01 -1.11641657e+00 2.06989322e+00 2.54672971e+00
 4.71255660e+00 1.58080948e+00 1.03285679e+00 -3.14539949e+00]
 Sample 1964: [0.05112326 0.88666875 0.47065145 3.29473302 4.20526508
 -1.84873006
 3.27382983 -2.41287872 -0.8612519 -1.18210242 2.09181124 2.57286933
 4.64751446 1.59902283 0.96312327 -3.15549281]
 Sample 1965: [0.08498742 0.86239324 0.451546 3.34965206 4.23434277
 -1.79687472
 3.29086957 -2.35915821 -0.78815909 -1.13950648 2.08172257 2.63970279
 4.72858559 1.55436288 0.92304243 -3.1883985]
 Sample 1966: [0.05789426 0.89795333 0.45731026 3.29459077 4.32089031
 -1.70763724
 3.26010385 -2.33596693 -0.82299064 -1.13432197 2.06353553 2.64060139
 4.70641926 1.62988576 0.95641396 -3.24286491]
 Sample 1967: [0.00894116 0.87797987 0.45011509 3.3226792 4.34774433
 -1.76161075
 3.31576238 -2.34574612 -0.77351324 -1.05399456 2.19284777 2.62869864
 4.66510637 1.68120774 0.90028264 -3.26045397]
 Sample 1968: [0.01895349 0.84493814 0.47304897 3.25864665 4.25821513
 -1.80196434
 3.28037986 -2.41209275 -0.75971212 -1.06202111 2.14362065 2.52969565
 4.7280794 1.64228602 0.96238261 -3.19808849]
 Sample 1969: [-0.01570465 0.88703117 0.45701697 3.22195919 4.33245965
 -1.75965605
 3.3185343 -2.43716692 -0.78479192 -1.04971088 2.11612067 2.58198662
 4.79278371 1.56835316 1.00181445 -3.20203812]
 Sample 1970: [0.0815972 0.93719547 0.47615729 3.28739597 4.3091701
 -1.70611896
 3.38316672 -2.41027399 -0.783771 -0.99536549 2.16652636 2.51236185
 4.88058319 1.51106048 1.11904068 -3.16283919]
 Sample 1971: [0.03511776 0.8765152 0.47383389 3.3180363 4.33013496
 -1.75082248
 3.36359542 -2.48676462 -0.82747003 -1.08993862 2.19955655 2.47714731
 4.82330353 1.55811347 1.10806025 -3.11165053]
 Sample 1972: [0.04979072 0.93426954 0.51533787 3.30321571 4.33247387
 -1.72209174
 3.35293986 -2.62889157 -0.90215379 -1.12293531 2.18862198 2.50136365
 4.82053889 1.55564154 1.17510465 -3.12166989]
 Sample 1973: [0.00932855 0.89982736 0.51602276 3.3222098 4.28475409
 -1.73414611
 3.43286858 -2.70841463 -0.88806975 -1.14932965 2.19676913 2.5287928
 4.8121268 1.66093642 1.12026565 -3.04043386]
 Sample 1974: [1.63148726e-03 9.49504032e-01 5.25227803e-01 3.33252917e+00
 4.32348263e+00 -1.68388120e+00 3.34162546e+00 -2.67590191e+00
 -8.68639000e-01 -1.19263442e+00 2.18148794e+00 2.49426710e+00
 4.82758485e+00 1.68363484e+00 1.22644614e+00 -3.05703642e+00]

Sample 1975: [-0.01036332 0.86624901 0.51184052 3.43343638 4.29608665
 -1.62511618
 3.25666214 -2.68602679 -0.83404961 -1.22398971 2.17151969 2.37882337
 4.76157307 1.66910827 1.26330838 -3.03445752]
 Sample 1976: [2.70483073e-04 9.84376338e-01 5.21808078e-01 3.45995912e+00
 4.35767143e+00 -1.69900734e+00 3.31546658e+00 -2.65589863e+00
 -8.01437240e-01 -1.28819645e+00 2.10360610e+00 2.40731412e+00
 4.84876685e+00 1.66131893e+00 1.23005901e+00 -2.97156919e+00]
 Sample 1977: [-0.01532207 0.88633756 0.52060607 3.45694163 4.27384808
 -1.65712858
 3.37686464 -2.74207155 -0.73417924 -1.30784505 2.09070513 2.31976883
 4.82260136 1.71893875 1.27503838 -2.9788012]
 Sample 1978: [0.00954703 0.90000613 0.53801045 3.39005043 4.3035435
 -1.59436328
 3.3887649 -2.73008278 -0.71151346 -1.37638757 2.00473249 2.24938789
 4.84107202 1.75011675 1.25727662 -3.0191751]
 Sample 1979: [-0.01444011 0.92648679 0.53497169 3.34625035 4.27891822
 -1.56492489
 3.47875771 -2.8055718 -0.73067891 -1.42210391 2.05843518 2.14987031
 4.92835238 1.67172786 1.26037046 -3.02634643]
 Sample 1980: [0.01933372 0.94038805 0.54529485 3.38637933 4.16966799
 -1.55311642
 3.41925173 -2.81930814 -0.78748909 -1.52484265 2.05868173 2.09644418
 4.87548719 1.75229845 1.24252791 -2.99811216]
 Sample 1981: [0.04101264 0.92663275 0.55299164 3.40498834 4.15856654
 -1.45466576
 3.4198806 -2.82562226 -0.84812861 -1.643746 2.11398251 2.08368153
 4.96047792 1.68765609 1.27410612 -3.01396192]
 Sample 1982: [-0.01551734 0.92862648 0.53292217 3.40925325 4.14748725
 -1.46192619
 3.34758877 -2.77802938 -0.77800926 -1.67257067 2.11217183 2.07538153
 4.96005589 1.73568302 1.22738775 -3.02231612]
 Sample 1983: [-0.02355105 0.93118832 0.53693044 3.44917913 4.17309355
 -1.47214971
 3.41761048 -2.81435312 -0.71488101 -1.66507409 2.19041074 2.08273368
 4.89145223 1.76876201 1.25357102 -3.09165801]
 Sample 1984: [-0.04569553 0.90096701 0.55459602 3.5239888 4.17291067
 -1.4847508
 3.39892146 -2.86160191 -0.808011 -1.66838224 2.1669466 2.01318173
 4.85767672 1.82911446 1.13202064 -3.05806984]
 Sample 1985: [0.03375081 0.88874805 0.56916661 3.57964038 4.15209707
 -1.46504831
 3.38641097 -2.90239795 -0.83882047 -1.73125066 2.21605827 2.03413535
 4.89380046 1.78947423 1.12422148 -3.15324052]
 Sample 1986: [0.01288419 0.86941612 0.58058914 3.49420126 4.18931295
 -1.45122538
 3.3648706 -3.00411601 -0.87554909 -1.73663253 2.27101617 2.00261807
 4.90629423 1.85171466 1.17019813 -3.10964763]

Sample 1987: [0.06878017 0.90575367 0.59097231 3.49825092 4.1828558
 -1.5469355
 3.43064243 -2.99683299 -0.92139956 -1.66694748 2.22582871 1.99775878
 4.79190789 1.84476004 1.10464818 -3.07576023]
 Sample 1988: [0.00971527 0.89022717 0.570634 3.49775816 4.16046124
 -1.56520416
 3.45308447 -3.02172208 -0.86274509 -1.62086567 2.26014161 1.99677075
 4.81922112 1.86105635 1.12050345 -3.15955585]
 Sample 1989: [-0.01450863 0.89573267 0.60560043 3.4443118 4.10148273
 -1.57205982
 3.46312996 -2.9996121 -0.80361954 -1.67188168 2.24691856 1.90936004
 4.73639891 1.78366899 1.11126248 -3.07790178]
 Sample 1990: [-0.01542129 0.88884777 0.54840738 3.48726393 4.12618098
 -1.56953127
 3.47608172 -2.94417065 -0.77748436 -1.61230703 2.222486 1.90905174
 4.71765978 1.86568554 1.10614335 -3.14341361]
 Sample 1991: [0.02351958 0.89512351 0.58831315 3.53061561 4.08945057
 -1.50041692
 3.41216228 -2.90132202 -0.71367802 -1.59123919 2.22508817 1.87167178
 4.71747734 1.89972503 1.0508799 -3.13554064]
 Sample 1992: [0.01821542 0.92310404 0.52627847 3.55414338 4.04035896
 -1.54466296
 3.49638339 -2.82468538 -0.76380756 -1.59983537 2.08033678 1.88324185
 4.65796938 2.00223493 1.01884638 -3.14127875]
 Sample 1993: [0.11460602 0.89776924 0.57286253 3.53221747 4.00592267
 -1.68350404
 3.52948447 -2.79338786 -0.76073666 -1.4974484 2.13832006 1.79711984
 4.68269694 1.92736669 1.09244423 -3.17281347]
 Sample 1994: [0.13064288 0.89386771 0.54395585 3.57274399 3.98616279
 -1.69284285
 3.53153696 -2.87626183 -0.76292617 -1.38300359 2.12170762 1.86227905
 4.61468907 1.91314874 1.11034213 -3.19377532]
 Sample 1995: [0.10880476 0.87150205 0.59319798 3.59838783 4.02985247
 -1.75710963
 3.51130265 -2.91531467 -0.79229183 -1.3201964 2.12044179 1.83183111
 4.65899048 1.87285931 1.10701056 -3.2213525]
 Sample 1996: [0.14805064 0.8466846 0.56392951 3.60213776 4.03477624
 -1.85330246
 3.50983067 -2.95278951 -0.78696965 -1.26147576 2.09269824 1.83880891
 4.66889543 1.85154398 1.11266777 -3.23487582]
 Sample 1997: [0.15624357 0.91551977 0.60256504 3.63538917 3.93858865
 -1.78976781
 3.49603479 -2.923898 -0.79441799 -1.26768601 2.07318224 1.8074329
 4.74362446 1.88821289 1.09236573 -3.29731279]
 Sample 1998: [0.12798425 0.79377875 0.53890266 3.63466522 4.02464136
 -1.74855841
 3.43249494 -2.91370862 -0.80582055 -1.2467183 2.10814966 1.65687561
 4.66204821 1.88482273 1.05997172 -3.27492821]

Sample 1999: [0.1120281 0.78295728 0.59836533 3.57651166 4.14202447
 -1.7042406
 3.42990926 -2.86980816 -0.72896425 -1.26876749 2.23943413 1.66139726
 4.63385946 1.92033511 1.06220675 -3.34090681]
 Sample 2000: [0.16575264 0.84271005 0.54437432 3.59071605 4.11555961
 -1.6818615
 3.50736441 -2.85448037 -0.77332691 -1.24653468 2.27013794 1.7323299
 4.67564794 1.98575008 1.0780956 -3.30015475]
 Sample 2001: [0.08400134 0.87493835 0.5699149 3.6023807 4.15605015
 -1.71357592
 3.50267517 -2.80994266 -0.81193505 -1.14631981 2.3178753 1.73514124
 4.75621625 1.95473556 1.05206304 -3.36749868]
 Sample 2002: [0.12441409 0.86581047 0.53813772 3.59995332 4.09793899
 -1.63931203
 3.52399736 -2.8250955 -0.86413472 -1.19314887 2.33924077 1.77775097
 4.72739848 1.95700963 1.07364616 -3.34730129]
 Sample 2003: [0.05117195 0.8917927 0.56235413 3.62883608 4.07928165
 -1.62054673
 3.55587234 -2.82854301 -0.85301548 -1.21167589 2.39278695 1.71305143
 4.78380688 1.93754283 1.03720133 -3.43117093]
 Sample 2004: [0.01836676 0.88651723 0.55917698 3.72738134 4.07673821
 -1.60971222
 3.50501687 -2.87283185 -0.88832294 -1.23913062 2.39513632 1.73839713
 4.73537587 1.90203622 0.98342792 -3.42452211]
 Sample 2005: [0.08350294 0.85231074 0.56041295 3.74966014 4.10426507
 -1.51416715
 3.45597763 -2.84054199 -0.90085835 -1.31419243 2.35381466 1.69436117
 4.67311909 1.86735472 0.97099302 -3.39358457]
 Sample 2006: [0.06752625 0.93657272 0.56108358 3.78263941 3.98664042
 -1.53722186
 3.4260583 -2.90335796 -0.9144644 -1.29659268 2.35232653 1.73082107
 4.59444644 1.82154364 0.95187808 -3.3631192]
 Sample 2007: [0.05245096 0.86201954 0.57008539 3.76663707 3.97110496
 -1.50100266
 3.51779606 -2.85837421 -0.92040431 -1.32498462 2.36201437 1.74803335
 4.61481202 1.78271993 1.01693641 -3.38142413]
 Sample 2008: [0.06017871 0.87623883 0.54319499 3.78708777 3.92838362
 -1.5519312
 3.45220122 -2.81210895 -0.9465764 -1.32759909 2.27876064 1.882665
 4.66416876 1.83384548 1.07712452 -3.3827139]
 Sample 2009: [0.10477764 0.91625571 0.55733861 3.76972776 3.93774794
 -1.51929571
 3.47431361 -2.80277732 -0.97206485 -1.28225867 2.27915463 1.8272782
 4.59399403 1.91111792 0.97441029 -3.36158651]
 Sample 2010: [0.06347721 0.90947482 0.54907971 3.75339848 3.90464856
 -1.4807224
 3.39531631 -2.82824143 -1.02057636 -1.27664052 2.33664612 1.80154183
 4.58705624 1.90609695 0.98769751 -3.38460709]

Sample 2011: [0.07144139 0.77856085 0.54731988 3.70421753 3.9718297
 -1.44090325
 3.45971856 -2.80885327 -0.94507659 -1.24587941 2.35952724 1.81236416
 4.55388204 1.92271915 1.01486431 -3.33547712]
 Sample 2012: [0.07129811 0.8581113 0.54218205 3.66185832 4.01183789
 -1.48568728
 3.43637511 -2.75261572 -0.99554806 -1.24557855 2.37219566 1.82114116
 4.5366571 1.99018256 1.03145948 -3.36141165]
 Sample 2013: [0.08576009 0.84593573 0.52122831 3.65967568 3.96263754
 -1.56670528
 3.43432648 -2.68224651 -0.97781036 -1.22722062 2.39855331 1.87143136
 4.58726876 2.08782214 1.00837537 -3.28773791]
 Sample 2014: [0.05643392 0.8062038 0.50886559 3.71731881 3.95146704
 -1.57587388
 3.46418149 -2.61876658 -1.02045752 -1.2225665 2.39819453 1.95416523
 4.59068854 2.12331343 1.04067382 -3.21593505]
 Sample 2015: [0.03144033 0.89602173 0.49796344 3.65080208 3.97975879
 -1.56307937
 3.37376986 -2.57058528 -0.98157559 -1.21495917 2.37411146 1.94247498
 4.58502082 2.12556873 1.06574092 -3.20959702]
 Sample 2016: [0.04607253 0.84225763 0.50061129 3.62965258 3.98077017
 -1.50515074
 3.37251536 -2.57808812 -0.99330287 -1.22112203 2.34302954 1.91536507
 4.66411971 2.20410739 1.09429854 -3.24583656]
 Sample 2017: [0.08769308 0.80871734 0.49916434 3.67504774 4.05967316
 -1.55632022
 3.42895242 -2.55653065 -1.00308945 -1.16512673 2.36095252 1.95933397
 4.60751704 2.18681111 1.10173007 -3.32377413]
 Sample 2018: [0.07427113 0.8323952 0.48433708 3.75759503 4.11352826
 -1.60485202
 3.37984647 -2.47202543 -0.94427881 -1.21794491 2.42018714 1.84957776
 4.60245963 2.21963906 1.1181214 -3.31587249]
 Sample 2019: [0.05580625 0.87716624 0.4870864 3.69981787 4.07735545
 -1.57915423
 3.36136664 -2.51960572 -0.96332342 -1.21570419 2.45670097 1.84504294
 4.65910574 2.23437246 1.08712632 -3.28169016]
 Sample 2020: [0.09439197 0.78937751 0.50788409 3.73527375 4.06941344
 -1.61533116
 3.27592522 -2.56401551 -0.87850988 -1.16933765 2.3943238 1.84249444
 4.67258583 2.20996872 1.04875181 -3.23519597]
 Sample 2021: [0.07910569 0.83221405 0.52144141 3.69155031 4.08783804
 -1.53946363
 3.28138558 -2.63117946 -0.91766679 -1.14961139 2.36602296 1.73831743
 4.62269487 2.09470018 1.04676093 -3.20138438]
 Sample 2022: [0.028129 0.79038468 0.52082394 3.64337032 4.14022104
 -1.60995154
 3.32465338 -2.70437941 -0.9601366 -1.14570944 2.39476812 1.78940602
 4.53527782 2.09135858 1.02310502 -3.27473064]

Sample 2023: [0.06227036 0.78878572 0.53145417 3.7211908 4.13968554
 -1.60689641
 3.26847286 -2.72381985 -0.99967421 -1.23300792 2.40774111 1.78429616
 4.45207592 2.06444345 0.94700106 -3.16640442]
 Sample 2024: [0.11108823 0.83222061 0.52949035 3.71848852 4.15120984
 -1.6808602
 3.21500021 -2.70484626 -0.92718187 -1.1937082 2.3820125 1.81164421
 4.444527 2.14568222 0.98043245 -3.13845738]
 Sample 2025: [0.12989035 0.84782224 0.53050394 3.68387849 4.21239104
 -1.75721143
 3.21258681 -2.64554859 -0.92722005 -1.18632597 2.33886909 1.91916257
 4.50279534 2.15936414 0.98035993 -3.20043002]
 Sample 2026: [0.07562221 0.80193833 0.51390535 3.75150415 4.17351998
 -1.70194757
 3.26949404 -2.67947156 -0.97990429 -1.23055127 2.3893523 1.86950903
 4.49336358 2.20601336 0.97203522 -3.22359523]
 Sample 2027: [0.12574833 0.80543691 0.54280409 3.73664293 4.139553
 -1.7390324
 3.26331119 -2.70429797 -1.00362656 -1.27583142 2.34767972 1.90733625
 4.45881893 2.30376442 0.9529419 -3.19109719]
 Sample 2028: [0.15359872 0.8819862 0.55356984 3.80313069 4.09809591
 -1.82975217
 3.25435304 -2.8193153 -0.93766054 -1.07201611 2.31694424 1.96716437
 4.44161032 2.32143846 0.94305505 -3.21862375]
 Sample 2029: [0.15962614 0.8311314 0.57702563 3.89346907 4.03485475
 -1.80349681
 3.38015556 -2.82752856 -0.98701146 -1.03431723 2.33562217 1.99891139
 4.44700142 2.24627571 0.95761708 -3.2167734]
 Sample 2030: [0.13103466 0.8572854 0.52881675 3.89686079 3.99808298
 -1.83368137
 3.30800595 -2.76086287 -0.97638792 -1.05925335 2.35286911 2.01121546
 4.37311471 2.23391694 0.95809822 -3.15816328]
 Sample 2031: [0.17699786 0.81014935 0.55949446 3.95780736 3.98216865
 -1.85372721
 3.26828201 -2.69987382 -0.94731755 -1.1393829 2.36951451 2.06634103
 4.40031013 2.23031522 0.9640649 -3.21142552]
 Sample 2032: [0.11823526 0.89859983 0.50694524 3.95808743 3.94812876
 -1.89193361
 3.30948681 -2.68021924 -0.93042893 -1.09896777 2.3333767 2.09363182
 4.46419424 2.27785921 1.03912908 -3.21164752]
 Sample 2033: [0.08740527 0.84651691 0.55418451 3.98773678 3.91188045
 -1.8808887
 3.32238204 -2.7615656 -0.93472615 -1.12476929 2.35780621 2.09523069
 4.52416068 2.30620194 1.06324049 -3.21432841]
 Sample 2034: [0.14635168 0.82295426 0.51629198 3.97474109 3.90114042
 -1.98267462
 3.36095832 -2.73057288 -0.96204685 -1.21624353 2.3571776 2.17363194
 4.53025351 2.34460339 0.98337053 -3.22788538]

Sample 2035: [0.18527016 0.85653444 0.56071749 3.98689564 4.02452836
 -2.02808451
 3.38819103 -2.69859514 -0.96285582 -1.0979089 2.4752666 2.13650896
 4.49803257 2.28171061 1.03970486 -3.2150791]
 Sample 2036: [0.19220916 0.90099726 0.53575825 3.97884575 4.02812467
 -2.09217438
 3.37353343 -2.76783969 -0.96464319 -1.11606839 2.47348867 2.13476512
 4.4664354 2.29162322 1.07722587 -3.21068615]
 Sample 2037: [0.19466334 0.85663403 0.58609395 3.92433237 4.08324524
 -2.15866574
 3.33668301 -2.85924698 -0.96080325 -1.09999179 2.46010777 2.16718852
 4.55927654 2.27507126 1.04806288 -3.25618151]
 Sample 2038: [0.20770813 0.86461267 0.56535926 3.99340941 4.07532572
 -1.987685
 3.33277855 -2.85909374 -0.9275332 -1.18200024 2.49433603 2.16340607
 4.55432206 2.2505007 1.10574017 -3.23914881]
 Sample 2039: [0.16811353 0.86032181 0.58075629 3.97609045 4.08179018
 -2.00026972
 3.42656492 -2.86179582 -0.90322007 -1.24478984 2.51449882 2.17085692
 4.52121208 2.19776556 1.18290825 -3.29161026]
 Sample 2040: [0.16275153 0.89016996 0.55173291 4.05147942 4.15129319
 -1.99326952
 3.40814499 -2.82872591 -0.94702145 -1.28349967 2.54199358 2.21765548
 4.4762146 2.24741045 1.14945406 -3.31588047]
 Sample 2041: [0.18354187 0.87753526 0.54859868 4.01463163 4.1552808
 -2.01392655
 3.53952608 -2.7348706 -0.87032871 -1.32509828 2.63844236 2.2349374
 4.485475 2.19499957 1.29415095 -3.35381746]
 Sample 2042: [0.18348885 0.84073082 0.55929007 3.93265222 4.17881997
 -2.02255927
 3.44158944 -2.76352876 -0.89587226 -1.33431987 2.65324147 2.17138713
 4.44503897 2.20857805 1.26062141 -3.25397448]
 Sample 2043: [0.18567723 0.81043215 0.55568109 3.93267344 4.17973434
 -2.01076767
 3.42577239 -2.79295193 -0.84021259 -1.34327759 2.66500843 2.18098131
 4.42728282 2.24020666 1.30699327 -3.29991587]
 Sample 2044: [0.24159424 0.90614846 0.58438683 3.93035566 4.15793983
 -2.07192098
 3.39871014 -2.81884713 -0.87609954 -1.26314039 2.61858104 2.07270154
 4.37553297 2.28579553 1.25514846 -3.26631993]
 Sample 2045: [0.19043064 0.81108005 0.57477154 3.82094615 4.17807918
 -2.12468575
 3.50344046 -2.87107835 -0.84714701 -1.2842509 2.69131979 2.05610059
 4.37079806 2.27830406 1.29710948 -3.21638853]
 Sample 2046: [0.22106297 0.88975435 0.58384784 3.83069422 4.24891642
 -2.05945498
 3.47551136 -2.91785327 -0.83517875 -1.26009733 2.70473706 2.05981951
 4.40663729 2.27022558 1.22857342 -3.22920303]

Sample 2047: [0.153069 0.89381989 0.59188932 3.85352783 4.19080357
 -2.06572148
 3.49609045 -2.94760323 -0.98537713 -1.19896018 2.74736298 2.08240175
 4.36283996 2.20855491 1.24609386 -3.15813482]
 Sample 2048: [0.18496259 0.84858851 0.58630229 3.90388423 4.1477367
 -1.98325833
 3.44217852 -2.96206559 -0.9689411 -1.16378298 2.73211333 2.08573886
 4.42377435 2.15553555 1.33983967 -3.13957573]
 Sample 2049: [0.19772109 0.87896665 0.62002946 3.85746036 4.07919736
 -2.02978901
 3.43352101 -3.00599762 -0.95999625 -1.18965609 2.71016628 2.02158525
 4.41953194 2.18515321 1.46021513 -3.21323996]
 Sample 2050: [0.15822097 0.90557427 0.58816856 3.89783263 3.94677246
 -1.96635424
 3.36177545 -3.02141983 -1.00568482 -1.23085307 2.73273616 2.02432466
 4.40365037 2.12186501 1.42464391 -3.23880254]
 Sample 2051: [0.20754015 0.85713214 0.60865477 3.92644468 3.92061393
 -2.0848675
 3.34870234 -2.99975241 -1.05658304 -1.22064288 2.66717922 2.04719446
 4.43640038 1.98764922 1.46026905 -3.25039993]
 Sample 2052: [0.2094039 0.86339643 0.61523075 3.98181956 3.86409511
 -2.11115543
 3.37609027 -3.04120594 -0.99994092 -1.13546553 2.6916426 2.04352724
 4.34808895 1.99309931 1.43411244 -3.19699648]
 Sample 2053: [0.15286905 0.83413564 0.61270071 4.07905633 3.90438627
 -2.06057167
 3.38955855 -3.13379402 -0.96318441 -1.10670611 2.68582037 2.01884594
 4.35082685 1.98645199 1.49400186 -3.16977112]
 Sample 2054: [0.24728966 0.84041812 0.65528842 3.98948612 3.90544768
 -2.08299296
 3.41458799 -3.17779317 -1.01702905 -1.10706623 2.62703887 2.03670003
 4.33833713 1.95828473 1.46056408 -3.19300394]
 Sample 2055: [0.15889861 0.85757299 0.61831243 3.93650808 3.88326735
 -2.07729329
 3.44406582 -3.16575335 -0.98837388 -1.13061788 2.65913358 2.02741813
 4.27557982 1.94373071 1.47593741 -3.15466142]
 Sample 2056: [0.2250274 0.92182881 0.65560936 3.90640691 3.7485111
 -1.98565382
 3.46762689 -3.1992726 -0.91463205 -1.15081624 2.71035111 2.04513744
 4.28037579 1.93404574 1.50214343 -3.16662967]
 Sample 2057: [0.19166597 0.83686171 0.65788659 3.87009831 3.68964419
 -1.98710482
 3.58283636 -3.22181692 -0.99020071 -1.21550227 2.78946617 1.99644965
 4.3319394 1.94017921 1.44765169 -3.21061226]
 Sample 2058: [0.14132397 0.90859662 0.60960167 3.83873234 3.64117852
 -1.97992325
 3.66116177 -3.16301617 -0.98578709 -1.24659557 2.79701872 2.07695764
 4.4060178 1.89136112 1.46960607 -3.20418873]

Sample 2059: [0.20672909 0.90023502 0.64163648 3.82167318 3.69862783
 -1.94467865
 3.71542138 -3.10021821 -1.07776614 -1.18371804 2.84005326 2.09637135
 4.43861867 1.88378011 1.41077304 -3.22493122]
 Sample 2060: [0.14037585 0.9367119 0.61698442 3.79835345 3.71476297
 -1.93598995
 3.6528529 -3.14162802 -1.08530057 -1.26925162 2.81423256 2.14503225
 4.41886659 1.90346849 1.36873059 -3.2176665]
 Sample 2061: [0.16655647 0.92519963 0.63725499 3.68821004 3.63334163
 -2.01433363
 3.65868017 -3.15535893 -1.12222929 -1.27104098 2.83026268 2.22859204
 4.48407462 1.853398 1.3689197 -3.12162651]
 Sample 2062: [0.07652041 0.97785923 0.60350307 3.70855173 3.74399569
 -1.93608927
 3.69112776 -3.14280768 -1.08745304 -1.27529575 2.79070407 2.25838973
 4.66061316 1.85633061 1.29899754 -3.10707207]
 Sample 2063: [0.07652202 0.96727487 0.60630491 3.64746268 3.68247277
 -1.91704623
 3.74372374 -3.10170719 -1.09833443 -1.2629138 2.76711444 2.13086049
 4.63161197 1.87464846 1.32909208 -3.06023352]
 Sample 2064: [0.05586549 0.96923467 0.61027995 3.62846487 3.74284109
 -1.77348299
 3.80107381 -3.07811397 -1.07872488 -1.2368197 2.77950394 2.15120628
 4.61788496 1.82547372 1.31003951 -2.99641727]
 Sample 2065: [-1.64515539e-04 1.01247622e+00 6.02787905e-01 3.63395276e+00
 3.79783793e+00 -1.82298706e+00 3.71320138e+00 -3.08317858e+00
 -1.07428529e+00 -1.11661580e+00 2.70724261e+00 2.13604679e+00
 4.60036430e+00 1.82486425e+00 1.45383202e+00 -3.02249643e+00]
 Sample 2066: [-0.06350824 0.9602291 0.59546105 3.65150129 3.76323719
 -1.90907036
 3.76811467 -3.10826063 -1.07651196 -1.11274602 2.77973182 2.10243089
 4.60441155 1.80401814 1.49995615 -2.98207239]
 Sample 2067: [1.96023234e-04 9.66496212e-01 5.94012510e-01 3.65294600e+00
 3.70478820e+00 -1.79278672e+00 3.76551619e+00 -3.11908934e+00
 -1.06230625e+00 -1.14191572e+00 2.77636405e+00 2.04785394e+00
 4.60370625e+00 1.80713993e+00 1.42165772e+00 -2.90454632e+00]
 Sample 2068: [-0.04622236 1.0224654 0.60942712 3.59715028 3.67582237
 -1.78550952
 3.73966765 -3.0340374 -1.05927208 -1.07712998 2.76284216 2.03896016
 4.55387182 1.80827445 1.45937659 -2.8973521]
 Sample 2069: [-0.03596692 1.0895395 0.55659729 3.64515602 3.66044063
 -1.7671454
 3.74869077 -2.9866996 -1.07221923 -1.05078858 2.69835883 2.02852425
 4.48371493 1.80599117 1.53533679 -2.93930329]
 Sample 2070: [-0.01001534 0.95508253 0.58532633 3.70729887 3.68161712
 -1.72984053
 3.74183529 -2.94627433 -1.03415455 -1.0294442 2.7967094 1.95570779
 4.44484781 1.79702117 1.51823813 -2.95044817]

Sample 2071: [-0.03097732 1.02129811 0.56592742 3.65632873 3.63245409
 -1.76376641
 3.74833458 -2.97243199 -0.99682288 -0.96486216 2.80231243 1.93995904
 4.4620562 1.84050194 1.51696639 -3.01856522]
 Sample 2072: [-0.07165569 0.99413811 0.59454463 3.68805914 3.58974535
 -1.76881054
 3.72784206 -3.02667289 -0.99484948 -1.00749682 2.89549739 1.95682843
 4.46607566 1.87760451 1.49841237 -3.09492131]
 Sample 2073: [-0.00879215 0.96140329 0.58576097 3.75876592 3.65157605
 -1.69206216
 3.70651114 -3.03641786 -0.88447337 -0.98017957 2.88907699 1.90333781
 4.50060363 1.84615846 1.36160462 -3.08434736]
 Sample 2074: [0.03890448 1.00309671 0.57448368 3.73856886 3.66546417
 -1.69093106
 3.69576324 -2.99402821 -0.76646371 -1.08357496 2.88229408 1.80261728
 4.43162224 1.8113314 1.34947673 -3.03552025]
 Sample 2075: [-0.01337261 0.96167133 0.57801718 3.76822868 3.68275639
 -1.73605991
 3.78253902 -2.97350406 -0.75459536 -1.06892204 2.88237442 1.79813856
 4.44902555 1.82900495 1.33314492 -3.02518622]
 Sample 2076: [-0.03219922 0.99667498 0.59279347 3.82844842 3.69326228
 -1.73485238
 3.79185678 -3.0168538 -0.68672531 -1.12715874 2.80253098 1.84451988
 4.5040049 1.87497326 1.15422895 -3.06283519]
 Sample 2077: [0.01751012 0.95652551 0.58291233 3.93213811 3.7565071
 -1.73205695
 3.83280367 -3.0497005 -0.62620404 -1.14841482 2.8163404 1.85892111
 4.55608687 1.84526381 1.20624992 -2.98720132]
 Sample 2078: [0.01392992 1.03799153 0.60311402 3.95151145 3.8104729
 -1.76861416
 3.93027746 -3.05371616 -0.65393917 -1.11389995 2.7488338 1.86455509
 4.57964494 1.90440509 1.15420624 -2.93379017]
 Sample 2079: [0.03638581 1.00063658 0.57900662 3.95615339 3.75288361
 -1.78526025
 3.89390505 -3.02545005 -0.57667086 -1.10132172 2.78785669 1.86621456
 4.62779693 1.94415566 1.11629821 -2.85985178]
 Sample 2080: [0.06742023 1.0532888 0.58385727 3.93018521 3.70307795
 -1.77979134
 3.84107145 -2.94940583 -0.53661271 -1.17365241 2.76064657 1.84234435
 4.59953715 1.91897202 1.16710221 -2.89056034]
 Sample 2081: [0.09719075 0.96139936 0.58880295 3.85471272 3.67175562
 -1.75081797
 3.82913562 -3.02290814 -0.54480009 -1.15580216 2.79411483 1.89182397
 4.61962745 1.8930964 1.15651608 -2.93458591]
 Sample 2082: [0.03850198 1.01416254 0.6066526 3.90903172 3.71820397
 -1.78966825
 3.90147904 -3.08448242 -0.56355395 -1.11713308 2.62236297 1.96956546
 4.59836425 1.91496637 1.12170732 -2.93623513]

Sample 2083: [-0.08028997 1.07161194 0.5736269 3.97609137 3.83386137
 -1.74595669
 3.88251991 -3.02928374 -0.5350971 -1.11949002 2.53350425 1.97812841
 4.6927919 1.9431725 1.21511888 -2.95931463]
 Sample 2084: [-0.0404975 1.08095137 0.57096082 3.93485639 3.80417295
 -1.7423403
 3.80043965 -2.95997852 -0.51031561 -1.12123798 2.44303497 1.95674525
 4.68639526 2.00291605 1.17311507 -2.98065324]
 Sample 2085: [-0.06733318 0.99400892 0.57536488 3.84344843 3.80763383
 -1.64896972
 3.7358111 -2.93826008 -0.54080887 -1.20323255 2.46554008 1.94436844
 4.75257483 2.0324445 1.14441989 -3.05718864]
 Sample 2086: [0.01145569 0.95640543 0.54630765 3.82625428 3.76459247
 -1.76374057
 3.735902 -2.83348989 -0.62141264 -1.22011631 2.4258682 2.01803116
 4.87585219 2.02410485 1.13276973 -3.01993132]
 Sample 2087: [0.05675912 0.96992859 0.55701355 3.73721765 3.75497333
 -1.81235722
 3.7043366 -2.87399542 -0.61095473 -1.20523528 2.44878745 2.01854805
 4.79446713 1.99260542 1.16748035 -2.9882316]
 Sample 2088: [0.05069952 0.98432104 0.57112892 3.72389059 3.78659636
 -1.85523127
 3.74156861 -2.92514845 -0.50983835 -1.25176154 2.47336142 2.13901536
 4.78464682 1.98728867 1.19800975 -2.99658571]
 Sample 2089: [0.12037618 1.00023988 0.57536531 3.72445269 3.84464228
 -1.87974206
 3.71394255 -2.92493127 -0.52410557 -1.29179803 2.42588992 2.2084461
 4.79192046 2.07536598 1.17004287 -2.99514889]
 Sample 2090: [0.11293116 0.97499249 0.57721614 3.73583135 3.92376739
 -1.93718482
 3.72731698 -2.94784965 -0.54421756 -1.32207305 2.40236784 2.21553466
 4.81933856 2.16831367 1.15352557 -3.00453943]
 Sample 2091: [0.06095694 0.91645552 0.5727165 3.65736449 3.82773777
 -2.01027458
 3.72446154 -2.94845459 -0.56390865 -1.27693822 2.33276504 2.26501616
 4.84536199 2.14683534 1.13114813 -2.98903339]
 Sample 2092: [0.02229667 0.99110604 0.55263855 3.70526351 3.81198224
 -1.93081166
 3.78376481 -2.83415632 -0.48875031 -1.28543604 2.2938308 2.25857994
 4.77859268 2.18194685 1.04345906 -2.94792441]
 Sample 2093: [3.35243922e-03 9.91898093e-01 5.44340724e-01 3.75202451e+00
 3.83185742e+00 -1.83721630e+00 3.74723716e+00 -2.84408784e+00
 -4.47261981e-01 -1.25597745e+00 2.23322650e+00 2.25792747e+00
 4.81627393e+00 2.25233418e+00 9.86199925e-01 -2.94657729e+00]
 Sample 2094: [-0.09949597 1.02500248 0.56345587 3.64116022 3.86226073
 -1.75109366
 3.69175013 -2.86100604 -0.5308648 -1.24355535 2.25307114 2.33331685
 4.89224896 2.24128566 0.99553253 -3.00956615]

Sample 2095: [-0.01040013 1.07609586 0.56700911 3.69457395 3.80902539
 -1.75404206
 3.67693533 -2.95744912 -0.58933288 -1.29228837 2.28890183 2.2979453
 4.90150659 2.27270596 1.06142685 -3.01130878]
 Sample 2096: [-0.01779123 0.93292489 0.5700655 3.64810969 3.78371071
 -1.72830723
 3.67771208 -2.94904419 -0.59522881 -1.21496357 2.34725563 2.20882155
 4.86287108 2.15067956 1.0575009 -2.96123018]
 Sample 2097: [0.01757991 0.94069427 0.57212445 3.60832649 3.77032534
 -1.67420002
 3.68463436 -2.92033913 -0.46772103 -1.28001755 2.38464902 2.27813718
 4.93562177 2.13869107 1.07790372 -2.99243528]
 Sample 2098: [0.08936081 1.01099402 0.55869661 3.52696224 3.74369011
 -1.63933357
 3.75226756 -2.87417131 -0.40454475 -1.34679827 2.32398458 2.3076747
 4.96262616 2.17744179 1.09567245 -2.97136405]
 Sample 2099: [0.02288881 1.02814953 0.57172809 3.50695395 3.73288276
 -1.68782075
 3.84972862 -2.93203481 -0.39381515 -1.34061168 2.19221874 2.36762945
 5.03658129 2.21639671 1.22302917 -3.03063041]
 Sample 2100: [0.0801704 0.94453069 0.58065512 3.54301981 3.69382177
 -1.69018914
 3.85335632 -2.97766492 -0.47801345 -1.32956242 2.16853854 2.38379442
 5.00863419 2.24632692 1.19321096 -3.06445629]
 Sample 2101: [-0.01525611 1.05352943 0.57573047 3.5662368 3.63885488
 -1.70585764
 3.85498018 -2.9787321 -0.47860222 -1.30228267 2.13749192 2.35034049
 5.06088599 2.17159797 1.25804787 -3.05295621]
 Sample 2102: [-0.01664961 1.05842364 0.57794646 3.57574622 3.68168199
 -1.67431736
 3.87346575 -2.97223893 -0.49768597 -1.28673683 2.15186313 2.36327532
 5.1661695 2.17046091 1.26324116 -2.99850183]
 Sample 2103: [0.03736039 1.00755974 0.57720297 3.6096828 3.70666304
 -1.77334476
 3.86868419 -2.98744548 -0.43374432 -1.35013799 2.12642894 2.2946863
 5.13891586 2.14490484 1.21995777 -2.91804997]
 Sample 2104: [0.04435324 1.00879939 0.56924799 3.65272776 3.81785272
 -1.75348102
 3.90771985 -2.9142726 -0.46589365 -1.34059996 2.09968315 2.21831441
 5.13167927 2.17470725 1.24229464 -2.94137418]
 Sample 2105: [0.06404555 1.03705986 0.57095686 3.66106725 3.77829738
 -1.79594139
 3.97077976 -2.93646233 -0.37964741 -1.39400813 2.12502362 2.23373174
 5.08538743 2.12157865 1.28919474 -2.89220098]
 Sample 2106: [-0.00816508 1.03246852 0.57701062 3.62557669 3.80953938
 -1.80332831
 3.9992498 -2.99232703 -0.41998366 -1.35961733 2.07638617 2.28562745
 5.04274948 2.14136837 1.29778684 -2.92237418]

Sample 2107: [0.01254248 1.01401008 0.57877617 3.60644337 3.80803872
 -1.8393016
 4.01481023 -3.01670319 -0.31499517 -1.41938926 2.07504017 2.24574225
 5.05210342 2.17056064 1.30043581 -2.90200054]
 Sample 2108: [-0.01077689 1.05814361 0.59824129 3.64424045 3.7765829
 -1.83881944
 3.9483701 -3.06954563 -0.40604635 -1.42263563 2.07291323 2.15869656
 5.06229225 2.24817229 1.30034907 -3.00185476]
 Sample 2109: [-0.06144038 0.99841268 0.60991628 3.65072717 3.71835859
 -1.87136767
 3.93259611 -3.10552036 -0.46926048 -1.42414786 2.12109334 2.16085035
 5.06961645 2.25051545 1.3822033 -2.98402236]
 Sample 2110: [-0.05709282 0.97170848 0.58919277 3.61231132 3.70034982
 -1.87136119
 3.89347047 -3.00086158 -0.44426381 -1.49911373 2.15300668 2.07909342
 5.00392023 2.25113413 1.44617337 -3.01439188]
 Sample 2111: [-0.08165074 0.96909854 0.58883126 3.57329949 3.75193455
 -1.82074371
 3.87332363 -3.03537714 -0.43691386 -1.49211049 2.15056779 2.02130715
 5.07392397 2.23449832 1.46194837 -3.00876675]
 Sample 2112: [-0.08831304 1.06994284 0.58650344 3.61326008 3.77895833
 -1.81428709
 3.90634501 -3.06383795 -0.40027078 -1.51662128 2.21355897 2.06410511
 5.02487231 2.23204728 1.43009591 -3.08751627]
 Sample 2113: [-0.09895023 1.09685352 0.61513319 3.51548111 3.75252045
 -1.83129802
 3.88409782 -3.21045809 -0.3978845 -1.52181928 2.22334631 2.03513582
 4.93036281 2.22212609 1.39938613 -2.9903182]
 Sample 2114: [-0.07749177 1.05859206 0.65256075 3.5137659 3.73258756
 -1.8419503
 3.9040414 -3.28728091 -0.39939795 -1.51436742 2.14301242 2.06926562
 4.91914486 2.23400461 1.45787854 -2.90176944]
 Sample 2115: [-1.39785049e-03 9.81153069e-01 6.43307533e-01 3.53505191e+00
 3.80066250e+00 -1.84864986e+00 3.93129200e+00 -3.37816320e+00
 -3.73868294e-01 -1.48519498e+00 2.21370883e+00 2.05588209e+00
 4.90009418e+00 2.21274188e+00 1.41972823e+00 -2.82093683e+00]
 Sample 2116: [-0.0506886 1.07480947 0.67785304 3.62351325 3.80992028
 -1.72946398
 3.90003328 -3.37775784 -0.3467726 -1.44446558 2.1921646 2.02763205
 4.92578871 2.1570938 1.3790412 -2.73370522]
 Sample 2117: [-0.03923604 1.04024569 0.63967924 3.7053165 3.81015854
 -1.74723853
 3.8507025 -3.32370134 -0.27186018 -1.44536203 2.22112111 2.07333786
 4.9667795 2.22378768 1.40627425 -2.77306014]
 Sample 2118: [-0.00811234 1.05067711 0.66399125 3.66250749 3.82976324
 -1.78139018
 3.7450332 -3.3936864 -0.3180641 -1.46679981 2.25291047 2.10855431
 4.95089896 2.25693856 1.43873476 -2.77867886]

Sample 2119: [-0.0318467 0.99611584 0.62881118 3.62371321 3.86962789
 -1.81049869
 3.66440419 -3.32191797 -0.45687862 -1.4796388 2.15021614 2.21153947
 4.95215958 2.23614732 1.4700934 -2.82371633]
 Sample 2120: [-0.01726847 0.9754996 0.65658519 3.56892513 3.88004891
 -1.85092206
 3.57567807 -3.29989849 -0.42427421 -1.46014966 2.13819139 2.13075445
 4.87171948 2.18421145 1.44598045 -2.85642516]
 Sample 2121: [-0.03662554 0.92561739 0.61640085 3.52060564 3.87620451
 -1.84570957
 3.56937521 -3.25104306 -0.44722007 -1.5183827 2.14888594 2.08388476
 4.8614938 2.1994718 1.41125986 -2.90050002]
 Sample 2122: [0.02965732 0.94655538 0.63429247 3.48829047 3.86135899
 -1.8252915
 3.56665825 -3.18088614 -0.43205578 -1.55082881 2.18864656 2.11011822
 4.8168024 2.19714846 1.38231862 -2.86546888]
 Sample 2123: [0.03252387 0.92006062 0.62130857 3.52615807 3.95166904
 -1.87147981
 3.61632282 -3.27646776 -0.44261293 -1.60512716 2.12130115 2.08666618
 4.86629855 2.18211934 1.38537855 -2.86983493]
 Sample 2124: [0.02046236 0.9060542 0.64732575 3.48978474 3.93296364
 -1.76438113
 3.59113619 -3.17975209 -0.45995181 -1.52420797 2.13795105 2.10895743
 4.87651945 2.18340762 1.36469425 -2.87086373]
 Sample 2125: [-1.83367589e-04 1.00478536e+00 5.92291914e-01 3.53507790e+00
 3.90200922e+00 -1.77265499e+00 3.57999013e+00 -3.21098979e+00
 -4.73414288e-01 -1.53239493e+00 2.10034378e+00 2.10616509e+00
 4.83986919e+00 2.23999412e+00 1.38521585e+00 -2.86791987e+00]
 Sample 2126: [-0.00746668 0.98255724 0.6368991 3.62815643 3.8387586
 -1.77452587
 3.58193495 -3.18915708 -0.40953278 -1.47965312 2.06822606 2.14677798
 4.90187326 2.35749032 1.42911394 -2.85394473]
 Sample 2127: [-0.01576842 0.99182014 0.6123553 3.55739799 3.90255445
 -1.79947453
 3.54560028 -3.2363202 -0.5116187 -1.40108581 2.01760038 2.10623602
 4.82876003 2.3263326 1.45102587 -2.82749427]
 Sample 2128: [-0.05643542 0.95431921 0.64744132 3.63018642 3.87242479
 -1.81944066
 3.50181372 -3.22731127 -0.48588946 -1.31554497 2.07371008 2.10293658
 4.80949887 2.28659427 1.41614956 -2.83338867]
 Sample 2129: [-0.04695756 0.94560774 0.60120856 3.67815111 3.8349114
 -1.84590459
 3.58941928 -3.16051234 -0.56241806 -1.3495197 2.1211241 2.1206926
 4.7398726 2.28595225 1.46370778 -2.76472881]
 Sample 2130: [-0.01201286 0.99082326 0.61359921 3.66705433 3.85365143
 -1.83714209
 3.56991245 -3.08871473 -0.63499231 -1.35773197 2.16081458 2.14192676
 4.76093178 2.3325191 1.41637071 -2.77858372]

Sample 2131: [0.04539544 1.00393694 0.58353285 3.73094776 3.75294523
 -1.81566764
 3.55906014 -3.07206217 -0.63321557 -1.43887521 2.05120243 2.14645471
 4.80914516 2.29975672 1.39918975 -2.73756704]
 Sample 2132: [-0.02781896 0.93694766 0.60145104 3.73348124 3.71271807
 -1.87649064
 3.64800244 -3.04811603 -0.59437639 -1.39604661 2.10021085 2.19578141
 4.78534228 2.24830959 1.4284329 -2.77796959]
 Sample 2133: [0.10084366 0.98795216 0.58560539 3.76933015 3.70544583
 -1.82781001
 3.67566962 -3.0313271 -0.59327724 -1.39331015 2.15317315 2.24657653
 4.86055242 2.24574045 1.37586542 -2.87888793]
 Sample 2134: [0.09640011 0.98567216 0.58175627 3.74196314 3.69159276
 -1.85851718
 3.64031734 -2.92042784 -0.56900819 -1.46580141 2.2190885 2.30808898
 4.79579155 2.22023508 1.36310749 -2.8714781]
 Sample 2135: [0.06069968 0.99387397 0.5493893 3.66451867 3.59147767
 -1.83480666
 3.61477616 -2.87434598 -0.51628033 -1.50332285 2.05317155 2.29065224
 4.85506307 2.23949132 1.29480808 -2.90819185]
 Sample 2136: [-0.01975482 0.95911422 0.55288473 3.70001505 3.60202803
 -1.8196957
 3.56924146 -2.81524301 -0.49047814 -1.48627467 2.01726658 2.24452169
 4.82616378 2.24449143 1.27846452 -3.07782847]
 Sample 2137: [-0.08141515 1.00777649 0.54278665 3.61320091 3.60399454
 -1.812713
 3.57670136 -2.84315327 -0.46688783 -1.53834206 2.08247916 2.21371248
 4.73811317 2.22751786 1.28278271 -3.08706975]
 Sample 2138: [-0.05197062 0.95912055 0.52867338 3.66715895 3.54434135
 -1.90730816
 3.64093684 -2.6942557 -0.46026604 -1.56999659 1.99205846 2.14328375
 4.65125984 2.22062337 1.24058159 -3.00439956]
 Sample 2139: [-0.02444093 0.97943889 0.52203975 3.6609678 3.53334581
 -1.88538591
 3.67824394 -2.728227 -0.37137977 -1.52644032 1.96704489 2.17853597
 4.61739441 2.20704159 1.27748525 -2.99469034]
 Sample 2140: [0.03904513 0.94994433 0.53815536 3.62888423 3.53506526
 -1.82641952
 3.65866355 -2.74174309 -0.37448452 -1.45370228 2.00129788 2.20947399
 4.61301257 2.13761386 1.26379713 -3.03665391]
 Sample 2141: [0.04614796 0.98816116 0.54107923 3.67559285 3.50578873
 -1.84879443
 3.63358921 -2.77221553 -0.34020382 -1.4746381 1.98203468 2.25096787
 4.64004998 2.15305393 1.35342358 -3.0253034]
 Sample 2142: [0.11264489 0.95308218 0.54344555 3.72198093 3.5502612
 -1.82970973
 3.68330637 -2.7932453 -0.40126298 -1.46977076 1.99358049 2.26164149
 4.68592036 2.15512195 1.35896483 -3.01340573]

Sample 2143: [0.08720973 0.9746321 0.53043583 3.67780865 3.56646331
 -1.87176896
 3.64755046 -2.7170106 -0.43386071 -1.43319055 2.00734823 2.23182876
 4.65666318 2.16052489 1.37436275 -3.01395422]
 Sample 2144: [0.08216674 0.92629722 0.54806974 3.75254676 3.56039093
 -1.8896955
 3.66121967 -2.83130322 -0.3537806 -1.46248283 1.93475219 2.20500879
 4.62238847 2.19415689 1.44763691 -3.05662418]
 Sample 2145: [0.10601915 0.98350249 0.55529321 3.71292504 3.5323022
 -1.87023982
 3.75589401 -2.82945757 -0.32294378 -1.51996468 1.96976317 2.17272009
 4.69131481 2.18531991 1.51766558 -3.11930639]
 Sample 2146: [0.06882692 0.99961474 0.54353649 3.72758683 3.52365143
 -1.89198263
 3.82661483 -2.79012588 -0.31375888 -1.42824452 2.05356438 2.20716646
 4.70345091 2.18185043 1.49157439 -3.09387033]
 Sample 2147: [0.1458827 0.93981439 0.53969791 3.78447561 3.47875398
 -1.92253646
 3.83197957 -2.75518292 -0.3137296 -1.50139989 2.10403139 2.209183
 4.62873736 2.17802489 1.50706762 -3.06913184]
 Sample 2148: [0.15633996 0.96429214 0.55854553 3.73759975 3.47578584
 -1.88354846
 3.8205951 -2.77004346 -0.36057913 -1.40857407 2.13235775 2.21602041
 4.60242082 2.24002752 1.51365418 -3.11281955]
 Sample 2149: [0.11783676 0.95907551 0.53955313 3.85203558 3.41327358
 -1.82843223
 3.8068479 -2.78247965 -0.39346103 -1.3915113 2.10178801 2.3158842
 4.69219344 2.29543529 1.55876351 -3.10978409]
 Sample 2150: [0.09999112 0.92530379 0.54631063 3.83008074 3.47891114
 -1.86160177
 3.87311001 -2.7613563 -0.36233865 -1.34888642 2.1555492 2.34043767
 4.70731775 2.34558329 1.54012864 -3.18369981]
 Sample 2151: [0.13403791 0.95493441 0.54934417 3.80683174 3.52886538
 -1.83609763
 3.92753607 -2.81208082 -0.32365284 -1.37193671 2.18821939 2.3374543
 4.71440264 2.33219141 1.52418261 -3.17022102]
 Sample 2152: [0.10937685 0.96489498 0.5557108 3.80853829 3.56009255
 -1.86097116
 3.89249007 -2.88622641 -0.4310077 -1.37616894 2.17077176 2.34091145
 4.77534688 2.3487057 1.56465933 -3.33185058]
 Sample 2153: [0.14724144 0.9320564 0.56882571 3.7633215 3.45151971
 -1.82409749
 3.84832048 -2.90471594 -0.4864664 -1.36212847 2.17734396 2.38298148
 4.78458557 2.38107491 1.58112572 -3.33249901]
 Sample 2154: [0.12759949 0.96409444 0.58240846 3.80747176 3.40941506
 -1.82364454
 3.89065853 -2.91369927 -0.43246287 -1.42824005 2.08130548 2.29987119
 4.78864697 2.43767666 1.57680595 -3.35920393]

Sample 2155: [0.1501677 0.98230192 0.56614647 3.80773151 3.36244033
 -1.8480082
 3.89575907 -2.8807514 -0.41106995 -1.34265573 2.06976628 2.30486493
 4.86379773 2.54091829 1.56749619 -3.37888618]
 Sample 2156: [0.05380662 1.02306108 0.54866101 3.81730617 3.33395583
 -1.85714232
 3.8843285 -2.86654304 -0.36296555 -1.30021931 2.07389773 2.2685105
 4.86912595 2.52004249 1.55423738 -3.36136894]
 Sample 2157: [0.05721599 0.96462405 0.58262548 3.82608532 3.28753547
 -1.91966012
 3.89808178 -2.92963125 -0.4631391 -1.31263178 2.01429291 2.28901486
 4.87083543 2.55748102 1.59702844 -3.33777458]
 Sample 2158: [0.0911029 0.99561159 0.53773272 3.78964378 3.24724768
 -2.01354701
 4.00792766 -2.91365741 -0.49363535 -1.35954663 2.10295045 2.31004684
 4.88057033 2.63102942 1.52262905 -3.23300127]
 Sample 2159: [0.13463477 1.01897367 0.60977173 3.81302459 3.31880759
 -2.0009223
 3.97975877 -3.00159018 -0.47571109 -1.3246609 2.09217677 2.25429959
 4.86489823 2.65161444 1.48700892 -3.1418505]
 Sample 2160: [0.04818628 1.00613889 0.57371762 3.81697418 3.25841949
 -2.01162115
 3.98616949 -3.09132449 -0.41782557 -1.28449714 2.12817835 2.21696051
 4.87180901 2.60565239 1.45951251 -3.12641015]
 Sample 2161: [0.04109777 1.0927109 0.61014824 3.75226187 3.28114754
 -1.92589011
 4.02105807 -3.05085328 -0.49642541 -1.28807079 2.15849612 2.28435962
 4.84046706 2.64159928 1.35584026 -3.1537031]
 Sample 2162: [0.03500851 0.98044848 0.57962662 3.65508366 3.25946599
 -1.90653639
 3.99584982 -3.02264478 -0.45806157 -1.3906044 2.0970987 2.2627563
 4.90115618 2.64412845 1.36688421 -3.21049027]
 Sample 2163: [0.08307886 0.97662815 0.60241165 3.70379328 3.18137473
 -1.88321122
 4.01846176 -3.0406486 -0.40175534 -1.42073889 2.13634673 2.20459933
 4.83053366 2.66581137 1.37156557 -3.22285413]
 Sample 2164: [0.02644012 1.02244113 0.59966512 3.76713593 3.20141646
 -1.86817525
 4.01744787 -3.09473101 -0.48840674 -1.45573559 2.07695417 2.08544379
 4.86966037 2.67499809 1.35554788 -3.13863156]
 Sample 2165: [-0.07879879 1.02571431 0.60846995 3.75045563 3.14153269
 -1.88272119
 4.08579512 -3.10873669 -0.5633001 -1.43164589 2.07277038 2.07159109
 4.89745291 2.66698972 1.39294592 -3.10824899]
 Sample 2166: [-0.11036925 1.0807922 0.60442581 3.72330493 3.22016439
 -2.00355633
 4.11687488 -3.14999871 -0.55556818 -1.43447493 2.16754128 2.16099248
 4.94718317 2.68500521 1.43344012 -3.18463876]

Sample 2167: [-0.14150756 1.10558385 0.60830933 3.69417014 3.26518998
 -2.04317834
 4.14619608 -3.13123696 -0.47034239 -1.44311915 2.15729245 2.14312374
 4.96167802 2.72874259 1.52995201 -3.09966415]
 Sample 2168: [-0.01696252 1.09762798 0.62457275 3.61103555 3.31411917
 -1.96843538
 4.19213987 -3.20973249 -0.50568377 -1.47803204 2.10973257 2.13124594
 4.96923431 2.71041564 1.52567206 -3.08223048]
 Sample 2169: [-0.08790122 1.10906456 0.6203325 3.67556743 3.23207355
 -2.0434393
 4.23985928 -3.22396702 -0.47257352 -1.49726067 2.13591796 2.08182185
 5.03127351 2.67610367 1.58018869 -3.04756977]
 Sample 2170: [-0.09849729 1.14927519 0.61412096 3.62699845 3.21408967
 -2.00300438
 4.25779946 -3.16411471 -0.44485068 -1.52925618 2.07205275 2.09466966
 5.0841579 2.67805411 1.645354 -3.01172613]
 Sample 2171: [-3.46566993e-03 1.15162537e+00 6.36243790e-01 3.72673436e+00
 3.16950481e+00 -1.97152578e+00 4.23873310e+00 -3.25638902e+00
 -3.75408124e-01 -1.54177913e+00 1.99771288e+00 2.08438184e+00
 5.12865592e+00 2.71812236e+00 1.59576213e+00 -2.98342646e+00]
 Sample 2172: [0.01775165 1.12233494 0.6481566 3.78178175 3.25538794
 -1.9923197
 4.19850189 -3.30666225 -0.3979109 -1.54052632 2.0187621 2.11319263
 5.13779972 2.73221595 1.61922847 -2.86753578]
 Sample 2173: [0.03629225 1.094878 0.62982539 3.79748769 3.27916827
 -1.99091015
 4.2557047 -3.25698763 -0.3696786 -1.53726081 2.05648355 2.08467563
 5.16042849 2.80233169 1.66483459 -2.88550146]
 Sample 2174: [0.05633892 1.06427353 0.63588947 3.8031935 3.21463934
 -2.01997713
 4.27747401 -3.25537308 -0.30496149 -1.6053025 2.04191866 2.00995076
 5.20990582 2.80970064 1.64234292 -2.86061931]
 Sample 2175: [-0.02601581 1.05492893 0.62768467 3.81932859 3.3033755
 -2.00335564
 4.17957426 -3.27385197 -0.3032719 -1.62480571 2.07827083 1.99283601
 5.14005068 2.82285864 1.74805528 -2.74073133]
 Sample 2176: [0.02568371 1.076739 0.64030728 3.74420536 3.15442174
 -2.02034883
 4.15482217 -3.25336606 -0.41127414 -1.59336742 2.01229415 1.96517696
 5.17672136 2.7907995 1.72365018 -2.79691114]
 Sample 2177: [0.04559997 1.02188274 0.62343704 3.80822626 3.18881606
 -1.98348452
 4.13088012 -3.22947322 -0.44210719 -1.65906345 1.97935027 1.86669171
 5.21997656 2.84314575 1.70039413 -2.73083992]
 Sample 2178: [-0.04195636 1.06545021 0.63496661 3.90676983 3.19025006
 -2.06305608
 4.09872149 -3.23740431 -0.45086961 -1.65439215 1.98987959 1.87501133
 5.22033546 2.88550573 1.62291067 -2.67014659]

Sample 2179: [0.011632 1.09629143 0.62394512 3.84757269 3.13390744
 -2.00772054
 4.11519826 -3.23057301 -0.48728157 -1.75538909 1.88824512 1.88907522
 5.23889926 2.92573688 1.62516677 -2.69283977]
 Sample 2180: [0.0235402 1.01464412 0.63075141 3.92368254 3.1800619
 -2.0252943
 4.12880459 -3.22413796 -0.4376655 -1.78274105 1.95044057 1.84063454
 5.13482486 2.98294874 1.60620538 -2.72014152]
 Sample 2181: [-0.00847375 0.97461441 0.64753611 3.89073072 3.1572244
 -2.10077734
 4.06471646 -3.3050572 -0.51479896 -1.79164117 1.93698326 1.72009244
 5.09467381 3.07256183 1.56471185 -2.73850204]
 Sample 2182: [0.03483053 1.00941644 0.64288723 3.81815536 3.19244517
 -2.10398917
 4.07035578 -3.32245418 -0.45352617 -1.82035991 1.95060504 1.69941643
 5.05711165 2.9852483 1.46777253 -2.74216867]
 Sample 2183: [0.03360007 1.00445856 0.65696639 3.81857857 3.1536687
 -2.04603959
 4.14915215 -3.37038855 -0.48834782 -1.78649692 1.9054149 1.64506809
 5.09136335 2.94861536 1.45829806 -2.75496618]
 Sample 2184: [0.08502189 1.04687587 0.6524635 3.81658988 3.17299789
 -2.01428253
 4.17854344 -3.31753523 -0.44909928 -1.75858418 1.85827446 1.68693026
 5.15797099 2.92294868 1.47026127 -2.74643291]
 Sample 2185: [0.11968007 1.00185982 0.64155117 3.86936367 3.231243
 -1.92290297
 4.14237761 -3.25975207 -0.38379666 -1.73192285 1.82280912 1.75468684
 5.26055033 2.85668342 1.45179733 -2.80856169]
 Sample 2186: [0.02849821 1.04884208 0.63419735 3.89293455 3.19496956
 -1.89001585
 4.14215975 -3.29442244 -0.367101 -1.64887455 1.7552886 1.74239846
 5.16766513 2.83426233 1.45226827 -2.81584779]
 Sample 2187: [-0.05296268 1.07185936 0.62546713 3.90941752 3.24275858
 -1.89594853
 4.15366051 -3.2016185 -0.3690064 -1.5767822 1.76273911 1.73647059
 5.06019766 2.78706707 1.47539176 -2.80024158]
 Sample 2188: [-0.02801975 1.08248018 0.62762904 4.01203438 3.24856168
 -1.96563651
 4.09458644 -3.19879788 -0.35017051 -1.62057744 1.77985666 1.67428789
 4.98535241 2.68840086 1.50864436 -2.87377835]
 Sample 2189: [-0.06194465 1.00888425 0.62101833 3.96809289 3.19757193
 -1.94555211
 4.06379377 -3.19496572 -0.41444088 -1.6334101 1.82686308 1.668508
 5.0615494 2.60635382 1.53367698 -2.84068771]
 Sample 2190: [-0.02531801 1.0284153 0.60207681 3.92333674 3.20468738
 -1.95743373
 3.99870053 -3.18988962 -0.38484791 -1.60128046 1.79682925 1.63896589
 4.9851211 2.61241172 1.65563122 -2.84101166]

Sample 2191: [-0.06239703 0.98802917 0.62277817 3.96073937 3.23197693
 -1.92923861
 4.04115726 -3.15338675 -0.45579975 -1.52906836 1.70875131 1.69959929
 4.95536241 2.69781171 1.61387227 -2.80510842]
 Sample 2192: [-0.04028526 1.06208568 0.60072246 3.9557441 3.25843369
 -1.92428217
 4.00063361 -3.13897166 -0.41296688 -1.56741256 1.73584764 1.67282729
 4.94737998 2.64692784 1.52934181 -2.84732817]
 Sample 2193: [0.03342922 0.91523554 0.62137745 3.98085382 3.3519376
 -1.95758869
 4.07450979 -3.13435002 -0.45525763 -1.59052075 1.8037035 1.67406895
 5.00349635 2.62457342 1.56592932 -2.88510342]
 Sample 2194: [-0.03150712 1.0003295 0.60149925 4.00933074 3.35101734
 -1.97902253
 4.13600762 -3.133465 -0.54434904 -1.49347637 1.8344513 1.64602011
 5.04251461 2.5284282 1.4996828 -2.90738892]
 Sample 2195: [0.03171392 1.00615889 0.61794515 3.97171003 3.27283701
 -1.96730991
 4.09673896 -3.09266193 -0.5162621 -1.46508606 1.836429 1.61512721
 5.0170709 2.47870741 1.49265706 -2.91331831]
 Sample 2196: [0.00636738 1.00644164 0.5835092 3.96660301 3.30395141
 -1.93366907
 4.07050165 -3.04226675 -0.45497638 -1.38433484 1.85999255 1.52871698
 4.97344057 2.4285624 1.50189254 -2.88382075]
 Sample 2197: [0.00742871 0.96304169 0.58151185 3.95429318 3.32089031
 -2.01075873
 4.0311785 -2.97151465 -0.56186967 -1.37528684 1.92254865 1.60493671
 4.98214991 2.42091988 1.39455488 -2.82225287]
 Sample 2198: [0.0383324 1.04558145 0.55886167 3.89521904 3.33062172
 -2.02023459
 3.96603723 -2.97039837 -0.55532688 -1.35052415 1.86542689 1.5953323
 4.98672161 2.44500537 1.35442436 -2.83308078]
 Sample 2199: [0.0612248 1.00371841 0.59492037 3.94713808 3.25663913
 -1.99001618
 3.95868823 -2.9663527 -0.58001319 -1.39692177 1.80642397 1.53927539
 5.07996251 2.54116167 1.37017975 -2.79741147]
 Sample 2200: [0.03698817 0.9716761 0.55905941 3.97915128 3.25626847
 -1.99207666
 3.95439906 -2.98617253 -0.61960104 -1.4444822 1.79013494 1.46283262
 5.09287497 2.512002 1.3789902 -2.80894773]
 Sample 2201: [0.04215908 0.94607263 0.59919574 4.03694124 3.26287187
 -2.01747407
 3.88544404 -3.02164902 -0.64162257 -1.41073131 1.77039994 1.42359821
 5.08286045 2.52387414 1.38309601 -2.80919282]
 Sample 2202: [0.16473472 0.95771023 0.59512491 4.07578138 3.32932044
 -2.04519046
 3.85195576 -3.07845682 -0.64455598 -1.5139641 1.92115634 1.44320159
 5.07743273 2.580668 1.44686491 -2.75884269]

Sample 2203: [0.11248988 0.98159143 0.61956472 4.07564535 3.28312653
 -2.05583213
 3.8979856 -3.05369424 -0.63800031 -1.45566158 1.99300164 1.47279387
 5.00615918 2.5050575 1.53278269 -2.74830058]
 Sample 2204: [0.08502131 0.94304918 0.55935193 4.02980708 3.23636277
 -2.01011204
 3.92124462 -3.00318281 -0.59023459 -1.3495954 2.06455694 1.50705074
 5.00356711 2.46737764 1.60893453 -2.65238072]
 Sample 2205: [0.04543229 0.98557973 0.60905647 4.06357796 3.32186444
 -2.04944689
 3.91765989 -3.03856799 -0.62536498 -1.28729186 2.11504874 1.53819995
 5.03955867 2.51686231 1.62738454 -2.61539737]
 Sample 2206: [0.13075294 0.96056194 0.58642867 4.03541579 3.4475898
 -2.10724265
 3.90938973 -3.09313639 -0.6546585 -1.34867951 2.07032021 1.58276675
 5.02765966 2.59917597 1.63122288 -2.69555935]
 Sample 2207: [-0.03125578 0.96264409 0.63852727 4.00823173 3.35293953
 -2.15669227
 3.91202208 -3.19622886 -0.68192157 -1.39487645 2.04659258 1.61767188
 5.04835416 2.65583256 1.59616751 -2.69192816]
 Sample 2208: [-0.10035752 0.99739127 0.6173065 4.07427765 3.42049649
 -2.09289604
 3.92748724 -3.25986549 -0.68916598 -1.32821726 2.12365022 1.64691577
 5.07929379 2.70638622 1.59721502 -2.66360783]
 Sample 2209: [-0.08780724 1.05574957 0.65619708 4.05035878 3.38369188
 -2.04487014
 3.94856937 -3.26399343 -0.6387256 -1.3394659 2.14311831 1.67095891
 5.05918862 2.6159878 1.54094433 -2.67412102]
 Sample 2210: [-0.06805747 1.094854 0.62666228 4.07645935 3.33874203
 -2.03945862
 3.97809005 -3.29722618 -0.69148572 -1.32785096 2.15951525 1.59391261
 5.15931858 2.58182191 1.52523516 -2.71256519]
 Sample 2211: [0.01488548 1.09335005 0.64738952 4.07653057 3.37902193
 -2.11042145
 3.95870482 -3.23039459 -0.62651099 -1.32085865 2.14215959 1.62666606
 5.14553084 2.60381144 1.54679032 -2.65014638]
 Sample 2212: [-5.00347620e-03 1.06775352e+00 6.21338524e-01 4.04665488e+00
 3.35575250e+00 -2.23261131e+00 4.02281368e+00 -3.28489329e+00
 -5.99080175e-01 -1.26341118e+00 2.11893150e+00 1.72379565e+00
 5.18520735e+00 2.53255910e+00 1.51767608e+00 -2.63708300e+00]
 Sample 2213: [0.02710063 1.10052959 0.65099765 4.07699489 3.26880069
 -2.21881968
 3.97910914 -3.25058569 -0.69911933 -1.22229907 2.16417211 1.73079789
 5.13631988 2.54167288 1.55807178 -2.65452294]
 Sample 2214: [0.06110448 1.0909603 0.60597988 4.00370329 3.35041954
 -2.23530958
 3.9927574 -3.20666918 -0.64138809 -1.20689071 2.23300094 1.76578204
 5.09657907 2.58153499 1.51217087 -2.59850269]

Sample 2215: [0.00576899 1.05227793 0.63525799 3.98934053 3.3749035
 -2.25427119
 3.96227622 -3.17417461 -0.62219956 -1.18530888 2.26321237 1.71041051
 5.12252878 2.5771552 1.59220809 -2.68808401]
 Sample 2216: [-0.06062956 1.0183122 0.61267078 3.9841721 3.36772563
 -2.2998679
 4.02870581 -3.23214958 -0.70762199 -1.23444334 2.34652515 1.73506323
 5.28491702 2.58183878 1.64045481 -2.70358882]
 Sample 2217: [-0.06071538 1.07713455 0.61989801 4.01397229 3.42824359
 -2.28015185
 4.07359958 -3.19938589 -0.87638308 -1.27378023 2.41310104 1.70146415
 5.30331216 2.51375279 1.6526667 -2.77518667]
 Sample 2218: [-0.08319102 1.01286705 0.61886081 3.9756038 3.46339805
 -2.23453974
 4.00122864 -3.17290526 -0.87752324 -1.37803092 2.43735654 1.76005081
 5.26444466 2.48220593 1.67428403 -2.78839982]
 Sample 2219: [-0.07923552 1.09217002 0.63422946 3.9987977 3.44421689
 -2.23295698
 4.03771174 -3.26935686 -0.89127177 -1.31394912 2.49036886 1.74777735
 5.29939635 2.45062828 1.63174685 -2.82871765]
 Sample 2220: [-0.07927244 1.02410951 0.62575398 4.0705446 3.47653477
 -2.28580151
 4.08951766 -3.27973946 -0.93852496 -1.32207801 2.54498745 1.75073456
 5.28263749 2.52102516 1.58695617 -2.88382963]
 Sample 2221: [-0.06598238 1.06447257 0.64377033 4.00696 3.52521783
 -2.25482209
 4.11146628 -3.3499843 -0.96593592 -1.33856733 2.50135791 1.79531823
 5.25558821 2.47456064 1.5268386 -2.85738833]
 Sample 2222: [-0.05419269 1.07305149 0.66904139 4.01512265 3.4046371
 -2.33970479
 4.16181188 -3.368652 -0.84118852 -1.40374956 2.53371445 1.78815081
 5.21213226 2.51998174 1.46760872 -2.8590984]
 Sample 2223: [-0.0153036 1.04666653 0.64958662 4.01230569 3.37452722
 -2.35679859
 4.20416117 -3.45168635 -0.81828074 -1.40056157 2.53695603 1.9094313
 5.23184659 2.53971007 1.45667324 -2.87944285]
 Sample 2224: [-0.02002844 1.06443942 0.68175737 4.10341953 3.49373302
 -2.4248415
 4.18133673 -3.4280035 -0.76147618 -1.40988424 2.48053768 1.90514905
 5.26613408 2.51671841 1.40319836 -2.96376997]
 Sample 2225: [0.05500948 1.04607362 0.63687031 4.04802408 3.52130729
 -2.46260358
 4.18862795 -3.35753092 -0.70022377 -1.47286424 2.49317955 1.89510553
 5.22009087 2.5269485 1.51028473 -2.90757101]
 Sample 2226: [0.06972249 1.01569863 0.67534079 4.01670185 3.64922356
 -2.43508422
 4.25250777 -3.34569954 -0.66169604 -1.41149702 2.50841405 1.90673034
 5.19821899 2.5495128 1.48177723 -2.90734467]

Sample 2227: [0.04663405 1.06126123 0.63696916 4.00114772 3.54581727
 -2.50253902
 4.30905678 -3.42314819 -0.73332483 -1.34257631 2.56898585 1.8991974
 5.1510432 2.47779002 1.50308973 -2.94401002]
 Sample 2228: [-0.02487549 1.055318 0.66219308 4.0183028 3.43384942
 -2.52415539
 4.37341235 -3.36541896 -0.8718219 -1.23047833 2.58249852 1.94348001
 5.10324293 2.50383547 1.4495545 -3.00429458]
 Sample 2229: [-0.02520565 1.06567325 0.6556312 4.04750199 3.4123814
 -2.48576243
 4.30673913 -3.4143036 -0.95058634 -1.20740224 2.55944925 1.92479233
 5.08068553 2.51778829 1.44698075 -3.00148503]
 Sample 2230: [-0.0579712 1.06061315 0.67236455 4.10986578 3.41983267
 -2.51257368
 4.284843 -3.37189417 -0.81807783 -1.20752185 2.60093741 1.87510977
 5.04597005 2.50663977 1.4811474 -2.98722588]
 Sample 2231: [-0.00681952 0.9919528 0.65015783 4.13343246 3.38177577
 -2.55401116
 4.2905153 -3.35350052 -0.81550352 -1.18288589 2.65428961 1.85167633
 5.03897009 2.42868358 1.56586198 -3.02810107]
 Sample 2232: [0.04742714 1.06350324 0.67737493 4.07999489 3.43404104
 -2.56003793
 4.17719982 -3.39001997 -0.7844259 -1.16364846 2.64475993 1.90358114
 5.06547293 2.41682404 1.65782216 -2.95772406]
 Sample 2233: [-0.03744843 1.04019471 0.64747379 4.02991962 3.35854995
 -2.59981015
 4.07770723 -3.37866226 -0.82009538 -1.13936726 2.69981641 1.86837449
 5.04321096 2.36361894 1.70814049 -2.97189379]
 Sample 2234: [-0.02359685 1.0911548 0.68312168 4.13964593 3.3145159
 -2.64962428
 4.05071814 -3.41422334 -0.84311739 -1.17692972 2.76256542 1.91857067
 5.05693863 2.25452458 1.80045682 -2.91156171]
 Sample 2235: [-0.08473215 1.1044561 0.66991252 4.03938791 3.3180548
 -2.66868309
 4.06736164 -3.46600179 -0.86403285 -1.20362194 2.71216406 1.94676003
 5.0674892 2.3240876 1.73008753 -3.00926958]
 Sample 2236: [-2.93638551e-03 1.14020364e+00 6.72592200e-01 3.93024645e+00
 3.35918422e+00 -2.73333428e+00 4.17375456e+00 -3.39236662e+00
 -9.01808719e-01 -1.25251484e+00 2.70964841e+00 1.91527139e+00
 5.10497022e+00 2.28747347e+00 1.76841253e+00 -2.97121246e+00]
 Sample 2237: [-0.0461211 1.09439159 0.66460437 3.97972415 3.36970886
 -2.7127808
 4.20560298 -3.41390959 -0.84523378 -1.34013316 2.69249477 1.87015085
 5.0909074 2.27568085 1.84728036 -2.91302607]
 Sample 2238: [-0.0718898 1.09204131 0.67628312 4.00063918 3.36180079
 -2.73270553
 4.26013796 -3.42748791 -0.75571618 -1.35116327 2.76729736 1.96220959
 5.02921187 2.28026672 1.81029782 -2.91155405]

Sample 2239: [-0.11766162 1.12410433 0.65095499 4.09029352 3.37851502
 -2.80884429
 4.26781492 -3.40289962 -0.78027382 -1.30609139 2.74384605 2.00296204
 5.02020895 2.26507239 1.79369758 -2.8377295]
 Sample 2240: [-0.10865093 1.1410878 0.69848541 4.20028432 3.44618274
 -2.80968666
 4.32239928 -3.46446893 -0.60557418 -1.2699889 2.73094742 1.94463202
 5.01457613 2.24944706 1.75024169 -2.80532816]
 Sample 2241: [-0.09324539 1.06776559 0.65560779 4.23967212 3.4491864
 -2.7108917
 4.29296828 -3.42249045 -0.51282408 -1.26299957 2.74662302 2.01182962
 4.97517285 2.24394819 1.76128532 -2.82936915]
 Sample 2242: [-0.05912767 1.09844151 0.67917098 4.28095791 3.41993856
 -2.78006621
 4.33117744 -3.40738906 -0.5099946 -1.24682429 2.79808222 1.9274186
 4.98371808 2.27379026 1.72547018 -2.75866749]
 Sample 2243: [-0.05894138 1.16307257 0.64591052 4.21250161 3.47006228
 -2.69882501
 4.4070651 -3.35195695 -0.50655471 -1.15557654 2.85851178 1.8636286
 4.92852755 2.23356556 1.75733529 -2.77997347]
 Sample 2244: [-0.15201159 1.18543419 0.67587678 4.18348124 3.444397
 -2.72612534
 4.43580655 -3.43999775 -0.56580611 -1.13338198 2.89315291 1.9051149
 4.93908376 2.22133548 1.69455811 -2.78026473]
 Sample 2245: [-0.10447901 1.14945893 0.68082916 4.1822378 3.51167561
 -2.7539896
 4.40507095 -3.46019018 -0.57391136 -1.12466602 2.90028435 2.00223824
 4.93376521 2.21414039 1.73816447 -2.84435162]
 Sample 2246: [-0.0349852 1.10017098 0.69271213 4.20214198 3.53828934
 -2.73119926
 4.37725245 -3.5068753 -0.56942745 -1.14930353 3.00820457 2.02683169
 4.88728691 2.20510908 1.84915855 -2.88691396]
 Sample 2247: [2.19450837e-03 1.15619133e+00 6.70985660e-01 4.28272595e+00
 3.59754021e+00 -2.74052267e+00 4.38822461e+00 -3.48790274e+00
 -5.80375053e-01 -1.12691371e+00 2.98844657e+00 2.05416724e+00
 4.79270093e+00 2.06294911e+00 1.75282040e+00 -2.82064412e+00]
 Sample 2248: [0.06411599 1.11654686 0.68771399 4.27658956 3.62347815
 -2.74851176
 4.3660251 -3.49767962 -0.52391759 -1.13527916 2.96039461 2.15676586
 4.67162171 1.92925433 1.71633022 -2.84731593]
 Sample 2249: [0.01469365 1.13397767 0.66844376 4.26118766 3.56136083
 -2.78281852
 4.3714346 -3.41870298 -0.50265732 -1.14357285 2.97312799 2.20611445
 4.7042879 1.83588243 1.64936718 -2.83154874]
 Sample 2250: [0.00491463 1.23265551 0.66655901 4.25963793 3.59021469
 -2.7096212
 4.36258473 -3.442802 -0.4726465 -1.05959328 2.92983804 2.25910858
 4.73970645 1.78965419 1.54328367 -2.88056088]

Sample 2251: [0.00932413 1.17539138 0.67105385 4.19726974 3.6055978
 -2.70603898
 4.39551523 -3.46553096 -0.46120197 -1.05521965 2.86517667 2.32610647
 4.72076577 1.72360498 1.47490981 -2.88039138]
 Sample 2252: [0.09063053 1.15528026 0.68272018 4.19373517 3.54355327
 -2.68724606
 4.33502943 -3.47706265 -0.41247281 -1.0873878 2.9101935 2.34610102
 4.72949943 1.64105196 1.46184698 -2.87117235]
 Sample 2253: [0.08606985 1.10339224 0.70450676 4.18441448 3.56839934
 -2.64927174
 4.29830348 -3.56857514 -0.44773463 -1.12181036 2.82134128 2.38632426
 4.67898968 1.52730398 1.4273242 -2.91030888]
 Sample 2254: [0.14943917 1.13904861 0.67489202 4.13956797 3.59917594
 -2.60356468
 4.32539527 -3.57516716 -0.44940737 -1.14368506 2.73892332 2.48908266
 4.65459101 1.57748321 1.51460889 -2.86403467]
 Sample 2255: [0.13545303 1.1475562 0.71648616 4.21262735 3.61024658
 -2.53004139
 4.32012204 -3.65213453 -0.53801768 -1.13607546 2.79029044 2.51836194
 4.72622221 1.60555886 1.52661772 -2.79931316]
 Sample 2256: [0.11682297 1.1625057 0.71153622 4.15990171 3.6044827
 -2.55024668
 4.29289074 -3.67982399 -0.49668848 -1.10570171 2.74397948 2.42997881
 4.75203483 1.58254184 1.48274438 -2.78093187]
 Sample 2257: [0.11592257 1.15128072 0.73153083 4.19632298 3.62439962
 -2.5747318
 4.19582095 -3.68541963 -0.4888381 -1.0681505 2.67474506 2.41448962
 4.74756558 1.5829764 1.45870079 -2.8200557]
 Sample 2258: [0.0412302 1.10494748 0.71984889 4.20476459 3.65296353
 -2.49719776
 4.23759618 -3.65880195 -0.44520872 -1.07713127 2.60527999 2.38139655
 4.76226163 1.60472247 1.41057525 -2.78764024]
 Sample 2259: [0.0411019 1.11016043 0.701023 4.26197086 3.67346889
 -2.48363643
 4.29243911 -3.63531632 -0.48995864 -1.08157753 2.51718412 2.40733032
 4.79112907 1.55889311 1.35269169 -2.81413076]
 Sample 2260: [0.06863348 1.1202639 0.72767367 4.2877793 3.60615865
 -2.4977233
 4.25413202 -3.66093242 -0.41021623 -1.06709338 2.55815694 2.44708585
 4.74209743 1.62210911 1.44122 -2.84587715]
 Sample 2261: [0.01635176 1.1443231 0.69645396 4.24067928 3.62615229
 -2.48158566
 4.21779891 -3.61729548 -0.31652445 -1.05517868 2.57315505 2.52616845
 4.76276735 1.67054796 1.4875793 -2.85055357]
 Sample 2262: [0.14005442 1.11403448 0.7089568 4.19605359 3.56863484
 -2.44930643
 4.21972205 -3.60136281 -0.45170403 -1.06464286 2.56115413 2.55100378
 4.88948121 1.67542933 1.5105628 -2.95202625]

Sample 2263: [0.25791928 1.09311104 0.72750727 4.15352549 3.586016
 -2.46513155
 4.24485727 -3.64381781 -0.48887962 -1.07288582 2.60746784 2.55417977
 4.88213605 1.57638293 1.44951835 -2.99782143]
 Sample 2264: [0.22609487 1.10847192 0.72281226 4.14374372 3.69763472
 -2.44590132
 4.16781459 -3.63829206 -0.46753698 -1.06791529 2.47584712 2.54591797
 4.91807876 1.58167592 1.42778297 -2.88637899]
 Sample 2265: [0.21794244 1.16124777 0.72068686 4.11037853 3.69593186
 -2.46553717
 4.17782994 -3.64080738 -0.39655788 -1.06799856 2.48502983 2.52117408
 4.87959555 1.56630798 1.52653689 -2.90318373]
 Sample 2266: [0.23926793 1.17724103 0.7165203 4.09375206 3.70232595
 -2.43222665
 4.15811844 -3.54951116 -0.35467346 -1.1163909 2.56302814 2.49284353
 4.89130103 1.5260107 1.483326 -2.94115026]
 Sample 2267: [0.18180463 1.13700282 0.71619628 4.02965561 3.65465668
 -2.39854938
 4.1845367 -3.60654862 -0.34535031 -1.05635481 2.54207113 2.47058167
 4.89548009 1.41530934 1.33812222 -2.89982352]
 Sample 2268: [0.12949963 1.09063465 0.69559918 4.01066846 3.72572399
 -2.33851627
 4.21158711 -3.52475703 -0.28695425 -1.05418322 2.58228309 2.53056315
 4.88666922 1.3745034 1.31469062 -2.88433665]
 Sample 2269: [0.03727734 1.12863242 0.70227661 3.9529771 3.73216436
 -2.32125519
 4.21967269 -3.56870487 -0.33452387 -1.11617383 2.63622664 2.53807356
 4.96657748 1.34136437 1.26564706 -2.79390964]
 Sample 2270: [-0.02074668 1.11983086 0.68530133 3.89695897 3.74015229
 -2.27950872
 4.30250319 -3.54672407 -0.33911749 -1.04675908 2.66192969 2.45342692
 4.81991395 1.28025469 1.37125387 -2.76502078]
 Sample 2271: [0.0206611 1.11022924 0.70560951 3.84432502 3.76299268
 -2.30662596
 4.32831916 -3.46827494 -0.40029776 -1.07644011 2.6209384 2.42365024
 4.88190878 1.30775989 1.35793258 -2.80889088]
 Sample 2272: [0.09392857 1.14306658 0.66401104 3.83940492 3.81005855
 -2.33548978
 4.28743314 -3.48346569 -0.45994215 -1.02898795 2.65655822 2.45927851
 4.93551129 1.35132102 1.35068151 -2.83075615]
 Sample 2273: [0.09634058 1.10635856 0.65817524 3.84405402 3.78495165
 -2.42005853
 4.26244384 -3.41377192 -0.54961371 -1.06794432 2.70430072 2.5662138
 4.89139072 1.29600108 1.28423371 -2.8541351]
 Sample 2274: [0.17348798 1.12484476 0.67277238 3.841863 3.75739663
 -2.39439034
 4.22803862 -3.41083303 -0.58302124 -1.02736292 2.72396298 2.54610884
 4.93461432 1.29143429 1.31293591 -2.84909102]

Sample 2275: [0.20893358 1.13838971 0.68521948 3.85189709 3.76705022
 -2.34934277
 4.30656441 -3.42495901 -0.60634843 -1.01919712 2.65012726 2.55687739
 4.94846004 1.33508848 1.23196436 -2.96202533]
 Sample 2276: [0.18562857 1.10919094 0.67604553 3.81960908 3.76004745
 -2.38880955
 4.3106135 -3.45857665 -0.65833883 -0.97525346 2.67649591 2.5840638
 4.88994015 1.27770616 1.18281391 -2.95001025]
 Sample 2277: [0.19587928 1.12020295 0.68295838 3.82631412 3.81032042
 -2.43554268
 4.25314939 -3.46640546 -0.63777705 -1.04077431 2.56267371 2.62829379
 4.884731 1.29610369 1.11095849 -3.00735034]
 Sample 2278: [0.14161722 1.05491671 0.69328334 3.72886525 3.8429679
 -2.46432929
 4.22571717 -3.50974065 -0.51667258 -1.05836419 2.64818869 2.63648272
 4.92634032 1.38553407 1.09531493 -3.08143226]
 Sample 2279: [0.15328423 1.09363405 0.70134245 3.73877053 3.85269661
 -2.47611535
 4.24394199 -3.6532338 -0.54995419 -1.08375476 2.71892646 2.77395666
 4.8172163 1.3484912 1.18947765 -3.13679464]
 Sample 2280: [0.17977382 1.04574422 0.73372261 3.81203011 3.8268476
 -2.41614426
 4.1522185 -3.64916753 -0.58800123 -1.112589 2.75628558 2.80505078
 4.87317104 1.35325599 1.30343119 -3.0906177]
 Sample 2281: [0.14992161 1.0660822 0.69031813 3.83907382 3.78636601
 -2.46420027
 4.19379723 -3.6263973 -0.4846633 -1.15211234 2.78738722 2.83738143
 4.95034386 1.40013438 1.27509621 -3.10399913]
 Sample 2282: [0.13089559 1.08661542 0.73486239 3.79420276 3.77724914
 -2.48220188
 4.20015432 -3.70311697 -0.4384212 -1.14526809 2.80764966 2.81892761
 4.95675685 1.33304961 1.33207812 -3.21272305]
 Sample 2283: [0.15042569 1.05703969 0.72448795 3.76016294 3.74155527
 -2.41512484
 4.28757016 -3.70727659 -0.38644427 -1.09006277 2.84497234 2.9256534
 4.93599405 1.3647951 1.41742778 -3.23045862]
 Sample 2284: [0.19180617 1.11166792 0.7423315 3.85084678 3.72060329
 -2.34814286
 4.31806527 -3.71736456 -0.33646508 -1.09755303 2.84168627 2.95377151
 5.04808414 1.3760242 1.29263843 -3.21144236]
 Sample 2285: [0.23922556 1.17714536 0.75796673 3.73616055 3.67657611
 -2.34632444
 4.37469909 -3.76684317 -0.31273077 -1.07776376 2.8445785 3.00575466
 5.04028205 1.40627405 1.21607121 -3.24138507]
 Sample 2286: [0.16464706 1.12780451 0.73115673 3.80123836 3.67042177
 -2.30706671
 4.38406848 -3.76684472 -0.29415637 -0.99600909 2.82690659 2.97833027
 4.98746922 1.38340822 1.1667151 -3.168185]

Sample 2287: [0.22984165 1.07286145 0.76195217 3.85100786 3.6418719
 -2.31651501
 4.36133661 -3.77770545 -0.27174412 -1.01927244 2.80687548 2.88659388
 5.06902732 1.44520745 1.11452272 -3.24049842]
 Sample 2288: [0.21990941 1.16020005 0.76729902 3.91462767 3.58595442
 -2.34102602
 4.26362701 -3.84881768 -0.19873748 -0.94121179 2.81458665 2.86545688
 5.06583597 1.48765436 1.16377108 -3.18761583]
 Sample 2289: [0.1954741 1.10689597 0.78459272 3.90479025 3.56382834
 -2.42556472
 4.32567391 -3.88358165 -0.19399225 -0.97256823 2.77549133 2.8352527
 5.01224205 1.44853767 1.1548762 -3.25754483]
 Sample 2290: [0.16635568 1.09780037 0.74265262 3.86994407 3.5671932
 -2.46093169
 4.38350021 -3.78646644 -0.20298872 -0.96494034 2.77100642 2.83021045
 5.02618781 1.4020346 1.25001083 -3.1243103]
 Sample 2291: [0.19141514 1.15135996 0.74334373 3.87467913 3.53965729
 -2.47310035
 4.43155366 -3.73313486 -0.14737398 -0.94076212 2.82205264 2.84494694
 4.99343233 1.30772326 1.19325008 -3.14275972]
 Sample 2292: [0.29923492 1.10338345 0.73412801 3.9442168 3.4921971
 -2.46147719
 4.40020241 -3.70708931 -0.12229613 -0.84316497 2.83215912 2.77052182
 4.95937225 1.21226598 1.21175921 -3.17424536]
 Sample 2293: [0.20379777 1.12751504 0.71268295 3.87557342 3.48965133
 -2.47488047
 4.35545673 -3.60120647 -0.11446262 -0.86960109 2.74009127 2.83450683
 4.93762401 1.22750896 1.26495669 -3.25176171]
 Sample 2294: [0.23455719 1.12200799 0.72961343 3.88118515 3.50204487
 -2.45691395
 4.2846341 -3.64431866 -0.13650525 -0.86010064 2.66693557 2.82412302
 4.99715131 1.25544017 1.30225346 -3.22906764]
 Sample 2295: [0.20797956 1.12121826 0.7063938 3.94821449 3.44951393
 -2.44774886
 4.21081439 -3.64369345 -0.07343541 -0.79659957 2.54634997 2.86183056
 4.98159459 1.20206022 1.30909648 -3.18385926]
 Sample 2296: [0.31179076 1.12299164 0.74556705 3.85986937 3.48096932
 -2.52585252
 4.13642655 -3.66144553 -0.10787741 -0.76488985 2.53011921 2.88706201
 4.9430115 1.12441142 1.31113307 -3.19626755]
 Sample 2297: [0.24824632 1.03142412 0.73779725 3.8757767 3.4601586
 -2.49874243
 4.20938565 -3.65327579 -0.11380442 -0.78559597 2.48069746 2.91298515
 4.86395761 1.10578518 1.31894839 -3.19046253]
 Sample 2298: [0.20354901 1.16283989 0.70129849 3.84621322 3.52366458
 -2.40210006
 4.23963242 -3.62901915 -0.13587576 -0.79266448 2.57147593 2.89081638
 4.86802529 1.1478626 1.32390204 -3.0757284]

Sample 2299: [0.28069529 1.11229153 0.76026718 3.84558247 3.51452816
 -2.42114882
 4.27229951 -3.65991497 -0.11814768 -0.77317381 2.5922048 2.87272177
 4.91822833 1.13917515 1.37893838 -3.05253532]
 Sample 2300: [0.19974172 1.12144784 0.70271206 3.83239965 3.48094938
 -2.30520138
 4.28299917 -3.66813074 -0.22376133 -0.69288409 2.57644147 2.87993156
 4.74661175 1.21930978 1.43932216 -3.04473795]
 Sample 2301: [0.20944521 1.11841643 0.72105756 3.80886734 3.45478388
 -2.28146978
 4.30259443 -3.64423238 -0.23973804 -0.68469977 2.49090631 2.94176611
 4.73422145 1.20227895 1.37338016 -3.11765362]
 Sample 2302: [0.23454944 1.14381926 0.74700349 3.80997962 3.44961379
 -2.30966242
 4.26626804 -3.75478739 -0.14076788 -0.60564093 2.42473097 2.85042141
 4.70860095 1.26863051 1.34866244 -3.14608189]
 Sample 2303: [0.22702399 1.18762685 0.73151591 3.81861731 3.43921723
 -2.28710356
 4.30173941 -3.68906458 -0.24875602 -0.60487348 2.41726038 2.90213323
 4.6858958 1.33132436 1.27278146 -3.16366161]
 Sample 2304: [0.23509529 1.14468354 0.74613674 3.78439686 3.42870198
 -2.29356129
 4.29876365 -3.6977984 -0.24691352 -0.64051314 2.38860402 2.83267279
 4.60773553 1.29080898 1.33725384 -3.0341402]
 Sample 2305: [0.21743603 1.07271561 0.7223632 3.76584275 3.41381843
 -2.2596953
 4.26502848 -3.70283552 -0.18989977 -0.75630127 2.39671068 2.85469948
 4.74615124 1.23326475 1.37027512 -3.0664129]
 Sample 2306: [0.22445204 1.11444621 0.75545358 3.7394536 3.36531743
 -2.29766377
 4.32928787 -3.71417694 -0.1975485 -0.77498205 2.38202431 2.95930823
 4.76022558 1.26453406 1.38538082 -3.14021076]
 Sample 2307: [0.20982145 1.12366987 0.73020334 3.68060384 3.40071075
 -2.32969968
 4.41912422 -3.72284612 -0.12571117 -0.81489171 2.38144968 2.87867974
 4.76457856 1.33274611 1.39623147 -3.03927423]
 Sample 2308: [0.20494081 1.13422751 0.74493701 3.72089957 3.44580159
 -2.38051178
 4.45843193 -3.78272774 -0.13205061 -0.70888947 2.31707713 2.86667389
 4.71422722 1.2617559 1.46811831 -3.03932866]
 Sample 2309: [0.28038973 1.17722916 0.75117712 3.68797387 3.4127878
 -2.36022652
 4.46166714 -3.73251967 -0.04514544 -0.7171998 2.30934768 2.8656011
 4.6820926 1.24411764 1.45325177 -3.05041924]
 Sample 2310: [0.28385501 1.22741364 0.77868794 3.71062891 3.47070664
 -2.33321312
 4.42936839 -3.79247476 0.01354491 -0.69618028 2.38197192 2.88744111
 4.64419236 1.315118 1.47558501 -3.07935422]

Sample 2311: [0.25268899 1.16545274 0.77979153 3.76460318 3.48090736
 -2.31046094
 4.43090673 -3.85694784 0.02327869 -0.64797487 2.33796655 2.9130646
 4.69741349 1.25922836 1.41236095 -3.04676654]
 Sample 2312: [0.26621213 1.18057014 0.77708219 3.73171899 3.48675731
 -2.3579837
 4.39387068 -3.92280874 0.01738024 -0.63842585 2.3626796 2.89068561
 4.6346253 1.23850498 1.38372203 -3.04842615]
 Sample 2313: [0.25686354 1.21420542 0.78394631 3.66290612 3.48688618
 -2.33905495
 4.42295193 -3.88206231 -0.05780952 -0.5711551 2.3588224 2.90017247
 4.59649866 1.23536547 1.4167522 -3.11051202]
 Sample 2314: [3.19552534e-01 1.11567281e+00 7.98589996e-01 3.70281688e+00
 3.35390810e+00 -2.44798772e+00 4.42896273e+00 -3.91595662e+00
 -1.82453717e-03 -6.34796705e-01 2.40526162e+00 2.88336915e+00
 4.62456545e+00 1.22096933e+00 1.42570910e+00 -3.08524538e+00]
 Sample 2315: [0.23249615 1.21509364 0.79099164 3.69813372 3.33294397
 -2.38913623
 4.50618374 -3.90756041 0.01719706 -0.67645865 2.38336679 2.86097053
 4.67232155 1.19933252 1.46229908 -3.09453772]
 Sample 2316: [0.27430402 1.12215068 0.75650787 3.68921788 3.41794636
 -2.40733011
 4.51889527 -3.87500185 0.04185143 -0.70953626 2.39575597 2.85308667
 4.71251304 1.14994943 1.42510194 -3.11957404]
 Sample 2317: [0.28423038 1.17530194 0.81478661 3.59369235 3.37949942
 -2.40397512
 4.43226668 -3.93403597 -0.0503703 -0.70122711 2.44656218 2.89810767
 4.807616 1.15755134 1.48705662 -3.11958015]
 Sample 2318: [0.25077179 1.12165088 0.78587329 3.59552368 3.39413789
 -2.38167469
 4.38124625 -3.97015326 -0.00786865 -0.72892165 2.43599965 2.95253527
 4.84223907 1.20679756 1.50696106 -3.17658944]
 Sample 2319: [0.25077179 1.12165088 0.78587329 3.59552368 3.39413789
 -2.38167469
 4.38124625 -3.97015326 -0.00786865 -0.72892165 2.43599965 2.95253527
 4.84223907 1.20679756 1.50696106 -3.17658944]
 Sample 2320: [0.26287696 1.14625107 0.81249384 3.48115219 3.43351687
 -2.25802481
 4.40551414 -3.8653423 -0.02725701 -0.74698134 2.47828268 2.87706161
 4.90797225 1.24317175 1.5355696 -3.14250646]
 Sample 2321: [0.20879858 1.10753645 0.72822381 3.52177435 3.42202176
 -2.24823488
 4.42231856 -3.78902884 -0.01388713 -0.77565589 2.43769211 2.86327708
 4.87865882 1.17074316 1.5897154 -3.09322239]
 Sample 2322: [0.24574773 1.12932612 0.78464059 3.45094012 3.46586415
 -2.31531773
 4.41704136 -3.82188404 -0.03373801 -0.76692997 2.38204537 2.90559048
 4.88238894 1.14425916 1.59671452 -3.12291822]

Sample 2323: [0.22908336 1.16142251 0.75139797 3.3685996 3.48951189
 -2.34622136
 4.47399091 -3.86409748 -0.0158776 -0.71746819 2.37407664 2.92825924
 4.91055541 1.10909136 1.60743644 -3.13187154]
 Sample 2324: [0.28344 1.17079831 0.80896168 3.35097785 3.52275956
 -2.36214868
 4.4360437 -3.89671201 0.07938015 -0.68139441 2.27886818 2.83983729
 4.90532666 1.18949809 1.61710627 -3.10385387]
 Sample 2325: [0.22851819 1.13786137 0.77379632 3.34045671 3.4861967
 -2.42225994
 4.47841717 -3.95546766 0.03000812 -0.71507922 2.32006241 2.81972995
 4.91398165 1.24965015 1.69713543 -3.0876842]
 Sample 2326: [0.25274211 1.19936276 0.80268494 3.34096817 3.48635789
 -2.37745766
 4.44738888 -4.0005555 -0.0249999 -0.6804612 2.28787457 2.82514503
 4.8904978 1.24147103 1.7263264 -3.06403764]
 Sample 2327: [0.19912696 1.22299902 0.8130127 3.37442369 3.37930299
 -2.34466872
 4.46692264 -4.07273789 -0.03885802 -0.70334591 2.29269561 2.78470919
 4.92269277 1.21782646 1.70522855 -3.10145045]
 Sample 2328: [0.19072162 1.30399054 0.79219474 3.38247649 3.41520521
 -2.26574784
 4.52693683 -3.9864271 -0.00988338 -0.63098963 2.25465426 2.80073403
 4.90028245 1.20826339 1.7537697 -3.15841734]
 Sample 2329: [0.19715373 1.19166448 0.80264533 3.34230135 3.44070574
 -2.24594029
 4.58429451 -4.08421962 0.11699353 -0.58488948 2.27720683 2.69745078
 4.93719122 1.228876 1.70713841 -3.14852017]
 Sample 2330: [0.2337245 1.09510478 0.82016592 3.30650141 3.43839062
 -2.27834484
 4.57697315 -4.04983091 0.10303825 -0.54603264 2.26015956 2.65351614
 4.96702858 1.19546779 1.68880405 -3.19745061]
 Sample 2331: [0.15409186 1.1307972 0.78464601 3.18804716 3.41314911
 -2.08847989
 4.48706042 -4.01778562 0.06512221 -0.57562115 2.24029053 2.62317387
 5.0275924 1.19976946 1.60027667 -3.21269807]
 Sample 2332: [0.20169332 1.1553499 0.82607613 3.14002896 3.43055416
 -2.06527347
 4.45786993 -4.05855449 0.12680207 -0.63223813 2.21776404 2.65884025
 5.0423655 1.15585311 1.61156792 -3.15206691]
 Sample 2333: [0.19233236 1.14323063 0.80664046 3.21445572 3.49660346
 -2.11907609
 4.38631161 -4.04768065 0.06927376 -0.61987294 2.19541871 2.65071055
 5.04810358 1.1633967 1.51561224 -3.15275736]
 Sample 2334: [0.17456342 1.15416122 0.79537837 3.31344532 3.53783596
 -1.9779065
 4.42408457 -3.97225223 0.13900741 -0.629547 2.16120719 2.60131405
 5.08189682 1.0806791 1.44661818 -3.0714826]

Sample 2335: [0.2049386 1.18724562 0.81665213 3.33837527 3.52074673
 -2.0371475
 4.47033098 -3.9808084 0.09467725 -0.61767143 2.15017925 2.53120701
 5.05215907 1.063686 1.46125812 -3.05059859]
 Sample 2336: [0.21540718 1.0893029 0.79720891 3.28727203 3.51972275
 -1.99362731
 4.51878557 -4.02272736 0.1955127 -0.61672384 2.12992035 2.52706558
 5.01481437 1.09823346 1.41696229 -2.99375212]
 Sample 2337: [0.14902363 1.1070011 0.79405126 3.25905376 3.4937715
 -1.99459184
 4.49454762 -3.95497063 0.25447371 -0.57603746 2.14717661 2.52522747
 4.92565583 1.13867537 1.43834128 -2.90755805]
 Sample 2338: [0.15640633 1.18799653 0.77910564 3.22171681 3.62504993
 -2.05431534
 4.52531169 -3.97026823 0.23562635 -0.57433373 2.1472319 2.54986614
 4.9073087 1.17270176 1.40776934 -2.97083738]
 Sample 2339: [0.18051783 1.14604188 0.75561102 3.24660287 3.7065691
 -2.07783669
 4.53637289 -3.90584333 0.28331352 -0.62057867 2.13338681 2.53439007
 4.95300912 1.18032073 1.47877628 -2.97307888]
 Sample 2340: [0.16994267 1.20597028 0.77899082 3.20292702 3.73832037
 -2.03548093
 4.57040711 -3.870011 0.27572164 -0.60326972 2.18915996 2.58158597
 4.92444108 1.21501417 1.50575048 -3.03252573]
 Sample 2341: [0.20183913 1.2182949 0.77711498 3.17364384 3.69947568
 -2.0763862
 4.60596533 -3.8858275 0.33150422 -0.60900448 2.18423464 2.55466629
 4.88853459 1.16967855 1.55896779 -3.05417642]
 Sample 2342: [0.16671024 1.25544328 0.75971494 3.25721205 3.81737321
 -1.9703372
 4.66832766 -3.87598507 0.40342225 -0.57181111 2.08768206 2.51658606
 4.89937559 1.18422779 1.57420917 -3.00506133]
 Sample 2343: [0.20177194 1.25678047 0.76389219 3.25791947 3.86922638
 -2.05443506
 4.69654202 -3.81548096 0.3763646 -0.64924456 2.13057187 2.56940829
 4.91959191 1.16217378 1.63107814 -3.00226916]
 Sample 2344: [0.18293947 1.20951374 0.75109224 3.2346543 3.82642463
 -2.05989559
 4.72071648 -3.77080144 0.39806023 -0.66409343 2.0579998 2.57262576
 4.90742464 1.16159854 1.69380683 -2.90866846]
 Sample 2345: [0.1209864 1.22669438 0.74772297 3.23308188 3.78722279
 -2.08125257
 4.63857052 -3.78775493 0.48132352 -0.62744581 1.91212844 2.55845982
 4.92658263 1.17664537 1.69260561 -2.869517]
 Sample 2346: [0.10436705 1.24469591 0.74190524 3.18363333 3.82524613
 -2.11094566
 4.64355795 -3.8647868 0.50184245 -0.62583934 1.84091887 2.6455116
 4.95571148 1.16950983 1.69714924 -2.86532398]

Sample 2347: [0.0665149 1.14229472 0.77097119 3.15857449 3.8458165
 -2.07167156
 4.66162658 -3.84637324 0.52891869 -0.63248315 1.81140695 2.70242196
 4.98449382 1.17304613 1.70731003 -2.89534058]
 Sample 2348: [0.03159596 1.18744624 0.75592036 3.22917093 3.80824897
 -2.0885576
 4.65816386 -3.8969497 0.51312619 -0.61904961 1.80504615 2.71098272
 4.99832805 1.17029799 1.7271146 -2.99101606]
 Sample 2349: [0.1535612 1.13824738 0.74807594 3.30495649 3.80050176
 -2.093333
 4.60700235 -3.89983109 0.44968726 -0.57324029 1.85171134 2.71006421
 4.93835609 1.17201804 1.77703044 -2.99563431]
 Sample 2350: [0.02581317 1.16129694 0.7605434 3.35772411 3.70593757
 -2.05337334
 4.63676748 -3.94408861 0.48311197 -0.6513164 1.88587624 2.72222345
 4.93779982 1.25805748 1.75445767 -3.02294195]
 Sample 2351: [0.01619143 1.16681538 0.76517516 3.37002184 3.75868605
 -2.06051116
 4.6893677 -3.91381592 0.50222807 -0.70341621 1.92097216 2.77759709
 4.99289523 1.21779929 1.73268061 -2.99043406]
 Sample 2352: [-0.02201374 1.21510161 0.72847939 3.3343768 3.67016841
 -2.03122628
 4.71055008 -3.8213354 0.55767601 -0.64707083 1.95146932 2.80215632
 5.00609623 1.24666769 1.74343497 -2.9705113]
 Sample 2353: [-0.04156691 1.26586511 0.74867273 3.41899112 3.71723494
 -2.017556
 4.63148608 -3.78317197 0.55571932 -0.63418069 2.01724257 2.77961319
 4.96504068 1.17620669 1.78814441 -2.94739855]
 Sample 2354: [-0.05161597 1.23080855 0.73545755 3.46541338 3.69888605
 -2.15306889
 4.62636539 -3.85090233 0.54340467 -0.67968278 1.96520092 2.88979005
 4.9834889 1.19661149 1.75591094 -2.91152265]
 Sample 2355: [-0.09620014 1.20387908 0.76986614 3.38601678 3.77046836
 -2.18345845
 4.59073371 -3.84650879 0.64470215 -0.68336675 1.95668152 2.97906837
 4.93153096 1.24759081 1.73652863 -2.91224364]
 Sample 2356: [-0.08606846 1.24984735 0.75237551 3.32151096 3.77170737
 -2.21948801
 4.63112056 -3.89964863 0.58967543 -0.68019269 2.00680916 3.0189097
 4.90835291 1.3076284 1.7430448 -2.91314337]
 Sample 2357: [-0.05399441 1.23598812 0.78137652 3.26938591 3.78079486
 -2.12013391
 4.60590571 -3.94284468 0.5003147 -0.60235058 1.93930434 3.01270002
 4.88348891 1.26914384 1.79764872 -2.82124811]
 Sample 2358: [-0.03896562 1.19661503 0.76818897 3.31421218 3.79225159
 -2.14920569
 4.61162031 -3.95391188 0.46331734 -0.55706627 1.95336455 3.05865642
 4.90141234 1.26323799 1.82729612 -2.86176634]

Sample 2359: [-0.05549285 1.27450217 0.76577901 3.24711768 3.89708628
 -2.07795045
 4.72421278 -3.94538918 0.45607936 -0.5819569 2.00990856 3.00244706
 4.89451419 1.20166023 1.79342958 -2.8532279]
 Sample 2360: [-0.136062 1.28424824 0.78936018 3.30439838 3.77243857
 -2.06476327
 4.70653292 -4.00781209 0.48333908 -0.55638644 1.87523458 3.07146331
 4.88244739 1.24777888 1.8334549 -2.81615747]
 Sample 2361: [-0.06548577 1.32412316 0.79257483 3.31243071 3.87290445
 -2.06340366
 4.71985503 -3.993512 0.54029464 -0.58382207 1.82860981 3.08925212
 4.88407908 1.24656337 1.90199601 -2.77323438]
 Sample 2362: [-0.09844005 1.33716072 0.74222652 3.40432141 3.89267622
 -2.08261516
 4.71017445 -3.93740861 0.59893346 -0.59639591 1.73965633 3.2048311
 4.85250778 1.25141539 1.92500283 -2.7353851]
 Sample 2363: [-0.06071711 1.28894736 0.76714812 3.47190989 3.87640741
 -2.09022257
 4.7473506 -3.87899768 0.62237104 -0.5607785 1.77487854 3.26152076
 4.96923966 1.26245844 1.99823944 -2.84418716]
 Sample 2364: [-0.05399792 1.34660306 0.7496002 3.48991549 3.90214131
 -2.01776109
 4.73407811 -3.83596405 0.56793 -0.49228307 1.74721071 3.26409214
 5.00921215 1.19264206 1.9396519 -2.83308398]
 Sample 2365: [-0.03763183 1.3655507 0.7403973 3.48604664 3.894453
 -2.02328987
 4.82612511 -3.80847005 0.53839839 -0.54685599 1.76511305 3.26592379
 5.02941912 1.17175155 1.91745079 -2.80221176]
 Sample 2366: [-0.0476179 1.34303262 0.763315 3.46730256 3.80994941
 -1.95224319
 4.81699002 -3.86087256 0.66846602 -0.55319951 1.83831771 3.29699523
 5.08365906 1.17857289 1.85201708 -2.82308932]
 Sample 2367: [-0.04868165 1.26460334 0.75302983 3.42468673 3.75127183
 -1.96431303
 4.89364948 -3.89525091 0.66775474 -0.54387275 1.84412453 3.28461367
 5.0409398 1.16682671 1.83637417 -2.77298711]
 Sample 2368: [0.01789232 1.30673466 0.7628381 3.36324698 3.77296485
 -1.95352748
 4.8597594 -3.81752559 0.58611967 -0.53489106 1.79222596 3.30125646
 5.12910409 1.12688452 1.76944837 -2.71563399]
 Sample 2369: [-0.01905977 1.31810157 0.71756431 3.37598633 3.67483457
 -1.92750341
 4.83777318 -3.7175607 0.55546483 -0.58306716 1.83710272 3.31419727
 5.13407233 1.13851524 1.75510091 -2.7683497]
 Sample 2370: [-0.11163159 1.34051818 0.70149243 3.38857052 3.65221301
 -1.98326981
 4.79470021 -3.67869923 0.60005669 -0.60332518 1.86697036 3.26644661
 5.10739234 1.1555824 1.73338253 -2.76974113]

Sample 2371: [0.01463788 1.33992811 0.72102806 3.39027042 3.69297605
 -2.00086584
 4.78443847 -3.66021737 0.61072931 -0.57938678 1.91047756 3.26091264
 5.04420437 1.08545107 1.74745379 -2.736987]
 Sample 2372: [-0.00876257 1.36430593 0.71189196 3.40126671 3.68146243
 -1.95452433
 4.75550535 -3.66162013 0.64623252 -0.60020383 1.88345145 3.24437875
 4.98976993 1.06737022 1.71436103 -2.67376163]
 Sample 2373: [0.01355097 1.34702363 0.7285877 3.38633566 3.63436286
 -1.9163255
 4.81006241 -3.73683581 0.67058685 -0.60900064 1.90929225 3.24666243
 5.02514716 1.12472738 1.66404905 -2.65305687]
 Sample 2374: [0.08407829 1.32348905 0.74342048 3.44915523 3.6167355
 -1.93046335
 4.83535234 -3.78412947 0.65000987 -0.59801149 1.89117222 3.23366625
 5.02369661 1.07151259 1.54358334 -2.64023898]
 Sample 2375: [0.02614799 1.35504462 0.72778746 3.44654426 3.67249151
 -1.88781304
 4.8374563 -3.79154528 0.63112068 -0.60443608 1.83953791 3.13470213
 4.99103585 1.03422784 1.56423335 -2.69585864]
 Sample 2376: [0.02723485 1.38685527 0.78004662 3.38062411 3.65220795
 -1.83935349
 4.88324303 -3.8445839 0.61707801 -0.58760665 1.79294827 3.10728493
 4.97446158 1.05702705 1.59009132 -2.73769093]
 Sample 2377: [0.08455872 1.37314123 0.72767081 3.34115484 3.61335676
 -1.82583969
 4.92744546 -3.8592272 0.6342961 -0.68425124 1.81054647 3.12501424
 5.00919319 1.08706282 1.57035514 -2.72531835]
 Sample 2378: [0.02531414 1.3286258 0.76869602 3.30721362 3.61330933
 -1.87502124
 4.98789179 -3.90822622 0.57784284 -0.755757 1.83899673 3.1300794
 5.01696324 1.05741909 1.58809976 -2.69658376]
 Sample 2379: [-0.0359391 1.28845163 0.75800576 3.26261353 3.57633489
 -1.97682747
 4.99889819 -3.84140971 0.48665045 -0.7760322 1.87729212 3.17796737
 5.05942783 1.05738422 1.56392828 -2.77182065]
 Sample 2380: [-0.038634 1.38643943 0.7477517 3.23099551 3.55989596
 -1.97954718
 4.94152229 -3.78901014 0.48591167 -0.7855853 1.80949911 3.1381926
 5.14214241 1.00864818 1.53786008 -2.73157329]
 Sample 2381: [0.05374018 1.32986685 0.70184141 3.23220093 3.62343287
 -1.98057284
 4.94613957 -3.71144151 0.52716452 -0.82690267 1.87812161 3.1119154
 5.13405669 1.02149258 1.56087365 -2.71097753]
 Sample 2382: [-0.01643189 1.26255929 0.76186773 3.22300441 3.5958791
 -1.99441448
 4.9685358 -3.75243926 0.62348392 -0.82481676 1.80717211 3.06101597
 5.09790424 0.90956951 1.58383973 -2.71286616]

Sample 2383: [-0.03791966 1.37562121 0.72085159 3.23564936 3.54272235
 -2.04260266
 4.98979221 -3.76246148 0.55673062 -0.90694206 1.75457549 3.14847506
 5.03396369 0.86861295 1.54583916 -2.73912774]
 Sample 2384: [1.69440559e-03 1.33803918e+00 7.38101634e-01 3.20793536e+00
 3.70190030e+00 -2.08720208e+00 5.01717715e+00 -3.74897058e+00
 5.44658622e-01 -9.39456242e-01 1.71428581e+00 3.04944929e+00
 4.94824934e+00 8.27444577e-01 1.47880160e+00 -2.83246846e+00]
 Sample 2385: [0.01927387 1.35991235 0.73461905 3.22799033 3.67689837
 -2.22699729
 5.06537303 -3.74794843 0.55591367 -0.82139403 1.66081407 3.15128383
 4.98317949 0.83338964 1.48354671 -2.79616843]
 Sample 2386: [0.0435608 1.44612713 0.7223001 3.27417649 3.61232902
 -2.23894618
 5.06793185 -3.71694031 0.54897258 -0.87416549 1.63491572 3.14458682
 4.99512864 0.76475729 1.45589935 -2.69485425]
 Sample 2387: [-0.01594334 1.33716769 0.7247741 3.20463728 3.63519734
 -2.17496835
 5.07493643 -3.66212867 0.52400861 -0.8906118 1.59472616 3.13203486
 5.03164303 0.75398506 1.44303477 -2.74602881]
 Sample 2388: [-0.09193872 1.28667431 0.71048092 3.16043095 3.67857675
 -2.18533651
 4.9401031 -3.69879287 0.50471269 -0.88188839 1.65319212 3.06948302
 5.01378392 0.7482689 1.46534063 -2.78736636]
 Sample 2389: [-0.07369419 1.28902579 0.73082249 3.19290756 3.65504502
 -2.26619661
 4.9189924 -3.70195882 0.51344708 -0.90465488 1.69289064 3.07859573
 5.10695585 0.76979324 1.47489238 -2.76947602]
 Sample 2390: [-0.13616854 1.2755451 0.7214188 3.21771326 3.6424598
 -2.32203381
 4.94278267 -3.7057542 0.4864247 -0.9165113 1.70696258 3.08188807
 5.17669317 0.77621148 1.44622507 -2.69451246]
 Sample 2391: [-0.09955463 1.32597294 0.72112843 3.14394061 3.60118702
 -2.36305374
 4.84943499 -3.6824513 0.46447278 -0.83515255 1.6489517 3.07106733
 5.13707843 0.80680281 1.51496619 -2.64350141]
 Sample 2392: [-0.13289163 1.30110022 0.7242609 3.14208241 3.61462724
 -2.40318719
 4.77426916 -3.7503718 0.42368012 -0.84631591 1.66846051 3.0821166
 5.17465019 0.81824854 1.51457286 -2.5933794]
 Sample 2393: [-0.12987347 1.23124623 0.75223237 3.18361208 3.63798137
 -2.44705034
 4.6916123 -3.81852684 0.4872579 -0.87088674 1.70126462 3.06876091
 5.12426033 0.78401822 1.48130806 -2.61787406]
 Sample 2394: [-0.03131347 1.32800524 0.73006514 3.22144575 3.71592499
 -2.40747525
 4.81606847 -3.79557935 0.53167521 -0.84772497 1.68350349 2.99676404
 5.07550251 0.75422733 1.51939086 -2.62257472]

Sample 2395: [-0.03113895 1.30298419 0.75022726 3.18537442 3.70780637
-2.44446628
4.70571358 -3.79806681 0.54896464 -0.91684763 1.72980506 2.98158506
5.12012467 0.76214283 1.53269439 -2.58595675]

Sample 2396: [6.76407061e-04 1.32595906e+00 7.22113383e-01 3.15659277e+00
3.78066839e+00 -2.51768995e+00 4.68856878e+00 -3.75075295e+00
5.69435735e-01 -9.16905248e-01 1.75136714e+00 2.90555587e+00
5.13400639e+00 7.50465561e-01 1.60634974e+00 -2.58575381e+00]

Sample 2397: [-3.31998204e-03 1.33769497e+00 7.24780913e-01 3.13488333e+00
3.79612820e+00 -2.45824163e+00 4.64656128e+00 -3.71880995e+00
5.69033252e-01 -9.39314092e-01 1.80363254e+00 2.89402024e+00
5.15877746e+00 7.24251935e-01 1.66156254e+00 -2.51844085e+00]

Sample 2398: [0.06896117 1.31020293 0.72832202 3.12442766 3.78822796
-2.48192669
4.69025082 -3.68101791 0.52399137 -1.04096263 1.91478987 2.93258863
5.12637585 0.69996403 1.68061865 -2.56165896]

Sample 2399: [0.04648169 1.26739091 0.69094911 3.10966011 3.82700695
-2.5179637
4.65422637 -3.5997558 0.46504893 -0.99138944 1.90034742 2.89981377
5.10338983 0.64784703 1.64845932 -2.71583597]

Sample 2400: [1.36687111e-03 1.26042778e+00 7.35907967e-01 3.07891151e+00
3.84231734e+00 -2.48437560e+00 4.67661842e+00 -3.69074519e+00
5.32681768e-01 -9.77713478e-01 1.93055266e+00 2.78910197e+00
5.15037329e+00 7.42820402e-01 1.64771006e+00 -2.76991238e+00]

Sample 2401: [-0.00663327 1.26298335 0.71543976 3.07433662 3.86682784
-2.44703449
4.59886257 -3.69721985 0.34340688 -1.05591537 1.85556727 2.83862001
5.14826015 0.75832408 1.64459369 -2.77262037]

Sample 2402: [-0.11241716 1.25299931 0.71535815 3.14275448 3.90278262
-2.38812115
4.6473379 -3.68760926 0.34624592 -1.05476113 1.91380689 2.93412221
5.09290929 0.7533099 1.67803144 -2.78519132]

Sample 2403: [-0.13432659 1.28344318 0.71144577 3.0705914 3.87627673
-2.39598175
4.65306899 -3.61223039 0.4167854 -0.99802119 1.95548686 3.04740187
5.12034032 0.76333913 1.68455989 -2.85050037]

Sample 2404: [-0.15136703 1.28777725 0.68826789 3.02344378 3.96061714
-2.41264067
4.77664371 -3.5527849 0.38797585 -0.94923574 1.92056735 3.04638405
5.12304736 0.74413015 1.74545259 -2.92444004]

Sample 2405: [-0.16702431 1.31600021 0.69109395 2.96437205 3.88857956
-2.43202651
4.79855079 -3.58231526 0.31889293 -0.87515076 1.95161561 3.03557412
5.15715762 0.76637438 1.79738742 -2.94485551]

Sample 2406: [-0.20854255 1.29935255 0.69168022 3.04763862 3.91713969
-2.45563335
4.74030331 -3.52252644 0.30969577 -0.88873852 1.95769117 2.98945328
5.19716782 0.78861327 1.76271932 -2.98669315]

Sample 2407: [-0.15680593 1.27930007 0.67725119 3.15574663 3.87561592
 -2.48751101
 4.67940743 -3.50406379 0.37454518 -0.87798551 1.94877582 2.96856654
 5.16219691 0.72903407 1.6896854 -3.01108928]
 Sample 2408: [-0.14351406 1.15951519 0.68195632 3.10183653 3.80715122
 -2.40190573
 4.67945266 -3.46385175 0.45628512 -0.82650472 1.97781547 2.86691135
 5.14170995 0.65750809 1.67433177 -3.03953511]
 Sample 2409: [-0.12330493 1.25584521 0.67707566 3.09051662 3.85016581
 -2.44332691
 4.67904569 -3.50236935 0.49992051 -0.89242088 2.03348681 2.86866455
 5.17710192 0.69116568 1.68796841 -2.94357439]
 Sample 2410: [-0.13538543 1.25266265 0.69284334 3.18554731 3.75317552
 -2.3035456
 4.64686916 -3.5092653 0.47445873 -0.9247764 2.14837312 2.8544917
 5.13235611 0.69736734 1.64714643 -2.87401546]
 Sample 2411: [-0.09627831 1.31770909 0.69303427 3.17429254 3.77281035
 -2.23984737
 4.63112424 -3.58477288 0.44907237 -0.87351144 2.09999436 2.88043188
 5.11620838 0.66668597 1.63550173 -2.91347615]
 Sample 2412: [-0.06070863 1.25114047 0.69972222 3.10934964 3.7135085
 -2.3525158
 4.7160336 -3.59106099 0.37747123 -0.93829008 2.12382968 2.76429771
 5.20829533 0.6025158 1.59894717 -2.95193587]
 Sample 2413: [-0.04108685 1.27421203 0.72331662 3.10348889 3.67702675
 -2.32207202
 4.72390743 -3.67351358 0.47867267 -0.92895396 2.16030282 2.78728549
 5.19319385 0.59173553 1.53607687 -2.92230027]
 Sample 2414: [-0.19694067 1.25472167 0.70316642 3.1382755 3.63578277
 -2.31247472
 4.69425202 -3.66837972 0.46716255 -0.87482339 2.19017403 2.80901541
 5.14928494 0.6286867 1.63058964 -2.95869153]
 Sample 2415: [-0.09174491 1.30294934 0.72204556 3.20992581 3.58047787
 -2.36230211
 4.77589907 -3.62842909 0.45009173 -0.86571664 2.17385753 2.83966051
 5.17791467 0.64876159 1.6246316 -2.93552617]
 Sample 2416: [-0.11392356 1.25945463 0.69945638 3.18368838 3.53662105
 -2.28999123
 4.78557233 -3.62791537 0.41163178 -0.8376261 2.09114159 2.79174691
 5.25285979 0.70118833 1.56970453 -2.92332133]
 Sample 2417: [-0.06326663 1.25553801 0.74208716 3.15872359 3.45338157
 -2.33781249
 4.72680654 -3.69822858 0.38897073 -0.8824333 2.080042 2.82148155
 5.29821526 0.71063079 1.62219889 -2.96069725]
 Sample 2418: [-0.11776742 1.16861667 0.69841527 3.15907735 3.42817315
 -2.26739888
 4.75407291 -3.72842501 0.43265626 -0.78914819 2.02877821 2.83601283
 5.27428384 0.75927728 1.67856746 -2.93369388]

Sample 2419: [-0.09903122 1.21406347 0.72029424 3.20526859 3.43020533
 -2.36661932
 4.71999836 -3.7011004 0.32901357 -0.82247296 2.01645626 2.84841694
 5.22990123 0.80399721 1.73876395 -2.96961755]
 Sample 2420: [-4.08996440e-03 1.25560122e+00 7.20907024e-01 3.15192443e+00
 3.48387494e+00 -2.32741817e+00 4.62627945e+00 -3.67491815e+00
 3.40241946e-01 -8.08876301e-01 2.03070098e+00 2.82571064e+00
 5.24108912e+00 8.77945924e-01 1.67583672e+00 -3.00877616e+00]
 Sample 2421: [0.05765793 1.15925758 0.69694872 3.14155282 3.45185057
 -2.31214453
 4.59329941 -3.56936834 0.35517964 -0.82132232 1.97643451 2.8706252
 5.21525671 0.84407269 1.6877542 -3.0169271]
 Sample 2422: [-0.04481187 1.18546128 0.68630045 3.17976273 3.40631146
 -2.35228295
 4.63997718 -3.60581985 0.40817356 -0.71656484 1.99569868 2.8650865
 5.23926206 0.87165676 1.79773234 -3.07633683]
 Sample 2423: [-0.04804279 1.13829595 0.71440029 3.15596583 3.3863642
 -2.362422
 4.62600648 -3.59280179 0.36950653 -0.71392364 2.01917662 2.79396443
 5.27774357 0.99039801 1.68246281 -3.06121153]
 Sample 2424: [-0.1008104 1.13042923 0.70439793 3.20328949 3.39346267
 -2.37590696
 4.66617322 -3.59452243 0.38438626 -0.69190486 2.00822882 2.74163711
 5.21771658 1.03579125 1.68973007 -3.05578172]
 Sample 2425: [-0.14408962 1.24269605 0.69374817 3.20583984 3.45663419
 -2.32459768
 4.68674894 -3.60176621 0.50289093 -0.76372495 2.01820701 2.7634276
 5.13712195 1.05233712 1.61512262 -3.00912183]
 Sample 2426: [-0.08211369 1.25159066 0.71150647 3.18676302 3.45301663
 -2.26929335
 4.65159884 -3.62160414 0.41033017 -0.7183005 1.99877306 2.76665606
 5.17423324 1.0635904 1.6258788 -2.98814911]
 Sample 2427: [-0.06232381 1.21029929 0.7249994 3.06689069 3.39846887
 -2.34870594
 4.66734382 -3.72919353 0.40981064 -0.67258977 2.00858874 2.78455717
 5.23820985 1.11422492 1.65148509 -3.0041048]
 Sample 2428: [-0.06685316 1.23299492 0.71808957 3.03353783 3.35891589
 -2.34679633
 4.66655766 -3.69367648 0.44615074 -0.66381314 2.10956768 2.83249854
 5.21806669 1.02759172 1.72721173 -3.05274493]
 Sample 2429: [-0.03210238 1.20007295 0.72186045 3.00303471 3.36891105
 -2.33415807
 4.57279007 -3.67620549 0.36930928 -0.694447 2.16563945 2.82939153
 5.15304136 1.0172055 1.71872986 -3.0794704]
 Sample 2430: [-0.01223238 1.19763446 0.73395442 3.02925903 3.45750355
 -2.33710827
 4.59423819 -3.63458069 0.3292814 -0.69431629 2.20424304 2.80769539
 5.10047911 1.06210557 1.67023456 -3.02350175]

Sample 2431: [-1.07416875e-03 1.13087346e+00 6.92199802e-01 3.02631489e+00
 3.34731618e+00 -2.38116184e+00 4.57133402e+00 -3.59522322e+00
 2.48152117e-01 -6.57704848e-01 2.12850650e+00 2.81701956e+00
 5.13355778e+00 1.01253033e+00 1.63384632e+00 -3.00110532e+00]
 Sample 2432: [-0.01849307 1.31720545 0.71409864 3.00868933 3.32600458
 -2.28792781
 4.57672782 -3.63441438 0.21258594 -0.74219643 2.11028197 2.89340802
 5.16610327 1.00559956 1.62394 -2.92353488]
 Sample 2433: [-0.02621593 1.19362474 0.6871565 2.94370789 3.28697214
 -2.23717184
 4.53325374 -3.58433167 0.22191306 -0.75010964 2.11288638 2.89430498
 5.08037841 0.9559818 1.58961321 -3.00199962]
 Sample 2434: [-0.02852494 1.1344635 0.70692343 2.91544171 3.2889504
 -2.17746416
 4.46350095 -3.59026769 0.22933453 -0.85189627 1.96786127 2.85779502
 5.06429219 0.92478714 1.50982106 -3.01330249]
 Sample 2435: [-0.01703307 1.20682249 0.7226268 2.94345439 3.23704903
 -2.18860439
 4.41796486 -3.66635778 0.26067542 -0.77515798 2.01797061 2.78307359
 5.09411255 0.81153887 1.48770313 -2.99551353]
 Sample 2436: [0.00908191 1.16368137 0.69749269 2.8735187 3.26638778
 -2.22868237
 4.39582152 -3.59622903 0.2672393 -0.83561716 1.9914423 2.79793008
 5.12085243 0.84102552 1.50363101 -3.02391397]
 Sample 2437: [0.02782669 1.10102414 0.69281523 2.7872773 3.24768746
 -2.1065853
 4.37433413 -3.68016415 0.26006446 -0.80001339 1.97376634 2.79345864
 5.11679635 0.85665668 1.42250183 -3.03892252]
 Sample 2438: [0.08822269 1.15958245 0.73861799 2.83504153 3.23103689
 -2.02742043
 4.326282 -3.70107885 0.23546563 -0.9622273 1.97836942 2.80780945
 5.07573778 0.99277319 1.40026777 -3.04394769]
 Sample 2439: [-1.56213650e-03 1.07435213e+00 7.18681947e-01 2.82348837e+00
 3.19416115e+00 -2.00216737e+00 4.27295842e+00 -3.70529773e+00
 2.11911567e-01 -9.82328521e-01 1.84066023e+00 2.79710832e+00
 5.06886731e+00 9.47113554e-01 1.33908713e+00 -3.01277685e+00]
 Sample 2440: [0.02753257 1.13320744 0.72765169 2.80821223 3.15625631
 -2.01544616
 4.26648093 -3.67131741 0.34658543 -0.97036875 1.88165375 2.78244312
 5.06941592 0.88378225 1.34563746 -2.98835479]
 Sample 2441: [0.06039524 1.15023516 0.75091335 2.86846817 3.18584185
 -2.07226898
 4.3147533 -3.73853984 0.40076361 -0.96099345 1.90489672 2.91438812
 5.00491159 0.84217761 1.34414988 -3.01958248]
 Sample 2442: [0.03350011 1.23188358 0.6840653 2.85856344 3.17075275
 -2.10597898
 4.36989374 -3.69925203 0.34805237 -0.98418548 1.83958251 2.96160767
 4.94576686 0.79245058 1.30842353 -2.9258776]

Sample 2443: [-0.01587989 1.18884447 0.75449165 2.88118593 3.19402174
 -2.12175221
 4.42417615 -3.67189274 0.35391048 -0.98797056 1.8307539 2.92384828
 5.03742754 0.81983399 1.36371121 -2.94366698]
 Sample 2444: [-2.17827748e-03 1.24330903e+00 6.79719518e-01 2.87498245e+00
 3.19407846e+00 -2.11934280e+00 4.37948834e+00 -3.65684097e+00
 3.39848494e-01 -1.00166437e+00 1.90316078e+00 2.90910666e+00
 5.05585516e+00 8.22515945e-01 1.44092681e+00 -2.93535225e+00]
 Sample 2445: [-0.03395812 1.20160419 0.70279952 2.80878967 3.00471744
 -2.06595043
 4.40278221 -3.59181652 0.34656559 -0.96975271 1.93148783 2.9156586
 5.07365165 0.85779057 1.47622519 -2.84697423]
 Sample 2446: [-0.09394493 1.1321954 0.68493276 2.75789347 3.00787406
 -2.18393605
 4.35153408 -3.58379691 0.299736 -0.96592071 1.94092715 2.91093417
 5.17344312 0.82835382 1.4361429 -2.79486882]
 Sample 2447: [-0.0932233 1.17692633 0.71339343 2.83540585 3.10935129
 -2.14300389
 4.28759209 -3.60676096 0.30345135 -1.04941546 2.01568468 2.92254553
 5.19745855 0.9073866 1.45249364 -2.77070152]
 Sample 2448: [-0.04241429 1.191663 0.69045889 2.81108403 3.12052387
 -2.2124148
 4.25188551 -3.57013747 0.32514346 -1.03522325 1.99001607 2.98830052
 5.18136307 0.84590691 1.51854725 -2.76210893]
 Sample 2449: [-1.66059210e-03 1.21451899e+00 6.90055955e-01 2.85202553e+00
 3.10208019e+00 -2.25392566e+00 4.25005430e+00 -3.57321492e+00
 3.10354333e-01 -1.02309003e+00 2.08467538e+00 2.93088629e+00
 5.17192088e+00 8.78009596e-01 1.52733526e+00 -2.73263275e+00]
 Sample 2450: [-0.05939232 1.21953238 0.70723094 2.83330868 3.28409909
 -2.36413556
 4.30571467 -3.57315684 0.21750491 -0.98849668 2.02878244 3.03219224
 5.11118827 0.78423174 1.47772779 -2.75663783]
 Sample 2451: [-0.1132434 1.20377028 0.67415871 2.8596498 3.33368525
 -2.30533841
 4.30073828 -3.52403767 0.17367982 -1.01014622 2.0746187 3.00735446
 5.09950632 0.82869273 1.56865742 -2.72587433]
 Sample 2452: [-0.02542588 1.20026535 0.66293814 2.88395343 3.35405302
 -2.40931981
 4.27989053 -3.4975292 0.15138829 -1.02461061 2.09101494 2.97028429
 5.06641228 0.82030354 1.44460217 -2.79798882]
 Sample 2453: [-0.03023934 1.21577913 0.67599076 2.8914906 3.27969236
 -2.38992651
 4.22900065 -3.43874496 0.19702202 -1.04521163 2.05416498 2.98690123
 5.02135362 0.9027492 1.47796712 -2.80337718]
 Sample 2454: [-0.02635882 1.0864438 0.66365755 2.83464765 3.22531726
 -2.38791863
 4.2070629 -3.37683995 0.2491797 -1.01431084 2.04277267 2.94822635
 5.04547682 0.88179874 1.48067255 -2.7543117]

Sample 2455: [-0.05836087 1.13545154 0.65981133 2.93461149 3.20464488
 -2.37231078
 4.13446024 -3.4299508 0.18523618 -1.04680672 2.04345332 2.94517726
 5.00732166 0.87390087 1.39931076 -2.78236941]
 Sample 2456: [0.04015431 1.13125392 0.67581787 2.84273325 3.10716562
 -2.36228089
 4.14204467 -3.38364989 0.1512603 -0.99671367 2.05463138 2.99248336
 5.02683553 0.80220601 1.37759565 -2.78264387]
 Sample 2457: [-0.01772812 1.11775024 0.64186946 2.81211013 3.16557155
 -2.46452667
 4.12832527 -3.37201866 0.0395511 -0.91027668 2.08771412 3.02500268
 5.0975333 0.86024666 1.44112455 -2.73315461]
 Sample 2458: [-0.00659834 1.13055317 0.65285932 2.76325891 3.15210934
 -2.49238771
 4.12268488 -3.32956141 -0.07844312 -0.99450134 2.1311811 3.03873462
 5.1067625 0.85660032 1.40400795 -2.73580993]
 Sample 2459: [-0.01757264 1.14290953 0.65715949 2.79635608 3.17739972
 -2.52504078
 4.16939684 -3.35071859 -0.0133978 -1.03709982 2.1521895 2.97923025
 5.09063654 0.87668897 1.44609209 -2.76841782]
 Sample 2460: [-0.06649612 1.16149504 0.65123316 2.8665126 3.15777962
 -2.44364765
 4.20389532 -3.3747128 0.01840414 -0.99379043 2.10851903 2.98446403
 5.11379118 0.90238197 1.47866149 -2.75532309]
 Sample 2461: [-0.05435171 1.15228677 0.67193975 2.88865487 3.06822764
 -2.37211367
 4.21647962 -3.37172628 -0.0051932 -1.01210013 2.12024206 2.97174056
 5.02616697 0.94531379 1.51026535 -2.74326621]
 Sample 2462: [-0.09745869 1.17572783 0.64087055 2.76749048 3.04311638
 -2.31290261
 4.20547978 -3.34972387 -0.01997627 -0.98327965 2.12639 2.99669523
 5.00021486 0.90753723 1.48951927 -2.72192456]
 Sample 2463: [-0.0999435 1.14753859 0.65410094 2.71309776 3.07856899
 -2.37301041
 4.15303695 -3.29708505 0.01308162 -1.04281119 2.18812918 2.99488066
 4.92044782 0.87652143 1.42776926 -2.68106986]
 Sample 2464: [-0.09406218 1.13010974 0.62664226 2.69424523 3.16025363
 -2.27663628
 4.11469163 -3.245366 -0.06935374 -1.10469708 2.12794797 3.03395149
 4.99107866 0.94426831 1.43588134 -2.61736789]
 Sample 2465: [-0.02134444 1.1336809 0.64633122 2.76819972 3.08895359
 -2.3168863
 4.13987989 -3.31468685 -0.11755455 -1.00663525 2.11553187 3.0714108
 4.92948049 0.936943 1.36996748 -2.71077547]
 Sample 2466: [-0.06373509 1.08915026 0.63837679 2.79055416 3.0843835
 -2.33020213
 4.12613241 -3.31981892 -0.09954937 -1.06587777 2.03983273 3.12087227
 4.92637622 0.93311275 1.33432597 -2.73081362]

Sample 2467: [-0.04471353 1.09469748 0.66656919 2.90164663 3.11682957
 -2.32568379
 4.11940618 -3.40721323 -0.10463348 -1.06284512 1.99328274 3.14070315
 4.98910177 0.92744215 1.27847254 -2.70709627]
 Sample 2468: [-0.05108772 1.18334333 0.64936536 2.89984486 3.07470066
 -2.25812617
 4.0972646 -3.4110987 -0.11324339 -1.01599112 1.94096089 3.10062233
 5.0286533 0.90670819 1.23180515 -2.7504528]
 Sample 2469: [0.01460592 1.22127956 0.66281156 2.90506394 3.10178245
 -2.21418319
 4.1354787 -3.36020542 -0.09751635 -0.97841674 1.90867467 3.05574773
 4.96488273 0.80965729 1.15897175 -2.73987414]
 Sample 2470: [0.00922004 1.15413528 0.64409898 2.86946231 3.01313352
 -2.19011583
 4.1519477 -3.32561234 -0.15060103 -1.03506207 1.89094648 3.12878481
 4.89993887 0.82946961 1.15881304 -2.75146372]
 Sample 2471: [-0.02089531 1.17544496 0.6523713 2.92672642 3.10429425
 -2.29551422
 4.13721939 -3.30524204 -0.11555995 -1.09373603 1.76755379 3.16553951
 4.87089247 0.83325716 1.23415013 -2.79902516]
 Sample 2472: [0.00742086 1.10102112 0.63307017 2.94768972 3.20441359
 -2.23031148
 4.17944358 -3.26214438 -0.18242458 -1.02517384 1.7745187 3.12540158
 4.85877413 0.79852711 1.18248849 -2.86539996]
 Sample 2473: [0.04250521 1.10852028 0.62963757 2.94539663 3.17505551
 -2.166109
 4.15070102 -3.27187562 -0.18808253 -1.11807335 1.77871297 3.15952096
 4.87068853 0.75476792 1.20695198 -2.97441646]
 Sample 2474: [0.04019335 1.10581805 0.65733773 2.97164878 3.10275917
 -2.20470866
 4.14198965 -3.31878697 -0.12167649 -1.15420695 1.75495611 3.11835034
 4.84170474 0.82600805 1.26006382 -2.91181414]
 Sample 2475: [0.06542358 1.11219824 0.65042554 2.98348316 3.22005463
 -2.17632361
 4.14393582 -3.34157742 -0.14426053 -1.1568782 1.81792659 3.08348593
 4.83877255 0.77928268 1.28849225 -2.84411044]
 Sample 2476: [0.0961757 1.13594993 0.63419889 2.96871599 3.29696939
 -2.14386703
 4.0581453 -3.36298957 -0.07951704 -1.23392588 1.86730292 3.10432371
 4.78111631 0.80048648 1.2022419 -2.90426495]
 Sample 2477: [-0.07069301 1.13737306 0.67036548 3.06103067 3.24446409
 -2.12355001
 4.08560969 -3.38370974 -0.06666649 -1.15926615 1.87948522 3.11151668
 4.71911361 0.76925195 1.19290542 -2.86621296]
 Sample 2478: [-0.03594213 1.13727066 0.67772855 3.03277827 3.16009471
 -2.09402376
 4.17038448 -3.46857098 -0.06837535 -1.14612601 1.83077522 3.05877345
 4.75186936 0.78861126 1.20240572 -2.81196302]

Sample 2479: [0.02228343 1.12108382 0.67023214 3.05592023 3.18066275
 -2.0907642
 4.11968685 -3.5036824 -0.06086396 -1.20168521 1.87080028 3.1099223
 4.66417663 0.73114172 1.2900377 -2.81106166]
 Sample 2480: [0.02411663 1.15046319 0.68765886 3.04240882 3.21045467
 -2.11535192
 4.16411525 -3.45434227 -0.05455801 -1.18614916 1.83569803 3.11710489
 4.66126813 0.70032134 1.22942576 -2.81074437]
 Sample 2481: [-0.00983711 1.17341038 0.65456655 2.95239137 3.24750284
 -2.11132473
 4.1676788 -3.39758524 -0.12388865 -1.15415434 1.84742787 3.04763672
 4.66277608 0.76897342 1.28491058 -2.77442381]
 Sample 2482: [-0.01533938 1.17488276 0.67371821 2.99228248 3.30810656
 -2.08158704
 4.24438851 -3.39270823 -0.12837909 -1.19530814 1.86209594 3.04809803
 4.63677379 0.76045884 1.25353799 -2.72992025]
 Sample 2483: [-5.15505049e-05 1.21969938e+00 6.60621337e-01 3.02614584e+00
 3.29647574e+00 -1.96894446e+00 4.17855226e+00 -3.36856036e+00
 -1.04416728e-01 -1.23218291e+00 1.84257668e+00 2.96347238e+00
 4.67158455e+00 7.11270397e-01 1.24356140e+00 -2.72434123e+00]
 Sample 2484: [0.03080832 1.15371993 0.66840469 3.03284767 3.35727455
 -2.05767097
 4.22533046 -3.41453028 -0.04393456 -1.20743513 1.7996664 2.88010821
 4.67360237 0.68966466 1.15033397 -2.79135143]
 Sample 2485: [0.01727328 1.07900819 0.67828625 3.01660193 3.38916877
 -2.172444
 4.23396789 -3.46222469 -0.03135612 -1.20223668 1.80188732 2.97134201
 4.7309137 0.67374116 1.09588795 -2.87435939]
 Sample 2486: [0.06837039 1.09629259 0.70588728 2.94761162 3.48163202
 -2.24273905
 4.12862459 -3.56963264 -0.01199013 -1.08181979 1.76018946 3.02074732
 4.71505219 0.66375992 1.13556947 -2.80194291]
 Sample 2487: [0.14539111 1.13923313 0.67764179 2.95628277 3.44434604
 -2.21984168
 4.07533796 -3.50205546 0.12027007 -1.00835161 1.75329261 3.07215928
 4.59481382 0.66811487 1.1154335 -2.7881673]
 Sample 2488: [0.22681293 1.15187951 0.71936284 2.97587439 3.44813136
 -2.24946614
 4.03966125 -3.5591663 0.19059484 -1.02292839 1.85978877 3.06212009
 4.5968471 0.66811924 1.15670591 -2.78001406]
 Sample 2489: [0.16516932 1.09958957 0.67983235 2.90225069 3.52034019
 -2.1674872
 4.08067265 -3.57555724 0.21681433 -0.99749586 1.92454769 3.05554225
 4.62756355 0.60012233 1.12234118 -2.87509658]
 Sample 2490: [0.09818503 1.13405228 0.70591484 2.83679927 3.499575
 -2.23552546
 4.06207268 -3.51970308 0.16518178 -0.90016304 1.93469744 3.1383659
 4.64647609 0.45894538 1.2568427 -2.73719763]

Sample 2491: [0.09373118 1.1844328 0.68005194 2.81976343 3.54030274
 -2.13509006
 4.19079663 -3.51329315 0.27127613 -0.85003405 1.88508287 3.21090836
 4.66212535 0.51416956 1.25484852 -2.76433029]
 Sample 2492: [0.00660835 1.2464255 0.69655114 2.88927539 3.44067847
 -2.2034768
 4.23199114 -3.54700859 0.24944798 -0.87538023 1.91850392 3.24401745
 4.58187045 0.53419582 1.32985279 -2.80636025]
 Sample 2493: [0.03168319 1.1555852 0.6768625 2.79391674 3.51811896
 -2.16386178
 4.13778961 -3.49506425 0.21900804 -0.83704251 1.9525074 3.23980983
 4.59355841 0.49922232 1.41810363 -2.71663515]
 Sample 2494: [0.14173648 1.14073931 0.70153777 2.81074539 3.53325226
 -2.10980444
 4.11573753 -3.56905618 0.22308957 -0.80008405 1.91084139 3.34033722
 4.6085138 0.55484582 1.44470374 -2.70588488]
 Sample 2495: [0.16929993 1.13750885 0.71494937 2.83436312 3.57240515
 -2.0925488
 4.05654456 -3.60575505 0.28708255 -0.74694783 1.96763643 3.35493124
 4.58452641 0.57781438 1.36145078 -2.72624847]
 Sample 2496: [0.17413101 1.12550103 0.7202963 2.85757874 3.59930647
 -2.02535766
 4.02227557 -3.59531381 0.29293136 -0.76390811 2.03372764 3.21207939
 4.55468346 0.57784287 1.30466197 -2.72186561]
 Sample 2497: [0.15569547 1.15478562 0.70376712 2.92837598 3.59576204
 -2.00322609
 3.99599034 -3.56996087 0.26733272 -0.79546772 1.96140207 3.14633298
 4.5431452 0.54979143 1.28458615 -2.76880442]
 Sample 2498: [0.06595824 1.17874434 0.69581714 2.93185419 3.65573494
 -1.92212718
 3.98011068 -3.58240773 0.20362847 -0.79123579 1.99997099 3.11656728
 4.5555536 0.56884007 1.2256354 -2.75500817]
 Sample 2499: [0.13267434 1.14900555 0.70022818 2.93651307 3.52874377
 -1.85767347
 4.00282812 -3.60214572 0.18319331 -0.73728507 2.00815381 3.0833737
 4.50534203 0.67423603 1.28285475 -2.76168394]
 Sample 2500: [0.16976049 1.12669151 0.72497511 2.98460498 3.53421791
 -1.94500156
 3.97893906 -3.58281304 0.18433878 -0.73033779 2.0350147 3.11058553
 4.47978399 0.70159627 1.27393028 -2.72234332]
 Sample 2501: [0.12165858 1.14387303 0.69715608 2.96762841 3.55076758
 -2.06045768
 4.0979237 -3.59365422 0.13414471 -0.77143971 2.05580966 3.19659985
 4.50111591 0.6882457 1.32252471 -2.68722356]
 Sample 2502: [0.16518571 1.18342058 0.71400773 2.95475037 3.49717642
 -2.09645408
 4.11247567 -3.53478375 0.1041712 -0.83198546 2.05771611 3.23825285
 4.492836 0.74179819 1.32500418 -2.70876717]

Sample 2503: [0.07605511 1.10745022 0.65797469 3.01418577 3.43203298
 -2.19382428
 4.09201035 -3.44278493 0.12934761 -0.89096829 2.06488564 3.20472288
 4.44330178 0.68600378 1.37918116 -2.75183081]
 Sample 2504: [0.13020202 1.14325399 0.6765656 3.03675455 3.45268288
 -2.15562005
 4.1609858 -3.45012075 0.1389256 -0.94063789 2.1336893 3.16904801
 4.48724879 0.65562176 1.34517108 -2.7622583]
 Sample 2505: [0.15507352 1.18495398 0.68767621 3.05162288 3.40477786
 -2.13578394
 4.08231333 -3.43267035 0.16896647 -0.92482919 2.11419725 3.17178432
 4.58232636 0.65793542 1.33272524 -2.78453641]
 Sample 2506: [0.15348674 1.1344342 0.66252806 3.10430423 3.38667287
 -2.10569407
 4.06186303 -3.40070927 0.15903562 -0.97292069 2.11624421 3.21660999
 4.58572773 0.67178518 1.3734672 -2.84350438]
 Sample 2507: [0.21803147 1.12639109 0.69469875 3.09551939 3.42455997
 -2.1614654
 4.07735062 -3.44463803 0.22160172 -1.05191872 2.14628455 3.26081843
 4.61738945 0.5823835 1.29574047 -2.86469321]
 Sample 2508: [0.18942038 1.10851409 0.68001202 3.1824686 3.4500197
 -2.14491
 4.01409798 -3.40874242 0.17879371 -1.05954126 2.1387958 3.23016063
 4.57483829 0.53728878 1.23864074 -2.92786965]
 Sample 2509: [0.08801347 1.17234299 0.66795465 3.14749871 3.42341882
 -2.12853789
 4.01896621 -3.44451363 0.11864457 -1.00795953 2.08736476 3.21675241
 4.6030699 0.56664801 1.31039237 -2.86309261]
 Sample 2510: [0.06017231 1.11893509 0.69838365 3.16916332 3.40211912
 -2.08751848
 4.11682975 -3.48456232 0.17686238 -0.99265488 2.08459346 3.2220225
 4.53915354 0.61479227 1.21613599 -2.85365475]
 Sample 2511: [-3.59245263e-03 1.13686060e+00 6.53161843e-01 3.26490519e+00
 3.45241837e+00 -2.06254625e+00 4.02354142e+00 -3.49924099e+00
 1.29667729e-01 -1.02408382e+00 2.11454254e+00 3.23824180e+00
 4.52740411e+00 5.87929171e-01 1.16541598e+00 -2.82133695e+00]
 Sample 2512: [0.02829151 1.17543666 0.68697382 3.30550569 3.38817089
 -2.033018
 4.089313 -3.38295484 0.09164448 -0.9923047 2.17885588 3.2724739
 4.53493978 0.56090731 1.0841952 -2.80152288]
 Sample 2513: [-0.01455947 1.11865879 0.6334216 3.2743571 3.39133588
 -1.95481876
 4.08366689 -3.37387227 0.12600914 -1.00696321 2.25963986 3.25364451
 4.60928274 0.52000522 1.06117871 -2.79010001]
 Sample 2514: [0.0976062 1.13760969 0.67145616 3.25214158 3.4355353
 -1.97953858
 4.09352693 -3.32283665 0.17380096 -0.92936518 2.24201265 3.28264001
 4.7048423 0.57748143 1.03391782 -2.79738408]

Sample 2515: [0.10379349 1.09919234 0.64016108 3.23012583 3.40568991
 -1.92010675
 4.09605647 -3.38240988 0.23669278 -0.92662231 2.34965822 3.30878544
 4.72111193 0.55110106 0.979899 -2.88893848]
 Sample 2516: [0.08899496 1.15627627 0.69163207 3.25166503 3.45339425
 -1.87485189
 4.11661635 -3.39433209 0.17862333 -0.91030869 2.30748008 3.37617251
 4.56962297 0.55419583 1.05594975 -2.96517876]
 Sample 2517: [0.04349515 1.14061183 0.61567746 3.24583731 3.45294872
 -1.81009035
 4.0434269 -3.37946362 0.18744604 -0.86625361 2.38038617 3.3249774
 4.57522964 0.59874434 1.02273803 -3.04111121]
 Sample 2518: [0.08477372 1.07880754 0.70770793 3.29725458 3.3975216
 -1.82087475
 4.0243376 -3.38991521 0.23250239 -0.76694167 2.42043289 3.25848403
 4.63509875 0.54545598 1.10910353 -3.02686779]
 Sample 2519: [0.13338091 1.08215171 0.62290813 3.31798142 3.39388332
 -1.90329798
 4.0010754 -3.38133527 0.24304072 -0.74108779 2.42998115 3.18500782
 4.65492232 0.49937909 1.17200044 -2.92197658]
 Sample 2520: [0.11817904 1.0680917 0.68338219 3.29600431 3.50093885
 -1.9156243
 4.04081313 -3.24919665 0.25466295 -0.69708317 2.42893304 3.23055087
 4.77104099 0.341256 1.12950849 -2.95267825]
 Sample 2521: [0.07824405 1.07774166 0.60419141 3.2819888 3.45386663
 -1.87738996
 4.00874783 -3.28650695 0.20710164 -0.71424671 2.45781817 3.16397847
 4.8488441 0.30234396 1.26897903 -3.0573686]
 Sample 2522: [0.0961611 1.08269158 0.68085068 3.33048676 3.40188759
 -1.91255
 3.98684516 -3.30593517 0.27363898 -0.68184122 2.46605433 3.05106127
 4.86650067 0.2864304 1.20547214 -3.09619687]
 Sample 2523: [0.08266479 1.00752938 0.60633976 3.24675105 3.38444893
 -1.91111198
 3.96517801 -3.23547415 0.24455212 -0.67901161 2.53189674 3.07410738
 4.79687727 0.3002297 1.11533161 -3.04614086]
 Sample 2524: [0.10735258 1.10755635 0.66354944 3.30750823 3.43217687
 -1.8593172
 4.07807016 -3.23955786 0.24826044 -0.75637269 2.56851443 3.08558865
 4.80237255 0.22282135 1.06606564 -3.02781069]
 Sample 2525: [0.12378907 1.12876049 0.63510274 3.25816342 3.42308866
 -1.86972741
 4.15509307 -3.34278513 0.23210005 -0.70929686 2.69409265 3.14881498
 4.7129022 0.21721395 1.05439577 -3.05994763]
 Sample 2526: [0.10111315 1.11751411 0.67185202 3.30496864 3.39195426
 -1.89302694
 4.21164193 -3.34475397 0.20983503 -0.70505254 2.59783777 3.00570592
 4.69306928 0.23585282 1.05120688 -3.11152362]

Sample 2527: [0.07072901 1.08502939 0.64356837 3.27633561 3.32444195
 -1.89060343
 4.13984672 -3.34455047 0.29247074 -0.68666034 2.53626711 2.98203862
 4.73117933 0.20171079 1.13156091 -3.15626258]
 Sample 2528: [0.15643684 1.06752605 0.65541469 3.273569 3.27134126
 -1.89998434
 4.2055758 -3.334976 0.33794662 -0.6109801 2.52576119 3.01964136
 4.76176996 0.20643895 1.1046348 -3.10619678]
 Sample 2529: [0.10153073 1.11258038 0.66347271 3.2633335 3.29937429
 -1.92874708
 4.1438193 -3.36123827 0.42189641 -0.5872014 2.5453405 3.04522435
 4.79034553 0.26463298 1.1713392 -3.16115194]
 Sample 2530: [0.08091321 1.08779421 0.6443492 3.2352473 3.36663507
 -1.89666968
 4.12210504 -3.36930999 0.31690432 -0.63610898 2.52493939 3.0825609
 4.78183338 0.20328152 1.18754017 -3.17912246]
 Sample 2531: [0.05647031 1.12461903 0.66198224 3.23618579 3.38043688
 -1.89994233
 4.13870847 -3.31162393 0.2993809 -0.58846058 2.48506683 3.08335872
 4.81055081 0.15458993 1.11045907 -3.10208244]
 Sample 2532: [0.10804523 1.12871972 0.63614903 3.28946262 3.45709809
 -1.93267258
 4.22048888 -3.27496629 0.36602311 -0.5047506 2.41603737 3.05675891
 4.75832533 0.22395138 1.0638663 -3.09896024]
 Sample 2533: [0.11775351 1.12847735 0.63534895 3.25843448 3.42038823
 -1.90433992
 4.28699795 -3.19443995 0.34648811 -0.43352713 2.39246564 3.01349094
 4.69687984 0.17981372 1.0515801 -2.9746355]
 Sample 2534: [0.13090769 1.09203439 0.60213768 3.23101986 3.37235022
 -1.88554192
 4.21011446 -3.15389283 0.31318658 -0.46370079 2.37063618 3.00880338
 4.72399038 0.08208195 1.04551272 -3.01721565]
 Sample 2535: [0.02141281 1.1058057 0.61113178 3.34309494 3.40259795
 -1.96463852
 4.29861016 -3.15005118 0.222997 -0.42917173 2.30327677 3.01731875
 4.67780052 0.03045407 1.04949958 -3.04617349]
 Sample 2536: [0.11111754 1.17347827 0.60804558 3.32516628 3.31968148
 -1.94173926
 4.35797687 -3.18328444 0.34271032 -0.41253917 2.37831097 2.98486213
 4.67260118 0.08991149 1.03933858 -3.02428512]
 Sample 2537: [0.15080302 1.12869563 0.63152932 3.25315859 3.36284993
 -1.9325381
 4.30864774 -3.151721 0.3288009 -0.42705858 2.42175255 3.00252227
 4.64753391 0.09868294 1.02586795 -2.98313293]
 Sample 2538: [0.13904373 1.14924105 0.62853177 3.25967035 3.37973508
 -1.95830216
 4.3077674 -3.18441222 0.30431829 -0.4606346 2.3913117 2.94884885
 4.67351164 0.10829756 1.02799917 -3.0262076]

Sample 2539: [0.15742061 1.1826909 0.61802133 3.2879964 3.41143743
 -2.02085447
 4.31337182 -3.23768871 0.22435825 -0.49262336 2.43134558 2.95066445
 4.53805595 0.0110286 0.98942195 -3.09007062]
 Sample 2540: [0.18469481 1.18029862 0.65881517 3.29450953 3.42425925
 -2.07955032
 4.34822686 -3.19311755 0.28831959 -0.58729754 2.34421012 3.05583433
 4.39998828 -0.02040628 1.0016215 -3.04686603]
 Sample 2541: [0.19778769 1.18332324 0.60885349 3.2271164 3.39101012
 -2.19045505
 4.38789776 -3.18931495 0.28827024 -0.58834551 2.34132219 3.06102342
 4.41024887 -0.00779208 1.01481943 -2.9995401]
 Sample 2542: [0.23239325 1.18113964 0.6751351 3.15782932 3.40350934
 -2.15375984
 4.38220377 -3.20796735 0.29418054 -0.56015115 2.28926823 3.11252098
 4.45128164 -0.04827604 0.99048185 -3.01869941]
 Sample 2543: [0.2043744 1.18484516 0.63084988 3.06678831 3.36711044
 -2.18073147
 4.35027698 -3.27637779 0.31143081 -0.55010535 2.31584562 3.12855603
 4.37281612 -0.11940843 0.97840551 -3.01205583]
 Sample 2544: [0.25092207 1.11442654 0.69152916 3.05082336 3.39752
 -2.27575784
 4.30924872 -3.34061734 0.29923551 -0.53831456 2.3651221 3.09640003
 4.4766282 -0.11696073 0.92263334 -2.95043242]
 Sample 2545: [0.24112888 1.14514191 0.67947087 3.0834735 3.36351322
 -2.24527843
 4.38980821 -3.35069691 0.37680402 -0.57898629 2.35849973 3.10099424
 4.41248938 -0.24858836 0.9292974 -3.00148268]
 Sample 2546: [0.18200973 1.20311432 0.66435815 3.0863393 3.3677333
 -2.25424126
 4.36695983 -3.40699362 0.34411304 -0.51974342 2.33897546 3.15192553
 4.38089483 -0.31653604 0.91665606 -3.05720327]
 Sample 2547: [0.18120259 1.23182463 0.66275325 3.11480485 3.36494289
 -2.16484873
 4.36235281 -3.37049521 0.46547733 -0.55141536 2.37538643 3.02685832
 4.35936797 -0.36736723 1.02264023 -3.08322539]
 Sample 2548: [0.24562122 1.17612934 0.6793127 3.14088293 3.38184037
 -2.16777398
 4.36033588 -3.33701184 0.43773258 -0.55162613 2.42873767 3.00182574
 4.32940385 -0.41790148 0.99948116 -3.09230033]
 Sample 2549: [0.21826988 1.17549908 0.66769268 3.17770109 3.3994283
 -2.07386474
 4.30096557 -3.31572174 0.43382542 -0.52191351 2.40065252 2.99944526
 4.23998213 -0.39340008 0.9943018 -3.08529363]
 Sample 2550: [0.25201673 1.07840463 0.67830857 3.21086222 3.36436941
 -2.09332805
 4.33386842 -3.34202194 0.44196451 -0.55752229 2.33779965 2.893187
 4.15464104 -0.33156674 0.99868134 -3.19866303]

Sample 2551: [0.23705818 1.07512531 0.65298631 3.25980722 3.36072073
 -2.18168859
 4.1799514 -3.30633132 0.48548186 -0.59659634 2.45411543 2.95857795
 4.1206401 -0.22699957 0.99281854 -3.27485188]
 Sample 2552: [0.29977714 1.04932946 0.69358599 3.20015671 3.29663728
 -2.09386211
 4.2191214 -3.28092597 0.40463535 -0.57776881 2.50801345 2.93539239
 4.11695456 -0.16839522 1.03993975 -3.42858675]
 Sample 2553: [0.24787084 1.13017493 0.64791937 3.1069498 3.32300442
 -2.10052466
 4.20200863 -3.23432054 0.44951471 -0.57890308 2.46614647 2.96814628
 4.09469479 -0.20237059 1.14157796 -3.43233175]
 Sample 2554: [0.27433056 1.08319952 0.66624759 3.10034162 3.27998915
 -2.11899151
 4.16262107 -3.22720897 0.42827236 -0.44698561 2.45288407 2.91871703
 4.0228348 -0.26398501 1.06715488 -3.38825177]
 Sample 2555: [0.27126189 1.12229591 0.64973704 3.03512617 3.21769436
 -2.22088798
 4.17371427 -3.26986921 0.38872119 -0.45151595 2.41371899 2.98341036
 4.00475984 -0.1745466 1.09046655 -3.30761539]
 Sample 2556: [0.26030473 1.05690047 0.64402438 3.01932573 3.21053436
 -2.22238631
 4.1402734 -3.17990658 0.28867425 -0.45066702 2.42197553 3.00688678
 3.94854826 -0.13232473 1.00451174 -3.15265579]
 Sample 2557: [0.32955445 1.04456834 0.65841448 2.97575119 3.21844647
 -2.31981219
 4.15570846 -3.20001176 0.23851596 -0.50657548 2.38259994 2.94766641
 3.85266384 -0.17748351 0.94562543 -3.31106655]
 Sample 2558: [0.29540893 1.04364417 0.64507573 2.93043776 3.23011008
 -2.30668955
 4.19086348 -3.1711868 0.26496396 -0.52215156 2.35557099 2.99181666
 3.86770127 -0.1232454 0.89644888 -3.29072918]
 Sample 2559: [0.31514133 1.07348088 0.62338553 2.86494446 3.23943388
 -2.29817264
 4.16052349 -3.15180464 0.23928261 -0.62647209 2.34033871 3.03965853
 3.84028204 -0.08494198 0.91279528 -3.29837119]
 Sample 2560: [0.34755476 1.07270092 0.68111934 2.95875393 3.18860049
 -2.28949872
 4.15153638 -3.16613958 0.20698948 -0.58157924 2.32639002 3.0308047
 3.80713964 -0.17575346 0.96177941 -3.27492431]
 Sample 2561: [0.34936145 1.08965543 0.66387047 2.96077404 3.17803653
 -2.30008398
 4.24804214 -3.26903146 0.28493096 -0.51854331 2.28794394 3.06654981
 3.77509127 -0.18151097 0.98087581 -3.23368515]
 Sample 2562: [0.33464871 1.01478333 0.66784343 2.83728175 3.27575322
 -2.35837659
 4.26042189 -3.21281246 0.2498223 -0.5919547 2.18128342 3.08375672
 3.8418174 -0.14013329 0.97593524 -3.27455169]

Sample 2563: [0.3673776 1.0740035 0.64807565 2.90509203 3.30973942
 -2.2980246
 4.19013066 -3.18577767 0.22547165 -0.47716027 2.15093787 2.96248324
 3.86280411 -0.14490536 0.98552634 -3.27413824]
 Sample 2564: [0.36756266 1.08680283 0.65402438 2.99005103 3.32713721
 -2.39485843
 4.19304676 -3.14319929 0.18000267 -0.54871364 2.10086195 3.08886103
 3.76270353 -0.08766456 0.91692306 -3.2219955]
 Sample 2565: [0.39037298 1.08581682 0.61966069 3.03677301 3.32841615
 -2.36989102
 4.2138885 -3.09438508 0.24658567 -0.50949919 2.10555605 3.03479973
 3.69627808 -0.09239769 0.85356506 -3.13903276]
 Sample 2566: [0.3957472 1.10810331 0.64635272 2.94747959 3.34637365
 -2.44616329
 4.16661296 -3.02513365 0.28479435 -0.44486711 2.01306014 3.05653798
 3.60267597 -0.13780976 0.91463287 -3.12213665]
 Sample 2567: [0.35780388 1.07649785 0.59067026 2.97807034 3.35891061
 -2.56668206
 4.19723579 -3.03743603 0.30277618 -0.50084538 1.96969495 3.00465653
 3.56870307 -0.10839676 0.92932786 -3.18693033]
 Sample 2568: [0.42052416 1.09001555 0.62916635 3.05880574 3.3164016
 -2.54560292
 4.32419092 -2.9726116 0.19690816 -0.58494672 2.08132909 3.01630248
 3.56048675 -0.0470272 0.91345964 -3.3074665]
 Sample 2569: [0.40240757 1.10055453 0.60432477 3.06745266 3.20205823
 -2.54756588
 4.34404224 -3.0013263 0.17301082 -0.58014428 2.11149956 3.05231135
 3.63757471 -0.12480492 0.9192592 -3.28909681]
 Sample 2570: [0.40385595 1.15280164 0.64858873 3.01442207 3.26698684
 -2.49797325
 4.26785968 -3.07412585 0.23199247 -0.59976707 2.1211806 3.09234384
 3.61731255 -0.17081652 0.94115371 -3.22025986]
 Sample 2571: [0.33026345 1.07404653 0.60806466 3.0432483 3.20913922
 -2.44260842
 4.26066065 -3.04497719 0.23599203 -0.61427432 2.27254861 3.04165403
 3.63935773 -0.24400871 0.89943249 -3.19086866]
 Sample 2572: [0.34983271 1.14156329 0.6157567 2.9529284 3.20876225
 -2.4284941
 4.29377066 -2.95110053 0.28374976 -0.57960561 2.26812413 2.99997335
 3.49347249 -0.25042502 0.89271412 -3.11776748]
 Sample 2573: [0.34741877 1.0982968 0.58235779 2.99122907 3.25853329
 -2.36378386
 4.24879004 -2.90042569 0.28264208 -0.58009203 2.20362488 3.00516237
 3.51678459 -0.20899504 0.95147735 -3.1599931]
 Sample 2574: [0.34952406 1.13471595 0.61156632 2.98873796 3.29673493
 -2.39730209
 4.25899939 -2.93545957 0.29841418 -0.63359718 2.17122832 2.966818
 3.46163359 -0.18028258 1.08448403 -3.12310037]

Sample 2575: [0.3564637 1.16152354 0.60831241 2.96117405 3.40432192
 -2.40057896
 4.20421847 -3.01650398 0.35076036 -0.59311211 2.16041198 2.99133845
 3.60293879 -0.11212159 1.0994101 -3.08553777]
 Sample 2576: [0.31659528 1.13200891 0.63131178 3.0304744 3.38938622
 -2.40624657
 4.29702464 -3.07039904 0.3428888 -0.62897087 2.20048288 2.92001459
 3.52680811 -0.08721092 1.08643851 -3.01895547]
 Sample 2577: [0.36539891 1.07415647 0.62812534 3.06232357 3.4125701
 -2.41413575
 4.33643526 -3.09357291 0.36229668 -0.64629702 2.18065764 2.94407226
 3.50723154 -0.05733459 1.10484708 -3.02644488]
 Sample 2578: [0.31401232 1.07500893 0.62839156 3.02169196 3.38350179
 -2.42111312
 4.30263161 -3.1012864 0.34458424 -0.72458607 2.18988409 2.86682379
 3.48108438 -0.08130353 1.16189579 -3.08449536]
 Sample 2579: [0.40096796 1.11936689 0.64592152 3.03133109 3.37629427
 -2.45722832
 4.35361479 -3.12195439 0.40430141 -0.71071243 2.25417946 2.79766322
 3.43623649 -0.02811232 1.21253127 -3.02647724]
 Sample 2580: [0.40172043 1.14419736 0.638471 3.1020702 3.28954801
 -2.46400513
 4.40113781 -3.08826815 0.35787826 -0.63588791 2.21146971 2.80291887
 3.39298364 -0.02556578 1.24486562 -3.01042672]
 Sample 2581: [0.3788716 1.16707324 0.63639712 3.09335734 3.40039719
 -2.50980658
 4.43812617 -3.10546292 0.37697244 -0.62929059 2.19531205 2.91409283
 3.35244983 -0.04071435 1.24101728 -3.09720463]
 Sample 2582: [0.43902619 1.10115385 0.6703955 3.06629148 3.35834348
 -2.57178501
 4.39701918 -3.19309364 0.34931558 -0.7133395 2.24189669 2.95455467
 3.3943638 0.01139309 1.18010483 -3.14335561]
 Sample 2583: [0.44216511 1.09735452 0.61663535 3.16671302 3.34394948
 -2.55807719
 4.40257613 -3.09771538 0.36238553 -0.8164026 2.23694447 2.91532349
 3.40760936 0.04631406 1.16243848 -3.20886819]
 Sample 2584: [0.44376308 1.1201647 0.65994889 3.21732818 3.40529711
 -2.51123309
 4.31775797 -3.21979091 0.32562473 -0.75877571 2.16960561 2.87417165
 3.39191443 0.0292115 1.2099884 -3.25214132]
 Sample 2585: [0.48453319 1.11153898 0.61999879 3.22988485 3.42884974
 -2.43782454
 4.29150618 -3.21612816 0.28313961 -0.72637375 2.08734918 3.01828377
 3.31594263 -0.01410165 1.19054342 -3.26891497]
 Sample 2586: [0.55155891 1.10263634 0.58468761 3.33645949 3.36130708
 -2.46333477
 4.21448774 -3.20582035 0.36385994 -0.76905643 2.07787819 3.00698537
 3.29069481 0.04733699 1.34116352 -3.31769068]

Sample 2587: [0.53432092 1.03903817 0.60202736 3.36426714 3.32849651
 -2.43846154
 4.17483375 -3.24565524 0.34628992 -0.75633199 2.06095292 2.92157304
 3.30860807 0.04176577 1.35331741 -3.41022482]
 Sample 2588: [0.5282641 1.08564619 0.59363062 3.40221201 3.32399605
 -2.39274417
 4.22390826 -3.24440773 0.30948641 -0.80792313 2.10008263 2.91608418
 3.323067 0.11733431 1.40959655 -3.31561183]
 Sample 2589: [0.53248567 1.07520469 0.5953623 3.44736834 3.30832856
 -2.43206236
 4.190285 -3.19176164 0.40465742 -0.86000047 2.12256665 2.88529615
 3.35672429 0.06563673 1.44637233 -3.24854169]
 Sample 2590: [0.52197267 1.06842629 0.55391532 3.44655839 3.33369909
 -2.42965479
 4.16585944 -3.12516259 0.4703957 -0.90939567 2.21356484 2.87502719
 3.26946613 0.10798487 1.58081316 -3.26890597]
 Sample 2591: [0.54152159 1.06566848 0.58543011 3.414131 3.37176366
 -2.4082504
 4.13864907 -3.13559252 0.51498009 -0.99279396 2.22137004 2.84832058
 3.33455883 0.08217561 1.5825319 -3.25437311]
 Sample 2592: [0.57094926 1.08449565 0.54140604 3.49396751 3.36458715
 -2.31854752
 4.12209622 -3.09553688 0.50178804 -0.94395126 2.15503729 2.82615572
 3.28463362 0.10246677 1.55543576 -3.21837864]
 Sample 2593: [0.50096715 1.01185194 0.56808746 3.53657563 3.44978017
 -2.2887599
 4.04928142 -3.07188526 0.43001483 -1.02300872 2.16207182 2.82276842
 3.29070216 0.08013346 1.6013639 -3.19492222]
 Sample 2594: [0.53495962 1.02632487 0.53809091 3.56217695 3.44715865
 -2.28938553
 4.12002312 -3.0798562 0.39579438 -1.04833924 2.12720058 2.89332367
 3.35563458 0.11233355 1.56085516 -3.26392155]
 Sample 2595: [0.47748533 1.09111341 0.55158968 3.57560034 3.51720618
 -2.24924329
 4.18914425 -3.03660132 0.42536624 -1.06957078 2.12093925 2.89182861
 3.31339301 0.11621876 1.59587468 -3.2346509]
 Sample 2596: [0.51950101 1.04982118 0.58287635 3.53439657 3.58137461
 -2.32871373
 4.15329098 -3.09678175 0.36345097 -1.06245238 2.06196086 2.92662901
 3.23535445 0.06203561 1.56679297 -3.26491441]
 Sample 2597: [0.54049522 1.0750508 0.54125188 3.47159879 3.58396927
 -2.38447468
 4.13974818 -3.07905474 0.322178 -1.05199445 2.13134854 2.91780937
 3.19205912 0.05270203 1.57984485 -3.22119036]
 Sample 2598: [0.54123904 1.13781102 0.5856036 3.52924758 3.61109188
 -2.38194655
 4.08202667 -3.10149981 0.32856445 -1.02100601 2.18397267 2.85974031
 3.18797673 0.03209439 1.54673748 -3.20655883]

Sample 2599: [0.52464281 1.08929703 0.56259468 3.51891196 3.60035415
 -2.36542034
 4.04644351 -3.15934283 0.43533027 -1.0048219 2.14690889 2.87465675
 3.09848004 0.03699852 1.60690571 -3.24987432]
 Sample 2600: [0.47677428 1.02477836 0.62268095 3.48220922 3.57922903
 -2.37112794
 4.00505815 -3.21154561 0.41877641 -0.98349786 2.15245309 2.8762459
 3.13501351 0.01806278 1.70100999 -3.20804934]
 Sample 2601: [0.48317114 1.04667496 0.58407328 3.40297557 3.60142861
 -2.35931374
 4.00161859 -3.13449044 0.4266571 -0.99927553 2.23710376 2.81810488
 3.06744965 0.04436653 1.74789684 -3.27393152]
 Sample 2602: [0.40036499 0.98513924 0.63861254 3.34535438 3.57758925
 -2.3223349
 4.04044711 -3.13095867 0.50507042 -0.94893337 2.21206626 2.8059944
 3.08645142 0.03444655 1.77543559 -3.31812061]
 Sample 2603: [0.39881587 1.02143122 0.61100844 3.32664208 3.61024871
 -2.25828123
 4.05158093 -3.09108401 0.53040996 -0.86324384 2.21869998 2.86374321
 3.09844903 0.05430246 1.72118506 -3.39848361]
 Sample 2604: [0.43432724 1.01843742 0.59798489 3.23290321 3.58408694
 -2.22981904
 4.06817437 -2.9910433 0.59373824 -0.80237898 2.28432225 2.8525185
 3.12763683 0.05346491 1.6683784 -3.43473775]
 Sample 2605: [0.40672309 1.03801942 0.56185531 3.34610314 3.64811451
 -2.12601175
 4.07367309 -2.980241 0.56507645 -0.76641163 2.35210426 2.90340772
 3.12984886 0.05835721 1.58501913 -3.39781421]
 Sample 2606: [0.38672628 1.05351129 0.59886391 3.31622735 3.66964891
 -2.1752487
 4.13714443 -2.94892438 0.57041889 -0.72459264 2.33004669 2.90505999
 3.14050541 0.0558249 1.62656159 -3.42701583]
 Sample 2607: [0.3228833 1.01487701 0.60891363 3.26510428 3.64157204
 -2.13639903
 4.1479413 -3.0165841 0.52854312 -0.69332252 2.41463733 2.878656
 3.24932672 -0.02658025 1.55832955 -3.42535124]
 Sample 2608: [0.37374848 1.0731499 0.61618027 3.22358511 3.69072035
 -2.222431
 4.1527298 -3.00714085 0.48633707 -0.65871759 2.36478943 2.8070425
 3.25867128 -0.02276424 1.59946953 -3.43527647]
 Sample 2609: [0.37722977 1.01733743 0.58234263 3.16512337 3.73965215
 -2.2439637
 4.12474925 -2.97263608 0.43395014 -0.61473001 2.35467493 2.77222584
 3.23113726 -0.0830661 1.55312942 -3.37602082]
 Sample 2610: [0.39655724 1.05590171 0.61899635 3.12215521 3.76753185
 -2.30890289
 4.08096701 -2.97770389 0.44962576 -0.61055946 2.43467393 2.82710255
 3.22171672 -0.11234426 1.52608633 -3.38339336]

Sample 2611: [0.39317118 1.01084293 0.6093759 3.16574371 3.74072478
 -2.39218975
 4.06329626 -2.99860611 0.43764764 -0.58813424 2.38393267 2.8110888
 3.14945583 -0.09619088 1.51214275 -3.40282368]
 Sample 2612: [0.41713396 1.04209838 0.62591023 3.16654055 3.66646637
 -2.40216833
 4.12686577 -3.04669501 0.51987387 -0.57116893 2.39143743 2.82303199
 3.14618119 -0.07653952 1.4884345 -3.41476439]
 Sample 2613: [0.38718009 1.05942433 0.63157525 3.18886623 3.6985127
 -2.29877339
 4.09064542 -3.07556113 0.57195343 -0.56946427 2.39310678 2.8310047
 3.14203035 -0.09882821 1.50814107 -3.4075272]
 Sample 2614: [0.42956745 1.00572025 0.60072672 3.15141428 3.66123462
 -2.23731353
 4.12127343 -3.03216933 0.50384167 -0.51822189 2.35684268 2.83250876
 3.14945609 -0.1183426 1.42704042 -3.45370695]
 Sample 2615: [0.43878574 1.05534257 0.55916158 3.25905302 3.64409988
 -2.24388455
 4.17320111 -3.05860191 0.42350628 -0.54407432 2.42706895 2.79083992
 3.12082317 -0.02804567 1.35175171 -3.42579275]
 Sample 2616: [0.37971601 1.04456299 0.66736781 3.24410589 3.63851797
 -2.22201167
 4.10315522 -3.12330134 0.38741827 -0.52935069 2.38641225 2.78745285
 3.21170715 -0.04444516 1.32726174 -3.39753073]
 Sample 2617: [0.35212711 0.99031902 0.61675869 3.2262961 3.60615997
 -2.22485058
 4.10501067 -3.12006642 0.32402732 -0.51972404 2.44829507 2.72502231
 3.24446883 -0.06594641 1.26161747 -3.36666877]
 Sample 2618: [0.38350021 1.09550799 0.6639174 3.27004675 3.52073325
 -2.24007277
 4.09441453 -3.10967053 0.37414124 -0.45780129 2.39715603 2.80297735
 3.32138722 -0.07795663 1.31828385 -3.42809359]
 Sample 2619: [0.43642559 1.07847891 0.59175195 3.35749744 3.54872097
 -2.1993021
 4.09265835 -3.12697879 0.3430262 -0.44791111 2.32921706 2.77380805
 3.38763717 -0.06482216 1.3681564 -3.35925912]
 Sample 2620: [0.41000475 1.05036807 0.613282 3.31024988 3.50916887
 -2.23186432
 4.11285656 -3.02550474 0.3626253 -0.50303025 2.28270248 2.77977749
 3.3465049 -0.09099571 1.46079999 -3.3773601]
 Sample 2621: [0.34444408 1.12331649 0.62754802 3.37744528 3.45125001
 -2.2444122
 4.14033684 -3.09328091 0.46406404 -0.57556886 2.25937316 2.72474958
 3.29669026 -0.14058859 1.45962246 -3.34960166]
 Sample 2622: [0.385155 1.02697861 0.61443697 3.37383489 3.48477317
 -2.22827088
 4.10426152 -3.01004281 0.43081521 -0.60295006 2.16830449 2.67476355
 3.3684183 -0.12762589 1.46381106 -3.37226182]

Sample 2623: [0.34446407 1.05695522 0.59532487 3.40857015 3.45006153
 -2.19975202
 4.14907884 -3.00092983 0.38840549 -0.60604565 2.1988551 2.66196967
 3.26365415 -0.18408086 1.46423073 -3.38665104]
 Sample 2624: [0.40068603 1.03300698 0.63625881 3.40740684 3.47632013
 -2.28154138
 4.11961914 -2.95066292 0.42478489 -0.56673511 2.32428869 2.66477076
 3.20320972 -0.23837515 1.51168027 -3.31544902]
 Sample 2625: [0.36697101 1.04184676 0.60526591 3.43559682 3.56153999
 -2.30656422
 4.19712197 -3.01349105 0.39068184 -0.5819251 2.18921139 2.55104204
 3.26902921 -0.20876673 1.49451616 -3.31717466]
 Sample 2626: [0.41870534 1.03867917 0.61842212 3.36603789 3.55296527
 -2.34146218
 4.22146025 -3.01702209 0.35521965 -0.6196022 2.1620017 2.5819775
 3.24828824 -0.16438318 1.52295472 -3.28032166]
 Sample 2627: [0.38431978 1.00620102 0.60886214 3.36049625 3.46161448
 -2.31025253
 4.15926937 -3.06617131 0.35608115 -0.67147926 2.05053747 2.56062405
 3.21959921 -0.2359225 1.48226394 -3.2936057]
 Sample 2628: [0.42088723 1.05266785 0.61437191 3.35818114 3.50033756
 -2.25236999
 4.23920881 -3.00702381 0.36084644 -0.66328335 1.99795709 2.50110292
 3.23106889 -0.29865179 1.51064087 -3.29686541]
 Sample 2629: [0.47751213 1.04523897 0.53707265 3.33551674 3.5572931
 -2.21514299
 4.21956462 -3.04091866 0.22248446 -0.71090008 1.99946715 2.49405584
 3.2433493 -0.33637261 1.51200195 -3.31852661]
 Sample 2630: [0.49229924 1.01977678 0.59089622 3.28614774 3.58459846
 -2.23550243
 4.18647895 -3.05024798 0.17871611 -0.63624226 2.04483846 2.45046064
 3.26520055 -0.38296382 1.48843192 -3.34142168]
 Sample 2631: [0.42239309 1.07810041 0.54481725 3.26171639 3.6734372
 -2.26938925
 4.1953796 -2.98033472 0.17381565 -0.64787996 2.01543549 2.44444896
 3.25788178 -0.41537856 1.43061038 -3.36033096]
 Sample 2632: [0.43788903 1.06398557 0.61940019 3.32323518 3.58203328
 -2.27070149
 4.14065691 -2.99748341 0.12007639 -0.69149571 2.05006615 2.36489663
 3.19697209 -0.39021929 1.47583653 -3.28457428]
 Sample 2633: [0.39165963 1.04699584 0.59329118 3.3211638 3.56767668
 -2.21195971
 4.21428816 -3.1052852 0.14490185 -0.64801913 2.04546316 2.39394623
 3.25561675 -0.37875635 1.45930372 -3.26313312]
 Sample 2634: [0.45492623 0.99382232 0.59420188 3.23551789 3.50925504
 -2.16597235
 4.19250241 -3.04852763 0.17592686 -0.65078763 2.06128294 2.32194507
 3.21890933 -0.37289041 1.53236888 -3.24934546]

Sample 2635: [0.44544131 1.0499158 0.54424139 3.20522356 3.61054203
 -2.12786188
 4.27241727 -3.00767528 0.16122268 -0.57447116 1.96798849 2.32998136
 3.25795909 -0.38945903 1.39940886 -3.31170456]
 Sample 2636: [0.46689463 0.97419411 0.58858497 3.17903276 3.46919526
 -2.14864908
 4.21371348 -3.04474659 0.14263823 -0.60729164 2.00645389 2.30002657
 3.28399641 -0.43922854 1.36185619 -3.40569363]
 Sample 2637: [0.37450193 0.98696884 0.613151 3.16792427 3.48240694
 -2.25351654
 4.18777286 -3.09209249 0.10464238 -0.60894235 1.94219187 2.20327757
 3.25054593 -0.43654968 1.31559016 -3.42180884]
 Sample 2638: [0.48459227 1.01521854 0.58589421 3.18861421 3.47115043
 -2.21015934
 4.17083574 -3.07749596 0.11371556 -0.63330612 1.98523284 2.15821921
 3.23677999 -0.43979045 1.23453997 -3.46112085]
 Sample 2639: [0.42644722 1.03053431 0.58982718 3.09044474 3.5177557
 -2.26656683
 4.13021056 -3.08152301 0.12168619 -0.57878592 1.99227528 2.17081039
 3.22209056 -0.35558403 1.2153226 -3.46287393]
 Sample 2640: [0.40723266 1.05843146 0.62795889 3.04188572 3.54031675
 -2.28302082
 4.17232635 -3.06875132 0.1207915 -0.61973231 2.01968387 2.08967626
 3.22356426 -0.39645701 1.14462614 -3.40840561]
 Sample 2641: [0.44531072 1.00219148 0.58988955 3.01077217 3.5551052
 -2.34524588
 4.16471703 -3.08199286 0.11869952 -0.65159144 1.97228667 2.09036469
 3.22485413 -0.45672316 1.0922782 -3.41224901]
 Sample 2642: [0.45713276 1.03296224 0.62069375 3.00009358 3.51143035
 -2.39586751
 4.25093063 -3.11970389 0.13900127 -0.58128245 1.98148349 2.14259572
 3.23906239 -0.44118257 1.12270214 -3.48014707]
 Sample 2643: [0.36156255 0.96628926 0.63743061 2.99644914 3.55536524
 -2.39840827
 4.23807705 -3.13573728 0.21356308 -0.64226126 2.05584218 2.14434586
 3.25034726 -0.4985416 1.01075861 -3.44900941]
 Sample 2644: [0.53489996 1.03502654 0.5861743 2.94509305 3.49715031
 -2.36196911
 4.19497422 -3.12165265 0.26946062 -0.70173156 2.07962573 2.15466918
 3.30574588 -0.47833169 1.00801364 -3.37914309]
 Sample 2645: [0.47609529 0.91080288 0.5783191 2.8790466 3.51558204
 -2.31285762
 4.12003453 -3.15553723 0.33430168 -0.67963942 2.0676128 2.05918826
 3.32530087 -0.48749563 1.07681514 -3.38013868]
 Sample 2646: [0.48338229 1.0347213 0.63455772 2.81750888 3.49276152
 -2.31087118
 4.07596209 -3.2580646 0.31657399 -0.69631013 2.06249709 2.03948322
 3.36576275 -0.46687164 1.15972505 -3.40612619]

Sample 2647: [0.49354367 0.96341668 0.60955679 2.81173293 3.51380763
 -2.35459753
 4.05560608 -3.3360207 0.36321106 -0.6983894 2.00539814 2.07371186
 3.37940699 -0.56018848 1.1352423 -3.4150231]
 Sample 2648: [0.4740242 1.04497702 0.66290988 2.8163982 3.55403606
 -2.37858658
 4.08060004 -3.37064586 0.39391493 -0.77151094 1.92718943 2.12530103
 3.37876336 -0.55853712 1.23595615 -3.45843669]
 Sample 2649: [0.46388515 1.06634138 0.64701379 2.85933858 3.53641968
 -2.36036387
 4.0936229 -3.38664905 0.43858524 -0.82047624 1.89690743 2.15621653
 3.32766 -0.48739907 1.13347836 -3.46405138]
 Sample 2650: [0.40970262 1.00673473 0.71525789 2.88748758 3.47181826
 -2.44350182
 4.14533779 -3.45993146 0.44512066 -0.83905676 2.01959846 2.16249525
 3.32081881 -0.44847167 1.0264896 -3.4889018]
 Sample 2651: [0.42933449 1.01843711 0.67190847 2.8617662 3.4867286
 -2.37796871
 4.22688911 -3.44601589 0.38577079 -0.83158485 1.9802488 2.07555618
 3.34313647 -0.43067551 1.00630906 -3.48448551]
 Sample 2652: [0.46627577 1.0368787 0.6641569 2.76504076 3.50109148
 -2.39339651
 4.30856161 -3.32457471 0.41309985 -0.79940719 2.02516287 2.03619798
 3.34052239 -0.41189282 1.10977288 -3.4932606]
 Sample 2653: [0.4661233 0.96411877 0.61605715 2.8483982 3.57034792
 -2.42133401
 4.29438703 -3.2358307 0.53586828 -0.76915126 1.95254816 2.03024758
 3.35906915 -0.40591862 1.13866627 -3.52353753]
 Sample 2654: [0.52426579 1.05472553 0.63410337 2.86367176 3.61257551
 -2.47730602
 4.30262257 -3.27343009 0.5994713 -0.77040152 1.86884859 2.05035257
 3.29080713 -0.38618308 1.11849363 -3.49770121]
 Sample 2655: [0.49938898 1.07582502 0.60755746 2.82897496 3.62787377
 -2.47558967
 4.26492802 -3.25125373 0.54193493 -0.77111625 1.91853767 1.9821039
 3.35784353 -0.40081927 1.08117823 -3.49946469]
 Sample 2656: [0.56230897 1.03859142 0.60340731 2.78624742 3.60269665
 -2.45931753
 4.23583088 -3.20515665 0.54107319 -0.80303726 1.94477752 1.97603938
 3.35542928 -0.37842754 1.09081161 -3.49099553]
 Sample 2657: [0.48478531 1.04986975 0.59016662 2.7018636 3.61020535
 -2.47932557
 4.26653281 -3.13914133 0.59128547 -0.67601257 1.9073308 1.96488297
 3.37913997 -0.36560195 1.04567524 -3.4822489]
 Sample 2658: [0.44643394 0.99871456 0.63850757 2.74828812 3.51595079
 -2.46799488
 4.22548303 -3.10008605 0.60599985 -0.66428348 1.9243194 1.98443129
 3.34400423 -0.36219667 0.99471934 -3.50531644]

Sample 2659: [0.42781099 0.98894087 0.58724472 2.81200271 3.52329958
 -2.4340844
 4.20523098 -3.03027529 0.56911871 -0.70191422 1.90806205 2.01609269
 3.40380128 -0.25493316 0.9842504 -3.54247605]
 Sample 2660: [0.45087168 0.98083315 0.59198792 2.79538851 3.51171384
 -2.38003784
 4.18774106 -2.90514 0.59938921 -0.76446518 1.87676798 2.00406053
 3.3739497 -0.23777678 0.93529636 -3.50990132]
 Sample 2661: [0.45591498 0.95949744 0.54664362 2.81577703 3.54582531
 -2.38358356
 4.07315417 -2.9080643 0.68646121 -0.75720684 1.78442447 1.92953707
 3.44322141 -0.23218211 0.8517582 -3.3981446]
 Sample 2662: [0.54862488 1.00715501 0.53427344 2.82506313 3.59282137
 -2.30666232
 4.07487235 -2.85387779 0.65639537 -0.77386859 1.74384005 1.98570417
 3.51673947 -0.30146094 0.92759136 -3.38091094]
 Sample 2663: [0.42526794 0.9548006 0.54586297 2.87523896 3.56528606
 -2.38847459
 3.95146721 -2.83180474 0.64592284 -0.78275763 1.78390699 2.03584536
 3.55157413 -0.35879319 0.94287251 -3.33908213]
 Sample 2664: [0.39656523 1.0145911 0.59688137 2.92687635 3.61494039
 -2.41386189
 3.87256745 -2.86757652 0.64095531 -0.81704253 1.72162908 2.11085022
 3.56108033 -0.28412942 0.97855973 -3.34854228]
 Sample 2665: [0.46390216 0.97372064 0.56352774 2.95295323 3.63349796
 -2.44411672
 3.88939594 -2.94163746 0.61095868 -0.81346299 1.72105118 2.13760687
 3.59189158 -0.29841681 0.91368596 -3.33027957]
 Sample 2666: [0.53531723 0.93435413 0.55198749 2.92127396 3.64173532
 -2.43504287
 3.84412853 -3.0005192 0.56589359 -0.78066383 1.69114813 2.0901147
 3.57303511 -0.24220155 0.95458532 -3.34807273]
 Sample 2667: [0.49410076 0.91400755 0.60465801 2.8915239 3.66891618
 -2.45372257
 3.81963661 -3.12889933 0.57175216 -0.85063937 1.64024994 2.15625893
 3.61346266 -0.31864099 1.01024004 -3.3409529]
 Sample 2668: [0.42963501 0.95522285 0.61792737 2.95187224 3.69763244
 -2.39273372
 3.81649933 -3.11619188 0.60978365 -0.78388294 1.64799091 2.1005022
 3.62652606 -0.2755728 1.05403852 -3.41377827]
 Sample 2669: [0.39031332 0.9293035 0.62958501 2.9463353 3.70346631
 -2.31159107
 3.81527676 -3.13874962 0.58932389 -0.80387442 1.70737969 2.15449474
 3.61155595 -0.28726721 1.09890344 -3.33041662]
 Sample 2670: [0.47265671 0.93269284 0.61850533 2.9184371 3.72612552
 -2.31587005
 3.72750207 -3.20266486 0.64705814 -0.82774311 1.63345647 2.14040145
 3.57655279 -0.27300222 1.12854072 -3.34235531]

Sample 2671: [0.53372082 0.90932427 0.57981746 2.89744686 3.67623782
 -2.39629019
 3.65063978 -3.17230085 0.62021621 -0.83068294 1.66611527 2.09688322
 3.51764832 -0.32142855 1.0481771 -3.28962724]
 Sample 2672: [0.51130685 0.88844798 0.61654138 2.88102778 3.6718465
 -2.34697217
 3.64960142 -3.20714215 0.60744894 -0.879527 1.65777692 2.0649899
 3.58444264 -0.43877243 1.08094892 -3.31351295]
 Sample 2673: [0.50221233 0.92727059 0.59101663 2.97904871 3.648073
 -2.28058501
 3.59151419 -3.2249032 0.52746485 -0.80573027 1.70850832 1.9923988
 3.57171353 -0.46853949 1.01148648 -3.28538363]
 Sample 2674: [0.45714815 0.93779648 0.63417787 3.00444187 3.63408397
 -2.22593623
 3.60519588 -3.24385468 0.50946634 -0.81329136 1.74701155 2.02301943
 3.49743919 -0.52899175 1.0141385 -3.33719059]
 Sample 2675: [0.46389985 0.85935609 0.62695401 3.01945899 3.65905532
 -2.2050287
 3.54199442 -3.35746657 0.50823004 -0.82018642 1.74300028 1.98734757
 3.44319051 -0.52919754 1.03261524 -3.32529773]
 Sample 2676: [0.40004818 0.87613845 0.68259167 3.01906328 3.61898191
 -2.24690684
 3.60240637 -3.36518689 0.48712372 -0.75663733 1.88847078 1.95189661
 3.48071615 -0.50946595 1.14549364 -3.35435437]
 Sample 2677: [0.404416 0.958796 0.63919025 2.99733876 3.57664216
 -2.20272043
 3.65428683 -3.29069198 0.43987586 -0.76579968 1.8914281 1.9910009
 3.56314558 -0.51912206 1.13996651 -3.35314333]
 Sample 2678: [0.4195485 0.92885915 0.6526117 2.97026597 3.57763279
 -2.23857081
 3.67333484 -3.25870236 0.44217371 -0.78087504 1.93839958 2.05265559
 3.59999258 -0.43944515 1.11339054 -3.30332611]
 Sample 2679: [0.39297958 0.91121421 0.64186287 2.99127495 3.5636963
 -2.25568978
 3.62170008 -3.24216043 0.48365259 -0.7758192 1.92912365 2.04060921
 3.51879419 -0.38503692 1.04067026 -3.23590589]
 Sample 2680: [0.42438185 0.85388487 0.65863981 3.04471784 3.54527518
 -2.2912581
 3.56320106 -3.26120751 0.45514318 -0.78931254 1.87156752 2.13525916
 3.51211071 -0.4156572 1.09919248 -3.19538041]
 Sample 2681: [0.44585586 0.9099373 0.62361415 2.97687666 3.63536885
 -2.34504926
 3.565895 -3.24972961 0.43833069 -0.79915771 1.80024937 2.04647076
 3.4864747 -0.46184805 1.10212952 -3.18920012]
 Sample 2682: [0.5062981 0.85645013 0.60043979 2.9415551 3.59744495
 -2.28741905
 3.53275892 -3.17013647 0.46944001 -0.84955792 1.74851233 2.07417855
 3.4966217 -0.53520168 1.06848947 -3.13499398]

Sample 2683: [0.47790726 0.90331524 0.59191561 2.98809455 3.65026408
 -2.31444944
 3.54036191 -3.18820687 0.49487368 -0.8182257 1.77287395 2.05750992
 3.42991881 -0.51716442 1.07169709 -3.12651114]
 Sample 2684: [0.43945168 0.92777536 0.63953781 3.04787567 3.72497376
 -2.38959779
 3.51774679 -3.14042114 0.54480604 -0.80596246 1.81406794 2.15093148
 3.42245444 -0.46777705 1.04932235 -3.16950385]
 Sample 2685: [0.37860719 0.89039758 0.60754521 3.00731066 3.67955208
 -2.3696249
 3.46732005 -3.095813 0.60659171 -0.80462915 1.80441082 2.09471301
 3.39052244 -0.47930559 1.07982134 -3.2501423]
 Sample 2686: [0.44535172 0.85431322 0.58705788 2.99443391 3.6642376
 -2.32836427
 3.47886709 -2.9100374 0.70069542 -0.74161649 1.86925447 2.14431665
 3.29375194 -0.44944257 1.10662347 -3.21415115]
 Sample 2687: [0.36952625 0.88790498 0.60468079 2.91819618 3.64453239
 -2.35725178
 3.47793091 -3.03655346 0.65216031 -0.74496687 1.83451363 2.21203016
 3.30060111 -0.41208041 1.05466527 -3.1690919]
 Sample 2688: [0.41538437 0.95216484 0.6141633 2.86796472 3.65175805
 -2.36409716
 3.42464424 -3.00127709 0.66687295 -0.85069044 1.90343349 2.22511196
 3.27782092 -0.38404449 1.02623556 -3.20880874]
 Sample 2689: [0.44978554 0.8845164 0.57054478 2.83789859 3.62667965
 -2.35578234
 3.43907777 -2.9980694 0.81653106 -0.8434147 1.90344657 2.21390532
 3.2952101 -0.40367799 0.98466075 -3.12674396]
 Sample 2690: [0.42988177 0.92248064 0.6031567 2.85305748 3.59520924
 -2.34162199
 3.37552195 -2.95788996 0.75456624 -0.80691178 1.93256897 2.21663308
 3.1587527 -0.43211078 0.98924875 -3.11032745]
 Sample 2691: [0.36140033 0.87811941 0.60094401 2.82449503 3.58915877
 -2.39551281
 3.43261432 -2.97462332 0.67455476 -0.91796867 1.92915143 2.18095637
 3.19179718 -0.36436493 1.03301101 -3.07617257]
 Sample 2692: [0.37875566 0.93787246 0.60921852 2.84087222 3.6550663
 -2.40685973
 3.43153157 -3.00256044 0.6679776 -0.91600314 1.98400744 2.20919607
 3.2225331 -0.36886743 0.98560941 -3.06851658]
 Sample 2693: [0.39604229 0.90609734 0.59359006 2.88608119 3.54653102
 -2.36217638
 3.35712176 -2.89148737 0.64304903 -0.84160578 2.02425529 2.14792356
 3.35324624 -0.33348138 0.96494547 -3.11635337]
 Sample 2694: [0.35614307 0.88056642 0.60400566 2.81827942 3.49562147
 -2.38741897
 3.29677817 -2.95970601 0.61965332 -0.77443652 2.03511282 2.15349402
 3.35961856 -0.37788216 0.97393352 -3.01753807]

Sample 2695: [0.36834701 0.84895982 0.59895322 2.81165683 3.38816822
 -2.36240231
 3.32029187 -2.89149074 0.60308435 -0.7850862 2.0656403 2.20491376
 3.42635991 -0.34693477 0.94915666 -3.05382956]
 Sample 2696: [0.3484465 0.87096875 0.58889642 2.83471842 3.47438026
 -2.34376571
 3.30373984 -2.8884164 0.7207213 -0.80724944 2.03911103 2.25589524
 3.41678011 -0.26867533 0.93399634 -3.0423424]
 Sample 2697: [0.39026558 0.84978845 0.59406033 2.79050065 3.44133646
 -2.32909949
 3.28397072 -2.92273046 0.79233109 -0.8164488 2.02161759 2.28406917
 3.40982138 -0.2670218 0.8659505 -3.0984937]
 Sample 2698: [0.38336996 0.87007202 0.60354154 2.80812863 3.47138827
 -2.39459042
 3.38677891 -2.92474045 0.84709572 -0.79919651 2.03334742 2.30666891
 3.32441097 -0.32797872 0.84177669 -3.20183136]
 Sample 2699: [0.37924531 0.83579061 0.586976 2.83822591 3.53104798
 -2.44330074
 3.32939144 -2.92583918 0.89616152 -0.82108482 2.06730564 2.30754187
 3.37661714 -0.40928336 0.86709234 -3.17752917]
 Sample 2700: [0.37790836 0.8962483 0.61359732 2.80834428 3.48291485
 -2.4641851
 3.2838442 -2.95819198 0.95331494 -0.76962037 2.09252634 2.37501807
 3.40487193 -0.46835277 0.81673012 -3.15084024]
 Sample 2701: [0.4148957 0.9305416 0.60213463 2.83661474 3.49975192
 -2.49029448
 3.23666888 -2.9661882 1.01782472 -0.77435224 2.02044335 2.45071015
 3.41189438 -0.47030412 0.87132483 -3.16787226]
 Sample 2702: [0.38862723 0.89260284 0.6065814 2.94997133 3.48154906
 -2.59002727
 3.24896002 -2.986766 1.09203882 -0.68504743 2.02358994 2.4260127
 3.34272675 -0.54034674 0.81370617 -3.14834097]
 Sample 2703: [0.39961558 0.87186133 0.61464157 3.02808287 3.56080671
 -2.50636105
 3.19619214 -3.00599715 1.12621615 -0.71337753 2.10129204 2.4724176
 3.3063056 -0.53276749 0.89553755 -3.10089427]
 Sample 2704: [0.35771633 0.80007723 0.59895577 2.95500045 3.65253269
 -2.45158524
 3.22370478 -2.9681839 1.10821003 -0.71930595 2.01392619 2.41659631
 3.25233382 -0.53365166 0.89632746 -3.10987253]
 Sample 2705: [0.42004444 0.83775118 0.6092512 2.95373598 3.66287209
 -2.35439424
 3.18371764 -3.00825 1.02843521 -0.65620901 2.00046305 2.44956841
 3.34182641 -0.52938902 0.96025634 -3.20500943]
 Sample 2706: [0.42980085 0.87531234 0.5670983 2.90721382 3.65418779
 -2.3399887
 3.19339938 -2.95910609 1.00322791 -0.66729277 1.96606298 2.47728251
 3.30758793 -0.56895561 0.86586778 -3.31050929]

Sample 2707: [0.38303265 0.8680581 0.60926848 2.90420272 3.63471734
 -2.35865042
 3.19628947 -2.91059911 1.10697863 -0.7408098 1.9208944 2.57857806
 3.25629388 -0.59566884 0.86808858 -3.18732711]
 Sample 2708: [0.39060767 0.8545835 0.55989468 2.88750109 3.59153165
 -2.34413341
 3.22124335 -2.87885053 1.07347617 -0.71058644 1.88752899 2.55579238
 3.19837914 -0.67771307 0.91303569 -3.22875532]
 Sample 2709: [0.42435953 0.86180722 0.58306992 2.7799264 3.58690146
 -2.34768631
 3.18331198 -2.83813846 1.07388328 -0.70304084 1.86397758 2.59089129
 3.26238499 -0.71303664 0.90168726 -3.23539535]
 Sample 2710: [0.41691151 0.82982617 0.53059474 2.71701137 3.53771714
 -2.33145785
 3.15993133 -2.78541843 1.14348875 -0.70344248 1.82877882 2.52557112
 3.34047337 -0.6684625 0.86311377 -3.28092838]
 Sample 2711: [0.46284298 0.77023881 0.58873972 2.69572965 3.49710743
 -2.4289105
 3.24617333 -2.8931767 1.14053931 -0.77436015 1.79881926 2.43994098
 3.35221951 -0.60241922 0.8738351 -3.25917633]
 Sample 2712: [0.52354053 0.88727053 0.53233116 2.65654316 3.50036491
 -2.50695129
 3.23734655 -2.94787999 1.17445464 -0.77397614 1.77789143 2.57518659
 3.29777252 -0.60296015 0.88744745 -3.32480328]
 Sample 2713: [0.56757336 0.8653532 0.56077208 2.60342228 3.5341603
 -2.4924916
 3.27121466 -2.92889076 1.02284597 -0.74102893 1.80218431 2.66899471
 3.3267517 -0.46529785 0.97970359 -3.36214597]
 Sample 2714: [0.5265371 0.8754529 0.50143179 2.50920249 3.5489824
 -2.5276423
 3.1652481 -2.85752687 1.04707101 -0.77409118 1.8826384 2.63971683
 3.28383022 -0.47619087 0.87551385 -3.22712219]
 Sample 2715: [0.52462863 0.80913377 0.5743832 2.4188487 3.54878386
 -2.51077118
 3.15874777 -2.84095217 1.03818298 -0.77208515 1.9576606 2.60561374
 3.28031829 -0.40178078 0.91141943 -3.1966033]
 Sample 2716: [0.38325081 0.87750653 0.54491713 2.45463762 3.57249821
 -2.51132338
 3.12866408 -2.88470633 0.96422491 -0.79158668 1.94304446 2.62282549
 3.25557536 -0.36675322 0.88663419 -3.1689227]
 Sample 2717: [0.3993136 0.87853224 0.6186684 2.38806964 3.5832314
 -2.49465939
 3.06577736 -2.87018957 0.89721994 -0.78835777 1.95107485 2.59123034
 3.27579467 -0.34006053 0.8229755 -3.14266723]
 Sample 2718: [0.494459 0.82152431 0.53685696 2.4637042 3.74686641
 -2.47523951
 3.0443173 -2.88714944 0.8722717 -0.79500023 1.8705271 2.59955144
 3.23705037 -0.30593845 0.77375613 -3.11853327]

Sample 2719: [0.44839358 0.8440161 0.58991357 2.42530651 3.72749514
 -2.42072476
 3.08267604 -2.86014068 0.88236554 -0.7720658 1.88871762 2.66505505
 3.21392855 -0.30388525 0.71846492 -3.14147526]
 Sample 2720: [0.4466386 0.82013877 0.54273331 2.41306537 3.74586228
 -2.42857102
 2.97848083 -2.87794875 0.80995725 -0.78179555 1.82656641 2.69624189
 3.3174134 -0.30798679 0.68609598 -3.13638375]
 Sample 2721: [0.40081334 0.85462864 0.59245054 2.35752168 3.75738923
 -2.40435445
 2.94883424 -2.79858674 0.77317862 -0.77349082 1.81099058 2.65236207
 3.37841118 -0.3099465 0.61783515 -3.1526318]
 Sample 2722: [0.3612003 0.80318573 0.55338341 2.36612246 3.78323075
 -2.41661267
 2.88307217 -2.85029195 0.84929997 -0.90218366 1.77273796 2.65574325
 3.3519236 -0.26919926 0.61403087 -3.07070436]
 Sample 2723: [0.43207317 0.78177993 0.60691109 2.42063522 3.83325728
 -2.38471278
 2.86116717 -2.91644486 0.86232178 -0.96051344 1.82884682 2.69079884
 3.37833551 -0.28509469 0.57845077 -3.07922773]
 Sample 2724: [0.41536287 0.81746103 0.55311756 2.43817905 3.76739534
 -2.3495588
 2.72141335 -2.86921926 0.83755379 -0.98495241 1.83930296 2.731236
 3.35387786 -0.21070961 0.54940972 -3.10890918]
 Sample 2725: [0.42552663 0.8143813 0.56726451 2.41928382 3.67998346
 -2.31411958
 2.64260436 -2.80415413 0.81432178 -1.0433468 1.87261087 2.70243084
 3.31425661 -0.28686053 0.5715802 -3.05514971]
 Sample 2726: [0.48154568 0.87190629 0.5429474 2.34642575 3.64553255
 -2.32344878
 2.68964266 -2.87449606 0.87698046 -1.06194657 1.77667637 2.7863711
 3.32714181 -0.26336453 0.5256383 -3.02894412]
 Sample 2727: [0.53743982 0.79085944 0.51748961 2.37304949 3.64220498
 -2.25779074
 2.75254855 -2.88206266 0.92190142 -1.0193492 1.78321345 2.91244258
 3.36144687 -0.21522087 0.53666033 -2.98754079]
 Sample 2728: [0.53704877 0.77862885 0.51772244 2.37545294 3.75494552
 -2.27538651
 2.72591506 -2.87893033 0.99298587 -0.90280504 1.79042564 2.97619566
 3.34243366 -0.24318787 0.53032124 -2.95061147]
 Sample 2729: [0.52365067 0.82058132 0.51840209 2.44337638 3.73333923
 -2.24135028
 2.68662557 -2.89535971 1.04644698 -0.84789113 1.76628354 3.05114308
 3.34796665 -0.32988393 0.52738285 -2.92584635]
 Sample 2730: [0.47480838 0.76618186 0.51278826 2.49421119 3.72362965
 -2.17627682
 2.67939213 -2.88564127 1.04122375 -0.80331077 1.83051504 3.0270402
 3.34591563 -0.32441722 0.66091632 -2.97645536]

Sample 2731: [0.50294824 0.83564629 0.51772269 2.42879609 3.63959468
 -2.12368692
 2.67323991 -2.89732589 1.07056167 -0.83863568 1.92689463 3.06460584
 3.48907467 -0.32605705 0.67458268 -2.98064594]
 Sample 2732: [0.47380261 0.74163437 0.51914292 2.37562911 3.62181734
 -2.07826166
 2.73593992 -2.89726135 1.04906721 -0.76810344 1.90680203 3.05895847
 3.39164919 -0.31652253 0.71480061 -2.92125973]
 Sample 2733: [0.46873945 0.81520016 0.51831172 2.38507339 3.5608325
 -2.04495398
 2.65030245 -2.93552202 1.04303169 -0.72245093 1.88862515 2.991156
 3.3157407 -0.32398796 0.73193181 -2.88959934]
 Sample 2734: [0.44428048 0.73054923 0.52866434 2.35262458 3.57091033
 -1.99515894
 2.57782286 -2.91240964 1.07024327 -0.83129236 1.75668188 3.02295364
 3.29676003 -0.33047173 0.73407764 -2.86199339]
 Sample 2735: [0.45374232 0.82190973 0.55998466 2.42168966 3.51905926
 -2.01594586
 2.55446861 -2.97337944 1.028426 -0.77046256 1.71838364 2.98895015
 3.25319926 -0.32873296 0.76880406 -2.8357999]
 Sample 2736: [0.49247057 0.76813908 0.50899281 2.38442846 3.63254874
 -1.96573183
 2.51547958 -2.92443738 1.0660485 -0.76747665 1.64816399 2.91977278
 3.23292948 -0.29889765 0.76199372 -2.74691986]
 Sample 2737: [0.48626282 0.78280593 0.54496781 2.39979506 3.62419637
 -1.90291241
 2.55511513 -2.87132525 1.05627176 -0.74590833 1.68570384 2.89723778
 3.19420614 -0.28531985 0.6952036 -2.72288757]
 Sample 2738: [0.38732974 0.73576215 0.53875314 2.45861682 3.59750557
 -1.92289884
 2.48198945 -2.9210822 0.99995587 -0.74523174 1.69327067 2.88830087
 3.1999768 -0.35929478 0.69953276 -2.79584704]
 Sample 2739: [0.44665995 0.78466508 0.54045076 2.40978285 3.58588868
 -1.91553374
 2.47549395 -2.86765934 0.95600143 -0.7413173 1.71422319 2.85730338
 3.29161067 -0.33338952 0.71151179 -2.79061543]
 Sample 2740: [0.4362415 0.75627374 0.4990134 2.44252647 3.57613555
 -1.91820815
 2.49514792 -2.85921487 0.86141982 -0.74543035 1.65046048 2.86928523
 3.32201086 -0.29625603 0.65194405 -2.81325575]
 Sample 2741: [0.43082257 0.77667066 0.54986153 2.49746269 3.49805757
 -1.92187439
 2.53131369 -2.88712495 0.86872759 -0.79417731 1.61183266 2.93678458
 3.21532145 -0.40854664 0.67598964 -2.73681877]
 Sample 2742: [0.44613023 0.80134002 0.53137603 2.51050498 3.52807768
 -2.02118429
 2.62092865 -2.91145672 0.86917811 -0.80776557 1.64388843 2.9033902
 3.21353484 -0.39033714 0.56756157 -2.71431953]

Sample 2743: [0.51678822 0.76458516 0.52646407 2.51994514 3.45136779
 -2.08908131
 2.5524733 -2.88306705 0.87917238 -0.81493486 1.73473399 2.94699178
 3.1855701 -0.40891595 0.56829006 -2.77691741]
 Sample 2744: [0.48178857 0.79929951 0.49617633 2.51456196 3.47118073
 -2.16922605
 2.60226145 -2.84230473 0.92057853 -0.73392826 1.64921003 2.90442491
 3.16113685 -0.40252093 0.64090883 -2.82238178]
 Sample 2745: [0.41990663 0.71467806 0.54380136 2.54353965 3.42984358
 -2.16024541
 2.59137785 -2.78086449 0.88401062 -0.72199389 1.69475394 2.88963422
 3.1774015 -0.43041225 0.65030428 -2.84952108]
 Sample 2746: [0.35093257 0.79614758 0.55284779 2.5401815 3.39617184
 -2.08958928
 2.55661518 -2.7643621 0.8343791 -0.70491962 1.66266409 2.8162345
 3.24651011 -0.49196727 0.59786854 -2.88818748]
 Sample 2747: [0.29082791 0.7412267 0.55917461 2.51417699 3.36698562
 -2.03945578
 2.59128956 -2.70338105 0.77358174 -0.76537895 1.73409606 2.79918061
 3.26482314 -0.48040053 0.55060862 -2.87617357]
 Sample 2748: [0.32616308 0.74730301 0.51996026 2.43964197 3.32047212
 -2.06519274
 2.54330386 -2.70461533 0.84130572 -0.75875901 1.74120459 2.79753834
 3.28737725 -0.47555429 0.51487755 -2.80882994]
 Sample 2749: [0.29461711 0.77423226 0.58887513 2.40846637 3.40660252
 -2.0894865
 2.54031949 -2.71312211 0.76945794 -0.78052588 1.74833003 2.78358026
 3.3670333 -0.45497707 0.58957317 -2.75776866]
 Sample 2750: [0.32181119 0.74985639 0.53402627 2.31909342 3.4045708
 -2.13195219
 2.6522235 -2.776616 0.81294344 -0.83460487 1.67407256 2.84375149
 3.38668505 -0.48332661 0.5820186 -2.84007198]
 Sample 2751: [0.33077396 0.82574702 0.56668265 2.3117143 3.3905644
 -2.05797382
 2.66039349 -2.77417642 0.85146577 -0.82683849 1.60398937 2.88196589
 3.39024389 -0.6163285 0.57660939 -2.82843193]
 Sample 2752: [0.3453077 0.7854931 0.54566083 2.26625996 3.33866911
 -1.97991609
 2.65489183 -2.82611786 0.87539166 -0.77916387 1.6412157 2.85285101
 3.36461939 -0.54857234 0.53954701 -2.76596841]
 Sample 2753: [0.29306231 0.81764221 0.58977703 2.29186948 3.29552446
 -1.96362435
 2.69695382 -2.85810292 0.90645914 -0.74871935 1.65374637 2.91796767
 3.36901941 -0.42791202 0.58663173 -2.77650947]
 Sample 2754: [0.27329325 0.78076697 0.56018006 2.27442687 3.20138503
 -1.95988383
 2.63419849 -2.84357493 0.92902514 -0.81166559 1.70955886 2.97449278
 3.37772772 -0.46713642 0.50846326 -2.76637922]

Sample 2755: [0.30740128 0.81537271 0.57387874 2.33829783 3.0878965
 -2.01959191
 2.71801863 -2.89045121 1.03868857 -0.66714132 1.59669872 2.89484864
 3.43052665 -0.56751392 0.49271746 -2.87568212]
 Sample 2756: [0.34441876 0.83995748 0.58909984 2.34434671 3.14176292
 -2.17762659
 2.72724321 -2.96180164 0.99142115 -0.70664283 1.59741437 3.07973389
 3.41034575 -0.62038047 0.4866842 -2.94723137]
 Sample 2757: [0.43048466 0.80963734 0.58461997 2.37470149 3.21460124
 -2.22510364
 2.74934642 -2.92488394 1.01034772 -0.7129247 1.63236732 3.09398121
 3.37997548 -0.59926649 0.53305691 -2.97391725]
 Sample 2758: [0.42449061 0.79491067 0.55671395 2.39451196 3.13924005
 -2.31364039
 2.67060633 -2.91936769 1.05854743 -0.72400768 1.69748334 3.17823276
 3.3120958 -0.53672086 0.56444249 -3.02326655]
 Sample 2759: [0.45987804 0.80625188 0.58984476 2.41355632 3.13378946
 -2.33084627
 2.71260661 -2.90477251 1.13787815 -0.77291894 1.68409416 3.11784817
 3.2382564 -0.51750917 0.61100861 -3.08601828]
 Sample 2760: [0.48931522 0.74859977 0.5104688 2.48255235 3.11003688
 -2.32564751
 2.67554892 -2.87639279 1.12839226 -0.82717204 1.7255088 3.05872428
 3.26271811 -0.57306596 0.58022155 -3.09108828]
 Sample 2761: [0.49533583 0.79683772 0.56825483 2.50690445 3.06019417
 -2.35118274
 2.71151485 -2.89295863 1.15182208 -0.85376748 1.67196841 3.04923924
 3.24563692 -0.54674765 0.57532462 -3.08306162]
 Sample 2762: [0.42000001 0.77175164 0.55202511 2.45075553 3.06641338
 -2.38548515
 2.8177526 -2.9668787 1.11485015 -0.8990606 1.70034274 2.9905697
 3.34528484 -0.50893155 0.62394858 -3.10735655]
 Sample 2763: [0.48504893 0.84593146 0.58888907 2.35246057 3.03562717
 -2.30695793
 2.82651189 -2.89556035 1.19133584 -0.93887525 1.67646172 3.0444797
 3.34334819 -0.51852277 0.60025864 -3.08849588]
 Sample 2764: [0.47390471 0.83694828 0.48978168 2.43833003 3.10203343
 -2.35721789
 2.84181104 -2.82143864 1.17276947 -0.83789471 1.55391309 3.05844134
 3.36133438 -0.48549728 0.59051969 -3.11476444]
 Sample 2765: [0.49649371 0.82907113 0.57322442 2.32481387 3.1589647
 -2.38579347
 2.8968079 -2.8122474 1.18242008 -0.87626726 1.57540509 3.09855192
 3.40975285 -0.51048372 0.70177531 -3.13959897]
 Sample 2766: [0.50288743 0.82550012 0.48716511 2.31190457 3.1352685
 -2.3520915
 2.8802381 -2.8225994 1.13473877 -0.78659701 1.49606532 3.05589228
 3.44579841 -0.48225665 0.61843186 -3.18351171]

Sample 2767: [0.49320382 0.79883577 0.56102359 2.30378744 3.13866612
 -2.24261356
 2.95915358 -2.80868146 1.07703663 -0.81956791 1.48478365 3.13926367
 3.49912815 -0.47032334 0.52539261 -3.09813326]
 Sample 2768: [0.52710225 0.83245359 0.47542517 2.22674514 3.07845243
 -2.26453527
 2.93671897 -2.77448514 1.04136241 -0.86759984 1.43763482 3.12461144
 3.52610648 -0.43196687 0.55932293 -3.1376809]
 Sample 2769: [0.46888998 0.81684333 0.54684477 2.24842563 3.19628309
 -2.26182125
 2.90898231 -2.69732507 1.04661844 -0.94254984 1.41822499 3.16569563
 3.55849715 -0.44064952 0.51709561 -3.09609634]
 Sample 2770: [0.52289386 0.84890464 0.43522533 2.25042172 3.26259069
 -2.34114068
 2.85350149 -2.61487414 0.94720758 -0.99103543 1.47495953 3.17583619
 3.54734885 -0.38455077 0.44953611 -3.10690147]
 Sample 2771: [0.52583267 0.86691944 0.51325727 2.30955599 3.36457137
 -2.32540017
 2.84092211 -2.60626755 0.91115697 -0.97619299 1.4637134 3.09632077
 3.47824323 -0.37911149 0.47989587 -3.09361042]
 Sample 2772: [0.3961399 0.79954414 0.49385404 2.42873076 3.36391637
 -2.31821117
 2.78586315 -2.64219751 1.00029579 -0.98550013 1.44513622 3.1253272
 3.37915265 -0.32412804 0.3928208 -3.12284433]
 Sample 2773: [0.54755171 0.77750768 0.51394221 2.49357636 3.33485165
 -2.33735913
 2.75315872 -2.64157648 1.13920798 -0.92034449 1.55610793 3.06270515
 3.35548474 -0.26635375 0.34803295 -3.08551499]
 Sample 2774: [0.48674894 0.79033012 0.44234588 2.55763193 3.34210518
 -2.27601822
 2.70896269 -2.64477191 1.08307457 -0.92526275 1.60881607 3.04146026
 3.38104767 -0.2563301 0.2816558 -3.05302049]
 Sample 2775: [0.47738692 0.79024903 0.52096443 2.49734539 3.31040026
 -2.32188186
 2.67543621 -2.5979976 1.12333314 -0.92629417 1.56408656 3.11559365
 3.32395718 -0.37792584 0.23463633 -3.09908359]
 Sample 2776: [0.50669305 0.76111211 0.4529268 2.50800289 3.43014987
 -2.28864409
 2.73310691 -2.6464451 1.10072183 -0.89011999 1.50316154 3.11218131
 3.41276121 -0.45685018 0.20287787 -3.09063276]
 Sample 2777: [0.46426188 0.81556039 0.51688405 2.50085843 3.50880926
 -2.31699229
 2.73421607 -2.57569619 1.12310409 -0.90285556 1.4606422 3.15920029
 3.30088472 -0.41137811 0.30944332 -3.1267012]
 Sample 2778: [0.49624524 0.81628319 0.4480687 2.53715344 3.51506571
 -2.38800783
 2.74460037 -2.58305821 1.06295 -0.91921914 1.47821174 3.18099675
 3.34107099 -0.39008652 0.26077636 -3.03671163]

Sample 2779: [0.52757694 0.8291233 0.49642296 2.46318068 3.55136388
 -2.36908091
 2.79145854 -2.51066303 1.03351151 -0.88385695 1.4566423 3.24856462
 3.36728258 -0.28168764 0.25666096 -3.06725725]
 Sample 2780: [0.50547869 0.82694643 0.40998531 2.45878858 3.55092781
 -2.34948953
 2.77681011 -2.47204368 0.99660338 -0.85961717 1.56207622 3.23067681
 3.33355693 -0.32402891 0.27142884 -3.11034076]
 Sample 2781: [0.46555941 0.7951879 0.51902522 2.48966304 3.4613425
 -2.35874416
 2.74506439 -2.54850805 1.04487313 -0.86383713 1.6015412 3.25581322
 3.2855889 -0.31192837 0.24829446 -2.95452174]
 Sample 2782: [0.45444547 0.83202519 0.43749587 2.50723353 3.52963149
 -2.38701612
 2.68737387 -2.49088663 1.05265528 -0.90835927 1.5650386 3.14449592
 3.29618225 -0.27639009 0.21126982 -2.94336179]
 Sample 2783: [0.45269728 0.78295109 0.49320617 2.44150522 3.53235575
 -2.45097091
 2.70586997 -2.41821968 1.08349381 -0.89419467 1.60462542 3.12018891
 3.29371761 -0.30631023 0.30906318 -2.92141245]
 Sample 2784: [0.48203667 0.79032079 0.42120391 2.45793147 3.57953044
 -2.45027803
 2.66057378 -2.37108173 0.99245132 -0.90616703 1.63679893 3.12311563
 3.25165057 -0.29636314 0.26030731 -2.94863678]
 Sample 2785: [0.48188126 0.78623051 0.44736022 2.37789227 3.52583432
 -2.53494657
 2.62733988 -2.39785696 1.03026584 -0.97733432 1.7053236 3.16516946
 3.22832874 -0.28737714 0.33605458 -2.8624363]
 Sample 2786: [0.52465592 0.75117415 0.47067947 2.33137475 3.52459558
 -2.53952457
 2.55354049 -2.47522933 0.94644572 -0.98499167 1.71959854 3.20930499
 3.25827007 -0.33632477 0.28873595 -2.91543807]
 Sample 2787: [0.56949088 0.77223193 0.40695157 2.25354174 3.36153499
 -2.51511814
 2.48840846 -2.50028408 0.96982385 -1.03996703 1.76102469 3.19546289
 3.21204101 -0.38057388 0.26349891 -2.98003225]
 Sample 2788: [0.53778207 0.73547629 0.45241369 2.3305692 3.46152994
 -2.53125093
 2.5350018 -2.38885238 0.91327977 -1.10007994 1.73926791 3.15086447
 3.28493918 -0.3626859 0.23879818 -2.99949454]
 Sample 2789: [0.50051728 0.79614765 0.42592675 2.28963841 3.39916683
 -2.57531184
 2.63735765 -2.33419732 0.93217197 -1.04642829 1.6740035 3.11401985
 3.32749956 -0.35318618 0.33412346 -3.00303717]
 Sample 2790: [0.45048475 0.79752793 0.49149976 2.3511029 3.39829451
 -2.52978041
 2.62156637 -2.29510356 0.89446949 -1.09379688 1.71344859 3.14655541
 3.36459819 -0.32503978 0.29034233 -3.02755]

Sample 2791: [0.37240828 0.74407299 0.45062047 2.33516067 3.42353715
 -2.46525944
 2.62730774 -2.31703405 0.89111058 -1.09883919 1.71865535 3.07815351
 3.32474177 -0.38271046 0.30015063 -3.11830352]
 Sample 2792: [0.44067279 0.74888118 0.45817271 2.42374151 3.33656781
 -2.41875372
 2.62095836 -2.3452672 0.82085192 -1.02195298 1.79774596 3.01927729
 3.26430311 -0.40906044 0.251633 -3.0900215]
 Sample 2793: [0.45516746 0.76532671 0.49305829 2.45092364 3.32810364
 -2.47852382
 2.63673993 -2.39078531 0.84765789 -1.05075349 1.73848773 3.02605843
 3.24491142 -0.39860622 0.30965886 -3.0888219]
 Sample 2794: [0.51940421 0.74593284 0.44132824 2.40707181 3.39138505
 -2.55272867
 2.58914869 -2.42242246 0.85931548 -1.13727077 1.79438482 2.99995036
 3.22303475 -0.42336839 0.36943387 -3.1761716]
 Sample 2795: [0.5851793 0.79652767 0.41680193 2.50028419 3.39435276
 -2.52532377
 2.6162125 -2.39505128 0.913129 -1.16400151 1.75049751 2.99727261
 3.35891006 -0.38942039 0.26102648 -3.24354665]
 Sample 2796: [0.59220966 0.72798158 0.45233238 2.47879134 3.50516915
 -2.59282931
 2.58238552 -2.42370834 0.89624878 -1.17128463 1.71566401 2.99770959
 3.37824134 -0.44305676 0.28012243 -3.17675855]
 Sample 2797: [0.53682424 0.74743628 0.42607656 2.45719433 3.45600923
 -2.57533087
 2.492329 -2.41819305 0.88614309 -1.23320669 1.78284239 2.98601183
 3.41777904 -0.41312685 0.19154672 -3.26507495]
 Sample 2798: [0.52390144 0.73187643 0.42655907 2.48025574 3.48758722
 -2.57304605
 2.68290484 -2.37501586 0.83083232 -1.21874109 1.80488728 3.06660144
 3.3624592 -0.4345695 0.27258175 -3.16530987]
 Sample 2799: [0.58540276 0.79666093 0.41459593 2.51784544 3.51299106
 -2.60122415
 2.74360147 -2.31815912 0.78135633 -1.30266986 1.69223575 3.08001315
 3.36826616 -0.50859291 0.35795289 -3.18845144]
 Sample 2800: [0.66268725 0.77394912 0.41392179 2.54834961 3.53808671
 -2.70788034
 2.79003174 -2.29009135 0.77097614 -1.26125894 1.67553525 3.1141843
 3.3269556 -0.45314209 0.35075651 -3.10139729]
 Sample 2801: [0.52233715 0.8261602 0.39606125 2.52580829 3.59577109
 -2.71990508
 2.80319117 -2.29473542 0.7239083 -1.2123818 1.70374309 2.96463608
 3.30081843 -0.43195543 0.33476272 -3.07788356]
 Sample 2802: [0.56295513 0.81438622 0.43358379 2.40602682 3.56700289
 -2.59310143
 2.82680961 -2.36819965 0.69107158 -1.17567493 1.70540316 3.02452598
 3.2053148 -0.40690988 0.39705957 -3.06397984]

Sample 2803: [0.52061208 0.80670338 0.45058688 2.42400137 3.64282309
 -2.61831493
 2.85923008 -2.34900823 0.55778026 -1.21818087 1.68313134 3.02332851
 3.26333832 -0.38097096 0.37954491 -3.00780733]
 Sample 2804: [0.59110968 0.83054282 0.41613785 2.44429759 3.61962612
 -2.55828877
 2.85338628 -2.42218868 0.56468565 -1.28213054 1.67832812 2.94899746
 3.28209468 -0.3101959 0.38920961 -3.00754101]
 Sample 2805: [0.58003107 0.86588619 0.46904391 2.44006436 3.51893032
 -2.58231892
 2.86281347 -2.48910495 0.62363851 -1.17936624 1.64306089 2.94943389
 3.2597669 -0.25109325 0.43274077 -3.05849226]
 Sample 2806: [0.54586903 0.89842532 0.44315644 2.47462651 3.5304244
 -2.57770151
 2.87777233 -2.52809299 0.61622971 -1.21415431 1.64676205 3.0515165
 3.18270859 -0.28732841 0.43291777 -2.97292415]
 Sample 2807: [0.53376308 0.80843747 0.48716699 2.43984278 3.6595454
 -2.58719
 2.88354775 -2.56174492 0.61732619 -1.1914613 1.74481244 3.09757454
 3.11469579 -0.3036275 0.41532993 -2.97481216]
 Sample 2808: [0.59636452 0.89590336 0.44304224 2.47399386 3.65864881
 -2.60072179
 2.89009591 -2.57612121 0.5660253 -1.18922707 1.71528984 3.03481677
 3.15906852 -0.25906852 0.42981032 -2.95780312]
 Sample 2809: [0.508762 0.81885507 0.51810664 2.49145683 3.62170138
 -2.65275201
 2.89775267 -2.61230903 0.50397457 -1.24954131 1.68122665 3.09241867
 3.11078199 -0.27245277 0.44700829 -3.07591968]
 Sample 2810: [0.46707067 0.85106168 0.49367834 2.49883058 3.65958979
 -2.67090646
 2.91955248 -2.53130911 0.54681611 -1.22570056 1.67183128 3.07935614
 3.05077789 -0.24921543 0.5023908 -3.0426237]
 Sample 2811: [0.50716133 0.82659183 0.51135019 2.45655004 3.66908776
 -2.6399104
 2.87947767 -2.52759103 0.49537176 -1.22624937 1.59142874 3.10969169
 3.02963849 -0.24782431 0.40021416 -2.97846156]
 Sample 2812: [0.48832514 0.83945262 0.46790678 2.4112592 3.63305669
 -2.59035403
 2.93635845 -2.48376719 0.42806777 -1.17897143 1.63879693 3.09650121
 3.0156983 -0.14258237 0.38377432 -2.97306679]
 Sample 2813: [0.570135 0.86665942 0.4702492 2.3277683 3.69704162
 -2.58685848
 3.01900317 -2.52437007 0.47820217 -1.1752737 1.62640075 3.13655207
 3.10397301 -0.18033123 0.41422368 -2.93339511]
 Sample 2814: [0.50411952 0.88838645 0.47461263 2.31866395 3.69500136
 -2.61422642
 3.00952577 -2.59299581 0.45906771 -1.17996777 1.66771956 3.21027955
 2.99934744 -0.20704669 0.473215 -2.91246076]

Sample 2815: [0.50577755 0.85710525 0.50847503 2.33732582 3.67886717
 -2.63200498
 2.99108819 -2.43335072 0.45829844 -1.18953347 1.67756787 3.15718518
 3.02432312 -0.22098233 0.44621023 -2.99508609]
 Sample 2816: [0.44401611 0.86423402 0.48324114 2.32675014 3.62937865
 -2.59560399
 3.01311433 -2.50323397 0.50871982 -1.11036267 1.69026921 3.10387788
 3.02918691 -0.21963553 0.46475828 -3.00431614]
 Sample 2817: [0.47691602 0.86066615 0.54062009 2.24554097 3.62329187
 -2.60050865
 2.95458837 -2.5391716 0.54546899 -1.12085104 1.74309524 3.06401485
 3.02437843 -0.25212758 0.44671495 -3.01523471]
 Sample 2818: [0.51900625 0.85635109 0.46536212 2.19164769 3.57975314
 -2.53853917
 2.8387243 -2.62194493 0.493063 -1.05046011 1.76945248 3.17015696
 2.97605264 -0.31348942 0.49041158 -2.95695379]
 Sample 2819: [0.52123711 0.81592523 0.49871217 2.19964609 3.57133421
 -2.57412745
 2.88480771 -2.58395798 0.51176651 -0.946613 1.7648292 3.13597857
 2.99580967 -0.32808976 0.43640007 -2.91904007]
 Sample 2820: [0.5033206 0.86662705 0.45861587 2.30471009 3.6154696
 -2.56886424
 2.96310973 -2.56951053 0.54099783 -0.93340905 1.88872229 3.10409205
 2.95397906 -0.34776668 0.46737508 -2.92706683]
 Sample 2821: [0.55890895 0.89169532 0.48198671 2.39457591 3.63830817
 -2.52232934
 2.9295995 -2.55535077 0.60338238 -0.98094575 1.75920813 3.14413052
 2.89859006 -0.33981161 0.41524242 -2.99048308]
 Sample 2822: [0.54778731 0.78053208 0.45347694 2.28326959 3.71850561
 -2.57268858
 2.90152297 -2.57778687 0.55327771 -0.99623569 1.73835752 3.0866929
 2.93929349 -0.27399857 0.35580141 -3.00645415]
 Sample 2823: [0.49921599 0.89091472 0.51152878 2.21138019 3.78040875
 -2.56817135
 2.91670506 -2.61867152 0.52144067 -0.91425738 1.70739624 2.99611042
 2.95510508 -0.33519633 0.39170038 -2.90654775]
 Sample 2824: [0.54778578 0.83375679 0.47927876 2.25066148 3.79538846
 -2.62321393
 2.87255845 -2.54752811 0.53480307 -0.85939184 1.76898314 2.96048955
 2.97109557 -0.35568205 0.37638733 -2.85925268]
 Sample 2825: [0.50253599 0.88807854 0.48843739 2.27066808 3.74694335
 -2.58135017
 2.8980501 -2.57383455 0.47253518 -0.85244015 1.81014368 2.94377486
 2.90802073 -0.42357197 0.36853602 -2.82700095]
 Sample 2826: [0.47241372 0.83526588 0.54338845 2.30081831 3.75800514
 -2.63843945
 2.99453189 -2.60670056 0.33607242 -0.84623328 1.82778553 2.85554764
 2.85714691 -0.46315616 0.29210483 -2.85682921]

Sample 2827: [0.4254682 0.88842265 0.54604245 2.34914987 3.78179201
 -2.626831
 2.97322286 -2.70905409 0.28011525 -0.89260493 1.86384087 2.87008509
 2.89381603 -0.46442878 0.33506281 -2.82832357]
 Sample 2828: [0.48231009 0.8702565 0.56509572 2.2917686 3.67208058
 -2.60795367
 2.97035213 -2.72809587 0.23796972 -0.84964921 1.8939919 2.89645762
 2.92723267 -0.30633451 0.32194705 -2.76670132]
 Sample 2829: [0.52552578 0.89483301 0.48874187 2.33171684 3.69392082
 -2.47275992
 3.03245251 -2.78920525 0.30047254 -0.84180885 1.91882401 2.93849622
 2.86741491 -0.27646615 0.297241 -2.71859951]
 Sample 2830: [0.54698426 0.98042054 0.52632766 2.27501798 3.62544716
 -2.51530615
 2.98210333 -2.68950071 0.3765287 -0.88429943 1.89246348 2.97901985
 2.85585044 -0.22023057 0.31143854 -2.75790964]
 Sample 2831: [0.52446883 0.89958128 0.45303884 2.35739702 3.6234612
 -2.5307635
 3.02015948 -2.6476805 0.34504871 -0.74864724 1.87902408 2.97869102
 2.90701674 -0.20243432 0.24052053 -2.73714653]
 Sample 2832: [0.57294067 0.87044215 0.45335975 2.37810136 3.61108137
 -2.4984318
 3.08243771 -2.62373703 0.27717349 -0.70196791 1.85401988 2.95838279
 2.88028706 -0.13655916 0.31671263 -2.83490438]
 Sample 2833: [0.47862956 0.90242973 0.50023079 2.43674695 3.59225847
 -2.46867682
 3.05744333 -2.64678402 0.22789815 -0.6823352 1.78178596 2.96477732
 2.80122611 -0.14289637 0.2850514 -2.78718112]
 Sample 2834: [0.51122997 0.86437846 0.51885079 2.50989721 3.59487347
 -2.49282124
 3.05711123 -2.63178951 0.20832318 -0.71240699 1.83724205 3.0249714
 2.80939957 -0.07421228 0.31259226 -2.83369604]
 Sample 2835: [0.47358507 0.89632973 0.47086148 2.52015876 3.6052111
 -2.46751012
 3.10614142 -2.59488276 0.15237898 -0.72775941 1.88255578 2.9615923
 2.84655881 -0.09203129 0.2609259 -2.81416144]
 Sample 2836: [0.47227427 0.91951681 0.47875921 2.45636294 3.5226538
 -2.4553789
 3.12787618 -2.57444911 0.22648065 -0.72699484 1.94950529 2.98797632
 2.85128407 -0.08262447 0.2953729 -2.85413365]
 Sample 2837: [0.43655205 0.9829343 0.5043412 2.42110055 3.53841162
 -2.44386586
 3.19460351 -2.63797428 0.22122507 -0.75995899 1.94379611 2.99925753
 2.84050151 -0.05267004 0.34503929 -2.85075654]
 Sample 2838: [0.41001462 0.92402871 0.55414243 2.44418884 3.50049255
 -2.41321387
 3.24696908 -2.5343204 0.24447409 -0.80203862 1.93882021 2.95695781
 2.84437912 0.02187189 0.43055104 -2.79272108]

Sample 2839: [0.42422335 0.91287318 0.50101305 2.41795863 3.67127416
 -2.39085608
 3.13658123 -2.60794249 0.28893638 -0.75549123 1.93494401 2.9430558
 2.83468463 -0.01491274 0.47244837 -2.70950729]
 Sample 2840: [0.41624227 0.94016433 0.55083032 2.48756495 3.67770899
 -2.43151931
 3.14342093 -2.5590279 0.27566962 -0.71775831 1.86035969 2.91153405
 2.84996599 -0.04047986 0.40471813 -2.63851629]
 Sample 2841: [0.3383495 0.87807506 0.51442429 2.47597785 3.55466125
 -2.42849624
 3.11547966 -2.6338283 0.29324801 -0.76933285 1.83411382 2.90901737
 2.77106538 0.01851515 0.36996051 -2.65931224]
 Sample 2842: [3.95331547e-01 8.78124751e-01 5.49059745e-01 2.39134525e+00
 3.64043383e+00 -2.46743933e+00 3.09671383e+00 -2.62961565e+00
 2.91115590e-01 -6.52282116e-01 1.82900010e+00 2.88275196e+00
 2.74974464e+00 1.14903528e-03 4.46060207e-01 -2.67445988e+00]
 Sample 2843: [0.37390311 0.91860294 0.53327115 2.40137823 3.54473783
 -2.46430003
 3.15441552 -2.65161775 0.19644848 -0.67606307 1.82867778 2.92337863
 2.83561219 0.05015281 0.48275818 -2.66584859]
 Sample 2844: [4.71264559e-01 9.63256901e-01 5.55355229e-01 2.46428999e+00
 3.48075991e+00 -2.52341062e+00 3.17597231e+00 -2.63068429e+00
 2.02921622e-01 -6.48183455e-01 1.87676727e+00 2.85024846e+00
 2.83417169e+00 -2.15043303e-03 4.41625694e-01 -2.64870211e+00]
 Sample 2845: [0.37908496 0.9604789 0.53290159 2.47565671 3.49941395
 -2.47428269
 3.11210711 -2.54638371 0.18938529 -0.67296557 1.84322377 2.81090091
 2.78963981 -0.02931244 0.4529617 -2.54685057]
 Sample 2846: [0.37290344 0.93370659 0.50916079 2.52667394 3.58220408
 -2.49113326
 3.12516912 -2.55082212 0.11842287 -0.69579262 1.79679801 2.85574864
 2.80129693 -0.02400528 0.43176119 -2.49768068]
 Sample 2847: [4.09129165e-01 9.04724899e-01 5.42957346e-01 2.48051851e+00
 3.62252000e+00 -2.48023864e+00 3.04816518e+00 -2.52133678e+00
 6.62427664e-02 -7.71760141e-01 1.82992891e+00 2.84701569e+00
 2.82872481e+00 1.39847713e-03 4.63690951e-01 -2.49378074e+00]
 Sample 2848: [0.41438043 0.89944141 0.45978063 2.52489313 3.64024633
 -2.45177274
 3.06098118 -2.49965199 0.12331424 -0.85454639 1.684106 2.86069704
 2.78990053 0.01671882 0.41677107 -2.50928424]
 Sample 2849: [0.49080416 0.91482574 0.51040691 2.577052 3.648473
 -2.49538598
 2.9996229 -2.54849127 0.11174543 -0.90917672 1.61022002 2.94965485
 2.83499703 0.05959426 0.3600024 -2.45228257]
 Sample 2850: [0.51478485 0.87259444 0.42354648 2.47351896 3.63654288
 -2.44804417
 2.87105309 -2.55699877 0.10506472 -1.00504746 1.57639751 3.02947416
 2.85298477 0.04872269 0.32939044 -2.6141903]

Sample 2851: [0.48243023 0.90902102 0.50918056 2.48003615 3.59085834
 -2.50260774
 2.93786952 -2.5008751 0.14269954 -1.03469687 1.48238834 2.9173219
 2.82707964 0.0574576 0.33364493 -2.72908227]
 Sample 2852: [0.44029058 0.81429268 0.47944197 2.46433886 3.57346843
 -2.51088076
 2.83163152 -2.45302084 0.09454918 -1.07540528 1.446125 2.93596763
 2.73550612 0.09987045 0.35207389 -2.76192113]
 Sample 2853: [0.4777714 0.85337513 0.49335543 2.37353614 3.49566415
 -2.57741971
 2.78680189 -2.51640075 0.11762321 -1.17534159 1.49376146 2.95057142
 2.79643667 0.14731543 0.31610064 -2.7652896]
 Sample 2854: [0.48890058 0.8076703 0.49332868 2.36828169 3.42817912
 -2.59334402
 2.84506863 -2.51395382 0.15454389 -1.06224586 1.53883575 2.98208042
 2.7418286 0.09803668 0.24723969 -2.82785365]
 Sample 2855: [0.46961343 0.82990576 0.47299002 2.36616181 3.3961183
 -2.53058041
 2.83580685 -2.49467685 -0.01540732 -1.04057508 1.61038832 2.96335408
 2.73275651 0.05781718 0.19413576 -2.74919158]
 Sample 2856: [0.43255303 0.80727662 0.51229861 2.40075129 3.34935764
 -2.55988903
 2.79712156 -2.43016306 -0.0330469 -1.09321425 1.66105817 2.99564183
 2.78824624 0.04149555 0.08928099 -2.7643434]
 Sample 2857: [5.16615233e-01 8.54903008e-01 4.79125207e-01 2.33329967e+00
 3.36395112e+00 -2.56982498e+00 2.76394933e+00 -2.45856011e+00
 -2.67050970e-04 -1.14363432e+00 1.70381474e+00 2.99644075e+00
 2.79593959e+00 8.67428029e-02 -1.98552915e-02 -2.82099714e+00]
 Sample 2858: [0.48677116 0.84578893 0.4167985 2.32906904 3.31682565
 -2.52653566
 2.83880646 -2.37152425 -0.09336808 -1.21432764 1.78313458 2.96996085
 2.74356719 0.05365871 -0.07051134 -2.79708013]
 Sample 2859: [0.52398051 0.8302714 0.43876691 2.21951913 3.22235012
 -2.53687922
 2.80517688 -2.34079744 0.01532719 -1.25572198 1.77269848 2.93800854
 2.77861847 -0.00688767 -0.06441452 -2.69074457]
 Sample 2860: [0.50987129 0.85465073 0.38750826 2.18982655 3.26295913
 -2.53969738
 2.76250569 -2.26658223 0.03570748 -1.23297665 1.80096565 2.85394297
 2.78267857 0.0404064 -0.06674493 -2.66952187]
 Sample 2861: [5.50904664e-01 7.93148740e-01 3.94695625e-01 2.11661375e+00
 3.21897172e+00 -2.62139484e+00 2.75458637e+00 -2.27729290e+00
 -7.27226116e-03 -1.25155757e+00 1.77052128e+00 2.79316805e+00
 2.78239033e+00 2.36361122e-03 -6.22132604e-02 -2.60809291e+00]
 Sample 2862: [0.53584742 0.83777595 0.40287925 2.10097521 3.21373902
 -2.54483159
 2.79641726 -2.21376865 0.04619787 -1.22089422 1.73038949 2.82173905
 2.77496073 0.02119913 -0.00742309 -2.65806602]

Sample 2863: [0.55446515 0.81711157 0.35066454 2.18490214 3.23588564
 -2.54117454
 2.85095272 -2.26715315 0.02082401 -1.13139483 1.81766418 2.78905017
 2.72922748 -0.03704991 -0.00978118 -2.68953666]
 Sample 2864: [5.22332336e-01 8.83039387e-01 4.60485591e-01 2.14114085e+00
 3.24357108e+00 -2.57021410e+00 2.91275587e+00 -2.29729801e+00
 -2.17904477e-03 -1.16316038e+00 1.87078398e+00 2.68397645e+00
 2.76012008e+00 -2.21529550e-02 2.46296707e-03 -2.66569956e+00]
 Sample 2865: [0.38189314 0.8869783 0.44572087 2.24074941 3.26770226
 -2.58287973
 2.92432346 -2.25710855 0.0443085 -1.12527066 1.88873984 2.66464317
 2.86219922 -0.06548858 -0.03160304 -2.67010474]
 Sample 2866: [4.55184393e-01 8.56622648e-01 4.62199017e-01 2.22502978e+00
 3.30922940e+00 -2.54544410e+00 2.88892065e+00 -2.37091012e+00
 5.75865229e-02 -1.04427341e+00 1.88843382e+00 2.64713017e+00
 2.84279123e+00 4.22409499e-04 3.90412713e-02 -2.61119160e+00]
 Sample 2867: [0.49588639 0.81174442 0.46450925 2.26604936 3.32417135
 -2.51775663
 2.80439164 -2.37255833 0.08340856 -1.01730457 1.86991277 2.55636043
 2.85273216 -0.08842144 0.08638447 -2.67160245]
 Sample 2868: [0.522342 0.81180413 0.44781912 2.35560108 3.3692829
 -2.46506274
 2.78479158 -2.48454989 -0.01044473 -1.13820589 1.8756694 2.59290841
 2.82386998 -0.14669396 0.03255414 -2.70450295]
 Sample 2869: [0.50310649 0.82175494 0.43242745 2.36018107 3.36324479
 -2.47348531
 2.89359859 -2.54349376 -0.08077553 -1.04355831 1.85274489 2.64979429
 2.8507157 -0.08960447 0.07338619 -2.67953923]
 Sample 2870: [0.53690297 0.88995991 0.47445395 2.30908964 3.35267624
 -2.41461675
 2.92088233 -2.5281972 -0.04820753 -1.06842375 1.84078507 2.55569665
 2.67944022 -0.14628145 0.08835774 -2.73712894]
 Sample 2871: [0.44553982 0.79916433 0.45827825 2.35199397 3.3663512
 -2.34413931
 2.86670421 -2.57221902 -0.03311727 -1.09689962 1.81771063 2.5035194
 2.61808152 -0.11758397 0.08934543 -2.74887766]
 Sample 2872: [0.51062031 0.80101099 0.47053524 2.35901156 3.45625592
 -2.32484525
 2.7733 -2.56328147 0.00867916 -1.11788819 1.76303279 2.45346811
 2.59431971 -0.20058858 0.09396517 -2.63738062]
 Sample 2873: [0.52306348 0.78301197 0.462227 2.32621157 3.55786268
 -2.32525912
 2.71892741 -2.51534155 -0.01103726 -1.15543381 1.76249959 2.33598955
 2.55489873 -0.23941807 0.18053554 -2.6652579]
 Sample 2874: [0.52233223 0.78723046 0.43980209 2.41089748 3.4557125
 -2.38003432
 2.65586098 -2.45144039 0.03595147 -1.19760009 1.82918367 2.24735596
 2.46158639 -0.22515485 0.22015345 -2.64144532]

Sample 2875: [4.15531945e-01 7.99876171e-01 4.76828743e-01 2.39032398e+00
3.48098363e+00 -2.35399621e+00 2.78045257e+00 -2.40058983e+00
2.65570586e-03 -1.18434812e+00 1.79504196e+00 2.19069725e+00
2.49406707e+00 -2.22920852e-01 2.15461354e-01 -2.65649383e+00]

Sample 2876: [0.42502263 0.84613585 0.49425995 2.37201669 3.50696856
-2.38751226
2.67989675 -2.38379163 0.01329293 -1.19055907 1.82235791 2.21320626
2.56121369 -0.26150275 0.17820267 -2.66799726]

Sample 2877: [0.38786632 0.79951563 0.49604816 2.32871501 3.51278895
-2.4269294
2.59501632 -2.43865905 0.07766283 -1.21551343 1.78846754 2.17783367
2.59235344 -0.34420573 0.13531955 -2.66295242]

Sample 2878: [0.44325919 0.78923816 0.48096233 2.36681574 3.45549095
-2.47153766
2.62722488 -2.38607003 0.02449347 -1.27477992 1.76296203 2.18048021
2.60704833 -0.31270346 0.11840818 -2.66126874]

Sample 2879: [0.46764824 0.77452206 0.41709069 2.37455506 3.44381128
-2.373003
2.55335998 -2.35026539 -0.00386195 -1.27817902 1.67277371 2.26517109
2.61863633 -0.25743056 0.08719661 -2.69185908]

Sample 2880: [0.46575207 0.74946611 0.43869949 2.4108012 3.52800431
-2.42281117
2.4782531 -2.35359484 0.02069368 -1.28431882 1.73800259 2.31164319
2.66858047 -0.15201396 0.14396224 -2.70664032]

Sample 2881: [0.50999997 0.74155696 0.44375633 2.42540367 3.54658483
-2.43370927
2.53121245 -2.36722608 0.02582679 -1.31393166 1.73577099 2.37997194
2.77075688 -0.17767914 0.08043753 -2.75968062]

Sample 2882: [0.50987647 0.74750272 0.45832963 2.37080476 3.55825881
-2.46802536
2.52912314 -2.38761918 0.00701693 -1.32997253 1.8089772 2.34374347
2.8200371 -0.1390215 0.01166346 -2.76864867]

Sample 2883: [0.54425441 0.78902253 0.4338207 2.52510282 3.57516915
-2.50827867
2.51050669 -2.42720116 -0.04096276 -1.41276595 1.83821258 2.45067765
2.77434384 -0.18871972 0.03765813 -2.7735085]

Sample 2884: [0.49597246 0.76324392 0.46376877 2.49274075 3.57396003
-2.47748726
2.59950865 -2.52657982 -0.11807789 -1.3870216 1.8883285 2.45190232
2.76458026 -0.1705198 0.11156412 -2.77578591]

Sample 2885: [0.48668797 0.75457752 0.5108422 2.44232346 3.57254282
-2.4467104
2.51964697 -2.51769209 -0.22288093 -1.30781531 1.91850955 2.5076334
2.75067289 -0.12259555 0.11322993 -2.74289464]

Sample 2886: [0.44543279 0.73375265 0.4791776 2.3903114 3.48647414
-2.37083265
2.52737962 -2.55934804 -0.26201345 -1.31361543 1.96045472 2.47262308
2.71226749 -0.10530992 0.07952752 -2.79262163]

Sample 2887: [0.38879531 0.73313623 0.49756459 2.37435288 3.51491313
 -2.32506034
 2.46116463 -2.52059761 -0.32954002 -1.3419546 1.92270811 2.47900454
 2.76840716 -0.03940575 0.09106828 -2.75773218]
 Sample 2888: [0.41879693 0.79261118 0.47582415 2.40209517 3.50007847
 -2.31566126
 2.46988559 -2.39174836 -0.31219546 -1.399231 1.90154661 2.39924587
 2.69525018 -0.02170546 0.14185746 -2.74867878]
 Sample 2889: [0.39280508 0.71091459 0.48353018 2.40841282 3.59044027
 -2.30251993
 2.34030605 -2.34680937 -0.35372107 -1.32445328 1.96043646 2.41266547
 2.69958918 -0.12755929 0.23553632 -2.73017771]
 Sample 2890: [0.39306733 0.69668421 0.48105935 2.45520307 3.49258393
 -2.3158956
 2.38789933 -2.44057699 -0.3779309 -1.25308938 1.96739443 2.42106028
 2.71834764 -0.23611908 0.26191655 -2.81059142]
 Sample 2891: [0.3979136 0.69879643 0.52016719 2.44555844 3.5096019
 -2.35305514
 2.32550048 -2.41459203 -0.37855435 -1.28759122 1.92994718 2.39163985
 2.6688808 -0.11860425 0.23539331 -2.68955293]
 Sample 2892: [0.33705358 0.69991791 0.4566814 2.42843214 3.63764246
 -2.33493155
 2.25474519 -2.37498793 -0.36546837 -1.29077005 1.94606327 2.42666398
 2.64984394 -0.11691895 0.20183863 -2.75839143]
 Sample 2893: [0.41799097 0.66713105 0.49844619 2.40647499 3.66776045
 -2.3103842
 2.14999214 -2.30960188 -0.40012241 -1.31937154 1.96762195 2.45566112
 2.61389258 -0.0586611 0.20226325 -2.74066187]
 Sample 2894: [0.40180752 0.66065645 0.41672018 2.42428334 3.62433091
 -2.30200451
 2.15368121 -2.31353269 -0.49182932 -1.30495157 1.98885009 2.44834693
 2.63062682 -0.03942319 0.22981456 -2.74966763]
 Sample 2895: [0.38863644 0.66332119 0.49140718 2.37910837 3.70571791
 -2.3662538
 2.08244294 -2.29025456 -0.53765169 -1.24273717 1.99095355 2.44366095
 2.63344531 -0.11452117 0.27341741 -2.67798124]
 Sample 2896: [0.38511091 0.69710522 0.4650349 2.3575786 3.69903466
 -2.37457722
 2.13243405 -2.33500419 -0.49342785 -1.26676753 1.97222813 2.49255376
 2.69572467 -0.14911218 0.29790878 -2.71274431]
 Sample 2897: [0.38352845 0.72462402 0.47725323 2.2970348 3.71056751
 -2.42884007
 2.03267886 -2.38869949 -0.47255651 -1.2717812 2.12110286 2.47247541
 2.71176226 -0.13180978 0.26435174 -2.79733709]
 Sample 2898: [0.4432509 0.62835215 0.52394182 2.3191274 3.81774434
 -2.39998993
 2.05995186 -2.33821037 -0.38991258 -1.21886777 2.17044518 2.43129824
 2.73512115 -0.16889645 0.26660393 -2.7051215]

Sample 2899: [0.31902488 0.65617324 0.48250625 2.35425119 3.78436876
 -2.44074291
 2.034953 -2.37243282 -0.44874468 -1.20446102 2.23264348 2.41169749
 2.72276875 -0.13817794 0.24910797 -2.72382149]
 Sample 2900: [0.40769284 0.70620557 0.47173668 2.40993084 3.83497912
 -2.42630619
 2.12519874 -2.37649248 -0.43658116 -1.11442152 2.2298623 2.36064857
 2.73537395 -0.05308813 0.27446996 -2.73355619]
 Sample 2901: [0.43277336 0.65798597 0.51285079 2.52136151 3.88915886
 -2.44520507
 2.18524272 -2.4005956 -0.51273028 -1.05105961 2.22685452 2.3986027
 2.67305426 -0.05765249 0.26065524 -2.68081493]
 Sample 2902: [0.38364134 0.69518864 0.50020743 2.56902701 3.87969603
 -2.46300887
 2.19052815 -2.43090185 -0.41254461 -1.10639589 2.13277613 2.50076139
 2.77521159 -0.02947767 0.24214857 -2.64662836]
 Sample 2903: [0.37563604 0.73630059 0.51570137 2.61402777 3.78538927
 -2.46494247
 2.19783138 -2.44073441 -0.40847389 -1.1049073 2.14223854 2.46229466
 2.78073702 -0.03186941 0.2247651 -2.65333553]
 Sample 2904: [0.40327864 0.70441981 0.52275425 2.55644753 3.69214871
 -2.5359522
 2.18991881 -2.48196835 -0.35823544 -1.19356592 2.07256387 2.57171175
 2.71719844 -0.07432899 0.20816023 -2.65726567]
 Sample 2905: [0.5031419 0.71249546 0.52368162 2.56316086 3.76389455
 -2.65363544
 2.25765572 -2.53681201 -0.38990072 -1.23631049 2.01721505 2.57837292
 2.70998946 -0.06586289 0.19355792 -2.62382075]
 Sample 2906: [0.48421854 0.69819824 0.47366185 2.55348704 3.71382157
 -2.64405512
 2.34174608 -2.54383774 -0.39637128 -1.21338559 1.96848865 2.5788593
 2.69297178 -0.05942042 0.06410612 -2.6623505]
 Sample 2907: [0.47758503 0.7267409 0.53416497 2.56443127 3.70132587
 -2.58630387
 2.32711178 -2.53650194 -0.3830853 -1.20523707 1.94074628 2.57027561
 2.70475504 -0.09589388 0.04724798 -2.64545493]
 Sample 2908: [4.59278759e-01 7.85710356e-01 5.38307404e-01 2.62735849e+00
 3.63217862e+00 -2.64484247e+00 2.39411536e+00 -2.58296987e+00
 -3.93595356e-01 -1.23586924e+00 2.03099573e+00 2.62856386e+00
 2.79413234e+00 -7.54487811e-02 2.44756712e-03 -2.66545425e+00]
 Sample 2909: [4.86978292e-01 7.25798558e-01 5.26798705e-01 2.65545476e+00
 3.63253243e+00 -2.72790584e+00 2.39141906e+00 -2.68493790e+00
 -3.85104263e-01 -1.20116212e+00 2.04822880e+00 2.56166968e+00
 2.75227815e+00 -8.80297067e-02 1.34237623e-03 -2.70064841e+00]
 Sample 2910: [0.5529153 0.7362333 0.52409488 2.72066552 3.6910204
 -2.75571743
 2.3689867 -2.67070881 -0.34029336 -1.15905436 2.07262424 2.49292507
 2.75516789 -0.04123584 0.06140301 -2.72379021]

Sample 2911: [0.56959064 0.65322224 0.48619937 2.69602199 3.74523013
 -2.81770167
 2.26990259 -2.70546451 -0.43561149 -1.13025586 1.97463124 2.47966239
 2.74858876 -0.01305739 0.15604968 -2.81833586]
 Sample 2912: [0.65809186 0.72771328 0.49939634 2.71373982 3.73700071
 -2.88695075
 2.26878575 -2.69849659 -0.47088379 -1.17682337 1.92099083 2.47669619
 2.74493699 -0.11249749 0.19999755 -2.86852941]
 Sample 2913: [0.57974357 0.64791339 0.47239244 2.76943921 3.71298938
 -2.83980771
 2.22272855 -2.73932128 -0.43717775 -1.13899555 1.94335419 2.46304714
 2.75837259 -0.06751137 0.13860643 -2.83015966]
 Sample 2914: [0.582897 0.72445994 0.5102247 2.72680209 3.62521232
 -2.82751196
 2.4156152 -2.69775234 -0.43762699 -1.15221672 1.92064617 2.43388183
 2.84873274 -0.098398 0.13387711 -2.79756607]
 Sample 2915: [0.52008703 0.77371645 0.5545207 2.74544977 3.58283244
 -2.78131697
 2.34331238 -2.79532926 -0.4493188 -1.19073182 1.88044315 2.51022567
 2.69103488 -0.0733229 0.0646836 -2.83810808]
 Sample 2916: [5.08825556e-01 6.91343506e-01 5.23486825e-01 2.70769382e+00
 3.62676400e+00 -2.79880931e+00 2.31726750e+00 -2.80899937e+00
 -4.99507641e-01 -1.19283752e+00 1.92484381e+00 2.47899534e+00
 2.70280184e+00 -9.57257898e-02 -8.14369592e-04 -2.80739218e+00]
 Sample 2917: [0.54460404 0.74667029 0.56376951 2.6338184 3.59323499
 -2.81604232
 2.22500923 -2.76358515 -0.49017766 -1.1911534 1.91024051 2.49397868
 2.75605729 -0.06500854 0.0139543 -2.7868415]
 Sample 2918: [0.56752127 0.6634677 0.51749867 2.58616599 3.62474423
 -2.91299003
 2.31216269 -2.7427966 -0.52781669 -1.15592437 1.93198154 2.57062093
 2.76176411 0.01010025 0.06955914 -2.8689927]
 Sample 2919: [0.57288251 0.75364486 0.52485523 2.58829823 3.57278464
 -2.91797708
 2.34294935 -2.73558846 -0.57324266 -1.17099874 1.94928333 2.60425914
 2.80312131 0.0600688 0.06597592 -2.8570479]
 Sample 2920: [0.56061088 0.71027719 0.51495264 2.63584917 3.58407897
 -2.99361507
 2.38809935 -2.62579911 -0.62019487 -1.21422843 1.97816928 2.55979567
 2.76792869 0.12454908 0.10786133 -2.83035327]
 Sample 2921: [0.55716172 0.77295835 0.49992299 2.60770263 3.54541681
 -2.99032114
 2.42299915 -2.60234321 -0.56997953 -1.22320898 2.03746934 2.5615665
 2.81790984 0.08590804 0.10462421 -2.81144903]
 Sample 2922: [0.58008077 0.74626019 0.56733505 2.52259417 3.4700276
 -2.99833848
 2.41339408 -2.6075275 -0.56140354 -1.28575007 2.07096423 2.58057117
 2.74556663 0.03912151 0.03504059 -2.86102387]

Sample 2923: [0.49304509 0.74132046 0.5390063 2.56655011 3.42328986
 -3.0425257
 2.40997961 -2.70344549 -0.59888849 -1.24770469 2.05519417 2.59267038
 2.66351691 -0.05464377 0.03287935 -2.84704049]
 Sample 2924: [0.5595684 0.72383428 0.58337015 2.58640338 3.52701937
 -2.98521667
 2.44558317 -2.71361302 -0.60961415 -1.23394815 2.06230552 2.56623329
 2.70759926 -0.02311133 0.00680132 -2.877706]
 Sample 2925: [0.54743998 0.78869471 0.54813314 2.50008644 3.49205236
 -3.06662786
 2.45278181 -2.78530333 -0.6185685 -1.35450422 1.97171281 2.59000587
 2.73135718 -0.04965561 -0.02099907 -2.82186829]
 Sample 2926: [0.61664964 0.79991872 0.54054638 2.43896804 3.5371762
 -3.10573394
 2.46692571 -2.68036419 -0.67807527 -1.41276022 1.9942607 2.58686112
 2.68298738 -0.09651674 0.09470214 -2.85492269]
 Sample 2927: [0.55667974 0.79417843 0.52525352 2.48997032 3.45705061
 -3.05155034
 2.40371602 -2.72757062 -0.69707942 -1.41733822 1.94449279 2.58526576
 2.81618182 -0.06827258 0.09194988 -2.81822524]
 Sample 2928: [0.60201216 0.73786414 0.53005491 2.43952346 3.5101344
 -3.03004346
 2.43262556 -2.64754227 -0.64650796 -1.3866493 1.92466944 2.58944767
 2.83412837 -0.04833067 -0.01063502 -2.77551276]
 Sample 2929: [0.58183316 0.71567373 0.48055107 2.48534613 3.5037085
 -3.10873601
 2.35032081 -2.7104324 -0.61115676 -1.41177829 1.95059758 2.5721842
 2.83844558 -0.16330881 0.10570036 -2.76666648]
 Sample 2930: [0.66115881 0.74676777 0.54676703 2.45907794 3.40631745
 -3.10003675
 2.37324953 -2.75748759 -0.65198562 -1.37242673 1.92664772 2.56602087
 2.70468226 -0.18680046 0.21588614 -2.8243101]
 Sample 2931: [0.55029732 0.72521038 0.51679451 2.48680252 3.43918203
 -3.17051304
 2.39767226 -2.73774841 -0.61534532 -1.46011404 1.90786929 2.58089207
 2.72738926 -0.32608073 0.25607466 -2.83901279]
 Sample 2932: [0.61264876 0.72691933 0.56152024 2.49306036 3.41923168
 -3.20073015
 2.41648739 -2.78199895 -0.60645573 -1.52549903 1.96222053 2.62490468
 2.7650408 -0.28575885 0.21189395 -2.84704309]
 Sample 2933: [0.66937467 0.69104257 0.48346719 2.49943806 3.4231033
 -3.13930275
 2.36178498 -2.78880028 -0.58756807 -1.52080712 1.99425723 2.65931353
 2.79644642 -0.33197722 0.17596666 -2.92741503]
 Sample 2934: [0.580368 0.70375225 0.53727204 2.41818139 3.52507718
 -3.06669538
 2.3708571 -2.73770689 -0.5940505 -1.4835488 1.97255529 2.66391141
 2.81698599 -0.32477991 0.21622885 -2.95375081]

Sample 2935: [0.57901189 0.70168276 0.53922121 2.42318887 3.47881961
 -3.11950755
 2.36179589 -2.74087949 -0.61465226 -1.51255572 2.02446797 2.53845719
 2.80152814 -0.34098841 0.25131503 -2.95787547]
 Sample 2936: [0.5725935 0.6954735 0.53585628 2.5138367 3.45831546
 -3.06971911
 2.32655962 -2.65737009 -0.64868682 -1.544122 2.03180649 2.54414142
 2.79093797 -0.30019882 0.27903864 -2.93689585]
 Sample 2937: [0.58710969 0.69330981 0.54168856 2.54860719 3.5056402
 -3.07673742
 2.32878184 -2.6604367 -0.65593555 -1.51638596 2.07538395 2.50441499
 2.72877262 -0.33272678 0.23386411 -2.95748306]
 Sample 2938: [0.62704313 0.63588687 0.47941119 2.55980735 3.45468543
 -3.0926208
 2.27622174 -2.62696704 -0.7113742 -1.54148997 2.09625902 2.58872235
 2.82094828 -0.3768476 0.22616398 -2.93507363]
 Sample 2939: [0.63427672 0.69120642 0.44830459 2.60278971 3.44523275
 -2.98787032
 2.26012314 -2.58792416 -0.66654732 -1.46490903 2.18229345 2.62598422
 2.91169887 -0.40682954 0.19881046 -2.85236856]
 Sample 2940: [0.62880704 0.6939826 0.43669833 2.55766548 3.51610959
 -3.05568198
 2.24820024 -2.51914032 -0.67989499 -1.48005546 2.14792888 2.61326437
 2.87772744 -0.36140461 0.20183959 -2.85434855]
 Sample 2941: [0.63978033 0.69372319 0.48745919 2.58253529 3.43474671
 -3.04837024
 2.05966757 -2.54795403 -0.700123 -1.47807754 2.11235144 2.64945791
 2.83450907 -0.4214174 0.2701173 -2.79995054]
 Sample 2942: [0.5650217 0.67527884 0.50817121 2.54283699 3.49617643
 -3.00364669
 2.0907949 -2.58188694 -0.64946966 -1.45751658 2.08190748 2.64762903
 2.82960803 -0.48558836 0.37338209 -2.7613873]
 Sample 2943: [0.50199632 0.63688629 0.57654203 2.50816512 3.52934745
 -2.95771139
 2.01550539 -2.62611749 -0.57833773 -1.40001315 2.10314157 2.59422281
 2.80500211 -0.46412328 0.33400426 -2.61618273]
 Sample 2944: [0.49120614 0.68646681 0.54270363 2.49200714 3.49824744
 -2.9519645
 1.94965393 -2.58506589 -0.42295926 -1.29381705 2.14307945 2.57965995
 2.80394199 -0.51827375 0.38127541 -2.63100527]
 Sample 2945: [0.43238555 0.65936312 0.55726071 2.44169536 3.49115479
 -2.96339452
 2.0204829 -2.67913365 -0.45390619 -1.37888475 2.18431771 2.62529847
 2.7999458 -0.53998533 0.3628448 -2.59389782]
 Sample 2946: [0.50127913 0.68131411 0.53222761 2.35131134 3.45503746
 -2.93349692
 1.99756674 -2.5991817 -0.52702509 -1.36433909 2.13228974 2.5838779
 2.78611682 -0.58053471 0.32395519 -2.56997504]

Sample 2947: [0.48781384 0.61406775 0.58024712 2.37340987 3.37915384
 -2.91143547
 1.99448807 -2.6416732 -0.51300146 -1.34927717 2.06598009 2.43421193
 2.70911718 -0.67953551 0.42245925 -2.64165877]
 Sample 2948: [0.53383434 0.6319258 0.48750641 2.30811188 3.30179249
 -2.87641455
 1.9201287 -2.62401997 -0.57348472 -1.26021095 2.12499339 2.50456917
 2.71781147 -0.63270903 0.38278544 -2.66924514]
 Sample 2949: [0.60344918 0.67806171 0.47139805 2.1826717 3.4121948
 -2.91803585
 1.98088006 -2.70410487 -0.52167006 -1.27961492 2.12325115 2.57966093
 2.65081584 -0.63048646 0.40557991 -2.7209186]
 Sample 2950: [0.66887966 0.61188571 0.45774816 2.14026756 3.32967795
 -2.83564228
 2.01430906 -2.6497808 -0.52677107 -1.2166956 2.1075943 2.59436201
 2.68474311 -0.64686616 0.4815055 -2.72428533]
 Sample 2951: [0.61860573 0.66147802 0.47611748 2.09512752 3.35070059
 -2.86392858
 1.99742367 -2.67700745 -0.49533453 -1.20876857 2.18356109 2.62964549
 2.70053817 -0.63659351 0.41147955 -2.71590399]
 Sample 2952: [0.57537011 0.66544607 0.49910629 2.04958946 3.31383642
 -2.70662878
 2.09411913 -2.69895086 -0.43962911 -1.19900581 2.18228988 2.51933034
 2.71117121 -0.64158215 0.43218098 -2.81321795]
 Sample 2953: [0.53991051 0.71552644 0.49687715 2.08452485 3.40253808
 -2.78831056
 2.14131531 -2.63953556 -0.42784621 -1.18953675 2.21359307 2.54068897
 2.75794415 -0.6659529 0.45652082 -2.75544361]
 Sample 2954: [0.60699379 0.66426184 0.46283913 2.13403544 3.44012825
 -2.84836293
 2.1797124 -2.62768252 -0.38471223 -1.20755587 2.08172324 2.61525546
 2.68736643 -0.64187948 0.41011782 -2.73890764]
 Sample 2955: [0.55056204 0.6509924 0.45323233 2.11439685 3.37419946
 -2.80551979
 2.10044711 -2.57751758 -0.42279088 -1.19036196 2.12311054 2.53686115
 2.7364594 -0.68971131 0.33806229 -2.76488381]
 Sample 2956: [0.58089592 0.68759324 0.45228122 2.1345878 3.39258206
 -2.76648706
 2.11389211 -2.55256385 -0.47659694 -1.27818575 2.12282451 2.56868306
 2.67544693 -0.70520558 0.24608163 -2.73311936]
 Sample 2957: [0.56401935 0.67110733 0.43191638 2.18085816 3.38234079
 -2.78674851
 2.17334802 -2.54594344 -0.48524513 -1.26742004 2.09542731 2.63182707
 2.76209981 -0.70561045 0.28058812 -2.75372477]
 Sample 2958: [0.56064601 0.71992655 0.55200157 2.18706987 3.33248418
 -2.85008902
 2.18721176 -2.64054543 -0.55432351 -1.2083282 2.02658934 2.62705323
 2.80370018 -0.71471654 0.25122763 -2.74443472]

Sample 2959: [0.50490705 0.67713743 0.5041345 2.12244303 3.3178936
 -2.81654844
 2.2143983 -2.63046625 -0.52770999 -1.19880749 2.00141179 2.65701407
 2.76023848 -0.69254529 0.21297315 -2.69661729]
 Sample 2960: [0.47429191 0.71940545 0.5688676 2.11408228 3.35258723
 -2.7888116
 2.232254 -2.621196 -0.57949622 -1.25171674 2.05581784 2.57525194
 2.8188947 -0.63399851 0.2596109 -2.70608556]
 Sample 2961: [0.47211377 0.72793704 0.56168812 2.08213211 3.33564661
 -2.77071851
 2.28172773 -2.66972502 -0.65482508 -1.25916716 2.09926927 2.60003665
 2.84577582 -0.63549401 0.32659244 -2.79752231]
 Sample 2962: [0.4877239 0.69704915 0.55334451 2.11222597 3.31183777
 -2.78540662
 2.2571815 -2.6311965 -0.65787504 -1.31051686 2.02821586 2.65979786
 2.84256636 -0.61673936 0.33586945 -2.77426269]
 Sample 2963: [0.47219474 0.67513719 0.52505261 2.13461164 3.25914838
 -2.78113827
 2.24616715 -2.67971596 -0.71758386 -1.32784202 2.00584776 2.67079636
 2.76360188 -0.68575912 0.24260817 -2.85712546]
 Sample 2964: [0.45035638 0.75323444 0.57096596 2.15223267 3.28090762
 -2.69099902
 2.20398837 -2.71547174 -0.71416237 -1.28796219 2.0817101 2.70966954
 2.82064891 -0.71572183 0.18200657 -2.84910094]
 Sample 2965: [0.48550423 0.7134628 0.56530507 2.18705022 3.26097033
 -2.64935969
 2.19840391 -2.7380048 -0.74441129 -1.32997487 2.09303633 2.80513876
 2.80284014 -0.58865999 0.19974252 -2.84854498]
 Sample 2966: [0.44889297 0.70498377 0.58278677 2.21603075 3.22458899
 -2.73127465
 2.15732722 -2.67166712 -0.70833637 -1.32675528 2.09022293 2.75317705
 2.83499152 -0.59833304 0.21653009 -2.77271825]
 Sample 2967: [0.46683998 0.73559613 0.5579329 2.15670028 3.2401801
 -2.74522725
 2.24453968 -2.65756557 -0.68216423 -1.3351202 2.08496184 2.816285
 2.78740326 -0.64538796 0.17655462 -2.73855288]
 Sample 2968: [0.52592406 0.70640663 0.51941055 2.15287845 3.26474551
 -2.73454152
 2.30352715 -2.57615962 -0.693507 -1.22777766 2.14411875 2.82870541
 2.74908925 -0.7047601 0.05096411 -2.77309562]
 Sample 2969: [0.59900305 0.75667547 0.42099693 2.0606071 3.35827091
 -2.77821945
 2.32450823 -2.55006308 -0.65010296 -1.24327787 2.12368319 2.84848321
 2.7218497 -0.77354733 0.0239327 -2.79847593]
 Sample 2970: [0.57025013 0.69872999 0.43915794 2.03160558 3.3786166
 -2.81711619
 2.44313909 -2.62833995 -0.57519809 -1.29733539 2.16314056 2.87619093
 2.75354753 -0.75847649 -0.04764352 -2.76943885]

Sample 2971: [0.63547425 0.77962982 0.47552299 2.11700116 3.2414783
 -2.77457411
 2.45608972 -2.6505415 -0.60716984 -1.31343318 2.17294591 2.81021363
 2.76480743 -0.777161 -0.03711316 -2.79496726]
 Sample 2972: [0.56516892 0.73345309 0.44528691 2.0814136 3.22466865
 -2.79075561
 2.45814387 -2.71402974 -0.60722085 -1.35563804 2.14411092 2.79767469
 2.80441211 -0.86255286 -0.00701801 -2.84862558]
 Sample 2973: [0.61799495 0.71555353 0.52071691 2.12203406 3.17568943
 -2.78730351
 2.41674334 -2.70385979 -0.6854673 -1.40724503 2.1561232 2.85558212
 2.78181138 -0.96497592 -0.05984443 -2.9201335]
 Sample 2974: [0.53648702 0.77241475 0.50337079 2.05776256 3.15845428
 -2.73409972
 2.50914996 -2.77316994 -0.70618695 -1.33606804 2.18779384 2.82914626
 2.76600937 -0.94808893 -0.12690034 -2.90925495]
 Sample 2975: [0.50915306 0.71308072 0.55692295 2.13424587 3.21661897
 -2.74539863
 2.47486795 -2.6631389 -0.73020833 -1.39496431 2.24737529 2.9303114
 2.80918222 -0.87342883 -0.12440177 -2.94633739]
 Sample 2976: [0.49006422 0.76027725 0.53259547 2.19359948 3.1832329
 -2.69102425
 2.46419738 -2.73105419 -0.81384897 -1.2637295 2.14686743 2.8973032
 2.8587473 -0.85782874 -0.09951771 -2.93750224]
 Sample 2977: [0.49045987 0.74127174 0.58005501 2.08895327 3.08267731
 -2.69851187
 2.49786004 -2.71098238 -0.89816551 -1.2169411 2.13736475 2.90257675
 2.84373877 -0.87299028 -0.07409889 -3.00800798]
 Sample 2978: [0.40616705 0.7841381 0.5718758 2.06902104 3.1023296
 -2.62593162
 2.43055015 -2.86287313 -0.9392966 -1.17261528 2.15865271 2.89156764
 3.00742594 -0.8175524 -0.09758694 -2.99280216]
 Sample 2979: [0.43228614 0.71139471 0.59186228 2.13007939 3.0767202
 -2.57901534
 2.42058317 -2.75712004 -0.94665563 -1.18937764 2.13549165 3.01914707
 3.08556477 -0.81580412 -0.0881278 -2.95881752]
 Sample 2980: [0.41393188 0.72887722 0.55144563 2.12142549 3.14555533
 -2.6963741
 2.40149715 -2.74527123 -0.90056677 -1.14258737 2.22545765 2.98058972
 3.07406356 -0.74318239 -0.04052962 -3.01805361]
 Sample 2981: [0.43337959 0.72385504 0.58755769 2.17997958 3.07046377
 -2.69065219
 2.44578247 -2.73092089 -0.88750975 -1.09136073 2.19370264 2.89133953
 3.07785948 -0.84922252 -0.06518636 -2.94170547]
 Sample 2982: [0.49021277 0.74315992 0.5454911 2.22935168 3.06699293
 -2.67588777
 2.46797475 -2.68442198 -0.94467783 -1.08665404 2.11387457 2.9770434
 3.03897047 -0.84657866 -0.18522409 -3.01583994]

Sample 2983: [0.48406772 0.76703014 0.53851584 2.20543999 3.12297798
 -2.66859768
 2.44183862 -2.70520163 -1.02008034 -1.11097744 2.05937474 2.95701574
 3.0570711 -0.86780213 -0.12135814 -3.06798788]
 Sample 2984: [0.45896745 0.70280027 0.56597973 2.18282664 3.19288332
 -2.78867618
 2.41523495 -2.64221072 -0.95954779 -1.17870296 2.11042024 3.01552482
 3.10079955 -0.90039251 -0.12914422 -2.98670653]
 Sample 2985: [0.47823095 0.75457387 0.53686954 2.07318983 3.10748403
 -2.81717601
 2.46664369 -2.6017438 -0.86104568 -1.1706446 2.20648702 3.01941441
 3.09277992 -0.96508036 -0.14143186 -2.89018422]
 Sample 2986: [0.49974146 0.72081781 0.48684305 2.05664805 3.10580019
 -2.85177015
 2.47115988 -2.63976983 -0.79810719 -1.17629211 2.11046379 3.08157181
 3.1294165 -0.97208306 -0.16982432 -2.87132881]
 Sample 2987: [0.4582761 0.7706052 0.5732528 2.10441398 3.12955519
 -2.86585617
 2.42658519 -2.52980663 -0.84729066 -1.15699448 2.09063688 3.03193414
 3.14059565 -0.89357998 -0.19307711 -2.91343549]
 Sample 2988: [0.39632144 0.68645659 0.47204912 2.08950749 3.07061431
 -2.82446168
 2.3720087 -2.57477257 -0.83178237 -1.16148566 2.28228374 3.11504886
 3.17989813 -0.96702012 -0.16101316 -2.98125918]
 Sample 2989: [0.46246017 0.73976821 0.59833994 2.13749563 3.03129263
 -2.82122121
 2.37565762 -2.51623905 -0.78716119 -1.16716762 2.33304563 3.15225067
 3.17068177 -0.96972065 -0.12890553 -2.89709054]
 Sample 2990: [0.41359786 0.70798107 0.45935992 2.08483498 3.14336529
 -2.8733543
 2.34039628 -2.45762527 -0.85151342 -1.12571698 2.30615138 3.24342771
 3.19350018 -0.9903447 -0.08704055 -2.8885854]
 Sample 2991: [0.46663215 0.77266197 0.58901347 2.09218787 3.15184314
 -2.86974103
 2.37137687 -2.48292859 -0.66918081 -1.0542418 2.26719127 3.28218723
 3.1444292 -1.07095063 -0.11863006 -2.86330608]
 Sample 2992: [0.43940537 0.72247167 0.47090239 2.06804175 3.15792735
 -2.83566498
 2.37100064 -2.46276785 -0.62004781 -1.14873943 2.29520235 3.33055323
 3.14036959 -1.01619675 -0.08543304 -2.9415327]
 Sample 2993: [0.40196559 0.77734572 0.53214736 1.98432705 3.08025087
 -2.83721258
 2.41071651 -2.40219683 -0.51123802 -1.14440694 2.34422296 3.37579131
 3.18340498 -1.01812613 -0.02780181 -2.88355258]
 Sample 2994: [0.46707932 0.74576965 0.52083563 2.0386378 3.12598362
 -2.7461223
 2.37049274 -2.45434814 -0.5051878 -0.9946336 2.3695295 3.39993067
 3.17051286 -0.99971538 -0.04061554 -2.86994981]

Sample 2995: [0.41004127 0.71490097 0.55931103 2.06036511 3.20070653
 -2.74511189
 2.34912025 -2.44537911 -0.63599867 -1.01455928 2.34835117 3.39460162
 3.1445571 -1.01961714 -0.06484645 -2.8950046]
 Sample 2996: [0.46414026 0.78149396 0.50152228 2.05226739 3.24260581
 -2.81732782
 2.28980129 -2.44765367 -0.70386589 -1.1233078 2.37170679 3.43495362
 3.11412927 -1.04469605 -0.04716532 -2.8709176]
 Sample 2997: [0.42844127 0.70645186 0.54314359 2.12772893 3.27112427
 -2.84389164
 2.31298272 -2.44549147 -0.66472789 -1.14361148 2.26131832 3.45871287
 3.11975937 -1.03835533 -0.15036415 -2.98009102]
 Sample 2998: [0.51280851 0.74361633 0.51530382 2.21251322 3.30079726
 -2.81971805
 2.27025218 -2.45037953 -0.64145267 -1.16239245 2.23845919 3.44975873
 3.10701471 -1.0019484 -0.10294641 -2.92275163]
 Sample 2999: [0.50008421 0.69736318 0.49204152 2.20141196 3.26325051
 -2.88756168
 2.26469553 -2.41512768 -0.68054061 -1.15106424 2.24977229 3.39772237
 3.04469359 -1.0312307 -0.23880079 -2.95101055]
 Sample 3000: [0.46663778 0.74031598 0.45674748 2.17290779 3.34891302
 -2.94106577
 2.33024499 -2.41566798 -0.64985059 -1.22035071 2.23801642 3.43734526
 3.09432407 -0.97128763 -0.27931244 -3.00409586]
 Sample 3001: [0.52153005 0.7028343 0.53012202 2.15043733 3.21230128
 -3.0517457
 2.27213952 -2.35061258 -0.7756389 -1.13276213 2.20086965 3.49380557
 3.03998615 -1.00914869 -0.24240025 -2.94800718]
 Sample 3002: [0.48390297 0.73013318 0.46913919 2.16745186 3.22089104
 -3.06752059
 2.28953415 -2.3336559 -0.84840181 -1.05178203 2.04844647 3.50161845
 3.14652645 -1.01498635 -0.19047549 -2.85450868]
 Sample 3003: [0.49480055 0.75805196 0.54778894 2.20466832 3.21429232
 -2.99762762
 2.33142662 -2.4400696 -0.80712855 -1.02949615 2.02717534 3.42829275
 3.17581675 -1.05052473 -0.18791444 -2.89728829]
 Sample 3004: [0.52244946 0.73074683 0.49984765 2.18642164 3.21049858
 -2.9595211
 2.36834204 -2.46372491 -0.94518373 -0.98228754 2.05192638 3.41696193
 3.16390724 -1.11833917 -0.19460903 -2.88109881]
 Sample 3005: [0.4406498 0.75261454 0.52702578 2.14310998 3.21607235
 -2.91213573
 2.28640935 -2.41958223 -1.00924547 -0.91344027 2.10559817 3.31487097
 3.17287411 -1.09785354 -0.21225511 -2.84682134]
 Sample 3006: [0.41409269 0.7234815 0.4768873 2.1798761 3.1440479
 -2.95620274
 2.30011082 -2.45998461 -0.88454204 -0.82010544 2.09482958 3.31641294
 3.18589524 -1.09412066 -0.1899637 -2.77410504]

Sample 3007: [0.40342469 0.75135157 0.51272606 2.24026488 3.14935238
 -2.82363995
 2.37222531 -2.43940821 -0.93941529 -0.81346457 2.12034936 3.31394945
 3.19164908 -1.08526789 -0.13290588 -2.73411996]
 Sample 3008: [0.41378268 0.72326367 0.50280977 2.24382723 3.12154004
 -2.8731884
 2.38376092 -2.44184921 -0.89219941 -0.8081784 2.16475219 3.3150898
 3.21209804 -1.10191628 -0.18400671 -2.70460908]
 Sample 3009: [0.4325884 0.78612027 0.51609716 2.16357936 3.18638615
 -2.91098022
 2.38235376 -2.40406262 -0.88987791 -0.7714368 2.29442684 3.3125132
 3.20560582 -1.08783367 -0.29066748 -2.74302524]
 Sample 3010: [0.4086247 0.73964772 0.49962315 2.08728868 3.18225639
 -2.96244715
 2.33546535 -2.422256 -1.02976685 -0.72684309 2.29853327 3.32464574
 3.28400949 -1.07699399 -0.34327805 -2.68617091]
 Sample 3011: [0.42090715 0.77643542 0.49627493 2.08052533 3.17624072
 -2.99290181
 2.39472555 -2.3016405 -0.89910363 -0.8719963 2.3564855 3.40299455
 3.3157413 -1.15454078 -0.40211986 -2.69082736]
 Sample 3012: [0.46219647 0.78247735 0.51477255 2.06197714 3.10683108
 -3.02019736
 2.38974856 -2.33896125 -0.9092054 -0.90194901 2.4322607 3.31700656
 3.25952207 -1.161775 -0.36619744 -2.74444992]
 Sample 3013: [0.41563968 0.73463745 0.50374537 2.02577727 3.17709361
 -3.00627996
 2.41348195 -2.40049407 -0.93158323 -0.77722394 2.42818889 3.36489954
 3.23386411 -1.22012006 -0.43971584 -2.78987859]
 Sample 3014: [0.48393934 0.7876135 0.55668174 2.03889251 3.09004773
 -2.96230311
 2.42254348 -2.46461713 -0.96360027 -0.79394592 2.50002168 3.35137062
 3.20032475 -1.22240282 -0.41452559 -2.77677434]
 Sample 3015: [0.47311422 0.7074688 0.57495872 2.0267165 3.05601644
 -2.97546116
 2.41105663 -2.49278623 -1.05464333 -0.69256846 2.50309777 3.26569215
 3.14377679 -1.20712527 -0.42265381 -2.81221565]
 Sample 3016: [0.43579139 0.77382798 0.52584202 2.02144638 3.0654043
 -2.96665344
 2.39527592 -2.56336717 -1.06332713 -0.69526581 2.52370117 3.22303488
 3.18072774 -1.23252148 -0.43399149 -2.8370793]
 Sample 3017: [0.50515364 0.7518657 0.60951705 1.98769247 3.06639066
 -2.99202174
 2.48335731 -2.52285356 -1.04519597 -0.66111352 2.56994291 3.1568252
 3.15827933 -1.23812779 -0.41356425 -2.83198404]
 Sample 3018: [0.46119158 0.75804375 0.52537633 2.00303589 3.12242036
 -3.05978624
 2.42160204 -2.55645137 -1.04477167 -0.62589046 2.51879516 3.1334813
 3.13659274 -1.20208029 -0.42591675 -2.8679066]

Sample 3019: [0.50031665 0.73547326 0.56541252 2.10737101 3.02936181
 -3.15340092
 2.45758639 -2.5298314 -1.0103742 -0.6868266 2.50644442 3.17220161
 3.15183067 -1.21496775 -0.43677044 -2.90959477]
 Sample 3020: [0.52364528 0.78859598 0.54579777 2.07643295 3.02848145
 -3.15408695
 2.43313186 -2.60158827 -0.99162076 -0.74600563 2.42158795 3.1650945
 3.08450393 -1.24438598 -0.4481561 -2.91009327]
 Sample 3021: [0.45280072 0.7484527 0.54771169 2.09856187 2.96464625
 -3.07326753
 2.4759349 -2.54719296 -1.06171599 -0.72491218 2.57531299 3.14574036
 3.0547253 -1.16018678 -0.50623899 -2.86198319]
 Sample 3022: [0.50906274 0.76877876 0.53108254 2.02887368 2.99883737
 -3.08515461
 2.46868 -2.5148259 -1.11366356 -0.67126289 2.48420226 3.13638717
 3.08510651 -1.12632328 -0.54685424 -2.9462559]
 Sample 3023: [0.48938243 0.7353193 0.55837103 2.11534245 2.97547971
 -3.07179793
 2.41897376 -2.57360055 -1.14999394 -0.64779562 2.46991474 3.17139656
 3.08337763 -1.19243548 -0.6160483 -3.01726389]
 Sample 3024: [0.5029156 0.73676413 0.53466004 2.03866309 2.96497014
 -3.0762506
 2.45421137 -2.52260768 -1.25733903 -0.73393092 2.49920277 3.1541013
 3.06872463 -1.18357926 -0.58521142 -3.07835616]
 Sample 3025: [0.59014637 0.72381825 0.55476084 2.06090175 2.99382258
 -3.08632442
 2.41392449 -2.61936713 -1.32756908 -0.78432458 2.52921359 3.13228411
 3.06792356 -1.31788063 -0.59139152 -3.07476599]
 Sample 3026: [0.52393879 0.71647741 0.54989029 2.1196419 3.04806917
 -3.03354125
 2.49037156 -2.66409016 -1.3417714 -0.79730693 2.54196591 3.20192723
 3.1312156 -1.37384419 -0.72868243 -3.15260405]
 Sample 3027: [0.53863793 0.76799603 0.59229347 2.12424365 2.96749153
 -3.0631713
 2.55876616 -2.68345829 -1.36926393 -0.83727306 2.51356284 3.23940422
 3.14737735 -1.40182861 -0.70263296 -3.15468907]
 Sample 3028: [0.47446856 0.74938615 0.56539743 2.17880641 3.05130501
 -3.02599048
 2.57155548 -2.66836851 -1.40407535 -0.881059 2.5335644 3.19179849
 3.12639219 -1.3757771 -0.67581614 -3.12013799]
 Sample 3029: [0.52965512 0.7548835 0.56399302 2.15882263 3.00705024
 -3.06478549
 2.56144115 -2.57202067 -1.37354294 -1.00154525 2.57721218 3.18850387
 3.14307171 -1.41227741 -0.61964219 -3.08865173]
 Sample 3030: [0.46094291 0.77241155 0.5451516 2.15897838 3.03311518
 -3.12371998
 2.56002334 -2.58265098 -1.47458966 -1.08727209 2.58907504 3.23712302
 3.12627452 -1.36374188 -0.62647178 -3.07335718]

Sample 3031: [0.50912028 0.77286147 0.53441541 2.2061246 3.02802072
 -3.14611799
 2.59085116 -2.54324123 -1.51043496 -1.13169263 2.6119318 3.28661712
 3.12742199 -1.35680315 -0.65694837 -3.08521502]
 Sample 3032: [0.48286498 0.73838234 0.56650075 2.29851703 3.12721584
 -3.11557861
 2.4959942 -2.57802609 -1.56378711 -1.16814227 2.59400469 3.40321165
 3.19672919 -1.35725445 -0.73416528 -3.07690738]
 Sample 3033: [0.52379738 0.7728659 0.54304177 2.31391354 3.09867104
 -3.1171631
 2.49128498 -2.50236486 -1.55079208 -1.24381864 2.59898631 3.4162149
 3.18037085 -1.38376569 -0.73789168 -3.04640688]
 Sample 3034: [0.46879554 0.78645288 0.53773599 2.41074147 3.18315619
 -3.09085111
 2.49418312 -2.48515227 -1.54500322 -1.18775124 2.52342056 3.40747172
 3.18693155 -1.36308584 -0.91345194 -3.05791828]
 Sample 3035: [0.47396505 0.70722057 0.51819743 2.47060457 3.13228089
 -3.09600329
 2.4732576 -2.53267705 -1.54712129 -1.13200172 2.53303746 3.4442941
 3.25894264 -1.35340847 -0.93278078 -3.05536283]
 Sample 3036: [0.47638641 0.77327202 0.54064928 2.49644317 3.17713441
 -3.14496448
 2.42424197 -2.45314126 -1.55910808 -1.09669599 2.50405859 3.44654147
 3.28332735 -1.40846177 -0.98282669 -3.03682119]
 Sample 3037: [0.4639559 0.74873974 0.4802856 2.50331662 3.09344146
 -3.10236587
 2.42614484 -2.38955349 -1.54258923 -1.13241194 2.42734846 3.39857045
 3.31106016 -1.36690325 -0.88992605 -3.03907147]
 Sample 3038: [0.4717931 0.79070363 0.52170512 2.53289816 3.1304843
 -3.07240052
 2.42283021 -2.3497274 -1.5442237 -1.12770975 2.4041624 3.42498763
 3.31107716 -1.40552149 -0.85293972 -3.09817321]
 Sample 3039: [0.45065613 0.69448859 0.45587746 2.65561245 3.12806196
 -3.07043289
 2.42784858 -2.32349083 -1.56780625 -1.15508653 2.36603224 3.43189415
 3.30664349 -1.42156943 -0.94653851 -3.12212636]
 Sample 3040: [0.51140394 0.77603072 0.53467068 2.7016352 3.05778596
 -3.12268974
 2.43913854 -2.32249541 -1.58082202 -1.1497697 2.3828035 3.52378887
 3.4282155 -1.42397504 -1.02494517 -3.17133943]
 Sample 3041: [0.42829054 0.7344108 0.43119674 2.77336022 3.04165231
 -3.14236106
 2.3960421 -2.27225329 -1.51561717 -1.18467369 2.36894657 3.55845933
 3.54176392 -1.44405444 -1.02318859 -3.03829806]
 Sample 3042: [0.41967331 0.75143465 0.47291589 2.72307338 3.02474789
 -3.05542554
 2.42497535 -2.11605693 -1.55291164 -1.24149048 2.40991846 3.52214616
 3.57334387 -1.43292676 -1.0944412 -3.02208288]

Sample 3043: [0.44170482 0.74350516 0.41992193 2.7123398 3.04284831
-3.01004967
2.45934961 -2.10477322 -1.59711351 -1.28205511 2.43799833 3.49378998
3.50783948 -1.43521735 -1.18334281 -3.10945726]

Sample 3044: [0.41733185 0.77064054 0.46961601 2.68991645 3.12269019
-2.98760446
2.49275401 -2.12593738 -1.61729983 -1.25462013 2.42454883 3.52904369
3.5242599 -1.42824457 -1.21483725 -3.1343279]

Sample 3045: [0.46940661 0.75995684 0.43827782 2.75836451 3.07892602
-3.02240421
2.44692622 -2.13590709 -1.59136412 -1.31392454 2.37074997 3.56290605
3.47801465 -1.3676639 -1.20213242 -3.13998247]

Sample 3046: [0.52459927 0.77488423 0.5434396 2.70645032 3.08073341
-3.01727684
2.50183374 -2.15871136 -1.59772186 -1.32217586 2.40358193 3.56549223
3.58383454 -1.25476217 -1.22115031 -3.16620462]

Sample 3047: [0.45847704 0.73718937 0.42970066 2.61164216 3.1971298
-3.01466013
2.44101916 -2.11465524 -1.50099471 -1.41482973 2.44091477 3.55339388
3.46807812 -1.2523776 -1.23803763 -3.21456516]

Sample 3048: [0.40396185 0.70547288 0.44763846 2.62442462 3.21222633
-2.99706964
2.43276297 -2.11725784 -1.50423815 -1.4120157 2.45782084 3.44606588
3.37546612 -1.26485394 -1.31502427 -3.18340967]

Sample 3049: [0.52946135 0.75798001 0.44716287 2.50417434 3.21311197
-3.09063538
2.4741706 -2.04297149 -1.48093329 -1.31846176 2.39862738 3.43897077
3.32914376 -1.2397206 -1.15936744 -3.15382386]

Sample 3050: [0.46918221 0.72604858 0.45596366 2.61181532 3.33211558
-3.06057311
2.47818009 -2.01388836 -1.48364101 -1.29761319 2.29397174 3.52110553
3.33675411 -1.18790669 -1.15289202 -3.10655853]

Sample 3051: [0.49895697 0.74804938 0.4252927 2.55400926 3.34644925
-3.0303817
2.45698379 -1.99672731 -1.47436839 -1.29947524 2.28743809 3.49991891
3.42245963 -1.16520238 -1.1959386 -3.15585684]

Sample 3052: [0.51356366 0.76315185 0.4520008 2.54324036 3.41815442
-3.10359128
2.40140785 -2.06176801 -1.46654274 -1.32398563 2.23351188 3.4966339
3.28477845 -1.24260138 -1.19650745 -3.16592284]

Sample 3053: [0.52685651 0.68558399 0.44746649 2.56107661 3.42326083
-3.09995735
2.4163268 -2.01688628 -1.47554732 -1.34450793 2.2730867 3.49910262
3.28632825 -1.26413066 -1.19829819 -3.24912996]

Sample 3054: [0.54511906 0.76334076 0.41541719 2.4963849 3.38340257
-3.1806207
2.39007369 -1.99950219 -1.46711825 -1.35920265 2.23823994 3.46677117
3.34362684 -1.20981613 -1.19483379 -3.31742643]

Sample 3055: [0.50856406 0.66864515 0.44024903 2.53333399 3.41008843
 -3.18005378
 2.33982617 -2.00389666 -1.44908199 -1.42242122 2.31641012 3.46964507
 3.36334151 -1.14287704 -1.21488778 -3.38134329]
 Sample 3056: [0.55165439 0.73090612 0.42600347 2.56920501 3.36362351
 -3.12930928
 2.36217656 -2.07950976 -1.43124127 -1.35181194 2.36361335 3.46026934
 3.39965501 -1.11739991 -1.20849719 -3.42540808]
 Sample 3057: [0.48786823 0.66769902 0.45684924 2.51299519 3.38194499
 -3.19306822
 2.39883656 -2.06346046 -1.57399395 -1.36483572 2.25930663 3.50245054
 3.43734655 -1.06380887 -1.14411419 -3.37504022]
 Sample 3058: [0.53255281 0.739028 0.40043545 2.47251962 3.37683335
 -3.23014802
 2.40458419 -2.04449561 -1.64866137 -1.31825148 2.24291028 3.40913861
 3.47280406 -1.08269949 -1.07391405 -3.37765874]
 Sample 3059: [0.52281955 0.68287752 0.43926624 2.47084717 3.42901585
 -3.19483229
 2.37962816 -1.95949197 -1.64343519 -1.33211941 2.20853607 3.36579833
 3.52649895 -1.04994843 -1.07872646 -3.34326626]
 Sample 3060: [0.50948801 0.73839571 0.40607137 2.49351833 3.39823091
 -3.17512107
 2.37958923 -1.96257427 -1.61626205 -1.33325315 2.21661276 3.35305331
 3.50731497 -1.07317756 -1.08158962 -3.28199922]
 Sample 3061: [0.57765841 0.70331584 0.39747128 2.58255985 3.20997848
 -3.1873521
 2.37306711 -1.97590117 -1.56589954 -1.38801768 2.29361985 3.31932035
 3.54468203 -1.12253219 -1.08793064 -3.24407611]
 Sample 3062: [0.54596948 0.71576662 0.46828473 2.60313829 3.18558541
 -3.27328673
 2.42769604 -1.96035702 -1.598071 -1.35505664 2.2620715 3.26827409
 3.44638715 -1.08895221 -1.05338 -3.29910455]
 Sample 3063: [0.5489015 0.70952422 0.39511756 2.56363281 3.24363199
 -3.2576075
 2.41378917 -1.98159674 -1.60521353 -1.36771269 2.23829067 3.17969794
 3.39822392 -1.12966886 -1.00211602 -3.29623237]
 Sample 3064: [0.48652816 0.66671365 0.42023608 2.61717335 3.16673708
 -3.16053575
 2.36296223 -1.94513679 -1.65431333 -1.35195468 2.20502644 3.22415952
 3.33508617 -1.18910601 -1.01098626 -3.33890833]
 Sample 3065: [0.59903175 0.70297332 0.41734354 2.61862231 3.19693004
 -3.14994963
 2.34382608 -1.96107891 -1.65889882 -1.43065216 2.15204335 3.31076996
 3.2934134 -1.12856697 -1.0527517 -3.40786468]
 Sample 3066: [0.58159964 0.67405236 0.3708264 2.57803979 3.18848397
 -3.1550061
 2.39230051 -1.99275493 -1.68445666 -1.46594 2.17774163 3.40219402
 3.27863303 -1.1282816 -1.01117366 -3.42015659]

Sample 3067: [0.57021681 0.71620155 0.40656274 2.63833498 3.14187772
 -3.15231476
 2.38156407 -1.9807423 -1.62143124 -1.43255977 2.21483754 3.46867768
 3.30577683 -1.09453215 -0.94379306 -3.5074423]
 Sample 3068: [0.56832562 0.67306361 0.42655251 2.68227446 3.17520875
 -3.14168244
 2.37806243 -1.98310495 -1.66095775 -1.4794497 2.25274265 3.48044592
 3.32048283 -1.06173019 -0.92728716 -3.50470852]
 Sample 3069: [0.57450777 0.71393371 0.41089004 2.64331935 3.1160935
 -3.16623072
 2.39651568 -1.9757076 -1.75360531 -1.57914668 2.29032924 3.40644037
 3.33907307 -0.98349152 -0.96068535 -3.523364]
 Sample 3070: [0.64278178 0.71795771 0.37890939 2.60303935 3.09605678
 -3.25280782
 2.4202488 -1.98956289 -1.65449303 -1.54014068 2.40954178 3.34080505
 3.32732779 -1.00778434 -0.96521095 -3.57728786]
 Sample 3071: [0.63013879 0.68792094 0.3781944 2.54849512 3.18727355
 -3.29320125
 2.49195627 -2.00851122 -1.5993582 -1.59075106 2.40430389 3.34767163
 3.24684516 -0.98886264 -0.92004736 -3.54924527]
 Sample 3072: [0.59676274 0.71719238 0.40434822 2.49752598 3.13625602
 -3.20877275
 2.42273547 -1.99486163 -1.63008799 -1.54618217 2.35342096 3.36862111
 3.34232904 -0.96890205 -0.88436895 -3.58923455]
 Sample 3073: [0.7161853 0.63684269 0.33235617 2.59866628 3.20647973
 -3.25162126
 2.45895288 -1.99675945 -1.64754613 -1.5805215 2.33189083 3.22540088
 3.36866498 -0.98039045 -0.92782795 -3.63643993]
 Sample 3074: [0.62110064 0.73235424 0.34763512 2.62882382 3.2758872
 -3.26375952
 2.47457574 -1.9992794 -1.77446134 -1.64636395 2.38125457 3.09414732
 3.47319326 -0.88214251 -0.93761724 -3.56429925]
 Sample 3075: [0.6767051 0.63868449 0.31442808 2.64839555 3.25778114
 -3.26201808
 2.45652791 -1.93461555 -1.75415116 -1.74102456 2.41498709 3.06705809
 3.46835725 -0.96099024 -0.8288164 -3.59686818]
 Sample 3076: [0.68059744 0.69605727 0.33315429 2.65380017 3.17955417
 -3.2321617
 2.45685381 -1.96274664 -1.82221028 -1.81907293 2.38012066 3.02834044
 3.51365648 -0.96619959 -0.70433511 -3.60768717]
 Sample 3077: [0.67004864 0.6591255 0.31441853 2.54042272 3.2493157
 -3.17136196
 2.48370841 -1.94976654 -1.85738636 -1.85533052 2.40820769 2.99035947
 3.49946332 -0.8951448 -0.62978246 -3.61297279]
 Sample 3078: [0.66362795 0.70188951 0.32411527 2.57023313 3.3484924
 -3.18846525
 2.50832635 -1.97439232 -1.81241171 -1.74588768 2.38953308 2.97302713
 3.47096091 -0.90920338 -0.61100329 -3.57452521]

Sample 3079: [0.68533689 0.68259364 0.32613247 2.58217919 3.35667071
 -3.2148961
 2.57254124 -1.98774189 -1.82373508 -1.7697484 2.45529429 3.00052875
 3.45286078 -0.93950459 -0.67112532 -3.65901921]
 Sample 3080: [0.67557835 0.69016704 0.34369764 2.64737162 3.36832744
 -3.15219677
 2.52427776 -1.9997016 -1.80065185 -1.79514926 2.3918096 2.98158446
 3.51265579 -1.0220046 -0.68585017 -3.62483803]
 Sample 3081: [0.66601506 0.67223445 0.3427929 2.68973059 3.33346562
 -3.1186548
 2.51544096 -1.9564267 -1.75759476 -1.78290342 2.36735059 3.02738292
 3.58682109 -0.98745088 -0.73014826 -3.67072219]
 Sample 3082: [0.65014036 0.68890946 0.30717322 2.64123116 3.2778747
 -3.11369816
 2.46996516 -2.00600019 -1.78092464 -1.73596597 2.34360169 3.02876639
 3.65982563 -1.01198514 -0.66386687 -3.66363193]
 Sample 3083: [0.61594722 0.67828837 0.37186471 2.66120316 3.30733177
 -3.05790444
 2.60806243 -1.99657285 -1.79580592 -1.75659131 2.24368323 3.12604937
 3.5863707 -1.01292159 -0.693074 -3.6984635]
 Sample 3084: [0.51584658 0.69385767 0.34576524 2.65735714 3.30273705
 -2.98591397
 2.61703461 -1.87909808 -1.83244682 -1.80082749 2.21233296 3.17158737
 3.54301024 -1.08143637 -0.65817505 -3.68911905]
 Sample 3085: [0.60466311 0.69371941 0.38961563 2.63439225 3.30887643
 -2.9568723
 2.53121059 -1.83719577 -1.77592965 -1.77544596 2.20687904 3.20747232
 3.55631334 -1.05886607 -0.72696969 -3.7301615]
 Sample 3086: [0.54613698 0.68562655 0.34328416 2.67420953 3.20486549
 -3.02585138
 2.54414496 -1.87837507 -1.8028616 -1.72012225 2.20246029 3.26142567
 3.48032866 -1.08207916 -0.69994729 -3.76404436]
 Sample 3087: [0.58429076 0.67481426 0.39789094 2.67920131 3.16367038
 -3.04353029
 2.46956807 -1.89431255 -1.76102702 -1.7235786 2.14481188 3.27384686
 3.50863849 -1.10064689 -0.70724616 -3.83783764]
 Sample 3088: [0.58658034 0.65426908 0.36379116 2.59775122 3.16675782
 -3.05464135
 2.48978242 -1.94892602 -1.64300571 -1.71725173 2.14418627 3.33981017
 3.52979336 -1.11910334 -0.66920946 -3.92713819]
 Sample 3089: [0.60576349 0.68765245 0.36996195 2.6785911 3.15240856
 -3.11657959
 2.57826746 -1.88070709 -1.59669375 -1.6740965 2.19992348 3.33846549
 3.56143267 -1.11877649 -0.6707098 -3.88468303]
 Sample 3090: [0.62191736 0.71109138 0.31576154 2.71390436 3.08967139
 -3.07729358
 2.56496325 -1.79402959 -1.54746734 -1.69060059 2.21166291 3.47806051
 3.61894528 -1.17786841 -0.61460929 -3.86665903]

Sample 3091: [0.61128421 0.68000901 0.33611077 2.70179207 3.08037999
-3.12725176
2.53402996 -1.77590046 -1.63353355 -1.66708169 2.15724364 3.39892802
3.56385892 -1.16760177 -0.70956222 -3.91384856]
Sample 3092: [0.57205688 0.64748908 0.38569403 2.7721503 3.03637319
-3.17643521
2.45036079 -1.78155807 -1.61994367 -1.55183876 2.22559383 3.44196602
3.5850911 -1.1699969 -0.63741559 -3.95676753]
Sample 3093: [0.5848723 0.64852878 0.36701128 2.81789783 2.97569173
-3.20036707
2.38208989 -1.8013513 -1.53084104 -1.48178295 2.24878096 3.47308762
3.67737236 -1.16943464 -0.62573551 -3.96829783]
Sample 3094: [0.62110734 0.63456511 0.36915865 2.76913021 3.05775449
-3.26264229
2.36846601 -1.82451608 -1.60126992 -1.4537851 2.21828157 3.45875206
3.70542677 -1.07322483 -0.6514421 -3.95134746]
Sample 3095: [0.63171166 0.6436054 0.29813832 2.74601058 3.15816364
-3.262337
2.35486487 -1.78804204 -1.56839299 -1.45920535 2.24946032 3.48621073
3.66309307 -1.03517376 -0.70075631 -4.00154645]
Sample 3096: [0.69514459 0.64394981 0.33195329 2.82656641 3.14889962
-3.16099785
2.32324075 -1.74917717 -1.48789859 -1.47241336 2.27380157 3.49586191
3.68774257 -1.06556071 -0.66327827 -3.9067357]
Sample 3097: [0.62438943 0.63156019 0.28095066 2.91971579 3.13316179
-3.14838623
2.28629495 -1.88123416 -1.453143 -1.49195291 2.29543807 3.53852984
3.70180429 -1.13329564 -0.64606868 -3.87986754]
Sample 3098: [0.66411429 0.63913124 0.35104625 3.04616088 3.12759927
-3.14612322
2.28794366 -1.86368338 -1.45410557 -1.47858875 2.30883141 3.547795
3.73335948 -1.18453849 -0.66443158 -3.90877526]
Sample 3099: [0.65381347 0.61897468 0.29878613 3.0382131 3.2033276
-3.14012783
2.24203671 -1.86958218 -1.54319043 -1.47922403 2.39273484 3.52465127
3.74359194 -1.15474206 -0.64258239 -3.90155141]
Sample 3100: [0.66444509 0.62428626 0.34107866 3.05014122 3.23292133
-3.22033604
2.25047709 -1.96085137 -1.48624594 -1.4932972 2.34932684 3.51333244
3.74447384 -1.07779963 -0.64151332 -3.93135349]
Sample 3101: [0.68927583 0.64761821 0.33741439 3.05699138 3.14372352
-3.20403878
2.32889564 -1.96188732 -1.5497929 -1.48623822 2.32750051 3.54061551
3.77948578 -1.04716832 -0.64836064 -3.8900158]
Sample 3102: [0.66935923 0.66152101 0.30280205 3.14081622 3.09800966
-3.14605253
2.35682579 -1.89666919 -1.6546819 -1.52345954 2.37153325 3.58256723
3.82262294 -0.9579739 -0.66692402 -3.8718983]

Sample 3103: [0.66688509 0.64028021 0.30711133 3.16113562 3.10539757
-3.17439962
2.36237925 -1.85617918 -1.60880168 -1.4924104 2.37174007 3.58312031
3.84591053 -0.84951831 -0.76676901 -3.84537029]

Sample 3104: [0.65678906 0.68937361 0.30650124 3.11346091 3.13130436
-3.088922
2.34357737 -1.94037763 -1.59605346 -1.49219321 2.36306628 3.51209862
3.78710328 -0.8166818 -0.79049455 -3.81282243]

Sample 3105: [0.67394905 0.63223679 0.31005127 3.08792532 3.06382794
-3.1109261
2.3085278 -1.88620296 -1.60057328 -1.48025391 2.33792774 3.50216963
3.84333764 -0.71883257 -0.83456319 -3.74908784]

Sample 3106: [0.65243074 0.653046 0.29737787 3.13771646 3.01742408
-3.14009962
2.23129757 -1.90983915 -1.56071426 -1.52741506 2.3317606 3.45380673
3.85686287 -0.63763256 -0.79557 -3.73387934]

Sample 3107: [0.64658171 0.65293939 0.29890557 3.08806057 3.07423598
-3.1016811
2.29989033 -1.93501995 -1.50707029 -1.44895036 2.35535945 3.48070196
3.90939899 -0.71021227 -0.80608383 -3.61475684]

Sample 3108: [0.65657798 0.65504891 0.26523025 3.08732631 3.12881017
-3.14824376
2.2496271 -1.8761639 -1.51576489 -1.43095727 2.34807535 3.48393735
3.91778109 -0.7196143 -0.84408172 -3.61322552]

Sample 3109: [0.62360213 0.64856211 0.27998762 3.04765149 3.00288097
-2.99994618
2.28678569 -1.81035938 -1.5211874 -1.49406711 2.36909151 3.41798717
3.88741215 -0.73362801 -0.88833118 -3.71460017]

Sample 3110: [0.59964426 0.63696792 0.26413912 3.09709898 2.96681593
-2.95491152
2.31719139 -1.85342891 -1.47997036 -1.64921842 2.42828603 3.35761522
3.92858282 -0.74136537 -0.87682444 -3.73568848]

Sample 3111: [0.61230409 0.65272035 0.28351161 3.0722266 2.88290524
-2.85598374
2.31078209 -1.87643311 -1.43578839 -1.56854684 2.45936811 3.37019867
3.81807613 -0.70588488 -0.92600921 -3.63316566]

Sample 3112: [0.65753427 0.64915294 0.28905627 3.07885219 2.90667109
-2.87448138
2.27876355 -1.91454243 -1.3028693 -1.58502702 2.44069807 3.41570858
3.89255927 -0.77505571 -0.95550905 -3.63809086]

Sample 3113: [0.54265111 0.6305932 0.28230822 3.13314087 3.00758038
-2.90507506
2.18641209 -1.9617887 -1.26719035 -1.58881156 2.50083468 3.45614796
3.83575706 -0.75031363 -0.91439289 -3.68404286]

Sample 3114: [0.61895818 0.63628468 0.30505448 3.0935884 2.97660567
-2.82807559
2.18314868 -1.94964979 -1.28651539 -1.5840376 2.38974499 3.49027367
3.78433713 -0.68449205 -0.95842948 -3.65473505]

Sample 3115: [0.58174497 0.64236598 0.29043067 3.13651583 2.90998623
 -2.80893823
 2.25407101 -1.93652716 -1.30660846 -1.45286492 2.39591801 3.46774219
 3.79492324 -0.6313989 -1.03444554 -3.69226429]
 Sample 3116: [0.64649531 0.65204749 0.32978698 3.17263289 2.95225122
 -2.84411077
 2.24908365 -1.98885232 -1.27284899 -1.38206319 2.32580945 3.47046246
 3.76248812 -0.51282815 -0.95662312 -3.6563777]
 Sample 3117: [0.62236262 0.65611157 0.31161993 3.18003499 2.97589302
 -2.84157251
 2.26832304 -1.94320132 -1.28355829 -1.45752656 2.32425672 3.41278717
 3.79361719 -0.48804683 -1.00667319 -3.63128862]
 Sample 3118: [0.57664166 0.64909355 0.33537928 3.20147852 2.92655616
 -2.80752423
 2.25987802 -1.90046781 -1.28744999 -1.40022191 2.35221064 3.35426601
 3.8284478 -0.43140081 -1.03482206 -3.64068164]
 Sample 3119: [0.63800457 0.64018651 0.29467195 3.19010153 2.9016365
 -2.82947423
 2.27548746 -1.9565759 -1.27206718 -1.43860181 2.27088993 3.36305508
 3.85773416 -0.5164117 -1.01361489 -3.7217117]
 Sample 3120: [0.65659675 0.60619037 0.3411336 3.07900094 2.93540749
 -2.86160803
 2.20756498 -1.89064616 -1.2423326 -1.41199257 2.29326915 3.36264959
 3.97396928 -0.64702374 -1.02092169 -3.8237212]
 Sample 3121: [0.65468234 0.64071046 0.29752716 3.06904804 2.91700668
 -2.92800481
 2.20588587 -1.93084115 -1.25209294 -1.36582658 2.19667955 3.3373372
 3.96313592 -0.68223519 -1.00057038 -3.8698017]
 Sample 3122: [0.59159417 0.62055109 0.32316854 3.05800523 2.95999529
 -2.93241962
 2.31275098 -1.86477006 -1.30339634 -1.45505074 2.23519605 3.23875521
 3.99607119 -0.69171132 -1.0083093 -3.88446746]
 Sample 3123: [0.64755493 0.64604993 0.28153721 3.05084102 3.0414767
 -2.89036466
 2.26222405 -1.86801386 -1.27191759 -1.60237664 2.17175015 3.16020408
 3.97983763 -0.6820672 -1.04252858 -3.82324863]
 Sample 3124: [0.59726587 0.6068002 0.32738691 3.04236184 3.07345103
 -3.02462824
 2.26711544 -1.84659578 -1.37081002 -1.51499271 2.11825418 3.20099802
 3.97710244 -0.67841625 -1.00315801 -3.73431579]
 Sample 3125: [0.65326023 0.66465126 0.30214107 3.00750254 3.08999928
 -3.07399322
 2.29519198 -1.87594174 -1.34551294 -1.50934745 2.20066957 3.22112968
 3.93036037 -0.70077609 -0.99770158 -3.78552109]
 Sample 3126: [0.64985406 0.59607864 0.28730187 2.98006415 3.102466
 -3.02705844
 2.30183668 -1.82009144 -1.3463667 -1.49875803 2.23182796 3.12867062
 3.86226594 -0.70063348 -0.94781916 -3.71762743]

Sample 3127: [0.62844378 0.67182623 0.31675371 2.98872567 3.09567061
 -3.00683685
 2.33886988 -1.86584723 -1.35888184 -1.48545652 2.25258405 3.15480276
 3.79907543 -0.69227705 -0.99256577 -3.75706956]
 Sample 3128: [0.60584934 0.62152225 0.2804676 2.95045557 3.03801421
 -2.90740498
 2.34050798 -1.84394874 -1.32936684 -1.51799461 2.23142463 3.2327445
 3.84697065 -0.69301523 -0.97403092 -3.73941825]
 Sample 3129: [0.59757364 0.64838794 0.35877946 3.02723545 3.04743556
 -2.88675894
 2.23988291 -1.90231547 -1.36226477 -1.49711629 2.19913489 3.25818639
 3.75841599 -0.72680266 -1.01352223 -3.68589507]
 Sample 3130: [0.63459343 0.61428925 0.26850235 3.04509706 3.05200895
 -2.85931253
 2.23238405 -1.82787647 -1.35851514 -1.58111103 2.22202317 3.28967844
 3.73886313 -0.71629827 -0.965911 -3.66591282]
 Sample 3131: [0.62572669 0.65865051 0.34479595 3.07973548 3.06331309
 -2.89858168
 2.21331495 -1.88924829 -1.37146694 -1.60768968 2.24969055 3.31637306
 3.62942177 -0.73033699 -0.9140564 -3.63775988]
 Sample 3132: [0.57074036 0.61517367 0.27679711 3.05445573 3.15242959
 -2.84001909
 2.2753463 -1.91589142 -1.37769631 -1.76436579 2.28722684 3.36348163
 3.65917096 -0.68560818 -0.96567326 -3.62366969]
 Sample 3133: [0.64483108 0.67777398 0.33080958 3.00945895 3.24992722
 -2.84905918
 2.28336343 -1.88021904 -1.27695801 -1.80055892 2.27731716 3.33638414
 3.58374063 -0.70314986 -1.03032391 -3.52640827]
 Sample 3134: [0.58758366 0.62058815 0.28281861 3.01137131 3.18857601
 -2.72730537
 2.19937527 -1.91984236 -1.26587433 -1.86216963 2.30720441 3.40510713
 3.54794804 -0.76725923 -1.03888549 -3.51901069]
 Sample 3135: [0.54761797 0.67463963 0.34247793 3.03089111 3.24864533
 -2.70303776
 2.22623724 -1.85152687 -1.18445867 -1.89710262 2.27372416 3.34100146
 3.55725852 -0.69919991 -1.0160691 -3.54329801]
 Sample 3136: [0.48503941 0.64091035 0.33125193 3.11883442 3.29459847
 -2.65676855
 2.25255782 -1.90122363 -1.25580973 -1.8556236 2.23601247 3.30551719
 3.52716191 -0.73994216 -1.01453857 -3.51793488]
 Sample 3137: [0.60062934 0.6650912 0.29793781 3.12565187 3.32548268
 -2.64568556
 2.25341965 -1.88179187 -1.34476195 -1.84040109 2.28470038 3.38066091
 3.65823026 -0.70447105 -0.99196431 -3.54488571]
 Sample 3138: [0.55134051 0.63867698 0.31116406 3.09914804 3.38833682
 -2.73524821
 2.25295176 -1.89804305 -1.37422974 -1.85357364 2.25798553 3.43933959
 3.62741095 -0.69741815 -0.98211424 -3.57179927]

Sample 3139: [0.57331859 0.66093729 0.32380775 3.09478437 3.42174372
 -2.69110317
 2.25733994 -1.83274169 -1.29996307 -1.84202768 2.27586017 3.48277175
 3.57639484 -0.7136223 -0.93338966 -3.58111262]
 Sample 3140: [0.58447687 0.64547953 0.29255521 3.08326125 3.42264272
 -2.57066318
 2.27180746 -1.89095133 -1.26798064 -1.85477497 2.26598531 3.4620146
 3.6237631 -0.67436806 -0.91129739 -3.68279943]
 Sample 3141: [0.50277457 0.65292193 0.33880529 3.01376901 3.48511656
 -2.50549542
 2.24116806 -1.78904864 -1.30293177 -1.86603852 2.17395701 3.5257579
 3.62386936 -0.63664939 -0.87197266 -3.71527536]
 Sample 3142: [0.46397366 0.64123622 0.38205187 3.05463514 3.44029587
 -2.61811737
 2.22261867 -1.84728444 -1.18437258 -1.88228508 2.11078402 3.53394037
 3.53560474 -0.63240228 -0.89940918 -3.74198046]
 Sample 3143: [0.55492582 0.64013872 0.31646868 3.02827542 3.39250388
 -2.68718592
 2.25998203 -1.80978658 -1.1710565 -1.87904984 2.04946168 3.43308666
 3.54383746 -0.58063026 -0.90582865 -3.68774135]
 Sample 3144: [0.5416562 0.64895266 0.29842036 3.0654971 3.37727949
 -2.6985121
 2.26510449 -1.8336989 -1.18245443 -1.80318699 2.078879 3.41891547
 3.57742994 -0.60093768 -0.89265844 -3.59351723]
 Sample 3145: [0.57594422 0.66397841 0.29849969 3.07303896 3.37708724
 -2.68740032
 2.25037703 -1.81556674 -1.21928854 -1.8464443 2.13140475 3.47746726
 3.56214881 -0.64714308 -0.87500549 -3.60307223]
 Sample 3146: [0.54718278 0.63101294 0.2880448 3.08668291 3.36763089
 -2.67471878
 2.20462466 -1.7870884 -1.20196689 -1.82475115 2.14001795 3.41702216
 3.55977883 -0.63799473 -0.85181719 -3.65797581]
 Sample 3147: [0.57731318 0.63090941 0.31117828 3.1007196 3.39205992
 -2.7635108
 2.20625598 -1.77525143 -1.26284407 -1.73329747 2.13237401 3.39705136
 3.61920388 -0.56565848 -0.81849573 -3.67660312]
 Sample 3148: [0.58263182 0.63284813 0.2871422 3.0494596 3.348956
 -2.75577584
 2.23519929 -1.72333457 -1.25164184 -1.73721597 2.04925082 3.34558332
 3.57649073 -0.59193405 -0.7788639 -3.69728492]
 Sample 3149: [0.57372188 0.65297995 0.33045207 3.04665788 3.40276615
 -2.76157761
 2.27646289 -1.80879359 -1.30036575 -1.76639821 2.03808419 3.36159496
 3.5589019 -0.62304499 -0.79244055 -3.75393146]
 Sample 3150: [0.49148082 0.61077341 0.38958322 3.14584603 3.29631288
 -2.80416593
 2.22310903 -1.82328038 -1.27751941 -1.87030317 2.02391798 3.29547666
 3.53844356 -0.60271367 -0.69509649 -3.79080973]

Sample 3151: [0.54029795 0.59997035 0.34607805 3.11609651 3.3246792
 -2.76084499
 2.139045 -1.91225066 -1.30644201 -1.85314972 2.03247264 3.30010314
 3.55771617 -0.62924178 -0.70220114 -3.78670387]
 Sample 3152: [0.54780606 0.61685059 0.35630252 3.17038876 3.37006983
 -2.80187011
 2.17270658 -1.86052204 -1.28986279 -1.89470187 1.9598539 3.34692907
 3.5622136 -0.67091373 -0.65870609 -3.79808091]
 Sample 3153: [0.56167369 0.61966773 0.33013708 3.11139048 3.39461426
 -2.8190391
 2.21979112 -1.86670854 -1.24895759 -1.8703627 2.01801142 3.34192915
 3.53820013 -0.69853807 -0.63275623 -3.76398619]
 Sample 3154: [0.53695688 0.63312259 0.37179982 3.17288211 3.32472226
 -2.82782491
 2.13695693 -1.90433722 -1.25370334 -1.85169844 1.95376638 3.3571679
 3.56522811 -0.61144137 -0.63420753 -3.66842297]
 Sample 3155: [0.5545039 0.58492233 0.37895396 3.22535803 3.35869335
 -2.83479574
 2.12643052 -1.91400501 -1.20642264 -1.9333648 1.92052267 3.32671511
 3.48174297 -0.60822618 -0.72296149 -3.77893748]
 Sample 3156: [0.52708114 0.62855538 0.36829187 3.25472859 3.37200073
 -2.87747944
 2.14552045 -1.86467634 -1.21165244 -1.8884276 1.89661969 3.30906035
 3.5609622 -0.66259623 -0.70487161 -3.77683032]
 Sample 3157: [0.54058432 0.56973044 0.37635183 3.19525322 3.37424944
 -2.87849118
 2.08784636 -1.88925457 -1.15476113 -1.87088414 1.95963967 3.30157637
 3.57639316 -0.74962034 -0.70558509 -3.76920182]
 Sample 3158: [0.5430765 0.61289571 0.3945262 3.24463804 3.45277438
 -2.81501182
 1.99005748 -1.98831081 -1.12829407 -1.76527607 1.95085059 3.29876902
 3.59328086 -0.76605035 -0.7033772 -3.73129076]
 Sample 3159: [0.53138109 0.56327588 0.38249763 3.36386653 3.40594203
 -2.75758642
 2.05477493 -1.95894358 -1.11537355 -1.77299896 1.96008325 3.29811733
 3.61054497 -0.70378596 -0.63608829 -3.71115671]
 Sample 3160: [0.49763134 0.62220918 0.37366221 3.31134279 3.4320563
 -2.76313071
 2.07806138 -1.98194248 -1.04618332 -1.85082284 1.98093699 3.29463516
 3.57810861 -0.75435402 -0.60289847 -3.79051576]
 Sample 3161: [0.50813344 0.56217551 0.42565664 3.3366319 3.40387003
 -2.77196117
 2.09493266 -1.9865466 -1.07376542 -1.89621003 2.05381451 3.15128997
 3.58974747 -0.7065301 -0.65475112 -3.77467]
 Sample 3162: [0.46082136 0.63148546 0.39444887 3.36709647 3.36497016
 -2.74297317
 2.11512262 -2.04335796 -1.06035895 -1.90132385 2.00539397 3.17030773
 3.57031933 -0.62242062 -0.65679847 -3.74349599]

Sample 3163: [0.46722439 0.56728828 0.44502548 3.34942308 3.40873659
 -2.63874781
 2.0788363 -2.06079011 -1.10487893 -1.80889005 1.96876373 3.17984297
 3.57047721 -0.5331801 -0.64368351 -3.76341645]
 Sample 3164: [0.47978853 0.59646996 0.39750069 3.30630413 3.40864647
 -2.6725424
 2.08848548 -2.03952775 -1.09364163 -1.89038994 2.03523995 3.12182894
 3.5317577 -0.57244495 -0.5912286 -3.72369072]
 Sample 3165: [0.52046255 0.55444398 0.40250609 3.39549624 3.38433496
 -2.73048309
 1.989572 -1.98889129 -1.10783217 -1.90721405 2.02348792 3.15720262
 3.56440069 -0.57422329 -0.65420034 -3.81268611]
 Sample 3166: [0.54659388 0.563692 0.36674286 3.34713902 3.45522219
 -2.78275156
 2.02134982 -1.94794466 -1.02617486 -2.01359446 1.93855185 3.20085809
 3.51167116 -0.49410432 -0.67045831 -3.92234585]
 Sample 3167: [0.57684051 0.56262714 0.3788498 3.29487942 3.31664502
 -2.77007818
 2.05768586 -2.01910075 -1.05672728 -2.0115128 2.04081217 3.11353121
 3.44909995 -0.57893544 -0.67494208 -3.86571116]
 Sample 3168: [0.48726621 0.58680617 0.4026816 3.30587678 3.31528375
 -2.77913967
 2.13239024 -2.01610099 -1.05122719 -2.01091242 2.03124652 3.04896683
 3.43070091 -0.54596457 -0.72419666 -3.89399999]
 Sample 3169: [0.59363456 0.56047331 0.37686924 3.28537315 3.38811842
 -2.80634107
 2.08734834 -2.02576018 -1.17860992 -2.05859079 2.14150935 3.07285091
 3.38426971 -0.55488888 -0.72170863 -3.90453289]
 Sample 3170: [0.52505801 0.59185307 0.35007908 3.29705276 3.36880751
 -2.69187706
 2.06986634 -1.98742371 -1.19618922 -2.08117113 2.19433667 3.08298516
 3.45056922 -0.59721698 -0.71123145 -3.8930334]
 Sample 3171: [0.52844399 0.55681996 0.3882397 3.34686987 3.33345011
 -2.62024196
 2.08192214 -2.01995752 -1.25272177 -2.05800354 2.18054996 3.05540728
 3.49203291 -0.49826103 -0.83726151 -3.91485538]
 Sample 3172: [0.51387448 0.5895669 0.34555453 3.30163261 3.36474639
 -2.55205391
 2.06960636 -2.08298886 -1.20776317 -2.15791937 2.19706016 3.02431515
 3.5880631 -0.53243136 -0.76045853 -3.82510863]
 Sample 3173: [0.53302354 0.5557738 0.38114885 3.28459573 3.37859546
 -2.50629195
 2.08119072 -2.05388593 -1.27863812 -2.1553585 2.19306829 3.0335069
 3.49472169 -0.4956525 -0.80628841 -3.81043457]
 Sample 3174: [0.51281233 0.60528897 0.34337547 3.34038506 3.41079439
 -2.50436263
 2.05550326 -2.0510212 -1.28790894 -2.14162553 2.23971133 3.0551509
 3.46987799 -0.463807 -0.79512568 -3.81730434]

Sample 3175: [0.54789395 0.57231988 0.38745481 3.27114988 3.44784362
 -2.58218733
 2.10397938 -2.1340405 -1.30534314 -2.18830495 2.27563761 3.09626455
 3.4156574 -0.56163538 -0.68523548 -3.76659807]
 Sample 3176: [0.52750118 0.61188974 0.38142113 3.26490177 3.48613235
 -2.54813712
 2.06842386 -2.20267775 -1.23506725 -2.13982708 2.32226374 3.10958651
 3.36601873 -0.61615448 -0.62791936 -3.73075994]
 Sample 3177: [0.57535966 0.55988919 0.39652851 3.30395366 3.49878369
 -2.51733252
 1.9436109 -2.20557232 -1.1874524 -2.07178123 2.27520287 3.14910342
 3.25648227 -0.56381456 -0.61602242 -3.69539178]
 Sample 3178: [0.44087327 0.55018853 0.4235279 3.2890762 3.42332721
 -2.47864443
 1.9046749 -2.21303287 -1.21591094 -2.19027328 2.23838949 3.13531171
 3.28625923 -0.57256452 -0.6312901 -3.7224707]
 Sample 3179: [0.39864298 0.54532893 0.47684233 3.17822522 3.3686361
 -2.42678429
 1.84002395 -2.19030571 -1.26432787 -2.14287773 2.29424041 3.20665793
 3.36187508 -0.54908506 -0.65872194 -3.76333189]
 Sample 3180: [0.45688212 0.51620734 0.40225595 3.12706586 3.41529369
 -2.4279503
 1.80278684 -2.17097564 -1.27628047 -2.17710308 2.30409977 3.16035086
 3.38944499 -0.56827235 -0.7268043 -3.81437547]
 Sample 3181: [0.45614287 0.53618092 0.4454328 3.15031161 3.24952633
 -2.48006163
 1.83126697 -2.10801583 -1.26425416 -2.25916771 2.31818996 3.10411638
 3.37825378 -0.56545077 -0.76987704 -3.81693882]
 Sample 3182: [0.39376537 0.52794591 0.44430064 3.15613929 3.17108501
 -2.52125613
 1.86555484 -2.18314664 -1.28830233 -2.18876454 2.2606413 3.10898839
 3.46764482 -0.57508046 -0.70334674 -3.74330558]
 Sample 3183: [0.492318 0.57182914 0.45921343 3.20591408 3.21019588
 -2.53977092
 1.885311 -2.18318298 -1.32842241 -2.21510268 2.27166814 3.06702805
 3.57137955 -0.60167741 -0.74019509 -3.72134838]
 Sample 3184: [0.49501252 0.51232185 0.3783792 3.17500264 3.27399133
 -2.54813223
 1.86720271 -2.19304906 -1.31974637 -2.26149736 2.17458617 2.98623209
 3.51910073 -0.68884443 -0.74067618 -3.71614037]
 Sample 3185: [0.53447636 0.58379597 0.41595674 3.18785557 3.24841991
 -2.5264109
 1.9558421 -2.20125056 -1.27811459 -2.27262981 2.17879602 3.04472701
 3.47301222 -0.74640643 -0.71064907 -3.71970441]
 Sample 3186: [0.51065053 0.5332788 0.40313735 3.16720802 3.21040024
 -2.6334941
 1.88958352 -2.28469095 -1.292098 -2.24372413 2.10727783 3.08511322
 3.47943369 -0.82065253 -0.72074306 -3.67198883]

Sample 3187: [0.51239638 0.56022693 0.4687825 3.22963331 3.16023828
-2.6497367
1.86611043 -2.25377956 -1.33883738 -2.31785407 2.14518317 3.00025903
3.5174417 -0.84328518 -0.71258264 -3.66006308]

Sample 3188: [0.48162542 0.51784583 0.44313902 3.34308497 3.17540501
-2.68758823
1.82344642 -2.30803098 -1.33388526 -2.13932462 2.01176968 3.04912191
3.54486411 -0.77800414 -0.71890707 -3.77765541]

Sample 3189: [0.45995302 0.52978262 0.4977912 3.31750378 3.25856115
-2.67153249
1.83590815 -2.3515377 -1.34989946 -2.05144045 1.90806364 2.98227856
3.49230716 -0.81449341 -0.82299434 -3.77794024]

Sample 3190: [0.4944876 0.54866181 0.45129268 3.22016633 3.3352261
-2.63504705
1.85588835 -2.39602721 -1.36502014 -2.06269712 1.90853059 2.92595577
3.46788962 -0.81661001 -0.7500696 -3.68742191]

Sample 3191: [0.48112157 0.55156532 0.50376836 3.33026834 3.39565857
-2.65324689
1.93702603 -2.43023546 -1.35317037 -1.99557501 1.82392454 2.9700178
3.45240557 -0.7609517 -0.80416326 -3.71271426]

Sample 3192: [0.49879202 0.58308995 0.45710023 3.43111415 3.44711066
-2.64485977
2.00114158 -2.41996837 -1.36310124 -1.94161806 1.91834895 3.04606458
3.51362126 -0.7327028 -0.73462301 -3.69506432]

Sample 3193: [0.49184504 0.56527236 0.50555627 3.44772974 3.40001157
-2.58030894
2.00520978 -2.4879404 -1.27698261 -2.03243323 1.90539318 3.02925791
3.52551728 -0.73618653 -0.76469726 -3.77137789]

Sample 3194: [0.50843715 0.56032397 0.46212455 3.46255245 3.32897681
-2.59757917
2.00903069 -2.49946731 -1.31004809 -2.00360255 1.87858982 3.04447648
3.51483012 -0.75202804 -0.7847691 -3.78932439]

Sample 3195: [0.51059886 0.5879518 0.50581036 3.4484818 3.40363358
-2.63636423
2.05184825 -2.49625726 -1.37029133 -2.05166202 1.88332293 3.00828296
3.4604348 -0.84033165 -0.74161182 -3.83007692]

Sample 3196: [0.47402986 0.54323454 0.48818689 3.50580444 3.41950721
-2.72025351
1.9775562 -2.50191268 -1.32500369 -2.09131043 1.80215347 3.12830348
3.50919845 -0.88572016 -0.72367762 -3.79454349]

Sample 3197: [0.50584091 0.59019749 0.5153951 3.52139974 3.39128936
-2.6733668
2.00581012 -2.53818668 -1.22274426 -2.03812486 1.76591922 3.14853032
3.49553279 -0.85139802 -0.78832023 -3.77068679]

Sample 3198: [0.51696953 0.57313164 0.47999641 3.54776764 3.42741266
-2.65655355
2.06909876 -2.5621727 -1.2753442 -2.20768286 1.76924765 3.10736904
3.5209875 -0.948574 -0.72379814 -3.72164334]

Sample 3199: [0.516179 0.61263009 0.50113538 3.59860168 3.41811836
 -2.7658646
 2.08033596 -2.45893129 -1.29039624 -2.28948957 1.76048135 3.15122115
 3.58195298 -0.94341186 -0.75941313 -3.73151726]
 Sample 3200: [0.53894128 0.59609342 0.45823478 3.53249405 3.44609
 -2.8155795
 2.07831541 -2.42539793 -1.22106306 -2.26350229 1.74062879 3.11813761
 3.57846236 -1.06392966 -0.66701786 -3.67270598]
 Sample 3201: [0.53048881 0.58696322 0.48099667 3.62733681 3.50486486
 -2.82632884
 2.10504777 -2.36479639 -1.24391623 -2.20547501 1.67548312 3.08779483
 3.59790643 -1.09766617 -0.59969149 -3.72034943]
 Sample 3202: [0.57468283 0.60340418 0.44362536 3.58335252 3.54366118
 -2.84923329
 2.17835093 -2.4082302 -1.2276167 -2.19912334 1.61854737 3.04895126
 3.61579074 -1.1131052 -0.53372487 -3.70390151]
 Sample 3203: [0.58827021 0.57974056 0.45144906 3.5790961 3.62754341
 -2.78137868
 2.16468416 -2.34781168 -1.26004332 -2.11544758 1.70010555 3.0189166
 3.63063539 -1.07949916 -0.46196641 -3.76829843]
 Sample 3204: [0.55106474 0.6184413 0.42768976 3.55014363 3.61121333
 -2.7831674
 2.16771049 -2.33364585 -1.30839486 -2.0766876 1.80264263 3.08436284
 3.56627538 -1.06228238 -0.49100984 -3.71183601]
 Sample 3205: [0.53857926 0.58346716 0.47359365 3.5372241 3.60929377
 -2.78575444
 2.0937895 -2.33545515 -1.29696004 -2.13276518 1.79100736 3.10822396
 3.50106116 -1.09152343 -0.49208909 -3.70245271]
 Sample 3206: [0.54731747 0.62961778 0.41919987 3.46352648 3.6617108
 -2.72890714
 2.14487455 -2.30822796 -1.29727069 -2.01128859 1.79366998 3.16121478
 3.51590599 -1.05835562 -0.46694806 -3.69381838]
 Sample 3207: [0.53656611 0.59047664 0.44214784 3.55855213 3.75914502
 -2.75430184
 2.14989966 -2.23642893 -1.38718959 -2.05909869 1.75351146 3.17038122
 3.4768018 -1.06317002 -0.56043485 -3.63525623]
 Sample 3208: [0.55832094 0.65376264 0.40739248 3.57633107 3.708358
 -2.77067396
 2.17493397 -2.24940573 -1.46246501 -1.99617328 1.73029857 3.149198
 3.55085412 -1.10505944 -0.60988009 -3.64154487]
 Sample 3209: [0.51334016 0.5922859 0.44851713 3.51648152 3.81407521
 -2.74768136
 2.11666079 -2.17800629 -1.44493246 -2.00777914 1.70188934 3.11854501
 3.54353583 -1.08367698 -0.55221239 -3.6066652]
 Sample 3210: [0.4875586 0.63057739 0.4279128 3.5694441 3.82399104
 -2.75146774
 2.13509116 -2.22549352 -1.44599934 -2.0360949 1.7132671 3.19167089
 3.46663851 -1.02503659 -0.46941502 -3.6230219]

Sample 3211: [0.47941223 0.61709409 0.45710518 3.58466941 3.8164778
 -2.69995538
 2.18148619 -2.19416748 -1.489883 -2.0445038 1.67947991 3.19638516
 3.50979097 -1.00051665 -0.41874484 -3.49841405]
 Sample 3212: [0.52368906 0.63136406 0.40485122 3.54890153 3.8078759
 -2.71317347
 2.10441592 -2.17038295 -1.42861964 -2.07225473 1.62138671 3.15591855
 3.48215736 -0.95948715 -0.42010246 -3.46356828]
 Sample 3213: [0.59891329 0.60842628 0.37741225 3.57698689 3.86176759
 -2.66855445
 2.09308778 -2.12621024 -1.3276814 -2.14923088 1.60047808 3.23561094
 3.49771898 -1.03645798 -0.46896113 -3.4538984]
 Sample 3214: [0.53710311 0.64143784 0.40698931 3.51673673 3.90106346
 -2.74083993
 2.15679164 -2.17993562 -1.34751834 -2.04297062 1.61706171 3.21100599
 3.46834742 -1.07187045 -0.40942395 -3.37177053]
 Sample 3215: [0.53157903 0.66254612 0.44227789 3.53854587 3.94097655
 -2.85302852
 2.17241025 -2.18672218 -1.35495784 -2.05290052 1.57077241 3.28822012
 3.51177334 -1.01770086 -0.37907092 -3.39997778]
 Sample 3216: [0.53111603 0.64928651 0.40673265 3.55570568 3.86456044
 -2.78969908
 2.0762353 -2.23120874 -1.29584388 -2.06269998 1.56462788 3.30121782
 3.47923028 -1.0232148 -0.5226076 -3.37632665]
 Sample 3217: [0.61269865 0.60149339 0.42982734 3.54125663 3.87804171
 -2.80312762
 2.00288827 -2.2253876 -1.34127793 -2.07354429 1.61055488 3.30318732
 3.4943518 -0.94624581 -0.49998596 -3.37469195]
 Sample 3218: [0.59737146 0.61648582 0.36796563 3.65763952 3.93278934
 -2.79143727
 1.99812064 -2.2057278 -1.31642769 -2.06325085 1.67761453 3.23734996
 3.49174202 -0.97450705 -0.54575718 -3.31603811]
 Sample 3219: [0.54757011 0.59768577 0.44717148 3.69077995 3.92869332
 -2.7572596
 1.89168201 -2.20474668 -1.17403109 -2.11678423 1.72511324 3.17818512
 3.45804295 -1.01516786 -0.57660822 -3.34598987]
 Sample 3220: [0.50037944 0.5967709 0.39618589 3.67798874 3.94910616
 -2.72962063
 1.82064446 -2.2130527 -1.1139681 -2.11493082 1.71357908 3.08642124
 3.42979996 -1.07398991 -0.61634001 -3.41221437]
 Sample 3221: [0.54623854 0.57384839 0.44782092 3.62652994 3.99782974
 -2.69957859
 1.84477309 -2.2373861 -1.18316335 -2.16987598 1.662271 3.06222208
 3.37404041 -1.10021852 -0.67306271 -3.47663776]
 Sample 3222: [0.54000367 0.5624214 0.41285539 3.74006662 3.87235547
 -2.71522371
 1.82606232 -2.27387225 -1.26682618 -2.21887982 1.63367906 3.05624359
 3.45495257 -1.10903206 -0.67877879 -3.4274842]

Sample 3223: [0.52237822 0.54354481 0.46301534 3.76966043 3.90816649
 -2.75908823
 1.74812626 -2.2615701 -1.31298621 -2.22218597 1.64715964 2.98862986
 3.46820877 -1.16525666 -0.65884205 -3.42272304]
 Sample 3224: [0.43552426 0.54822215 0.44151396 3.71083702 3.86459742
 -2.72938211
 1.71002468 -2.22451467 -1.27382056 -2.13255646 1.67694494 2.95643241
 3.54387309 -1.09548462 -0.6294027 -3.49133269]
 Sample 3225: [0.48312696 0.53156335 0.44541798 3.6624812 3.80974769
 -2.72590966
 1.77320162 -2.14059936 -1.2851197 -2.08716499 1.70907623 2.88557733
 3.62093027 -1.06282727 -0.58837423 -3.51727796]
 Sample 3226: [0.46375683 0.52750974 0.42922166 3.73026273 3.81458464
 -2.77599433
 1.77250694 -2.20672081 -1.22510637 -2.06101798 1.71831665 2.97457185
 3.54478438 -1.04194119 -0.55648668 -3.57613773]
 Sample 3227: [0.48309377 0.55707069 0.46185771 3.704471 3.72197423
 -2.64124921
 1.85833592 -2.21081029 -1.25541799 -2.06669589 1.62504823 2.92127089
 3.56744055 -1.07213902 -0.53698434 -3.51691482]
 Sample 3228: [0.48369454 0.57234764 0.41890197 3.75222396 3.78025906
 -2.67843762
 1.89934102 -2.19909057 -1.21679525 -2.00077973 1.65721066 2.96670021
 3.52301583 -1.09675682 -0.58546364 -3.50890751]
 Sample 3229: [0.54261007 0.54672086 0.41106635 3.71119725 3.79294986
 -2.68425714
 1.90556715 -2.15322631 -1.18640852 -2.08500956 1.59638217 3.0577562
 3.52627477 -1.10700162 -0.58036774 -3.53213271]
 Sample 3230: [0.53652543 0.57814991 0.38054424 3.73386973 3.8483001
 -2.70007276
 1.87495296 -2.08232548 -1.16834914 -2.00867803 1.67433567 3.02186423
 3.45829366 -1.20105797 -0.62646641 -3.53724692]
 Sample 3231: [0.5504608 0.54941373 0.41226096 3.75957971 3.8575203
 -2.73008352
 1.917851 -2.11314762 -1.19461648 -1.93483498 1.66408861 3.01627293
 3.47170517 -1.138008 -0.65022334 -3.58565874]
 Sample 3232: [0.51010067 0.58403855 0.39123772 3.72501475 3.83080611
 -2.67746248
 1.88202282 -2.11722956 -1.22763464 -1.93438438 1.62776912 3.01817644
 3.43252772 -1.18663962 -0.64723194 -3.52454831]
 Sample 3233: [0.54063633 0.55805405 0.41765511 3.73722427 3.92080693
 -2.78099745
 1.99364862 -2.08343127 -1.20159919 -1.96577295 1.66205632 3.00421664
 3.34399278 -1.17669632 -0.67678439 -3.55768941]
 Sample 3234: [0.50540985 0.60579963 0.40820699 3.77360735 3.89502247
 -2.78479291
 2.02722868 -2.11052769 -1.27449202 -2.05682148 1.65786102 2.95934816
 3.38394052 -1.10249688 -0.67210714 -3.48835378]

Sample 3235: [0.49594094 0.62405361 0.41915978 3.82486196 3.90155967
 -2.71141563
 2.03261094 -2.0834089 -1.3055668 -2.00447146 1.6238714 2.94927507
 3.35871317 -1.13531366 -0.76475675 -3.45926445]
 Sample 3236: [0.42072135 0.58818657 0.43158565 3.78040368 3.91404829
 -2.7231737
 2.06911249 -2.13819251 -1.33423199 -2.05842713 1.74018945 3.00925142
 3.34663475 -1.11694707 -0.75865039 -3.46553752]
 Sample 3237: [0.53111197 0.62651255 0.4251054 3.69198776 3.94461353
 -2.61237914
 2.03709579 -2.14168938 -1.34217653 -2.05052422 1.73371952 3.01011854
 3.36669113 -1.02775894 -0.7041356 -3.45957656]
 Sample 3238: [0.48346323 0.588394 0.40185006 3.67584446 3.86639078
 -2.65227735
 2.02481701 -2.08934094 -1.37670416 -2.17348973 1.76868769 2.9887806
 3.3309128 -0.99295496 -0.72425827 -3.51385869]
 Sample 3239: [0.54767595 0.59759675 0.39046922 3.62373444 3.90014495
 -2.6329901
 1.98999565 -2.09710528 -1.36017943 -2.21322402 1.74365233 2.99114955
 3.35088266 -1.03458812 -0.7020004 -3.52544339]
 Sample 3240: [0.50335283 0.58588498 0.38495415 3.61753007 4.01502994
 -2.65906903
 2.0698453 -2.06870973 -1.36322664 -2.14160557 1.87506427 3.10163831
 3.41781346 -0.99198428 -0.72804181 -3.48022074]
 Sample 3241: [0.41246499 0.63716082 0.44284084 3.52698607 3.87207157
 -2.56516007
 2.107345 -2.06649209 -1.30954173 -2.21361715 1.87859282 3.11584178
 3.34743743 -1.05164015 -0.71214501 -3.50094338]
 Sample 3242: [0.41489723 0.59646722 0.40059342 3.45314273 3.89746523
 -2.5187872
 2.10193223 -2.08645736 -1.25404511 -2.11509661 1.92081568 3.1359999
 3.33144496 -1.01819261 -0.64819273 -3.52243883]
 Sample 3243: [0.46617408 0.61985432 0.45304349 3.52901458 3.9297568
 -2.45648969
 2.10556297 -2.10356123 -1.20361433 -2.05084461 1.9834167 3.20373668
 3.37038529 -0.97292218 -0.72980763 -3.54730422]
 Sample 3244: [0.44224154 0.61762679 0.3932479 3.46753305 3.89931274
 -2.41981931
 2.16554086 -2.12453865 -1.21108683 -2.11088861 2.00112025 3.18648809
 3.44267775 -1.04388154 -0.70807862 -3.61215673]
 Sample 3245: [0.45954565 0.60214548 0.41677171 3.47008042 3.92547794
 -2.41485188
 2.06990228 -2.11842626 -1.15688023 -2.11306052 2.00095209 3.16294809
 3.52108091 -0.97090829 -0.77169002 -3.58191303]
 Sample 3246: [0.49355985 0.60839454 0.40524917 3.52057502 3.99607119
 -2.4340119
 2.05427444 -2.16439315 -1.15778561 -2.08987474 1.9590206 3.11965572
 3.50989036 -0.96292905 -0.80984589 -3.54782407]

Sample 3247: [0.48340882 0.63418161 0.39161753 3.51689708 3.90542312
 -2.41008597
 2.09867635 -2.14386367 -1.1470849 -2.06723267 1.95896292 3.14789552
 3.4915413 -1.01555463 -0.80900136 -3.57161226]
 Sample 3248: [0.51712668 0.58826609 0.37555242 3.49443702 3.91374664
 -2.37089327
 2.02816744 -2.08957451 -1.22203098 -2.14214077 1.88744618 3.17534761
 3.51133236 -1.0460048 -0.77532611 -3.63163156]
 Sample 3249: [0.49194328 0.59604172 0.38106509 3.44731299 3.95763174
 -2.38540219
 2.06109017 -2.09792062 -1.22794526 -2.07784298 1.97915465 3.22082531
 3.49190242 -0.97547857 -0.84622384 -3.65849581]
 Sample 3250: [0.48151303 0.57587055 0.36860022 3.48773472 3.98899022
 -2.42039884
 2.05863294 -1.99264599 -1.20329751 -2.05090768 1.99754821 3.18238755
 3.4822099 -1.01337549 -0.82372713 -3.74426218]
 Sample 3251: [0.46100308 0.57354141 0.39004755 3.56637293 3.91297169
 -2.42566505
 1.972979 -2.01201023 -1.13435658 -2.02458641 1.97630414 3.1914647
 3.47118163 -0.99346486 -0.92066866 -3.74342849]
 Sample 3252: [0.35411301 0.58549038 0.42307416 3.61490736 3.89508436
 -2.36312581
 2.07243669 -2.02628174 -1.1298228 -2.06436763 2.02456699 3.23631753
 3.42331085 -1.02003881 -0.93198125 -3.77235625]
 Sample 3253: [0.47998907 0.60900655 0.38463964 3.57075285 3.9473482
 -2.317021
 2.13772748 -2.0356915 -1.10874046 -2.03349524 2.0681252 3.27699391
 3.39546016 -1.03026555 -0.89533043 -3.77850681]
 Sample 3254: [0.5166518 0.60614087 0.34889068 3.60608761 3.96004012
 -2.25337439
 2.17014034 -2.05195186 -1.07656967 -1.98573946 2.08795119 3.17157944
 3.41723745 -1.06668665 -0.82982445 -3.76072718]
 Sample 3255: [0.47825959 0.6097992 0.39826404 3.65840548 3.96526615
 -2.26402519
 2.14374879 -2.10162774 -1.04325905 -2.00347281 2.1286777 3.16613681
 3.39863508 -1.07092363 -0.75099233 -3.69386657]
 Sample 3256: [0.45614683 0.61514532 0.37259909 3.68707489 3.96687269
 -2.26925966
 2.09739848 -2.11976518 -0.99297044 -2.00304543 2.07348274 3.17688514
 3.46379487 -1.05647878 -0.73759737 -3.697913]
 Sample 3257: [0.52602966 0.60442461 0.39621094 3.74688322 3.99848626
 -2.25973734
 2.2141214 -2.17454894 -1.00507672 -2.03524055 2.10300377 3.1980531
 3.43838616 -1.11525438 -0.76499758 -3.68189729]
 Sample 3258: [0.49049605 0.64991269 0.38449759 3.71888457 3.89670928
 -2.3033702
 2.23183743 -2.18190845 -0.96352519 -1.97556322 2.08292993 3.09593863
 3.46013319 -1.06000931 -0.71368608 -3.67031387]

Sample 3259: [0.4959043 0.58637676 0.39667476 3.75669345 3.88890948
 -2.33005311
 2.21902105 -2.23691429 -0.82969512 -1.94699186 2.10742096 3.14913652
 3.56471889 -1.05788755 -0.76068099 -3.7215521]
 Sample 3260: [0.47489506 0.64803657 0.4333334 3.70811548 3.93405005
 -2.30805117
 2.22287639 -2.27664583 -0.81265227 -1.9875731 2.10614421 3.13668077
 3.54577165 -1.06428465 -0.71658601 -3.73740543]
 Sample 3261: [0.47530094 0.58203403 0.41094883 3.70590779 3.94123555
 -2.30684486
 2.1813074 -2.28318986 -0.77579433 -1.91643719 2.14781493 3.18695369
 3.60435461 -1.04562451 -0.69765516 -3.69817089]
 Sample 3262: [0.48788239 0.64515215 0.39626873 3.75814582 3.92765607
 -2.21827961
 2.19886576 -2.22609124 -0.64612314 -1.87447668 2.16421377 3.1236178
 3.60927549 -1.0782164 -0.66346257 -3.73488553]
 Sample 3263: [0.4972985 0.60212073 0.37256195 3.80115381 3.863705
 -2.23416082
 2.2179281 -2.19681134 -0.58131095 -1.87324694 2.12619181 3.05605438
 3.59588175 -1.1202774 -0.61332002 -3.70775367]
 Sample 3264: [0.48475851 0.62649813 0.39953676 3.8170351 3.90262203
 -2.25387781
 2.17127181 -2.30009436 -0.49367365 -1.85277247 2.20223724 3.03066252
 3.56927674 -1.05832887 -0.59958774 -3.62048608]
 Sample 3265: [0.46965888 0.59677347 0.43645735 3.75944389 3.83012948
 -2.24059633
 2.16162286 -2.30753644 -0.53617908 -1.9330857 2.2639986 2.99732547
 3.63065028 -1.04437867 -0.62472742 -3.54889558]
 Sample 3266: [0.50188427 0.63486974 0.37132052 3.76923315 3.8047488
 -2.13686424
 2.21405862 -2.3241089 -0.50259733 -1.9543192 2.25964412 2.99679989
 3.59634403 -1.03316065 -0.64947524 -3.58106618]
 Sample 3267: [0.5045537 0.61733983 0.41642421 3.77144911 3.91902063
 -2.1668817
 2.28396531 -2.27301495 -0.61270154 -1.9124975 2.27732986 2.98908009
 3.62232689 -1.01409226 -0.73554444 -3.54426581]
 Sample 3268: [0.45641878 0.65582066 0.33026048 3.79153953 3.90612827
 -2.17141827
 2.29174992 -2.32507152 -0.64260714 -1.91378513 2.300843 3.12976235
 3.6958085 -0.99893062 -0.7095304 -3.44577925]
 Sample 3269: [0.53207758 0.64945271 0.40036663 3.80074333 3.96510072
 -2.15598357
 2.23902536 -2.28083661 -0.60759358 -1.88237854 2.34724475 3.04172493
 3.68290705 -0.92181133 -0.69654619 -3.34955299]
 Sample 3270: [0.50777455 0.71714381 0.3469536 3.8500048 3.98370892
 -2.08034129
 2.26992635 -2.19166083 -0.56372733 -1.86263494 2.34478452 3.06344807
 3.71553285 -0.859376 -0.64072994 -3.37650332]

Sample 3271: [0.52660717 0.61213801 0.36330912 3.87472702 3.92278444
 -2.09582694
 2.25501502 -2.18496179 -0.42550285 -1.78173965 2.32981471 2.97266623
 3.68671759 -0.83780304 -0.69465377 -3.37348198]
 Sample 3272: [0.52870125 0.7036517 0.36088545 3.94107525 3.95775055
 -2.1351438
 2.24024792 -2.22038578 -0.46538838 -1.68982996 2.29119534 2.92577226
 3.6967402 -0.85799694 -0.70063787 -3.34780425]
 Sample 3273: [0.43854848 0.63214994 0.33083875 3.90930984 3.96580646
 -2.12401814
 2.25504226 -2.2544125 -0.5315247 -1.66456217 2.31451758 2.8410323
 3.67035936 -0.85813649 -0.74911912 -3.29820267]
 Sample 3274: [0.47522442 0.6623894 0.32231676 4.00459944 4.00787024
 -2.1596402
 2.24863939 -2.21629211 -0.51724171 -1.62284347 2.36023914 2.79757569
 3.68201116 -0.81402934 -0.69436078 -3.30397316]
 Sample 3275: [0.5120787 0.61889134 0.33760774 3.96262097 4.0092462
 -2.16115656
 2.23055951 -2.17737191 -0.54325773 -1.6579402 2.39825846 2.86460476
 3.66015652 -0.76094225 -0.75161095 -3.27200739]
 Sample 3276: [0.45158131 0.63781873 0.30861434 3.95602651 3.99982082
 -2.11076185
 2.16542264 -2.17190903 -0.56909195 -1.62885932 2.41063494 2.89438399
 3.63042603 -0.70880586 -0.7463846 -3.29936264]
 Sample 3277: [0.44263708 0.66645848 0.29990815 4.0277364 3.99258818
 -2.08452504
 2.14863014 -2.12994007 -0.56165813 -1.58512659 2.47323602 2.91653193
 3.55695679 -0.72215581 -0.72152722 -3.24896521]
 Sample 3278: [0.47095398 0.6604978 0.30699697 4.04262759 3.97780132
 -2.12432907
 2.24359373 -2.18120879 -0.51916805 -1.52896248 2.4035403 2.94835525
 3.63568037 -0.67039811 -0.68306276 -3.20825818]
 Sample 3279: [0.48567768 0.70486131 0.33428396 4.0084831 4.05721381
 -2.09705642
 2.27178129 -2.17592718 -0.58354021 -1.59407582 2.39416396 2.8990143
 3.60842419 -0.6683753 -0.67930458 -3.23147202]
 Sample 3280: [0.49841215 0.65407573 0.33897077 4.02502653 4.06813964
 -2.04679049
 2.30263391 -2.15211672 -0.61184368 -1.58528388 2.3820573 2.84981554
 3.55957077 -0.67956401 -0.60835027 -3.2634286]
 Sample 3281: [0.53290547 0.69649369 0.33850261 4.02483751 4.07616854
 -2.12193601
 2.34416596 -2.15198734 -0.65414655 -1.55695082 2.40896294 2.84056209
 3.63646258 -0.73028554 -0.56465624 -3.17600364]
 Sample 3282: [0.54586631 0.69076174 0.33797209 4.045028 4.06887407
 -2.18244564
 2.30129512 -2.16358504 -0.71779015 -1.50066911 2.42725406 2.84375812
 3.57347816 -0.76127231 -0.56435042 -3.14636767]

Sample 3283: [0.46323901 0.64785861 0.30303751 4.00051099 4.08091611
 -2.10979161
 2.23352308 -2.20276931 -0.61868834 -1.51009289 2.45693883 2.69553696
 3.60332483 -0.79541934 -0.58217509 -3.06574887]
 Sample 3284: [0.54526332 0.66400372 0.32644195 4.03283289 4.06231248
 -2.0850481
 2.29202813 -2.17084937 -0.57179832 -1.50181354 2.41754099 2.76128252
 3.72650873 -0.94339418 -0.5918439 -3.12336449]
 Sample 3285: [0.51707081 0.68396605 0.34021619 3.9427519 4.09021719
 -2.12226689
 2.3147362 -2.16016785 -0.48745233 -1.57008528 2.48718121 2.77882282
 3.82522468 -1.00459512 -0.54890462 -3.13076174]
 Sample 3286: [0.59636908 0.69409714 0.3396471 3.95835435 4.10715147
 -2.25410199
 2.29054683 -2.16673682 -0.59456441 -1.55484475 2.49045222 2.77043698
 3.78667192 -0.95441746 -0.58353057 -3.10367582]
 Sample 3287: [0.48009191 0.69797982 0.29527071 3.99839855 4.11007358
 -2.33100658
 2.2977801 -2.2616971 -0.62267667 -1.51570551 2.55590979 2.79223766
 3.75478372 -0.89963954 -0.62706095 -3.06979924]
 Sample 3288: [0.49230838 0.74409608 0.29746784 3.99612372 4.07028137
 -2.36003932
 2.29973559 -2.26145488 -0.63139922 -1.51083265 2.52393273 2.85065725
 3.66718421 -0.84638045 -0.62927728 -3.03924843]
 Sample 3289: [0.55952213 0.74158418 0.32855554 4.00002275 4.14482342
 -2.40825971
 2.27674113 -2.24380218 -0.60222424 -1.46783786 2.5084738 2.8585462
 3.62666311 -0.84248115 -0.68273048 -2.93837638]
 Sample 3290: [0.50790194 0.68782154 0.28149338 4.04611046 4.18907145
 -2.38402641
 2.31090883 -2.290394 -0.59759497 -1.47337561 2.56510795 2.97202168
 3.61075052 -0.89240604 -0.6739425 -2.90882533]
 Sample 3291: [0.54060196 0.70846057 0.32744689 4.03969999 4.18262818
 -2.33998879
 2.32068905 -2.21991865 -0.54948184 -1.46640233 2.5034753 2.96892342
 3.53731404 -0.89889964 -0.68217888 -3.01641808]
 Sample 3292: [0.56901608 0.6792659 0.33440721 3.96312864 4.18201776
 -2.35935669
 2.35588578 -2.18383107 -0.49901568 -1.4550786 2.48329393 2.9728321
 3.48849062 -0.91331793 -0.70964333 -3.10662864]
 Sample 3293: [0.57136524 0.68398691 0.34766442 3.90067767 4.19862425
 -2.42380654
 2.33750077 -2.16619641 -0.51905804 -1.44743061 2.47147519 2.9218839
 3.49409434 -0.84852148 -0.73420705 -3.20623825]
 Sample 3294: [0.51054902 0.67124358 0.29675006 3.88013575 4.25903944
 -2.37724987
 2.28226624 -2.14725325 -0.51354005 -1.38460728 2.45957727 2.86833479
 3.49877343 -0.91893564 -0.72562368 -3.17841254]

Sample 3295: [0.51015084 0.68340512 0.31297042 3.82700178 4.26575083
 -2.34371677
 2.26021676 -2.1246311 -0.56955938 -1.28131037 2.39611553 2.84091521
 3.53914545 -0.89284555 -0.72659364 -3.16910466]
 Sample 3296: [0.47105994 0.65083889 0.28943378 3.76482625 4.31385993
 -2.3413406
 2.22055091 -2.1420696 -0.55914363 -1.33276399 2.34484812 2.83724977
 3.53764752 -0.86421532 -0.74268305 -3.15639221]
 Sample 3297: [0.50384761 0.68119761 0.34243056 3.78936861 4.36629208
 -2.36093144
 2.25701589 -2.17675741 -0.63378326 -1.39532905 2.34714418 2.87392596
 3.42298899 -0.88493137 -0.78076576 -3.17546383]
 Sample 3298: [0.5280738 0.67869177 0.29855021 3.8089333 4.43627386
 -2.40907456
 2.30722728 -2.08782128 -0.57294044 -1.41319859 2.35390598 2.94775678
 3.37665643 -0.88876933 -0.81074654 -3.2126167]
 Sample 3299: [0.50182124 0.68493256 0.33286423 3.85238896 4.50389893
 -2.34039744
 2.3636929 -2.13042239 -0.62139538 -1.384485 2.37316598 2.89776781
 3.33812662 -0.92195803 -0.87535716 -3.1296469]
 Sample 3300: [0.49080541 0.68196741 0.32201549 3.81579197 4.53486633
 -2.3029854
 2.3234723 -2.19904775 -0.62164828 -1.41093391 2.31083167 2.99039314
 3.22924858 -0.89984054 -0.77952055 -3.17255964]
 Sample 3301: [0.45979358 0.65360108 0.35675351 3.8225451 4.59266803
 -2.3325025
 2.25296095 -2.22533519 -0.58434602 -1.49619903 2.37124385 3.00292779
 3.24535614 -0.92265864 -0.76788028 -3.19156512]
 Sample 3302: [0.5426491 0.67017417 0.34553944 3.81176294 4.60506623
 -2.33922919
 2.25426394 -2.24872029 -0.60373034 -1.49113551 2.38584069 3.04970836
 3.28583601 -0.90343585 -0.7140431 -3.29054041]
 Sample 3303: [0.51802441 0.70151864 0.39582467 3.77156922 4.61615582
 -2.40795763
 2.22773969 -2.22317962 -0.76359556 -1.47078245 2.29787669 3.05583443
 3.2786512 -0.78241702 -0.71259744 -3.27241344]
 Sample 3304: [0.51809976 0.64953063 0.3444424 3.7807108 4.69680011
 -2.41512548
 2.28081203 -2.28137218 -0.79957227 -1.46645137 2.31779839 2.95550109
 3.27773042 -0.77355847 -0.73505821 -3.33786644]
 Sample 3305: [0.56067785 0.6986346 0.41167193 3.78668999 4.72288329
 -2.3554252
 2.34917342 -2.2270985 -0.7733914 -1.45551324 2.320268 2.93006174
 3.29184402 -0.76513742 -0.61727983 -3.29529835]
 Sample 3306: [0.55179735 0.67795688 0.36515346 3.80376608 4.70978003
 -2.4264099
 2.35653002 -2.2933412 -0.8038153 -1.46945389 2.37079229 2.88318074
 3.31123875 -0.71912874 -0.59612255 -3.25661022]

Sample 3307: [0.52676773 0.65606612 0.36080407 3.825914 4.73327244
 -2.45250243
 2.32052928 -2.23193735 -0.83476456 -1.48901001 2.41321828 2.89294222
 3.29914895 -0.75477627 -0.58351258 -3.28586334]
 Sample 3308: [0.54906561 0.66895221 0.36580823 3.80682706 4.71249006
 -2.47289833
 2.33593139 -2.35342582 -0.78950793 -1.45172208 2.4926753 2.87737224
 3.3737647 -0.7752701 -0.4765823 -3.33502808]
 Sample 3309: [0.54535772 0.65795614 0.37475738 3.80545826 4.828247
 -2.52280428
 2.26270645 -2.30395949 -0.84076347 -1.45984131 2.4928324 2.87378989
 3.4283797 -0.77146297 -0.34243323 -3.38561173]
 Sample 3310: [0.52902129 0.61517139 0.32166094 3.80092613 4.8462957
 -2.5466258
 2.23804096 -2.2274592 -0.81498994 -1.47924678 2.5376335 2.90252406
 3.43846988 -0.78435591 -0.44216165 -3.40128064]
 Sample 3311: [0.52836609 0.65662206 0.33977698 3.77991661 4.7863774
 -2.59247217
 2.28223403 -2.16564784 -0.84205666 -1.61112043 2.50999593 2.83026603
 3.43720988 -0.73047336 -0.48251391 -3.38961968]
 Sample 3312: [0.60450874 0.71067042 0.32456926 3.73700468 4.86621208
 -2.61901565
 2.33559989 -2.13862859 -0.84473297 -1.56665535 2.54148275 2.81435679
 3.44373416 -0.79418591 -0.53263395 -3.36039994]
 Sample 3313: [0.54726174 0.61311731 0.37522885 3.73864419 4.84090056
 -2.55348089
 2.36310305 -2.26016185 -0.89040135 -1.50786316 2.52438975 2.72538979
 3.41262833 -0.82396033 -0.53037703 -3.39271586]
 Sample 3314: [0.58616145 0.70862314 0.34378443 3.73431154 4.84705257
 -2.6293058
 2.32988174 -2.27947041 -0.95179983 -1.45296174 2.56871497 2.77399575
 3.30993062 -0.8588811 -0.53929063 -3.32578481]
 Sample 3315: [0.54887652 0.657732 0.38025121 3.7580468 4.92008736
 -2.59060127
 2.24409766 -2.31255595 -0.9030072 -1.40538171 2.6187766 2.78100067
 3.32999985 -0.94268108 -0.58867174 -3.37772081]
 Sample 3316: [0.58540263 0.61210979 0.36654758 3.82972426 4.91690133
 -2.59236433
 2.26605996 -2.39319701 -0.932113 -1.40104036 2.55923767 2.8057238
 3.35044222 -0.96095212 -0.57449196 -3.32154723]
 Sample 3317: [0.61330501 0.66329287 0.42351974 3.80707682 4.90547149
 -2.6389675
 2.20530014 -2.35110715 -0.8902902 -1.40907921 2.56468334 2.79710414
 3.33985445 -0.88251591 -0.60270661 -3.39280593]
 Sample 3318: [0.55895091 0.59769939 0.36994298 3.90583654 4.96819682
 -2.57442163
 2.12531169 -2.40901433 -0.91877924 -1.34843552 2.49407771 2.72615162
 3.33921162 -0.90026536 -0.5629359 -3.29978905]

Sample 3319: [0.57129154 0.63985945 0.40892049 3.83517762 4.97464261
 -2.62212017
 2.19899304 -2.41342715 -0.89883402 -1.25915876 2.42554235 2.7414513
 3.37722442 -1.04396907 -0.61479472 -3.34043827]
 Sample 3320: [0.61711974 0.62213041 0.37573646 3.78201857 4.99441665
 -2.58722377
 2.10150069 -2.3123606 -0.85425853 -1.2106176 2.41521445 2.80487379
 3.38407301 -1.06294389 -0.65426626 -3.25124905]
 Sample 3321: [0.54924635 0.60937127 0.38664903 3.79863604 4.96336914
 -2.60655066
 2.04856992 -2.29497377 -0.94069777 -1.19881189 2.38274936 2.80970119
 3.40069666 -1.05449354 -0.59125511 -3.32137319]
 Sample 3322: [0.56687728 0.61479186 0.35230892 3.81870354 4.9752965
 -2.54419323
 2.11450239 -2.33380126 -1.04876994 -1.26719442 2.45946241 2.85217093
 3.44811778 -1.05168823 -0.55707137 -3.31887994]
 Sample 3323: [0.57445058 0.64014261 0.3933694 3.79269009 4.9342388
 -2.57188938
 2.11385599 -2.29400212 -1.00933035 -1.28457968 2.45787013 2.83310213
 3.41880025 -1.01585277 -0.61683798 -3.35086114]
 Sample 3324: [0.56805635 0.62371266 0.33025738 3.79238741 4.96745291
 -2.63685702
 2.1861859 -2.23419137 -1.056308 -1.24943813 2.45178443 2.85908934
 3.38153259 -0.95289953 -0.60908326 -3.301291]
 Sample 3325: [0.60130884 0.68503111 0.38503602 3.8241481 4.84781756
 -2.66028699
 2.18859356 -2.28960485 -1.12569119 -1.18032926 2.50303109 2.76644496
 3.44791559 -0.98952601 -0.59440638 -3.25579212]
 Sample 3326: [0.59288036 0.62724208 0.35567991 3.75688597 4.86329838
 -2.66033438
 2.24678621 -2.36693832 -1.10899201 -1.18329036 2.42323773 2.69707895
 3.47665331 -0.98915455 -0.55013317 -3.23808708]
 Sample 3327: [0.55448106 0.67285175 0.39311649 3.72425783 4.86436546
 -2.56832512
 2.30252651 -2.39419746 -1.08671274 -1.14826517 2.53406891 2.74616289
 3.50246582 -1.04296578 -0.53087644 -3.26038779]
 Sample 3328: [0.62501385 0.67002183 0.37696953 3.74786268 4.77864098
 -2.52503323
 2.33379941 -2.37231744 -1.15529132 -1.1634619 2.45537687 2.85500826
 3.48773181 -1.01972711 -0.51538622 -3.25412251]
 Sample 3329: [0.50548305 0.67847985 0.37318259 3.72414646 4.82132606
 -2.48746089
 2.35705606 -2.36384315 -1.03755513 -1.14947339 2.46959594 2.88821624
 3.48745548 -1.0434199 -0.48750969 -3.24866055]
 Sample 3330: [0.54412466 0.68855854 0.34991487 3.64034644 4.77178522
 -2.39650791
 2.3633352 -2.36425068 -0.94186883 -1.17572902 2.5915108 2.80233242
 3.48105184 -1.08525565 -0.53511313 -3.2187188]

Sample 3331: [0.52821962 0.69745377 0.36060308 3.71786632 4.76367795
 -2.40122081
 2.36188808 -2.38416419 -0.96070806 -1.12828191 2.64263185 2.70295351
 3.42852166 -1.03213759 -0.55237543 -3.19168434]
 Sample 3332: [0.53798579 0.68799184 0.35328146 3.70047328 4.8138651
 -2.41872153
 2.37702818 -2.37489945 -1.08327205 -1.18870268 2.64900634 2.71339693
 3.31548842 -1.13530519 -0.52468015 -3.23843742]
 Sample 3333: [0.54722383 0.67848564 0.40446854 3.70532141 4.77776072
 -2.47155828
 2.34071661 -2.45931184 -1.03285448 -1.16133705 2.63305231 2.75865707
 3.32926211 -1.22851731 -0.59998224 -3.25257564]
 Sample 3334: [0.55458896 0.68120893 0.37096967 3.71927406 4.81439605
 -2.46421515
 2.42858301 -2.46516719 -0.94103418 -1.07279414 2.64528968 2.74798043
 3.37661435 -1.30850723 -0.68362802 -3.2777557]
 Sample 3335: [0.50985074 0.7235213 0.37666342 3.66933464 4.85235442
 -2.41384661
 2.52291157 -2.47539453 -0.90045798 -1.07026039 2.65541542 2.81542876
 3.37851371 -1.29645264 -0.69709773 -3.18325943]
 Sample 3336: [0.52676643 0.72758833 0.35750873 3.7849709 4.81654711
 -2.45124213
 2.58995055 -2.46243107 -0.85567551 -1.09869489 2.64268794 2.7855661
 3.29182538 -1.32736506 -0.70242368 -3.23106286]
 Sample 3337: [0.57481139 0.67992093 0.39621627 3.83032499 4.85420895
 -2.52019015
 2.55929722 -2.34691802 -0.87334543 -1.16794154 2.64740797 2.69931883
 3.25211119 -1.30381059 -0.65727594 -3.2633807]
 Sample 3338: [0.53349031 0.74350846 0.34529221 3.85403173 4.80777805
 -2.53037819
 2.59088362 -2.33674231 -0.83522462 -1.12505128 2.67855649 2.61271332
 3.22747458 -1.25087576 -0.57567252 -3.30687955]
 Sample 3339: [0.5604111 0.66884649 0.39137213 3.85454228 4.76152056
 -2.52840454
 2.47764511 -2.38145444 -0.87257711 -1.1463446 2.70636582 2.59859839
 3.25275953 -1.27702408 -0.50624589 -3.3463128]
 Sample 3340: [0.51098087 0.66715285 0.3612974 3.85098525 4.80168224
 -2.55443082
 2.59803645 -2.29883271 -0.94549009 -1.10728797 2.68681712 2.60216813
 3.25119245 -1.34058927 -0.60495087 -3.31879041]
 Sample 3341: [0.52492112 0.73954831 0.30042027 3.8574565 4.73805385
 -2.50001397
 2.60780565 -2.21480421 -0.96007788 -1.07175508 2.73977868 2.5594136
 3.18363298 -1.35350467 -0.67851505 -3.27950806]
 Sample 3342: [0.56132842 0.6814348 0.3721402 3.91990654 4.81043134
 -2.50848333
 2.64016908 -2.24547724 -0.93137173 -1.0522448 2.77878081 2.6601761
 3.13772714 -1.39743611 -0.73476697 -3.26812489]

Sample 3343: [0.50554802 0.76632392 0.31623089 3.98071614 4.78941215
 -2.39418036
 2.58390358 -2.28365701 -0.98865393 -0.9943474 2.77870241 2.65384518
 3.16374122 -1.47469242 -0.67098268 -3.26493763]
 Sample 3344: [0.49144489 0.70552106 0.34352518 3.96017302 4.7523265
 -2.387698
 2.56455009 -2.32778403 -1.05400798 -1.00172159 2.84960383 2.55204068
 3.16465593 -1.45536877 -0.67390226 -3.2394652]
 Sample 3345: [0.56836794 0.74243893 0.32884553 4.01162747 4.73154038
 -2.39542582
 2.56716746 -2.24395752 -1.0643705 -0.9356787 2.9455099 2.63244981
 3.16974934 -1.52178912 -0.63055847 -3.20296745]
 Sample 3346: [0.50350111 0.75236657 0.33356476 4.0114813 4.76205702
 -2.42562003
 2.60827009 -2.28883703 -1.06860816 -0.97310922 2.93936136 2.76426651
 3.20421188 -1.58880545 -0.67899884 -3.25310237]
 Sample 3347: [0.56546585 0.69629638 0.33022627 4.1064451 4.72647591
 -2.46689931
 2.53136773 -2.28115243 -1.06932946 -1.00908462 3.01601562 2.87594845
 3.10986525 -1.60464704 -0.64795381 -3.30832371]
 Sample 3348: [0.48779385 0.72253979 0.34575351 4.18087409 4.72588181
 -2.42899235
 2.56436087 -2.37597776 -1.11878551 -0.95244247 3.07198868 2.87322051
 3.08677246 -1.61833097 -0.70252326 -3.33687868]
 Sample 3349: [0.53408944 0.73119929 0.33715052 4.13397139 4.76217871
 -2.40375688
 2.58454888 -2.36376803 -1.10040777 -0.94692346 2.9644265 2.8699537
 3.11005009 -1.60746975 -0.65196755 -3.28802076]
 Sample 3350: [0.50393498 0.72884153 0.35705006 4.0791791 4.71437122
 -2.42661379
 2.60454065 -2.35722081 -1.13665516 -0.97563893 2.98641724 2.91431337
 3.1002558 -1.54839615 -0.54406768 -3.234219]
 Sample 3351: [0.51140462 0.72376999 0.31175173 4.10601282 4.73041813
 -2.4331935
 2.64003325 -2.32851709 -1.20361923 -1.05673472 2.97887503 2.83546909
 3.07186506 -1.58384072 -0.53664351 -3.26320367]
 Sample 3352: [0.50912074 0.76093126 0.33109512 4.14765837 4.78647402
 -2.44569834
 2.63947971 -2.28619233 -1.24007 -1.06142872 3.11522751 2.80074376
 3.01200262 -1.57414637 -0.59836341 -3.25231686]
 Sample 3353: [0.51091748 0.72243757 0.28260922 4.23847057 4.73300087
 -2.47318256
 2.68582404 -2.24514455 -1.25403997 -1.05109475 3.11856183 2.74009128
 3.02892152 -1.54591044 -0.60761002 -3.21749217]
 Sample 3354: [0.53846269 0.76309158 0.34339946 4.25349438 4.68042323
 -2.55468853
 2.72838366 -2.28283891 -1.24817771 -1.09596902 3.09328642 2.66917661
 3.0373102 -1.59143616 -0.56914574 -3.29875383]

Sample 3355: [0.5177292 0.74368275 0.30276851 4.32677664 4.59914562
 -2.49427993
 2.85543112 -2.26090059 -1.23364803 -1.13349373 2.98480704 2.66207403
 2.97640695 -1.7067163 -0.65175853 -3.3149759]
 Sample 3356: [0.53930582 0.78703957 0.33807855 4.3052412 4.64427102
 -2.51655423
 2.86423413 -2.22684032 -1.17694234 -1.16140134 2.97630518 2.72643776
 3.01946382 -1.79701158 -0.69391644 -3.18196911]
 Sample 3357: [0.53743173 0.76897922 0.30666175 4.24356142 4.76901806
 -2.55915051
 2.84263698 -2.25014073 -1.17906407 -1.12151905 2.97163239 2.75247604
 3.04729987 -1.78102039 -0.75495956 -3.20805194]
 Sample 3358: [0.59474119 0.79287185 0.3517822 4.3143804 4.76548936
 -2.66833757
 2.78394331 -2.20565844 -1.17522419 -1.08790999 2.96144061 2.7980817
 2.98468444 -1.73893311 -0.81128269 -3.25485637]
 Sample 3359: [0.57397232 0.68746759 0.33648696 4.27831246 4.79417282
 -2.68961668
 2.71243954 -2.19578345 -1.12751657 -1.08588719 2.87919639 2.81841637
 2.97256038 -1.74286801 -0.77970214 -3.30671671]
 Sample 3360: [0.56833443 0.76415597 0.36568909 4.3580719 4.82071326
 -2.59997409
 2.56919968 -2.34065451 -1.01375081 -1.06909459 2.85153072 2.80945116
 3.0067158 -1.68158661 -0.77443415 -3.27321204]
 Sample 3361: [0.59904141 0.75153542 0.3900045 4.38610332 4.88972388
 -2.56896974
 2.53983382 -2.3710817 -1.05963676 -0.92367011 2.89576965 2.73882332
 3.03384884 -1.63146726 -0.79363838 -3.20048517]
 Sample 3362: [0.54827697 0.6945467 0.38310421 4.35123523 4.82117842
 -2.55254577
 2.49098708 -2.43134671 -1.10283447 -0.97663424 2.88192008 2.74089348
 2.98053977 -1.66574192 -0.81739579 -3.17617855]
 Sample 3363: [0.55624541 0.72229062 0.35727885 4.3408091 4.82325738
 -2.51456809
 2.47037621 -2.39879505 -1.20190185 -1.05221379 2.93389197 2.80720507
 2.94887791 -1.63445966 -0.82739691 -3.19006026]
 Sample 3364: [0.50334714 0.64886167 0.36528649 4.38997429 4.87927126
 -2.406007
 2.42244407 -2.37988449 -1.15263885 -1.02585604 2.91336618 2.76840652
 2.90807072 -1.64364037 -0.77823932 -3.2309886]
 Sample 3365: [0.55471322 0.69491064 0.37210933 4.44552528 4.9133822
 -2.38245961
 2.43313495 -2.37228745 -1.12433349 -1.03097118 2.88214358 2.74831454
 2.90893759 -1.6097296 -0.69060164 -3.14849556]
 Sample 3366: [0.52082494 0.69722198 0.39460655 4.37753746 4.8944605
 -2.36922744
 2.39812032 -2.40473171 -1.11964245 -1.06489605 2.92347617 2.74643573
 2.89186775 -1.55426153 -0.71766409 -3.22000707]

Sample 3367: [0.51707332 0.73340041 0.38062575 4.34634155 4.94895714
 -2.3798739
 2.39929431 -2.41826007 -1.09317429 -0.941451 2.87320845 2.73759332
 2.85689821 -1.60321232 -0.55160904 -3.27105698]
 Sample 3368: [0.52255501 0.65104445 0.37091368 4.34369646 5.00050173
 -2.42858746
 2.40362868 -2.38004312 -1.0349863 -0.93723859 2.93849689 2.78508122
 2.77574081 -1.74308662 -0.53216096 -3.22653726]
 Sample 3369: [0.54617142 0.70995942 0.37922504 4.40843439 5.02723927
 -2.47165469
 2.39433526 -2.33089366 -0.96368488 -0.90667269 2.94215144 2.80508777
 2.75259934 -1.8184841 -0.54785883 -3.26352745]
 Sample 3370: [0.56432135 0.64942556 0.37023883 4.30380003 5.02767439
 -2.52359477
 2.42223946 -2.2799336 -0.95284187 -0.90353814 2.94232149 2.76948851
 2.77706948 -1.80512148 -0.63950979 -3.22907457]
 Sample 3371: [0.51541528 0.70457865 0.32505967 4.34767545 5.05139785
 -2.49284395
 2.38073339 -2.19854522 -1.0182758 -0.9435414 2.94794801 2.72083725
 2.82392928 -1.85648439 -0.57612863 -3.25881104]
 Sample 3372: [0.49510556 0.66561455 0.3225671 4.29380646 5.08569927
 -2.51672848
 2.4370517 -2.1643743 -1.04558371 -0.95751441 2.88248722 2.74531447
 2.83562937 -1.81865348 -0.54045193 -3.28363209]
 Sample 3373: [0.55516797 0.73234189 0.33919415 4.22080569 5.12903532
 -2.48338414
 2.44096235 -2.14408817 -1.03702878 -0.93882174 2.91334895 2.74550987
 2.79034192 -1.81861447 -0.56556974 -3.18558113]
 Sample 3374: [0.50924341 0.66170509 0.31524219 4.21298442 5.05904824
 -2.44935722
 2.38467759 -2.17612168 -1.09608246 -0.83887343 2.92455248 2.80289104
 2.79151376 -1.94185447 -0.57317293 -3.21330497]
 Sample 3375: [0.5275143 0.68516149 0.31840994 4.24586788 5.1530439
 -2.42314383
 2.35526892 -2.1132464 -1.15283176 -0.80038967 3.07575613 2.85756902
 2.77705764 -2.02962098 -0.64981412 -3.20600398]
 Sample 3376: [0.50393096 0.65262738 0.31390653 4.25746785 5.11872775
 -2.34086797
 2.39444002 -2.17875263 -1.16406111 -0.87091359 3.041968 2.72311267
 2.77063327 -2.12693898 -0.58852473 -3.23468438]
 Sample 3377: [0.48000659 0.70442148 0.28943657 4.2226126 5.22714246
 -2.31864911
 2.41585167 -2.06434092 -1.16780194 -0.93927658 3.0650828 2.73167784
 2.75660293 -2.06386368 -0.59124972 -3.22646599]
 Sample 3378: [0.48898389 0.68781617 0.30602998 4.17744984 5.23241561
 -2.19531064
 2.42735206 -2.13364577 -1.18097274 -0.88468178 3.07707338 2.76589345
 2.774057 -2.10586747 -0.51154005 -3.21382951]

Sample 3379: [0.48204466 0.69869595 0.32183831 4.13791042 5.20736602
 -2.215116
 2.41239791 -2.14314697 -1.21457934 -0.91347041 3.03485589 2.78141188
 2.73521213 -2.15207289 -0.43582832 -3.19096425]
 Sample 3380: [0.51090601 0.65000559 0.33335451 4.13108194 5.1968732
 -2.21843423
 2.3882178 -2.16157255 -1.21121319 -0.89643962 3.07945005 2.75954868
 2.76981784 -2.03355141 -0.37252936 -3.2146388]
 Sample 3381: [0.44295792 0.69321096 0.28194464 4.17704198 5.16616056
 -2.24001543
 2.39909908 -2.19667355 -1.21822975 -0.82957156 3.12758182 2.8419362
 2.86337525 -2.12782093 -0.39231756 -3.25324645]
 Sample 3382: [0.45310475 0.64544029 0.28789116 4.19615405 5.23243083
 -2.16213585
 2.40476914 -2.14473173 -1.25994552 -0.90475261 3.06085533 2.77620831
 3.00701467 -2.21911504 -0.47529525 -3.27221191]
 Sample 3383: [0.46999439 0.74959078 0.30561835 4.22160232 5.22354529
 -2.09287441
 2.4088511 -2.05408139 -1.2035004 -1.01703279 3.09153742 2.7797177
 2.91314584 -2.23819061 -0.48437978 -3.32938046]
 Sample 3384: [0.42744704 0.65085687 0.27184749 4.23914434 5.17639514
 -2.03987599
 2.33331843 -2.11954704 -1.18169063 -1.02584461 3.18278335 2.72948916
 2.96480091 -2.27915938 -0.45801333 -3.4045815]
 Sample 3385: [0.4231144 0.68532929 0.26146364 4.29268005 5.24807968
 -2.11783093
 2.35649041 -2.04330607 -1.14303433 -0.96289796 3.22310717 2.84466877
 2.97573666 -2.27493914 -0.43469536 -3.31979148]
 Sample 3386: [0.4787257 0.66758598 0.27171738 4.30930234 5.25490552
 -2.11989602
 2.37873372 -2.02108578 -1.28705555 -0.88578592 3.17705794 2.98041949
 2.88839862 -2.20070935 -0.41883363 -3.34324739]
 Sample 3387: [0.4195624 0.70042182 0.25271469 4.30210531 5.28046394
 -2.13154331
 2.39469349 -1.93672002 -1.27707391 -0.86106395 3.16463564 2.94233302
 2.87096381 -2.26413672 -0.4556349 -3.33837684]
 Sample 3388: [0.46644266 0.64980681 0.24916501 4.26634023 5.29944744
 -2.13135882
 2.46442487 -1.91821915 -1.30845608 -0.92824079 3.15777266 2.98306799
 2.84898364 -2.22647846 -0.44772744 -3.36429762]
 Sample 3389: [0.44793519 0.72179136 0.27918763 4.23644443 5.26871355
 -2.21709504
 2.37939643 -1.91745545 -1.36262255 -0.96226093 3.14270936 2.90963227
 2.8781641 -2.22023339 -0.46824523 -3.38681335]
 Sample 3390: [0.48363979 0.60761581 0.23141093 4.18373637 5.17607899
 -2.24032789
 2.38408737 -1.87750455 -1.35388989 -0.95001964 3.2112478 2.8904607
 2.84543658 -2.17438006 -0.51085502 -3.4682662]

Sample 3391: [0.44061545 0.67396257 0.2702826 4.14166257 5.19062971
 -2.25373841
 2.3645114 -1.84417646 -1.33943503 -0.97916981 3.21342132 2.91348729
 2.87151119 -2.17885825 -0.50089002 -3.49790704]
 Sample 3392: [0.44333761 0.66662737 0.19937221 4.20534875 5.12996514
 -2.20346797
 2.42191106 -1.78596052 -1.28658905 -1.0893966 3.21312948 2.94787191
 2.90938557 -2.16450408 -0.45804688 -3.4872029]
 Sample 3393: [0.48611556 0.68400693 0.26429151 4.19490001 5.05017427
 -2.2431272
 2.41739696 -1.77585866 -1.30581528 -1.08845899 3.15926898 2.92573193
 2.90450775 -2.21664029 -0.45064557 -3.46513478]
 Sample 3394: [0.46357678 0.68706637 0.2062408 4.07745599 5.0649021
 -2.36666206
 2.48231467 -1.72573694 -1.29842303 -1.11292258 3.070961 2.94757109
 2.87738648 -2.33650413 -0.46589091 -3.53394818]
 Sample 3395: [0.48314974 0.73175681 0.2493063 4.12569551 5.06190984
 -2.35862724
 2.56514514 -1.73622109 -1.29010772 -1.05259359 3.12598455 2.98199611
 2.86782577 -2.35494665 -0.54775855 -3.47642841]
 Sample 3396: [0.47838852 0.68261897 0.18759536 4.05113109 5.03515855
 -2.35296413
 2.50549764 -1.65603268 -1.29420716 -0.98117078 3.17347895 3.00367303
 2.77081842 -2.4309189 -0.46242201 -3.42663006]
 Sample 3397: [0.48808957 0.71929752 0.24856366 3.97967173 5.03224534
 -2.36081987
 2.43389238 -1.68508495 -1.32013371 -1.01934054 3.11364808 3.02312104
 2.72687046 -2.44629694 -0.46235385 -3.44138093]
 Sample 3398: [0.47823257 0.66964119 0.18919396 4.01510279 5.03323616
 -2.396199
 2.42772541 -1.67445029 -1.30688195 -0.99853879 3.15779733 3.10803703
 2.82846665 -2.36639524 -0.336566 -3.44124647]
 Sample 3399: [0.49215025 0.68047514 0.24543179 4.05921854 5.00823374
 -2.34144825
 2.38958417 -1.69351531 -1.30142448 -1.04460245 3.10118589 2.99995413
 2.90067224 -2.41247174 -0.28615766 -3.44967612]
 Sample 3400: [0.48456672 0.6897706 0.19865118 4.10295957 5.04379199
 -2.26241564
 2.42139567 -1.64138162 -1.25214013 -1.11569774 3.10187999 2.9479648
 2.84622465 -2.38285824 -0.24690926 -3.40753117]
 Sample 3401: [0.48251169 0.65471513 0.20941897 4.01966289 5.20915016
 -2.3297123
 2.44154837 -1.52433972 -1.24512965 -1.08632327 3.09732715 3.03815861
 2.88303151 -2.39512972 -0.18175969 -3.4705044]
 Sample 3402: [0.50844807 0.70400236 0.19243908 3.98362528 5.19304986
 -2.34152644
 2.35900276 -1.51386312 -1.3331832 -1.09164365 3.11982608 2.97806136
 2.8505705 -2.37172591 -0.18140483 -3.44109804]

Sample 3403: [0.46887956 0.62552166 0.19448945 4.03254296 5.08068364
 -2.36235204
 2.38608537 -1.51372969 -1.2771278 -1.16543566 3.16892139 3.0870717
 2.8529064 -2.42814102 -0.24009902 -3.52312424]
 Sample 3404: [0.48846463 0.7096217 0.21518535 3.97900145 5.04591416
 -2.31122122
 2.4119993 -1.58520454 -1.24035109 -1.17549343 3.03602092 3.09663836
 2.81964912 -2.42692254 -0.15815847 -3.66192706]
 Sample 3405: [0.46337703 0.64143903 0.2490489 4.06226663 5.00415488
 -2.25112626
 2.44814943 -1.64314044 -1.2357773 -1.23663023 3.0630559 3.00779793
 2.84755309 -2.50324906 -0.13245405 -3.64838243]
 Sample 3406: [0.48339295 0.68662989 0.23448156 4.08012205 4.99240921
 -2.23363376
 2.41882997 -1.72045913 -1.21403395 -1.15774775 3.00361306 3.00711426
 2.91574273 -2.43983008 -0.08652789 -3.55732226]
 Sample 3407: [0.42402402 0.67556147 0.22198265 4.09659989 5.05221806
 -2.22379728
 2.4068027 -1.68541146 -1.19056103 -1.09954577 3.04655742 3.07611409
 2.97394908 -2.44499615 -0.0298282 -3.56259614]
 Sample 3408: [0.50259188 0.6888318 0.24953632 4.20010608 5.10449956
 -2.20780963
 2.49650192 -1.75975018 -1.15512614 -1.16998585 3.11968771 3.11413931
 3.01147527 -2.43514746 0.08635775 -3.5940689]
 Sample 3409: [0.44718764 0.68852049 0.25425063 4.17658942 5.09646667
 -2.24556511
 2.58470944 -1.7360052 -1.12293839 -1.17577046 3.14148759 3.04931562
 3.00880775 -2.42702439 0.0500806 -3.69147382]
 Sample 3410: [0.4087805 0.71584404 0.22634896 4.18202131 5.07210445
 -2.26252307
 2.56459396 -1.74193312 -1.06914191 -1.27479442 3.17115421 3.06449803
 2.99067134 -2.42076878 0.05173299 -3.66615355]
 Sample 3411: [0.49275916 0.68210714 0.21647597 4.12906799 5.06680562
 -2.25993201
 2.674312 -1.6459167 -1.02664965 -1.3671869 3.1995757 3.07391999
 3.0361362 -2.40970712 0.03812612 -3.70431514]
 Sample 3412: [0.43859912 0.73871424 0.21593935 4.18474876 5.07342901
 -2.31764074
 2.68166179 -1.69798749 -1.02496034 -1.32885915 3.17396667 3.03434199
 3.01916591 -2.42702441 0.03187864 -3.65338417]
 Sample 3413: [0.5041065 0.71536396 0.23695562 4.14937326 5.08172846
 -2.28187304
 2.6580502 -1.74033317 -1.00146984 -1.29492841 3.17905411 3.02956825
 3.035459 -2.48969742 -0.03321731 -3.66710239]
 Sample 3414: [0.44490613 0.69463616 0.24806993 4.07213205 5.00942159
 -2.30162977
 2.5705358 -1.85244617 -1.04440054 -1.26623643 3.1969476 3.00325747
 3.06206714 -2.52584396 0.01922071 -3.68481711]

Sample 3415: [0.51255195 0.68666211 0.30824175 3.99363068 4.97092828
 -2.27766393
 2.64794021 -1.91648018 -1.05807962 -1.31828025 3.15182866 2.96097147
 3.02781415 -2.4960729 0.00826902 -3.68593332]
 Sample 3416: [0.45417216 0.6956426 0.27461398 4.00034508 5.01283239
 -2.19430054
 2.59161836 -2.02759893 -1.08641119 -1.26561771 3.1326723 2.97872472
 3.0392873 -2.47543507 0.02542247 -3.64593773]
 Sample 3417: [0.42601078 0.68899338 0.316696 4.07902886 5.04400627
 -2.20253704
 2.53854941 -2.02452918 -0.98876976 -1.23870653 3.06847565 2.943407
 3.03266515 -2.55272695 0.02437095 -3.72103823]
 Sample 3418: [0.48456148 0.67291658 0.29447796 4.06930464 4.99567372
 -2.10545128
 2.57408614 -2.07340309 -0.93392232 -1.25108092 3.11646883 2.88615651
 3.03585421 -2.6385715 -0.00827612 -3.63564733]
 Sample 3419: [4.44963640e-01 7.00938236e-01 3.46807627e-01 4.02242239e+00
 5.01988813e+00 -2.08363374e+00 2.57383182e+00 -2.02280583e+00
 -9.84551210e-01 -1.25125009e+00 3.11565268e+00 2.93429291e+00
 2.97104124e+00 -2.66267353e+00 -2.79565097e-03 -3.67235180e+00]
 Sample 3420: [0.43492444 0.6791271 0.2634243 4.12154398 4.9994771
 -2.05249169
 2.53766559 -1.98476787 -0.99302651 -1.34189601 3.04525517 2.96487996
 3.00158536 -2.72364273 -0.03779222 -3.7750596]
 Sample 3421: [0.44511438 0.67375916 0.34943322 4.12304706 5.12932268
 -2.06398728
 2.55804594 -1.99315283 -0.85770621 -1.36165894 3.10901232 2.96404053
 3.01056508 -2.66169394 -0.04351281 -3.75265502]
 Sample 3422: [0.46696516 0.73301211 0.29155883 4.05632882 5.21144773
 -2.06797089
 2.55398657 -2.04690716 -0.83433033 -1.40502601 3.07850279 2.99461421
 3.0612281 -2.61436572 -0.04823045 -3.76356564]
 Sample 3423: [0.38582805 0.64182151 0.31987491 4.04421919 5.35087124
 -2.02561567
 2.58509507 -2.02296234 -0.9737408 -1.47851795 3.07491958 2.98448731
 3.08307364 -2.55181391 -0.04585701 -3.8074113]
 Sample 3424: [0.47385409 0.71058445 0.3135074 4.01409845 5.33355372
 -2.03553524
 2.51285768 -2.12196103 -1.01723089 -1.44324159 3.11203464 3.0711601
 3.12021122 -2.44300606 -0.06026111 -3.80296727]
 Sample 3425: [0.4278422 0.63148708 0.33215876 3.99560982 5.38177462
 -2.05762372
 2.50993181 -2.02114932 -1.04395142 -1.46950524 3.11845577 3.09714744
 3.06114162 -2.4845901 -0.09297912 -3.72841855]
 Sample 3426: [0.43229386 0.68452868 0.2711705 4.02659426 5.38904061
 -2.11043114
 2.56066685 -2.07603056 -1.08498097 -1.57984068 3.11494213 3.09236127
 3.11000815 -2.47664114 -0.06845549 -3.82361695]

Sample 3427: [0.47648589 0.70308383 0.36871607 4.09403771 5.32592231
 -2.11267744
 2.64438277 -2.09608895 -1.10580692 -1.52549324 3.08226657 3.05225893
 3.14266745 -2.50098009 -0.04121088 -3.77891715]
 Sample 3428: [0.38292841 0.71901552 0.26182798 4.23226371 5.36401716
 -2.02951922
 2.68059381 -2.03413745 -1.10929629 -1.54503993 3.12626072 3.13408556
 3.11595351 -2.46601344 -0.04880977 -3.80318795]
 Sample 3429: [0.45520302 0.71752036 0.33100765 4.19684313 5.34979005
 -2.02029177
 2.60003082 -2.06790942 -1.09009862 -1.50126404 3.1306439 3.17328129
 3.10377917 -2.44858796 -0.00691323 -3.73752725]
 Sample 3430: [0.42426116 0.63845425 0.28725935 4.23395399 5.35444472
 -2.03004309
 2.58885992 -2.04240283 -1.06938463 -1.54001018 3.1621209 3.19277196
 2.98115261 -2.39490117 -0.10633888 -3.77485325]
 Sample 3431: [0.43942316 0.71222876 0.33630159 4.2776714 5.35229088
 -2.00887165
 2.55188323 -2.07070079 -0.98132695 -1.53362832 3.23161133 3.12133326
 2.88523201 -2.41069826 -0.16490382 -3.79796101]
 Sample 3432: [0.41476282 0.68312424 0.33005557 4.33672094 5.33567551
 -2.09139098
 2.62226512 -2.10032699 -0.98131061 -1.54591722 3.07381139 3.04007968
 2.95071707 -2.45607216 -0.1256604 -3.83519418]
 Sample 3433: [0.42603368 0.70328944 0.378686 4.35224445 5.37600109
 -2.10415244
 2.6507144 -2.08767659 -0.94559468 -1.57506928 3.10862593 2.97068559
 2.91702199 -2.53249344 -0.11738267 -3.85829669]
 Sample 3434: [0.43638811 0.69838631 0.34248017 4.39325502 5.33713914
 -2.18584859
 2.6381049 -2.07174415 -0.91227599 -1.52972062 3.06309316 2.94670303
 2.96001153 -2.60772679 -0.12848867 -3.82941489]
 Sample 3435: [0.42257196 0.68858476 0.39271301 4.39671678 5.29381462
 -2.21791053
 2.61858462 -2.07938402 -0.92730623 -1.56265487 2.97670242 2.99451324
 2.94717516 -2.59959486 -0.01819833 -3.87420016]
 Sample 3436: [0.37730998 0.64905067 0.45731489 4.3798796 5.28334464
 -2.22504154
 2.55871493 -2.07686683 -0.88155758 -1.55197273 3.00022719 2.97507766
 3.02932422 -2.65238835 -0.03176879 -3.91748446]
 Sample 3437: [0.36794189 0.66611202 0.42433479 4.37651766 5.27782608
 -2.28795958
 2.55495303 -2.05902644 -0.89566457 -1.51859685 3.01454235 2.94804581
 2.99035346 -2.61881725 -0.00783913 -3.87847747]
 Sample 3438: [0.38322803 0.62348099 0.41997028 4.29374983 5.3025281
 -2.25385066
 2.45091355 -2.06190367 -0.84712755 -1.55753895 2.99128194 2.9833501
 2.97242499 -2.66823811 0.01718751 -3.95738772]

Sample 3439: [0.38038232 0.63313574 0.46010908 4.25099559 5.20435478
 -2.2603144
 2.46889679 -2.14258873 -0.82786659 -1.60534573 2.97943802 2.96406971
 2.9731328 -2.73085743 -0.03701816 -3.90061921]
 Sample 3440: [0.39497797 0.6725053 0.46574847 4.15707668 5.2281038
 -2.26029004
 2.38685505 -2.1211329 -0.77990177 -1.58114352 2.90715885 2.96730795
 3.0903364 -2.72474451 -0.07370613 -3.89211245]
 Sample 3441: [0.3824754 0.60959896 0.41469553 4.14813565 5.25251743
 -2.32112247
 2.36554173 -2.12856758 -0.8458964 -1.48424713 2.93164406 2.95118762
 3.08511662 -2.69485421 -0.10279648 -3.80800106]
 Sample 3442: [0.41552336 0.65011776 0.43375367 4.23727868 5.3528297
 -2.38328831
 2.34930187 -2.07393077 -0.78174542 -1.42278426 2.87964894 2.90014462
 3.0124159 -2.69949528 -0.07626432 -3.84721229]
 Sample 3443: [0.4262451 0.5940294 0.42194535 4.36414633 5.38900276
 -2.42426816
 2.30430236 -2.05074187 -0.67185798 -1.43567032 2.85900851 2.92971765
 3.09506838 -2.6730604 -0.09403581 -3.94917194]
 Sample 3444: [0.43950774 0.58921156 0.42409025 4.40385105 5.37035529
 -2.36771022
 2.29829334 -2.10404252 -0.63361983 -1.4895723 2.82850765 2.93630926
 3.04902946 -2.68446554 -0.10421647 -3.96074011]
 Sample 3445: [0.41378764 0.60644798 0.44184512 4.39609867 5.33108435
 -2.32778389
 2.33691254 -2.18064949 -0.59103258 -1.42108754 2.791076 2.99168369
 3.06653439 -2.6580947 -0.14940446 -4.00274841]
 Sample 3446: [0.37938662 0.6061603 0.45444 4.30275113 5.3620259
 -2.29642123
 2.3540988 -2.14236582 -0.60784524 -1.46986405 2.75666757 2.93558139
 3.04984294 -2.71883862 -0.21284467 -3.96431565]
 Sample 3447: [0.42083405 0.59976058 0.43195876 4.31641921 5.3172103
 -2.29355562
 2.3224258 -2.14681924 -0.54073491 -1.59336338 2.77453571 2.86588541
 3.05262724 -2.72183247 -0.23581649 -3.98985648]
 Sample 3448: [0.474105 0.6268646 0.37007807 4.24077852 5.2149061
 -2.36045744
 2.39864698 -2.02055272 -0.58375789 -1.66134751 2.75149147 2.94588449
 3.12961314 -2.71798272 -0.19200477 -3.93851784]
 Sample 3449: [0.47728734 0.60892341 0.38610823 4.29789781 5.1805639
 -2.41017944
 2.37344807 -2.00723326 -0.62060386 -1.65689757 2.70478022 2.98392095
 3.03154112 -2.78645689 -0.20882908 -4.02348275]
 Sample 3450: [0.50295498 0.61841483 0.37484903 4.27824241 5.23057002
 -2.40750927
 2.36679447 -2.13720145 -0.68381129 -1.57205812 2.73531536 2.97150314
 2.96589327 -2.75726128 -0.10616143 -3.94847462]

Sample 3451: [0.47044548 0.61718677 0.3716905 4.23654674 5.22868357
 -2.35258485
 2.41546265 -2.1155143 -0.63951787 -1.51704056 2.71497764 2.84396063
 3.06362845 -2.72352003 -0.14775115 -3.9720805]
 Sample 3452: [0.44142131 0.61450094 0.41995771 4.23676984 5.14008036
 -2.36452754
 2.45899894 -1.97207746 -0.72276255 -1.59934514 2.8206269 2.76451904
 3.02965241 -2.68776558 -0.06380709 -4.06999818]
 Sample 3453: [0.43078446 0.60948462 0.401214 4.26200254 5.14413777
 -2.39713007
 2.41118289 -1.98133055 -0.69323133 -1.65162617 2.8513306 2.71178412
 3.03360196 -2.7040254 -0.12236134 -4.01931321]
 Sample 3454: [0.4169088 0.61538732 0.41452786 4.17593562 5.09679815
 -2.38762417
 2.42932429 -1.93418289 -0.66259883 -1.64656365 2.88270608 2.67927796
 3.07309353 -2.73615571 -0.14458074 -4.00257591]
 Sample 3455: [0.43330375 0.59469783 0.40504301 4.08366546 5.08151389
 -2.42439561
 2.39334014 -1.87277709 -0.72551772 -1.6297962 2.91618051 2.71814161
 3.02618488 -2.75038121 -0.17974875 -4.05337737]
 Sample 3456: [0.47076379 0.5991026 0.39304486 4.09923966 4.98442576
 -2.49905717
 2.31370158 -1.94425109 -0.77154024 -1.61618626 2.86115283 2.81436946
 2.98733837 -2.80451451 -0.19292003 -4.00596149]
 Sample 3457: [0.47592845 0.58819801 0.37110342 4.1045796 5.03729759
 -2.50883006
 2.32043042 -1.94511886 -0.78833512 -1.65853228 2.91684697 2.8115479
 2.95954426 -2.84180804 -0.14751308 -3.8811079]
 Sample 3458: [0.46153203 0.61680492 0.37617682 4.08710915 5.10618558
 -2.48958899
 2.36923178 -1.81834675 -0.77127373 -1.64546395 2.89141348 2.84601428
 2.95190795 -2.88086487 -0.21639438 -3.84445324]
 Sample 3459: [0.42965303 0.64367096 0.37072657 4.10059616 5.0762686
 -2.56219992
 2.36141685 -1.85204949 -0.80553297 -1.7237373 2.90129608 2.81839271
 3.00669257 -2.72296415 -0.30361418 -3.80724996]
 Sample 3460: [0.445075 0.61877263 0.39518895 4.12651231 5.04631462
 -2.61852944
 2.41384239 -1.79075358 -0.81755504 -1.80095016 2.85009377 2.77125129
 3.00148957 -2.6989226 -0.24822249 -3.91036717]
 Sample 3461: [0.49990335 0.62417513 0.37738695 4.12586168 5.04564851
 -2.64491874
 2.3901371 -1.86345736 -0.77829476 -1.81020949 2.75551674 2.87010418
 2.9555373 -2.66419875 -0.25978412 -3.90975339]
 Sample 3462: [0.47087002 0.6289755 0.39715718 4.14184681 5.02480515
 -2.60960571
 2.40168966 -1.86126024 -0.72453404 -1.73801886 2.7552766 2.87784561
 2.91851444 -2.65346036 -0.3562961 -3.84571475]

Sample 3463: [0.48940652 0.61664178 0.41546021 4.02603312 5.00475006
 -2.69101943
 2.44554318 -1.86683004 -0.71732029 -1.74313534 2.85744188 2.85102331
 2.88377462 -2.6715533 -0.37086183 -3.81057554]
 Sample 3464: [0.49521839 0.65300415 0.38895102 4.03410195 4.99950088
 -2.73371463
 2.37462796 -1.9180546 -0.71335251 -1.74569849 2.82684699 2.79882706
 2.86123826 -2.67990505 -0.37893287 -3.88212986]
 Sample 3465: [0.50367941 0.61203902 0.41585774 3.9581823 5.07499835
 -2.65024763
 2.41211417 -1.99392783 -0.71651825 -1.786181 2.89647276 2.75756003
 2.83081528 -2.55785047 -0.40466819 -3.84076081]
 Sample 3466: [0.49570612 0.63997776 0.3917986 3.90399836 5.09610573
 -2.73656017
 2.48013406 -1.94172087 -0.69681788 -1.78408624 2.90163662 2.81188539
 2.88043642 -2.52573111 -0.37830074 -3.90942253]
 Sample 3467: [0.5335524 0.6073506 0.35892542 3.87006719 5.03999364
 -2.75998775
 2.5067215 -1.85522827 -0.74321115 -1.77540651 2.97758366 2.87507668
 2.89978817 -2.47199951 -0.35511369 -3.96913183]
 Sample 3468: [0.51963426 0.66400903 0.36657621 3.80015638 5.12120724
 -2.75357828
 2.50762029 -1.82549758 -0.74763585 -1.70588333 2.98887319 2.90353998
 2.84236021 -2.39594585 -0.38799167 -4.0439419]
 Sample 3469: [0.54226595 0.63771192 0.35171585 3.78579662 5.10292507
 -2.78904875
 2.61144104 -1.77766523 -0.74584651 -1.79122456 2.9471041 2.88336373
 2.82168472 -2.40041087 -0.43483984 -4.01146028]
 Sample 3470: [0.50129473 0.65456919 0.40530744 3.82616691 5.05072264
 -2.78599971
 2.53746556 -1.83052772 -0.75654714 -1.8125934 3.0654391 2.93161841
 2.82408527 -2.48347111 -0.46230762 -4.05080694]
 Sample 3471: [0.50647002 0.63015843 0.39885098 3.75561402 5.00655013
 -2.77971178
 2.58182287 -1.90066679 -0.75200393 -1.79281601 3.11323416 2.93211075
 2.81627119 -2.50934771 -0.42954874 -4.04641057]
 Sample 3472: [0.5154089 0.64904829 0.41614951 3.79116219 5.08099625
 -2.79255071
 2.5029639 -1.94546643 -0.7735253 -1.81741129 3.02002461 3.04807927
 2.85565987 -2.4554731 -0.38470991 -3.99273829]
 Sample 3473: [0.51151102 0.65293278 0.39914827 3.80818324 5.01316688
 -2.77793941
 2.44609528 -1.95057116 -0.80223939 -1.84983863 3.02797548 3.12912446
 2.88419542 -2.47716271 -0.39734568 -3.9194167]
 Sample 3474: [0.50385819 0.63516502 0.42605099 3.78768896 5.03594129
 -2.82774557
 2.41631644 -1.94042512 -0.79920717 -1.88908987 2.95833047 3.17531571
 3.00336322 -2.4809943 -0.49228764 -4.04321983]

Sample 3475: [0.542998 0.61796368 0.3894534 3.81857497 5.08520587
 -2.81924726
 2.44155313 -1.97382924 -0.78811702 -1.94111611 3.04146672 3.21006024
 2.96715493 -2.46398805 -0.51621927 -4.08844859]
 Sample 3476: [0.53279721 0.66631286 0.39064619 3.89492849 5.03561064
 -2.78153292
 2.55130552 -1.96213184 -0.79726107 -1.9408394 3.01323772 3.26522428
 2.84439529 -2.46269764 -0.45165638 -4.16111988]
 Sample 3477: [0.5469896 0.64054718 0.35769798 3.86891316 4.99097279
 -2.72498792
 2.6283747 -1.97404663 -0.85674713 -1.99267481 2.95358417 3.1686408
 2.88732667 -2.53107048 -0.45902655 -4.16335773]
 Sample 3478: [0.51050936 0.65952131 0.40590042 3.81900027 5.00063723
 -2.77142289
 2.53004992 -1.88884234 -0.8221766 -2.03297496 2.98264167 3.19201917
 2.96133334 -2.53034567 -0.3871814 -4.10565969]
 Sample 3479: [0.48937254 0.62990322 0.40204503 3.83462487 5.04463944
 -2.74237213
 2.55561173 -1.91016995 -0.80717878 -2.03760127 2.89620053 3.1883962
 2.89369979 -2.57718802 -0.36903361 -4.1264076]
 Sample 3480: [0.5640058 0.66298981 0.34792724 3.83713878 5.11151637
 -2.73475518
 2.48621115 -1.94775875 -0.7852714 -1.93121472 2.90474586 3.14481123
 2.91365906 -2.57182035 -0.36663704 -4.14397364]
 Sample 3481: [0.53767944 0.62711849 0.35552184 3.9214494 5.05004342
 -2.73469952
 2.50936464 -1.94036752 -0.77242626 -2.03375412 2.94425402 3.10289335
 2.92741053 -2.53672976 -0.2862593 -4.10198917]
 Sample 3482: [0.48929086 0.71010596 0.43191458 4.00072631 5.02457509
 -2.71835185
 2.52053314 -1.92043162 -0.75871092 -2.00755912 2.94382703 3.25412884
 2.87302433 -2.55845868 -0.29158573 -4.03753077]
 Sample 3483: [0.53929648 0.62538988 0.33497355 3.95818308 5.05104937
 -2.73318367
 2.55826641 -1.88489204 -0.76507548 -1.99557723 2.99318172 3.28843034
 2.91416309 -2.55097986 -0.27564494 -4.02727704]
 Sample 3484: [0.57697016 0.72089221 0.31832899 3.99557532 5.09006715
 -2.75420788
 2.61217019 -1.89934636 -0.76894732 -2.00843627 2.95252694 3.20725824
 2.95748338 -2.54614751 -0.3762166 -3.96192666]
 Sample 3485: [0.56189281 0.66219581 0.31613717 4.05688718 5.08288404
 -2.7619245
 2.61967549 -1.83375906 -0.81373579 -2.03107078 2.94770483 3.29168604
 2.99124683 -2.52435405 -0.33112903 -4.00289389]
 Sample 3486: [0.53516105 0.7204465 0.36978516 4.04300841 5.09145437
 -2.78672283
 2.67292186 -1.80070655 -0.862238 -2.13942598 2.95174681 3.28624032
 3.00967947 -2.5843659 -0.37838184 -3.98383516]

Sample 3487: [0.54341141 0.67636607 0.33429761 4.03168614 5.11864416
 -2.90245603
 2.5920189 -1.7419399 -0.83105879 -2.09209939 2.89935758 3.25903333
 3.01124592 -2.55237664 -0.31162374 -4.08591904]
 Sample 3488: [0.55176205 0.66953731 0.36129331 4.04566115 5.11752736
 -2.91230136
 2.57977751 -1.77152091 -0.77570866 -2.170909 2.86869041 3.19935359
 3.010199 -2.65011865 -0.34792922 -4.02087675]
 Sample 3489: [0.51035982 0.66244135 0.3884778 4.11178446 5.1181407
 -2.94302984
 2.58093276 -1.79433637 -0.75015837 -2.12012002 2.83916549 3.22602623
 2.99292507 -2.53182098 -0.24372947 -4.03667165]
 Sample 3490: [0.5952285 0.66801724 0.33190151 4.15636326 5.07560631
 -2.91437451
 2.62230765 -1.71736578 -0.71170547 -2.00328218 2.79527468 3.22860793
 2.94469098 -2.52608836 -0.26745816 -4.08174694]
 Sample 3491: [0.56740776 0.68036017 0.25689345 4.14660216 5.0485606
 -2.90568443
 2.68329324 -1.62562594 -0.75307113 -2.00387811 2.77295294 3.1494756
 3.01955035 -2.52441724 -0.28332839 -4.09318963]
 Sample 3492: [0.59717229 0.70995181 0.30146646 4.16360895 4.95303337
 -2.9088506
 2.70794851 -1.62269076 -0.78444235 -1.9229924 2.8159732 3.15742645
 2.98199719 -2.56642396 -0.28909177 -4.04894679]
 Sample 3493: [0.53281104 0.701969 0.29544812 4.16074683 5.00581407
 -2.89301216
 2.75988918 -1.59513897 -0.78271841 -1.87894014 2.7163884 3.16487561
 2.96835166 -2.55683031 -0.35929554 -3.95825424]
 Sample 3494: [0.62672149 0.69542715 0.27292163 4.19493971 5.04054992
 -2.86256121
 2.76586038 -1.62028942 -0.78854782 -1.82168368 2.73166245 3.20261111
 2.98687674 -2.54179139 -0.31598653 -3.99431984]
 Sample 3495: [0.51428618 0.73414106 0.30813562 4.12415203 5.04094159
 -2.82128242
 2.80555598 -1.64278764 -0.84147805 -1.87054283 2.76919007 3.32237884
 2.97409483 -2.65988461 -0.32726581 -3.96796685]
 Sample 3496: [0.59452146 0.71880046 0.3114214 4.11907586 5.0513618
 -2.77047733
 2.73744402 -1.69173904 -0.86720423 -1.90219462 2.72841515 3.32208014
 2.97466221 -2.57449456 -0.34737172 -3.97980477]
 Sample 3497: [0.52421095 0.70994644 0.26862411 4.1127641 5.08482221
 -2.79356621
 2.77645401 -1.66416154 -0.88788336 -1.87358201 2.75360477 3.31718026
 2.98163451 -2.62253075 -0.3555991 -4.02474284]
 Sample 3498: [0.55204858 0.7240964 0.36942313 4.1328587 5.17192083
 -2.85596948
 2.81693962 -1.54421305 -0.89334736 -1.98488576 2.72440088 3.27828161
 2.98522177 -2.53863809 -0.42130135 -4.03008689]

Sample 3499: [0.52449122 0.70129658 0.27239499 4.04016471 5.05610449
 -2.87117647
 2.86811444 -1.59082314 -0.98964195 -1.91498467 2.7411088 3.26868704
 2.89425075 -2.49189776 -0.420941 -4.00896527]
 Sample 3500: [0.62730448 0.75013263 0.29636708 4.02689942 4.97675771
 -2.84925891
 2.8291015 -1.5856832 -1.048558 -1.95979841 2.67805357 3.30988624
 2.84878547 -2.54027774 -0.51114202 -4.05442074]
 Sample 3501: [0.54532442 0.70988464 0.26719593 4.09874747 5.05065073
 -2.93556123
 2.75573646 -1.57847826 -1.12017717 -1.95699517 2.68666491 3.30962178
 2.79566427 -2.56204435 -0.52655409 -4.02372446]
 Sample 3502: [0.58954284 0.70840307 0.32333478 4.14786023 4.97814295
 -2.95160986
 2.75129578 -1.52891938 -1.14082323 -2.02676741 2.71825941 3.3602521
 2.79680157 -2.57158557 -0.56733104 -4.05095691]
 Sample 3503: [0.55755451 0.73076947 0.25788387 4.13060715 5.01811723
 -3.00092685
 2.80131063 -1.4264352 -1.05698826 -2.03689359 2.75305239 3.34188182
 2.83556526 -2.54032985 -0.55447649 -4.01028939]
 Sample 3504: [0.61764332 0.74216483 0.25155584 4.1001668 5.02916551
 -2.9968265
 2.84242412 -1.38421913 -1.03270286 -1.94037577 2.80750983 3.3529371
 2.81444476 -2.51716002 -0.54838213 -3.90762636]
 Sample 3505: [0.56120556 0.78025711 0.21955996 4.13484231 5.03754117
 -2.95558925
 2.94919538 -1.3304689 -1.09523846 -1.92759479 2.72347707 3.38279121
 2.78299773 -2.50245959 -0.52684206 -3.8336143]
 Sample 3506: [0.5965334 0.78333265 0.26681422 4.05325797 5.01982995
 -2.92521393
 3.05412264 -1.33377681 -1.14911193 -1.94831045 2.77613742 3.34334209
 2.73872758 -2.51556516 -0.60182965 -3.8352127]
 Sample 3507: [0.5782517 0.79465035 0.223033 4.07512389 5.07214075
 -2.95535055
 3.03090794 -1.36571982 -1.20723858 -2.00977642 2.77419086 3.22955706
 2.77411638 -2.52415096 -0.69339825 -3.8843038]
 Sample 3508: [0.57251915 0.78220103 0.2667124 4.16834969 5.12789088
 -2.98328224
 3.12774938 -1.27053857 -1.11053371 -1.98840442 2.85646027 3.23422813
 2.81944691 -2.53123843 -0.65623324 -3.85483232]
 Sample 3509: [0.60328139 0.78367385 0.2137999 4.17489315 5.1990698
 -3.04582918
 3.20086984 -1.30788554 -1.15605481 -2.00207778 2.79906019 3.31515473
 2.77860107 -2.4581807 -0.59830116 -3.87360991]
 Sample 3510: [0.59645364 0.82711335 0.19922726 4.15816916 5.19337108
 -3.06745497
 3.1184005 -1.26054091 -1.17262457 -1.97179977 2.80892266 3.32923225
 2.85718724 -2.50173859 -0.62174703 -3.79834395]

Sample 3511: [0.62175209 0.86801033 0.24546909 4.16402498 5.17260956
 -3.05927994
 3.17140307 -1.24922797 -1.10983149 -1.95334604 2.76072507 3.33438143
 2.91189072 -2.46601689 -0.61832056 -3.78838893]
 Sample 3512: [0.56550098 0.77174915 0.19744729 4.17999534 5.13786283
 -3.06374189
 3.19668473 -1.25522449 -1.10878685 -2.02073646 2.67789312 3.35392654
 2.88582199 -2.41643437 -0.61012767 -3.75671513]
 Sample 3513: [0.59071078 0.86709678 0.28107271 4.13952131 5.11879064
 -3.0407376
 3.15219942 -1.24488324 -1.11934275 -1.99277475 2.70095776 3.32601632
 2.89233674 -2.36856251 -0.58095902 -3.68481428]
 Sample 3514: [0.50255024 0.79181578 0.24051781 4.10007808 5.19006688
 -3.0062837
 3.1697467 -1.29287671 -1.17718368 -1.96479003 2.64294464 3.21638678
 2.89299789 -2.37230232 -0.59818291 -3.68794439]
 Sample 3515: [0.55950117 0.82159604 0.27830274 4.14759655 5.22914361
 -2.97766523
 3.08630479 -1.31423487 -1.22597014 -1.96241437 2.69085866 3.18975865
 2.94067181 -2.41754113 -0.55064005 -3.6700423]
 Sample 3516: [0.56129915 0.79157931 0.31055697 4.1622028 5.20392012
 -2.94811694
 3.07432671 -1.34297257 -1.19782759 -2.03552675 2.64319473 3.18645356
 2.97636284 -2.48738819 -0.51663737 -3.66321606]
 Sample 3517: [0.54042484 0.80271811 0.28974608 4.16260062 5.28336052
 -2.97381221
 3.11187457 -1.32734431 -1.21839925 -2.02691882 2.55422858 3.16484542
 2.89242311 -2.43339557 -0.49676291 -3.6925136]
 Sample 3518: [0.55941805 0.76840291 0.29453921 4.17197217 5.23807535
 -2.97573279
 3.01667345 -1.33856568 -1.23197951 -2.02004741 2.4877544 3.23152104
 2.95410355 -2.31148833 -0.44387017 -3.77522753]
 Sample 3519: [0.5487304 0.78432883 0.21454392 4.23558728 5.29336715
 -2.96392704
 2.90851214 -1.35288134 -1.27879457 -2.03952996 2.50453537 3.23528619
 2.95194425 -2.31109777 -0.45793235 -3.6966829]
 Sample 3520: [0.63251833 0.74950029 0.28285197 4.16954519 5.2200098
 -2.98306077
 2.8409135 -1.35551011 -1.27053441 -1.99996237 2.42969072 3.28344525
 2.90253941 -2.28399249 -0.46222719 -3.70503056]
 Sample 3521: [0.52945793 0.73821676 0.26312474 4.23118689 5.26099655
 -3.0528758
 2.77727769 -1.35980274 -1.29175153 -1.97458264 2.39500057 3.27505758
 2.85115049 -2.40112928 -0.57961516 -3.71029054]
 Sample 3522: [0.58869681 0.76995707 0.32127737 4.16645346 5.25490909
 -3.02772227
 2.81692163 -1.46572231 -1.25562739 -2.00443911 2.3944691 3.31152856
 2.87870252 -2.39336005 -0.60299851 -3.70455133]

Sample 3523: [0.58030511 0.74709716 0.28137844 4.15688611 5.31597875
 -3.09276362
 2.83575909 -1.42835156 -1.31183415 -1.91889322 2.45480032 3.24007233
 2.90955519 -2.36620109 -0.61742233 -3.64960601]
 Sample 3524: [0.5823187 0.78400098 0.32553729 4.11442274 5.26889963
 -3.13658753
 2.8522016 -1.38265345 -1.32675541 -1.96345534 2.44481779 3.10663583
 2.82263097 -2.34707324 -0.56212421 -3.6289227]
 Sample 3525: [0.55820235 0.70738506 0.25199226 4.19945044 5.34886413
 -3.14823067
 2.83247095 -1.45215855 -1.35037633 -1.97577683 2.42243575 3.09259022
 2.76937815 -2.39398766 -0.48421816 -3.56585549]
 Sample 3526: [0.63195326 0.78903524 0.3045902 4.22346771 5.22754216
 -3.16695208
 2.86133133 -1.43692034 -1.30564202 -2.04138611 2.35124488 3.09757637
 2.76004703 -2.32130886 -0.4802229 -3.59731698]
 Sample 3527: [0.57412178 0.76208245 0.24679762 4.28625221 5.25822757
 -3.13786829
 2.86912123 -1.42636048 -1.33641744 -1.95706568 2.38979617 3.07092871
 2.81117612 -2.26006091 -0.55935588 -3.57049507]
 Sample 3528: [0.6045122 0.73118314 0.35537852 4.28566586 5.29214977
 -3.15961243
 2.94442789 -1.4620891 -1.30277578 -2.03598209 2.37338553 3.05853456
 2.82199833 -2.20873185 -0.59398525 -3.4962996]
 Sample 3529: [0.64296204 0.80345934 0.20033325 4.39920012 5.27702521
 -3.17975312
 2.87029105 -1.41750188 -1.38679715 -2.04998789 2.40794319 3.05668713
 2.8561594 -2.17969557 -0.62971766 -3.41253111]
 Sample 3530: [0.61248278 0.78987676 0.25377947 4.41259557 5.19549857
 -3.07228473
 2.95565248 -1.44610791 -1.4088237 -2.03285925 2.48701597 3.10665408
 2.86965325 -2.2056631 -0.64062989 -3.32589893]
 Sample 3531: [0.58244401 0.83292111 0.25119836 4.42822433 5.2093528
 -3.19916089
 2.91644651 -1.46801607 -1.39332 -2.06465459 2.46467782 3.02426365
 2.82839549 -2.26866486 -0.62860275 -3.33722174]
 Sample 3532: [0.6858436 0.8173301 0.2552837 4.43843189 5.29267028
 -3.21611653
 2.93307058 -1.48221399 -1.39451767 -2.0954575 2.44452109 3.02492189
 2.82564138 -2.24299259 -0.63693201 -3.33230941]
 Sample 3533: [0.64002884 0.74830607 0.24364149 4.49635524 5.30154965
 -3.19121415
 2.9058903 -1.51733604 -1.37365879 -2.11030253 2.52069596 3.01681827
 2.7994736 -2.25046303 -0.70445938 -3.46332655]
 Sample 3534: [0.6301852 0.78767399 0.27123941 4.56063314 5.29141726
 -3.18388423
 2.89420853 -1.52652106 -1.40286724 -2.14414952 2.51377361 2.96782103
 2.73895939 -2.17961052 -0.78401147 -3.42039786]

Sample 3535: [0.6564448 0.75244261 0.28489026 4.54665602 5.28925027
 -3.26102781
 2.86753085 -1.56403885 -1.38699313 -2.06793 2.41301036 2.99082689
 2.75462833 -2.1468478 -0.77669303 -3.35383435]
 Sample 3536: [0.66165689 0.80183961 0.29344354 4.49918633 5.33496096
 -3.24763356
 2.92123306 -1.55017278 -1.31618617 -2.04650898 2.38956703 3.09906352
 2.82172417 -2.13986709 -0.8015518 -3.27024187]
 Sample 3537: [0.64305054 0.8335549 0.22925277 4.46155243 5.32794665
 -3.29225337
 2.89351833 -1.53414401 -1.31071013 -2.01461111 2.49775373 3.14403301
 2.78605374 -2.15191334 -0.87521568 -3.21679208]
 Sample 3538: [0.68763278 0.78064724 0.27339402 4.38379332 5.38214911
 -3.26042699
 2.85235416 -1.63561332 -1.34609957 -2.00200477 2.47994092 3.14657472
 2.85920163 -2.14788104 -0.8299283 -3.1998874]
 Sample 3539: [0.62771349 0.78693003 0.25409916 4.33151846 5.33284867
 -3.22060992
 2.79108709 -1.67978048 -1.33015206 -2.03538228 2.47303483 3.07877125
 2.83497074 -2.16370079 -0.82530446 -3.18489089]
 Sample 3540: [0.67294418 0.78958437 0.26127471 4.35745456 5.26819443
 -3.26019893
 2.81568335 -1.73818417 -1.28983542 -1.98965575 2.37185005 3.06575022
 2.89480889 -2.12691073 -0.80671559 -3.06801957]
 Sample 3541: [0.67659444 0.81983145 0.27711896 4.29987038 5.20806629
 -3.28172378
 2.81372521 -1.72933809 -1.28776044 -1.95393785 2.34514209 3.01328671
 2.90471873 -2.08855638 -0.90869286 -3.08786759]
 Sample 3542: [0.61738621 0.82356123 0.32934003 4.2635371 5.12554762
 -3.28437431
 2.858435 -1.73947533 -1.28052568 -2.09551134 2.44841443 3.07177352
 2.94985413 -2.12850936 -0.8516166 -3.07061131]
 Sample 3543: [0.59134203 0.82731355 0.37199488 4.23664796 5.14780316
 -3.22172607
 2.87615073 -1.76488169 -1.34338882 -2.12114431 2.48157584 3.11517768
 2.92035907 -2.12545358 -0.82513774 -3.04356442]
 Sample 3544: [0.60078487 0.79494646 0.29913532 4.21767862 5.16375537
 -3.08590763
 2.82728612 -1.81277343 -1.38701381 -2.11704141 2.46314493 3.16547371
 2.87947921 -2.12520445 -0.8168164 -3.06457952]
 Sample 3545: [0.64803375 0.84038777 0.310825 4.32213909 5.14965151
 -3.0870689
 2.84966253 -1.91364839 -1.42044662 -2.064704 2.45080457 3.21998429
 2.94310126 -2.16662926 -0.85732415 -3.1507207]
 Sample 3546: [0.67459392 0.79399189 0.32067567 4.31311346 5.11874676
 -3.11549554
 2.86384333 -1.9990868 -1.38630033 -2.04335275 2.49011162 3.29960794
 2.9136567 -2.16692935 -0.89752226 -3.12192205]

Sample 3547: [0.63271018 0.87415925 0.31449587 4.29630573 5.111677
 -3.16009726
 2.85772627 -1.92889004 -1.42602607 -2.11079434 2.49739284 3.25356822
 2.90884518 -2.14280412 -0.8061634 -3.14560829]
 Sample 3548: [0.7128121 0.77971177 0.32284566 4.27885828 5.10419837
 -3.20396475
 2.88273064 -1.92329229 -1.53193982 -2.15855957 2.44445319 3.27603071
 2.91313772 -2.12429009 -0.85117817 -3.1200008]
 Sample 3549: [0.61955574 0.87649151 0.27809098 4.16285958 5.11558645
 -3.20258189
 2.88344227 -1.88238788 -1.49946759 -2.11560356 2.46073292 3.2615643
 2.86824766 -2.16445789 -0.79159683 -3.14736621]
 Sample 3550: [0.66980535 0.84702367 0.32479308 4.15371574 5.22076557
 -3.16360002
 2.92201151 -1.88537622 -1.51719008 -2.1465898 2.46993483 3.38683935
 2.82476907 -2.04872111 -0.84875179 -3.13977837]
 Sample 3551: [0.65033851 0.79469102 0.28374643 4.23033998 5.1522324
 -3.14040641
 2.8600267 -1.83462447 -1.46746157 -2.18813604 2.46914293 3.36094718
 2.84298809 -1.9835 -0.8959686 -3.22890779]
 Sample 3552: [0.65027334 0.85705574 0.30465631 4.26068072 5.23222114
 -3.13821825
 2.98123897 -1.81715941 -1.40765115 -2.26564508 2.48412988 3.35039662
 2.92648702 -1.92869496 -0.81906134 -3.23445824]
 Sample 3553: [0.59423573 0.84920848 0.34585654 4.27712075 5.25453589
 -3.09894488
 3.03253431 -1.86319811 -1.38711181 -2.19430767 2.41137505 3.34235703
 2.95145683 -1.8794725 -0.79715549 -3.22881193]
 Sample 3554: [0.62953388 0.84612621 0.28251419 4.29721968 5.18645176
 -3.06689775
 2.99615128 -1.90866106 -1.44122182 -2.12718491 2.42187258 3.31001978
 2.96167634 -1.86554663 -0.74796429 -3.12334581]
 Sample 3555: [0.62064648 0.84946664 0.31195099 4.39902995 5.16243763
 -3.02301388
 2.94006274 -1.97487801 -1.40779755 -2.0419145 2.46849496 3.2928669
 3.03913814 -1.8328939 -0.63103137 -3.18925872]
 Sample 3556: [0.59100149 0.82765473 0.31675701 4.38495702 5.21461647
 -3.04635756
 2.97419842 -2.03696275 -1.32798303 -2.10898198 2.54303788 3.22747786
 3.12561896 -1.8597165 -0.62230016 -3.23466691]
 Sample 3557: [0.66089919 0.82948608 0.29714937 4.36209801 5.19378058
 -3.04182201
 2.91548107 -2.00963276 -1.41598487 -2.08373964 2.5503256 3.18872671
 3.12209644 -1.79408106 -0.65715764 -3.20415084]
 Sample 3558: [0.61635553 0.8133067 0.31214598 4.36433321 5.2150204
 -3.06616271
 2.97112389 -2.01772422 -1.40082674 -2.0799698 2.53078565 3.20155693
 3.17486674 -1.7867613 -0.63318285 -3.19907729]

Sample 3559: [0.61957162 0.80999613 0.28003258 4.32899621 5.2237756
 -3.00185704
 2.93719518 -1.98573058 -1.41171816 -2.10538976 2.46581677 3.23532902
 3.20721303 -1.81093985 -0.63879113 -3.16063156]
 Sample 3560: [0.55776759 0.83880039 0.31657587 4.3373883 5.17366998
 -2.85855033
 2.9318667 -2.03676002 -1.39204091 -2.17391971 2.45925705 3.17564081
 3.20593712 -1.91265593 -0.64448542 -3.16837073]
 Sample 3561: [0.70576778 0.89733842 0.32370701 4.39244927 5.09789073
 -2.95770328
 2.92602375 -2.0635454 -1.41753641 -2.21284079 2.43097694 3.18714845
 3.18524638 -1.995443 -0.72200126 -3.11916394]
 Sample 3562: [0.69824991 0.83167481 0.35337898 4.38630959 5.05636959
 -2.97564071
 3.06113629 -1.98965556 -1.40019713 -2.28623796 2.41218866 3.26924682
 3.18800848 -1.98604362 -0.70308298 -3.13307794]
 Sample 3563: [0.67294143 0.85708672 0.25697531 4.28947169 5.10264345
 -3.09453402
 3.03639453 -1.89830493 -1.38091723 -2.28878679 2.47323878 3.2125652
 3.2889621 -1.99217096 -0.67446855 -3.05591207]
 Sample 3564: [0.6290323 0.88637776 0.27114947 4.26254328 5.11229615
 -3.05362561
 3.02545959 -1.8617656 -1.33083194 -2.38740934 2.45832786 3.31149982
 3.2901561 -2.00068145 -0.70491172 -3.01724983]
 Sample 3565: [0.63684815 0.84998839 0.23544976 4.22343392 4.99359944
 -3.05894975
 3.01868539 -1.84684729 -1.34188602 -2.33902042 2.46186029 3.31143332
 3.25090281 -2.0235439 -0.67553595 -3.02262702]
 Sample 3566: [0.59296145 0.90651058 0.30561674 4.20678765 4.94065624
 -3.11667615
 2.98858691 -1.8715421 -1.31446914 -2.42239719 2.42774449 3.28151714
 3.20626788 -2.12597025 -0.67211193 -3.09736135]
 Sample 3567: [0.59535895 0.85656684 0.23715444 4.18537283 4.96652762
 -3.07306254
 3.12694235 -1.82646345 -1.31760312 -2.44848796 2.41371065 3.29852923
 3.24101297 -2.19626081 -0.66286282 -3.02432205]
 Sample 3568: [0.66344751 0.9670266 0.26688284 4.18353087 5.01867522
 -2.975774
 3.16962347 -1.85191645 -1.32529831 -2.41512085 2.46492453 3.32743314
 3.29237277 -2.27633597 -0.72744035 -2.98455605]
 Sample 3569: [0.56769674 0.89209588 0.23427076 4.18386604 5.01238763
 -2.9272314
 3.15355866 -1.84789516 -1.28891784 -2.43813646 2.41479658 3.32913717
 3.36610866 -2.2809842 -0.75484321 -3.02592131]
 Sample 3570: [0.63870371 0.898405 0.26157106 4.15899867 5.07323278
 -3.00707024
 3.1657746 -1.82295926 -1.41531646 -2.43547024 2.33250106 3.22805591
 3.29309816 -2.28054899 -0.84369247 -3.00277723]

Sample 3571: [0.66834127 0.8874989 0.25541506 4.0750164 5.02784182
 -2.97808986
 3.16543698 -1.72297809 -1.32482783 -2.46049276 2.27289871 3.2252056
 3.29389665 -2.19783903 -0.82645299 -3.06816677]
 Sample 3572: [0.62161671 0.89551162 0.22883938 3.91630321 5.01423725
 -3.06451785
 3.14585428 -1.61207825 -1.2430051 -2.49006552 2.26913708 3.31437476
 3.28484579 -2.20132311 -0.81473131 -3.09770299]
 Sample 3573: [0.64266311 0.91376896 0.24613562 3.85975341 4.91813352
 -3.10022275
 3.17021364 -1.69773565 -1.2838689 -2.53649396 2.19548999 3.2581234
 3.36142052 -2.22660027 -0.78175336 -3.06756718]
 Sample 3574: [0.61273584 0.88536227 0.21252443 3.88109435 4.98475536
 -3.04607922
 3.23021802 -1.63609225 -1.34385399 -2.56509173 2.28500347 3.20553141
 3.34816324 -2.23210007 -0.76214132 -3.10656262]
 Sample 3575: [0.63792723 0.92680446 0.23446788 3.84489216 5.02187967
 -3.08884399
 3.21217868 -1.6523151 -1.33835651 -2.54579924 2.34168739 3.18647999
 3.2944808 -2.24182969 -0.72906454 -3.10220666]
 Sample 3576: [0.6368285 0.8639002 0.23298321 3.88831875 5.07088767
 -3.01807472
 3.15715078 -1.65158494 -1.30286506 -2.59926923 2.33816166 3.23446819
 3.22584356 -2.31462331 -0.66816315 -3.07862864]
 Sample 3577: [0.60764014 0.94654084 0.22300873 3.89293529 4.98718459
 -3.01531894
 3.12969716 -1.69991454 -1.26056225 -2.54507798 2.35016943 3.11476261
 3.19409917 -2.3858772 -0.62039079 -2.97071507]
 Sample 3578: [0.63330441 0.8674483 0.23809143 3.82030635 4.97665171
 -2.91089308
 3.20933013 -1.66183277 -1.28648418 -2.60121332 2.32969482 3.18059431
 3.22654118 -2.32924299 -0.62809392 -3.03817761]
 Sample 3579: [0.6185447 0.92351099 0.25061078 3.81955792 5.07277191
 -2.8348828
 3.25557901 -1.69763081 -1.21651765 -2.70836272 2.29934127 3.10401756
 3.21298064 -2.32152404 -0.60386018 -3.09899929]
 Sample 3580: [0.58390035 0.8806161 0.22555062 3.87102969 5.13497844
 -2.8290684
 3.26686018 -1.65378063 -1.21638974 -2.65681292 2.30780248 3.15509108
 3.24287393 -2.35642718 -0.51092186 -3.07303956]
 Sample 3581: [0.62946726 0.92393592 0.23739129 3.85329614 5.0172885
 -2.78720021
 3.20674101 -1.67856949 -1.24162411 -2.59938808 2.32206055 3.20952305
 3.35058933 -2.36712991 -0.42104404 -3.03538262]
 Sample 3582: [0.58011248 0.91412639 0.23970155 3.76236551 5.02663088
 -2.72789689
 3.14702986 -1.71142444 -1.27351063 -2.63687448 2.33618468 3.17416969
 3.28726466 -2.32736621 -0.46514709 -3.08100896]

Sample 3583: [0.58645783 0.8318654 0.23335673 3.79654078 5.01941605
 -2.74261996
 3.18857025 -1.7547629 -1.17300303 -2.6544239 2.33148055 3.21205968
 3.34960899 -2.32022631 -0.50655089 -3.0221343]
 Sample 3584: [0.54948446 0.91245735 0.24014101 3.79813051 5.02185072
 -2.74666398
 3.17010555 -1.76081125 -1.14826997 -2.60895618 2.31052973 3.14234645
 3.39679921 -2.34684692 -0.49874758 -3.06995605]
 Sample 3585: [0.55872914 0.90901836 0.23119426 3.73971537 5.04702912
 -2.78509973
 3.2032539 -1.74779821 -1.15340272 -2.58906152 2.25034753 3.21039455
 3.48287996 -2.36879936 -0.39559159 -3.14299014]
 Sample 3586: [0.65471293 0.83082684 0.26557946 3.74598513 5.07578714
 -2.82669734
 3.13396171 -1.74282676 -1.17378261 -2.62106016 2.29089101 3.19093645
 3.42973224 -2.39677176 -0.34362567 -3.14483421]
 Sample 3587: [0.58005661 0.9316794 0.23577276 3.70205225 5.07948633
 -2.76712595
 3.17017549 -1.7292532 -1.1465936 -2.58215555 2.26533645 3.20030828
 3.43213577 -2.38082702 -0.39546239 -3.1296967]
 Sample 3588: [0.5367217 0.91299685 0.23257839 3.7086625 5.02904946
 -2.70127064
 3.19712658 -1.70072467 -1.1627283 -2.65954468 2.17621225 3.18643434
 3.37792329 -2.3199665 -0.30913838 -3.04975815]
 Sample 3589: [0.62454697 0.92235438 0.22873613 3.69764733 5.10140934
 -2.71250059
 3.26837202 -1.60108227 -1.18108564 -2.64816 2.2064388 3.25555739
 3.34326907 -2.38178041 -0.33221496 -2.99387405]
 Sample 3590: [0.53156586 0.93985683 0.20060034 3.71912694 5.11490598
 -2.73421357
 3.2675926 -1.62836359 -1.15546809 -2.66719348 2.30408737 3.26049398
 3.40290596 -2.35559486 -0.28964193 -3.01757163]
 Sample 3591: [0.55773541 0.93409178 0.2088871 3.79348379 5.20059077
 -2.70001583
 3.20935209 -1.64536197 -1.19654287 -2.58426986 2.34357339 3.28751358
 3.31554023 -2.34248837 -0.31667678 -3.01390008]
 Sample 3592: [0.56259372 0.88648983 0.21538832 3.78530887 5.22774499
 -2.64054384
 3.18769546 -1.59571644 -1.1731366 -2.54013249 2.28925344 3.28157069
 3.37460085 -2.32966451 -0.23958417 -3.0896676]
 Sample 3593: [0.55226426 0.89258369 0.21030018 3.76862152 5.22935013
 -2.70300423
 3.0801942 -1.61317418 -1.17310474 -2.50958703 2.23052572 3.28929506
 3.34842686 -2.41367104 -0.34920892 -3.11038021]
 Sample 3594: [0.56320452 0.8868717 0.23059955 3.72703832 5.25016932
 -2.70263749
 3.06957225 -1.62572531 -1.17049082 -2.52700044 2.2359581 3.25100687
 3.35364373 -2.47044431 -0.37637225 -3.14317346]

Sample 3595: [0.49534936 0.8546007 0.19660602 3.6795443 5.22504563
 -2.59809735
 3.02406317 -1.58846207 -1.17589412 -2.46541051 2.29323811 3.37152843
 3.25673127 -2.47732157 -0.30069523 -3.07765176]
 Sample 3596: [0.57317624 0.87680419 0.21294051 3.67013565 5.22055119
 -2.53397126
 3.01699382 -1.55105484 -1.2094945 -2.46461072 2.27454827 3.46051369
 3.27536401 -2.5102069 -0.36741066 -3.02928272]
 Sample 3597: [0.54287796 0.883268 0.19764435 3.67239849 5.19217121
 -2.56672633
 2.98304328 -1.48806953 -1.22128676 -2.36376335 2.38536608 3.44016573
 3.22413609 -2.46715041 -0.31189628 -3.00251497]
 Sample 3598: [0.5107124 0.87839263 0.1517943 3.69330148 5.18064318
 -2.58199295
 2.9585098 -1.4477233 -1.22298955 -2.36272238 2.38154497 3.50658719
 3.14772401 -2.37025654 -0.33344877 -2.91781867]
 Sample 3599: [0.50970148 0.87556328 0.17629522 3.75944241 5.22044032
 -2.53420382
 2.96491626 -1.46306142 -1.23867128 -2.33747502 2.35319769 3.54542507
 3.2997035 -2.35935719 -0.25734594 -2.89676915]
 Sample 3600: [0.53231445 0.90372092 0.15041518 3.70163172 5.24976408
 -2.45105207
 3.01078663 -1.43387117 -1.21400943 -2.31098037 2.32954862 3.52889018
 3.25544223 -2.33310845 -0.26817021 -2.86411685]
 Sample 3601: [0.49711677 0.87132849 0.17461079 3.67637547 5.32208428
 -2.46563349
 2.92370904 -1.43332435 -1.27110587 -2.17752032 2.26793375 3.49208244
 3.34597172 -2.35764792 -0.19387458 -2.90842616]
 Sample 3602: [0.51345538 0.89261611 0.16290208 3.714745 5.21879402
 -2.52828643
 2.94195908 -1.47580907 -1.30167915 -2.24156153 2.26068061 3.46101404
 3.32009636 -2.3240562 -0.24538863 -2.88114103]
 Sample 3603: [0.52616927 0.92320086 0.18070903 3.57781878 5.17186073
 -2.5732434
 2.99322681 -1.52238876 -1.26818067 -2.26610915 2.22135198 3.50442984
 3.38819454 -2.33639441 -0.20084011 -2.93801796]
 Sample 3604: [0.55404929 0.8858062 0.2045873 3.62258277 5.15208717
 -2.60068462
 3.08044713 -1.57555629 -1.2583591 -2.27986026 2.14595458 3.57977267
 3.38127436 -2.34948402 -0.14766523 -2.95316953]
 Sample 3605: [0.56157213 0.92439069 0.20881625 3.63977901 5.09551545
 -2.6083708
 3.07803721 -1.61282326 -1.27993325 -2.3485705 2.14324914 3.58093768
 3.43383545 -2.32269731 -0.21268307 -2.93539983]
 Sample 3606: [0.52371734 0.92152169 0.22228327 3.60875575 5.09358126
 -2.58554778
 3.18174007 -1.7332708 -1.30238321 -2.32863399 2.188489 3.5871461
 3.42110086 -2.35672151 -0.18447896 -2.95693579]

Sample 3607: [0.53135861 0.92652641 0.21919428 3.58718825 5.02457092
 -2.5623167
 3.21858906 -1.68456147 -1.31255018 -2.30311788 2.16360378 3.59424245
 3.40836931 -2.38782019 -0.15150289 -2.89126994]
 Sample 3608: [0.53197686 0.93837865 0.20488223 3.60248381 4.99316549
 -2.5827166
 3.19210693 -1.65392894 -1.41510645 -2.32764225 2.14504035 3.59090901
 3.38832341 -2.3702434 -0.15785672 -2.86397339]
 Sample 3609: [0.54672773 0.98167475 0.2136937 3.67499994 4.98676386
 -2.56736634
 3.18179499 -1.65002341 -1.43047095 -2.31509424 2.19133162 3.54282283
 3.35401481 -2.35359613 -0.09157504 -2.91310116]
 Sample 3610: [0.47352912 0.95677419 0.18801718 3.65088469 5.10484408
 -2.51003787
 3.22259028 -1.57331969 -1.35072763 -2.33952056 2.25940325 3.60350308
 3.42672564 -2.33105267 -0.01240937 -2.94210961]
 Sample 3611: [0.49975299 0.94322761 0.17885537 3.62030881 5.16828396
 -2.58752923
 3.30062494 -1.55003079 -1.43304133 -2.27489058 2.26192724 3.61458194
 3.41167586 -2.40412781 -0.08691694 -2.84695535]
 Sample 3612: [0.55440006 0.94389473 0.19258471 3.57136433 5.15377825
 -2.59361572
 3.25226581 -1.61675771 -1.45793549 -2.28516906 2.27463423 3.61891771
 3.38943266 -2.48734768 -0.16875273 -2.99125963]
 Sample 3613: [0.52620869 0.97854902 0.20297417 3.54677475 5.09911978
 -2.60015673
 3.26303839 -1.58889822 -1.51160717 -2.33064488 2.33629596 3.59905787
 3.40767828 -2.55210973 -0.2000624 -2.93185844]
 Sample 3614: [0.53726385 0.93483122 0.16864913 3.50267692 5.10813232
 -2.61034956
 3.26968837 -1.57481148 -1.5832008 -2.26243192 2.34985366 3.49906768
 3.40513549 -2.48096146 -0.2171577 -2.9409473]
 Sample 3615: [0.53687357 0.94968053 0.19263019 3.45721704 5.01887961
 -2.5896638
 3.31365022 -1.58383814 -1.58536037 -2.27987468 2.41276866 3.60359526
 3.42242563 -2.47989031 -0.10013153 -2.93699217]
 Sample 3616: [0.51995966 1.00526306 0.19332904 3.53079948 5.0787737
 -2.62052549
 3.25170299 -1.63373323 -1.63781122 -2.31956605 2.45066255 3.5910398
 3.43258383 -2.49123524 -0.10727052 -2.98749707]
 Sample 3617: [0.52710313 0.91879491 0.16533001 3.52681566 5.0952717
 -2.6355892
 3.17480981 -1.59554804 -1.68377666 -2.18578732 2.39112878 3.56680502
 3.45635137 -2.41634812 -0.07777466 -2.88217673]
 Sample 3618: [0.5213905 0.95993343 0.18985859 3.6389348 5.07759321
 -2.57537632
 3.2234982 -1.60575324 -1.6460518 -2.14164568 2.36090083 3.60419268
 3.47294076 -2.49979549 -0.05226082 -2.86691843]

Sample 3619: [0.6093417 0.96777537 0.21656358 3.65674228 5.1089848
 -2.49498335
 3.240009 -1.58105049 -1.66925806 -2.15824605 2.29899926 3.52509594
 3.53119086 -2.52907184 -0.06252694 -2.76799436]
 Sample 3620: [0.59316391 0.94348921 0.20360345 3.71448705 5.14788412
 -2.51317223
 3.25066872 -1.6513236 -1.62575924 -2.13340319 2.26710952 3.65330888
 3.48289634 -2.4885781 0.00653283 -2.78584369]
 Sample 3621: [0.53531665 0.9688952 0.21850196 3.78324439 5.12157963
 -2.52058802
 3.15375172 -1.63798349 -1.64026682 -2.09762057 2.26514128 3.61835484
 3.41643161 -2.48892944 -0.03150203 -2.76569331]
 Sample 3622: [0.43902814 0.94202467 0.15358848 3.75442905 5.13870394
 -2.45828301
 3.07128344 -1.66012934 -1.64270796 -2.12047291 2.28479298 3.70245102
 3.44779242 -2.44044873 -0.02094527 -2.72560808]
 Sample 3623: [0.50572994 0.90727158 0.2188853 3.72750988 5.15501827
 -2.45893177
 3.07882182 -1.63667461 -1.60870994 -2.02664006 2.19096051 3.70911936
 3.37974684 -2.45847309 -0.0709148 -2.74029828]
 Sample 3624: [0.53847583 0.93338401 0.18214053 3.71902536 5.20434282
 -2.44254487
 3.04604681 -1.61687769 -1.56579747 -1.92081018 2.29773045 3.67408175
 3.40778327 -2.47442773 -0.00578688 -2.82245681]
 Sample 3625: [0.53967386 0.89390357 0.20937072 3.81992509 5.23544117
 -2.47187341
 2.98669877 -1.58971409 -1.65739988 -1.91546996 2.24235351 3.66963016
 3.39276121 -2.54981147 -0.03570302 -2.76867209]
 Sample 3626: [0.60516788 0.93324608 0.19166388 3.85500373 5.19504758
 -2.54079381
 3.00832343 -1.59952969 -1.7053602 -1.94345274 2.26109033 3.57357556
 3.39668643 -2.60071992 -0.01607252 -2.82007949]
 Sample 3627: [0.51893244 0.92483422 0.20620891 3.86949872 5.18304961
 -2.54178299
 2.99041321 -1.57376913 -1.67213393 -2.01955285 2.25692791 3.58620359
 3.38470723 -2.60703077 -0.01021232 -2.84658639]
 Sample 3628: [0.54181831 0.91055221 0.17409051 3.84860255 5.14504644
 -2.52564533
 2.87326018 -1.57067192 -1.73874749 -1.98899459 2.23643677 3.52631177
 3.36636732 -2.67703381 -0.01045091 -2.79099194]
 Sample 3629: [0.51570842 0.87405535 0.19048368 3.81053227 5.09948881
 -2.50755611
 2.96206929 -1.58612401 -1.69205555 -1.96289346 2.22318161 3.51913473
 3.40747878 -2.66159227 0.07158618 -2.75402147]
 Sample 3630: [0.58672169 0.93330116 0.18955024 3.75688645 5.06670326
 -2.50540215
 3.05150151 -1.54400172 -1.57558856 -1.984285 2.17419031 3.44297272
 3.27616396 -2.6725649 0.04439442 -2.75419572]

Sample 3631: [0.47669749 0.91977198 0.18210652 3.79970241 5.09351689
-2.49672422
3.12688186 -1.54842105 -1.53820615 -2.03989433 2.20305255 3.41513078
3.24260315 -2.68920029 0.01590634 -2.74527833]

Sample 3632: [5.86673518e-01 9.10676038e-01 2.10749068e-01 3.82668884e+00
5.07824863e+00 -2.52035483e+00 3.10556521e+00 -1.57372755e+00
-1.48581011e+00 -1.96054464e+00 2.16605259e+00 3.44971267e+00
3.13629582e+00 -2.73537435e+00 1.02726535e-03 -2.75214983e+00]

Sample 3633: [0.53807163 0.90710172 0.20762634 3.82990331 5.17348627
-2.56307909
3.10500131 -1.54744041 -1.46033381 -2.10306365 2.11397376 3.44317266
3.10132784 -2.7431097 -0.02656032 -2.70953542]

Sample 3634: [4.85365748e-01 9.42670474e-01 1.62909832e-01 3.85993248e+00
5.17596269e+00 -2.48139560e+00 3.07741443e+00 -1.48083756e+00
-1.49658541e+00 -2.03310440e+00 2.09397895e+00 3.37965605e+00
3.08169100e+00 -2.73517595e+00 -1.24080343e-03 -2.70319640e+00]

Sample 3635: [0.53932041 0.88980333 0.16901472 3.85477453 5.14053858
-2.51342823
3.11833854 -1.41184051 -1.4654583 -1.99799699 2.15129015 3.38146932
3.19895989 -2.7113029 -0.05814108 -2.62121918]

Sample 3636: [0.54411212 0.92853216 0.15068957 3.86344869 5.17535797
-2.52556369
3.03920725 -1.37114487 -1.43580236 -2.05042584 2.1843611 3.39718988
3.11840853 -2.71908094 -0.11754013 -2.61743127]

Sample 3637: [0.46685645 0.93429671 0.13450101 3.8509719 5.19102366
-2.51959307
3.0721058 -1.37657084 -1.48542932 -2.10244577 2.2410484 3.43516721
3.05378355 -2.69964207 -0.12781296 -2.621717]

Sample 3638: [0.50910657 0.93036046 0.12578249 3.88523861 5.20241011
-2.51929062
3.07901166 -1.26519541 -1.5134989 -2.10473665 2.27485847 3.44949349
3.12660295 -2.70514106 -0.07644264 -2.61917408]

Sample 3639: [6.11816968e-01 9.29266034e-01 1.52531060e-01 3.88100463e+00
5.15102739e+00 -2.46226246e+00 3.02676591e+00 -1.32502553e+00
-1.41203325e+00 -2.08764793e+00 2.36224667e+00 3.43903415e+00
3.10818008e+00 -2.66049159e+00 -3.39915615e-03 -2.58221108e+00]

Sample 3640: [0.4608599 0.89848865 0.11779224 3.92762055 5.13594646
-2.43349304
3.03930427 -1.34523455 -1.46183194 -2.07415827 2.44333639 3.40083852
3.0449579 -2.60169654 -0.00537666 -2.63729254]

Sample 3641: [0.46350718 0.96494113 0.13997117 3.94684805 5.15305691
-2.35961985
3.14946566 -1.40100551 -1.42902483 -2.04807789 2.51373132 3.474464
3.0470337 -2.63590607 -0.06990694 -2.66796755]

Sample 3642: [0.48653812 0.98086556 0.12343117 3.87429735 5.14923959
-2.35138723
3.17064307 -1.42729678 -1.48796992 -2.05765128 2.49951802 3.42861415
3.00794498 -2.67083801 0.04726245 -2.65839757]

Sample 3643: [0.42022579 0.98255925 0.14286764 3.8701267 5.23634752
 -2.38409842
 3.22380978 -1.42423122 -1.51866835 -2.09274669 2.52951796 3.39680563
 2.98621637 -2.7503444 0.16880416 -2.59293073]
 Sample 3644: [0.48443114 0.99002033 0.12696209 4.00663173 5.19132384
 -2.42504865
 3.32285783 -1.44231428 -1.52113475 -2.14177236 2.51068618 3.39163996
 2.97049821 -2.73455013 0.21441439 -2.62839024]
 Sample 3645: [0.49500104 0.99168264 0.1178519 4.00518141 5.19714862
 -2.48258406
 3.31262805 -1.31406535 -1.36627976 -2.05264397 2.57322728 3.39101352
 2.9760661 -2.71771105 0.20900983 -2.55649578]
 Sample 3646: [0.49794318 1.02096118 0.09069927 3.96441918 5.24476511
 -2.55712248
 3.26946161 -1.25723344 -1.35324729 -2.01142937 2.54977216 3.38860652
 2.93241173 -2.72353045 0.24276467 -2.63227334]
 Sample 3647: [0.49810236 0.98923041 0.11615173 3.97545707 5.2732047
 -2.50375023
 3.22903966 -1.25854235 -1.40155614 -1.99454058 2.65295078 3.39086137
 2.97728564 -2.76117195 0.26500866 -2.6984192]
 Sample 3648: [0.37544007 1.02125037 0.10151607 3.77582028 5.21368013
 -2.4813679
 3.22454868 -1.25394257 -1.44960634 -2.0212819 2.65149323 3.379888
 2.98407683 -2.85100292 0.17901947 -2.64966112]
 Sample 3649: [0.55928828 0.9331403 0.09794416 3.72598648 5.26536214
 -2.4278964
 3.17854869 -1.18779325 -1.38481331 -1.96312587 2.57890478 3.28031845
 2.97810875 -2.82498315 0.21967016 -2.67638157]
 Sample 3650: [0.54804609 0.9921869 0.13355771 3.77284537 5.32212412
 -2.47560926
 3.18663349 -1.23921449 -1.47295043 -2.06173608 2.66546924 3.2410563
 3.04614136 -2.8451184 0.19034549 -2.67696964]
 Sample 3651: [0.49272189 0.97949029 0.07496525 3.72617021 5.40025428
 -2.60012525
 3.28742995 -1.28403124 -1.43321185 -2.08092362 2.71154743 3.25895596
 3.12838938 -2.8380526 0.15786791 -2.81767127]
 Sample 3652: [0.46512498 1.03675283 0.13665921 3.74415791 5.35679649
 -2.58613209
 3.34159366 -1.24788825 -1.46347688 -2.1485628 2.6662368 3.22022009
 3.12803769 -2.80559193 0.19176062 -2.88928581]
 Sample 3653: [0.45229103 1.00089858 0.08891712 3.77082035 5.34685496
 -2.63208376
 3.36957662 -1.21728774 -1.38690257 -2.19960653 2.61607174 3.24169553
 3.13341549 -2.85874737 0.18992516 -2.83947022]
 Sample 3654: [0.58084985 1.01560192 0.11896326 3.7701518 5.31742261
 -2.61647851
 3.42253023 -1.18096564 -1.41999607 -2.11160221 2.59027586 3.18806137
 3.16086595 -2.82797404 0.10033389 -2.86560343]

Sample 3655: [0.54006431 0.99162693 0.09792726 3.70824435 5.27940645
 -2.62769097
 3.39431229 -1.14281569 -1.36801524 -2.03280885 2.57719397 3.21491868
 3.06677539 -2.93054465 0.04769343 -2.91297998]
 Sample 3656: [0.55320111 1.03245186 0.12009607 3.65459427 5.22597826
 -2.59857519
 3.45589066 -1.12867857 -1.36099659 -2.00389118 2.56497425 3.16583783
 3.05771376 -2.99197215 0.08449368 -2.93519634]
 Sample 3657: [0.45018446 0.97568472 0.07708661 3.70926692 5.29498345
 -2.57504183
 3.42696556 -1.06934614 -1.31615529 -2.03429614 2.48745809 3.23646983
 3.16805624 -3.05064332 -0.01320912 -2.95994925]
 Sample 3658: [0.47451172 1.01308502 0.12447882 3.65374271 5.31617146
 -2.60692136
 3.45228532 -1.09730618 -1.28270711 -2.04240407 2.53277319 3.27740991
 3.1494075 -3.07856585 0.04678104 -2.94224686]
 Sample 3659: [0.53355911 1.04468321 0.0630687 3.60733685 5.22567233
 -2.61231929
 3.41567183 -1.11748926 -1.33101579 -2.06490308 2.52651228 3.2149137
 3.11619468 -3.11762413 0.02015996 -2.98480255]
 Sample 3660: [0.53156024 0.99150015 0.12675068 3.62449347 5.16404425
 -2.58506184
 3.44550587 -1.0612624 -1.32553888 -2.11555896 2.555315 3.2514936
 3.12362611 -3.1132178 0.06300978 -3.00651602]
 Sample 3661: [0.51974603 1.04197185 0.06519774 3.63885464 5.21577035
 -2.52801116
 3.44651161 -1.04851779 -1.43816958 -2.13331088 2.6159363 3.26352753
 3.10197543 -3.06225417 0.19472205 -2.97566432]
 Sample 3662: [0.50097034 1.02196477 0.07304689 3.45694199 5.25181133
 -2.5251779
 3.37767182 -0.96461527 -1.39561756 -2.11265966 2.61769968 3.19227133
 3.11535567 -3.06493881 0.2556191 -2.97778884]
 Sample 3663: [0.4920269 1.07194381 0.04985541 3.43826622 5.27050096
 -2.44922426
 3.35775392 -0.92453959 -1.37923419 -2.11735242 2.5890033 3.25494016
 3.14452143 -3.03976665 0.23723771 -2.94087436]
 Sample 3664: [0.37992367 1.01741805 0.06679653 3.40158654 5.34297138
 -2.35963678
 3.27152601 -0.93943099 -1.40859574 -2.18510499 2.53992305 3.30300109
 3.11838257 -3.003768 0.16392992 -2.92753765]
 Sample 3665: [0.49966294 0.9894649 0.06777739 3.44069856 5.35517454
 -2.36412101
 3.15266259 -0.9960581 -1.47598622 -2.22360528 2.49599233 3.27852961
 3.06124829 -2.96131585 0.18408367 -2.87662521]
 Sample 3666: [0.45418658 0.97131837 0.07842275 3.40012632 5.37730712
 -2.38998649
 3.23250955 -0.98588236 -1.50596495 -2.23008175 2.49147035 3.25426706
 3.10801831 -2.97596345 0.25186504 -2.95674109]

Sample 3667: [0.46207283 1.00674698 0.08527717 3.37312742 5.43635324
 -2.35519122
 3.1959198 -0.98901843 -1.50968958 -2.16203331 2.53915458 3.25721414
 3.05021292 -2.97325639 0.2123311 -3.00004612]
 Sample 3668: [0.4758359 1.02007275 0.0822225 3.36928574 5.43521746
 -2.30593849
 3.2588945 -0.99677918 -1.45236546 -2.14636024 2.39852782 3.32861831
 2.9982941 -3.05498186 0.17616929 -2.97067118]
 Sample 3669: [0.43880165 0.98956662 0.0947328 3.29163271 5.39016692
 -2.37818591
 3.3096813 -0.89762658 -1.41792598 -2.09420529 2.34154912 3.37166157
 2.86269281 -3.08171105 0.11256228 -2.95585451]
 Sample 3670: [0.38815563 1.04321492 0.10197183 3.30420073 5.36499038
 -2.37227992
 3.28178352 -0.89889783 -1.49612126 -2.15161376 2.29310193 3.37117747
 2.84583729 -3.09488087 0.179988 -3.04024162]
 Sample 3671: [0.45800257 0.98940145 0.10591527 3.34400826 5.36966418
 -2.42762621
 3.27745793 -0.85407261 -1.40839628 -2.15327135 2.31688892 3.4558421
 2.89880569 -3.13624248 0.12440418 -3.02168149]
 Sample 3672: [0.49487267 1.00379811 0.08146953 3.38522956 5.36834597
 -2.41266086
 3.3353285 -0.83428431 -1.48332821 -2.0669501 2.32182855 3.43685111
 2.86972322 -3.12502005 0.14730147 -3.00593843]
 Sample 3673: [0.48070684 1.01261156 0.12748689 3.40565555 5.34128405
 -2.44330096
 3.34807153 -0.80346491 -1.54341955 -2.07600387 2.3489321 3.46198261
 2.87579596 -3.17928999 0.21166473 -3.02946882]
 Sample 3674: [0.45229237 0.98812704 0.12942707 3.37664089 5.37335346
 -2.47867932
 3.33889063 -0.87727913 -1.56877256 -2.0437052 2.26364175 3.5060357
 2.85824214 -3.08892127 0.18319108 -3.05517853]
 Sample 3675: [0.44461179 0.94386314 0.11606538 3.35490486 5.3432783
 -2.54191857
 3.27931496 -0.93939856 -1.6406385 -2.00909995 2.2625442 3.50277505
 2.85606184 -3.12120839 0.14319319 -2.9799343]
 Sample 3676: [0.46094089 0.98301151 0.14459397 3.28554719 5.38784252
 -2.55456647
 3.29538852 -1.01779595 -1.67251897 -2.05958139 2.17000167 3.53579715
 2.86235561 -3.16712785 0.13560319 -2.99127035]
 Sample 3677: [0.45235861 1.00597012 0.10243861 3.29392744 5.36505431
 -2.46134965
 3.27373087 -0.98136939 -1.66924567 -2.04768269 2.18876419 3.50760966
 2.7245426 -3.19999579 0.13689363 -2.94772302]
 Sample 3678: [0.48333639 1.0144893 0.1213735 3.23882109 5.41470933
 -2.38779243
 3.31289249 -0.93901041 -1.63669852 -2.10763895 2.19911495 3.44897184
 2.69659761 -3.20708129 0.1752903 -3.00806211]

Sample 3679: [0.51946191 1.01275824 0.1140347 3.26357479 5.36348557
 -2.39611936
 3.35875296 -0.91177877 -1.69039434 -2.09152396 2.18165993 3.38108871
 2.78197474 -3.19608564 0.2537001 -3.03709521]
 Sample 3680: [0.44738658 0.9950067 0.11952435 3.36163558 5.32378593
 -2.39000447
 3.41092167 -0.96029111 -1.68589075 -2.1075076 2.16341157 3.42404924
 2.78114729 -3.22844746 0.25288025 -3.01882501]
 Sample 3681: [0.48171994 0.99268971 0.17123662 3.3624164 5.33516358
 -2.44664101
 3.34911491 -1.06631367 -1.60940072 -2.09199395 2.14450133 3.34243743
 2.84768615 -3.21446352 0.28525123 -2.93125267]
 Sample 3682: [0.56767081 1.00243872 0.15620598 3.37610505 5.35709851
 -2.38207797
 3.355704 -1.07650907 -1.61695571 -2.09228767 2.13845855 3.36885471
 2.87231557 -3.19978752 0.29231768 -2.93375717]
 Sample 3683: [0.48729524 0.9758378 0.14534256 3.3317988 5.37223119
 -2.41510893
 3.4093223 -1.15112838 -1.70706912 -2.15556335 2.08550814 3.40523197
 2.84873047 -3.23558246 0.35155417 -2.88666206]
 Sample 3684: [0.54410598 0.97929773 0.17277631 3.31459938 5.36522991
 -2.44946525
 3.40845964 -1.18123209 -1.71234901 -2.16619566 2.13171697 3.44702823
 2.74741365 -3.20123613 0.33935153 -2.97206668]
 Sample 3685: [0.49312106 0.97736514 0.15167385 3.35802435 5.46166316
 -2.42328457
 3.36963264 -1.18129923 -1.7178659 -2.18103283 2.20443766 3.47451184
 2.68370037 -3.18572137 0.38030856 -2.83557339]
 Sample 3686: [0.47470611 1.02793685 0.18155729 3.25390038 5.42380358
 -2.41031951
 3.40342083 -1.13727601 -1.52117371 -2.1683395 2.17523811 3.48684441
 2.64110355 -3.16133497 0.37109734 -2.83892487]
 Sample 3687: [0.48196217 0.97756069 0.17166192 3.23413201 5.43292432
 -2.41909835
 3.38642962 -1.20012018 -1.51987832 -2.20273218 2.10205947 3.41090738
 2.67254145 -3.14382964 0.3203085 -2.83791157]
 Sample 3688: [0.44056407 0.98530554 0.16596924 3.18680888 5.49692559
 -2.39391713
 3.46435594 -1.32353717 -1.4787999 -2.2189485 2.09234539 3.45750137
 2.65038475 -3.17484131 0.3889663 -2.78729886]
 Sample 3689: [0.53841076 1.02815759 0.19951253 3.21904634 5.48675453
 -2.41129063
 3.47381381 -1.34962588 -1.44674284 -2.21352675 2.16265481 3.42752309
 2.58845409 -3.21008371 0.45214418 -2.8498756]
 Sample 3690: [0.45574303 0.99961378 0.20289285 3.23307146 5.47410359
 -2.39916488
 3.45563377 -1.32849611 -1.40011908 -2.18786604 2.15159406 3.41509773
 2.60226329 -3.25114558 0.59564555 -2.85146814]

Sample 3691: [0.50064568 1.02216666 0.24445785 3.24252545 5.38949306
 -2.38065017
 3.42695218 -1.30503114 -1.41959002 -2.17666618 2.12873935 3.48424316
 2.60830096 -3.28148001 0.59816543 -2.89400439]
 Sample 3692: [0.45824694 0.97935858 0.2045919 3.24190218 5.34115892
 -2.36844268
 3.44300583 -1.34933095 -1.33830543 -2.19209631 2.07330896 3.49395912
 2.53241408 -3.29336141 0.5860597 -2.95689357]
 Sample 3693: [0.47475224 1.02174606 0.25058774 3.22454455 5.38037117
 -2.42017556
 3.48705856 -1.32880551 -1.31652847 -2.19701945 2.01474481 3.46287499
 2.48959828 -3.31715076 0.56758704 -2.91735151]
 Sample 3694: [0.44799262 1.00846502 0.24819373 3.31188038 5.37034626
 -2.47337339
 3.49350278 -1.36932526 -1.25560227 -2.20433078 2.02677173 3.51255393
 2.5146135 -3.40926991 0.68368543 -2.8824478]
 Sample 3695: [0.43911095 0.9764925 0.25124908 3.38112804 5.49651456
 -2.39018796
 3.48444286 -1.34908043 -1.31887631 -2.22343517 2.01732859 3.52305467
 2.55050481 -3.36674788 0.68763325 -2.86446044]
 Sample 3696: [0.43733181 0.96871976 0.25027376 3.44233916 5.36861445
 -2.34940263
 3.46887003 -1.37550901 -1.42244869 -2.29030673 1.96023065 3.60839203
 2.57662982 -3.3292114 0.64330288 -2.88763302]
 Sample 3697: [0.53492993 1.01756151 0.23090765 3.41800838 5.42454014
 -2.31933534
 3.4307682 -1.34160753 -1.37605069 -2.29565632 2.00975879 3.61387789
 2.55213063 -3.30448249 0.57806351 -2.9400619]
 Sample 3698: [0.40822194 1.01100195 0.19076001 3.47416768 5.47729164
 -2.37194317
 3.43908083 -1.26026053 -1.47722109 -2.34867342 2.01683303 3.57644564
 2.52096332 -3.33092153 0.55494632 -2.86960193]
 Sample 3699: [0.42203638 1.05992426 0.28195721 3.56150446 5.4311625
 -2.46267342
 3.44889398 -1.20502634 -1.43518105 -2.33375984 1.99767325 3.54639722
 2.46797937 -3.36897091 0.50125426 -2.95650469]
 Sample 3700: [0.54497847 0.99455197 0.20380604 3.58345095 5.48154441
 -2.49914454
 3.44941966 -1.16266381 -1.43273962 -2.35850285 1.95119597 3.56507807
 2.52238916 -3.38889108 0.50181658 -2.96266036]
 Sample 3701: [0.58100648 0.96238767 0.19560113 3.62813418 5.51087698
 -2.49691795
 3.4519227 -1.18040138 -1.44696194 -2.39218903 1.93098205 3.49534151
 2.51744662 -3.38036818 0.52547855 -2.97476236]
 Sample 3702: [0.45462836 1.02209345 0.20523794 3.57022696 5.49785186
 -2.5484149
 3.42642252 -1.1808048 -1.43916168 -2.4190135 1.96321288 3.47503252
 2.50303588 -3.30873788 0.60991874 -3.00392639]

Sample 3703: [0.43576619 1.03829563 0.28498838 3.50817065 5.54227946
 -2.49164517
 3.36120173 -1.15406031 -1.51163647 -2.40565792 1.98319652 3.59932162
 2.565587 -3.26576062 0.56609399 -2.98727692]
 Sample 3704: [0.49252808 1.01349717 0.25400863 3.41480992 5.62447618
 -2.50772842
 3.4483365 -1.1749939 -1.5072408 -2.32285098 1.99008845 3.54943336
 2.4711655 -3.27361296 0.60817277 -2.93027755]
 Sample 3705: [0.45400813 1.0323577 0.24797625 3.42883393 5.56207632
 -2.54606992
 3.37019791 -1.19132908 -1.52663804 -2.37543648 1.99795329 3.48462031
 2.46294439 -3.27678638 0.57029606 -2.85913237]
 Sample 3706: [0.50303168 1.06147448 0.23285379 3.50658841 5.57520306
 -2.54427859
 3.41432792 -1.22239292 -1.54102174 -2.40489073 1.93449292 3.52424509
 2.47623124 -3.35191471 0.56823271 -2.87168417]
 Sample 3707: [0.51311272 0.97531873 0.21702728 3.5165501 5.58530899
 -2.51171688
 3.43746483 -1.176587 -1.49507449 -2.40736154 1.98228293 3.51181674
 2.45575515 -3.31921189 0.58081715 -2.86534049]
 Sample 3708: [0.51296467 1.02549906 0.18337273 3.6291498 5.48091205
 -2.57590184
 3.4417007 -1.20688534 -1.53384245 -2.42484605 1.95765489 3.4948
 2.40344134 -3.24015063 0.61462395 -2.82916306]
 Sample 3709: [0.48212642 0.98588957 0.18890666 3.5437993 5.48571615
 -2.59763791
 3.46055927 -1.13205479 -1.45752698 -2.49767971 1.87983186 3.54487879
 2.38598022 -3.19401654 0.55368899 -2.81670102]
 Sample 3710: [0.53562871 1.07274187 0.20408795 3.45134524 5.41275934
 -2.5698962
 3.52826836 -1.0729826 -1.4228443 -2.51787044 1.81870573 3.59047188
 2.31632692 -3.12687918 0.5632338 -2.81236048]
 Sample 3711: [0.46995426 1.04925851 0.2149822 3.49642308 5.48311286
 -2.61967405
 3.55996215 -1.06478361 -1.44677983 -2.54789676 1.61443289 3.6504514
 2.30591709 -3.13786555 0.52667009 -2.75923551]
 Sample 3712: [0.50248921 1.06536887 0.18904601 3.57913096 5.51790552
 -2.58025719
 3.49597133 -1.03534082 -1.46605283 -2.51732704 1.68372534 3.68211266
 2.32286316 -3.07826193 0.50893802 -2.79548441]
 Sample 3713: [0.48404402 1.0277072 0.21330624 3.54505629 5.51188242
 -2.6087574
 3.48849852 -1.07190551 -1.58405451 -2.49591764 1.65091565 3.54663051
 2.33922051 -3.17778561 0.58044952 -2.85214379]
 Sample 3714: [0.51815944 1.07674736 0.2027174 3.59907524 5.50212395
 -2.61759043
 3.57406353 -1.02687454 -1.59100121 -2.52440503 1.66485583 3.53098353
 2.26374138 -3.16952456 0.51120152 -2.83107452]

Sample 3715: [0.47364445 1.0602207 0.17305654 3.53395786 5.47436315
 -2.7391214
 3.5795707 -1.01385419 -1.52119535 -2.56025887 1.70695712 3.58011805
 2.31577051 -3.16195162 0.4759474 -2.80824402]
 Sample 3716: [0.51938599 0.99424659 0.2415233 3.5852694 5.48250698
 -2.74595853
 3.56577296 -1.00039248 -1.58540333 -2.5123852 1.82559877 3.58068831
 2.31757201 -3.14337371 0.54356389 -2.75712976]
 Sample 3717: [0.56182898 1.06830242 0.17752579 3.59666974 5.41700757
 -2.8377098
 3.55819974 -0.93511905 -1.49927732 -2.48709355 1.92281264 3.59697868
 2.28263233 -3.06724764 0.49210916 -2.77286817]
 Sample 3718: [0.56057261 1.09727589 0.14271365 3.54066076 5.4118387
 -2.91635724
 3.65118459 -0.90620445 -1.53146624 -2.414843 1.85213622 3.55447973
 2.26686294 -3.05638573 0.4416154 -2.824082]
 Sample 3719: [0.55057762 1.10289307 0.14773751 3.53060734 5.38087974
 -2.9400146
 3.60595837 -0.88849692 -1.48296091 -2.42377654 1.92213323 3.6248798
 2.27475993 -3.044707 0.47525382 -2.80493553]
 Sample 3720: [0.55908661 1.14496111 0.13494679 3.43615432 5.40285407
 -2.94415338
 3.62579748 -0.90297704 -1.5257076 -2.45591829 2.01175033 3.60751847
 2.26502188 -3.04502742 0.48197216 -2.8370673]
 Sample 3721: [0.51126176 1.15612027 0.19495104 3.43952013 5.38579134
 -2.93462464
 3.67138451 -0.84957069 -1.38689102 -2.42237185 1.97168649 3.66546832
 2.32648981 -3.10687033 0.42509706 -2.74530011]
 Sample 3722: [0.49398077 1.09447043 0.15422992 3.36563527 5.46476524
 -2.90790595
 3.75303392 -0.77349402 -1.34221821 -2.46406647 1.93653941 3.63589177
 2.36560384 -3.12387992 0.3790805 -2.7381953]
 Sample 3723: [0.51035699 1.14275324 0.1830679 3.30252663 5.60275214
 -2.82662771
 3.7932408 -0.7438074 -1.29802747 -2.4596259 1.99758985 3.56798222
 2.40360781 -3.12817391 0.33520542 -2.82852034]
 Sample 3724: [0.5625674 1.13984595 0.15686917 3.268105 5.60573134
 -2.78089527
 3.81281677 -0.70298132 -1.23029301 -2.46434068 1.98645096 3.63226386
 2.43222647 -3.20415745 0.3309819 -2.81804017]
 Sample 3725: [0.52063286 1.07942225 0.14331985 3.29484276 5.61383735
 -2.67457671
 3.74368532 -0.70588482 -1.30911359 -2.47982707 1.9786547 3.61056106
 2.34913149 -3.23635546 0.32022683 -2.89094856]
 Sample 3726: [0.48331558 1.18330381 0.13087293 3.30229325 5.64540527
 -2.64845047
 3.76885672 -0.70636169 -1.24264245 -2.47258133 2.05036539 3.61700256
 2.31893116 -3.25470885 0.42413306 -2.91740721]

Sample 3727: [0.50798303 1.13835513 0.11223953 3.37389484 5.59024579
 -2.62972215
 3.78824674 -0.6526569 -1.21632423 -2.50024315 2.02148582 3.73199678
 2.26581702 -3.30506502 0.41381842 -2.91719872]
 Sample 3728: [0.51938008 1.16257481 0.15125661 3.37747982 5.58802714
 -2.67414324
 3.80896431 -0.6890774 -1.21432118 -2.51349665 2.02170226 3.69533414
 2.17627163 -3.30290312 0.36067892 -2.90431501]
 Sample 3729: [0.53605275 1.16234178 0.13246049 3.44607834 5.635031
 -2.66738245
 3.8167233 -0.6811336 -1.23933483 -2.52617482 2.0847985 3.63339546
 2.20334543 -3.38646828 0.39143764 -2.89974548]
 Sample 3730: [0.50081553 1.16051865 0.12724383 3.46741175 5.66385107
 -2.57185451
 3.80707145 -0.59428095 -1.24382449 -2.53063164 2.15175305 3.61652206
 2.15629986 -3.37062874 0.4396827 -2.86439318]
 Sample 3731: [0.43813402 1.1983005 0.12295845 3.46652251 5.68523398
 -2.53651476
 3.87547004 -0.67726016 -1.30548602 -2.50005475 2.18286105 3.60439262
 2.19440797 -3.36537537 0.39993236 -2.85892996]
 Sample 3732: [0.50196984 1.1239826 0.16836647 3.5344687 5.64779419
 -2.57532459
 3.88581982 -0.6135831 -1.38049328 -2.47737573 2.2069281 3.66240273
 2.22249063 -3.39827494 0.37466051 -2.81925216]
 Sample 3733: [0.42430094 1.24198157 0.15386017 3.43776603 5.68153505
 -2.58146841
 4.00397827 -0.56691673 -1.39771717 -2.50932383 2.26098713 3.69720801
 2.16391445 -3.37368103 0.44795735 -2.87439432]
 Sample 3734: [0.51275577 1.1740516 0.13645615 3.41367494 5.68292726
 -2.54322722
 3.99073534 -0.51518067 -1.41828325 -2.57530995 2.33486563 3.65670191
 2.21445975 -3.37192349 0.45108733 -3.01244237]
 Sample 3735: [0.45863451 1.26236769 0.14187298 3.38215939 5.67824473
 -2.52318605
 4.06103563 -0.42908024 -1.38291969 -2.57261668 2.38882574 3.64155611
 2.22134719 -3.41525104 0.53692738 -3.01970266]
 Sample 3736: [0.47173941 1.2163336 0.13235832 3.45444857 5.70121232
 -2.57730393
 4.08551493 -0.43596314 -1.35829378 -2.59865134 2.44503115 3.74144172
 2.30207248 -3.38883017 0.49484691 -3.06846977]
 Sample 3737: [0.48447789 1.2801574 0.12004224 3.38009451 5.70843121
 -2.60627141
 4.05174018 -0.52262789 -1.47161926 -2.69236231 2.42528919 3.77653485
 2.31464661 -3.34475076 0.54569216 -3.1398262]
 Sample 3738: [0.48433528 1.19187212 0.10863354 3.418853 5.68466864
 -2.49262217
 4.0387988 -0.50646511 -1.4622857 -2.62176396 2.51351741 3.72006086
 2.38068822 -3.31797487 0.52288544 -3.10698791]

Sample 3739: [0.50536422 1.19910206 0.17351639 3.44837758 5.63216408
 -2.54644346
 4.08530068 -0.45027693 -1.49052585 -2.68297808 2.49656443 3.8122569
 2.40622888 -3.20991651 0.43623169 -3.19287592]
 Sample 3740: [0.46241505 1.15958336 0.10703859 3.44448306 5.60891987
 -2.54491186
 4.00470317 -0.49441476 -1.52931032 -2.71039696 2.4803099 3.8350166
 2.30475225 -3.21464442 0.40694116 -3.24155419]
 Sample 3741: [0.42751319 1.20437874 0.13393796 3.44410004 5.68983051
 -2.51040828
 3.96378034 -0.52504157 -1.57081294 -2.75123102 2.50026067 3.8910184
 2.30069091 -3.25672718 0.33910463 -3.28187597]
 Sample 3742: [0.5020762 1.23014173 0.08907869 3.41115525 5.6633155
 -2.55845793
 3.94549426 -0.53179359 -1.54676963 -2.79462211 2.48145289 3.84074986
 2.34824443 -3.18918334 0.33148667 -3.2868973]
 Sample 3743: [0.46945885 1.11629501 0.1515954 3.34582817 5.65053643
 -2.45905392
 3.9298937 -0.53420641 -1.61292369 -2.85734058 2.44661419 3.77697669
 2.38456655 -3.20307052 0.30185753 -3.23245537]
 Sample 3744: [0.44431014 1.17251902 0.17822931 3.34368292 5.63036001
 -2.55509898
 3.94660405 -0.61407355 -1.61219059 -2.952452 2.46849388 3.77373919
 2.43468755 -3.11783082 0.39594235 -3.09645565]
 Sample 3745: [0.5083141 1.17957113 0.11550305 3.26681659 5.69681791
 -2.61478506
 3.90499497 -0.62993295 -1.56123823 -2.88054831 2.47844996 3.86836076
 2.43074656 -3.01727588 0.45199557 -3.12158571]
 Sample 3746: [0.51750734 1.20985374 0.09781502 3.25416433 5.66081348
 -2.65700556
 3.87355179 -0.51422841 -1.64820518 -2.87842875 2.45522986 3.8432514
 2.38237482 -3.03872292 0.40741911 -3.16068209]
 Sample 3747: [0.56528715 1.23059192 0.11843542 3.25058668 5.63962246
 -2.73915585
 3.90190733 -0.51130935 -1.56850362 -2.95056876 2.44706215 3.88065457
 2.39654441 -3.08402171 0.47467973 -3.1025302]
 Sample 3748: [0.57522476 1.24021369 0.08870958 3.32906336 5.63230773
 -2.82193
 3.90625936 -0.48453057 -1.4365176 -2.90710473 2.41410513 3.8451113
 2.34000633 -3.1508609 0.47921353 -3.16719397]
 Sample 3749: [0.49274907 1.20105399 0.13921431 3.28752204 5.65529405
 -2.8996694
 3.94726376 -0.461756 -1.41401747 -2.94185446 2.39114238 3.96148745
 2.17375369 -3.15342166 0.45397139 -3.1147216]
 Sample 3750: [0.62671192 1.14599297 0.13219036 3.21661231 5.73560029
 -2.91962759
 3.98501815 -0.44204659 -1.42277478 -3.00003603 2.39267503 3.88535709
 2.20023136 -3.11866963 0.33972858 -3.05712849]

Sample 3751: [0.49484449 1.22721736 0.13417341 3.17316454 5.81876226
 -2.86587712
 3.97695681 -0.49231815 -1.41107861 -3.09868015 2.32681673 3.84628434
 2.24001971 -3.15749999 0.26935047 -3.08736189]
 Sample 3752: [0.5526565 1.17745019 0.13539629 3.15697304 5.8602692
 -2.88613766
 4.05214676 -0.49399536 -1.39554859 -3.04988499 2.28757867 3.81949541
 2.25936293 -3.09807974 0.310598 -3.08683771]
 Sample 3753: [0.54234609 1.17773615 0.15871341 3.20211898 5.96722628
 -2.84996415
 4.04123885 -0.53522092 -1.32085126 -3.10896233 2.2950368 3.83824185
 2.26244098 -3.07555722 0.35932609 -3.06365743]
 Sample 3754: [0.54544385 1.22607078 0.07985364 3.17602802 5.89343448
 -2.77092314
 3.97926606 -0.583425 -1.33925594 -3.08091886 2.26518265 3.8969316
 2.23187979 -3.05107162 0.3100373 -3.14799465]
 Sample 3755: [0.53103232 1.16038305 0.15992514 3.08487765 5.89020243
 -2.80636734
 4.00158313 -0.50558727 -1.43400427 -3.1197628 2.24242533 3.90709055
 2.22304651 -3.02300772 0.21278426 -3.19758224]
 Sample 3756: [0.51115023 1.26998164 0.07020344 3.07332262 5.94116406
 -2.7742156
 3.93447691 -0.51943039 -1.47502315 -3.07885379 2.26493458 3.85403495
 2.16919614 -3.05065135 0.19980442 -3.0978601]
 Sample 3757: [0.51974907 1.22006275 0.14854306 2.98335669 5.93864904
 -2.73860087
 3.97900324 -0.56039014 -1.43207185 -3.12382257 2.20893648 3.91723047
 2.10069902 -3.06890089 0.23623059 -3.02623648]
 Sample 3758: [0.48223794 1.21597735 0.08385577 2.91048959 5.99778757
 -2.74681876
 3.96602181 -0.57483335 -1.50945087 -2.97517008 2.17067483 3.85145667
 2.09155134 -3.11742779 0.31182048 -3.00352626]
 Sample 3759: [0.5560557 1.22739406 0.15174501 2.90212161 5.95891711
 -2.79153465
 3.98509956 -0.60877224 -1.48207118 -3.04840776 2.13353658 3.90357112
 2.26302013 -3.13832005 0.29194413 -2.97848034]
 Sample 3760: [0.44949835 1.1803424 0.12901766 2.85350267 5.88814546
 -2.78745912
 3.93553888 -0.63036012 -1.47104098 -3.0007665 2.10214624 3.9545607
 2.31073889 -3.15250903 0.27001437 -2.93138506]
 Sample 3761: [0.59067419 1.2081383 0.16028787 2.91561419 6.01243246
 -2.79017107
 3.90436517 -0.65692204 -1.43993139 -2.96766733 2.06299056 4.02547196
 2.25215776 -3.10545606 0.25783425 -2.96463255]
 Sample 3762: [0.47361924 1.22751065 0.08013048 2.94271113 5.94732765
 -2.73021884
 3.94049369 -0.63140384 -1.39129314 -2.89249768 2.02200439 3.95214578
 2.19588846 -2.98281834 0.27287016 -2.84895202]

Sample 3763: [0.57762073 1.23130979 0.15517517 2.99248477 5.97179202
 -2.72987945
 3.9659017 -0.68652245 -1.3866677 -2.8101101 2.0190094 3.96568181
 2.16367239 -3.03778039 0.2855474 -2.75286322]
 Sample 3764: [0.50326702 1.25471581 0.10217724 2.92067923 6.02512371
 -2.68830515
 3.89774837 -0.69337973 -1.4242071 -2.84333413 2.05082746 4.03714719
 2.124268 -3.12966328 0.24213622 -2.81040966]
 Sample 3765: [0.54025131 1.16703041 0.13649443 2.89576992 5.99219335
 -2.69242599
 3.94231973 -0.73681177 -1.4672347 -2.81308763 2.09552983 3.92247889
 2.09414642 -3.1834378 0.27336129 -2.71212863]
 Sample 3766: [0.48477061 1.13839941 0.20201233 2.94194131 6.02162165
 -2.67444028
 3.8800154 -0.78169866 -1.50649513 -2.86543484 2.12010354 3.83474697
 2.13389691 -3.15237984 0.31334669 -2.67193336]
 Sample 3767: [0.54761364 1.15202916 0.15785458 2.93319305 5.989061
 -2.67747758
 3.8520267 -0.81434688 -1.43832141 -2.87000719 2.08195187 3.84407226
 2.13743373 -3.16472526 0.40377667 -2.7166198]
 Sample 3768: [0.51455711 1.14513208 0.13824798 2.89076512 5.92768368
 -2.6913006
 3.88825195 -0.9235066 -1.47571775 -2.83099211 2.15761287 3.88344832
 2.14747225 -3.22948178 0.46274417 -2.73787857]
 Sample 3769: [0.47465164 1.10199464 0.18635411 2.8408789 5.89540524
 -2.69971232
 3.75225847 -1.02135761 -1.46417302 -2.76483705 2.15384536 3.8798101
 2.2327592 -3.30575225 0.49733317 -2.71435318]
 Sample 3770: [0.48297998 1.08710057 0.15297614 2.89892648 5.84237029
 -2.63729516
 3.63080005 -0.98469368 -1.48834559 -2.72506996 2.22409248 3.81648776
 2.23470618 -3.27475135 0.45367163 -2.64511386]
 Sample 3771: [0.49531071 1.1243105 0.18138494 2.96240412 5.79904644
 -2.62583864
 3.56997947 -0.99862696 -1.45009926 -2.74529794 2.26925813 3.83253518
 2.30042909 -3.33404229 0.39739679 -2.69799883]
 Sample 3772: [0.56726029 1.07494228 0.15037109 2.97602227 5.82408772
 -2.61056959
 3.62629358 -1.00047964 -1.45905473 -2.82017149 2.22267368 3.85204584
 2.28452945 -3.35167602 0.41056136 -2.69172008]
 Sample 3773: [0.52815347 1.09002676 0.16924226 2.97312682 5.82508651
 -2.6694728
 3.7452233 -0.97991728 -1.39640536 -2.79386005 2.12545504 3.82976705
 2.24915499 -3.32292797 0.38784979 -2.7078621]
 Sample 3774: [0.43417173 1.10297836 0.19212947 3.06919432 5.80338662
 -2.5940236
 3.73872516 -1.00522074 -1.37748898 -2.785769 2.09331523 3.8605049
 2.23311737 -3.34553435 0.34021476 -2.68268479]

Sample 3775: [0.49024458 1.10739101 0.28070667 3.11477624 5.75375829
 -2.55419727
 3.73007566 -1.01881709 -1.42888113 -2.767045 2.12461705 3.83639841
 2.22982076 -3.2989561 0.2794631 -2.72320675]
 Sample 3776: [0.42435714 1.0743272 0.20142051 3.04638982 5.85353632
 -2.55466133
 3.78206533 -0.96580965 -1.49171007 -2.68036598 2.08866669 3.80575286
 2.24613137 -3.3110013 0.32642383 -2.68171047]
 Sample 3777: [0.42493468 1.14636845 0.20016921 2.97994614 5.80386339
 -2.54780268
 3.74242972 -1.0244531 -1.43961534 -2.71803178 2.05666963 3.80089884
 2.27883575 -3.27446131 0.25612765 -2.6983044]
 Sample 3778: [0.44651945 1.14364901 0.19483325 2.96958124 5.79161597
 -2.521608
 3.76723874 -0.95059899 -1.42195635 -2.66394691 2.06523717 3.79899212
 2.1948359 -3.23870435 0.3322518 -2.69296537]
 Sample 3779: [0.51134133 1.04912317 0.206166 2.9974708 5.89181848
 -2.56102301
 3.76967619 -0.98458126 -1.42201828 -2.71237056 2.05220354 3.9363034
 2.21198779 -3.19782978 0.2803831 -2.64507782]
 Sample 3780: [0.41712446 1.17667638 0.13978958 2.9920675 5.94969868
 -2.51384382
 3.82162668 -0.97086923 -1.49630933 -2.73388608 2.07366423 3.95196151
 2.26954039 -3.18694192 0.30630749 -2.67370176]
 Sample 3781: [0.47544091 1.16382485 0.16910235 3.01523037 5.97081065
 -2.44282791
 3.88909208 -0.91657023 -1.46296996 -2.81166382 2.03185393 3.92129386
 2.26026726 -3.15236672 0.24914287 -2.66190471]
 Sample 3782: [0.47560259 1.19074197 0.16680845 2.97764347 5.9077566
 -2.36960639
 3.84399761 -0.98786175 -1.44537145 -2.73045459 2.03260918 3.94999277
 2.32368244 -3.17955945 0.22628538 -2.63963805]
 Sample 3783: [0.44492393 1.11531739 0.1704066 3.03052755 5.82229194
 -2.43296376
 3.74968552 -0.98386543 -1.4721427 -2.63879754 1.99185594 3.97842824
 2.42375973 -3.11564694 0.23534441 -2.63390462]
 Sample 3784: [0.48508841 1.0857427 0.10393365 2.89022866 5.84026061
 -2.43771276
 3.70118137 -0.97101081 -1.3944733 -2.66100536 2.02479689 4.03193458
 2.45427041 -3.13635277 0.24600379 -2.67456533]
 Sample 3785: [0.43628357 1.14971749 0.17112287 2.87768905 5.73221326
 -2.4002688
 3.72237706 -0.97929206 -1.346095 -2.71461164 2.0143718 4.00331241
 2.46090264 -3.08409001 0.25570139 -2.70348091]
 Sample 3786: [0.45901582 1.13062217 0.2224865 2.88445166 5.78126002
 -2.45148462
 3.74437527 -0.96436076 -1.41517786 -2.65780583 2.04890267 3.98894931
 2.48675552 -3.01449337 0.19428584 -2.64555654]

Sample 3787: [0.43103034 1.1427244 0.16328853 2.8856978 5.76065845
 -2.42079252
 3.80564042 -0.86723059 -1.46726728 -2.57876724 2.07764343 3.99178607
 2.45192587 -3.00486003 0.16274941 -2.6538769]
 Sample 3788: [0.36365672 1.17528399 0.24347551 2.85514313 5.76835566
 -2.38085918
 3.91906116 -0.87828581 -1.3148311 -2.57448222 2.10691459 4.03225602
 2.47078086 -3.02485531 0.21077361 -2.58305292]
 Sample 3789: [0.42166563 1.14828023 0.23997104 2.86046672 5.84722207
 -2.38457387
 3.84808333 -0.89702511 -1.27986819 -2.58828885 2.14222403 4.04404668
 2.41163719 -3.03299702 0.34383652 -2.57304772]
 Sample 3790: [0.37995948 1.17136137 0.18763519 2.77691135 5.79998446
 -2.38217233
 3.80686949 -0.77440174 -1.1976069 -2.61668648 2.1425856 4.04093767
 2.40062486 -2.98309218 0.35808854 -2.62068059]
 Sample 3791: [0.40838831 1.22149346 0.0937274 2.75784063 5.87129609
 -2.42545964
 3.8349938 -0.77346835 -1.12201412 -2.69620291 2.10327518 4.04452951
 2.39565354 -3.00053845 0.40017779 -2.60689139]
 Sample 3792: [0.41965778 1.2310038 0.13720487 2.72739871 5.87019437
 -2.50554154
 3.84815627 -0.85418883 -1.13765475 -2.69052442 2.15366761 4.00490908
 2.34266837 -3.10070807 0.45741269 -2.62627193]
 Sample 3793: [0.40961901 1.25251097 0.17906851 2.70352172 5.8577187
 -2.55563232
 3.85403346 -0.86781631 -1.06377714 -2.70392185 2.0223466 4.01236845
 2.21571663 -3.08787514 0.50030784 -2.62566384]
 Sample 3794: [0.39598981 1.28351689 0.13038668 2.63501723 5.86597456
 -2.54307048
 3.88549395 -0.77851306 -1.02490049 -2.72677494 2.01668784 4.084257
 2.20009127 -3.09191836 0.550752 -2.56100744]
 Sample 3795: [0.47489539 1.23589549 0.22103282 2.66064763 5.85558185
 -2.46357488
 3.90617543 -0.83709341 -0.94895858 -2.65954772 1.88447996 4.10593566
 2.10855282 -3.05573266 0.63097406 -2.67537109]
 Sample 3796: [0.48624341 1.25818987 0.11975958 2.65626994 5.86948854
 -2.51075885
 3.95321172 -0.81341557 -0.92460584 -2.69580353 1.89155469 4.12631431
 2.05557881 -2.97816002 0.62418037 -2.62522466]
 Sample 3797: [0.49497187 1.22635665 0.16023233 2.63731769 5.90531491
 -2.56708693
 4.0362584 -0.82869275 -0.96077314 -2.62767542 1.90177639 4.23332255
 2.09055681 -2.97544208 0.59396408 -2.59113236]
 Sample 3798: [0.49088551 1.19580805 0.15329005 2.64528101 5.97483707
 -2.63109391
 4.05701694 -0.78654394 -0.9504277 -2.59621871 1.92291329 4.28718929
 2.08137744 -3.01437896 0.521383 -2.54275644]

Sample 3799: [0.54729778 1.24072448 0.15568615 2.62888986 5.95362768
 -2.65040339
 4.07306685 -0.83363092 -1.02085379 -2.72899328 1.90547152 4.28847418
 2.1120257 -2.97790576 0.52962986 -2.4781707]
 Sample 3800: [0.45535847 1.23094341 0.14571719 2.66148771 5.97224402
 -2.64774024
 4.09839595 -0.89315572 -1.02332104 -2.67449777 1.9809266 4.33412935
 2.09097482 -2.96973802 0.58552936 -2.40767303]
 Sample 3801: [0.49189679 1.27654212 0.16396747 2.71492625 5.89115858
 -2.68266088
 4.15421223 -0.90733625 -1.03962539 -2.77335421 2.04119807 4.35023551
 2.10823986 -2.95979517 0.49031884 -2.36957613]
 Sample 3802: [0.41058974 1.22963474 0.17348238 2.77886887 5.91437344
 -2.65045604
 4.07079434 -0.94195237 -0.92923314 -2.71625545 2.00202413 4.40018425
 2.00538824 -2.97586311 0.52233469 -2.34882662]
 Sample 3803: [0.5477174 1.25421225 0.1407901 2.66817543 5.94150757
 -2.54596127
 4.00314514 -0.92582331 -0.90821396 -2.71622618 1.94417072 4.38244572
 2.00558479 -2.96735429 0.47713529 -2.29083617]
 Sample 3804: [0.50944999 1.28770635 0.14013772 2.65689575 5.95012306
 -2.6166923
 3.95892397 -0.90348643 -0.88260179 -2.67171291 1.99431001 4.34114017
 1.93533345 -3.02498849 0.41081635 -2.3234063]
 Sample 3805: [0.50942071 1.21534879 0.10431435 2.61072716 5.99511288
 -2.48700606
 3.87221115 -0.9164284 -0.89208842 -2.66154827 1.94204486 4.36718924
 1.85237124 -3.01191321 0.45870307 -2.30016966]
 Sample 3806: [0.51088453 1.21395554 0.16943454 2.63184472 5.93745709
 -2.53932699
 3.79856934 -0.86426836 -0.86961087 -2.62941197 1.92994451 4.30199357
 1.8489312 -2.97325378 0.47593353 -2.29882278]
 Sample 3807: [0.4406044 1.23389646 0.16220206 2.59563722 5.90110027
 -2.59507074
 3.81390963 -0.90736402 -0.8595301 -2.58597381 1.89586903 4.26176665
 1.87787486 -3.02633146 0.5125954 -2.33539044]
 Sample 3808: [0.50104597 1.19664073 0.12186908 2.5521194 5.84257754
 -2.50481031
 3.84980186 -0.91554104 -0.82973686 -2.65522436 1.84255717 4.17686585
 1.95174396 -2.99319723 0.56587794 -2.26371622]
 Sample 3809: [0.45536715 1.20094788 0.14364224 2.57485761 5.79362697
 -2.46414922
 3.75814098 -0.92769224 -0.86142619 -2.62007691 1.9590078 4.12379203
 2.05194102 -3.02869536 0.54018917 -2.37428598]
 Sample 3810: [0.43136733 1.16275297 0.12256203 2.55287774 5.78464544
 -2.47042043
 3.66762086 -0.99261556 -0.90418345 -2.6949772 1.93256132 4.02172576
 2.01214439 -3.0296697 0.58601779 -2.34450229]

Sample 3811: [0.44144588 1.11106805 0.1713217 2.51017049 5.78372946
 -2.43229108
 3.65814796 -1.03746606 -0.85491102 -2.60416788 1.87852145 4.03578079
 2.12204556 -3.03741625 0.57833608 -2.33773925]
 Sample 3812: [0.52718958 1.16203406 0.20034803 2.51181788 5.78693584
 -2.48975833
 3.68365558 -1.07931865 -0.87326788 -2.5791701 1.89146103 4.0078169
 2.19964951 -3.02160061 0.59216337 -2.35018376]
 Sample 3813: [0.48770872 1.14061944 0.26182738 2.56972101 5.80919451
 -2.48520851
 3.75233964 -1.12447305 -0.85548391 -2.58900048 1.86091948 4.02660351
 2.13556088 -3.06542891 0.54716267 -2.34269516]
 Sample 3814: [0.47879039 1.10891952 0.17064774 2.60704924 5.83634626
 -2.51329422
 3.74360018 -1.13541403 -0.83384331 -2.44985661 1.88869521 3.98864896
 2.0738283 -3.02772926 0.58226605 -2.31777738]
 Sample 3815: [0.45526149 1.18008523 0.11607139 2.5736565 5.89649782
 -2.41110633
 3.74746726 -1.04627717 -0.84922111 -2.48307828 2.00433673 4.04016114
 2.01980107 -2.98232609 0.47921938 -2.31852287]
 Sample 3816: [0.49697214 1.15769438 0.14121361 2.61595196 5.79161202
 -2.32341065
 3.73969035 -1.01278913 -0.8257994 -2.42955225 1.98523547 4.01642729
 2.01627212 -2.877994 0.52190748 -2.33329203]
 Sample 3817: [0.45172209 1.20385011 0.19034937 2.59368416 5.65259181
 -2.35190582
 3.67683327 -0.96182654 -0.80350623 -2.42252826 1.95278263 4.05560378
 1.96307535 -2.80368161 0.59681352 -2.36445119]
 Sample 3818: [0.38567242 1.09346126 0.17249746 2.54815045 5.68652155
 -2.3523538
 3.74857648 -0.95090145 -0.79198516 -2.41872431 1.91031666 3.97917194
 1.98687439 -2.86671426 0.56185157 -2.35150308]
 Sample 3819: [0.47801571 1.17041992 0.16044051 2.63736384 5.73546647
 -2.34421827
 3.78592196 -0.95357642 -0.78869768 -2.39478391 1.97123194 3.97753208
 2.05309578 -2.85514867 0.63766473 -2.31850894]
 Sample 3820: [0.3761557 1.18627873 0.20778266 2.59733943 5.74687203
 -2.36135631
 3.78443159 -0.86155988 -0.76916246 -2.3282098 1.97555697 3.98038634
 2.09909779 -2.90998201 0.62601344 -2.39529253]
 Sample 3821: [0.37539832 1.17224606 0.20137451 2.60240434 5.7686711
 -2.29028339
 3.90339851 -0.75344778 -0.79981677 -2.33636727 2.03117851 4.04725862
 2.0768676 -2.8177834 0.62502999 -2.33170975]
 Sample 3822: [0.41114007 1.17021856 0.20235687 2.6244681 5.75723861
 -2.35533382
 3.89010763 -0.7229103 -0.77725336 -2.31183115 1.94044196 4.04442475
 1.99403975 -2.87373569 0.59171084 -2.26930128]

Sample 3823: [0.43560343 1.19701922 0.20489127 2.76061835 5.83226019
 -2.34715567
 3.89435075 -0.78682345 -0.71421123 -2.38138184 1.93362411 4.05946192
 1.95074318 -2.85645289 0.62899425 -2.2965973]
 Sample 3824: [0.43845828 1.18684875 0.19165931 2.7666703 5.82230145
 -2.38668692
 3.9367611 -0.8094885 -0.68624385 -2.37727089 2.02176005 4.01872467
 1.92256178 -2.76947001 0.52181593 -2.29462746]
 Sample 3825: [0.44649366 1.17158555 0.20806185 2.87629329 5.83260755
 -2.40733678
 3.92121879 -0.82151889 -0.70914698 -2.34047974 1.91577012 4.05220476
 1.95824552 -2.76170836 0.50946874 -2.38007492]
 Sample 3826: [0.46503685 1.26090151 0.16439572 2.82459481 5.76547526
 -2.42201462
 3.90826488 -0.89229164 -0.8087927 -2.32122543 1.89006798 4.13634065
 2.05535886 -2.81798404 0.44384772 -2.42108684]
 Sample 3827: [0.43871912 1.24071264 0.13446489 2.84451239 5.691863
 -2.45582586
 3.93520445 -0.93736411 -0.82419202 -2.34729856 1.88538292 4.28579457
 2.0474131 -2.74284803 0.46925465 -2.46747232]
 Sample 3828: [0.38913501 1.19774418 0.19932431 2.79176559 5.70495249
 -2.49274543
 4.02260589 -0.97287038 -0.86373439 -2.36219107 1.84188613 4.22501146
 2.1372553 -2.74646036 0.57490141 -2.47239422]
 Sample 3829: [0.45623353 1.1980887 0.1432957 2.71893461 5.68852793
 -2.52770198
 4.01859329 -0.91969902 -0.87459617 -2.47238659 1.88191326 4.2980829
 2.21442418 -2.75042248 0.58520732 -2.48889887]
 Sample 3830: [0.49680991 1.24389706 0.15569481 2.70817514 5.72571855
 -2.5784738
 4.09362447 -0.90250315 -0.82141466 -2.49722165 1.82970514 4.27773326
 2.24032256 -2.65533029 0.61970062 -2.49462297]
 Sample 3831: [0.49705259 1.21899957 0.15330155 2.73811191 5.84035261
 -2.58687117
 4.14817831 -0.95008461 -0.84963985 -2.47342139 1.7925736 4.41401418
 2.26585065 -2.62127178 0.65280825 -2.53449221]
 Sample 3832: [0.4632765 1.24330502 0.2349527 2.68317696 5.84277542
 -2.62864894
 4.20984567 -0.95748877 -0.82954001 -2.53626163 1.8220371 4.45765987
 2.34099818 -2.66022045 0.65079275 -2.56221164]
 Sample 3833: [0.46477739 1.24436567 0.22089693 2.78766257 5.86940036
 -2.65896546
 4.15321503 -0.97431725 -0.84299459 -2.61379947 1.82245558 4.41192361
 2.4506461 -2.67322972 0.66298579 -2.61158084]
 Sample 3834: [0.49194905 1.22471287 0.19684237 2.68462449 5.87211677
 -2.69304237
 4.19621849 -0.99633913 -0.82662434 -2.57219421 1.78995279 4.45983416
 2.45693523 -2.70984041 0.64450604 -2.65629203]

Sample 3835: [0.4783501 1.23544393 0.26255164 2.78401402 5.88070484
 -2.634018
 4.21660641 -1.05575277 -0.81751081 -2.60129412 1.74332278 4.47188609
 2.50232648 -2.65575297 0.59397051 -2.70387768]
 Sample 3836: [0.4473126 1.2824432 0.24540146 2.84068962 5.90020362
 -2.6234478
 4.28546424 -1.11809154 -0.83777735 -2.59787972 1.81060509 4.46877188
 2.58122853 -2.71536065 0.58335733 -2.72855937]
 Sample 3837: [0.4558962 1.28259118 0.2858239 2.84423366 5.9101565
 -2.62993867
 4.36412296 -1.1727534 -0.85571996 -2.52589717 1.90023817 4.50619414
 2.57995227 -2.681891 0.60006121 -2.64335098]
 Sample 3838: [0.45590138 1.27780658 0.21960532 2.88080451 5.90150704
 -2.59201144
 4.3187789 -1.21656637 -0.93975382 -2.50336413 1.97648859 4.52504663
 2.65918414 -2.64126321 0.58686623 -2.53145175]
 Sample 3839: [0.42316172 1.28845114 0.15527085 2.82060666 5.88857714
 -2.63948377
 4.40147238 -1.30271322 -0.8933678 -2.4659776 1.99272514 4.49211179
 2.65006199 -2.68908553 0.59819706 -2.45349682]
 Sample 3840: [0.4923578 1.30014363 0.21762982 2.885669 5.88061445
 -2.65107826
 4.34447572 -1.34022373 -0.84861677 -2.4409547 2.05511724 4.52322864
 2.60983991 -2.65047751 0.61357289 -2.48042432]
 Sample 3841: [0.55526983 1.30229183 0.13660463 2.89769569 5.94284217
 -2.66277108
 4.34816126 -1.38282133 -0.73478207 -2.37716732 2.07528678 4.50782925
 2.5833628 -2.63788931 0.62290042 -2.43753052]
 Sample 3842: [0.50292079 1.3061625 0.23530712 2.85028674 5.9316126
 -2.67320821
 4.37177575 -1.45047193 -0.65697567 -2.38808454 2.09503435 4.46632501
 2.56244356 -2.60235331 0.65720485 -2.47855364]
 Sample 3843: [0.53234016 1.29264444 0.1882533 2.9077501 5.88500504
 -2.70535944
 4.45254322 -1.43224297 -0.6758327 -2.36455524 1.94745986 4.47132252
 2.55118736 -2.70510919 0.64544171 -2.51183732]
 Sample 3844: [0.56232026 1.36336216 0.19445637 2.86077475 5.91135003
 -2.6602804
 4.40195565 -1.42186935 -0.69745431 -2.4228078 2.00141942 4.43624927
 2.59967495 -2.696488 0.67816799 -2.52659616]
 Sample 3845: [0.56237587 1.34566382 0.21205077 2.86536376 5.8254805
 -2.70341535
 4.35094518 -1.40255439 -0.61745384 -2.39790862 1.98680656 4.36960604
 2.64626213 -2.66986337 0.68263334 -2.53744036]
 Sample 3846: [0.53703296 1.30792918 0.16667686 2.97108674 5.84049007
 -2.76094794
 4.25342854 -1.42009341 -0.56333487 -2.44279562 2.00238539 4.35325612
 2.66188058 -2.72757656 0.68472262 -2.6338507]

Sample 3847: [0.57730912 1.25503202 0.2279585 2.95670792 5.82141282
 -2.80154945
 4.21344925 -1.42390355 -0.56929538 -2.39399317 1.98536256 4.33186644
 2.70077661 -2.71840433 0.6949311 -2.65088011]
 Sample 3848: [0.5708117 1.26515459 0.22800742 2.9474595 5.87603817
 -2.76999837
 4.24844253 -1.46536156 -0.58369753 -2.36728432 2.03843623 4.27829771
 2.63680119 -2.76527718 0.72106179 -2.56343013]
 Sample 3849: [0.53162139 1.25470928 0.17342146 2.95926862 5.96950614
 -2.78240019
 4.27129207 -1.4495279 -0.58683922 -2.3509811 2.16570572 4.32266374
 2.60431151 -2.80376132 0.63388979 -2.56701878]
 Sample 3850: [0.53881065 1.25035721 0.21173238 2.95832445 6.02202398
 -2.73783981
 4.27592606 -1.44506735 -0.57385769 -2.45205561 2.1352502 4.33035935
 2.68667627 -2.74492931 0.59027373 -2.61880813]
 Sample 3851: [0.52434795 1.27255541 0.18687723 2.892888 6.06926465
 -2.74343782
 4.24042866 -1.42347342 -0.60563782 -2.51815232 2.06031316 4.29510674
 2.73941646 -2.73426964 0.55885865 -2.72299337]
 Sample 3852: [0.58721887 1.23040015 0.18645734 2.93847144 6.13825773
 -2.82794907
 4.3205334 -1.32063313 -0.64499002 -2.46958803 2.15002971 4.34519255
 2.72080129 -2.74775009 0.6104466 -2.86142898]
 Sample 3853: [0.56902869 1.25594666 0.26992284 2.88143469 6.04900872
 -2.81994371
 4.34027917 -1.37105708 -0.58757348 -2.50734785 2.08924547 4.26264019
 2.67098938 -2.76531672 0.66352796 -2.91316932]
 Sample 3854: [0.55336721 1.20151774 0.18618455 2.79803009 6.12577218
 -2.86186689
 4.26717312 -1.44679649 -0.62044386 -2.5341858 2.12667887 4.27104753
 2.71464056 -2.78346742 0.59074629 -2.9022738]
 Sample 3855: [0.54609931 1.21400096 0.24149489 2.7664141 6.05937179
 -2.87891452
 4.21771703 -1.44403711 -0.62292723 -2.49590121 2.15162873 4.2270888
 2.71422547 -2.7651342 0.6257665 -2.75213092]
 Sample 3856: [0.59123794 1.20762397 0.18021309 2.82868375 6.00427704
 -2.84489277
 4.20645217 -1.44285539 -0.5321859 -2.44550714 2.12486466 4.25189172
 2.79813756 -2.81545332 0.57294746 -2.83498571]
 Sample 3857: [0.56107448 1.2133437 0.21811994 2.91704944 5.98211713
 -2.87028138
 4.17702644 -1.4625622 -0.51116488 -2.33093954 2.14906281 4.27039482
 2.87885575 -2.89647637 0.59131394 -2.83831868]
 Sample 3858: [0.56862606 1.19261861 0.19311863 2.8126604 6.0206414
 -2.83954069
 4.18110651 -1.49592128 -0.52951121 -2.38176734 2.08471308 4.35575952
 2.87475863 -2.81938981 0.61194376 -2.92923794]

Sample 3859: [0.58392383 1.18554788 0.2756393 2.81070252 6.05549893
 -2.86160143
 4.24456595 -1.51049922 -0.52019794 -2.37885674 2.07468357 4.3465533
 2.85463402 -2.86510177 0.59545081 -3.07275675]
 Sample 3860: [0.49249643 1.18841832 0.30384364 2.89456567 6.05896084
 -2.82464643
 4.20091582 -1.50228981 -0.43234828 -2.3328959 2.06184202 4.40249268
 2.77823121 -2.83934247 0.57472368 -3.01613527]
 Sample 3861: [0.56123369 1.18632944 0.28376456 2.86107625 6.04918505
 -2.77553851
 4.11551805 -1.45911817 -0.52036099 -2.34552226 2.02903703 4.39847686
 2.72353241 -2.94444549 0.51399122 -3.05321095]
 Sample 3862: [0.55569074 1.13511639 0.23139825 2.93483982 6.01333369
 -2.72015305
 4.04315244 -1.52623922 -0.50020196 -2.36878222 1.97111439 4.37471576
 2.7546439 -2.9660013 0.51593667 -2.91550447]
 Sample 3863: [0.57921267 1.18640177 0.25903125 2.89622742 6.02906487
 -2.76329927
 3.92287014 -1.55578334 -0.52294052 -2.3345795 1.99061871 4.36945976
 2.76366111 -2.97346371 0.42374275 -2.88114987]
 Sample 3864: [0.55965382 1.10299289 0.29520056 2.90047896 6.06901475
 -2.73035761
 3.98030007 -1.59139925 -0.45667723 -2.35537542 2.05187498 4.36650332
 2.74288296 -3.00760288 0.44564413 -2.92780684]
 Sample 3865: [0.49966551 1.21858343 0.28686661 2.87632369 6.1142668
 -2.70544336
 3.9584703 -1.64371503 -0.39005562 -2.30242359 2.04408474 4.42186358
 2.73805684 -3.05539471 0.47996853 -2.96661352]
 Sample 3866: [0.56895531 1.1387731 0.28519682 2.87990786 6.18574954
 -2.75593874
 3.98940904 -1.73195063 -0.34083555 -2.38526978 2.07563208 4.49445177
 2.79367189 -2.9885076 0.46255515 -2.98797154]
 Sample 3867: [0.58586543 1.13768463 0.29667509 2.86129679 6.2721814
 -2.82549477
 3.91503704 -1.65863389 -0.27959312 -2.35470677 2.06205327 4.59168062
 2.74292994 -3.03797973 0.45167447 -2.94735263]
 Sample 3868: [0.52459928 1.193806 0.33616414 2.92545504 6.26897324
 -2.74982333
 3.9787928 -1.69387114 -0.34340786 -2.35314626 2.08722223 4.66498376
 2.76523524 -3.01039767 0.46032153 -2.97268722]
 Sample 3869: [0.52844236 1.14244406 0.31774692 2.98480049 6.30588131
 -2.79263211
 3.9820399 -1.69030253 -0.31628512 -2.35371598 2.06607885 4.60486613
 2.72934557 -2.95681747 0.42432989 -2.99090185]
 Sample 3870: [0.51247799 1.15406072 0.34879273 3.02319124 6.32325405
 -2.82796867
 3.91760791 -1.73376799 -0.23208047 -2.24795558 2.07101287 4.6348201
 2.6967347 -2.9478483 0.41096467 -3.08276886]

Sample 3871: [0.49999201 1.11106677 0.39184533 3.10880253 6.18948704
 -2.89962827
 3.91336939 -1.73674486 -0.25811248 -2.2997599 2.06304599 4.6607278
 2.69802113 -2.86725038 0.39732891 -3.10584188]
 Sample 3872: [0.54250666 1.13943132 0.30503116 3.09031748 6.18487472
 -2.90411669
 3.91792194 -1.64729165 -0.20732136 -2.37303239 2.05846035 4.66688464
 2.70875549 -2.86716112 0.43628637 -3.08813807]
 Sample 3873: [0.58487734 1.17120265 0.28352086 3.09194368 6.20034201
 -2.91564198
 4.00715997 -1.64593092 -0.13519041 -2.35667065 2.0772296 4.63912494
 2.79174982 -2.85519553 0.50184929 -3.08486793]
 Sample 3874: [0.57597777 1.12958453 0.34309569 3.08864835 6.13057923
 -2.89603089
 4.02946964 -1.69437012 -0.15040031 -2.35485391 2.04890254 4.61177626
 2.74668958 -2.76753097 0.53472868 -3.0252261]
 Sample 3875: [0.48665831 1.16883847 0.33341454 3.07091848 6.12707357
 -2.86619576
 4.0640848 -1.67562328 -0.10632442 -2.33027711 2.01705179 4.60469467
 2.76914609 -2.81742703 0.67678741 -3.10638902]
 Sample 3876: [0.50720921 1.13382652 0.37166605 3.08490705 6.18981218
 -2.87150275
 4.07582586 -1.62859992 -0.15543579 -2.31120441 2.00006243 4.55707384
 2.72286491 -2.94306227 0.75976201 -3.09153254]
 Sample 3877: [0.53410656 1.18902567 0.29035812 3.10868245 6.16213373
 -2.85628396
 4.07032942 -1.6265776 -0.20469915 -2.30467919 2.04158258 4.57688791
 2.62886923 -2.98778202 0.73408717 -3.12790042]
 Sample 3878: [0.56577856 1.1284274 0.33777379 3.06347901 6.21842131
 -2.82048856
 3.97564911 -1.65077327 -0.20142464 -2.28243059 2.10658694 4.50289225
 2.53097987 -3.03266652 0.74629568 -3.13658254]
 Sample 3879: [0.49172461 1.12987847 0.30693056 3.12548235 6.31136683
 -2.74958135
 3.97899356 -1.6610581 -0.23950473 -2.19522275 2.14474529 4.57050567
 2.50652813 -3.10372722 0.72928186 -3.1499724]
 Sample 3880: [0.52141352 1.14672884 0.30550918 3.06435431 6.22700015
 -2.76653148
 3.90237038 -1.64230748 -0.24650121 -2.20101065 2.21965626 4.60166262
 2.41537699 -3.08904313 0.73014788 -3.03837131]
 Sample 3881: [0.51026691 1.14085051 0.32804939 3.01849389 6.22959733
 -2.71496558
 3.9116938 -1.76245998 -0.32620509 -2.16245731 2.19294214 4.55329222
 2.54298996 -3.14403248 0.74903843 -3.04735442]
 Sample 3882: [0.56105113 1.12437431 0.31386535 3.00515324 6.27552872
 -2.79815621
 3.87819486 -1.76395082 -0.32624567 -2.22138247 2.18432254 4.50415775
 2.61050815 -3.0550884 0.73736971 -2.98204059]

Sample 3883: [0.55732677 1.08963971 0.31195244 3.09943487 6.25704195
 -2.79916263
 3.8682416 -1.72284846 -0.4558448 -2.21490956 2.16074309 4.59372348
 2.60888355 -3.09143733 0.73318018 -2.95694239]
 Sample 3884: [0.56959868 1.12587296 0.34705855 3.07804265 6.29344741
 -2.90471949
 3.74362653 -1.72689519 -0.37192157 -2.24534966 2.1091403 4.63230319
 2.60519611 -3.13473546 0.78186065 -3.07001308]
 Sample 3885: [0.49600865 1.07793631 0.37042208 3.19770502 6.27309743
 -2.89760771
 3.76520151 -1.76592884 -0.35154271 -2.25160508 2.14446977 4.63083887
 2.56709666 -3.18314418 0.76993195 -3.02123302]
 Sample 3886: [0.50613597 1.08506575 0.34434839 3.26890648 6.28290704
 -2.78690289
 3.6988015 -1.74832515 -0.30823273 -2.2576139 2.07031077 4.56592998
 2.58422102 -3.22086018 0.7934903 -3.10286935]
 Sample 3887: [0.53821292 1.11375369 0.33648114 3.27452696 6.29781723
 -2.69209893
 3.78254974 -1.62055255 -0.31711953 -2.21267863 2.04453581 4.5479585
 2.63524813 -3.23159929 0.72410389 -3.14488921]
 Sample 3888: [0.47124298 1.0684238 0.33079333 3.359418 6.2290196
 -2.63800175
 3.78658844 -1.58093953 -0.30167935 -2.21060828 2.05825448 4.50580533
 2.61190169 -3.24235667 0.75856934 -3.14978468]
 Sample 3889: [0.53795516 1.09424935 0.31265222 3.32938081 6.28978304
 -2.51425893
 3.73253645 -1.64165629 -0.28554338 -2.25531099 2.02621891 4.47327111
 2.55964454 -3.12041155 0.75474554 -3.17724921]
 Sample 3890: [0.47056054 1.03996919 0.32077429 3.33818836 6.34408253
 -2.59098274
 3.78893155 -1.66816403 -0.25862604 -2.1877786 2.00616236 4.50047848
 2.52201974 -3.11688255 0.70330793 -3.20815247]
 Sample 3891: [0.47742847 1.12778735 0.34088659 3.38234714 6.36603456
 -2.5285283
 3.80770669 -1.58928537 -0.28365156 -2.2109745 2.02315244 4.47859204
 2.45530907 -3.09098138 0.61184311 -3.21272558]
 Sample 3892: [0.46416946 1.07304127 0.27114115 3.3951079 6.27239631
 -2.42503649
 3.80682611 -1.47463074 -0.20129867 -2.19571734 2.06960487 4.52830863
 2.47779114 -3.1001801 0.63866251 -3.19122832]
 Sample 3893: [0.5294964 1.101986 0.24215917 3.34315625 6.29709649
 -2.50211792
 3.80403974 -1.43655678 -0.25681308 -2.19386573 2.04515031 4.55156872
 2.50371586 -3.15267905 0.6403814 -3.18461815]
 Sample 3894: [0.44550918 1.07041556 0.27144915 3.35338932 6.29173222
 -2.5204362
 3.81656851 -1.34188689 -0.22211775 -2.18248074 2.16478067 4.5401627
 2.35122485 -3.2121549 0.68081271 -3.13357689]

Sample 3895: [0.4934332 1.138364 0.2548811 3.36354196 6.2808335
 -2.52446699
 3.83316421 -1.3257085 -0.21459072 -2.12275454 2.0886071 4.43102572
 2.35597411 -3.17410628 0.70463952 -3.05545593]
 Sample 3896: [0.45341347 1.11602593 0.29050481 3.33596804 6.2195142
 -2.47616192
 3.87108366 -1.39188488 -0.30010537 -2.0634975 2.151662 4.37609093
 2.31623832 -3.14785515 0.67692967 -2.99868001]
 Sample 3897: [0.4490325 1.09984646 0.30259059 3.24214193 6.26441902
 -2.48083854
 3.87170423 -1.47631312 -0.324549 -2.14431107 2.15014652 4.37884979
 2.28349705 -3.03605316 0.63476021 -2.99832585]
 Sample 3898: [0.48657818 1.16406309 0.26134544 3.23726151 6.14473185
 -2.44446902
 3.79760734 -1.44656586 -0.48899634 -2.16015537 2.22302372 4.32805951
 2.25720759 -3.07172358 0.58018551 -2.9350272]
 Sample 3899: [0.48985929 1.09774938 0.241149 3.29950991 6.21728005
 -2.45896215
 3.83696407 -1.46224101 -0.44401513 -2.20148949 2.16262939 4.36504121
 2.20468649 -2.98339776 0.5689948 -2.89094486]
 Sample 3900: [0.51153493 1.10132787 0.22821091 3.23311155 6.27526768
 -2.51784744
 3.77560782 -1.46273666 -0.44026107 -2.18074824 2.24904084 4.34553455
 2.28413099 -3.02640709 0.58682222 -2.86625434]
 Sample 3901: [0.49137744 1.13339059 0.27152892 3.19015166 6.21502848
 -2.49663074
 3.73659999 -1.38087336 -0.49612069 -2.19455902 2.17361438 4.30630156
 2.24057049 -3.05024447 0.60800885 -2.83709021]
 Sample 3902: [0.46220228 1.15065488 0.31727185 3.23322143 6.29414624
 -2.41971866
 3.78360162 -1.34176511 -0.62383971 -2.20712637 2.20293277 4.30859654
 2.24651541 -3.05198125 0.54113157 -2.80684273]
 Sample 3903: [0.42663782 1.16250617 0.29147242 3.2257265 6.33658336
 -2.46911691
 3.76625464 -1.42041686 -0.57935023 -2.16270345 2.2536959 4.29728182
 2.23269838 -3.11098366 0.59659263 -2.80291522]
 Sample 3904: [0.40541727 1.1708014 0.28425296 3.18216827 6.37016056
 -2.42531389
 3.79637063 -1.33163101 -0.65074962 -2.21768899 2.25073303 4.34094913
 2.26670498 -3.11552204 0.61339269 -2.80296185]
 Sample 3905: [0.44161414 1.1566513 0.29955743 3.20481791 6.37037174
 -2.46931515
 3.84034852 -1.38634457 -0.66411827 -2.25930527 2.22320295 4.34619228
 2.28765463 -3.16437822 0.57229681 -2.76666518]
 Sample 3906: [0.4994073 1.15083777 0.25217471 3.13446967 6.34983986
 -2.43778383
 3.86137941 -1.43505006 -0.73907284 -2.22287034 2.18560861 4.41351249
 2.31297914 -3.20532863 0.57240945 -2.71943933]

Sample 3907: [0.42686482 1.14309005 0.18077271 3.1806496 6.35839473
 -2.52533047
 3.80090045 -1.35809929 -0.65317077 -2.16219076 2.19020721 4.37570016
 2.23588887 -3.18288045 0.6722917 -2.73479679]
 Sample 3908: [0.52620728 1.12148572 0.25440325 3.18432367 6.33681407
 -2.48675185
 3.79620831 -1.34294653 -0.65417923 -2.2231868 2.13779105 4.30153488
 2.21967479 -3.13607745 0.5506758 -2.68773557]
 Sample 3909: [0.53750656 1.11224751 0.22342671 3.21838173 6.36939712
 -2.52086878
 3.71256181 -1.3630834 -0.67797117 -2.11843685 2.13030658 4.25815242
 2.23953781 -3.13859454 0.57804129 -2.75579571]
 Sample 3910: [0.46244295 1.08083032 0.21993761 3.22242329 6.33188641
 -2.50192779
 3.68443687 -1.37417605 -0.65671634 -2.10476716 2.21642296 4.25623204
 2.32500935 -3.110831 0.61169828 -2.77826878]
 Sample 3911: [0.50412866 1.10669693 0.24721473 3.23026646 6.32952249
 -2.46989772
 3.75971015 -1.4168283 -0.57350205 -2.16782685 2.16776702 4.29711059
 2.3224315 -3.1405002 0.59828051 -2.80819678]
 Sample 3912: [0.44144072 1.11368635 0.26171957 3.1969786 6.29406932
 -2.44487241
 3.78596458 -1.42058824 -0.56679514 -2.12569099 2.00747804 4.23009861
 2.28639725 -3.13687203 0.56691955 -2.80616102]
 Sample 3913: [0.48396498 1.08563393 0.2608254 3.06387845 6.34846753
 -2.46683019
 3.78354745 -1.47342225 -0.56677166 -2.15689331 1.93782907 4.26958788
 2.26801134 -3.10297053 0.63726826 -2.79099728]
 Sample 3914: [0.541548 1.14166348 0.24698095 2.973829 6.32829799
 -2.52801454
 3.85153504 -1.53617562 -0.6106357 -2.1290915 2.03621353 4.35833491
 2.27382877 -3.09462202 0.60931837 -2.66669476]
 Sample 3915: [0.51736247 1.17320048 0.28036283 2.99367351 6.38155772
 -2.56743552
 3.89109268 -1.5520148 -0.5686786 -2.08641325 2.08563833 4.3458365
 2.31401948 -3.11679421 0.65887654 -2.68886236]
 Sample 3916: [0.47960061 1.14382995 0.24891343 2.92373076 6.34615401
 -2.56483219
 3.84406565 -1.48058089 -0.70188313 -2.01117061 2.13071585 4.31877824
 2.39563946 -3.11875869 0.6372644 -2.78359057]
 Sample 3917: [0.51849051 1.11233233 0.29571612 3.00024795 6.33892994
 -2.54794419
 3.81758029 -1.48238321 -0.66791458 -2.04114624 2.16551474 4.35909152
 2.32310211 -3.10576193 0.65565971 -2.83761874]
 Sample 3918: [0.49280297 1.1110587 0.21788969 3.06253549 6.22206894
 -2.48611373
 3.77626322 -1.49838581 -0.71191235 -2.00533441 2.12435505 4.39291992
 2.38129516 -3.06425665 0.6072695 -2.93475573]

Sample 3919: [0.48874287 1.11672674 0.29664652 3.10311303 6.21002578
-2.49600863
3.83806857 -1.50316524 -0.70887143 -2.07368196 2.15574808 4.32725346
2.401273 -3.01715588 0.565099 -2.88957008]

Sample 3920: [0.43553936 1.12907092 0.31518873 3.15054617 6.29049234
-2.48386343
3.82907693 -1.53769157 -0.6273354 -2.02828227 2.19059912 4.36301066
2.36391364 -2.99118913 0.5450085 -2.88833646]

Sample 3921: [0.44252169 1.08634889 0.32705434 3.04151173 6.27263904
-2.492293
3.86257935 -1.50827437 -0.62905119 -2.00163759 2.23753332 4.3104928
2.34817948 -3.00297152 0.49416985 -2.96701881]

Sample 3922: [0.4339065 1.13605915 0.28794981 3.07679641 6.18146576
-2.54819904
3.7986243 -1.53842641 -0.7176351 -2.00787442 2.25377752 4.28348198
2.36904843 -2.97324511 0.53308355 -2.86005948]

Sample 3923: [0.49838137 1.10253628 0.3061497 3.12807709 6.14438566
-2.54416909
3.77704456 -1.61214102 -0.7123186 -2.00649041 2.28586468 4.22185605
2.25838982 -3.01895862 0.5411652 -2.81287526]

Sample 3924: [0.48405507 1.07521996 0.292602 3.12902595 6.24316024
-2.61628832
3.73854157 -1.56005306 -0.63221561 -1.98220728 2.38592834 4.22169447
2.27875719 -3.1313505 0.59267358 -2.84201467]

Sample 3925: [0.52190334 1.09544865 0.32975701 3.09595153 6.17882734
-2.674252
3.65337307 -1.58815888 -0.72315518 -2.0183999 2.32620753 4.0881818
2.33765857 -3.18809114 0.54296667 -2.85669712]

Sample 3926: [0.50639533 1.07790721 0.29252054 2.99273184 6.13583657
-2.76376161
3.6203939 -1.56585022 -0.73341343 -1.96545051 2.30049184 4.07892928
2.37062781 -3.20849699 0.48613166 -2.71309142]

Sample 3927: [0.50573487 1.09839482 0.31891314 3.02553557 6.07317263
-2.78134976
3.55346008 -1.53394945 -0.77544564 -1.99439587 2.31373405 4.14140181
2.30698353 -3.22135454 0.53801049 -2.63217364]

Sample 3928: [0.50867798 1.06122281 0.35050699 3.04760019 6.04820765
-2.75339112
3.57270093 -1.53163428 -0.68504017 -1.94959408 2.32179096 4.17506411
2.32428115 -3.09402402 0.47841823 -2.60991262]

Sample 3929: [0.449643 1.02572236 0.29098059 3.00096759 6.05446203
-2.74143741
3.59130216 -1.55388769 -0.69407994 -1.90854143 2.27162886 4.10263311
2.33732839 -3.01987537 0.40467664 -2.69649958]

Sample 3930: [0.46905775 1.0893313 0.2888059 2.97878015 6.03907323
-2.7569218
3.60194916 -1.5355241 -0.72957844 -1.91918257 2.22974757 4.05177347
2.29557891 -3.07816615 0.45359859 -2.73284266]

Sample 3931: [0.53219375 1.08539111 0.31021581 2.9480417 6.04816093
 -2.72754585
 3.59143167 -1.41231429 -0.73307916 -2.01732672 2.20304141 4.15134136
 2.30489556 -3.12582736 0.48031007 -2.77058017]
 Sample 3932: [0.49776146 1.11185149 0.33069622 3.02525362 6.02859503
 -2.85094504
 3.54838763 -1.47515174 -0.81422294 -2.05148918 2.28211474 4.08124448
 2.23862166 -3.06139783 0.52469501 -2.81129518]
 Sample 3933: [0.5702087 1.07535823 0.32758904 3.05821112 6.11086363
 -2.85152405
 3.56615 -1.56828834 -0.77914549 -1.99441909 2.2410322 4.16027696
 2.25823246 -3.08494048 0.5949594 -2.777982]
 Sample 3934: [0.52436216 1.07220732 0.32426705 2.9917072 6.1439472
 -2.85406151
 3.54185494 -1.60133672 -0.75534951 -2.05309506 2.2136752 4.08010522
 2.21034894 -3.09640282 0.62384217 -2.74915915]
 Sample 3935: [0.59530312 1.04693219 0.26748293 3.00673589 6.07602179
 -2.81430295
 3.59084105 -1.6502755 -0.75633627 -2.02691503 2.24682574 4.07427949
 2.27343334 -3.15817313 0.68051644 -2.6395022]
 Sample 3936: [0.5546532 1.06877087 0.25392197 2.938279 6.10562887
 -2.82479543
 3.52614647 -1.5721975 -0.73717804 -2.04769553 2.3496972 4.14038409
 2.14087568 -3.10368227 0.63436815 -2.62562699]
 Sample 3937: [0.55893542 1.0728966 0.2262878 2.97138419 6.06544314
 -2.79501642
 3.60512175 -1.58695235 -0.79285904 -2.03286972 2.39886887 4.15655067
 2.17230979 -3.03790286 0.59157443 -2.66342783]
 Sample 3938: [0.54568357 1.10990297 0.2507483 2.9434888 6.07227314
 -2.84237408
 3.53616916 -1.53904355 -0.84656949 -2.01506305 2.30052165 4.08742545
 2.18864746 -3.04780305 0.61370888 -2.66699586]
 Sample 3939: [0.59276924 1.08172167 0.30559742 2.97460116 6.10349363
 -2.84537877
 3.57275266 -1.511623 -0.76040908 -2.04823326 2.28207591 4.0949862
 2.20709287 -2.95455843 0.60227246 -2.7082587]
 Sample 3940: [0.56413342 1.10249103 0.24700812 2.94700018 6.11505394
 -2.86452318
 3.66014716 -1.55632761 -0.69328266 -2.06012589 2.18100452 4.13351925
 2.13629182 -2.90270341 0.63042359 -2.75868252]
 Sample 3941: [0.55919608 1.0694952 0.28195633 3.01787675 6.13603866
 -2.84607928
 3.66782592 -1.51715133 -0.79688072 -2.07510119 2.12168246 4.15527968
 2.1435787 -2.88499463 0.62454044 -2.84269129]
 Sample 3942: [0.59164948 1.05530505 0.28361562 3.0139216 6.1617669
 -2.94200656
 3.6102078 -1.56938754 -0.89651139 -2.10435404 2.05361231 4.09606744
 2.24097531 -3.01957892 0.58323103 -2.77571317]

Sample 3943: [0.56132412 1.11476569 0.29322675 2.97099596 6.16254301
 -2.93247608
 3.59259095 -1.59743473 -0.94276004 -2.18015698 2.02726098 4.11081813
 2.31163499 -3.07150118 0.56906501 -2.78314736]
 Sample 3944: [0.52999186 1.0466388 0.3346802 2.97525665 6.21064581
 -2.93432285
 3.61921867 -1.59565614 -0.91176923 -2.23432419 2.01989417 4.22267146
 2.27486703 -3.09821781 0.61707242 -2.73456632]
 Sample 3945: [0.57533015 1.07920117 0.29336255 2.97488678 6.2555125
 -2.87289448
 3.58624432 -1.63021368 -0.88056216 -2.24424294 2.02499853 4.23604699
 2.28551301 -3.11653722 0.55684854 -2.81435117]
 Sample 3946: [0.58448339 1.07605469 0.31150587 2.97353601 6.3227146
 -2.81859175
 3.59452855 -1.77397421 -0.86729938 -2.30256193 2.03326955 4.30763993
 2.33011293 -3.18229675 0.58650681 -2.76348563]
 Sample 3947: [0.50604208 1.07454516 0.34457169 3.0103027 6.32980399
 -2.81543845
 3.53818116 -1.77273437 -0.88290993 -2.31737656 2.09374049 4.31730285
 2.35170788 -3.18221983 0.6160962 -2.73131363]
 Sample 3948: [0.50565869 1.05919928 0.34337897 2.98045546 6.29192401
 -2.83555374
 3.50948653 -1.68104001 -0.88988183 -2.33708025 2.14948374 4.34867723
 2.33555977 -3.10191352 0.6331456 -2.70554024]
 Sample 3949: [0.55452837 1.13441742 0.3618976 2.99452245 6.325514
 -2.85917118
 3.5734602 -1.67000608 -0.92249929 -2.39428309 2.14981421 4.39869604
 2.29918235 -3.13065285 0.60593904 -2.6370462]
 Sample 3950: [0.49645424 1.07698231 0.31476485 3.01868043 6.35049597
 -2.85949674
 3.52560669 -1.68984284 -0.85046496 -2.37937787 2.14217633 4.32564438
 2.30338277 -3.10997315 0.51878031 -2.66861099]
 Sample 3951: [0.52717441 1.02188683 0.38011719 3.03127308 6.33557794
 -2.90958951
 3.48074083 -1.65023679 -0.87321099 -2.3441436 2.17500064 4.33951008
 2.30434533 -3.0993782 0.54374433 -2.70162169]
 Sample 3952: [0.57346619 1.05240634 0.30062947 3.00637188 6.36150511
 -2.94932968
 3.43342763 -1.62877837 -0.94715001 -2.36062887 2.19514011 4.3464163
 2.2054101 -3.02042793 0.57748022 -2.63091479]
 Sample 3953: [0.55358088 1.04222962 0.32188064 3.04276035 6.32988421
 -2.98570973
 3.46850694 -1.63687315 -0.81474037 -2.43651248 2.30121179 4.35780679
 2.23891783 -2.99111664 0.52633484 -2.5921686]
 Sample 3954: [0.59510014 1.09142357 0.24189764 3.00987377 6.20359419
 -2.96227776
 3.52994424 -1.60382207 -0.78776089 -2.428293 2.33362872 4.37638919
 2.23920692 -2.96420733 0.48868209 -2.55961807]

Sample 3955: [0.60623062 1.07780367 0.22449006 2.99877305 6.22395918
 -3.02310023
 3.58298378 -1.50794477 -0.8334369 -2.39964619 2.2322336 4.37401716
 2.23606124 -2.95207936 0.57182483 -2.61668534]
 Sample 3956: [0.5878816 1.10810174 0.24276681 3.09314812 6.27508649
 -2.97848993
 3.52106806 -1.47200422 -0.85759361 -2.39893392 2.28702428 4.43584598
 2.1911536 -2.85912598 0.65528542 -2.58724848]
 Sample 3957: [0.57167056 1.06421459 0.18442415 3.10730523 6.32352395
 -3.02661389
 3.51990317 -1.44959815 -0.96825643 -2.37922246 2.31890987 4.32823883
 2.13225601 -2.89233481 0.61859457 -2.63128059]
 Sample 3958: [0.61684599 1.10725241 0.30216973 3.19133721 6.2627727
 -3.03211786
 3.58321087 -1.55749159 -0.99705232 -2.47883997 2.33739188 4.3474754
 2.1648948 -2.90734801 0.62374352 -2.68319301]
 Sample 3959: [0.60144714 1.03707692 0.20774251 3.20392025 6.29633158
 -3.0148848
 3.63651503 -1.44740879 -1.02033058 -2.46296784 2.3483233 4.31834915
 2.18177824 -2.85237482 0.63986997 -2.71459015]
 Sample 3960: [0.63086355 1.1624315 0.24942821 3.25373641 6.1823421
 -3.05115435
 3.58436966 -1.41484506 -1.12838014 -2.53118844 2.34334705 4.27652508
 2.15548148 -2.79053596 0.67484391 -2.74164872]
 Sample 3961: [0.61715441 1.10540827 0.20360667 3.30175315 6.28460438
 -3.07534671
 3.67200753 -1.42768462 -1.11743845 -2.51587513 2.31861824 4.37592092
 2.20213105 -2.80986021 0.79316728 -2.76096559]
 Sample 3962: [0.5807413 1.10174686 0.25495874 3.23914232 6.27800059
 -2.95017861
 3.58043445 -1.43093973 -1.07372365 -2.62580009 2.30015918 4.35909189
 2.16831159 -2.82442826 0.87468314 -2.8071612]
 Sample 3963: [0.56436044 1.11657005 0.23079109 3.18141177 6.3362887
 -2.90444086
 3.53879752 -1.44495863 -1.0295038 -2.60122564 2.28115121 4.31817127
 2.13600103 -2.87190173 0.90844352 -2.75802646]
 Sample 3964: [0.59098707 1.08778717 0.24803894 3.22273369 6.39018681
 -3.00953707
 3.4940233 -1.42680259 -0.95031416 -2.60134901 2.30538135 4.27812819
 2.1811189 -2.87575804 1.03798203 -2.73776892]
 Sample 3965: [0.58900473 1.06417042 0.27928084 3.18085148 6.41015681
 -2.97803077
 3.47373673 -1.48502328 -1.00768507 -2.5024862 2.27809876 4.17809871
 2.12347166 -2.9389702 1.01021492 -2.7425173]
 Sample 3966: [0.52647077 1.01399542 0.29002554 3.16463203 6.40878652
 -2.96791047
 3.41870165 -1.51638623 -1.01623078 -2.4772233 2.26708805 4.24094858
 2.12738916 -2.91162107 1.08443862 -2.79409231]

Sample 3967: [0.54249536 1.03302834 0.30243925 3.19002782 6.48397729
 -3.00669758
 3.40061009 -1.48833851 -1.00203038 -2.45504553 2.29844855 4.12546564
 2.12469104 -2.92349695 1.09491644 -2.79112666]
 Sample 3968: [0.56582806 1.00236731 0.33324118 3.22897584 6.47405843
 -2.94488875
 3.40264045 -1.54598305 -0.93332338 -2.50877391 2.28338734 4.18028955
 2.11991778 -2.92172216 1.08985463 -2.84371716]
 Sample 3969: [0.55135029 1.01374171 0.32788707 3.2357327 6.49417382
 -3.01588937
 3.48258569 -1.47231566 -0.94220659 -2.50544667 2.28016631 4.18968614
 2.06429015 -2.95904255 1.09848538 -2.91866825]
 Sample 3970: [0.5942131 0.99293634 0.26227517 3.24956288 6.48355718
 -3.01906141
 3.37717143 -1.44205546 -0.93322683 -2.54529372 2.32748267 4.15890949
 2.1207205 -3.03483851 1.14252516 -2.92410743]
 Sample 3971: [0.55799673 1.0167652 0.25484345 3.22206266 6.48609112
 -3.01018796
 3.4779206 -1.43020848 -0.95568983 -2.54831355 2.32677374 4.20157937
 2.25657547 -3.00493562 1.14570812 -2.85570441]
 Sample 3972: [0.56153886 1.06903175 0.31116869 3.21232974 6.5866805
 -2.99073687
 3.46153029 -1.50692755 -0.97957306 -2.51065938 2.24238422 4.17831008
 2.3190157 -2.99248261 1.05064944 -2.83137406]
 Sample 3973: [0.55365177 1.01214357 0.29578694 3.24461618 6.65454123
 -3.0163819
 3.43484718 -1.53336861 -0.97725587 -2.42058255 2.19167101 4.18717762
 2.22922869 -3.00844836 1.05278123 -2.78453608]
 Sample 3974: [0.58049353 1.08282541 0.2954632 3.33005373 6.71264048
 -3.03242193
 3.45782211 -1.52178777 -0.94672017 -2.41004785 2.19548258 4.11749028
 2.30568463 -2.98213814 0.99499628 -2.77549096]
 Sample 3975: [0.59384313 1.02627549 0.282835 3.38954658 6.75448
 -3.06396625
 3.45615329 -1.56878959 -0.97883424 -2.35927041 2.19630631 4.09961635
 2.2469634 -3.00180315 0.94412479 -2.72021323]
 Sample 3976: [0.59576125 1.02855176 0.31880402 3.38390067 6.74558973
 -3.10038802
 3.4247953 -1.55247204 -0.9955794 -2.37046798 2.14840627 4.12070432
 2.20567937 -2.91239035 0.92620029 -2.74441135]
 Sample 3977: [0.58342018 1.01164048 0.32699347 3.3240992 6.71209973
 -3.16685114
 3.40900106 -1.59280862 -0.99561679 -2.34792474 2.15647121 4.07823964
 2.24630483 -2.92379123 0.8674953 -2.89123269]
 Sample 3978: [0.57662329 0.98123965 0.34455587 3.29869941 6.7008388
 -3.18322034
 3.41303249 -1.6106936 -1.04840806 -2.36903785 2.08387942 4.0539903
 2.30545858 -2.92379926 0.86393492 -2.90727269]

Sample 3979: [0.56647363 1.04694487 0.31010308 3.29756202 6.74107526
 -3.22169184
 3.38065437 -1.55123623 -1.07072522 -2.23447501 2.08959676 4.0391147
 2.27980428 -2.88001411 0.88657925 -2.83643707]
 Sample 3980: [0.64852475 1.00463089 0.33403565 3.34203653 6.71769213
 -3.22604823
 3.40465135 -1.60471655 -1.11482915 -2.26707743 2.11554616 3.9305376
 2.36408254 -2.89022324 0.95720447 -2.8500962]
 Sample 3981: [0.5929087 0.96607422 0.29866678 3.33242866 6.63586422
 -3.13478041
 3.3981138 -1.65285256 -1.04719715 -2.36616007 2.19084982 3.90984219
 2.37173831 -2.86616435 0.96775096 -2.82285304]
 Sample 3982: [0.61618424 1.018653 0.32976007 3.32194172 6.63066908
 -3.11618796
 3.43881949 -1.6152765 -1.00889636 -2.31111829 2.10530275 3.83664625
 2.29790668 -2.89611421 0.9154009 -2.8442386]
 Sample 3983: [0.6421594 1.04039388 0.24222741 3.30572607 6.64647229
 -3.07298471
 3.50691794 -1.57149386 -0.94668303 -2.29822633 2.16539746 3.84922643
 2.36879961 -2.99059538 0.96454252 -2.88709939]
 Sample 3984: [0.58034023 1.03680172 0.28119996 3.35781028 6.65324646
 -3.03522057
 3.59943524 -1.55437642 -0.91401742 -2.30630889 2.0825369 3.84168937
 2.3623146 -3.00901905 1.02608504 -2.87191076]
 Sample 3985: [0.58984149 1.02890125 0.2620101 3.33877811 6.67782854
 -3.03030851
 3.52627015 -1.57064596 -0.9912563 -2.2862309 1.99809664 3.88594267
 2.36824613 -2.9466616 1.04800947 -2.88598701]
 Sample 3986: [0.58955302 1.07738254 0.29650532 3.33213893 6.7467504
 -3.0663898
 3.53288956 -1.64186358 -1.01319862 -2.26117118 1.98860308 3.94982346
 2.3382192 -2.96593873 1.0109752 -2.85817143]
 Sample 3987: [0.58627049 1.00966435 0.35497669 3.39856424 6.74828952
 -3.12483854
 3.45964381 -1.61380073 -1.04393935 -2.26929053 2.04291582 3.94502838
 2.33334961 -2.95410277 0.90663715 -2.88143048]
 Sample 3988: [0.5808552 1.04133157 0.34044069 3.44761685 6.71967904
 -3.1256797
 3.55750256 -1.74536033 -1.09052633 -2.27499744 2.01105359 3.89996102
 2.42453928 -2.80655759 0.87826621 -2.88869949]
 Sample 3989: [0.61921329 1.03056266 0.32493887 3.44687812 6.70659983
 -3.15612133
 3.50151336 -1.71389411 -1.07310346 -2.34027131 1.97511167 3.84215246
 2.37407259 -2.8920917 0.91346361 -2.91802417]
 Sample 3990: [0.62484505 1.03204538 0.27022688 3.48299095 6.75505575
 -3.15807071
 3.45626859 -1.66199757 -1.06173733 -2.35978777 2.04234563 3.80521622
 2.3772235 -2.94902104 0.83412517 -2.88344771]

Sample 3991: [0.66661758 1.00301521 0.34323981 3.37198489 6.72676835
 -3.1533431
 3.44978107 -1.68146348 -1.09273201 -2.43447315 2.03300503 3.78791672
 2.35538491 -2.86848449 0.84336407 -2.82942693]
 Sample 3992: [0.6104261 1.0508505 0.2846029 3.29143765 6.81047866
 -3.22365101
 3.39581785 -1.77519209 -0.98543993 -2.39894407 2.04074342 3.7190425
 2.31632905 -2.86828489 0.91976185 -2.8220226]
 Sample 3993: [0.64459521 1.00922095 0.3528162 3.30364532 6.80216618
 -3.16914627
 3.41659518 -1.77233084 -0.9315672 -2.44610189 2.06886612 3.70946031
 2.27896401 -2.81488912 0.93377536 -2.82783397]
 Sample 3994: [0.61228411 0.98602049 0.28136055 3.34444112 6.91100809
 -3.13587825
 3.47517154 -1.68536719 -0.85399888 -2.411941 1.96857983 3.64139068
 2.27598878 -2.83268809 0.8950042 -2.92153085]
 Sample 3995: [0.62661209 1.01705695 0.32847785 3.41266476 6.93930109
 -3.23294019
 3.4375645 -1.61903664 -0.87838949 -2.36169238 1.84863338 3.6791841
 2.27476993 -2.87546441 0.8183852 -2.89905681]
 Sample 3996: [0.6197271 1.02499506 0.28777622 3.44134537 6.94877735
 -3.13559515
 3.47149672 -1.57821848 -0.92545521 -2.41656906 1.8536757 3.71665785
 2.29147347 -2.89784318 0.77042092 -2.89732476]
 Sample 3997: [0.59584654 1.01079827 0.28486068 3.38044684 6.96701538
 -3.08834799
 3.45680667 -1.58258093 -0.96345566 -2.53191619 1.80217469 3.67298538
 2.37202344 -2.86731865 0.80265936 -2.84275138]
 Sample 3998: [0.63129053 0.9842925 0.32160722 3.42044993 6.92886699
 -3.04720338
 3.52887123 -1.66684849 -1.03009835 -2.53496801 1.87007409 3.7756288
 2.35888136 -2.83683484 0.7299617 -2.8449553]
 Sample 3999: [0.57253726 1.04952699 0.33214827 3.41750042 6.99766495
 -3.11852768
 3.56437021 -1.67961869 -1.06537626 -2.53931041 2.0172826 3.83100043
 2.3825358 -2.85406465 0.75503529 -2.77902234]
 Sample 4000: [0.59709575 1.06638689 0.35666986 3.41670351 7.09970684
 -3.14187055
 3.53489716 -1.63631657 -1.05155296 -2.54423004 1.95139833 3.89135206
 2.31096781 -2.85328773 0.75394439 -2.82321679]
 Sample 4001: [0.58262821 1.03915006 0.29250542 3.3617473 7.20286625
 -3.12439041
 3.53322183 -1.67024469 -1.05916178 -2.50409975 1.96832207 3.89058412
 2.41205531 -2.82719237 0.79968192 -2.7641636]
 Sample 4002: [0.65752494 1.06574185 0.3338526 3.39263562 7.18427609
 -3.168654
 3.57006441 -1.72217408 -1.06158891 -2.56968683 1.9239717 3.91942224
 2.39181725 -2.87630679 0.88351065 -2.80242582]

Sample 4003: [0.59400444 1.02553904 0.32441376 3.41913972 7.15179503
 -3.11256012
 3.51213703 -1.72471675 -1.06870174 -2.57374776 1.94305923 3.97871282
 2.3821789 -2.90684525 0.90268456 -2.77740125]
 Sample 4004: [0.62480263 1.03814369 0.29411866 3.44134895 7.14590354
 -3.1263691
 3.49262312 -1.66141244 -1.05823049 -2.63725555 1.9585313 3.94309613
 2.4300964 -2.96352911 0.9128272 -2.77083185]
 Sample 4005: [0.6041435 1.01171057 0.25578415 3.47312271 7.05646723
 -3.17990384
 3.44745048 -1.56362596 -1.20722067 -2.6653406 1.94435974 3.91212154
 2.47628512 -3.05724208 0.8444316 -2.77301705]
 Sample 4006: [0.65209049 0.99324728 0.28379767 3.41960662 7.09189967
 -3.16101404
 3.40104039 -1.52745873 -1.13359515 -2.66786019 1.89685233 4.01494433
 2.42143305 -3.05126212 0.85150338 -2.85829491]
 Sample 4007: [0.65883451 1.02464366 0.24406498 3.42578367 7.11467897
 -3.29901874
 3.40629253 -1.48850027 -1.20631868 -2.75307212 1.87221771 4.00262344
 2.43557739 -3.08625639 0.87784698 -2.87400888]
 Sample 4008: [0.64048492 0.98688576 0.34145696 3.48958934 7.09936075
 -3.32834621
 3.41472407 -1.53146151 -1.29708189 -2.72346555 1.87229493 4.09151879
 2.41687297 -3.03039982 0.95322075 -2.93647404]
 Sample 4009: [0.61720119 1.03776547 0.25301821 3.45519295 7.01220299
 -3.2989176
 3.45584333 -1.48864343 -1.3224459 -2.70229025 1.84170446 4.10749931
 2.44825041 -3.0101192 0.98354263 -2.85968455]
 Sample 4010: [0.65084963 1.04637872 0.3074009 3.50099698 7.04167689
 -3.26506906
 3.50875549 -1.4921897 -1.31965348 -2.72682728 1.88283194 4.15548601
 2.34050914 -3.05742689 0.99388313 -2.79555437]
 Sample 4011: [0.61703409 1.03177653 0.23065655 3.48007474 7.10820944
 -3.14545354
 3.38540591 -1.50851262 -1.28448155 -2.70376561 1.82667904 4.16416648
 2.35294651 -3.12032565 0.94610834 -2.81071301]
 Sample 4012: [0.62996576 0.99338866 0.3393944 3.48808968 7.13563041
 -3.16579688
 3.35186071 -1.53417732 -1.25325119 -2.69950174 1.81392016 4.22889558
 2.35114933 -3.09379043 0.9553563 -2.85986609]
 Sample 4013: [0.6491428 1.06676323 0.21927138 3.45411361 7.15924096
 -3.10663182
 3.38332085 -1.54371478 -1.31644216 -2.80495983 1.79972594 4.24230213
 2.38328506 -3.12560808 0.89156853 -2.83255811]
 Sample 4014: [0.5799752 1.03927831 0.3198326 3.48559167 7.18621203
 -3.1056396
 3.3577108 -1.50654296 -1.37926571 -2.86439436 1.89967824 4.28464836
 2.41171429 -3.10050679 0.80770951 -2.80295125]

Sample 4015: [0.57618845 1.0001495 0.35654862 3.53875728 7.109404
 -3.15999699
 3.31510809 -1.5631864 -1.36330739 -2.7474281 1.90711387 4.26242975
 2.40549425 -2.96322571 0.74218017 -2.67619018]
 Sample 4016: [0.58891989 0.99725704 0.30571702 3.60477083 7.1493699
 -3.08917815
 3.30183133 -1.5631499 -1.40149174 -2.71378823 2.00661662 4.23221882
 2.41263195 -3.01836674 0.82859287 -2.61198862]
 Sample 4017: [0.60867771 1.06649691 0.24929399 3.61615063 7.21724409
 -3.10849879
 3.38892128 -1.54876381 -1.40430907 -2.72104356 2.03415821 4.22969158
 2.38642647 -3.09142688 0.83845997 -2.58480003]
 Sample 4018: [0.61883401 1.07204099 0.2432843 3.57750831 7.21544526
 -3.12968885
 3.46082035 -1.55594106 -1.32906528 -2.75471965 2.04978085 4.19347635
 2.4200976 -3.13794318 0.8553406 -2.60371291]
 Sample 4019: [0.5773328 1.07763944 0.37365833 3.52919981 7.26050489
 -3.20109042
 3.43168663 -1.56168867 -1.31188187 -2.79450657 2.05893125 4.23545163
 2.36175719 -3.12184922 0.79354436 -2.58138186]
 Sample 4020: [0.60358199 1.08007174 0.30575729 3.45211526 7.19567187
 -3.2313279
 3.41738108 -1.57681185 -1.40806649 -2.72466809 2.09717675 4.33122081
 2.29627231 -3.14827995 0.81794283 -2.61979074]
 Sample 4021: [0.63842965 1.06626749 0.31029945 3.48254456 7.13653344
 -3.19026149
 3.48685635 -1.61159762 -1.41150053 -2.69786497 2.15339253 4.41037255
 2.24068192 -3.16496957 0.87061783 -2.57946051]
 Sample 4022: [0.61907857 1.0600486 0.23581301 3.56337812 7.20670323
 -3.2118206
 3.42458232 -1.597768 -1.4593318 -2.66864331 2.15978115 4.40415565
 2.25716938 -3.14816445 0.93495327 -2.62255534]
 Sample 4023: [0.65770193 1.05910963 0.27528938 3.59424371 7.20226985
 -3.16616878
 3.37517737 -1.53644079 -1.36742533 -2.75740243 2.25822981 4.40362194
 2.21509882 -3.18721297 1.00577516 -2.67685746]
 Sample 4024: [0.52941457 1.0133336 0.2786903 3.67105595 7.21717325
 -3.13568044
 3.44323978 -1.55823235 -1.37099701 -2.73467335 2.18716588 4.45504676
 2.29728743 -3.14279195 1.04465943 -2.7295061]
 Sample 4025: [0.59205329 1.07209674 0.2855316 3.69197932 7.21669296
 -3.16862063
 3.44332413 -1.51868614 -1.3812 -2.76244279 2.25479191 4.47786802
 2.20930497 -3.13566143 1.12589245 -2.69879141]
 Sample 4026: [0.62692798 1.02763852 0.29822809 3.74209288 7.29431094
 -3.15209387
 3.42963344 -1.51980568 -1.34968472 -2.72852365 2.19322956 4.49357891
 2.13709891 -3.17798022 1.11299273 -2.61374239]

Sample 4027: [0.57122831 1.07728672 0.32939106 3.65700816 7.30358627
 -3.20647582
 3.43368439 -1.53035769 -1.37455559 -2.65483845 2.19162083 4.50093471
 2.16938919 -3.20597196 1.19286458 -2.58131339]
 Sample 4028: [0.52556948 1.04273073 0.33907565 3.82669722 7.36398149
 -3.19368436
 3.42483042 -1.52976381 -1.39898084 -2.62535372 2.23116438 4.49842466
 2.21250825 -3.27018914 1.12527152 -2.53449745]
 Sample 4029: [0.60225116 1.09846279 0.35870288 3.8379184 7.33988574
 -3.19712185
 3.44229893 -1.5373892 -1.4291604 -2.60882051 2.20649708 4.50857453
 2.21101113 -3.21811367 1.13931677 -2.52000117]
 Sample 4030: [0.61159348 0.99402896 0.31063395 3.88313825 7.25306063
 -3.16184523
 3.44738126 -1.47365248 -1.35286886 -2.56997605 2.20510365 4.39263549
 2.20873369 -3.20822133 1.20299878 -2.56512004]
 Sample 4031: [0.56184365 1.07669781 0.4131214 3.82821135 7.12646994
 -3.22948943
 3.40367282 -1.49136431 -1.33102062 -2.59107675 2.25524011 4.49312562
 2.19730161 -3.28383743 1.13540471 -2.59075603]
 Sample 4032: [0.58107562 1.06034955 0.30413718 3.85534021 7.0572741
 -3.16617542
 3.35409743 -1.41356098 -1.37986407 -2.52271673 2.33635923 4.46434593
 2.24559511 -3.2573985 1.0720762 -2.5834091]
 Sample 4033: [0.51132036 1.06328574 0.32202751 3.90138897 7.01241123
 -3.18192704
 3.45707848 -1.37356388 -1.31850831 -2.51721206 2.33748184 4.51897122
 2.27541032 -3.29727876 1.02493813 -2.50753102]
 Sample 4034: [0.54442876 1.0905849 0.31051915 3.82148208 7.10924624
 -3.18403254
 3.42560805 -1.40184073 -1.27897652 -2.51860343 2.36141403 4.4575758
 2.24119226 -3.27730832 1.02678788 -2.52169717]
 Sample 4035: [0.54094144 1.07879052 0.30300829 3.79637672 7.09605057
 -3.1326244
 3.47669881 -1.29223027 -1.32034587 -2.5629744 2.40847086 4.44548267
 2.22676525 -3.33813093 1.03361809 -2.51095751]
 Sample 4036: [0.57875392 1.12466959 0.35404034 3.79796105 7.06273288
 -3.18176616
 3.48050074 -1.27334651 -1.30623246 -2.44052578 2.35275757 4.35219072
 2.20244826 -3.30148784 1.0745118 -2.56813884]
 Sample 4037: [0.57038953 1.09074514 0.29114861 3.76139801 7.04131995
 -3.19257101
 3.5214209 -1.31178336 -1.27637732 -2.43387797 2.40781599 4.32279028
 2.19973268 -3.24508685 1.14142809 -2.52762547]
 Sample 4038: [0.6045591 1.06842381 0.33393111 3.76684893 7.12176435
 -3.19690559
 3.53268555 -1.26914803 -1.30653223 -2.43403885 2.43165265 4.36356537
 2.21455168 -3.22651548 1.162926 -2.54511944]

Sample 4039: [0.57251076 1.09890397 0.29091098 3.72174882 7.15763165
 -3.15428474
 3.47561781 -1.18934506 -1.27883182 -2.39025621 2.43993478 4.34607849
 2.26366977 -3.20990103 1.06997696 -2.58969599]
 Sample 4040: [0.57611539 1.09028645 0.31956474 3.71405282 7.15041232
 -3.24045955
 3.44658177 -1.21349318 -1.20575277 -2.36978467 2.43808256 4.47177785
 2.29500681 -3.16162597 1.03797643 -2.6289292]
 Sample 4041: [0.60490301 1.04522487 0.24819576 3.70847809 7.20837495
 -3.34282449
 3.53959444 -1.22151904 -1.17344275 -2.30881853 2.38794665 4.52186249
 2.30573727 -3.04193502 1.04627168 -2.69055015]
 Sample 4042: [0.6773444 1.1169269 0.16568545 3.66139191 7.27873682
 -3.39598803
 3.532146 -1.16256349 -1.13114478 -2.34395632 2.37146598 4.55578383
 2.33828449 -3.0844089 1.08462508 -2.66898299]
 Sample 4043: [0.69550756 1.06365618 0.15975131 3.65229596 7.23280211
 -3.38682527
 3.5112482 -1.19435027 -1.06755316 -2.37695022 2.4166377 4.51373179
 2.40460435 -3.08036148 1.0799776 -2.74033574]
 Sample 4044: [0.67082873 1.08017017 0.18692472 3.57959234 7.19503779
 -3.40928286
 3.54114275 -1.19950144 -1.0243887 -2.41932035 2.47653238 4.49408956
 2.46060775 -3.01278857 1.04392401 -2.77039975]
 Sample 4045: [0.67553708 1.10766685 0.11621786 3.55708571 7.22236221
 -3.4031673
 3.52604589 -1.11604977 -1.12692102 -2.4077904 2.48488568 4.45483733
 2.50015811 -3.07367071 0.98970735 -2.79106532]
 Sample 4046: [0.68907546 1.09258784 0.14552562 3.54052146 7.18523125
 -3.39365595
 3.54317302 -1.13958152 -1.1964651 -2.46965349 2.49529572 4.40460509
 2.53978943 -3.09720016 1.01098724 -2.76089203]
 Sample 4047: [0.65610981 1.06663492 0.12571436 3.52550486 7.19012403
 -3.43625192
 3.47884885 -1.13828758 -1.16569013 -2.46397732 2.51428808 4.38702209
 2.48402474 -3.1747819 0.96467279 -2.73711792]
 Sample 4048: [0.69768486 1.04622041 0.15003756 3.53738497 7.19149796
 -3.45512561
 3.51179876 -1.14897406 -1.15417108 -2.45433908 2.55110362 4.45441446
 2.49091422 -3.12702719 0.988091 -2.78913673]
 Sample 4049: [0.68575502 1.09477784 0.12064577 3.52605314 7.24453738
 -3.53237197
 3.51058266 -1.20037073 -1.20146857 -2.36342282 2.54837852 4.4363398
 2.57889384 -3.05004973 1.06859778 -2.73442291]
 Sample 4050: [0.6982665 1.07901976 0.15265843 3.55328087 7.21313917
 -3.46671837
 3.4610551 -1.21511369 -1.27388515 -2.30477832 2.51498081 4.38897846
 2.55150241 -3.01244058 1.14156473 -2.67903902]

Sample 4051: [0.65871965 1.03581683 0.11807574 3.52353452 7.20501668
 -3.38438023
 3.45235206 -1.21028569 -1.22480292 -2.27448015 2.56062329 4.32387071
 2.57248399 -2.97124032 1.23466334 -2.56818757]
 Sample 4052: [0.70966765 1.05125984 0.15528677 3.5676555 7.19617952
 -3.35826474
 3.36915217 -1.2183695 -1.20094183 -2.42536015 2.56190113 4.319125
 2.57212835 -2.90553499 1.23988213 -2.63735659]
 Sample 4053: [0.6679186 1.01068214 0.16762295 3.50508936 7.17037771
 -3.41140257
 3.35960406 -1.36502723 -1.13668501 -2.30297927 2.62899648 4.30473533
 2.51509062 -3.00261938 1.2856068 -2.69026372]
 Sample 4054: [0.68888614 1.11000864 0.19210271 3.48280492 7.23391827
 -3.2867747
 3.36914447 -1.5237721 -1.15935769 -2.30404012 2.66692766 4.31221026
 2.53654335 -3.00819476 1.34588662 -2.65963932]
 Sample 4055: [0.65634215 1.04504626 0.18772745 3.50831187 7.27675072
 -3.287279
 3.34333137 -1.57989171 -1.16233288 -2.38808283 2.74817765 4.36050966
 2.55327862 -2.92049414 1.24459477 -2.61763705]
 Sample 4056: [0.68917546 1.06134457 0.2032008 3.46385909 7.24280174
 -3.2935754
 3.37174552 -1.64941136 -1.18391543 -2.43047276 2.82430704 4.34722799
 2.5089456 -2.95115892 1.20926252 -2.60675068]
 Sample 4057: [0.68000217 0.99764888 0.19886361 3.48147221 7.23399673
 -3.36308179
 3.37045507 -1.59652635 -1.15008511 -2.4399209 2.7746165 4.32139094
 2.52841933 -2.99280565 1.24842744 -2.63055005]
 Sample 4058: [0.69671494 1.05484925 0.21420855 3.49636114 7.29339725
 -3.42592847
 3.34659608 -1.66312473 -1.10918853 -2.40828998 2.72039115 4.33049484
 2.54453625 -2.96132808 1.2646337 -2.62305164]
 Sample 4059: [0.71747261 1.02315 0.22354567 3.5207656 7.3270635
 -3.49042402
 3.35729017 -1.64554237 -1.13139629 -2.35842926 2.65165918 4.2992488
 2.50575334 -3.00822577 1.21173436 -2.72244554]
 Sample 4060: [0.75261586 1.02199567 0.27477493 3.48070989 7.31247229
 -3.61335987
 3.42802863 -1.61146314 -1.15710439 -2.42787671 2.53468976 4.37716322
 2.50732095 -2.97673742 1.14328825 -2.71873798]
 Sample 4061: [0.68177614 1.03536839 0.24119084 3.45977218 7.23568522
 -3.48655161
 3.43715977 -1.67118957 -1.17649595 -2.44311526 2.52703727 4.43375815
 2.50796749 -3.02078967 1.24948596 -2.79226731]
 Sample 4062: [0.69247876 1.03818439 0.27028954 3.38000928 7.27743183
 -3.531621
 3.44536892 -1.6790249 -1.24010182 -2.40166624 2.48232209 4.43697858
 2.43300131 -3.05793523 1.25704438 -2.79285402]

Sample 4063: [0.74094942 1.02402154 0.22221172 3.40043758 7.2592958
 -3.5088498
 3.42482155 -1.61122877 -1.23497773 -2.38602423 2.51286941 4.4450821
 2.49039171 -3.0773946 1.24660567 -2.83533217]
 Sample 4064: [0.71405305 1.01463571 0.29273868 3.41196856 7.27842088
 -3.53826475
 3.41150053 -1.6047622 -1.24809957 -2.40231356 2.5267437 4.40004626
 2.44389731 -3.11185756 1.09660916 -2.80798826]
 Sample 4065: [0.67696846 1.03596283 0.27282546 3.38648456 7.26987333
 -3.51528722
 3.40301204 -1.70750102 -1.19578772 -2.43753202 2.52258108 4.38676163
 2.33168824 -3.07108879 1.16943621 -2.87941463]
 Sample 4066: [0.7341593 1.07070316 0.27065665 3.41337566 7.22637769
 -3.56610314
 3.35560846 -1.68268285 -1.13002622 -2.42597111 2.51643172 4.47314015
 2.38465862 -3.12190939 1.18965879 -2.86741825]
 Sample 4067: [0.68475979 1.01367352 0.25137165 3.42886383 7.27005296
 -3.60211915
 3.40273362 -1.63147324 -1.18815488 -2.48609151 2.45953075 4.46816559
 2.3575554 -3.11903255 1.21464272 -2.90256215]
 Sample 4068: [0.73847695 1.00636924 0.30765097 3.36464862 7.24425931
 -3.65299874
 3.4029819 -1.56075604 -1.15114907 -2.45518298 2.51330306 4.3845984
 2.34343043 -3.07097628 1.18160376 -2.90488969]
 Sample 4069: [0.72283959 1.04797777 0.24977953 3.33552004 7.25281688
 -3.69160342
 3.4077711 -1.52452458 -1.17309066 -2.44970598 2.52724856 4.38335793
 2.26042241 -3.13555184 1.21352746 -2.88399955]
 Sample 4070: [0.78211101 0.99921579 0.24517498 3.34586445 7.16557103
 -3.66563064
 3.39346804 -1.46457615 -1.16254256 -2.32651008 2.50612696 4.36528428
 2.27807376 -3.03625814 1.19608801 -2.92378457]
 Sample 4071: [0.67807133 1.02682718 0.21768441 3.32158985 7.12438204
 -3.67063544
 3.38368134 -1.469646 -1.17230641 -2.28861288 2.52641235 4.46331696
 2.24122882 -3.03186516 1.32079047 -2.89237801]
 Sample 4072: [0.74236202 1.03299623 0.30313632 3.36632995 7.13812341
 -3.64959384
 3.42620438 -1.43955128 -1.19350426 -2.29749358 2.54233354 4.54453202
 2.17743658 -3.03101408 1.32120337 -2.91662868]
 Sample 4073: [0.68939269 1.0086585 0.28214095 3.38977555 7.12307705
 -3.74057761
 3.40572184 -1.42601196 -1.17570209 -2.20029889 2.4624236 4.55981313
 2.22695927 -3.03457933 1.36468208 -2.98896324]
 Sample 4074: [0.71972049 1.06012904 0.33753579 3.33818978 7.06322879
 -3.69167079
 3.44805586 -1.47972331 -1.24286553 -2.22812674 2.49640953 4.58607874
 2.14876386 -3.04025443 1.34691738 -2.9616048]

Sample 4075: [0.63661072 1.00874631 0.31321324 3.34173887 7.09807405
 -3.60561245
 3.46842219 -1.56148414 -1.32287947 -2.18058078 2.58377297 4.6024913
 2.17567223 -3.0457882 1.36266322 -3.00032124]
 Sample 4076: [0.68956195 1.04018142 0.31923743 3.3372823 7.08441899
 -3.64725535
 3.42536482 -1.58178952 -1.34410088 -2.23509731 2.58477403 4.56412187
 2.17417601 -3.01167688 1.3453112 -2.93739212]
 Sample 4077: [0.71555133 1.04147909 0.32119342 3.24329556 7.0987486
 -3.61957426
 3.55123545 -1.62430355 -1.30061133 -2.26159755 2.62780671 4.53211542
 2.18998414 -3.03057041 1.35135896 -2.93559071]
 Sample 4078: [0.68486559 1.03497112 0.29115556 3.19793604 7.05320586
 -3.61028658
 3.5572006 -1.61847246 -1.36698551 -2.22255595 2.54685389 4.56674015
 2.12997184 -2.95763657 1.26213959 -2.96341707]
 Sample 4079: [0.71183079 1.06945073 0.29051595 3.22773224 7.05291561
 -3.54051924
 3.59142779 -1.58917438 -1.41564203 -2.19813267 2.57736103 4.52133459
 2.09581439 -2.97819565 1.27832322 -2.99395323]
 Sample 4080: [0.69912075 1.13240511 0.29819161 3.26637438 7.03273208
 -3.52116466
 3.63507264 -1.60249282 -1.37319062 -2.19220232 2.64045553 4.51254127
 2.11642706 -2.99835283 1.20627607 -3.05752213]
 Sample 4081: [0.66193533 1.06606018 0.28482871 3.28698256 6.95515276
 -3.43961254
 3.64791136 -1.55593568 -1.41512431 -2.25433426 2.6340737 4.49501424
 2.10697354 -3.06753361 1.31652241 -3.01567991]
 Sample 4082: [0.67442654 1.07958275 0.29046985 3.20291453 6.93602102
 -3.39869323
 3.65388212 -1.47921663 -1.43438213 -2.30745876 2.66101227 4.52472807
 2.1042758 -3.05220796 1.32603272 -2.97247826]
 Sample 4083: [0.59350417 1.04074707 0.32843902 3.2356635 6.96552391
 -3.42769146
 3.54713995 -1.46186526 -1.45401368 -2.25444518 2.68484065 4.48249936
 2.08809792 -2.99832085 1.35270351 -2.86959415]
 Sample 4084: [0.65163934 1.12972477 0.33660856 3.23248285 6.89156788
 -3.47282799
 3.57150874 -1.46809307 -1.46879025 -2.28197996 2.70626911 4.47587115
 2.11980758 -3.04577238 1.37462816 -2.91349809]
 Sample 4085: [0.67296301 1.01332003 0.32851954 3.21453083 6.85878025
 -3.49044912
 3.63353311 -1.45269629 -1.52159281 -2.24534392 2.69530478 4.54851607
 2.13163499 -3.06131567 1.3308707 -2.92258427]
 Sample 4086: [0.67067786 1.10115928 0.28086108 3.1814515 6.78214891
 -3.42707931
 3.51012309 -1.50363706 -1.51522087 -2.26127592 2.64809731 4.57981195
 2.15378292 -3.06403604 1.33258829 -2.94522992]

Sample 4087: [0.67153375 1.05866088 0.29916138 3.17039312 6.71924635
 -3.40574641
 3.48575446 -1.52386791 -1.55916716 -2.41490576 2.6213574 4.57397187
 2.13052215 -3.05634242 1.37210667 -2.92153581]
 Sample 4088: [0.65918401 1.06593431 0.26839895 3.20832957 6.71344321
 -3.34197699
 3.4714353 -1.47517491 -1.5652343 -2.43890345 2.65224269 4.6064743
 2.05594551 -3.13798283 1.41963346 -2.8046852]
 Sample 4089: [0.64750487 1.08106257 0.28527407 3.15614533 6.60635055
 -3.37409248
 3.47731522 -1.38052698 -1.61986238 -2.33880253 2.76966878 4.59579715
 2.08148758 -3.1103103 1.50816249 -2.85106357]
 Sample 4090: [0.68664432 1.03267853 0.21987452 3.13200227 6.57687405
 -3.36235684
 3.49907469 -1.42052848 -1.55351988 -2.3947395 2.7232514 4.58966578
 2.00852421 -3.08184487 1.51857581 -2.81687582]
 Sample 4091: [0.59844241 1.08270897 0.31062939 3.18282703 6.53569261
 -3.37010871
 3.51095939 -1.35975719 -1.54754528 -2.37967318 2.72895221 4.6095391
 2.00182775 -3.07474299 1.56044218 -2.79352658]
 Sample 4092: [0.64241582 1.06484036 0.35474117 3.19411133 6.59054578
 -3.40742466
 3.56809594 -1.36586779 -1.47574225 -2.39280721 2.74033432 4.58014242
 2.04708711 -3.17497448 1.60139453 -2.83452205]
 Sample 4093: [0.64077591 1.06968682 0.23949281 3.19897697 6.6434231
 -3.37080389
 3.58240466 -1.37886447 -1.45405271 -2.40661891 2.80113893 4.65726461
 2.05145944 -3.19106923 1.59659716 -2.84904955]
 Sample 4094: [0.6186742 1.0733983 0.27920674 3.18556314 6.58110086
 -3.3340892
 3.55293775 -1.38168216 -1.45504856 -2.44628938 2.79823293 4.61128277
 2.12191578 -3.17622025 1.63181901 -2.88939004]
 Sample 4095: [0.61701395 1.05928221 0.2832308 3.18546656 6.58962381
 -3.3694917
 3.55049895 -1.39071235 -1.46808709 -2.35221843 2.81690193 4.59331826
 2.15847482 -3.24268073 1.6079197 -2.90720704]
 Sample 4096: [0.66684228 1.02448912 0.23411415 3.16388636 6.63500172
 -3.39259992
 3.50186429 -1.34999123 -1.52802494 -2.31440197 2.80120814 4.5935217
 2.15396619 -3.25790277 1.54579023 -2.87493782]
 Sample 4097: [0.65331514 1.09444285 0.26037461 3.25201475 6.49326347
 -3.42000875
 3.5220242 -1.35406443 -1.56979934 -2.29385583 2.77200306 4.63686336
 2.1194631 -3.24114668 1.53131683 -2.89562689]
 Sample 4098: [0.61329227 1.04849586 0.28678 3.30246967 6.58028836
 -3.4185429
 3.56458242 -1.36272339 -1.62460167 -2.24588873 2.81075399 4.7537283
 2.06615585 -3.27532852 1.51164059 -2.94634165]

Sample 4099: [0.67399753 1.04976995 0.30556088 3.25913572 6.57477142
 -3.36496895
 3.55881242 -1.44960723 -1.6039771 -2.1948237 2.81558173 4.70884328
 2.05664649 -3.27602971 1.52480678 -2.95386298]
 Sample 4100: [0.65445231 1.0462882 0.22617201 3.24343345 6.54469709
 -3.42078275
 3.56065426 -1.4789562 -1.5680825 -2.2302751 2.85152104 4.73246575
 2.11335918 -3.30232923 1.57129181 -2.97784505]
 Sample 4101: [0.6969332 1.08289492 0.3141289 3.24702102 6.55439278
 -3.53665953
 3.48368617 -1.48508376 -1.61235615 -2.25999263 2.82169018 4.76585383
 2.1750478 -3.36174762 1.56694798 -2.98509954]
 Sample 4102: [0.69184393 1.03992185 0.27132409 3.2519315 6.54359365
 -3.62155166
 3.46041012 -1.47270264 -1.61310972 -2.23743055 2.83275269 4.79295812
 2.04607792 -3.39646463 1.6203295 -2.92071612]
 Sample 4103: [0.73763832 1.07156738 0.26879531 3.26725921 6.45291438
 -3.61862587
 3.5162407 -1.53774587 -1.69359104 -2.21557285 2.84500836 4.81125344
 1.88708557 -3.46251 1.58781138 -2.76740289]
 Sample 4104: [0.70292687 1.07685894 0.29645578 3.26425977 6.46215503
 -3.61582911
 3.5402726 -1.5581894 -1.68449041 -2.24692421 2.81353991 4.84072505
 1.93641847 -3.38338809 1.6283994 -2.75241632]
 Sample 4105: [0.67156317 1.06118388 0.3259464 3.21128334 6.51949796
 -3.63521158
 3.47448356 -1.50364893 -1.60662506 -2.31434257 2.82609936 4.8373373
 1.87258046 -3.33104704 1.6272224 -2.86378272]
 Sample 4106: [0.69621714 1.06289744 0.34520949 3.27534706 6.49579039
 -3.60221401
 3.46373717 -1.53547023 -1.60603208 -2.21879219 2.80404911 4.82255165
 1.93292127 -3.4068742 1.64706235 -2.84660802]
 Sample 4107: [0.66801425 1.14026452 0.32775887 3.25790231 6.48201399
 -3.58183345
 3.59513576 -1.54860391 -1.6292955 -2.22322292 2.79615864 4.82979581
 1.90591797 -3.33018536 1.58455386 -2.80450506]
 Sample 4108: [0.71851674 1.03493987 0.25711198 3.3463613 6.48829139
 -3.60538319
 3.55768278 -1.55691869 -1.67249986 -2.20707173 2.83856379 4.88639921
 1.81617207 -3.34505067 1.54320206 -2.88127155]
 Sample 4109: [0.65421087 1.12935926 0.38405598 3.35904205 6.59679483
 -3.573975
 3.64805007 -1.57660613 -1.79524468 -2.14456824 2.82040637 4.82886763
 1.76777482 -3.45756409 1.51794172 -2.85335496]
 Sample 4110: [0.7205991 1.11595766 0.29942569 3.38352395 6.56071399
 -3.57435394
 3.62481576 -1.57114247 -1.83353837 -2.16586946 2.81961522 4.77689097
 1.67830373 -3.47940647 1.50550798 -2.84352039]

Sample 4111: [0.68121567 1.0966753 0.2558229 3.33238996 6.5474243
 -3.55570246
 3.62052671 -1.55231479 -1.77917668 -2.09862119 2.87766064 4.78859673
 1.69772843 -3.38645477 1.50100408 -2.85198683]
 Sample 4112: [0.71634757 1.08791628 0.31472075 3.30241523 6.56170456
 -3.56737799
 3.61749673 -1.61624595 -1.74926237 -2.07801388 2.85173282 4.83105456
 1.73303256 -3.39450287 1.49953936 -2.81349581]
 Sample 4113: [0.67197365 1.08750935 0.28779231 3.27566455 6.57004417
 -3.59522886
 3.56972831 -1.62052212 -1.69587077 -2.05977446 2.863162 4.83306691
 1.72356534 -3.44552238 1.52557554 -2.72854492]
 Sample 4114: [0.7258091 1.14439122 0.30485421 3.28190385 6.5431186
 -3.62330138
 3.65186466 -1.62334438 -1.73536585 -2.09551223 2.89706035 4.83708713
 1.76456865 -3.39547036 1.59670212 -2.70543729]
 Sample 4115: [0.69128587 1.11146676 0.2421061 3.30327298 6.59608467
 -3.61164151
 3.64863147 -1.59280085 -1.74949897 -2.02531308 2.87966825 4.86641072
 1.66025776 -3.41678484 1.52008725 -2.72165135]
 Sample 4116: [0.73621184 1.11234478 0.25532457 3.29972052 6.59646247
 -3.66049176
 3.74560244 -1.56070264 -1.66616199 -2.00193263 2.84696142 4.97082678
 1.7128021 -3.38756374 1.48476436 -2.78346897]
 Sample 4117: [0.73201742 1.1346745 0.28860915 3.32565807 6.649188
 -3.71425707
 3.67843653 -1.67126441 -1.64664119 -2.04518871 2.90130311 5.04162293
 1.72774475 -3.35562122 1.4804928 -2.70525062]
 Sample 4118: [0.73093963 1.1183085 0.32311165 3.41269044 6.64698324
 -3.72784706
 3.64219949 -1.69014288 -1.63039846 -2.01549953 2.9269257 5.02266009
 1.72300576 -3.22284934 1.42367884 -2.76051149]
 Sample 4119: [0.71612243 1.11760023 0.31323966 3.36138376 6.57573481
 -3.64291723
 3.65187716 -1.69205117 -1.65247947 -1.94372985 2.93791245 5.02934315
 1.68331047 -3.240239 1.39634832 -2.83311123]
 Sample 4120: [0.69033375 1.11204093 0.35571603 3.30767338 6.54578971
 -3.66721284
 3.60353997 -1.65504643 -1.64202004 -1.87803556 3.0098033 5.06692853
 1.67794156 -3.22158051 1.43956302 -2.88226564]
 Sample 4121: [0.71034557 1.06445947 0.31147425 3.38360938 6.53219323
 -3.59564313
 3.6095894 -1.63975408 -1.59022547 -1.91882381 3.08738694 4.96999525
 1.60793571 -3.18532964 1.45792221 -2.92808339]
 Sample 4122: [0.69922 1.13460813 0.32654169 3.42561101 6.51574488
 -3.60553594
 3.61279965 -1.59312772 -1.54364748 -1.96232564 3.10577585 4.87868704
 1.63538673 -3.13830336 1.46783121 -2.87055767]

Sample 4123: [0.68781496 1.09994462 0.35740082 3.44256634 6.54001871
 -3.61702764
 3.46678996 -1.5912351 -1.48578333 -2.03081021 3.09691193 4.84015732
 1.65772995 -3.26037315 1.44898342 -2.93744255]
 Sample 4124: [0.69708991 1.07464085 0.3226371 3.40862197 6.58372073
 -3.61319571
 3.50056345 -1.70396281 -1.56290285 -2.00737246 3.09412031 4.82856884
 1.68315766 -3.30530272 1.39895648 -2.96596879]
 Sample 4125: [0.70209968 1.01529236 0.35512787 3.48282295 6.60469681
 -3.63207726
 3.43595791 -1.67876664 -1.58136856 -2.10673387 3.13287041 4.88706037
 1.60848896 -3.42328321 1.46798172 -2.89380351]
 Sample 4126: [0.70084304 1.04560757 0.32561855 3.47865701 6.66043597
 -3.63453107
 3.37691885 -1.67678555 -1.59088817 -2.15297347 3.20750032 4.85915334
 1.69516235 -3.37456961 1.45370101 -2.97310618]
 Sample 4127: [0.69586657 1.02259775 0.35939553 3.46850545 6.69702733
 -3.55425648
 3.35083485 -1.71137862 -1.59555249 -2.20388776 3.19844663 4.81504739
 1.7697892 -3.30865644 1.49611423 -2.91934789]
 Sample 4128: [0.64567081 1.02711706 0.40950597 3.48098134 6.69543163
 -3.52387506
 3.3365405 -1.68799946 -1.64498489 -2.23835938 3.14887225 4.86845572
 1.70652773 -3.29790817 1.44070686 -2.92806837]
 Sample 4129: [0.69186966 1.01756203 0.38919647 3.47514287 6.69722588
 -3.5676992
 3.42107661 -1.77929823 -1.607353 -2.1842738 3.13803623 4.87061089
 1.68119615 -3.28740732 1.51104284 -2.94404005]
 Sample 4130: [0.69490915 1.0927859 0.3043724 3.41484348 6.79309402
 -3.55792878
 3.45278604 -1.81309695 -1.72010005 -2.13265789 3.07188478 4.94268128
 1.62770321 -3.32558337 1.4639975 -2.95972247]
 Sample 4131: [0.71122428 1.01585191 0.30239588 3.35653389 6.7772954
 -3.55074581
 3.45906519 -1.79965086 -1.69345181 -2.1793045 3.07569806 4.91275775
 1.57987939 -3.38226777 1.50219906 -2.98452903]
 Sample 4132: [0.68860204 1.0517581 0.35083007 3.32281251 6.76723828
 -3.53644706
 3.38746821 -1.80431646 -1.6485471 -2.28637259 3.06653774 4.84858741
 1.57561066 -3.40197712 1.48646234 -3.03599117]
 Sample 4133: [0.67840505 1.0131552 0.32726317 3.32228119 6.77666331
 -3.45804372
 3.43659598 -1.72865504 -1.70324972 -2.23373765 3.06095895 4.82042288
 1.5094171 -3.45573717 1.48985863 -2.96953404]
 Sample 4134: [0.66532921 1.04193856 0.34349542 3.28279393 6.76248075
 -3.47408539
 3.46809539 -1.7562166 -1.74535172 -2.23980178 2.98791416 4.83213156
 1.49571404 -3.44272174 1.45936451 -2.95801731]

Sample 4135: [0.65445746 1.05942652 0.35397362 3.26813857 6.71074274
 -3.36612536
 3.51711547 -1.67577176 -1.75469895 -2.22528983 3.03989995 4.81420038
 1.55697171 -3.46991804 1.37636548 -2.92259577]
 Sample 4136: [0.6309048 1.09596913 0.33211666 3.28848384 6.6964251
 -3.31482546
 3.58375517 -1.66632929 -1.78778643 -2.22820116 3.01992037 4.72556039
 1.55600576 -3.47718983 1.33481733 -2.88331948]
 Sample 4137: [0.63933601 1.08563292 0.32575362 3.32175781 6.73360389
 -3.27739721
 3.61180479 -1.59453312 -1.79296098 -2.21686889 3.01453175 4.71673099
 1.47452526 -3.47950667 1.32566821 -2.86410449]
 Sample 4138: [0.62758136 1.02456243 0.34058892 3.42626869 6.77552482
 -3.31321272
 3.47574076 -1.5363879 -1.83507485 -2.28278957 2.97379958 4.74166795
 1.46201275 -3.51339273 1.31146325 -2.84749794]
 Sample 4139: [0.66201908 1.05767819 0.22639982 3.41495627 6.84964843
 -3.31596995
 3.5004941 -1.47508283 -1.83318614 -2.28459634 2.94398555 4.64012039
 1.5136264 -3.51909341 1.37230888 -2.85654064]
 Sample 4140: [0.6442299 1.02741944 0.21607438 3.44263027 6.78905427
 -3.28596972
 3.48141681 -1.40760017 -1.8507456 -2.31546236 3.03733061 4.60842234
 1.49613865 -3.59056551 1.45863531 -2.79858721]
 Sample 4141: [0.67532705 1.06937067 0.25337234 3.36489512 6.80199095
 -3.27195999
 3.41455957 -1.4020194 -1.85477895 -2.3631506 3.0393087 4.56685348
 1.53182391 -3.50191761 1.47210864 -2.88111393]
 Sample 4142: [0.60381291 1.01390131 0.2588878 3.29298274 6.83299993
 -3.27085365
 3.44750751 -1.40383555 -1.85198067 -2.33228525 3.08743067 4.58723978
 1.57261406 -3.47106713 1.4339935 -2.87420146]
 Sample 4143: [0.67414236 1.02658442 0.21223892 3.40211034 6.80380571
 -3.23811657
 3.4118216 -1.41765934 -1.899039 -2.30927562 3.09567717 4.53347492
 1.50165233 -3.45878735 1.36480942 -2.8923259]
 Sample 4144: [0.61154391 1.06591877 0.22427228 3.3412677 6.77461642
 -3.30578135
 3.47705437 -1.40494179 -1.833835 -2.3027019 3.0325793 4.5209906
 1.45931779 -3.44542273 1.37167051 -2.8152606]
 Sample 4145: [0.70290412 1.01667588 0.22290927 3.33054906 6.78564305
 -3.37196205
 3.41148919 -1.35217212 -1.80064393 -2.28998905 3.10119724 4.51919248
 1.44583485 -3.45529547 1.36977372 -2.84452397]
 Sample 4146: [0.62906058 1.02229527 0.23090635 3.458504 6.79252877
 -3.42097107
 3.38354738 -1.36545234 -1.79389891 -2.24936468 3.07899272 4.53243023
 1.49813923 -3.34842937 1.39944833 -2.87406424]

Sample 4147: [0.68223508 1.03437888 0.28439139 3.43179967 6.74972873
 -3.4508813
 3.25354154 -1.37396071 -1.81121882 -2.1993331 3.06326366 4.50693205
 1.48326498 -3.36597761 1.29032749 -2.78503146]
 Sample 4148: [0.64720483 1.036124 0.29003209 3.4323984 6.77708732
 -3.4355821
 3.38019857 -1.31691648 -1.91234275 -2.23422416 3.08981633 4.52721454
 1.47646575 -3.30129605 1.19914956 -2.6988313]
 Sample 4149: [0.65578938 1.02979014 0.26258378 3.36357321 6.80964903
 -3.44348421
 3.40024999 -1.31969813 -1.80995024 -2.22628455 3.07904912 4.61689525
 1.4422962 -3.26507966 1.1948213 -2.70577011]
 Sample 4150: [0.69164261 1.06554035 0.24126072 3.43594896 6.82184539
 -3.45584885
 3.45051532 -1.30169436 -1.84068065 -2.26007523 3.09092666 4.64059996
 1.41525805 -3.26115928 1.20370373 -2.73592119]
 Sample 4151: [0.66315085 1.08643199 0.2549637 3.41201384 6.86591754
 -3.49269885
 3.4904359 -1.30020995 -1.89128308 -2.36914829 3.04336326 4.6634356
 1.39218825 -3.23111505 1.23871997 -2.72563782]
 Sample 4152: [0.67713204 0.99707432 0.20457145 3.49705261 6.91110049
 -3.46437651
 3.41099366 -1.30501907 -1.82091404 -2.51924896 3.06230961 4.70519982
 1.43591983 -3.2300454 1.24524696 -2.64819454]
 Sample 4153: [0.7067812 1.08063654 0.22085875 3.45573897 6.98865292
 -3.51221543
 3.41991932 -1.36831126 -1.7647463 -2.47564277 3.0429261 4.66461023
 1.4949113 -3.15970303 1.22944732 -2.71123511]
 Sample 4154: [0.68630299 1.0421522 0.21404035 3.33040107 6.91474783
 -3.53891826
 3.43354096 -1.40604537 -1.84734804 -2.48476691 3.01276783 4.57604941
 1.50797979 -3.0874283 1.14950647 -2.68754381]
 Sample 4155: [0.70541049 1.0988187 0.24994499 3.31087809 6.89659269
 -3.54050105
 3.40509781 -1.34892029 -1.8055068 -2.50954003 3.00655044 4.5708571
 1.49669177 -3.04154761 1.18208992 -2.68777416]
 Sample 4156: [0.67862044 1.01508344 0.24349805 3.15228556 6.82320576
 -3.6251532
 3.48418059 -1.35965697 -1.78776706 -2.54687848 3.02260862 4.78665725
 1.47358769 -3.07794489 1.16676552 -2.64223945]
 Sample 4157: [0.76052585 1.10336395 0.17532723 3.07620565 6.72046997
 -3.64304126
 3.3994344 -1.31124832 -1.79407571 -2.50794798 3.0454289 4.83741833
 1.52104505 -3.0417274 1.16870305 -2.69616409]
 Sample 4158: [0.67764038 1.05723764 0.21941331 2.99385671 6.70604627
 -3.60205748
 3.49438007 -1.35484599 -1.78830331 -2.51338511 3.09240963 4.8998607
 1.50603983 -3.03760671 1.17745554 -2.70591926]

Sample 4159: [0.69434543 1.07336467 0.26046646 2.91906263 6.71809033
 -3.55512097
 3.52819608 -1.41512506 -1.72183133 -2.49322756 3.0981771 4.92547313
 1.49512835 -3.17080485 1.24782239 -2.67396421]
 Sample 4160: [0.70315063 1.0700783 0.22069914 2.99804275 6.679513
 -3.52451784
 3.4985079 -1.380392 -1.77391215 -2.53824895 3.09533733 4.86715702
 1.5066487 -3.24511563 1.24769683 -2.67986692]
 Sample 4161: [0.69234325 1.06441631 0.20797523 3.05181475 6.71820479
 -3.50979743
 3.45114273 -1.45220264 -1.75147578 -2.58062627 3.05642143 4.98136935
 1.4723775 -3.23667074 1.20747768 -2.68615133]
 Sample 4162: [0.68960433 1.07163806 0.24775936 3.06375395 6.76079314
 -3.49330718
 3.53781074 -1.46357716 -1.75544699 -2.7103309 2.984824 4.9799425
 1.49264772 -3.19815217 1.24846003 -2.64777141]
 Sample 4163: [0.68132447 1.11252633 0.2223206 3.06156381 6.75957681
 -3.4982929
 3.49837978 -1.36680224 -1.68648238 -2.64046918 2.97021427 4.96040247
 1.57812602 -3.13569872 1.18777275 -2.66742238]
 Sample 4164: [0.69056568 1.0817048 0.24777117 2.98139267 6.72074624
 -3.45572568
 3.52310578 -1.38142313 -1.69682102 -2.47943751 3.07047825 4.92918614
 1.62930666 -3.13494727 1.25903019 -2.76740292]
 Sample 4165: [0.67173389 1.11128206 0.20689913 3.02050053 6.71341472
 -3.45162193
 3.61945731 -1.31982236 -1.75686303 -2.51451375 3.03775861 4.93915367
 1.63047072 -3.13067025 1.26422646 -2.7693928]
 Sample 4166: [0.69146653 1.11322476 0.20119688 3.02564008 6.80289209
 -3.44472734
 3.65207326 -1.31679567 -1.75944559 -2.51153913 3.10082356 5.01016459
 1.62713929 -3.19377931 1.23740725 -2.85891383]
 Sample 4167: [0.65894625 1.19764801 0.23718714 2.94530117 6.73350013
 -3.42039456
 3.62932086 -1.2904592 -1.75971467 -2.50926001 3.13236701 5.00031977
 1.6616134 -3.15563133 1.23152567 -2.81117846]
 Sample 4168: [0.67187986 1.14657914 0.23627997 2.97238877 6.7487673
 -3.43603146
 3.60116372 -1.26509015 -1.79118196 -2.42797776 3.11396852 4.99380591
 1.76705372 -3.25830176 1.1820437 -2.89504009]
 Sample 4169: [0.66468015 1.07981552 0.24656143 3.02839871 6.74992918
 -3.42915035
 3.58420632 -1.23812453 -1.71376165 -2.39023403 3.09577508 5.06458116
 1.79306581 -3.33193519 1.22048196 -2.92968859]
 Sample 4170: [0.67382812 1.08483583 0.2376121 3.03638176 6.74700087
 -3.44954815
 3.56755226 -1.25766364 -1.70098939 -2.48464579 3.18102407 4.9965402
 1.82463513 -3.23192011 1.16045836 -3.04415561]

Sample 4171: [0.67065201 1.02374684 0.2509166 3.0663827 6.72311077
 -3.34828104
 3.50936249 -1.27685919 -1.61598432 -2.46984776 3.22921308 4.94250376
 1.87673649 -3.2216599 1.15550584 -2.96737432]
 Sample 4172: [0.66484808 1.08268297 0.14630533 3.14705845 6.78759195
 -3.36934835
 3.48357175 -1.31509247 -1.70285721 -2.46157137 3.28648202 4.85747418
 1.86635789 -3.26612539 1.15800381 -2.96345602]
 Sample 4173: [0.65310536 1.02936048 0.12978629 3.14056512 6.80139137
 -3.328064
 3.44668399 -1.26543738 -1.71210513 -2.51698943 3.33377606 4.87571341
 2.05062416 -3.26333443 1.25811185 -2.97989742]
 Sample 4174: [0.65965082 1.07521602 0.14734841 3.201578 6.76675624
 -3.32789279
 3.51942619 -1.31887005 -1.71976092 -2.49594173 3.33925415 4.94872112
 2.07591865 -3.2645644 1.2592518 -3.02878176]
 Sample 4175: [0.66058008 1.04384503 0.21424836 3.20965108 6.86239294
 -3.32388522
 3.55997206 -1.39236014 -1.75005903 -2.53443115 3.30455936 4.94625239
 2.08366095 -3.18790924 1.2757017 -3.0691786]
 Sample 4176: [0.66180489 1.07779661 0.23573054 3.20101653 6.79879376
 -3.35700082
 3.58896123 -1.42509162 -1.83117425 -2.52202303 3.25143704 4.96418148
 1.95133193 -3.20002803 1.29950763 -3.07731844]
 Sample 4177: [0.66454357 1.06940749 0.2725312 3.19379767 6.84854125
 -3.33991033
 3.58859402 -1.47353652 -1.8734872 -2.49646717 3.17377676 4.92870699
 1.90003319 -3.26875932 1.36109871 -3.13407543]
 Sample 4178: [0.60005911 1.05142898 0.29483558 3.19000572 6.89500435
 -3.23796762
 3.59877055 -1.51937741 -1.84204176 -2.57833486 3.19806725 5.00625345
 1.89859592 -3.28584155 1.43715406 -3.11793681]
 Sample 4179: [0.65616811 1.07615247 0.25139167 3.171045 6.85615759
 -3.20645198
 3.62611366 -1.57005707 -1.87041276 -2.60331222 3.1965169 4.97768743
 1.8209867 -3.32469305 1.3916506 -3.06097053]
 Sample 4180: [0.62384885 1.06975806 0.21779508 3.11274371 6.83010919
 -3.23080958
 3.59065438 -1.49984869 -1.8662957 -2.58380411 3.13703069 4.88815062
 1.85763831 -3.26783375 1.42485754 -3.05495856]
 Sample 4181: [0.65731643 1.08395645 0.2351832 3.07919455 6.77226558
 -3.21037334
 3.63476311 -1.47377161 -1.86607457 -2.6048147 3.09011263 4.88434185
 1.83602672 -3.27262804 1.54577409 -3.03003563]
 Sample 4182: [0.58009775 1.06278692 0.32096832 3.01303656 6.81782044
 -3.10875254
 3.64752633 -1.42479059 -1.91844942 -2.59333072 3.10286697 4.92257167
 1.89115967 -3.26117344 1.5830683 -2.97992974]

Sample 4183: [0.58342721 1.12079809 0.29157479 2.96974073 6.91587975
 -3.03707794
 3.61466586 -1.40566768 -1.91854898 -2.64313867 3.08261669 4.86358085
 1.8851364 -3.27661214 1.60341378 -2.98574137]
 Sample 4184: [0.61222996 1.08815004 0.22137449 3.01395019 6.81648836
 -3.02565812
 3.59085226 -1.39492608 -1.93414819 -2.65971208 3.02577206 4.83333647
 1.82866644 -3.28864082 1.55224902 -3.00262565]
 Sample 4185: [0.58191124 1.06862635 0.21534491 3.1037577 6.6482096
 -3.0077704
 3.60249516 -1.4028011 -1.94451364 -2.67096807 3.00390536 4.84963405
 1.91000781 -3.25894447 1.57003054 -3.04767266]
 Sample 4186: [0.59165672 1.06424119 0.23039996 3.11875315 6.72226849
 -2.92558214
 3.53251635 -1.42387756 -2.01959627 -2.63469592 3.10321261 4.81990535
 1.90021081 -3.23569414 1.66735493 -3.07679086]
 Sample 4187: [0.55134508 1.01958246 0.19120477 3.08249316 6.79500411
 -2.92166913
 3.554221 -1.31979126 -2.06202785 -2.64573868 3.05979173 4.76759958
 1.89678089 -3.2512788 1.70610086 -3.03477187]
 Sample 4188: [0.5885726 1.12939585 0.18918669 3.01976549 6.74990803
 -2.83509218
 3.6044049 -1.28118467 -2.06540755 -2.66676301 3.10261746 4.78012612
 1.87471814 -3.18888034 1.72452615 -2.9596938]
 Sample 4189: [0.54342386 1.04489671 0.23278586 2.9591932 6.7210341
 -2.95337453
 3.60971147 -1.33668248 -2.15074528 -2.65120512 3.04733117 4.75260598
 1.84398884 -3.13617465 1.69508713 -2.96617022]
 Sample 4190: [0.6313075 1.06877509 0.23531221 2.90744265 6.66034765
 -3.04803376
 3.59793932 -1.33607781 -2.10824232 -2.59137446 3.0094784 4.73475868
 1.81256184 -3.07701585 1.76824336 -3.06525599]
 Sample 4191: [0.54939318 1.0918278 0.31945093 2.92088065 6.65450871
 -3.0045369
 3.5916195 -1.3473852 -2.12442973 -2.6409155 3.01325939 4.71729748
 1.77895716 -3.06085683 1.79211817 -3.0651504]
 Sample 4192: [0.54844002 1.137967 0.29478704 2.90180443 6.73500417
 -3.00329204
 3.71224236 -1.22029721 -2.08725641 -2.58769923 2.96715046 4.72565952
 1.773747 -2.96968249 1.77190285 -3.00753195]
 Sample 4193: [0.56723836 1.06976173 0.27819621 2.83120399 6.8334274
 -2.98439242
 3.65688918 -1.15943569 -2.07494535 -2.56934347 2.98215592 4.76346561
 1.83077708 -2.96116753 1.7819924 -2.98257212]
 Sample 4194: [0.54276569 1.07795389 0.26475362 2.77495498 6.82965128
 -2.91131887
 3.68850486 -1.08010199 -2.17254864 -2.57924535 3.00019154 4.78251057
 1.83756851 -2.9723323 1.84849212 -2.99721821]

Sample 4195: [0.56790905 1.07738836 0.23521401 2.91535356 6.81696627
 -2.98514526
 3.66374939 -1.23740759 -2.22603098 -2.5265584 2.94582658 4.82672148
 1.78187017 -2.87917988 1.91075826 -2.97884183]
 Sample 4196: [0.5608271 1.09094611 0.18513505 2.89147462 6.828522
 -2.96104935
 3.59310781 -1.24119607 -2.24387989 -2.4624163 2.8774086 4.93439711
 1.79814574 -2.91265677 1.94067133 -2.9873402]
 Sample 4197: [0.57353044 1.05597085 0.1527624 2.88382003 6.86019653
 -2.89402592
 3.5961888 -1.24312783 -2.21855608 -2.43346985 2.91495769 4.86110494
 1.72503563 -2.85550122 2.00195913 -2.95280189]
 Sample 4198: [0.54989818 1.09775215 0.19549095 2.92562217 6.94766523
 -2.82384622
 3.56598451 -1.28242187 -2.29139307 -2.37655154 2.84609721 4.85944411
 1.77919604 -2.82313703 2.00194879 -3.00061413]
 Sample 4199: [0.51508813 1.07314931 0.25240493 2.90671691 6.9347467
 -2.80338214
 3.55931384 -1.17979179 -2.29901016 -2.40443639 2.86870842 4.86890689
 1.71013637 -2.77940399 1.89075395 -3.04359211]
 Sample 4200: [0.52988353 1.02914125 0.26738996 2.89312315 6.9535695
 -2.71433925
 3.43875179 -1.19429816 -2.31724212 -2.38415425 2.8637612 4.84694775
 1.7872796 -2.83483627 1.82524534 -3.09489418]
 Sample 4201: [0.47333108 1.04142525 0.29085602 2.89200799 7.00659661
 -2.67761877
 3.44439099 -1.23368615 -2.30665963 -2.40308911 2.94832804 4.82013734
 1.89929292 -2.85414404 1.79886351 -3.04058207]
 Sample 4202: [0.50528756 1.07759683 0.29989556 2.9195169 6.9897519
 -2.7399261
 3.49231491 -1.25056396 -2.28497909 -2.42578738 2.88136548 4.79679547
 1.89066746 -2.88156663 1.83025166 -3.02369914]
 Sample 4203: [0.50687511 1.0324127 0.29879253 2.94231554 7.00543901
 -2.70355816
 3.50286115 -1.29187824 -2.29317956 -2.44889102 2.8982314 4.90872307
 1.84196907 -2.89092692 1.87909924 -3.04919191]
 Sample 4204: [0.48631638 1.07025571 0.29809549 2.98319018 7.0899744
 -2.6088385
 3.53584051 -1.28203144 -2.32871677 -2.39367235 2.89593859 4.87001386
 1.88125505 -2.94646158 1.868608 -3.02364311]
 Sample 4205: [0.47825257 1.07036168 0.28299486 2.97404531 7.07098243
 -2.59562662
 3.41876442 -1.23739702 -2.28520947 -2.21896584 2.8888557 4.74873086
 1.95019056 -2.93935161 1.80476423 -3.10802817]
 Sample 4206: [0.4289249 1.0122257 0.27283828 2.95512513 7.09712343
 -2.4894518
 3.47795567 -1.29282367 -2.32821577 -2.14938962 2.91364563 4.67921941
 1.90708578 -2.90796207 1.80352755 -3.05392891]

Sample 4207: [0.46344061 1.03687309 0.29868489 2.94712295 7.08841258
 -2.53602816
 3.48598868 -1.32082318 -2.25490678 -2.13419631 2.89606351 4.77045011
 2.0090964 -2.91654668 1.89114457 -3.14421499]
 Sample 4208: [0.45082113 1.03511042 0.36661205 2.96495284 7.12932503
 -2.49120047
 3.54141755 -1.34090163 -2.29083033 -2.17386815 2.9307756 4.84091303
 2.02927201 -2.90654617 1.78526499 -3.15844262]
 Sample 4209: [0.49634414 1.03685854 0.27966215 3.00593589 7.14446825
 -2.56607949
 3.55977777 -1.37329847 -2.33685978 -2.25807128 2.97196626 4.79107615
 2.07332806 -2.89028174 1.7300627 -3.17824082]
 Sample 4210: [0.49260517 1.01055754 0.27156139 3.01121984 7.09229127
 -2.50045165
 3.5695083 -1.35598238 -2.33095399 -2.25762273 2.95999316 4.76662249
 2.01647504 -2.9546671 1.79817315 -3.21997626]
 Sample 4211: [0.51014371 1.05055743 0.26420958 2.92732613 7.1207513
 -2.51970074
 3.58380636 -1.41097658 -2.41218439 -2.24433832 3.07004455 4.77394144
 2.04767275 -3.02362424 1.80817138 -3.25935127]
 Sample 4212: [0.47694497 1.05104374 0.21086409 2.92845869 7.11914013
 -2.49639499
 3.59578225 -1.46151701 -2.39704895 -2.26094816 3.05696306 4.75175917
 2.03210809 -3.03061003 1.73365856 -3.27615387]
 Sample 4213: [0.49564375 1.03488502 0.23955549 2.85930634 7.12237429
 -2.51854608
 3.59811371 -1.48937394 -2.46996448 -2.36672785 3.06617958 4.76310985
 2.03426124 -2.97901289 1.77520635 -3.23781068]
 Sample 4214: [0.52624051 1.11102608 0.26834 2.88196456 7.19966698
 -2.54095708
 3.64452723 -1.54030441 -2.47240146 -2.41641408 3.06348281 4.76804907
 2.04124945 -3.03840648 1.70600715 -3.21678908]
 Sample 4215: [0.46281118 1.0445524 0.27805999 2.92118068 7.12694953
 -2.50815594
 3.69921653 -1.48629357 -2.41896486 -2.37147516 3.02568496 4.77743992
 2.02449995 -3.02042337 1.60032032 -3.22765917]
 Sample 4216: [0.4645089 1.1194976 0.28094525 2.96700877 7.13220278
 -2.47755767
 3.70880743 -1.42236737 -2.44788324 -2.38256405 2.9323552 4.83221124
 2.00539504 -3.03828139 1.46566109 -3.19266866]
 Sample 4217: [0.47842458 1.0693231 0.2778595 2.96019155 7.23504343
 -2.43468955
 3.76381715 -1.36505356 -2.35380805 -2.38319485 2.85222143 4.83276499
 1.99443532 -3.02527888 1.51693409 -3.20200456]
 Sample 4218: [0.40178308 1.066948 0.31139287 2.94556712 7.25109347
 -2.37785901
 3.6748887 -1.44488943 -2.36392149 -2.26909184 2.781526 4.75789367
 2.12676811 -3.01984404 1.51862648 -3.14240875]

Sample 4219: [0.41486875 1.09696364 0.28523961 2.95047533 7.18580117
 -2.39776725
 3.63759393 -1.44927461 -2.38041383 -2.21764994 2.82463436 4.703063
 2.17254748 -2.93222343 1.4250982 -3.13119426]
 Sample 4220: [0.36785899 1.05230431 0.30102076 2.99131432 7.15061018
 -2.42173957
 3.64792538 -1.51159294 -2.39713156 -2.36026651 2.98673023 4.61002574
 2.24879481 -3.02735748 1.43583619 -3.08844976]
 Sample 4221: [0.38924343 1.03493047 0.32510724 2.97118619 7.13694248
 -2.43890549
 3.50612335 -1.5300922 -2.39013406 -2.40672513 3.05076767 4.54606468
 2.28912545 -2.90995338 1.38034478 -3.12821026]
 Sample 4222: [0.37260483 1.03787283 0.3600962 2.94744463 7.11980149
 -2.35185404
 3.51334032 -1.52226261 -2.32635292 -2.45811704 3.07442727 4.53625435
 2.29441077 -2.91961999 1.41208802 -3.07682428]
 Sample 4223: [0.40621772 1.01862803 0.36431428 2.94260417 7.12934069
 -2.33913029
 3.50906389 -1.50985778 -2.28316298 -2.31579796 3.0324149 4.5595943
 2.29314396 -2.87281278 1.44044565 -3.08711728]
 Sample 4224: [0.44218242 1.01590933 0.4038181 3.06679908 7.1005838
 -2.39459533
 3.40481687 -1.60519626 -2.29902587 -2.32268892 3.07204807 4.57246101
 2.28344945 -3.0004127 1.50626983 -3.06331057]
 Sample 4225: [0.38420563 1.04602968 0.3905321 3.10912547 7.10682643
 -2.33388704
 3.4813642 -1.6486446 -2.26047304 -2.28910751 2.96168074 4.55945637
 2.3079412 -2.98911467 1.55967149 -3.09661472]
 Sample 4226: [0.35574184 1.04667908 0.36529953 3.20137123 7.09373839
 -2.22503229
 3.55061863 -1.69284281 -2.28324309 -2.31164983 2.94816946 4.54811756
 2.27484398 -2.96773758 1.55915582 -3.12747827]
 Sample 4227: [0.35328985 1.03220085 0.35603244 3.16119428 7.02597426
 -2.27074788
 3.52260199 -1.66385398 -2.2620866 -2.41002302 2.92346954 4.50639936
 2.22755088 -2.8971861 1.5644053 -3.06876187]
 Sample 4228: [0.41532854 1.04107467 0.29771621 3.21852503 7.00075774
 -2.24560003
 3.53558931 -1.72250022 -2.27514586 -2.43419674 2.89040465 4.52675175
 2.26113447 -2.97618216 1.56552033 -3.06478465]
 Sample 4229: [0.448787 1.03693244 0.30345736 3.27530715 7.05201837
 -2.22004653
 3.50303742 -1.72316708 -2.18932462 -2.38895845 2.85836724 4.60432933
 2.22841454 -2.8905432 1.41927008 -3.08989231]
 Sample 4230: [0.42909357 1.06995907 0.30429627 3.28353034 6.90081341
 -2.24966053
 3.51538474 -1.79566038 -2.19318429 -2.34310033 2.81139251 4.56482787
 2.24964554 -2.84205979 1.37383811 -3.09988375]

Sample 4231: [0.44088116 1.04077774 0.27012446 3.24499094 6.83547893
 -2.32250606
 3.53278415 -1.81469541 -2.15273623 -2.30784231 2.84407375 4.49213469
 2.20074083 -2.89396644 1.47598455 -3.05324413]
 Sample 4232: [0.466603 1.06003734 0.31505 3.25461252 6.86545377
 -2.44201248
 3.52423619 -1.80086609 -2.21891268 -2.31153093 2.9378036 4.53536409
 2.1944496 -2.94268022 1.49545735 -3.05946895]
 Sample 4233: [0.51596774 1.00714895 0.27935459 3.19950229 6.84750731
 -2.3931625
 3.53308106 -1.80918026 -2.12993738 -2.31497324 2.87435067 4.51618332
 2.27352885 -2.92341648 1.49393868 -3.11330396]
 Sample 4234: [0.4183474 1.03426007 0.30030842 3.16439931 6.96089749
 -2.43798534
 3.50152004 -1.81647195 -2.06859028 -2.22885052 2.84898223 4.55795019
 2.35566283 -2.98578256 1.44671344 -3.05835739]
 Sample 4235: [0.49075705 1.05198399 0.25127714 3.15744487 6.94184171
 -2.40615011
 3.47692001 -1.76293538 -2.08259652 -2.17126719 2.85327388 4.57829116
 2.4118623 -3.07149548 1.48104979 -3.04191563]
 Sample 4236: [0.54347094 1.05710504 0.28807078 3.1433072 6.89118308
 -2.45493882
 3.50358655 -1.76259209 -2.06166998 -2.19217656 2.8488968 4.59616672
 2.3951702 -3.08679666 1.52991913 -3.00378669]
 Sample 4237: [0.49533096 1.0345639 0.25158589 3.15946899 6.90406287
 -2.4442158
 3.47528747 -1.70905436 -2.03642043 -2.13354687 2.82079466 4.67238728
 2.44916442 -3.04745555 1.57311958 -3.07096047]
 Sample 4238: [0.47240572 1.02250725 0.25480362 3.09837803 6.95814986
 -2.42153746
 3.52322038 -1.70029454 -2.03778114 -2.19618842 2.83769583 4.64873009
 2.49592561 -3.1335882 1.58053342 -3.12947153]
 Sample 4239: [0.50556259 1.0442756 0.27631976 3.0620178 7.00624033
 -2.42853355
 3.56405743 -1.84178905 -2.00700839 -2.21248944 2.84277286 4.67192505
 2.49637295 -3.156106 1.50208297 -3.16041138]
 Sample 4240: [0.49825793 1.04978465 0.28196087 2.9750496 6.97604423
 -2.45288828
 3.56716758 -1.87196045 -1.99985838 -2.20963096 2.83904321 4.58583924
 2.36319384 -3.14480807 1.51927483 -3.21138884]
 Sample 4241: [0.5185807 1.01693375 0.3120692 2.93110565 6.97928329
 -2.41628602
 3.54165077 -1.83591505 -1.89199759 -2.18028303 2.79104018 4.47255114
 2.43206272 -3.15985008 1.56068659 -3.17810884]
 Sample 4242: [0.46992804 1.01014597 0.27081048 3.00146182 7.02348404
 -2.39499444
 3.53328296 -1.88135782 -1.88701428 -2.19072314 2.78506688 4.44270975
 2.48047947 -3.18075701 1.52014406 -3.15315652]

Sample 4243: [0.49286579 1.01240222 0.32144336 3.03262031 7.02800422
 -2.35088227
 3.45871494 -1.90764682 -1.72710162 -2.20184042 2.75518805 4.47813708
 2.46038461 -3.19893336 1.52356754 -3.04902648]
 Sample 4244: [0.49547954 1.07971633 0.27131772 2.96726787 7.10911546
 -2.32871657
 3.54199494 -1.90621424 -1.69116416 -2.20849113 2.71875712 4.55318755
 2.4452367 -3.26496152 1.58152883 -3.13354541]
 Sample 4245: [0.44180419 1.02999195 0.38269142 2.94999227 7.1049907
 -2.33553625
 3.55104731 -1.97229814 -1.7095068 -2.22419139 2.64207323 4.6302192
 2.45181885 -3.33153578 1.61774495 -3.2543117]
 Sample 4246: [0.47522023 1.03273589 0.34005402 2.96462608 7.10262949
 -2.42020717
 3.6094743 -1.93029377 -1.79796294 -2.18919543 2.72219195 4.59749943
 2.48001412 -3.32720232 1.64208449 -3.3319613]
 Sample 4247: [0.46069443 1.03228793 0.40077334 3.01023204 7.11783812
 -2.54597197
 3.58066469 -1.94034279 -1.84733484 -2.18585991 2.65511879 4.65840484
 2.51573364 -3.34343989 1.63847208 -3.28357209]
 Sample 4248: [0.44911193 1.03920553 0.43478325 2.88818845 7.17286551
 -2.50132149
 3.52198887 -1.94273443 -1.81430195 -2.07971941 2.68156788 4.62803942
 2.46613473 -3.34302059 1.5760213 -3.17024169]
 Sample 4249: [0.46199697 1.04614985 0.38284683 2.97441426 7.23294435
 -2.47253672
 3.60564446 -1.98342476 -1.87927662 -2.03663992 2.75431245 4.66467727
 2.43390395 -3.40567587 1.56665395 -3.12312706]
 Sample 4250: [0.47054685 1.06921932 0.44288378 2.97566943 7.20842277
 -2.53865583
 3.62694275 -2.0799509 -1.85825636 -2.03428054 2.6788189 4.60275589
 2.42499378 -3.3551 1.51448887 -3.14823791]
 Sample 4251: [0.40735692 1.0984267 0.40921094 2.90717967 7.10893288
 -2.55382737
 3.69374721 -2.12997176 -1.90302752 -2.03282268 2.65989823 4.63613857
 2.44408525 -3.40163414 1.52657923 -3.10270829]
 Sample 4252: [0.50409132 1.05631124 0.44783083 2.88689741 7.1370273
 -2.60190971
 3.70307785 -2.04627013 -1.84357536 -2.1271923 2.69624142 4.59733824
 2.42630499 -3.39226532 1.46721864 -3.11253674]
 Sample 4253: [0.42622548 1.08198378 0.43269068 2.84708613 6.99918499
 -2.64193201
 3.66019777 -2.01708893 -1.89000748 -2.09720949 2.75065282 4.49374338
 2.37349576 -3.4269457 1.48111336 -3.16945322]
 Sample 4254: [0.50779801 1.03293811 0.46014005 2.86468539 7.09262977
 -2.61141469
 3.67908936 -2.0903836 -1.83749442 -2.13512185 2.72501355 4.49961379
 2.32798913 -3.31741726 1.50813396 -3.20164229]

Sample 4255: [0.46083248 1.1061923 0.4243104 2.88138957 7.08676049
 -2.60252563
 3.7493406 -2.11259805 -1.88291064 -2.06766301 2.78752058 4.4767949
 2.32884845 -3.2858147 1.52629971 -3.21242288]
 Sample 4256: [0.4641761 1.05385446 0.45540666 2.8996852 7.0833267
 -2.60969615
 3.77642391 -2.14997696 -1.98828091 -2.07564738 2.82522423 4.51111814
 2.32921514 -3.28639588 1.54034206 -3.21784349]
 Sample 4257: [0.48090905 1.11567361 0.50807768 2.87845355 7.11996838
 -2.59543911
 3.76138377 -2.19283299 -1.9974778 -2.14235102 2.81810819 4.53681212
 2.27219586 -3.25549303 1.55871962 -3.1193764]
 Sample 4258: [0.44766907 1.07974547 0.46707529 2.83911686 7.08560145
 -2.59595372
 3.73222285 -2.21537531 -1.85571441 -2.13017066 2.8023244 4.55467542
 2.23388237 -3.2075394 1.63392431 -3.11321734]
 Sample 4259: [0.46548215 1.10602452 0.48761099 2.77385479 6.9833935
 -2.58770209
 3.66189263 -2.29935161 -1.84447631 -2.12949546 2.76918033 4.56191756
 2.26880755 -3.24048823 1.62312266 -3.01872044]
 Sample 4260: [0.49918772 1.05312157 0.48185697 2.87572524 7.01291024
 -2.59835697
 3.6033034 -2.30619339 -1.80993417 -2.06913735 2.81750316 4.54808634
 2.27566595 -3.27698858 1.6364227 -2.91031533]
 Sample 4261: [0.44231052 1.16651734 0.49798305 2.78718166 7.01142661
 -2.68323441
 3.61212357 -2.34616205 -1.70525094 -2.121632 2.85268869 4.53377318
 2.2682366 -3.30527326 1.69225645 -2.92199493]
 Sample 4262: [0.52744758 1.10513569 0.45879132 2.7545893 7.09765676
 -2.7003936
 3.66178791 -2.31842092 -1.76871508 -2.06239524 2.76250325 4.51073781
 2.2792984 -3.25814188 1.63292681 -2.98652928]
 Sample 4263: [0.55957513 1.11233688 0.40940988 2.71564669 7.08682592
 -2.7586447
 3.71341671 -2.24919104 -1.80971779 -2.07823262 2.71738012 4.58122198
 2.31216903 -3.29517677 1.56422276 -3.00650657]
 Sample 4264: [0.51755613 1.0672252 0.37470625 2.7146302 7.10184909
 -2.76092929
 3.70755054 -2.2393157 -1.83764758 -2.08832389 2.70079832 4.45675121
 2.36898837 -3.33378483 1.61698704 -2.94362483]
 Sample 4265: [0.58420562 1.12733297 0.37259165 2.68286653 7.11099828
 -2.82869124
 3.76550824 -2.32761816 -1.83625823 -2.05777105 2.6864004 4.40328526
 2.26635741 -3.30212433 1.72725831 -2.93169258]
 Sample 4266: [0.57717889 1.0382129 0.38176619 2.61790565 7.16181744
 -2.78158164
 3.71081747 -2.39270964 -1.81862901 -2.14016354 2.75990653 4.42121362
 2.31143746 -3.31515632 1.68586942 -2.92998095]

Sample 4267: [0.56871464 1.11660898 0.41656842 2.61254001 7.24135096
 -2.79053192
 3.62611085 -2.33054139 -1.87580694 -2.08783534 2.82583663 4.50055772
 2.30305807 -3.38452561 1.65140084 -2.93148788]
 Sample 4268: [0.58298539 1.07071519 0.37428292 2.58902696 7.20593764
 -2.83940631
 3.70534442 -2.33871998 -1.86914506 -2.18803931 2.77018128 4.45291619
 2.24178138 -3.32544542 1.63641751 -2.96529468]
 Sample 4269: [0.56366336 1.10729098 0.42759193 2.6972406 7.30044397
 -2.86126546
 3.64619572 -2.25796463 -1.78049081 -2.20071074 2.604236 4.48369861
 2.24808834 -3.3769106 1.62382557 -2.98454182]
 Sample 4270: [0.54664302 1.04622666 0.43604442 2.67007495 7.12313826
 -2.8824945
 3.70095742 -2.24884804 -1.77045806 -2.28122172 2.63422763 4.53682053
 2.27202587 -3.48755359 1.58833245 -2.98835121]
 Sample 4271: [0.49569242 1.07668215 0.52979174 2.61936474 7.09479029
 -2.87733197
 3.61026081 -2.22576554 -1.78666576 -2.30264558 2.6234361 4.49494457
 2.31914949 -3.55343053 1.55941518 -3.00578674]
 Sample 4272: [0.52633909 1.06032259 0.43534724 2.67055149 7.1983132
 -2.8261385
 3.61941813 -2.23250984 -1.78349795 -2.32903885 2.62672698 4.4832466
 2.2743476 -3.59523404 1.55672916 -2.98193121]
 Sample 4273: [0.51559291 1.10268025 0.49128618 2.66293459 7.17835819
 -2.77567401
 3.61760994 -2.23650157 -1.79762218 -2.28369775 2.55254506 4.53790961
 2.31602258 -3.64868342 1.51854853 -3.02239485]
 Sample 4274: [0.47977217 1.0430546 0.42594519 2.74384501 7.23172116
 -2.75892391
 3.58823257 -2.22039456 -1.85711011 -2.35200413 2.53573904 4.49877536
 2.34358955 -3.63497224 1.48716223 -3.06382319]
 Sample 4275: [0.50051598 1.05375031 0.43646211 2.65453663 7.20624884
 -2.71413133
 3.50394954 -2.26550715 -1.7928168 -2.33724936 2.53884347 4.50871402
 2.3555735 -3.57112522 1.45810141 -3.00998903]
 Sample 4276: [0.51408471 1.00880855 0.47348147 2.57956389 7.12318389
 -2.62861333
 3.52466487 -2.28963278 -1.75614475 -2.3394076 2.48048354 4.50713825
 2.32470744 -3.62047165 1.48889538 -3.01008362]
 Sample 4277: [0.4146887 1.05214245 0.4717655 2.43269804 7.10644866
 -2.59450338
 3.50484814 -2.30751159 -1.80576605 -2.39089624 2.51773326 4.44630889
 2.3426918 -3.69501752 1.52985129 -3.08647483]
 Sample 4278: [0.47455928 1.04440654 0.46523927 2.4874882 7.04530279
 -2.57173304
 3.51937652 -2.3126348 -1.82440195 -2.40989452 2.48498491 4.39060593
 2.37088554 -3.71335883 1.48863713 -3.06233318]

Sample 4279: [0.49278092 1.01518335 0.41362314 2.44538719 7.06493016
 -2.6285275
 3.52511069 -2.20986922 -1.77032736 -2.3737568 2.42773703 4.3821624
 2.37477382 -3.75996853 1.50389674 -3.10200966]
 Sample 4280: [0.46081046 1.04935135 0.45549096 2.46852869 7.0468968
 -2.50939802
 3.5326191 -2.14904502 -1.82820832 -2.3222025 2.50074516 4.43804762
 2.35591454 -3.66378401 1.50797254 -3.1130094]
 Sample 4281: [0.48731598 1.01437985 0.43690815 2.48021985 7.05584316
 -2.44086482
 3.51483111 -2.22195592 -1.86143791 -2.32438632 2.46330308 4.43681395
 2.30753534 -3.59135499 1.51630765 -3.01432157]
 Sample 4282: [0.49900684 1.03237997 0.39681431 2.50851963 7.03645732
 -2.42857782
 3.45529367 -2.34922036 -1.90710143 -2.38884265 2.47317878 4.56419531
 2.28971447 -3.53976485 1.62811658 -3.01895012]
 Sample 4283: [0.4885672 1.02295757 0.43717089 2.55613426 7.07271387
 -2.42262701
 3.44109827 -2.28097805 -1.7584565 -2.42785436 2.47446896 4.51812746
 2.31047119 -3.52272823 1.6134216 -3.18887065]
 Sample 4284: [0.46573616 1.02710956 0.45836173 2.5449991 7.19946889
 -2.48485374
 3.52827542 -2.3185144 -1.78717984 -2.4956773 2.52083394 4.55804239
 2.27096259 -3.53722307 1.61843409 -3.1460344]
 Sample 4285: [0.45867716 1.02409678 0.46680301 2.55235293 7.19311388
 -2.5021278
 3.4752669 -2.29944485 -1.84847959 -2.48935218 2.60937926 4.58870229
 2.31338949 -3.61188617 1.62821767 -3.18367276]
 Sample 4286: [0.48436064 1.01206345 0.41233538 2.49221186 7.2350224
 -2.46916888
 3.47821996 -2.23381444 -1.88136976 -2.48577772 2.58597792 4.61371267
 2.35047528 -3.6945816 1.64341746 -3.18773908]
 Sample 4287: [0.50695353 1.02208297 0.41929012 2.50445289 7.26366245
 -2.46236443
 3.51002976 -2.15006596 -1.87935044 -2.51957633 2.6512639 4.55767757
 2.31945819 -3.72630207 1.68797545 -3.16570379]
 Sample 4288: [0.4532211 1.04882841 0.32169804 2.47940535 7.2312981
 -2.41759224
 3.52950543 -2.10191349 -1.94647079 -2.46789086 2.71731269 4.57337187
 2.47314756 -3.76801872 1.69837644 -3.14451322]
 Sample 4289: [0.49990608 1.04638128 0.33887719 2.54811774 7.24649096
 -2.39035673
 3.57405428 -2.10693795 -1.94192143 -2.42714926 2.72968479 4.63189881
 2.47058292 -3.72237439 1.71196544 -2.99123817]
 Sample 4290: [0.49264102 1.04787068 0.29570627 2.50927012 7.22975417
 -2.35565164
 3.51113534 -2.12157957 -1.87400702 -2.40232989 2.81160135 4.73893846
 2.54011172 -3.75509267 1.73793935 -2.98106106]

Sample 4291: [0.49407322 1.03514393 0.31612804 2.50680994 7.23152134
 -2.36905471
 3.46670783 -2.09242092 -1.8997414 -2.40122284 2.81838641 4.71087513
 2.53987868 -3.73647529 1.82071687 -2.9517838]
 Sample 4292: [0.48087277 1.06737007 0.26282823 2.52599549 7.18003451
 -2.42181728
 3.47546314 -2.06690643 -1.87287956 -2.40989035 2.91544249 4.67246965
 2.55929981 -3.69627693 1.79184092 -2.91853441]
 Sample 4293: [0.50545786 1.0542184 0.26590767 2.49427391 7.18828282
 -2.46310541
 3.55197112 -2.05246176 -1.81137123 -2.4382181 2.98217604 4.61947613
 2.55672008 -3.61452262 1.84647087 -2.92178566]
 Sample 4294: [0.50581509 1.1119078 0.2706697 2.50079862 7.19209888
 -2.44393769
 3.59995062 -2.02029735 -1.85259432 -2.29675026 3.01054197 4.61750921
 2.55682008 -3.60891608 1.88828928 -2.92853452]
 Sample 4295: [0.51205211 1.06009019 0.26996366 2.52889277 7.30160477
 -2.49762521
 3.61843165 -2.08402945 -1.78225679 -2.20646989 2.98370247 4.66755386
 2.53286593 -3.61168392 1.87898323 -2.87968435]
 Sample 4296: [0.49021863 1.07462092 0.25657542 2.54796348 7.27414242
 -2.4095716
 3.55981622 -2.03340438 -1.78745185 -2.26220359 2.9659577 4.66830872
 2.54713932 -3.60331031 1.86072871 -2.8268004]
 Sample 4297: [0.49848237 1.0856908 0.28646711 2.60425374 7.19963477
 -2.48664865
 3.62040181 -2.05625479 -1.72661241 -2.2481496 2.92865736 4.68718055
 2.51127036 -3.65087436 1.92519793 -2.85703421]
 Sample 4298: [0.52342283 1.09318495 0.24618341 2.56788196 7.17503279
 -2.50851497
 3.66075723 -2.02175147 -1.86846834 -2.24446082 2.96658261 4.6569828
 2.52300428 -3.60017103 1.87442084 -2.83780489]
 Sample 4299: [0.5381377 1.09949685 0.30014348 2.56125033 7.19974017
 -2.50787054
 3.7248704 -2.04577892 -1.81387381 -2.26111338 2.98187211 4.55269697
 2.55233976 -3.65225097 1.85125108 -2.77898792]
 Sample 4300: [0.50600004 1.11982003 0.21585063 2.58749059 7.09687162
 -2.51458791
 3.6630451 -2.05455476 -1.83358723 -2.29962927 3.00165658 4.65710058
 2.58766126 -3.65685313 1.93718706 -2.68824807]
 Sample 4301: [0.46399368 1.13744007 0.291302 2.65666328 7.04365051
 -2.47162413
 3.68177805 -2.11782052 -1.83002138 -2.27232676 2.93280836 4.6376284
 2.55258096 -3.68787967 1.98350146 -2.66463072]
 Sample 4302: [0.52857046 1.16022146 0.2278998 2.65371676 6.99248829
 -2.48127694
 3.72105193 -2.12214367 -1.85483402 -2.22853203 2.94110398 4.65528148
 2.52862407 -3.6675613 2.05827827 -2.71675996]

Sample 4303: [0.487316 1.10728355 0.30301308 2.69145989 6.89174083
 -2.54928843
 3.68299211 -2.07443604 -1.75480642 -2.31979139 2.95375589 4.69526728
 2.43567839 -3.56985899 2.00531881 -2.74659564]
 Sample 4304: [0.56818185 1.10429126 0.26390402 2.66864712 7.0102721
 -2.58918801
 3.66709089 -2.16402357 -1.80729357 -2.31456524 2.99209752 4.69764244
 2.4419766 -3.53627256 2.02064298 -2.70288495]
 Sample 4305: [0.52549904 1.08124866 0.34270218 2.6963699 7.06931274
 -2.5769141
 3.63277764 -2.11545195 -1.81122953 -2.26551984 3.02484911 4.71694779
 2.39746627 -3.54588028 2.02066951 -2.66754204]
 Sample 4306: [0.5701467 1.12171254 0.25105447 2.70809968 7.10813534
 -2.6402958
 3.59339284 -2.11565609 -1.78150957 -2.30501006 2.98951795 4.67460333
 2.41198853 -3.57435642 2.10031937 -2.73728239]
 Sample 4307: [0.51927415 1.08321811 0.32090101 2.80167461 7.05801524
 -2.69432814
 3.60123232 -2.19784621 -1.80097769 -2.29658024 3.00568384 4.69132048
 2.41287039 -3.4619526 2.10963603 -2.73695148]
 Sample 4308: [0.59028835 1.11472393 0.27959306 2.75776416 7.02836849
 -2.69642907
 3.64948499 -2.17675364 -1.76469283 -2.29869372 3.04496043 4.69302288
 2.43210955 -3.51078145 2.17939593 -2.73534241]
 Sample 4309: [0.52322655 1.12527923 0.30775047 2.75435249 7.00966677
 -2.67385958
 3.64457682 -2.12869276 -1.83498312 -2.18060163 3.06843972 4.71053348
 2.44580384 -3.50038249 2.23650484 -2.7031217]
 Sample 4310: [0.57993114 1.07576229 0.26447544 2.7070424 7.02595748
 -2.66290949
 3.67436951 -2.2492773 -1.81054372 -2.16845232 3.12943971 4.67604856
 2.41906351 -3.57475344 2.1918717 -2.65838856]
 Sample 4311: [0.50254719 1.13652039 0.31445892 2.82533654 7.13262552
 -2.67964107
 3.6951338 -2.30134034 -1.80945335 -2.1878195 3.06824078 4.7035108
 2.36557758 -3.57295909 2.206595 -2.71114069]
 Sample 4312: [0.62212727 1.12370649 0.34041869 2.83242912 7.1367438
 -2.6941548
 3.69585237 -2.28821452 -1.89605505 -2.19944467 3.11527669 4.75444625
 2.40405541 -3.53202647 2.23384117 -2.70697888]
 Sample 4313: [0.55342789 1.11131828 0.32928265 2.89741747 7.21455243
 -2.73553295
 3.71876849 -2.26393385 -1.95965011 -2.19962797 3.00594146 4.78969341
 2.35452473 -3.58033413 2.23701559 -2.70880204]
 Sample 4314: [0.59667872 1.14944913 0.31825431 2.909431 7.17031194
 -2.73635911
 3.69218917 -2.22525743 -2.0106643 -2.24575443 2.9382143 4.73918379
 2.41368018 -3.5446358 2.18176316 -2.76189848]

Sample 4315: [0.54747157 1.05455626 0.32398579 2.91333714 7.18881722
 -2.67160552
 3.6267998 -2.19007184 -2.01872105 -2.35304066 2.97464622 4.75113605
 2.4233689 -3.5400439 2.19128617 -2.82359649]
 Sample 4316: [0.57983682 1.11793251 0.3032177 2.89589957 7.13816124
 -2.78593893
 3.67051086 -2.24155674 -2.03557014 -2.36781085 3.06751143 4.74895218
 2.34554594 -3.56627264 2.26419993 -2.93055265]
 Sample 4317: [0.57350154 1.07279183 0.3687068 2.91230033 7.16079414
 -2.73633528
 3.69293171 -2.23170711 -2.07709053 -2.36382571 3.06431619 4.74431572
 2.37144986 -3.57102027 2.19258387 -2.93600655]
 Sample 4318: [0.56362421 1.09779729 0.31451402 2.88962772 7.16490391
 -2.72082384
 3.67006138 -2.30433154 -2.04146816 -2.45088474 3.04209342 4.77012058
 2.42100316 -3.58272927 2.13394893 -2.9923972]
 Sample 4319: [0.57089994 1.10252747 0.38203548 2.93166869 7.19042379
 -2.80682422
 3.65318859 -2.26584242 -2.06965087 -2.42151984 3.03415955 4.76446287
 2.50969424 -3.53901715 2.18186887 -2.90577779]
 Sample 4320: [0.61428444 1.07739329 0.33453557 2.90467481 7.21317021
 -2.8357009
 3.68611121 -2.34212068 -2.11974513 -2.51712581 2.98782202 4.73180528
 2.58927084 -3.55119473 2.2441447 -2.93115864]
 Sample 4321: [0.57960732 1.11088553 0.3915106 2.93276646 7.22372968
 -2.8160273
 3.72629298 -2.35716879 -2.07284452 -2.59273343 2.98774327 4.78684015
 2.58938667 -3.45599825 2.17228106 -2.95904053]
 Sample 4322: [0.6015039 1.10311807 0.34439336 2.93877282 7.14642706
 -2.89228023
 3.75011505 -2.38623052 -2.09390659 -2.59570435 2.9418745 4.824542
 2.51526418 -3.43832128 2.192286 -3.01812096]
 Sample 4323: [0.61674443 1.11026791 0.39500934 2.97817637 7.12364333
 -2.91656965
 3.74600246 -2.39289866 -2.07231898 -2.59057921 2.96423408 4.77593322
 2.59987075 -3.34775831 2.11692927 -3.04147853]
 Sample 4324: [0.614114 1.09840276 0.34833149 2.91935797 7.14333265
 -2.94121094
 3.76743244 -2.35955713 -2.10986896 -2.68625846 3.01424398 4.86851793
 2.52530615 -3.40473225 2.17024616 -3.10016559]
 Sample 4325: [0.59185357 1.09721766 0.38217783 2.89309053 7.17440056
 -2.83546236
 3.7612681 -2.29726707 -2.0703381 -2.71628772 3.06843105 4.81476593
 2.50874582 -3.39849926 2.15887188 -3.05644584]
 Sample 4326: [0.60356816 1.10773028 0.34847296 2.76111053 7.08139002
 -2.78898739
 3.68750992 -2.35745481 -2.05441677 -2.73354769 3.10301924 4.8554761
 2.52668615 -3.42314516 2.19057886 -3.08122219]

Sample 4327: [0.55485188 1.05583905 0.36615385 2.71127512 7.05307156
 -2.77462324
 3.65860112 -2.29415737 -2.11796494 -2.79688391 3.02007599 4.83433353
 2.53773321 -3.35362141 2.24536961 -3.0538619]
 Sample 4328: [0.65166632 1.07864838 0.36917887 2.71453432 6.99828435
 -2.86981259
 3.60238851 -2.23556951 -2.06074903 -2.80856193 3.01991005 4.98594145
 2.55347569 -3.34361132 2.25032658 -2.93881165]
 Sample 4329: [0.5927962 1.07330307 0.32558423 2.72877981 6.95669919
 -2.91544157
 3.60210691 -2.27676165 -2.07682962 -2.72711197 3.03263899 4.90669451
 2.52218473 -3.24044387 2.22797023 -2.98420771]
 Sample 4330: [0.63137267 1.09996037 0.3367287 2.72822342 6.9759832
 -2.928328
 3.60433629 -2.22555326 -2.05006733 -2.77149094 3.11397391 4.93676531
 2.51640653 -3.18177536 2.26495329 -2.95305042]
 Sample 4331: [0.59676268 1.08749846 0.31296683 2.56490238 6.92615866
 -2.88733548
 3.65614577 -2.28240042 -1.97637796 -2.77817435 3.14268551 4.86414438
 2.50972502 -3.21012681 2.34590088 -2.82963827]
 Sample 4332: [0.60234883 1.09853232 0.34042623 2.57890909 6.90155905
 -2.77839348
 3.56807949 -2.29414097 -1.9723544 -2.85240165 3.1675249 4.94128201
 2.49830002 -3.23494483 2.30911799 -2.90679847]
 Sample 4333: [0.53606529 1.07938264 0.29406234 2.67082686 6.88424878
 -2.80437552
 3.62685944 -2.33335402 -1.92911805 -2.80460712 3.15753257 4.96052474
 2.5001492 -3.10406857 2.30637878 -2.952959]
 Sample 4334: [0.62871275 1.08663607 0.34219792 2.68524519 6.83313261
 -2.9005054
 3.61436377 -2.32614363 -1.89652017 -2.76171953 3.14656143 4.99480942
 2.55655092 -3.17306901 2.28175377 -2.86982084]
 Sample 4335: [0.55853488 1.08858318 0.28223716 2.71594098 6.86707656
 -2.86939591
 3.59718808 -2.30608178 -1.92367568 -2.73850996 3.18728969 4.98331266
 2.57061953 -3.17467132 2.31073231 -2.90524293]
 Sample 4336: [0.63764564 1.09824091 0.35921865 2.73173966 6.94449821
 -2.86189144
 3.58733976 -2.27009151 -1.89132423 -2.68779116 3.15406242 4.96613414
 2.57665878 -3.17747825 2.25406495 -2.86882542]
 Sample 4337: [0.6317771 1.10192013 0.31859193 2.70683912 6.91024323
 -2.89932281
 3.60767725 -2.20507884 -1.91220646 -2.69097344 3.24238403 4.96055443
 2.58287168 -3.12196229 2.24702661 -2.85124737]
 Sample 4338: [0.6081477 1.08284459 0.29725806 2.76542921 6.85632671
 -2.8474637
 3.59863099 -2.10971024 -1.90084647 -2.64303335 3.15623946 4.9670614
 2.50792178 -3.10000181 2.2699811 -2.86235789]

Sample 4339: [0.55648705 1.09931452 0.24912296 2.73495455 6.88986475
 -2.85394387
 3.56216527 -2.09629318 -1.96107097 -2.6079318 3.28864853 4.95115556
 2.49983241 -3.04420018 2.2319169 -2.91855265]
 Sample 4340: [0.594175 1.05993099 0.25840871 2.67986974 6.8619218
 -2.86135675
 3.55905591 -2.06618762 -1.97239792 -2.6073048 3.3044128 4.90899281
 2.5349755 -3.09930374 2.21623919 -2.98656971]
 Sample 4341: [0.57162788 1.05951094 0.27677448 2.75980019 6.90106262
 -2.8677213
 3.5669749 -2.05190591 -2.00075275 -2.55406577 3.22309266 4.83954037
 2.43741375 -3.11627534 2.18154872 -2.98790984]
 Sample 4342: [0.59417411 1.03449744 0.29791167 2.70799292 6.83993846
 -2.79153645
 3.47027576 -2.05735204 -2.03904711 -2.60162893 3.13412482 4.87636407
 2.4318365 -3.12193322 2.19831405 -3.10832456]
 Sample 4343: [0.5750416 1.02378736 0.3378564 2.675375 6.90512446
 -2.77564187
 3.48737859 -2.08120571 -2.10795591 -2.61748478 3.17014823 4.92891099
 2.44962734 -3.09066169 2.13411136 -3.18199295]
 Sample 4344: [0.57359232 1.02813845 0.31014128 2.65357325 6.90055851
 -2.73250369
 3.38176398 -2.09013552 -2.05126596 -2.71888919 3.16882011 4.9389634
 2.41255348 -3.08152002 2.06299205 -3.18575863]
 Sample 4345: [0.52199846 1.00302949 0.28538505 2.72967764 6.9060219
 -2.65664006
 3.46226366 -1.99273175 -2.01132274 -2.7646972 3.09403383 4.97905729
 2.38558963 -3.11334976 2.03429666 -3.12501454]
 Sample 4346: [0.54437795 1.09030774 0.26493286 2.76471121 6.81047839
 -2.63774623
 3.56251182 -1.95240652 -1.90281256 -2.7398024 3.17792546 5.00475171
 2.32992337 -3.08584338 2.01320022 -3.07562985]
 Sample 4347: [0.54436418 1.03669957 0.30524275 2.85085986 6.80823858
 -2.59751036
 3.57026832 -1.94324347 -1.95991503 -2.6844666 3.18871204 5.04500073
 2.40431717 -3.07812236 1.97595282 -2.99825828]
 Sample 4348: [0.50808988 1.09741057 0.22918924 2.8296419 6.75044769
 -2.55201264
 3.54466786 -1.94200198 -1.95416864 -2.71737384 3.13946406 5.05175014
 2.42780158 -3.01713064 1.95353324 -2.95954617]
 Sample 4349: [0.53744574 1.08182503 0.25691114 2.87997062 6.70070688
 -2.60300002
 3.57775367 -1.94706032 -1.95966607 -2.72870641 3.1489771 5.02745358
 2.43600281 -2.94201967 1.96937564 -2.92905492]
 Sample 4350: [0.51668361 1.06211452 0.25884614 2.93081331 6.7230048
 -2.63556895
 3.58865399 -1.95920844 -1.92682248 -2.72069585 3.09484895 5.03689757
 2.41100607 -2.92476755 1.90974866 -2.95667422]

Sample 4351: [0.53955865 1.11188811 0.28515545 2.91602728 6.81755883
 -2.51922607
 3.60155276 -2.0416025 -1.90243548 -2.72417683 3.12435851 5.03749711
 2.39761675 -2.86398635 1.96706926 -2.94353667]
 Sample 4352: [0.54327747 1.04501988 0.32237697 2.97027903 6.89233062
 -2.51018135
 3.64151787 -2.07788351 -1.97727947 -2.66957935 3.08918804 5.05239082
 2.39999707 -2.9100115 1.92966194 -2.97012933]
 Sample 4353: [0.53654343 1.07471708 0.3161338 2.96284742 6.85117153
 -2.45975756
 3.51614871 -2.14687436 -1.97823249 -2.74971162 3.12295725 5.00290687
 2.45014619 -2.85463744 1.86040683 -3.03314806]
 Sample 4354: [0.45582243 1.02803091 0.29923239 2.96714946 6.89982116
 -2.40320706
 3.48537315 -2.27172929 -2.0455157 -2.7257913 3.12716576 5.02998614
 2.49969638 -2.8439265 1.87488713 -3.07470546]
 Sample 4355: [0.57271922 1.07061606 0.41880947 2.91696216 6.94484878
 -2.36144228
 3.49584666 -2.35034423 -2.08102619 -2.70853344 3.04803214 4.98344665
 2.45051997 -2.98432213 1.92982622 -3.10423361]
 Sample 4356: [0.48223124 1.06346775 0.35380993 2.93580301 6.98021507
 -2.40069996
 3.50917942 -2.40781644 -2.04327598 -2.76529021 3.06005194 4.92779478
 2.46655589 -2.92312087 1.88881985 -3.02726863]
 Sample 4357: [0.48215149 1.06404695 0.29660395 2.96190867 7.00555186
 -2.43054487
 3.4840932 -2.34155476 -2.06700342 -2.74967925 2.97343398 4.95205021
 2.45147665 -2.95497797 1.86579861 -2.9573846]
 Sample 4358: [0.51509035 1.02759574 0.33345596 2.90735891 7.00219308
 -2.45543414
 3.43570645 -2.28111952 -2.05506332 -2.71721126 3.05643219 4.93996014
 2.49886757 -3.02285675 1.84679737 -2.93888587]
 Sample 4359: [0.53223452 1.06925726 0.33396909 2.91750909 6.99582627
 -2.44114237
 3.50402802 -2.27649149 -2.12936697 -2.74839424 3.02041783 4.84263419
 2.42358827 -3.0729557 1.75184718 -2.9077839]
 Sample 4360: [0.49890539 1.10071463 0.34968874 2.91481628 7.02622305
 -2.41308172
 3.50235844 -2.32517126 -2.13718666 -2.81991399 2.98135892 4.78902533
 2.38041947 -3.144154 1.80640872 -2.92056034]
 Sample 4361: [0.52359937 1.0834359 0.36651267 2.86957511 6.96380418
 -2.37998056
 3.47841562 -2.36405557 -2.13910727 -2.88085885 3.02604495 4.77204935
 2.31967549 -3.12045473 1.81812071 -2.95673977]
 Sample 4362: [0.49641815 1.03008755 0.34589255 2.88386117 6.90172868
 -2.39608128
 3.54993578 -2.33038957 -2.2491024 -2.91780617 2.98441325 4.72353937
 2.32279486 -3.11916808 1.93260665 -2.89249745]

Sample 4363: [0.50183912 1.09580827 0.36744332 2.96503006 7.01261105
 -2.38807111
 3.57787736 -2.26153927 -2.21116373 -2.78023242 2.9590391 4.79078635
 2.38008314 -3.08282624 1.98561645 -2.92654578]
 Sample 4364: [0.48475894 1.03302296 0.33495322 2.90070858 7.03791271
 -2.4392955
 3.53346325 -2.21650616 -2.11754769 -2.75639328 2.90994586 4.69017009
 2.40706809 -3.05877407 2.01181619 -2.9992783]
 Sample 4365: [0.52485191 1.04930163 0.37217366 2.96285714 6.97622862
 -2.46152116
 3.51761068 -2.15396599 -2.10116357 -2.75509023 2.84133913 4.60781756
 2.39876592 -3.15074566 1.93694248 -3.05874559]
 Sample 4366: [0.52156897 1.04519154 0.34890174 2.94541377 6.89417035
 -2.43293781
 3.49824651 -2.25657178 -1.9508605 -2.76014533 2.8377535 4.60143751
 2.48178891 -3.11116929 1.95034493 -3.05073467]
 Sample 4367: [0.53301301 1.0349111 0.37547686 2.88871384 6.90303716
 -2.55788961
 3.55943916 -2.33062513 -1.92834897 -2.78082004 2.78183819 4.58615512
 2.47794973 -3.10321526 1.90840195 -3.07958817]
 Sample 4368: [0.52437828 1.0464929 0.36773817 2.99156566 6.87466795
 -2.49668752
 3.53228099 -2.29981808 -1.94675863 -2.7711335 2.80954683 4.56112726
 2.44837993 -3.10765299 1.9530218 -3.09683674]
 Sample 4369: [0.49607838 1.04107028 0.35117573 2.91666365 6.93173682
 -2.37996529
 3.56474646 -2.27221556 -1.97050215 -2.77667616 2.91244191 4.59326013
 2.44081512 -3.0849045 1.92468777 -3.14014858]
 Sample 4370: [0.45141 1.04479047 0.344331 2.87972595 6.95662744
 -2.30237075
 3.65065694 -2.23937845 -1.92000938 -2.7707321 2.89529799 4.67300618
 2.51959822 -3.13939991 1.95069556 -3.18825541]
 Sample 4371: [0.47102629 1.10042444 0.39154078 2.87220128 6.9029621
 -2.26406999
 3.69550968 -2.26432637 -1.83590976 -2.81232495 2.92965078 4.66199796
 2.53577106 -3.20194323 1.86647789 -3.21283098]
 Sample 4372: [0.48842665 1.01630247 0.33880034 2.86587969 6.89798039
 -2.22445524
 3.6975825 -2.28267418 -1.87599642 -2.80629235 2.88234982 4.71018312
 2.62197533 -3.15608929 1.84981289 -3.26228446]
 Sample 4373: [0.45734165 1.09253432 0.41810553 2.80725738 6.85114806
 -2.26681967
 3.628149 -2.25886788 -1.92587933 -2.88986365 2.90877811 4.69739168
 2.59493105 -3.17723928 1.86155963 -3.29814872]
 Sample 4374: [0.42072003 0.98695315 0.47463598 2.82582097 6.81369549
 -2.31566525
 3.64049886 -2.30590056 -1.8662065 -2.86915342 2.97040075 4.67061706
 2.5584451 -3.16054928 1.8203018 -3.25777607]

Sample 4375: [0.37206788 1.10954317 0.49907944 2.76961042 6.74816426
 -2.29170871
 3.70804229 -2.28066906 -1.98461695 -2.91838325 2.98262311 4.63750209
 2.51074342 -3.24901505 1.83202156 -3.31798391]
 Sample 4376: [0.4127506 1.01386612 0.49808569 2.80565897 6.78994163
 -2.37808323
 3.72639313 -2.38275018 -1.9517526 -2.92585531 2.99415472 4.66310733
 2.50878168 -3.25492331 1.79962909 -3.34741383]
 Sample 4377: [0.41481161 1.1295527 0.4976456 2.8055288 6.7664655
 -2.32911675
 3.69507856 -2.46095443 -1.97861475 -2.93389584 2.93389981 4.66260391
 2.53203008 -3.26883822 1.78862829 -3.39590464]
 Sample 4378: [0.42526318 1.03482047 0.52626167 2.78690982 6.80902813
 -2.3487105
 3.67418524 -2.37550444 -2.05120293 -2.91190792 2.93115775 4.65123802
 2.53776642 -3.36484855 1.78057614 -3.39252026]
 Sample 4379: [0.40391781 1.06404349 0.47517151 2.82406702 6.7230323
 -2.33977497
 3.68845211 -2.35448901 -2.07764445 -2.85893826 2.99908919 4.68230548
 2.50339279 -3.31815444 1.79709978 -3.44091934]
 Sample 4380: [0.41106334 1.03899693 0.51475491 2.79393938 6.72502953
 -2.42616159
 3.73781907 -2.36054604 -2.04327493 -2.82931398 2.94210505 4.67724271
 2.55417175 -3.30650122 1.78551065 -3.3773747]
 Sample 4381: [0.40598634 1.0713455 0.49215363 2.78063539 6.78550073
 -2.44894591
 3.67985557 -2.40798859 -2.11342708 -2.81475989 2.93330255 4.69981259
 2.614172 -3.24473644 1.79630198 -3.33129019]
 Sample 4382: [0.44732212 1.11060334 0.52053273 2.73057126 6.81454197
 -2.56422691
 3.79216225 -2.438942 -2.15228821 -2.73344773 2.94100903 4.73190766
 2.50726984 -3.17405225 1.76559357 -3.3333979]
 Sample 4383: [0.41315053 1.10934283 0.50762142 2.7476064 6.79886069
 -2.62744007
 3.75510601 -2.4738394 -2.09067871 -2.66092825 2.97481125 4.82072621
 2.50224979 -3.2209783 1.79925949 -3.31080706]
 Sample 4384: [0.54008731 1.080729 0.55420759 2.63320924 6.84306247
 -2.6613219
 3.77087519 -2.51332905 -2.05668926 -2.67276262 2.95304528 4.9677679
 2.37392435 -3.19613977 1.75904217 -3.32221399]
 Sample 4385: [0.47167488 1.11286793 0.44941573 2.61848601 6.85531454
 -2.73162308
 3.80608845 -2.4339234 -2.02664175 -2.69691829 2.95910475 4.99698676
 2.43891759 -3.25546004 1.79769541 -3.30612491]
 Sample 4386: [0.57197566 1.09584378 0.45933448 2.6602948 6.84531016
 -2.68566187
 3.8593229 -2.41923041 -2.03558356 -2.67142238 3.02010181 5.00776374
 2.41897447 -3.31084715 1.79895334 -3.33500902]

Sample 4387: [0.52294212 1.10158372 0.383781 2.65991509 6.80298748
 -2.62173574
 3.87651831 -2.37485505 -2.05374328 -2.73898655 3.01435404 4.91030989
 2.4073342 -3.31218971 1.8281053 -3.41337531]
 Sample 4388: [0.48098739 1.19090581 0.4516863 2.60286363 6.76927393
 -2.6708464
 3.89581852 -2.35759788 -2.02232898 -2.78054453 2.97028852 4.86547707
 2.38037021 -3.32435161 1.86176333 -3.29488629]
 Sample 4389: [0.50289861 1.07615437 0.52492664 2.61055985 6.84162245
 -2.72912297
 3.85015788 -2.27344591 -2.00158175 -2.80803591 2.96635501 4.80431057
 2.24658824 -3.36220943 1.91720361 -3.21058445]
 Sample 4390: [0.5059393 1.16799269 0.44664048 2.68454844 6.90976993
 -2.73015158
 3.8859076 -2.21618077 -1.9906687 -2.75051711 3.03862008 4.84101123
 2.24121881 -3.35211686 1.84216847 -3.22509494]
 Sample 4391: [0.50057842 1.06648934 0.50591113 2.74408022 6.88305701
 -2.79497297
 3.85681061 -2.16251608 -2.05872127 -2.81895693 3.02513349 4.8662411
 2.25410376 -3.28854753 1.84351715 -3.17208135]
 Sample 4392: [0.49173713 1.1927184 0.48190243 2.79638394 6.81329002
 -2.79235233
 3.82981093 -2.15497935 -2.07225321 -2.77315212 3.03842317 4.78175588
 2.18700506 -3.26798725 1.90310151 -3.18512987]
 Sample 4393: [0.46442475 1.06526739 0.46385075 2.74831309 6.82545451
 -2.67895595
 3.86267734 -2.13636661 -2.07266164 -2.70569661 3.07792341 4.79047436
 2.25762658 -3.2579646 1.898628 -3.21343458]
 Sample 4394: [0.47605301 1.16643129 0.50297245 2.74500479 6.85810206
 -2.64537534
 3.8868419 -2.1608137 -1.97467192 -2.58407824 3.05999288 4.80714832
 2.2768471 -3.29528326 1.97354898 -3.19131286]
 Sample 4395: [0.52747266 1.10971129 0.38938481 2.70255598 6.90947322
 -2.72254358
 3.87257951 -2.21669266 -1.97967494 -2.55603127 3.10029273 4.81125794
 2.24717165 -3.20854522 2.01218123 -3.17037071]
 Sample 4396: [0.56504391 1.15975933 0.38567136 2.75196807 6.85742919
 -2.71238349
 3.92915594 -2.28918028 -2.00588641 -2.55503574 3.19741925 4.8300205
 2.26468346 -3.20222208 2.06314115 -3.10194148]
 Sample 4397: [0.5352543 1.10951465 0.33593834 2.80369502 6.84627163
 -2.65173316
 3.83714434 -2.29067721 -2.02673795 -2.6141054 3.19689161 4.81600834
 2.28785034 -3.28093638 2.0706784 -3.13818918]
 Sample 4398: [0.53930948 1.08444233 0.35189605 2.77281328 6.77982978
 -2.71291355
 3.81598924 -2.27154455 -1.98900519 -2.62581556 3.27831056 4.85474715
 2.32063064 -3.27030503 2.01725692 -3.14775863]

Sample 4399: [0.59733561 1.17029379 0.40372093 2.70983931 6.76641831
 -2.71042638
 3.90989228 -2.33065973 -1.90464063 -2.58928957 3.17605819 4.86622363
 2.38566197 -3.36448155 2.06982963 -3.13281358]
 Sample 4400: [0.54662259 1.17538997 0.34593344 2.74974214 6.77948293
 -2.73132188
 3.88803307 -2.3767945 -1.94326995 -2.50673983 3.2511398 4.88873715
 2.28477379 -3.4211356 2.10178932 -3.17872935]
 Sample 4401: [0.59406317 1.09420485 0.38712145 2.7762112 6.87736673
 -2.73139471
 3.86392209 -2.32568314 -1.9725245 -2.52756984 3.26218903 4.83559764
 2.26830282 -3.357273 2.13557464 -3.08883519]
 Sample 4402: [0.57894773 1.12713807 0.3597621 2.78009749 6.92316104
 -2.77302117
 3.82346698 -2.32407356 -2.10140546 -2.54461083 3.32414095 4.72705105
 2.21471323 -3.34678276 2.22515134 -3.08230541]
 Sample 4403: [0.5564075 1.10466147 0.36679669 2.74234894 6.95198131
 -2.81530597
 3.92932415 -2.36745132 -2.1453421 -2.42793906 3.25738941 4.82574014
 2.1626888 -3.30184166 2.26055764 -3.14825774]
 Sample 4404: [0.57370073 1.14217968 0.35117388 2.654077 6.96688924
 -2.7243159
 3.88928111 -2.39108451 -2.15185893 -2.43167394 3.32936627 4.74739176
 2.12903337 -3.30583723 2.23113249 -3.18033155]
 Sample 4405: [0.53808255 1.07097953 0.38083666 2.7402122 7.02532058
 -2.7089207
 3.8224915 -2.37443499 -2.20799321 -2.48689283 3.35856817 4.70594823
 2.12907782 -3.29320734 2.31532539 -3.18000718]
 Sample 4406: [0.58554147 1.18163111 0.34913203 2.68624047 7.04617062
 -2.74932997
 3.85818688 -2.40561042 -2.13891974 -2.49845017 3.44891309 4.72068839
 2.14135804 -3.17671244 2.30793647 -3.13050741]
 Sample 4407: [0.56387188 1.12031096 0.35332246 2.71178464 6.98904899
 -2.78291017
 3.89503017 -2.3345275 -2.03486365 -2.4211873 3.47222446 4.68548509
 2.17293173 -3.20847403 2.28242175 -2.95410766]
 Sample 4408: [0.5773811 1.12296756 0.26997377 2.76513434 7.01877074
 -2.80405775
 3.84486501 -2.22090967 -2.13463272 -2.44028543 3.41666882 4.6702439
 2.17505817 -3.20003988 2.29377061 -3.00456233]
 Sample 4409: [0.55273168 1.09364334 0.32411584 2.76212733 6.97532677
 -2.79484342
 3.75340614 -2.23173531 -2.26476974 -2.52714133 3.42299678 4.66831884
 2.14471221 -3.1657196 2.19956185 -3.03851409]
 Sample 4410: [0.57607476 1.1132729 0.27537756 2.79145763 6.89401043
 -2.79216524
 3.75512099 -2.13840629 -2.27441513 -2.50700763 3.35400375 4.63761491
 2.10006453 -3.16366171 2.2011136 -3.07302203]

Sample 4411: [0.57164667 1.10157508 0.32199573 2.83610591 6.91069952
 -2.86564824
 3.81748692 -2.05747811 -2.21227307 -2.54772448 3.3093282 4.63583096
 2.0876125 -3.18937817 2.20220645 -3.02396746]
 Sample 4412: [0.5832881 1.16176504 0.31475026 2.82964289 6.97798204
 -2.81187582
 3.83910471 -2.04199125 -2.26471951 -2.60615023 3.3355728 4.60583712
 2.07667216 -3.11495618 2.24053263 -3.01755939]
 Sample 4413: [0.54125871 1.15090872 0.29016104 2.83322069 7.08037563
 -2.75928896
 3.8957567 -2.05584217 -2.27162661 -2.61715612 3.3039257 4.52758776
 2.04164708 -3.13612699 2.27180114 -2.98522949]
 Sample 4414: [0.60068707 1.14045286 0.35730461 2.80448443 7.08729696
 -2.77679425
 3.91906029 -2.06444658 -2.27635221 -2.62014304 3.38394907 4.6096207
 1.97796092 -3.03512468 2.33817316 -3.00643251]
 Sample 4415: [0.54733393 1.12636067 0.31204469 2.77199989 7.02774174
 -2.85530071
 3.8858211 -2.060025 -2.24755125 -2.54527899 3.43372319 4.54873003
 1.91407643 -3.0064301 2.24424668 -3.018737]
 Sample 4416: [0.56452081 1.11512415 0.321147 2.78813574 7.07730623
 -2.84582561
 3.92709464 -2.06979921 -2.24482313 -2.50788386 3.43760457 4.60679736
 1.87546887 -3.03942393 2.24792124 -3.05581025]
 Sample 4417: [0.59019876 1.1316357 0.30472304 2.77799368 7.06005249
 -2.84728221
 3.89910009 -2.04565237 -2.26302764 -2.54794576 3.46359292 4.55319569
 1.84337895 -3.03361126 2.23347034 -3.08878421]
 Sample 4418: [0.54619869 1.12219649 0.26852703 2.69391926 7.1804176
 -2.82380799
 3.87961722 -1.98711729 -2.27372911 -2.57788191 3.53475492 4.66596926
 1.79826754 -3.03412805 2.22577179 -3.02243189]
 Sample 4419: [0.59481854 1.10624903 0.25360084 2.68604182 7.24582358
 -2.89723584
 3.83224311 -1.99699528 -2.23189934 -2.56850368 3.48966291 4.64926334
 1.77574743 -3.04216337 2.24955289 -3.02836144]
 Sample 4420: [0.5579855 1.13577448 0.34979859 2.75699661 7.21560601
 -2.90726096
 3.85947881 -2.10593813 -2.30058428 -2.57290169 3.48354994 4.66242036
 1.78853856 -3.01386551 2.2738732 -2.94792175]
 Sample 4421: [0.61993181 1.14530663 0.31994509 2.73195317 7.2238735
 -2.90893552
 3.98343104 -2.15891257 -2.29916407 -2.59220621 3.47473514 4.61539003
 1.70745029 -3.02194215 2.23484122 -2.98940566]
 Sample 4422: [0.55895248 1.17068105 0.35931008 2.73056487 7.20019262
 -2.9176263
 3.97507268 -2.13674439 -2.39921601 -2.59656526 3.39142868 4.73053551
 1.65559507 -3.09206822 2.228754 -3.02587824]

Sample 4423: [0.59671768 1.22878199 0.34705513 2.65703075 7.20285856
 -2.91270712
 4.06287584 -2.11689431 -2.38075603 -2.64582781 3.3356375 4.6754051
 1.66436514 -3.13735821 2.15585119 -3.02001247]
 Sample 4424: [0.50866272 1.17673209 0.4412192 2.64021289 7.23075568
 -2.91999616
 4.10741983 -2.02979019 -2.29319197 -2.64509993 3.33155412 4.60112842
 1.68326103 -3.21361288 2.07909403 -3.05232758]
 Sample 4425: [0.5962073 1.21796118 0.43070006 2.71049778 7.26768585
 -2.98310399
 4.10504124 -2.11189109 -2.23364739 -2.58379927 3.41975677 4.65386819
 1.74748646 -3.14519965 2.10784558 -2.98568066]
 Sample 4426: [0.51087324 1.19466108 0.4622882 2.71957978 7.29548108
 -2.90662566
 4.11684236 -2.10892929 -2.16023877 -2.64590804 3.4204239 4.62951758
 1.742717 -3.25258582 2.178112 -3.01600196]
 Sample 4427: [0.55423624 1.17175318 0.49371104 2.75552465 7.30748448
 -2.96446689
 4.05524022 -2.12165246 -2.20665678 -2.70918239 3.41973734 4.6729415
 1.78821614 -3.2397651 2.17862462 -3.02117986]
 Sample 4428: [0.51826838 1.18995575 0.41428051 2.83549624 7.30558993
 -2.92737837
 4.11647727 -2.02956003 -2.19680137 -2.6387046 3.37863185 4.66146143
 1.78941383 -3.21846057 2.13302444 -2.96620782]
 Sample 4429: [0.53112396 1.17828831 0.51370536 2.87069804 7.30663333
 -2.92258913
 4.07586979 -1.97609864 -2.25256221 -2.69354898 3.38261309 4.66311517
 1.81448327 -3.26256528 2.10593091 -2.9762199]
 Sample 4430: [0.509556 1.17640993 0.44424701 2.88450633 7.2856604
 -2.82248574
 4.1115438 -1.96756282 -2.20459819 -2.71237878 3.33180298 4.722517
 1.80397754 -3.27390288 2.11404855 -2.95272447]
 Sample 4431: [0.58356386 1.21027746 0.36147371 2.89511232 7.31633539
 -2.88587783
 4.10160792 -1.97448705 -2.1322529 -2.66551952 3.30362957 4.72890002
 1.84833978 -3.22219992 2.05107278 -3.03096201]
 Sample 4432: [0.55866257 1.19707432 0.30372022 2.80559914 7.32196375
 -2.96140472
 4.09332241 -1.9549399 -2.12836798 -2.72279404 3.26575565 4.74028951
 1.78741269 -3.247818 2.10142216 -2.9337706]
 Sample 4433: [0.60452354 1.19663326 0.26163416 2.82696492 7.27289861
 -2.91454113
 4.09269946 -1.92500029 -2.19699829 -2.72557007 3.2025267 4.70839525
 1.82138901 -3.30464203 2.09636847 -2.95616699]
 Sample 4434: [0.5626488 1.20170677 0.2974041 2.81171369 7.38050739
 -2.92233004
 4.12806847 -1.94788727 -2.18239466 -2.70211611 3.12664422 4.71577901
 1.82959798 -3.25122438 2.21589458 -2.94508578]

Sample 4435: [0.59702469 1.22610932 0.25787183 2.80235915 7.43095245
 -2.89421289
 4.13952166 -1.98321042 -2.31574076 -2.69870523 3.11020825 4.75214536
 1.87159448 -3.21475272 2.31542434 -2.86730636]
 Sample 4436: [0.54296722 1.19212377 0.26427963 2.84731312 7.47019051
 -2.8029269
 4.01190425 -1.90040647 -2.28368496 -2.69112912 3.15344743 4.80969183
 1.94080427 -3.16349555 2.41868053 -2.7984496]
 Sample 4437: [0.5906887 1.20297401 0.25964445 2.81329693 7.46372824
 -2.79534369
 3.97202475 -1.9724848 -2.25961001 -2.78869941 3.14042653 4.77984978
 2.00427148 -3.31798263 2.42611528 -2.74710339]
 Sample 4438: [0.56289611 1.18921475 0.28070388 2.73260491 7.4974694
 -2.84125047
 3.99329018 -1.9319472 -2.29374852 -2.76678398 3.14434518 4.75523642
 2.06221255 -3.37762248 2.54395808 -2.75913027]
 Sample 4439: [0.58407319 1.16935744 0.24236434 2.69784674 7.5083113
 -2.81040754
 3.97126674 -1.92735614 -2.30607338 -2.8090779 3.21929906 4.7899519
 2.12165912 -3.32268414 2.47249191 -2.77380453]
 Sample 4440: [0.5646705 1.19300479 0.24167173 2.68203543 7.51089766
 -2.84774608
 3.99742809 -1.90833594 -2.35693437 -2.80753693 3.15944445 4.77793603
 2.12936 -3.31260005 2.3904803 -2.69611161]
 Sample 4441: [0.60318115 1.16188173 0.24295382 2.74600433 7.5690424
 -2.90148804
 3.97089557 -1.87248182 -2.39451525 -2.7860362 3.06760411 4.77130481
 2.12541892 -3.35400712 2.50882912 -2.7051004]
 Sample 4442: [0.5557696 1.22770355 0.23318228 2.75007678 7.66378559
 -2.85572651
 3.91872152 -1.85858795 -2.38727953 -2.7044567 3.01695048 4.72266318
 2.16970958 -3.4062902 2.40836671 -2.68459878]
 Sample 4443: [0.5895512 1.30075394 0.23463778 2.69127582 7.78358763
 -2.82644024
 4.02164967 -1.8445934 -2.30546693 -2.79011389 3.01221709 4.66052647
 2.1399739 -3.42179391 2.46605507 -2.6839867]
 Sample 4444: [0.55006188 1.17477377 0.23888411 2.76368763 7.87023906
 -2.87571819
 4.01477116 -1.88756602 -2.25469107 -2.70700815 3.02948383 4.64402994
 2.13424874 -3.42065918 2.42084405 -2.74324087]
 Sample 4445: [0.61129232 1.18400928 0.32586327 2.7218351 7.88127196
 -2.9142367
 4.00234849 -1.97295494 -2.34969636 -2.76401884 3.03169992 4.69541231
 2.15007723 -3.34439638 2.37404049 -2.72033491]
 Sample 4446: [0.58540852 1.16223968 0.24013805 2.70647512 7.87200955
 -2.96988373
 3.94540885 -1.96191884 -2.43262476 -2.74708444 3.02837473 4.70043428
 2.12582067 -3.26679679 2.42827868 -2.79547792]

Sample 4447: [0.55536343 1.19293452 0.36222223 2.71999736 7.84926854
 -2.96861814
 3.96653195 -1.97418352 -2.49094823 -2.71172564 2.99810772 4.63480957
 2.08296609 -3.3888857 2.4015727 -2.78235304]
 Sample 4448: [0.60849253 1.18327292 0.34102349 2.73564253 7.84322085
 -2.9845217
 3.96548237 -1.91870305 -2.51929692 -2.63110423 2.9211422 4.6359622
 2.11825096 -3.4536501 2.36694739 -2.81702753]
 Sample 4449: [0.61527147 1.14484078 0.28332501 2.6990005 7.87516329
 -3.01551523
 3.95069094 -1.92982273 -2.59506639 -2.74052141 2.88576381 4.65654989
 2.01263285 -3.38362715 2.36956469 -2.75075144]
 Sample 4450: [0.59516002 1.21256854 0.3211837 2.70858487 7.81731395
 -3.11206122
 3.9497402 -1.87926361 -2.47675624 -2.73042704 2.80066868 4.61974675
 1.9949564 -3.34081884 2.44378568 -2.88860738]
 Sample 4451: [0.63713807 1.16382724 0.34509559 2.67124427 7.7969194
 -3.10658462
 3.94778491 -1.82368643 -2.42873396 -2.73870705 2.78932154 4.60726132
 2.00458077 -3.39538365 2.46678092 -2.82577445]
 Sample 4452: [0.59737416 1.15078814 0.30588925 2.63312918 7.88848092
 -3.13111045
 3.95472519 -1.86579157 -2.40596063 -2.71085944 2.79430245 4.68264047
 1.97353209 -3.40635528 2.44485633 -2.85918699]
 Sample 4453: [0.65801548 1.19470923 0.33710624 2.54446583 7.91306796
 -3.15625264
 3.93870313 -1.98188323 -2.4152551 -2.69643595 2.72567878 4.71612259
 2.0358776 -3.43446202 2.40218229 -2.90686035]
 Sample 4454: [0.59958564 1.14938337 0.35402388 2.60612027 7.78927312
 -3.16714523
 4.00997661 -1.95446719 -2.39723939 -2.72381531 2.78844298 4.80725123
 1.94547528 -3.3965856 2.41189292 -2.9404069]
 Sample 4455: [0.61074603 1.16190436 0.38753944 2.55511771 7.75782016
 -3.09108605
 3.96380475 -1.86803698 -2.37938803 -2.66968209 2.71086577 4.78139719
 1.95484594 -3.36073601 2.42828982 -2.99564249]
 Sample 4456: [0.52277313 1.15370856 0.40461224 2.5855752 7.62823451
 -3.09596261
 3.98573839 -1.85775343 -2.4045136 -2.61611859 2.7225834 4.81123586
 1.95751576 -3.27492258 2.44163348 -2.98996162]
 Sample 4457: [0.55614879 1.14623588 0.37632106 2.56912831 7.58534323
 -2.98890882
 3.97182364 -1.84613669 -2.46722087 -2.49218887 2.68608974 4.7712509
 2.0322638 -3.31024391 2.41309129 -2.9348193]
 Sample 4458: [0.55410634 1.16378075 0.3561467 2.57175027 7.541652
 -2.96907122
 4.00310842 -1.84904509 -2.47649623 -2.53962509 2.66199008 4.80429786
 2.09662176 -3.21281234 2.34541292 -2.90709963]

Sample 4459: [0.54602903 1.17714531 0.38149996 2.67088663 7.53982931
 -2.90733894
 4.03880642 -1.77026518 -2.41922086 -2.50458842 2.66478463 4.70432667
 2.20682674 -3.20469206 2.3092914 -2.90442686]
 Sample 4460: [0.62126816 1.19718763 0.28050041 2.50254752 7.52517623
 -2.95254771
 4.0910759 -1.86184891 -2.35380602 -2.42803003 2.69907972 4.66368435
 2.1974998 -3.24242789 2.3988354 -2.91114048]
 Sample 4461: [0.56917738 1.17054685 0.36489484 2.51576545 7.45940563
 -2.99607174
 4.02277596 -1.75368188 -2.25292864 -2.42799197 2.68152885 4.76484889
 2.1877121 -3.2693196 2.43699923 -3.00274689]
 Sample 4462: [0.55221128 1.19900271 0.39138115 2.62427313 7.42454331
 -2.95164309
 4.04275963 -1.74805461 -2.20816967 -2.40862769 2.67605945 4.73559878
 2.21579085 -3.26750147 2.45189362 -3.02975858]
 Sample 4463: [0.52006047 1.16626257 0.33396386 2.64358436 7.36151683
 -2.97766368
 4.08049692 -1.70877186 -2.15847594 -2.42701226 2.72043541 4.73324752
 2.13657816 -3.31644377 2.44984328 -2.95248904]
 Sample 4464: [0.58623855 1.25197966 0.3363659 2.67875157 7.4136174
 -2.94761911
 4.104 -1.79334016 -2.17744635 -2.45585005 2.75366303 4.69922145
 2.16653391 -3.41343303 2.53532952 -2.89915007]
 Sample 4465: [0.54273867 1.20956345 0.3668651 2.6212081 7.41264675
 -2.96437443
 4.12621584 -1.78295766 -2.19465353 -2.42836957 2.76118119 4.7732969
 2.11324725 -3.44588781 2.55918116 -2.95950604]
 Sample 4466: [0.51103869 1.20365278 0.40706552 2.62579399 7.44698426
 -2.98961087
 4.17235254 -1.74985407 -2.19934045 -2.50328127 2.76033065 4.7280748
 2.1053119 -3.42191368 2.57516492 -2.95343144]
 Sample 4467: [0.585893 1.17326287 0.33882557 2.62493621 7.39475489
 -3.04299716
 4.11525092 -1.71545913 -2.19046959 -2.53636419 2.78338129 4.73096085
 2.13790231 -3.43375912 2.55582027 -3.01774411]
 Sample 4468: [0.57466868 1.28442887 0.35481169 2.58208559 7.38724285
 -3.01838477
 4.06115469 -1.69644338 -2.17258045 -2.630628 2.78097947 4.81454818
 2.13297706 -3.43023677 2.5864896 -2.95392846]
 Sample 4469: [0.53010058 1.18195434 0.40030644 2.56530549 7.33137774
 -3.04661758
 4.10127044 -1.64760998 -2.13977378 -2.5980229 2.87492612 4.8255665
 2.13242192 -3.44494729 2.61003547 -2.95984195]
 Sample 4470: [0.57148952 1.212452 0.37587239 2.62366876 7.31387485
 -3.03940154
 4.12137804 -1.69513114 -2.15316891 -2.62734526 2.90809867 4.82091343
 2.16826822 -3.37891659 2.64022061 -2.9318553]

Sample 4471: [0.59416953 1.18332206 0.30531637 2.67792955 7.28460258
 -3.02202322
 4.06323629 -1.69144942 -2.12370209 -2.58967952 3.0277078 4.83677357
 2.11432882 -3.31001634 2.59338999 -2.94487598]
 Sample 4472: [0.60173232 1.20065608 0.26611004 2.63893986 7.24724928
 -3.01923951
 4.08492688 -1.63958591 -2.14858473 -2.6185231 3.1066394 4.88611717
 2.06452107 -3.38539982 2.53715093 -2.98497521]
 Sample 4473: [0.63570502 1.18889095 0.23582207 2.57405028 7.21699625
 -3.07032485
 4.09811982 -1.6190687 -2.11487425 -2.61320493 3.06729872 4.79907467
 2.054374 -3.40837238 2.58970547 -3.03234677]
 Sample 4474: [0.60371491 1.16407884 0.23099658 2.57858015 7.14569194
 -3.06959866
 4.00597137 -1.59551859 -2.0971383 -2.58591216 3.04615938 4.70683081
 2.17346718 -3.4648699 2.58672579 -2.99754255]
 Sample 4475: [0.61026778 1.14696345 0.21136747 2.58601916 7.09261819
 -3.01828225
 4.03122752 -1.63125385 -2.12575686 -2.59805117 2.96994432 4.78291909
 2.16474956 -3.44959548 2.66316145 -3.10151665]
 Sample 4476: [0.59156873 1.16669133 0.27517929 2.58074893 7.071105
 -3.05911804
 4.00095009 -1.57500837 -2.21384891 -2.66594271 2.97311322 4.84466125
 2.12681893 -3.42025635 2.7051497 -3.12265268]
 Sample 4477: [0.59246927 1.17671922 0.31079088 2.58777086 7.09371316
 -3.13836191
 4.04020492 -1.62564348 -2.25924446 -2.61158103 2.98438149 4.83262426
 2.20719312 -3.40429466 2.72886318 -3.04830715]
 Sample 4478: [0.56076125 1.15330636 0.37028251 2.59097846 7.11291165
 -3.10354405
 4.09909652 -1.54948608 -2.35825858 -2.61355873 2.96882225 4.84936387
 2.28065552 -3.36127419 2.71849322 -3.03468871]
 Sample 4479: [0.55055815 1.18220085 0.37806482 2.56264678 7.12641504
 -3.18512369
 4.04582873 -1.60054864 -2.3322726 -2.62364458 2.96125919 4.79397907
 2.31967795 -3.3496063 2.74102098 -3.05924586]
 Sample 4480: [0.5911172 1.14499061 0.35695641 2.5709254 7.15695546
 -3.24017222
 4.13829531 -1.59868798 -2.24947651 -2.55176118 2.90362215 4.80186049
 2.33423708 -3.34035107 2.76736968 -3.11605117]
 Sample 4481: [0.57592467 1.21115916 0.36427585 2.55318795 7.15983251
 -3.14873584
 4.11791479 -1.55115288 -2.28205843 -2.54767137 2.8817709 4.84230486
 2.36700568 -3.3972523 2.64997557 -3.12992317]
 Sample 4482: [0.57132194 1.20193829 0.40702851 2.62347872 7.1084657
 -3.13977556
 4.08992179 -1.58947252 -2.35156319 -2.54086239 2.94459084 4.79991627
 2.37724525 -3.33733331 2.63311654 -3.23096034]

Sample 4483: [0.56736924 1.12493661 0.36091968 2.63660861 7.02906145
 -3.16186991
 4.03559511 -1.62853108 -2.22935177 -2.49937651 2.95937744 4.78289086
 2.42429673 -3.3124299 2.6622009 -3.27739246]
 Sample 4484: [0.56573366 1.17203947 0.34204725 2.62285402 6.94605232
 -3.11907223
 4.08171361 -1.60800413 -2.13631996 -2.49407947 2.94366119 4.77388557
 2.38398428 -3.28267265 2.68809605 -3.16902585]
 Sample 4485: [0.53776473 1.15986289 0.33143295 2.62054474 6.91537661
 -3.09736201
 4.12402051 -1.57734286 -2.18921145 -2.52853883 2.99182923 4.76716343
 2.46865143 -3.36782138 2.71700586 -3.2109554]
 Sample 4486: [0.57828672 1.1779349 0.32007954 2.68450217 6.90323679
 -3.07044601
 4.11830528 -1.66415841 -2.20432802 -2.56744061 2.97708046 4.791148
 2.5228151 -3.43658522 2.69869779 -3.25545734]
 Sample 4487: [0.59316041 1.15076306 0.34078354 2.66928287 6.96355238
 -3.10488631
 4.08350371 -1.65849728 -2.389098 -2.55522926 2.98971145 4.76058862
 2.42324801 -3.37763133 2.67444525 -3.24827143]
 Sample 4488: [0.61533868 1.118987 0.26512253 2.70040853 7.03856391
 -3.01462445
 4.07370887 -1.66253804 -2.32319004 -2.49697913 2.97761461 4.84822723
 2.45608868 -3.34321876 2.66884865 -3.21001998]
 Sample 4489: [0.63830881 1.1896943 0.21087255 2.63296173 7.0239136
 -3.11349105
 4.07775376 -1.61733626 -2.24086495 -2.48261073 3.05693821 4.84855891
 2.54680746 -3.41924876 2.555048 -3.27131017]
 Sample 4490: [0.63898811 1.17746756 0.26647617 2.7397921 7.03876412
 -3.2018588
 4.10102598 -1.60720145 -2.27711069 -2.50842781 3.0631066 4.8920166
 2.54671488 -3.36718881 2.48085601 -3.28577963]
 Sample 4491: [0.66107603 1.1552994 0.1873502 2.7361178 7.02370029
 -3.24559829
 4.14460289 -1.64430197 -2.24248152 -2.52799415 3.08176044 4.9634393
 2.55029361 -3.24781789 2.54886724 -3.21506305]
 Sample 4492: [0.63788334 1.2283818 0.26331068 2.7288713 7.02524786
 -3.19517304
 4.20119039 -1.65383251 -2.17376381 -2.56927806 3.21033062 4.97988143
 2.500594 -3.27212554 2.46904944 -3.24548308]
 Sample 4493: [0.60140282 1.20472789 0.26431885 2.7145906 7.03837985
 -3.13109744
 4.2377922 -1.74321231 -2.17507711 -2.65677056 3.15930784 4.95726369
 2.50531749 -3.21490518 2.4605617 -3.20882407]
 Sample 4494: [0.65401855 1.19485634 0.27842191 2.73935217 7.02542544
 -3.14417161
 4.26826192 -1.69824467 -2.197492 -2.67494897 3.13779682 4.88357783
 2.44417371 -3.21270375 2.48186472 -3.28287807]

Sample 4495: [0.58846182 1.25351432 0.23047175 2.77511461 7.04725851
 -3.09651523
 4.34012594 -1.7707216 -2.23280604 -2.65316415 3.22854156 4.8784486
 2.48835709 -3.29763498 2.55225343 -3.25205518]
 Sample 4496: [0.64525322 1.29743801 0.2713003 2.86217167 7.10127668
 -3.08350877
 4.46164509 -1.74186342 -2.28303306 -2.65146849 3.26539684 4.82455228
 2.49351366 -3.32054485 2.63557554 -3.25604372]
 Sample 4497: [0.61420988 1.23664253 0.22548542 2.88924441 7.06500289
 -3.07734233
 4.43298485 -1.81684217 -2.25581864 -2.69801859 3.32355398 4.8367996
 2.50272965 -3.29895279 2.56318899 -3.2898394]
 Sample 4498: [0.65202443 1.29513367 0.25500948 2.82211741 7.12121159
 -3.13087461
 4.54189924 -1.75686386 -2.29197015 -2.74776378 3.40268154 4.96567327
 2.53591063 -3.31926458 2.53893215 -3.19298098]
 Sample 4499: [0.64224256 1.2321787 0.25637652 2.83038844 7.1694256
 -3.12782662
 4.52559326 -1.87905435 -2.37969714 -2.81332759 3.28219356 4.95706352
 2.54708996 -3.27759738 2.53798658 -3.15326334]
 Sample 4500: [0.62020575 1.36067412 0.23246032 2.95052179 7.22436256
 -3.06234086
 4.54918227 -1.89199086 -2.36830836 -2.80712849 3.41889655 4.93910158
 2.62940833 -3.30235048 2.50037637 -3.15128754]
 Sample 4501: [0.62787766 1.29427872 0.26308888 2.97624159 7.21167544
 -3.021785
 4.5512887 -1.96596468 -2.39854664 -2.70718099 3.39360792 4.87413279
 2.67444582 -3.25764437 2.43501343 -3.18997373]
 Sample 4502: [0.59771085 1.23765465 0.24494574 2.99041735 7.12291388
 -2.95902667
 4.58982587 -1.92387357 -2.39738248 -2.76427303 3.33041581 4.89762785
 2.66452577 -3.25005968 2.44325041 -3.17434659]
 Sample 4503: [0.60649805 1.35788996 0.23930705 2.94059243 7.06474456
 -2.91424528
 4.54049953 -1.84870046 -2.40261083 -2.65179984 3.21894514 4.93981579
 2.66203054 -3.21052202 2.44650305 -3.0963487]
 Sample 4504: [0.5888282 1.28972261 0.25629985 2.96337202 7.05547909
 -2.86112526
 4.5807427 -1.88435665 -2.34190445 -2.55908325 3.16489389 5.06330621
 2.61782653 -3.11717274 2.34266444 -3.10807914]
 Sample 4505: [0.58153756 1.27211999 0.26830269 2.92948106 7.03351764
 -2.83782918
 4.50538067 -1.93908649 -2.41862784 -2.62128221 3.15079681 4.96290954
 2.64947549 -3.1204718 2.27338539 -3.16775124]
 Sample 4506: [0.55624146 1.30734449 0.28440343 2.97847202 6.95209443
 -2.7717373
 4.46737263 -1.9446675 -2.45199014 -2.63671853 3.08672501 4.99949871
 2.5607889 -3.10663997 2.26394082 -3.19185047]

Sample 4507: [0.59947324 1.2172482 0.29794824 2.96722026 6.8988307
 -2.75702455
 4.46163687 -1.98513578 -2.4664583 -2.63291952 3.12607957 4.98332379
 2.60333595 -3.12332984 2.28976195 -3.2640633]
 Sample 4508: [0.53631109 1.26859968 0.27467137 3.03003041 6.91418848
 -2.74673179
 4.37731817 -1.94897263 -2.46675744 -2.64633384 3.13756177 4.97900972
 2.66441683 -3.04979266 2.33435427 -3.2397911]
 Sample 4509: [0.58841407 1.2694253 0.2566981 2.95070905 6.90742015
 -2.72434745
 4.41082457 -1.90949594 -2.56640888 -2.67783794 3.1625991 5.00693251
 2.6354755 -3.07035991 2.30166888 -3.11528203]
 Sample 4510: [0.52078957 1.24912305 0.25851691 2.91289261 6.90384755
 -2.75898664
 4.36587474 -1.99794682 -2.57225229 -2.70574005 3.14245295 4.91810464
 2.61776992 -3.08387285 2.3302738 -3.13618129]
 Sample 4511: [0.58389645 1.22328748 0.27867369 2.93711345 6.88604828
 -2.73104375
 4.25501287 -1.9759068 -2.60620496 -2.67627928 3.01664761 4.89244864
 2.66481845 -3.07329405 2.18007361 -3.12188103]
 Sample 4512: [0.52335784 1.23900201 0.26123893 2.97704405 6.88824007
 -2.65470201
 4.19960043 -1.9256918 -2.72427254 -2.58619764 2.92141997 4.92752131
 2.62634889 -3.03918168 2.2402813 -3.08817546]
 Sample 4513: [0.57570284 1.17963343 0.27662114 2.91091588 6.89274323
 -2.67790154
 4.21519722 -1.86146169 -2.75405848 -2.51700755 2.83997233 4.98252645
 2.6463671 -2.95346175 2.16086069 -3.08496183]
 Sample 4514: [0.55657677 1.2542088 0.27747331 2.84145451 6.93199743
 -2.62894455
 4.24294671 -1.91800082 -2.76766245 -2.51444318 2.93402809 4.92894679
 2.66418108 -2.96624628 2.22054109 -3.07851848]
 Sample 4515: [0.55098369 1.24892497 0.24657222 2.69865232 7.01122665
 -2.64913624
 4.27964694 -1.84659594 -2.73653156 -2.54196128 2.94316787 5.00693987
 2.69574002 -2.93276445 2.15633512 -3.07951744]
 Sample 4516: [0.55366641 1.23682544 0.27596288 2.66256915 7.01428993
 -2.68782843
 4.36275047 -1.82266121 -2.71797311 -2.49817893 2.95782682 5.05873636
 2.75550704 -2.95736626 2.17038681 -3.12278649]
 Sample 4517: [0.58275542 1.24257782 0.23708943 2.65175663 6.97927929
 -2.65198767
 4.29387533 -1.76079248 -2.63540465 -2.52943143 2.94136558 5.10923806
 2.72180333 -3.00901863 2.09419681 -3.17307784]
 Sample 4518: [0.53705883 1.22191607 0.28261926 2.6598611 7.01325562
 -2.70505761
 4.32318357 -1.78518563 -2.68541083 -2.53639734 2.91964678 5.0571241
 2.69452638 -3.07263292 2.03105302 -3.15056743]

Sample 4519: [0.55724024 1.25111053 0.20857515 2.60004349 7.08537238
 -2.68974571
 4.28813179 -1.80289218 -2.74023589 -2.48120614 2.87760423 5.12218974
 2.74945538 -3.12846926 2.01643849 -3.14183106]
 Sample 4520: [0.54254858 1.22637395 0.27963199 2.54440821 7.10028631
 -2.72703254
 4.19509819 -1.80851123 -2.71147262 -2.52422802 2.83526012 5.03791022
 2.74849215 -3.04500035 2.05277771 -3.06180318]
 Sample 4521: [0.57709968 1.28020008 0.21855011 2.53403617 7.10020482
 -2.72988529
 4.17820356 -1.80364797 -2.65658159 -2.55999028 2.79400533 5.02385425
 2.76186074 -2.94647839 2.15320255 -3.0249297]
 Sample 4522: [0.57007513 1.32470706 0.28249438 2.48402996 7.04204931
 -2.66944171
 4.22043174 -1.75833754 -2.66469061 -2.53021045 2.8176257 5.07118751
 2.78865374 -2.98432606 2.14637248 -3.01383842]
 Sample 4523: [0.57106347 1.23076995 0.23718031 2.47433771 7.01865724
 -2.67128959
 4.30865274 -1.82612418 -2.62797474 -2.462971 2.75356413 5.12460122
 2.71572991 -2.99316164 2.16969925 -3.08583087]
 Sample 4524: [0.5644346 1.24969223 0.29354539 2.3719811 7.00200134
 -2.701565
 4.2646424 -1.75200406 -2.61777909 -2.42849748 2.73983789 5.10054395
 2.73789066 -2.98753028 2.15970094 -3.14012594]
 Sample 4525: [0.55940959 1.23877973 0.22009931 2.37519486 6.99666399
 -2.69970787
 4.26021711 -1.75612494 -2.67994664 -2.42421329 2.78598589 5.11303764
 2.72188923 -2.99682842 2.17975178 -3.10394941]
 Sample 4526: [0.53714763 1.27918597 0.26718028 2.30837744 6.92392139
 -2.64614129
 4.28352755 -1.77503604 -2.76090923 -2.3534281 2.77357227 5.16593036
 2.72552146 -3.04062093 2.16242021 -3.1026435]
 Sample 4527: [0.54980128 1.22170337 0.22747431 2.35901109 6.90454608
 -2.61174179
 4.26521675 -1.79173791 -2.82370169 -2.26984763 2.78511568 5.1944741
 2.73992932 -2.99229521 2.21564952 -3.0772998]
 Sample 4528: [0.53058664 1.26204183 0.2570253 2.28737867 6.90087134
 -2.64805963
 4.22585208 -1.72495955 -2.86412283 -2.30374729 2.72471922 5.15371451
 2.65365422 -3.02770353 2.19864955 -3.06425073]
 Sample 4529: [0.56717223 1.22367268 0.22631365 2.27352958 6.86115544
 -2.68423923
 4.21619249 -1.72005849 -2.80527464 -2.37350866 2.79308173 5.11825944
 2.70667749 -2.99163867 2.13198567 -3.10942471]
 Sample 4530: [0.53580254 1.20679773 0.24273799 2.24138017 6.85279141
 -2.6536895
 4.1948509 -1.68167076 -2.84398179 -2.42756861 2.71662476 5.12530839
 2.76644181 -2.98963037 2.08113162 -3.00801696]

Sample 4531: [0.51622331 1.31017915 0.18659042 2.12014245 6.88434104
 -2.66844379
 4.23818679 -1.63108913 -2.84847573 -2.45246328 2.7113827 5.05133173
 2.84136015 -2.96541952 1.99609414 -2.97990555]
 Sample 4532: [0.54357022 1.175361 0.22116694 2.02181201 6.95020521
 -2.59311086
 4.24610181 -1.67969058 -2.90687993 -2.47114499 2.69436853 5.11828237
 2.84945955 -2.94466789 1.9529242 -2.93823208]
 Sample 4533: [0.53767022 1.24156925 0.20277152 1.96663787 6.9655445
 -2.6336671
 4.13618715 -1.65384403 -2.95762614 -2.4444923 2.7139942 5.07767951
 2.83860431 -2.98124965 1.92883241 -2.99857819]
 Sample 4534: [0.49159162 1.1977681 0.22575686 1.97160919 7.00324798
 -2.62804071
 4.14355614 -1.73571306 -2.95351619 -2.41844417 2.63724008 5.1125894
 2.82973426 -3.04308664 1.84289651 -2.97897893]
 Sample 4535: [0.54032081 1.22720159 0.28822737 1.94858289 7.03672512
 -2.59281891
 4.19890248 -1.7154508 -3.05323223 -2.34368646 2.60852958 5.12495493
 2.7701882 -3.03772816 1.85953911 -3.04865908]
 Sample 4536: [0.52423652 1.22718467 0.21903215 1.97502265 7.06372213
 -2.61768432
 4.21327897 -1.797573 -3.07296532 -2.32142126 2.59979361 5.12824844
 2.84129245 -2.94106806 1.8559959 -3.09229187]
 Sample 4537: [0.52677489 1.26797634 0.27837301 1.92667683 7.00230706
 -2.55434154
 4.2314594 -1.76863089 -2.95382237 -2.41222195 2.62200695 5.11195579
 2.76586569 -2.92830179 1.81912522 -3.08166864]
 Sample 4538: [0.52484098 1.21224904 0.23736082 1.92919661 7.0737582
 -2.53128478
 4.25471825 -1.79580339 -2.98277117 -2.39311566 2.61818528 5.07217325
 2.77661039 -2.95459814 1.83951831 -3.09092756]
 Sample 4539: [0.55691769 1.27347335 0.30941591 1.89908505 7.11638719
 -2.58379658
 4.28713064 -1.76032919 -3.04346145 -2.43269704 2.55309021 4.99513721
 2.81184123 -2.98396255 1.81490476 -3.07175015]
 Sample 4540: [0.46343463 1.21668281 0.23037884 1.93786642 7.10484101
 -2.57173977
 4.26188175 -1.78771688 -3.06158902 -2.44455442 2.4905614 5.0674338
 2.76935632 -2.9867213 1.82649275 -3.03645976]
 Sample 4541: [0.57213881 1.24284947 0.30266745 1.88036783 7.06208928
 -2.53208705
 4.24949836 -1.75280135 -3.08648468 -2.50368492 2.5037957 5.0465537
 2.78322098 -3.05490541 1.76179196 -2.99940578]
 Sample 4542: [0.52748278 1.25096673 0.22716059 1.84380336 7.02440827
 -2.54036093
 4.21304037 -1.75111975 -3.12289172 -2.4856782 2.54154492 5.07326603
 2.85907328 -3.0877946 1.81990041 -2.98077073]

Sample 4543: [0.5233168 1.22533162 0.2579348 1.71197352 6.97701689
 -2.61359243
 4.27446516 -1.75824917 -3.04808259 -2.53050414 2.48230497 5.007554
 2.81659377 -3.05981772 1.82836419 -3.04213718]
 Sample 4544: [0.53477266 1.20859989 0.24748131 1.66644851 7.01985941
 -2.602538
 4.26075681 -1.74582257 -3.05244605 -2.55581223 2.52314091 5.04255657
 2.83748946 -3.16388631 1.92333355 -3.14335096]
 Sample 4545: [0.47373677 1.22592238 0.3699429 1.7446363 6.97334365
 -2.51778178
 4.26391307 -1.73392836 -3.13517111 -2.60227275 2.46061711 5.00891632
 2.84059141 -3.1247759 1.89579102 -3.19196454]
 Sample 4546: [0.45113941 1.27706831 0.39156564 1.73617901 7.02806436
 -2.55700582
 4.32127465 -1.73904325 -3.14377545 -2.6153706 2.3865068 5.0442667
 2.85980598 -3.03625715 1.9043883 -3.12607178]
 Sample 4547: [0.46525418 1.27014375 0.3326607 1.67227622 7.00393041
 -2.63970324
 4.34411079 -1.74988749 -2.97574153 -2.61405305 2.33549972 5.0411618
 2.83471422 -3.03085165 1.91828347 -3.15961078]
 Sample 4548: [0.4630859 1.25246227 0.37871833 1.61010708 7.05861743
 -2.57266927
 4.34178531 -1.69111875 -3.04269885 -2.5513595 2.31897154 5.01053703
 2.86018884 -2.97083757 1.8918923 -3.21929313]
 Sample 4549: [0.45501794 1.2456529 0.29245915 1.56922881 7.02804021
 -2.5118159
 4.29492561 -1.62462821 -3.05667511 -2.6134614 2.27418868 5.00507467
 2.82131351 -2.91490367 1.91107375 -3.19499472]
 Sample 4550: [0.46952762 1.21671844 0.31726534 1.59281596 7.06520955
 -2.46024491
 4.31099943 -1.63043206 -3.0779461 -2.65275886 2.15662922 5.04838421
 2.82242605 -2.89968887 1.85365248 -3.18373825]
 Sample 4551: [0.52490948 1.24524508 0.31202439 1.6228145 7.12382764
 -2.47434831
 4.22332377 -1.67413256 -3.1054854 -2.65702236 2.13461018 5.13417932
 2.89858022 -2.9221391 1.85450533 -3.16176036]
 Sample 4552: [0.39992294 1.21373425 0.38400666 1.62376157 7.08737729
 -2.48249088
 4.13407201 -1.57901131 -3.03388628 -2.71255554 2.09316689 5.14646572
 2.86477368 -2.90987979 1.93775471 -3.1390389]
 Sample 4553: [0.41063454 1.21876029 0.26927684 1.69164379 7.00323982
 -2.55970964
 4.1340831 -1.60217456 -3.06320838 -2.81139392 2.09716026 5.15419683
 2.87673541 -2.94523349 1.89745846 -3.04693969]
 Sample 4554: [0.47795948 1.21381514 0.32655988 1.72402458 7.06330182
 -2.51877706
 4.12515892 -1.55404827 -3.04545147 -2.88456791 2.11537382 5.18636609
 2.98596935 -2.95888175 1.87563013 -3.08536408]

Sample 4555: [0.38869633 1.22854543 0.31508858 1.73389195 7.04223066
 -2.44404943
 4.16533611 -1.54819396 -3.08896562 -2.96587482 2.10146171 5.17456148
 3.03463369 -2.87474496 1.90244867 -3.1251154]
 Sample 4556: [0.40428523 1.16495278 0.36411895 1.68706438 7.06346625
 -2.53342329
 4.04231472 -1.61842298 -2.98405145 -2.98713806 2.00066479 5.16381537
 3.06707211 -2.88678414 1.87343986 -3.16849826]
 Sample 4557: [0.4608119 1.21557701 0.33553553 1.6615004 7.10940949
 -2.58273333
 3.97561933 -1.5827607 -2.98892781 -3.03936499 2.09243439 5.13426795
 3.03450895 -2.82244917 1.96506105 -3.09826107]
 Sample 4558: [0.46515941 1.1111313 0.34894893 1.70129919 7.04897508
 -2.60624913
 4.00301583 -1.65635507 -3.0305122 -3.07902488 2.04306338 5.05290588
 3.06633105 -2.8154605 2.07350416 -3.02023558]
 Sample 4559: [0.40521876 1.19440173 0.35012431 1.74370478 7.0426744
 -2.57404911
 3.93116812 -1.68533347 -3.01098879 -3.12619092 2.11792283 5.00521325
 3.05347899 -2.88386478 2.06432481 -2.98920083]
 Sample 4560: [0.39592978 1.14878548 0.39444712 1.68495379 7.06989039
 -2.54664202
 4.00488244 -1.71893739 -2.96026608 -3.19117328 2.12248742 5.04089804
 3.06189137 -2.97701363 2.16337061 -3.0435276]
 Sample 4561: [0.4238993 1.21706606 0.31660491 1.67521395 7.09723286
 -2.51401109
 4.08759314 -1.76578133 -2.92450189 -3.13994349 2.10204288 4.98964191
 3.05897503 -2.91250114 2.1690864 -3.04395003]
 Sample 4562: [0.41252663 1.20040312 0.44103019 1.6405036 7.03832737
 -2.54461137
 4.10390972 -1.81902318 -2.92605474 -3.10092317 2.20935897 5.05815777
 3.11036018 -2.78207151 2.16544213 -3.01575612]
 Sample 4563: [0.37005288 1.2335497 0.33939684 1.66440177 6.97962977
 -2.57176226
 4.04609082 -1.76348257 -2.87780373 -3.15406168 2.27301905 5.00456804
 3.02136648 -2.7310607 2.21096479 -2.92270961]
 Sample 4564: [0.41826659 1.16327211 0.38163649 1.62370843 6.97674943
 -2.56014397
 4.04090509 -1.69353232 -2.96359045 -3.11424123 2.26458975 5.07572358
 3.06381952 -2.70131104 2.13492934 -2.8772626]
 Sample 4565: [0.37927024 1.22782298 0.40021246 1.65319406 7.01970063
 -2.51083206
 4.06474643 -1.68991998 -2.99824044 -3.06784927 2.26283445 5.19409945
 3.14567936 -2.72060086 2.08634807 -2.93721828]
 Sample 4566: [0.40368984 1.19444464 0.3829267 1.70891529 7.09100252
 -2.52150735
 4.11352855 -1.71833714 -2.96421952 -3.02741313 2.21217115 5.19923347
 3.15121295 -2.68309211 2.05254208 -2.95868366]

Sample 4567: [0.39240776 1.2376075 0.39197066 1.75722744 7.0360722
 -2.51334093
 4.1823304 -1.69130972 -2.94262554 -2.98524127 2.22837352 5.19798112
 3.09436369 -2.76273971 2.08344715 -2.93235374]
 Sample 4568: [0.39888898 1.2179095 0.37970206 1.76212684 7.01034277
 -2.51539017
 4.16158322 -1.70819846 -2.97312246 -2.91118781 2.27017286 5.16807983
 3.05977055 -2.78263183 2.03414308 -2.94294408]
 Sample 4569: [0.32642556 1.20551047 0.35988723 1.78342208 6.97215273
 -2.55596461
 4.15610161 -1.76744984 -2.92753495 -2.88634024 2.28218341 5.16451026
 3.08547458 -2.86856675 2.01593499 -2.96754394]
 Sample 4570: [0.37549824 1.23039853 0.36373803 1.88968736 6.90201392
 -2.53804031
 4.16024582 -1.76804344 -3.00290656 -2.89900786 2.20613858 5.17358228
 3.0708412 -2.88754002 1.98370534 -2.94016524]
 Sample 4571: [0.37451639 1.22029295 0.39474604 1.91570649 6.94075539
 -2.52497194
 4.20008582 -1.81487374 -2.96243984 -2.92610724 2.19253028 5.15631923
 3.12953261 -2.95349302 1.99802703 -2.93524613]
 Sample 4572: [0.32055609 1.27737992 0.35942283 1.90850911 6.95204129
 -2.57992052
 4.17745127 -1.86012995 -3.00341316 -2.89323634 2.22868499 5.07770238
 3.18695126 -2.98222789 2.03327383 -3.00790183]
 Sample 4573: [0.38776794 1.18001928 0.40540951 1.92344519 6.95175623
 -2.50934425
 4.16466212 -1.85576103 -3.00918721 -2.89966743 2.21530543 5.07453717
 3.22409964 -2.93994571 2.04248555 -3.05547252]
 Sample 4574: [0.37227689 1.24241858 0.39844043 1.92412757 6.99111569
 -2.53875409
 4.144558 -1.87488365 -2.99582979 -2.86512962 2.26349864 5.05768148
 3.24709473 -3.03818935 1.98978083 -3.10018815]
 Sample 4575: [0.45068735 1.20074032 0.40200572 1.94014182 6.94365524
 -2.45596007
 4.20068312 -1.89936735 -3.04250557 -2.93373787 2.22329317 5.05507601
 3.27341315 -3.03921623 2.05093393 -3.14165171]
 Sample 4576: [0.37985786 1.2250865 0.42653461 1.97396928 6.91349354
 -2.5106582
 4.29333619 -1.97573591 -3.07492949 -2.83677785 2.23511062 4.95035507
 3.22022672 -2.97081919 2.02801323 -3.23522449]
 Sample 4577: [0.41072547 1.20670639 0.41436703 1.91892302 6.94783664
 -2.48380962
 4.32211542 -1.99990058 -3.05238261 -2.84139276 2.29635797 4.98723562
 3.15058638 -2.93915603 2.03597541 -3.24709945]
 Sample 4578: [0.43550729 1.23836367 0.46765484 1.8360302 6.98212244
 -2.55423735
 4.3689229 -2.01924578 -3.0496962 -2.8229258 2.3421941 4.98561254
 3.07935692 -2.95150923 2.00837441 -3.25694108]

Sample 4579: [0.46203704 1.26041113 0.40928272 1.81344274 7.02139326
 -2.65005389
 4.43592438 -2.05065667 -3.13397874 -2.89472429 2.20184267 4.87761431
 3.08714543 -2.9618757 2.00500944 -3.24639767]
 Sample 4580: [0.43806997 1.28595435 0.42672235 1.90857247 6.90322843
 -2.62015239
 4.45066562 -2.00976299 -3.17872223 -2.85390895 2.18377581 4.93859167
 3.12462024 -3.01692861 1.98833124 -3.19664953]
 Sample 4581: [0.46425818 1.26775397 0.42196434 1.88134758 6.97038088
 -2.6234124
 4.41646788 -1.92432485 -3.24815687 -2.76472902 2.17267158 4.99943855
 3.11967438 -2.98494743 1.94683669 -3.13563903]
 Sample 4582: [0.4829042 1.19947604 0.36531575 1.86885196 6.95297434
 -2.60115513
 4.30543881 -1.8974846 -3.20118588 -2.80784851 2.16397042 5.01000301
 3.1108999 -2.92280484 1.89475634 -3.11917354]
 Sample 4583: [0.44322384 1.27676297 0.38916837 1.88090583 6.96321375
 -2.66764114
 4.26256947 -1.88999968 -3.1265962 -2.6923697 2.14240059 5.00337761
 3.1304013 -2.99091353 1.83825312 -3.11152449]
 Sample 4584: [0.38888316 1.20270962 0.39055693 1.89037513 6.9529585
 -2.6353764
 4.27841213 -1.86308993 -3.15619308 -2.67916237 2.09378521 5.04127146
 3.08678324 -3.03904566 1.80265002 -3.12314119]
 Sample 4585: [0.55831475 1.2380576 0.37829805 1.83977624 7.04355363
 -2.68028736
 4.28619625 -1.87515452 -3.13259387 -2.67195416 2.17702067 5.07148463
 3.04126209 -3.10262048 1.83353572 -3.23918525]
 Sample 4586: [0.54970849 1.24386877 0.30025104 1.71407477 7.00615511
 -2.6482893
 4.25028741 -1.88533057 -3.13796732 -2.73237002 2.16314266 5.00200699
 2.98300137 -3.07580042 1.78675633 -3.22241759]
 Sample 4587: [0.53905187 1.18275677 0.33006964 1.69054616 6.96843525
 -2.67407406
 4.44829572 -1.95245318 -3.1406593 -2.7217976 2.17926996 4.9721356
 3.01882309 -3.05089563 1.77928374 -3.26429798]
 Sample 4588: [0.56819935 1.26178492 0.35544684 1.7170447 7.00379876
 -2.6702154
 4.33885877 -1.96274056 -3.15465394 -2.77916693 2.16125746 4.91331673
 2.99130811 -2.94879277 1.64473515 -3.25391213]
 Sample 4589: [0.49650857 1.19335481 0.34330953 1.74357337 7.06235868
 -2.64264873
 4.27567511 -1.99949993 -3.07257106 -2.84240513 2.11943806 4.93216578
 2.97350794 -2.99628705 1.77802913 -3.30108592]
 Sample 4590: [0.53651719 1.26059653 0.39405919 1.70913194 7.08310344
 -2.70664247
 4.32303901 -1.9106413 -3.08186543 -2.75111776 2.12363989 4.98371626
 2.97821033 -2.9666693 1.82947199 -3.35048761]

Sample 4591: [0.54249818 1.27033226 0.34181786 1.75072517 7.08058223
 -2.68932068
 4.42969175 -1.94728298 -3.10150248 -2.79293646 2.10969685 4.921171
 3.02572723 -3.01993667 1.76872136 -3.3883806]
 Sample 4592: [0.53902508 1.22283149 0.33762304 1.8195217 7.08125801
 -2.67032081
 4.41289972 -1.92362744 -3.0953313 -2.80696943 2.1012171 4.95047039
 3.02113292 -3.01857316 1.81263397 -3.30733371]
 Sample 4593: [0.5324729 1.24238782 0.39214182 1.77005093 7.08950187
 -2.71903685
 4.41134864 -1.87394332 -3.11173659 -2.8830118 2.09253447 4.93894264
 3.02399199 -3.0238609 1.8231458 -3.38232641]
 Sample 4594: [0.50012781 1.2752837 0.3234658 1.77383774 7.03027217
 -2.73833094
 4.45275135 -1.85684773 -3.14208967 -2.93356689 1.99860038 4.9384159
 3.09224893 -2.91341094 1.81923545 -3.3628509]
 Sample 4595: [0.52798859 1.26279001 0.41600395 1.83761083 7.0497641
 -2.72115595
 4.47852959 -1.83529975 -3.13190798 -3.01315807 1.87922174 4.88694473
 3.04545632 -2.96451734 1.90078649 -3.36853497]
 Sample 4596: [0.50111485 1.26018788 0.32705182 1.76435597 6.99901979
 -2.73181383
 4.517051 -1.84234065 -3.17811743 -3.02564827 1.82425802 4.86185265
 3.02601563 -3.02566524 1.80461852 -3.35999728]
 Sample 4597: [0.58561731 1.2852225 0.35553945 1.7723536 7.0193536
 -2.65392401
 4.57673119 -1.83061973 -3.15440838 -3.11749935 1.8118764 4.77377797
 3.04304425 -3.03826082 1.88463307 -3.4015139]
 Sample 4598: [0.56581031 1.25896341 0.29617012 1.77283941 7.04517471
 -2.66632454
 4.52246412 -1.83314994 -3.20461921 -3.13689076 1.93167147 4.81159585
 3.15199813 -3.04014818 1.93506913 -3.40776253]
 Sample 4599: [0.52008655 1.29645723 0.37083917 1.78898684 7.0984399
 -2.66731774
 4.59195282 -1.88327362 -3.20030291 -3.11377546 1.94349021 4.82449483
 3.15299132 -2.98976604 2.01229506 -3.41671911]
 Sample 4600: [0.48410931 1.25486926 0.35476193 1.80435347 7.00363548
 -2.71428578
 4.54326377 -1.7885829 -3.12379631 -3.18160092 1.94676008 4.77254447
 3.12395496 -2.92424327 2.1087909 -3.44514022]
 Sample 4601: [0.53243039 1.22363744 0.29153914 1.79854621 7.01834777
 -2.69644904
 4.54439964 -1.72500887 -3.24342675 -3.29212708 1.95195859 4.80044802
 3.17343061 -2.95243091 2.0629894 -3.40394161]
 Sample 4602: [0.54811114 1.26007267 0.36799222 1.78807028 7.05723187
 -2.64535398
 4.51203011 -1.78292566 -3.28505612 -3.33508307 1.98934285 4.85098158
 3.18718876 -2.99271257 2.12779769 -3.49675191]

Sample 4603: [0.47662757 1.23176313 0.33609999 1.75863599 7.05820644
 -2.59003142
 4.4111497 -1.75635254 -3.32002847 -3.41109309 1.96997147 4.83489185
 3.11013036 -3.00525286 2.12897474 -3.44108939]
 Sample 4604: [0.51034087 1.25644526 0.34346332 1.76951683 7.09101504
 -2.6038592
 4.52500155 -1.73408032 -3.2444922 -3.38878136 2.0290209 4.85364232
 3.09301326 -3.03162573 2.20678271 -3.42615898]
 Sample 4605: [0.56733223 1.28923636 0.31620884 1.81003276 7.11738638
 -2.6382259
 4.63572812 -1.78409646 -3.2123711 -3.35654643 1.95648023 4.84967525
 3.11988941 -3.02871412 2.21945512 -3.44289416]
 Sample 4606: [0.56758469 1.29529052 0.30715217 1.85261546 7.05544261
 -2.6184676
 4.69161428 -1.79156207 -3.2785918 -3.44687703 1.9541856 4.83930964
 3.22111743 -2.97510592 2.31565545 -3.41420902]
 Sample 4607: [0.55761439 1.30241045 0.31565612 1.78231835 6.96938352
 -2.61590156
 4.7633455 -1.76735595 -3.22209312 -3.44583036 1.93038306 4.86428938
 3.3014703 -3.08204256 2.37761403 -3.30821274]
 Sample 4608: [0.5153711 1.33741333 0.29936517 1.85538506 6.98919819
 -2.6562429
 4.76748586 -1.83446442 -3.22583951 -3.51373589 1.9532997 4.82598576
 3.27491485 -3.14797091 2.38542248 -3.22461934]
 Sample 4609: [0.5314915 1.37255993 0.3676275 1.7769594 7.01081315
 -2.63666596
 4.73891737 -1.74863181 -3.23240376 -3.4791011 1.98504078 4.79132531
 3.21793012 -3.12106881 2.39009865 -3.2522152]
 Sample 4610: [0.46781782 1.28825921 0.3243427 1.69682088 6.90819385
 -2.66545249
 4.71064711 -1.82297974 -3.27043379 -3.49557061 2.090195 4.86793926
 3.18180356 -3.14162654 2.43576932 -3.14086847]
 Sample 4611: [0.43444391 1.39364751 0.40843635 1.65419546 6.88056179
 -2.63496022
 4.73349596 -1.82101527 -3.22252569 -3.3894338 2.10523297 4.90156879
 3.1871834 -3.10385321 2.54574723 -3.03668135]
 Sample 4612: [0.39857178 1.3478083 0.37296552 1.72954211 6.81884349
 -2.60042937
 4.74370551 -1.77870081 -3.27055701 -3.33657006 2.12817338 4.99340294
 3.19262022 -3.07951412 2.50738815 -3.11276362]
 Sample 4613: [0.43720274 1.34449616 0.40322004 1.68284056 6.74608463
 -2.65348976
 4.64934561 -1.82946094 -3.25946357 -3.35078433 2.1387702 5.04814967
 3.2017457 -3.04719575 2.46573974 -3.10969512]
 Sample 4614: [0.51231113 1.34680015 0.42849646 1.80624014 6.70028754
 -2.65675353
 4.71238507 -1.88036635 -3.23494885 -3.37854213 2.09156994 4.9474283
 3.18319365 -3.0811992 2.45019494 -3.11542316]

Sample 4615: [0.38524249 1.33265799 0.39309154 1.81411514 6.68538793
 -2.65959282
 4.79570225 -1.86322169 -3.24888222 -3.37488322 2.07594892 4.97401065
 3.3354753 -3.07222352 2.41413369 -3.06289893]
 Sample 4616: [0.38869758 1.38865451 0.38428029 1.74775408 6.71829863
 -2.6901409
 4.74431355 -1.84408154 -3.15088618 -3.38455806 2.10006112 4.94816778
 3.31544791 -3.08636678 2.38435463 -3.06455441]
 Sample 4617: [0.40965686 1.30834889 0.39017593 1.69766749 6.69861562
 -2.76947483
 4.73727656 -1.83862514 -3.04699337 -3.44420701 2.11847645 5.01968712
 3.3184436 -3.11329162 2.31580404 -3.07122278]
 Sample 4618: [0.45608397 1.38979119 0.42389464 1.71197055 6.76099273
 -2.76262726
 4.74486073 -1.88322316 -3.04482773 -3.44387266 1.99744952 5.00766322
 3.32037601 -3.12502517 2.36599996 -3.01233745]
 Sample 4619: [0.44079576 1.35501869 0.40783249 1.69523982 6.7611887
 -2.7869427
 4.71822136 -1.91259021 -3.05869839 -3.51360563 1.94192808 4.9499565
 3.33611215 -3.09783435 2.36691124 -3.00230527]
 Sample 4620: [0.46877903 1.41395231 0.41449629 1.77218874 6.82366693
 -2.8094837
 4.77230359 -1.89981144 -3.07705766 -3.56832241 1.8867809 4.9523554
 3.3474216 -3.03967976 2.46293865 -2.89449256]
 Sample 4621: [0.38619543 1.32798388 0.40203655 1.76342582 6.82952739
 -2.80097111
 4.70685998 -1.88579811 -3.15350523 -3.65622937 1.89500484 4.92964191
 3.38823329 -3.04978074 2.47982989 -2.91270876]
 Sample 4622: [0.51671098 1.35199529 0.34885227 1.75243767 6.92283936
 -2.77384171
 4.62573425 -1.84974684 -3.11991265 -3.65591431 1.86064983 4.94626219
 3.35550516 -2.99709432 2.53097861 -2.96330309]
 Sample 4623: [0.50679003 1.32760427 0.28274107 1.83178253 6.8750182
 -2.77100832
 4.65666392 -1.87011621 -3.22825073 -3.64615422 1.8296775 4.94525248
 3.31924895 -2.88564615 2.55223911 -2.9853405]
 Sample 4624: [0.55990686 1.33919741 0.30255492 1.88014725 6.88552856
 -2.70766912
 4.56421027 -1.84302771 -3.17794678 -3.63794734 1.87549501 4.89419352
 3.23746715 -2.90386308 2.60898955 -2.99403488]
 Sample 4625: [0.58196741 1.30249836 0.2840859 1.89498758 6.81420809
 -2.61695514
 4.50502419 -1.82785559 -3.1998961 -3.63100463 1.7760041 4.85508049
 3.25023673 -2.94550516 2.66198797 -2.97330183]
 Sample 4626: [0.50173437 1.35246959 0.29543347 1.87185446 6.73630889
 -2.60577773
 4.46264 -1.75545779 -3.29103513 -3.67631441 1.81605978 4.83799222
 3.25347636 -2.95816104 2.69390298 -2.96888969]

Sample 4627: [0.48048587 1.29825021 0.28097522 1.86784486 6.81240173
 -2.55075607
 4.53804391 -1.75635239 -3.28774189 -3.6114517 1.77037101 4.88613366
 3.23415318 -3.0116957 2.66264185 -3.01292218]
 Sample 4628: [0.55586789 1.33212774 0.27943855 1.82128364 6.89994015
 -2.50755165
 4.5077528 -1.72355363 -3.23951947 -3.61839683 1.79942479 4.90625689
 3.2194057 -3.09508494 2.66880832 -2.98434705]
 Sample 4629: [0.54323456 1.25168574 0.31385589 1.79121987 6.92034323
 -2.5309172
 4.46409982 -1.73161343 -3.20378101 -3.70352 1.77410748 4.99674875
 3.21953325 -3.08496399 2.62911779 -3.05266323]
 Sample 4630: [0.47368283 1.25246978 0.31382928 1.79476874 6.83904529
 -2.5113817
 4.40228847 -1.6724835 -3.28738756 -3.74454184 1.79176857 4.98924774
 3.13457224 -3.06230115 2.61159793 -3.00695387]
 Sample 4631: [0.43995746 1.26010481 0.25988193 1.74091038 6.82262009
 -2.50730699
 4.40950071 -1.6489987 -3.33158228 -3.6995995 1.75195477 4.96456576
 3.18134848 -3.0876668 2.63174998 -3.0932851]
 Sample 4632: [0.49929266 1.27287211 0.26817747 1.7109126 6.74808252
 -2.41031512
 4.43147035 -1.60426059 -3.2194345 -3.63788702 1.76320748 4.93227281
 3.14556613 -3.08909243 2.62713039 -3.04742528]
 Sample 4633: [0.47557989 1.26994919 0.2878284 1.62206648 6.72248161
 -2.37081528
 4.32843734 -1.64689848 -3.247623 -3.74761533 1.72726188 4.84160252
 3.19816332 -3.1417299 2.70099909 -3.0262563]
 Sample 4634: [0.48546803 1.22555353 0.23230247 1.61212582 6.76997202
 -2.26946451
 4.30185654 -1.61057525 -3.24270926 -3.67696547 1.78808762 4.84606276
 3.13765906 -3.14978839 2.77717905 -3.12178397]
 Sample 4635: [0.49757047 1.23010634 0.30096237 1.57744167 6.72906056
 -2.21949019
 4.29340111 -1.5960517 -3.24715012 -3.68726677 1.86068721 4.86724162
 3.14042685 -3.04859479 2.71632165 -3.17815196]
 Sample 4636: [0.47572846 1.22786944 0.25067789 1.57874361 6.73228967
 -2.22769119
 4.32913793 -1.52083012 -3.28491364 -3.73978851 1.81247732 4.87547802
 3.11507078 -3.03095725 2.70989108 -3.15951715]
 Sample 4637: [0.42983957 1.2250796 0.24644599 1.59500822 6.7601573
 -2.20511809
 4.30639074 -1.51323416 -3.26959534 -3.749609 1.81623325 4.91304447
 3.128504 -3.02423604 2.75716326 -3.09177739]
 Sample 4638: [0.42985429 1.2856897 0.30047974 1.64938037 6.75489575
 -2.27170834
 4.38948836 -1.5113259 -3.16755775 -3.72458082 1.79330377 4.9449991
 3.14342704 -2.99741589 2.75020214 -3.03468744]

Sample 4639: [0.40680039 1.24133999 0.29236807 1.74366405 6.67784172
 -2.2453307
 4.30177003 -1.42530721 -3.08451781 -3.72466587 1.71133116 4.9711129
 3.13732931 -3.00335065 2.69501045 -3.09617517]
 Sample 4640: [0.45104801 1.23475241 0.24222346 1.77640141 6.61842584
 -2.24545125
 4.2973181 -1.45162679 -3.0422392 -3.7116306 1.7740187 5.03348612
 3.1272749 -2.96270752 2.79375919 -2.99470588]
 Sample 4641: [0.42706492 1.24967055 0.23518294 1.78954705 6.59024651
 -2.22461694
 4.24375144 -1.50014057 -3.00156442 -3.716973 1.78662837 5.02833799
 3.11122341 -2.91582014 2.89161495 -2.98147565]
 Sample 4642: [0.4742441 1.24440684 0.23049526 1.82470964 6.68546945
 -2.23207711
 4.17010043 -1.56119706 -3.04303051 -3.77548453 1.76158996 4.97112086
 3.14060889 -2.98033055 2.91270658 -3.01990479]
 Sample 4643: [0.4453776 1.14825149 0.27843069 1.78997657 6.69863532
 -2.21977337
 4.16977014 -1.58600693 -3.01042229 -3.69855837 1.80748632 4.96009499
 3.07080804 -2.98136271 2.95389008 -3.02537736]
 Sample 4644: [0.3477921 1.23847284 0.25953116 1.89141226 6.83663167
 -2.1855984
 4.15382242 -1.56847246 -3.04793562 -3.7520565 1.79677089 4.92111728
 2.99797421 -3.08944647 2.98723408 -3.01148722]
 Sample 4645: [0.4469964 1.18746003 0.27958332 1.83733837 6.81515785
 -2.20963218
 4.11695732 -1.56705659 -2.98977051 -3.6812622 1.80149239 4.9100627
 2.97302513 -3.05674252 2.93876113 -2.99674599]
 Sample 4646: [0.40342493 1.20861557 0.27809509 1.80118243 6.70911757
 -2.24391831
 4.13288186 -1.57912023 -2.90775901 -3.80950353 1.84394867 4.98524779
 2.97698516 -3.06202112 2.90846603 -3.01622342]
 Sample 4647: [0.38977732 1.21774518 0.33134433 1.80605378 6.68791791
 -2.17225421
 4.13903488 -1.54259807 -2.9413401 -3.77138456 1.77826461 5.01975609
 2.98792507 -3.13595646 2.89447792 -3.02787393]
 Sample 4648: [0.37585031 1.20274506 0.28212589 1.73249811 6.69884524
 -2.17110715
 4.11330079 -1.5653262 -2.91175608 -3.67889931 1.78565076 5.08628606
 2.9380765 -3.13573322 2.9038297 -2.97208983]
 Sample 4649: [0.42657493 1.22952092 0.25879938 1.77120799 6.72616042
 -2.13817869
 4.12941105 -1.52451971 -2.85703149 -3.69279633 1.74558148 5.07452941
 2.8572131 -3.26900841 2.93350826 -2.9550515]
 Sample 4650: [0.46905942 1.18677691 0.22626937 1.77378668 6.69726297
 -2.08880024
 4.15161794 -1.42256985 -2.81600284 -3.6344765 1.71575221 5.12727042
 3.01738631 -3.13814546 2.90829943 -2.94045291]

Sample 4651: [0.4052437 1.24777031 0.21019223 1.77735201 6.64872629
 -2.11963811
 4.11494986 -1.39896069 -2.84162551 -3.53924675 1.63653094 5.23954509
 3.01903569 -3.02313921 2.89386934 -2.97560284]
 Sample 4652: [0.42602745 1.21630484 0.23860238 1.7895895 6.71391386
 -2.09031577
 4.17348685 -1.3902285 -2.853625 -3.59745443 1.67842484 5.21998949
 3.06278067 -3.03935095 2.89985187 -2.93314825]
 Sample 4653: [0.42041385 1.25595866 0.18435995 1.76949987 6.7907015
 -2.1503801
 4.16378691 -1.35663731 -2.90186085 -3.51878921 1.71656954 5.16164331
 3.03819066 -3.02637187 2.88454707 -2.89819999]
 Sample 4654: [0.42049237 1.21142091 0.21243938 1.76517057 6.8321871
 -2.07939733
 4.20787656 -1.35140001 -2.95998066 -3.56141335 1.70303969 5.13693188
 3.0109787 -2.93515504 2.9420622 -2.93717277]
 Sample 4655: [0.43213126 1.30041771 0.19645666 1.7351675 6.83739899
 -2.15109285
 4.21902802 -1.40551176 -3.01318884 -3.61459398 1.70483512 5.17711388
 2.95809017 -3.03537799 2.93382267 -2.8619236]
 Sample 4656: [0.4272306 1.27770943 0.22992019 1.82749085 6.81516295
 -2.12244503
 4.25125388 -1.32867218 -2.96311631 -3.56043921 1.61561069 5.12332779
 2.90874314 -3.06176469 2.89190164 -2.85581631]
 Sample 4657: [0.41768664 1.26870687 0.21728086 1.87464523 6.87753118
 -2.06939925
 4.325233 -1.3063131 -2.87513731 -3.68619926 1.62496299 5.14825301
 2.94604432 -3.04168271 3.02511082 -2.88817482]
 Sample 4658: [0.38106166 1.28203312 0.19404886 1.89209139 6.86968184
 -2.02593557
 4.33789398 -1.32194666 -2.95852647 -3.68177594 1.6409701 5.19520186
 2.97266087 -3.13077838 3.03710814 -2.97228894]
 Sample 4659: [0.37126794 1.30055882 0.24266178 1.90901729 6.85513638
 -1.97997831
 4.34714569 -1.40077591 -2.96828706 -3.6737514 1.6421948 5.13047377
 2.95470765 -3.15664648 3.01917047 -2.95489997]
 Sample 4660: [0.33512397 1.18999988 0.24328071 2.01883399 6.93798417
 -1.9046759
 4.22027164 -1.47315893 -3.02227663 -3.64850566 1.71117402 5.15384124
 3.02335169 -3.19370249 2.95872224 -2.9782283]
 Sample 4661: [0.35455765 1.21962298 0.29145293 2.05069939 6.93793707
 -1.92175039
 4.18794937 -1.49607309 -2.98598367 -3.71775409 1.6589894 5.19457573
 3.02266396 -3.218474 2.91104474 -3.05270472]
 Sample 4662: [0.29398105 1.23458467 0.30525831 2.07473601 6.88931967
 -1.96160012
 4.26062792 -1.50347199 -3.03832009 -3.69291086 1.62149058 5.17687649
 3.01886686 -3.28697734 2.89674963 -3.01779432]

Sample 4663: [0.3188775 1.24110411 0.31725098 2.08813196 6.90729914
 -1.96201528
 4.22740846 -1.49972802 -3.05809905 -3.67259282 1.63172814 5.16017447
 2.9644057 -3.31957755 2.8560894 -3.05885496]
 Sample 4664: [0.31435127 1.24642976 0.32514437 2.15220006 6.98190787
 -1.889052
 4.19446606 -1.55019822 -2.98957283 -3.60940842 1.62569251 5.17583311
 3.0126407 -3.32511015 2.86507123 -3.05139526]
 Sample 4665: [0.35825504 1.18311857 0.2677088 2.16732635 7.03858071
 -1.81075539
 4.13302995 -1.53892999 -3.06569206 -3.55381605 1.67041662 5.22041726
 3.00608177 -3.36750707 2.77347134 -3.02362405]
 Sample 4666: [0.31029789 1.26751879 0.30595895 2.16178703 6.96975973
 -1.8321055
 4.08611883 -1.54405989 -3.04459001 -3.5931885 1.6235156 5.25345692
 3.05544013 -3.43978648 2.80981043 -3.05800793]
 Sample 4667: [0.32737673 1.18630608 0.3026831 2.15702548 6.97551076
 -1.85893602
 4.11766226 -1.57063274 -3.03648836 -3.64341978 1.58399707 5.30725725
 3.09977369 -3.36242815 2.87989469 -2.98030339]
 Sample 4668: [0.35986791 1.26781428 0.33726764 2.1226885 6.92185956
 -1.975072
 4.12805776 -1.47723956 -3.13308297 -3.62537169 1.62987181 5.35387768
 3.04177801 -3.40507862 2.93255029 -2.9798528]
 Sample 4669: [0.33054293 1.19348218 0.29259359 2.11121433 6.95156957
 -1.89819079
 4.15683472 -1.42049364 -3.13853715 -3.53931228 1.66162126 5.35173117
 3.06385017 -3.41580973 2.95440897 -2.98965866]
 Sample 4670: [0.30915013 1.23913339 0.30674701 2.10823431 6.94440216
 -1.88425346
 4.05657401 -1.41984237 -3.15849954 -3.48170988 1.69499828 5.39611097
 3.00419962 -3.34446383 2.99312941 -3.03474101]
 Sample 4671: [0.2857256 1.17213784 0.26943935 2.14183969 7.02380089
 -1.92122579
 4.03628977 -1.52968305 -3.14630731 -3.44504437 1.71283651 5.28341947
 3.08021284 -3.32009915 3.06815699 -2.88079362]
 Sample 4672: [0.25491039 1.21744417 0.29212197 2.06474618 7.02070795
 -1.93767068
 4.0752669 -1.52216263 -3.20703945 -3.40205922 1.68829047 5.20742998
 3.07828397 -3.36679049 3.03328816 -2.88026296]
 Sample 4673: [0.2784455 1.22284677 0.29116487 2.10144676 6.97760217
 -1.98616858
 4.06059727 -1.48083143 -3.26301485 -3.49565666 1.74531339 5.28274929
 3.11364247 -3.41789649 3.09083658 -2.87699886]
 Sample 4674: [0.28255403 1.19407849 0.27306604 2.1343504 6.95721236
 -2.00553399
 4.04990527 -1.4688753 -3.30886012 -3.49892986 1.64824753 5.34635864
 3.09603143 -3.42430242 3.0447717 -2.90129621]

Sample 4675: [0.30735108 1.23947041 0.28637886 2.14655403 6.96024971
 -2.04404794
 4.06757152 -1.44075205 -3.34192103 -3.48380621 1.64231625 5.30793719
 3.02575422 -3.4525414 3.02843416 -2.95369963]
 Sample 4676: [0.33908453 1.15542206 0.29999362 2.22179986 6.92513516
 -2.00398711
 4.0486291 -1.50007433 -3.36198554 -3.53579368 1.62462125 5.21909233
 2.9758304 -3.43722877 3.07001285 -2.9757664]
 Sample 4677: [0.3840207 1.23851497 0.28390576 2.28309462 6.99675152
 -2.09672377
 4.02164301 -1.48407843 -3.38830718 -3.49891022 1.60856344 5.2056533
 3.01424736 -3.32756946 3.07172987 -2.94529608]
 Sample 4678: [0.43352428 1.19531229 0.30760887 2.29242007 6.96943216
 -2.12140329
 3.96626294 -1.63770652 -3.33516959 -3.568867 1.61015603 5.22935431
 2.98313301 -3.35878564 3.03999128 -2.89228486]
 Sample 4679: [0.46939363 1.18488531 0.28664111 2.36480384 6.91409076
 -2.09379057
 4.01754245 -1.61031673 -3.34288181 -3.53174429 1.59809279 5.17340127
 2.88886172 -3.33885371 3.01867324 -2.86576211]
 Sample 4680: [0.44871043 1.21241347 0.29583591 2.30483209 6.96604004
 -2.07411938
 4.02737205 -1.65744586 -3.34320019 -3.6242404 1.55409664 5.09772426
 2.86878948 -3.33222322 3.03569559 -2.88065646]
 Sample 4681: [0.43827379 1.18029775 0.3473744 2.3396367 6.9684737
 -2.10398653
 4.07510072 -1.80382038 -3.35214262 -3.62758265 1.6222125 5.18855134
 2.85049966 -3.33922062 3.16478203 -2.91319343]
 Sample 4682: [0.37640835 1.24935104 0.32504561 2.38647548 6.93685784
 -2.19636028
 4.10736781 -1.73627787 -3.41246656 -3.68938951 1.61596779 5.20147268
 2.8572291 -3.27163157 3.22064895 -2.91966957]
 Sample 4683: [0.38104345 1.22071792 0.35312165 2.46196215 6.89018131
 -2.11033688
 4.14512079 -1.70646602 -3.40843621 -3.61792599 1.58694968 5.23553576
 2.8866738 -3.2011768 3.12285115 -2.90299007]
 Sample 4684: [0.39549555 1.25209592 0.27858481 2.44081116 6.93657228
 -2.11059812
 4.18877698 -1.72102547 -3.48921895 -3.62126974 1.62728877 5.22284327
 2.87580294 -3.19205279 3.07849159 -2.90148588]
 Sample 4685: [0.43515416 1.21139386 0.36874603 2.45984632 7.07095095
 -2.10940309
 4.19590783 -1.78143375 -3.59180595 -3.687457 1.56833299 5.22606197
 2.8559107 -3.22190984 3.076632 -2.88449403]
 Sample 4686: [0.44915532 1.22903637 0.30662389 2.40501904 6.98085188
 -2.10413159
 4.15691842 -1.80700871 -3.52162584 -3.73982533 1.53810269 5.20503483
 2.84759474 -3.21591346 3.1532477 -2.9265323]

Sample 4687: [0.46045215 1.23471762 0.32795885 2.4096005 6.98883508
 -2.105806
 4.11427523 -1.82171875 -3.54331255 -3.79818328 1.59241023 5.20861459
 2.95753757 -3.18280462 3.1965421 -2.91294807]
 Sample 4688: [0.43965246 1.26954028 0.29267441 2.41316674 6.99057343
 -2.18691283
 4.15086662 -1.72505798 -3.49445593 -3.80526502 1.53028744 5.26095252
 2.87605645 -3.16796775 3.14209197 -2.88292024]
 Sample 4689: [0.40850633 1.23596736 0.32622692 2.42341191 7.03355428
 -2.22438817
 4.2108322 -1.71668775 -3.44216836 -3.804081 1.58101503 5.30612667
 2.98910307 -3.20493496 3.10294384 -2.88025439]
 Sample 4690: [0.43129545 1.28071408 0.35910602 2.31026025 7.01590943
 -2.24984643
 4.25887375 -1.77038377 -3.49492384 -3.80058077 1.54161024 5.26069982
 2.93713573 -3.24195387 3.13652827 -2.86164155]
 Sample 4691: [0.38484036 1.26666518 0.34048165 2.32943227 7.05462598
 -2.1795898
 4.3227942 -1.67815414 -3.5248038 -3.76333684 1.55846339 5.27331274
 2.92675967 -3.21946466 3.13824589 -2.86650146]
 Sample 4692: [0.41983512 1.24147655 0.29752566 2.36161768 7.06702516
 -2.08641833
 4.31661723 -1.70192621 -3.50582634 -3.81734214 1.5268586 5.19818671
 2.9982487 -3.30185158 3.05908319 -2.84670274]
 Sample 4693: [0.40957911 1.32195357 0.30425761 2.41837213 6.98181867
 -2.10483647
 4.35804618 -1.69424721 -3.53360443 -3.90753946 1.55951556 5.19682936
 3.01299835 -3.19136777 3.01393944 -2.78980161]
 Sample 4694: [0.34526872 1.29645103 0.31944243 2.43704286 6.92524666
 -2.15743418
 4.30610442 -1.73484988 -3.51035123 -3.99343647 1.5643177 5.24742924
 3.00655312 -3.1936206 3.01066279 -2.60358003]
 Sample 4695: [0.29136709 1.37496682 0.31808009 2.34918897 6.94037909
 -2.19089987
 4.30403804 -1.74395907 -3.6344838 -3.90931163 1.64919359 5.29620532
 3.09235079 -3.18661954 3.06336052 -2.58216155]
 Sample 4696: [0.33688671 1.29412632 0.37998514 2.20244075 6.9474631
 -2.15406412
 4.30231349 -1.7290389 -3.63976922 -3.89189638 1.60486969 5.32112209
 3.11940334 -3.27384798 3.12893742 -2.58639544]
 Sample 4697: [0.29016427 1.31258514 0.35948517 2.26143316 6.91162886
 -2.17520551
 4.32532616 -1.73248404 -3.67141609 -3.91001476 1.53154072 5.28510233
 3.11134177 -3.28966951 3.17095269 -2.5076887]
 Sample 4698: [0.2782816 1.2934796 0.35892893 2.24693364 6.87030503
 -2.08137566
 4.38815844 -1.76886968 -3.70814349 -4.02124449 1.4190484 5.27249707
 3.15853335 -3.29315233 3.21344861 -2.53870146]

Sample 4699: [0.27108188 1.35766616 0.36300029 2.28908624 6.8211558
 -2.0270428
 4.33228799 -1.79881571 -3.67414045 -3.95274476 1.486362 5.28146316
 3.19019138 -3.28312868 3.22521096 -2.53117198]
 Sample 4700: [0.25053963 1.40529346 0.33919891 2.20607722 6.72815586
 -2.09255118
 4.42986245 -1.78766099 -3.71674494 -3.9155046 1.46403919 5.24393543
 3.2546451 -3.30592958 3.23741659 -2.57271192]
 Sample 4701: [0.23972763 1.29472718 0.37655609 2.36205592 6.65398447
 -2.05345129
 4.39319813 -1.72348472 -3.85380855 -3.85482259 1.46959359 5.22534644
 3.1568855 -3.35535125 3.1981988 -2.5126697]
 Sample 4702: [0.30440075 1.31246741 0.27566354 2.33621299 6.72782405
 -2.02292966
 4.42733863 -1.77059928 -3.87394199 -3.80012623 1.49520856 5.24215211
 3.14217377 -3.39794059 3.17145145 -2.53320618]
 Sample 4703: [0.24655426 1.3816097 0.37041888 2.375358 6.72928658
 -1.97173319
 4.49312931 -1.75155592 -3.93010743 -3.77084453 1.43884186 5.21577852
 3.13532391 -3.36837194 3.06976766 -2.58527873]
 Sample 4704: [0.18342799 1.30397204 0.31942486 2.32082411 6.69682845
 -2.00339979
 4.44448423 -1.76463027 -3.96659882 -3.76502466 1.41325381 5.32824658
 3.12142994 -3.41044532 3.07658863 -2.50540236]
 Sample 4705: [0.27294678 1.34161058 0.35286891 2.40029436 6.7228106
 -2.03428147
 4.43684796 -1.7767703 -3.97011088 -3.79472528 1.49212051 5.36512133
 3.0567868 -3.35995194 3.04191916 -2.49020558]
 Sample 4706: [0.31852187 1.36391663 0.36308038 2.46299972 6.78218488
 -1.96050495
 4.33451691 -1.81650568 -3.91150843 -3.81607059 1.3854467 5.34651667
 3.0513932 -3.33728755 2.92576124 -2.46007946]
 Sample 4707: [0.28074631 1.3168923 0.37182032 2.48729612 6.71049496
 -1.94727018
 4.38419471 -1.86339739 -3.90395798 -3.69631466 1.31890569 5.38367621
 3.08611444 -3.32854263 2.87239511 -2.48995224]
 Sample 4708: [0.26184638 1.3348788 0.40175398 2.54603012 6.84426852
 -2.00853719
 4.48028974 -1.85032942 -3.87440318 -3.74422637 1.33184046 5.36551307
 3.03825925 -3.33559807 2.85620138 -2.35763863]
 Sample 4709: [0.30451909 1.39231645 0.35580109 2.47062185 6.91196026
 -2.00834307
 4.48312993 -1.84001895 -3.89646072 -3.79313089 1.38154315 5.29599104
 2.96427892 -3.19633753 2.7845355 -2.34341278]
 Sample 4710: [0.32212493 1.45454271 0.36072845 2.45019646 6.87872425
 -1.98740025
 4.55218439 -1.87276033 -3.84996394 -3.75933079 1.43636575 5.35032151
 2.9321831 -3.22968384 2.73058037 -2.41410666]

Sample 4711: [0.29181032 1.39853008 0.42402815 2.42085283 6.87361582
 -1.95671043
 4.63778914 -1.78512916 -3.78454674 -3.806707 1.49423157 5.29407471
 2.90429215 -3.20222119 2.68886316 -2.51093173]
 Sample 4712: [0.33117586 1.3761892 0.33223399 2.3930456 6.77598496
 -1.92703765
 4.68573453 -1.77535803 -3.75462691 -3.71859382 1.47854436 5.26149693
 2.86114553 -3.05578472 2.71251019 -2.52582744]
 Sample 4713: [0.39415517 1.48869771 0.36724922 2.40420873 6.78999718
 -1.82951844
 4.72714003 -1.77115807 -3.77816329 -3.68524862 1.51602833 5.32151611
 2.8253718 -2.96819956 2.76165179 -2.62265981]
 Sample 4714: [0.35964358 1.40184888 0.37011674 2.45853865 6.80053789
 -1.77540259
 4.67712541 -1.73150875 -3.8106366 -3.73825715 1.53348029 5.36944852
 2.83881439 -2.89982182 2.77676023 -2.62284845]
 Sample 4715: [0.29679289 1.39954456 0.33500645 2.46138795 6.78647967
 -1.79817256
 4.71625596 -1.69981086 -3.76548422 -3.68697782 1.50787074 5.34293272
 2.77086423 -2.87230248 2.7933522 -2.60502621]
 Sample 4716: [0.35190354 1.40549938 0.31814125 2.5340774 6.82457697
 -1.75686393
 4.7001922 -1.77056711 -3.75199619 -3.68038871 1.50643464 5.22125213
 2.79992432 -2.83146911 2.74112646 -2.60289764]
 Sample 4717: [0.30528638 1.38422274 0.29840017 2.51559229 6.77555231
 -1.6484539
 4.7083275 -1.72715485 -3.83161253 -3.63798164 1.50376853 5.17762074
 2.8323711 -2.85310038 2.72460192 -2.55673735]
 Sample 4718: [0.30878274 1.41779161 0.26055327 2.51009839 6.68944159
 -1.64085774
 4.77051716 -1.797651 -3.81065023 -3.52011774 1.47908028 5.1557567
 2.86064265 -2.80192862 2.86964578 -2.53785102]
 Sample 4719: [0.31673361 1.39838576 0.30736353 2.50572472 6.71673047
 -1.61513971
 4.79693143 -1.66393923 -3.81308814 -3.53394699 1.47746569 5.13851736
 2.89079246 -2.77603808 2.97065386 -2.54458659]
 Sample 4720: [0.23899659 1.40197435 0.37613343 2.53723469 6.78819476
 -1.66504042
 4.70198308 -1.63188022 -3.7668129 -3.51389334 1.41165681 5.11408801
 2.96139567 -2.85616878 2.9687513 -2.61630178]
 Sample 4721: [0.28343103 1.40216299 0.28965151 2.6142986 6.81683306
 -1.67621996
 4.56885698 -1.60034001 -3.76433996 -3.44003197 1.4214338 5.16443362
 3.01279497 -2.77117083 2.91715702 -2.69212877]
 Sample 4722: [0.31250015 1.36569609 0.32930074 2.56175898 6.8646061
 -1.64865654
 4.57165002 -1.60198899 -3.73493391 -3.44851795 1.39578344 5.11404122
 3.08041138 -2.72835235 2.97963312 -2.68724442]

Sample 4723: [0.30328333 1.30509868 0.27676918 2.57926018 6.82013199
 -1.66373956
 4.51081742 -1.57444425 -3.71067147 -3.39604804 1.37157273 5.05520475
 3.02394739 -2.69822824 2.98982279 -2.70704969]
 Sample 4724: [0.37190097 1.31360755 0.27250893 2.56788944 6.88078801
 -1.70562944
 4.48007756 -1.43843976 -3.67949657 -3.37014489 1.35884032 5.07524967
 2.96267402 -2.62534287 2.99344061 -2.69636737]
 Sample 4725: [0.35077562 1.36422679 0.24704389 2.65311109 6.90079768
 -1.72042319
 4.505036 -1.42130458 -3.70233365 -3.40284232 1.42908773 5.03924493
 2.91642527 -2.50417897 3.10675005 -2.78789236]
 Sample 4726: [0.32894983 1.29046499 0.23783039 2.6822236 6.88199577
 -1.67626026
 4.53406302 -1.49491411 -3.68311886 -3.41561577 1.42820763 5.01621311
 2.9188881 -2.55517697 3.0716619 -2.7613975]
 Sample 4727: [0.27791066 1.38474083 0.26071077 2.64341588 6.865119
 -1.68964171
 4.50401172 -1.55629981 -3.70446935 -3.41597766 1.58606804 5.00850094
 2.91289886 -2.62961961 3.0050003 -2.74884893]
 Sample 4728: [0.38032714 1.40989615 0.27009704 2.60910918 6.94127732
 -1.676051
 4.60448703 -1.45076645 -3.66235995 -3.43340561 1.54605567 4.93187384
 2.92328327 -2.63184992 2.96548621 -2.7639666]
 Sample 4729: [0.37831242 1.40781159 0.20327259 2.56162382 6.97736766
 -1.6629859
 4.58312694 -1.40350274 -3.62605119 -3.42572365 1.54415212 4.87496339
 2.88301494 -2.54567454 2.97892076 -2.78522155]
 Sample 4730: [0.35339622 1.36862527 0.24442198 2.53565871 6.99919981
 -1.63234509
 4.53994698 -1.40717146 -3.59832251 -3.3522545 1.57599572 4.88868833
 2.86844301 -2.5220225 2.99365934 -2.83705844]
 Sample 4731: [0.31259745 1.34410545 0.2358596 2.51376797 7.07697476
 -1.59253686
 4.60520277 -1.45700419 -3.69886288 -3.34790844 1.61222223 4.78647178
 2.88037973 -2.52094725 3.0894971 -2.82619163]
 Sample 4732: [0.27658284 1.36419828 0.23994283 2.49907805 7.08718457
 -1.63234217
 4.58432636 -1.46041368 -3.66905501 -3.38208512 1.57534014 4.6772251
 2.87017133 -2.55413047 3.09191214 -2.72818805]
 Sample 4733: [0.33225047 1.363183 0.33715106 2.47315474 7.00092783
 -1.64889239
 4.59676385 -1.43329583 -3.72084263 -3.32789669 1.61881996 4.6786408
 2.86089823 -2.65805991 3.10535735 -2.70601511]
 Sample 4734: [0.35488053 1.33749298 0.26322275 2.37759594 6.99237765
 -1.64711128
 4.56976973 -1.47297626 -3.67949369 -3.29588641 1.65230015 4.70591764
 2.8507296 -2.66785154 3.12177987 -2.75386181]

Sample 4735: [0.25076227 1.33868225 0.24975395 2.39809525 7.03858181
 -1.68138128
 4.71123925 -1.36850119 -3.62716019 -3.32207463 1.72194688 4.71441256
 2.84190163 -2.61939081 3.21497538 -2.77165474]
 Sample 4736: [0.19043009 1.37133859 0.27618466 2.47732962 7.06531268
 -1.74902719
 4.74454349 -1.34601971 -3.57375901 -3.31014064 1.69288589 4.74266364
 2.87401828 -2.63020147 3.28463538 -2.80740853]
 Sample 4737: [0.28348122 1.36876213 0.27000803 2.47630071 7.06728606
 -1.67782554
 4.80407134 -1.42840492 -3.60058893 -3.23131284 1.64079536 4.74692146
 2.88930153 -2.51546969 3.34322835 -2.8781543]
 Sample 4738: [0.25912942 1.38616306 0.31559657 2.49475597 7.06392066
 -1.67561017
 4.76100881 -1.31939445 -3.55989692 -3.26521793 1.59106216 4.7345539
 2.89401309 -2.54981558 3.43203382 -2.95872548]
 Sample 4739: [0.25332845 1.31912661 0.21071591 2.47860793 7.11935282
 -1.66197619
 4.69474612 -1.31994104 -3.57427979 -3.34357 1.56631799 4.69968358
 2.85742919 -2.6100235 3.38906391 -2.94312229]
 Sample 4740: [0.33320625 1.32565946 0.33498703 2.53942458 7.0907082
 -1.59817364
 4.7181714 -1.30860377 -3.58935868 -3.30216794 1.61933926 4.71373422
 2.87972069 -2.69621754 3.44229179 -3.02463594]
 Sample 4741: [0.2858678 1.3399783 0.24301184 2.54933345 7.08502948
 -1.62891762
 4.78264005 -1.34340816 -3.52303257 -3.28220368 1.70585501 4.75676123
 2.9131492 -2.63783235 3.47174686 -2.98733334]
 Sample 4742: [0.18386743 1.3702722 0.23544971 2.61985202 7.18942849
 -1.59445232
 4.79857835 -1.28605214 -3.55113085 -3.23333097 1.70139101 4.78327704
 2.82392998 -2.67206966 3.4451996 -2.96947783]
 Sample 4743: [0.25257813 1.41609112 0.24972888 2.65165058 7.22291121
 -1.55316315
 4.87582915 -1.22336153 -3.55079236 -3.22560971 1.65686298 4.82923582
 2.82930945 -2.74471117 3.4888876 -2.93323024]
 Sample 4744: [0.22199512 1.34835655 0.21338875 2.67340287 7.25458979
 -1.48985277
 4.8575936 -1.16222327 -3.55286705 -3.25859581 1.69188506 4.86983022
 2.84397289 -2.76447883 3.54096349 -2.92400241]
 Sample 4745: [0.25327808 1.41451058 0.24190223 2.75325244 7.34040804
 -1.44170908
 4.79161009 -1.27649271 -3.59062852 -3.32195226 1.73488088 4.85983225
 2.79445239 -2.74101541 3.47919548 -2.99268162]
 Sample 4746: [0.27152887 1.33614519 0.16292612 2.83193499 7.35390336
 -1.43484141
 4.86375008 -1.19791244 -3.4842342 -3.34883807 1.78539151 4.91331118
 2.82980619 -2.73321016 3.46231432 -3.00179996]

Sample 4747: [0.30515096 1.37948856 0.22401082 2.8610135 7.411353
 -1.48846609
 4.8233935 -1.24155445 -3.49920165 -3.27754681 1.81589909 4.89609331
 2.92932714 -2.69071713 3.45890475 -3.00963183]
 Sample 4748: [0.20697348 1.34731023 0.21524895 2.88698296 7.36386171
 -1.56979003
 4.76378925 -1.18263621 -3.46188244 -3.22858344 1.82515173 4.89293553
 2.9460573 -2.61583885 3.40357088 -3.04298767]
 Sample 4749: [0.24638346 1.38302667 0.21479467 2.87821378 7.43123912
 -1.54508179
 4.76915213 -1.15722304 -3.59701554 -3.22684673 1.82689824 4.90467977
 2.85900414 -2.63506713 3.43456226 -2.96054999]
 Sample 4750: [0.2100441 1.38205987 0.1818637 2.87200017 7.43975533
 -1.67498597
 4.76598122 -1.05718605 -3.62599303 -3.25074187 1.8535865 4.88185045
 2.76647133 -2.60916367 3.39131272 -2.95517485]
 Sample 4751: [0.26679278 1.35168366 0.24201234 2.87616603 7.41753628
 -1.63629756
 4.7341671 -1.00625767 -3.63402729 -3.2677228 1.98565286 4.94376929
 2.6953888 -2.52169093 3.34222597 -2.98846091]
 Sample 4752: [0.23955392 1.40751088 0.21761903 2.96856788 7.37615768
 -1.63100704
 4.75035805 -1.00855479 -3.7348636 -3.26616443 1.98451361 4.95939437
 2.75349137 -2.51415414 3.34164727 -2.98965396]
 Sample 4753: [0.20930949 1.35937921 0.19497121 2.88927323 7.28154464
 -1.57975321
 4.78432789 -1.00081957 -3.64306548 -3.27282719 1.98470616 4.97978979
 2.81367379 -2.53116627 3.38565546 -2.94356026]
 Sample 4754: [0.25396472 1.38752845 0.18265146 2.93399565 7.3043534
 -1.56452051
 4.76590539 -1.01371495 -3.60543668 -3.34165174 1.97532879 4.94663351
 2.865002 -2.5156775 3.40651688 -2.98518673]
 Sample 4755: [0.24112874 1.37561368 0.15342868 2.86985131 7.43198115
 -1.55066158
 4.7683946 -1.03632485 -3.6397101 -3.33099319 1.91069522 4.86307241
 2.8314758 -2.49386269 3.44416284 -2.93856184]
 Sample 4756: [0.20659407 1.4189911 0.21178577 2.90868995 7.33760671
 -1.54310489
 4.83122695 -1.05524395 -3.69180672 -3.35135071 1.92728273 4.83284829
 2.88491953 -2.5157261 3.53784345 -2.92844984]
 Sample 4757: [0.20506169 1.37320525 0.24760764 2.87627138 7.33352791
 -1.54816965
 4.86577342 -1.04989175 -3.62534295 -3.29454244 1.92426598 4.86350464
 2.80610542 -2.52216914 3.48905472 -2.85302219]
 Sample 4758: [0.29161342 1.37951586 0.28018461 2.92362511 7.28141724
 -1.50514817
 4.84946541 -1.0442757 -3.64482555 -3.2949556 1.89469926 4.82708101
 2.7806736 -2.45532315 3.5248326 -2.84339985]

Sample 4759: [0.26232895 1.38811348 0.21688006 2.88491579 7.27703472
 -1.41193603
 4.80304719 -0.97214223 -3.64563427 -3.35031983 1.84191734 4.79364963
 2.81034 -2.48240963 3.53502003 -2.94676792]
 Sample 4760: [0.24906487 1.42260217 0.13686826 2.87457186 7.32469648
 -1.4038416
 4.82412997 -1.02942363 -3.70849625 -3.3825691 1.88206862 4.88811737
 2.71438464 -2.5701535 3.49134689 -2.83573033]
 Sample 4761: [0.22914487 1.44068744 0.17488675 2.94474386 7.3846591
 -1.42965601
 4.85815787 -0.99477425 -3.63626649 -3.4572954 1.89411406 4.87953684
 2.74807089 -2.56414217 3.52793885 -2.75131166]
 Sample 4762: [0.26697392 1.45565991 0.08701738 2.95031477 7.44835393
 -1.43564226
 4.85130852 -1.03074277 -3.59613596 -3.41455091 1.89744733 4.87883304
 2.74088452 -2.48040075 3.51918595 -2.79358286]
 Sample 4763: [0.33831518 1.48822967 0.14574374 2.90677154 7.44120901
 -1.38847422
 4.8766581 -0.97451435 -3.53505164 -3.50229058 1.95888842 4.89285161
 2.7159385 -2.49474698 3.63473739 -2.76450035]
 Sample 4764: [0.29055914 1.42818306 0.11468634 2.84698373 7.47948973
 -1.43070128
 4.91989671 -1.04787234 -3.54137331 -3.50369555 1.87697765 4.86806073
 2.69595338 -2.49965937 3.56202517 -2.81285426]
 Sample 4765: [0.24709086 1.4457849 0.16196977 2.78688826 7.44311699
 -1.53145394
 4.89638372 -1.10885344 -3.53719638 -3.44725704 1.87117059 4.87539335
 2.64633319 -2.39551095 3.54803325 -2.84357166]
 Sample 4766: [0.24806205 1.44663842 0.18996901 2.80458078 7.41475549
 -1.53662563
 4.83913984 -1.09786889 -3.58686295 -3.50455741 1.82833539 4.83176015
 2.69333364 -2.42108847 3.6139991 -2.77587671]
 Sample 4767: [0.15731441 1.39143367 0.2405714 2.81374138 7.4644783
 -1.55295481
 4.87537613 -1.11917371 -3.54604023 -3.5755084 1.84513568 4.74410889
 2.73143261 -2.40824281 3.53233813 -2.74170081]
 Sample 4768: [0.28650354 1.43493893 0.26904048 2.79119904 7.51289184
 -1.52320545
 4.90180779 -1.09084165 -3.58783636 -3.68842625 1.82597957 4.77366085
 2.75656427 -2.46106984 3.56891878 -2.7301862]
 Sample 4769: [0.25007679 1.4454468 0.20019681 2.83229177 7.51539848
 -1.47075326
 4.87283066 -1.07797087 -3.55202331 -3.692503 1.72723257 4.78887543
 2.7415682 -2.47576853 3.54600698 -2.73674006]
 Sample 4770: [0.23513545 1.46780208 0.13034693 2.8303394 7.50113137
 -1.53274426
 4.88240896 -0.99026568 -3.61649806 -3.64069013 1.70697995 4.81766773
 2.81096859 -2.54590168 3.49265639 -2.80847445]

Sample 4771: [0.26656278 1.47525023 0.13225233 2.81688042 7.63491112
 -1.53861199
 4.87356361 -0.99604492 -3.71136529 -3.65008182 1.76908388 4.85582356
 2.81432806 -2.59574745 3.47697998 -2.78699338]
 Sample 4772: [0.33652406 1.42345818 0.12403541 2.82089893 7.58387883
 -1.51104145
 4.837828 -0.97923133 -3.72571315 -3.69880453 1.70006754 4.86817265
 2.85050263 -2.54766229 3.45515088 -2.80455716]
 Sample 4773: [0.33303693 1.38022229 0.16137482 2.70449286 7.50707793
 -1.5325033
 4.80340503 -0.96255345 -3.68417992 -3.75759924 1.65620947 4.79436755
 2.81865171 -2.44200546 3.47988171 -2.6890619]
 Sample 4774: [0.3214366 1.43465506 0.21855095 2.72420875 7.44033224
 -1.51508997
 4.86269353 -1.01804347 -3.6893347 -3.78285956 1.59906173 4.84710801
 2.68620093 -2.37534667 3.48330884 -2.75423964]
 Sample 4775: [0.32688775 1.42682693 0.16942951 2.74076837 7.5019385
 -1.5721577
 4.85254272 -1.06069222 -3.72568508 -3.79089623 1.44821886 4.92245886
 2.69912649 -2.28287982 3.4887997 -2.65744937]
 Sample 4776: [0.2815631 1.42144016 0.15735212 2.72392384 7.58688
 -1.62498164
 4.78186461 -0.97087857 -3.85250361 -3.80260399 1.41273753 4.89248238
 2.62479044 -2.30082591 3.4969517 -2.65787203]
 Sample 4777: [0.36567071 1.40620053 0.15801911 2.7165289 7.63976272
 -1.66730317
 4.75056116 -0.99735079 -3.85470235 -3.87167678 1.44794337 4.93833008
 2.63361495 -2.28971673 3.5000726 -2.61559675]
 Sample 4778: [0.34457394 1.4262715 0.15914898 2.77115843 7.59369423
 -1.63768681
 4.85909098 -0.9959513 -3.84075528 -3.88940441 1.54302825 4.90909122
 2.60734135 -2.30858527 3.471722 -2.55704005]
 Sample 4779: [0.32473027 1.42251005 0.15702949 2.78016328 7.58851578
 -1.62731495
 4.83284979 -1.0284853 -3.8511893 -3.81525586 1.52575311 4.93677728
 2.65714065 -2.36798866 3.48242055 -2.51379374]
 Sample 4780: [0.34148562 1.43222169 0.13879607 2.75071694 7.62820424
 -1.68880372
 4.8970796 -1.05109087 -3.83626476 -3.78405771 1.55719349 4.96365714
 2.61173492 -2.34747921 3.55161286 -2.3905905]
 Sample 4781: [0.29441188 1.48910394 0.14243712 2.6782787 7.63192225
 -1.69015784
 4.87003099 -1.08922229 -3.73643283 -3.80863802 1.56849215 4.92549724
 2.66599192 -2.37930518 3.6551986 -2.38432114]
 Sample 4782: [0.36356138 1.47570725 0.13293458 2.61907871 7.67328382
 -1.64617101
 4.88434545 -1.09418512 -3.75708508 -3.76278245 1.57081417 4.80670251
 2.67410886 -2.40835717 3.68184762 -2.36323033]

Sample 4783: [0.24384145 1.46661557 0.1229269 2.60951006 7.64128304
 -1.63886433
 4.84192333 -1.06290304 -3.71243748 -3.71733843 1.57221521 4.73776869
 2.77987036 -2.42487096 3.76290361 -2.34976642]
 Sample 4784: [0.29919905 1.48781353 0.14113571 2.57389039 7.60576617
 -1.65685744
 4.8566183 -1.04956142 -3.74767412 -3.83758269 1.62925769 4.6655388
 2.7240254 -2.5538476 3.73769433 -2.28751825]
 Sample 4785: [0.20992312 1.44719406 0.11377833 2.54630268 7.58467058
 -1.66550219
 4.80564088 -1.05603619 -3.80675511 -3.86079593 1.6930031 4.70939322
 2.80474437 -2.5877851 3.72725488 -2.28183393]
 Sample 4786: [0.1469833 1.37556623 0.22649106 2.56239663 7.58691205
 -1.57215674
 4.75975562 -1.05879412 -3.8061919 -3.85697545 1.72253869 4.65959326
 2.7478676 -2.52544898 3.63939644 -2.30187498]
 Sample 4787: [0.18368996 1.39116694 0.16838367 2.70729577 7.5385828
 -1.59170474
 4.74372929 -1.13229236 -3.80191596 -3.87933316 1.68255969 4.58796777
 2.81625059 -2.53170001 3.55661854 -2.25605152]
 Sample 4788: [0.25828333 1.3981185 0.13429145 2.77766155 7.50249712
 -1.60532878
 4.6967161 -1.1677848 -3.783115 -3.87566092 1.62951569 4.61205179
 2.78129399 -2.48852705 3.5671366 -2.21353054]
 Sample 4789: [0.30878166 1.42428995 0.11772004 2.85964773 7.38752513
 -1.69681228
 4.70228992 -1.13389514 -3.82535643 -3.87160404 1.60821981 4.5781957
 2.87034621 -2.50279329 3.59386584 -2.23556475]
 Sample 4790: [0.34030751 1.45988257 0.12861891 2.81536661 7.30622366
 -1.6508423
 4.65520555 -1.18645513 -3.77584166 -3.82388444 1.50708944 4.51336215
 2.84669514 -2.49519011 3.51355792 -2.20295234]
 Sample 4791: [0.30800682 1.40866102 0.14114027 2.83484396 7.2692593
 -1.62573211
 4.6365915 -1.20572626 -3.71859102 -3.851947 1.51633653 4.52477765
 2.93906835 -2.47355523 3.53855739 -2.33071362]
 Sample 4792: [0.29359677 1.40437367 0.15159403 2.76069379 7.14765727
 -1.67837572
 4.61969338 -1.27734139 -3.73310117 -3.79605528 1.45077103 4.57005916
 3.04764453 -2.46844177 3.51050504 -2.37259114]
 Sample 4793: [0.31494512 1.38873533 0.17503422 2.82286313 7.19176283
 -1.67606005
 4.54141144 -1.32194611 -3.7452141 -3.83851348 1.43172335 4.61718121
 3.0380911 -2.44305951 3.54763117 -2.4249959]
 Sample 4794: [0.25296277 1.36894055 0.18346977 2.82656879 7.21216714
 -1.70473349
 4.59174937 -1.2714539 -3.76449283 -3.91941076 1.37873393 4.65193003
 3.05099199 -2.44899857 3.50046353 -2.5011652]

Sample 4795: [0.21730302 1.34916592 0.21089525 2.72238364 7.2300399
 -1.67780029
 4.5720054 -1.28558738 -3.75003895 -3.98864229 1.38844432 4.62571617
 3.03545836 -2.50070375 3.49246366 -2.47925263]
 Sample 4796: [0.21586289 1.33065037 0.26971606 2.76588298 7.22049604
 -1.74737781
 4.57624736 -1.29459442 -3.72666202 -3.94892712 1.38552869 4.62792734
 3.02961709 -2.56068773 3.52323084 -2.54809159]
 Sample 4797: [0.29308379 1.28686767 0.23155965 2.88847083 7.21221596
 -1.70009594
 4.54712573 -1.17311693 -3.73281889 -3.93403136 1.46582269 4.58867594
 2.96602436 -2.50342155 3.49769329 -2.59551298]
 Sample 4798: [0.2528753 1.33552057 0.22479128 2.90724074 7.22180246
 -1.66797766
 4.46330852 -1.12869459 -3.79448329 -4.01304678 1.44117052 4.63440979
 3.01439847 -2.52140522 3.48518694 -2.65242675]
 Sample 4799: [0.17181172 1.33488817 0.23105004 3.00221439 7.33998979
 -1.57460798
 4.49337507 -1.06087262 -3.77560061 -4.10904013 1.56431809 4.75769439
 2.99306972 -2.56040935 3.52508565 -2.7072184]
 Sample 4800: [0.25648511 1.28782261 0.25599739 3.04825592 7.29212648
 -1.62496642
 4.39650875 -1.12216356 -3.80839721 -4.11589655 1.5471141 4.74339034
 3.00503651 -2.5231233 3.54724792 -2.68858128]
 Sample 4801: [0.25431347 1.28676114 0.22789182 3.08393438 7.29736187
 -1.56985228
 4.36856709 -1.08594437 -3.75909108 -4.06353052 1.41987665 4.62718447
 3.01224598 -2.56137634 3.44039923 -2.75490017]
 Sample 4802: [0.26490671 1.3348342 0.21954739 3.08056206 7.36414303
 -1.55654377
 4.39739072 -1.06004396 -3.78827403 -4.07916009 1.41117803 4.66910509
 3.00368612 -2.62611078 3.46094844 -2.70796535]
 Sample 4803: [0.28552893 1.33354831 0.19844319 3.07616436 7.44893945
 -1.52137947
 4.44034154 -1.02779843 -3.82344617 -4.14639205 1.33206682 4.60447967
 2.99445632 -2.67877603 3.53982318 -2.57327143]
 Sample 4804: [0.24384347 1.29018849 0.22801314 3.10458854 7.461165
 -1.47155035
 4.46169516 -1.08439448 -3.89334506 -4.08257974 1.28049948 4.60333366
 2.91924976 -2.67722341 3.62442333 -2.62726605]
 Sample 4805: [0.2552136 1.30900793 0.18949743 3.04031475 7.4520688
 -1.5065549
 4.51412541 -1.10300343 -3.94026405 -4.08902959 1.27786458 4.49468636
 2.8121819 -2.75445234 3.64885318 -2.69369125]
 Sample 4806: [0.22054849 1.40932934 0.22576708 3.13694883 7.36903563
 -1.50698158
 4.53596422 -1.11908315 -3.94084864 -4.07702074 1.3299694 4.53753337
 2.82660387 -2.76948642 3.61519989 -2.7568304]

Sample 4807: [0.32376012 1.36906423 0.22751791 3.14859561 7.34716219
 -1.44691805
 4.53956911 -1.08520901 -4.02246146 -4.02083362 1.3299688 4.54336284
 2.88220562 -2.76858593 3.60606608 -2.71352247]
 Sample 4808: [0.37821777 1.37271635 0.19017604 2.99385294 7.34784261
 -1.45621452
 4.46805771 -1.09214095 -3.95335828 -3.99105117 1.41328542 4.64279897
 2.86946794 -2.825757 3.54465773 -2.78760116]
 Sample 4809: [0.38524449 1.2701886 0.19155372 2.98655944 7.24396736
 -1.39758314
 4.42739937 -1.08410785 -3.97171341 -3.97152369 1.40594079 4.71505603
 2.89364602 -2.78046092 3.57040295 -2.73756351]
 Sample 4810: [0.30892251 1.29203908 0.1774189 3.03689735 7.22480785
 -1.49599856
 4.43352573 -1.13488798 -3.91598424 -3.92823636 1.42499254 4.72641608
 2.91443655 -2.72991826 3.49140064 -2.76313102]
 Sample 4811: [0.2180129 1.31656457 0.17166277 3.0194288 7.18473567
 -1.41564679
 4.47481419 -1.1980716 -3.97033745 -3.99676633 1.46960611 4.71760146
 2.94325049 -2.75526599 3.5073201 -2.64509848]
 Sample 4812: [0.20999567 1.34476568 0.20328521 3.02922116 7.1926948
 -1.46828566
 4.47737417 -1.15920797 -3.96452418 -3.85534872 1.48246276 4.79495268
 2.99782282 -2.68132419 3.4831771 -2.70887479]
 Sample 4813: [0.21919088 1.36453497 0.14282475 3.08187633 7.11311548
 -1.40254431
 4.46555868 -1.13472739 -3.93512329 -3.84243393 1.52504577 4.89316325
 3.06046837 -2.66590935 3.521147 -2.73690388]
 Sample 4814: [0.24373307 1.29670828 0.17045883 3.07185861 7.12922813
 -1.44385124
 4.44750301 -1.12727197 -3.89332746 -3.8512948 1.59030456 4.91148932
 2.98568606 -2.74103803 3.57313392 -2.69932819]
 Sample 4815: [0.29897279 1.38274312 0.13224017 3.14707218 7.13910511
 -1.47066983
 4.32229228 -1.19542155 -3.86045957 -3.90008827 1.618445 4.81046917
 2.97803722 -2.76183715 3.50830086 -2.62836417]
 Sample 4816: [0.33542118 1.34992459 0.17887289 3.245799 7.10156492
 -1.51246402
 4.48248373 -1.22477416 -3.85286262 -3.88793223 1.60329069 4.80547426
 2.9715258 -2.76815441 3.49017447 -2.62743145]
 Sample 4817: [0.38343316 1.3158047 0.18900071 3.27507082 7.05501747
 -1.59700556
 4.53186645 -1.32809494 -3.85415167 -3.91047018 1.6700401 4.79506941
 3.06081289 -2.77733156 3.50524218 -2.65427006]
 Sample 4818: [0.30422965 1.33198073 0.17036882 3.28667877 7.0652069
 -1.51052822
 4.52420544 -1.29506309 -3.95467014 -3.89238208 1.60649967 4.90352103
 3.08108835 -2.75700597 3.55486079 -2.61091266]

Sample 4819: [0.24490727 1.46386144 0.15292303 3.34637233 7.00836984
 -1.43336023
 4.59977582 -1.30863808 -4.01321099 -3.89582559 1.57398999 4.93832287
 3.07616624 -2.75827283 3.62404979 -2.55239007]
 Sample 4820: [0.27666751 1.38731273 0.15433514 3.39185201 7.08997158
 -1.43862138
 4.60669406 -1.26098319 -4.04517688 -3.84706027 1.68435921 4.92870455
 3.0377256 -2.88271006 3.5455211 -2.56958965]
 Sample 4821: [0.22873619 1.3756993 0.13905816 3.38596052 7.03746197
 -1.52820809
 4.63026618 -1.15343759 -4.02044207 -3.80676276 1.69798182 4.91466426
 2.88044705 -2.85773356 3.59541438 -2.54642139]
 Sample 4822: [0.26085353 1.37793846 0.16432801 3.37718735 7.07843544
 -1.52607767
 4.59964254 -1.16132554 -3.99039028 -3.73737827 1.73509849 4.9626571
 2.87789759 -2.94867807 3.58529701 -2.60774662]
 Sample 4823: [0.23737972 1.34916932 0.1727384 3.27025716 7.09886882
 -1.49854517
 4.6380887 -1.22057713 -3.96935485 -3.87158604 1.68757651 4.89712954
 2.89673035 -2.92737685 3.53020097 -2.60742936]
 Sample 4824: [0.25805289 1.432972 0.1525811 3.25532403 7.11681179
 -1.48380533
 4.53734432 -1.1994102 -3.88983815 -3.87250019 1.80328968 4.90194862
 2.93772728 -2.91900001 3.49812688 -2.69898163]
 Sample 4825: [0.23592446 1.31101389 0.14765688 3.248746 7.10443648
 -1.48336303
 4.58225481 -1.21274863 -3.79317964 -3.83177529 1.79863634 4.87073984
 2.94124408 -2.926475 3.57907233 -2.67546156]
 Sample 4826: [0.20254105 1.32998548 0.17817574 3.24548571 7.05663514
 -1.44635912
 4.50204571 -1.1051401 -3.91478002 -3.77032615 1.73551027 4.85032058
 2.97423774 -2.95878318 3.55759463 -2.79543332]
 Sample 4827: [0.23578676 1.31343837 0.15387674 3.1951736 7.11166354
 -1.49895552
 4.58716849 -1.01687144 -3.95231804 -3.80706669 1.71629059 4.82255785
 2.94101661 -2.95990468 3.57346714 -2.78960181]
 Sample 4828: [0.24137026 1.35733682 0.18691377 3.21869545 7.13658122
 -1.55246108
 4.57261037 -0.92982288 -3.94058941 -3.82487381 1.64612079 4.83020057
 2.96457617 -3.02676576 3.5976996 -2.87162468]
 Sample 4829: [0.22778831 1.39830597 0.19755257 3.33626092 7.19508625
 -1.54738252
 4.55734831 -0.97224158 -3.84890909 -3.78904649 1.62727272 4.86296161
 2.85647671 -2.98864972 3.57402252 -2.90150815]
 Sample 4830: [0.27007649 1.32826144 0.19719711 3.40633503 7.30430147
 -1.61328226
 4.52997862 -0.94296516 -3.88331051 -3.77737551 1.70924382 4.85650386
 2.95044882 -2.95418502 3.56886493 -2.82324331]

Sample 4831: [0.18004708 1.3092719 0.16334138 3.37501323 7.45893886
 -1.64866464
 4.48979656 -1.04012662 -3.8982057 -3.82060239 1.71018956 4.88039331
 3.00805531 -2.86678077 3.58729876 -2.74316228]
 Sample 4832: [0.17922116 1.28856614 0.20071164 3.34933718 7.47010244
 -1.60120073
 4.45129416 -0.99042515 -3.8629296 -3.76433804 1.66356813 4.91049483
 3.07220186 -2.83649889 3.64183395 -2.73176259]
 Sample 4833: [0.19523763 1.37262378 0.17579543 3.3222551 7.47060404
 -1.54907807
 4.46664904 -1.0458685 -3.80235333 -3.7280476 1.61550432 4.8967135
 3.05184601 -2.84283596 3.55636804 -2.72667769]
 Sample 4834: [0.18846669 1.31565804 0.24943268 3.31919029 7.47178287
 -1.64317274
 4.55715505 -1.04988327 -3.76117563 -3.7199361 1.63191931 4.96626444
 3.00182187 -2.87068749 3.52019109 -2.6747182]
 Sample 4835: [0.292336 1.2853095 0.27414743 3.37357275 7.56611152
 -1.69907837
 4.46408289 -1.16228807 -3.69598317 -3.75212842 1.67635753 4.9935644
 2.98426513 -2.75429021 3.52738205 -2.67926043]
 Sample 4836: [0.27624356 1.31058175 0.25936877 3.36948813 7.60758778
 -1.8122025
 4.49071169 -1.14324584 -3.66599588 -3.85761417 1.62681223 4.92947202
 3.08709786 -2.70820046 3.45817106 -2.69667852]
 Sample 4837: [0.24224095 1.35717501 0.26620172 3.38107984 7.56138653
 -1.75935669
 4.48645647 -1.13741508 -3.72491404 -3.92257689 1.67265549 4.91429896
 3.03782623 -2.66436601 3.48848166 -2.70491065]
 Sample 4838: [0.19678962 1.32908953 0.22265917 3.32758932 7.64948075
 -1.77599733
 4.45016461 -1.12121624 -3.76338074 -3.93178369 1.70714366 4.95008714
 3.01158731 -2.6953593 3.56014214 -2.72355978]
 Sample 4839: [0.20127552 1.2892887 0.21392893 3.38790733 7.61134096
 -1.81349777
 4.45725067 -1.09509467 -3.80272555 -3.88908739 1.67752752 4.97125634
 3.02695755 -2.72060332 3.61270295 -2.7395431]
 Sample 4840: [0.21776046 1.36363248 0.22615307 3.40630253 7.56496045
 -1.83505693
 4.52509788 -1.12718327 -3.72162032 -3.95084206 1.77800767 4.91775536
 3.03949118 -2.82842018 3.63798348 -2.86104455]
 Sample 4841: [0.28141941 1.29882893 0.20784566 3.42801706 7.5580198
 -1.82575382
 4.54999851 -1.15766957 -3.73542442 -4.0063393 1.77323688 4.83858586
 3.05767207 -2.77242113 3.65160837 -2.93605806]
 Sample 4842: [0.32033908 1.37874366 0.15855463 3.43746446 7.51116699
 -1.76072916
 4.55546954 -1.17578614 -3.73948612 -3.95239986 1.71689473 4.83699388
 3.09361401 -2.78023413 3.63074598 -2.90756622]

Sample 4843: [0.36134491 1.32386117 0.14999643 3.4074063 7.54636067
 -1.73248209
 4.59403556 -1.19290526 -3.78105969 -3.94994711 1.6913183 4.78498316
 3.08367322 -2.81038738 3.66263655 -2.90698036]
 Sample 4844: [0.31987341 1.32164884 0.17080303 3.44026351 7.54386814
 -1.72148176
 4.65673225 -1.11135088 -3.71829877 -3.95535681 1.73086115 4.80055791
 3.11797106 -2.81787328 3.66406709 -2.91910283]
 Sample 4845: [0.29987791 1.3870622 0.15320768 3.48727209 7.5232601
 -1.73753748
 4.58068804 -1.17736115 -3.76281316 -3.98843497 1.74670001 4.76287574
 3.06089946 -2.82144993 3.60467076 -2.89990729]
 Sample 4846: [0.30677485 1.3552329 0.18507102 3.54188616 7.44286129
 -1.67902828
 4.67956515 -1.20230219 -3.84780398 -4.0121905 1.71927617 4.79728214
 3.03508655 -2.78380491 3.62423045 -2.89788151]
 Sample 4847: [0.31592565 1.33502452 0.18909685 3.52777643 7.46205333
 -1.6741167
 4.66913151 -1.34296999 -3.78173658 -3.97532369 1.76181717 4.83544944
 2.97862781 -2.7636877 3.60375445 -2.96296166]
 Sample 4848: [0.30508889 1.37368744 0.22472822 3.62773581 7.49361176
 -1.68916621
 4.6671723 -1.33198517 -3.70957136 -4.00455168 1.7965291 4.87345519
 2.94459157 -2.70066907 3.57904312 -2.98976026]
 Sample 4849: [0.27564955 1.33529355 0.16967008 3.64848913 7.47065676
 -1.68029344
 4.69310421 -1.25620382 -3.64338091 -3.98188883 1.76696328 4.83986704
 2.97804256 -2.7364691 3.62818174 -2.98562664]
 Sample 4850: [0.30045432 1.37403897 0.21021182 3.65347115 7.49337378
 -1.67502991
 4.69283024 -1.28508117 -3.58675036 -4.02171449 1.72093894 4.7251598
 2.97181629 -2.71125886 3.5690412 -2.96317822]
 Sample 4851: [0.24366805 1.3196332 0.20557413 3.66613118 7.47795494
 -1.64020747
 4.72704584 -1.32502957 -3.4674634 -4.09692914 1.64320044 4.75598989
 2.98830359 -2.77997857 3.5420351 -2.9211851]
 Sample 4852: [0.26531466 1.43932704 0.27558479 3.69377216 7.46315199
 -1.71513818
 4.73845385 -1.2351075 -3.47456601 -4.14379003 1.68594966 4.72268391
 2.97786366 -2.77235271 3.56733286 -3.02561362]
 Sample 4853: [0.27057758 1.39206697 0.25022289 3.65910725 7.37724054
 -1.65313421
 4.84125772 -1.23614062 -3.41385529 -4.16502787 1.68688659 4.73194386
 3.03475552 -2.72474906 3.51120919 -3.03778039]
 Sample 4854: [0.25362982 1.31151055 0.25649854 3.70719096 7.39765099
 -1.64321114
 4.8222617 -1.14672071 -3.48798937 -4.16799242 1.78879086 4.66164515
 3.00855994 -2.67737825 3.46423779 -3.09349508]

Sample 4855: [0.23537066 1.3236096 0.20636509 3.69411341 7.3765557
 -1.67030111
 4.75700466 -1.1821404 -3.47888605 -4.11592004 1.77797827 4.69784126
 2.98167988 -2.6925374 3.43328303 -3.12759583]
 Sample 4856: [0.30973644 1.36468181 0.2356009 3.64241305 7.44492694
 -1.66936493
 4.79086985 -1.14456962 -3.50003488 -4.1718866 1.79411425 4.70839149
 2.98037511 -2.58520809 3.48156773 -3.04074973]
 Sample 4857: [0.30929427 1.38846865 0.16742307 3.70682909 7.49581636
 -1.72342467
 4.84578958 -1.20765273 -3.41074826 -4.21360273 1.85885803 4.71017767
 2.96838403 -2.53068466 3.42101545 -3.05918966]
 Sample 4858: [0.31972403 1.37995425 0.16804825 3.78161358 7.43504255
 -1.75107364
 4.81195889 -1.2733681 -3.39721703 -4.21826016 1.88037469 4.57846301
 3.07620784 -2.51191222 3.32485817 -2.92202504]
 Sample 4859: [0.23847358 1.392592 0.18755368 3.71162417 7.45551212
 -1.79902111
 4.80923485 -1.20653249 -3.36579726 -4.21133302 1.92455665 4.55480684
 3.06498586 -2.55331125 3.38654794 -2.90826601]
 Sample 4860: [0.21359262 1.40954051 0.24432988 3.60886841 7.44217573
 -1.74527568
 4.85380967 -1.17327496 -3.34800388 -4.16639242 1.91689202 4.51333152
 3.064548 -2.57050049 3.40326838 -2.93035783]
 Sample 4861: [0.24576426 1.3703894 0.1750555 3.67107983 7.37889846
 -1.72991593
 4.8194455 -1.26571239 -3.42322541 -4.17736083 1.90288569 4.53697851
 3.08917862 -2.57452632 3.39375419 -2.90885701]
 Sample 4862: [0.2617198 1.3828965 0.19900025 3.57843447 7.32300271
 -1.67081125
 4.81808215 -1.26984759 -3.36341577 -4.18546012 1.95168109 4.5642759
 3.06775959 -2.64841776 3.3745613 -2.94282622]
 Sample 4863: [0.23029068 1.3592745 0.16156905 3.52841676 7.32604049
 -1.65671157
 4.80695182 -1.17425804 -3.33443739 -4.10978248 1.89816391 4.56005531
 3.02004675 -2.62145447 3.34879824 -2.89092595]
 Sample 4864: [0.22924656 1.39236882 0.20928588 3.52723928 7.34362039
 -1.6230615
 4.82519011 -1.18892603 -3.38207802 -4.10340594 1.96046347 4.54814993
 3.08294956 -2.68061784 3.3779634 -2.99975413]
 Sample 4865: [0.18222277 1.33867072 0.22224029 3.58491781 7.37590819
 -1.62776646
 4.80772311 -1.25035577 -3.37064269 -4.13813752 1.96782599 4.50609189
 3.15076556 -2.71578075 3.37342991 -2.98877577]
 Sample 4866: [0.20716473 1.36176597 0.29837953 3.59571926 7.41859797
 -1.55391828
 4.81015671 -1.36694756 -3.3797527 -4.0868815 1.99698439 4.57383967
 3.17360264 -2.61620701 3.40081564 -2.92274673]

Sample 4867: [0.23338422 1.326431 0.34339233 3.62391196 7.37791216
 -1.58011573
 4.81768593 -1.3927541 -3.33879357 -4.12047733 2.0042945 4.58948313
 3.14847364 -2.60780509 3.49501863 -2.95615559]
 Sample 4868: [0.22107367 1.42212958 0.340737 3.58248713 7.36900808
 -1.47611359
 4.77328072 -1.39512813 -3.37035203 -4.11976714 2.04871017 4.58395376
 3.22915982 -2.60029788 3.54035652 -2.94974611]
 Sample 4869: [0.18587073 1.32015183 0.31937469 3.58142887 7.36764889
 -1.41682637
 4.71507342 -1.3932732 -3.38004025 -4.19018023 2.06863391 4.6218826
 3.25947735 -2.5405619 3.55577018 -2.96726718]
 Sample 4870: [0.06673481 1.37253982 0.26464659 3.52569819 7.41542422
 -1.42037219
 4.79002882 -1.4251224 -3.3925631 -4.2788188 2.07358295 4.60750718
 3.27616605 -2.58081436 3.50358776 -2.92472555]
 Sample 4871: [0.12101499 1.38700337 0.27864999 3.5583766 7.36670293
 -1.38271769
 4.79194615 -1.41029174 -3.38542119 -4.33037492 2.10116583 4.58629554
 3.36793191 -2.55521293 3.51426603 -2.83819138]
 Sample 4872: [0.098801 1.39951034 0.3112494 3.57355047 7.4103657
 -1.29189232
 4.71823783 -1.38359429 -3.41229138 -4.40477055 2.02862579 4.51203477
 3.31384142 -2.60420798 3.52025405 -2.8364945]
 Sample 4873: [0.05965005 1.36161502 0.24251333 3.60853822 7.38417808
 -1.27144306
 4.73993292 -1.48521463 -3.4551906 -4.43108352 1.99387312 4.57375987
 3.3030468 -2.59998229 3.59837138 -2.88533318]
 Sample 4874: [0.13853023 1.44568208 0.28003355 3.68324638 7.31669449
 -1.27694373
 4.78702916 -1.4424476 -3.49379596 -4.4254569 1.90690773 4.52796654
 3.33003902 -2.65143152 3.54332428 -3.00094179]
 Sample 4875: [0.08484535 1.37450562 0.28509133 3.60925668 7.24744259
 -1.39239717
 4.75208488 -1.44974338 -3.59651955 -4.32418379 1.95383292 4.64723888
 3.33402958 -2.62067891 3.43539435 -2.99112427]
 Sample 4876: [0.16620959 1.37055212 0.25630916 3.56359413 7.29041219
 -1.38524745
 4.74603048 -1.48834912 -3.58044235 -4.23945984 1.90589093 4.74649902
 3.3203841 -2.59014442 3.40606994 -2.95950138]
 Sample 4877: [0.11840098 1.33293253 0.26127842 3.54105256 7.27138825
 -1.39124316
 4.70461076 -1.55493635 -3.56010518 -4.32330234 1.99401376 4.73520017
 3.26232753 -2.57850001 3.40055742 -2.92532522]
 Sample 4878: [0.17550677 1.33487721 0.33758559 3.5399277 7.17133949
 -1.41699741
 4.73754287 -1.60255517 -3.5558412 -4.30219949 1.97049329 4.80042357
 3.23358399 -2.59490125 3.42205175 -2.97579216]

Sample 4879: [0.15428464 1.33563068 0.28761381 3.54971826 7.22444997
 -1.38446664
 4.76248743 -1.63115064 -3.50262713 -4.35895231 1.98004333 4.81562687
 3.22222307 -2.47253895 3.49226953 -3.02498638]
 Sample 4880: [0.16428165 1.38416512 0.34307075 3.54566026 7.30287352
 -1.35835809
 4.75403582 -1.58929415 -3.53386633 -4.42440286 2.08750743 4.84766832
 3.10243832 -2.53877605 3.41085874 -2.97247997]
 Sample 4881: [0.12576454 1.32234362 0.29013181 3.57152981 7.31236926
 -1.42469597
 4.77243212 -1.61250528 -3.49958331 -4.43992977 2.14423441 4.8647833
 3.16077781 -2.62683754 3.44938862 -2.88640344]
 Sample 4882: [0.12387506 1.4280974 0.35896981 3.63032935 7.3429687
 -1.40142252
 4.6776859 -1.66422742 -3.5203527 -4.46794739 2.19196315 4.78740738
 3.14977001 -2.63759587 3.50705887 -2.86142963]
 Sample 4883: [0.1226626 1.33902495 0.31489796 3.6263499 7.33565722
 -1.35130396
 4.66072832 -1.63525909 -3.53609542 -4.52322053 2.17104943 4.81564247
 3.21274649 -2.64099278 3.45932455 -2.90387631]
 Sample 4884: [0.11058684 1.36995511 0.32248307 3.64909688 7.37144883
 -1.29836877
 4.676881 -1.73426428 -3.52541158 -4.58386305 2.22056173 4.79547467
 3.20296849 -2.62805215 3.49408229 -2.92068399]
 Sample 4885: [0.07722165 1.37396331 0.36086622 3.67838856 7.41978395
 -1.24419265
 4.6820714 -1.82475302 -3.56703711 -4.57876993 2.29895313 4.84028434
 3.16771453 -2.63835941 3.51388354 -2.86282016]
 Sample 4886: [0.11189631 1.3567225 0.33143729 3.65246243 7.40281709
 -1.23645426
 4.73508809 -1.87101456 -3.52471324 -4.50379605 2.34169174 4.8045093
 3.1111595 -2.66253733 3.52985988 -2.82459109]
 Sample 4887: [0.10945012 1.40269843 0.27216097 3.61305555 7.43609518
 -1.14345165
 4.65814896 -1.80184398 -3.55784045 -4.58696358 2.29411173 4.79052119
 3.13178232 -2.78198998 3.51624361 -2.79579266]
 Sample 4888: [0.07207554 1.3417431 0.34226418 3.66281898 7.42799364
 -1.16935826
 4.74306484 -1.81177537 -3.55870429 -4.58441297 2.31135121 4.80396515
 3.0617112 -2.7609235 3.55009653 -2.75982173]
 Sample 4889: [0.10372601 1.41105637 0.33880496 3.64346147 7.34334076
 -1.27717997
 4.73358228 -1.70993675 -3.5216886 -4.61086172 2.41283351 4.74243189
 3.03837403 -2.76289558 3.54894887 -2.87759975]
 Sample 4890: [0.09214186 1.37340892 0.30573638 3.6581565 7.39983863
 -1.24547346
 4.71828921 -1.66885289 -3.5410917 -4.63175458 2.34759463 4.76366584
 3.04834364 -2.71553221 3.58198928 -2.84466475]

Sample 4891: [0.10614434 1.39631596 0.31387932 3.63896285 7.42971184
 -1.28832561
 4.73879013 -1.65362208 -3.51975188 -4.56635588 2.3889797 4.77845796
 3.07213846 -2.73510467 3.58016339 -2.92119871]
 Sample 4892: [0.10894596 1.38020416 0.35757653 3.58672994 7.50821542
 -1.28523507
 4.66862044 -1.69127185 -3.56959266 -4.59883213 2.30217762 4.70602911
 3.05422591 -2.71400264 3.57670755 -2.88064429]
 Sample 4893: [0.11635691 1.36816712 0.29839138 3.59615291 7.45593188
 -1.25473907
 4.71760519 -1.72890328 -3.62896108 -4.56253091 2.24901511 4.74789921
 3.03798286 -2.66965997 3.680407 -2.84183988]
 Sample 4894: [0.10054133 1.43253073 0.32166812 3.46065297 7.47602847
 -1.33021928
 4.68245377 -1.71091078 -3.60529857 -4.56129166 2.22674384 4.7225809
 3.02843009 -2.65545536 3.67694336 -2.79870207]
 Sample 4895: [0.13635216 1.40334604 0.29517947 3.41838922 7.45526314
 -1.33408322
 4.71703967 -1.71098958 -3.61683638 -4.56424292 2.18888438 4.74595098
 3.02587532 -2.61186426 3.60507529 -2.80385609]
 Sample 4896: [0.09186074 1.3673452 0.33742624 3.48349603 7.39367441
 -1.27426612
 4.7344622 -1.63882346 -3.58158181 -4.49374021 2.17441704 4.74969141
 3.02740814 -2.68914101 3.52285222 -2.87605465]
 Sample 4897: [0.08215206 1.38396691 0.29007239 3.52270442 7.38264335
 -1.29863728
 4.841302 -1.61769851 -3.63405335 -4.46641084 2.15163071 4.71561602
 3.0118017 -2.62332018 3.52195007 -2.9069954]
 Sample 4898: [0.15087155 1.44672275 0.39351927 3.43858062 7.39284685
 -1.23281654
 4.86607535 -1.69525753 -3.59345425 -4.55701627 2.17727375 4.7291197
 3.13444941 -2.59906865 3.51490311 -2.91196361]
 Sample 4899: [0.06883436 1.44415131 0.30915047 3.43441355 7.34944235
 -1.21151723
 4.95393019 -1.72906447 -3.53724066 -4.56183504 2.14112858 4.73266898
 3.16720295 -2.57680151 3.50234005 -2.86687744]
 Sample 4900: [0.08129682 1.41612882 0.34084669 3.333459 7.36069513
 -1.14120195
 5.00072761 -1.72795621 -3.45735338 -4.63893832 2.2014043 4.664448
 3.24424664 -2.64602939 3.4740049 -2.85002272]
 Sample 4901: [0.06111368 1.45959488 0.36673092 3.36272273 7.35882881
 -1.08383994
 4.97864159 -1.72747101 -3.39378359 -4.65644499 2.14871955 4.6011489
 3.28774193 -2.58833653 3.44881795 -2.83999466]
 Sample 4902: [0.06192741 1.44423443 0.32561867 3.41955985 7.39747884
 -1.02287287
 4.94051489 -1.6875912 -3.37874399 -4.72160102 2.14667623 4.60474733
 3.41984396 -2.58503858 3.4434057 -2.89158035]

Sample 4903: [0.04810958 1.45166941 0.28020043 3.37480982 7.32890206
 -1.09818671
 4.93814424 -1.68854246 -3.42590725 -4.64058801 2.07715877 4.57780752
 3.38229424 -2.59026286 3.40511243 -2.90636915]
 Sample 4904: [0.09239882 1.48844507 0.30168666 3.38000447 7.41958247
 -1.09515767
 4.98469571 -1.75573505 -3.40500893 -4.61080512 2.10254081 4.54993042
 3.3657988 -2.63435727 3.32669627 -2.86365189]
 Sample 4905: [0.03915678 1.43566672 0.34261359 3.38529798 7.47322518
 -1.11959227
 4.94949162 -1.72491337 -3.41911246 -4.62175351 2.04825936 4.62759531
 3.26040099 -2.73665245 3.41686645 -2.88006289]
 Sample 4906: [0.10396693 1.45976983 0.33726332 3.45403979 7.49705014
 -1.09260415
 4.91102847 -1.80399204 -3.37142236 -4.66309198 2.03258663 4.62061568
 3.27175415 -2.77877887 3.51218671 -2.88004134]
 Sample 4907: [0.02195517 1.42002747 0.34153992 3.41302467 7.50600932
 -1.14776495
 4.90171916 -1.79112268 -3.28660256 -4.60271013 2.06145401 4.56421643
 3.27472554 -2.70705561 3.48607988 -2.89271893]
 Sample 4908: [0.07190122 1.45287965 0.35526862 3.4558964 7.47861974
 -1.1142157
 4.88401566 -1.8386796 -3.36642675 -4.49416756 2.06893723 4.61460284
 3.26468602 -2.69433331 3.48371193 -2.88072474]
 Sample 4909: [0.10910386 1.39365345 0.40168608 3.40206719 7.43450523
 -1.20164916
 4.8297407 -1.83098882 -3.2956506 -4.54880509 2.13512457 4.62133032
 3.20990389 -2.64254827 3.437348 -2.83001396]
 Sample 4910: [0.10048972 1.36670262 0.37111183 3.3981208 7.49246425
 -1.23280508
 4.88153956 -1.87834911 -3.37667874 -4.52414598 2.11833336 4.69099907
 3.11808458 -2.61727679 3.46597938 -2.75092726]
 Sample 4911: [0.07635329 1.48097525 0.36605421 3.36869813 7.51826344
 -1.24421442
 4.83386925 -1.90189114 -3.38454947 -4.47483621 2.21011356 4.54655284
 3.07470926 -2.57633494 3.50542717 -2.69299813]
 Sample 4912: [0.09046521 1.42233673 0.38379501 3.37950319 7.45803759
 -1.1765184
 4.92057229 -1.93343871 -3.34557871 -4.42935451 2.11858326 4.46516623
 3.0719408 -2.66029214 3.48669578 -2.63441599]
 Sample 4913: [0.09840471 1.394844 0.33940859 3.44579503 7.46257154
 -1.28486881
 4.86550651 -1.88322961 -3.42409184 -4.37041376 2.10433546 4.61705255
 3.04074577 -2.65799935 3.47575666 -2.66042839]
 Sample 4914: [0.09648235 1.43461175 0.39285811 3.50041415 7.44672754
 -1.23974592
 4.86287635 -1.92448724 -3.37902368 -4.34987133 2.12554786 4.69292227
 3.01832956 -2.71239314 3.43209527 -2.67154634]

Sample 4915: [0.10041055 1.36777718 0.33287462 3.55867351 7.48926878
 -1.17849168
 4.92791521 -1.99825338 -3.4496682 -4.31950234 1.99717305 4.7153293
 3.03105536 -2.6230801 3.42871874 -2.60455223]
 Sample 4916: [0.10456752 1.47793633 0.33644545 3.52696613 7.49553554
 -1.12520592
 4.87291662 -1.89243234 -3.44812674 -4.28850979 1.96169181 4.67828992
 3.00949163 -2.60825571 3.34543083 -2.64312387]
 Sample 4917: [0.08244718 1.4470972 0.34756996 3.47029122 7.5617431
 -1.07621725
 4.9614928 -1.93213456 -3.3460346 -4.29902276 2.02599311 4.65503578
 3.04020199 -2.63842049 3.36148837 -2.57718268]
 Sample 4918: [0.08798945 1.4979573 0.32627782 3.45385616 7.50265668
 -1.05245327
 4.9735909 -1.93572484 -3.32224428 -4.27894035 2.03706208 4.63401033
 3.0177997 -2.68430246 3.43180758 -2.59599774]
 Sample 4919: [0.0634605 1.42331608 0.38944227 3.46672105 7.53295972
 -1.09804013
 4.94360228 -1.91359163 -3.27052188 -4.25447396 2.09015207 4.61716984
 3.00478191 -2.71270029 3.35470125 -2.60410838]
 Sample 4920: [0.08198954 1.47680594 0.33360049 3.43588744 7.46847409
 -1.06870862
 4.90681886 -1.87663601 -3.22107833 -4.32499161 2.16653281 4.74370891
 2.9282071 -2.77417111 3.36510131 -2.63388657]
 Sample 4921: [0.08120411 1.39056626 0.36037027 3.55418004 7.3753448
 -1.1360069
 4.93971126 -1.81640812 -3.2564725 -4.30723664 2.14501563 4.73000606
 2.94704125 -2.84742752 3.43271407 -2.61366403]
 Sample 4922: [0.10872557 1.47081257 0.30291612 3.58408428 7.39211835
 -1.15643216
 4.92546273 -1.78173152 -3.15601963 -4.38176076 2.16209617 4.80338376
 2.91332432 -2.84905837 3.39511336 -2.53279356]
 Sample 4923: [0.09275758 1.39854511 0.370771 3.51934308 7.33635441
 -1.212024
 4.91338793 -1.86133215 -3.12633665 -4.34044452 2.18453151 4.88736274
 2.85546698 -2.88816735 3.34484588 -2.6455972]
 Sample 4924: [0.13951255 1.43138409 0.30156477 3.53689945 7.32517529
 -1.19073761
 4.87811159 -1.80114573 -3.11531248 -4.3325809 2.21446969 4.91909412
 2.84348631 -2.9207437 3.31830907 -2.6598457]
 Sample 4925: [0.13581514 1.44295433 0.25472467 3.54179124 7.26291133
 -1.17207125
 4.94215929 -1.80609955 -3.0900436 -4.40950818 2.21011101 4.94800003
 2.88424697 -2.90264943 3.35997151 -2.61317169]
 Sample 4926: [0.1310148 1.46257504 0.29715168 3.55266409 7.29958368
 -1.18503235
 4.93719923 -1.85664283 -3.02603497 -4.42299555 2.2537801 4.86944805
 2.90765618 -2.90746316 3.42232532 -2.68398172]

Sample 4927: [0.13278256 1.47535343 0.26057076 3.49267084 7.32944011
 -1.19081858
 4.91633005 -1.83932682 -3.11434127 -4.53002465 2.27014649 4.84195141
 2.90763666 -2.83566385 3.35323602 -2.63502152]
 Sample 4928: [0.13714126 1.47325095 0.30149307 3.46285722 7.3378456
 -1.23080446
 4.87185565 -1.88174724 -3.17107925 -4.65785722 2.22511339 4.76122585
 2.85308475 -2.82177197 3.35372293 -2.58004395]
 Sample 4929: [0.21773106 1.43439053 0.21702045 3.53189378 7.33232359
 -1.18345479
 4.89840617 -1.89714594 -3.15935335 -4.62075607 2.26873778 4.73837216
 2.83336105 -2.85144788 3.40013418 -2.64859136]
 Sample 4930: [0.21128878 1.40562963 0.26303955 3.51018383 7.3343898
 -1.25200231
 4.85306699 -1.88879005 -3.10420223 -4.68686346 2.34306865 4.69118108
 2.84498225 -2.82658907 3.3790342 -2.60889857]
 Sample 4931: [0.25463263 1.46755689 0.20354797 3.44081546 7.2099767
 -1.19055575
 4.89537249 -1.88705793 -3.1417243 -4.72624941 2.39386336 4.58361639
 2.85824995 -2.8681881 3.43196052 -2.71081336]
 Sample 4932: [0.19219208 1.47887127 0.23734528 3.43576408 7.2278166
 -1.14413869
 4.92669979 -1.830645 -3.12356696 -4.74281646 2.41061692 4.56668347
 2.92547359 -2.86599334 3.36732446 -2.65376446]
 Sample 4933: [0.18906973 1.41413965 0.18734382 3.44194779 7.20350371
 -1.15524934
 4.97394692 -1.74797219 -3.15909535 -4.75058477 2.40610848 4.51516768
 2.94797398 -2.82116503 3.318469 -2.64633853]
 Sample 4934: [0.26509959 1.49871057 0.20212479 3.4269225 7.13872952
 -1.2232172
 4.94647127 -1.70266521 -3.17024265 -4.7789033 2.32208734 4.54313852
 2.98614977 -2.85600346 3.39490114 -2.68895352]
 Sample 4935: [0.31743475 1.4838448 0.22195217 3.46858802 7.18738564
 -1.15173617
 5.03688358 -1.75733896 -3.21551098 -4.74162997 2.41340579 4.56853065
 2.95902659 -2.89272896 3.37320029 -2.66013821]
 Sample 4936: [0.19919918 1.43652532 0.16831063 3.45277483 7.19043267
 -1.26639422
 4.95021726 -1.75950625 -3.23115427 -4.74580652 2.51164898 4.59238339
 3.00444569 -2.82994021 3.41295794 -2.54489771]
 Sample 4937: [0.23849327 1.4426682 0.19935765 3.45950142 7.19053244
 -1.22423194
 4.95567907 -1.7419885 -3.3347584 -4.71528794 2.4607369 4.5817692
 3.00637608 -2.89237659 3.40405518 -2.58500978]
 Sample 4938: [0.29128065 1.42161724 0.15570912 3.41818004 7.14833358
 -1.22607144
 4.95151304 -1.65798265 -3.36661429 -4.7597775 2.44783015 4.55935858
 3.06654162 -2.95534563 3.43305179 -2.62406366]

Sample 4939: [0.23057084 1.49118412 0.1692661 3.47240859 7.13298711
 -1.3420557
 5.04918974 -1.61174476 -3.31686858 -4.79951307 2.42232139 4.58121668
 3.07581916 -2.91706152 3.43298169 -2.58212592]
 Sample 4940: [0.2809596 1.44724161 0.15711217 3.49193299 7.09466375
 -1.36335137
 5.082422 -1.66115626 -3.3350611 -4.852382 2.39830878 4.58808728
 3.15256474 -2.9003969 3.39403426 -2.62372718]
 Sample 4941: [0.3132205 1.46594333 0.18577438 3.54291458 7.01824469
 -1.34646478
 5.14810743 -1.67511051 -3.31045669 -4.83009774 2.40542862 4.63805472
 3.22821965 -2.85717561 3.32580307 -2.57426584]
 Sample 4942: [0.33135192 1.48973193 0.1920868 3.56193685 7.02428698
 -1.36540544
 5.09626795 -1.65701825 -3.25140988 -4.72949417 2.33517875 4.62139024
 3.27835843 -2.77525909 3.31025505 -2.5259607]
 Sample 4943: [0.35239677 1.49690601 0.1768132 3.53924173 6.94797746
 -1.31632798
 5.04182678 -1.61638162 -3.23758418 -4.79723177 2.36450758 4.58354706
 3.34504672 -2.78488341 3.31342603 -2.59724662]
 Sample 4944: [0.38659631 1.49714691 0.18026817 3.54305737 6.84411807
 -1.33814374
 5.0499095 -1.54033172 -3.30693479 -4.78144028 2.32513312 4.63503271
 3.37395342 -2.84629023 3.38675761 -2.66901595]
 Sample 4945: [0.3709439 1.49046195 0.18428721 3.55685598 6.85639584
 -1.4016738
 5.12054922 -1.54316979 -3.26822205 -4.73992882 2.24991282 4.48308604
 3.39478507 -2.95098856 3.37386985 -2.69811532]
 Sample 4946: [0.36220218 1.417513 0.18822024 3.60611989 6.97584875
 -1.37926423
 5.02309816 -1.57479299 -3.24870517 -4.77225812 2.19050748 4.41554706
 3.28736514 -2.89092644 3.42437525 -2.6546484]
 Sample 4947: [0.39145886 1.40837825 0.21664536 3.61083196 7.03762087
 -1.37236835
 5.09182146 -1.55597499 -3.35802639 -4.73198994 2.1956713 4.43937346
 3.43539762 -2.92755516 3.44101249 -2.69224591]
 Sample 4948: [0.34235695 1.48235037 0.15961384 3.58537766 7.04915183
 -1.37896067
 5.15631807 -1.54053508 -3.32937012 -4.67087688 2.2044173 4.47226321
 3.3861037 -2.92905776 3.48220448 -2.68139956]
 Sample 4949: [0.28499277 1.54508777 0.18138833 3.53867429 7.08345728
 -1.39340137
 5.20762763 -1.59644432 -3.34409173 -4.72863892 2.1381465 4.44772177
 3.40421317 -2.89484021 3.49606614 -2.67358183]
 Sample 4950: [0.27626666 1.50214543 0.14847336 3.59550044 7.11483783
 -1.43125238
 5.2177706 -1.58627029 -3.41653764 -4.75561265 2.11035142 4.43293252
 3.41589089 -2.85460366 3.54399947 -2.61770797]

Sample 4951: [0.29023555 1.4789085 0.17144958 3.58521216 7.11571133
 -1.39252745
 5.29700087 -1.56592936 -3.48921312 -4.79865268 2.07061336 4.49909594
 3.51300415 -2.79280219 3.55224023 -2.64856533]
 Sample 4952: [0.37879246 1.51664935 0.18475637 3.55269468 7.15948362
 -1.39744156
 5.30937293 -1.56697872 -3.43919952 -4.67670578 2.10183013 4.50888113
 3.50179071 -2.78238553 3.53150892 -2.61365995]
 Sample 4953: [0.33843674 1.47104578 0.18287349 3.48606906 7.17845753
 -1.40320488
 5.37509577 -1.52031602 -3.43543621 -4.61870076 2.16304834 4.47723357
 3.46696962 -2.7745843 3.57385589 -2.60646223]
 Sample 4954: [0.34881718 1.58784126 0.1637719 3.50509293 7.17795175
 -1.31376411
 5.35525139 -1.58698188 -3.52746882 -4.49792939 2.19117938 4.56668463
 3.53279511 -2.79650892 3.51057614 -2.6147961]
 Sample 4955: [0.36646648 1.52072743 0.17811017 3.48539643 7.15248278
 -1.36915187
 5.34094974 -1.64375583 -3.57736846 -4.41351872 2.18198085 4.578545
 3.58419209 -2.8181579 3.51658504 -2.58239478]
 Sample 4956: [0.35091136 1.54126401 0.18885912 3.50291168 7.06836698
 -1.3442865
 5.38267204 -1.61100131 -3.5984159 -4.38936143 2.14530393 4.55948268
 3.55997583 -2.74880165 3.43329787 -2.56116568]
 Sample 4957: [0.33965967 1.61802823 0.15148337 3.47580491 7.00318098
 -1.33542195
 5.38106248 -1.53568713 -3.50211219 -4.46108977 2.10220759 4.58481417
 3.52640865 -2.76004712 3.47761141 -2.58219725]
 Sample 4958: [0.32167506 1.49347526 0.17038232 3.52689134 6.9893092
 -1.40606128
 5.39429843 -1.59631836 -3.45533443 -4.44867834 2.15545999 4.58532463
 3.52533413 -2.78281401 3.45693929 -2.64067021]
 Sample 4959: [0.26786398 1.52046655 0.13479819 3.54387021 6.91157294
 -1.35152018
 5.34504589 -1.52618132 -3.50065681 -4.48264798 2.15602067 4.64810495
 3.54655557 -2.84238407 3.44638333 -2.65683075]
 Sample 4960: [0.22750502 1.55677759 0.16542326 3.44413159 6.97598429
 -1.28673136
 5.31388578 -1.57272883 -3.57817576 -4.38203339 2.19482964 4.60008656
 3.55826464 -2.85849822 3.43662771 -2.66169299]
 Sample 4961: [0.26362456 1.49336564 0.1335381 3.49457963 6.93038215
 -1.21140983
 5.27423682 -1.54422309 -3.60486896 -4.41205309 2.18489888 4.63876351
 3.58527984 -2.79367587 3.42216249 -2.65941549]
 Sample 4962: [0.2311018 1.504109 0.1530225 3.46604184 6.84790515
 -1.27159868
 5.32087689 -1.56988201 -3.63250354 -4.44056301 2.23968262 4.7558007
 3.64305049 -2.8177779 3.45305481 -2.68302862]

Sample 4963: [0.29272027 1.49165412 0.12902538 3.52442109 6.78578241
 -1.24148854
 5.25902596 -1.50376715 -3.60451418 -4.36941518 2.30376964 4.65849479
 3.59923158 -2.87099741 3.41538034 -2.77103234]
 Sample 4964: [0.18779089 1.51141119 0.14363547 3.48897539 6.88437823
 -1.19882884
 5.22622694 -1.51419057 -3.65476877 -4.33222026 2.36890726 4.61618722
 3.52686319 -2.8540437 3.47202399 -2.78353558]
 Sample 4965: [0.23474531 1.46164324 0.14164259 3.49698732 6.9006548
 -1.18832205
 5.20605864 -1.5251797 -3.63078199 -4.32551597 2.34755068 4.58204233
 3.5112893 -2.88967842 3.52101493 -2.74786994]
 Sample 4966: [0.22653478 1.46798582 0.12819077 3.42356077 7.00005747
 -1.25368685
 5.19402288 -1.4848724 -3.47524928 -4.34847532 2.31910129 4.57978987
 3.52033667 -2.9841129 3.62561372 -2.70416935]
 Sample 4967: [0.29513719 1.50454937 0.15423793 3.47482208 6.91656622
 -1.24815954
 5.16623179 -1.49456871 -3.52837546 -4.33895393 2.33311363 4.52426282
 3.4872015 -2.96460337 3.55231973 -2.74637435]
 Sample 4968: [0.30898119 1.47399391 0.13896821 3.39405719 6.92087249
 -1.28303682
 5.26020156 -1.52129055 -3.58991586 -4.37391767 2.39541024 4.49636405
 3.45706265 -2.97817107 3.59087195 -2.67950029]
 Sample 4969: [0.33827851 1.53193217 0.15086183 3.43584727 6.95660099
 -1.36287448
 5.23782253 -1.5218659 -3.62662648 -4.50236566 2.40130208 4.48852332
 3.53440632 -2.98304865 3.62977917 -2.70062848]
 Sample 4970: [0.28630377 1.55795567 0.12402499 3.37370301 6.88516865
 -1.36344185
 5.36226138 -1.54995617 -3.59555751 -4.54723816 2.35694665 4.42808168
 3.59826688 -3.01223227 3.66972866 -2.69114178]
 Sample 4971: [0.32604633 1.54787501 0.15995902 3.41087601 6.90515672
 -1.40122648
 5.42064132 -1.50314662 -3.55972517 -4.64345274 2.38486898 4.49898452
 3.53090617 -3.10003189 3.6714088 -2.6934357]
 Sample 4972: [0.32618133 1.57351328 0.11636937 3.53164876 6.82307942
 -1.45279363
 5.36656231 -1.50821235 -3.50999783 -4.62396032 2.35387772 4.4478307
 3.55698313 -3.15103993 3.71203811 -2.65948367]
 Sample 4973: [0.3132164 1.47276443 0.16433359 3.49110653 6.80877835
 -1.49441692
 5.2996423 -1.49455682 -3.5010805 -4.6861288 2.33556434 4.41124315
 3.61600919 -3.12448743 3.72719702 -2.68712117]
 Sample 4974: [0.32748978 1.5503454 0.11894685 3.52268841 6.74973823
 -1.47068982
 5.27182714 -1.55703049 -3.4912997 -4.6866883 2.32269901 4.41564473
 3.64594988 -3.16782697 3.76265587 -2.71057413]

Sample 4975: [0.35963495 1.50510955 0.18395468 3.42374546 6.7530029
 -1.4395603
 5.28519278 -1.58603088 -3.61397031 -4.69416174 2.30524993 4.41669316
 3.66771806 -3.17636562 3.68649736 -2.66352848]
 Sample 4976: [0.31500505 1.48141822 0.1113461 3.4446708 6.8099851
 -1.56265043
 5.21934122 -1.51354735 -3.54301966 -4.60918381 2.30336471 4.44844949
 3.67232594 -3.17345974 3.66665134 -2.67691022]
 Sample 4977: [0.33909514 1.52423337 0.13096416 3.37815138 6.7511661
 -1.63020287
 5.09258822 -1.45440351 -3.51022766 -4.59594597 2.3150334 4.45937276
 3.72577853 -3.16751748 3.7002233 -2.65788877]
 Sample 4978: [0.29287293 1.43514133 0.09936192 3.44071114 6.76284005
 -1.7011186
 5.15582749 -1.43155582 -3.57098112 -4.5610462 2.43434974 4.41984709
 3.73224137 -3.08371844 3.75279093 -2.70410492]
 Sample 4979: [0.28301729 1.5119834 0.12269203 3.34743525 6.74763626
 -1.69811848
 5.20832412 -1.47435475 -3.47538686 -4.64771393 2.47626593 4.41930821
 3.72541214 -2.95193951 3.62861424 -2.66522425]
 Sample 4980: [0.33752448 1.46772272 0.10976448 3.31725917 6.75947764
 -1.70154089
 5.28206802 -1.50713769 -3.4422459 -4.71740877 2.46799377 4.4226788
 3.71844408 -2.96122027 3.63415976 -2.6331362]
 Sample 4981: [0.31720011 1.53931014 0.13672358 3.26751218 6.67105821
 -1.70930061
 5.30861181 -1.47718297 -3.41779667 -4.67204709 2.39430045 4.36234255
 3.69323224 -2.95920361 3.63711262 -2.61411926]
 Sample 4982: [0.32715437 1.47244245 0.10088438 3.23712479 6.61143778
 -1.69423563
 5.29431748 -1.52051899 -3.44228199 -4.71664505 2.38379476 4.28885377
 3.65739977 -2.90140254 3.70892651 -2.63179845]
 Sample 4983: [0.31918393 1.54747885 0.17428261 3.18197253 6.6051933
 -1.68940742
 5.24482844 -1.60755203 -3.41818291 -4.68145517 2.31836206 4.21371819
 3.63841271 -2.95546253 3.72240231 -2.62694316]
 Sample 4984: [0.40016106 1.46287582 0.13183297 3.20071871 6.563737
 -1.7535288
 5.16293324 -1.59061143 -3.41851121 -4.71834374 2.25844071 4.16013231
 3.63766918 -3.0043388 3.66079433 -2.70178852]
 Sample 4985: [0.37621154 1.41795557 0.20429845 3.2582153 6.52624862
 -1.78541788
 5.14167358 -1.62676547 -3.45768429 -4.66392692 2.11573989 4.14146066
 3.66027735 -3.02765182 3.72109906 -2.70370581]
 Sample 4986: [0.47552509 1.44083564 0.20359892 3.26968959 6.44344677
 -1.70745707
 5.11677097 -1.62074166 -3.47848399 -4.6881958 1.98802834 4.06241174
 3.59742984 -3.0317383 3.63645444 -2.71055532]

Sample 4987: [0.39716729 1.40579984 0.20625471 3.26018127 6.46270824
 -1.76084909
 5.10496827 -1.60630758 -3.5081213 -4.63043765 2.03247854 4.08228421
 3.61522105 -3.05932974 3.682803 -2.67930205]
 Sample 4988: [0.35688604 1.42534318 0.15109694 3.31977222 6.48949731
 -1.72472068
 4.99495245 -1.59353706 -3.52006127 -4.58953123 1.9069885 4.07542058
 3.60976306 -3.09208499 3.74229866 -2.6580854]
 Sample 4989: [0.35244376 1.36129692 0.22680744 3.36638817 6.54632995
 -1.57631807
 4.99691395 -1.71142339 -3.50479898 -4.60201603 1.97082984 4.1000047
 3.6031768 -3.1337463 3.70706681 -2.64398257]
 Sample 4990: [0.33545172 1.40311186 0.1614914 3.34765173 6.51509826
 -1.60272503
 4.96007449 -1.73070859 -3.514825 -4.61442899 1.95289937 4.06528772
 3.55947291 -3.18466915 3.7588791 -2.61876522]
 Sample 4991: [0.36302871 1.41995925 0.24318498 3.29867879 6.48039722
 -1.56160473
 5.0304622 -1.62952035 -3.46558291 -4.67705152 1.87003413 4.12577174
 3.46588234 -3.21146567 3.7751315 -2.64154755]
 Sample 4992: [0.32778996 1.43868089 0.18078217 3.33952731 6.49169698
 -1.48443128
 5.05831806 -1.60773077 -3.43522011 -4.70702772 1.8281212 4.17217091
 3.38919219 -3.19977369 3.85847215 -2.7397065]
 Sample 4993: [0.4201943 1.45617144 0.26031571 3.35873649 6.49709531
 -1.62881094
 5.11881356 -1.60851294 -3.49097197 -4.74932657 1.81281987 4.14977143
 3.43515477 -3.19128457 3.91032081 -2.690072]
 Sample 4994: [0.5000604 1.45115754 0.22922573 3.40562505 6.50157816
 -1.58877005
 5.12051055 -1.53660294 -3.49166749 -4.78075683 1.81744529 4.16609662
 3.39311362 -3.28786323 3.86056292 -2.68311824]
 Sample 4995: [0.50949903 1.42708137 0.2684923 3.40057258 6.54848934
 -1.64062345
 5.08128334 -1.45455287 -3.50846492 -4.84030295 1.78978637 4.19674997
 3.38532817 -3.29711375 3.91339407 -2.72981053]
 Sample 4996: [0.48761294 1.45937105 0.20409797 3.4544355 6.51233247
 -1.62296742
 5.03462228 -1.45217208 -3.46511397 -4.90876316 1.80090677 4.20745814
 3.49096884 -3.36078445 3.96632252 -2.74428727]
 Sample 4997: [0.46954847 1.41614178 0.23311405 3.40729172 6.55897212
 -1.62060466
 5.00324781 -1.40516535 -3.47867028 -4.91524103 1.7973989 4.20824762
 3.58883025 -3.37031059 4.00732151 -2.76781731]
 Sample 4998: [0.53608849 1.50323042 0.20781638 3.40858585 6.6317804
 -1.63934208
 5.04121962 -1.42030486 -3.49606729 -4.94251665 1.7790005 4.16501009
 3.55972894 -3.41624703 3.91421158 -2.74033767]

Sample 4999: [0.52342938 1.47845118 0.26266741 3.30327977 6.56435306
 -1.70222127
 4.98484727 -1.46300175 -3.52043528 -4.88020568 1.7746897 4.16475608
 3.52288388 -3.48413655 3.89441594 -2.68705242]
 Sample 5000: [0.58576406 1.45008865 0.24079832 3.26396823 6.5435321
 -1.70567404
 4.98054886 -1.54586864 -3.53948212 -4.8827212 1.79519525 4.21329409
 3.53948911 -3.48981245 3.87734297 -2.66982247]
 Sample 5001: [0.58661872 1.45108802 0.31080433 3.14018807 6.56256895
 -1.69231955
 5.02095963 -1.5583117 -3.58344869 -4.869837 1.7370873 4.26074937
 3.51407363 -3.48418934 3.94179453 -2.66560452]
 Sample 5002: [0.67539353 1.41688529 0.25617769 3.19494 6.62089689
 -1.66415949
 4.94858188 -1.57469949 -3.53936988 -4.90919142 1.71450743 4.24994509
 3.58673588 -3.46043475 3.9547826 -2.64073816]
 Sample 5003: [0.59523537 1.43686896 0.32445751 3.24679445 6.6496886
 -1.64066229
 4.91834599 -1.579916 -3.55709019 -4.92688063 1.70661658 4.2068737
 3.59243103 -3.42170636 3.97707267 -2.65797152]
 Sample 5004: [0.57043237 1.39722235 0.22696236 3.25363758 6.5634572
 -1.64577009
 4.92399267 -1.52532493 -3.47354422 -4.94838148 1.67818026 4.24425537
 3.63554055 -3.55278907 3.9988936 -2.69343309]
 Sample 5005: [0.60429897 1.38972906 0.30687191 3.21639121 6.50630864
 -1.72280701
 5.01014703 -1.51363857 -3.43027036 -4.9125754 1.6029395 4.36652573
 3.62908153 -3.55161557 3.98593239 -2.66795919]
 Sample 5006: [0.61801738 1.40673529 0.25037221 3.17366486 6.46804937
 -1.72056386
 4.97877342 -1.59284351 -3.40771254 -4.85483766 1.57806999 4.30982514
 3.66032859 -3.499719 3.94663941 -2.64569058]
 Sample 5007: [0.64683575 1.48758451 0.30015067 3.13220417 6.38945102
 -1.76209738
 5.01730249 -1.50271692 -3.45877956 -4.90535489 1.56086734 4.24864628
 3.69836183 -3.44823114 3.91558369 -2.61442628]
 Sample 5008: [0.65182093 1.41929018 0.23337999 3.1349065 6.31618966
 -1.69801256
 5.04907131 -1.53550113 -3.35408419 -4.87488556 1.5410458 4.29906171
 3.73617336 -3.44943192 3.9376317 -2.55291056]
 Sample 5009: [0.61289296 1.42296551 0.30357437 3.1681578 6.29504098
 -1.74439524
 4.99564026 -1.53037582 -3.31482931 -4.91250819 1.58838805 4.34378889
 3.65226802 -3.41865316 3.85438561 -2.64578217]
 Sample 5010: [0.62500422 1.44497269 0.22153329 3.05767772 6.42416762
 -1.72080934
 4.87706952 -1.4994537 -3.28049868 -4.89763822 1.61725177 4.37425653
 3.73567017 -3.39370265 3.94361146 -2.61163961]

Sample 5011: [0.53224845 1.37777518 0.28124575 3.0061372 6.44969079
 -1.67509953
 4.85061374 -1.50400278 -3.21485137 -4.89160227 1.60539092 4.43483139
 3.73649675 -3.49318676 3.87120318 -2.62001787]
 Sample 5012: [0.54156918 1.45559312 0.20308524 3.04034437 6.42660013
 -1.63361854
 4.89640573 -1.47091262 -3.2030685 -4.83597676 1.65875333 4.41663621
 3.67304102 -3.44911521 3.77410682 -2.60218519]
 Sample 5013: [0.49883384 1.41585434 0.25878111 2.93706057 6.40715243
 -1.64269917
 4.88606444 -1.48953504 -3.26222642 -4.84976301 1.65495679 4.56345839
 3.66546943 -3.48978685 3.7431928 -2.64602331]
 Sample 5014: [0.50418617 1.37079717 0.21838421 3.01869508 6.5275592
 -1.63184498
 4.84751655 -1.58390223 -3.22874886 -4.79728805 1.68493439 4.55208795
 3.68909979 -3.43556365 3.77807752 -2.68554678]
 Sample 5015: [0.56421261 1.39607759 0.3281413 2.98814957 6.46465203
 -1.57531602
 4.86635418 -1.68308327 -3.16893545 -4.82857641 1.68554348 4.49815482
 3.70672643 -3.44136538 3.83099255 -2.65154795]
 Sample 5016: [0.53536966 1.42548813 0.26968199 2.87866383 6.45793424
 -1.50784578
 4.81485384 -1.68737702 -3.30771296 -4.84732599 1.64797109 4.48228642
 3.68227075 -3.47123791 3.8147728 -2.7202886]
 Sample 5017: [0.47227848 1.41226169 0.30858399 2.78249939 6.47891272
 -1.49980487
 4.79721388 -1.73424609 -3.35340455 -4.88475672 1.54984371 4.43380762
 3.65142501 -3.44778002 3.73925221 -2.65624842]
 Sample 5018: [0.50880409 1.32871203 0.29459502 2.8405283 6.55133574
 -1.52586539
 4.81953582 -1.80129814 -3.51404645 -4.8913953 1.51293724 4.41668933
 3.65481949 -3.50048533 3.75426266 -2.75531605]
 Sample 5019: [0.44788889 1.38980036 0.31125094 2.78999516 6.58302081
 -1.5070396
 4.69012508 -1.73884116 -3.43686009 -4.89569588 1.46459533 4.43057864
 3.61148775 -3.5759842 3.66065526 -2.78227054]
 Sample 5020: [0.41790071 1.39249888 0.25552526 2.75619313 6.63479983
 -1.53994868
 4.81357018 -1.68282179 -3.38224508 -4.90486629 1.40615023 4.49877544
 3.57181401 -3.57947453 3.69789659 -2.85507537]
 Sample 5021: [0.38715293 1.36761237 0.31033789 2.71256108 6.5847084
 -1.53655537
 4.85555971 -1.74118267 -3.49279838 -4.87362789 1.44339323 4.53697117
 3.50247365 -3.6450471 3.63984771 -2.93061819]
 Sample 5022: [0.36908762 1.40757721 0.23856855 2.64658914 6.626003
 -1.55314451
 4.83339457 -1.66795322 -3.42346028 -4.85794874 1.43304059 4.59909512
 3.57531383 -3.66729741 3.67874236 -2.95398514]

Sample 5023: [0.34247069 1.36690969 0.28530354 2.58671419 6.66130378
 -1.5501538
 4.90098601 -1.70146394 -3.4330564 -4.82279151 1.423425 4.59354538
 3.52168647 -3.68591106 3.72756307 -2.89000737]
 Sample 5024: [0.34155315 1.41927686 0.2323436 2.60417646 6.53987509
 -1.56205329
 4.91420255 -1.6487764 -3.39603972 -4.75211213 1.47608506 4.60970995
 3.5141352 -3.67155923 3.78767641 -2.8730645]
 Sample 5025: [0.31304681 1.36647458 0.24516752 2.58618246 6.59948637
 -1.58377251
 4.92352912 -1.59946308 -3.41791556 -4.68865501 1.41365878 4.65537628
 3.43891434 -3.75418796 3.87782665 -2.83034521]
 Sample 5026: [0.36530845 1.42063315 0.23195505 2.52488789 6.51990223
 -1.64268781
 4.96657148 -1.56664402 -3.45073132 -4.72881258 1.40540384 4.72287016
 3.4045496 -3.80735355 3.85789502 -2.92815998]
 Sample 5027: [0.34622208 1.46522526 0.27048801 2.53041617 6.54601145
 -1.73069526
 5.00214921 -1.55526015 -3.47576876 -4.70455192 1.32735063 4.58707361
 3.44824409 -3.83750849 3.89160516 -2.98965019]
 Sample 5028: [0.35577987 1.41090572 0.25775218 2.49552636 6.55271414
 -1.70707088
 5.01715587 -1.56706529 -3.35494597 -4.74983 1.28843454 4.57679168
 3.45238778 -3.75529374 3.83053078 -2.92254284]
 Sample 5029: [0.44538629 1.46260468 0.26899208 2.46856531 6.53665798
 -1.73476497
 5.0535942 -1.58115206 -3.31731581 -4.77006485 1.31537874 4.69504393
 3.39865017 -3.73723321 3.8263416 -3.01626927]
 Sample 5030: [0.34733631 1.40566378 0.31745523 2.41154651 6.52563765
 -1.71820284
 5.05912765 -1.65314138 -3.34879982 -4.80405939 1.40906689 4.6948635
 3.38802568 -3.73016914 3.89877093 -3.04174624]
 Sample 5031: [0.33621729 1.46364416 0.25247733 2.41565654 6.56797917
 -1.67165047
 5.1105612 -1.71783247 -3.3624832 -4.85438719 1.41343762 4.66475251
 3.39249632 -3.78379019 3.91079129 -3.04330305]
 Sample 5032: [0.33754742 1.41618486 0.3326304 2.42325854 6.49891496
 -1.58530035
 5.09289775 -1.74069201 -3.4030287 -4.84203002 1.32907122 4.71233475
 3.37950848 -3.76522059 3.8343332 -3.05177457]
 Sample 5033: [0.3688027 1.42072646 0.30592324 2.57618457 6.51687626
 -1.5442025
 5.04206485 -1.72689299 -3.45535402 -4.95398566 1.36457518 4.68869869
 3.36516508 -3.78553543 3.75274183 -3.07252852]
 Sample 5034: [0.3491739 1.41446576 0.27756726 2.61435061 6.47157116
 -1.52670623
 4.99926048 -1.65134536 -3.39958708 -4.97500166 1.37493111 4.64655542
 3.33598139 -3.83174082 3.70475715 -3.12133802]

Sample 5035: [0.36387861 1.40726317 0.32304597 2.64366905 6.59346531
 -1.57862811
 4.95437385 -1.65364505 -3.39390825 -4.98485434 1.40198287 4.60283944
 3.26092262 -3.78497167 3.64366813 -3.04193767]
 Sample 5036: [0.32987805 1.33744454 0.26041011 2.63301581 6.60712031
 -1.65179438
 4.89077865 -1.713896 -3.4062258 -4.97640011 1.3893111 4.61944979
 3.14175646 -3.75787683 3.69288879 -3.02205921]
 Sample 5037: [0.33087602 1.38456277 0.34562609 2.6207095 6.58918869
 -1.66785883
 4.94883847 -1.63646765 -3.3813527 -4.94663652 1.3926273 4.67317738
 3.0559561 -3.78555991 3.70193187 -3.04655314]
 Sample 5038: [0.28779719 1.41004856 0.30498612 2.75298999 6.53279998
 -1.67961598
 4.91690854 -1.65230019 -3.46431131 -4.80702355 1.33652176 4.58842694
 3.12639051 -3.80906797 3.72626419 -3.08530996]
 Sample 5039: [0.38012924 1.4013503 0.29628785 2.77346038 6.53824493
 -1.67802346
 4.92565628 -1.68374554 -3.3765752 -4.84054074 1.37506477 4.59770256
 3.09669541 -3.77487284 3.8134396 -3.0522254]
 Sample 5040: [0.3868499 1.36100198 0.31885142 2.74242242 6.68642882
 -1.61725764
 4.88736297 -1.71413023 -3.38616669 -4.85092277 1.41614259 4.52658235
 3.07399297 -3.80802498 3.76205852 -3.02268622]
 Sample 5041: [0.32521752 1.36570472 0.29405014 2.67599999 6.676429
 -1.68658043
 4.84244383 -1.66617201 -3.39984371 -4.80012086 1.4389023 4.5941363
 3.10172104 -3.81808735 3.7575428 -3.01776994]
 Sample 5042: [0.30704612 1.40431789 0.36071904 2.7163934 6.74156552
 -1.72933423
 4.91241867 -1.70544566 -3.34487144 -4.90136859 1.46883163 4.6290555
 3.07143507 -3.71470146 3.73911743 -3.07598378]
 Sample 5043: [0.31551723 1.42313415 0.28773085 2.67707581 6.76453962
 -1.75934179
 4.94164078 -1.70388874 -3.35204403 -4.91304721 1.5650345 4.62010041
 3.05203664 -3.66572202 3.82470305 -3.05204039]
 Sample 5044: [0.28408045 1.38424236 0.33072718 2.73643658 6.75105784
 -1.7816073
 4.93759988 -1.67875907 -3.32237244 -4.91650518 1.59650926 4.59930189
 3.03628904 -3.61446433 3.76148467 -2.99866124]
 Sample 5045: [0.32708224 1.34035151 0.30872759 2.82240074 6.75041449
 -1.90383089
 4.87458966 -1.6192394 -3.36144577 -4.9243669 1.57529421 4.59874433
 3.03837293 -3.55306577 3.73529649 -3.03418045]
 Sample 5046: [0.31663469 1.39852277 0.34459793 2.92755855 6.73786889
 -1.88236184
 4.89923995 -1.6161766 -3.35010092 -4.96327658 1.54568028 4.62636476
 3.00927703 -3.59453451 3.765577 -3.10904954]

Sample 5047: [0.30814809 1.43959194 0.32341705 2.96196027 6.76766278
 -1.907632
 5.02682665 -1.65823235 -3.36728737 -4.95068 1.56079719 4.7411179
 3.02731566 -3.59861162 3.81415608 -3.04951811]
 Sample 5048: [0.35639018 1.36105132 0.31942437 2.99752359 6.79202026
 -1.80637353
 4.92562865 -1.76374253 -3.40601609 -4.89410446 1.52097838 4.74553684
 3.01188187 -3.58018839 3.81956963 -3.08425883]
 Sample 5049: [0.4089473 1.39051321 0.30575893 2.91639191 6.73004468
 -1.91852807
 4.97508906 -1.71956921 -3.39456755 -4.79904346 1.45338128 4.72624081
 3.08822863 -3.57520502 3.82801427 -3.12348175]
 Sample 5050: [0.40286283 1.39012614 0.30762775 3.01537788 6.72754382
 -1.91029999
 4.90238465 -1.69533732 -3.46973562 -4.75741099 1.54440507 4.67312259
 3.14534731 -3.58944883 3.78244797 -3.10287878]
 Sample 5051: [0.399787 1.37936617 0.3238758 3.04276726 6.69715362
 -1.91325727
 4.86032192 -1.69632525 -3.50707125 -4.78554417 1.56378989 4.7575496
 3.14845677 -3.64276636 3.78518841 -3.14589119]
 Sample 5052: [0.33254086 1.33878221 0.3692251 3.00820063 6.65311336
 -1.85432095
 4.84011314 -1.7437414 -3.54863668 -4.81706881 1.57427436 4.70250954
 3.1848261 -3.67852429 3.76484953 -3.1805138]
 Sample 5053: [0.24468242 1.28182006 0.33042288 2.93890516 6.60685035
 -1.8221869
 4.75576398 -1.81109943 -3.56108761 -4.83495882 1.58895182 4.70538546
 3.21436413 -3.6859608 3.72571167 -3.13878639]
 Sample 5054: [0.29531892 1.326887 0.34832918 2.966992 6.6911056
 -1.79672436
 4.70561828 -1.72442127 -3.51115895 -4.80630465 1.61524355 4.68740956
 3.17307809 -3.74005139 3.73709907 -3.10209156]
 Sample 5055: [0.31199778 1.36932213 0.30657052 3.03956006 6.72784441
 -1.72661583
 4.67348029 -1.69834966 -3.5493312 -4.88354026 1.58768247 4.64078558
 3.13985704 -3.82003738 3.7280513 -3.08453555]
 Sample 5056: [0.36112718 1.27117327 0.31628854 3.06690281 6.63985503
 -1.66044102
 4.62441672 -1.66550711 -3.60120857 -4.88714718 1.56349023 4.68553794
 3.16648104 -3.69913726 3.82196891 -3.11578969]
 Sample 5057: [0.34528978 1.33831337 0.31377698 3.03316619 6.62093597
 -1.74590733
 4.67365584 -1.68168465 -3.60653256 -4.91856007 1.47719842 4.70060751
 3.20491067 -3.59483894 3.82719219 -3.17612135]
 Sample 5058: [0.26744611 1.31185284 0.34071751 2.98614917 6.63751647
 -1.65200406
 4.74160243 -1.79223304 -3.70546285 -4.99169396 1.46804939 4.57243211
 3.23764776 -3.66131724 3.83093739 -3.19977723]

Sample 5059: [0.26567231 1.29588412 0.3581951 3.08887938 6.61134949
 -1.56203076
 4.73421344 -1.78401065 -3.7922283 -4.98853238 1.42093834 4.58950094
 3.21695229 -3.69293734 3.80335744 -3.30297942]
 Sample 5060: [0.21299997 1.31437391 0.34086509 3.01244784 6.56364176
 -1.46097382
 4.73863019 -1.86425415 -3.72945609 -4.98582036 1.37426521 4.60008396
 3.301614 -3.67123087 3.79460708 -3.22756201]
 Sample 5061: [0.25275161 1.36563597 0.39020865 3.00250594 6.67280053
 -1.45509469
 4.79135714 -1.83439044 -3.79252322 -4.88301413 1.33509368 4.65364536
 3.40804459 -3.63514973 3.72427492 -3.3353504]
 Sample 5062: [0.2544674 1.31602868 0.32942726 3.08348921 6.70603489
 -1.48872896
 4.76899867 -1.80700297 -3.87883758 -4.91938747 1.25656385 4.64815299
 3.43026325 -3.63474419 3.80923437 -3.27465176]
 Sample 5063: [0.29258694 1.2993045 0.33393785 3.08303354 6.74795529
 -1.38461768
 4.70952182 -1.72609017 -3.92330567 -4.97228031 1.33078713 4.67238955
 3.43433261 -3.59109402 3.86141709 -3.27476098]
 Sample 5064: [0.25789826 1.27079252 0.28906849 2.9894229 6.68521503
 -1.3133722
 4.66501094 -1.65157603 -3.87566404 -4.81666387 1.33008952 4.69583922
 3.46287242 -3.60266533 3.90373179 -3.20350913]
 Sample 5065: [0.21220274 1.32387064 0.31175783 2.87512772 6.69527062
 -1.35425073
 4.62884341 -1.7181242 -3.85798041 -4.8432654 1.28308849 4.68784316
 3.55974732 -3.62242654 3.87661846 -3.21840562]
 Sample 5066: [0.2748251 1.29975572 0.3638237 2.81606958 6.67030284
 -1.40933584
 4.69511024 -1.72830108 -3.8279648 -4.86450744 1.30871527 4.68672433
 3.59071853 -3.66853772 3.99901388 -3.19905422]
 Sample 5067: [0.25398709 1.33406659 0.33135934 2.93609519 6.67674187
 -1.43818684
 4.68088428 -1.6998215 -3.86873509 -4.81435645 1.25123708 4.66588027
 3.65459389 -3.68874888 3.97233176 -3.1951082]
 Sample 5068: [0.3646267 1.31400156 0.25147292 2.88736622 6.65999908
 -1.49714367
 4.69305991 -1.59494962 -3.87043317 -4.79914281 1.24659996 4.64920819
 3.64051337 -3.6192901 3.9851539 -3.08338582]
 Sample 5069: [0.32624974 1.33681726 0.28981471 2.90951843 6.59854616
 -1.55181449
 4.69314783 -1.6845602 -3.84101812 -4.76745548 1.23351887 4.53981491
 3.66407863 -3.58497252 3.96102533 -3.09670309]
 Sample 5070: [0.40969364 1.2440279 0.31748234 3.01587328 6.65875609
 -1.59687171
 4.74493964 -1.70536202 -3.8783581 -4.77388159 1.21718204 4.5168988
 3.64207695 -3.57510301 3.86914148 -3.20848863]

Sample 5071: [0.35369485 1.34260219 0.29574497 3.02801175 6.71225377
 -1.66662412
 4.74616301 -1.68183507 -3.87351621 -4.82610124 1.2922639 4.45799027
 3.63838634 -3.63970516 3.78873704 -3.19415598]
 Sample 5072: [0.32414509 1.32617609 0.32279497 3.01233257 6.7089348
 -1.69520956
 4.7295476 -1.71412456 -3.82332171 -4.88327367 1.15728204 4.41669599
 3.63910317 -3.55198873 3.80624704 -3.17590745]
 Sample 5073: [0.26207956 1.30484259 0.37546605 2.98285774 6.77248952
 -1.67336909
 4.79899333 -1.80111691 -3.82377693 -4.91917728 1.15594133 4.34409002
 3.68920448 -3.51867727 3.83175392 -3.10355608]
 Sample 5074: [0.29794286 1.31621975 0.30776775 2.99594519 6.77602765
 -1.6651872
 4.81146103 -1.78925146 -3.82866979 -4.99815995 1.1241937 4.35322395
 3.62786368 -3.46976836 3.74358401 -3.03339118]
 Sample 5075: [0.3176181 1.34013621 0.35671821 3.13994972 6.78363111
 -1.61802516
 4.82232252 -1.66748879 -3.83378051 -5.038052 1.02352824 4.28537758
 3.56597575 -3.5645335 3.65359462 -3.06385832]
 Sample 5076: [0.303752 1.31619264 0.32022874 3.1127811 6.87916859
 -1.61580399
 4.8516844 -1.75936527 -3.81673976 -5.03009578 1.0415826 4.30858887
 3.66864587 -3.62769459 3.70106497 -3.07228082]
 Sample 5077: [0.25468632 1.34595612 0.37462966 3.15640026 6.89724814
 -1.57929969
 4.89228859 -1.73644838 -3.68698068 -4.9616876 1.07300733 4.38670609
 3.68298391 -3.64554719 3.58625247 -3.10340156]
 Sample 5078: [0.23626067 1.38023402 0.30703883 3.11878126 6.95446908
 -1.56800433
 4.91448725 -1.70821781 -3.58639936 -4.94794163 1.12491796 4.39101494
 3.64239711 -3.60172428 3.5483943 -3.06568552]
 Sample 5079: [0.22631395 1.37347091 0.34340877 3.1209004 6.8940436
 -1.54542727
 4.9165082 -1.66643712 -3.62801488 -4.95354682 1.20573821 4.30896105
 3.61185601 -3.50249904 3.5815428 -3.033815]
 Sample 5080: [0.2148621 1.36983121 0.32756896 3.15215321 6.91771743
 -1.45244649
 4.96544359 -1.58647 -3.64183787 -4.93366903 1.20538954 4.38051793
 3.63012612 -3.56069266 3.56561686 -2.9503925]
 Sample 5081: [0.18664595 1.40536724 0.31989734 3.14684894 6.96307594
 -1.46806996
 4.93716136 -1.54262968 -3.66825239 -4.97098861 1.1362234 4.42800487
 3.69348667 -3.55479507 3.54183819 -2.95893786]
 Sample 5082: [0.15846777 1.42301835 0.31001317 3.09376449 6.9293528
 -1.48802664
 4.92058937 -1.56995305 -3.68570896 -4.94635442 1.10714936 4.474641
 3.64408802 -3.54581062 3.52856668 -2.99207568]

Sample 5083: [0.23935746 1.41327963 0.30736711 3.13303712 6.90982498
 -1.52088399
 4.93464451 -1.57278494 -3.66708079 -5.00263037 1.16198216 4.43320742
 3.57525608 -3.5076179 3.52857134 -2.93004455]
 Sample 5084: [0.20116701 1.42884169 0.25064436 3.09194995 6.97804101
 -1.5822446
 4.89785735 -1.54094952 -3.73373785 -4.97225157 1.10031148 4.40185009
 3.60932348 -3.49100454 3.51881525 -2.87699411]
 Sample 5085: [0.25276477 1.3759659 0.33270617 3.07725268 6.95036985
 -1.63235135
 4.92893745 -1.45409198 -3.73053661 -4.94469433 1.07049476 4.42750752
 3.62622087 -3.49812191 3.50752233 -2.89104808]
 Sample 5086: [0.18744249 1.38399169 0.22389487 3.07696882 6.98668886
 -1.66213983
 4.92980753 -1.44601514 -3.63303072 -5.03707292 1.04149731 4.3570871
 3.55718536 -3.47728547 3.42661199 -2.90389272]
 Sample 5087: [0.21574359 1.39266646 0.30471004 3.15595501 6.95311789
 -1.66927471
 4.80709225 -1.40242874 -3.54827007 -4.97896988 1.07756299 4.33547181
 3.56333354 -3.40911638 3.45171868 -2.92906873]
 Sample 5088: [0.27085624 1.35673765 0.27219515 3.00653216 6.93231253
 -1.64000246
 4.78825812 -1.43783759 -3.52591195 -4.93826084 1.10986995 4.36999868
 3.61358702 -3.37736069 3.58218049 -3.01168741]
 Sample 5089: [0.20628392 1.36082029 0.29585551 3.08211711 6.95010523
 -1.51571223
 4.78623476 -1.38128055 -3.45432737 -4.93540634 1.04983038 4.49767705
 3.58833927 -3.34514772 3.50018489 -3.03865534]
 Sample 5090: [0.21441529 1.36063411 0.24815259 3.06969975 6.88563413
 -1.54173239
 4.7698814 -1.3696751 -3.42550106 -4.98195671 1.19671158 4.53351273
 3.66714974 -3.34726397 3.4839268 -3.05808284]
 Sample 5091: [0.18302435 1.35252494 0.30735741 2.99709328 6.89375485
 -1.45856196
 4.76981969 -1.38891124 -3.36477925 -4.98801194 1.17215405 4.5213574
 3.62963084 -3.38614764 3.54551371 -3.07644569]
 Sample 5092: [0.2690568 1.3326691 0.28147836 3.04125601 6.86987192
 -1.5563848
 4.70988807 -1.42795414 -3.26267036 -5.03476555 1.20462223 4.53091922
 3.6090843 -3.40946198 3.53226733 -3.00763313]
 Sample 5093: [0.27130378 1.31632292 0.29583278 3.10274544 6.88174972
 -1.57884067
 4.68784082 -1.50221824 -3.29758837 -5.0210757 1.25168406 4.56097883
 3.5741621 -3.38493439 3.49005899 -3.05687925]
 Sample 5094: [0.22508163 1.33733533 0.31496188 3.1359494 6.94927004
 -1.55724386
 4.65115893 -1.3843013 -3.32199092 -4.97873154 1.18719866 4.52049436
 3.57473192 -3.35724579 3.44536701 -3.08136889]

Sample 5095: [0.25624457 1.34342724 0.25085714 3.12239033 6.89631797
 -1.55355886
 4.62311675 -1.3035962 -3.31628272 -5.01288774 1.19474949 4.45004247
 3.55471504 -3.30755336 3.41177363 -3.0874289]
 Sample 5096: [0.23540953 1.29166423 0.27875836 3.13950849 6.78175783
 -1.64404047
 4.70019394 -1.27962143 -3.34849817 -5.06263977 1.22008149 4.42498593
 3.60186028 -3.31108656 3.40965251 -3.12722596]
 Sample 5097: [0.24829623 1.3096804 0.19752118 3.13082199 6.77674373
 -1.68529715
 4.67534502 -1.28080507 -3.36099655 -4.99802834 1.26132997 4.45668787
 3.50825604 -3.35718362 3.36018828 -3.12688291]
 Sample 5098: [0.27467616 1.32940679 0.22909875 3.01220555 6.73992706
 -1.66209271
 4.66779846 -1.24904941 -3.42691115 -5.03247085 1.31121903 4.47931585
 3.58396676 -3.41413648 3.32968143 -3.14943444]
 Sample 5099: [0.19168117 1.33626555 0.25636422 2.97882517 6.68594201
 -1.59923903
 4.68468799 -1.28014259 -3.35943154 -5.06585123 1.26625121 4.43182346
 3.51989041 -3.43504577 3.31418856 -3.08315219]
 Sample 5100: [0.18938107 1.29660615 0.21291094 3.06046041 6.68120775
 -1.72270409
 4.64545132 -1.29815842 -3.43466721 -5.07635029 1.30327957 4.41808201
 3.59757913 -3.44560136 3.34016474 -3.08217733]
 Sample 5101: [0.27703479 1.32147714 0.27523758 3.14748328 6.6306603
 -1.72472997
 4.66886328 -1.27524772 -3.51762279 -5.00240912 1.37765476 4.42741869
 3.6036472 -3.45011029 3.42069231 -3.13844824]
 Sample 5102: [0.19554552 1.35386162 0.26958185 3.12226934 6.66504206
 -1.7894071
 4.6465235 -1.37960723 -3.46682038 -4.99401267 1.34549344 4.51718685
 3.52631266 -3.51882452 3.39602001 -3.13968851]
 Sample 5103: [0.22969518 1.29338627 0.27214901 3.1505145 6.73481633
 -1.70921488
 4.68536121 -1.40235031 -3.49884703 -4.98643442 1.31799023 4.47760405
 3.61688841 -3.58810437 3.44221363 -3.16721245]
 Sample 5104: [0.21079609 1.28921662 0.27844204 3.07227389 6.77165758
 -1.79055824
 4.65016653 -1.40308325 -3.58615169 -4.93394737 1.33146774 4.4393676
 3.66302243 -3.54052427 3.42959586 -3.06613644]
 Sample 5105: [0.2215763 1.26974035 0.29665513 3.13185575 6.76141945
 -1.76132864
 4.62743916 -1.42772325 -3.57789183 -4.95010852 1.34674941 4.3905797
 3.62447687 -3.54397136 3.38982376 -2.95247478]
 Sample 5106: [0.16145803 1.30128718 0.26822834 3.11709683 6.82608898
 -1.74588258
 4.52130568 -1.37528993 -3.65255919 -4.96451773 1.40415717 4.38041444
 3.75037576 -3.58653385 3.40892945 -2.94589457]

Sample 5107: [0.18180921 1.27541391 0.24337197 3.19566754 6.84114958
 -1.81426148
 4.49886528 -1.33911609 -3.72160184 -5.03338489 1.38790373 4.47907055
 3.83134553 -3.57407525 3.29121533 -2.97229814]
 Sample 5108: [0.23172465 1.28670116 0.19209418 3.19298154 6.89405377
 -1.79517632
 4.45196654 -1.28327157 -3.82612851 -5.00277517 1.35281323 4.47413615
 3.87064095 -3.59262232 3.3494692 -2.96759557]
 Sample 5109: [0.30463813 1.28649557 0.17310511 3.14477854 6.88543174
 -1.73657456
 4.43294188 -1.30438474 -3.81547885 -4.89229577 1.32238735 4.49539578
 3.84908369 -3.60206489 3.2128248 -2.99250625]
 Sample 5110: [0.3821899 1.24676729 0.17690844 3.1965261 6.79795223
 -1.78621643
 4.40134082 -1.32824623 -3.85858688 -4.86340632 1.3392016 4.42064746
 3.85567722 -3.60705848 3.23234724 -3.03822056]
 Sample 5111: [0.43042856 1.29062602 0.19464223 3.27764119 6.74194126
 -1.69822212
 4.47387892 -1.30104678 -3.82892913 -4.8010604 1.3014464 4.47441383
 3.91098523 -3.58256541 3.2047754 -3.08180651]
 Sample 5112: [0.42893046 1.24542493 0.18935906 3.28691302 6.79686427
 -1.7076653
 4.50363778 -1.33493887 -3.79091689 -4.7627909 1.24205756 4.45747541
 3.95161343 -3.53917764 3.20775429 -3.02154765]
 Sample 5113: [0.46808833 1.27507552 0.21306915 3.29706511 6.8430098
 -1.78175877
 4.4710979 -1.32903842 -3.78417025 -4.71934132 1.19206218 4.41776348
 3.97465361 -3.41131136 3.26553977 -3.10294004]
 Sample 5114: [0.47324133 1.29975921 0.18265329 3.34956495 6.87130803
 -1.70872546
 4.42711401 -1.28359633 -3.7361285 -4.70531781 1.15507253 4.34806076
 4.06017538 -3.45140883 3.11256585 -3.00732236]
 Sample 5115: [0.49058519 1.25899519 0.20723217 3.39147642 6.83518435
 -1.77248688
 4.49380458 -1.35512691 -3.80362406 -4.73159562 1.13559819 4.27321986
 4.13689579 -3.56306412 3.01419478 -2.97117692]
 Sample 5116: [0.54334478 1.25881827 0.19880919 3.35242815 6.77140436
 -1.81327901
 4.44440254 -1.31128847 -3.77376809 -4.78349397 1.10422175 4.21567132
 4.17409868 -3.50863287 3.08313696 -2.97453014]
 Sample 5117: [0.5314954 1.26361708 0.22714656 3.33928372 6.81792887
 -1.78750395
 4.47348151 -1.28573825 -3.73547674 -4.75547245 1.04075032 4.28166418
 4.05844903 -3.56446299 3.01962179 -3.03107857]
 Sample 5118: [0.56604678 1.27006882 0.2258027 3.35562037 6.82099279
 -1.88815189
 4.49282982 -1.34255637 -3.73846952 -4.81897561 1.04737791 4.2760858
 3.93274335 -3.65683563 2.99473953 -3.11866959]

Sample 5119: [0.53522984 1.31805723 0.23716245 3.25127393 6.79604276
 -1.88944993
 4.50467347 -1.31308019 -3.76493695 -4.87213855 1.07488287 4.27363398
 3.97025415 -3.66828044 3.02163841 -3.18615892]
 Sample 5120: [0.45401072 1.23812243 0.23166262 3.24514418 6.77178034
 -1.83338052
 4.52515062 -1.39674653 -3.84625617 -4.73184545 1.09111479 4.27346934
 3.92644093 -3.77168296 3.03495445 -3.26952385]
 Sample 5121: [0.38551588 1.20692371 0.2481947 3.36616282 6.78356892
 -1.75264029
 4.54818946 -1.41163709 -3.78323342 -4.70370439 1.09684566 4.28426651
 3.93070396 -3.84237024 3.02711253 -3.30431291]
 Sample 5122: [0.41439503 1.22586317 0.24958802 3.33339795 6.76130717
 -1.65362196
 4.58430643 -1.46005727 -3.74564334 -4.65585253 1.04860794 4.30550957
 3.90737744 -3.82298904 3.00044068 -3.34419971]
 Sample 5123: [0.34423835 1.25835292 0.27976604 3.45785366 6.79292009
 -1.71025105
 4.55742766 -1.4150767 -3.74424193 -4.5549069 1.03780543 4.30967981
 3.97625588 -3.72927123 2.98266194 -3.32325309]
 Sample 5124: [0.31736338 1.24371437 0.26132348 3.41032842 6.77625222
 -1.65853675
 4.55776995 -1.41488567 -3.73976425 -4.57232198 1.04062444 4.27629131
 3.95997826 -3.75271196 2.98817376 -3.27104627]
 Sample 5125: [0.34319705 1.24986705 0.24706246 3.45249188 6.72922842
 -1.71920844
 4.55830742 -1.42488218 -3.69354576 -4.62273021 1.09129616 4.25085636
 4.05642489 -3.77679875 2.96585261 -3.21198805]
 Sample 5126: [0.36006454 1.19769926 0.23324052 3.51192834 6.71625865
 -1.8037545
 4.41598528 -1.47792432 -3.70868687 -4.63474373 1.0774404 4.21640429
 4.03525091 -3.80027019 2.87860848 -3.23255061]
 Sample 5127: [0.33536325 1.23791596 0.27366709 3.46880553 6.68824616
 -1.81059599
 4.39016542 -1.57486011 -3.77642708 -4.68861417 1.17380809 4.22679582
 4.06177374 -3.91027409 2.92205955 -3.24410396]
 Sample 5128: [0.36735889 1.1903008 0.23452093 3.39389379 6.6649155
 -1.77566478
 4.37432417 -1.50715486 -3.79930852 -4.63295825 1.19385297 4.18588519
 4.11902758 -3.83195709 2.83875781 -3.22845655]
 Sample 5129: [0.45145036 1.1981734 0.2119459 3.45261154 6.61110835
 -1.79582217
 4.29834054 -1.42570691 -3.80214035 -4.66029651 1.13539246 4.18615542
 4.0855078 -3.81585572 2.7514316 -3.17921424]
 Sample 5130: [0.45016861 1.24202693 0.23718409 3.32371354 6.52702996
 -1.71032022
 4.26162561 -1.43434625 -3.76310691 -4.66753889 1.19615865 4.1290865
 4.01484284 -3.793966 2.80576415 -3.12493617]

Sample 5131: [0.3525131 1.16946123 0.17884266 3.31206411 6.56364351
 -1.68629638
 4.21631093 -1.3968882 -3.72241449 -4.61581523 1.16982409 4.14923324
 4.07816209 -3.79499068 2.76832286 -3.03299075]
 Sample 5132: [0.42362811 1.21969133 0.22321833 3.30275816 6.59736367
 -1.69898131
 4.23094583 -1.41053455 -3.72535464 -4.54377887 1.04947674 4.16635176
 4.10914067 -3.84482002 2.8653933 -3.08850086]
 Sample 5133: [0.33887297 1.22077442 0.17228512 3.33378317 6.62582958
 -1.73796328
 4.23424018 -1.36969193 -3.79399638 -4.44366961 1.15403867 4.09807513
 4.13675488 -3.85850407 2.84197127 -3.11560942]
 Sample 5134: [0.33442921 1.20363512 0.18219924 3.37030215 6.55338232
 -1.62530056
 4.22710303 -1.32198785 -3.75919328 -4.44483818 1.24508183 4.05756709
 4.12656502 -3.84048931 2.86621853 -3.12686377]
 Sample 5135: [0.31645735 1.24044525 0.1281107 3.39805692 6.5733452
 -1.58878198
 4.24526348 -1.22369449 -3.74003948 -4.46004405 1.2351783 4.07842676
 4.19433753 -3.78172081 2.886361 -3.11170789]
 Sample 5136: [0.36127836 1.1945053 0.15026599 3.38169565 6.57254377
 -1.62095027
 4.31828956 -1.24790208 -3.71359917 -4.53585593 1.32971288 4.02460919
 4.18015787 -3.77345663 2.97832321 -3.06908748]
 Sample 5137: [0.36932297 1.26167161 0.15709827 3.37309155 6.55297033
 -1.714977
 4.32662627 -1.22805369 -3.74443838 -4.49642852 1.37882088 3.94037962
 4.17593046 -3.76245085 3.03262311 -3.08869793]
 Sample 5138: [0.42935899 1.2143911 0.1383128 3.32503548 6.44154542
 -1.70598185
 4.24307157 -1.25584739 -3.74227885 -4.47061868 1.41768274 3.93212445
 4.10545209 -3.76937224 2.99287347 -3.12676019]
 Sample 5139: [0.40239659 1.20371456 0.1772893 3.3026493 6.45602561
 -1.67100546
 4.30356936 -1.23724971 -3.75521827 -4.43394071 1.3791371 3.94888853
 4.1072967 -3.78315425 3.04143879 -3.0251886]
 Sample 5140: [0.32177921 1.19116298 0.13153716 3.32795671 6.43347306
 -1.64130679
 4.24950343 -1.30794226 -3.65654718 -4.46542083 1.44088907 3.97778937
 4.08620272 -3.78330336 3.08467186 -3.06195873]
 Sample 5141: [0.35594357 1.19677215 0.16981924 3.29929173 6.46687429
 -1.54218513
 4.26615526 -1.30439437 -3.58326245 -4.57055346 1.45622409 4.02232335
 4.11395545 -3.75559337 3.08685902 -3.15193154]
 Sample 5142: [0.36923037 1.24397847 0.1509533 3.29600642 6.44277601
 -1.55043009
 4.27231799 -1.24852728 -3.63556064 -4.56552156 1.43155672 3.97919501
 4.09343182 -3.81651859 3.08719859 -3.0860246]

Sample 5143: [0.37673242 1.1901286 0.16478515 3.17613521 6.47045621
 -1.56456213
 4.24960378 -1.31335592 -3.70038332 -4.5752968 1.40500953 4.07337126
 4.03028119 -3.81723821 3.13095418 -3.07708883]
 Sample 5144: [0.41662727 1.17377725 0.19186307 3.21339376 6.47550488
 -1.58982424
 4.17775502 -1.29779581 -3.71394709 -4.5820916 1.46472507 3.98988123
 3.99238396 -3.6783673 3.21410026 -3.10940021]
 Sample 5145: [0.42806968 1.13197999 0.16870661 3.27608709 6.40589195
 -1.60700526
 4.18066775 -1.30179781 -3.73318338 -4.6109973 1.45361616 3.96527047
 4.07209862 -3.72147063 3.17624381 -3.17189511]
 Sample 5146: [0.4701204 1.16335461 0.19878192 3.30434488 6.47839396
 -1.63458095
 4.1450994 -1.28070566 -3.84398523 -4.68393937 1.5001285 3.94161429
 4.10080938 -3.72381233 3.28565064 -3.11635834]
 Sample 5147: [0.50450083 1.13020334 0.19578104 3.29685415 6.50672232
 -1.62372913
 4.16683035 -1.24746168 -3.75017191 -4.6146394 1.46204257 3.93739366
 4.03628296 -3.72135747 3.24211708 -3.19774865]
 Sample 5148: [0.39909609 1.17994063 0.16174125 3.28791882 6.44589161
 -1.6559272
 4.11928716 -1.25579876 -3.74842825 -4.58489874 1.38294266 3.9298546
 4.08829717 -3.81434031 3.13634671 -3.10718023]
 Sample 5149: [0.3062527 1.157444 0.14921957 3.26498567 6.43646886
 -1.54506952
 4.18161439 -1.28550522 -3.75983016 -4.52077777 1.37781954 3.97164424
 4.10507856 -3.78796304 3.12763027 -3.12023818]
 Sample 5150: [0.2410117 1.16671267 0.15773962 3.27147831 6.43818313
 -1.47058022
 4.13377298 -1.25160648 -3.83199351 -4.55218973 1.42294092 4.02658287
 4.1108035 -3.73986486 3.11195293 -3.15270237]
 Sample 5151: [0.27428163 1.19398004 0.13485252 3.27225885 6.4199685
 -1.50287885
 4.14112636 -1.26489318 -3.84001682 -4.4935848 1.43667253 4.06171262
 4.12434185 -3.74577281 3.11216782 -3.04687315]
 Sample 5152: [0.25301023 1.16954373 0.13611883 3.25055279 6.41005997
 -1.45340424
 4.14018053 -1.22777155 -3.80366699 -4.45714767 1.3487706 4.08891946
 4.11913747 -3.69131376 2.98745907 -3.09284849]
 Sample 5153: [0.36210623 1.16926755 0.12206544 3.22439757 6.37339141
 -1.44270366
 4.11766739 -1.12253232 -3.86360177 -4.44769356 1.35274842 4.02574112
 4.22699296 -3.76218365 2.98435465 -2.98651006]
 Sample 5154: [0.42446936 1.2237763 0.12217572 3.25956429 6.36936904
 -1.40581034
 4.10005539 -1.15118493 -3.75090888 -4.38844926 1.39426499 4.06622415
 4.21899125 -3.73742117 3.04810454 -2.93438249]

Sample 5155: [0.39050262 1.17838326 0.14287409 3.31361501 6.38084504
 -1.38749059
 4.0829142 -1.20516376 -3.72324015 -4.3361909 1.37727663 4.16192813
 4.2783116 -3.66114636 3.10821181 -2.90926928]
 Sample 5156: [0.38673189 1.21826068 0.1529189 3.30743307 6.40179745
 -1.41631914
 4.05644016 -1.26478957 -3.68261746 -4.37121926 1.4169494 4.14076167
 4.31742842 -3.65572108 3.14626087 -3.01041283]
 Sample 5157: [0.37680793 1.16208365 0.15014358 3.37556163 6.374782
 -1.37225134
 4.14237508 -1.3257083 -3.68985963 -4.3872481 1.42770073 4.18723436
 4.33560894 -3.72604499 3.12890863 -2.9941759]
 Sample 5158: [0.39082159 1.20111396 0.16557551 3.36866425 6.32567671
 -1.36529028
 4.11083808 -1.34455232 -3.70722088 -4.33811756 1.45718012 4.16082776
 4.40072716 -3.76422889 3.12037073 -3.11091235]
 Sample 5159: [0.37299523 1.10526716 0.1421166 3.36977813 6.40631151
 -1.38720156
 4.11756555 -1.31524657 -3.62670727 -4.33182368 1.52777181 4.07442028
 4.37638583 -3.81027065 3.03271649 -3.06421325]
 Sample 5160: [0.26366565 1.20043872 0.13385195 3.35497921 6.40681214
 -1.39845433
 4.19419626 -1.24719232 -3.67529305 -4.31496912 1.66224394 4.00792167
 4.44783118 -3.7722843 2.99199048 -3.04434438]
 Sample 5161: [0.27759308 1.17005654 0.11105432 3.41052875 6.29679401
 -1.51494597
 4.13905449 -1.2915752 -3.67318662 -4.33930333 1.70507991 4.02238709
 4.40361566 -3.85051487 2.91699519 -3.02252809]
 Sample 5162: [0.23393135 1.21398474 0.12607954 3.47976884 6.27907211
 -1.54070054
 4.11034229 -1.34516226 -3.70626016 -4.23988929 1.71012528 4.06752872
 4.43085195 -3.79220317 3.00737736 -2.92762205]
 Sample 5163: [0.21174038 1.14380513 0.12876576 3.4515013 6.24037945
 -1.4694812
 4.12053919 -1.39226833 -3.70727635 -4.14815231 1.69699917 4.11454714
 4.36917637 -3.7899829 3.02731314 -2.89763764]
 Sample 5164: [0.305564 1.16503349 0.12992935 3.44909703 6.1988941
 -1.42257375
 4.07928414 -1.43610237 -3.76621899 -4.11208218 1.68526388 4.04676322
 4.35382882 -3.78002494 3.02895806 -2.75583698]
 Sample 5165: [0.36749865 1.14864767 0.15750206 3.38626883 6.19058275
 -1.49712931
 4.03175846 -1.45608982 -3.79416031 -4.17548876 1.68633963 4.10642016
 4.27754013 -3.756573 3.0478761 -2.75187966]
 Sample 5166: [0.34419346 1.20167533 0.15346736 3.39990883 6.20748765
 -1.43448411
 3.98090423 -1.49014998 -3.80975739 -4.21862949 1.69693684 4.10529729
 4.32762015 -3.81447118 2.97944124 -2.68135117]

Sample 5167: [0.37324338 1.18270483 0.13824532 3.3291239 6.19678116
 -1.40813371
 4.08570969 -1.46900942 -3.87374442 -4.2277172 1.69705411 4.12338922
 4.40030854 -3.84510443 3.02176432 -2.72044614]
 Sample 5168: [0.29659705 1.17086896 0.14360561 3.38267697 6.15138336
 -1.42286648
 4.0445822 -1.50897049 -3.88318355 -4.22964463 1.56338524 4.03121031
 4.34181845 -3.82017362 2.97796284 -2.74661019]
 Sample 5169: [0.33948409 1.14516281 0.14739768 3.39768724 5.97765586
 -1.42546519
 4.05912822 -1.49918024 -3.83557728 -4.27030892 1.48766507 3.94282242
 4.29360346 -3.88791296 3.04537742 -2.79468386]
 Sample 5170: [0.30946236 1.24288259 0.15363301 3.43506043 6.01898681
 -1.43802653
 4.08297681 -1.48982113 -3.85598498 -4.23388379 1.49334196 3.96790665
 4.30351171 -3.80017856 3.05440076 -2.7728986]
 Sample 5171: [0.35468536 1.12001975 0.16022023 3.50125636 6.04197706
 -1.45250845
 4.0374493 -1.5184409 -3.82963924 -4.31677989 1.44666359 3.93350621
 4.34810766 -3.7577148 3.10841666 -2.7074326]
 Sample 5172: [0.31234847 1.20269247 0.16946856 3.50551395 6.0997787
 -1.35166988
 4.11260836 -1.51300252 -3.8910431 -4.30211009 1.4172217 3.94296037
 4.27093348 -3.71608833 3.10958301 -2.72768932]
 Sample 5173: [0.36009532 1.22941852 0.18841478 3.47734492 6.09328278
 -1.30487576
 4.07414672 -1.51960911 -3.89545659 -4.17071307 1.47739523 3.97607281
 4.31075695 -3.73321246 3.09925307 -2.74054713]
 Sample 5174: [0.33399917 1.24292762 0.15684572 3.48293979 6.12326064
 -1.36282746
 4.05275091 -1.45259985 -3.87101282 -4.15872616 1.58882897 3.98692527
 4.27053136 -3.7786216 3.12517219 -2.74913792]
 Sample 5175: [0.29419016 1.13546353 0.15409692 3.450134 6.09987759
 -1.27284525
 4.07785208 -1.45542758 -3.9069151 -4.20122522 1.50707026 4.0148971
 4.23651691 -3.80636987 3.03610533 -2.72748783]
 Sample 5176: [0.24891801 1.21309208 0.14329903 3.51163596 6.04408481
 -1.24189632
 4.05137465 -1.4774665 -3.91964469 -4.24143043 1.47571777 3.98664902
 4.19794743 -3.71270131 3.09500323 -2.72538042]
 Sample 5177: [0.32507904 1.21693129 0.17385592 3.54051073 6.09705319
 -1.17704546
 4.02577658 -1.43750877 -3.92049411 -4.19159219 1.39174022 3.94333557
 4.23987417 -3.71927558 3.14784107 -2.65797902]
 Sample 5178: [0.28488962 1.15708723 0.16193662 3.52648959 6.07679785
 -1.14621323
 3.98822908 -1.45460381 -3.98184714 -4.14829361 1.41701697 3.96385566
 4.30450831 -3.65791291 3.09487982 -2.62774892]

Sample 5179: [0.24594159 1.15473473 0.1364132 3.48415892 6.08897718
 -1.15730317
 3.99976858 -1.47241441 -4.02690834 -4.15082086 1.2956084 4.0112839
 4.34554 -3.70288823 3.04912896 -2.59768051]
 Sample 5180: [0.28474549 1.213014 0.17465184 3.49161508 6.05547998
 -1.1833003
 3.96879468 -1.52382112 -3.95926594 -4.14937015 1.31207464 3.96810777
 4.34570767 -3.68820149 3.00473397 -2.58738082]
 Sample 5181: [0.30137646 1.18680892 0.16033404 3.4541637 6.08755567
 -1.19290651
 3.9166502 -1.57662628 -3.92335063 -4.2188035 1.31161598 3.99777797
 4.40506639 -3.73671162 3.04602555 -2.63454544]
 Sample 5182: [0.33944965 1.1607901 0.19054309 3.50018219 6.00024792
 -1.16185686
 3.9783755 -1.60413312 -3.91692172 -4.24137232 1.38624786 3.98646374
 4.46669248 -3.78134251 3.03458512 -2.62202767]
 Sample 5183: [0.33225111 1.19438326 0.17178532 3.47369528 5.90321998
 -1.10184873
 3.89758963 -1.55618927 -3.91844237 -4.31959964 1.42793771 3.97458267
 4.46529696 -3.77571424 2.97339973 -2.60953603]
 Sample 5184: [0.30493233 1.18840631 0.16313389 3.49806226 5.8746611
 -1.08058519
 3.85207558 -1.48244447 -3.86988822 -4.30399321 1.37517896 3.95067137
 4.46342279 -3.82276943 2.91870817 -2.65212063]
 Sample 5185: [0.31311671 1.13185574 0.19597908 3.4763586 5.9299414
 -1.09098167
 3.86707169 -1.4994418 -3.86314167 -4.31998362 1.28857788 3.97778859
 4.44588669 -3.92671994 2.94776173 -2.71719353]
 Sample 5186: [0.32875813 1.14752414 0.20065023 3.5326206 5.98160767
 -1.10483614
 3.83511443 -1.5673197 -3.85172472 -4.3241599 1.21078141 3.97133086
 4.43166678 -3.92148939 2.97758012 -2.81652147]
 Sample 5187: [0.3087558 1.11503871 0.19837478 3.45608771 6.05980299
 -1.09761263
 3.9033432 -1.59959543 -3.87777727 -4.30076364 1.21674702 3.99745929
 4.35840918 -3.94959642 2.89337733 -2.78282231]
 Sample 5188: [0.32957146 1.13698297 0.25472845 3.48956667 6.08136565
 -1.02359857
 3.95531488 -1.63581092 -3.90781156 -4.28268947 1.21896827 3.92696381
 4.35319156 -3.91284695 2.85038916 -2.73844384]
 Sample 5189: [0.33571151 1.16632864 0.2004611 3.44725173 6.00215341
 -0.98231196
 4.00618644 -1.63044926 -3.84168484 -4.26950537 1.18945523 3.92659081
 4.31660513 -3.91288178 2.82370928 -2.70783279]
 Sample 5190: [0.3255312 1.20173325 0.24207438 3.45893851 6.1282637
 -1.02336864
 4.05737444 -1.57772691 -3.74534978 -4.17743217 1.20618415 3.93966514
 4.2669229 -3.88252969 2.84047179 -2.73041423]

Sample 5191: [0.37349851 1.20401928 0.22257158 3.46008703 6.14922616
 -1.0499407
 4.10028687 -1.61526754 -3.74899932 -4.21395319 1.06104426 3.93649359
 4.14877088 -3.83364629 2.79172014 -2.74976517]
 Sample 5192: [0.38299066 1.25426058 0.29667309 3.47084837 6.1115196
 -1.07197009
 4.12633174 -1.62473139 -3.80403987 -4.25376184 1.07494957 3.92982967
 4.21375548 -3.85471003 2.75844357 -2.82145578]
 Sample 5193: [0.40395608 1.18053359 0.24378138 3.45829152 6.08315783
 -0.96796947
 4.11324186 -1.67346893 -3.766136 -4.2946127 1.03533648 3.97303979
 4.23039706 -3.86944928 2.71277739 -2.78928061]
 Sample 5194: [0.33965376 1.24335922 0.27965825 3.49789593 6.15178554
 -0.98912507
 4.19677174 -1.61628666 -3.67654988 -4.26651917 1.10216156 4.00638116
 4.19981987 -3.75679896 2.73483338 -2.76377506]
 Sample 5195: [0.46351775 1.24206057 0.23940795 3.53550284 6.10507818
 -0.93782752
 4.26521926 -1.56344209 -3.66713918 -4.38160395 1.08922007 3.93524474
 4.27241682 -3.90171091 2.67830116 -2.84132655]
 Sample 5196: [0.47302721 1.12905126 0.3077137 3.43826308 6.11148122
 -0.89827994
 4.19183785 -1.52958583 -3.6371605 -4.35558365 1.07410341 3.9140866
 4.36245775 -3.94443533 2.71931905 -2.85440219]
 Sample 5197: [0.44370141 1.22490415 0.25406255 3.46052173 6.13526846
 -0.92220974
 4.14122481 -1.55367188 -3.61298095 -4.35929697 1.07341068 3.99450587
 4.35297999 -3.9347472 2.68091968 -2.93057475]
 Sample 5198: [0.47249078 1.1494379 0.28591243 3.4887707 5.96648588
 -0.96170983
 4.07000429 -1.54782878 -3.63834475 -4.33369983 1.16592789 3.98434031
 4.30101635 -3.90104702 2.69375488 -3.03993703]
 Sample 5199: [0.42419073 1.19247944 0.26883683 3.4565831 5.9976116
 -0.96590323
 4.10363329 -1.54930704 -3.7205156 -4.36991506 1.21293317 3.90921252
 4.28781845 -3.84170472 2.78246221 -3.02432514]
 Sample 5200: [0.45352172 1.17467907 0.26884364 3.46793556 5.955228
 -0.92994198
 4.13258775 -1.5317696 -3.64892324 -4.37104584 1.3007396 3.92556225
 4.27197405 -3.89123075 2.80284373 -3.14043168]
 Sample 5201: [0.47892996 1.17794277 0.27501952 3.46149596 5.91849311
 -0.93728273
 4.12209702 -1.46910323 -3.62087945 -4.3810555 1.28826356 3.89790298
 4.34815149 -3.9342462 2.6935026 -3.16643974]
 Sample 5202: [0.53836236 1.10302266 0.25703515 3.53443675 5.92863057
 -0.92373043
 4.1513148 -1.45940979 -3.67530121 -4.33057958 1.22214132 3.94817441
 4.37658989 -3.91873082 2.67804149 -3.1726508]

Sample 5203: [0.54001273 1.21024527 0.29618636 3.60024366 5.9429757
 -0.88367883
 4.09203355 -1.48485739 -3.64254925 -4.34523133 1.19686599 3.89260668
 4.33741297 -3.93147378 2.63317167 -3.17963473]
 Sample 5204: [0.45806766 1.11446875 0.28487364 3.65646238 5.97014908
 -0.85254191
 4.09477142 -1.63149568 -3.62646815 -4.34903404 1.2180035 3.94204976
 4.30324392 -3.81752651 2.70500489 -3.19658706]
 Sample 5205: [0.47756365 1.14376831 0.31357725 3.64110289 5.91457281
 -0.79810643
 4.08130953 -1.59673658 -3.74973336 -4.35639342 1.22273597 3.99334421
 4.26539702 -3.85605626 2.68677617 -3.17336375]
 Sample 5206: [0.47492409 1.1395988 0.28184243 3.64103658 5.90224069
 -0.79044869
 4.18348711 -1.59018415 -3.63787893 -4.38766206 1.17710813 3.94498207
 4.24982748 -3.88542853 2.63450706 -3.1585811]
 Sample 5207: [0.3731533 1.25321026 0.30906589 3.72411078 5.89238147
 -0.72601279
 4.12643354 -1.59486027 -3.67440963 -4.36458217 1.1217096 3.87564337
 4.27174365 -3.89740102 2.65882344 -3.25315095]
 Sample 5208: [0.26616514 1.11258388 0.25972648 3.7156126 5.94838294
 -0.70428885
 4.15739291 -1.64090558 -3.65340689 -4.33044725 1.17499923 3.89525165
 4.23832525 -3.82990898 2.57732387 -3.25057085]
 Sample 5209: [0.31534033 1.14990859 0.30174235 3.63873103 5.99969171
 -0.75772988
 4.24635714 -1.5985037 -3.65420678 -4.37221102 1.22133755 3.82322805
 4.21141277 -3.82415766 2.72106041 -3.2669723]
 Sample 5210: [0.39533338 1.21304182 0.28044463 3.58250632 5.98611957
 -0.76947652
 4.24568421 -1.59355733 -3.67908709 -4.32085364 1.30837562 3.85763727
 4.22820906 -3.81392969 2.71114837 -3.22200202]
 Sample 5211: [0.35520734 1.11135752 0.29886534 3.56146416 6.06923041
 -0.67700955
 4.19746437 -1.56126552 -3.58389559 -4.24479936 1.30849169 3.88092881
 4.2072865 -3.89266498 2.79149329 -3.14343257]
 Sample 5212: [0.29687296 1.21049824 0.27542382 3.65872919 6.11946162
 -0.65807936
 4.26936805 -1.68515258 -3.47857613 -4.21447676 1.39130936 3.83062301
 4.16702251 -3.84182959 2.78087594 -3.06932601]
 Sample 5213: [0.34103499 1.20517159 0.2839142 3.67804781 6.15453337
 -0.61027389
 4.24854883 -1.60112349 -3.44901714 -4.15574354 1.37997353 3.83850938
 4.18686956 -3.89857107 2.86402706 -3.09304048]
 Sample 5214: [0.3240008 1.16091094 0.27704718 3.63321859 6.15536822
 -0.67292596
 4.33046887 -1.59747988 -3.42194599 -4.236453 1.25245289 3.85746202
 4.20238448 -3.92199847 2.80557581 -3.11517455]

Sample 5215: [0.2415176 1.16461267 0.23857995 3.64789564 6.13884705
 -0.68923933
 4.41668854 -1.55561695 -3.41651302 -4.25022031 1.24295305 3.82498433
 4.12939075 -3.92688688 2.85432711 -3.16323688]
 Sample 5216: [0.16098827 1.2038037 0.20353699 3.69286896 6.05638725
 -0.79685783
 4.45292745 -1.4355218 -3.49199828 -4.29909949 1.13058126 3.91282977
 4.09426324 -3.9144358 2.94298464 -3.18391382]
 Sample 5217: [0.1778151 1.24323324 0.24189572 3.68385681 6.03167043
 -0.75496414
 4.41026963 -1.48659999 -3.50945763 -4.24544294 1.15698723 3.83993822
 4.04668062 -3.98162931 2.96060166 -3.26609998]
 Sample 5218: [0.19980349 1.23009067 0.20618355 3.76267749 6.03717112
 -0.79675352
 4.54776216 -1.41747176 -3.53495808 -4.28141864 1.10254465 3.80631265
 4.04497669 -3.96414268 2.98808168 -3.24708563]
 Sample 5219: [0.11343309 1.18631901 0.23320576 3.73746996 6.01758944
 -0.7384963
 4.57228541 -1.39373237 -3.4851854 -4.30585156 1.14256827 3.82634761
 4.0844754 -4.067997 2.89645995 -3.24445174]
 Sample 5220: [0.05757516 1.20151964 0.22405051 3.76987533 5.93281266
 -0.79225323
 4.39793241 -1.45103619 -3.46789221 -4.35329194 1.21217192 3.77659463
 4.01661312 -4.10790479 2.98309232 -3.34678271]
 Sample 5221: [0.07758049 1.20711468 0.27485035 3.71101334 5.87528959
 -0.84241752
 4.43427127 -1.4577042 -3.50075061 -4.33283343 1.26488124 3.78099253
 4.00455802 -4.11303345 2.97972617 -3.41278301]
 Sample 5222: [0.03966038 1.2100067 0.25346566 3.73576787 5.91491478
 -0.88114949
 4.40277329 -1.41047938 -3.41512998 -4.27257027 1.27658455 3.70145845
 3.97305853 -4.10591664 3.04812012 -3.36038503]
 Sample 5223: [0.12453508 1.1942852 0.25045784 3.80648648 5.82634286
 -0.90330955
 4.39399655 -1.50580054 -3.50230582 -4.37206271 1.21024312 3.64404292
 3.97225224 -3.99913386 2.98829344 -3.40109882]
 Sample 5224: [0.07787842 1.16905803 0.26746206 3.79649662 5.76126753
 -0.95280778
 4.33926101 -1.44845618 -3.54807844 -4.39357117 1.20000717 3.66551468
 3.88124934 -3.96064986 3.09403641 -3.36943831]
 Sample 5225: [0.02791658 1.24458601 0.28101382 3.89089809 5.76956088
 -1.02316081
 4.38881821 -1.4067473 -3.58713062 -4.43782749 1.24373601 3.70769077
 3.84532488 -3.98296664 3.09178808 -3.35405567]
 Sample 5226: [0.04354196 1.23556988 0.24260526 3.85955478 5.75336307
 -0.95373031
 4.36582685 -1.40074387 -3.65105421 -4.43380555 1.20923681 3.64626671
 3.86261844 -4.01025334 3.11229094 -3.24886669]

Sample 5227: [0.08559437 1.19249544 0.24814068 3.83340016 5.77482356
 -0.94559785
 4.33538047 -1.36784855 -3.68812417 -4.45937243 1.17014437 3.5911475
 3.80250792 -4.04443108 3.03948707 -3.21319795]
 Sample 5228: [0.0966411 1.14465016 0.26761963 3.78295018 5.80718054
 -0.94314656
 4.28853877 -1.40929599 -3.67160334 -4.45672161 1.164632 3.57135183
 3.8779164 -4.02541235 3.07204872 -3.25101761]
 Sample 5229: [0.07646368 1.19390213 0.26205483 3.90418156 5.8830455
 -0.9467625
 4.18235246 -1.47424756 -3.66462526 -4.3892444 1.26285161 3.45613297
 3.94242195 -4.08266974 3.08794164 -3.20305524]
 Sample 5230: [0.02794267 1.16570792 0.25304567 3.90220619 5.94190071
 -0.91586266
 4.23837793 -1.51938222 -3.6643107 -4.36138355 1.29072971 3.46672325
 3.90741012 -4.15045076 3.09337848 -3.07216462]
 Sample 5231: [0.07001767 1.21102801 0.27081619 3.96547441 5.92760523
 -0.85195442
 4.17673303 -1.50473718 -3.71010055 -4.37990996 1.20709828 3.47839773
 3.83229875 -4.18940929 3.14184902 -3.11777609]
 Sample 5232: [0.03849387 1.15735405 0.29363177 3.94741781 5.9539593
 -0.82683084
 4.21015499 -1.48474106 -3.67015306 -4.32203409 1.15408572 3.46907985
 3.82740508 -4.28427413 3.11317487 -3.18856596]
 Sample 5233: [0.09077521 1.17809902 0.2479897 3.9252415 6.03738146
 -0.86822939
 4.24342459 -1.52110285 -3.68506075 -4.43446861 1.10146636 3.42616641
 3.79539856 -4.28790297 3.18593141 -3.11250008]
 Sample 5234: [0.09859358 1.19305025 0.26134354 3.96289096 6.02732875
 -0.81350232
 4.16607046 -1.49753641 -3.67492038 -4.38900279 1.10703623 3.45116346
 3.8113894 -4.36641732 3.15376004 -3.06222929]
 Sample 5235: [0.10525655 1.209976 0.25124048 4.04832672 6.03689374
 -0.82770146
 4.20298508 -1.50128455 -3.71370369 -4.37321459 1.08032766 3.46351742
 3.83799205 -4.35331969 3.21219731 -3.07507264]
 Sample 5236: [0.06019303 1.18609959 0.2660349 4.02845549 6.0553974
 -0.77174869
 4.21967903 -1.47177078 -3.62286686 -4.35073272 1.2042933 3.50280629
 3.77440168 -4.34195416 3.26695118 -3.10871177]
 Sample 5237: [0.07430971 1.23920168 0.32422008 4.02942729 6.10163773
 -0.81957123
 4.18784885 -1.407403 -3.59742455 -4.39146136 1.09153856 3.45319729
 3.76732105 -4.28397576 3.33320853 -3.02888618]
 Sample 5238: [0.07830073 1.20438069 0.21491803 3.95523187 6.12154617
 -0.92108136
 4.17756601 -1.44854324 -3.6205078 -4.41212419 1.06488499 3.43483563
 3.85302311 -4.31337689 3.3024955 -3.06638827]

Sample 5239: [0.15135246 1.26205215 0.23433421 4.00458146 6.06331502
 -0.9798455
 4.20726715 -1.37512631 -3.49949066 -4.49739413 1.09875387 3.45353929
 3.89069045 -4.33429407 3.33811966 -3.08013132]
 Sample 5240: [0.10799718 1.19239335 0.20722292 4.0990282 6.00794946
 -0.9844638
 4.33040584 -1.46440226 -3.50642658 -4.54374543 1.1660203 3.43642777
 3.99447437 -4.37767191 3.30103887 -3.04218372]
 Sample 5241: [0.18509608 1.16675493 0.20653445 4.07724112 5.96440132
 -0.95423119
 4.36942608 -1.43932842 -3.44261432 -4.5403484 1.13139206 3.36980249
 3.98587205 -4.38208453 3.35101859 -2.95290637]
 Sample 5242: [0.16196022 1.1834861 0.20371684 4.08542888 5.89901778
 -0.95049913
 4.30895697 -1.50147195 -3.45716511 -4.561043 1.11687734 3.45217277
 4.02737573 -4.39328808 3.31969126 -2.99244204]
 Sample 5243: [0.08331649 1.16197739 0.26640039 4.08587772 5.85033289
 -0.99647594
 4.38188845 -1.54918124 -3.56905336 -4.51575433 1.12118742 3.47988373
 4.08779796 -4.43953951 3.29067282 -3.08400316]
 Sample 5244: [0.04074103 1.24312603 0.29934746 4.08903261 5.91548286
 -0.9682179
 4.50848215 -1.52503464 -3.58515455 -4.48373791 1.20255654 3.43457649
 4.09071512 -4.40236223 3.29136092 -3.15043982]
 Sample 5245: [0.08823124 1.27470528 0.28446727 4.17331206 5.89545209
 -0.92291263
 4.55494957 -1.59659164 -3.59603216 -4.43780239 1.22738288 3.38036553
 4.08736297 -4.40490382 3.26448389 -3.13633584]
 Sample 5246: [-1.47580990e-03 1.31863238e+00 2.78432435e-01 4.22014268e+00
 5.87988188e+00 -7.93133298e-01 4.55827808e+00 -1.58911838e+00
 -3.55919503e+00 -4.36727308e+00 1.24604074e+00 3.41747189e+00
 4.02691620e+00 -4.33213312e+00 3.29622651e+00 -3.16245410e+00]
 Sample 5247: [0.01995861 1.28059625 0.30378226 4.26308124 5.83753573
 -0.79690122
 4.58654979 -1.60915643 -3.49524084 -4.37621086 1.24958881 3.42314815
 4.00997676 -4.32375377 3.26120576 -3.12392568]
 Sample 5248: [0.07603071 1.24895028 0.33638759 4.27684765 5.82062887
 -0.77019789
 4.52122129 -1.62090024 -3.5093085 -4.42891597 1.20012495 3.4256593
 3.93007867 -4.33827904 3.20248789 -3.11078995]
 Sample 5249: [0.04708106 1.21229027 0.31947961 4.25451074 5.91097672
 -0.75700804
 4.44356287 -1.70206785 -3.57367771 -4.5351406 1.20151558 3.4082037
 3.98947149 -4.28783536 3.23875021 -3.18068798]
 Sample 5250: [0.06772281 1.22051452 0.37030756 4.23326841 5.94578329
 -0.79891347
 4.38299806 -1.74677438 -3.63763477 -4.62809164 1.17231268 3.45428927
 4.01886868 -4.30645578 3.14941664 -3.16257204]

Sample 5251: [0.08041512 1.2069694 0.32702997 4.2707219 6.00298778
 -0.77215372
 4.34634143 -1.82465967 -3.60197137 -4.56357863 1.09969409 3.54609012
 4.04042333 -4.28331887 3.10179295 -3.16339279]
 Sample 5252: [0.14640548 1.18484992 0.32870596 4.31918849 6.04002591
 -0.73852099
 4.317678 -1.76330095 -3.61012677 -4.52558484 1.1004204 3.52524443
 4.10042403 -4.31164407 3.13087042 -3.22322775]
 Sample 5253: [0.11171761 1.17688323 0.35388963 4.37145963 6.07078691
 -0.81598712
 4.3797405 -1.76731947 -3.57401819 -4.47808114 1.11336556 3.55458995
 4.05907911 -4.33198642 3.09204045 -3.23105849]
 Sample 5254: [0.09247896 1.19672076 0.31975821 4.42312752 6.12085601
 -0.83091043
 4.37003232 -1.8236124 -3.58002075 -4.39131684 1.06702038 3.61963305
 4.00641646 -4.31304485 3.0687596 -3.30206512]
 Sample 5255: [0.05399165 1.27896929 0.359322 4.41398751 6.06639291
 -0.87681483
 4.35889374 -1.87572674 -3.63175399 -4.45741585 1.05754062 3.58045809
 3.97723693 -4.22924128 3.14068977 -3.26929624]
 Sample 5256: [0.05155077 1.22615168 0.35776551 4.369635 6.06805934
 -0.9130276
 4.38912693 -1.92915977 -3.61625132 -4.43261512 1.07778409 3.60291096
 3.92335473 -4.21709988 3.01869908 -3.24765223]
 Sample 5257: [0.07971021 1.25698904 0.3917973 4.26878181 6.06275258
 -0.88690376
 4.42077869 -1.94135195 -3.7031928 -4.4653002 1.00718065 3.64004247
 3.97703885 -4.18803936 3.02660873 -3.22050317]
 Sample 5258: [0.14073566 1.22532079 0.37148431 4.27870934 6.02698292
 -0.97924205
 4.34144542 -1.98830651 -3.66911166 -4.48101013 1.03482434 3.70142696
 3.95889802 -4.1732675 2.97187891 -3.19071857]
 Sample 5259: [0.06198957 1.17480267 0.38025943 4.30472272 6.04811147
 -0.9344574
 4.3099181 -1.97704382 -3.65636642 -4.41242482 1.05153605 3.74414976
 3.96932867 -4.16323093 2.91217177 -3.24194525]
 Sample 5260: [0.12490868 1.19819457 0.37437603 4.34518188 5.98759018
 -0.90599653
 4.32153002 -2.00468223 -3.72883603 -4.4002526 1.10049034 3.75984771
 3.93759618 -4.20813541 2.8709191 -3.32542155]
 Sample 5261: [0.09410668 1.17991372 0.36605898 4.36397812 5.97517943
 -0.78459185
 4.3525135 -1.97695413 -3.62987593 -4.40240881 1.19726936 3.8241849
 3.96440344 -4.14674874 2.93522358 -3.33007544]
 Sample 5262: [0.17222093 1.11446627 0.34247583 4.36018731 6.01433847
 -0.69658311
 4.2762654 -2.02215391 -3.67269411 -4.41406456 1.15407016 3.75916902
 4.00985786 -4.25576069 2.89508488 -3.40290985]

Sample 5263: [0.20719499 1.18497749 0.37583112 4.3655657 5.90764157
 -0.68891149
 4.20161708 -1.97847694 -3.6772089 -4.38157706 1.20200226 3.80968877
 3.97295132 -4.18775149 2.80820843 -3.31322572]
 Sample 5264: [0.15929973 1.12145641 0.36233573 4.39448349 5.84906258
 -0.65796226
 4.18896932 -1.95782804 -3.70587392 -4.39182166 1.33017711 3.76308135
 3.98609017 -4.18521492 2.79285292 -3.32648673]
 Sample 5265: [0.22278556 1.17171317 0.34059858 4.44132526 5.85473926
 -0.58210674
 4.19205548 -1.95389279 -3.61604929 -4.44900485 1.26260492 3.77245849
 3.9228661 -4.30907013 2.74154127 -3.3618053]
 Sample 5266: [0.20594017 1.08726547 0.38005696 4.5002192 5.87334071
 -0.58096153
 4.20650988 -1.96158513 -3.60049884 -4.49357387 1.27518129 3.76822185
 3.92553557 -4.39557222 2.73520815 -3.32568175]
 Sample 5267: [0.20160941 1.17287627 0.33920192 4.5437578 5.79769616
 -0.54629543
 4.24164695 -2.02647658 -3.59421342 -4.43916387 1.28128296 3.75347432
 3.93071192 -4.39707496 2.80419954 -3.35910607]
 Sample 5268: [0.16597497 1.0841566 0.3960347 4.66191837 5.75807763
 -0.5205905
 4.27901308 -1.96301468 -3.51471853 -4.41967677 1.26973953 3.82215341
 3.96988625 -4.36913404 2.82548575 -3.3953917]
 Sample 5269: [0.20328361 1.20056969 0.35925113 4.58289419 5.73304121
 -0.52412238
 4.2195381 -2.00302672 -3.44466647 -4.37439365 1.31741414 3.75617275
 3.9878878 -4.32211171 2.76155051 -3.42379825]
 Sample 5270: [0.21526105 1.11451068 0.37591092 4.5612377 5.67628151
 -0.5210016
 4.23305946 -1.97807764 -3.42830767 -4.28480364 1.33611675 3.69471286
 3.90481745 -4.33732276 2.76128282 -3.33832205]
 Sample 5271: [0.17441227 1.15747081 0.34026797 4.62372456 5.56493695
 -0.57763569
 4.23527475 -2.01964473 -3.4019336 -4.3650627 1.33005856 3.74873369
 3.88890117 -4.3445292 2.73376754 -3.28196001]
 Sample 5272: [0.19028529 1.14562172 0.38354316 4.59255137 5.57025892
 -0.50936452
 4.23790258 -1.99483914 -3.35355855 -4.32443201 1.32909372 3.68821523
 3.85090174 -4.37739397 2.79288301 -3.30179364]
 Sample 5273: [0.230576 1.14314397 0.3382122 4.51089959 5.62132536
 -0.50115282
 4.21118112 -1.96597081 -3.4254077 -4.28098824 1.38416801 3.728036
 3.81992682 -4.41361424 2.7675761 -3.28863181]
 Sample 5274: [0.16508962 1.23635786 0.36993751 4.55989552 5.62737392
 -0.55170542
 4.27775424 -1.99898709 -3.43492125 -4.25900056 1.41885209 3.80491145
 3.90136255 -4.38818377 2.77334291 -3.3350634]

Sample 5275: [0.14425529 1.24418784 0.33242155 4.4853194 5.64983268
 -0.52881106
 4.27500985 -2.09383804 -3.53734581 -4.25459383 1.40403117 3.84850851
 3.93599798 -4.39437601 2.73810499 -3.30720577]
 Sample 5276: [0.17632013 1.17909049 0.38435669 4.48731281 5.72310369
 -0.48980817
 4.3476944 -2.04675472 -3.57460318 -4.25807825 1.43118191 3.77762312
 3.98999188 -4.4426599 2.6778353 -3.33781013]
 Sample 5277: [0.22049261 1.19447489 0.38722144 4.5201639 5.81392522
 -0.50658227
 4.36735299 -2.18100955 -3.59795891 -4.22539857 1.32630923 3.75256814
 4.07925106 -4.34269224 2.69882674 -3.42347179]
 Sample 5278: [0.2691871 1.16187216 0.41729738 4.57098145 5.75303582
 -0.55257963
 4.40633719 -2.14313128 -3.60174796 -4.15039595 1.2851855 3.80343677
 4.11686117 -4.33101517 2.69666372 -3.39169348]
 Sample 5279: [0.22043731 1.14791661 0.39018104 4.55492279 5.73166897
 -0.52484378
 4.42357304 -2.20004113 -3.54725688 -4.06905022 1.20089313 3.79057952
 4.14578898 -4.31664727 2.73527508 -3.38087828]
 Sample 5280: [0.15558529 1.2438959 0.41634911 4.5526407 5.78687382
 -0.54292502
 4.42804265 -2.15055663 -3.58548319 -4.10563569 1.21276166 3.76489941
 4.12948151 -4.28314075 2.7490594 -3.37920618]
 Sample 5281: [0.14850072 1.27427415 0.3620702 4.55508132 5.76980034
 -0.50622009
 4.48672915 -2.0881356 -3.59261051 -4.11805512 1.18211573 3.83385707
 4.09086478 -4.25841233 2.65718026 -3.41400755]
 Sample 5282: [0.18510877 1.25335179 0.41191629 4.58334898 5.75551326
 -0.52449218
 4.55694995 -2.07647871 -3.63158613 -4.10901224 1.15791438 3.75738489
 4.05440227 -4.3189637 2.71167715 -3.3625099]
 Sample 5283: [0.13928159 1.2294221 0.36739868 4.54663435 5.73562139
 -0.457119
 4.51896582 -2.12796309 -3.58683688 -4.03486047 1.17866726 3.72154922
 4.01993731 -4.27491753 2.71398301 -3.39644591]
 Sample 5284: [0.12772623 1.24450351 0.41347109 4.55854911 5.70737936
 -0.50542887
 4.54390947 -2.15115663 -3.54540466 -3.98680093 1.22754858 3.72087242
 4.03968997 -4.2776454 2.63766834 -3.40592321]
 Sample 5285: [0.08338686 1.26634006 0.3524992 4.59489869 5.62188177
 -0.51078855
 4.54659967 -2.05098257 -3.60788221 -4.02829142 1.1519104 3.59275625
 4.11269949 -4.27222152 2.59095934 -3.37990804]
 Sample 5286: [0.10682747 1.22894902 0.39248596 4.65767961 5.60592537
 -0.50919897
 4.51000152 -1.99947362 -3.6108401 -4.06162035 1.09282997 3.54666691
 4.13207982 -4.25858889 2.56249821 -3.39266567]

Sample 5287: [0.119704 1.21016931 0.37994726 4.72262721 5.56559834
 -0.45910791
 4.47649949 -1.9883628 -3.54569968 -4.03452639 1.02956809 3.58312199
 4.09774624 -4.22009681 2.48287301 -3.46229979]
 Sample 5288: [0.09028162 1.27255723 0.37343821 4.79889803 5.58066736
 -0.41976658
 4.50685551 -1.93466119 -3.5923055 -4.05688925 1.04897871 3.63377615
 4.03137111 -4.22624945 2.41796076 -3.41670852]
 Sample 5289: [0.12005728 1.22369492 0.34569806 4.79008536 5.56376263
 -0.49678363
 4.54146586 -1.94634784 -3.61406817 -4.05130078 1.08888418 3.67551629
 3.9906299 -4.31058321 2.37625134 -3.38804115]
 Sample 5290: [0.14521985 1.23243515 0.35037632 4.72630231 5.57517709
 -0.46624051
 4.56810133 -1.86630115 -3.596503 -4.0132885 1.05597491 3.74808067
 3.98081891 -4.29323471 2.36012853 -3.38608981]
 Sample 5291: [0.10803284 1.26948702 0.37099376 4.69320394 5.56817591
 -0.4703723
 4.46720028 -1.89036056 -3.5263768 -4.04822318 1.01986229 3.68765537
 3.98250129 -4.30097931 2.35373505 -3.44261436]
 Sample 5292: [0.05311475 1.2306301 0.35769733 4.62481991 5.62669643
 -0.48802434
 4.41301778 -1.86480258 -3.55112832 -4.11887398 1.09776093 3.75961885
 3.96863137 -4.34419444 2.29366145 -3.43940416]
 Sample 5293: [0.03216463 1.27639209 0.38252507 4.71878721 5.51549784
 -0.52485565
 4.38261473 -1.95026775 -3.567296 -4.1474153 1.05447121 3.85363849
 3.93893046 -4.43764058 2.29327925 -3.46595515]
 Sample 5294: [0.10663213 1.19969353 0.3734665 4.68031655 5.47947841
 -0.540532
 4.37603408 -1.96625025 -3.51477264 -4.19663894 1.01406198 3.90625325
 3.97489624 -4.4422177 2.2497904 -3.47956053]
 Sample 5295: [0.12489715 1.17958825 0.36229708 4.66847615 5.4360725
 -0.46537288
 4.3489468 -1.93173872 -3.45682255 -4.24126553 1.03518399 3.95379949
 3.95451808 -4.352482 2.19454667 -3.42845193]
 Sample 5296: [0.11703824 1.21271933 0.38216777 4.6397092 5.41439026
 -0.48224637
 4.36563361 -1.9511225 -3.45680877 -4.20395459 1.06139937 3.94590041
 3.87877114 -4.32195599 2.2818239 -3.42349911]
 Sample 5297: [0.04318151 1.19652717 0.36448756 4.61009997 5.43924266
 -0.47289174
 4.40508518 -1.98178363 -3.55314094 -4.22542468 1.13124502 3.90798542
 3.91511013 -4.31792732 2.24203474 -3.50186566]
 Sample 5298: [0.10651872 1.25507417 0.40168365 4.64054573 5.40853843
 -0.38734059
 4.39617414 -1.97189036 -3.56670451 -4.19004679 1.105643 3.92194117
 3.9508768 -4.38434377 2.27434506 -3.52702619]

Sample 5299: [0.12017684 1.23140891 0.35528925 4.63671619 5.43699496
 -0.37244105
 4.38889052 -2.03717457 -3.59739511 -4.15187725 1.10961045 4.01719489
 4.01500332 -4.3350854 2.27175747 -3.49169365]
 Sample 5300: [0.0534054 1.27613176 0.38003514 4.66587119 5.48708242
 -0.26228807
 4.46777927 -1.8606665 -3.60966088 -4.10655386 1.02883461 4.07629507
 3.96068766 -4.34861072 2.22689439 -3.61225712]
 Sample 5301: [0.0930378 1.26610555 0.32636361 4.75296269 5.49681899
 -0.27277058
 4.4082918 -1.884581 -3.67091236 -4.08837388 1.07169059 4.15983122
 3.95935819 -4.37841782 2.24137315 -3.51809308]
 Sample 5302: [0.08674438 1.25464643 0.38868915 4.69860838 5.51207796
 -0.29561555
 4.44222424 -1.89497203 -3.63526219 -4.15463139 1.07423964 4.16533559
 3.95149763 -4.43863196 2.18819528 -3.51282389]
 Sample 5303: [4.91904244e-03 1.28933913e+00 3.42594491e-01 4.69878942e+00
 5.58272702e+00 -2.74568225e-01 4.37861804e+00 -1.89066568e+00
 -3.68697615e+00 -4.19839522e+00 1.01797068e+00 4.17042026e+00
 3.99566300e+00 -4.49124755e+00 2.19811920e+00 -3.46773313e+00]
 Sample 5304: [-0.06018708 1.29921027 0.37236448 4.62467904 5.57617718
 -0.1832168
 4.36079104 -1.90781533 -3.7078758 -4.11464881 1.05699582 4.11706853
 4.05419041 -4.53253485 2.09431318 -3.46278631]
 Sample 5305: [-0.01041676 1.2793885 0.34536151 4.54070728 5.57193633
 -0.18724524
 4.38737084 -1.94262001 -3.67648835 -4.07520264 0.98316455 4.0521354
 4.04131347 -4.51465007 2.0711719 -3.4008265]
 Sample 5306: [-0.03447755 1.26432018 0.38787149 4.53215655 5.57488599
 -0.20247641
 4.30209688 -1.93081688 -3.68893734 -4.08504912 1.05471319 4.10596506
 3.99092039 -4.53727654 2.02858278 -3.37898817]
 Sample 5307: [-0.03703763 1.31035351 0.35570831 4.48877059 5.53118663
 -0.21898805
 4.29950284 -1.97295378 -3.73032515 -4.06010721 1.12339238 4.12246702
 3.96984268 -4.4577002 2.11899884 -3.50619236]
 Sample 5308: [-0.0657496 1.26078732 0.40415077 4.45882628 5.4863608
 -0.1873316
 4.37250352 -2.03429416 -3.7635759 -4.04031629 1.13149997 4.10526914
 3.95734958 -4.35765582 2.15836556 -3.55447482]
 Sample 5309: [0.00835142 1.29790743 0.37531561 4.37301561 5.55249153
 -0.21400784
 4.41175574 -2.05203152 -3.69437493 -4.08191796 1.01164685 4.12423616
 3.94435668 -4.24069219 2.07648226 -3.61067331]
 Sample 5310: [-2.65794831e-03 1.29827830e+00 4.04945618e-01 4.36361822e+00
 5.54223524e+00 -2.47333767e-01 4.36048055e+00 -2.01831551e+00
 -3.59887564e+00 -4.07102240e+00 9.90876098e-01 4.13564207e+00
 3.86370943e+00 -4.26721656e+00 2.02722537e+00 -3.59371704e+00]

Sample 5311: [-0.05349601 1.26191432 0.3600876 4.46888752 5.44819788
 -0.30248798
 4.31580816 -1.98361566 -3.65252998 -4.03595923 1.01178177 4.19869226
 3.97433667 -4.22141497 2.05050164 -3.49498972]
 Sample 5312: [-0.03835712 1.22852806 0.3915426 4.5154545 5.43571405
 -0.27358385
 4.29289282 -1.95077414 -3.74428298 -4.0085967 1.03054082 4.25673721
 3.96715235 -4.22317095 2.01883617 -3.47538358]
 Sample 5313: [-3.02147263e-04 1.32015076e+00 3.57222903e-01 4.45610779e+00
 5.38990267e+00 -1.95083718e-01 4.30732222e+00 -1.97240567e+00
 -3.76524942e+00 -3.98633153e+00 9.52416431e-01 4.24651606e+00
 4.02009548e+00 -4.14323562e+00 2.04253319e+00 -3.56829978e+00]
 Sample 5314: [-0.0076092 1.25681443 0.38529521 4.47495734 5.41900405
 -0.2430237
 4.34821648 -1.94062243 -3.82437982 -4.00842599 0.94709393 4.26155415
 4.18295854 -4.16365589 2.0100326 -3.55200458]
 Sample 5315: [0.08805922 1.26397439 0.35978661 4.41029394 5.5007124
 -0.21351346
 4.34383571 -1.92417522 -3.75568504 -4.068316 0.89499351 4.22309434
 4.22716383 -4.07123008 2.05780928 -3.54783325]
 Sample 5316: [0.08613727 1.19540605 0.36926937 4.43364811 5.54331731
 -0.23172717
 4.33694248 -1.91673019 -3.78635213 -4.05712847 0.77976173 4.1974671
 4.14808403 -4.16126808 2.0601127 -3.47240771]
 Sample 5317: [0.15452181 1.18964099 0.34849403 4.37095686 5.61418376
 -0.27936657
 4.27515112 -1.87174494 -3.77087382 -4.08831004 0.81638295 4.23880591
 4.11825048 -4.13470849 2.02650563 -3.40943118]
 Sample 5318: [0.17943363 1.21756413 0.3526211 4.44312464 5.70126289
 -0.37902735
 4.24783607 -1.86452468 -3.78194596 -4.03491431 0.81537891 4.1625639
 4.10285401 -4.1445441 2.00352722 -3.31849702]
 Sample 5319: [0.13618729 1.22444564 0.33507358 4.49816744 5.7251158
 -0.34296563
 4.26791554 -1.84718563 -3.7501935 -3.97118169 0.86158258 4.09116341
 4.06618046 -4.08883414 2.10539706 -3.29656727]
 Sample 5320: [0.09741181 1.179216 0.37153905 4.52200975 5.71458144
 -0.26750086
 4.24317609 -1.91692331 -3.69517564 -4.05159128 0.78693693 4.03942773
 4.21777796 -4.1210772 2.11915114 -3.30040383]
 Sample 5321: [0.08352614 1.23739989 0.34782711 4.48822186 5.72178741
 -0.29354205
 4.20469854 -1.85654694 -3.77555204 -4.15885836 0.77012125 4.07262786
 4.29516105 -4.11925185 2.19631081 -3.26725448]
 Sample 5322: [0.05662132 1.27312913 0.36892333 4.39218354 5.64574875
 -0.32519617
 4.31931125 -1.91333428 -3.7372747 -4.16482387 0.81975172 4.1073239
 4.25175685 -4.129255 2.20507225 -3.20817618]

Sample 5323: [0.02458361 1.31272489 0.35820112 4.30580614 5.69875941
 -0.3513032
 4.38273163 -1.84043052 -3.62437694 -4.17802602 0.75115691 4.1186422
 4.25568187 -4.20053724 2.3313911 -3.28751379]
 Sample 5324: [0.01814308 1.25492221 0.34077358 4.21731429 5.69432093
 -0.45740169
 4.24492211 -1.90382717 -3.57282805 -4.15364601 0.69310432 4.10785142
 4.28066926 -4.22010085 2.28813596 -3.26758592]
 Sample 5325: [0.05176455 1.17596243 0.38966045 4.35627888 5.7153763
 -0.48906918
 4.26448264 -1.88840842 -3.55579571 -4.15876336 0.62777778 4.07810711
 4.27749004 -4.16248113 2.2907539 -3.19214328]
 Sample 5326: [0.01151814 1.2482244 0.33053301 4.33365979 5.69937151
 -0.52601505
 4.23527123 -1.867844 -3.62024338 -4.17737377 0.67883788 4.21446951
 4.32299477 -4.13630441 2.25015647 -3.16985691]
 Sample 5327: [-0.04942101 1.23798687 0.37472636 4.36406019 5.67714865
 -0.51092262
 4.19982013 -1.86421361 -3.64939663 -4.19857762 0.66823324 4.19653206
 4.14537686 -4.06212803 2.26727441 -3.11033535]
 Sample 5328: [0.01126312 1.25282397 0.32436214 4.30019827 5.65728508
 -0.5633842
 4.22006694 -1.83014541 -3.65412963 -4.24236177 0.67217701 4.28822407
 4.07522848 -4.04249715 2.23577203 -3.08235816]
 Sample 5329: [-0.00672639 1.24863117 0.35914824 4.35985454 5.63664192
 -0.58975145
 4.31599737 -1.80317982 -3.65857842 -4.13781703 0.68168492 4.32568387
 4.10225968 -4.01759397 2.2247943 -3.08582734]
 Sample 5330: [-0.01728693 1.27926801 0.34990595 4.39318033 5.63868843
 -0.52927225
 4.25426277 -1.89187409 -3.63503276 -4.10682912 0.66715052 4.3419119
 4.01733507 -4.05398015 2.2477017 -3.08129065]
 Sample 5331: [-0.06513416 1.2498237 0.39452829 4.47233249 5.61848746
 -0.58891
 4.16767646 -2.02418052 -3.67365139 -4.11029026 0.69905321 4.35694716
 3.99163079 -4.06055175 2.29844602 -3.06722612]
 Sample 5332: [-0.04843255 1.22204278 0.39229005 4.46046769 5.61280212
 -0.54059069
 4.11977943 -2.08669488 -3.6258037 -4.10842802 0.60512816 4.37025524
 4.02611718 -4.13530314 2.3363867 -3.0343205]
 Sample 5333: [-0.00880133 1.24645057 0.41584526 4.42187609 5.57360011
 -0.59237726
 4.14820002 -2.13253885 -3.65230146 -4.07402097 0.66142986 4.43226417
 3.96276864 -4.15392718 2.27655794 -3.02844502]
 Sample 5334: [-0.03628339 1.19656139 0.4013947 4.4394516 5.61304422
 -0.52528494
 4.10313886 -2.11985237 -3.72423641 -4.03967992 0.55979202 4.51918473
 3.92789561 -4.11612605 2.37524283 -3.13969436]

Sample 5335: [0.03701514 1.1657969 0.41194109 4.38440827 5.59829764
 -0.54667071
 4.06521591 -2.09995601 -3.68207928 -3.98008253 0.62754866 4.53257364
 3.87867696 -4.15262605 2.28278825 -3.16381819]
 Sample 5336: [0.05881125 1.26804167 0.42159112 4.34316549 5.6077352
 -0.58856214
 4.14000936 -2.22793666 -3.68721979 -3.91102088 0.64561756 4.54846926
 3.86837973 -4.13765846 2.24446543 -3.16117074]
 Sample 5337: [0.05075477 1.2664232 0.45018581 4.34527347 5.571537
 -0.64284548
 4.26048445 -2.29170865 -3.59540823 -3.9118753 0.80540336 4.44252917
 3.79910668 -4.10213299 2.25373235 -3.14980147]
 Sample 5338: [0.07264659 1.21231163 0.43249149 4.298332 5.44628356
 -0.65861988
 4.33159698 -2.28736224 -3.61996887 -3.90877027 0.68445431 4.46841004
 3.72482542 -4.12401967 2.24455399 -3.08842756]
 Sample 5339: [0.13099501 1.24604482 0.44929132 4.23512213 5.44955995
 -0.63048609
 4.32186978 -2.28697901 -3.61547122 -3.99169717 0.61973253 4.58497683
 3.70707385 -4.05395498 2.12868269 -3.0901909]
 Sample 5340: [0.233595 1.21424175 0.44375406 4.25507361 5.48572351
 -0.60880217
 4.30363325 -2.3478686 -3.50650558 -4.02357341 0.53560373 4.57328093
 3.73195797 -4.07080691 2.11859043 -3.05149268]
 Sample 5341: [0.26665014 1.22622961 0.45910638 4.22464415 5.44668218
 -0.6254403
 4.29825993 -2.37127686 -3.43137052 -4.03452765 0.55147014 4.62815497
 3.68478278 -4.14598373 2.06962933 -3.15475175]
 Sample 5342: [0.30931335 1.23959739 0.43688666 4.2780786 5.50442462
 -0.6003617
 4.35936426 -2.32526444 -3.44115326 -4.0365882 0.52609431 4.63539422
 3.72258027 -4.10994816 2.03991566 -3.09880849]
 Sample 5343: [0.16536931 1.25950059 0.47777749 4.25056284 5.58915931
 -0.6050965
 4.31278617 -2.41120375 -3.33139589 -4.02150727 0.42872338 4.721584
 3.6678943 -4.20231024 2.10449754 -3.10728297]
 Sample 5344: [0.17956843 1.24254429 0.4550439 4.33128304 5.56798509
 -0.49454122
 4.35145599 -2.42395485 -3.26691473 -4.03637802 0.44184795 4.76535198
 3.68487716 -4.18132807 2.1175377 -3.05080329]
 Sample 5345: [0.13997446 1.24579901 0.47967423 4.30689813 5.59290073
 -0.54779322
 4.27903797 -2.40604936 -3.26567843 -3.98013928 0.49261373 4.79982241
 3.79370029 -4.12753605 2.17201367 -3.03097934]
 Sample 5346: [0.09705448 1.25081602 0.45332048 4.29689762 5.63030429
 -0.49037725
 4.25452941 -2.4347406 -3.21653837 -3.90273352 0.48272163 4.83806276
 3.86499033 -4.10122483 2.14050034 -2.99632495]

Sample 5347: [0.11589143 1.26684512 0.4724768 4.31557767 5.63282318
 -0.50775897
 4.30058549 -2.37391943 -3.21766923 -3.87551172 0.49834362 4.73809658
 3.91619614 -4.03809677 2.17702045 -2.88756311]
 Sample 5348: [0.12764092 1.22581229 0.43996586 4.3000971 5.66763378
 -0.54668079
 4.24212287 -2.37011744 -3.25137404 -3.87636117 0.43765306 4.80704569
 3.82717973 -4.04144333 2.19017329 -2.91156506]
 Sample 5349: [0.16994944 1.25858479 0.47695651 4.33532759 5.71648102
 -0.5536579
 4.1713954 -2.40348231 -3.25210011 -3.92253914 0.41731229 4.76270739
 3.78272511 -4.07408851 2.13169866 -2.84016746]
 Sample 5350: [0.14079687 1.20876541 0.45365395 4.38456248 5.76960844
 -0.56541378
 4.21148796 -2.43927968 -3.23554853 -3.94075215 0.46276473 4.74846461
 3.73582908 -4.01364603 2.20903772 -2.80034427]
 Sample 5351: [0.11936346 1.26117308 0.46734797 4.37914749 5.7846898
 -0.63309415
 4.17893636 -2.35673912 -3.19145499 -3.94694764 0.42044036 4.85798775
 3.74684786 -3.94640678 2.19737525 -2.87059401]
 Sample 5352: [0.14390635 1.1818741 0.43756721 4.42733108 5.75953482
 -0.71116409
 4.14399305 -2.34577346 -3.24374681 -3.92392598 0.49223977 4.86987065
 3.73079135 -3.88010552 2.21708336 -2.86240936]
 Sample 5353: [0.09919487 1.28710829 0.46117485 4.44744352 5.7328038
 -0.67807902
 4.13288297 -2.32955423 -3.19157063 -3.98244293 0.49153899 4.94057369
 3.76707805 -3.90348025 2.2545661 -2.88514289]
 Sample 5354: [0.1099053 1.26383308 0.43983844 4.47807221 5.7581923
 -0.67813989
 4.22916718 -2.34442104 -3.22090157 -3.94222561 0.4970595 4.91895274
 3.77279374 -3.90653291 2.32115044 -2.8258936]
 Sample 5355: [0.13434381 1.2836228 0.46743258 4.56245548 5.75039843
 -0.55817061
 4.24336705 -2.37256727 -3.31538064 -3.89462502 0.4131044 4.91120228
 3.79791968 -3.98838366 2.23696771 -2.85847929]
 Sample 5356: [0.12645584 1.33075665 0.46850864 4.65772212 5.79173497
 -0.50479585
 4.22734913 -2.4888624 -3.30243372 -3.90492855 0.39882583 4.98679863
 3.85519234 -4.0732689 2.2579195 -2.80608531]
 Sample 5357: [0.14898132 1.2849094 0.49122154 4.62329208 5.72471697
 -0.48583588
 4.30182247 -2.49808014 -3.32107058 -3.88501419 0.37120863 4.94356266
 3.79139141 -4.11050497 2.26573774 -2.88447663]
 Sample 5358: [0.18880702 1.23462328 0.4745953 4.65810553 5.76663515
 -0.46070588
 4.26503497 -2.50270936 -3.32547254 -3.91656206 0.31028171 4.94444571
 3.81466085 -4.09472302 2.23729043 -2.97584244]

Sample 5359: [0.19150157 1.2179139 0.50868666 4.60361358 5.76181256
 -0.43706416
 4.27033115 -2.58973754 -3.32099893 -3.92063827 0.39903183 4.93236903
 3.86513695 -4.18119241 2.24230584 -2.96149182]
 Sample 5360: [0.16830573 1.25616587 0.49197519 4.65212743 5.72534469
 -0.43629473
 4.26413518 -2.58403018 -3.38981019 -3.77033897 0.35470159 5.02517804
 3.95318607 -4.25119651 2.31726366 -3.0219801]
 Sample 5361: [0.14004885 1.23397339 0.48665758 4.57387536 5.76265954
 -0.37575569
 4.24287172 -2.50827471 -3.32406139 -3.75004853 0.33648562 5.04652838
 4.02144248 -4.27082873 2.34526217 -2.96553629]
 Sample 5362: [0.10601535 1.29680558 0.47226743 4.55442979 5.79111532
 -0.3790781
 4.30843686 -2.45623111 -3.37988374 -3.70750375 0.34557682 5.07685555
 3.99682348 -4.3658546 2.29625622 -2.94295162]
 Sample 5363: [0.12760664 1.27177004 0.48259633 4.5530769 5.77588713
 -0.51186837
 4.33104283 -2.48941528 -3.34597732 -3.7242727 0.27454526 5.05871191
 4.05044297 -4.38570175 2.21515211 -2.88084915]
 Sample 5364: [0.10890765 1.27386897 0.47635182 4.52233906 5.86111393
 -0.48077228
 4.36846318 -2.4891283 -3.35702003 -3.7600202 0.39933425 5.08835387
 4.07686827 -4.42880351 2.15620233 -2.8585821]
 Sample 5365: [0.13596668 1.30396201 0.47147136 4.4330946 5.88088611
 -0.53834604
 4.31514392 -2.44385473 -3.3344266 -3.68362866 0.43680042 5.16255582
 4.062909 -4.32865352 2.17119779 -2.83656177]
 Sample 5366: [0.13780288 1.24463283 0.45244269 4.51734339 5.87279253
 -0.47738657
 4.3128546 -2.37850003 -3.31689009 -3.73561684 0.47053241 5.07840472
 4.04527891 -4.36236792 2.10214133 -2.85341918]
 Sample 5367: [0.13126603 1.33340711 0.45657427 4.4994759 5.88587661
 -0.52365251
 4.29675256 -2.34678728 -3.34240645 -3.68930632 0.41839156 5.12122021
 4.0311472 -4.33146311 2.03464786 -2.82609714]
 Sample 5368: [0.04638294 1.30988462 0.43750835 4.47158006 5.81356167
 -0.56946938
 4.3059917 -2.32919562 -3.31730448 -3.61767679 0.44524851 5.06477714
 4.04805076 -4.34049063 2.0203919 -2.8180098]
 Sample 5369: [0.05412898 1.34576052 0.45105207 4.37656251 5.73296064
 -0.62605937
 4.29394265 -2.37157501 -3.32886248 -3.63342255 0.50854982 5.15693622
 4.17625851 -4.35239041 2.03600292 -2.72192976]
 Sample 5370: [0.04994575 1.30098325 0.473574 4.28969022 5.71619868
 -0.60711649
 4.33822966 -2.39588456 -3.35900899 -3.6955418 0.42934146 5.12674296
 4.19123872 -4.45310591 2.01652365 -2.8337774]

Sample 5371: [3.88902424e-03 1.28403601e+00 4.40411971e-01 4.30840268e+00
 5.65748663e+00 -5.25992637e-01 4.26524896e+00 -2.38312784e+00
 -3.42511202e+00 -3.67554598e+00 5.12947500e-01 5.08222182e+00
 4.13128193e+00 -4.44263246e+00 2.03721486e+00 -2.90803867e+00]
 Sample 5372: [-0.00975232 1.28364097 0.47611451 4.33704764 5.59200933
 -0.50456484
 4.25478215 -2.40252692 -3.45575929 -3.73277932 0.45468545 5.10903815
 4.0436745 -4.38625872 2.08876485 -2.90713759]
 Sample 5373: [-0.07611294 1.27997292 0.42499829 4.35272528 5.50948966
 -0.51901689
 4.23132553 -2.28984919 -3.44076081 -3.73330349 0.45035665 5.03027642
 4.06415531 -4.36259734 1.99279426 -2.79298755]
 Sample 5374: [-0.06153612 1.3239928 0.45009875 4.36603624 5.49090174
 -0.58674482
 4.22075394 -2.26887382 -3.40762 -3.68969757 0.38233348 4.96663792
 4.00624042 -4.33543054 1.97857944 -2.88637614]
 Sample 5375: [0.07804074 1.22865256 0.41824759 4.37236874 5.58541056
 -0.61376194
 4.26402314 -2.25566004 -3.43471691 -3.65465706 0.42622402 4.9636187
 4.01790395 -4.4061169 1.99460401 -2.86430578]
 Sample 5376: [0.06505405 1.29983486 0.44474859 4.36551304 5.59588934
 -0.57429104
 4.29530038 -2.25073042 -3.41768473 -3.72397629 0.36278237 4.92613716
 4.00658498 -4.50627326 2.02013712 -2.90962763]
 Sample 5377: [0.07725072 1.2179847 0.41007755 4.30493417 5.5828423
 -0.63395268
 4.17223755 -2.19322834 -3.35938698 -3.73729865 0.38554119 4.96115272
 3.97615893 -4.44437024 1.95313757 -2.97270618]
 Sample 5378: [0.20032344 1.2420482 0.43818971 4.30580599 5.53383596
 -0.64542779
 4.15204195 -2.22740819 -3.42847208 -3.72620166 0.37383306 4.93656927
 4.00802737 -4.4617117 1.92202345 -2.94238134]
 Sample 5379: [0.17811306 1.21434569 0.40961676 4.32507483 5.56703485
 -0.57654592
 4.12975183 -2.20820686 -3.42954779 -3.81345165 0.38571159 4.93809137
 4.06372216 -4.44550968 1.91995656 -3.0015258]
 Sample 5380: [0.21845227 1.2065283 0.44200749 4.34000656 5.4908893
 -0.5604566
 4.18631219 -2.2510172 -3.44252915 -3.75710932 0.33829959 4.9100388
 4.06969278 -4.42206243 1.94388724 -2.89617517]
 Sample 5381: [0.12184497 1.26005564 0.42227913 4.37798373 5.52911645
 -0.45381962
 4.21115169 -2.29477473 -3.47182403 -3.73358403 0.38231907 4.91459903
 4.16554048 -4.40315753 1.93610049 -2.8994618]
 Sample 5382: [0.12172069 1.21947805 0.44928545 4.48520701 5.58240883
 -0.4985074
 4.17672205 -2.25073634 -3.48351759 -3.72689456 0.34063364 4.99557252
 4.14836077 -4.33592003 1.98331104 -2.8972968]

Sample 5383: [0.11385315 1.23589947 0.4044174 4.48361783 5.67170668
 -0.49378014
 4.16081686 -2.25020173 -3.44539848 -3.6699672 0.33187806 4.93732556
 4.21450114 -4.3050758 1.91472864 -2.8760318]
 Sample 5384: [0.13966793 1.25750571 0.44649561 4.51697306 5.66437266
 -0.44373715
 4.16808824 -2.1871295 -3.39167062 -3.70759032 0.33328715 4.87734559
 4.15790339 -4.25984749 1.88910567 -2.89166175]
 Sample 5385: [0.2168039 1.20108491 0.40172963 4.47846167 5.6424089
 -0.50490492
 4.18041201 -2.25481183 -3.43329855 -3.61205106 0.31662669 4.84989687
 4.1977307 -4.25252834 1.84169832 -2.87309923]
 Sample 5386: [0.22705045 1.25027401 0.45293262 4.42580666 5.628966
 -0.45982587
 4.10061427 -2.23106153 -3.49006749 -3.67758649 0.24659681 4.86485294
 4.20772458 -4.28197721 1.85063943 -2.90563439]
 Sample 5387: [0.17147185 1.22497915 0.40278936 4.44549325 5.68865592
 -0.43182675
 4.15844964 -2.26179176 -3.54156183 -3.70234082 0.34026594 4.88136936
 4.2193579 -4.30894338 1.95052848 -2.93668174]
 Sample 5388: [0.21911868 1.23862743 0.45253617 4.4533214 5.66511827
 -0.4129054
 4.08175799 -2.22383042 -3.45279297 -3.64621348 0.40124809 4.88689194
 4.18768925 -4.27210606 1.93819846 -2.83441295]
 Sample 5389: [0.21761375 1.20846756 0.37766129 4.41641182 5.62814289
 -0.35275402
 4.12753663 -2.19706532 -3.55754381 -3.65308731 0.45009266 4.91560546
 4.23388604 -4.17372717 1.88927972 -2.77336785]
 Sample 5390: [0.14670597 1.22158975 0.42424712 4.48363536 5.70767729
 -0.31530455
 4.1244109 -2.07032799 -3.56326585 -3.65498578 0.36619499 4.87998857
 4.2427319 -4.14799579 1.88346295 -2.8163106]
 Sample 5391: [0.11856107 1.25521933 0.34694494 4.4648905 5.65193539
 -0.36872794
 4.18753348 -2.05170007 -3.52817871 -3.65452617 0.34318739 4.86071262
 4.22428719 -4.18124451 1.87128813 -2.84056434]
 Sample 5392: [0.13375723 1.27206092 0.41972864 4.45393403 5.67921478
 -0.41700298
 4.132038 -2.05806011 -3.6498715 -3.60079782 0.37695144 4.88157145
 4.16243535 -4.11640277 1.84372489 -2.92796599]
 Sample 5393: [0.06633416 1.21867379 0.35568306 4.47079343 5.69697373
 -0.38748103
 4.14269113 -1.99234444 -3.76836695 -3.63705065 0.34944076 5.0103042
 4.22617009 -4.17318902 1.83904494 -3.01375277]
 Sample 5394: [0.1114752 1.28291982 0.39224507 4.50509092 5.69172773
 -0.40257099
 4.17722555 -2.01262425 -3.74522614 -3.70919937 0.361105 4.97760415
 4.15589344 -4.19689808 1.7345276 -2.99302817]

Sample 5395: [0.05705186 1.24899661 0.37466549 4.54665571 5.70508708
 -0.39451803
 4.08802617 -2.01861615 -3.74084274 -3.76511914 0.35401003 4.98233417
 4.1086045 -4.09335672 1.75532967 -2.94794681]
 Sample 5396: [0.01338866 1.23386927 0.39996089 4.43169595 5.74037638
 -0.30321847
 4.08377249 -2.01980106 -3.70101713 -3.76549918 0.27088131 4.97063803
 4.01270412 -3.99778404 1.70247554 -2.96436028]
 Sample 5397: [0.04362022 1.23205268 0.3745048 4.42197122 5.80569537
 -0.29847953
 4.14122463 -2.03388097 -3.74726365 -3.76449381 0.33068423 5.01913762
 4.04434141 -3.9339645 1.67203306 -2.99582749]
 Sample 5398: [0.06914128 1.2964162 0.4023743 4.55331667 5.77710059
 -0.28494696
 4.17476634 -2.02727959 -3.77741249 -3.80463734 0.27436859 5.07288963
 4.04734175 -3.94178953 1.59259103 -2.95638799]
 Sample 5399: [0.05630523 1.17028448 0.35524716 4.55572367 5.74406102
 -0.33626783
 4.09606511 -1.9806253 -3.80720501 -3.82841542 0.30217248 5.13682253
 4.088382 -3.87355579 1.61081079 -2.93780006]
 Sample 5400: [0.11225659 1.25037652 0.39612323 4.56257441 5.71174085
 -0.28585811
 3.97391699 -1.97563606 -3.82401779 -3.87575219 0.33964541 5.23472889
 4.00458761 -4.02949297 1.56220891 -3.01901982]
 Sample 5401: [0.05181125 1.17964958 0.35776072 4.50991597 5.64462882
 -0.3354552
 3.96972113 -2.0073807 -3.85636514 -3.88358146 0.36106979 5.3343154
 3.98687122 -3.99832667 1.55920766 -2.91958547]
 Sample 5402: [0.13157515 1.20308936 0.41843675 4.4638228 5.6478879
 -0.3422242
 3.93520793 -2.06475049 -3.92107338 -3.81473621 0.33664387 5.29797345
 3.92879368 -4.02340027 1.57460626 -2.96227317]
 Sample 5403: [0.10243601 1.15935413 0.37039311 4.47020172 5.73159654
 -0.33568632
 3.93189616 -2.06919571 -3.94150271 -3.75738895 0.41943967 5.39548196
 4.04481106 -4.05769471 1.53861117 -2.88436939]
 Sample 5404: [0.0778801 1.27411999 0.39958726 4.46188478 5.7897636
 -0.29448447
 3.90641133 -1.97061153 -3.88559651 -3.82909248 0.34974762 5.31358014
 3.98426673 -4.13146789 1.58456558 -2.92734335]
 Sample 5405: [0.12094467 1.20949515 0.36168866 4.42568238 5.84355576
 -0.34939122
 4.01800585 -2.04502268 -3.92650459 -3.90397058 0.3037707 5.27268987
 4.00975339 -4.08322186 1.5796612 -2.90427559]
 Sample 5406: [0.14929696 1.17488627 0.4124488 4.40663314 5.86154384
 -0.37596795
 3.97617106 -2.01123026 -3.91697633 -3.86813354 0.16966773 5.31929669
 3.97423641 -4.12556849 1.61597881 -2.94239339]

Sample 5407: [0.12961317 1.17533442 0.3510029 4.39818123 5.85987369
 -0.41961208
 3.90148368 -1.98711918 -3.95740013 -3.81110256 0.20478546 5.27440931
 3.98683637 -4.04506849 1.653889 -2.91918801]
 Sample 5408: [0.13474729 1.16739531 0.40538075 4.40576949 5.83757112
 -0.45868253
 3.87210468 -1.96826427 -3.90473669 -3.82738252 0.29083739 5.3261483
 4.0204862 -4.03119798 1.65164924 -2.91648046]
 Sample 5409: [0.12826658 1.18019462 0.32671985 4.46345267 5.85944854
 -0.41946556
 3.8364132 -1.92080644 -3.89046726 -3.80657002 0.30521366 5.33308103
 4.03170749 -4.04500369 1.60041457 -2.82594951]
 Sample 5410: [0.16214409 1.2075665 0.3835421 4.55508676 5.81080968
 -0.46203001
 3.83089748 -1.89103315 -3.89562515 -3.86518676 0.33529439 5.34065522
 3.96513871 -4.05221696 1.52142203 -2.85527517]
 Sample 5411: [0.15966604 1.15478434 0.34535601 4.51104076 5.81005758
 -0.49011019
 3.78479429 -1.93180975 -3.9038013 -3.89267286 0.3542568 5.35161876
 4.06177627 -4.03812472 1.43425064 -2.81328461]
 Sample 5412: [0.1900045 1.15103746 0.40645639 4.42352314 5.81965763
 -0.43766649
 3.80510597 -2.02377468 -3.91112243 -3.97041465 0.30314712 5.45560541
 4.13059107 -4.06868858 1.46000736 -2.84193866]
 Sample 5413: [0.15679391 1.20488689 0.34287831 4.45311193 5.78732164
 -0.33813682
 3.87806779 -1.98996351 -4.00051566 -3.99197208 0.31788769 5.38567808
 4.20750092 -4.04359683 1.42204504 -2.87012581]
 Sample 5414: [0.1386784 1.23246166 0.38555933 4.4225953 5.86560976
 -0.30631479
 3.88307561 -1.92975955 -4.03037346 -4.00448005 0.32568637 5.39001837
 4.21398466 -4.03067193 1.38192269 -2.90217585]
 Sample 5415: [0.07284577 1.14897748 0.34290805 4.37106659 5.83226628
 -0.2414026
 3.89273691 -1.90879686 -3.95115525 -4.01701079 0.31045941 5.35223371
 4.1750869 -3.91369297 1.39040871 -2.90582254]
 Sample 5416: [0.09326168 1.24847652 0.36763556 4.38620391 5.79256985
 -0.30940461
 3.85655731 -1.97946331 -3.94147057 -4.11831025 0.42385271 5.30728566
 4.19549889 -3.90180157 1.43331726 -2.93606232]
 Sample 5417: [0.16686447 1.19263295 0.3716159 4.51351344 5.84956684
 -0.35402431
 3.83035717 -1.95978719 -3.95880901 -3.97656903 0.52219284 5.26756447
 4.27284079 -3.90937974 1.48116214 -2.95020109]
 Sample 5418: [0.22616297 1.14256757 0.37578403 4.48515741 5.79636347
 -0.35875032
 3.83056292 -1.99019625 -3.89883539 -3.92969283 0.5250829 5.30713552
 4.27468414 -3.9339704 1.53802931 -2.85564049]

Sample 5419: [0.26126932 1.13112624 0.36584772 4.51531934 5.87948974
 -0.30154319
 3.76779275 -1.99923958 -3.93550563 -3.88356795 0.5606229 5.35599188
 4.23159907 -3.94500668 1.52580256 -2.85372994]
 Sample 5420: [0.2585668 1.23195418 0.3928181 4.56204204 5.88181924
 -0.25822851
 3.73589481 -2.0512152 -3.93683335 -3.79985058 0.51789293 5.40191588
 4.22054372 -3.85070345 1.53293825 -2.93394409]
 Sample 5421: [0.26788183 1.152754 0.39410745 4.55909728 5.90292205
 -0.24126539
 3.84256472 -2.09785542 -3.96930783 -3.85685255 0.54159972 5.45756436
 4.26099091 -3.90313321 1.49710875 -2.90376892]
 Sample 5422: [0.33709192 1.15303867 0.39362499 4.55520323 5.83020968
 -0.26482816
 3.81023685 -2.04246052 -3.93697751 -3.84339595 0.54184879 5.44619713
 4.31315222 -3.97902692 1.50521212 -2.77385561]
 Sample 5423: [0.29102343 1.17698823 0.37664935 4.59299422 5.86010821
 -0.3170516
 3.76101219 -2.06225027 -3.97886147 -3.80653631 0.6514523 5.56983611
 4.26413753 -4.12095435 1.441021 -2.76952591]
 Sample 5424: [0.36477237 1.13692214 0.38536886 4.53534993 5.78919614
 -0.32670421
 3.72735923 -2.01318883 -4.06432823 -3.82061255 0.6809639 5.54991536
 4.23150858 -4.01679091 1.47405146 -2.67313091]
 Sample 5425: [0.40750119 1.18385766 0.36567541 4.6372923 5.76988564
 -0.26604858
 3.70617208 -2.01623448 -4.12115153 -3.79428518 0.66258971 5.58126567
 4.23773361 -4.01984679 1.49116138 -2.68249421]
 Sample 5426: [0.54348154 1.11866112 0.37978026 4.62771039 5.75574685
 -0.36632424
 3.7134281 -1.89647946 -4.07660793 -3.8674389 0.69650106 5.65440861
 4.24523548 -4.03102429 1.4386847 -2.70432867]
 Sample 5427: [0.63719656 1.18243904 0.33674966 4.68529376 5.68986492
 -0.3534554
 3.71433731 -1.92652706 -3.9901951 -3.9100525 0.71358498 5.68408419
 4.24003135 -4.00928818 1.49753831 -2.7176075]
 Sample 5428: [0.73028759 1.12038779 0.38915153 4.75741433 5.70034396
 -0.37331758
 3.69138497 -1.8866166 -4.01238859 -3.86995687 0.76631421 5.64047199
 4.30887402 -3.99520484 1.5071918 -2.73298379]
 Sample 5429: [0.72031619 1.17894106 0.32522308 4.7989178 5.64119748
 -0.397052
 3.73803354 -1.88525262 -3.95344803 -3.84512125 0.74689824 5.65371559
 4.37552021 -3.94892082 1.48553305 -2.74325874]
 Sample 5430: [0.67107869 1.18110767 0.39465165 4.84546249 5.64753193
 -0.43445278
 3.67149749 -1.87982578 -3.95987296 -3.9454179 0.72949376 5.58730484
 4.35721505 -3.92852539 1.45974185 -2.80020591]

Sample 5431: [0.64142652 1.22585748 0.32733442 4.84153518 5.64027434
 -0.433668
 3.69797704 -1.96388281 -3.99908845 -3.99096057 0.70854296 5.56918655
 4.26835872 -3.94757271 1.43835053 -2.74353763]
 Sample 5432: [0.66849655 1.08494075 0.41724545 4.77521637 5.61088138
 -0.43245476
 3.63603033 -1.94449198 -4.06902608 -3.96445501 0.62524382 5.59472857
 4.24579053 -3.92175428 1.47461679 -2.67868962]
 Sample 5433: [0.67731852 1.15434954 0.31428375 4.85194598 5.73304578
 -0.34153758
 3.61071388 -1.90685406 -4.01881729 -3.95498886 0.58672754 5.6206119
 4.28332664 -3.95542687 1.46689313 -2.70410349]
 Sample 5434: [0.73220275 1.09218401 0.41273091 4.90297318 5.75115848
 -0.34831647
 3.56548644 -1.92090591 -4.01624312 -3.97032453 0.54326294 5.54734629
 4.2693796 -3.96952424 1.42781831 -2.69865283]
 Sample 5435: [0.7921904 1.12086757 0.33144472 4.90427777 5.74626358
 -0.34181425
 3.54142685 -1.96555677 -4.04289834 -3.91492126 0.49803545 5.42668052
 4.31761743 -4.03207953 1.4330714 -2.71760164]
 Sample 5436: [0.81283464 1.19400309 0.42244647 4.94505866 5.68505636
 -0.2768937
 3.68372801 -1.98428421 -3.99745312 -3.94702866 0.52768017 5.45707205
 4.27074248 -4.09367515 1.4064043 -2.6382337]
 Sample 5437: [0.79959569 1.11920447 0.31284839 4.95946353 5.75746287
 -0.28000318
 3.66818498 -1.94882901 -4.01993086 -3.9661682 0.59196383 5.49056467
 4.2788748 -4.09506957 1.45211971 -2.6108683]
 Sample 5438: [0.77827708 1.17472541 0.41683993 4.92657919 5.72248098
 -0.22633705
 3.70469497 -1.97161239 -4.04496863 -3.93602922 0.61694197 5.40478224
 4.34115554 -4.06956043 1.40698612 -2.62600393]
 Sample 5439: [0.80883276 1.18077941 0.3284727 4.95288288 5.80216806
 -0.21782642
 3.78879272 -1.98736775 -3.95166908 -3.86450224 0.61572007 5.36566876
 4.34584306 -4.08881054 1.45545311 -2.55418879]
 Sample 5440: [0.76270199 1.11111794 0.38946949 4.96643643 5.80668719
 -0.22132845
 3.75496104 -1.96573081 -3.92769921 -3.81911548 0.48079139 5.43790379
 4.34191475 -4.14124168 1.47511907 -2.61848599]
 Sample 5441: [0.69871252 1.21053257 0.35978743 4.99379239 5.71892492
 -0.35687071
 3.77659852 -2.0237151 -4.03159009 -3.78935692 0.4459523 5.48491956
 4.29090093 -4.0656183 1.52822195 -2.63694908]
 Sample 5442: [0.7625487 1.18591483 0.39270012 4.95386194 5.65720546
 -0.41244828
 3.73937915 -1.97142765 -4.04301261 -3.76407097 0.4271 5.44556066
 4.28265748 -4.09529608 1.5651165 -2.54138751]

Sample 5443: [0.79452459 1.17957163 0.35300326 4.95481372 5.65136523
 -0.44472827
 3.73432131 -1.94179419 -4.04771027 -3.68009923 0.50668503 5.41607134
 4.32698853 -4.16684362 1.53582478 -2.53900518]
 Sample 5444: [0.76994185 1.18095518 0.35553457 4.89327032 5.6834357
 -0.4160486
 3.71499304 -1.97107778 -4.05442408 -3.76480188 0.5105745 5.35596929
 4.30196954 -4.19812648 1.53291061 -2.53639474]
 Sample 5445: [0.72691228 1.11916662 0.35018608 4.87432862 5.6268786
 -0.4103775
 3.68065996 -1.97823887 -4.01348671 -3.77284185 0.45637829 5.32514993
 4.35205261 -4.17781289 1.57603293 -2.46195223]
 Sample 5446: [0.6691848 1.14968072 0.38048595 4.86452755 5.58485076
 -0.43171602
 3.60903807 -1.98311102 -4.04200903 -3.76294648 0.39231286 5.27376157
 4.32126132 -4.2579512 1.54566909 -2.58786337]
 Sample 5447: [0.6126494 1.12541931 0.38617219 4.9029575 5.56069289
 -0.47655637
 3.6650861 -2.00107741 -4.04031574 -3.77603134 0.32267238 5.20108549
 4.33024295 -4.18774631 1.52269114 -2.63488407]
 Sample 5448: [0.6636887 1.19763101 0.35446135 4.92616741 5.62512912
 -0.39072206
 3.816876 -1.99412488 -4.00157956 -3.80460457 0.3970096 5.27552769
 4.33899547 -4.23513422 1.45670503 -2.63006126]
 Sample 5449: [0.66284225 1.15158701 0.39878552 4.92631062 5.61589574
 -0.40060213
 3.7457056 -1.97324697 -3.9635995 -3.81697085 0.42818982 5.29084272
 4.32341239 -4.1963671 1.45206882 -2.58186893]
 Sample 5450: [0.68237954 1.15330156 0.33680803 4.94198781 5.6055086
 -0.38252724
 3.78979415 -1.9352573 -3.92643735 -3.82811899 0.48063147 5.3105282
 4.37195395 -4.22191437 1.39466877 -2.57711856]
 Sample 5451: [0.62141893 1.14447552 0.36835323 4.95327973 5.57679767
 -0.41903034
 3.70786689 -1.91645321 -3.89186507 -3.82332935 0.43409309 5.27552691
 4.2200363 -4.15943326 1.43364967 -2.59489964]
 Sample 5452: [0.62372967 1.15209091 0.36530684 4.95899278 5.57114873
 -0.43405896
 3.68468399 -1.92817817 -3.85476993 -3.83367617 0.51636093 5.34339333
 4.1770227 -4.18224513 1.40145057 -2.60874684]
 Sample 5453: [0.70203346 1.12086101 0.3486243 4.97068782 5.5645696
 -0.35968379
 3.58332059 -1.89463662 -3.82895528 -3.81239251 0.47795336 5.30035456
 4.07460543 -4.16913273 1.3704949 -2.6431668]
 Sample 5454: [0.59895947 1.1012337 0.39126405 4.91691434 5.4985276
 -0.33847746
 3.55966216 -1.97100823 -3.86570037 -3.83542946 0.54553431 5.18703072
 4.09914909 -4.18564025 1.40920575 -2.58192487]

Sample 5455: [0.56135957 1.10294709 0.35756267 4.91222972 5.41730443
 -0.27556172
 3.56757602 -1.9092912 -3.83491597 -3.83549439 0.43727086 5.28310479
 4.02985157 -4.10604549 1.41164206 -2.55925096]
 Sample 5456: [0.49899043 1.11219279 0.36447062 4.89559728 5.49901763
 -0.18808394
 3.58589692 -1.8944642 -3.86364741 -3.81059559 0.43632391 5.31706499
 4.02758315 -4.10950514 1.4034569 -2.57751829]
 Sample 5457: [0.4378153 1.12929273 0.31824252 5.04007132 5.5203976
 -0.20981913
 3.51311944 -1.81828611 -3.85060583 -3.76229023 0.4099571 5.25077546
 4.04179488 -4.17710416 1.41221205 -2.47285718]
 Sample 5458: [0.42706538 1.1113453 0.33286199 5.01626259 5.45324297
 -0.15143323
 3.4570935 -1.70406676 -3.86957875 -3.8125756 0.34529468 5.27755006
 4.10368682 -4.17538942 1.43366872 -2.49628758]
 Sample 5459: [0.43970274 1.08879386 0.30030455 5.06017975 5.51435129
 -0.15624456
 3.56989421 -1.6897387 -3.85864726 -3.89872178 0.30096078 5.29928252
 4.06096817 -4.25848291 1.50953175 -2.53671976]
 Sample 5460: [0.40386112 1.13050404 0.31647184 5.1288137 5.58238142
 -0.14315185
 3.5586203 -1.6353549 -3.83469827 -3.90605393 0.33665634 5.24361851
 4.06214158 -4.22607592 1.53834353 -2.55128544]
 Sample 5461: [0.36954983 1.09833805 0.28316804 5.09670393 5.57913915
 -0.20612636
 3.57963332 -1.72085748 -3.88712797 -3.85198352 0.33766928 5.32152266
 4.05510105 -4.22588372 1.64163094 -2.5080075]
 Sample 5462: [0.34232981 1.17049951 0.35428261 5.15346772 5.52856823
 -0.18850424
 3.71753573 -1.71457105 -3.8539516 -3.88061615 0.41054938 5.37252737
 4.03851323 -4.28768211 1.66265503 -2.56307276]
 Sample 5463: [0.28150549 1.14053367 0.29520337 5.1815509 5.46470135
 -0.16867966
 3.66674562 -1.70757807 -3.75882424 -3.82442885 0.33900742 5.38989721
 4.15075103 -4.30120278 1.70681294 -2.52477913]
 Sample 5464: [0.29255432 1.16739703 0.28672602 5.20203417 5.5130229
 -0.24493915
 3.73273026 -1.70460496 -3.7334112 -3.74807963 0.24339474 5.26475495
 4.20320696 -4.31509918 1.70425353 -2.46305572]
 Sample 5465: [0.3354573 1.15353124 0.30846794 5.17098802 5.4607942
 -0.18418802
 3.7460873 -1.72939963 -3.7068976 -3.81964747 0.26190275 5.23546803
 4.19098169 -4.36718259 1.72622869 -2.50317799]
 Sample 5466: [0.28956228 1.15573217 0.31011239 5.04331098 5.47823487
 -0.21846344
 3.82402321 -1.66974506 -3.69260346 -3.83587545 0.20248737 5.19798078
 4.06503173 -4.34728196 1.59540799 -2.59150548]

Sample 5467: [0.21335693 1.18428131 0.30087832 5.01765016 5.43966128
 -0.23661375
 3.72165541 -1.6539983 -3.68337222 -3.84181234 0.25199977 5.14892177
 4.10160085 -4.3919176 1.62188891 -2.4539449]
 Sample 5468: [0.2558654 1.12790256 0.29014827 4.95455888 5.47449904
 -0.21107225
 3.68980434 -1.71807314 -3.69125969 -3.90030265 0.28500619 5.12099309
 4.04955143 -4.36634864 1.67676225 -2.46259658]
 Sample 5469: [0.30645014 1.18317999 0.2998318 4.88005909 5.40733124
 -0.17293043
 3.77316878 -1.64856186 -3.60352256 -3.85011506 0.3029725 5.13294432
 4.07102465 -4.30755174 1.67026369 -2.5587747]
 Sample 5470: [0.25728861 1.13149258 0.29427072 4.85086809 5.47650973
 -0.04340919
 3.77566047 -1.70805345 -3.6231811 -3.92139893 0.22480941 5.11319318
 4.08273103 -4.27826316 1.62135497 -2.52976952]
 Sample 5471: [0.15622936 1.26002227 0.33210272 4.84548813 5.46497018
 -0.04315394
 3.85162416 -1.7257468 -3.59598271 -3.92754143 0.28005503 5.10024783
 4.07801889 -4.33547549 1.55640923 -2.53782642]
 Sample 5472: [0.18050052 1.19830089 0.31705624 4.84352316 5.52261799
 -0.09664873
 3.8906865 -1.67484534 -3.59161654 -3.90055063 0.2411197 5.09314133
 3.94639777 -4.35402679 1.5378536 -2.53806105]
 Sample 5473: [0.18363003 1.2011352 0.31127987 4.86250428 5.51716874
 -0.10098673
 3.77296884 -1.71688946 -3.53740194 -3.96500659 0.29149606 5.10410397
 3.99408976 -4.27468188 1.5933536 -2.52943554]
 Sample 5474: [0.19632369 1.24038559 0.35788211 4.82647268 5.50080369
 -0.13129204
 3.74485891 -1.69980478 -3.49788562 -3.96496617 0.21124867 5.10764949
 3.98693804 -4.29936175 1.55312811 -2.5232096]
 Sample 5475: [0.23492057 1.14455727 0.31362437 4.84744214 5.61805484
 -0.13195059
 3.72735304 -1.76732076 -3.46416415 -3.92490377 0.20027619 5.05862456
 4.0242614 -4.27231986 1.55573419 -2.55461117]
 Sample 5476: [0.23188904 1.14190381 0.31238879 4.90404187 5.60633473
 -0.09098754
 3.72371926 -1.67437126 -3.49966339 -4.01589747 0.185171 5.04597357
 3.93473091 -4.30011121 1.46740663 -2.60536416]
 Sample 5477: [0.17775291 1.15734189 0.30154473 4.90936593 5.60296375
 -0.06877939
 3.68485143 -1.65488298 -3.52097746 -3.93310298 0.16933056 5.0270263
 3.9464938 -4.35919227 1.51708848 -2.66641423]
 Sample 5478: [0.12678429 1.12851167 0.34383081 4.96939925 5.66368407
 -0.10496615
 3.68018544 -1.76643109 -3.52869035 -3.86489767 0.21344152 4.98859253
 3.92675292 -4.32995438 1.54565504 -2.60274527]

Sample 5479: [0.16893649 1.14020285 0.3398076 4.9069204 5.67595082
 -0.12798036
 3.67200684 -1.77856488 -3.47897834 -3.8675796 0.1861332 4.93026799
 3.9648268 -4.3361058 1.47523409 -2.59336786]
 Sample 5480: [0.16439851 1.1825294 0.33767513 4.95374132 5.71367512
 -0.04005971
 3.6804946 -1.87282299 -3.52284958 -3.79951536 0.191325 4.99199835
 4.0429515 -4.26253659 1.40459676 -2.61134427]
 Sample 5481: [0.07542362 1.13579876 0.34557745 4.90194297 5.72657047
 -0.08601535
 3.62941509 -1.88602485 -3.54929679 -3.79509486 0.17281222 5.01329831
 4.10595564 -4.25072525 1.36233908 -2.56835589]
 Sample 5482: [0.02782403 1.15892572 0.38943388 4.90943352 5.77412886
 -0.07910881
 3.65189289 -1.91487661 -3.567291 -3.82990481 0.16475542 4.9853479
 4.09226191 -4.15659623 1.38320709 -2.56574057]
 Sample 5483: [0.08355255 1.11281221 0.33136747 4.98901435 5.76677177
 -0.05732165
 3.65769154 -1.89085979 -3.53451852 -3.8640664 0.07682202 4.93113799
 4.09021066 -4.20157295 1.46242276 -2.56333926]
 Sample 5484: [0.14088794 1.12148481 0.36814579 4.96740297 5.77291641
 0.01955966
 3.62719231 -1.95328981 -3.58227246 -3.8764043 0.14116426 4.96278567
 4.14381924 -4.18877101 1.42664578 -2.54506308]
 Sample 5485: [0.22379458 1.12850429 0.35325553 4.94916442 5.65731565
 0.01094295
 3.60294256 -1.93216907 -3.62058992 -3.90780043 0.04112269 4.97765134
 4.14526294 -4.14264226 1.39294102 -2.55515127]
 Sample 5486: [2.03240986e-01 1.11446044e+00 3.77529390e-01 4.88188926e+00
 5.66358155e+00 6.68323830e-02 3.59821244e+00 -1.86253780e+00
 -3.60723840e+00 -3.85876558e+00 -4.44819734e-03 4.98867987e+00
 4.10534038e+00 -4.08011324e+00 1.43580728e+00 -2.50556787e+00]
 Sample 5487: [0.28126882 1.11024075 0.32234779 4.9166018 5.56883812
 0.10909159
 3.56603028 -1.92606385 -3.64247598 -3.94381035 0.0534814 4.96535844
 4.15327829 -4.05810391 1.40918188 -2.53600047]
 Sample 5488: [0.34797809 1.09457162 0.39757134 4.97789426 5.68655548
 0.09017475
 3.59798064 -1.92884933 -3.70564465 -3.83290662 0.07332378 4.9919266
 4.04104378 -4.01235207 1.5046514 -2.59521027]
 Sample 5489: [0.3971287 1.17932076 0.34299115 4.9576447 5.70114008
 0.11908765
 3.63388912 -1.92440276 -3.65546222 -3.84299807 0.15448983 4.98899713
 4.00590973 -3.89758863 1.50844882 -2.58384601]
 Sample 5490: [0.45312132 1.15176501 0.36819922 4.91683541 5.72319203
 0.18701017
 3.67311316 -1.87303247 -3.60472578 -3.80374846 0.14476699 4.92398759
 3.97382984 -3.91357988 1.54082513 -2.58965572]

Sample 5491: [0.47398853 1.15549529 0.33916061 4.78013755 5.83217537
 0.20714342
 3.69442707 -1.90852656 -3.5355157 -3.88616549 0.14647789 4.89240586
 4.01311003 -3.81016929 1.57441889 -2.58969048]
 Sample 5492: [0.39709341 1.11336655 0.38899978 4.7486991 5.80236028
 0.14501023
 3.67052182 -1.92828483 -3.55986188 -3.95612845 0.07663974 4.98713014
 3.97752033 -3.81104399 1.59393208 -2.58855352]
 Sample 5493: [0.40148032 1.12748683 0.33334727 4.77633313 5.86775981
 0.09992791
 3.68783115 -1.8916873 -3.5245621 -4.04664266 0.01884196 4.95688328
 4.02355283 -3.81888095 1.58240677 -2.61587702]
 Sample 5494: [0.29498091 1.16923627 0.36084396 4.70236849 5.9010648
 0.11787048
 3.63017 -1.83341502 -3.48311553 -4.14453488 -0.09792287 5.03496646
 3.94395462 -3.78228528 1.5540595 -2.54805585]
 Sample 5495: [0.29252938 1.11166075 0.33844184 4.67832814 5.94960978
 0.19558624
 3.59879121 -1.81790629 -3.55210148 -4.17058013 -0.11999082 5.02767881
 3.86745155 -3.78905883 1.54743905 -2.64458082]
 Sample 5496: [0.29210633 1.07418581 0.34311426 4.65697368 5.90377996
 0.15623427
 3.57991413 -1.75525475 -3.55348075 -4.15808232 -0.12024018 5.00319347
 3.90736346 -3.80586042 1.50345452 -2.65641023]
 Sample 5497: [0.24567046 1.09100273 0.33691299 4.57894747 5.87767213
 0.2118648
 3.58039573 -1.82346572 -3.54751769 -4.18562675 -0.02436655 4.97765021
 3.86438691 -3.8585767 1.50228318 -2.56051855]
 Sample 5498: [0.30923984 1.21914539 0.35636711 4.49258852 5.84068795
 0.26177815
 3.59953968 -1.86487078 -3.60082866 -4.11013929 0.01746928 4.97203551
 3.91550333 -3.8874162 1.43386124 -2.46955433]
 Sample 5499: [0.32925712 1.14669022 0.36203045 4.36523032 5.77559809
 0.24711914
 3.62877493 -1.85580243 -3.69928217 -4.11995198 -0.0274906 4.94813682
 3.9584002 -3.84056118 1.47673266 -2.41584891]
 Sample 5500: [0.30981527 1.1398048 0.34193442 4.37416461 5.73338086
 0.2574343
 3.55096272 -1.8548512 -3.71979298 -4.03992308 -0.01094234 4.95976142
 3.89582952 -3.82271832 1.41511793 -2.41342697]
 Sample 5501: [0.2689641 1.12523715 0.35516227 4.37497079 5.69103584
 0.35029096
 3.61987947 -1.82441919 -3.69078441 -4.03809113 0.07859605 4.90684025
 3.86861638 -3.80123942 1.42834977 -2.5206324]
 Sample 5502: [0.27511853 1.12462014 0.33802277 4.40372316 5.65496738
 0.41205915
 3.63645183 -1.79139568 -3.6259787 -4.05905308 0.14486221 4.96412633
 3.87110741 -3.87842766 1.43200118 -2.42645878]

Sample 5503: [0.21974951 1.15864496 0.32532866 4.38818014 5.62803658
0.45221543
3.60085143 -1.76364385 -3.69483776 -4.04698737 0.14304035 5.03500666
3.89772944 -3.88647022 1.48337069 -2.349337]

Sample 5504: [0.28882137 1.18553173 0.30587263 4.29502803 5.67616783
0.45765423
3.64016578 -1.75613447 -3.66381574 -4.08062791 0.13805576 5.18658799
3.81846972 -3.90217289 1.51237483 -2.37323735]

Sample 5505: [0.37869598 1.24747278 0.35217784 4.15546326 5.70368017
0.44358974
3.61689616 -1.77645123 -3.68036846 -4.0846192 0.17483394 5.16333775
3.84061573 -3.92270009 1.5508718 -2.27818566]

Sample 5506: [0.36175937 1.26286865 0.34461095 4.14384695 5.72983939
0.39358012
3.66639077 -1.8899245 -3.66669515 -4.07326177 0.17547055 5.1587018
3.87491998 -3.89276915 1.61061999 -2.30588917]

Sample 5507: [0.36902374 1.21323478 0.39744619 4.10932281 5.73045117
0.40046357
3.59394013 -1.916385 -3.73990636 -4.06372617 0.22934839 5.19234522
3.91664632 -3.8426638 1.6257066 -2.34448363]

Sample 5508: [0.34339924 1.12311963 0.34362466 4.16926851 5.67421199
0.35402293
3.52498005 -2.01192845 -3.7731492 -4.08564845 0.21239936 5.18486203
3.98242024 -3.80297862 1.65186711 -2.37095173]

Sample 5509: [0.26900811 1.14673145 0.36830504 4.27194133 5.56987833
0.37619924
3.58853028 -1.91448865 -3.7399077 -4.03304605 0.26091881 5.19430331
3.97145288 -3.77320196 1.55960368 -2.33007385]

Sample 5510: [0.22528437 1.14028894 0.33000991 4.28647247 5.59113535
0.39622544
3.57975713 -1.90671801 -3.68138493 -4.10027755 0.30674955 5.22775333
3.85133328 -3.81077263 1.54275679 -2.29127139]

Sample 5511: [0.22205025 1.13867931 0.4121714 4.29333505 5.61355675
0.37452848
3.57613437 -1.93689438 -3.65915527 -4.04604817 0.35546662 5.26753318
3.95424056 -3.77901994 1.56535555 -2.2131912]

Sample 5512: [0.28519288 1.1517655 0.31912724 4.26116504 5.55062288
0.40860309
3.53088083 -1.88580903 -3.68502919 -3.97631891 0.350343 5.22192941
3.90436633 -3.72949022 1.59369071 -2.20050968]

Sample 5513: [0.24813316 1.18930515 0.3924787 4.21494112 5.69549206
0.38334138
3.52296766 -1.84650662 -3.67332198 -4.01751726 0.30133897 5.20565817
3.8948987 -3.66530842 1.53350063 -2.16171243]

Sample 5514: [0.19657656 1.11678651 0.32619402 4.16396071 5.6907118
0.39618157
3.52297721 -1.87765581 -3.69788801 -4.01224234 0.32222764 5.22157108
3.94080763 -3.66856564 1.53565387 -2.33346091]

Sample 5515: [0.23427096 1.18116755 0.40234444 4.19602175 5.71396154
 0.43681111
 3.56090152 -1.92340068 -3.71681594 -3.97066702 0.28673563 5.15791656
 3.97042537 -3.6635076 1.55947212 -2.35274166]
 Sample 5516: [0.31277932 1.12346544 0.33273849 4.19484445 5.68834142
 0.36989373
 3.52343069 -1.91706131 -3.69292611 -4.00537193 0.26938551 5.18027923
 4.0588576 -3.68582809 1.4499652 -2.3852935]
 Sample 5517: [0.34903912 1.15448416 0.3822967 4.14459203 5.7430078
 0.3909642
 3.46091168 -1.93156254 -3.66429479 -4.06055189 0.31782401 5.19730222
 4.05750815 -3.72522106 1.44706203 -2.40669714]
 Sample 5518: [0.42086574 1.10360162 0.33065062 4.04006038 5.7894144
 0.43965578
 3.50274509 -1.85734052 -3.60434439 -4.03058192 0.33527302 5.17261926
 4.06067169 -3.75972406 1.45432565 -2.4250061]
 Sample 5519: [0.45130092 1.17522572 0.36037567 3.96144528 5.71933106
 0.46207417
 3.53025509 -1.94346906 -3.59435563 -4.04916529 0.33185946 5.27645962
 4.08520111 -3.75607033 1.54367918 -2.46965703]
 Sample 5520: [0.40468555 1.1175807 0.3579165 3.98257465 5.75436128
 0.48764048
 3.52796515 -1.94080338 -3.61086023 -4.02203534 0.29943875 5.29020956
 4.07602288 -3.71320287 1.61893087 -2.53865547]
 Sample 5521: [0.36598754 1.15971209 0.35060152 3.94224482 5.63547597
 0.51706281
 3.59424894 -1.93048514 -3.59853212 -4.00441755 0.24630677 5.31393427
 4.10321336 -3.70339044 1.64008461 -2.53091853]
 Sample 5522: [0.30389597 1.22776017 0.36331308 4.02481647 5.62661447
 0.52791228
 3.58530378 -1.93765201 -3.5110251 -4.00493252 0.29689016 5.3319279
 3.92991369 -3.7408516 1.71162411 -2.49566213]
 Sample 5523: [0.28979674 1.15527686 0.37148019 4.04091495 5.68421252
 0.40065707
 3.73164148 -1.93936783 -3.46991843 -4.0140947 0.31148804 5.36690775
 3.92433919 -3.81696596 1.74631207 -2.53225092]
 Sample 5524: [0.26922658 1.17701566 0.3567579 4.13880966 5.72799067
 0.40635033
 3.77265712 -1.92404136 -3.46190238 -4.046811 0.26168587 5.45319703
 4.00615609 -3.70800158 1.76531259 -2.60988178]
 Sample 5525: [0.27624963 1.17645908 0.37373978 4.13620927 5.70272171
 0.30010978
 3.78540922 -1.93863682 -3.45972675 -3.98160039 0.21261675 5.47849174
 3.99171914 -3.72362711 1.8112636 -2.66889096]
 Sample 5526: [0.2735238 1.19764552 0.3560562 4.11607826 5.70489189
 0.30699645
 3.83619613 -1.87372498 -3.44595209 -3.94516347 0.25852875 5.40956443
 4.05166726 -3.65254117 1.75629982 -2.65240158]

Sample 5527: [0.24665216 1.21019407 0.3657992 4.10389828 5.62891012
0.31554326
3.89823055 -1.89629787 -3.48282152 -3.92074399 0.2533754 5.4061949
4.10605353 -3.68057332 1.83662691 -2.67406564]

Sample 5528: [0.24532305 1.17127375 0.35308943 4.03420036 5.71819318
0.38523794
3.94390169 -1.90921994 -3.52663292 -3.90395263 0.17081218 5.46797007
4.03057106 -3.70638369 1.85482497 -2.68179655]

Sample 5529: [0.30672913 1.23771787 0.38691342 4.07600374 5.75367626
0.35189635
3.93029718 -1.97811538 -3.41878375 -3.91532612 0.13928836 5.45576371
4.03811309 -3.73252732 1.90692688 -2.63642271]

Sample 5530: [0.2881514 1.20116365 0.37417064 4.0679097 5.73383508
0.37456202
3.96815686 -2.01097113 -3.4288578 -3.96936363 0.24445326 5.5340156
4.04480686 -3.70985785 1.89365246 -2.56112432]

Sample 5531: [0.32505787 1.2424158 0.39148178 3.99927054 5.71752512
0.37961576
3.96447263 -2.02942362 -3.46780051 -4.01308022 0.31091221 5.50675054
4.0199716 -3.73644231 1.84795319 -2.56087823]

Sample 5532: [0.2760374 1.18703741 0.35004444 4.01137435 5.76681833
0.40254536
3.91817546 -1.93697217 -3.40560004 -4.03352571 0.29661264 5.49392193
4.09436442 -3.76008747 1.76875576 -2.54363494]

Sample 5533: [0.32019517 1.22462564 0.39263548 4.08765239 5.69247223
0.40445126
3.91650922 -1.9964071 -3.34246677 -3.90456194 0.35094157 5.50004012
4.14724428 -3.7646104 1.83296938 -2.6161465]

Sample 5534: [0.23251305 1.24852194 0.36810706 4.13264629 5.62084935
0.35830479
3.90818543 -2.00632448 -3.37218218 -4.01224022 0.32059686 5.45758063
4.191207 -3.70308296 1.84967044 -2.64780208]

Sample 5535: [0.23156113 1.22433627 0.41078515 4.21003799 5.64770119
0.36903109
3.90134655 -2.06490794 -3.32714197 -4.02777547 0.32690625 5.47238744
4.12469833 -3.70512764 1.84808432 -2.56754416]

Sample 5536: [0.2415103 1.18718557 0.37373128 4.25238754 5.64487152
0.32567279
3.92696418 -2.01281378 -3.36788713 -4.03881364 0.31986551 5.498021
4.096944 -3.6628765 1.83415994 -2.58414777]

Sample 5537: [0.20731853 1.21975429 0.368881 4.24217925 5.58663646
0.2035429
3.92106039 -1.95991603 -3.34563889 -4.10637709 0.28770793 5.5336778
4.16280908 -3.73705646 1.79503612 -2.60101266]

Sample 5538: [0.21772171 1.21562627 0.32850338 4.24699953 5.60571815
0.1168045
3.93711316 -1.89759404 -3.35887088 -4.10854921 0.38633014 5.53524282
4.18605606 -3.73112354 1.7966551 -2.52058469]

Sample 5539: [0.22379183 1.21870004 0.34054007 4.19682119 5.60291148
 0.09958816
 3.93872721 -1.88746451 -3.29834973 -4.14837846 0.41676314 5.52503698
 4.18282226 -3.77883283 1.74663297 -2.56193667]
 Sample 5540: [0.26813632 1.25148556 0.33567491 4.18024046 5.65264565
 0.16276615
 4.00928824 -1.86510525 -3.30185201 -4.22833782 0.41312752 5.53982816
 4.10854036 -3.86376216 1.77184441 -2.58651153]
 Sample 5541: [0.3089933 1.25561338 0.37215122 4.0982418 5.60538603
 0.18327593
 4.0739188 -1.83903486 -3.28981344 -4.29324264 0.39180137 5.48047062
 4.1454167 -3.80464683 1.76373915 -2.62133203]
 Sample 5542: [0.19700144 1.23085512 0.32286072 4.13672233 5.56971327
 0.1955485
 4.05793873 -1.86274822 -3.31248771 -4.26092112 0.43291678 5.47084549
 4.12397544 -3.83238342 1.79801539 -2.68544682]
 Sample 5543: [0.13517597 1.27705287 0.35957694 4.18142828 5.57817853
 0.2810865
 4.02175956 -1.83085474 -3.19730615 -4.34346607 0.48512142 5.49067888
 4.16460271 -3.83977168 1.72734632 -2.69273836]
 Sample 5544: [0.12381644 1.30013165 0.30132626 4.22840084 5.50772811
 0.28825963
 4.07101376 -1.81293631 -3.19605409 -4.33420935 0.52522516 5.54926294
 4.16248385 -3.80190573 1.70363942 -2.74665421]
 Sample 5545: [0.23293441 1.23916764 0.35959908 4.2165667 5.49818746
 0.35325121
 4.04337703 -1.83446083 -3.15807229 -4.25309924 0.54501336 5.52201504
 4.21217233 -3.84651309 1.79117369 -2.73032972]
 Sample 5546: [0.22602803 1.21413825 0.32525478 4.15451785 5.38888808
 0.337875
 3.99727448 -1.87454005 -3.04678954 -4.203253 0.53943881 5.57775935
 4.28573856 -3.72630325 1.71152256 -2.7777933]
 Sample 5547: [0.2544696 1.26146534 0.37163679 4.10104423 5.38540807
 0.29138092
 4.02294692 -1.9184904 -3.03386412 -4.11187498 0.42538549 5.6029797
 4.28603537 -3.71820346 1.7109429 -2.67029353]
 Sample 5548: [0.22615634 1.21586504 0.34586352 4.09513765 5.42749037
 0.25182918
 3.94052764 -1.91907484 -3.06562078 -4.09935943 0.37802289 5.52899416
 4.21638254 -3.77480635 1.78174144 -2.80274811]
 Sample 5549: [0.15784787 1.21327927 0.36845735 3.96388591 5.52830184
 0.23254387
 4.0083891 -1.85131006 -3.06974373 -4.21292349 0.46595681 5.63325421
 4.17110066 -3.75946085 1.8302179 -2.87231954]
 Sample 5550: [0.15480156 1.26403609 0.3369967 4.00889028 5.55388223
 0.21789532
 3.94582389 -1.86554647 -3.0636089 -4.22728505 0.51547201 5.58035362
 4.18884825 -3.70851184 1.79916524 -2.89728383]

Sample 5551: [0.19740799 1.27501777 0.38290135 3.98060276 5.51820066
 0.20152018
 4.01058189 -1.97186887 -2.93752871 -4.1911571 0.47412464 5.60044235
 4.20708945 -3.70881306 1.72755315 -2.8949902]
 Sample 5552: [0.16066726 1.31748325 0.36079067 4.01146358 5.51785641
 0.22574837
 3.99111304 -1.96511444 -2.88188729 -4.14080193 0.54555091 5.57738799
 4.14860408 -3.70970717 1.79694107 -2.97328369]
 Sample 5553: [0.18764927 1.30099139 0.38358949 4.02961183 5.41750604
 0.19331743
 4.00846332 -1.96357537 -2.90119852 -4.16087027 0.505525 5.53891838
 4.18388157 -3.63591982 1.72082736 -2.91619172]
 Sample 5554: [0.17672331 1.1871692 0.36331875 4.07036077 5.41933766
 0.16660011
 4.06046389 -1.97484396 -2.86429711 -4.23106395 0.59125779 5.54539325
 4.20724068 -3.65808137 1.6952041 -3.00674771]
 Sample 5555: [0.13067483 1.26640526 0.38133962 4.09631546 5.43577519
 0.16694673
 3.95752364 -2.00025317 -2.88601196 -4.21362246 0.68129914 5.56682503
 4.17806219 -3.66053167 1.78690623 -2.96081701]
 Sample 5556: [0.15349574 1.24844853 0.37842331 4.09884238 5.37194739
 0.23613935
 3.93196252 -2.03085836 -2.85033526 -4.29000538 0.69878528 5.68695297
 4.26025101 -3.67407166 1.75669236 -2.93688636]
 Sample 5557: [0.18451895 1.19225482 0.40051171 4.10019292 5.48769521
 0.24683099
 3.91756206 -2.08330664 -2.83416223 -4.19527751 0.70738919 5.64313524
 4.20603093 -3.65336193 1.74062755 -2.99928223]
 Sample 5558: [0.16729722 1.23596908 0.3907194 4.04733817 5.52845739
 0.21739577
 3.95164299 -2.08668589 -2.90811238 -4.15527499 0.67085338 5.6356109
 4.18881358 -3.6872816 1.71818166 -2.9869809]
 Sample 5559: [0.09681681 1.29139938 0.40791109 4.00854074 5.50975357
 0.12985673
 3.99696494 -2.10690171 -2.82991228 -4.19588477 0.5753437 5.63777908
 4.20698432 -3.67144517 1.71751032 -2.98922345]
 Sample 5560: [0.04330014 1.27974852 0.4159947 4.00543032 5.46563733
 0.13284871
 4.0611456 -2.22322735 -2.83706027 -4.26874617 0.60698898 5.64753421
 4.09318077 -3.58045745 1.6090441 -3.03005283]
 Sample 5561: [-1.41173695e-03 1.23910979e+00 4.35818252e-01 3.97573283e+00
 5.48060983e+00 2.09180550e-01 4.08052531e+00 -2.24560081e+00
 -2.82895099e+00 -4.23144276e+00 6.48634589e-01 5.72437743e+00
 4.06785693e+00 -3.58653994e+00 1.63379997e+00 -3.02730228e+00]
 Sample 5562: [-0.03720902 1.27423096 0.41770354 3.9629759 5.53357241
 0.26786166
 4.09197602 -2.25055829 -2.72083414 -4.21126598 0.66314775 5.73847246
 4.09169946 -3.63420806 1.72415921 -3.10373179]

Sample 5563: [-0.04224254 1.21879164 0.45605925 3.91470898 5.40228072
 0.2770787
 4.0672059 -2.28306096 -2.76263066 -4.25450035 0.70613201 5.75959269
 4.16042505 -3.65110587 1.78230334 -3.094733]
 Sample 5564: [-0.08393376 1.27623282 0.42642372 3.86429764 5.29876935
 0.33984869
 4.05684124 -2.32181251 -2.73179522 -4.33201264 0.6929959 5.72818728
 4.1822748 -3.71109341 1.79648936 -3.17588934]
 Sample 5565: [-0.09650102 1.21231886 0.464422 3.82933056 5.32587463
 0.33737929
 4.11299736 -2.31843516 -2.69964162 -4.25067113 0.59404204 5.69047105
 4.18451866 -3.67769965 1.86695117 -3.09238638]
 Sample 5566: [-0.06941326 1.23028982 0.42665873 3.77981172 5.34746662
 0.37717589
 3.9615294 -2.33733276 -2.72901491 -4.30052694 0.62976513 5.78324132
 4.23463775 -3.63187115 1.83614479 -3.0847295]
 Sample 5567: [-0.1749429 1.17697392 0.45734733 3.69170001 5.26731402
 0.32387273
 3.92019658 -2.33547583 -2.73235639 -4.30751269 0.62841443 5.72227336
 4.18849275 -3.6608549 1.84580747 -3.06475977]
 Sample 5568: [-0.08329106 1.2319629 0.40559781 3.65969996 5.24446061
 0.34617176
 3.95954424 -2.25111154 -2.71923256 -4.31750644 0.63010679 5.72233102
 4.19460497 -3.64281279 1.88484247 -3.05719541]
 Sample 5569: [0.0556512 1.24024451 0.46920151 3.64452158 5.25300556
 0.38157688
 3.981976 -2.31293358 -2.63221816 -4.32444696 0.59476268 5.75183039
 4.15208977 -3.66541941 1.92035491 -3.09237284]
 Sample 5570: [-0.02489728 1.2563203 0.42215156 3.53903197 5.28387341
 0.353274
 4.06861046 -2.33836865 -2.69257485 -4.33929356 0.56688713 5.73511225
 4.07266902 -3.65806064 1.90928854 -3.08701211]
 Sample 5571: [0.02167048 1.25476913 0.46735363 3.55557044 5.31844396
 0.36198836
 4.01526215 -2.29551578 -2.67950938 -4.34153121 0.53367237 5.72073822
 4.04426268 -3.75809753 1.88757038 -3.02749009]
 Sample 5572: [-0.01081824 1.26123184 0.42417693 3.50083479 5.29862874
 0.40211591
 4.04289329 -2.35023233 -2.73762929 -4.28113836 0.56726822 5.72415742
 4.10791952 -3.78876536 1.96615967 -3.05497978]
 Sample 5573: [-0.06251312 1.24393803 0.48652076 3.62053711 5.31995335
 0.51241737
 4.03578052 -2.39275686 -2.75709632 -4.31504756 0.54985325 5.70269281
 4.1508683 -3.86050378 2.02785047 -3.03446689]
 Sample 5574: [-0.04134067 1.232744 0.42424489 3.60759871 5.31496739
 0.53653449
 3.98970269 -2.39249929 -2.80506234 -4.2614519 0.60370579 5.74220824
 4.16438057 -3.82169158 2.08986829 -3.03429344]

Sample 5575: [-0.0484407 1.2449001 0.48832051 3.60938387 5.32938121
 0.57386265
 4.0440048 -2.40484836 -2.83759221 -4.28160887 0.61603682 5.64637037
 4.22563534 -3.82273265 2.10923451 -3.02283946]
 Sample 5576: [-0.01565119 1.23098176 0.43749441 3.62953141 5.3964761
 0.54949807
 4.10697838 -2.46822462 -2.8400056 -4.24035178 0.63351354 5.665874
 4.25796744 -3.73580103 2.11097595 -3.04583525]
 Sample 5577: [-0.07818204 1.28370764 0.52774632 3.58721822 5.3917149
 0.5712967
 4.1888352 -2.54165686 -3.0095039 -4.26958438 0.67063245 5.70966803
 4.29996628 -3.73266105 2.0835641 -3.06309881]
 Sample 5578: [-0.04233053 1.26828319 0.46071892 3.52383044 5.40112756
 0.55875714
 4.20577415 -2.58135721 -3.03890162 -4.3175211 0.720074 5.78321182
 4.23790405 -3.70275796 2.1816697 -3.11700409]
 Sample 5579: [-0.05424144 1.28542824 0.51957547 3.42740715 5.44089968
 0.59271772
 4.24739152 -2.50759311 -2.96086942 -4.36911342 0.72657673 5.74813007
 4.23062334 -3.73281281 2.18317699 -3.1147698]
 Sample 5580: [-4.48981399e-03 1.30701353e+00 4.57716463e-01 3.48271308e+00
 5.42908488e+00 5.96593092e-01 4.27372084e+00 -2.56752414e+00
 -3.01436361e+00 -4.34505890e+00 7.12057649e-01 5.65297930e+00
 4.19933018e+00 -3.78337523e+00 2.21048632e+00 -3.09411428e+00]
 Sample 5581: [-0.03683658 1.32647655 0.51709327 3.52410815 5.41055261
 0.58415413
 4.39102377 -2.4967778 -2.9970802 -4.27204509 0.79215233 5.65889114
 4.18724249 -3.84381221 2.23234944 -3.08352901]
 Sample 5582: [0.0160261 1.35585693 0.44860518 3.66136843 5.45013969
 0.62914388
 4.3901932 -2.51605044 -2.97568147 -4.25840207 0.75567188 5.64675006
 4.21782238 -3.9056145 2.16093347 -3.09111674]
 Sample 5583: [-0.00883994 1.31306477 0.50637644 3.60461616 5.38235632
 0.61202663
 4.38409909 -2.48788487 -2.96167814 -4.30642248 0.7095105 5.65119611
 4.2112876 -3.91919632 2.10451409 -3.14440539]
 Sample 5584: [0.02067901 1.32308899 0.45357136 3.62823819 5.33369069
 0.54996578
 4.26927731 -2.50907648 -3.00299455 -4.29455915 0.86987231 5.67538499
 4.26388764 -3.86215123 2.10717924 -3.09559384]
 Sample 5585: [-0.03762859 1.32419685 0.51077477 3.7097935 5.30271048
 0.57155362
 4.34720179 -2.4992109 -3.08029119 -4.28203251 0.88953595 5.67053729
 4.21876608 -3.86344356 2.20898492 -3.06720971]
 Sample 5586: [0.01888088 1.3684668 0.45596753 3.71764861 5.40744425
 0.66610354
 4.40013688 -2.52300527 -3.13437391 -4.23056714 1.01595213 5.63933578
 4.28834413 -3.92152758 2.26380126 -3.09449915]

Sample 5587: [-0.02350689 1.30651561 0.52009013 3.75822119 5.34815511
0.71774489
4.35022076 -2.55070643 -3.07262426 -4.20892186 1.12653522 5.65822107
4.28260327 -3.90774286 2.34205825 -3.09508272]
Sample 5588: [-0.07010882 1.30288102 0.42587203 3.77787349 5.33044625
0.65855997
4.29052012 -2.52933634 -3.03084931 -4.21850739 1.10136157 5.64653866
4.37553128 -3.93748566 2.26556462 -3.11214222]
Sample 5589: [-0.02821616 1.32024214 0.50606605 3.76189237 5.32024102
0.65025729
4.30604618 -2.5914456 -3.03989338 -4.21139712 1.07381123 5.634881
4.40081099 -3.94327437 2.3142099 -3.10146066]
Sample 5590: [-1.87528919e-03 1.32045098e+00 4.89902204e-01 3.70827643e+00
5.26106419e+00 6.52374810e-01 4.39532047e+00 -2.56671284e+00
-2.95675765e+00 -4.20425789e+00 1.08290268e+00 5.72775737e+00
4.38289074e+00 -3.86018696e+00 2.37261742e+00 -3.17981921e+00]
Sample 5591: [1.20831944e-03 1.38431111e+00 4.92788280e-01 3.76079622e+00
5.23808958e+00 6.90958772e-01 4.38364625e+00 -2.53335831e+00
-2.96807899e+00 -4.26265852e+00 1.07106847e+00 5.72776453e+00
4.32078542e+00 -3.82218717e+00 2.35472187e+00 -3.15649415e+00]
Sample 5592: [4.57571665e-03 1.29830240e+00 4.67256664e-01 3.78702156e+00
5.24433864e+00 7.01657458e-01 4.45013056e+00 -2.45676440e+00
-2.95201637e+00 -4.29120226e+00 1.11262960e+00 5.68253309e+00
4.32290509e+00 -3.75843691e+00 2.33037482e+00 -3.16836166e+00]
Sample 5593: [-0.05985808 1.35660829 0.48702468 3.70840162 5.2651594
0.70095303
4.48919803 -2.48191266 -3.00548024 -4.2615866 1.08556728 5.67448044
4.32674953 -3.84915538 2.34193173 -3.16220671]
Sample 5594: [-0.09287598 1.35365659 0.44034957 3.82290041 5.30695658
0.63829494
4.474359 -2.42966784 -2.96278744 -4.14573693 0.99901392 5.59254791
4.37441371 -3.79774149 2.39438418 -3.13868952]
Sample 5595: [-0.00848245 1.30653017 0.44629851 3.82439768 5.33846286
0.6428413
4.41286212 -2.41409874 -2.96354496 -4.09876793 1.05596971 5.54028689
4.35461813 -3.85115826 2.38498391 -3.04649217]
Sample 5596: [-0.05735128 1.33306178 0.459942 3.8181731 5.29149026
0.6570396
4.37180339 -2.41043859 -2.9520535 -4.08640662 1.01111929 5.52420437
4.31627137 -3.89590873 2.32357803 -3.10609157]
Sample 5597: [0.02851981 1.31904144 0.47238945 3.78420337 5.27817223
0.61885829
4.33769292 -2.44171408 -2.8346101 -4.07610478 0.99678745 5.53100455
4.31797575 -4.00342428 2.42372078 -3.08889352]
Sample 5598: [-0.00633238 1.31996153 0.4541956 3.79315771 5.33918769
0.61017236
4.2858416 -2.37960363 -2.84855928 -4.04206402 1.04914549 5.52435691
4.28738764 -4.04464111 2.35383845 -3.04946611]

Sample 5599: [-1.27355421e-03 1.31506468e+00 4.41146961e-01 3.75717008e+00
 5.26532268e+00 5.90593464e-01 4.22691735e+00 -2.41231650e+00
 -2.90121207e+00 -3.99930677e+00 1.00094119e+00 5.52308775e+00
 4.27427224e+00 -4.04598562e+00 2.38093730e+00 -2.97803814e+00]
 Sample 5600: [-0.0733239 1.33815621 0.5086795 3.7818779 5.35603103
 0.55538236
 4.26167382 -2.5215858 -2.89527236 -3.95299158 1.05005023 5.54227662
 4.33415795 -4.00532761 2.37759289 -2.94118059]
 Sample 5601: [0.01974555 1.26960665 0.44726425 3.80097517 5.37293608
 0.65648415
 4.31380544 -2.52505558 -2.85548292 -3.9958172 0.99309772 5.61967019
 4.37785705 -4.00855128 2.35320011 -2.92053578]
 Sample 5602: [-0.0477608 1.40816189 0.5183677 3.78390326 5.35642579
 0.70001529
 4.29955825 -2.46524112 -2.81281888 -4.0279215 0.94840694 5.77073562
 4.41429839 -3.99398046 2.39268866 -2.93688618]
 Sample 5603: [0.06552545 1.40158276 0.42730236 3.75832049 5.3419756
 0.70508428
 4.30382666 -2.44133483 -2.8225738 -4.10986759 1.00168327 5.80289785
 4.45359228 -3.95036406 2.51871233 -2.98246475]
 Sample 5604: [-0.02052687 1.28361999 0.50461757 3.77229331 5.21064392
 0.73961331
 4.33932497 -2.41412429 -2.76283764 -4.08501618 0.99908278 5.85691986
 4.45144571 -4.01754814 2.5754604 -3.08423632]
 Sample 5605: [-0.02583923 1.3503689 0.43184907 3.76279373 5.16560276
 0.76574426
 4.38536397 -2.42563416 -2.77785554 -4.0788471 0.95386208 5.87289933
 4.60424586 -3.99565828 2.57107033 -3.0071533]
 Sample 5606: [0.03109311 1.38865335 0.49965601 3.8189609 5.14333939
 0.70334666
 4.40043007 -2.45684123 -2.76901299 -4.05856165 0.89566098 5.86349267
 4.65868745 -4.04703052 2.51760827 -3.03770345]
 Sample 5607: [0.01858171 1.31955929 0.4225935 3.76803418 5.19715041
 0.82801592
 4.33432047 -2.42114688 -2.80909024 -4.0565915 0.91497286 5.83088239
 4.56721823 -4.15277961 2.53265274 -3.07991335]
 Sample 5608: [0.07463075 1.37782414 0.48588715 3.81411529 5.20475808
 0.80855243
 4.40785068 -2.34721936 -2.69209187 -3.99461221 0.83665739 5.92263377
 4.63917579 -4.20994173 2.46820981 -3.13826572]
 Sample 5609: [0.07677051 1.3497021 0.41876755 3.84922215 5.23266304
 0.78859249
 4.45351999 -2.38552156 -2.60649091 -3.97527831 0.79466515 5.87740572
 4.60599766 -4.18898596 2.5238691 -3.11866442]
 Sample 5610: [0.02792154 1.35260019 0.4907199 3.82403719 5.25134524
 0.85630745
 4.41845853 -2.37270994 -2.61060042 -3.97800428 0.80197488 5.91313827
 4.64862304 -4.17080645 2.47646884 -3.13257171]

Sample 5611: [5.26033194e-03 1.31003043e+00 4.23295179e-01 3.84151713e+00
5.22228613e+00 8.78185619e-01 4.41076692e+00 -2.41103230e+00
-2.63552777e+00 -4.04585038e+00 8.13283651e-01 5.90013266e+00
4.71967411e+00 -4.14441606e+00 2.39738471e+00 -3.14229612e+00]

Sample 5612: [5.18412282e-03 1.30845248e+00 4.82229149e-01 3.84615688e+00
5.17011596e+00 9.03592199e-01 4.38564740e+00 -2.34981356e+00
-2.57587894e+00 -4.05584496e+00 7.83557393e-01 5.90173531e+00
4.74107678e+00 -4.19144038e+00 2.38673733e+00 -3.15869426e+00]

Sample 5613: [5.20135413e-03 1.37387573e+00 4.06348640e-01 3.87710508e+00
5.23784765e+00 8.70406630e-01 4.43836899e+00 -2.33568850e+00
-2.57287453e+00 -4.08008044e+00 8.04377903e-01 5.99216749e+00
4.75964210e+00 -4.24432976e+00 2.42989096e+00 -3.06875883e+00]

Sample 5614: [0.02662215 1.33257309 0.48662889 3.89096276 5.2646007
0.85929456
4.46317324 -2.4014725 -2.62651691 -4.03918778 0.87815391 5.98445259
4.73519898 -4.24477544 2.47083016 -3.02654998]

Sample 5615: [-0.00966215 1.34420045 0.41743103 3.92397099 5.21261944
0.89521908
4.43724744 -2.44489775 -2.60575176 -3.94427571 0.80989245 6.11377468
4.77183707 -4.21262983 2.34139259 -3.00104092]

Sample 5616: [-0.01382655 1.34661504 0.4992458 3.86593205 5.19638409
0.87646717
4.44775219 -2.36198026 -2.65997923 -4.01000886 0.80676693 6.14699074
4.70610779 -4.18957037 2.33825348 -3.01815341]

Sample 5617: [-3.25551387e-03 1.32548076e+00 3.88323571e-01 3.87350170e+00
5.12866542e+00 8.65355391e-01 4.43389203e+00 -2.36471936e+00
-2.63009057e+00 -3.95612614e+00 7.76851238e-01 6.18659907e+00
4.71077128e+00 -4.20117473e+00 2.24242702e+00 -2.98013210e+00]

Sample 5618: [-0.01167173 1.3404156 0.48638106 3.86849241 5.09046938
0.83942179
4.47924137 -2.30791528 -2.66124914 -3.87389843 0.71565201 6.15407413
4.62821411 -4.13254455 2.28258191 -2.96880936]

Sample 5619: [-0.07268443 1.3790738 0.39363985 3.86227203 5.10644259
0.79460532
4.49184312 -2.33353155 -2.61350601 -3.941475 0.71624759 6.17399467
4.51415812 -4.20043859 2.17050902 -2.97308657]

Sample 5620: [0.0090641 1.37075012 0.46502779 3.84730676 5.0054247
0.83961411
4.50284343 -2.31277291 -2.56115939 -3.91949431 0.74316736 6.20072768
4.55330796 -4.14292838 2.18371735 -2.96577835]

Sample 5621: [0.07945052 1.37204563 0.42276263 3.83346884 5.10031788
0.9128794
4.47876089 -2.31626609 -2.5764179 -3.91536411 0.7012424 6.21708703
4.49010661 -4.198601 2.19328596 -2.97498153]

Sample 5622: [0.01719328 1.34868961 0.46265933 3.77844291 5.09778113
0.92457255
4.44917585 -2.31147413 -2.51036763 -3.9461072 0.77626705 6.14510911
4.47648512 -4.17106546 2.31721311 -2.86740706]

Sample 5623: [0.02117986 1.37288387 0.41410045 3.72752331 5.04904478
 0.96475635
 4.4863614 -2.30334027 -2.56819249 -3.95505838 0.7226964 6.21548803
 4.52679874 -4.19673764 2.30769176 -2.82919133]
 Sample 5624: [0.02800526 1.36298052 0.44920893 3.76273296 5.021494
 0.97506306
 4.47112227 -2.27006275 -2.50051656 -3.90825857 0.72292268 6.23597371
 4.57831654 -4.1945921 2.37953078 -2.79012702]
 Sample 5625: [0.07442541 1.39204015 0.41359839 3.72339539 4.98362867
 0.95074491
 4.50459855 -2.22344343 -2.55661276 -3.85263787 0.77344818 6.18903583
 4.59522259 -4.19737018 2.31151962 -2.7338587]
 Sample 5626: [1.49512452e-03 1.37949814e+00 4.20168647e-01 3.63321359e+00
 4.93228507e+00 9.55344548e-01 4.55100347e+00 -2.18474647e+00
 -2.52847600e+00 -3.77327727e+00 7.44220593e-01 6.15267308e+00
 4.57247611e+00 -4.14219730e+00 2.44195155e+00 -2.77850401e+00]
 Sample 5627: [0.05242216 1.39641072 0.39504882 3.64289193 4.86932605
 0.82401359
 4.52722323 -2.23062802 -2.43729039 -3.71704626 0.74548611 6.10905383
 4.62417721 -4.22898549 2.41915391 -2.81967157]
 Sample 5628: [-0.02179521 1.34607661 0.44119206 3.65018267 4.87183548
 0.85998536
 4.46925163 -2.19544973 -2.48655723 -3.69370664 0.79739447 6.12908994
 4.55796293 -4.18792872 2.42912774 -2.83825688]
 Sample 5629: [0.01756602 1.37752893 0.36387249 3.62427414 4.90702757
 0.87537259
 4.46519818 -2.16882734 -2.46897783 -3.6994486 0.83651994 6.21584239
 4.58880578 -4.11019662 2.48598878 -2.85565228]
 Sample 5630: [0.03420026 1.36934828 0.46129291 3.66390525 4.86405494
 0.92230743
 4.45057099 -2.15757858 -2.48131066 -3.64381249 0.89411452 6.25515782
 4.56854904 -4.16811481 2.52092249 -2.87325244]
 Sample 5631: [0.02502799 1.3939434 0.32647697 3.7064725 4.8963993
 0.92709134
 4.37866509 -2.11625011 -2.39754965 -3.52912224 0.88523142 6.25080525
 4.53831597 -4.21841585 2.56448227 -2.89677302]
 Sample 5632: [-0.03503241 1.30623853 0.43948818 3.64616277 4.82968794
 1.05505847
 4.36765495 -2.08492077 -2.3687801 -3.41065283 0.84018216 6.15989621
 4.48274783 -4.20360606 2.52962882 -2.85236742]
 Sample 5633: [0.04223958 1.36980191 0.35996087 3.54703456 4.80637465
 1.06149035
 4.42843539 -2.03236314 -2.3540467 -3.41707927 0.8793625 6.14130367
 4.47063948 -4.20326349 2.49918148 -2.84615513]
 Sample 5634: [0.04070314 1.38385124 0.39384405 3.53548222 4.82494472
 1.09020265
 4.42912571 -2.06303919 -2.31839441 -3.39725158 0.89870591 6.15377883
 4.46135168 -4.26283769 2.49938337 -2.84562069]

Sample 5635: [0.05183308 1.38926313 0.36185231 3.59363658 4.88937584
0.93360901
4.49838615 -2.11005636 -2.268337 -3.43618388 1.00533063 6.18269606
4.5392869 -4.23802061 2.54395793 -2.7681455]
Sample 5636: [-0.02434785 1.43162858 0.33806752 3.51712633 4.9317751
0.93560225
4.4972086 -2.01187001 -2.22030401 -3.45022219 1.01830027 6.16617598
4.54409262 -4.27967746 2.57765572 -2.74886478]
Sample 5637: [1.77352839e-03 1.42421713e+00 3.20271388e-01 3.51760843e+00
4.91585172e+00 9.83062048e-01 4.49181585e+00 -2.02079881e+00
-2.15086183e+00 -3.40122832e+00 1.02971317e+00 6.14992083e+00
4.55950030e+00 -4.37831559e+00 2.53436269e+00 -2.74785322e+00]
Sample 5638: [-0.04224126 1.38168698 0.37702896 3.53585311 4.81811938
1.07301373
4.4299285 -2.03255154 -2.14708475 -3.46520327 1.06782978 6.08076354
4.52527775 -4.31958849 2.59095636 -2.83785326]
Sample 5639: [-0.00972734 1.33269937 0.40576328 3.5607574 4.77755787
1.113622
4.31262785 -2.03192292 -2.14914319 -3.47752028 1.11046556 6.00937128
4.46646607 -4.31058445 2.52603906 -2.8901268]
Sample 5640: [-0.05987348 1.29169708 0.32750326 3.54556299 4.71476462
1.17363118
4.26797999 -1.96834234 -2.19438919 -3.50755681 1.22210218 6.01763836
4.42881235 -4.32744566 2.45278039 -2.91431183]
Sample 5641: [-0.11347519 1.26862092 0.32519179 3.54475332 4.79881792
1.0888622
4.21743369 -2.05241087 -2.20827884 -3.54306416 1.14340566 5.97616949
4.38327155 -4.39337727 2.50824627 -2.94393237]
Sample 5642: [-0.12087636 1.30362062 0.33153805 3.53083498 4.86734302
1.01337998
4.24885822 -2.05067353 -2.08564396 -3.52136974 1.18786574 5.97571615
4.30293229 -4.36030447 2.48246568 -3.01039932]
Sample 5643: [-0.10172142 1.2883239 0.32179091 3.45684018 4.92461901
1.01627169
4.14061433 -2.06329278 -2.09893582 -3.52675424 1.25933128 6.01294606
4.22804917 -4.37845839 2.5353465 -2.941045]
Sample 5644: [-0.171081 1.26910323 0.3079979 3.48505392 5.00155639
0.97161926
4.24594072 -2.04830062 -2.12440428 -3.46059938 1.28330033 6.027256
4.22596727 -4.31169131 2.58415229 -2.91834894]
Sample 5645: [-0.19734493 1.28506462 0.29672922 3.38151461 4.9979477
0.91402089
4.21927774 -2.04437821 -2.17128443 -3.49435203 1.21199434 5.92297209
4.22582299 -4.41241413 2.61648566 -2.91428176]
Sample 5646: [-0.10951827 1.28565512 0.28284861 3.35828122 4.96530225
0.82559655
4.19765304 -1.96243125 -2.18860192 -3.45786348 1.29108347 5.88805668
4.23938337 -4.38643452 2.61583422 -2.89607033]

Sample 5647: [-0.05139526 1.302644 0.28796466 3.35504043 4.92124103
 0.71808321
 4.2123496 -1.91043234 -2.12903157 -3.41538653 1.34175982 5.84781108
 4.22898201 -4.42337433 2.47252266 -2.89351425]
 Sample 5648: [0.03373371 1.30574195 0.32978417 3.34964121 4.99928101
 0.82072086
 4.19898531 -1.82257381 -2.15243881 -3.50325073 1.24242842 5.89941833
 4.27475209 -4.429529 2.53263597 -3.00070686]
 Sample 5649: [-4.18601414e-03 1.29386304e+00 3.43580055e-01 3.40630485e+00
 4.97837531e+00 8.46856971e-01 4.10393034e+00 -1.76370214e+00
 -2.14568167e+00 -3.45992070e+00 1.32126713e+00 5.99878360e+00
 4.24998749e+00 -4.47292106e+00 2.49939768e+00 -3.02161506e+00]
 Sample 5650: [0.00620852 1.26156799 0.34943299 3.40276941 4.99490707
 0.84410034
 4.08639363 -1.75574194 -2.08854461 -3.4605036 1.28309428 6.06907188
 4.13190709 -4.4900349 2.51877457 -3.10836574]
 Sample 5651: [0.02053583 1.30241343 0.31109624 3.34962129 5.00525705
 0.80671865
 4.09670868 -1.72330263 -2.06836518 -3.48700392 1.30909645 6.06571435
 4.14672418 -4.53609886 2.63070674 -3.09739636]
 Sample 5652: [-0.02472154 1.3600418 0.30508332 3.37905121 5.00819395
 0.82632791
 4.1878512 -1.6827151 -2.05074738 -3.45330865 1.35082871 5.97344977
 4.07481243 -4.58672603 2.66562364 -3.15716387]
 Sample 5653: [-0.04198978 1.32164083 0.37024832 3.31431526 4.98857434
 0.8057125
 4.1893207 -1.77392234 -2.03177831 -3.50553703 1.32627173 5.96989192
 4.02041967 -4.63535224 2.69398436 -3.13656705]
 Sample 5654: [-2.44196183e-03 1.30121927e+00 3.45557991e-01 3.29767752e+00
 5.01218528e+00 8.77412884e-01 4.23393679e+00 -1.84089654e+00
 -2.04308167e+00 -3.45553139e+00 1.33716369e+00 5.95828950e+00
 4.06268445e+00 -4.56245460e+00 2.68997382e+00 -3.15307771e+00]
 Sample 5655: [-0.02735098 1.27270056 0.32368397 3.39011591 5.05228027
 0.76799521
 4.23788737 -1.82349086 -1.9633432 -3.37232195 1.42250053 5.84257983
 4.09858616 -4.52636185 2.77457131 -3.07095876]
 Sample 5656: [-0.0427117 1.31523181 0.31445459 3.45100362 4.94749332
 0.88515254
 4.2259541 -1.80277116 -1.95424729 -3.47243279 1.43644781 5.89463714
 4.1016104 -4.54630236 2.85188314 -3.087012]
 Sample 5657: [-0.04529726 1.27239768 0.28635151 3.52048393 4.94747204
 0.87753987
 4.23731233 -1.80695773 -2.01437851 -3.42884247 1.34557042 5.85195652
 4.08782168 -4.57495326 2.83608126 -3.04454525]
 Sample 5658: [-0.08777427 1.26862446 0.28907316 3.45676519 4.98457773
 0.8228266
 4.20631008 -1.82863696 -2.12322882 -3.46217517 1.43787664 5.8528451
 4.05819405 -4.62050969 2.86755678 -2.99061975]

Sample 5659: [-0.03341537 1.30785128 0.2871482 3.38754386 5.03496751
 0.89970386
 4.17324063 -1.83254766 -2.14451922 -3.51048213 1.36542757 5.73760224
 4.08302168 -4.64845489 2.82437748 -3.0085219]
 Sample 5660: [-0.07718231 1.22396384 0.32327837 3.32773964 5.01302217
 0.82049918
 4.10649642 -1.84119026 -2.17450605 -3.63232826 1.28708102 5.69646288
 4.01358912 -4.60510879 2.75130248 -3.03004098]
 Sample 5661: [-0.11126188 1.27158709 0.29154907 3.46233692 5.06592965
 0.88369203
 4.20093186 -1.9297173 -2.07632077 -3.71953257 1.28015931 5.69343776
 3.98889804 -4.53692777 2.77349267 -3.11750639]
 Sample 5662: [-0.05981997 1.25117191 0.36508151 3.43800918 5.0753725
 0.85845962
 4.13938818 -1.89642429 -2.03842498 -3.79974827 1.17175141 5.71937653
 4.01326729 -4.44404543 2.87456084 -3.1302562]
 Sample 5663: [-0.04545107 1.25687045 0.39345509 3.49223919 4.97982455
 0.83196439
 4.19437284 -1.97251241 -1.98228897 -3.7946436 1.10927252 5.67457038
 3.9876276 -4.45692177 2.90069529 -3.18497534]
 Sample 5664: [-0.10810352 1.24425218 0.3755362 3.48094274 4.95946751
 0.82997999
 4.19227304 -1.99021726 -2.0110621 -3.8581572 1.08320055 5.65739303
 3.884219 -4.47855663 2.90514037 -3.25810427]
 Sample 5665: [-0.08266232 1.23611651 0.39516672 3.49793687 4.852681
 0.8342397
 4.16421121 -2.03715527 -2.07638725 -3.87522246 1.03258166 5.63578207
 3.89464326 -4.47942936 2.84444988 -3.20237524]
 Sample 5666: [-0.01781415 1.26576243 0.39185134 3.39038094 4.81520098
 0.8895527
 4.19372889 -2.06039456 -2.09461746 -3.93705514 0.99414395 5.67545424
 3.86461381 -4.51063499 2.78246716 -3.20705035]
 Sample 5667: [-0.01407335 1.26820302 0.40571299 3.43125747 4.72182728
 0.89187533
 4.24431278 -2.09556636 -2.06655759 -3.91168804 0.99561049 5.74764081
 3.94357848 -4.50648788 2.72187066 -3.19068542]
 Sample 5668: [-0.05926424 1.26739425 0.40917015 3.43379499 4.70272358
 0.92662679
 4.25084168 -2.13882529 -2.06500454 -3.92173792 0.99436801 5.76424744
 3.99359467 -4.54561107 2.82690548 -3.16748719]
 Sample 5669: [-0.14177835 1.2306192 0.42090499 3.41334221 4.75046158
 0.90595423
 4.17025634 -2.18023281 -2.08188322 -3.83535105 1.0367593 5.89865006
 4.0532195 -4.57789234 2.79121832 -3.18123273]
 Sample 5670: [-0.16378044 1.24419163 0.3969187 3.32878386 4.60355092
 0.90559936
 4.12772386 -2.16386329 -2.1396775 -3.88009649 1.05295549 5.87616165
 4.01501256 -4.60053801 2.778574 -3.12100162]

Sample 5671: [-0.19021046 1.22278465 0.40159698 3.32221244 4.67044648
 0.93040776
 4.18414786 -2.1844081 -2.16018974 -3.82290309 0.98756643 5.98143094
 4.02709961 -4.61989148 2.80615272 -3.10018031]
 Sample 5672: [-0.14094157 1.2479683 0.43210575 3.35621695 4.66451161
 0.93394391
 4.17420647 -2.0962589 -2.20808487 -3.8124423 0.92404031 6.01230509
 3.9850963 -4.53263384 2.82926029 -3.08970661]
 Sample 5673: [-0.08815536 1.24994922 0.35501174 3.38152357 4.76284288
 0.91380366
 4.16311216 -2.11699871 -2.195784 -3.86618652 0.88196056 6.0242052
 3.95561061 -4.46408389 2.87461485 -3.0894894]
 Sample 5674: [-0.1616397 1.23886875 0.45242412 3.38693067 4.78817146
 0.97673526
 4.19156475 -2.13255864 -2.23639491 -3.9089121 0.8910208 6.04697376
 3.85431076 -4.4634575 2.8858442 -3.07681261]
 Sample 5675: [-0.17191768 1.28905224 0.38641806 3.3866998 4.72865652
 0.9142076
 4.23574734 -2.18887027 -2.19191043 -3.92941055 0.89732305 6.08963631
 3.84066241 -4.49257271 2.89878053 -3.05067179]
 Sample 5676: [-0.18277171 1.23222875 0.40626376 3.42985001 4.78143439
 0.94981553
 4.23344006 -2.14452874 -2.1440744 -3.94039195 0.8317652 6.07806974
 3.89061826 -4.46444358 2.94990955 -3.06420716]
 Sample 5677: [-0.24309976 1.28053888 0.39714715 3.42719433 4.78983377
 1.03375834
 4.22105544 -2.10718375 -2.10274206 -3.95113967 0.85256045 6.09889349
 3.88560989 -4.42436419 2.94613979 -3.11468934]
 Sample 5678: [-0.15926729 1.25977275 0.41135862 3.46716782 4.78280582
 1.09102407
 4.24690219 -2.14190552 -2.15142432 -3.98075606 0.85767635 5.98959212
 3.90777924 -4.34791498 2.94673006 -3.16370214]
 Sample 5679: [-0.15258178 1.2372145 0.390043 3.55446791 4.82086155
 1.02331277
 4.21580578 -2.09932517 -2.12268111 -3.85695983 0.8966421 5.9189389
 3.86872699 -4.2607025 2.99301734 -3.22801129]
 Sample 5680: [-0.20595217 1.22924736 0.40040219 3.5051666 4.81997345
 1.01243708
 4.27268547 -2.09244088 -2.08659457 -3.89767314 0.92298143 5.9279518
 3.94879706 -4.1799413 2.97650249 -3.20699737]
 Sample 5681: [-0.2136917 1.28582903 0.39992662 3.48536478 4.79480418
 0.97880675
 4.29466865 -2.07003181 -2.15592505 -3.90797613 0.92740637 5.96851492
 3.93342428 -4.17928527 2.97179093 -3.16540706]
 Sample 5682: [-0.16676035 1.30248086 0.37196185 3.41319188 4.78695102
 0.95255586
 4.32451545 -2.01146558 -2.11616804 -3.94486728 0.92680507 6.067243
 3.89779745 -4.15441053 3.00472821 -3.07264846]

Sample 5683: [-0.22160914 1.24047887 0.36816876 3.34989419 4.71733552
 0.96039033
 4.25575197 -2.03495492 -2.13791291 -3.97385119 0.98101243 5.95585239
 3.94272931 -4.17500552 2.96290965 -3.10846998]
 Sample 5684: [-0.27872574 1.27612291 0.38332451 3.37087977 4.6434288
 0.97071887
 4.25878096 -2.00219963 -2.12884018 -4.00148972 0.9001793 5.9262359
 3.95478926 -4.24590401 2.91216072 -3.1903716]
 Sample 5685: [-0.27307692 1.28176514 0.34661786 3.35181129 4.65462973
 0.96193842
 4.24812557 -1.97017045 -2.13576796 -3.96413482 0.96968147 5.91477923
 3.97877563 -4.21492661 2.84973907 -3.11185671]
 Sample 5686: [-0.26026635 1.22331539 0.35249583 3.29432683 4.54170927
 0.99375943
 4.19959942 -1.96527998 -2.15951261 -4.01021124 0.94944158 5.87647924
 4.0788222 -4.31703334 2.80539865 -3.13181079]
 Sample 5687: [-0.31134774 1.27308796 0.35573563 3.22743022 4.4100205
 1.06115669
 4.22452924 -2.08128411 -2.09285124 -3.94649266 1.03841203 5.86902256
 4.06785521 -4.28164012 2.80356278 -3.07003406]
 Sample 5688: [-0.23574011 1.23464718 0.38354863 3.19022669 4.43422893
 1.09349585
 4.15570902 -2.10034034 -2.11483708 -3.90799079 1.00525384 5.97786798
 4.06215316 -4.27690949 2.85799293 -3.04773048]
 Sample 5689: [-0.29666168 1.26479498 0.34594031 3.18732964 4.43504784
 1.04755938
 4.21088488 -2.10120431 -2.17104272 -3.92790219 1.11478013 5.90508019
 3.96976755 -4.27834462 2.90620013 -3.05021994]
 Sample 5690: [-0.28767333 1.25343462 0.38541437 3.08217489 4.36613544
 1.07153625
 4.28175702 -2.03612488 -2.13136504 -3.93173519 1.13603578 5.95758884
 3.95083294 -4.31284132 2.99499883 -3.0892964]
 Sample 5691: [-0.34967725 1.29784422 0.37026012 3.12983019 4.33390784
 0.99256275
 4.3844432 -2.05342006 -2.0896531 -3.90172407 1.10519664 5.86625702
 3.90060573 -4.22450373 2.97299707 -3.1383363]
 Sample 5692: [-0.39989777 1.27101417 0.38016156 3.16608542 4.30319048
 1.00452306
 4.41685986 -1.98980136 -2.07077046 -3.88068523 1.07956177 5.8782088
 3.96663904 -4.17347672 2.97266037 -3.12863503]
 Sample 5693: [-0.30753805 1.32444664 0.34172996 3.17917356 4.26248218
 1.02035062
 4.39748794 -1.97207928 -2.10683126 -3.87636575 1.09906714 5.96712341
 3.94364742 -4.2664052 2.92080913 -3.06327013]
 Sample 5694: [-0.32578058 1.28254447 0.3300506 3.14497211 4.29662034
 0.96656421
 4.49441442 -1.81157768 -2.16395125 -3.91681589 1.05271368 5.93910754
 3.94952384 -4.19538908 2.95193833 -3.12045085]

Sample 5695: [-0.23017913 1.34848105 0.32094737 3.16742212 4.19635404
 0.86352457
 4.44660371 -1.90473449 -2.2209452 -3.91182441 1.09425283 5.8988597
 3.93068604 -4.11524908 2.86696532 -3.15196605]
 Sample 5696: [-0.15582037 1.28345227 0.32725237 3.23858546 4.10953546
 0.88398257
 4.49385621 -1.8560129 -2.20316593 -3.88623102 1.20139101 5.99481689
 3.84694383 -4.16929652 2.89958527 -3.24248004]
 Sample 5697: [-0.16577163 1.31472332 0.36161421 3.16233346 4.10391838
 0.84927319
 4.39520686 -1.88422083 -2.18154461 -3.99245529 1.17975113 5.99932814
 3.86091935 -4.25699524 2.93888676 -3.23776973]
 Sample 5698: [-0.11959762 1.25122215 0.33643127 3.20777646 4.11204354
 0.79314963
 4.34116341 -1.81776887 -2.1447872 -3.95176224 1.26550227 5.9632782
 3.82003687 -4.21187889 2.93907015 -3.2074298]
 Sample 5699: [-0.14019236 1.33819118 0.36099435 3.19439658 4.0775219
 0.78145015
 4.38468724 -1.75251706 -2.1199874 -3.97556942 1.21278535 5.92795333
 3.79888582 -4.23674776 2.9575181 -3.1574852]
 Sample 5700: [-0.08875784 1.31011257 0.35547319 3.17705726 4.05159507
 0.74871632
 4.40329912 -1.7210337 -2.11371679 -3.98209204 1.13528311 5.91564231
 3.78054925 -4.3276319 2.97058222 -3.17415546]
 Sample 5701: [-0.14374623 1.30839683 0.32935615 3.24184516 4.05600451
 0.73927818
 4.43999721 -1.70563832 -2.16420246 -4.02470547 1.09634187 5.86742935
 3.75551156 -4.35769951 3.00064193 -3.31279013]
 Sample 5702: [-0.15767013 1.30616508 0.29445602 3.21356519 3.96804167
 0.69580624
 4.39632307 -1.70980162 -2.09159149 -3.99441413 1.06757274 5.85151235
 3.72446361 -4.2811837 3.03835828 -3.30089114]
 Sample 5703: [-0.06869905 1.31107597 0.2998667 3.17977125 3.97313145
 0.67124135
 4.38386389 -1.60909989 -2.16220112 -4.02588502 1.1235173 5.76010777
 3.71803942 -4.34344299 2.97518338 -3.28953009]
 Sample 5704: [0.02908842 1.29806482 0.32512884 3.22461552 3.96484888
 0.66225924
 4.33214089 -1.65792747 -2.1873851 -4.05434644 1.20243913 5.70430773
 3.79267323 -4.32448461 2.91610648 -3.40739581]
 Sample 5705: [-0.05052826 1.31268985 0.31964718 3.29383379 3.96871621
 0.63587397
 4.25947625 -1.71228946 -2.19195378 -4.12608546 1.29987464 5.69307008
 3.7863231 -4.32983733 2.93642891 -3.35334655]
 Sample 5706: [-0.0219712 1.32916344 0.31986047 3.33764025 3.94176313
 0.66189662
 4.2805813 -1.76485268 -2.17466413 -4.0984075 1.40457334 5.73753893
 3.77883793 -4.37718789 3.0261906 -3.3614015]

Sample 5707: [-0.01556194 1.33295906 0.35360136 3.3458293 4.03178897
 0.72031641
 4.29284772 -1.77879174 -2.25169452 -4.10774668 1.4184245 5.70573918
 3.84355883 -4.34677535 3.06261149 -3.40444171]
 Sample 5708: [-0.05586549 1.26759304 0.28597652 3.42795754 4.03395422
 0.71402795
 4.29957578 -1.72832191 -2.19579156 -3.99700583 1.46565635 5.70864801
 3.82336689 -4.42751266 3.06938893 -3.39723805]
 Sample 5709: [-0.0621646 1.29064802 0.3645141 3.49489468 4.01145694
 0.71647193
 4.3043144 -1.75031562 -2.18071469 -3.97576846 1.40522262 5.6659695
 3.83753945 -4.42878407 3.08651494 -3.40318746]
 Sample 5710: [-0.04460649 1.28339052 0.31674598 3.52444534 3.97580128
 0.76558039
 4.30676697 -1.70445384 -2.13940206 -4.03075108 1.35905917 5.6401051
 3.83933384 -4.44764309 3.13123836 -3.38711097]
 Sample 5711: [-0.0791326 1.28190974 0.28470177 3.54486477 3.9071773
 0.86938976
 4.34813259 -1.60428679 -2.11069212 -4.02017682 1.36479231 5.58316942
 3.84483736 -4.5081251 3.22135828 -3.37753831]
 Sample 5712: [-0.10335996 1.24882042 0.3140549 3.55089619 3.89706734
 0.88926499
 4.25896729 -1.61409343 -2.03222552 -4.09893276 1.37292439 5.55797454
 3.82795152 -4.47903246 3.21247539 -3.43713141]
 Sample 5713: [-0.08405846 1.22330627 0.27665838 3.67589473 3.9330948
 0.90393769
 4.28981817 -1.61980248 -1.96940912 -4.01553191 1.33140733 5.52779833
 3.74684801 -4.56416044 3.18289337 -3.51856213]
 Sample 5714: [-0.09579464 1.27219172 0.34723155 3.73862374 3.98150465
 0.89079321
 4.34058905 -1.62134429 -1.90971517 -3.98862056 1.3676525 5.49661327
 3.78874985 -4.66001386 3.23637748 -3.48847347]
 Sample 5715: [-0.07519752 1.25900588 0.28236628 3.74517007 4.05721506
 0.84868986
 4.3167115 -1.63245462 -1.90627603 -3.94169567 1.34832651 5.53308601
 3.70166281 -4.65923801 3.19542911 -3.45340337]
 Sample 5716: [-0.14657982 1.20467262 0.31158851 3.73002807 4.04427327
 0.86836852
 4.18252934 -1.64551686 -1.87578901 -3.8821916 1.25491718 5.50895689
 3.72808673 -4.62257893 3.21164673 -3.48397712]
 Sample 5717: [-0.12604363 1.20162371 0.34988302 3.77841079 3.97773839
 0.82543235
 4.11341312 -1.71314712 -1.90981728 -3.91083185 1.18797829 5.39954262
 3.69713444 -4.55650909 3.24627491 -3.3952733]
 Sample 5718: [-0.07158389 1.18391974 0.32181462 3.7825027 3.96284828
 0.89149383
 4.02630676 -1.74289494 -1.89788237 -3.93839655 1.23242456 5.36950137
 3.6763521 -4.52113945 3.19575641 -3.41474277]

Sample 5719: [-0.14258899 1.14770483 0.34400218 3.86866378 4.090167
 0.90241163
 3.95832756 -1.72721943 -1.82823259 -3.94207805 1.22568358 5.43700844
 3.725331 -4.565743 3.185888 -3.47763533]
 Sample 5720: [-0.0825039 1.15597421 0.32214969 3.84379472 4.06678412
 0.87265833
 3.93014241 -1.79080625 -1.77585413 -3.92544306 1.1927128 5.29103551
 3.66965696 -4.46451004 3.21607906 -3.43515678]
 Sample 5721: [-0.09883321 1.12042638 0.39025858 3.88208802 4.00157604
 0.96412484
 3.86322028 -1.88992526 -1.79554043 -3.90782753 1.20014591 5.23286268
 3.71402347 -4.46248657 3.22840782 -3.35280428]
 Sample 5722: [-0.08582848 1.15379467 0.33825566 3.92821509 3.96531155
 0.93747993
 3.83561311 -1.91364093 -1.78287529 -3.90641769 1.23953343 5.26957863
 3.80191916 -4.5821587 3.20981144 -3.36976328]
 Sample 5723: [-0.14169845 1.08252211 0.38758558 3.92144227 4.06524567
 0.90723609
 3.70046594 -1.90002942 -1.76585909 -3.86254598 1.27480776 5.1993254
 3.8168986 -4.64009159 3.10828491 -3.34629932]
 Sample 5724: [-0.12158064 1.08261756 0.32027566 3.97480696 4.09903831
 0.82783749
 3.65582331 -1.87310068 -1.88130047 -3.82367621 1.27656062 5.14269489
 3.76574648 -4.69294447 3.18181881 -3.37901392]
 Sample 5725: [-0.25275637 1.02597863 0.35803009 3.91797234 4.12926962
 0.81213293
 3.55836055 -1.86900859 -1.8302066 -3.82239411 1.29923791 5.06662012
 3.7290617 -4.71190073 3.12932143 -3.41183601]
 Sample 5726: [-0.18223871 1.03209214 0.33296309 4.03716022 4.18484017
 0.84989749
 3.52883865 -1.90864887 -1.92369874 -3.83347719 1.35776337 4.98263528
 3.77197898 -4.68429107 3.17436218 -3.47106973]
 Sample 5727: [-0.17405664 1.00487512 0.37158653 4.02557775 4.23238728
 0.83746452
 3.49481676 -1.93591418 -1.99253957 -3.80858944 1.35445211 5.00952781
 3.77160456 -4.67798515 3.19675582 -3.50088839]
 Sample 5728: [-0.11361379 1.00870333 0.3410838 4.14789371 4.19857858
 0.78286096
 3.41002182 -1.83366375 -1.94471879 -3.85448402 1.32358427 5.04016389
 3.78782121 -4.6608535 3.2142285 -3.52691532]
 Sample 5729: [-0.0656632 1.01766475 0.37727897 4.16834811 4.21219435
 0.8098325
 3.44479297 -1.95172843 -1.91045585 -3.79312984 1.27751867 5.02589662
 3.76527797 -4.69563213 3.18183975 -3.52066802]
 Sample 5730: [-0.146872 0.99996975 0.36998856 4.13357574 4.1213257
 0.79612963
 3.37338392 -1.96436471 -1.85113018 -3.8828049 1.31254516 4.99676919
 3.73571372 -4.61950376 3.15021287 -3.51603077]

Sample 5731: [-0.10298691 0.99395306 0.3903869 4.10496171 4.09858983
 0.75393773
 3.29101871 -1.99417964 -1.79221302 -3.82707047 1.25344043 5.0277617
 3.72901467 -4.75155065 3.07874827 -3.56561026]
 Sample 5732: [-0.13528393 0.94986442 0.36383934 4.13568463 4.06030864
 0.71065924
 3.23122359 -2.02627065 -1.75886825 -3.85695604 1.23875398 5.00169463
 3.74186309 -4.81118418 3.11807632 -3.52750357]
 Sample 5733: [-0.1058302 0.94273836 0.41223831 4.19436173 4.11159358
 0.85029026
 3.16041436 -2.02248978 -1.72590157 -3.86377855 1.14938272 4.93666434
 3.76865183 -4.80993047 3.03851054 -3.6251167]
 Sample 5734: [-0.11566866 0.94668218 0.36116864 4.18697377 4.14356215
 0.91657923
 3.19864745 -1.98024772 -1.7245172 -3.92407592 1.09276834 4.82711717
 3.77149253 -4.80864305 3.06303842 -3.56496106]
 Sample 5735: [-0.15444037 0.9176284 0.40282257 4.17243652 4.06603573
 0.96042584
 3.10044326 -1.99247089 -1.73901834 -3.95662132 1.07372437 4.70749406
 3.77148629 -4.80683269 3.11324385 -3.51099532]
 Sample 5736: [-0.17706737 0.91078877 0.3619555 4.12803224 3.95261504
 0.88962589
 3.16111371 -2.00234998 -1.80130766 -3.98599826 1.05531923 4.76823287
 3.74042162 -4.84130687 3.12500557 -3.52142376]
 Sample 5737: [-0.19037138 0.93638404 0.38062491 4.11505564 3.98778465
 0.85267842
 3.15414698 -1.91084641 -1.76944083 -4.02133055 1.02658072 4.72379321
 3.73741269 -4.92480406 3.20939874 -3.4840253]
 Sample 5738: [-0.11613367 0.90983329 0.34822861 4.07005101 4.00322309
 0.89548212
 3.13030013 -1.91478493 -1.85788735 -3.960145 1.01927986 4.70406898
 3.6548575 -5.03404648 3.25845198 -3.39850524]
 Sample 5739: [-0.16889634 0.94089867 0.39602867 4.09435384 4.04262025
 0.88355606
 3.09429943 -1.93266287 -1.87647443 -4.03576759 0.93815039 4.67300533
 3.71365316 -4.9887511 3.2625942 -3.33333101]
 Sample 5740: [-0.08670461 0.89825475 0.3515367 4.1378147 4.02377911
 0.93555647
 3.02974119 -1.93723717 -1.8583297 -4.04282848 1.00475979 4.56314497
 3.70592698 -4.92466456 3.26164685 -3.2961996]
 Sample 5741: [-0.11681416 0.91782382 0.3818749 4.1943872 3.96745731
 0.85976577
 3.03858186 -1.87375882 -1.7714006 -4.04635086 1.02825308 4.45949346
 3.64353935 -5.02552263 3.26803609 -3.27386345]
 Sample 5742: [-0.09148752 0.9198195 0.33615373 4.2363873 4.02331464
 0.86864585
 3.04571539 -1.87999942 -1.74160287 -4.09871745 1.01130179 4.44264961
 3.66692546 -4.99720358 3.20244769 -3.28004426]

Sample 5743: [-0.16643599 0.88235764 0.39044472 4.11669905 4.00487493
 0.81340358
 3.0284316 -1.87770458 -1.78373421 -4.15111362 1.01147483 4.44968514
 3.66470712 -5.00312178 3.20449946 -3.29882513]
 Sample 5744: [-0.14323815 0.91370899 0.32334684 4.14071104 4.0059917
 0.7896749
 3.04613349 -1.84970567 -1.77354437 -4.17623346 1.0836552 4.40904527
 3.63272371 -4.88738439 3.23311098 -3.3301061]
 Sample 5745: [-0.09228309 0.93351336 0.36287863 4.18092815 3.99328779
 0.77290562
 3.10358688 -1.8330989 -1.7791236 -4.17783019 1.13398238 4.46190974
 3.63225778 -4.91219914 3.24680555 -3.29888636]
 Sample 5746: [-0.1194361 0.93246923 0.33780283 4.14332046 4.02220548
 0.80864485
 3.08606515 -1.85341993 -1.77192747 -4.20467926 1.21920317 4.44824015
 3.67712951 -4.91042541 3.24676705 -3.35715571]
 Sample 5747: [-0.09950589 0.89448518 0.36555048 4.14692407 4.00868975
 0.8376091
 3.01131595 -1.82173023 -1.77771348 -4.16861366 1.19122113 4.46922488
 3.75737296 -4.85633376 3.18970228 -3.34560382]
 Sample 5748: [-0.1238395 0.91518169 0.35465793 4.11018991 4.00520517
 0.91864555
 3.04290445 -1.89794553 -1.82550295 -4.18027421 1.16301434 4.43972927
 3.75790422 -4.79474545 3.1346396 -3.36006147]
 Sample 5749: [-0.03868373 0.91894172 0.37565072 4.10323076 3.93845017
 0.86047334
 3.01412805 -1.88766326 -1.88149731 -4.17851996 1.20024533 4.34464641
 3.74015336 -4.85335963 3.11082147 -3.25660818]
 Sample 5750: [-0.10074055 0.90934197 0.32884553 4.10535263 3.90591925
 0.74022709
 2.8871831 -1.92964162 -1.92698683 -4.21802193 1.20370523 4.33020138
 3.80238873 -4.87377817 3.05247843 -3.28188152]
 Sample 5751: [-0.17647511 0.8805279 0.4030539 4.07833584 3.94963731
 0.75730184
 2.84202546 -1.922055 -1.92927355 -4.21799149 1.21275381 4.28827132
 3.84367953 -4.85535694 3.0176388 -3.22650506]
 Sample 5752: [-0.11538574 0.86989824 0.31543053 4.02819891 3.9500366
 0.69949873
 2.86465098 -1.91848729 -1.97965309 -4.20164921 1.31155069 4.27667426
 3.71179947 -4.82349267 3.02053183 -3.22929644]
 Sample 5753: [-0.11054014 0.92758568 0.36073558 4.09481294 3.99936124
 0.67588765
 2.88605294 -1.98848089 -1.9738229 -4.18520953 1.40258892 4.24236033
 3.68063184 -4.69100294 3.04637941 -3.23960185]
 Sample 5754: [-0.06391906 0.90456412 0.37473097 4.12946001 3.90950714
 0.61015398
 2.78708682 -1.96310464 -1.95798142 -4.17261381 1.31603603 4.22338988
 3.75182744 -4.61407091 3.07186481 -3.09147306]

Sample 5755: [-0.05594902 0.88219569 0.35259354 4.03999721 3.9777404
 0.62071091
 2.59754149 -2.14519044 -2.02896698 -4.15032029 1.37129201 4.23719991
 3.75810767 -4.63296513 3.09299036 -3.09928204]
 Sample 5756: [-0.07314585 0.87539608 0.41162512 4.06592455 4.08499509
 0.62962307
 2.57894276 -2.15031105 -2.01737626 -4.06062914 1.25238136 4.27325282
 3.7247489 -4.63496737 3.07499929 -3.11826732]
 Sample 5757: [-0.03321666 0.92971565 0.42073944 4.17889638 4.12910918
 0.66279886
 2.6219173 -2.1986801 -2.09881258 -4.08724901 1.19802125 4.34119426
 3.75715926 -4.69959777 3.05328664 -3.1293817]
 Sample 5758: [-0.04121453 0.85936592 0.39729739 4.15501382 4.08391129
 0.68232903
 2.61275484 -2.17642764 -2.02557501 -4.17966731 1.24612125 4.25399567
 3.8382491 -4.77071039 3.0319706 -3.15986683]
 Sample 5759: [-0.08291846 0.87389388 0.44577148 4.13850504 4.11272693
 0.68323859
 2.61132016 -2.17467003 -2.00940311 -4.16546286 1.30437498 4.29135478
 3.80812642 -4.74573182 3.03800307 -3.26379408]
 Sample 5760: [-0.02229739 0.87828475 0.4120974 4.19284905 4.02438572
 0.73379858
 2.53702865 -2.20458689 -1.99557563 -4.10176935 1.33254592 4.24578749
 3.84269717 -4.78035125 3.15803826 -3.31373445]
 Sample 5761: [-0.13192942 0.82872491 0.43150348 4.24141458 4.07248229
 0.66702207
 2.54820187 -2.22204105 -1.98322502 -4.05065389 1.33072497 4.24502682
 3.88256914 -4.71964465 3.14231639 -3.32849372]
 Sample 5762: [-0.11453686 0.76666496 0.44126066 4.28697802 4.03623024
 0.7314437
 2.56590319 -2.25477448 -2.01949563 -4.10303261 1.35568245 4.38566838
 3.92394587 -4.69941091 3.09900572 -3.34229029]
 Sample 5763: [-0.13580991 0.84333119 0.45127329 4.20819557 4.02461769
 0.69821001
 2.60028603 -2.37601784 -2.09037467 -4.09481614 1.38794997 4.33237893
 3.90078266 -4.6952456 3.05117077 -3.43833886]
 Sample 5764: [-0.02615985 0.82063132 0.45654885 4.19946309 4.05816834
 0.76581475
 2.58855177 -2.37450242 -2.15989586 -4.08814187 1.40811674 4.32341218
 3.94997826 -4.63657259 3.07579397 -3.45352987]
 Sample 5765: [-0.07097808 0.84599958 0.45406305 4.27265886 4.20097889
 0.74713484
 2.64008534 -2.33700422 -2.16897372 -4.13548099 1.42439649 4.34983052
 4.06882704 -4.54403541 3.15828867 -3.47109172]
 Sample 5766: [-0.08107906 0.85096852 0.42874528 4.28375205 4.24725976
 0.75182565
 2.68511401 -2.37174677 -2.18691167 -4.12752784 1.46720596 4.42583877
 3.99012694 -4.49625456 3.1915096 -3.36074459]

Sample 5767: [-0.13316439 0.81779064 0.46151205 4.33145897 4.16518171
 0.737813
 2.67862083 -2.37488503 -2.08822327 -4.1536693 1.34831484 4.49404617
 4.04080087 -4.56049892 3.13866294 -3.39725307]
 Sample 5768: [-0.13942766 0.82538454 0.42441604 4.40898525 4.06028201
 0.64340854
 2.63355466 -2.28336753 -2.08652464 -4.17114241 1.31694759 4.49887733
 4.08043556 -4.55434456 3.0564364 -3.35534045]
 Sample 5769: [-0.25456488 0.78887792 0.4144985 4.34448494 3.95389421
 0.64029678
 2.65866202 -2.30565874 -2.15394614 -4.11979394 1.20228816 4.51077591
 4.05250501 -4.51831863 3.07759444 -3.44080785]
 Sample 5770: [-0.21752335 0.83532949 0.45245436 4.26751164 3.94959849
 0.579406
 2.69310306 -2.31857034 -2.02411426 -4.10286637 1.12674842 4.44741688
 3.97670052 -4.55521783 2.98251273 -3.41944025]
 Sample 5771: [-0.15745116 0.80004531 0.43922898 4.26002725 3.96985149
 0.58147813
 2.64465334 -2.39996608 -1.97526975 -4.10640637 1.12738572 4.42449642
 3.93661643 -4.56014221 3.02184665 -3.33744532]
 Sample 5772: [-0.21597994 0.82832549 0.48097292 4.23314437 3.93889575
 0.58636099
 2.66483085 -2.46590275 -1.95303506 -4.16109691 1.17333348 4.41717511
 4.08639152 -4.52890535 3.04177039 -3.34045994]
 Sample 5773: [-0.14270831 0.8304394 0.40587018 4.23162592 4.01992917
 0.61364982
 2.6919449 -2.38481849 -1.90104255 -4.18734705 1.28050422 4.38591748
 4.0518018 -4.50993817 3.00100428 -3.3306814]
 Sample 5774: [-0.2362046 0.84119086 0.45416587 4.20129377 4.03291861
 0.60093676
 2.68732687 -2.36264445 -1.8442384 -4.2701043 1.33846714 4.42073346
 4.03047051 -4.44562445 2.99929106 -3.29409657]
 Sample 5775: [-0.22938689 0.82340375 0.41844255 4.17104912 3.99090129
 0.68604166
 2.68668725 -2.31160377 -1.80338589 -4.26784308 1.32855446 4.43970326
 4.10256763 -4.41944478 2.92958299 -3.3089781]
 Sample 5776: [-0.22462138 0.85656974 0.42594061 4.25110291 3.92841316
 0.68700309
 2.80336878 -2.3441124 -1.82494698 -4.25788552 1.32593529 4.41232396
 4.1160417 -4.46809833 2.89327272 -3.23313555]
 Sample 5777: [-0.25985899 0.85962948 0.41517563 4.17110197 3.98814819
 0.66689
 2.84504049 -2.27613629 -1.91819217 -4.2282882 1.34690924 4.31332185
 4.05856728 -4.44007518 2.87423043 -3.30238596]
 Sample 5778: [-0.22969558 0.83024534 0.41525237 4.09268582 3.93544372
 0.7359295
 2.850124 -2.31988174 -1.93974571 -4.26840852 1.37947278 4.30889043
 4.12767249 -4.48373813 2.94661983 -3.29226165]

Sample 5779: [-0.30538436 0.86976729 0.43038771 4.09858371 4.04826943
 0.69859046
 2.89048279 -2.31230589 -1.89170418 -4.29446139 1.4632948 4.28630606
 4.12956842 -4.50005128 2.96631383 -3.35779414]
 Sample 5780: [-0.2634129 0.86090919 0.42544848 4.10290881 4.04819508
 0.75411262
 2.92350635 -2.3401276 -1.85243741 -4.23910631 1.52617637 4.3371194
 4.12762722 -4.49939706 2.92846629 -3.34264058]
 Sample 5781: [-0.29645184 0.86230646 0.41048598 4.11066716 4.0316428
 0.82173966
 2.87851117 -2.26810079 -1.87647721 -4.27963208 1.46877934 4.39535373
 4.16058836 -4.62426212 2.97326474 -3.29089571]
 Sample 5782: [-0.26701866 0.85070798 0.40908801 4.18943588 4.05719318
 0.78754146
 2.86336214 -2.27986002 -1.86579556 -4.33641368 1.43483127 4.34747766
 4.08258309 -4.64727554 2.90693563 -3.33859242]
 Sample 5783: [-0.34816769 0.82001496 0.42037128 4.17401769 4.05423002
 0.70902261
 2.81759092 -2.21343773 -1.89399381 -4.3569698 1.49543239 4.33991052
 4.09142772 -4.66895973 2.82519079 -3.34811783]
 Sample 5784: [-0.31371184 0.86696945 0.40301661 4.18366185 4.14507836
 0.7820623
 2.8612528 -2.18307473 -1.90273911 -4.42030994 1.50107612 4.35211369
 4.11472885 -4.62169701 2.87154692 -3.37215211]
 Sample 5785: [-0.3042068 0.80897378 0.38608108 4.22554343 4.12330644
 0.85583832
 2.7893322 -2.11444833 -1.86312698 -4.31154377 1.46829307 4.42310138
 4.03905403 -4.59653333 2.86864702 -3.3914292]
 Sample 5786: [-0.29592974 0.82245639 0.3931128 4.22337088 4.11423893
 0.82958543
 2.73873902 -2.14291227 -1.91779831 -4.27149873 1.48898165 4.40571933
 4.04525338 -4.5312062 2.8458158 -3.39287875]
 Sample 5787: [-0.26613188 0.81374624 0.38444549 4.14314229 4.07568379
 0.78233256
 2.74616415 -2.20597063 -1.97296058 -4.1938531 1.57319049 4.35758878
 4.06835988 -4.56141837 2.83588972 -3.32705179]
 Sample 5788: [-0.26021145 0.86544718 0.39402839 4.16259325 4.16546882
 0.74969511
 2.72323342 -2.23315003 -1.95603707 -4.1818164 1.63829827 4.474762
 4.06001605 -4.48615994 2.82259299 -3.33845048]
 Sample 5789: [-0.2447181 0.83981757 0.40695814 4.13805362 4.14425863
 0.71425054
 2.79205049 -2.30629989 -1.902686 -4.12884659 1.61789316 4.50220731
 3.99376396 -4.46794029 2.83321134 -3.38722797]
 Sample 5790: [-0.27692857 0.84491168 0.4355238 4.22636273 4.07969831
 0.69415639
 2.78975044 -2.32260731 -1.92920305 -4.12892395 1.62169249 4.50754569
 4.09387964 -4.44805538 2.81145342 -3.38767599]

Sample 5791: [-0.32627071 0.85831751 0.42208719 4.25568602 4.04481338
0.70803695
2.78185031 -2.31129441 -1.95739119 -4.08916652 1.5794015 4.57691624
4.03434213 -4.43251525 2.83347436 -3.34515851]

Sample 5792: [-0.23592293 0.83944183 0.41838943 4.20293603 4.04927982
0.74999634
2.81166311 -2.24107869 -1.95079689 -4.16910445 1.61957542 4.61851762
3.97144774 -4.39489812 2.80302744 -3.31477634]

Sample 5793: [-0.28562237 0.84040592 0.37518219 4.19870248 3.99399155
0.76750628
2.76504821 -2.21213138 -1.97450391 -4.29782821 1.62209258 4.65756624
3.91416933 -4.45553688 2.76433419 -3.33944079]

Sample 5794: [-0.29902886 0.8150185 0.43665317 4.16489145 3.97907578
0.74056262
2.71766648 -2.20872923 -1.96505127 -4.34356575 1.600809 4.62540933
3.93204695 -4.46818768 2.78355064 -3.39067923]

Sample 5795: [-0.26070841 0.85660196 0.3771892 4.19810437 3.94334548
0.75607032
2.72809492 -2.23115163 -1.9621755 -4.36527135 1.60920215 4.70077419
3.97506189 -4.49217249 2.76341972 -3.43495027]

Sample 5796: [-0.24418562 0.83520868 0.42293882 4.15961847 3.92629106
0.65639382
2.81226839 -2.17311177 -1.91271991 -4.37097867 1.58352132 4.7340832
3.99371883 -4.50174403 2.83100266 -3.4405622]

Sample 5797: [-0.26126238 0.89281461 0.37219076 4.21760382 3.95613146
0.61954298
2.78077502 -2.18271175 -1.89600176 -4.34597917 1.53924116 4.71067123
4.05196083 -4.4923419 2.72689864 -3.37954262]

Sample 5798: [-0.18180269 0.80872361 0.39669897 4.28092552 4.03928521
0.59521183
2.74355428 -2.1661685 -1.83487611 -4.33684851 1.52216815 4.77014731
4.02619479 -4.46611435 2.71875054 -3.36352895]

Sample 5799: [-0.27033972 0.87472448 0.401129 4.3160231 3.99851603
0.67522579
2.69951639 -2.23566752 -1.83096429 -4.34154176 1.51052833 4.80928103
3.96462658 -4.50307856 2.62086085 -3.32265535]

Sample 5800: [-0.28509688 0.8496028 0.42305004 4.24090164 3.95448293
0.71535939
2.74625661 -2.2147549 -1.8982225 -4.32766579 1.53626024 4.77594655
4.10188262 -4.54368034 2.51361396 -3.24923611]

Sample 5801: [-0.20577144 0.86907073 0.35972666 4.29042522 3.98440425
0.59503908
2.78634849 -2.24591617 -1.87815668 -4.27772378 1.557191 4.79392563
4.07668978 -4.54714838 2.54798114 -3.31811538]

Sample 5802: [-0.14833052 0.86357744 0.41488604 4.26053033 3.96933432
0.55709721
2.69077401 -2.35127737 -1.88576801 -4.30131862 1.48307858 4.78470838
4.03142782 -4.6073621 2.53907364 -3.20586397]

Sample 5803: [-0.1855958 0.85222589 0.36414371 4.20516085 3.89956031
 0.4998084
 2.66530472 -2.36485545 -1.87959052 -4.36264969 1.48703585 4.79843037
 4.07198664 -4.65202523 2.62233846 -3.08267817]
 Sample 5804: [-0.16192693 0.86722954 0.42846628 4.33324041 3.79439008
 0.54790322
 2.62260835 -2.39228285 -1.90841553 -4.32897813 1.50027236 4.80087157
 4.01592645 -4.60959766 2.51655326 -3.11815631]
 Sample 5805: [-0.19338326 0.82623264 0.3491807 4.27903408 3.84168133
 0.64747934
 2.63440473 -2.35375813 -1.82260782 -4.32848551 1.5211966 4.76377472
 4.08769217 -4.64987233 2.51284133 -3.11077514]
 Sample 5806: [-0.26563641 0.84419419 0.45936363 4.25339723 3.85213226
 0.61380475
 2.62285068 -2.37571538 -1.7338107 -4.38223111 1.5365145 4.78330194
 4.08854439 -4.58981856 2.39516799 -3.09306598]
 Sample 5807: [-0.29670669 0.8304926 0.39767176 4.2525093 3.82638361
 0.73427852
 2.55631052 -2.35810861 -1.74982023 -4.4191295 1.51950627 4.81450329
 4.13719392 -4.58979871 2.3857876 -3.08735377]
 Sample 5808: [-0.26866847 0.8123125 0.46239981 4.19952324 3.8467408
 0.70930913
 2.56759626 -2.44814904 -1.59895104 -4.42740003 1.54327898 4.82437226
 4.08961861 -4.56583893 2.31502727 -3.15662592]
 Sample 5809: [-0.26499412 0.83715408 0.43746279 4.18486755 3.79754084
 0.8003561
 2.57501103 -2.45640316 -1.56805875 -4.40290964 1.54981364 4.77229405
 4.04657163 -4.50221587 2.35490177 -3.13175866]
 Sample 5810: [-0.24198432 0.80369294 0.41082248 4.31417121 3.76131759
 0.85218762
 2.59965121 -2.40198636 -1.52076106 -4.41558056 1.46431626 4.70487201
 3.95410274 -4.41882216 2.41562244 -3.21239935]
 Sample 5811: [-0.20993162 0.82516208 0.48905223 4.32868493 3.75465868
 0.84883109
 2.61366441 -2.42232539 -1.41123577 -4.3407178 1.45430859 4.67412809
 3.97441717 -4.48192092 2.47015065 -3.354078]
 Sample 5812: [-0.24705104 0.78991945 0.44992228 4.30564957 3.69771981
 0.85020481
 2.56755819 -2.52110774 -1.52083821 -4.35333777 1.53432347 4.64957859
 4.02222054 -4.51596314 2.39145409 -3.31381485]
 Sample 5813: [-0.24049056 0.78747464 0.46951412 4.25969189 3.69218322
 0.81327468
 2.41749244 -2.53499419 -1.52329548 -4.30708372 1.48113035 4.76313526
 4.02678668 -4.4976876 2.44348493 -3.18537756]
 Sample 5814: [-0.24048226 0.7823704 0.48306097 4.32355333 3.65368871
 0.76132622
 2.37914196 -2.57424497 -1.52864629 -4.28243746 1.49303483 4.80261169
 4.08745255 -4.58210526 2.56953998 -3.10839329]

Sample 5815: [-0.32069796 0.76542867 0.46269956 4.30942378 3.65023093
 0.77233072
 2.34782069 -2.60682562 -1.54437708 -4.3463338 1.46410598 4.91141334
 4.00073064 -4.58041219 2.5643942 -3.01303478]
 Sample 5816: [-0.29261353 0.77032753 0.52367856 4.35694745 3.68145104
 0.73380135
 2.31247895 -2.7130506 -1.55573739 -4.36107702 1.58501885 4.88778435
 3.97845367 -4.5756305 2.58486156 -3.06021985]
 Sample 5817: [-0.20386059 0.76780871 0.42891212 4.37434529 3.67143399
 0.7586678
 2.27187722 -2.6921204 -1.60107298 -4.36624564 1.53768831 4.88713061
 3.97150718 -4.49273518 2.53997414 -3.06454045]
 Sample 5818: [-0.20529999 0.78883675 0.50213672 4.38088762 3.69141648
 0.71434791
 2.21357022 -2.69164527 -1.56319003 -4.3755678 1.52870328 4.8233053
 3.97732154 -4.53455484 2.56625246 -3.00849049]
 Sample 5819: [-0.24730562 0.74743402 0.46356142 4.42185747 3.64822067
 0.64935184
 2.29187821 -2.7222607 -1.5367775 -4.27091902 1.6422351 4.87728395
 3.97658291 -4.55581606 2.54394749 -2.9902948]
 Sample 5820: [-0.25747634 0.8167075 0.49772033 4.48803878 3.6349169
 0.74139032
 2.39645831 -2.7296709 -1.55396401 -4.29814673 1.72148274 4.90619669
 3.92452121 -4.5997117 2.55525582 -2.96349282]
 Sample 5821: [-0.30931344 0.78612027 0.50396728 4.47366867 3.67331691
 0.70722001
 2.32483933 -2.81091651 -1.63879761 -4.31032497 1.72825037 4.89682271
 3.93892633 -4.65738449 2.5295821 -2.95446867]
 Sample 5822: [-0.29436007 0.75826212 0.53335346 4.47775573 3.68789063
 0.6649036
 2.3316447 -2.82841619 -1.57578461 -4.34512849 1.84556796 4.96511149
 3.95230939 -4.60725208 2.56291566 -3.01650081]
 Sample 5823: [-0.32136348 0.77475673 0.49524858 4.41960953 3.60739233
 0.59006085
 2.27454319 -2.71548952 -1.51224995 -4.34703845 1.87217756 4.99362024
 3.96683968 -4.57224853 2.51711457 -3.02800871]
 Sample 5824: [-0.32538332 0.78969867 0.50946483 4.51474991 3.59610563
 0.63115857
 2.32814086 -2.68487474 -1.512108 -4.32117852 1.94289941 4.91562773
 3.95520456 -4.59136481 2.53295109 -3.04569428]
 Sample 5825: [-0.35539435 0.77403695 0.47421176 4.53422868 3.64867554
 0.61183781
 2.33190673 -2.55563944 -1.58431441 -4.32924834 1.82358648 4.92696948
 3.98003081 -4.52811966 2.50771221 -3.01738327]
 Sample 5826: [-0.30146279 0.77099851 0.48432031 4.4919542 3.63054621
 0.49848483
 2.3000021 -2.5579963 -1.57694879 -4.31476377 1.82131004 4.88026279
 3.98171966 -4.6017023 2.48398489 -2.98827694]

Sample 5827: [-0.26420129 0.7599096 0.45495539 4.59357631 3.63969792
 0.50585629
 2.26738671 -2.55575191 -1.57124459 -4.36391094 1.83361263 4.92925108
 4.054976 -4.63536647 2.49010531 -3.07020669]
 Sample 5828: [-0.26101338 0.7631366 0.47248568 4.66408963 3.69670589
 0.52667533
 2.23245885 -2.58712328 -1.53597619 -4.42712512 1.82594902 4.94972741
 4.03872525 -4.60239032 2.42002911 -3.11797518]
 Sample 5829: [-0.25228975 0.73005852 0.46241676 4.62517536 3.78782015
 0.46104395
 2.16865746 -2.56805228 -1.59260822 -4.40591173 1.89160172 4.92750783
 3.98178332 -4.57142344 2.38912371 -3.13061818]
 Sample 5830: [-0.24277174 0.77050956 0.46663925 4.7100769 3.7578462
 0.41417416
 2.24830666 -2.51949081 -1.54662966 -4.39520097 1.86388886 4.91460136
 3.90225907 -4.57092952 2.37521497 -3.0614196]
 Sample 5831: [-0.2182872 0.77820778 0.44991317 4.72479602 3.70302726
 0.37790256
 2.28926603 -2.55261637 -1.52489223 -4.45544583 1.877212 4.87532168
 3.86979761 -4.62752935 2.44280997 -3.08415069]
 Sample 5832: [-0.24490021 0.81005216 0.49526421 4.63506527 3.64763715
 0.43690823
 2.3786718 -2.57600537 -1.54562213 -4.47350238 1.90725406 4.82184763
 3.91550603 -4.56565612 2.50929699 -3.17219521]
 Sample 5833: [-0.20291154 0.75687612 0.44935849 4.6488501 3.71698416
 0.48665257
 2.41005918 -2.66628047 -1.57056585 -4.47570216 1.85545402 4.72233104
 3.96139595 -4.65378546 2.57283088 -3.27491559]
 Sample 5834: [-0.22824106 0.80235138 0.4961984 4.63060632 3.74897082
 0.53017896
 2.40175586 -2.65408717 -1.48912497 -4.49403563 1.87649189 4.73747347
 3.92394981 -4.79643692 2.64519622 -3.2512701]
 Sample 5835: [-0.2170779 0.75378109 0.49778 4.62306222 3.74927681
 0.45544057
 2.3304164 -2.73428079 -1.47671589 -4.60594879 1.87903054 4.66047236
 3.94819162 -4.81736724 2.64867339 -3.21658786]
 Sample 5836: [-0.22627249 0.80042763 0.49353628 4.62893267 3.73506861
 0.37202588
 2.38023898 -2.67226586 -1.42934913 -4.55109364 1.89625814 4.61790333
 3.92890568 -4.82295102 2.64429774 -3.18149085]
 Sample 5837: [-0.23264328 0.76947794 0.49833376 4.60780974 3.67304916
 0.39194762
 2.41156287 -2.64916329 -1.46504555 -4.56016628 1.88126794 4.6086863
 3.89222136 -4.82508065 2.65004243 -3.17957293]
 Sample 5838: [-0.22471791 0.81016584 0.48910466 4.57499221 3.64645924
 0.2934275
 2.42710094 -2.67479448 -1.35522863 -4.59297932 1.80366025 4.61793419
 4.00575696 -4.86884401 2.59436157 -3.15157393]

Sample 5839: [-0.22290599 0.76987127 0.50628536 4.56289128 3.76463614
0.35716005
2.3744787 -2.66617628 -1.38297256 -4.67679343 1.81987398 4.70323079
3.94932325 -4.86599875 2.59495412 -3.19084261]
Sample 5840: [-0.19632677 0.81159302 0.44375406 4.58477295 3.76687161
0.42721106
2.42314546 -2.6559744 -1.31557599 -4.73705831 1.84403158 4.71562708
3.94939881 -4.82558236 2.59206885 -3.14333299]
Sample 5841: [-0.21243158 0.80304037 0.52139481 4.62860947 3.74563474
0.34365752
2.43019012 -2.67080625 -1.29840043 -4.76210406 1.70773305 4.76210178
3.87980808 -4.79618608 2.51027689 -3.17570662]
Sample 5842: [-0.1685215 0.80521268 0.47233077 4.65871823 3.67034611
0.23706378
2.39897417 -2.63949724 -1.22363106 -4.72959548 1.66272009 4.69323984
3.86147202 -4.71984949 2.503055 -3.22140368]
Sample 5843: [-0.17800978 0.81398171 0.53222686 4.56283346 3.68845812
0.22795735
2.38745871 -2.70421382 -1.25954381 -4.78989047 1.60712845 4.64884438
3.83794943 -4.72520245 2.5697111 -3.22826247]
Sample 5844: [-0.16411815 0.82045146 0.49091529 4.6089843 3.72273402
0.07350975
2.33957105 -2.69874899 -1.29594467 -4.93462006 1.56653563 4.68150395
3.85141263 -4.67740715 2.5264838 -3.22073649]
Sample 5845: [-0.16890602 0.84367087 0.52122737 4.69109757 3.63332771
0.02367661
2.33599078 -2.65358155 -1.17379408 -4.89917066 1.5904411 4.66892521
3.95147646 -4.64438214 2.5537647 -3.12365526]
Sample 5846: [-0.22127272 0.7764389 0.50846663 4.74372836 3.53593872
0.07488046
2.30707116 -2.75613694 -1.17261942 -4.89873339 1.47101608 4.73840345
3.94860964 -4.68380938 2.50989097 -3.07370182]
Sample 5847: [-0.1803665 0.80751265 0.53526774 4.79003643 3.44171065
0.16372857
2.30977927 -2.75121707 -1.17700788 -4.87314379 1.4839171 4.75503114
3.92045364 -4.67298001 2.53103293 -3.05075787]
Sample 5848: [-0.16459326 0.8262474 0.50763384 4.74973884 3.42411516
0.18940374
2.17119208 -2.78395986 -1.09337739 -4.86486857 1.51297662 4.73319035
3.95656578 -4.73464486 2.39757486 -2.98428337]
Sample 5849: [-0.17185947 0.79014473 0.54792247 4.74452291 3.45939614
0.20058761
2.19118109 -2.80151667 -1.11788513 -4.80984823 1.43950544 4.73615254
3.88764926 -4.67461179 2.36208457 -2.97856901]
Sample 5850: [-0.19194626 0.76399655 0.53847761 4.72910595 3.43679813
0.26513266
2.19021729 -2.91590771 -1.13533913 -4.78542821 1.55931907 4.70721669
3.89221106 -4.74348641 2.34276173 -2.99246046]

Sample 5851: [-0.21703498 0.7692941 0.55828594 4.70945676 3.41695795
 0.20258459
 2.2428539 -2.92944287 -1.07569346 -4.81336082 1.56186911 4.64997669
 3.93274172 -4.68206603 2.25179429 -2.97098084]
 Sample 5852: [-0.20895033 0.77342614 0.54839957 4.81152287 3.36274633
 0.20321611
 2.22086808 -2.92314014 -1.09088946 -4.79092871 1.57872928 4.7571552
 4.01310837 -4.60108661 2.30805999 -3.01129044]
 Sample 5853: [-0.21297838 0.79884707 0.56586507 4.82196817 3.38280805
 0.17104659
 2.24848013 -2.96403497 -1.05965651 -4.74797357 1.58145306 4.83840726
 4.01600684 -4.60920205 2.25279797 -2.97755226]
 Sample 5854: [-0.24504255 0.77309281 0.53987031 4.90768467 3.43748953
 0.1630595
 2.2322707 -2.86840441 -0.95406099 -4.72205759 1.67242087 4.85386797
 4.00541215 -4.60269958 2.2771614 -2.99517765]
 Sample 5855: [-0.19303568 0.80854557 0.52555655 4.92584727 3.38747243
 0.0770495
 2.18945167 -2.77787846 -0.92768693 -4.75091943 1.62556521 4.8469723
 4.06012794 -4.50265471 2.29085601 -2.87642968]
 Sample 5856: [-0.2478221 0.79409105 0.50170605 4.93820307 3.37588984
 0.01976471
 2.25886688 -2.70332866 -0.93112972 -4.71435963 1.60044924 4.89167496
 4.07207609 -4.54248225 2.33904837 -2.83273434]
 Sample 5857: [-2.70791604e-01 8.38217676e-01 5.24487487e-01 4.98791012e+00
 3.36798267e+00 4.10181450e-03 2.20029832e+00 -2.69442285e+00
 -8.78310209e-01 -4.65674079e+00 1.62876074e+00 4.87409830e+00
 4.05090037e+00 -4.56461681e+00 2.32749555e+00 -2.82739301e+00]
 Sample 5858: [-0.17166173 0.80486562 0.49321333 4.95254526 3.44764833
 0.03585755
 2.22701146 -2.72515154 -0.84119954 -4.70494661 1.6379003 4.90981616
 4.00629753 -4.61992607 2.33429924 -2.84977976]
 Sample 5859: [-0.28664213 0.8130844 0.53587286 4.99547008 3.42891047
 0.03975495
 2.22224721 -2.73908013 -0.9756472 -4.70818371 1.62787728 4.84368479
 4.0021952 -4.59228815 2.3095315 -2.81578762]
 Sample 5860: [-0.2337563 0.78857826 0.50870148 4.98987466 3.46794337
 0.02756365
 2.27161638 -2.76671857 -1.03396489 -4.6879609 1.60852426 4.82258338
 3.97813392 -4.54775888 2.34810013 -2.71901899]
 Sample 5861: [-0.20862369 0.86694699 0.52405845 4.9742432 3.52214628
 0.13503187
 2.28302131 -2.71438285 -0.98816323 -4.73258232 1.64909208 4.88361891
 3.96436314 -4.65449455 2.30010267 -2.77340542]
 Sample 5862: [-0.19900905 0.84730029 0.49501232 4.92819749 3.59807842
 0.07343506
 2.25790899 -2.76673362 -1.05195485 -4.70102635 1.62188525 4.94832613
 3.90966886 -4.69159628 2.18384203 -2.80917111]

Sample 5863: [-0.25799177 0.84140006 0.53465856 4.94625912 3.61951779
0.11887197
2.30093843 -2.69962286 -1.08919053 -4.70080176 1.62878207 4.90558032
3.97605866 -4.76799279 2.11633047 -2.80910233]
Sample 5864: [-0.29366808 0.78062784 0.50307991 4.99753603 3.58980894
0.04100411
2.35219178 -2.72631735 -0.9775248 -4.72126263 1.61931884 4.85912216
4.00281567 -4.79480954 2.02488234 -2.78494047]
Sample 5865: [-0.33628342 0.81547154 0.54214204 5.02353964 3.73571861
0.08522795
2.30281821 -2.75505991 -0.91399298 -4.79473408 1.62907394 4.79266703
4.07420234 -4.81322415 1.96024202 -2.78198893]
Sample 5866: [-0.41183269 0.79483729 0.49577467 5.00306872 3.80524501
-0.02055492
2.33692915 -2.67718192 -0.94382316 -4.78154362 1.61078182 4.86821621
4.08603797 -4.82570757 2.02879487 -2.73045431]
Sample 5867: [-0.35404881 0.77913529 0.53820366 5.00707263 3.73472132
-0.02525501
2.27131539 -2.67735474 -0.95200226 -4.68871404 1.66179879 4.9465404
4.24784179 -4.87450137 2.05318701 -2.73677005]
Sample 5868: [-0.37845172 0.79838303 0.50945665 5.01924807 3.70438869
-0.0624974
2.28579692 -2.73997714 -0.88083526 -4.63148613 1.66311692 4.95530619
4.30057734 -4.80016508 2.03666286 -2.75398603]
Sample 5869: [-0.36378738 0.77398878 0.55126391 5.02384577 3.7062627
-0.11118526
2.24485258 -2.78058492 -0.87571518 -4.65211341 1.65912027 4.94261367
4.23358517 -4.85930168 2.05908143 -2.76683019]
Sample 5870: [-0.37769601 0.79369498 0.51218372 4.95875847 3.6505915
-0.09953642
2.30104195 -2.77059913 -0.85427898 -4.67085466 1.67945821 4.99078832
4.17403859 -4.84427361 2.01987721 -2.77861394]
Sample 5871: [-0.40048355 0.79105029 0.54406785 4.93372049 3.67819494
-0.12192611
2.28810758 -2.71036929 -0.84945114 -4.62574361 1.74162107 5.06467559
4.25807645 -4.86055489 2.02451468 -2.90326748]
Sample 5872: [-0.34237233 0.79450797 0.51398495 4.93170621 3.66303859
-0.06989428
2.31508834 -2.73575427 -0.72787996 -4.55642158 1.78207438 5.03107337
4.26286135 -4.88238292 2.00260675 -2.82548261]
Sample 5873: [-0.29433887 0.82040945 0.53814707 4.87898612 3.7322945
-0.0832441
2.25119781 -2.75258534 -0.76363763 -4.59139734 1.86142448 5.00310132
4.25599195 -4.87607424 2.02477561 -2.79600177]
Sample 5874: [-0.30188793 0.80535254 0.51579606 4.94566229 3.75377319
-0.12824179
2.23704836 -2.78523045 -0.76009875 -4.56266772 1.88318713 5.01514646
4.2288433 -4.84435124 2.03195281 -2.86811234]

Sample 5875: [-0.34787036 0.79296581 0.55197051 5.01421526 3.8298549
 -0.0723177
 2.25533603 -2.89551388 -0.74462799 -4.62226264 1.84528209 5.05412657
 4.21274555 -4.76659815 2.05050453 -2.86974717]
 Sample 5876: [-0.22877655 0.82911485 0.57019182 4.94436782 3.84471016
 -0.08299198
 2.28406132 -2.9678328 -0.73991023 -4.50966679 1.9321231 5.00153065
 4.24602186 -4.78608012 1.99016697 -2.82634885]
 Sample 5877: [-0.25439921 0.84641033 0.56299986 4.86908301 3.85513206
 -0.09596749
 2.26217524 -2.99995556 -0.67477017 -4.45575701 1.93413631 4.96192303
 4.21185867 -4.76243421 1.98259787 -2.81764471]
 Sample 5878: [-0.25329569 0.84314733 0.57413016 4.91369542 3.86400846
 -0.12616118
 2.35371497 -2.93785225 -0.59967731 -4.44708469 1.87288989 4.95387109
 4.22656546 -4.82395802 2.06109832 -2.77958858]
 Sample 5879: [-0.21581238 0.89976458 0.53193573 4.81195408 3.91655476
 -0.07327665
 2.35625944 -2.93090448 -0.67658349 -4.51839706 1.85755331 4.98828425
 4.27182937 -4.76988624 2.07760695 -2.78395942]
 Sample 5880: [-0.24071003 0.85943223 0.57532808 4.79582034 3.8661917
 -0.02715748
 2.29355219 -2.94410251 -0.7263866 -4.4650836 1.84533421 4.99967229
 4.31311127 -4.81295534 2.10003382 -2.78961077]
 Sample 5881: [-0.25030047 0.86800889 0.53052063 4.88809629 3.86980816
 0.01618923
 2.29121653 -2.90196164 -0.74344249 -4.38318075 1.88925064 5.02402659
 4.26099986 -4.74657446 2.04511303 -2.80781585]
 Sample 5882: [-2.05786322e-01 8.53162210e-01 5.41874657e-01 4.89161522e+00
 3.84043882e+00 1.81384226e-03 2.34089744e+00 -2.86814879e+00
 -7.61997546e-01 -4.40967022e+00 1.81865367e+00 4.92130456e+00
 4.24008155e+00 -4.76856496e+00 2.01021232e+00 -2.79206362e+00]
 Sample 5883: [-0.29080969 0.80069312 0.53088454 5.01182969 3.79078952
 0.07075723
 2.3655782 -2.87412746 -0.70405407 -4.31330599 1.85645904 4.9452273
 4.2486577 -4.69642119 2.09094305 -2.81922434]
 Sample 5884: [-0.35099365 0.82855239 0.5595297 5.04351513 3.7957979
 0.0847932
 2.32155982 -2.81505552 -0.76532276 -4.37527875 1.9642698 4.97829414
 4.31678761 -4.68470123 2.08635416 -2.79825355]
 Sample 5885: [-0.32430891 0.80877663 0.52827932 5.05592928 3.79393855
 0.05240271
 2.37486051 -2.85527004 -0.7523051 -4.35489297 1.90047992 5.08954017
 4.34512345 -4.79579348 2.15178365 -2.75373069]
 Sample 5886: [-0.3500894 0.82696733 0.55696881 5.11620537 3.68890261
 0.03962211
 2.38227636 -2.83091951 -0.76759649 -4.3726404 1.82605334 5.08260368
 4.34378831 -4.77832111 2.16721672 -2.71148586]

Sample 5887: [-0.31757591 0.85503204 0.53659396 5.07563819 3.72762057
 -0.06108452
 2.41696222 -2.88725723 -0.81904757 -4.38897311 1.82349214 5.1148168
 4.39798887 -4.83803779 2.19148029 -2.74366735]
 Sample 5888: [-0.31109611 0.85345047 0.55644652 5.07729685 3.77867877
 -0.05159903
 2.43611989 -2.83060621 -0.76814319 -4.35033457 1.80994579 5.09034144
 4.4088987 -4.92217159 2.24912787 -2.78223849]
 Sample 5889: [-0.32213677 0.83926202 0.52580153 5.03930683 3.73321404
 -0.06814145
 2.42436342 -2.85573869 -0.82099831 -4.26475423 1.85069457 5.13147083
 4.36836874 -4.92600204 2.17890078 -2.78365327]
 Sample 5890: [-0.25926745 0.87824222 0.56934571 5.00707968 3.82649557
 -0.05997834
 2.415946 -2.8705967 -0.76294781 -4.29366239 1.880718 5.17977817
 4.34019955 -4.93460465 2.15509682 -2.74104677]
 Sample 5891: [-0.31411404 0.84847981 0.53619163 5.10089291 3.86213079
 -0.06618225
 2.33732485 -2.92489272 -0.75842555 -4.24357359 1.87626638 5.16848212
 4.30922807 -4.84628129 2.21608019 -2.71669492]
 Sample 5892: [-0.34868894 0.8397311 0.58825782 5.174866 3.85047911
 -0.07814025
 2.46459023 -2.91765393 -0.8556353 -4.21947237 1.86999728 5.14388011
 4.34154956 -4.88079126 2.20163135 -2.68104765]
 Sample 5893: [-0.36010293 0.8797048 0.52944698 5.11117172 3.81295109
 -0.07563952
 2.44516855 -2.88184469 -0.88565402 -4.27428063 1.92611387 5.13109307
 4.35351953 -4.86865016 2.18303328 -2.71988488]
 Sample 5894: [-0.28208898 0.85003948 0.57048607 5.10734723 3.84609186
 -0.06627869
 2.40451343 -2.85000244 -0.93557977 -4.31584034 1.81151875 5.17264877
 4.28275677 -4.85801853 2.16413498 -2.72279419]
 Sample 5895: [-0.24961602 0.87327722 0.50647726 5.10622852 3.90342086
 -0.10202951
 2.30173218 -2.84833212 -0.91858971 -4.35016044 1.73941089 5.2007444
 4.22162795 -4.85018957 2.19619272 -2.79262968]
 Sample 5896: [-0.21913961 0.86192007 0.56446113 5.1130196 3.93534421
 -0.09511812
 2.29789503 -2.80687422 -0.88478576 -4.31355102 1.71701346 5.28700779
 4.21692643 -4.89460826 2.18353336 -2.77934631]
 Sample 5897: [-0.27271286 0.83210548 0.51423649 5.1264303 3.90447944
 -0.0834739
 2.30091784 -2.86704767 -0.86336228 -4.27205862 1.84576093 5.33594036
 4.16011744 -4.89571767 2.14249392 -2.78647801]
 Sample 5898: [-0.24600319 0.85837703 0.57033019 5.02346212 3.81093842
 -0.11806116
 2.2645223 -2.83585983 -0.91812879 -4.27052566 1.94875995 5.31725747
 4.09890758 -4.91985157 2.18313189 -2.78784586]

Sample 5899: [-0.23978141 0.88644733 0.51015976 4.96477765 3.8445852
 -0.15727924
 2.24936622 -2.84992265 -0.91604889 -4.32618855 1.92127352 5.27732295
 4.17064088 -4.9327832 2.09788455 -2.79532328]
 Sample 5900: [-0.30207188 0.88662043 0.57779265 5.05400828 3.92273851
 -0.12712758
 2.2948289 -2.79227544 -0.91102866 -4.33066061 1.94753656 5.26280698
 4.0834504 -4.90433468 2.08285677 -2.88121914]
 Sample 5901: [-0.20499279 0.8874936 0.47897394 5.05451318 3.96983225
 -0.04530702
 2.33350975 -2.78541056 -0.9652471 -4.31052347 1.87371082 5.29817055
 4.16007714 -4.90374373 2.05212168 -2.82160535]
 Sample 5902: [-0.23583422 0.89171754 0.55093982 5.07288461 3.93572527
 -0.09526269
 2.20385817 -2.78036911 -0.88759138 -4.27002261 1.93571964 5.28221803
 4.26360977 -4.82909402 2.12352302 -2.77716135]
 Sample 5903: [-0.23330277 0.85024268 0.49202762 5.08486068 3.90648576
 -0.06559425
 2.22305899 -2.83603739 -0.84491936 -4.33759878 1.9505259 5.33260441
 4.27303299 -4.83103893 2.17559183 -2.72198312]
 Sample 5904: [-0.23113807 0.84024533 0.54061776 5.15711211 3.8213335
 -0.0753247
 2.18126099 -2.77557799 -0.88328773 -4.35198029 1.91653897 5.31448189
 4.23014862 -4.87410482 2.17562513 -2.78688184]
 Sample 5905: [-0.29438032 0.80953325 0.50776163 5.18981235 3.75573034
 -0.01926189
 2.08736587 -2.76700243 -0.86991931 -4.31746358 1.96601505 5.34423369
 4.21942266 -4.7755411 2.06895839 -2.70682013]
 Sample 5906: [-0.26067124 0.78358509 0.53544798 5.25847647 3.73587547
 -0.06500934
 2.13502134 -2.73796618 -0.87391471 -4.28056977 1.87464467 5.3158408
 4.15839482 -4.76892996 2.03908434 -2.69549986]
 Sample 5907: [-0.28739188 0.81059249 0.48849703 5.22594222 3.67824902
 0.11533724
 2.04201965 -2.72043283 -0.80964813 -4.35720658 1.88210549 5.32170708
 4.21801246 -4.74372756 2.07077235 -2.61402521]
 Sample 5908: [-0.26322335 0.84759663 0.52960832 5.23562567 3.6815571
 0.23877952
 2.06819599 -2.71658199 -0.75741478 -4.36056826 1.92574366 5.35436772
 4.22973491 -4.75092101 2.10142461 -2.69831082]
 Sample 5909: [-0.29875048 0.81816501 0.4944394 5.26089653 3.66395582
 0.26269083
 2.0776641 -2.76545203 -0.73671985 -4.3617984 1.87671014 5.42269607
 4.19551064 -4.73651587 2.07868732 -2.64800988]
 Sample 5910: [-0.25897262 0.78429751 0.52267771 5.28629458 3.62291198
 0.27340996
 2.07166943 -2.75805075 -0.73753041 -4.33568959 1.81247744 5.44329105
 4.15852919 -4.71701074 1.94263058 -2.6578765]

Sample 5911: [-0.30694049 0.76930148 0.50092125 5.32518063 3.62026069
 0.22323974
 2.10446258 -2.80818794 -0.73830781 -4.27856393 1.78282973 5.42664036
 4.17225755 -4.81068933 2.0067749 -2.60426397]
 Sample 5912: [-0.43769525 0.7900298 0.57982347 5.34046681 3.65914594
 0.18087738
 2.10741269 -2.86029163 -0.79602474 -4.18284689 1.78250368 5.42471517
 4.10347982 -4.80078325 1.99706009 -2.54152523]
 Sample 5913: [-0.45336675 0.75208594 0.53016116 5.39413369 3.59636626
 0.18578841
 2.15144006 -2.88814945 -0.81646456 -4.1638657 1.85975721 5.36339737
 4.07342779 -4.83707834 1.98145935 -2.54486427]
 Sample 5914: [-0.3993531 0.82076413 0.57483861 5.35916439 3.57617691
 0.19022345
 2.10255466 -2.83925962 -0.84089389 -4.19313916 1.9261725 5.38686491
 4.10896614 -4.80389338 2.05178602 -2.6510779]
 Sample 5915: [-0.39788429 0.73587446 0.51409115 5.40233173 3.65442084
 0.11506
 2.06072081 -2.81430813 -0.82544014 -4.21544444 1.89646794 5.38828147
 4.07505809 -4.80837687 2.05936421 -2.63552923]
 Sample 5916: [-0.45835624 0.74300962 0.57365089 5.45782082 3.62684054
 0.09397171
 1.98581064 -2.81049664 -0.82634934 -4.26479767 1.9281856 5.42283008
 4.01986793 -4.80897008 2.06865728 -2.60215111]
 Sample 5917: [-0.49070324 0.73344693 0.51498362 5.43799608 3.61046859
 0.1236935
 1.90101418 -2.81957825 -0.79303156 -4.27974194 1.89999021 5.35333696
 4.11351073 -4.85517119 2.20121359 -2.60961372]
 Sample 5918: [-0.53005023 0.70215209 0.57795676 5.50342362 3.66050169
 0.09870495
 1.92714378 -2.83864532 -0.79791989 -4.23572969 1.89721607 5.28216382
 4.15316118 -4.8158611 2.16364867 -2.60874605]
 Sample 5919: [-0.48469391 0.72362695 0.5111068 5.50931311 3.66090666
 0.1073785
 1.90349683 -2.79752983 -0.81923955 -4.20132708 1.88720611 5.29091333
 4.16343227 -4.80177533 2.12681228 -2.555284]
 Sample 5920: [-0.47682821 0.69466402 0.58434583 5.56836448 3.71572597
 0.15975713
 1.8042604 -2.87648247 -0.88286886 -4.22897241 1.83418988 5.3423346
 4.24627539 -4.77441079 2.057831 -2.59486579]
 Sample 5921: [-0.44774942 0.74078715 0.5218121 5.50047998 3.62981334
 0.17957244
 1.80608008 -2.85148927 -0.88540216 -4.17315618 1.81457968 5.31340153
 4.33376864 -4.78387071 2.08996635 -2.66262398]
 Sample 5922: [-0.46560733 0.65406622 0.59908178 5.49421028 3.6191472
 0.12118404
 1.81514033 -2.95339319 -0.93387458 -4.15370295 1.81853271 5.31053098
 4.27015687 -4.77033059 2.09927241 -2.61376006]

Sample 5923: [-0.48544379 0.74218011 0.53635967 5.54181944 3.56087528
0.10226991
1.83619756 -2.94101238 -0.89421164 -4.25734245 1.83907714 5.30062514
4.25240595 -4.69000243 2.12355812 -2.57635214]

Sample 5924: [-0.46029439 0.65821877 0.59176619 5.49245064 3.51284086
0.09045153
1.83305463 -2.91476814 -0.94323933 -4.21759118 1.78667204 5.40093035
4.24881871 -4.66405721 2.12500187 -2.56204586]

Sample 5925: [-0.33145401 0.78069688 0.54210451 5.52402365 3.49381747
0.08940744
1.87427011 -2.97678259 -0.91080452 -4.21082031 1.75952904 5.45053573
4.31542666 -4.61526394 2.15542485 -2.5298751]

Sample 5926: [-0.34453703 0.73869469 0.5861777 5.46872838 3.42817862
0.10139535
1.96812132 -2.94518208 -1.0083107 -4.29098262 1.73763848 5.44399384
4.34168696 -4.5066234 2.1162117 -2.52701365]

Sample 5927: [-0.3369646 0.74167459 0.53548337 5.44660228 3.43435768
0.14973926
1.94176268 -2.95690895 -0.96013791 -4.36065543 1.69530032 5.54544966
4.38501422 -4.45954067 2.09992615 -2.46441035]

Sample 5928: [-0.3151939 0.81297956 0.58030604 5.41280478 3.40086501
0.2238788
2.08627266 -2.95432583 -1.03849246 -4.31224296 1.79453441 5.59935243
4.43754595 -4.42159961 2.12721124 -2.46789821]

Sample 5929: [-0.36821699 0.7767207 0.53147754 5.35561774 3.42826146
0.24830699
2.11255874 -2.95438995 -1.0861936 -4.25771229 1.67490359 5.57545095
4.44202223 -4.42973017 2.10700454 -2.45180445]

Sample 5930: [-0.34867979 0.85826011 0.55994256 5.31856928 3.43221702
0.26135751
2.03830715 -2.90966611 -1.00061233 -4.21619695 1.67405601 5.5327669
4.44466397 -4.37748106 2.06205271 -2.42862348]

Sample 5931: [-0.33876733 0.87536536 0.53253266 5.31824344 3.47600542
0.30297207
2.06552221 -2.96950956 -1.00872058 -4.20381325 1.70154036 5.51976875
4.42682403 -4.46911234 2.00058999 -2.45031227]

Sample 5932: [-0.37624872 0.81902755 0.57445147 5.28318956 3.45318351
0.35620677
2.12339195 -2.96731541 -1.03030937 -4.1660292 1.60214711 5.40386526
4.48843868 -4.46877056 1.96136457 -2.49263108]

Sample 5933: [-0.43145481 0.7754367 0.55122718 5.37392526 3.33383231
0.48494616
2.17017596 -3.00910488 -1.02360392 -4.173401 1.66122931 5.50930547
4.4023073 -4.53586997 1.98070327 -2.4235632]

Sample 5934: [-0.45300538 0.82542981 0.56608935 5.42154405 3.3665112
0.50159669
2.19309895 -2.9052916 -0.99364705 -4.15498284 1.65604482 5.47092638
4.45411323 -4.50339766 1.93738172 -2.47545738]

Sample 5935: [-0.48300505 0.73255885 0.53070292 5.39491975 3.33002701
 0.51820856
 2.08115502 -2.85062131 -1.02103216 -4.10199942 1.67373213 5.49195823
 4.49359982 -4.48858704 1.88492331 -2.45123665]
 Sample 5936: [-0.48288761 0.82000307 0.5596447 5.31472885 3.25346403
 0.52277581
 2.15657281 -2.85976924 -0.94561425 -4.04827508 1.74674805 5.42769574
 4.5071937 -4.53162053 1.86980676 -2.50208899]
 Sample 5937: [-0.48236604 0.79389146 0.51841301 5.35399004 3.21736609
 0.5349656
 2.0914624 -2.83062224 -0.87363596 -3.98428525 1.80427601 5.32845322
 4.49210064 -4.43787619 1.89142493 -2.53299198]
 Sample 5938: [-0.45927022 0.76821003 0.54704763 5.24830495 3.29215879
 0.51002224
 2.10171876 -2.77784333 -0.88482782 -3.97801106 1.78499453 5.3522077
 4.4902458 -4.40369672 1.87254463 -2.50098631]
 Sample 5939: [-0.42157953 0.83926957 0.53110508 5.30341974 3.21947455
 0.50178293
 2.06786741 -2.9046401 -0.8987779 -3.90876227 1.77316176 5.33030169
 4.41651477 -4.37858341 1.80335178 -2.47605861]
 Sample 5940: [-0.42504466 0.79636977 0.57090374 5.2752843 3.12878045
 0.48830791
 2.25750774 -2.92683607 -0.84732341 -3.85579312 1.88081732 5.35392933
 4.3968818 -4.36706645 1.81720089 -2.55844623]
 Sample 5941: [-0.44467832 0.82078268 0.54640084 5.31682365 3.06248501
 0.4513952
 2.28554483 -2.93146966 -0.8046359 -3.79526736 1.94582184 5.34702455
 4.29251017 -4.33094761 1.88704363 -2.55355639]
 Sample 5942: [-0.43689778 0.77353055 0.57178463 5.2730356 3.00806321
 0.49918385
 2.25195645 -2.91620656 -0.7727947 -3.78365138 1.88711457 5.3438284
 4.25108669 -4.2936757 1.86647318 -2.57286748]
 Sample 5943: [-0.38383744 0.81761445 0.50966035 5.27943344 2.95708456
 0.53878829
 2.25539836 -2.81460717 -0.80454463 -3.89402298 1.91427201 5.31211549
 4.25664857 -4.2604015 1.81455918 -2.58397935]
 Sample 5944: [-0.31786533 0.78243065 0.51789674 5.22837016 2.95082175
 0.54561234
 2.27519271 -2.84743555 -0.7562932 -3.90538663 1.8512324 5.28109576
 4.27789758 -4.22580314 1.75612784 -2.6146198]
 Sample 5945: [-0.26837798 0.8428599 0.44634521 5.24861569 3.01753252
 0.52744959
 2.22154092 -2.80353172 -0.7726477 -3.85900181 1.85226072 5.35751409
 4.2421027 -4.20322106 1.82593956 -2.64943826]
 Sample 5946: [-0.29081884 0.79330195 0.48765249 5.16745365 2.99634394
 0.42382091
 2.17227171 -2.72421787 -0.76424327 -3.96224034 1.87847459 5.36444849
 4.26246907 -4.27700226 1.84746446 -2.61223195]

Sample 5947: [-0.41578678 0.79991533 0.53247391 5.10791655 2.98311909
 0.41851586
 2.28626407 -2.7757027 -0.73831918 -3.86290614 1.89132525 5.3391792
 4.24070557 -4.2710985 1.8272776 -2.67187674]
 Sample 5948: [-0.43771277 0.80021102 0.51478851 5.10456191 2.87439711
 0.42419151
 2.29599032 -2.70872913 -0.78554044 -3.87307829 1.864808 5.50047104
 4.23839375 -4.32541752 1.89257198 -2.64563181]
 Sample 5949: [-0.44855741 0.84137496 0.5224958 5.15147316 2.8422471
 0.40634316
 2.30152532 -2.70619582 -0.73543325 -3.87309289 1.8226637 5.57323789
 4.248961 -4.23401112 1.92145687 -2.67735159]
 Sample 5950: [-0.37396048 0.79156793 0.51002829 5.10703676 2.84253464
 0.40327648
 2.35488052 -2.73007736 -0.68644679 -3.90009439 1.82266259 5.55449024
 4.2517828 -4.32788005 2.00451839 -2.74304038]
 Sample 5951: [-0.35989777 0.86222841 0.51779799 5.08589549 2.92677239
 0.43099652
 2.38963701 -2.72053747 -0.72348008 -3.8614025 1.83240805 5.52881914
 4.33077331 -4.26718794 2.03617603 -2.78669578]
 Sample 5952: [-0.33554848 0.81505651 0.4830976 5.07771257 2.87766896
 0.50634275
 2.37960343 -2.66646807 -0.75323309 -3.82634954 1.82937167 5.56237049
 4.31260432 -4.34546283 2.01636079 -2.77765877]
 Sample 5953: [-0.25857435 0.84962759 0.42862936 5.04865681 2.85406244
 0.59217459
 2.41536583 -2.70577199 -0.68747167 -3.85440681 1.83279997 5.60539981
 4.25486871 -4.34177206 1.98714521 -2.66797283]
 Sample 5954: [-0.29756623 0.85085162 0.44234168 5.04518678 2.82358068
 0.61527209
 2.30534347 -2.63837253 -0.76102582 -3.89249717 1.78871123 5.57175192
 4.38241502 -4.42336056 1.97092879 -2.64447341]
 Sample 5955: [-0.36355117 0.83928568 0.44932908 5.01339989 2.84489971
 0.66732982
 2.36918963 -2.626957 -0.67186342 -3.91866574 1.79785252 5.54499166
 4.30619223 -4.40265764 2.03080636 -2.65535923]
 Sample 5956: [-0.43359845 0.83874228 0.51174741 5.07479533 2.87635408
 0.71126909
 2.45465352 -2.61613991 -0.67559074 -3.86879113 1.78184295 5.53998406
 4.33858826 -4.31423965 1.94387089 -2.70073531]
 Sample 5957: [-0.55124656 0.844671 0.48354647 5.07767 2.90924673
 0.67583104
 2.49200736 -2.63477494 -0.61869626 -3.94106913 1.75844828 5.48383703
 4.37941174 -4.3841122 1.91489536 -2.65527914]
 Sample 5958: [-0.48135694 0.82794426 0.49998542 5.07940664 2.93849115
 0.59885667
 2.44602876 -2.52526093 -0.64986865 -4.05137947 1.83638124 5.52472978
 4.32525342 -4.38305704 1.93050181 -2.76479395]

Sample 5959: [-0.47099778 0.85475784 0.45992232 5.00523336 2.95395683
 0.61626456
 2.47155132 -2.53124705 -0.64699476 -4.03903566 1.83408007 5.57943785
 4.29982957 -4.41176411 1.9334961 -2.73045453]
 Sample 5960: [-0.53052267 0.86835885 0.4897244 5.03693554 2.88156253
 0.59300828
 2.52374245 -2.48834607 -0.77052537 -3.98951826 1.79033409 5.64636791
 4.42422365 -4.41793894 1.98741651 -2.62828328]
 Sample 5961: [-0.60696054 0.8579977 0.46362917 5.04371933 2.89502816
 0.62463448
 2.54737806 -2.48921034 -0.67719067 -3.94464846 1.86829002 5.63780357
 4.43770954 -4.36478323 1.97633735 -2.64028276]
 Sample 5962: [-0.52996698 0.88978973 0.48230485 5.05105294 2.88392971
 0.73472217
 2.60810094 -2.49952933 -0.63440793 -3.87977844 1.97844154 5.65922987
 4.41212041 -4.33859751 1.95335102 -2.60723412]
 Sample 5963: [-0.54212353 0.85615661 0.44784671 5.175201 2.893652
 0.66024835
 2.53327491 -2.43318192 -0.72711162 -3.90095324 2.09673396 5.75657918
 4.40885436 -4.29714753 1.89278753 -2.63453997]
 Sample 5964: [-0.50628116 0.87235923 0.46606276 5.20141097 2.94867586
 0.63036958
 2.55536196 -2.38740216 -0.73168239 -3.91834774 2.05448102 5.70600674
 4.36884814 -4.24537339 1.78815783 -2.64388232]
 Sample 5965: [-0.46541384 0.85400568 0.40543023 5.14305604 2.91008819
 0.64093437
 2.49625697 -2.32006872 -0.75001596 -3.93702871 2.05528185 5.77348774
 4.37316964 -4.24431034 1.78531973 -2.60502019]
 Sample 5966: [-0.44081845 0.8755921 0.42601625 5.1701625 2.82941048
 0.71955961
 2.49193915 -2.26883052 -0.65295418 -3.97199542 2.07160024 5.68672255
 4.37712401 -4.1958727 1.78328119 -2.6345493]
 Sample 5967: [-0.49906441 0.86706404 0.36444509 5.09337961 2.80148782
 0.7519037
 2.56511866 -2.15373235 -0.6268522 -3.9925968 2.10240215 5.67510078
 4.43404541 -4.19083344 1.73986091 -2.59701222]
 Sample 5968: [-0.49395401 0.90628711 0.41292527 5.09685156 2.82587006
 0.71598517
 2.58915206 -2.10517765 -0.69235529 -4.03737765 2.0525889 5.68108782
 4.41541314 -4.14100707 1.68427994 -2.60394888]
 Sample 5969: [-0.44759083 0.88821784 0.34120349 5.11977272 2.8447854
 0.66807945
 2.54707956 -2.05669779 -0.66149094 -3.86299388 1.97805134 5.67578121
 4.37370346 -4.20801829 1.71278694 -2.55018244]
 Sample 5970: [-0.48259548 0.88758598 0.38697409 5.16703426 2.7504283
 0.61066797
 2.5107218 -2.10981362 -0.68028133 -3.8497992 1.90052264 5.677969
 4.29757734 -4.12952756 1.69246813 -2.64052227]

Sample 5971: [-0.45794857 0.8734917 0.39146095 5.20219077 2.74711055
 0.59284706
 2.48869143 -2.10600076 -0.70359214 -3.85181891 1.88261323 5.75414041
 4.28594651 -4.10432697 1.67298082 -2.64457092]
 Sample 5972: [-0.52547287 0.85727636 0.36926259 5.16758175 2.77890434
 0.5602188
 2.50543917 -2.09874102 -0.77799224 -3.7421582 1.81057468 5.85390026
 4.32448939 -4.09813585 1.66670683 -2.6220928]
 Sample 5973: [-0.59828259 0.8800185 0.41878044 5.18708714 2.66818011
 0.59247105
 2.56845651 -2.06017358 -0.84984957 -3.74322173 1.70658166 5.8239784
 4.40875081 -4.06288269 1.65632189 -2.66586761]
 Sample 5974: [-0.59366343 0.88079218 0.37188011 5.16917801 2.63629932
 0.60134723
 2.55019743 -2.06972375 -0.77544546 -3.76146254 1.63624892 5.84796842
 4.28755314 -4.04518005 1.65603929 -2.71464093]
 Sample 5975: [-0.60141873 0.83630825 0.41114134 5.14531304 2.65541004
 0.54614663
 2.50569319 -2.02863173 -0.79896823 -3.7261655 1.64441829 5.85928214
 4.25130389 -3.96305782 1.68709101 -2.75670534]
 Sample 5976: [-0.5814151 0.88169702 0.34872247 5.02519635 2.65688224
 0.56742649
 2.52599209 -1.95815136 -0.78258874 -3.72485147 1.66683313 5.91916449
 4.1943864 -3.90675326 1.66106959 -2.7540702]
 Sample 5977: [-0.47268425 0.8392026 0.38551304 5.11293276 2.70635478
 0.58908847
 2.53257337 -1.94533012 -0.85713801 -3.72499608 1.67342507 5.87968377
 4.15763392 -3.89942136 1.70242402 -2.73418989]
 Sample 5978: [-0.48189786 0.86074167 0.36183904 4.97770591 2.70339638
 0.56422129
 2.3753365 -2.06788584 -0.89247119 -3.73358004 1.70468436 5.81310849
 4.20152923 -3.87128858 1.6810956 -2.72587895]
 Sample 5979: [-0.52487043 0.7881377 0.41562923 5.0198699 2.64914994
 0.63545803
 2.35922275 -2.05727559 -0.88835123 -3.71698569 1.67306252 5.68707044
 4.13354026 -3.83790184 1.6386878 -2.69836826]
 Sample 5980: [-0.40296294 0.88006544 0.3462758 5.03814828 2.64353564
 0.64342959
 2.37402448 -2.03564617 -0.94628396 -3.7623946 1.68869655 5.73931524
 4.18995058 -3.79860218 1.54366766 -2.67502455]
 Sample 5981: [-0.32972671 0.83453122 0.34066382 4.9812733 2.61416731
 0.69744139
 2.37902555 -2.06236037 -1.0003075 -3.78208999 1.63299958 5.74729917
 4.21138352 -3.7700244 1.52199388 -2.69293967]
 Sample 5982: [-0.27495464 0.84470188 0.27958697 4.90644389 2.59949625
 0.75379905
 2.33803589 -2.07928394 -1.04696157 -3.73805728 1.67014189 5.77339061
 4.28577975 -3.76168291 1.53303555 -2.70177187]

Sample 5983: [-0.2248466 0.80634231 0.27631754 4.85564764 2.59966513
 0.65460683
 2.32962086 -2.07494829 -1.03309029 -3.71230695 1.63385482 5.7241396
 4.31747743 -3.8294195 1.59345478 -2.65340059]
 Sample 5984: [-0.27561523 0.83704707 0.33508109 4.87170828 2.65068128
 0.5866914
 2.36665265 -2.16645173 -1.01161006 -3.71452348 1.64917549 5.78834461
 4.35286286 -3.83170917 1.5174511 -2.69310097]
 Sample 5985: [-0.296513 0.82827728 0.31004573 4.89339948 2.67525411
 0.58009292
 2.31863055 -2.14174815 -1.01022384 -3.7185845 1.6709456 5.83295799
 4.33863812 -3.73160325 1.58023107 -2.58296152]
 Sample 5986: [-0.26919894 0.8641595 0.27557598 4.87652901 2.67328567
 0.56407859
 2.31697893 -2.03581488 -1.0110314 -3.78404882 1.62152432 5.87712634
 4.3630173 -3.71834795 1.55613935 -2.48484232]
 Sample 5987: [-0.2765963 0.81752336 0.27631185 4.85660782 2.63093503
 0.62374918
 2.37077823 -2.03854058 -1.07457633 -3.86510392 1.59500112 5.84034267
 4.35493492 -3.68839269 1.58268767 -2.54961021]
 Sample 5988: [-0.28948979 0.86901812 0.2995404 4.82653131 2.62984862
 0.6393072
 2.31941755 -2.05444088 -1.14045689 -3.79272204 1.63733792 5.83992049
 4.29771099 -3.74012012 1.64608844 -2.44882383]
 Sample 5989: [-0.31383015 0.81788265 0.31021086 4.92242676 2.62316616
 0.68556618
 2.25928347 -2.05348723 -1.11024478 -3.8272863 1.6058916 5.878891
 4.24085719 -3.71071412 1.67476681 -2.42433415]
 Sample 5990: [-0.31191175 0.81184919 0.32236529 4.86965357 2.58948856
 0.67461983
 2.24699002 -2.13391136 -1.15675162 -3.86368761 1.5461843 5.86863808
 4.17466548 -3.63864302 1.65237597 -2.40524141]
 Sample 5991: [-0.32089245 0.87186767 0.33126997 4.87786142 2.55939093
 0.58230699
 2.29753338 -2.1232111 -1.20067677 -3.85609394 1.53586391 5.8396378
 4.06487986 -3.64683526 1.72825946 -2.43352795]
 Sample 5992: [-0.33723476 0.90289999 0.35297097 4.9867911 2.53105661
 0.65992942
 2.32252504 -2.15819451 -1.20664808 -3.78460512 1.55705676 5.85963296
 4.10785641 -3.61375796 1.75232176 -2.44000847]
 Sample 5993: [-0.42524161 0.77330746 0.38354851 5.05534106 2.51592307
 0.74555812
 2.29298193 -2.1401856 -1.20472487 -3.76585721 1.53292853 5.92491155
 4.0515204 -3.55875837 1.78603381 -2.44448898]
 Sample 5994: [-0.45802161 0.86791983 0.36697154 5.07252221 2.44302005
 0.80185562
 2.24840668 -2.1251632 -1.1704776 -3.72146727 1.50825434 5.94893446
 4.05535384 -3.56042636 1.87721623 -2.48641299]

Sample 5995: [-0.49003754 0.76829439 0.42741963 5.09248291 2.50592706
 0.75223662
 2.18738942 -2.22930998 -1.13773312 -3.71248253 1.49638006 5.91961139
 4.00375021 -3.5089736 1.82554163 -2.5160458]
 Sample 5996: [-0.53382428 0.84780979 0.41716312 5.10961015 2.51315181
 0.72073565
 2.25010081 -2.24532015 -1.14298394 -3.63671726 1.39940992 5.84553999
 4.04669034 -3.44869132 1.68471189 -2.46747302]
 Sample 5997: [-0.56957819 0.84254064 0.41908371 5.051171 2.42657615
 0.68305733
 2.20514344 -2.18920954 -1.07982744 -3.69700964 1.36233407 5.84390144
 4.06506267 -3.45560454 1.64634329 -2.56124937]
 Sample 5998: [-0.57189304 0.79918903 0.42151968 5.11039891 2.48371312
 0.76244491
 2.22047751 -2.22673442 -1.0613772 -3.75144606 1.27428158 5.81144025
 4.01495826 -3.37550372 1.60246186 -2.49963535]
 Sample 5999: [-0.63402164 0.79970642 0.42273772 5.12407831 2.48560555
 0.75095757
 2.11018881 -2.22770819 -1.02526492 -3.72658061 1.28992643 5.81969235
 4.14083157 -3.37705073 1.58110688 -2.48679961]
 Sample 6000: [-0.66092573 0.77975089 0.42209384 5.08351476 2.50460491
 0.66742251
 2.08230917 -2.2381351 -1.03848437 -3.79363541 1.23758548 5.79677505
 4.13327865 -3.36815285 1.58665621 -2.51527764]
 Sample 6001: [-0.72603554 0.7446534 0.44353328 5.12165393 2.43894441
 0.62063536
 1.99709346 -2.26414372 -1.06671563 -3.75160456 1.25527142 5.72245021
 4.17843734 -3.4038825 1.61516285 -2.52008591]
 Sample 6002: [-0.73805831 0.7398763 0.426372 5.11333676 2.44294153
 0.55330553
 1.93434812 -2.26243837 -1.11999982 -3.83330875 1.20267363 5.79302042
 4.14698388 -3.39033091 1.65321076 -2.46118551]
 Sample 6003: [-0.7415074 0.7575971 0.44496087 5.17015857 2.46355833
 0.57963191
 1.97730481 -2.25524512 -1.15048204 -3.85747 1.09331281 5.76639088
 4.19630405 -3.46653776 1.61124302 -2.46110579]
 Sample 6004: [-0.65668628 0.72501758 0.42311726 5.14220159 2.3851928
 0.50201353
 1.95483825 -2.24978993 -1.11462559 -3.8079621 1.06806487 5.8041839
 4.20331125 -3.36252702 1.61019817 -2.51962368]
 Sample 6005: [-0.7312815 0.75466679 0.41218779 5.19968029 2.33693487
 0.44251142
 1.92646509 -2.11186871 -1.16698258 -3.76822794 0.95182063 5.86787431
 4.23718746 -3.33277699 1.58486253 -2.49359267]
 Sample 6006: [-0.75837933 0.75182393 0.39172769 5.15771506 2.46703326
 0.48380444
 1.98164076 -2.06026943 -1.09996476 -3.86150094 0.98333117 5.90030947
 4.28584159 -3.37215424 1.58153132 -2.50607157]

Sample 6007: [-0.76440806 0.75199457 0.39506558 5.26101567 2.41874536
0.48919688
1.95312934 -2.08135398 -1.11503519 -3.83585918 0.87775174 5.87182261
4.26776009 -3.27232336 1.60864175 -2.57900153]

Sample 6008: [-0.72701988 0.71618392 0.40975626 5.18560999 2.38807254
0.52410748
1.93461253 -2.09697425 -1.18336463 -3.78263068 0.90511725 5.83924059
4.22102073 -3.28189953 1.66994845 -2.55894097]

Sample 6009: [-0.7896405 0.74298854 0.41348865 5.20252488 2.49139321
0.47387505
1.89584375 -2.18147492 -1.20455656 -3.70978992 0.90028641 5.85573862
4.19425329 -3.34151051 1.63356714 -2.67653527]

Sample 6010: [-0.82194498 0.70681669 0.41539103 5.21953756 2.45528292
0.42697817
1.99016038 -2.15500662 -1.16445287 -3.65272055 0.88337169 5.82344604
4.20280708 -3.36123162 1.70661401 -2.7010411]

Sample 6011: [-0.82854673 0.77181273 0.4015177 5.37624538 2.51647221
0.46453841
1.99895944 -2.10807517 -1.07992383 -3.62786474 0.9347714 5.81788707
4.2690189 -3.44280187 1.7646067 -2.77969322]

Sample 6012: [-0.80322009 0.69397618 0.41556685 5.2872006 2.43865456
0.55848603
1.99942106 -2.15927291 -1.1190123 -3.53852915 0.97069372 5.76303776
4.22498161 -3.46272683 1.72770193 -2.81667244]

Sample 6013: [-0.74961983 0.76846952 0.43539155 5.35359727 2.43123357
0.54755223
1.9999709 -2.27425634 -1.20887985 -3.37075823 0.91400996 5.75264659
4.27045096 -3.42729664 1.77952748 -2.81975774]

Sample 6014: [-0.70686731 0.70755503 0.43266754 5.3710402 2.4312582
0.60557849
2.00634107 -2.23208613 -1.15598439 -3.32721532 0.89409654 5.73606422
4.19460127 -3.4885617 1.81245753 -2.79070234]

Sample 6015: [-0.72586186 0.73748234 0.41646657 5.39728452 2.53861291
0.64905075
1.97233244 -2.1599529 -1.20445132 -3.43733254 0.89187409 5.66266569
4.21514788 -3.55077358 1.75309597 -2.91875522]

Sample 6016: [-0.78686495 0.70166021 0.41508482 5.34338319 2.47635683
0.7066485
1.98715991 -2.1540032 -1.30615111 -3.45517289 0.85461224 5.65289813
4.29435023 -3.48236901 1.76429194 -2.85709911]

Sample 6017: [-0.76336948 0.7723095 0.40105952 5.29075493 2.41769387
0.78325547
2.02283246 -2.09811713 -1.4237876 -3.46698274 0.85341794 5.61973007
4.28783343 -3.53341841 1.72079421 -2.87375461]

Sample 6018: [-0.72621927 0.70870129 0.40528248 5.27959708 2.37482413
0.7752819
2.08440905 -2.11363246 -1.38887639 -3.40282645 0.81556574 5.60290356
4.33469076 -3.58307733 1.7649545 -2.84554222]

Sample 6019: [-0.65186439 0.82385225 0.40503735 5.31834992 2.37483526
0.92592549
2.13769228 -2.13450205 -1.36211185 -3.35315444 0.84046998 5.66895421
4.41255817 -3.52244979 1.77573852 -2.83175497]
Sample 6020: [-0.63788632 0.72503661 0.40789285 5.34413965 2.35465079
0.87569713
2.17484973 -2.12303865 -1.38791265 -3.37725217 0.88529826 5.70387462
4.39984812 -3.49327875 1.71231363 -2.83335074]
Sample 6021: [-0.66066541 0.7971254 0.41674344 5.36363582 2.36981817
0.85018943
2.11101293 -2.185959 -1.43660055 -3.3475335 0.93755287 5.63037172
4.34839966 -3.46708817 1.75912707 -2.84294424]
Sample 6022: [-0.66559781 0.68312455 0.3968091 5.33289871 2.42430789
0.83310596
2.00913938 -2.07893074 -1.47556416 -3.35225661 1.00205228 5.56763573
4.33153313 -3.41584647 1.80652782 -2.8184704]
Sample 6023: [-0.66303414 0.81880996 0.38510942 5.39381337 2.39098435
0.94448122
2.08920689 -2.0521547 -1.49698611 -3.29002643 0.97259126 5.65757811
4.30160347 -3.34658996 1.76502369 -2.78717421]
Sample 6024: [-0.69025096 0.72863523 0.38579083 5.43423855 2.2970886
0.96638053
2.05651202 -1.98170748 -1.43599274 -3.2618155 0.95213228 5.70960712
4.25741593 -3.3282658 1.75829288 -2.72395379]
Sample 6025: [-0.68745206 0.75315458 0.35806112 5.32602376 2.26014119
0.92228278
2.00586944 -1.95467302 -1.48394841 -3.34536616 0.92325318 5.85951118
4.40291948 -3.39961299 1.846105 -2.74447631]
Sample 6026: [-0.6171757 0.71431112 0.39390478 5.26106577 2.22417648
0.91214706
1.94571241 -2.03119022 -1.46454043 -3.42290836 0.87146723 5.83086385
4.44861961 -3.48296723 1.78073278 -2.78605918]
Sample 6027: [-0.64844495 0.72898815 0.36283136 5.34653735 2.25945963
0.80281577
1.90295634 -1.99649316 -1.42956736 -3.33881193 0.87097499 5.84670165
4.48837106 -3.52617158 1.79428103 -2.74503431]
Sample 6028: [-0.62406993 0.68622545 0.38723775 5.36231315 2.32953003
0.82664362
1.84522034 -1.99378935 -1.48058396 -3.31859916 0.88104587 5.96417958
4.51976953 -3.52671223 1.80260708 -2.74991828]
Sample 6029: [-0.55228462 0.70813922 0.34560813 5.35158422 2.35275316
0.77811725
1.80703465 -2.0104116 -1.45523733 -3.36498004 0.87644167 5.9980206
4.54493661 -3.57170607 1.84551999 -2.73728711]
Sample 6030: [-0.47266086 0.68358135 0.37068186 5.40551456 2.42475837
0.77974833
1.80495884 -1.9991305 -1.38939459 -3.36322175 0.87693757 5.94950285
4.59390253 -3.45163442 1.80597733 -2.7326909]

Sample 6031: [-0.530284 0.70334915 0.36014212 5.33661058 2.4155513
0.80497506
1.80952074 -2.07693864 -1.44747995 -3.36217453 0.91663663 6.02862263
4.5439038 -3.40941693 1.74041004 -2.74758093]
Sample 6032: [-0.50721526 0.67760563 0.3675959 5.33256147 2.42397972
0.73610854
1.77443376 -1.98647628 -1.42539756 -3.39631644 0.8785576 5.99176689
4.53615598 -3.43081551 1.76802119 -2.73777944]
Sample 6033: [-0.62461958 0.70459023 0.36896244 5.36251461 2.48656607
0.72676941
1.78090036 -1.92625486 -1.43292642 -3.39459618 0.84837617 5.90993512
4.71468291 -3.41154135 1.71352448 -2.8811687]
Sample 6034: [-0.60732494 0.68251523 0.3750224 5.39276899 2.52593419
0.66912574
1.84901083 -1.96879022 -1.38077841 -3.37121069 0.89504661 5.90769402
4.69963116 -3.36336855 1.70150028 -2.96941013]
Sample 6035: [-0.54208104 0.7096189 0.37901312 5.30987741 2.41764831
0.71039205
1.92962089 -1.97856161 -1.39642905 -3.37452394 1.00639117 5.89179657
4.66623933 -3.36174467 1.68775404 -2.97623625]
Sample 6036: [-0.54137265 0.685562 0.36727326 5.36286567 2.44167212
0.77298225
1.87933198 -1.9434548 -1.37597068 -3.27470616 1.04335397 5.98065937
4.58184403 -3.3497233 1.580145 -3.00385566]
Sample 6037: [-0.52768317 0.69083684 0.34585177 5.30656387 2.42042402
0.72761184
1.85248449 -1.91149799 -1.41279733 -3.27795738 1.11807179 5.95361237
4.55955357 -3.36084809 1.64308356 -2.99740904]
Sample 6038: [-0.58745115 0.73095972 0.36923086 5.29231144 2.399026
0.76530333
1.93187715 -1.9056294 -1.4371607 -3.32457455 1.20673826 5.88961064
4.57379112 -3.40948229 1.69964226 -2.88044781]
Sample 6039: [-0.55618753 0.70816069 0.34947407 5.46340602 2.37479008
0.80138221
1.90961729 -1.94124286 -1.37870191 -3.3816187 1.18970896 5.97390149
4.52432728 -3.36857417 1.76384933 -2.87188363]
Sample 6040: [-0.44259414 0.69966316 0.33821106 5.42828176 2.32655598
0.76434158
1.88743651 -1.89261449 -1.363763 -3.34788905 1.24615936 6.00542627
4.54278116 -3.40355077 1.77200364 -2.89506193]
Sample 6041: [-0.32794324 0.69555365 0.29663063 5.43694776 2.382653
0.64270078
1.87396848 -1.86388428 -1.36594932 -3.30618377 1.24027 5.99414552
4.5459169 -3.41756425 1.74192852 -2.95323807]
Sample 6042: [-0.30982842 0.71395664 0.32686322 5.39482708 2.3736139
0.61910951
1.96129737 -1.96921657 -1.44017007 -3.1969852 1.24937289 5.95634001
4.52070399 -3.35353302 1.77188204 -2.95597181]

Sample 6043: [-0.44021361 0.71470526 0.37656394 5.39559026 2.40002942
0.56293049
1.93950213 -1.96173815 -1.49289768 -3.13259576 1.25942991 6.00740318
4.46152174 -3.31015286 1.72219677 -2.93241043]

Sample 6044: [-0.46729492 0.73063544 0.37259748 5.40812238 2.44184592
0.57827616
1.95420546 -2.0148678 -1.54346318 -3.11492295 1.26823622 6.04213695
4.53083876 -3.28544707 1.62548909 -2.88164899]

Sample 6045: [-0.46511433 0.72117551 0.3863222 5.3672207 2.54400216
0.61158613
1.93174544 -2.00748079 -1.57219423 -3.15615317 1.23034047 6.11287722
4.48039713 -3.27036441 1.62812858 -2.93390672]

Sample 6046: [-0.46388586 0.72523043 0.36062669 5.34555968 2.53412629
0.70562932
1.94064567 -2.0222669 -1.50522997 -3.1689562 1.33481605 6.11258696
4.39275106 -3.21905944 1.63699987 -2.94527781]

Sample 6047: [-0.46843357 0.7224128 0.39954766 5.37205031 2.61142051
0.70640642
1.97456031 -2.06432674 -1.44161996 -3.18792596 1.23838558 6.1656609
4.42110779 -3.14143352 1.63303791 -2.93864464]

Sample 6048: [-0.56386841 0.73141898 0.38059819 5.3418552 2.608686
0.67573358
1.96665392 -2.05472913 -1.48131076 -3.24528362 1.25607521 6.22750125
4.49699161 -3.13224925 1.58728203 -2.90373508]

Sample 6049: [-0.59514946 0.72159767 0.38980484 5.33392806 2.6459816
0.68039238
1.97732986 -2.01878729 -1.47906641 -3.21813608 1.23210118 6.24188554
4.48303753 -3.14495719 1.57446154 -2.86298727]

Sample 6050: [-0.5365823 0.72899179 0.38408538 5.28603033 2.56028948
0.68818553
1.9422482 -2.03668684 -1.52047694 -3.25174426 1.19231039 6.27755347
4.49725122 -3.15715768 1.59272238 -2.84680066]

Sample 6051: [-0.51638807 0.72262109 0.38777187 5.3637881 2.56213035
0.53872227
1.96397332 -2.13824214 -1.50727495 -3.24048226 1.19683515 6.24509686
4.46303172 -3.11032668 1.57613609 -2.7995337]

Sample 6052: [-0.49355092 0.7312574 0.39954321 5.465453 2.65090152
0.57043063
1.92427295 -2.12486902 -1.49579298 -3.22604756 1.17751253 6.20560389
4.42137194 -3.11279681 1.54623425 -2.73766066]

Sample 6053: [-0.4757142 0.72575067 0.40395575 5.43495664 2.67371848
0.63497596
1.93517848 -2.13267551 -1.55608837 -3.19480262 1.23914572 6.19285505
4.41787292 -3.11463079 1.54617582 -2.68132637]

Sample 6054: [-0.49618148 0.7462078 0.38092454 5.41390925 2.65262327
0.57481212
1.97195098 -2.10871686 -1.57717869 -3.21404538 1.22175365 6.31349214
4.43802365 -3.16895155 1.62741936 -2.70551756]

Sample 6055: [-0.54632243 0.75601073 0.36602889 5.51983981 2.64714336
 0.52588217
 2.02618986 -2.02022036 -1.49738134 -3.24042478 1.19310659 6.26199071
 4.4845666 -3.16729734 1.68583223 -2.67855907]
 Sample 6056: [-0.48963734 0.76049777 0.38119309 5.50607005 2.74308196
 0.57061811
 2.02688586 -2.04454323 -1.48449178 -3.27528876 1.15812265 6.224966
 4.46543823 -3.20829994 1.66401394 -2.64610251]
 Sample 6057: [-0.47609038 0.77202109 0.35264251 5.54522787 2.78653572
 0.51303292
 2.06005413 -2.03921785 -1.5297725 -3.23122659 1.26246493 6.13670665
 4.4554714 -3.2063071 1.68818979 -2.70841532]
 Sample 6058: [-0.46811413 0.76964784 0.41476583 5.57495717 2.83421838
 0.50238155
 2.09717699 -2.06302039 -1.56057793 -3.38050554 1.34652981 6.15462451
 4.41594743 -3.21360895 1.75360322 -2.64022359]
 Sample 6059: [-0.45781797 0.77035552 0.35396946 5.64440535 2.91764997
 0.5220935
 2.09985274 -1.99754354 -1.45774939 -3.39227416 1.21411258 6.04383262
 4.35969046 -3.16410004 1.75742661 -2.65865438]
 Sample 6060: [-0.50849941 0.78271775 0.3928847 5.68016438 2.86003372
 0.57563571
 2.1285739 -2.00921422 -1.53592121 -3.41836203 1.23505518 6.00439893
 4.35652805 -3.20739753 1.80725411 -2.68845886]
 Sample 6061: [-0.48309376 0.75870641 0.37951379 5.69892259 2.99030381
 0.58109327
 2.12846329 -2.07502288 -1.53956939 -3.41733551 1.16177148 5.96469733
 4.31967146 -3.28494519 1.77391486 -2.73631676]
 Sample 6062: [-0.47069605 0.80941849 0.40019249 5.74101709 2.94700674
 0.51649832
 2.21467774 -2.10884483 -1.52968901 -3.37325773 1.12637394 5.99975295
 4.38550189 -3.2892119 1.80021471 -2.68129974]
 Sample 6063: [-0.43220599 0.7783913 0.40261366 5.66405384 2.91067492
 0.50309493
 2.17873503 -2.0901083 -1.55591368 -3.44647476 1.09825923 6.04377413
 4.342667 -3.28061207 1.83600522 -2.67818831]
 Sample 6064: [-0.50798862 0.78721173 0.37936259 5.62255888 2.84804021
 0.37495778
 2.16018944 -1.99190361 -1.63576346 -3.37547699 1.1029124 6.08556531
 4.28597282 -3.32045644 1.90812246 -2.67289137]
 Sample 6065: [-0.51334571 0.76091865 0.37709805 5.67178332 2.92250489
 0.29402644
 2.12296178 -2.00653948 -1.63700977 -3.49720754 1.08025171 6.03673074
 4.22320633 -3.28111815 1.9072018 -2.74955972]
 Sample 6066: [-0.54799895 0.78169348 0.39785687 5.62549626 3.01561169
 0.249931
 2.12268997 -2.04302031 -1.57282856 -3.52351583 1.01195987 6.0675625
 4.13856035 -3.30426091 1.93845804 -2.70316427]

Sample 6067: [-0.55794453 0.75803243 0.36795905 5.71239882 2.98606058
 0.26003938
 2.10727116 -2.02685204 -1.53286005 -3.50338396 0.96437631 6.00841109
 4.20797647 -3.30265206 1.93671822 -2.59455595]
 Sample 6068: [-0.48093591 0.82260091 0.40015059 5.86050018 3.01032245
 0.31794672
 2.07826463 -2.04401529 -1.50078079 -3.51639737 0.97572476 5.99104197
 4.21996005 -3.27381156 1.88166594 -2.60260479]
 Sample 6069: [-0.54383949 0.79753006 0.37265259 5.95388156 3.05453046
 0.35102456
 2.08708718 -2.07427145 -1.49576255 -3.46597718 1.0224749 6.05199046
 4.15617305 -3.31125651 1.96799019 -2.6389959]
 Sample 6070: [-0.58060246 0.76860192 0.4181737 5.98706382 3.12724037
 0.29250712
 2.12216062 -2.07653878 -1.44026952 -3.46178942 1.07809739 6.07096828
 4.11454166 -3.24160293 1.99043124 -2.68438471]
 Sample 6071: [-0.57828796 0.76462316 0.37427698 5.95633354 3.11355958
 0.39987656
 2.05548263 -2.0632275 -1.44466213 -3.52208281 1.09266201 6.10023259
 4.17936694 -3.2311951 1.98842042 -2.62622301]
 Sample 6072: [-0.57682144 0.76625449 0.41277594 5.99451868 3.07309414
 0.3301631
 2.07584062 -2.10808186 -1.41018253 -3.57898538 1.06363346 6.15161993
 4.13375635 -3.18711042 1.91015842 -2.69681912]
 Sample 6073: [-0.49183899 0.80441256 0.38538712 5.90272088 3.08390708
 0.26612627
 2.19095333 -2.0846902 -1.46446913 -3.57722969 1.06574863 6.17417245
 4.1858583 -3.25656789 1.90497413 -2.64211031]
 Sample 6074: [-0.51253138 0.80433142 0.42579827 5.9538715 3.08762253
 0.15603087
 2.1986228 -2.13982882 -1.43165997 -3.49542936 1.02318472 6.17150221
 4.24061616 -3.28348938 1.90269151 -2.60541191]
 Sample 6075: [-0.59106766 0.78552769 0.3866666 5.91865889 3.05486366
 0.12142277
 2.16874174 -2.11456547 -1.41676826 -3.4922433 1.0307334 6.16781105
 4.24062109 -3.41204105 1.89984102 -2.66329219]
 Sample 6076: [-0.61545326 0.80793048 0.399424 5.91948713 3.05077463
 0.12716622
 2.24183466 -2.06015204 -1.37682916 -3.50186556 1.08822785 6.14794458
 4.3075396 -3.32145431 1.90481922 -2.70340233]
 Sample 6077: [-0.57342053 0.83482347 0.37895861 5.88376685 2.9835478
 0.10384929
 2.25137743 -2.09690977 -1.31149454 -3.51298757 1.03607432 6.27480312
 4.33872821 -3.31522669 1.89157773 -2.69481479]
 Sample 6078: [-0.5700846 0.8366273 0.40523207 5.9242518 3.01772848
 0.08258671
 2.29462064 -2.0902156 -1.28508012 -3.49697105 1.01583706 6.25793014
 4.32577803 -3.31674993 1.90960659 -2.56908858]

Sample 6079: [-0.57193405 0.79285386 0.36406634 5.99357236 3.05704745
 0.02995387
 2.25961308 -2.0605259 -1.31965561 -3.52171222 1.00145478 6.19182886
 4.26291701 -3.29338741 1.94174786 -2.65119754]
 Sample 6080: [-0.57479212 0.83741027 0.40506051 5.94726833 3.06918852
 0.03489679
 2.30252232 -2.05761398 -1.29899969 -3.48361757 1.07054684 6.26122375
 4.24389714 -3.3176209 1.88403691 -2.66834598]
 Sample 6081: [-0.68570284 0.84256553 0.39196125 5.99401753 3.09191785
 0.01098201
 2.26619825 -2.09636987 -1.28957723 -3.48596787 1.10959781 6.26681806
 4.29597171 -3.28550757 1.90287291 -2.64963727]
 Sample 6082: [-0.61701842 0.81068665 0.41906134 5.94803066 3.12123501
 -0.0222297
 2.30341108 -2.16062759 -1.3175599 -3.48945759 1.13610643 6.26733862
 4.29876569 -3.2653642 1.90909653 -2.72520343]
 Sample 6083: [-0.67477255 0.81449045 0.4081372 6.00341864 3.12117559
 -0.08470596
 2.28285236 -2.17923104 -1.27613936 -3.53353168 1.19484164 6.30120255
 4.28912 -3.33599106 1.88185511 -2.72342171]
 Sample 6084: [-0.64950071 0.85819037 0.43450308 6.03010129 3.21201445
 -0.11244838
 2.35294076 -2.21519753 -1.23530405 -3.54685927 1.17004333 6.29700354
 4.22948645 -3.38583202 1.9326511 -2.72232636]
 Sample 6085: [-0.59297706 0.84703963 0.40710019 6.07891511 3.26828532
 -0.08153946
 2.37744254 -2.17880514 -1.20735501 -3.57234101 1.15878195 6.23570143
 4.24128864 -3.37142083 1.92329445 -2.67932796]
 Sample 6086: [-0.65780402 0.82731976 0.42083293 6.02529545 3.37627184
 -0.06009062
 2.35567325 -2.1295956 -1.13851857 -3.59594113 1.16745442 6.19549282
 4.20046183 -3.38068621 1.91530795 -2.62393478]
 Sample 6087: [-0.64308965 0.84066218 0.38888311 6.08973656 3.47389831
 -0.08655458
 2.29363381 -2.1262292 -1.0994873 -3.58014642 1.22763731 6.15602613
 4.15774866 -3.48936405 1.95241724 -2.63712757]
 Sample 6088: [-0.59916424 0.82310598 0.44037033 6.07585062 3.42853652
 -0.12949345
 2.27388013 -2.23067039 -1.03065518 -3.59130426 1.12920222 6.22965657
 4.19597267 -3.54120983 1.93694601 -2.62067633]
 Sample 6089: [-0.53415101 0.85150866 0.42697322 6.07622587 3.39726025
 -0.01559668
 2.21962491 -2.28549537 -1.02746703 -3.58073161 1.17216407 6.23175627
 4.134511 -3.55084088 1.84187717 -2.61740353]
 Sample 6090: [-5.91244024e-01 8.39206401e-01 4.62176247e-01 6.01966016e+00
 3.39391632e+00 -2.52042839e-03 2.24106755e+00 -2.34089860e+00
 -1.09639842e+00 -3.53441574e+00 1.24370100e+00 6.30825435e+00
 4.15655964e+00 -3.58783525e+00 1.87950078e+00 -2.64436035e+00]

Sample 6091: [-0.58859908 0.83406971 0.44201532 6.00747845 3.32057644
 0.06602761
 2.24478714 -2.35981537 -1.04588143 -3.58496517 1.33066342 6.39838181
 4.13999749 -3.57951048 1.83708958 -2.62694556]
 Sample 6092: [-0.65677192 0.79820886 0.45896795 6.06595279 3.33511436
 0.05589464
 2.24858974 -2.32024844 -1.02070194 -3.56352422 1.2709482 6.51763253
 4.15275668 -3.58690991 1.9063975 -2.73638871]
 Sample 6093: [-0.70406477 0.85532034 0.4259451 6.08102263 3.43692745
 0.12428717
 2.34112735 -2.28752281 -0.95974568 -3.57318251 1.2964381 6.56713819
 4.16425043 -3.57914876 1.90875417 -2.73094148]
 Sample 6094: [-0.73105322 0.81392842 0.44617672 6.05185902 3.39408257
 0.07931732
 2.31061609 -2.2489084 -0.91687976 -3.50815956 1.34354308 6.66493916
 4.17182796 -3.60405959 1.8744124 -2.67440952]
 Sample 6095: [-0.64071439 0.84352039 0.40749398 6.04150692 3.34121738
 0.08267681
 2.32104615 -2.20078686 -0.91816896 -3.43516471 1.28449052 6.6385873
 4.20446489 -3.70244481 1.89399107 -2.64633996]
 Sample 6096: [-0.64728546 0.83459896 0.43217462 6.02576309 3.27704013
 0.04360314
 2.25653 -2.17273737 -0.90696084 -3.42869776 1.39200322 6.64656331
 4.16242192 -3.77874159 1.83740331 -2.62590558]
 Sample 6097: [-0.70492234 0.81224792 0.40944797 6.11511601 3.29499213
 0.09314232
 2.25589728 -2.21447436 -0.84648269 -3.49468568 1.42821051 6.59162307
 4.10929282 -3.82379796 1.85849101 -2.57361022]
 Sample 6098: [-0.73463638 0.82323267 0.43216061 6.19741733 3.275446
 0.07120341
 2.23703565 -2.16062198 -0.84806824 -3.53487029 1.37546092 6.60123075
 4.1924061 -3.81924548 1.94102726 -2.57597029]
 Sample 6099: [-0.78752469 0.82129689 0.37616962 6.09317774 3.25809483
 0.04301178
 2.21327231 -2.07026142 -0.72399052 -3.61251467 1.47099572 6.59585124
 4.23886573 -3.75447868 1.9040516 -2.68618168]
 Sample 6100: [-0.72171435 0.78418104 0.4184046 6.0955611 3.32628373
 0.04894532
 2.22211258 -2.09739151 -0.67732056 -3.58048421 1.52784219 6.57333895
 4.26897094 -3.79747735 1.89602704 -2.69629383]
 Sample 6101: [-0.83957174 0.81032991 0.37913939 6.08512693 3.36138967
 0.05005299
 2.17643221 -2.11949347 -0.66365261 -3.70684365 1.54454833 6.51058448
 4.29937387 -3.83519412 1.90599023 -2.70179842]
 Sample 6102: [-0.85286333 0.76809238 0.41990754 6.08082409 3.4407851
 0.01297184
 2.09855061 -2.10849787 -0.69254455 -3.67556448 1.52445286 6.43517673
 4.37024897 -3.83455748 1.96545981 -2.7017903]

Sample 6103: [-0.83804074 0.76476926 0.37052029 6.08627491 3.51379
 0.11231796
 2.0477978 -2.10137127 -0.7116276 -3.68745611 1.49079757 6.46777354
 4.45324318 -3.81634595 1.9590026 -2.64820811]
 Sample 6104: [-0.79966211 0.74604627 0.40282582 6.09372341 3.65543258
 0.15112406
 1.98627231 -2.02950396 -0.72358846 -3.74108988 1.5088762 6.54243344
 4.37286685 -3.79466269 2.02872011 -2.66652873]
 Sample 6105: [-0.76971604 0.7596244 0.37545375 6.10072186 3.69772109
 0.18824031
 1.98439962 -2.05260765 -0.62744607 -3.7438682 1.48191132 6.52117514
 4.35706801 -3.74624428 2.00685151 -2.58965363]
 Sample 6106: [-0.71499556 0.80080224 0.40541307 6.17519406 3.68292821
 0.1827033
 1.96271309 -2.02849772 -0.54710423 -3.74814834 1.39686087 6.54383492
 4.26661197 -3.71156236 1.94025409 -2.63861177]
 Sample 6107: [-0.7456928 0.69881689 0.36685533 6.12759039 3.68140841
 0.22446569
 1.91564578 -2.02520479 -0.56604672 -3.7518232 1.4264987 6.58070769
 4.24569907 -3.72152952 1.88458734 -2.72142651]
 Sample 6108: [-0.82824767 0.79069831 0.36549364 6.09861343 3.74640431
 0.31381711
 1.89259219 -1.86761771 -0.5795396 -3.80642422 1.45545038 6.64383753
 4.22779322 -3.64858754 1.8814682 -2.61513553]
 Sample 6109: [-0.83153326 0.70951103 0.32457891 6.06638855 3.84491912
 0.32088487
 1.94356008 -1.82837875 -0.56137821 -3.75350899 1.50294938 6.59289393
 4.23687824 -3.64856833 1.85372629 -2.62943369]
 Sample 6110: [-0.83500278 0.76266182 0.34255013 6.07453329 3.86963343
 0.31479849
 1.87050762 -1.82456745 -0.56131668 -3.74008607 1.46651692 6.55226974
 4.2010999 -3.64793174 1.86565685 -2.64077618]
 Sample 6111: [-0.89796851 0.70060035 0.31995589 5.9975839 3.85161124
 0.24573329
 1.86251671 -1.73295251 -0.56850553 -3.74325783 1.51173708 6.52333409
 4.08635631 -3.65919306 1.94230627 -2.68521495]
 Sample 6112: [-0.9347554 0.7496353 0.33090649 5.9992781 3.88282874
 0.3071508
 1.90787605 -1.73148052 -0.56225406 -3.70405485 1.52133042 6.50189509
 4.20709385 -3.61853237 1.97218865 -2.67393629]
 Sample 6113: [-0.94152131 0.7323522 0.3064425 5.91182453 3.81921413
 0.19591399
 1.93095439 -1.64956556 -0.52559399 -3.70707669 1.55968348 6.49657561
 4.22966815 -3.59781719 1.87787035 -2.58633002]
 Sample 6114: [-1.07620512 0.75078497 0.31693567 5.963277 3.85858343
 0.18845395
 1.92786148 -1.68485916 -0.55031492 -3.75942988 1.65243913 6.50324416
 4.22647181 -3.52443198 1.82000523 -2.55361282]

Sample 6115: [-1.13961385 0.71995922 0.28873823 6.03700602 3.90374357
0.26811423
1.85324862 -1.69370541 -0.532381 -3.73669032 1.68725844 6.55142623
4.19490228 -3.46415251 1.83443817 -2.48125163]

Sample 6116: [-1.21041529 0.74235429 0.32828212 6.07141589 3.90387625
0.21734283
1.84841055 -1.74202124 -0.51053806 -3.75947023 1.60251884 6.61319755
4.31186628 -3.43966374 1.85280508 -2.43971549]

Sample 6117: [-1.34884775 0.75667936 0.24683827 6.12837653 3.93842623
0.24306125
1.94717867 -1.66712277 -0.54123936 -3.78464188 1.56007301 6.59585937
4.35607925 -3.48094684 1.86430864 -2.47086989]

Sample 6118: [-1.38831413 0.75336888 0.31755738 6.10424168 3.97482322
0.32800751
1.98827918 -1.69385485 -0.57603882 -3.84269416 1.54277717 6.61730654
4.40810328 -3.42624162 1.98631721 -2.52457136]

Sample 6119: [-1.35652813 0.76641608 0.31029718 6.21466984 3.97002007
0.24742223
1.91895836 -1.76385037 -0.60558878 -3.88450925 1.5973939 6.6341149
4.42743932 -3.4248864 2.01924857 -2.57829451]

Sample 6120: [-1.30071804 0.73562653 0.30086548 6.19880876 3.94956865
0.27007171
1.97559546 -1.77460777 -0.61254189 -3.93338192 1.57081292 6.63887961
4.42618214 -3.33143725 2.10473574 -2.56495252]

Sample 6121: [-1.34052506 0.79249974 0.35668148 6.15049333 3.89220103
0.22185129
2.04415694 -1.73057485 -0.66161257 -3.98124278 1.54897841 6.6267356
4.40150291 -3.3289122 2.14771524 -2.59320351]

Sample 6122: [-1.21678615 0.78445837 0.29472184 6.13847488 3.94343715
0.1844634
2.1722767 -1.76258248 -0.57088982 -4.0239342 1.52612788 6.56052153
4.38922785 -3.35911167 2.12300051 -2.60602659]

Sample 6123: [-1.27460389 0.82227015 0.32887172 6.07671163 3.9063087
0.20451518
2.15936845 -1.79333532 -0.61159126 -4.01824259 1.53077087 6.6145908
4.44150792 -3.34718695 2.16360405 -2.53949658]

Sample 6124: [-1.28950045 0.78902793 0.28987037 6.17131709 3.93274735
0.20869307
2.13313947 -1.77097413 -0.58409776 -3.98684025 1.52781444 6.62859462
4.41333083 -3.39545808 2.12963597 -2.56154247]

Sample 6125: [-1.29780241 0.80769525 0.32331737 6.16229672 3.88141409
0.21676272
2.07105401 -1.82297636 -0.56105069 -3.95076516 1.53479324 6.56281121
4.3899692 -3.43129179 2.11478925 -2.50649425]

Sample 6126: [-1.23114593 0.77506251 0.30320602 6.10056629 3.83290786
0.20238636
2.04422468 -1.71509657 -0.58265675 -3.97426764 1.5315047 6.59196474
4.44360654 -3.50832572 2.13964961 -2.54812977]

Sample 6127: [-1.28089752 0.80686947 0.26905612 6.17653719 3.78238097
0.01075656
1.98422782 -1.66732677 -0.58403069 -3.92013936 1.55276936 6.52775196
4.46249018 -3.47938424 2.1587602 -2.52320887]

Sample 6128: [-1.19910867e+00 7.52972714e-01 2.77353109e-01 6.22888586e+00
3.83744760e+00 4.57923039e-03 2.00352660e+00 -1.66324647e+00
-5.76569116e-01 -3.92429869e+00 1.58703547e+00 6.53691713e+00
4.44501529e+00 -3.47552308e+00 2.16434997e+00 -2.55921273e+00]

Sample 6129: [-1.26044060e+00 7.77702165e-01 2.77441487e-01 6.18996578e+00
3.89634738e+00 2.28152006e-04 2.06407733e+00 -1.64334431e+00
-5.72636008e-01 -3.90615794e+00 1.63678785e+00 6.48973822e+00
4.39142698e+00 -3.45084332e+00 2.07463758e+00 -2.63661229e+00]

Sample 6130: [-1.2269399 0.75993817 0.27878527 6.24880448 3.89398435
-0.0870284
2.06505606 -1.60491271 -0.50389877 -3.94371534 1.63351009 6.46070515
4.34020396 -3.52548102 1.97809519 -2.65801663]

Sample 6131: [-1.15195662 0.77017158 0.26368475 6.20147415 4.02190748
-0.03558163
2.0266566 -1.52687368 -0.61284507 -3.97547666 1.62608196 6.45596024
4.30744517 -3.55989674 1.98698973 -2.68157501]

Sample 6132: [-1.16349654 0.73672966 0.27100996 6.24790568 4.01883579
-0.06864715
2.00584707 -1.50209159 -0.5428646 -4.02980534 1.6250682 6.45092936
4.27821857 -3.4930623 1.97888601 -2.77820407]

Sample 6133: [-1.1043662 0.74690774 0.29415944 6.27639517 4.00362743
-0.08362255
1.94602638 -1.55186681 -0.55727279 -4.08590889 1.62570206 6.50668582
4.24687318 -3.4058226 2.09449893 -2.80035362]

Sample 6134: [-1.08688463 0.72588335 0.26074721 6.15244628 4.01353157
-0.15255467
1.98067534 -1.51620498 -0.55743085 -4.04917684 1.61486243 6.42900528
4.30360406 -3.38652687 2.09641954 -2.78923183]

Sample 6135: [-1.04251924 0.77745651 0.29005801 6.10066391 4.03668711
-0.20647172
1.95195795 -1.50793955 -0.56466946 -4.05780111 1.59219214 6.48617799
4.30924229 -3.3519811 2.03102391 -2.75395178]

Sample 6136: [-1.01483998 0.71312867 0.24909358 6.13200465 4.10662937
-0.30153539
1.93906169 -1.51662764 -0.59268814 -4.02682795 1.66224688 6.44173513
4.3136133 -3.34690063 2.09983274 -2.80335403]

Sample 6137: [-0.9629062 0.76485455 0.2922305 6.13219907 4.14341344
-0.34005398
2.02897644 -1.50622073 -0.57134449 -3.95988942 1.59290092 6.44582839
4.40188084 -3.34048619 2.08739416 -2.7926751]

Sample 6138: [-0.94960563 0.74807141 0.2943353 6.17767442 4.10073418
-0.34588426
2.03177583 -1.46455321 -0.57614272 -3.8527081 1.52198248 6.58736153
4.44986794 -3.25592978 2.14094684 -2.78820412]

Sample 6139: [-1.00688419 0.80267793 0.22936596 6.20464661 4.13038102
 -0.36357353
 1.97266183 -1.4063409 -0.64225117 -3.85572993 1.49976064 6.55652786
 4.35552967 -3.20817156 2.1481805 -2.83191836]
 Sample 6140: [-1.06676368 0.74193131 0.2745133 6.20060242 4.15317911
 -0.397006
 2.02920391 -1.41089724 -0.70762621 -3.79615516 1.45693604 6.55616289
 4.31207855 -3.25610713 2.15764307 -2.76904037]
 Sample 6141: [-1.18397581 0.78179166 0.27246932 6.21253628 4.16688504
 -0.41296325
 2.07578328 -1.4425371 -0.700488 -3.73005596 1.50197996 6.58964054
 4.28386077 -3.25216519 2.19592698 -2.77877579]
 Sample 6142: [-1.19815845 0.75921243 0.27245268 6.23559881 4.166319
 -0.4128797
 2.07712665 -1.51170937 -0.78849768 -3.77408909 1.45485067 6.63667167
 4.23937535 -3.25223313 2.23862581 -2.73689867]
 Sample 6143: [-1.17724993 0.77493233 0.31369144 6.20871634 4.17253303
 -0.42333545
 2.1002228 -1.53679811 -0.87429263 -3.73198148 1.48742463 6.61471463
 4.19867989 -3.30217013 2.24298671 -2.84211082]
 Sample 6144: [-1.1617747 0.72993774 0.28164633 6.24051953 4.13854434
 -0.34140672
 1.93589937 -1.55340378 -0.84162832 -3.63068371 1.53381375 6.6034433
 4.17366081 -3.31221413 2.26100972 -2.85580188]
 Sample 6145: [-1.15295412 0.7198498 0.30653212 6.24286283 4.15018204
 -0.37324697
 1.90936704 -1.51435322 -0.84657711 -3.62936455 1.55930839 6.57955234
 4.1596302 -3.34247142 2.2465448 -2.78786947]
 Sample 6146: [-1.14358544 0.7105299 0.24851015 6.23048978 4.12908001
 -0.35475552
 1.83950738 -1.45765916 -0.86557815 -3.58259259 1.60880546 6.58646304
 4.18363374 -3.30453053 2.26148773 -2.7977742]
 Sample 6147: [-1.15041513 0.71870569 0.30365088 6.21996752 4.14175638
 -0.31027224
 1.8427911 -1.46997023 -0.84420354 -3.69107058 1.64663671 6.62384629
 4.07598542 -3.21393272 2.2704105 -2.76219963]
 Sample 6148: [-1.08689374 0.7158873 0.26730689 6.23108048 4.06687704
 -0.41318423
 1.88265546 -1.50358511 -0.8008694 -3.66704245 1.64910263 6.63910795
 4.01509439 -3.25572462 2.29095247 -2.76713311]
 Sample 6149: [-1.12984043 0.75609046 0.28214487 6.30861411 4.10758036
 -0.39216767
 1.91906015 -1.42314716 -0.7716391 -3.67222398 1.62952673 6.64513334
 4.04529476 -3.308754 2.23094961 -2.8105556]
 Sample 6150: [-1.0923292 0.75811873 0.26503194 6.34681286 4.06534086
 -0.37684945
 1.95176277 -1.48498869 -0.6991865 -3.63212461 1.63746126 6.58613822
 4.1341284 -3.28416635 2.22983309 -2.78654084]

Sample 6151: [-1.05689979 0.72901432 0.29445335 6.35801703 4.05294259
 -0.36557298
 2.02159061 -1.50788033 -0.61126382 -3.65915109 1.60898785 6.59019688
 4.1375357 -3.26080095 2.15053003 -2.81324169]
 Sample 6152: [-1.08367104 0.75902229 0.27842636 6.28291784 4.06173983
 -0.40935368
 1.93365929 -1.50270297 -0.62589446 -3.68130997 1.60436051 6.68075913
 4.12623617 -3.31361173 2.13395243 -2.79631465]
 Sample 6153: [-1.08193735 0.70721396 0.29304205 6.29502464 4.06684703
 -0.45156245
 1.86867458 -1.50398046 -0.57263622 -3.72047356 1.65812285 6.72896221
 4.14144981 -3.29309547 2.10710125 -2.76747913]
 Sample 6154: [-1.16487337 0.71809528 0.29291771 6.33611344 4.11354721
 -0.33477515
 1.82555558 -1.55540087 -0.59017277 -3.67021674 1.69433515 6.65087818
 4.20535959 -3.29756406 2.06674314 -2.77497586]
 Sample 6155: [-1.1952228 0.6949412 0.2800556 6.409748 4.15599891
 -0.372641
 1.82227256 -1.5426811 -0.67438719 -3.71813348 1.71289733 6.69534354
 4.22301188 -3.40828557 2.13261606 -2.80379342]
 Sample 6156: [-1.22475635 0.71358738 0.28082768 6.4301422 4.15910595
 -0.37064582
 1.77280882 -1.51534256 -0.68106365 -3.70137768 1.71270748 6.65405013
 4.21899124 -3.38583556 2.21117188 -2.72238195]
 Sample 6157: [-1.27250265 0.66718516 0.27728114 6.44239016 4.09142476
 -0.44779134
 1.73562586 -1.53065545 -0.66877433 -3.72786186 1.70496541 6.50058881
 4.21729571 -3.34060822 2.18379331 -2.78807025]
 Sample 6158: [-1.14884719 0.7276111 0.30972907 6.37567405 4.05383388
 -0.41873778
 1.75665515 -1.54057675 -0.70247141 -3.8071292 1.72456764 6.51911452
 4.25375554 -3.37245567 2.19647376 -2.76293296]
 Sample 6159: [-1.1704081 0.73198195 0.2491242 6.30254366 4.06676002
 -0.46233613
 1.73929333 -1.50610245 -0.75147374 -3.85445569 1.73424177 6.48047208
 4.30179402 -3.3659521 2.18611308 -2.80435016]
 Sample 6160: [-1.1685325 0.68526654 0.28732918 6.31640725 4.02470637
 -0.4965776
 1.74885852 -1.48523012 -0.74684191 -3.80175024 1.74939975 6.48349786
 4.28072661 -3.39359315 2.13750385 -2.86636964]
 Sample 6161: [-1.16817469 0.68574525 0.22952237 6.39988368 3.92969042
 -0.48977862
 1.80502577 -1.34667636 -0.67656631 -3.82146488 1.74801234 6.41731816
 4.22745906 -3.31761795 2.16624446 -2.89475603]
 Sample 6162: [-1.1306647 0.69761943 0.27422007 6.40494418 3.87378261
 -0.515634
 1.82286693 -1.30669596 -0.6280295 -3.88536258 1.69271157 6.42820797
 4.19492534 -3.33181916 2.16234156 -2.92560096]

Sample 6163: [-1.14494003 0.69300285 0.19711824 6.378179 3.95311116
 -0.5346292
 1.81827552 -1.20799411 -0.5501703 -3.87096836 1.79220845 6.39212648
 4.24374499 -3.42007785 2.12478776 -2.91011047]
 Sample 6164: [-1.11496247 0.68747302 0.24208682 6.31676893 3.94840346
 -0.56224133
 1.80158592 -1.21992983 -0.5619806 -3.79665241 1.72943834 6.3088809
 4.13632212 -3.40868131 2.07370082 -2.94840205]
 Sample 6165: [-1.02667848 0.67106025 0.19825153 6.33126255 3.99925966
 -0.62722442
 1.78050231 -1.14493919 -0.56966604 -3.70296889 1.75938633 6.31681258
 4.11311271 -3.46121762 2.02589071 -3.11263507]
 Sample 6166: [-0.97051373 0.67170619 0.24923479 6.20786877 4.01287087
 -0.61806966
 1.80635831 -1.22045005 -0.59189646 -3.68709964 1.84403338 6.3027542
 4.13831322 -3.49756325 2.02300777 -3.15885866]
 Sample 6167: [-0.96584644 0.67886468 0.20737455 6.19114634 4.00893398
 -0.58337304
 1.81869781 -1.19855658 -0.48275092 -3.69270838 1.68624671 6.24854761
 4.18155695 -3.53255764 2.06259005 -3.13346861]
 Sample 6168: [-0.97909625 0.70072127 0.2324457 6.19703911 4.00850775
 -0.52220647
 1.90985176 -1.16262668 -0.48206478 -3.7193469 1.57713697 6.19087871
 4.24063111 -3.5766554 2.13211965 -3.15645852]
 Sample 6169: [-1.01114645 0.68438535 0.19584666 6.23655963 4.03911916
 -0.46520398
 1.87223086 -1.09259139 -0.46626671 -3.72303585 1.55970844 6.19744877
 4.26981614 -3.58081307 2.11301552 -3.15226927]
 Sample 6170: [-1.0022225 0.70697343 0.21463614 6.2705219 4.01967251
 -0.41041754
 1.88708611 -1.09930203 -0.43120531 -3.66529608 1.57525461 6.2027101
 4.23261176 -3.56716255 2.06319054 -3.13992046]
 Sample 6171: [-0.94435709 0.69431497 0.19922117 6.33569283 4.00980307
 -0.38701726
 1.88310231 -1.11334094 -0.42465977 -3.64234682 1.67716324 6.24825501
 4.19308035 -3.62649642 2.11779208 -3.15029876]
 Sample 6172: [-0.86109948 0.71310291 0.21807636 6.33959823 4.03388054
 -0.46493734
 1.94212865 -1.11167634 -0.39860688 -3.62967268 1.69535262 6.33504564
 4.22840157 -3.73071783 2.20201846 -3.05152097]
 Sample 6173: [-0.84875408 0.71322568 0.19916912 6.34039391 3.92953006
 -0.42638418
 1.91150802 -1.07991436 -0.40804108 -3.61254669 1.68463244 6.36023181
 4.29719258 -3.75465573 2.19943923 -3.04231354]
 Sample 6174: [-0.89835949 0.68034753 0.21941771 6.32036758 3.94137933
 -0.43376221
 1.80958291 -1.13106687 -0.41038417 -3.5330869 1.78430458 6.37950101
 4.32009725 -3.72171242 2.1965446 -3.02613336]

Sample 6175: [-0.95824912 0.68129446 0.18808629 6.33470839 3.90589969
 -0.3838198
 1.75507258 -1.0798624 -0.41400107 -3.55008462 1.72364168 6.49586981
 4.35135243 -3.78665196 2.1795614 -3.03426773]
 Sample 6176: [-0.98872939 0.66266891 0.24285046 6.33673685 3.8972302
 -0.30486592
 1.74540476 -1.18852777 -0.40525262 -3.52980114 1.67321066 6.50009456
 4.31545169 -3.81051207 2.21535991 -3.07037201]
 Sample 6177: [-1.00057757 0.71311155 0.20645501 6.26103942 3.86676363
 -0.31895633
 1.86913764 -1.24572374 -0.31734682 -3.61024752 1.69415013 6.53875548
 4.23450154 -3.80567048 2.18792349 -2.99975369]
 Sample 6178: [-0.9627364 0.69591871 0.26722455 6.29657583 3.81690557
 -0.37697233
 1.85367685 -1.30145353 -0.22879114 -3.568071 1.7018014 6.48798156
 4.19517771 -3.88551322 2.19740198 -2.95272138]
 Sample 6179: [-0.97032317 0.70351017 0.2329593 6.3059377 3.8767689
 -0.40260653
 1.87772707 -1.31692578 -0.09570486 -3.66442265 1.65779722 6.52198539
 4.16930336 -3.80520777 2.22882341 -3.04664965]
 Sample 6180: [-1.08581588 0.72220432 0.26285879 6.34195493 3.8861089
 -0.50407379
 1.89514403 -1.34457206 -0.11866356 -3.64270077 1.65243404 6.62222711
 4.19013971 -3.78103038 2.23577251 -3.00129439]
 Sample 6181: [-1.09407962 0.68906716 0.22604248 6.26951284 3.78718933
 -0.55198996
 1.88301477 -1.27962252 -0.06696309 -3.66377157 1.69156051 6.53042771
 4.21813763 -3.83378517 2.15427446 -3.06597386]
 Sample 6182: [-1.00985639 0.70671425 0.25912937 6.17104915 3.76334822
 -0.57347995
 1.82024727 -1.29100221 -0.0418001 -3.70155867 1.80409211 6.51029791
 4.31898209 -3.84018165 2.21483916 -3.00434099]
 Sample 6183: [-1.05885663 0.64906621 0.22593428 6.17475806 3.79517401
 -0.60100794
 1.75350733 -1.24819818 -0.01716067 -3.64796668 1.85738135 6.47973486
 4.37539299 -3.8732283 2.2199726 -3.11774019]
 Sample 6184: [-1.1012409 0.68500599 0.25323712 6.12347778 3.8023513
 -0.57740313
 1.74997354 -1.30808842 -0.04662512 -3.60556933 1.83050496 6.40548133
 4.40890191 -3.90912064 2.21749581 -3.12567327]
 Sample 6185: [-1.10773744 0.63550897 0.2380212 6.11366842 3.88272329
 -0.63029392
 1.70754392 -1.25102264 -0.09238018 -3.53812257 1.87079917 6.37617253
 4.39276638 -3.92141504 2.24626351 -3.06262114]
 Sample 6186: [-1.12976266 0.68498671 0.25109251 6.06629629 3.80519434
 -0.56706126
 1.71285238 -1.28321468 -0.0294655 -3.49896781 1.88173422 6.31707816
 4.46121454 -3.92607431 2.37087721 -2.98880253]

Sample 6187: [-1.09790789 0.65232975 0.22561068 6.11192025 3.76451138
 -0.59965504
 1.74645226 -1.2706013 -0.078034 -3.47005923 1.83467698 6.39985916
 4.52819233 -3.96791538 2.37490598 -3.06246963]
 Sample 6188: [-1.06303604 0.67364521 0.24981918 6.09185687 3.78940263
 -0.55072574
 1.71342467 -1.22615999 -0.07464968 -3.5080781 1.83800004 6.40066192
 4.4606083 -3.96155649 2.46602835 -3.04965934]
 Sample 6189: [-1.14311673 0.65777708 0.19188987 6.12322635 3.75651148
 -0.51977899
 1.69838366 -1.26108106 -0.06747912 -3.48210702 1.83537244 6.3960057
 4.51311755 -3.8329797 2.50695384 -3.06722775]
 Sample 6190: [-1.11463257 0.63997846 0.26264738 6.13524127 3.72389675
 -0.45694731
 1.61990216 -1.2183468 -0.09976655 -3.54888257 1.81431589 6.28543332
 4.5222528 -3.8291381 2.54306061 -3.12991819]
 Sample 6191: [-1.13157689 0.6283123 0.20624456 6.10208367 3.72073793
 -0.446361
 1.64122458 -1.2949528 -0.11322263 -3.51920732 1.80809391 6.21289013
 4.47371269 -3.90145575 2.47030128 -3.08613836]
 Sample 6192: [-1.16244657 0.66346076 0.27343882 6.11814027 3.70040715
 -0.4439375
 1.73775435 -1.23590184 -0.11929801 -3.42572082 1.82582802 6.13995136
 4.44098645 -3.87768636 2.41593008 -3.13454767]
 Sample 6193: [-1.23760512 0.64451623 0.18973992 6.12456124 3.65653587
 -0.40731399
 1.72861049 -1.24825118 -0.17957164 -3.39971216 1.83516338 6.11966023
 4.41655615 -3.82152007 2.30112833 -3.19288632]
 Sample 6194: [-1.15760682 0.64673922 0.27668942 6.08889463 3.56580679
 -0.44686126
 1.72041303 -1.24474474 -0.16963736 -3.4395447 1.8702786 6.11865206
 4.37172301 -3.80301411 2.25853918 -3.24709199]
 Sample 6195: [-1.08849804 0.62969274 0.20324019 6.02839802 3.51756818
 -0.50435608
 1.67983888 -1.29534995 -0.25049651 -3.41104468 1.84951206 6.07272326
 4.40709341 -3.78017041 2.19630989 -3.24274529]
 Sample 6196: [-1.00729893 0.65965584 0.29823986 6.00981806 3.46640195
 -0.40716483
 1.7292494 -1.3611692 -0.26009709 -3.42259918 1.90656999 6.04499182
 4.43564936 -3.74420976 2.1991473 -3.23521581]
 Sample 6197: [-1.12957227 0.65088555 0.22526992 6.09952049 3.43155514
 -0.40040918
 1.81785613 -1.40548404 -0.18496672 -3.42224904 1.84202291 6.17984718
 4.41183003 -3.77187139 2.15719823 -3.2575781]
 Sample 6198: [-1.16670595 0.67986489 0.30521891 6.11434679 3.45339515
 -0.42902681
 1.82840765 -1.39533544 -0.15334802 -3.43937772 1.9094361 6.15177725
 4.48667768 -3.93199013 2.21358831 -3.27454959]

Sample 6199: [-1.05128694 0.68892199 0.23101582 6.11858002 3.48297283
 -0.48889412
 1.83097863 -1.44086947 -0.22474414 -3.39648523 1.93045055 6.28085151
 4.45688321 -3.86342826 2.15689065 -3.27077292]
 Sample 6200: [-1.02478302 0.64368174 0.30281885 6.13247422 3.43228628
 -0.4698655
 1.79758602 -1.37882323 -0.20784914 -3.48252061 1.94464055 6.37649502
 4.46169348 -3.88799792 2.1821742 -3.27681991]
 Sample 6201: [-1.11669506 0.67330855 0.22850825 6.13175341 3.3945705
 -0.52837005
 1.75299588 -1.44120331 -0.18735734 -3.48223687 1.95048126 6.37355992
 4.529819 -3.88119533 2.23073091 -3.25477501]
 Sample 6202: [-1.22572318 0.64371219 0.30200791 6.13033176 3.41909623
 -0.47058689
 1.77682059 -1.38396564 -0.13324135 -3.43623744 1.90722396 6.41372773
 4.49974292 -3.87360509 2.2072509 -3.21059899]
 Sample 6203: [-1.29865075 0.67536732 0.21832097 6.11063789 3.50592561
 -0.48176139
 1.7685044 -1.37166203 -0.05624991 -3.40572219 1.8962753 6.40008141
 4.48952051 -3.87515837 2.16292557 -3.29340471]
 Sample 6204: [-1.18325988e+00 6.45185339e-01 2.92939700e-01 6.14932704e+00
 3.47760167e+00 -5.43335013e-01 1.79502831e+00 -1.34836781e+00
 4.83658034e-03 -3.46558638e+00 1.93257324e+00 6.31091144e+00
 4.55662362e+00 -3.92814841e+00 2.15124829e+00 -3.27416625e+00]
 Sample 6205: [-1.13017963 0.6725012 0.22480236 6.12787448 3.54008266
 -0.4673342
 1.77070853 -1.39091045 -0.02367634 -3.44595143 1.94903244 6.23228775
 4.52723574 -3.9323221 2.12646778 -3.23048174]
 Sample 6206: [-1.10149444 0.62071997 0.30403089 6.02794769 3.56793931
 -0.55544762
 1.66791734 -1.44968761 0.02784331 -3.33829885 1.92251216 6.2642049
 4.65066424 -3.96698626 2.10383014 -3.28776228]
 Sample 6207: [-1.12901906 0.63919533 0.23928876 6.00108232 3.60815772
 -0.58431896
 1.6782799 -1.45414579 -0.04742742 -3.39143368 1.95382795 6.37769114
 4.69930406 -4.0120708 2.09883245 -3.31666008]
 Sample 6208: [-1.11281007 0.61005136 0.30247846 6.02558947 3.58302447
 -0.66898449
 1.60862338 -1.41952807 -0.1227436 -3.41132253 2.03861899 6.35075294
 4.74239183 -4.03364556 2.07920828 -3.34490693]
 Sample 6209: [-1.03407576 0.61796692 0.22058235 5.99578051 3.6311395
 -0.64271895
 1.5829612 -1.3984215 -0.1236123 -3.4420105 2.02544383 6.34731345
 4.79902264 -4.10355326 2.03125801 -3.31140861]
 Sample 6210: [-1.05019747 0.59307927 0.2867329 6.02537449 3.66250737
 -0.56295082
 1.53425513 -1.40718779 -0.20927142 -3.46164118 2.06500879 6.34014441
 4.80929198 -4.07255644 1.95079038 -3.27227122]

Sample 6211: [-0.99262446 0.61965053 0.25468738 6.02330051 3.6894999
 -0.52600113
 1.56949265 -1.39872426 -0.26646875 -3.39615137 2.04498724 6.37697278
 4.77105436 -4.08804642 1.91867363 -3.26991149]
 Sample 6212: [-0.99803166 0.62342322 0.27770154 6.14928581 3.74231668
 -0.49993979
 1.64502668 -1.46424411 -0.25472254 -3.51480389 2.00060249 6.3237083
 4.80353705 -4.07024543 1.95464149 -3.20606248]
 Sample 6213: [-0.98348363 0.63489783 0.24649862 6.21241 3.73190117
 -0.48191045
 1.63955358 -1.49791477 -0.31643241 -3.58443992 1.97944732 6.37530226
 4.84971369 -4.0562577 2.00914633 -3.23163744]
 Sample 6214: [-0.93953471 0.61098913 0.28730703 6.22333446 3.68946701
 -0.4818893
 1.62045241 -1.42489541 -0.25258569 -3.53252255 1.95489372 6.28475102
 4.86937356 -4.02751567 2.01788518 -3.29927328]
 Sample 6215: [-0.9117085 0.62830493 0.22997885 6.22480083 3.70845708
 -0.4896595
 1.63577871 -1.40775583 -0.27058844 -3.48731217 1.9251423 6.22855261
 4.8540245 -4.06072589 1.97177117 -3.32306483]
 Sample 6216: [-0.91414677 0.60977906 0.28236453 6.30854534 3.72238885
 -0.49177494
 1.60528367 -1.43408683 -0.19549567 -3.53878219 1.96955618 6.22341413
 4.83902165 -4.05654484 2.1066126 -3.23120525]
 Sample 6217: [-0.85778678 0.62115301 0.23688037 6.32400194 3.71030719
 -0.53395433
 1.58450925 -1.42979083 -0.22716954 -3.54773478 1.90509989 6.36715341
 4.86815207 -4.02122475 2.11833772 -3.26381545]
 Sample 6218: [-0.87366222 0.60534715 0.26682931 6.32984794 3.81891673
 -0.49575527
 1.5593626 -1.43339921 -0.20454725 -3.56124875 1.77123446 6.44245816
 4.91293506 -3.91139161 2.17007312 -3.19459525]
 Sample 6219: [-0.84646876 0.6324547 0.27755697 6.26135976 3.79587368
 -0.43865884
 1.61298051 -1.4992328 -0.1759917 -3.58477007 1.6424593 6.40718616
 4.92658568 -3.86948159 2.14253048 -3.20107218]
 Sample 6220: [-0.777644 0.6223805 0.25375917 6.26869652 3.74377462
 -0.48565285
 1.60527717 -1.47177976 -0.22726 -3.54255058 1.6987287 6.4449391
 4.92962238 -3.81927015 2.06730263 -3.19091691]
 Sample 6221: [-0.80704745 0.64544859 0.25022234 6.39011944 3.73015618
 -0.46320293
 1.68661004 -1.47323695 -0.23801513 -3.5744871 1.70239684 6.40583993
 4.98761844 -3.76706556 2.05116892 -3.17676734]
 Sample 6222: [-0.67893239 0.64872069 0.24716041 6.36479639 3.75569314
 -0.53252816
 1.71950519 -1.48498802 -0.14754721 -3.52218121 1.68768407 6.36152839
 5.04955062 -3.77239726 2.05391901 -3.19385168]

Sample 6223: [-0.72413827 0.65393096 0.21795298 6.41744738 3.75131919
 -0.48763498
 1.72335419 -1.36770358 -0.07733702 -3.56942412 1.69808147 6.31340805
 4.98553819 -3.73258237 2.05718011 -3.15534244]
 Sample 6224: [-0.63910029 0.63162579 0.21711754 6.46763584 3.82706936
 -0.42275372
 1.61958709 -1.30741209 -0.10797293 -3.57652023 1.68814991 6.34121832
 4.96223895 -3.86631742 2.00533492 -3.26223681]
 Sample 6225: [-0.54127584 0.60813851 0.24558443 6.38057181 3.72049453
 -0.45736937
 1.5901509 -1.35874304 -0.11621908 -3.58475641 1.77641305 6.30092667
 4.96311833 -3.92926647 2.03943657 -3.25136025]
 Sample 6226: [-0.61398277 0.64234987 0.2058389 6.31811916 3.66309821
 -0.39591104
 1.64697163 -1.31189444 -0.11647098 -3.53372924 1.82421068 6.37807744
 4.95943322 -3.81640231 2.13589738 -3.22237372]
 Sample 6227: [-0.5883915 0.63343249 0.21979203 6.35182196 3.74021841
 -0.36191402
 1.64747485 -1.31013505 -0.10186161 -3.52418848 1.78374052 6.3707868
 4.99705227 -3.84722958 2.1497024 -3.20697444]
 Sample 6228: [-0.61221989 0.65549555 0.22852816 6.34835279 3.86495103
 -0.34138784
 1.71226507 -1.35637856 -0.11009027 -3.50826762 1.69621588 6.38873405
 4.94474715 -3.80819485 2.0902998 -3.17571598]
 Sample 6229: [-0.65098936 0.62379184 0.24170176 6.38445763 3.87722671
 -0.32778101
 1.63369884 -1.45727773 -0.02385446 -3.54273194 1.63974589 6.25603444
 4.95195069 -3.7578975 2.13202344 -3.22970817]
 Sample 6230: [-0.69917162 0.63890129 0.25504622 6.43395837 3.77905831
 -0.31608523
 1.66516986 -1.45568328 -0.09345055 -3.55936692 1.66698413 6.28911381
 4.94651911 -3.78967863 2.06923554 -3.18622782]
 Sample 6231: [-0.6214437 0.64739192 0.25034838 6.46392791 3.79526792
 -0.28420667
 1.73395926 -1.51778113 -0.00850199 -3.5702041 1.70278174 6.2567768
 4.96867575 -3.76890611 2.096264 -3.20693489]
 Sample 6232: [-0.66801084 0.62212898 0.29242906 6.41794316 3.78200977
 -0.27469546
 1.61483764 -1.56060957 0.07808039 -3.58669323 1.70079831 6.16905065
 5.0440839 -3.7414724 1.9951423 -3.21816728]
 Sample 6233: [-0.64658862 0.62139739 0.29844918 6.38039392 3.88880843
 -0.26540744
 1.64151954 -1.53453216 0.03501559 -3.55505716 1.71970977 6.16985606
 5.07746405 -3.75628202 2.00652116 -3.24212032]
 Sample 6234: [-0.61821991 0.62874388 0.28883513 6.38664626 3.83999405
 -0.22792723
 1.66767769 -1.5435815 0.04663869 -3.5879264 1.72441599 6.10106572
 5.14268676 -3.82176134 1.89997578 -3.28458693]

Sample 6235: [-0.6079244 0.64283726 0.23526322 6.41572351 3.7517201
 -0.18757296
 1.76089487 -1.54917494 0.0758412 -3.55220057 1.78558104 6.15782008
 5.27951537 -3.78251334 1.80955491 -3.34100005]
 Sample 6236: [-0.55123055 0.6485844 0.28438568 6.43224935 3.7940919
 -0.29654332
 1.77729732 -1.51046588 0.09797636 -3.57262847 1.87591947 6.10772953
 5.25251947 -3.72222194 1.85250328 -3.38660763]
 Sample 6237: [-0.48352975 0.66117208 0.22343447 6.38981001 3.87273811
 -0.33675939
 1.82162221 -1.50144014 0.12173929 -3.58491274 1.83485722 6.12159466
 5.27695766 -3.77565627 1.87804805 -3.32604235]
 Sample 6238: [-0.46721746 0.69007937 0.28484587 6.39362797 3.8607557
 -0.35835588
 1.8822762 -1.53547368 0.0966268 -3.63564515 1.72922784 6.14871027
 5.25794222 -3.78764645 1.86558015 -3.2592285]
 Sample 6239: [-0.34980029 0.68978005 0.21571909 6.4100431 3.85982341
 -0.40014381
 1.82425189 -1.48928952 0.11869559 -3.61324068 1.75369485 6.09145072
 5.20631118 -3.81228769 1.87735276 -3.2934672]
 Sample 6240: [-0.39127231 0.70127525 0.28190873 6.33332632 3.92553439
 -0.41426298
 1.86559536 -1.44168332 -0.00721944 -3.58559089 1.67234112 6.05755
 5.22780018 -3.77753491 1.91997776 -3.3134662]
 Sample 6241: [-0.39562406 0.68260747 0.21621383 6.39304529 3.9402883
 -0.4782957
 1.84361253 -1.43134992 0.0280543 -3.64271078 1.6769165 6.08466981
 5.15890827 -3.75882272 1.98655467 -3.30007149]
 Sample 6242: [-4.48666387e-01 7.01984441e-01 2.59912475e-01 6.34883355e+00
 4.01662357e+00 -5.42387750e-01 1.84723054e+00 -1.43691414e+00
 1.95967800e-03 -3.63849270e+00 1.64862721e+00 6.05839752e+00
 5.18781578e+00 -3.77950837e+00 1.95887656e+00 -3.30915432e+00]
 Sample 6243: [-0.51564463 0.64905957 0.21868709 6.28598138 3.93864016
 -0.54009788
 1.84629563 -1.38310767 -0.06316651 -3.61724584 1.65583518 6.03206447
 5.17391891 -3.80277857 2.02864622 -3.32943568]
 Sample 6244: [-0.61194185 0.71800576 0.21464794 6.28230646 3.95504509
 -0.43759822
 1.94329265 -1.38661074 -0.04885812 -3.6582337 1.69042878 6.00912146
 5.24375821 -3.86540569 2.01921097 -3.19965667]
 Sample 6245: [-0.57377304 0.67251518 0.18511008 6.32482473 3.88486515
 -0.31387269
 1.90134088 -1.32746531 -0.10090342 -3.63878188 1.71297926 6.0382609
 5.3266221 -3.85941075 2.08472924 -3.19554729]
 Sample 6246: [-0.58163042 0.68989836 0.20709158 6.27016203 3.81338845
 -0.28254551
 1.83466697 -1.34934932 -0.15649115 -3.63421829 1.73245423 6.04147986
 5.37877702 -3.86569727 2.05428664 -3.23081807]

Sample 6247: [-0.68106306 0.67435513 0.20129922 6.18977858 3.86681021
 -0.32493718
 1.84875342 -1.34857805 -0.16238113 -3.69221672 1.78744907 6.13170584
 5.37651764 -3.80751781 2.08189093 -3.25068999]
 Sample 6248: [-0.65574478 0.66693296 0.22545523 6.2152479 3.8060161
 -0.42201174
 1.80718478 -1.34489043 -0.16433718 -3.65412533 1.74425386 6.13388026
 5.33320103 -3.8116851 2.11483659 -3.24421196]
 Sample 6249: [-0.72242703 0.67689387 0.1739328 6.18672192 3.88219775
 -0.47341744
 1.81974701 -1.32254335 -0.17832012 -3.57458321 1.79955387 6.12842791
 5.35272421 -3.81094838 2.10677 -3.18620782]
 Sample 6250: [-0.69357934 0.65865819 0.20018271 6.1170493 3.80321185
 -0.4792045
 1.78191731 -1.30787428 -0.13608491 -3.49084502 1.78272018 6.15648802
 5.36392661 -3.74387778 2.04422481 -3.20174973]
 Sample 6251: [-0.63567647 0.65966104 0.1805905 6.13712122 3.77837303
 -0.47178811
 1.76255279 -1.31410203 -0.13469262 -3.49565875 1.85256795 6.19486193
 5.3101692 -3.72359924 2.07740873 -3.26229883]
 Sample 6252: [-0.67660251 0.6515231 0.22718909 6.14570092 3.75963082
 -0.53101514
 1.78824037 -1.33476144 -0.14825548 -3.40821255 1.8873178 6.10830198
 5.23651242 -3.73246076 2.00436626 -3.29869713]
 Sample 6253: [-0.68480122 0.6663778 0.19510054 6.13926271 3.86835264
 -0.49207623
 1.81015018 -1.31815841 -0.12184768 -3.43753439 1.91806579 6.10338628
 5.18715327 -3.74168681 1.9394594 -3.28340245]
 Sample 6254: [-0.7331905 0.66887987 0.20269672 6.19637498 3.89257202
 -0.42342344
 1.86289124 -1.25226374 -0.19132125 -3.42546632 1.94102725 6.08521471
 5.24864055 -3.73737866 1.92320276 -3.28740835]
 Sample 6255: [-0.78894604 0.66956449 0.18602016 6.25983843 3.86071661
 -0.4406193
 1.77939945 -1.31605353 -0.18313279 -3.50940938 1.97888698 6.24774486
 5.14624018 -3.73433178 1.84980781 -3.2059958]
 Sample 6256: [-0.73340927 0.67089375 0.24010213 6.29307579 3.86953484
 -0.42424489
 1.82268711 -1.4089354 -0.12965838 -3.52826375 1.99107443 6.28463453
 5.15389239 -3.66022721 1.86853707 -3.21464215]
 Sample 6257: [-0.78516071 0.69747953 0.22115728 6.31224731 3.80004452
 -0.48171906
 1.94028508 -1.41813871 -0.08656313 -3.55663949 1.93581949 6.39372451
 5.13013684 -3.63698294 1.87345994 -3.27229579]
 Sample 6258: [-0.85702993 0.69028388 0.28516159 6.31177227 3.82181675
 -0.49624127
 1.91694172 -1.44717423 -0.05601168 -3.47247776 1.95941137 6.35880716
 5.06157644 -3.57960819 1.86091641 -3.25969461]

Sample 6259: [-0.81183781 0.68352559 0.28161178 6.35854473 3.81907501
 -0.5178272
 1.86645318 -1.41955136 -0.09676586 -3.46134551 1.99834042 6.31840308
 5.07589589 -3.55975044 1.78007872 -3.18735014]
 Sample 6260: [-0.74882648 0.69294378 0.19387926 6.37283272 3.88426158
 -0.56649463
 1.79707087 -1.42499498 -0.02329868 -3.47808209 1.93057811 6.22035035
 5.12255835 -3.62044773 1.69824307 -3.20635439]
 Sample 6261: [-0.80631436 0.64288189 0.28429809 6.50904872 3.88718105
 -0.64108597
 1.80486272 -1.3926995 -0.06039366 -3.4939403 1.95449172 6.17682397
 5.17157927 -3.63250807 1.66783358 -3.20576309]
 Sample 6262: [-0.80489137 0.68485859 0.24342596 6.58885975 3.87004858
 -0.57082643
 1.78475557 -1.41122786 0.01124175 -3.50700363 1.92861377 6.15634123
 5.17563224 -3.75389074 1.65461822 -3.20505815]
 Sample 6263: [-0.72696643 0.62714072 0.22278399 6.62685719 3.86689628
 -0.54189778
 1.71926801 -1.40651239 0.02299357 -3.40040001 1.88992338 6.10807874
 5.1332497 -3.76662362 1.63909222 -3.15944601]
 Sample 6264: [-0.79919966 0.65913157 0.20488128 6.64381631 3.92075796
 -0.55149943
 1.68243572 -1.35558756 0.011055 -3.37680218 1.87662663 6.05960362
 5.1604967 -3.74842179 1.6760549 -3.20144288]
 Sample 6265: [-0.77788042 0.60865032 0.22663658 6.67955696 3.91458025
 -0.51662434
 1.61607032 -1.41731121 0.03446995 -3.36389623 1.77061121 5.98340413
 5.10838313 -3.70716488 1.57339995 -3.16095762]
 Sample 6266: [-0.77299515 0.64689228 0.23842914 6.69543757 3.95247578
 -0.48981625
 1.65948263 -1.47282882 0.09592467 -3.28101509 1.77317122 5.92425777
 5.13034626 -3.59698513 1.56553407 -3.18807415]
 Sample 6267: [-0.72759033 0.62448591 0.24992468 6.74607805 4.02470315
 -0.51501042
 1.72236358 -1.55101482 0.07248573 -3.19987047 1.70725416 5.79878093
 5.24607437 -3.59459967 1.62981105 -3.24334751]
 Sample 6268: [-0.81335414 0.64081974 0.2576294 6.71974553 4.06328015
 -0.52570746
 1.70328489 -1.53732405 0.07822226 -3.17120963 1.68939192 5.83222309
 5.20926078 -3.59025422 1.64627034 -3.28876098]
 Sample 6269: [-0.7877316 0.59511611 0.24749066 6.76290393 3.97688218
 -0.48298897
 1.58398801 -1.50077114 0.11240433 -3.20008249 1.68152277 5.95217788
 5.24308695 -3.6309345 1.6406566 -3.27155591]
 Sample 6270: [-0.93481034 0.61995425 0.26600706 6.749155 3.99145765
 -0.47561152
 1.5402121 -1.58564208 0.21155508 -3.33493611 1.65530204 6.03672901
 5.19139176 -3.64784494 1.63736317 -3.32339925]

Sample 6271: [-0.8424674 0.54054663 0.27373115 6.7165668 4.04593368
 -0.47476538
 1.41452952 -1.59258387 0.21976342 -3.31720057 1.64262524 6.02026709
 5.22026948 -3.64279604 1.61004069 -3.32365584]
 Sample 6272: [-0.89805724 0.59932543 0.29034741 6.76684851 4.03504911
 -0.44507592
 1.48799265 -1.64537044 0.19921977 -3.26345576 1.6252016 5.87326253
 5.21083675 -3.62205612 1.65932502 -3.4013234]
 Sample 6273: [-0.88335221 0.54893503 0.3086165 6.73624532 3.97682913
 -0.42305852
 1.50311949 -1.61610077 0.14672567 -3.30912506 1.73625081 5.85567079
 5.25524727 -3.61387744 1.6486213 -3.4198375]
 Sample 6274: [-0.8761867 0.59851309 0.313552 6.7676873 3.97466172
 -0.426457
 1.49477432 -1.58149613 0.17291161 -3.27032408 1.76811057 5.80798721
 5.27715047 -3.60228763 1.62259184 -3.43607978]
 Sample 6275: [-0.93569967 0.54010478 0.29372104 6.79742466 3.95691926
 -0.43933082
 1.47746599 -1.64373001 0.09580685 -3.16665181 1.78156446 5.77611471
 5.234084 -3.46886789 1.68964225 -3.45238702]
 Sample 6276: [-0.98466011 0.58306681 0.3241255 6.78983035 3.90962969
 -0.37049153
 1.44817082 -1.56420962 0.10704471 -3.23170511 1.80234288 5.77047712
 5.26052628 -3.47147815 1.74951325 -3.46109127]
 Sample 6277: [-1.03667401 0.53861712 0.28145316 6.84800476 4.00744903
 -0.44069496
 1.47080809 -1.70526453 0.15840411 -3.21659768 1.80317173 5.76744809
 5.28804375 -3.43226656 1.72475251 -3.56303927]
 Sample 6278: [-1.06679628 0.5851057 0.35078119 6.77184523 4.01129884
 -0.45432066
 1.52032249 -1.66463855 0.16383297 -3.14386896 1.80284849 5.7791847
 5.33144143 -3.49492713 1.80088416 -3.54068494]
 Sample 6279: [-1.02813598 0.57514544 0.26152519 6.78456749 3.99467036
 -0.45599468
 1.61502048 -1.59748041 0.16465274 -3.17242089 1.74234545 5.81518913
 5.2868887 -3.47827862 1.76670307 -3.51198027]
 Sample 6280: [-1.06046604 0.60521934 0.30708984 6.79455463 4.00691166
 -0.43190328
 1.59958626 -1.57916342 0.15649534 -3.18670908 1.72988632 5.81456418
 5.30007764 -3.52041188 1.73228365 -3.60374049]
 Sample 6281: [-1.01308491 0.56699047 0.27245893 6.90128277 4.06887525
 -0.54181953
 1.56381498 -1.61458632 0.1887905 -3.18833655 1.81180897 5.80235953
 5.26586897 -3.51094309 1.78912333 -3.56195435]
 Sample 6282: [-1.10221962 0.59922764 0.30774749 6.85894055 4.06848902
 -0.54697137
 1.57662269 -1.57889068 0.20267071 -3.17807728 1.92806133 5.84046519
 5.35673619 -3.58813242 1.84726343 -3.54295719]

Sample 6283: [-1.13668648 0.57890532 0.22509036 6.84128011 3.9822988
 -0.61358948
 1.6219428 -1.49530672 0.26268621 -3.04261194 1.83712895 5.86262327
 5.47636744 -3.58089688 1.80462935 -3.50330847]
 Sample 6284: [-1.25774374 0.61316893 0.31262459 6.75620175 3.94990426
 -0.63841305
 1.62052469 -1.48023368 0.29911886 -3.16711647 1.82240653 5.88272712
 5.38445339 -3.60516604 1.76879625 -3.48631175]
 Sample 6285: [-1.28602507 0.59047639 0.27563617 6.83964049 3.99026504
 -0.62685925
 1.64595769 -1.53500814 0.30060164 -3.22863885 1.86063566 5.97254074
 5.45089131 -3.59406881 1.67560031 -3.46090192]
 Sample 6286: [-1.30766243 0.61325641 0.28845621 6.82527642 4.0773731
 -0.65027492
 1.64021624 -1.5743461 0.32599487 -3.27082427 1.79279759 5.98183432
 5.50088347 -3.59475636 1.60413126 -3.56048093]
 Sample 6287: [-1.32822685 0.59110463 0.27664708 6.76909613 4.01483753
 -0.61927477
 1.6611455 -1.60657941 0.30060892 -3.300264 1.8041582 5.92117735
 5.50029757 -3.55043113 1.57725685 -3.52116917]
 Sample 6288: [-1.18846022 0.62530026 0.27450296 6.75495297 3.94018716
 -0.59359163
 1.65365742 -1.65082693 0.27887855 -3.32462393 1.84631758 5.90903416
 5.4409056 -3.52549793 1.51154845 -3.43769081]
 Sample 6289: [-1.19935647 0.58607973 0.29290701 6.75048932 3.97434793
 -0.60199835
 1.6424849 -1.63057706 0.25617099 -3.30153937 1.92312459 5.90618395
 5.48186157 -3.56883377 1.51813975 -3.47671231]
 Sample 6290: [-1.19178336 0.61348336 0.27580801 6.80947889 4.02012313
 -0.62496084
 1.58843688 -1.65575556 0.22055567 -3.28930107 1.8426146 5.91613242
 5.43383883 -3.51906465 1.53744394 -3.44921469]
 Sample 6291: [-1.2026852 0.5971086 0.29187262 6.85148179 4.04596886
 -0.65092297
 1.65863071 -1.58168185 0.27878987 -3.25463029 1.75244774 5.92300159
 5.46178508 -3.43030394 1.54617585 -3.45028988]
 Sample 6292: [-1.16760024 0.62195982 0.31133344 6.95751273 4.01284461
 -0.62862582
 1.6641519 -1.66689583 0.21498635 -3.35523877 1.64909348 5.87041886
 5.41699766 -3.45177695 1.52090956 -3.4246088]
 Sample 6293: [-1.18697137 0.605555 0.30732492 6.98875456 4.07498406
 -0.63926027
 1.67364512 -1.72787585 0.28760631 -3.30654245 1.5608427 5.96578876
 5.38538721 -3.48389285 1.56737152 -3.43003687]
 Sample 6294: [-1.17448096 0.61397471 0.31874098 7.01052151 3.98968805
 -0.70557682
 1.6233773 -1.7450519 0.3248257 -3.3526499 1.53318829 6.03090259
 5.40470477 -3.48668761 1.5786262 -3.43537853]

Sample 6295: [-1.16999639 0.58338566 0.3125938 6.97279337 3.99157603
 -0.69674989
 1.58180745 -1.75303447 0.41132926 -3.31628222 1.52281032 6.00434863
 5.40004695 -3.54424387 1.59301447 -3.42518212]
 Sample 6296: [-1.22889745 0.62745252 0.34359954 7.00085446 3.95879172
 -0.77060283
 1.66693048 -1.79949588 0.44056181 -3.37072615 1.62258604 6.02680192
 5.36500987 -3.67340994 1.62206678 -3.38763536]
 Sample 6297: [-1.18295828 0.60014071 0.33613116 6.95264058 4.0083965
 -0.74593366
 1.65023164 -1.86382409 0.40756823 -3.42510048 1.54833815 6.03721172
 5.33099852 -3.74404687 1.66035922 -3.42052142]
 Sample 6298: [-1.23194263 0.62736265 0.33487094 6.96606388 4.12810579
 -0.73694077
 1.65159702 -1.85804402 0.3297334 -3.38087262 1.54813919 6.08814293
 5.38036433 -3.74249257 1.68148366 -3.37774295]
 Sample 6299: [-1.22631951 0.6046705 0.3317864 6.98174644 4.19231565
 -0.7878337
 1.64060392 -1.86428375 0.41103103 -3.35941156 1.53579115 6.09684035
 5.37275294 -3.68105088 1.63278556 -3.33611593]
 Sample 6300: [-1.25560817 0.6422156 0.33741472 6.92315582 4.22048952
 -0.8824897
 1.70527001 -1.81374346 0.39195586 -3.32478919 1.57596018 6.0602758
 5.32337068 -3.74550233 1.68443077 -3.38268615]
 Sample 6301: [-1.38123968 0.61788856 0.30879708 6.86743697 4.21148387
 -0.82454752
 1.6545204 -1.7995582 0.43539219 -3.40545173 1.55839688 6.06550591
 5.24919805 -3.72604939 1.68773158 -3.35982085]
 Sample 6302: [-1.38946466 0.63373358 0.33758697 6.89813569 4.10657978
 -0.80641013
 1.72821609 -1.80840581 0.48099988 -3.2905675 1.55937258 6.00856917
 5.21705966 -3.65138571 1.60899576 -3.37387918]
 Sample 6303: [-1.44280143 0.63430827 0.32798813 6.91426492 4.12311062
 -0.73422887
 1.74010351 -1.81141769 0.44318281 -3.25372768 1.57176351 5.93864602
 5.11793113 -3.69947485 1.66109412 -3.40398318]
 Sample 6304: [-1.43896432 0.60858001 0.36827075 6.94426548 4.15392875
 -0.7501203
 1.67566616 -1.92209997 0.39855083 -3.28630277 1.52638152 5.85468564
 5.14938412 -3.75265501 1.57189521 -3.45609627]
 Sample 6305: [-1.37603113 0.62471183 0.36705601 7.04903551 4.2070611
 -0.77226101
 1.70480396 -1.96851135 0.47506008 -3.28636746 1.51333556 5.8765099
 5.17128177 -3.82796135 1.65763029 -3.39638053]
 Sample 6306: [-1.33047504 0.62687406 0.36897441 7.05014828 4.18785266
 -0.75803646
 1.74949476 -1.89924166 0.5492132 -3.26556319 1.48639129 5.90826958
 5.09727117 -3.91313488 1.62829765 -3.43723491]

Sample 6307: [-1.25882783 0.63248875 0.35409542 7.10708834 4.19842178
-0.75142076
1.70943131 -1.90572104 0.57303971 -3.2899098 1.40149926 5.90184634
5.05888921 -3.86022752 1.6680078 -3.42348946]

Sample 6308: [-1.2594736 0.63262157 0.35741759 7.07815237 4.10124034
-0.77316028
1.78289962 -1.85359255 0.57288518 -3.23551575 1.29259626 5.91580729
5.13683319 -3.88100633 1.60140883 -3.35775188]

Sample 6309: [-1.39513928 0.66314391 0.34042675 7.03153796 4.09483484
-0.76692562
1.79183145 -1.87352517 0.58270931 -3.20182834 1.25526103 5.92924863
5.16753107 -3.79571075 1.61569422 -3.27765327]

Sample 6310: [-1.38196735 0.64744407 0.3557396 7.02510497 4.15968623
-0.79741093
1.82566623 -1.94677057 0.62016206 -3.28216157 1.36345174 5.88149716
5.18237542 -3.74679889 1.66442922 -3.28830199]

Sample 6311: [-1.42728441 0.67340546 0.3463805 7.00884261 4.21067031
-0.7838258
1.86385713 -1.8924372 0.71896971 -3.25376236 1.38344404 5.81465788
5.18015481 -3.7624858 1.71223975 -3.31683875]

Sample 6312: [-1.38803589 0.65387124 0.34253922 7.00700088 4.22286462
-0.81020088
1.85870696 -1.88381841 0.7756137 -3.28519322 1.33598806 5.78740279
5.13416122 -3.76701692 1.70761173 -3.27714518]

Sample 6313: [-1.40795331 0.66189848 0.36405511 7.00810945 4.20840417
-0.7287093
1.79978065 -1.82657601 0.72230537 -3.33181569 1.33425615 5.72933531
5.12294233 -3.72567652 1.65000953 -3.2463866]

Sample 6314: [-1.47565012 0.63400939 0.3323878 7.04644916 4.21701093
-0.66439753
1.76338495 -1.77535535 0.71022727 -3.33582788 1.23892612 5.81427602
5.1255874 -3.66748753 1.65643762 -3.27417106]

Sample 6315: [-1.40428218 0.66492858 0.32488655 7.05923735 4.31549899
-0.6287704
1.82518297 -1.73921103 0.70147804 -3.34125314 1.20864575 5.78988937
5.11759543 -3.69376524 1.65314232 -3.28220052]

Sample 6316: [-1.34464651 0.64344252 0.34719301 7.06294345 4.2513256
-0.53325524
1.83410176 -1.77189227 0.68248377 -3.41521503 1.27285747 5.79668823
5.11669498 -3.64330793 1.71677738 -3.3756085]

Sample 6317: [-1.21981138 0.66759723 0.32536493 7.10086828 4.30656728
-0.57215224
1.87110659 -1.74531029 0.62892315 -3.35883701 1.27268753 5.82791124
5.11799742 -3.60913922 1.71790518 -3.48076335]

Sample 6318: [-1.23274826 0.64587861 0.31112752 7.13716538 4.28789079
-0.61882347
1.92508238 -1.65095283 0.70523761 -3.3373081 1.2738622 5.82653337
5.20332855 -3.69045135 1.82456299 -3.56436982]

Sample 6319: [-1.21095478 0.6778693 0.29310594 7.03395435 4.18549115
 -0.66166532
 1.96645027 -1.60521332 0.72685257 -3.42157712 1.26529881 5.73996439
 5.12779653 -3.82337223 1.8924969 -3.61547576]
 Sample 6320: [-1.16355819 0.64461328 0.30544059 6.99444442 4.14232537
 -0.65648679
 1.9183748 -1.61095886 0.73742094 -3.49550736 1.30535787 5.74320767
 5.08190612 -3.87804359 1.89488141 -3.57522335]
 Sample 6321: [-1.1675827 0.68013251 0.30374128 6.90331812 4.15960286
 -0.68610945
 1.94630668 -1.59474359 0.7612713 -3.54343011 1.29089909 5.74307495
 5.12082675 -3.88614587 1.89107156 -3.48999818]
 Sample 6322: [-1.2237653 0.6528226 0.29586063 6.91427709 4.17277496
 -0.69641063
 1.9578805 -1.57416886 0.8199786 -3.49610291 1.27753442 5.63453216
 5.02441105 -3.88123809 1.92562671 -3.54365685]
 Sample 6323: [-1.21026443 0.67196062 0.29551598 6.91951429 4.09785968
 -0.72308053
 1.92289184 -1.56807227 0.88238244 -3.42621595 1.30058146 5.6576459
 5.0092683 -4.02117471 2.0104972 -3.49777647]
 Sample 6324: [-1.19127389 0.63832604 0.29818204 6.92309678 4.17978975
 -0.72326428
 1.90335555 -1.61669419 1.02942851 -3.45109019 1.35926074 5.61745098
 5.01083295 -4.03276748 2.03607443 -3.56465275]
 Sample 6325: [-1.19117972 0.66476783 0.29547712 6.93040831 4.26518302
 -0.75120393
 1.88927935 -1.5567063 1.02990794 -3.51838418 1.3210013 5.68919878
 4.98474608 -4.09000684 2.04314163 -3.51816851]
 Sample 6326: [-1.14157755 0.63246618 0.28780625 6.86231611 4.24848565
 -0.7467458
 1.84948234 -1.52710784 0.98688027 -3.49337715 1.30997179 5.66727493
 5.08149178 -4.0244033 2.07689087 -3.53159371]
 Sample 6327: [-1.1212624 0.62305746 0.28744 6.93646407 4.33487266
 -0.70158079
 1.74539708 -1.51424924 0.92633087 -3.59772393 1.32295368 5.66034557
 5.08338182 -4.03145736 2.09882122 -3.555977]
 Sample 6328: [-1.04491303 0.59905738 0.2729291 6.90886693 4.28686562
 -0.71014744
 1.69243789 -1.47937241 0.8856465 -3.61918679 1.3279166 5.6085434
 5.04203464 -4.0197378 2.0956962 -3.57407982]
 Sample 6329: [-1.01088956 0.61340758 0.28483596 6.916118 4.29775565
 -0.70795063
 1.71355509 -1.54380256 0.97334687 -3.57070179 1.4243536 5.5906582
 5.13026168 -3.98552885 2.16628257 -3.50801681]
 Sample 6330: [-1.00261316 0.62616155 0.31038944 6.89218482 4.27802815
 -0.62519893
 1.78120356 -1.63459803 1.13555959 -3.59554865 1.38086022 5.59319908
 5.14046233 -4.00348609 2.1877927 -3.43657992]

Sample 6331: [-1.0044057 0.62124209 0.30275882 6.90686928 4.25345383
 -0.68184878
 1.73198871 -1.58922084 1.14429111 -3.61089446 1.29361336 5.58045892
 5.24223594 -3.95540421 2.23224012 -3.47126951]
 Sample 6332: [-1.06001057 0.60547951 0.27526834 6.97404958 4.25028335
 -0.69422615
 1.69254603 -1.625875 1.16603362 -3.56260406 1.33739111 5.70598174
 5.16272403 -3.94527996 2.1963757 -3.4659248]
 Sample 6333: [-1.10963234 0.61286484 0.32852176 6.99166305 4.2647281
 -0.71452327
 1.66663313 -1.59631394 1.19524619 -3.56896646 1.35061577 5.69482759
 5.05252033 -3.99009707 2.19777099 -3.43189078]
 Sample 6334: [-1.08151049 0.59665028 0.29177339 6.92769733 4.30265584
 -0.75729136
 1.64686485 -1.66880961 1.20235024 -3.57610806 1.41143995 5.67050209
 5.13653765 -3.93790417 2.27345067 -3.54448521]
 Sample 6335: [-0.98428196 0.59290559 0.35197988 6.84450567 4.2126467
 -0.87034122
 1.65867045 -1.74940211 1.17468581 -3.52921452 1.45105448 5.64525502
 5.19130657 -3.92221796 2.36989326 -3.54998122]
 Sample 6336: [-0.97614855 0.61324214 0.2867425 6.92831754 4.25225701
 -0.80650668
 1.63001393 -1.70007545 1.16404619 -3.4989417 1.53767724 5.70670317
 5.17102337 -3.90519937 2.43158049 -3.49436507]
 Sample 6337: [-0.92755026 0.59085014 0.33576373 6.94025293 4.28572809
 -0.76296568
 1.67540624 -1.63958845 1.1256644 -3.5990485 1.53882985 5.7463868
 5.12436602 -3.91397384 2.52014298 -3.44598317]
 Sample 6338: [-0.97950802 0.63663495 0.27572486 6.88237736 4.30538561
 -0.63395994
 1.67980905 -1.6990541 1.12784294 -3.5335771 1.56839223 5.70808021
 5.12468775 -3.87646489 2.59730644 -3.39864884]
 Sample 6339: [-0.97159668 0.5965343 0.34190148 6.91737864 4.33259631
 -0.60106673
 1.71320348 -1.67328257 1.23583277 -3.49406505 1.66200799 5.79364968
 5.17687475 -3.89146505 2.54507409 -3.44917558]
 Sample 6340: [-0.94454301 0.65753873 0.29282949 6.89563626 4.27217217
 -0.69858661
 1.77047403 -1.70615399 1.23488423 -3.53890293 1.66285344 5.75945094
 5.19295341 -3.89536231 2.51711744 -3.46896596]
 Sample 6341: [-0.95435672 0.61626437 0.34453572 6.89967133 4.246433
 -0.67591089
 1.80556349 -1.66255803 1.31319652 -3.60642673 1.71678392 5.69259663
 5.15313299 -3.954089 2.55983087 -3.44980363]
 Sample 6342: [-0.94130288 0.65834483 0.28055327 6.88466215 4.2374284
 -0.63262676
 1.78820101 -1.70801427 1.34626871 -3.60270675 1.69138393 5.62567914
 5.15095985 -3.93584732 2.55009338 -3.47762837]

Sample 6343: [-0.97028002 0.60780174 0.3495345 6.90926312 4.1779238
-0.69748939
1.80962813 -1.6347145 1.27719892 -3.65890391 1.65836714 5.71391999
5.22558616 -3.94683686 2.52456098 -3.52815275]
Sample 6344: [-0.97979361 0.66403844 0.28456975 6.88758061 4.15929956
-0.69250486
1.83482797 -1.70990241 1.32767331 -3.66014664 1.70790258 5.74846596
5.25731683 -3.93835792 2.50304586 -3.57721029]
Sample 6345: [-0.92766974 0.61405697 0.35967426 6.93814812 4.13160488
-0.66171979
1.82146167 -1.75168212 1.38531778 -3.65043265 1.69935513 5.74766662
5.24850429 -3.83374559 2.47598593 -3.55024034]
Sample 6346: [-0.99289811 0.64205203 0.31090993 6.95081143 4.14480679
-0.6703223
1.75543215 -1.77842549 1.39450506 -3.56249374 1.60402485 5.77586003
5.28594181 -3.7625079 2.44708053 -3.55783583]
Sample 6347: [-0.96640306 0.58999215 0.37105188 6.92075791 4.10191473
-0.69461001
1.67430536 -1.83842492 1.34448287 -3.53707786 1.65426167 5.84741338
5.2634832 -3.79353797 2.51294542 -3.57102348]
Sample 6348: [-1.00359418 0.6318116 0.32669573 6.91266229 4.18708252
-0.63798505
1.71192442 -1.84859644 1.32322198 -3.49147934 1.59565739 5.90499299
5.22455896 -3.78881542 2.5187666 -3.50523165]
Sample 6349: [-0.97724919 0.58481425 0.37390907 6.85650602 4.20641647
-0.59909216
1.63163195 -1.89941275 1.35067007 -3.4690519 1.55769075 5.88820632
5.27573192 -3.87540992 2.56261708 -3.53281259]
Sample 6350: [-0.89678724 0.60054285 0.35243429 6.79022624 4.17955273
-0.64825614
1.6088459 -1.92809809 1.39104311 -3.49689213 1.48972739 5.93159637
5.3080083 -3.89743235 2.55511568 -3.53481687]
Sample 6351: [-0.86428207 0.58451117 0.37512541 6.72820073 4.15131254
-0.60889786
1.57775096 -1.90494173 1.43544483 -3.44992826 1.48771196 5.92339863
5.22582631 -3.92673581 2.6550256 -3.49057818]
Sample 6352: [-0.88637823 0.59330497 0.33696961 6.71225477 4.09859879
-0.54279261
1.60704655 -1.88571972 1.4495847 -3.44252248 1.49832662 5.94005469
5.17182802 -3.84835494 2.57931554 -3.50665863]
Sample 6353: [-0.86177882 0.59971751 0.37263555 6.71506599 4.07986473
-0.54714143
1.64910063 -1.85576696 1.45620046 -3.42302957 1.44134198 5.95849301
5.20016517 -3.82839184 2.54467653 -3.5274897]
Sample 6354: [-0.86411091 0.60367516 0.34337606 6.6728246 4.07250932
-0.58256769
1.66004111 -1.90672551 1.53550867 -3.46416278 1.46944519 6.0187798
5.12912859 -3.90447386 2.61554248 -3.55630044]

Sample 6355: [-0.92914777 0.60506542 0.39633141 6.68672256 4.01417684
-0.587774
1.68401681 -1.96718043 1.49497069 -3.48201122 1.47868149 5.93240016
5.1713949 -3.88632469 2.5854661 -3.56179506]
Sample 6356: [-0.83299806 0.60707574 0.35877728 6.75990792 4.01097716
-0.5762319
1.71550924 -2.00940569 1.50967583 -3.4674197 1.46600487 5.90659194
5.12348808 -3.92715346 2.63444058 -3.63718792]
Sample 6357: [-0.72988531 0.61518669 0.42085828 6.7929797 3.99248091
-0.47672168
1.63355025 -2.0887595 1.50305491 -3.41642015 1.41657354 5.92054763
5.19408972 -3.95992987 2.60867803 -3.60716094]
Sample 6358: [-0.66603211 0.56750969 0.39495994 6.73096764 3.99773563
-0.50985265
1.5823045 -2.16234863 1.4228196 -3.39203557 1.45669882 5.92308642
5.30763851 -3.89042425 2.55636478 -3.5941846]
Sample 6359: [-0.74422114 0.58764351 0.43750989 6.78432753 3.9698467
-0.48761868
1.5127131 -2.17609454 1.40918457 -3.43689481 1.50390667 5.95481774
5.31734006 -3.84205046 2.51772102 -3.52382863]
Sample 6360: [-0.74882128 0.54171359 0.39009773 6.71026652 3.90463906
-0.41810293
1.43870265 -2.15608957 1.35580041 -3.56433645 1.44368833 5.95885808
5.34424256 -3.77519277 2.53525669 -3.48582719]
Sample 6361: [-0.73530282 0.5693031 0.42088262 6.66497504 3.93924407
-0.45635992
1.43170478 -2.10138167 1.32156606 -3.5447955 1.43081021 6.01092305
5.38821124 -3.82391907 2.59550458 -3.48188912]
Sample 6362: [-0.72465281 0.56567998 0.36143098 6.62707983 3.98896825
-0.4744505
1.4941652 -2.05272286 1.34174233 -3.53800745 1.40696255 6.1050404
5.39953945 -3.8669008 2.56412792 -3.43838006]
Sample 6363: [-0.66585814 0.59320434 0.41941739 6.62923053 4.09299348
-0.41782365
1.52050949 -2.09816478 1.40569273 -3.50282313 1.40074808 5.99074601
5.34359743 -3.89614994 2.5128617 -3.39412599]
Sample 6364: [-0.69525763 0.57850823 0.38203207 6.56912623 4.09630065
-0.45048715
1.53122156 -2.09977278 1.45278108 -3.51487916 1.44337805 6.02180781
5.33977085 -3.89170063 2.50421103 -3.38972585]
Sample 6365: [-0.68951994 0.60155886 0.41859579 6.5566834 4.08027951
-0.52285365
1.50199194 -2.13663186 1.34214909 -3.48517362 1.44363634 5.98458721
5.3176606 -4.05348839 2.59936329 -3.32745312]
Sample 6366: [-0.72733682 0.58127229 0.38612022 6.64191757 4.08368771
-0.53799634
1.56536381 -2.13455398 1.35763324 -3.47237034 1.4721755 5.95411389
5.30713968 -4.07831205 2.5625071 -3.32267043]

Sample 6367: [-0.69428649 0.6064035 0.42059531 6.70150168 4.1748349
 -0.61566668
 1.54408103 -2.16173117 1.38425072 -3.4942215 1.54497858 5.95759023
 5.26901656 -4.03381421 2.52969653 -3.39081665]
 Sample 6368: [-0.7142579 0.57836106 0.39622017 6.67563517 4.18568793
 -0.62077505
 1.55330006 -2.10846718 1.39406953 -3.54527353 1.53045079 5.97653688
 5.2312369 -4.00047954 2.61935011 -3.31876015]
 Sample 6369: [-0.72277375 0.61326524 0.40010485 6.67393844 4.2713855
 -0.544872
 1.58020689 -2.10683007 1.33324954 -3.49491345 1.54989769 6.00990503
 5.20185258 -4.00920172 2.67787492 -3.39113774]
 Sample 6370: [-0.76383319 0.59215443 0.39524665 6.71333007 4.31916593
 -0.56810507
 1.58096709 -2.05932624 1.29971675 -3.47972537 1.65609965 6.01503554
 5.18483805 -4.05394067 2.73043978 -3.40213023]
 Sample 6371: [-0.86202278 0.58766653 0.39408863 6.74470672 4.39140664
 -0.59431849
 1.52266295 -2.06980586 1.30243088 -3.554225 1.62668991 5.92721117
 5.22308984 -4.08711177 2.77372343 -3.33953787]
 Sample 6372: [-0.79046844 0.57826562 0.39328498 6.76093462 4.35591895
 -0.50638115
 1.48503155 -2.06012672 1.22953035 -3.69806006 1.59844997 5.94330902
 5.30732981 -4.09726593 2.76870739 -3.27028576]
 Sample 6373: [-0.76371616 0.58753364 0.42037494 6.80246556 4.3912066
 -0.48093144
 1.49424841 -2.17450752 1.18721896 -3.61605042 1.57892039 5.92849768
 5.29945744 -4.13552734 2.74495955 -3.26900796]
 Sample 6374: [-0.72555427 0.58697033 0.40264728 6.80214831 4.32913629
 -0.51927548
 1.52459954 -2.13978306 1.20517144 -3.61092023 1.53387316 5.91937247
 5.25174941 -4.14397465 2.76617359 -3.25936789]
 Sample 6375: [-0.79557406 0.60235475 0.39848738 6.83520158 4.35079258
 -0.50909754
 1.53809371 -2.14442708 1.25867947 -3.55331977 1.51791742 6.0207087
 5.22784014 -4.1360775 2.79147064 -3.23270971]
 Sample 6376: [-0.82631314 0.60001082 0.3868271 6.8716458 4.35888371
 -0.54976999
 1.57532019 -2.12297474 1.29275641 -3.6584204 1.44135307 5.98450587
 5.28637519 -4.08871629 2.79337607 -3.2697031]
 Sample 6377: [-0.83886148 0.5999593 0.40445192 6.82637951 4.28185579
 -0.51280735
 1.53941463 -2.13997297 1.31953921 -3.67446302 1.4355574 5.97714336
 5.30408005 -4.07064945 2.86884223 -3.27230343]
 Sample 6378: [-0.77654638 0.59968019 0.40665841 6.80477255 4.2435685
 -0.56294175
 1.57852926 -2.12643032 1.28865101 -3.77562935 1.45676151 5.95281562
 5.25397248 -4.04750434 2.82277203 -3.24442554]

Sample 6379: [-0.74897787 0.61622842 0.40531263 6.8191805 4.21909579
 -0.45279835
 1.58959662 -2.11882624 1.28801152 -3.84304982 1.49749845 5.97211257
 5.33467688 -4.00889145 2.84384885 -3.2127173]
 Sample 6380: [-0.7101306 0.59967606 0.37564741 6.91831739 4.21352126
 -0.50656067
 1.58689685 -2.10277706 1.25847478 -3.87538937 1.47248265 6.03074781
 5.36545676 -3.91080941 2.91182937 -3.28482352]
 Sample 6381: [-0.78547157 0.6270494 0.40949588 6.97134156 4.21047216
 -0.52258192
 1.61901685 -2.09062697 1.29294392 -3.90652285 1.39806834 6.09176476
 5.3633054 -3.89502282 2.89047973 -3.27334164]
 Sample 6382: [-0.75708934 0.59253701 0.37806219 7.03344433 4.17800681
 -0.5497291
 1.60603638 -2.10119438 1.35820285 -3.8766059 1.43342501 5.99814298
 5.44448834 -3.8690969 2.79444569 -3.3640164]
 Sample 6383: [-0.65350827 0.6390633 0.42034528 6.96848638 4.10767161
 -0.54405517
 1.6786127 -2.15622519 1.41065143 -3.92299693 1.35112835 5.92404023
 5.41096993 -3.85044753 2.71782097 -3.37197058]
 Sample 6384: [-0.69855314 0.59145192 0.40880092 6.91069426 4.15357086
 -0.4526362
 1.65021902 -2.18624904 1.39432915 -3.90161642 1.36427468 5.97594372
 5.40737198 -3.83132275 2.67731049 -3.4568728]
 Sample 6385: [-0.7869868 0.61749723 0.41867663 6.92565016 4.11160834
 -0.44753819
 1.61702232 -2.14101228 1.46496037 -4.01420405 1.33836061 6.00195901
 5.38737722 -3.83140485 2.58655955 -3.43703941]
 Sample 6386: [-0.81950708 0.6036344 0.41285246 6.92472684 4.05215455
 -0.41073125
 1.63550811 -2.20550144 1.42439906 -4.0373435 1.38678975 6.08484662
 5.42640489 -3.79975309 2.5586293 -3.4643953]
 Sample 6387: [-0.84904924 0.62147612 0.42727982 6.87626862 3.98198702
 -0.33571385
 1.69696299 -2.22011819 1.42527524 -4.04601651 1.36041255 6.00072634
 5.44667286 -3.76803803 2.55457758 -3.48270035]
 Sample 6388: [-0.84847141 0.61700682 0.40649283 6.83745699 4.03803805
 -0.27179054
 1.69623735 -2.19236315 1.44477021 -4.06828692 1.35082267 6.02289092
 5.52090185 -3.78633323 2.63792091 -3.49987963]
 Sample 6389: [-0.83235048 0.60529993 0.42287216 6.98837095 3.98963222
 -0.17071847
 1.66076698 -2.14385076 1.49211157 -4.02260198 1.32065204 6.01865643
 5.56081853 -3.8006464 2.57743261 -3.50780711]
 Sample 6390: [-0.82604659 0.59740939 0.39395646 6.9721637 4.0015787
 -0.17422723
 1.60587986 -2.12793127 1.46400209 -3.98446206 1.31507239 6.01837437
 5.49506956 -3.83903218 2.55546252 -3.48375134]

Sample 6391: [-0.80798768 0.56472369 0.41257172 7.00050254 4.05852221
 -0.19064155
 1.48664471 -2.13110627 1.48712166 -4.09443366 1.25226818 5.98790695
 5.51595033 -3.93019001 2.51642994 -3.47981185]
 Sample 6392: [-0.80257209 0.58380723 0.38414105 6.96051465 4.06111266
 -0.20796656
 1.49594196 -2.13592384 1.50237295 -4.1805508 1.25805473 6.06642072
 5.53226091 -3.97025627 2.6090855 -3.49304277]
 Sample 6393: [-0.88147745 0.54654244 0.41871878 6.97303969 4.03691062
 -0.19580755
 1.43471256 -2.08277496 1.49384169 -4.16520016 1.3114947 6.08873558
 5.52431106 -4.01198654 2.72239926 -3.50986927]
 Sample 6394: [-0.81609214 0.56796146 0.37556052 6.88542866 4.09725869
 -0.22998869
 1.42388179 -2.11827765 1.46537388 -4.16949008 1.33169554 6.08186209
 5.65264491 -3.94746869 2.74215257 -3.57437272]
 Sample 6395: [-0.8089823 0.5212779 0.42397531 6.8465659 4.11199593
 -0.1746413
 1.33695115 -2.09746904 1.33614491 -4.1896518 1.36886376 6.1121525
 5.69143392 -3.93396621 2.76361803 -3.63891768]
 Sample 6396: [-0.8591026 0.53959809 0.38223165 6.88110087 4.13321848
 -0.14794954
 1.39171199 -2.13997945 1.39797986 -4.18262203 1.31043614 6.06813742
 5.66120865 -3.9396196 2.71644783 -3.6541562]
 Sample 6397: [-0.95614946 0.55763183 0.42359007 6.90413448 4.12561593
 -0.15007689
 1.50199752 -2.12386806 1.33587141 -4.1358002 1.27319671 6.02237527
 5.59941258 -3.91090064 2.66775143 -3.58347249]
 Sample 6398: [-0.91051186 0.5857832 0.38890043 6.8777664 4.10430887
 -0.16624356
 1.49119502 -2.15230895 1.4161257 -4.12907869 1.27791083 6.01103159
 5.69228732 -3.81419061 2.67210629 -3.54694375]
 Sample 6399: [-0.89389144 0.57345133 0.4040558 6.82849396 4.13957379
 -0.0891051
 1.52617519 -2.09208047 1.4826893 -4.12971286 1.31864442 6.00348903
 5.73211668 -3.91226586 2.61570059 -3.54942049]
 Sample 6400: [-0.92905037 0.56646468 0.35400054 6.87990314 4.14349291
 -0.07570909
 1.51642543 -2.00996284 1.46242458 -4.08950157 1.32992945 5.98770358
 5.75009777 -3.86806945 2.69610894 -3.57347985]
 Sample 6401: [-0.85165129 0.58655793 0.37239064 6.8984416 4.17470509
 -0.10536758
 1.55745126 -1.94185988 1.42571898 -4.08069477 1.33381958 6.06372192
 5.71553349 -3.88395765 2.69051951 -3.62197014]
 Sample 6402: [-0.8028042 0.5382837 0.36571679 6.82301567 4.25075974
 -0.08696432
 1.46380324 -1.934707 1.47176434 -4.11125621 1.34124193 6.09031798
 5.77202353 -3.82424807 2.72531739 -3.70190255]

Sample 6403: [-0.72320762 0.54228364 0.34551087 6.80512997 4.23133402
 -0.07801909
 1.35469448 -1.98788723 1.52744945 -4.05984161 1.38906692 6.07969869
 5.75292667 -3.82636706 2.73266246 -3.61048828]
 Sample 6404: [-0.73585861 0.51377694 0.39946322 6.80817178 4.21811973
 -0.10156078
 1.34441651 -1.95869455 1.57219631 -4.09150431 1.46524538 6.08003454
 5.71687427 -3.79177534 2.74623643 -3.65245993]
 Sample 6405: [-0.76865109 0.54850187 0.33754494 6.81936735 4.17597885
 -0.12550539
 1.37327452 -1.90651943 1.59721286 -4.1081808 1.42155939 6.04777007
 5.68795839 -3.80334935 2.76047139 -3.67686857]
 Sample 6406: [-0.86146957 0.53582374 0.36345344 6.7781222 4.19999231
 -0.10703378
 1.39707331 -1.87359579 1.61522032 -4.20265634 1.32659278 6.01556894
 5.77423754 -3.77325537 2.70775427 -3.75536217]
 Sample 6407: [-0.86712879 0.53232153 0.31485256 6.72487361 4.21465743
 -0.11688514
 1.39843806 -1.81903606 1.60579248 -4.2119118 1.26939104 6.06358612
 5.82898959 -3.76733857 2.70445303 -3.75349548]
 Sample 6408: [-0.87365638 0.53085219 0.36620814 6.67116583 4.29105346
 -0.13548932
 1.40156268 -1.83716398 1.6019957 -4.30604208 1.31248116 6.01642304
 5.80705913 -3.74377069 2.71925228 -3.74185314]
 Sample 6409: [-0.87259091 0.54818113 0.3268116 6.65086204 4.42930661
 -0.2160013
 1.44943074 -1.87637582 1.62460926 -4.26663886 1.21621839 6.01499811
 5.69750822 -3.81516998 2.74622432 -3.77238437]
 Sample 6410: [-0.82632009 0.57382895 0.37132115 6.66392077 4.41024024
 -0.23761506
 1.55564971 -1.85296777 1.65647155 -4.25287192 1.12709728 6.04655486
 5.79343746 -3.87938248 2.79116406 -3.82680898]
 Sample 6411: [-0.77678912 0.60516897 0.33905141 6.67387755 4.31866618
 -0.24921226
 1.64640569 -1.88014902 1.66669659 -4.20638378 1.12649919 5.98236604
 5.7955839 -3.92134199 2.73977437 -3.79490626]
 Sample 6412: [-0.77004859 0.55410329 0.35201022 6.76493437 4.28188616
 -0.14492931
 1.63425977 -1.84231656 1.69494933 -4.2013778 1.06177219 6.02466936
 5.68677658 -3.95454099 2.71869721 -3.82689091]
 Sample 6413: [-0.81550967 0.60194954 0.34470775 6.73963573 4.31000272
 0.0261748
 1.62023888 -1.85809187 1.67263814 -4.17834264 1.03321285 6.0190857
 5.67660077 -3.99110425 2.6536485 -3.87732782]
 Sample 6414: [-0.83330767 0.55193031 0.35444806 6.71909963 4.39810536
 0.0417552
 1.65251879 -1.85543051 1.62674745 -4.22901886 1.0265137 6.099389
 5.65225878 -4.00833976 2.61296939 -3.88504047]

Sample 6415: [-0.84650189 0.60060275 0.3491823 6.66576712 4.30601344
0.04875116
1.63115966 -1.84506603 1.52084004 -4.19874386 1.02755606 6.17713489
5.62203652 -4.01696025 2.76432185 -3.99172881]
Sample 6416: [-0.84312062 0.5400444 0.34906886 6.52943921 4.26882504
0.10853706
1.61702634 -1.82877252 1.57202897 -4.13193737 0.97281496 6.17571808
5.65759942 -3.92983203 2.76292722 -3.95083114]
Sample 6417: [-0.8193506 0.60722235 0.33834958 6.47077002 4.23635342
0.09556984
1.64052063 -1.79376361 1.5757378 -4.09737283 0.94306511 6.23004953
5.66886216 -3.96889197 2.76145657 -3.91163584]
Sample 6418: [-0.81790473 0.53251115 0.33385757 6.43195021 4.16921628
0.10797231
1.51801801 -1.80772733 1.56309159 -4.08143539 0.96255341 6.24577603
5.6795827 -3.95139573 2.78022247 -3.88894096]
Sample 6419: [-0.79050689 0.58538042 0.3411918 6.40237358 4.15463046
0.11161808
1.500309 -1.8203685 1.52605853 -4.22531077 0.96691273 6.26404434
5.66344371 -3.89188177 2.79295273 -3.79006389]
Sample 6420: [-0.76575402 0.55268519 0.35058099 6.34710365 4.10206232
0.10368687
1.56531999 -1.82922144 1.48032824 -4.26143354 0.86843057 6.31492907
5.58583628 -3.88264843 2.76716053 -3.79313352]
Sample 6421: [-0.87431956 0.59887197 0.35490595 6.26001782 4.09380791
0.12455097
1.57350045 -1.87870909 1.45099741 -4.25772402 0.85448176 6.41331987
5.59641701 -3.8991874 2.7286614 -3.82658481]
Sample 6422: [-0.92395104 0.58464912 0.35898669 6.30890103 4.04307309
0.12182504
1.59840627 -1.8811168 1.51423296 -4.30649795 0.8638961 6.40042969
5.64900411 -3.86111167 2.74889755 -3.79135243]
Sample 6423: [-0.96452284 0.59103015 0.35006533 6.34987894 4.01745298
0.17219803
1.59332369 -1.90072086 1.52510297 -4.27550897 0.81935348 6.52153632
5.63068773 -3.86713852 2.7421508 -3.71335143]
Sample 6424: [-0.95460425 0.60295829 0.37650813 6.38280712 4.12081529
0.07333909
1.6046507 -1.95098996 1.60342379 -4.24295768 0.75695003 6.3983081
5.59075052 -4.0138035 2.75115706 -3.70342656]
Sample 6425: [-1.00864578 0.55334057 0.36582397 6.31408335 4.03729136
0.08552503
1.47669058 -1.94522475 1.55226016 -4.27440031 0.69923358 6.53370492
5.53781096 -3.94256215 2.80970605 -3.70298074]
Sample 6426: [-0.97870988 0.57261982 0.37624654 6.28119121 4.08544542
-0.00805584
1.46668443 -1.94932021 1.54795323 -4.23986645 0.70197371 6.55818798
5.48434245 -3.92298144 2.80894871 -3.64935213]

Sample 6427: [-0.97974321 0.54601338 0.36923189 6.32992587 4.1831399
0.02539763
1.4057801 -1.96220135 1.54126962 -4.36253263 0.66686318 6.62991
5.47289549 -3.96371797 2.74765809 -3.58361907]

Sample 6428: [-0.94171795 0.55991078 0.32818561 6.36446443 4.17910448
0.04951002
1.40845311 -1.83428945 1.53967167 -4.34957225 0.61717528 6.6535601
5.46534094 -3.92956165 2.84343923 -3.59517207]

Sample 6429: [-0.99478832 0.56139437 0.34805279 6.33479743 4.25748968
0.05702981
1.40532457 -1.86105747 1.52760443 -4.41360254 0.57680596 6.71378694
5.48371279 -3.93695482 2.86253755 -3.63346699]

Sample 6430: [-1.03910034 0.56486471 0.3369033 6.29603612 4.35507769
0.06990492
1.44402593 -1.85914517 1.49420032 -4.39518828 0.61437511 6.7310504
5.41170892 -3.87769305 2.92322303 -3.59246345]

Sample 6431: [-0.93920531 0.56461319 0.36030706 6.20897595 4.34675161
0.10087633
1.38520701 -1.83217618 1.6492776 -4.45025165 0.62809819 6.74641924
5.33147381 -3.88955966 2.91463235 -3.54023582]

Sample 6432: [-1.02737031 0.5492533 0.35734695 6.26436409 4.33220106
0.17066367
1.42935334 -1.95703961 1.67182769 -4.4487575 0.60216844 6.78144759
5.29465287 -3.86506668 2.97523043 -3.57288397]

Sample 6433: [-0.94064247 0.59990159 0.38930158 6.23477774 4.33612615
0.20891111
1.50366644 -1.96259974 1.63561571 -4.38048179 0.5737139 6.75672374
5.30607615 -3.85437079 3.01131826 -3.61166989]

Sample 6434: [-1.01086058 0.56353843 0.35397373 6.19178738 4.38472262
0.25695787
1.49404335 -1.9317128 1.62059804 -4.29904162 0.62008946 6.72239864
5.2370084 -3.8180472 3.02276925 -3.64813574]

Sample 6435: [-0.96584055 0.58623026 0.36755048 6.16004531 4.37610627
0.15395854
1.53085712 -1.8518685 1.62253413 -4.26670625 0.57529718 6.65900377
5.22072959 -3.81726578 3.06665339 -3.63148776]

Sample 6436: [-0.95856031 0.56906674 0.32488856 6.17827832 4.33789247
0.1806416
1.49433986 -1.8153055 1.53703872 -4.23813258 0.60646214 6.59833765
5.20276386 -3.83583095 3.10739364 -3.60949382]

Sample 6437: [-0.89124653 0.59040604 0.36731539 6.1294211 4.41755596
0.16424872
1.5155041 -1.83390261 1.53092343 -4.19275437 0.67190073 6.64962615
5.23488001 -3.89284056 3.06068216 -3.52310087]

Sample 6438: [-0.88166683 0.58240382 0.33073962 6.10979396 4.3932158
0.13385198
1.53568601 -1.86905129 1.50935246 -4.27021356 0.73378844 6.71989686
5.17894082 -3.84434408 3.14024097 -3.51297746]

Sample 6439: [-0.88820849 0.5987872 0.37930497 6.1233163 4.34243422
0.11582371
1.50892871 -1.89265484 1.6006858 -4.26150981 0.81876446 6.70342349
5.2187093 -3.80543203 3.13641687 -3.49170595]

Sample 6440: [-0.88453129 0.57269025 0.33708818 6.10583284 4.37084876
0.05149413
1.50876844 -1.89084479 1.53738199 -4.24973152 0.79423686 6.68016498
5.2462741 -3.90466533 3.03050735 -3.51360665]

Sample 6441: [-0.84768122 0.57304164 0.36943683 6.06117945 4.414794
0.08158203
1.44961316 -1.83752301 1.40632186 -4.17319954 0.76677022 6.66387204
5.10889448 -3.81435257 3.04872866 -3.59322508]

Sample 6442: [-0.92408068 0.57781237 0.33600331 6.0515683 4.4831449
0.13484638
1.54102986 -1.87563285 1.47329926 -4.09195513 0.79740167 6.73194241
5.11159929 -3.85396762 3.06722832 -3.6202485]

Sample 6443: [-0.82461589 0.60190031 0.37132873 5.94304677 4.58196256
0.15655926
1.60692236 -1.83824446 1.52629087 -4.11905427 0.69962735 6.65913808
5.18271647 -3.81775602 2.95148699 -3.65567087]

Sample 6444: [-0.8908944 0.59983106 0.33207849 5.93542818 4.61629416
0.16808971
1.65045836 -1.86064113 1.57122366 -4.09236038 0.70591786 6.65062133
5.18978013 -3.81033495 2.88483946 -3.6232159]

Sample 6445: [-0.94829246 0.63221334 0.37402267 6.00725673 4.61728008
0.14683864
1.67592194 -1.85152727 1.5473374 -4.11652516 0.66353094 6.65410699
5.19804515 -3.88804122 2.84973584 -3.56059123]

Sample 6446: [-0.9312947 0.63032847 0.32827602 6.11384742 4.60017363
0.25461661
1.73907684 -1.84789459 1.55746489 -4.13307648 0.6782528 6.71063091
5.16459998 -3.93451657 2.83483835 -3.51585003]

Sample 6447: [-0.91704925 0.65266469 0.36198391 6.20477247 4.53082612
0.1580164
1.73596927 -1.81405831 1.58879694 -4.09188522 0.61585655 6.71275295
5.14615103 -3.91902148 2.85331012 -3.56143801]

Sample 6448: [-0.91325156 0.61471332 0.29179437 6.19745301 4.54258843
0.21304489
1.71460051 -1.69291569 1.6344782 -4.13241571 0.58928909 6.69839512
5.15719972 -3.92104752 2.78723384 -3.4963429]

Sample 6449: [-0.9425153 0.65641425 0.32170507 6.28880135 4.52002165
0.248125
1.70970061 -1.65353003 1.55231608 -4.15019249 0.7205016 6.67325133
5.14323924 -3.90643886 2.76485736 -3.42732648]

Sample 6450: [-0.99421615 0.59839565 0.2968431 6.23443383 4.50984957
0.31706456
1.59964168 -1.66483034 1.63061618 -4.14172034 0.7646698 6.62461309
5.09641466 -3.83864401 2.82733334 -3.47945894]

Sample 6451: [-0.98259521 0.61001642 0.31384753 6.18420439 4.53888862
0.37443938
1.58535591 -1.64238658 1.57992632 -4.00540267 0.71070201 6.57123017
5.11980254 -3.88950794 2.75430011 -3.4654235]
Sample 6452: [-0.92386045 0.57806187 0.27467295 6.18726707 4.48938698
0.45513952
1.49780739 -1.55298563 1.67822417 -4.00005069 0.69157142 6.57449384
5.08540342 -3.87786405 2.76771618 -3.48776229]
Sample 6453: [-0.92343458 0.6047633 0.33398155 6.20430906 4.44601595
0.43359455
1.55117008 -1.64249139 1.68392541 -3.97305543 0.65339611 6.6486853
5.05530344 -3.89629227 2.74518398 -3.48897656]
Sample 6454: [-0.88793617 0.58812426 0.27508581 6.16699495 4.50302265
0.41376164
1.56618122 -1.61379427 1.7355524 -3.97181545 0.59755846 6.55186338
5.15248662 -3.75986939 2.79024552 -3.54759462]
Sample 6455: [-0.98058338 0.60080458 0.33871495 6.15789688 4.46540731
0.50912665
1.52381332 -1.60747169 1.70322885 -3.96495555 0.57625843 6.61041678
5.1470664 -3.72538967 2.81332485 -3.47021759]
Sample 6456: [-1.00810441 0.58022707 0.28616147 6.12252577 4.42705514
0.43474883
1.46937204 -1.70915644 1.70334804 -3.94147 0.57023464 6.47835105
5.10295008 -3.7374036 2.79815788 -3.38495766]
Sample 6457: [-1.03997791 0.56358653 0.33313774 6.16662839 4.4225759
0.44928448
1.41926587 -1.64525049 1.76035341 -3.90092831 0.53493237 6.41240337
5.08661816 -3.7077634 2.79132339 -3.46454394]
Sample 6458: [-0.96334249 0.56701158 0.28357273 6.17696304 4.32701662
0.4797173
1.44587498 -1.67683976 1.67901556 -3.88262874 0.4481451 6.37593107
5.05509109 -3.63702976 2.74467029 -3.40906504]
Sample 6459: [-1.01061028 0.57805411 0.33156726 6.22027703 4.35319643
0.52617669
1.46239052 -1.68728817 1.67729754 -3.87485689 0.48482311 6.38635558
5.11981272 -3.6715205 2.70817689 -3.41598469]
Sample 6460: [-1.06551847 0.56417679 0.31596534 6.32996636 4.47436745
0.54705339
1.45177916 -1.73318233 1.6637866 -3.89654836 0.46460368 6.34943922
5.10774022 -3.72668712 2.706463 -3.47390778]
Sample 6461: [-1.01692244 0.57438882 0.33430951 6.28614672 4.48543027
0.46757553
1.47707931 -1.68778923 1.65248831 -3.88231916 0.42281162 6.31871002
5.10355819 -3.71258919 2.69261145 -3.50392406]
Sample 6462: [-0.96407876 0.58183734 0.29729975 6.34422881 4.55526112
0.41334607
1.55322146 -1.67928655 1.61764249 -3.90828563 0.52832004 6.24617373
5.06718872 -3.73340027 2.65747171 -3.59121936]

Sample 6463: [-0.87871139 0.57554962 0.31569267 6.28143799 4.52789682
0.41218153
1.50503908 -1.55735909 1.51007711 -3.85356754 0.63238258 6.24120985
5.03906181 -3.81201305 2.6687422 -3.57571512]
Sample 6464: [-0.90161374 0.58368522 0.2709346 6.28680443 4.49959936
0.35582214
1.52728016 -1.57024022 1.49311579 -3.80052269 0.64352039 6.19857393
5.01929761 -3.73443668 2.72196753 -3.6034343]
Sample 6465: [-0.81212499 0.55667705 0.31052352 6.32570698 4.54742635
0.44449223
1.46554732 -1.51300732 1.45642647 -3.78552751 0.6321128 6.24048357
4.98462643 -3.77880547 2.70704102 -3.56476823]
Sample 6466: [-0.79049025 0.59373915 0.26380693 6.34938173 4.60007237
0.49323892
1.53843407 -1.55036923 1.43705624 -3.83259731 0.72876446 6.19868238
5.00247083 -3.80613223 2.74448453 -3.5409391]
Sample 6467: [-0.75091766 0.56172654 0.32222957 6.39409549 4.5996403
0.48383646
1.46604574 -1.54907634 1.44984345 -3.80467912 0.67044638 6.16249269
4.94061034 -3.85889737 2.68182781 -3.55161733]
Sample 6468: [-0.67870263 0.54234307 0.28100508 6.44220798 4.6658031
0.52917552
1.42134673 -1.62787699 1.40470216 -3.82390523 0.66319619 6.15895216
4.94402652 -3.87561158 2.72758012 -3.62512792]
Sample 6469: [-0.69660748 0.55026608 0.33960903 6.4548741 4.63361839
0.65160603
1.40122243 -1.64064631 1.44707083 -3.77742292 0.64013712 6.18337898
4.98408134 -3.83160998 2.72370146 -3.59938402]
Sample 6470: [-0.64954431 0.55765108 0.27021096 6.41517743 4.63647441
0.6880873
1.4423157 -1.58429664 1.43286303 -3.77926079 0.57096739 6.26690071
5.00269713 -3.74481815 2.81365027 -3.60674226]
Sample 6471: [-0.69618966 0.53327629 0.32644343 6.44676215 4.64727684
0.7581473
1.3849964 -1.576024 1.44220361 -3.68464524 0.51905199 6.19654626
5.01541726 -3.80843515 2.82064757 -3.63105182]
Sample 6472: [-0.67164298 0.54716475 0.26435322 6.46251073 4.60498985
0.79257258
1.35912306 -1.55121214 1.47802979 -3.71602415 0.52397418 6.23651332
5.01844115 -3.78069966 2.86864192 -3.6245219]
Sample 6473: [-0.6395712 0.52415121 0.31756498 6.48522875 4.68175026
0.81114711
1.33529693 -1.53349642 1.568428 -3.81549645 0.58073923 6.28138896
4.99053503 -3.72633014 2.86224303 -3.69104842]
Sample 6474: [-0.75118702 0.53456977 0.27652234 6.50054021 4.68685251
0.79963803
1.39073149 -1.58212523 1.55660096 -3.82288809 0.54924895 6.25783253
4.94912598 -3.74981613 2.90389991 -3.76130321]

Sample 6475: [-0.76610946 0.56284417 0.33609219 6.49503524 4.69213962
0.77968447
1.44721565 -1.61259865 1.52872045 -3.84392749 0.51689263 6.24658473
4.97352783 -3.70730583 2.92607125 -3.71009176]

Sample 6476: [-0.68320436 0.55652776 0.29629098 6.46110354 4.75426976
0.77723765
1.53481253 -1.6896485 1.51130775 -3.85676294 0.51547361 6.32092469
4.95863253 -3.67103778 2.92326092 -3.77447643]

Sample 6477: [-0.7258435 0.59931261 0.33464625 6.45546669 4.72744331
0.75117062
1.56559467 -1.66443662 1.42730696 -3.84699031 0.47176429 6.19563185
4.98816111 -3.67534806 2.9570874 -3.70375672]

Sample 6478: [-0.71920025 0.56004932 0.2962053 6.44630705 4.62893664
0.82895469
1.55539599 -1.62779636 1.46810835 -3.92509308 0.52313215 6.18974795
5.0264704 -3.62916615 2.96169426 -3.65273034]

Sample 6479: [-0.63533236 0.58771192 0.3097856 6.4506528 4.62927154
0.81553494
1.52781281 -1.57052694 1.4431607 -3.88696415 0.44161482 6.24837233
5.04846136 -3.56795167 2.90486218 -3.65556463]

Sample 6480: [-0.60071167 0.61062905 0.30844059 6.50926617 4.57431077
0.8345341
1.59484166 -1.68545434 1.48038025 -3.88917255 0.4394241 6.28711004
4.95588455 -3.58026787 2.83390055 -3.65274571]

Sample 6481: [-0.65085424 0.57310987 0.32001066 6.48375507 4.64171611
0.76769353
1.58631211 -1.62419765 1.39948409 -3.87351541 0.47970579 6.24284803
5.0018856 -3.63979209 2.87428336 -3.64840696]

Sample 6482: [-0.72319049 0.57026204 0.31912812 6.55053403 4.64828652
0.70197796
1.5188965 -1.66821793 1.43014849 -3.80747734 0.46125004 6.18839887
5.00905972 -3.59634536 2.86853493 -3.71468512]

Sample 6483: [-0.65299604 0.548829 0.31120832 6.55765269 4.63221608
0.68830751
1.50367353 -1.65467128 1.40543854 -3.80501566 0.46035169 6.19324694
5.02750831 -3.64430428 2.92834445 -3.71810597]

Sample 6484: [-0.66236497 0.57541947 0.32715617 6.44192381 4.59796162
0.70062895
1.49744837 -1.70207893 1.34818169 -3.85545925 0.48632025 6.19922531
5.03721871 -3.62908439 2.87995754 -3.77289073]

Sample 6485: [-0.69049478 0.52246275 0.33903106 6.49627216 4.63502064
0.62304476
1.448773 -1.7809748 1.4373377 -3.877684 0.48937174 6.13962923
5.15130062 -3.68052702 2.87716141 -3.78000423]

Sample 6486: [-0.79226893 0.54944539 0.35596652 6.44907681 4.61593406
0.5814445
1.41727476 -1.84041348 1.42248149 -3.99067228 0.48517522 6.15962296
5.22181806 -3.69128944 2.86488585 -3.83636363]

Sample 6487: [-0.80368032 0.51884037 0.35141283 6.49420474 4.67113443
0.63239918
1.39631024 -1.85242473 1.39493935 -3.89525467 0.46386704 6.22079744
5.1964721 -3.70106656 2.83485209 -3.90276487]
Sample 6488: [-0.87635735 0.54729556 0.35904297 6.44497426 4.58849776
0.68597302
1.46471877 -1.86461806 1.36592813 -3.91624886 0.52208403 6.13100294
5.28045642 -3.67406821 2.8066331 -3.91864849]
Sample 6489: [-0.87232771 0.53799954 0.37871543 6.51670878 4.55458236
0.66841465
1.49537207 -1.94140266 1.35160297 -3.87188752 0.47229078 6.18644704
5.28127152 -3.7474409 2.82551966 -3.85442811]
Sample 6490: [-0.88468152 0.55700206 0.35350773 6.44649399 4.52605301
0.67606482
1.51790607 -1.86804697 1.34503806 -3.86200384 0.48670131 6.21487393
5.22718117 -3.67840823 2.79615511 -3.90301002]
Sample 6491: [-0.86137927 0.55512314 0.37356471 6.49797501 4.50417091
0.59362523
1.56371348 -1.87615804 1.35659799 -3.85788117 0.47390795 6.19726417
5.19146068 -3.66898088 2.82227727 -3.91622194]
Sample 6492: [-0.85554202 0.56135684 0.35880059 6.43775463 4.42754321
0.57108024
1.55217548 -1.90550751 1.3635887 -3.83824013 0.46979097 6.20353003
5.26127776 -3.60565884 2.63488633 -3.89106847]
Sample 6493: [-0.94541084 0.54955172 0.37030414 6.48941748 4.43790723
0.60267317
1.48443005 -1.86211859 1.32667637 -3.76707658 0.50420722 6.10991939
5.22523112 -3.5925385 2.60936218 -3.87010348]
Sample 6494: [-0.89765139 0.55194172 0.34090039 6.4538382 4.45745685
0.63938694
1.4525917 -1.8862595 1.36598051 -3.773012 0.46820359 6.19799864
5.22625306 -3.53106913 2.58736559 -3.79239755]
Sample 6495: [-0.88327698 0.55079642 0.38009402 6.45179883 4.44415989
0.57715315
1.50866073 -1.9090025 1.27333276 -3.80749903 0.45426091 6.20256259
5.25083353 -3.47818658 2.54137656 -3.8013132]
Sample 6496: [-0.91857771 0.5640798 0.33322309 6.58147079 4.47778327
0.50092861
1.47231303 -1.84959391 1.25743921 -3.8340645 0.44846971 6.19007446
5.30513581 -3.50358356 2.52055671 -3.78998099]
Sample 6497: [-0.91519702 0.53783529 0.37441217 6.54438382 4.4084549
0.54514205
1.47207218 -1.85869217 1.21853491 -3.91568111 0.45666017 6.23991008
5.25571775 -3.45167977 2.59212494 -3.80789106]
Sample 6498: [-0.83815054 0.55912725 0.34419744 6.54913522 4.38349475
0.47479702
1.48325359 -1.88561007 1.21780069 -3.87387041 0.36210887 6.24546208
5.27947153 -3.54455809 2.59669961 -3.76408957]

Sample 6499: [-0.868526 0.530967 0.35781809 6.55950829 4.44869133
 0.50055196
 1.40589091 -1.79383175 1.18379231 -3.93245824 0.35325371 6.21503381
 5.30255382 -3.41787175 2.59751013 -3.78719021]
 Sample 6500: [-0.89372606 0.56004116 0.3380327 6.59392855 4.45775309
 0.58965081
 1.41044291 -1.86977725 1.19089742 -3.93174138 0.32658366 6.19198396
 5.28713979 -3.51128735 2.59718399 -3.69098739]
 Sample 6501: [-0.89901445 0.51402136 0.37229436 6.57314154 4.39254667
 0.58726015
 1.30243945 -1.87905566 1.15756705 -3.87462419 0.29282576 6.17187936
 5.32017712 -3.44135692 2.62577493 -3.67587523]
 Sample 6502: [-0.83787349 0.51148013 0.34002803 6.54219969 4.36866463
 0.59009001
 1.25245294 -1.87573067 1.1678478 -3.9067188 0.28109151 6.22598728
 5.32730568 -3.48651574 2.70640437 -3.55531634]
 Sample 6503: [-0.84816647 0.52065947 0.38313519 6.43257831 4.38951594
 0.5990894
 1.23588537 -1.93382617 1.09921354 -3.96468396 0.29188711 6.24737394
 5.28647519 -3.53958686 2.70420747 -3.57329669]
 Sample 6504: [-0.82915375 0.50594045 0.36267866 6.39870192 4.27146736
 0.69258752
 1.23867175 -1.98935738 1.23301073 -3.9292809 0.31243029 6.25280278
 5.27858012 -3.40044078 2.72131885 -3.47275556]
 Sample 6505: [-0.82229961 0.5247269 0.39091105 6.34437697 4.31364475
 0.68197917
 1.22493789 -1.97240547 1.19751677 -3.87984575 0.40672129 6.20663393
 5.32499215 -3.43072358 2.6708764 -3.42477617]
 Sample 6506: [-0.71817343 0.51044856 0.34203891 6.39330327 4.25595797
 0.6718838
 1.22836525 -1.92773102 1.21392161 -3.86506271 0.41164625 6.14957263
 5.39660646 -3.49899279 2.61023794 -3.47084799]
 Sample 6507: [-0.60819279 0.51125976 0.37941124 6.43034004 4.25295426
 0.65143189
 1.18995246 -1.92504949 1.24175023 -3.8587155 0.46824821 6.11896507
 5.37832569 -3.48355852 2.58264356 -3.38634602]
 Sample 6508: [-0.55547326 0.53214117 0.37275405 6.37329592 4.22111665
 0.67096343
 1.29566821 -2.00892403 1.18452414 -3.8162666 0.35314451 6.07762665
 5.48773354 -3.55285182 2.58050478 -3.49228311]
 Sample 6509: [-0.54609286 0.52108414 0.39892452 6.34818786 4.23400073
 0.6517531
 1.32634087 -2.10530042 1.26728848 -3.81221195 0.37656605 6.09388225
 5.46223464 -3.49383233 2.56152889 -3.58440424]
 Sample 6510: [-0.60025532 0.54926294 0.41950292 6.45325576 4.16069469
 0.56648421
 1.38380694 -2.18086844 1.32858097 -3.79354188 0.39815003 6.10020407
 5.39854931 -3.39963876 2.60228595 -3.54047907]

Sample 6511: [-0.60339884 0.53928464 0.44079985 6.43436609 4.14638276
0.60521977
1.38957277 -2.30411581 1.34891865 -3.79883395 0.47906861 6.04535985
5.47218575 -3.42796572 2.5904094 -3.56174862]
Sample 6512: [-0.58780135 0.56577052 0.45314653 6.46796156 4.09510001
0.60975569
1.43685501 -2.34757746 1.30763644 -3.83488943 0.46520404 5.9363137
5.50431181 -3.42020845 2.62185553 -3.49904141]
Sample 6513: [-0.50696264 0.5356683 0.43605436 6.44601767 4.07716525
0.63824378
1.38788399 -2.29857457 1.30172905 -3.80405021 0.5349213 5.94066947
5.50060266 -3.44226457 2.65148133 -3.42607871]
Sample 6514: [-0.50007446 0.56777042 0.44366407 6.38532019 4.09045549
0.69754678
1.4176838 -2.34779764 1.23782724 -3.77873614 0.50862792 5.91898438
5.39189944 -3.48831728 2.67162503 -3.4124111]
Sample 6515: [-0.4835384 0.5374378 0.46047017 6.33148546 4.0153929
0.57632215
1.34625005 -2.38171519 1.24182624 -3.71988699 0.45003402 5.93332943
5.41727769 -3.42855395 2.68777881 -3.35809644]
Sample 6516: [-0.51564472 0.56850252 0.45325867 6.3908958 3.96843437
0.6509166
1.43490266 -2.38739237 1.15128252 -3.80247333 0.33696823 5.8804265
5.37069022 -3.35205526 2.69192402 -3.43742312]
Sample 6517: [-0.49167465 0.55936622 0.4501851 6.41649444 3.88669402
0.68591834
1.48560912 -2.32476649 1.19761007 -3.77688093 0.29191825 5.79954536
5.4370826 -3.38437264 2.64066424 -3.39441438]
Sample 6518: [-0.45912182 0.56705655 0.40200113 6.43800281 3.92040651
0.73238041
1.42682223 -2.20002927 1.26514955 -3.81622475 0.29728623 5.85623687
5.48639961 -3.37417767 2.66429531 -3.40890831]
Sample 6519: [-0.43016118 0.55382165 0.41642291 6.4189924 3.89745444
0.69699624
1.44121317 -2.18689671 1.19447052 -3.839341 0.33037519 5.90338186
5.45680016 -3.41250127 2.70745504 -3.35771038]
Sample 6520: [-0.44531369 0.56936312 0.38365706 6.34834325 3.87861061
0.79384055
1.38836648 -2.20913078 1.1689503 -3.84948805 0.35838165 5.91860625
5.38482989 -3.32702623 2.62620885 -3.28220646]
Sample 6521: [-0.4074115 0.56199453 0.43261693 6.36616277 3.84828636
0.78774949
1.45230241 -2.18577579 1.21783983 -3.80791723 0.33350659 5.86488567
5.47912124 -3.33460073 2.62249521 -3.31193107]
Sample 6522: [-0.49009074 0.58498743 0.37400859 6.32890379 3.90034229
0.77810811
1.47725017 -2.20757884 1.23504343 -3.88546221 0.30696316 5.83988864
5.48225368 -3.33329848 2.6980906 -3.28040201]

Sample 6523: [-0.48942484 0.58401131 0.42122804 6.32646739 3.87584663
0.80537148
1.50482096 -2.20738957 1.14855654 -3.9064225 0.30403944 5.87918406
5.4830597 -3.26022499 2.62336415 -3.19318332]
Sample 6524: [-0.46424658 0.60317882 0.41843626 6.38778056 3.89069351
0.8820014
1.5005009 -2.20845886 1.162198 -3.93818957 0.27187608 5.82929689
5.53837419 -3.22177342 2.66675231 -3.30405487]
Sample 6525: [-0.56070664 0.57025242 0.41569199 6.35382869 3.87360648
0.87960999
1.52012404 -2.14032011 1.15659944 -3.96378626 0.25320668 5.87861002
5.55407705 -3.19636177 2.61377824 -3.24079994]
Sample 6526: [-0.49240754 0.6366777 0.40140367 6.34519837 3.88915456
0.92860067
1.59954451 -2.17965943 1.16007163 -3.92054877 0.24043476 5.95879878
5.54505991 -3.13819629 2.56516159 -3.2122721]
Sample 6527: [-0.55202991 0.57432264 0.39713594 6.3572302 3.93659679
0.96239764
1.53557225 -2.23011457 1.09861414 -3.91706959 0.27845176 6.00299417
5.52500005 -3.03792601 2.55481385 -3.25226116]
Sample 6528: [-0.51967273 0.63020626 0.3905473 6.39947073 3.90003456
0.8724504
1.5423003 -2.18069167 1.16634717 -3.90160997 0.22688328 5.95554715
5.5021322 -3.11228497 2.62364736 -3.1512837]
Sample 6529: [-0.4674846 0.59946976 0.37630083 6.41677846 3.91482937
0.86266006
1.61355557 -2.22081891 1.10811619 -3.83261894 0.28400952 6.0154254
5.47167145 -3.08350101 2.64305377 -3.1390983]
Sample 6530: [-0.56890155 0.6261021 0.40541978 6.41779263 3.91815141
0.88867276
1.49222177 -2.09273662 1.18715366 -3.84175873 0.26568773 6.05324146
5.43476778 -3.0878448 2.62722957 -3.12981771]
Sample 6531: [-0.50197522 0.55657303 0.34689439 6.40381972 3.91211223
0.9340804
1.43888683 -2.07256211 1.22859386 -3.8632491 0.24423984 6.07082456
5.29670955 -3.05257142 2.66331772 -3.24021867]
Sample 6532: [-0.52918586 0.60592723 0.40346534 6.51315998 3.88038876
0.94751099
1.47403549 -2.0866083 1.20856644 -3.92291926 0.24689637 6.09194898
5.33874288 -3.11198526 2.71464219 -3.24404224]
Sample 6533: [-0.51960426 0.54406781 0.32779341 6.57535234 3.97533669
0.93221138
1.369883 -2.01872969 1.25323745 -3.87342337 0.27462617 6.0373202
5.37471309 -3.11311309 2.70881155 -3.22162749]
Sample 6534: [-0.58651864 0.60208395 0.40170882 6.52842027 3.96223889
0.88198579
1.45768988 -2.04651872 1.11942882 -3.81445547 0.26861088 6.01044702
5.36620498 -3.13254009 2.68777812 -3.21396256]

Sample 6535: [-0.61182949 0.5575814 0.35017179 6.54608791 3.97912903
0.85124009
1.39823358 -2.05604261 1.11692948 -3.75665878 0.22588823 6.04374981
5.3695475 -3.11763225 2.79081845 -3.1575799]
Sample 6536: [-0.54685324 0.57629456 0.38430561 6.57104803 4.0275564
0.7935294
1.37513311 -2.03838025 1.04269196 -3.68062619 0.17193962 6.06477783
5.300614 -3.14552209 2.7759265 -3.22497588]
Sample 6537: [-0.49718251 0.56611609 0.40831421 6.52467229 3.95309348
0.77450712
1.43736037 -2.1268619 1.07656694 -3.65091542 0.20736166 6.03044973
5.35543643 -3.10432528 2.76958117 -3.26030987]
Sample 6538: [-0.56083394 0.57963853 0.39523008 6.48989049 3.95219702
0.79051608
1.4319478 -2.20890105 1.16778233 -3.59288425 0.18763915 5.92063915
5.29999937 -3.10505487 2.79842318 -3.24792097]
Sample 6539: [-0.54240122 0.55999214 0.41878888 6.49083362 3.84550769
0.78660164
1.41384287 -2.15031555 1.15939487 -3.49421085 0.20833029 5.83545536
5.24713928 -3.1168782 2.78624458 -3.21098785]
Sample 6540: [-0.48224972 0.5742798 0.40872379 6.44426833 3.67088782
0.82131786
1.4298837 -2.16898659 1.07196223 -3.42595383 0.16131457 5.85966074
5.30235866 -3.16425722 2.96785107 -3.27499991]
Sample 6541: [-0.53371652 0.57494879 0.43062672 6.44592938 3.63840244
0.76309057
1.49767327 -2.22479294 1.07792834 -3.51452022 0.17275722 5.89782565
5.30123686 -3.16898043 2.96154149 -3.32587442]
Sample 6542: [-0.56978169 0.59128882 0.42833313 6.42028109 3.71516276
0.74174476
1.54785267 -2.25975489 1.04820521 -3.44919749 0.07645972 5.86363751
5.25587055 -3.08481536 2.97230293 -3.37604092]
Sample 6543: [-0.66303731 0.60998675 0.43628977 6.45082739 3.8039438
0.69793619
1.66876443 -2.24517631 1.07092986 -3.44791956 -0.02505125 5.87564978
5.22029636 -3.13521116 2.93353423 -3.37740798]
Sample 6544: [-0.6487568 0.62005068 0.41621369 6.49468973 3.77202102
0.69439878
1.62107397 -2.20856289 1.03661009 -3.48456758 -0.09180039 5.94045098
5.19430659 -3.13369624 2.9005099 -3.35376219]
Sample 6545: [-0.65827469 0.63219473 0.42091452 6.46145977 3.81244052
0.65286562
1.69008114 -2.15963639 1.03824957 -3.53132068 -0.07525341 5.93516492
5.13994351 -3.12963548 2.89882573 -3.38259293]
Sample 6546: [-0.64787634 0.60178538 0.40235419 6.51737827 3.84103599
0.73626224
1.65763681 -2.14870537 1.08034491 -3.52224751 -0.0980232 5.92633986
5.11208199 -3.17000644 2.9327272 -3.37901517]

Sample 6547: [-0.53454096 0.6238707 0.42512523 6.50919674 3.92156505
0.7421293
1.62553736 -2.20076224 1.07845951 -3.46914291 -0.05772553 5.8894582
5.14482655 -3.12910459 2.9657125 -3.2794066]
Sample 6548: [-0.57306849 0.58258181 0.42760575 6.40227302 3.93592409
0.76446896
1.5513719 -2.24961653 1.11915206 -3.50216387 -0.07618436 5.85386244
5.07388055 -3.11936368 2.94794688 -3.30020336]
Sample 6549: [-0.61060658 0.60420894 0.43135307 6.37023278 3.91081852
0.71396126
1.57819445 -2.21433419 0.99275677 -3.50900118 -0.05857754 5.7834171
5.0412584 -3.0805211 2.96862441 -3.36086864]
Sample 6550: [-0.64218423 0.60279378 0.42791549 6.39526742 3.95617106
0.54488928
1.62502528 -2.25536638 1.05977379 -3.43927639 -0.10802514 5.79088714
4.9584622 -3.13974652 2.80756991 -3.36874419]
Sample 6551: [-0.60890581 0.60861757 0.4220955 6.41166583 3.94380442
0.45398293
1.62361982 -2.1746025 1.05586676 -3.41859796 -0.17517104 5.78786969
4.94149832 -3.18227042 2.82050598 -3.3905965]
Sample 6552: [-0.4950403 0.60730617 0.41190586 6.37314044 4.0008088
0.43782204
1.64979089 -2.20450322 1.03425277 -3.42503492 -0.16032375 5.79972852
4.99418449 -3.16608028 2.90094139 -3.345163]
Sample 6553: [-0.50705373 0.61459679 0.42497382 6.41670377 3.9682246
0.46694431
1.64312477 -2.14799164 1.08069382 -3.45380658 -0.14613198 5.78948408
5.04884847 -3.12901943 2.78143651 -3.32955851]
Sample 6554: [-0.58456534 0.61800418 0.40458593 6.5075126 3.97620024
0.51010417
1.71518445 -2.17745873 1.02381564 -3.49666268 -0.17663492 5.78191689
5.05840288 -3.12414831 2.73803033 -3.40442335]
Sample 6555: [-0.54935967 0.62405373 0.42969525 6.5181289 3.97903841
0.53012069
1.68861649 -2.17114668 1.01388318 -3.49143792 -0.15006637 5.86141028
5.0324075 -3.21007674 2.70359219 -3.37125153]
Sample 6556: [-0.59582196 0.61376955 0.38549492 6.56442921 4.06308674
0.47221971
1.63551435 -2.09846886 1.05900113 -3.50664944 -0.01823277 5.88141518
5.08628583 -3.15587385 2.74992597 -3.28933306]
Sample 6557: [-0.59271441 0.61990428 0.4215413 6.5482247 4.19179568
0.45529567
1.5993822 -2.13948008 1.00159767 -3.52708657 -0.08218107 5.91329179
5.0866111 -3.08551857 2.68771513 -3.28398557]
Sample 6558: [-0.649575 0.61379253 0.39484927 6.59213616 4.12447371
0.41451093
1.66879125 -2.16742546 1.01275397 -3.46096801 0.03049568 5.97856717
5.17298965 -3.04635682 2.71099449 -3.23354454]

Sample 6559: [-0.66060657 0.62622027 0.41986774 6.61094981 4.14458928
0.35554448
1.62168627 -2.12943261 1.04243561 -3.55473297 0.0378912 5.9699044
5.1964744 -3.08908243 2.68992148 -3.28477155]
Sample 6560: [-0.62104283 0.60726602 0.3910041 6.57677504 4.15422848
0.32416047
1.63944841 -2.10995003 0.94166778 -3.63380216 0.04546367 6.02572762
5.09658249 -3.07657746 2.65382441 -3.24330692]
Sample 6561: [-6.29879450e-01 6.36547820e-01 4.07388349e-01 6.60753119e+00
4.14481398e+00 3.92586546e-01 1.63281295e+00 -2.05640999e+00
8.88391835e-01 -3.57835642e+00 -3.48192873e-04 6.03099696e+00
5.16530702e+00 -3.05293136e+00 2.62520121e+00 -3.19874803e+00]
Sample 6562: [-0.72089296 0.61257919 0.37138888 6.65340864 4.18294609
0.32029017
1.63768984 -2.04005692 0.87276468 -3.47591234 -0.0363984 6.02291999
5.0907427 -3.09224519 2.64015597 -3.26455829]
Sample 6563: [-0.72513749 0.62852517 0.38061572 6.65458634 4.21328092
0.22854074
1.62945735 -1.99054121 0.88747242 -3.43436151 -0.02328715 6.03425896
5.05435899 -3.08819901 2.69367797 -3.22028127]
Sample 6564: [-0.70108561 0.59004387 0.3702965 6.70919904 4.30918516
0.21820427
1.57146087 -1.97947236 0.86608436 -3.48040847 -0.08942478 5.98107263
5.0070946 -3.03424342 2.74854982 -3.32193655]
Sample 6565: [-0.7512057 0.61403105 0.39143563 6.69448384 4.34298728
0.21161618
1.59732158 -2.01041914 0.80790482 -3.49470818 -0.1011159 5.94810338
5.05655258 -2.98498513 2.70024792 -3.32630072]
Sample 6566: [-0.80413181 0.59750838 0.36511525 6.62554686 4.38458352
0.19472442
1.63652076 -1.98077008 0.77284103 -3.49639097 -0.07698007 5.74667109
5.00950555 -2.95581971 2.62774277 -3.35420483]
Sample 6567: [-0.81018391 0.64156931 0.39459524 6.56415219 4.35706966
0.17558938
1.69390443 -2.01138943 0.7179181 -3.51350679 -0.027354 5.80914314
5.01706079 -2.88430863 2.7548081 -3.3512935]
Sample 6568: [-8.22276914e-01 6.01841113e-01 3.68915674e-01 6.54638618e+00
4.42294718e+00 1.56067576e-01 1.68630288e+00 -1.98816159e+00
7.33995401e-01 -3.48276681e+00 -4.55760557e-03 5.78932776e+00
4.95881239e+00 -2.88899582e+00 2.73044034e+00 -3.32601516e+00]
Sample 6569: [-0.7810007 0.65655705 0.39925769 6.49064661 4.40387778
0.22693457
1.74021947 -2.06238391 0.71017621 -3.5162222 -0.0447123 5.77862975
5.01081749 -2.96215153 2.73393849 -3.29202382]
Sample 6570: [-0.7653486 0.61586765 0.3922399 6.44927331 4.41856725
0.15964486
1.73082761 -2.08559755 0.64106824 -3.51480842 0.02656631 5.84676384
4.98770551 -3.0865873 2.66225957 -3.33209453]

Sample 6571: [-0.70152911 0.64616788 0.40828127 6.3368743 4.37133446
0.1278679
1.71595943 -2.0998028 0.75899441 -3.59228508 0.01894812 5.86686347
5.00967146 -3.09672603 2.64072425 -3.32874259]
Sample 6572: [-0.74577172 0.60707431 0.39352128 6.35809445 4.32352688
0.15771434
1.68294608 -2.09043132 0.64410567 -3.65334734 -0.0070319 5.88363978
5.03840077 -3.13044523 2.55136495 -3.32768823]
Sample 6573: [-0.78742273 0.6419518 0.39453818 6.46462258 4.27227205
0.18679745
1.68339098 -2.06529949 0.59409189 -3.65949636 0.05441836 5.96857798
5.11597519 -3.175676 2.54576195 -3.28790796]
Sample 6574: [-0.8033527 0.63401297 0.38379957 6.44804336 4.23526208
0.1051301
1.70779176 -2.10895003 0.62203623 -3.66710671 0.09926142 5.93227181
5.18741898 -3.2944833 2.51361514 -3.09519849]
Sample 6575: [-0.91309219 0.66043197 0.41390452 6.4668503 4.2013811
0.13731745
1.68014897 -2.19539145 0.69997697 -3.68246013 0.12918198 5.94794177
5.25107852 -3.24848578 2.44645041 -3.02623296]
Sample 6576: [-0.89847074 0.65424255 0.3726118 6.40707434 4.14902894
0.0878109
1.75504437 -2.14843487 0.60990381 -3.60969036 0.08778591 5.96292244
5.25742265 -3.30364449 2.53968973 -3.03170533]
Sample 6577: [-0.86933528 0.66227871 0.39059455 6.35046814 4.17195465
0.09111845
1.73295609 -2.13669559 0.5070567 -3.58231238 0.03514221 6.03237942
5.2134244 -3.27746172 2.48603384 -3.0488534]
Sample 6578: [-0.84863101 0.63777394 0.42721206 6.36588178 4.15501781
0.09249574
1.68852602 -2.15146169 0.49699138 -3.58256859 0.00997064 6.02094881
5.30681899 -3.17740514 2.43612182 -3.06440396]
Sample 6579: [-0.87861902 0.64333105 0.35366426 6.46076779 4.19289053
0.11681841
1.66631396 -2.13418612 0.40245241 -3.61311553 -0.01899366 6.01060473
5.28743147 -3.12016324 2.50925979 -3.0922278]
Sample 6580: [-0.85692764 0.64513745 0.41244159 6.37837035 4.2452717
0.08337624
1.71391237 -2.08347796 0.34289803 -3.70418987 -0.03751292 6.00290391
5.24441029 -3.20466417 2.59263587 -3.03700285]
Sample 6581: [-0.76016189 0.67589033 0.34248795 6.33377174 4.22480313
0.06609411
1.78699507 -2.01517353 0.34039947 -3.71185638 -0.05487514 5.99674404
5.19935729 -3.27212224 2.60323203 -3.09394539]
Sample 6582: [-0.76212729 0.68822938 0.37940584 6.27023861 4.1688305
0.08259912
1.87193908 -2.05021627 0.37256761 -3.77305199 -0.08582393 5.97114152
5.29601931 -3.2947982 2.72686179 -3.13914692]

Sample 6583: [-0.80818149 0.65204954 0.35555019 6.28604553 4.14640148
0.11490934
1.78048355 -2.04140257 0.44052136 -3.76133369 -0.18163812 5.97426926
5.32204728 -3.21946881 2.74681747 -3.13963158]

Sample 6584: [-0.78712663 0.67593296 0.39423482 6.26694203 4.13924124
0.1250836
1.77500388 -2.07027154 0.42426461 -3.76059959 -0.22892277 6.0363448
5.35474756 -3.23305427 2.70311913 -3.18582851]

Sample 6585: [-0.7640163 0.63887098 0.37042981 6.28762423 4.1319343
0.21959683
1.70288692 -2.15313632 0.39844041 -3.78316081 -0.21940012 6.08130846
5.46379104 -3.28652479 2.74089284 -3.18834234]

Sample 6586: [-0.79624527 0.65334669 0.42298162 6.24868586 4.13263629
0.18276634
1.74303312 -2.12832288 0.36299533 -3.79742335 -0.21975042 5.99574103
5.44721469 -3.27817003 2.74659968 -3.15112198]

Sample 6587: [-0.72094388 0.64935538 0.37804435 6.28680977 4.08179272
0.11245769
1.76480067 -2.1730008 0.38564125 -3.78101722 -0.2172605 6.00562586
5.40015205 -3.26964312 2.69613626 -3.20005299]

Sample 6588: [-0.72488258 0.64014563 0.40989477 6.21378137 4.0594764
0.10019574
1.69156916 -2.20913306 0.43316134 -3.73678281 -0.16152193 5.96212635
5.37028895 -3.16999765 2.60968655 -3.17157696]

Sample 6589: [-0.77199381 0.61650032 0.43109793 6.1906297 3.97683638
0.08745588
1.6340001 -2.23370448 0.38596152 -3.62001853 -0.2244655 5.94835014
5.40823311 -3.2696497 2.64984742 -3.20752235]

Sample 6590: [-0.74521776 0.62233224 0.42784089 6.22660703 3.94556456
0.0799934
1.61981272 -2.26724883 0.45992156 -3.64684513 -0.17213473 5.85634598
5.33078438 -3.24891764 2.65022815 -3.17698652]

Sample 6591: [-0.81773884 0.60385161 0.45304041 6.22361023 4.01269441
0.08022187
1.59988771 -2.3270663 0.42231305 -3.65753962 -0.22299598 5.87071331
5.3298894 -3.2845705 2.70390726 -3.23789549]

Sample 6592: [-0.84538972 0.63350146 0.42277844 6.19139995 3.94542276
0.10918483
1.61498997 -2.32686833 0.45493239 -3.65896484 -0.23092174 5.78144632
5.28555113 -3.27620567 2.71651205 -3.19077214]

Sample 6593: [-0.85916115 0.58335584 0.4640166 6.09667618 3.9065045
0.11254096
1.5458978 -2.30665648 0.54229074 -3.6993625 -0.28124801 5.79959539
5.12343642 -3.36127593 2.72566031 -3.15971413]

Sample 6594: [-0.86283973 0.61217837 0.41325077 6.09882349 3.96701615
0.12249348
1.51742578 -2.29309906 0.55097311 -3.73273017 -0.25827549 5.78445382
5.1416302 -3.30694679 2.80361072 -3.16243902]

Sample 6595: [-0.85400875 0.5764556 0.46102998 6.11694338 3.99215218
 0.13915505
 1.48381774 -2.28988631 0.59312725 -3.79408886 -0.30965056 5.84104655
 5.09856937 -3.28034301 2.78882757 -3.23754435]
 Sample 6596: [-0.77987815 0.59602212 0.41360043 6.1449317 3.9729048
 0.07923457
 1.51219419 -2.26492599 0.64406019 -3.8038102 -0.38105971 5.85756971
 5.01916924 -3.2455061 2.75224011 -3.27808348]
 Sample 6597: [-0.67194412 0.56525239 0.45544648 6.13067955 3.91359346
 0.05387117
 1.46957441 -2.26924432 0.54686376 -3.85680816 -0.28146123 5.81806903
 4.98768104 -3.30678886 2.75503429 -3.29414481]
 Sample 6598: [-0.6967798 0.58947641 0.41917837 6.14480656 3.9158805
 0.04183246
 1.47090523 -2.27602604 0.45797919 -3.91316031 -0.26375751 5.86280978
 4.93658952 -3.28108796 2.78527266 -3.28238478]
 Sample 6599: [-0.79250927 0.57733497 0.46066473 6.12896085 3.90763249
 0.02847445
 1.51672554 -2.35101028 0.51143807 -3.90829365 -0.25393333 5.92521006
 4.93766538 -3.33814558 2.79749019 -3.30755305]
 Sample 6600: [-0.83338809 0.59502065 0.46169465 6.1019469 3.87598706
 0.03682046
 1.50943768 -2.42694002 0.48500305 -3.82791481 -0.18763704 5.96785153
 5.0219571 -3.28664312 2.75088117 -3.35374018]
 Sample 6601: [-0.77864751 0.58553654 0.4685248 6.07918926 3.93812567
 -0.02221003
 1.60851905 -2.37115455 0.48699419 -3.74402415 -0.21679721 5.91386623
 5.04242766 -3.24927495 2.74999359 -3.41650402]
 Sample 6602: [-0.86319608 0.63016313 0.45033714 6.05732866 3.96763694
 -0.10022911
 1.6576794 -2.33321101 0.43484696 -3.78506758 -0.16749512 5.90370638
 5.05186232 -3.25984297 2.77902015 -3.35051505]
 Sample 6603: [-8.66268304e-01 6.10214865e-01 4.33202512e-01 6.01023635e+00
 3.96864428e+00 4.21128649e-03 1.70710510e+00 -2.29700472e+00
 5.27677834e-01 -3.81956203e+00 -9.59883537e-02 5.89999703e+00
 5.08101423e+00 -3.24096410e+00 2.74436479e+00 -3.41293621e+00]
 Sample 6604: [-0.80426371 0.6311949 0.46430211 6.02606017 4.05234676
 0.02006107
 1.68059828 -2.39649622 0.51570096 -3.81418855 -0.14142362 5.89674014
 5.13409934 -3.23829233 2.73659354 -3.3738832]
 Sample 6605: [-7.24104715e-01 6.39524300e-01 4.55756813e-01 5.92715002e+00
 4.05149142e+00 -2.61917767e-03 1.68633919e+00 -2.40710601e+00
 4.92809594e-01 -3.86881631e+00 -1.57861130e-01 5.92270503e+00
 5.19948244e+00 -3.22666203e+00 2.78306439e+00 -3.29539598e+00]
 Sample 6606: [-0.79563974 0.60387788 0.4440732 5.96118395 3.95944431
 0.08776962
 1.63211513 -2.28634163 0.42365453 -3.88531842 -0.14582264 5.93185513
 5.19167217 -3.14719456 2.83602177 -3.30096689]

Sample 6607: [-0.74061623 0.60800468 0.43473846 5.95828974 3.91078306
0.08291606
1.53053741 -2.32283479 0.41753679 -3.91031833 -0.21818088 5.93707588
5.1640329 -3.04884413 2.885004 -3.24682027]
Sample 6608: [-0.6459464 0.58788879 0.45164336 5.97599407 3.97677768
-0.02650699
1.56911575 -2.29427727 0.47495466 -3.89130478 -0.32219451 5.98972676
5.17661448 -3.09770461 2.90934186 -3.30195006]
Sample 6609: [-7.16466697e-01 6.14966023e-01 4.41722513e-01 6.01099452e+00
3.97712194e+00 -2.35081764e-04 1.56920672e+00 -2.35045930e+00
4.60929110e-01 -3.84653157e+00 -2.70171438e-01 6.03114237e+00
5.16492989e+00 -3.03188589e+00 2.76724134e+00 -3.30610097e+00]
Sample 6610: [-0.79212008 0.60138272 0.47731105 6.07888035 3.9840475
-0.01765001
1.6235895 -2.4259253 0.53809348 -3.93088679 -0.32676614 6.00441844
5.24317992 -3.02098293 2.80641411 -3.29857974]
Sample 6611: [-0.70582376 0.61749384 0.47093973 6.05228101 4.01069484
-0.06629001
1.57632391 -2.50382582 0.46142504 -3.97048749 -0.34479427 5.99055653
5.15265534 -3.02415014 2.82111969 -3.35940825]
Sample 6612: [-0.75561908 0.56440422 0.4932814 6.03738474 4.00903276
-0.08405667
1.54855525 -2.51228786 0.36320316 -3.8441121 -0.40186512 6.07139728
5.22142237 -2.98749519 2.86746494 -3.4870238]
Sample 6613: [-0.68426266 0.61208053 0.48751746 5.99500975 3.95228143
-0.11320096
1.58145823 -2.50447988 0.32245291 -3.85628603 -0.45136661 6.0834009
5.29458448 -2.99737504 2.89245832 -3.4659811]
Sample 6614: [-0.60950588 0.57953687 0.48429081 6.06742388 4.02756116
-0.03945362
1.59212994 -2.51472764 0.3192927 -3.82957074 -0.46693807 6.04177188
5.31022311 -3.06602726 2.9059751 -3.42821645]
Sample 6615: [-0.588197 0.6117553 0.46760852 6.06782506 4.12908805
-0.12473937
1.56452993 -2.45568616 0.25257021 -3.69920621 -0.44584724 6.08626119
5.22419436 -2.90484742 2.83429334 -3.40252998]
Sample 6616: [-0.53392243 0.58066843 0.47637374 6.11379568 4.0841041
-0.16085274
1.5845264 -2.43708853 0.29188573 -3.75208485 -0.53235876 6.0388019
5.18164352 -2.86712532 2.86909151 -3.37740465]
Sample 6617: [-0.54734003 0.6096137 0.46994054 6.02722819 4.04567087
-0.15414301
1.53897841 -2.45189314 0.33839302 -3.80916076 -0.59623213 6.02759722
5.26655051 -2.91486531 2.91102875 -3.33446739]
Sample 6618: [-0.54879246 0.59873972 0.49167909 6.03299945 3.96502835
-0.20228192
1.58679226 -2.52897039 0.26782535 -3.74593317 -0.57030747 5.97509874
5.21052463 -2.94707797 2.86553975 -3.2451125]

Sample 6619: [-0.56551294 0.60864029 0.48217317 5.94461802 3.84961649
-0.23526897
1.55962398 -2.5555724 0.18632604 -3.74428977 -0.55575409 6.01565294
5.23051306 -2.92278226 2.82738435 -3.28266719]
Sample 6620: [-0.52663063 0.57512861 0.5125789 5.94124878 3.84224154
-0.21760298
1.50313045 -2.59377612 0.2054352 -3.90685227 -0.50011821 5.96819
5.18471919 -2.97673442 2.87684796 -3.28842742]
Sample 6621: [-0.46089825 0.59092788 0.52287722 5.88269144 3.8843704
-0.17635669
1.48574133 -2.72001147 0.2151562 -3.95178339 -0.5276327 5.97244058
5.22253866 -2.96747406 2.77643714 -3.26699961]
Sample 6622: [-0.51603039 0.58660982 0.54153969 5.97085664 3.91061662
-0.13128199
1.52244836 -2.74371564 0.12281886 -4.00821876 -0.53074589 6.02021933
5.21745469 -2.98734757 2.69822522 -3.21145056]
Sample 6623: [-0.50894978 0.59417224 0.52953299 5.89671285 3.95037982
-0.1563608
1.46449386 -2.78209447 0.1253079 -3.98094368 -0.55102964 6.06408115
5.21355035 -3.04442246 2.66742692 -3.18035716]
Sample 6624: [-0.42479534 0.57978973 0.5551856 5.92253833 3.87490334
-0.11019834
1.47686789 -2.80559253 0.10059114 -3.99429284 -0.51330607 6.05375805
5.2124314 -3.02016098 2.72441388 -3.15241639]
Sample 6625: [-4.99334918e-01 6.05902601e-01 5.34572620e-01 5.85635665e+00
3.81326003e+00 -9.55205160e-02 1.49591260e+00 -2.79011524e+00
3.01634324e-03 -4.03071730e+00 -5.14503852e-01 6.02353307e+00
5.16045436e+00 -3.00465223e+00 2.74424536e+00 -3.12097791e+00]
Sample 6626: [-0.45677914 0.60613716 0.52677683 5.85001466 3.80457546
-0.10888736
1.59037326 -2.77714171 0.03534902 -4.07550153 -0.48510783 6.01581521
5.09647139 -3.02523167 2.7340903 -3.14461761]
Sample 6627: [-3.87734742e-01 6.26670603e-01 5.75807434e-01 5.86120083e+00
3.80112075e+00 -1.56224784e-01 1.61640989e+00 -2.84966631e+00
-5.31231378e-03 -4.09190560e+00 -4.57871494e-01 5.96448447e+00
5.09157355e+00 -3.09209320e+00 2.81207689e+00 -3.15390537e+00]
Sample 6628: [-0.37395075 0.6139798 0.54567738 5.80270626 3.75268171
-0.14683811
1.61970209 -2.84243286 -0.03983583 -4.08655433 -0.52149802 5.97430698
5.11781915 -3.15670538 2.8301719 -3.1849116]
Sample 6629: [-0.38145554 0.62673379 0.54947141 5.71931081 3.70140374
-0.23753199
1.66619995 -2.83490658 -0.0192798 -4.09710683 -0.48548504 5.96591167
5.10315633 -3.04825176 2.80105261 -3.18390163]
Sample 6630: [-0.327811 0.60440518 0.53407898 5.83019676 3.58399566
-0.2411478
1.61219559 -2.81119495 -0.01336559 -4.11545215 -0.42403566 5.91057423
5.09123238 -3.04351842 2.77022114 -3.24580424]

Sample 6631: [-0.30717157 0.6056075 0.54171741 5.81788197 3.57349554
 -0.16033878
 1.59470983 -2.79110794 -0.06102427 -4.01709586 -0.53118734 5.92812319
 5.0822863 -3.05208425 2.76547851 -3.27717009]
 Sample 6632: [-0.2764682 0.58142081 0.53317721 5.84819066 3.64028434
 -0.22450074
 1.58257811 -2.71329398 -0.09426844 -3.98032263 -0.481809 5.91135003
 5.07726437 -3.04978555 2.81244062 -3.31686246]
 Sample 6633: [-0.2158324 0.59163692 0.53273936 5.80398314 3.65361773
 -0.21985951
 1.58645127 -2.68585325 -0.05560949 -4.07014243 -0.55006123 5.88569878
 5.13389275 -3.10293892 2.77023614 -3.23629208]
 Sample 6634: [-0.1488051 0.59589545 0.51680589 5.86192173 3.61907059
 -0.2786235
 1.68845882 -2.67181397 -0.04336965 -3.99062715 -0.47290429 5.84203051
 5.0754796 -3.0560129 2.77297338 -3.14511236]
 Sample 6635: [-1.82718774e-01 6.05853886e-01 5.22750355e-01 5.80225672e+00
 3.63581593e+00 -3.60307949e-01 1.60768831e+00 -2.70548805e+00
 5.53892783e-04 -3.94688768e+00 -4.16826567e-01 5.89393535e+00
 5.03754868e+00 -3.10747408e+00 2.75599107e+00 -3.14430124e+00]
 Sample 6636: [-0.20703874 0.58740027 0.53145643 5.8440152 3.64809725
 -0.31941127
 1.56176843 -2.69178438 0.08382197 -4.04790977 -0.43135655 5.9261798
 5.07783735 -3.11102849 2.76177207 -3.15696777]
 Sample 6637: [-0.14719388 0.58610639 0.53225437 5.94701221 3.57866595
 -0.28924708
 1.58262148 -2.76894859 0.15751101 -4.01594642 -0.43455297 5.94567782
 5.17083387 -3.03254829 2.81112584 -3.15040443]
 Sample 6638: [-0.24156167 0.59861123 0.54562867 5.93609217 3.60554873
 -0.29435623
 1.57600315 -2.71201775 0.25730782 -4.0748954 -0.40805049 5.91942179
 5.17327055 -2.94706578 2.7484046 -3.13415872]
 Sample 6639: [-0.25625525 0.6170761 0.50552963 5.98341376 3.68147531
 -0.29562495
 1.65127306 -2.67920889 0.16047028 -4.03971549 -0.39149001 5.94956854
 5.16518089 -3.01101354 2.79214984 -3.0887652]
 Sample 6640: [-0.24338565 0.61573224 0.52814251 6.01830374 3.76733816
 -0.31082066
 1.63225899 -2.64188246 0.11286852 -4.0747237 -0.48201494 6.00306164
 5.22296229 -3.14353666 2.77704861 -3.0657821]
 Sample 6641: [-0.17253999 0.59921537 0.50658315 5.99427521 3.70908288
 -0.25532012
 1.61881615 -2.66281873 0.18081375 -4.04827127 -0.51474759 5.98877883
 5.19391834 -3.10979312 2.80247946 -3.04805973]
 Sample 6642: [-0.08408775 0.60611881 0.50615581 6.00791425 3.73208166
 -0.25663915
 1.69537762 -2.59205273 0.21219425 -4.08552458 -0.58809471 5.92660413
 5.2167987 -3.01338214 2.83412575 -3.02708586]

Sample 6643: [-0.05221033 0.57613015 0.4794361 6.00663691 3.72428382
 -0.25630094
 1.58489659 -2.55526147 0.11234618 -4.13271491 -0.52689222 5.93689757
 5.28692054 -2.99986607 2.8482283 -3.0928693]
 Sample 6644: [-0.06332919 0.62327565 0.4877434 6.03043171 3.64954726
 -0.18563934
 1.67350039 -2.45722186 0.22521983 -4.09201163 -0.47567023 6.00254891
 5.35423363 -2.99777524 2.8948961 -3.11356285]
 Sample 6645: [-0.0410174 0.59246066 0.44620671 6.04191534 3.68123453
 -0.19282368
 1.65219532 -2.38537095 0.10270514 -3.99842911 -0.45102464 6.03634205
 5.35846898 -3.0362521 2.9551019 -3.0561823]
 Sample 6646: [-0.03588039 0.62020616 0.47427459 6.09040046 3.7255588
 -0.19140796
 1.58841026 -2.42027109 0.09337876 -4.03005256 -0.37495691 6.04127107
 5.37866679 -3.00456127 2.98679302 -2.99412911]
 Sample 6647: [-0.01434249 0.60897865 0.462504 6.1087485 3.75884027
 -0.21869467
 1.66955416 -2.45490251 0.16715042 -3.999874 -0.34564052 6.01771148
 5.35792058 -3.00766942 3.01356121 -2.96663663]
 Sample 6648: [-0.06059638 0.65278129 0.48542387 6.15251352 3.68066507
 -0.1439907
 1.71775972 -2.46496067 0.15157388 -3.94908475 -0.30247996 6.0314281
 5.3303849 -2.98899643 3.00994925 -2.95625817]
 Sample 6649: [-0.05233577 0.62848091 0.47662188 6.15366103 3.68307511
 -0.12814022
 1.741246 -2.52932436 0.13501415 -4.01322981 -0.32924232 6.00788932
 5.26706753 -2.95483603 3.01191457 -2.99385959]
 Sample 6650: [-0.10382419 0.64486827 0.50933773 6.13735679 3.71971312
 -0.09329241
 1.71897269 -2.55163838 0.18700832 -4.09617663 -0.39100151 6.10131544
 5.23795674 -2.93975748 3.0012139 -2.99042262]
 Sample 6651: [-0.13370028 0.64027433 0.48085849 6.17812281 3.71973789
 -0.14855149
 1.77761525 -2.54843083 0.11611308 -4.05318447 -0.44764177 6.20203906
 5.2605129 -3.01836497 2.93486946 -2.97868338]
 Sample 6652: [-0.05556707 0.64633403 0.49827459 6.2366801 3.68594263
 -0.17584207
 1.72249624 -2.53486395 0.17145788 -4.03858476 -0.36137433 6.18996013
 5.21057226 -3.04525288 2.8527619 -3.00080975]
 Sample 6653: [0.02254516 0.64228374 0.47453492 6.24034633 3.62024939
 -0.13830283
 1.79977559 -2.54078243 0.05336268 -4.06911151 -0.29823817 6.26587875
 5.13838963 -3.06875666 2.92504419 -3.07252356]
 Sample 6654: [0.10545566 0.6602363 0.50391227 6.3000177 3.55655185
 -0.06063112
 1.71548223 -2.51177738 0.07974931 -4.18156932 -0.3095048 6.28712625
 5.11656925 -3.10725827 2.96400817 -2.9640224]

Sample 6655: [0.09680114 0.64566712 0.46686402 6.30540673 3.52435744
 -0.08606625
 1.73934561 -2.51743657 0.2385487 -4.22531195 -0.24672231 6.23221934
 5.12005133 -3.11581597 2.93707972 -2.93702881]
 Sample 6656: [0.10671347 0.67162531 0.50603312 6.21898994 3.5691752
 -0.01618565
 1.74037783 -2.51149419 0.29569321 -4.2725793 -0.27443934 6.29448479
 5.10554253 -3.14502127 2.9037948 -2.96147186]
 Sample 6657: [0.15651985 0.64475591 0.46180514 6.18344089 3.54030633
 -0.02462607
 1.77112221 -2.50888009 0.27540429 -4.37690578 -0.25787438 6.26088267
 5.13149103 -3.23065999 2.93163083 -3.011122]
 Sample 6658: [0.14775586 0.67704059 0.50442136 6.24740036 3.55067669
 -0.06442163
 1.76466495 -2.49321758 0.20737834 -4.41191913 -0.30418354 6.29756548
 5.14383644 -3.29977869 2.90940895 -3.01201441]
 Sample 6659: [0.03397248 0.64810855 0.44937597 6.22620418 3.58264377
 0.04304158
 1.84933815 -2.46645059 0.22026971 -4.35564542 -0.28922143 6.29615633
 5.30389482 -3.32865092 2.90194241 -3.07720853]
 Sample 6660: [0.0220203 0.69515122 0.48751193 6.26336354 3.5339285
 0.0936639
 1.90059357 -2.40675419 0.3065227 -4.32576506 -0.27611838 6.30576881
 5.29630237 -3.28293051 2.99801115 -3.12782928]
 Sample 6661: [0.0124895 0.65576904 0.45558844 6.24439841 3.47276142
 0.05591544
 1.89723664 -2.46683986 0.33384878 -4.32307957 -0.37305342 6.28433814
 5.40282271 -3.22922453 3.02766069 -3.03866777]
 Sample 6662: [5.06008059e-03 6.78689446e-01 4.81755282e-01 6.27315766e+00
 3.42376281e+00 2.03227500e-02 1.83767751e+00 -2.41342762e+00
 3.30040781e-01 -4.26931152e+00 -3.73422547e-01 6.17774953e+00
 5.37797451e+00 -3.25375850e+00 3.03683134e+00 -3.04141876e+00]
 Sample 6663: [-0.01582558 0.64878735 0.43441965 6.2689363 3.48168507
 -0.01679272
 1.84505325 -2.37755546 0.25529128 -4.30065581 -0.33885971 6.19371241
 5.45796246 -3.26505219 2.94253388 -2.95293696]
 Sample 6664: [0.02908127 0.69854853 0.47521765 6.39976581 3.57662304
 -0.03762727
 1.83998589 -2.41193725 0.29572193 -4.20984659 -0.2750076 6.19448471
 5.44963368 -3.18081396 2.96107906 -2.93204651]
 Sample 6665: [0.05526401 0.66729223 0.45235363 6.41988433 3.58065743
 -0.03795744
 1.88322611 -2.42215046 0.26472584 -4.23909409 -0.28454153 6.1760189
 5.37068066 -3.13424591 2.88467795 -2.9574022]
 Sample 6666: [0.01275946 0.66687154 0.47224368 6.40095776 3.59987764
 0.01252941
 1.74988058 -2.39355955 0.28267642 -4.19830734 -0.27377444 6.20474557
 5.28699913 -3.12575722 2.87601615 -2.94316151]

Sample 6667: [0.04337344 0.62768853 0.46132084 6.32547118 3.67933537
0.0488081
1.71342852 -2.45628725 0.30470343 -4.15503312 -0.33952859 6.23559021
5.21944371 -3.15736969 2.80722741 -2.92499711]
Sample 6668: [0.03618801 0.66391489 0.49320551 6.3248015 3.67032128
0.12193707
1.74095351 -2.49782788 0.23620353 -4.14677265 -0.35841284 6.23406234
5.25162649 -3.0477577 2.71861534 -2.88258501]
Sample 6669: [-0.10008745 0.63798852 0.4652609 6.34996496 3.68620867
0.0984391
1.75627568 -2.46373754 0.16781783 -4.2248886 -0.40755061 6.28468091
5.22255314 -3.08758056 2.64784244 -2.90565687]
Sample 6670: [-0.21472633 0.68711642 0.47921089 6.37655799 3.58653838
0.13940364
1.74666912 -2.4129354 0.14688951 -4.21361121 -0.38349159 6.26800173
5.20843251 -3.09819686 2.72454286 -2.93766613]
Sample 6671: [-0.19357304 0.65171877 0.45490167 6.3501903 3.5797182
0.08859553
1.79227692 -2.41083699 0.08326819 -4.20866222 -0.41284617 6.32714395
5.2232345 -3.12489592 2.70306633 -3.00585529]
Sample 6672: [-0.18338968 0.68071853 0.48642533 6.36386674 3.6102187
0.13899746
1.75416922 -2.44265197 0.13692861 -4.25329173 -0.45307012 6.36911484
5.24948192 -3.04569328 2.69521408 -3.01777913]
Sample 6673: [-0.13364499 0.62799192 0.46528173 6.3703131 3.64200242
0.11855642
1.73327409 -2.4735252 0.11682713 -4.28494874 -0.37554214 6.30547967
5.18253645 -3.00130259 2.67640651 -3.01529078]
Sample 6674: [-0.07469438 0.66938634 0.47961549 6.41583428 3.5612374
0.19357357
1.75753384 -2.42868674 0.14268637 -4.20862854 -0.42140255 6.26060875
5.23705425 -3.00636661 2.68654989 -3.08295536]
Sample 6675: [-0.04476303 0.61149456 0.46386537 6.37380738 3.57528746
0.16184066
1.72925857 -2.44200566 0.21423531 -4.22411191 -0.38788906 6.31758156
5.24209837 -3.05125928 2.65502078 -3.04914817]
Sample 6676: [0.01641775 0.65508023 0.48423651 6.37259858 3.52287289
0.15762788
1.68672472 -2.42784984 0.23340831 -4.15967494 -0.44084799 6.37939208
5.24568035 -3.03922005 2.67480969 -3.07346565]
Sample 6677: [0.08710002 0.59414319 0.45222985 6.3086045 3.52355763
0.20015406
1.69828316 -2.42023401 0.22540944 -4.17970803 -0.43656445 6.46141158
5.20301806 -2.98624693 2.72153681 -3.10211872]
Sample 6678: [0.18247534 0.67817165 0.49122856 6.29705938 3.5108243
0.19153586
1.72762918 -2.44456946 0.29062956 -4.24273223 -0.48214527 6.42496737
5.26889824 -2.97786297 2.73349549 -3.09400414]

Sample 6679: [0.14498697 0.61005825 0.45908022 6.28249754 3.52736481
0.13408265
1.71537302 -2.45157766 0.24851154 -4.27448744 -0.57449765 6.4300116
5.2672733 -2.90092202 2.67028808 -3.04777909]
Sample 6680: [0.15149677 0.6369021 0.48328233 6.28825337 3.46816039
0.14875589
1.67704655 -2.41558554 0.26784986 -4.29158737 -0.6393984 6.38466597
5.24285763 -2.8470476 2.6752031 -3.06221234]
Sample 6681: [0.1480942 0.60284306 0.46623791 6.20713252 3.45800928
0.16110689
1.69573404 -2.47035196 0.27495637 -4.24333311 -0.56224424 6.31452972
5.33201073 -2.83305887 2.65694851 -3.10709552]
Sample 6682: [0.21886314 0.65000577 0.47633459 6.20826004 3.42314143
0.15181592
1.72492605 -2.38046745 0.32745787 -4.30639099 -0.62529215 6.34504696
5.37488398 -2.84801007 2.62470239 -3.10844403]
Sample 6683: [0.12018602 0.6167834 0.45169487 6.21877735 3.50841143
0.2018923
1.77482977 -2.40086613 0.39688993 -4.36459873 -0.60863438 6.29007214
5.38244513 -2.87478523 2.57400064 -3.14514947]
Sample 6684: [0.11516356 0.64005234 0.4923245 6.25961404 3.56719701
0.22921181
1.73102183 -2.45241628 0.42105109 -4.26451514 -0.6357537 6.39688613
5.31589408 -2.8774259 2.64747751 -3.13284107]
Sample 6685: [0.12512504 0.58858199 0.46788819 6.23974179 3.50025319
0.2631886
1.67312749 -2.48147397 0.42900298 -4.30493465 -0.59836507 6.5122284
5.32483301 -2.88504726 2.68718027 -3.0623469]
Sample 6686: [0.19549315 0.64674785 0.47171879 6.17990013 3.46835987
0.17022502
1.6773082 -2.40890401 0.49428738 -4.30075207 -0.59336225 6.46373924
5.30071269 -2.86416901 2.79982616 -3.11149708]
Sample 6687: [0.16267432 0.62171549 0.45576327 6.19563809 3.47631498
0.14381804
1.69915617 -2.37931848 0.4122534 -4.3457711 -0.55384071 6.52103921
5.30262988 -2.84282868 2.79255847 -3.00653202]
Sample 6688: [0.17859246 0.65677246 0.451173 6.18800137 3.51915599
0.24881927
1.76480905 -2.3682318 0.4311506 -4.38773027 -0.5234422 6.49887068
5.30419035 -2.8639005 2.74382646 -3.08810798]
Sample 6689: [0.13742207 0.64332691 0.48013685 6.21413388 3.43119441
0.18339301
1.8093403 -2.43556153 0.50096261 -4.41772102 -0.48293341 6.51945242
5.21696396 -2.83992406 2.70273511 -3.15547484]
Sample 6690: [0.18120785 0.65290338 0.46780733 6.21275987 3.41663017
0.22430197
1.76843007 -2.44709987 0.49343744 -4.42412016 -0.44327767 6.58595934
5.19102371 -2.82620913 2.65274647 -3.11883897]

Sample 6691: [0.22715638 0.64780431 0.4632906 6.10715279 3.51259423
 0.2270936
 1.74863703 -2.37298079 0.54050454 -4.46229235 -0.44190519 6.58139332
 5.13085055 -2.90163354 2.62259211 -3.06966665]
 Sample 6692: [0.2249363 0.6573034 0.43275854 6.09290861 3.61886173
 0.25316216
 1.7752509 -2.28920364 0.51338922 -4.44873811 -0.44266093 6.58304277
 5.21906675 -2.92481983 2.60137366 -3.17485844]
 Sample 6693: [0.20857817 0.6381582 0.43900295 6.06612437 3.4925683
 0.25143789
 1.75792694 -2.23257695 0.57364721 -4.52267166 -0.50454501 6.61754257
 5.15471757 -2.84416529 2.48790286 -3.12236694]
 Sample 6694: [0.19347468 0.63865963 0.4044672 6.07419095 3.47334851
 0.26760599
 1.70375074 -2.1408644 0.57804965 -4.60512126 -0.52896421 6.65830866
 5.17822277 -2.81379291 2.51391284 -3.15976539]
 Sample 6695: [0.23303539 0.6335836 0.42642815 6.12565181 3.54383889
 0.20819719
 1.7407709 -2.2003408 0.59852141 -4.6385932 -0.5496983 6.57366386
 5.14228679 -2.88643992 2.5013771 -3.13309622]
 Sample 6696: [0.27938237 0.65540265 0.43342962 6.06923882 3.57224083
 0.24243575
 1.73523207 -2.26379454 0.59867141 -4.62524104 -0.53796635 6.48793826
 5.11506504 -2.8988528 2.62653278 -3.14273418]
 Sample 6697: [0.37161622 0.65606263 0.43520032 6.05457455 3.61718883
 0.23033584
 1.7704274 -2.25215076 0.63843835 -4.5757966 -0.58532035 6.54426553
 5.09371461 -2.83366351 2.67285852 -3.14708643]
 Sample 6698: [0.31099889 0.66214527 0.43685951 6.11461477 3.61271787
 0.20465286
 1.7598972 -2.28194278 0.60335961 -4.58345495 -0.59924878 6.53944333
 5.03917877 -2.88195011 2.69917676 -3.16839616]
 Sample 6699: [0.35085075 0.65410167 0.43335843 6.16351416 3.57470542
 0.16510024
 1.75304756 -2.2691852 0.56751375 -4.56893637 -0.61525854 6.5477152
 4.95964261 -2.9158665 2.70463265 -3.16626963]
 Sample 6700: [0.5578559 0.65866184 0.46011828 6.1543253 3.5701395
 0.13776716
 1.72934161 -2.3692071 0.60474466 -4.58349338 -0.67914164 6.63150086
 4.96520794 -2.91538797 2.72075967 -3.23198024]
 Sample 6701: [0.5305852 0.64153824 0.43989879 6.24180234 3.65851289
 0.19413178
 1.71280818 -2.3036988 0.59457517 -4.59450915 -0.69404904 6.62083078
 4.98888729 -2.97444948 2.69331463 -3.24999327]
 Sample 6702: [0.48369522 0.64634921 0.45015976 6.24185096 3.68047356
 0.21755504
 1.69042686 -2.33426484 0.61574437 -4.5924115 -0.70013943 6.66338433
 5.10180555 -2.93336508 2.66396069 -3.29305407]

Sample 6703: [0.43172943 0.6305417 0.45005895 6.22624251 3.59568171
0.16287456
1.65911322 -2.35030634 0.61354123 -4.5607635 -0.63460722 6.64401752
5.03232873 -2.93443706 2.68380808 -3.31820378]
Sample 6704: [0.48492805 0.62439269 0.43833464 6.32964352 3.47999107
0.17758387
1.65424053 -2.28077783 0.5672458 -4.58345332 -0.61822124 6.69609408
5.02482285 -2.92656247 2.72231568 -3.40458727]
Sample 6705: [0.48837412 0.61039338 0.44997047 6.31400951 3.56550452
0.13156083
1.56463127 -2.29058333 0.60871355 -4.52252983 -0.57714905 6.77579366
5.05512163 -2.93005289 2.58010474 -3.46122233]
Sample 6706: [0.42729385 0.56270871 0.44894678 6.34016243 3.60436868
0.23120902
1.4470549 -2.34408014 0.74418339 -4.58731736 -0.6399709 6.84935003
4.94923109 -2.93052725 2.57516891 -3.4443403]
Sample 6707: [0.4069128 0.58933301 0.44688138 6.31137938 3.55468221
0.17380327
1.47280102 -2.28947572 0.74346829 -4.60914569 -0.68951341 6.73687783
4.97547114 -2.95412981 2.55552338 -3.42404924]
Sample 6708: [0.40965988 0.59480124 0.45601058 6.20091244 3.56954424
0.21139163
1.52394638 -2.38649849 0.75876967 -4.6394409 -0.75372615 6.73560265
5.01834995 -2.98052524 2.52310385 -3.43004112]
Sample 6709: [0.40235922 0.59272403 0.48481894 6.26113639 3.53865862
0.10635949
1.54194657 -2.49853768 0.79238897 -4.57428675 -0.81601326 6.83334457
4.9383542 -3.0131682 2.47199949 -3.37194567]
Sample 6710: [0.31604025 0.60605379 0.46284258 6.25340991 3.53097421
0.04121848
1.52988757 -2.37214357 0.75073468 -4.65144061 -0.85186517 6.79330202
4.99191147 -2.96944839 2.44767994 -3.31794906]
Sample 6711: [0.27939731 0.57965935 0.48529352 6.31126589 3.50326635
0.0507609
1.55125586 -2.46319296 0.7880014 -4.70623409 -0.82751078 6.75114285
5.02104606 -2.95482329 2.46962653 -3.33773999]
Sample 6712: [0.33972724 0.60672969 0.46032853 6.33523232 3.4262023
0.0644749
1.5246144 -2.45112471 0.7511531 -4.73069157 -0.83402672 6.7386553
5.04518647 -2.95277756 2.45458523 -3.34177214]
Sample 6713: [0.383261 0.59803324 0.50213169 6.2087292 3.34137221
0.02496881
1.58758008 -2.4793992 0.68479315 -4.75082711 -0.74429613 6.76995745
5.01823047 -3.03761342 2.52724277 -3.35358495]
Sample 6714: [0.42743547 0.63816808 0.46169247 6.18319827 3.38844788
0.01310761
1.60582718 -2.4507499 0.64828949 -4.72602866 -0.76556591 6.73805816
5.04417705 -2.983253 2.59170734 -3.34215381]

Sample 6715: [0.48405533 0.60540988 0.49118386 6.1195816 3.29564681
-0.03280242
1.58249994 -2.45948643 0.7017972 -4.74431671 -0.84748334 6.72890717
5.06499774 -3.00741342 2.53994149 -3.26226366]
Sample 6716: [0.53123628 0.61683469 0.44509476 6.1226384 3.21309461
-0.07493091
1.52964709 -2.38675433 0.72673891 -4.94115282 -0.88969799 6.68538976
5.10675599 -3.01428993 2.61656386 -3.30271063]
Sample 6717: [0.51449965 0.59938068 0.47839519 6.05567594 3.21135363
-0.12433945
1.55723909 -2.39258623 0.69757619 -5.02476821 -0.79707864 6.80602385
5.07043972 -2.99402525 2.66622238 -3.26986131]
Sample 6718: [0.5369039 0.64996696 0.4524082 5.97347814 3.19746609
-0.0877867
1.61445549 -2.47066793 0.728584 -5.03660478 -0.81497292 6.75774957
5.10343727 -3.0533574 2.68374447 -3.18593336]
Sample 6719: [0.57757037 0.61659659 0.5105477 5.95029272 3.17969331
-0.05398678
1.64152935 -2.51092932 0.76359768 -5.00882143 -0.76150716 6.65809419
5.19317424 -3.04919684 2.7208247 -3.26281618]
Sample 6720: [0.65050086 0.64275087 0.4517223 5.95697673 3.11334729
-0.04430141
1.60215217 -2.53159558 0.88101477 -5.01842165 -0.78794943 6.64216131
5.16123137 -3.10843779 2.76912979 -3.29524211]
Sample 6721: [0.72998111 0.60256279 0.51394076 5.98032586 3.07501142
-0.14966859
1.60864295 -2.49089606 0.91572409 -5.1065166 -0.79313744 6.65735982
5.19142447 -3.01716689 2.79444965 -3.25885705]
Sample 6722: [0.70638932 0.64967625 0.45572255 5.98486817 3.13231923
-0.15905687
1.65687218 -2.51265287 0.90080467 -5.07616594 -0.77601146 6.60327418
5.18773665 -3.04246762 2.69550253 -3.38581376]
Sample 6723: [0.74271459 0.59639562 0.49440897 5.94426192 3.25140906
-0.17529745
1.62511624 -2.4664023 0.87474411 -5.06050315 -0.80487743 6.61281769
5.20889978 -3.02094438 2.66475101 -3.39065755]
Sample 6724: [0.7046032 0.61644958 0.4434086 5.92779134 3.24672311
-0.17533572
1.51296772 -2.41275005 0.80952334 -5.1269884 -0.81742006 6.51726768
5.19898135 -3.07268406 2.68776732 -3.37740814]
Sample 6725: [0.72247658 0.57290046 0.49795277 5.95054158 3.3424467
-0.25207955
1.4778345 -2.45625077 0.80147212 -5.14250153 -0.82392989 6.59162954
5.1773384 -3.09124101 2.78748332 -3.35358712]
Sample 6726: [0.68701203 0.62701265 0.44670871 5.92983661 3.33848863
-0.19396496
1.54631702 -2.43493965 0.82134611 -5.22466438 -0.90429067 6.64904333
5.21085961 -3.1097398 2.8173411 -3.31784035]

Sample 6727: [0.74391256 0.5889756 0.46095883 6.03207162 3.4457115
 -0.16466534
 1.58416591 -2.35486719 0.86136361 -5.24430861 -0.81338417 6.63133485
 5.12162429 -3.10992407 2.71473597 -3.42394839]
 Sample 6728: [0.81253701 0.62260262 0.44502669 6.0410976 3.49350544
 -0.19601725
 1.54750684 -2.35937678 0.87368447 -5.20107294 -0.89214926 6.7074545
 5.14805015 -3.08237874 2.70854498 -3.35715774]
 Sample 6729: [0.72274741 0.58470297 0.44566272 6.01128766 3.552838
 -0.1379542
 1.50974848 -2.30618855 0.90032878 -5.26274341 -0.85443853 6.71099405
 5.20406325 -3.01210382 2.71347316 -3.37242518]
 Sample 6730: [0.69527499 0.6013383 0.43355459 6.02100772 3.49372166
 -0.13705166
 1.50989806 -2.29153838 0.92146063 -5.3543116 -0.84277171 6.81256784
 5.16985111 -3.04585954 2.6176236 -3.45001206]
 Sample 6731: [0.75008083 0.58108323 0.43290718 6.01433924 3.5747136
 -0.14434998
 1.52539484 -2.26774856 1.01853046 -5.32498356 -0.93503091 6.85352892
 5.15588653 -3.04898208 2.64147676 -3.46104659]
 Sample 6732: [0.77785309 0.59610925 0.44212981 5.97194507 3.48864684
 -0.1288292
 1.49031717 -2.25641946 0.99008067 -5.27436575 -0.93861461 6.87414023
 5.17623109 -3.09826837 2.60824402 -3.49549593]
 Sample 6733: [0.83775488 0.57461936 0.43369365 6.02337394 3.47101514
 -0.05006736
 1.49369507 -2.31172873 0.93854202 -5.22872925 -0.94319951 6.79204256
 5.09479364 -3.14825847 2.5500857 -3.4685732]
 Sample 6734: [0.8110984 0.60205503 0.4610944 5.98661108 3.43361544
 0.01299723
 1.50525488 -2.30799609 0.9561902 -5.25936508 -0.98495467 6.83906345
 5.09550559 -3.19759603 2.50669581 -3.46671838]
 Sample 6735: [0.77053082 0.58371655 0.41377995 6.03847089 3.38534068
 0.02817738
 1.54001309 -2.25009404 1.03829575 -5.2292628 -0.96387721 6.88971412
 5.11236918 -3.20860772 2.4141047 -3.49210145]
 Sample 6736: [0.76957906 0.61460229 0.44252708 6.06318863 3.34588446
 -0.04835847
 1.58696508 -2.22947309 0.97514617 -5.257376 -0.9959853 6.91676771
 5.0080377 -3.25604129 2.45437027 -3.60225984]
 Sample 6737: [0.71368482 0.61366354 0.411109 6.02567358 3.32555873
 -0.105441
 1.67652347 -2.26230653 1.02911663 -5.24498982 -1.00672994 6.86277149
 4.9899233 -3.22277339 2.38530625 -3.59630368]
 Sample 6738: [0.80116273 0.6373549 0.45475721 6.06342835 3.30639022
 -0.15494692
 1.70261656 -2.2167226 1.07255372 -5.24349755 -1.04708252 6.90276047
 4.92471798 -3.18049336 2.44939154 -3.60985739]

Sample 6739: [0.78148678 0.62524044 0.40694459 6.07210303 3.3436045
 -0.1620052
 1.72355682 -2.16898885 1.12632533 -5.27750878 -1.05270708 6.92020642
 4.93649918 -3.1206059 2.40168509 -3.57863996]
 Sample 6740: [0.80057703 0.64313963 0.41005654 6.03286992 3.34236957
 -0.13831911
 1.73604064 -2.10499557 1.07853956 -5.2472414 -1.10049231 6.92532395
 4.8863086 -3.0958515 2.36267841 -3.62724396]
 Sample 6741: [0.86064517 0.6455438 0.38731949 6.0105055 3.29209031
 -0.20316649
 1.76504557 -2.09965348 1.11321176 -5.32632438 -1.08491735 6.89322793
 4.88371051 -3.0239542 2.42822667 -3.5797663]
 Sample 6742: [0.86403083 0.64419663 0.37884281 5.9714032 3.34032811
 -0.23179378
 1.74214485 -1.92581662 1.07017411 -5.33576608 -1.17079046 6.94298668
 4.85765154 -3.07354518 2.44861259 -3.53876528]
 Sample 6743: [0.82588875 0.64193497 0.33810087 6.00353005 3.27763418
 -0.28959911
 1.69145649 -1.81343524 1.04541535 -5.39450001 -1.0999569 6.91288544
 4.91493125 -3.00184505 2.45532434 -3.49112687]
 Sample 6744: [0.82355537 0.61463467 0.36761309 5.95866774 3.21034157
 -0.31999353
 1.63874255 -1.88256207 1.00290918 -5.43670295 -1.15349476 6.94999433
 4.98892197 -2.94633317 2.3932243 -3.4951558]
 Sample 6745: [0.82169243 0.64193376 0.34708341 6.00520016 3.23851412
 -0.26921642
 1.64581692 -1.86572855 0.9795796 -5.45329989 -1.19549998 6.92723698
 4.99624273 -2.94852529 2.40616775 -3.50038382]
 Sample 6746: [0.81419754 0.61566823 0.36982316 6.04703849 3.32893539
 -0.19373752
 1.72044282 -1.88384056 0.9205183 -5.50621789 -1.20985155 6.84065112
 4.87960112 -2.97844792 2.46606441 -3.52847803]
 Sample 6747: [0.89402778 0.65843202 0.36488449 6.0173083 3.36707247
 -0.16975329
 1.7355948 -1.92416736 0.89283422 -5.59057948 -1.19342758 6.78380284
 4.91756291 -2.92615735 2.45508634 -3.50026305]
 Sample 6748: [0.89436115 0.64041648 0.37666997 5.92330668 3.39751982
 -0.20766603
 1.80282227 -1.94367455 0.791505 -5.61411346 -1.18067717 6.77189784
 4.9231583 -2.94937167 2.45730253 -3.51498452]
 Sample 6749: [0.86666502 0.64971906 0.37563111 5.89288093 3.27867803
 -0.17505065
 1.72003342 -1.93335205 0.83349093 -5.64857743 -1.20409747 6.74778088
 4.97227323 -2.97648876 2.46488565 -3.4875056]
 Sample 6750: [0.79285561 0.61922941 0.36845846 5.78912921 3.24324934
 -0.11290938
 1.73426238 -1.92622075 0.91545805 -5.56787096 -1.21038087 6.79894319
 4.88991429 -2.94216953 2.51456789 -3.58943566]

Sample 6751: [0.79545493 0.64848857 0.35779523 5.7952063 3.24089833
 -0.16537162
 1.78200639 -1.88122009 0.91634519 -5.6370766 -1.24034566 6.73899
 4.80601094 -2.93473228 2.55190212 -3.6984497]
 Sample 6752: [0.73802955 0.62710233 0.35743872 5.76385047 3.25663775
 -0.23760581
 1.76717064 -1.84425955 0.929714 -5.73019562 -1.19410557 6.72755499
 4.88236459 -2.93237823 2.54658675 -3.64813884]
 Sample 6753: [0.74011617 0.66724407 0.36752205 5.67858402 3.23413847
 -0.1460655
 1.85176979 -1.96649218 1.03647707 -5.78790345 -1.23928129 6.77060552
 4.92781085 -2.96822739 2.58767978 -3.61253137]
 Sample 6754: [0.72658074 0.66903025 0.38251562 5.6493851 3.3509326
 -0.01383916
 1.85125486 -1.92453294 1.05808623 -5.76950454 -1.12656308 6.73984215
 4.97062003 -2.88009086 2.52905833 -3.5942387]
 Sample 6755: [0.81189475 0.66173977 0.36675248 5.72216554 3.28817742
 0.15705198
 1.88083639 -1.96299233 1.04103574 -5.77120201 -1.02870206 6.68313053
 4.93593731 -2.9549919 2.59605185 -3.55570339]
 Sample 6756: [0.86776172 0.65192663 0.37561014 5.77888791 3.28355229
 0.08817218
 1.77694399 -1.92215075 1.02773344 -5.79399022 -0.98788273 6.69890999
 4.90656617 -2.98880138 2.62510946 -3.55691508]
 Sample 6757: [0.92808434 0.62550531 0.33597474 5.83451117 3.25888761
 0.04208236
 1.72149615 -1.7800094 1.05640071 -5.78657306 -0.99198548 6.71798637
 4.87301854 -3.01844912 2.57987315 -3.53724915]
 Sample 6758: [0.88878215 0.62975234 0.35864927 5.85929795 3.35674342
 0.03340926
 1.73600082 -1.80686613 1.04818097 -5.75520726 -0.99046762 6.64433568
 4.821917 -3.08955465 2.61672567 -3.65911187]
 Sample 6759: [0.86764237 0.62500378 0.34502691 5.93292437 3.30523938
 0.02808761
 1.72018169 -1.78825331 1.09879843 -5.70962842 -1.01380142 6.67341153
 4.77952864 -3.07576583 2.61423263 -3.57385484]
 Sample 6760: [0.83937302 0.62013713 0.35033827 5.9481447 3.31408589
 -0.01056974
 1.66668495 -1.83676572 1.01917177 -5.70318799 -1.04484679 6.67577885
 4.77651472 -3.10579044 2.6833121 -3.62219123]
 Sample 6761: [0.85127762 0.59762452 0.37321319 5.9226463 3.23899932
 0.02081379
 1.62612688 -1.87942301 1.15436576 -5.76106946 -1.02935273 6.72578544
 4.77936224 -3.11536879 2.58758455 -3.61385145]
 Sample 6762: [0.83965516 0.64233353 0.35561452 5.86733511 3.23097743
 0.03874961
 1.6929903 -1.93610651 1.11531179 -5.6916876 -1.08155218 6.65327165
 4.82514123 -3.14479244 2.59880531 -3.49464707]

Sample 6763: [0.76538647 0.61398273 0.38159786 5.9104165 3.23353862
0.1247036
1.60307539 -1.91480155 1.17945864 -5.63918479 -0.99997616 6.63377532
4.91255391 -3.10381861 2.67830413 -3.49643179]
Sample 6764: [0.78845387 0.62358604 0.35392878 5.90499219 3.29007836
0.1067358
1.64693723 -1.92279532 1.14170157 -5.62066496 -0.99491918 6.64416169
4.90093623 -3.16027627 2.6508607 -3.44983992]
Sample 6765: [0.86666602 0.61196866 0.35327935 5.85916754 3.28171943
0.04309922
1.6389652 -1.78127119 1.23777958 -5.61505593 -1.02768543 6.59861732
4.84200359 -3.14249599 2.57602527 -3.47730077]
Sample 6766: [0.82335501 0.62025149 0.33928241 5.83329066 3.32878189
0.0620169
1.6408101 -1.87239764 1.2467257 -5.66462647 -1.08104941 6.51450123
4.86234724 -3.09655577 2.58109118 -3.44093638]
Sample 6767: [0.83802831 0.62264709 0.37276018 5.87310882 3.39616449
0.0583712
1.63408416 -1.85263914 1.19680847 -5.70310795 -1.09129736 6.46880525
4.9359503 -3.08680999 2.60752464 -3.43781921]
Sample 6768: [0.80778781 0.62770638 0.31909214 5.92847902 3.37202875
0.05175638
1.72715044 -1.79583487 1.1824938 -5.7562644 -1.09444568 6.54106312
5.04339758 -3.05229719 2.55288563 -3.4426376]
Sample 6769: [0.87581492 0.64540863 0.36953645 5.97140197 3.28053947
-0.04977732
1.67872797 -1.83380062 1.21517686 -5.77209315 -1.10470231 6.53655501
5.02218763 -3.08296085 2.61785829 -3.48489317]
Sample 6770: [0.87477335 0.6188945 0.29058175 5.99367668 3.26614675
-0.04002099
1.76026381 -1.66759864 1.22957993 -5.76160422 -1.17358791 6.48280508
5.0169021 -3.00593395 2.63170725 -3.50501779]
Sample 6771: [0.81610425 0.67311684 0.33713879 5.97022337 3.22387389
-0.02654661
1.78295364 -1.66731467 1.13977282 -5.85754137 -1.17247324 6.28763217
5.04224721 -3.08205919 2.62125005 -3.50672425]
Sample 6772: [0.78858657 0.61421387 0.31211047 6.00361333 3.20802918
-0.02859129
1.80752604 -1.75413389 1.04180046 -5.9407634 -1.24813694 6.20580121
5.00848385 -2.98250556 2.64211206 -3.55693462]
Sample 6773: [0.63019202 0.6901209 0.36317624 6.01926489 3.27080623
-0.04688222
1.8351482 -1.80007303 1.03068282 -5.90575645 -1.23455399 6.26654771
5.03885157 -2.96344184 2.59336216 -3.55874045]
Sample 6774: [5.73848734e-01 6.16965216e-01 3.36231413e-01 6.03081079e+00
3.24306270e+00 3.29759102e-04 1.83203056e+00 -1.86507620e+00
9.70877726e-01 -5.88708442e+00 -1.20926536e+00 6.27670901e+00
4.98599438e+00 -3.00780529e+00 2.49826757e+00 -3.50728561e+00]

Sample 6775: [0.63202934 0.68779159 0.36931273 6.05831475 3.27424832
 -0.01089855
 1.77575121 -1.83660814 1.01580334 -5.89159732 -1.19131838 6.32058343
 5.01075688 -3.06474756 2.48419579 -3.43375191]
 Sample 6776: [0.64077984 0.61144542 0.33552397 6.03635157 3.26770072
 -0.02386283
 1.77135297 -1.86786011 1.07429926 -5.9948033 -1.24461306 6.28757512
 5.01009521 -3.06330336 2.45909925 -3.39207298]
 Sample 6777: [0.64822505 0.71168285 0.35289714 5.99628379 3.29365291
 -0.05726856
 1.88382075 -1.77236815 1.1486598 -5.94619624 -1.20102005 6.23244802
 5.05161169 -3.1698951 2.43183208 -3.41073658]
 Sample 6778: [0.66794121 0.63644295 0.3305773 5.92012803 3.32482713
 -0.06035089
 1.85667928 -1.8450357 1.16249604 -5.92671472 -1.16790852 6.20111734
 4.99330573 -3.26279623 2.47590991 -3.35254674]
 Sample 6779: [0.65215164 0.71536532 0.35370246 5.94333142 3.22384526
 0.01064636
 1.92366469 -1.81973107 1.18710635 -5.98085379 -1.15671294 6.15001271
 5.03429054 -3.1940229 2.39697016 -3.3788514]
 Sample 6780: [0.68341733 0.63720031 0.34693498 5.94206746 3.12636579
 0.01819842
 1.88500088 -1.87403131 1.10171545 -6.01382663 -1.18506975 6.1940137
 4.98613741 -3.17105993 2.42346228 -3.43782236]
 Sample 6781: [0.72590055 0.68299155 0.35322403 6.00627469 3.19052164
 -0.0195345
 1.82293425 -1.80449756 1.11435104 -6.04520836 -1.17458193 6.19145437
 4.99657677 -3.16138967 2.42711887 -3.49937718]
 Sample 6782: [0.67901984 0.61692851 0.33274158 6.05129349 3.22508655
 0.07197339
 1.78702471 -1.80095135 1.04523269 -6.01876292 -1.18441294 6.1684975
 4.91963878 -3.22877294 2.43210988 -3.46494033]
 Sample 6783: [0.71805775 0.66677537 0.34180215 6.12171975 3.2008024
 -0.00884761
 1.78242203 -1.75102708 1.0172887 -6.02278275 -1.21458431 6.15998316
 4.88393835 -3.20683858 2.39611707 -3.49261967]
 Sample 6784: [0.74675304 0.62176236 0.31786671 6.16160153 3.26070853
 -0.06527171
 1.8015892 -1.71955561 1.04349114 -6.07137208 -1.18419468 6.12690607
 4.98225306 -3.20825732 2.37603739 -3.51093617]
 Sample 6785: [0.73047205 0.65958984 0.35203297 6.14391633 3.2880982
 -0.12935218
 1.80458838 -1.81922108 1.03653735 -6.00988028 -1.19704042 6.0513494
 5.05865675 -3.22443298 2.33009094 -3.53113479]
 Sample 6786: [0.7433206 0.61843943 0.31989097 6.12848685 3.32738835
 -0.1081765
 1.78733432 -1.71632734 1.09181971 -6.02288526 -1.18611705 5.99121784
 5.13711877 -3.29978807 2.44269083 -3.5164]

Sample 6787: [0.70551616 0.65195483 0.33855128 6.22422422 3.40829237
 -0.10921206
 1.75657761 -1.73345173 1.05349215 -5.99351211 -1.15212736 6.0036461
 5.11831208 -3.33442761 2.50291847 -3.46198357]
 Sample 6788: [0.76507091 0.60582814 0.3222238 6.24674677 3.48932638
 -0.18266019
 1.72548692 -1.75834122 1.0475195 -5.89525284 -1.15851661 6.00028654
 5.16758847 -3.35193328 2.51775572 -3.46877548]
 Sample 6789: [0.7602895 0.6565373 0.34742765 6.22538107 3.58232289
 -0.21701693
 1.75675886 -1.77255723 1.08131807 -5.95961785 -1.13974303 5.99779832
 5.13184355 -3.3814661 2.51249266 -3.39384968]
 Sample 6790: [0.6594256 0.61111632 0.32218247 6.30447367 3.58199548
 -0.20318766
 1.70346428 -1.78475041 1.13026713 -5.9077705 -1.10219771 5.92671441
 5.19721564 -3.32195021 2.61199161 -3.31985834]
 Sample 6791: [0.60857414 0.64134167 0.35264597 6.25945837 3.60664068
 -0.2225728
 1.65888866 -1.75415633 1.21002629 -5.97528339 -0.96796955 5.90684535
 5.2019763 -3.27396277 2.65758077 -3.30988948]
 Sample 6792: [0.53857665 0.60073311 0.3015269 6.30289597 3.61200392
 -0.26073823
 1.66085148 -1.83620996 1.15214846 -6.06359925 -0.98599176 5.88776685
 5.13400467 -3.25994237 2.68339995 -3.26132093]
 Sample 6793: [0.50561253 0.64333175 0.38628079 6.36813292 3.66996057
 -0.25736963
 1.62382468 -1.84535544 1.06708369 -6.09067664 -1.00673082 5.94197688
 5.09310237 -3.23969197 2.66400466 -3.23299572]
 Sample 6794: [0.53226407 0.59554505 0.29690403 6.35625025 3.72255927
 -0.15131142
 1.60834375 -1.86075848 1.00737557 -6.20110363 -0.95643815 5.89610848
 5.06268735 -3.28176475 2.70604507 -3.10857763]
 Sample 6795: [0.49459505 0.65324839 0.36774531 6.29741061 3.68426546
 -0.21310069
 1.5920453 -1.84130198 0.87066236 -6.1886009 -0.89914155 5.90681285
 5.05400087 -3.24840025 2.80223046 -3.0999281]
 Sample 6796: [0.52800462 0.56011728 0.32084152 6.31802805 3.68979782
 -0.24586002
 1.48684441 -1.84309598 0.78509051 -6.07630391 -0.85179513 5.94271203
 5.2043835 -3.24437636 2.79253447 -3.15682085]
 Sample 6797: [0.54303864 0.62499214 0.3315867 6.31307381 3.67989997
 -0.20769373
 1.46361225 -1.91827327 0.87696886 -6.07043375 -0.86312413 6.01950431
 5.24368868 -3.19805581 2.85760275 -3.14787031]
 Sample 6798: [0.49274125 0.57052534 0.32953216 6.39147008 3.67956448
 -0.2141093
 1.47972713 -1.88484033 0.92281125 -6.00172859 -0.86768849 6.0697121
 5.22006358 -3.14227551 2.75451028 -3.13137199]

Sample 6799: [0.44426103 0.65592605 0.30865569 6.3631416 3.63864895
 -0.18082312
 1.62158826 -1.81811736 0.9734235 -6.01649237 -0.88674813 6.06449585
 5.16815154 -3.16309864 2.83139647 -3.10777138]
 Sample 6800: [0.45029685 0.60488994 0.32180752 6.35687956 3.65128663
 -0.07746637
 1.62291075 -1.82528418 0.9987006 -5.98153465 -0.8875532 6.06051353
 5.19828799 -3.25664064 2.84608838 -3.13305764]
 Sample 6801: [0.38678302 0.6518724 0.3746085 6.39575768 3.62206848
 -0.22705819
 1.61454152 -1.84377221 0.99841159 -6.01326019 -0.84981859 6.11596169
 5.15347345 -3.32458053 2.81227053 -3.15748304]
 Sample 6802: [0.29313184 0.60180281 0.32081562 6.35033225 3.61503048
 -0.15495919
 1.62588847 -1.8018749 1.00827288 -5.99087482 -0.87291776 6.08996478
 5.08883691 -3.30775483 2.83672296 -3.17819751]
 Sample 6803: [0.32631048 0.6242155 0.38040769 6.36589727 3.56604072
 -0.20218105
 1.57924803 -1.92165746 0.93779374 -5.91871976 -0.91635075 6.10558522
 5.09573717 -3.32404426 2.8712919 -3.17512025]
 Sample 6804: [0.34585263 0.58125573 0.37121892 6.38745493 3.42338864
 -0.18908499
 1.51009819 -1.9422935 0.95311426 -5.86656709 -1.031704 6.05810668
 5.14021803 -3.31775094 2.8051381 -3.20884061]
 Sample 6805: [0.25140916 0.57562431 0.3908442 6.42877871 3.47220801
 -0.17926112
 1.45156861 -1.98257482 0.92122517 -5.83252002 -1.0986382 5.96898912
 5.09053728 -3.38856724 2.76101402 -3.23555215]
 Sample 6806: [0.29764969 0.56095506 0.38819175 6.48785339 3.41201575
 -0.21870051
 1.39925971 -1.99554757 0.85889885 -5.80882961 -1.25800194 6.00215416
 5.15837017 -3.42494402 2.76594684 -3.17858355]
 Sample 6807: [0.24927055 0.56589528 0.36862476 6.42475049 3.35221735
 -0.1929025
 1.43083723 -1.87694477 0.8068536 -5.79927097 -1.27454138 6.12940706
 5.15453726 -3.44470831 2.69218674 -3.21997594]
 Sample 6808: [0.31445253 0.59406652 0.31690204 6.38976076 3.3912551
 -0.18093212
 1.45152493 -1.75380904 0.79992322 -5.72268451 -1.22266561 6.14189999
 5.2073248 -3.36883403 2.7533667 -3.11668342]
 Sample 6809: [0.29144545 0.56194303 0.37592011 6.37094738 3.37995855
 -0.25485633
 1.39057766 -1.79675206 0.85642082 -5.67815247 -1.18058257 6.1293783
 5.29527469 -3.331236 2.881187 -3.1312402]
 Sample 6810: [0.23153449 0.56672914 0.31959388 6.32470503 3.3501818
 -0.25385484
 1.41343059 -1.72623918 0.9061841 -5.73417406 -1.16736155 6.08010661
 5.33131459 -3.3233517 2.94191845 -3.16514314]

Sample 6811: [0.26200687 0.54457361 0.3801785 6.24450358 3.39875854
 -0.24204536
 1.35153214 -1.83306547 0.9808174 -5.69507902 -1.27429928 6.15473678
 5.42436863 -3.30697695 2.89079068 -3.24759168]
 Sample 6812: [0.25052606 0.52701187 0.33948853 6.17544971 3.44574334
 -0.27848908
 1.27607655 -1.82871156 0.94910847 -5.76540766 -1.29601446 6.14511814
 5.38553348 -3.29880552 2.81953465 -3.22298761]
 Sample 6813: [0.22637832 0.52571106 0.38231036 6.15806903 3.44253597
 -0.34120878
 1.26688794 -1.84198283 0.99992577 -5.77380409 -1.33108143 6.15106638
 5.49493785 -3.43073452 2.79856872 -3.2221398]
 Sample 6814: [0.26725165 0.53463338 0.32734557 6.13744617 3.52048865
 -0.39045484
 1.25208645 -1.77351028 0.99871975 -5.74791112 -1.28618127 6.15966515
 5.38037796 -3.48515159 2.78123452 -3.19819052]
 Sample 6815: [0.26795553 0.52067802 0.38833566 6.06962861 3.56700952
 -0.42956585
 1.24748514 -1.86685837 0.97221115 -5.71177655 -1.27838275 6.11650233
 5.39349007 -3.45864889 2.72190187 -3.24411112]
 Sample 6816: [0.3416575 0.54871705 0.35668584 5.95212585 3.60234781
 -0.43569029
 1.2692421 -1.92204662 0.92510765 -5.70011733 -1.26166348 6.17758369
 5.40191426 -3.40649062 2.77803248 -3.23311306]
 Sample 6817: [0.28899648 0.5285811 0.36385061 5.95837095 3.63723783
 -0.44148971
 1.27691103 -1.88295436 0.91601203 -5.65981992 -1.24639973 6.10257856
 5.46428422 -3.45168204 2.76688288 -3.1684837]
 Sample 6818: [0.31962928 0.55996594 0.39419031 5.91076157 3.61076715
 -0.48560481
 1.30498962 -1.93578836 0.88192635 -5.67846349 -1.23777053 6.09410449
 5.40515562 -3.43029413 2.70367041 -3.17155376]
 Sample 6819: [0.26596232 0.55497739 0.35868246 5.82706017 3.55901221
 -0.38888753
 1.35482895 -1.91391365 0.84987482 -5.65473001 -1.18679907 6.14521742
 5.34554481 -3.32817735 2.76242034 -3.19057416]
 Sample 6820: [0.1825644 0.56336822 0.38031948 5.87453631 3.60435506
 -0.37101311
 1.39907523 -1.91039162 0.7533397 -5.59871596 -1.13060351 6.17296921
 5.39716741 -3.28042522 2.74593333 -3.14849043]
 Sample 6821: [0.2322696 0.54657098 0.36280792 5.89602229 3.56322782
 -0.30100836
 1.38791155 -1.85650311 0.80922526 -5.67596154 -1.24124314 6.1483486
 5.42097448 -3.23687283 2.75398982 -3.19251315]
 Sample 6822: [0.22891368 0.55314253 0.37686727 5.90639911 3.63063553
 -0.26369449
 1.31037527 -1.91526732 0.83639143 -5.73016616 -1.28369214 6.12912245
 5.35568565 -3.19817111 2.80779421 -3.16440077]

Sample 6823: [0.29802387 0.54611251 0.38625243 5.82055942 3.69527908
-0.33526723
1.37015116 -1.95734477 0.79021705 -5.77023907 -1.23808256 6.09305164
5.26545604 -3.26103628 2.90434364 -3.18406998]

Sample 6824: [0.26395103 0.55889087 0.4034357 5.80739031 3.79254529
-0.41613439
1.32117246 -2.03920119 0.85241176 -5.7029146 -1.24418047 6.09871346
5.29139704 -3.29236915 2.90765155 -3.19220185]

Sample 6825: [0.26821764 0.52810223 0.40169847 5.75730785 3.79123207
-0.36220258
1.31345006 -2.02511132 0.76252091 -5.74551844 -1.27667131 6.01224453
5.30182 -3.2560693 2.9608561 -3.18174341]

Sample 6826: [0.28001747 0.53253348 0.39021513 5.78493563 3.80319657
-0.31621736
1.21972698 -1.99739386 0.796015 -5.80838557 -1.1735176 5.97237013
5.21763232 -3.26346697 2.95765612 -3.2155311]

Sample 6827: [0.18898801 0.48589281 0.36840259 5.76047637 3.86784455
-0.31373199
1.15082693 -1.9723799 0.71362558 -5.82651542 -1.12120804 5.98717345
5.2841836 -3.28047091 2.98315603 -3.27762104]

Sample 6828: [0.20469303 0.48648068 0.39484813 5.742388 3.89643584
-0.31797549
1.13887856 -1.92205816 0.6902448 -5.84319541 -1.17931837 6.03435409
5.30482745 -3.27182886 2.97978198 -3.26811656]

Sample 6829: [0.25645091 0.50698726 0.35927225 5.87315338 3.8259943
-0.20956388
1.14147888 -1.94456117 0.74049039 -5.82151461 -1.11056229 6.04957534
5.38706833 -3.30215806 2.98452103 -3.28694683]

Sample 6830: [0.28211292 0.48874345 0.38930529 5.82700056 3.91202004
-0.25561226
1.1742349 -1.89465436 0.77597362 -5.93452232 -1.14918416 5.97505843
5.48755154 -3.29877797 2.87881785 -3.27786714]

Sample 6831: [0.27659743 0.51145378 0.3684216 5.77789516 3.86970042
-0.26932014
1.14139558 -1.96357378 0.73908445 -5.90447394 -1.1541948 5.97512639
5.46422392 -3.26136256 2.8458461 -3.37729452]

Sample 6832: [0.26698217 0.47197833 0.4096474 5.72596973 3.88425239
-0.36488409
1.1243144 -1.99955593 0.78719696 -5.8871235 -1.17327659 6.0688781
5.48304134 -3.36942229 2.79398564 -3.36719754]

Sample 6833: [0.35377949 0.51641175 0.36275653 5.68121704 3.87492151
-0.34072324
1.14161578 -1.95761047 0.68437563 -5.97073011 -1.18901949 6.1011433
5.53181998 -3.22481515 2.75184466 -3.34474847]

Sample 6834: [0.32775675 0.47373098 0.3894919 5.75647979 3.89190878
-0.3189743
1.11824251 -2.02311288 0.68663098 -5.89941546 -1.16944282 6.05931228
5.55566015 -3.15307037 2.68083551 -3.3711025]

Sample 6835: [0.3549094 0.49979914 0.39831539 5.73439613 3.93627277
 -0.36001124
 1.08381834 -2.03687226 0.61177355 -5.91768816 -1.13004077 6.0972189
 5.4585059 -3.1509136 2.77156107 -3.42285931]
 Sample 6836: [0.26464852 0.47438812 0.41477948 5.79406303 3.94749105
 -0.42406585
 1.09781067 -2.10015969 0.62121794 -5.90752693 -1.20269094 6.02876669
 5.45435292 -3.11101444 2.84888894 -3.50491726]
 Sample 6837: [0.31203603 0.47946499 0.41152005 5.84264261 3.95554725
 -0.37553333
 1.08362981 -2.10034182 0.6173473 -5.9005306 -1.29769438 5.98866695
 5.4324835 -3.09354095 2.87669121 -3.49999242]
 Sample 6838: [0.3369564 0.47608804 0.40645686 5.870713 3.96444259
 -0.33974526
 1.08871896 -2.03143113 0.56319054 -5.90043796 -1.19086749 6.03464049
 5.45551535 -3.1236554 2.87220345 -3.52488815]
 Sample 6839: [0.39147528 0.4717493 0.39871825 5.79399526 3.93430519
 -0.36398213
 1.05613989 -2.10208967 0.56722654 -5.85693229 -1.16637556 6.04598871
 5.49634853 -3.12712935 2.90419297 -3.47384945]
 Sample 6840: [0.32065971 0.48024669 0.43743411 5.93509159 3.97087415
 -0.27952973
 1.02795504 -2.18632323 0.54106684 -5.88370429 -1.15118113 5.94928947
 5.49187508 -3.11758858 2.86968245 -3.44579753]
 Sample 6841: [0.35386295 0.48253443 0.41427832 5.93563051 4.02489076
 -0.31406329
 1.09016307 -2.16253996 0.5334732 -5.88863104 -1.20830154 5.94423572
 5.39669073 -3.11321033 2.88943547 -3.4691599]
 Sample 6842: [0.3647714 0.46064693 0.4229119 6.02848173 4.02802832
 -0.302297
 1.04390275 -2.13997882 0.61924326 -5.95750266 -1.29264582 5.95442382
 5.42099728 -3.18958631 2.84572048 -3.47961233]
 Sample 6843: [0.43554091 0.45112024 0.42282531 6.02588605 4.06689693
 -0.28137406
 1.00200719 -2.21072389 0.52430933 -6.01340201 -1.33589013 5.90411893
 5.51012147 -3.20137381 2.75615225 -3.55103283]
 Sample 6844: [0.47423466 0.45573816 0.42485129 6.04509116 4.13899502
 -0.27673141
 1.0227812 -2.19223787 0.47040906 -6.0659415 -1.31620111 5.89432882
 5.467137 -3.18406208 2.83493174 -3.48900825]
 Sample 6845: [0.42979358 0.49027331 0.42571377 5.94657162 4.14531391
 -0.40419159
 1.09453593 -2.20407513 0.41933503 -6.06963818 -1.32587645 5.8537014
 5.42289051 -3.19947923 2.81684159 -3.50529055]
 Sample 6846: [0.379033 0.47058204 0.43400032 5.93585824 4.06797377
 -0.47422592
 1.1316591 -2.20187703 0.51900364 -6.02775782 -1.31421698 5.88264541
 5.48967852 -3.2013011 2.81250973 -3.5206192]

Sample 6847: [0.37230506 0.50172671 0.43942447 5.9853011 3.95221808
 -0.53098786
 1.16793297 -2.2401964 0.46995925 -5.97723348 -1.3402006 5.810953
 5.52692481 -3.28746356 2.86287881 -3.49502607]
 Sample 6848: [0.39400832 0.50078681 0.4497937 5.93790425 3.92489478
 -0.46845172
 1.2251217 -2.26915895 0.40746157 -5.97543828 -1.36810577 5.81654648
 5.5106438 -3.32375006 2.86141714 -3.48614024]
 Sample 6849: [0.42479215 0.49833377 0.44222704 6.05473295 3.94724884
 -0.40887583
 1.16056541 -2.27939705 0.41962901 -5.92656094 -1.40037771 5.81836846
 5.53042762 -3.39204253 2.94076036 -3.48747515]
 Sample 6850: [0.40212575 0.48843551 0.44655488 6.03349209 3.95316081
 -0.48057186
 1.1888033 -2.24931227 0.46248253 -5.93712768 -1.34713393 5.90675649
 5.4823694 -3.37768901 2.88861904 -3.51506497]
 Sample 6851: [0.49889797 0.50757095 0.42191229 6.11800412 3.98352008
 -0.44054668
 1.24091933 -2.23397478 0.44914645 -5.9378624 -1.31699894 5.88146843
 5.51740772 -3.40036798 2.85487716 -3.57798131]
 Sample 6852: [0.58660566 0.49350836 0.45314558 6.13704195 3.95601251
 -0.52853466
 1.25376555 -2.30363689 0.37769996 -5.8111977 -1.26384335 5.85258175
 5.48508691 -3.42278761 2.88592926 -3.6551023]
 Sample 6853: [0.55097784 0.50858722 0.43207932 6.15868588 3.93891706
 -0.58982646
 1.23913147 -2.27574092 0.4242093 -5.82756727 -1.27086333 5.90808423
 5.46660296 -3.43236202 2.9409142 -3.60417533]
 Sample 6854: [0.65561824 0.52577189 0.44495862 6.15510843 3.94406226
 -0.53333848
 1.31089938 -2.25723855 0.35867158 -5.77258551 -1.28939711 5.95868
 5.39562877 -3.50479413 2.97098833 -3.61524184]
 Sample 6855: [0.64952384 0.52621171 0.41759551 6.17599332 3.92044243
 -0.47929453
 1.35273905 -2.19861778 0.40306382 -5.78416923 -1.39151278 5.98850751
 5.3336444 -3.51987316 2.98360118 -3.61298465]
 Sample 6856: [0.61636012 0.53356123 0.4285197 6.1414371 3.89599586
 -0.46691677
 1.34052608 -2.25801957 0.3538096 -5.89064481 -1.53301911 5.97140753
 5.37634814 -3.50035909 3.02294163 -3.62964437]
 Sample 6857: [0.70371512 0.51159045 0.44350608 6.16171777 3.94167576
 -0.36989054
 1.28191739 -2.25459625 0.38317719 -5.87196805 -1.4799681 6.02056561
 5.33199457 -3.41184949 3.05910528 -3.69788759]
 Sample 6858: [0.68613307 0.5101825 0.41440552 6.15908725 4.00112827
 -0.47046833
 1.30430139 -2.25386425 0.41116919 -5.89234142 -1.48472714 6.00582813
 5.29387049 -3.42238142 3.05374039 -3.71349812]

Sample 6859: [0.65208824 0.52200651 0.45696357 6.17528671 4.06608071
 -0.53473633
 1.35624226 -2.27646633 0.47308204 -5.96579808 -1.57720287 5.9753741
 5.19641713 -3.45845996 2.93887704 -3.73598958]
 Sample 6860: [0.66017737 0.54055537 0.4330136 6.0788757 4.08911968
 -0.53335638
 1.41189861 -2.27140758 0.50384947 -5.9712349 -1.57397382 6.06931715
 5.22972322 -3.5164505 2.89166254 -3.79879448]
 Sample 6861: [0.63899529 0.52888565 0.4512659 6.06713885 4.15422323
 -0.53842295
 1.46883892 -2.26802431 0.62623082 -5.99588356 -1.54216083 6.01853865
 5.28234518 -3.51339571 2.96925923 -3.83119182]
 Sample 6862: [0.68652119 0.54909834 0.41298275 6.07852459 4.11596541
 -0.55267632
 1.47754218 -2.19500917 0.44443197 -5.956813 -1.60632947 5.93130596
 5.20951147 -3.45615195 3.04239804 -3.89512238]
 Sample 6863: [0.69556938 0.51435472 0.41637985 6.11088346 4.09459425
 -0.5337237
 1.42913259 -2.16843258 0.34407575 -5.99776433 -1.53674925 5.94814296
 5.25455582 -3.48833446 3.12609501 -3.88870094]
 Sample 6864: [0.66179882 0.53743432 0.38839753 6.05970865 4.11464461
 -0.4736702
 1.36624232 -2.03698946 0.29862316 -6.07170108 -1.51126373 5.96563845
 5.21956373 -3.5584183 3.03746975 -3.83494328]
 Sample 6865: [0.74507036 0.49570458 0.41959865 6.01375305 4.11279591
 -0.49916232
 1.35131038 -2.11252948 0.22280228 -6.04128669 -1.47022657 5.95590589
 5.19041174 -3.61599555 3.026498 -3.91663767]
 Sample 6866: [0.7875151 0.5319322 0.39040234 5.92068313 4.11039337
 -0.62166198
 1.41434348 -2.0108996 0.23997888 -6.13077141 -1.40514136 5.96282257
 5.25755439 -3.61340431 3.09788575 -3.85847728]
 Sample 6867: [0.70840097 0.54509694 0.35126731 5.95473302 4.12037415
 -0.51376956
 1.49022708 -1.85496932 0.17984076 -6.28396028 -1.45680796 5.95260809
 5.25198592 -3.52614227 3.09432267 -3.87999475]
 Sample 6868: [0.71229421 0.5467164 0.37101074 5.97989235 4.15677098
 -0.51553712
 1.50951603 -1.88040242 0.16598925 -6.27047432 -1.51537096 6.01111502
 5.28152247 -3.50263836 3.13430449 -3.8284935]
 Sample 6869: [0.64214117 0.55521276 0.35933882 5.99433095 4.19513715
 -0.53356285
 1.4638676 -1.89920711 0.22703521 -6.30024147 -1.51154356 6.05152536
 5.20457387 -3.56775519 3.10130962 -3.7968085]
 Sample 6870: [0.6788276 0.51521729 0.37454932 6.0171976 4.14152691
 -0.54239008
 1.36281239 -1.94964235 0.21865249 -6.28810398 -1.48408028 6.06565722
 5.29320883 -3.52622914 3.04540686 -3.82017514]

Sample 6871: [0.64844425 0.50242741 0.36001239 6.11331605 4.00445587
-0.51222721
1.29027469 -1.86698315 0.2502647 -6.3450742 -1.40091155 6.08039186
5.23364205 -3.51451821 3.04782769 -3.78123814]
Sample 6872: [0.66127523 0.48832103 0.35746317 6.1748982 3.98265864
-0.44852344
1.23312501 -1.87589642 0.20283963 -6.24248816 -1.39606972 6.07784523
5.33747399 -3.55951062 3.021178 -3.73239528]
Sample 6873: [0.64488227 0.50991926 0.35059017 6.17323722 4.00000887
-0.51417847
1.22045191 -1.83550048 0.23783955 -6.29651207 -1.4920668 6.05484935
5.29897608 -3.58960341 2.9672357 -3.73683732]
Sample 6874: [0.62310502 0.4712941 0.36299309 6.17495638 4.03254039
-0.50911458
1.22289186 -1.8942676 0.15382774 -6.34316168 -1.50693512 6.07073812
5.2453338 -3.57979482 3.00799286 -3.77434464]
Sample 6875: [0.62849631 0.52108918 0.36532146 6.13448487 4.01157062
-0.40869554
1.1782779 -1.89414246 0.08091622 -6.30957519 -1.44871914 6.09700289
5.17725571 -3.4077185 2.94901099 -3.77634545]
Sample 6876: [0.57883353 0.50351555 0.34845047 6.1064285 3.96202941
-0.39741284
1.19129814 -1.81315178 0.0834699 -6.29755285 -1.4046086 6.16969112
5.17168153 -3.44724646 2.99704231 -3.67928922]
Sample 6877: [0.58122755 0.55706981 0.33071868 6.13237864 3.95981383
-0.42848006
1.40025694 -1.74979264 0.08787431 -6.24780381 -1.5279033 6.14756197
5.05589496 -3.48814726 2.84769596 -3.51977466]
Sample 6878: [0.63867815 0.55750107 0.31763594 6.14412676 3.8207034
-0.3957234
1.37950921 -1.68648219 0.10131877 -6.15818988 -1.47896235 6.16889324
5.03588147 -3.47518991 2.81076594 -3.53118333]
Sample 6879: [0.71330858 0.54230037 0.31150883 6.2446701 3.84291949
-0.48174558
1.33331549 -1.65967417 0.11822134 -6.1969609 -1.56280342 6.11504263
5.01923396 -3.46023552 2.80759608 -3.50489584]
Sample 6880: [0.74836061 0.52947453 0.29853186 6.1450971 3.9160201
-0.46635073
1.35758509 -1.55686999 0.20267323 -6.1765604 -1.59110645 6.17427456
5.00599744 -3.51016831 2.84740351 -3.56826558]
Sample 6881: [0.81048261 0.51618455 0.29530303 6.09706945 3.90919853
-0.40964969
1.29257603 -1.57954761 0.10461836 -6.18365856 -1.5389665 6.12997368
5.08974493 -3.5794924 2.87281059 -3.68695795]
Sample 6882: [0.83706217 0.50648779 0.29141124 6.08268448 3.77875031
-0.47548645
1.26020426 -1.55032602 0.10811341 -6.16184494 -1.59478079 6.17682428
5.16852016 -3.59999468 2.84587974 -3.69793711]

Sample 6883: [0.78040062 0.4863174 0.28343649 6.08408286 3.78388353
 -0.45983766
 1.20884471 -1.49023191 0.09048583 -6.20901297 -1.59764483 6.16271118
 5.12526751 -3.63464192 2.98545925 -3.70847972]
 Sample 6884: [0.76682909 0.5003947 0.25183758 6.05244091 3.83227766
 -0.45961056
 1.15669114 -1.37953518 0.09567824 -6.24520968 -1.64397476 6.21221502
 5.05344125 -3.55366429 3.05346522 -3.72791798]
 Sample 6885: [0.78468467 0.47952698 0.275079 6.00830945 3.93452037
 -0.45033859
 1.10726288 -1.41562457 0.15388018 -6.30221769 -1.66330307 6.28429656
 5.06552411 -3.55565631 3.08884958 -3.6478166]
 Sample 6886: [0.8218791 0.46918377 0.26462566 6.06329789 3.91545548
 -0.3326143
 1.0984579 -1.42736763 0.19904128 -6.32979317 -1.58155421 6.3269858
 5.05388286 -3.6373752 3.13230244 -3.62548249]
 Sample 6887: [0.81610855 0.47273033 0.2552112 6.0436793 4.00557145
 -0.33506747
 1.02205049 -1.30881447 0.15879681 -6.34979934 -1.59264185 6.28495927
 5.04238946 -3.62529566 3.088187 -3.72899697]
 Sample 6888: [0.83719825 0.43783996 0.23927313 6.09546312 4.00569506
 -0.30001911
 0.98657594 -1.29428828 0.16807709 -6.31389199 -1.53551599 6.26723612
 5.06558562 -3.61529504 3.17614789 -3.74018695]
 Sample 6889: [0.83527495 0.42982334 0.24232323 6.03752939 4.0405833
 -0.21939125
 0.93014388 -1.26017858 0.23078571 -6.22510697 -1.45958168 6.27204801
 4.99604752 -3.55691202 3.11011388 -3.75068158]
 Sample 6890: [0.84245482 0.43614983 0.23275204 5.9954422 4.01227489
 -0.30509359
 0.93110973 -1.25881967 0.23933465 -6.22802819 -1.52105669 6.31860583
 4.94590405 -3.47421031 3.13157483 -3.77792542]
 Sample 6891: [0.81468022 0.44709138 0.23697472 5.96696015 4.01607314
 -0.30693185
 0.91371399 -1.22457421 0.25672841 -6.26678447 -1.5531885 6.34468867
 4.91951185 -3.43541406 3.1826995 -3.81269392]
 Sample 6892: [0.73597179 0.40284502 0.21460687 5.91807551 4.02777204
 -0.3182583
 0.91933981 -1.1746366 0.31052747 -6.17626944 -1.56067542 6.35079703
 4.85331053 -3.52696309 3.19720222 -3.76697752]
 Sample 6893: [0.68863455 0.45642037 0.24428565 5.90663657 4.00485138
 -0.30370578
 0.84335414 -1.2616 0.31491191 -6.16681907 -1.572227 6.35351359
 4.81050727 -3.48844847 3.12538887 -3.69758496]
 Sample 6894: [0.76272619 0.40358598 0.23187024 5.95504807 3.94507609
 -0.23191483
 0.86665349 -1.27122424 0.35906881 -6.17903809 -1.5004318 6.37696478
 4.85230838 -3.4521708 3.15728043 -3.67038043]

Sample 6895: [0.70461429 0.45832082 0.23847801 5.89726185 3.91762487
 -0.08511621
 0.8524238 -1.22471624 0.26462873 -6.12800884 -1.53132894 6.41041043
 4.85168113 -3.4783623 3.12925271 -3.67658403]
 Sample 6896: [0.80057325 0.40950438 0.22544696 5.94980583 4.00359421
 -0.16083417
 0.8633357 -1.23729393 0.24083746 -6.10427963 -1.40412318 6.38154172
 4.8447074 -3.45381746 3.23990444 -3.72878797]
 Sample 6897: [0.86309831 0.4538369 0.22993537 5.91336125 4.01755639
 -0.13767463
 0.89873716 -1.17117378 0.31443576 -6.07850972 -1.34174136 6.38869007
 4.85448434 -3.45977588 3.34805952 -3.68037675]
 Sample 6898: [0.88047515 0.44175565 0.19893379 5.89215945 4.00946436
 -0.08184596
 0.97163441 -1.11135703 0.30043332 -6.09670594 -1.31318771 6.40848677
 4.83353817 -3.4104098 3.31705234 -3.68919131]
 Sample 6899: [0.92605491 0.47014675 0.2258365 5.88601302 4.06473268
 -0.00933027
 0.95514407 -1.12808217 0.24835713 -6.10699431 -1.47107444 6.40793176
 4.7691189 -3.53841609 3.34298578 -3.66791379]
 Sample 6900: [0.94512491 0.43775573 0.20333872 5.84450852 3.99857825
 0.04320571
 1.00141265 -1.16895698 0.2187325 -5.98574535 -1.40877288 6.43551305
 4.75220826 -3.52304544 3.37339567 -3.62018888]
 Sample 6901: [0.87771625 0.48759179 0.23854083 5.74378988 3.9811919
 0.12710088
 1.03239523 -1.17343237 0.24522485 -5.90744453 -1.31180138 6.45156146
 4.78709455 -3.55228278 3.37128931 -3.60041004]
 Sample 6902: [0.74325131 0.44481439 0.20231596 5.72836647 3.96452297
 0.09386715
 0.98055956 -1.18942866 0.20546729 -5.94554952 -1.34349308 6.39692415
 4.8684955 -3.55509013 3.4653178 -3.55785942]
 Sample 6903: [0.81112621 0.48189029 0.22416261 5.63674261 4.01090785
 0.08890412
 0.96682483 -1.17528601 0.12203705 -5.9345211 -1.36690862 6.34898205
 4.91138303 -3.56376522 3.43314349 -3.525644]
 Sample 6904: [0.78239239 0.46700885 0.19599753 5.5739991 4.14925841
 0.06856837
 1.01459267 -1.04948089 0.07492033 -5.97458706 -1.32212185 6.35840274
 4.78246838 -3.56749036 3.45111165 -3.5504642]
 Sample 6905: [7.86450876e-01 4.58307813e-01 2.11961820e-01 5.57066742e+00
 4.16542242e+00 2.12750030e-04 1.00214445e+00 -1.11733803e+00
 6.00739041e-02 -5.95611461e+00 -1.30445155e+00 6.25459106e+00
 4.82657316e+00 -3.65365482e+00 3.40034293e+00 -3.58647363e+00]
 Sample 6906: [7.86450876e-01 4.58307813e-01 2.11961820e-01 5.57066742e+00
 4.16542242e+00 2.12750030e-04 1.00214445e+00 -1.11733803e+00
 6.00739041e-02 -5.95611461e+00 -1.30445155e+00 6.25459106e+00
 4.82657316e+00 -3.65365482e+00 3.40034293e+00 -3.58647363e+00]

Sample 6907: [0.76615247 0.45245026 0.22144857 5.64487187 4.20399985
0.02302956
0.98214788 -1.16057809 0.05844829 -6.02272384 -1.32002153 6.20573901
4.81621968 -3.64974717 3.44784974 -3.54056933]

Sample 6908: [8.13280020e-01 4.54950713e-01 2.29761190e-01 5.61298983e+00
4.18803335e+00 4.82539830e-03 9.22593427e-01 -1.22397154e+00
9.59403585e-02 -5.99759071e+00 -1.28459185e+00 6.25505159e+00
4.87929699e+00 -3.71767947e+00 3.42294721e+00 -3.52985507e+00]

Sample 6909: [0.79194312 0.44733383 0.21708465 5.63687567 4.1640623
0.04631092
0.92352292 -1.25992859 0.03676006 -5.9593384 -1.31478117 6.23893613
4.90433044 -3.75359586 3.35299332 -3.44865721]

Sample 6910: [0.80758013 0.45965448 0.2666418 5.66217278 4.25300239
0.02604366
0.97869438 -1.3697361 0.0529051 -5.92419772 -1.36451118 6.18865053
4.83881766 -3.70103179 3.42260803 -3.40957584]

Sample 6911: [0.81760482 0.47388955 0.21803933 5.60321538 4.26297122
0.07114286
0.96785813 -1.31247603 0.02743469 -5.91400823 -1.35401239 6.20146031
4.82079607 -3.66733544 3.38385517 -3.38580824]

Sample 6912: [0.77175762 0.48439292 0.25747758 5.64892524 4.37177468
0.06287564
0.98964283 -1.31256702 0.07868875 -5.93038958 -1.39184842 6.27634725
4.854659 -3.6191045 3.29654862 -3.30106529]

Sample 6913: [0.75396747 0.49411874 0.20838163 5.69984376 4.33692069
0.08860327
1.09171335 -1.23949745 0.08542856 -5.95704669 -1.32761539 6.23206422
4.82084796 -3.67815351 3.30072323 -3.28653115]

Sample 6914: [0.78484903 0.50575865 0.24808274 5.63276789 4.34780049
0.09215846
1.09511637 -1.23658498 0.13439678 -5.9912882 -1.3153875 6.22385817
4.83150201 -3.64347464 3.30723659 -3.26725563]

Sample 6915: [0.74373747 0.51251591 0.20087664 5.66208146 4.39567304
-0.03023983
1.09289922 -1.25767629 0.19508679 -6.0607518 -1.35124794 6.16646968
4.81680171 -3.57856639 3.33144844 -3.20436667]

Sample 6916: [0.77947347 0.49215235 0.22953369 5.55018421 4.32976157
-0.00951823
1.08758288 -1.26991197 0.19113079 -6.14818707 -1.29833553 6.10957843
4.92174426 -3.60865376 3.40233231 -3.24824602]

Sample 6917: [0.78445415 0.51483137 0.20309115 5.50948463 4.28299209
-0.01415004
1.1141249 -1.22479576 0.16181273 -6.14967749 -1.22238089 6.08359588
4.93730254 -3.52493479 3.4364826 -3.25968071]

Sample 6918: [0.73895674 0.4701874 0.21229035 5.45146647 4.32315033
-0.04167364
1.01227683 -1.27834886 0.20151074 -6.14330654 -1.25575414 6.05596004
4.89768652 -3.569058 3.42979792 -3.23149321]

Sample 6919: [0.84855412 0.49960472 0.20323098 5.4772099 4.21686193
-0.04382257
1.01718979 -1.27788292 0.21620519 -6.13457015 -1.29565774 6.09355896
4.99287899 -3.59477426 3.44355843 -3.2349942]
Sample 6920: [0.92840113 0.46722186 0.21012007 5.52237855 4.28496686
-0.18443266
1.00692177 -1.25015147 0.3073799 -6.1485736 -1.30711274 6.1052953
4.97533787 -3.63392282 3.46999024 -3.24102384]
Sample 6921: [0.95675154 0.49192744 0.24000298 5.47609473 4.32841099
-0.23294754
0.98680622 -1.22247722 0.21963232 -6.10982187 -1.26141734 6.05681267
5.01005845 -3.56211334 3.37565933 -3.2032982]
Sample 6922: [0.96878054 0.46623147 0.167499 5.48496989 4.29388324
-0.24296033
0.97259496 -1.28452645 0.14412131 -6.01755691 -1.28596671 6.09019493
5.03674713 -3.44625889 3.40333058 -3.17624847]
Sample 6923: [0.96301191 0.51176033 0.2496195 5.51634042 4.29451905
-0.24101613
0.96375975 -1.29018534 0.21066877 -6.02036958 -1.28584263 5.99011396
4.98595347 -3.45689508 3.40327969 -3.10826755]
Sample 6924: [0.89215307 0.4411771 0.2174978 5.52357176 4.19627947
-0.26537938
0.93833794 -1.35182121 0.18799956 -6.00623472 -1.42794138 5.99265951
5.0639452 -3.39871915 3.34023799 -3.16428716]
Sample 6925: [0.79958646 0.48682989 0.20431495 5.52508528 4.24101467
-0.27124462
0.88770428 -1.36589669 0.17538499 -5.99480165 -1.40395573 6.01537441
5.15782121 -3.43828535 3.27301686 -3.19306928]
Sample 6926: [0.87363109 0.42257138 0.20123842 5.53094814 4.18167399
-0.26966157
0.86190706 -1.28225644 0.13800567 -6.03231666 -1.44267983 6.02053048
5.13620543 -3.45223848 3.29219749 -3.22190399]
Sample 6927: [0.91429672 0.47221785 0.19862351 5.51914145 4.18830918
-0.32510739
0.82107179 -1.30787919 0.16367311 -6.03442541 -1.38623606 6.0374177
5.2367608 -3.43709914 3.27161598 -3.26823361]
Sample 6928: [0.80761729 0.43888752 0.19668026 5.51557825 4.21644838
-0.27227605
0.93599852 -1.32360541 0.1307103 -6.02651746 -1.37296824 6.0184861
5.20865809 -3.51053357 3.23954745 -3.24287981]
Sample 6929: [0.84783365 0.4950481 0.21503396 5.58330576 4.22547343
-0.33394365
0.94721801 -1.36540663 0.18762865 -6.05108201 -1.31934544 6.06057236
5.18561499 -3.45953897 3.20583869 -3.21830328]
Sample 6930: [0.7829456 0.47165607 0.20273627 5.54705663 4.20611628
-0.36425638
1.05185689 -1.36972416 0.19253173 -6.02188481 -1.29654471 6.07881973
5.1973516 -3.44945647 3.23835295 -3.18469662]

Sample 6931: [0.79044057 0.51292478 0.20900971 5.46552082 4.19935802
 -0.35465404
 1.02805879 -1.32131168 0.21986337 -6.00983099 -1.28136368 6.11839571
 5.18261214 -3.44603839 3.21814264 -3.19131974]
 Sample 6932: [0.7733258 0.46771413 0.18655234 5.49998762 4.19200641
 -0.27591291
 1.02817435 -1.31721243 0.25314725 -6.0045607 -1.22474828 6.10924297
 5.22132105 -3.40117413 3.16702163 -3.19363191]
 Sample 6933: [0.71324499 0.50861885 0.21151995 5.44900349 4.19645867
 -0.23605527
 1.02718365 -1.34559598 0.20500748 -6.00509854 -1.31219686 6.09342797
 5.26588432 -3.44842892 3.14665821 -3.26262708]
 Sample 6934: [0.80385832 0.44265913 0.19433367 5.41400445 4.16741348
 -0.29916124
 0.94771229 -1.32282547 0.32402541 -5.96461848 -1.2975297 6.1358304
 5.22251714 -3.3113454 3.2199895 -3.27343606]
 Sample 6935: [0.79985742 0.49007397 0.22400275 5.37973607 4.25735177
 -0.21893933
 0.95019749 -1.35764814 0.29898863 -5.91040047 -1.29312458 6.14497718
 5.21654757 -3.29018563 3.33546305 -3.32316766]
 Sample 6936: [0.83893493 0.44133655 0.26458001 5.31386649 4.28146214
 -0.12330136
 0.95884984 -1.42433203 0.24386982 -5.96769735 -1.36282562 6.14137448
 5.20181141 -3.32839542 3.33127997 -3.3028127]
 Sample 6937: [0.90533602 0.50786884 0.20870378 5.32069408 4.28396085
 -0.09411168
 0.97149727 -1.3921697 0.27659898 -6.08467568 -1.38771607 6.16749852
 5.17895253 -3.36797607 3.34071428 -3.33652008]
 Sample 6938: [1.01616254 0.46760356 0.24866847 5.2713753 4.31853236
 -0.07020093
 1.07632999 -1.3996731 0.35089972 -6.07582297 -1.37122202 6.1896703
 5.17322159 -3.35431845 3.298962 -3.19302405]
 Sample 6939: [1.01031502 0.54584696 0.20987221 5.33854474 4.33475941
 -0.02707142
 1.08749216 -1.4177556 0.32440171 -6.12727681 -1.28146536 6.25759137
 5.1776455 -3.3200222 3.26782584 -3.25426105]
 Sample 6940: [1.00815327 0.47010902 0.25826752 5.26013349 4.22880057
 -0.05769609
 1.09905465 -1.37876358 0.33161302 -6.06339047 -1.20128385 6.29270479
 5.19802525 -3.50521767 3.30351607 -3.28338289]
 Sample 6941: [1.02366515 0.5205891 0.21069862 5.31486613 4.24368178
 -0.01939795
 1.06991135 -1.32159475 0.30805471 -6.07631477 -1.18895753 6.25761977
 5.23229638 -3.47706061 3.28978978 -3.39294158]
 Sample 6942: [1.05039977 0.47619046 0.20755362 5.38772264 4.24170169
 0.02931392
 1.09559346 -1.29553816 0.22791412 -5.96708014 -1.09709917 6.24089013
 5.24077369 -3.46403836 3.32413292 -3.40801404]

Sample 6943: [1.00876108 0.53290714 0.2042808 5.29924696 4.22251705
0.02203988
1.1430198 -1.2950057 0.18535419 -6.03978195 -1.08912946 6.31161612
5.25630065 -3.4592486 3.25677394 -3.37315146]
Sample 6944: [0.99429525 0.49088006 0.18956905 5.22637207 4.1190618
0.01081871
1.14930849 -1.26759768 0.1809806 -5.99632393 -1.11984937 6.28273813
5.30774728 -3.32877243 3.20470979 -3.35026614]
Sample 6945: [1.08294962 0.54478845 0.14821585 5.24871156 4.16707138
0.04025576
1.16211403 -1.12641918 0.15810731 -6.08817561 -1.1623371 6.27064948
5.31161937 -3.36201439 3.2519782 -3.25540672]
Sample 6946: [1.08138584 0.53496177 0.1336358 5.33166676 4.1646703
0.03806888
1.1792335 -1.02558152 0.1256333 -6.07754529 -1.18792636 6.30793644
5.31766802 -3.33304744 3.32315163 -3.20829478]
Sample 6947: [1.04934238 0.56435008 0.12694222 5.33209609 4.16478256
-0.028199
1.1726759 -1.01029757 0.07084582 -6.09359475 -1.1497326 6.27575727
5.33725354 -3.35657445 3.26982491 -3.2308737]
Sample 6948: [1.13815759 0.59410224 0.12576372 5.38831205 4.11861806
0.02313183
1.09461826 -0.97461918 0.07517442 -6.07247741 -1.05916453 6.25608666
5.28803497 -3.37892033 3.23719309 -3.16732148]
Sample 6949: [1.11287656 0.51332518 0.13503057 5.34955103 4.13984917
0.04925311
1.10261626 -0.98557082 0.21468044 -6.11240356 -0.94430672 6.25215518
5.27809326 -3.32384569 3.19154678 -3.10088231]
Sample 6950: [1.17276645 0.55716708 0.09764557 5.3523195 4.16283562
0.03482792
1.04401183 -0.96787284 0.16568351 -6.11758159 -0.96447699 6.26146596
5.25087008 -3.37249553 3.21278035 -3.06230214]
Sample 6951: [1.17084335 0.5437153 0.11433377 5.38569691 4.15958862
-0.0126513
1.06053371 -0.98241178 0.20355828 -6.11311361 -0.98829558 6.20464703
5.302335 -3.30804147 3.23197347 -3.08505704]
Sample 6952: [1.13341410e+00 5.38830328e-01 1.24552813e-01 5.40570834e+00
4.10318397e+00 -1.58674859e-03 1.12897397e+00 -1.01451206e+00
2.41069471e-01 -6.16680626e+00 -9.78669856e-01 6.19213588e+00
5.31271233e+00 -3.31368774e+00 3.23896678e+00 -3.16889013e+00]
Sample 6953: [1.20305754 0.53198512 0.12918646 5.46675128 4.16019937
-0.01574817
1.1035928 -1.01355236 0.23602208 -6.16549039 -0.96788245 6.19185187
5.33731304 -3.25078217 3.29668625 -3.26054361]
Sample 6954: [1.16043062e+00 5.38605739e-01 1.46201095e-01 5.41947786e+00
4.11567319e+00 -9.06042319e-04 1.12022904e+00 -9.94126983e-01
2.69643200e-01 -6.14129546e+00 -9.66083390e-01 6.22607159e+00
5.39204331e+00 -3.16281014e+00 3.34809243e+00 -3.32894831e+00]

Sample 6955: [1.13570612 0.52396806 0.10557301 5.41584992 4.09001916
 -0.05090284
 1.08172378 -0.93382944 0.28434292 -6.17541273 -0.89131178 6.12932536
 5.40875813 -3.13552985 3.31565983 -3.36479861]
 Sample 6956: [1.15037789 0.53314079 0.13924507 5.36032903 4.06677713
 -0.05969213
 1.11776695 -0.97062119 0.30663121 -6.26810922 -0.8705593 6.01376021
 5.41731407 -3.19487859 3.37618895 -3.35424714]
 Sample 6957: [1.1061745 0.52826899 0.14061305 5.3667886 4.04022771
 -0.03110014
 1.08106994 -0.96114334 0.2564136 -6.23186279 -0.87698387 6.09082919
 5.42363022 -3.20689608 3.36106308 -3.39626099]
 Sample 6958: [1.09117255 0.52763929 0.10756017 5.36902706 4.07391368
 -0.12544053
 1.0976333 -0.93720106 0.34656783 -6.30228289 -0.86948496 6.08037875
 5.45833518 -3.20574929 3.42263591 -3.37470261]
 Sample 6959: [1.16494635 0.5220092 0.10661856 5.33293552 4.04556166
 -0.1171048
 1.08441171 -0.98307292 0.41192125 -6.31071975 -0.74255177 6.07809467
 5.48962581 -3.25651545 3.37774774 -3.365502]
 Sample 6960: [1.16623859 0.51944395 0.12488561 5.30275893 4.07836762
 -0.06410187
 1.03825783 -0.99003283 0.45549329 -6.26082079 -0.75707341 6.04728991
 5.51698597 -3.24963263 3.41926333 -3.37809196]
 Sample 6961: [1.21211791 0.50287735 0.12368574 5.26814461 4.03099223
 0.07047786
 1.02610104 -0.98038931 0.45032496 -6.31680034 -0.74149343 6.07009981
 5.53966898 -3.24468721 3.41538073 -3.36296888]
 Sample 6962: [1.25665832 0.52009308 0.12764166 5.20644503 3.96917222
 0.02208626
 1.02503223 -0.98159797 0.40939923 -6.27108862 -0.66244153 6.05805118
 5.4389714 -3.22787716 3.44415659 -3.34752203]
 Sample 6963: [1.22675318 0.47452788 0.12921209 5.18257313 3.99335192
 -0.05320369
 0.9509656 -1.01026188 0.31982838 -6.33611176 -0.61250586 6.12652608
 5.49953206 -3.22699191 3.41660646 -3.46894359]
 Sample 6964: [1.27367014 0.4874387 0.11640411 5.23836897 3.98350341
 -0.09038862
 0.9255157 -0.97136193 0.33988088 -6.33965986 -0.63768904 6.18366265
 5.52359875 -3.23020822 3.42477762 -3.58819006]
 Sample 6965: [1.28261762 0.47341343 0.15770599 5.28408051 3.89247149
 -0.0666734
 1.03123942 -1.00309801 0.40320165 -6.28316498 -0.65138819 6.18405875
 5.62901841 -3.10890182 3.37670133 -3.6156825]
 Sample 6966: [1.47528058 0.51114222 0.1687462 5.27915166 3.84168391
 -0.19279891
 1.10187008 -1.10413212 0.41385622 -6.25033582 -0.6470085 6.18410371
 5.61931299 -3.14223361 3.36979914 -3.6383582]

Sample 6967: [1.49254048 0.48119917 0.15111694 5.21610931 3.88338948
-0.21575727
1.14011617 -1.11183069 0.39212036 -6.29318024 -0.70806393 6.20242796
5.68614565 -3.13723474 3.41524336 -3.64475257]
Sample 6968: [1.52372382 0.49096275 0.15293605 5.24743059 3.88507651
-0.27350131
1.09322826 -1.13991865 0.47715094 -6.29291928 -0.71414118 6.19547544
5.67811785 -3.18025296 3.53030637 -3.64199956]
Sample 6969: [1.54467197 0.47506074 0.15768098 5.23630652 3.88614926
-0.30109502
1.08290872 -1.14042582 0.50374975 -6.29488927 -0.76160296 6.22332179
5.65639167 -3.20124207 3.66406835 -3.58323845]
Sample 6970: [1.57758411 0.50933914 0.15693093 5.24891845 3.85138037
-0.28721202
1.09977821 -1.11729222 0.52453045 -6.32269269 -0.75241211 6.32379133
5.61698443 -3.19456889 3.62215928 -3.66023514]
Sample 6971: [1.62630633 0.47496788 0.17460692 5.22514823 3.76783919
-0.15940208
1.13111278 -1.13821262 0.52916515 -6.3432565 -0.66714772 6.34572901
5.59053848 -3.27596144 3.54247747 -3.65880771]
Sample 6972: [1.61137903 0.52366402 0.15701024 5.24073728 3.87587886
-0.09877296
1.22862857 -1.15887681 0.57784105 -6.41609121 -0.65528049 6.38109529
5.61856231 -3.32371422 3.51372293 -3.69040761]
Sample 6973: [1.62935631 0.48652888 0.20578537 5.1724177 3.81966316
-0.12929517
1.22873723 -1.17280732 0.54553239 -6.43410399 -0.68783065 6.38890569
5.60574436 -3.32705011 3.53389931 -3.71411885]
Sample 6974: [1.63348143 0.51441162 0.16705274 5.1892186 3.85021226
-0.06148119
1.15874511 -1.203383 0.5840967 -6.43419524 -0.63027887 6.41349008
5.59813561 -3.37111134 3.56489791 -3.77549945]
Sample 6975: [1.581492 0.49659416 0.19906443 5.24409002 3.8730229
-0.02638732
1.25700955 -1.15831376 0.52498319 -6.49513914 -0.73564148 6.40083764
5.6512104 -3.39977353 3.53039187 -3.70086088]
Sample 6976: [1.61178813 0.55374921 0.16149674 5.19631897 3.85439158
-0.12822241
1.32447879 -1.21195074 0.4364618 -6.52739244 -0.72577163 6.43637629
5.64787796 -3.35166817 3.60013391 -3.71429517]
Sample 6977: [1.57075221 0.52978506 0.22310444 5.21719944 3.8611256
-0.09130775
1.33602748 -1.19891174 0.48874989 -6.41500308 -0.80737842 6.50480152
5.65429083 -3.28971945 3.6027844 -3.73536444]
Sample 6978: [1.58960669 0.5168038 0.2140058 5.14522443 3.78763324
-0.1388566
1.34068901 -1.24622857 0.66739916 -6.47862142 -0.83122063 6.50078622
5.72275031 -3.2589744 3.56692477 -3.83930251]

Sample 6979: [1.61192585 0.54333203 0.19590287 5.15875266 3.78321158
 -0.12366537
 1.46261426 -1.2819509 0.64580718 -6.48951343 -0.80033687 6.55612814
 5.65834953 -3.2751194 3.56741253 -3.90855781]
 Sample 6980: [1.56991842 0.56334759 0.21426237 5.18414077 3.80974451
 -0.16898453
 1.46342892 -1.21355454 0.59449422 -6.49175593 -0.89390566 6.5420297
 5.74030595 -3.30396179 3.51106421 -3.87023177]
 Sample 6981: [1.54593426 0.55934716 0.15327573 5.14712033 3.80683864
 -0.19086733
 1.52992556 -1.14440995 0.58076318 -6.44967823 -0.84126425 6.46792688
 5.75555406 -3.24086068 3.46938927 -3.86013101]
 Sample 6982: [1.54901313 0.6021897 0.19822208 5.09936936 3.81047777
 -0.11602764
 1.58594553 -1.12131969 0.60157378 -6.44667636 -0.83820049 6.46832892
 5.72632285 -3.1745394 3.42360498 -3.87075156]
 Sample 6983: [1.61354144 0.57133922 0.16344318 5.11065994 3.81960101
 -0.14687407
 1.54040011 -1.16352493 0.58756621 -6.42437952 -0.91950985 6.47781474
 5.71542533 -3.15625273 3.4064012 -3.81321106]
 Sample 6984: [1.67821529 0.60113619 0.19648143 5.05329379 3.8138309
 -0.16827241
 1.59240261 -1.16047556 0.58609073 -6.36186708 -0.94968011 6.42369968
 5.68696815 -3.22507989 3.38717548 -3.77136821]
 Sample 6985: [1.66958593 0.55817253 0.16542352 5.09761215 3.71396638
 -0.25919081
 1.55556803 -1.16189639 0.6461494 -6.29244525 -0.89466848 6.47361133
 5.67878672 -3.23549883 3.38222125 -3.86685559]
 Sample 6986: [1.69449304 0.59546957 0.18794982 5.08522724 3.73438086
 -0.2342844
 1.56830495 -1.12764831 0.66558565 -6.29245276 -0.86296544 6.50063636
 5.70935442 -3.26148664 3.40977163 -3.83189985]
 Sample 6987: [1.6417753 0.57665947 0.2000257 5.09134242 3.66761346
 -0.27352803
 1.61895213 -1.0606059 0.6771695 -6.31899714 -0.83328719 6.45519066
 5.75937795 -3.30819355 3.41702929 -3.77729142]
 Sample 6988: [1.65769029 0.60586158 0.27710615 5.09688459 3.60204098
 -0.28579271
 1.59730233 -1.13807084 0.73309725 -6.21831513 -0.75193791 6.42027096
 5.86307846 -3.2881894 3.47215378 -3.74455277]
 Sample 6989: [1.67094085 0.59820697 0.21291712 5.15382662 3.58974008
 -0.32462489
 1.66848189 -1.04939812 0.7415526 -6.24793055 -0.75608787 6.49481534
 5.91377193 -3.27569643 3.51796909 -3.67891709]
 Sample 6990: [1.75790688 0.64339807 0.12660415 5.14135021 3.60163563
 -0.26197042
 1.69742013 -1.14872954 0.6528435 -6.28147341 -0.79888096 6.44034019
 5.92053177 -3.23514439 3.52937882 -3.70294933]

Sample 6991: [1.82207205 0.6048557 0.18044421 5.09889836 3.71352186
 -0.33986629
 1.69492605 -1.13534915 0.64786338 -6.25988588 -0.76021418 6.40090353
 5.95881695 -3.23734788 3.52481686 -3.69239991]
 Sample 6992: [1.83659835 0.63626809 0.18332926 5.11436342 3.66574185
 -0.25949807
 1.65124842 -1.19086451 0.62078293 -6.27150086 -0.67162622 6.44567622
 5.8957851 -3.17515603 3.52048358 -3.70904137]
 Sample 6993: [1.83092937 0.58115833 0.17472517 5.06024076 3.6037739
 -0.26238483
 1.56860897 -1.20105954 0.63121668 -6.24441312 -0.68529392 6.44757082
 5.91956822 -3.25529408 3.42905973 -3.67390447]
 Sample 6994: [1.7997223 0.62109434 0.15888165 5.017364 3.64941773
 -0.19449927
 1.52449076 -1.23888613 0.67597 -6.34198574 -0.68499917 6.48433328
 5.85751117 -3.28467757 3.48655759 -3.63177684]
 Sample 6995: [1.8368078 0.55536928 0.16586878 4.99458153 3.66289132
 -0.21397468
 1.49362184 -1.11002859 0.6341217 -6.3630763 -0.77977121 6.5863461
 5.81890502 -3.2727752 3.42966518 -3.62806456]
 Sample 6996: [1.85045294 0.60978584 0.13081074 5.06039629 3.69085333
 -0.23095912
 1.42228703 -1.09702129 0.717892 -6.33920361 -0.81013511 6.65906532
 5.858935 -3.23927592 3.39894178 -3.6787768]
 Sample 6997: [1.87861064 0.53185151 0.14095035 5.04188428 3.79313465
 -0.19431993
 1.38669449 -1.09516591 0.73879138 -6.26638983 -0.73130751 6.64699082
 5.89399966 -3.24199247 3.39523843 -3.67862503]
 Sample 6998: [1.85696702 0.61034021 0.13287739 5.00731218 3.72271171
 -0.18408026
 1.40458004 -1.14407963 0.85975025 -6.26519238 -0.67349967 6.62751761
 5.99149684 -3.29394983 3.4698458 -3.6451366]
 Sample 6999: [1.87209176 0.54435038 0.15618638 5.0273344 3.71713096
 -0.16258489
 1.44683203 -1.11101558 0.86013419 -6.26205693 -0.69522405 6.57387222
 6.03514914 -3.27752663 3.46224042 -3.69800956]
 Sample 7000: [1.97067364 0.58976112 0.13236136 4.97406012 3.70734412
 -0.21497238
 1.31115295 -1.07221943 0.91754836 -6.33146212 -0.6718229 6.53518566
 6.02988276 -3.22519453 3.39903263 -3.67740579]
 Sample 7001: [1.88779227 0.52659066 0.13973302 5.01981999 3.70018479
 -0.27356588
 1.28449626 -1.01603738 0.96443736 -6.29924057 -0.65256355 6.58361959
 6.02978794 -3.2149497 3.39585667 -3.71070984]
 Sample 7002: [1.92046921 0.57868037 0.10661191 5.06018514 3.71885307
 -0.23731508
 1.21207693 -0.95171714 0.95384557 -6.24350131 -0.65811292 6.5473683
 6.03880859 -3.14563546 3.34748824 -3.76242278]

Sample 7003: [1.91632064 0.53441407 0.12196977 5.02458887 3.77600124
-0.26029426
1.23847295 -0.89209032 0.8243276 -6.2067896 -0.64694793 6.43379548
6.01721105 -3.16299055 3.29298787 -3.80318232]
Sample 7004: [1.89258264 0.61482397 0.110716 4.97621295 3.85546289
-0.28336827
1.24922693 -0.89218358 0.84513644 -6.27287292 -0.68776025 6.4379746
5.96754568 -3.1075817 3.24425929 -3.7371077]
Sample 7005: [1.87564583 0.55803104 0.12073747 5.04614834 3.78056725
-0.28161915
1.26610933 -0.88144529 0.85916098 -6.31160406 -0.68940834 6.40743274
6.0815903 -3.04546693 3.18424965 -3.68152843]
Sample 7006: [1.86278115 0.63160151 0.09895821 5.05768013 3.69997192
-0.26316682
1.25931544 -0.84354701 0.83757553 -6.37069334 -0.59524125 6.35436156
6.06131123 -2.99147208 3.24900343 -3.69494533]
Sample 7007: [1.80224729 0.67894132 0.0910523 5.1033841 3.72126239
-0.21200484
1.1749346 -0.81636459 0.782181 -6.38364262 -0.57126772 6.33357464
6.0646779 -2.94979475 3.25092046 -3.80956841]
Sample 7008: [1.84407289 0.6374766 0.09055487 5.05400244 3.72812551
-0.23107472
1.19513038 -0.78134529 0.87266433 -6.3715069 -0.63797366 6.32085999
6.01402458 -2.95116894 3.25597185 -3.80309545]
Sample 7009: [1.72564787 0.59968981 0.09550074 5.06900161 3.83173244
-0.25015038
1.18356578 -0.79887379 0.88550209 -6.45428409 -0.68144387 6.2597641
5.97960072 -2.95510871 3.2003641 -3.79959594]
Sample 7010: [1.74326909 0.54899529 0.12409638 5.01312421 3.85525248
-0.26361954
1.20535939 -0.81939573 0.80547849 -6.51155933 -0.68927384 6.26121331
5.92380824 -3.03070748 3.24952622 -3.77869085]
Sample 7011: [1.67196676 0.6285898 0.10981756 5.0221236 3.85381636
-0.33861855
1.23761416 -0.8380165 0.83629982 -6.52668191 -0.67621274 6.25943173
5.94235733 -3.0283659 3.32982491 -3.80018017]
Sample 7012: [1.67763066 0.57289065 0.11975702 5.02369161 3.84222221
-0.3549377
1.26648423 -0.79095451 0.87060692 -6.50724887 -0.65270587 6.2587101
5.94521424 -3.07806259 3.31311369 -3.79840867]
Sample 7013: [1.60639814 0.5742623 0.11175751 5.06363552 3.82123157
-0.24995604
1.16380833 -0.88653137 0.91741389 -6.53105494 -0.59149479 6.21462049
5.92402658 -3.03838406 3.33837864 -3.85212992]
Sample 7014: [1.61625007 0.52742481 0.11722892 5.07766236 3.76883993
-0.25323273
1.14094109 -0.87338461 0.93419074 -6.44253261 -0.68260133 6.21464495
6.02423123 -2.96626662 3.37378063 -3.78602355]

Sample 7015: [1.65452519 0.55179155 0.11501508 5.11711378 3.75173672
-0.33604266
1.14189293 -0.93069066 0.98525405 -6.4724627 -0.63331354 6.25258162
5.98608539 -2.8759883 3.38547323 -3.77158133]
Sample 7016: [1.66782873 0.53633444 0.11669012 5.20090601 3.77992647
-0.36679221
1.14085263 -0.95292404 0.97884909 -6.49673076 -0.64411475 6.2746363
6.02332773 -2.84725894 3.31837427 -3.77886677]
Sample 7017: [1.74141262 0.50967439 0.11530559 5.18792845 3.77286868
-0.29543639
1.09533727 -0.97692256 1.08037078 -6.56576775 -0.70161053 6.27648794
6.05138095 -2.86703139 3.36762116 -3.70620721]
Sample 7018: [1.76598943 0.51896802 0.11820436 5.13119003 3.83049952
-0.23611803
1.11841747 -1.05261317 1.15115727 -6.55728833 -0.68755052 6.30496884
6.00958715 -2.83646436 3.31251438 -3.63830111]
Sample 7019: [1.85449128 0.50514807 0.12168211 5.16234077 3.84370445
-0.22818618
1.10438861 -1.01763194 1.09918834 -6.60132734 -0.69571243 6.33277052
6.01784287 -2.85957266 3.26723481 -3.60737701]
Sample 7020: [1.76022328 0.52398508 0.11835495 5.11971725 3.79100708
-0.23578811
1.06429736 -1.02478759 1.09455862 -6.59373711 -0.66389827 6.38772793
6.04327742 -2.85179748 3.32500828 -3.63162231]
Sample 7021: [1.77868854 0.50670803 0.12495412 5.13856286 3.83218491
-0.17019756
1.07592854 -0.98355717 1.04895922 -6.60847702 -0.58571842 6.36496691
6.02085435 -2.8467564 3.26364621 -3.59105531]
Sample 7022: [1.79227308 0.52334525 0.13467833 5.1537682 3.80077172
-0.1514068
1.07763207 -1.04505885 1.03065536 -6.62934858 -0.54849822 6.36680124
5.95166941 -2.88513507 3.20544685 -3.58349412]
Sample 7023: [1.81637503 0.50110287 0.12891955 5.07096762 3.72201426
-0.19848245
1.15827929 -1.10750331 1.00337611 -6.64009663 -0.60638447 6.4331353
5.90463617 -2.88049501 3.24755672 -3.60365444]
Sample 7024: [1.82631837 0.51345799 0.13516414 5.0795824 3.73282945
-0.1325673
1.09491358 -1.15704814 0.98446033 -6.69180938 -0.5667811 6.46717742
5.92155886 -2.86200148 3.24605376 -3.55807737]
Sample 7025: [1.82909963 0.47877439 0.147197 5.09385833 3.71539712
-0.01982985
1.08442996 -1.1677138 0.90023505 -6.6705804 -0.56803431 6.46451496
5.91096183 -2.84313291 3.33069061 -3.54153327]
Sample 7026: [1.83578456 0.51045518 0.15967141 4.9629464 3.73824779
-0.0575467
1.10102562 -1.27482089 0.90282456 -6.63637232 -0.46329645 6.44099657
5.92348691 -2.75046109 3.27609859 -3.54153817]

Sample 7027: [1.79557403 0.48655502 0.16922297 4.97329733 3.67845364
 -0.10349975
 1.14949484 -1.25875102 0.93004011 -6.63966777 -0.48250445 6.37992236
 5.85028207 -2.72853812 3.148845 -3.56851292]
 Sample 7028: [1.77380645 0.52179345 0.15951278 4.98353159 3.61473838
 -0.11785274
 1.20886902 -1.2305522 1.00257348 -6.65685929 -0.45438615 6.27081462
 5.80958866 -2.67150978 3.10325716 -3.57726149]
 Sample 7029: [1.73056602 0.50685329 0.19155609 4.95478575 3.63366965
 -0.06353455
 1.27948856 -1.25535854 0.92829508 -6.7669159 -0.6264196 6.2955275
 5.6973813 -2.783321 3.06879385 -3.69961901]
 Sample 7030: [1.72721506 0.56228363 0.21406309 4.97424181 3.61226711
 -0.10811233
 1.34309028 -1.3316277 0.95276314 -6.79697468 -0.69954861 6.14493308
 5.69067652 -2.83569179 3.08745354 -3.62011533]
 Sample 7031: [1.71967411 0.52088041 0.18787686 4.87059478 3.66924976
 -0.1095859
 1.31747459 -1.32563396 1.01464831 -6.84102868 -0.66456277 6.18363047
 5.74573902 -2.86532792 3.05743175 -3.66352504]
 Sample 7032: [1.73844241 0.53063202 0.22709028 4.8374619 3.6189923
 -0.07677116
 1.35021329 -1.3729779 1.11766343 -6.82352666 -0.63331475 6.15574404
 5.69428035 -2.94006453 3.13295958 -3.65386785]
 Sample 7033: [1.68894233 0.53635046 0.20033662 4.80325852 3.53718555
 -0.07191543
 1.39592116 -1.39403704 1.18742644 -6.72606864 -0.67114746 6.16581951
 5.74284618 -2.9479134 3.1854292 -3.65111015]
 Sample 7034: [1.64747312e+00 5.37294142e-01 2.23718568e-01 4.86986624e+00
 3.66971598e+00 -2.66396076e-03 1.35793499e+00 -1.38888714e+00
 1.18115008e+00 -6.75063128e+00 -6.78805332e-01 6.18151358e+00
 5.71388923e+00 -2.93728516e+00 3.29289249e+00 -3.61425577e+00]
 Sample 7035: [1.73481006 0.51480435 0.21314255 4.84421388 3.75480297
 -0.01960346
 1.2789667 -1.38049734 1.08596053 -6.7283385 -0.67323788 6.0763039
 5.59231555 -2.98667392 3.31967571 -3.6776022]
 Sample 7036: [1.75937801 0.50806195 0.23427519 4.8536308 3.71048626
 0.03025033
 1.2473695 -1.34613796 1.17952766 -6.73596157 -0.70311684 6.08610663
 5.54050499 -2.96473008 3.31388771 -3.73048822]
 Sample 7037: [1.82055245 0.48079451 0.21396991 4.75655096 3.70386294
 0.01559353
 1.17796273 -1.28947849 1.10176035 -6.77943803 -0.71220141 6.02725379
 5.53352089 -2.95583695 3.22690286 -3.72272123]
 Sample 7038: [1.84995775 0.47267674 0.2436294 4.80355924 3.66234637
 -0.01512519
 1.12984187 -1.34340461 1.21074624 -6.83015504 -0.68920113 6.08807548
 5.56195644 -2.95720729 3.31966641 -3.70475284]

Sample 7039: [1.85539285 0.48655999 0.22078901 4.75650187 3.55207393
-0.06353764
1.14393139 -1.3826095 1.24047047 -6.77960272 -0.57582512 6.0986291
5.55776875 -2.92144756 3.39984766 -3.74172722]
Sample 7040: [1.75968646 0.49269342 0.22465718 4.68324234 3.47382388
-0.02747586
1.16577567 -1.29844017 1.37345334 -6.6903305 -0.61216477 6.14094931
5.56430292 -2.92177126 3.39012058 -3.74142654]
Sample 7041: [1.68051754 0.4853347 0.24420566 4.66879566 3.49583811
0.06918694
1.20570609 -1.34638918 1.29922186 -6.65169329 -0.6415408 6.03738595
5.56895195 -2.8556371 3.41809227 -3.72493606]
Sample 7042: [1.68727881 0.50123902 0.24816205 4.70580061 3.50977743
0.14626211
1.25071242 -1.37766403 1.37024306 -6.68122215 -0.62938079 6.15146922
5.702278 -2.780738 3.37807501 -3.76940965]
Sample 7043: [1.64413274 0.51892977 0.20391167 4.74308706 3.50148173
0.20019438
1.27684113 -1.37785741 1.34769568 -6.63754713 -0.68386803 6.16388319
5.81584734 -2.77288606 3.39651601 -3.72961714]
Sample 7044: [1.62461031 0.51268669 0.20898221 4.76633114 3.38242573
0.24087008
1.32622318 -1.37533533 1.33628606 -6.65177341 -0.75093091 6.13491963
5.85091613 -2.81638553 3.40701943 -3.69826209]
Sample 7045: [1.61098839 0.52339066 0.22255959 4.83319719 3.37739451
0.22476569
1.27245 -1.42904446 1.34686078 -6.66648209 -0.77432237 6.12015232
5.84241622 -2.87769602 3.42757112 -3.79018235]
Sample 7046: [1.59784747 0.49877108 0.20516736 4.80825171 3.4041304
0.24848463
1.35927178 -1.34205558 1.35641311 -6.63830463 -0.73932139 6.04378001
5.85389158 -2.89231491 3.47108105 -3.77789044]
Sample 7047: [1.58783759 0.53885731 0.19832097 4.8399618 3.36128406
0.22134995
1.2919252 -1.2514143 1.35999432 -6.61334891 -0.77950477 6.06312291
5.8503043 -2.92399087 3.44356739 -3.84587309]
Sample 7048: [1.60804118 0.48773677 0.18069984 4.88548971 3.32981736
0.2132018
1.31648484 -1.23956155 1.37131904 -6.56889241 -0.77272256 5.96677113
5.86529064 -2.83158123 3.4164599 -3.9184364]
Sample 7049: [1.60855739 0.50556249 0.2237736 4.87102897 3.34831478
0.33462138
1.29917908 -1.28369052 1.34100262 -6.48945697 -0.81446361 6.00309503
5.9150047 -2.80266018 3.43668755 -3.98109466]
Sample 7050: [1.74446468 0.4756606 0.20291453 4.91896574 3.39423648
0.34652946
1.27772007 -1.31750751 1.27878184 -6.47712248 -0.74296892 6.03785178
5.94603999 -2.80788931 3.50795424 -4.08271183]

Sample 7051: [1.68154707 0.50414624 0.31986919 4.93177232 3.4173739
0.4176263
1.25587334 -1.40963755 1.29975007 -6.40387164 -0.66861317 6.00789715
5.91991689 -2.84257925 3.58168596 -3.9885907]
Sample 7052: [1.71768572 0.48302451 0.20232183 4.88089961 3.48287638
0.47489792
1.25379387 -1.40863597 1.31115173 -6.37679763 -0.53804055 5.99300626
5.91471349 -2.89409341 3.50508899 -4.05374365]
Sample 7053: [1.79036843 0.46930209 0.30886035 4.8155084 3.56757408
0.4630534
1.13562622 -1.44894885 1.36202854 -6.32185265 -0.53816769 5.99791814
5.8581414 -2.90000264 3.49166904 -4.04037418]
Sample 7054: [1.69307917 0.46312107 0.23040709 4.87561861 3.54546206
0.51812619
1.19720687 -1.43533041 1.38313881 -6.32641419 -0.54393877 5.9573589
5.85290238 -2.87715161 3.43044001 -4.0122544]
Sample 7055: [1.65347492 0.47037678 0.30715693 4.862242 3.55633988
0.61451515
1.15775529 -1.38048529 1.34059553 -6.36338104 -0.57440769 5.90741899
5.92176796 -2.8213794 3.42988485 -3.9508048]
Sample 7056: [1.62424972 0.46373274 0.24547501 4.91475069 3.56593326
0.61784892
1.1544791 -1.46902844 1.35479423 -6.43819333 -0.58389523 5.98492687
5.84104004 -2.75491449 3.37045286 -3.97964688]
Sample 7057: [1.5759011 0.46098657 0.25116563 4.86165313 3.51934104
0.57744966
1.15941751 -1.45065724 1.39030901 -6.39512152 -0.45143766 5.96866901
5.8435303 -2.74665942 3.3121248 -3.96989246]
Sample 7058: [1.62092485 0.4716609 0.26139105 4.89151364 3.40052113
0.46771737
1.13158037 -1.44076166 1.35180824 -6.42512 -0.50322798 5.88143698
5.89642373 -2.78904828 3.3409536 -4.01693348]
Sample 7059: [1.69586882 0.45467378 0.24272577 4.94181758 3.4207277
0.49855376
1.09559901 -1.47356415 1.34834884 -6.42756905 -0.40509161 5.91769947
5.90480228 -2.77524925 3.27845874 -4.05996514]
Sample 7060: [1.67789465 0.43966059 0.25507514 4.90685945 3.45533039
0.55063167
1.07938052 -1.40416582 1.31475913 -6.34219752 -0.44494242 5.8804982
5.81294736 -2.79029402 3.23662019 -4.04336652]
Sample 7061: [1.72055972 0.44722706 0.24792057 4.84292759 3.46686262
0.50099413
1.13189287 -1.33225912 1.3506395 -6.35092724 -0.48417604 5.85578216
5.73855283 -2.79038873 3.24814295 -4.06641749]
Sample 7062: [1.715551 0.44849266 0.23455823 4.78436675 3.51129833
0.56609061
1.08809802 -1.37858262 1.35165033 -6.34237121 -0.46847462 5.9191935
5.78496856 -2.80813287 3.31216715 -3.96101454]

Sample 7063: [1.70359707 0.46371039 0.24630782 4.81693775 3.47918489
0.55903776
1.12282444 -1.37960829 1.31117758 -6.31122082 -0.43136021 5.90972469
5.71950793 -2.77116862 3.22411782 -3.99136883]
Sample 7064: [1.72709775 0.45410433 0.28972184 4.84644902 3.40306052
0.62287538
1.14898203 -1.5148899 1.36687171 -6.27681361 -0.55303987 5.95632809
5.75398679 -2.78931383 3.17888891 -3.98565768]
Sample 7065: [1.67259042 0.45274665 0.25529378 4.9087012 3.37951063
0.60999798
1.15460734 -1.54034982 1.30639975 -6.24513644 -0.56420096 5.9839807
5.86907097 -2.80946048 3.14539086 -3.96477904]
Sample 7066: [1.64227998 0.49453844 0.28643618 5.01397098 3.37145862
0.58950531
1.18719829 -1.52302948 1.27684999 -6.25448962 -0.54879308 5.97410139
5.78378 -2.74421421 3.08722272 -3.94054398]
Sample 7067: [1.59805452 0.49592234 0.31199152 4.99039892 3.31138984
0.52213036
1.25703875 -1.57835697 1.34743982 -6.23339779 -0.48786089 6.04175709
5.75468055 -2.70842435 3.08411899 -3.91156284]
Sample 7068: [1.65038771 0.49963126 0.26569289 5.01992276 3.38211768
0.59047947
1.32494998 -1.52713671 1.25480171 -6.23090355 -0.56446773 6.05282454
5.81061235 -2.69721013 3.06863328 -4.02805951]
Sample 7069: [1.64311087 0.51274427 0.27506401 4.94301489 3.30111826
0.6195304
1.32951205 -1.5255256 1.33754513 -6.30850335 -0.61945958 6.05264324
5.85930887 -2.62909231 3.00719017 -4.00553214]
Sample 7070: [1.60595049 0.47057694 0.26341875 4.90433097 3.38780011
0.61783755
1.20736276 -1.4565854 1.3667967 -6.32425762 -0.58235133 6.09463173
5.78456443 -2.55763111 3.02891803 -3.95492534]
Sample 7071: [1.65076783 0.49597647 0.25098306 4.83858543 3.38091868
0.65870352
1.1979561 -1.52559738 1.32552778 -6.27651084 -0.61920535 6.09169091
5.80625066 -2.54977238 3.04177943 -3.92547249]
Sample 7072: [1.63621279 0.45602688 0.27244947 4.79362684 3.42683925
0.58112632
1.14779814 -1.50437704 1.31943924 -6.29685325 -0.5644135 6.07659244
5.81618598 -2.59501049 3.00624541 -3.95060242]
Sample 7073: [1.64861068 0.49933449 0.24587024 4.77090013 3.39505364
0.48089996
1.17902584 -1.48345191 1.31228993 -6.32786033 -0.56220599 6.14087328
5.70950362 -2.57863033 2.95450296 -3.91142569]
Sample 7074: [1.69408695 0.51624909 0.25653657 4.78537698 3.31665132
0.57164493
1.18337818 -1.42370972 1.28559086 -6.37087103 -0.5750619 6.16538846
5.70548244 -2.60342199 2.95700367 -3.86018424]

Sample 7075: [1.71184603 0.49235872 0.2735663 4.72176312 3.28988087
0.54929064
1.22866011 -1.42177007 1.19274167 -6.36776993 -0.56783752 6.12965191
5.70839086 -2.67461353 2.94542613 -3.83740445]
Sample 7076: [1.66149968 0.50303568 0.24809622 4.76482607 3.39891766
0.49154671
1.24794058 -1.4945325 1.24344469 -6.41046468 -0.59478565 6.22969517
5.70119071 -2.71989201 2.9343898 -3.80506307]
Sample 7077: [1.67547936 0.53974178 0.25802888 4.83400291 3.37769617
0.46735248
1.27417416 -1.46916818 1.35703233 -6.35073661 -0.66934541 6.33011069
5.66869404 -2.75249774 2.91095679 -3.77309708]
Sample 7078: [1.73439846 0.47973336 0.21349562 4.79508522 3.34775324
0.52115263
1.24449256 -1.38824766 1.28561172 -6.37980219 -0.63092456 6.25848366
5.62745197 -2.71634351 2.90381714 -3.69534178]
Sample 7079: [1.76915417 0.52554509 0.23914078 4.77475433 3.32931586
0.44229642
1.18709915 -1.42456805 1.29721193 -6.32183003 -0.62095418 6.20500498
5.54986056 -2.62155807 2.83442648 -3.58605797]
Sample 7080: [1.7779986 0.49148278 0.21201311 4.83680157 3.36064865
0.3961637
1.21024581 -1.3737603 1.32209379 -6.29296641 -0.64151804 6.15064283
5.51337972 -2.60967989 2.77898872 -3.61270864]
Sample 7081: [1.82738185 0.51524313 0.23711152 4.90377962 3.33002796
0.35918034
1.15638185 -1.40848784 1.24529339 -6.29955719 -0.56513144 6.18103591
5.5596265 -2.71033949 2.71044138 -3.61469346]
Sample 7082: [1.93524519 0.47600232 0.20667482 4.93289025 3.39002284
0.41056732
1.12571275 -1.35876379 1.2350475 -6.35395441 -0.69076629 6.18248693
5.58716718 -2.78844981 2.70002444 -3.56226512]
Sample 7083: [1.97255085 0.47456518 0.23338585 5.00971799 3.40414213
0.38475048
1.06520354 -1.35305947 1.29928142 -6.37036009 -0.6942248 6.14010766
5.47595918 -2.79516119 2.72472176 -3.64612904]
Sample 7084: [1.98052005 0.47712201 0.2047665 4.98887615 3.39061759
0.48630767
1.09047063 -1.33548695 1.28004282 -6.36386604 -0.73676515 6.00908869
5.50406383 -2.83954182 2.69614462 -3.6111482]
Sample 7085: [2.03339349 0.47181529 0.22280097 4.99747231 3.32820989
0.48656688
1.13790934 -1.31267861 1.20360456 -6.32808179 -0.65443068 6.0438121
5.49267357 -2.8761077 2.72161645 -3.65789113]
Sample 7086: [2.01870627 0.45799194 0.23968064 4.97418749 3.28317474
0.54554707
1.07079641 -1.39893509 1.2794324 -6.39963777 -0.60112565 6.07365062
5.43868849 -2.82998581 2.71495075 -3.75836432]

Sample 7087: [2.0027993 0.45328027 0.26374244 5.07061089 3.35276396
 0.54568123
 0.98903815 -1.4280431 1.3067391 -6.37895975 -0.57159691 6.00094949
 5.3765808 -2.87495276 2.69140787 -3.78974276]
 Sample 7088: [2.02158135 0.43507607 0.26127403 5.16640342 3.34568315
 0.48290426
 1.01625246 -1.40422618 1.3783338 -6.36067652 -0.49287068 5.92661991
 5.38029914 -2.87580094 2.66484293 -3.86353434]
 Sample 7089: [2.10794542 0.44788678 0.26540789 5.13215134 3.30466245
 0.44960431
 1.05812889 -1.39311156 1.33068623 -6.34952909 -0.36920082 5.969671
 5.41396893 -2.870858 2.64480262 -3.90991507]
 Sample 7090: [2.191094 0.40933426 0.24414365 5.20189488 3.35588969
 0.50832724
 0.9339098 -1.37879278 1.30728124 -6.42614526 -0.33709061 5.96372537
 5.47567706 -2.92350751 2.59530523 -3.97824877]
 Sample 7091: [2.23635895 0.4189471 0.23637256 5.28687647 3.32133578
 0.52872106
 0.93124341 -1.28422679 1.38738192 -6.44030949 -0.39003944 5.93220855
 5.45983438 -2.9491796 2.54501719 -3.89697137]
 Sample 7092: [2.19426825 0.42798545 0.21957199 5.31121142 3.37071806
 0.54105061
 0.98777322 -1.28444891 1.45980007 -6.41688702 -0.35713951 5.88946367
 5.53207727 -2.93258345 2.55004345 -3.93431487]
 Sample 7093: [2.28333354 0.44341715 0.25319927 5.21483705 3.43324326
 0.46852287
 1.0103336 -1.34289929 1.47375752 -6.43795948 -0.2529392 5.92464077
 5.59514846 -2.92782253 2.57433514 -3.99578933]
 Sample 7094: [2.2463006 0.46297694 0.2494528 5.20753063 3.41976035
 0.51932369
 1.10500318 -1.3768425 1.408312 -6.4819975 -0.33300581 5.90673573
 5.52474105 -2.85422568 2.56113629 -4.05829079]
 Sample 7095: [2.30375572 0.42415051 0.27469929 5.1908663 3.45787566
 0.48467731
 1.08873808 -1.40849103 1.39337463 -6.42832139 -0.37483987 5.97195018
 5.49763002 -2.87595116 2.56564622 -4.07331436]
 Sample 7096: [2.36705608 0.45583942 0.26810804 5.23559296 3.53297268
 0.43250782
 1.1553105 -1.48340426 1.38576978 -6.52806386 -0.32999386 5.89985229
 5.49554184 -2.87117119 2.56402291 -4.06023019]
 Sample 7097: [2.41293945 0.42551225 0.28831124 5.27905129 3.58778118
 0.40094468
 1.08494896 -1.4615178 1.47224037 -6.59073138 -0.28067713 5.93758579
 5.51081787 -2.868976 2.51132803 -4.18489612]
 Sample 7098: [2.43368123 0.42464668 0.28027341 5.21388992 3.60663229
 0.42061721
 1.04543844 -1.51737717 1.5205523 -6.63659803 -0.3115086 5.88670549
 5.43755844 -2.81015171 2.48630201 -4.23457596]

Sample 7099: [2.41907591 0.42252123 0.32128878 5.24486969 3.61865689
0.3957524
1.06526636 -1.59073584 1.46003132 -6.55426096 -0.26736483 5.99358521
5.44057882 -2.84058976 2.34998008 -4.26948969]
Sample 7100: [2.39722002 0.44090053 0.29784126 5.24481553 3.58988395
0.38858664
1.18154309 -1.57013267 1.4749601 -6.53860558 -0.29141251 5.90674681
5.4350868 -2.89474945 2.35151818 -4.2952602]
Sample 7101: [2.43978419 0.45653864 0.29405052 5.16540937 3.57739467
0.41498682
1.17122787 -1.54499029 1.55751931 -6.57875412 -0.34912565 5.90510062
5.60247596 -2.909313 2.36863676 -4.34943525]
Sample 7102: [2.44359335 0.45220767 0.29313944 5.15424736 3.57151203
0.44704655
1.17938644 -1.53851136 1.56244203 -6.62836252 -0.347761 5.91994648
5.56259469 -2.86267586 2.30757083 -4.39894306]
Sample 7103: [2.50417369 0.42210032 0.27585183 5.21920242 3.55887915
0.38356072
1.14824092 -1.50583524 1.55295077 -6.64764292 -0.37559001 5.95786986
5.47313836 -2.85583323 2.28632245 -4.46236489]
Sample 7104: [2.59728922 0.44595458 0.29813541 5.27968386 3.56328576
0.38143383
1.21643137 -1.42374315 1.49423546 -6.57120441 -0.33441242 6.00608723
5.47312112 -2.85193448 2.33343313 -4.41759434]
Sample 7105: [2.60865675 0.44965921 0.2489852 5.33216295 3.53217737
0.44843183
1.21061997 -1.3712825 1.49732484 -6.50890213 -0.29897309 5.98327531
5.53462414 -2.88690299 2.26397563 -4.309581]
Sample 7106: [2.58307749 0.45984915 0.27193849 5.37634058 3.5037916
0.49639931
1.22879876 -1.33217171 1.47636643 -6.56301843 -0.31162701 5.93811907
5.62962983 -2.76888994 2.28287619 -4.3488912]
Sample 7107: [2.54616134 0.45325637 0.24743707 5.48849173 3.51502609
0.51490317
1.22742543 -1.42281341 1.37197883 -6.54608753 -0.24406263 5.92717367
5.61526879 -2.79303423 2.28090259 -4.23202618]
Sample 7108: [2.55610483 0.47774116 0.30851235 5.60265146 3.53268892
0.52916121
1.24740427 -1.52089346 1.36886533 -6.51418403 -0.33856053 5.86798136
5.64120981 -2.77891206 2.31790453 -4.21920983]
Sample 7109: [2.51438317 0.4630023 0.28254182 5.63451647 3.59664227
0.45183965
1.20805468 -1.61118013 1.32570584 -6.54952646 -0.3470362 5.78645449
5.67064203 -2.76773617 2.29486801 -4.11502823]
Sample 7110: [2.59065324 0.46400306 0.31209693 5.66205353 3.56100163
0.48451322
1.21729007 -1.54288968 1.34444207 -6.59053042 -0.36743542 5.69853933
5.67144497 -2.81535458 2.2696049 -4.19835666]

Sample 7111: [2.57264029 0.45816429 0.28373847 5.70349939 3.60377503
0.51104318
1.20552809 -1.59676812 1.35791007 -6.60365707 -0.35722031 5.69070194
5.68764048 -2.86059993 2.20333035 -4.24129258]
Sample 7112: [2.66151865 0.47433742 0.3017609 5.7216691 3.51901372
0.55319035
1.25816148 -1.49083738 1.37726098 -6.64236302 -0.32887099 5.76498299
5.72080486 -2.8233941 2.17205064 -4.24564145]
Sample 7113: [2.7441594 0.44725466 0.26873741 5.75017351 3.57016226
0.59046054
1.23059504 -1.52347664 1.3722736 -6.62446139 -0.41803086 5.72105395
5.64346796 -2.8107296 2.15869021 -4.20750623]
Sample 7114: [2.71984042 0.47548948 0.29187452 5.77533179 3.52910579
0.5805252
1.28405279 -1.44742046 1.25152534 -6.63017575 -0.38307378 5.77042325
5.69651463 -2.75338829 2.19822264 -4.24599412]
Sample 7115: [2.76157929 0.46715163 0.27528827 5.74308833 3.51635912
0.59666683
1.29645645 -1.55909987 1.316159 -6.69070634 -0.39699553 5.71449379
5.70363542 -2.7975154 2.27577608 -4.21918215]
Sample 7116: [2.91044808 0.504267 0.31094677 5.77071949 3.50269266
0.6203623
1.37301294 -1.55412027 1.34452617 -6.6185231 -0.41199978 5.81487542
5.74977103 -2.78376013 2.3172844 -4.18879579]
Sample 7117: [2.86626684 0.48077107 0.28421557 5.81477488 3.48750762
0.59469223
1.32713168 -1.60374142 1.36703132 -6.58858693 -0.41627633 5.85115593
5.7642951 -2.86808027 2.28847476 -4.07893049]
Sample 7118: [2.92067436 0.49125829 0.29740461 5.77694744 3.536181
0.56655375
1.31394592 -1.56715076 1.41135521 -6.66331861 -0.468344 5.76211649
5.80228587 -2.90746116 2.27247509 -4.05634272]
Sample 7119: [2.93762072 0.47726843 0.27139283 5.79130482 3.63524568
0.62588074
1.30389342 -1.55061027 1.3626952 -6.68734568 -0.50613686 5.7518016
5.78726144 -2.97477451 2.3126634 -4.0360404]
Sample 7120: [2.92570224 0.50062674 0.29149229 5.87034103 3.6304459
0.65021284
1.30955181 -1.56873657 1.30204781 -6.6566466 -0.433306 5.80142499
5.72647225 -2.92073596 2.26171571 -3.95912539]
Sample 7121: [2.94660297 0.47635558 0.27044204 5.90272237 3.78537527
0.66878965
1.28634752 -1.55272785 1.229645 -6.65792584 -0.50902177 5.74864545
5.74957258 -2.95634472 2.29783612 -4.00727025]
Sample 7122: [2.99744789 0.48680798 0.29922013 5.90528212 3.76716249
0.62750364
1.29370343 -1.57895481 1.2371319 -6.65133234 -0.63359496 5.71742451
5.71094596 -2.93437952 2.23526389 -3.97182931]

Sample 7123: [3.07538014 0.47503649 0.28810092 5.84312413 3.80042367
0.6490597
1.21509247 -1.55581056 1.28202283 -6.59401595 -0.62071168 5.67176718
5.70104089 -3.01645504 2.29661656 -3.91948217]
Sample 7124: [3.14569475 0.48645347 0.26406373 5.9145648 3.81518946
0.58174779
1.21213346 -1.56784363 1.27220771 -6.58335094 -0.67331117 5.70254316
5.75355218 -3.16662491 2.35327877 -3.90511831]
Sample 7125: [3.13109667 0.48074926 0.28835051 5.96308279 3.84046536
0.58618967
1.21470321 -1.54247609 1.25381587 -6.64039814 -0.71462724 5.70690259
5.67216523 -3.11146424 2.34506601 -3.80046976]
Sample 7126: [3.19039107 0.47264102 0.30267002 5.96549647 3.80596151
0.63013197
1.17431646 -1.54403593 1.18405734 -6.6863278 -0.7515494 5.72654605
5.59108344 -3.10414878 2.40459356 -3.7669469]
Sample 7127: [3.26066276 0.49391589 0.25171069 5.95019297 3.78241547
0.65572102
1.18861248 -1.57638874 1.2367723 -6.58956013 -0.66662269 5.78132976
5.56391053 -3.08274303 2.44960361 -3.75039682]
Sample 7128: [3.22484829 0.49767758 0.29703863 6.01615051 3.72369091
0.70137566
1.18818915 -1.5313974 1.20540296 -6.66343065 -0.69203558 5.89998087
5.52575364 -3.16968417 2.40247675 -3.67972738]
Sample 7129: [3.15078868 0.48013313 0.31188421 5.9977899 3.73253477
0.68228712
1.19507582 -1.60640926 1.1277875 -6.71138859 -0.70638709 5.88256341
5.52391929 -3.26401675 2.48317114 -3.64537636]
Sample 7130: [3.1405876 0.48695624 0.30247518 6.03566502 3.69691634
0.66778928
1.18561279 -1.64652974 1.20530487 -6.7366845 -0.74553586 5.82967389
5.51482872 -3.27420032 2.44796958 -3.67208988]
Sample 7131: [3.16058236 0.49112383 0.29399137 6.01924449 3.68134008
0.70537536
1.24453048 -1.64838354 1.20661009 -6.82801934 -0.72074615 5.7990084
5.48071412 -3.22914135 2.44599669 -3.68140503]
Sample 7132: [3.06766495 0.52200151 0.2934474 6.06030047 3.76700074
0.68226612
1.28368727 -1.56218855 1.2326896 -6.82659584 -0.75464419 5.81327304
5.49502635 -3.2861565 2.41549667 -3.68874352]
Sample 7133: [3.00520288 0.49771235 0.24964321 6.09887838 3.78719162
0.66193562
1.2940854 -1.53907688 1.33121485 -6.90243214 -0.68632024 5.77225184
5.52850338 -3.27104841 2.49819025 -3.69438344]
Sample 7134: [2.87208016 0.52573677 0.32786872 6.1088294 3.78544877
0.58416688
1.34191685 -1.55693161 1.34972713 -6.87819532 -0.65910128 5.79549196
5.53190474 -3.2648768 2.56061347 -3.69350908]

Sample 7135: [2.87894876 0.52360995 0.24223455 6.13881543 3.87570225
0.60264846
1.40779702 -1.49268947 1.36807743 -6.78937538 -0.69855062 5.77027103
5.54534413 -3.28048432 2.59858729 -3.74240501]
Sample 7136: [2.90323632 0.52701313 0.26034106 6.16761316 3.8531297
0.60129248
1.36244498 -1.43807068 1.34175252 -6.80127576 -0.75402463 5.82519886
5.60670098 -3.24520817 2.6990803 -3.72831798]
Sample 7137: [2.92195722 0.52220746 0.23957933 6.18378422 3.80711665
0.5669259
1.3681392 -1.41774684 1.32549871 -6.86374671 -0.78836117 5.78979901
5.54903357 -3.2916526 2.79229337 -3.79397514]
Sample 7138: [2.9145352 0.51942344 0.26097442 6.1954144 3.77895571
0.52835614
1.39736754 -1.40355713 1.37475339 -6.92928577 -0.77125677 5.89233386
5.52740013 -3.28592391 2.81701239 -3.81359626]
Sample 7139: [2.86903749 0.5604776 0.21875181 6.24898462 3.85021649
0.49198569
1.44743926 -1.42094006 1.41483055 -6.94799851 -0.72613954 5.83520179
5.595949 -3.26504443 2.82833071 -3.67875588]
Sample 7140: [2.84994021 0.52992685 0.24019151 6.32183415 3.74326802
0.49635326
1.46497919 -1.39320354 1.38308418 -6.94562099 -0.75743086 5.8450821
5.58054475 -3.24723317 2.89626276 -3.65625579]
Sample 7141: [2.84721597 0.587816 0.21420837 6.36186601 3.75238426
0.52391456
1.51280178 -1.32249861 1.40023268 -6.97251235 -0.77072125 5.82685189
5.54824047 -3.23407943 2.86096418 -3.60313621]
Sample 7142: [2.87900558 0.52243064 0.22631661 6.40055279 3.77455235
0.56253067
1.44023251 -1.42650306 1.40013583 -7.08341908 -0.8155457 5.79341498
5.54813123 -3.2312509 2.89324078 -3.60951369]
Sample 7143: [2.84873493 0.57688425 0.22530715 6.36953637 3.84904944
0.54697621
1.46910059 -1.36371503 1.38240984 -7.15602668 -0.7770064 5.82409909
5.52620218 -3.20377598 2.99077627 -3.6008809]
Sample 7144: [2.79977407 0.53703373 0.22492716 6.43485322 3.8359291
0.52776576
1.47989276 -1.35019037 1.386665 -7.1245677 -0.75656881 5.8247305
5.48346823 -3.29303871 3.01054594 -3.66315238]
Sample 7145: [2.67716724 0.57656083 0.18738171 6.40050248 3.80793535
0.50599496
1.47950119 -1.28421097 1.45977335 -7.05167369 -0.82167847 5.85635937
5.59529003 -3.25046382 2.92297745 -3.5665518]
Sample 7146: [2.69831207 0.57350176 0.18828455 6.36221004 3.85189154
0.55198771
1.53580133 -1.23023057 1.47581659 -7.10491519 -0.86505054 5.90126289
5.61870245 -3.23146101 2.96311042 -3.63694821]

Sample 7147: [2.69075243 0.57807024 0.14691394 6.30200372 3.84477922
0.58018833
1.53760206 -1.10769097 1.51171231 -7.14283661 -0.81486516 5.83114829
5.69253571 -3.27126809 2.9901733 -3.65007798]

Sample 7148: [2.70087572 0.56505142 0.15612743 6.22686387 3.8245584
0.56224048
1.47159372 -1.19414872 1.55810996 -7.08665399 -0.85619672 5.87653004
5.73752254 -3.29960302 2.94533444 -3.55407779]

Sample 7149: [2.72052191 0.54128651 0.17619141 6.21443288 3.78049544
0.50648585
1.39740437 -1.21080549 1.55571988 -7.11394457 -0.91499585 5.92067553
5.69307523 -3.27252723 2.91467564 -3.64620814]

Sample 7150: [2.84835313 0.55185641 0.16921947 6.21916786 3.78148748
0.56266346
1.46438035 -1.21827879 1.62799586 -7.16866384 -0.9025895 5.82360268
5.72649625 -3.25648315 2.83664156 -3.67110712]

Sample 7151: [2.794612 0.56438771 0.16517155 6.29074579 3.74404505
0.52530242
1.4099088 -1.15221369 1.57922648 -7.23064122 -0.83515756 5.74868893
5.74309407 -3.24152217 2.88236518 -3.54605903]

Sample 7152: [2.83401432 0.54420696 0.14961286 6.28730178 3.70544882
0.53833515
1.36983228 -1.1287571 1.64987334 -7.32815072 -0.92352556 5.76153784
5.69151365 -3.24231697 2.8394382 -3.53159367]

Sample 7153: [2.88626132 0.57317997 0.15823021 6.38447088 3.72333857
0.55393251
1.43924301 -1.10272932 1.7195824 -7.31866753 -0.93593459 5.63726878
5.6568599 -3.18247207 2.7839476 -3.54402236]

Sample 7154: [2.89212899 0.59390148 0.13984379 6.37556967 3.78332126
0.54423379
1.55365621 -1.09653102 1.7025381 -7.19533959 -0.9773947 5.66678623
5.60781993 -3.29737393 2.73120713 -3.48666428]

Sample 7155: [2.82062355 0.58789672 0.14796986 6.38534283 3.82170331
0.51481041
1.5283768 -1.0932661 1.7434587 -7.18376634 -0.92313398 5.68227395
5.62826093 -3.3237338 2.70316748 -3.54837909]

Sample 7156: [2.76875874 0.58835752 0.17796017 6.51372374 3.87652366
0.52911434
1.50684671 -1.08653007 1.79113418 -7.23898767 -0.92934845 5.76350748
5.62596194 -3.34520437 2.72319152 -3.51343958]

Sample 7157: [2.7730124 0.58028552 0.13288778 6.54041536 3.94411615
0.53287444
1.48862736 -1.06855781 1.81881485 -7.22442018 -0.93516663 5.79073774
5.60871198 -3.36239497 2.73507724 -3.5462632]

Sample 7158: [2.7055278 0.60521442 0.1552681 6.58584525 3.90096046
0.56171848
1.55706082 -1.09465479 1.7735376 -7.17001128 -0.95788544 5.83260908
5.66643374 -3.29032775 2.68970749 -3.53382009]

Sample 7159: [2.65873218 0.58447632 0.16370203 6.56517868 3.93549547
0.49966194
1.55144294 -1.16564758 1.81020719 -7.20119464 -0.95336327 5.85554012
5.66623455 -3.2995342 2.65073943 -3.51793933]
Sample 7160: [2.64638107 0.55968224 0.13007599 6.58266614 3.9213471
0.49536244
1.4223764 -1.09330045 1.83346717 -7.13735436 -1.02901364 5.83974295
5.69285343 -3.1802817 2.65823924 -3.54067358]
Sample 7161: [2.64793185 0.56332974 0.1480121 6.70307921 4.07565132
0.39094532
1.443942 -1.07498468 1.86395566 -7.10433075 -1.00290296 5.92690823
5.66708175 -3.17336335 2.67577376 -3.6525965]
Sample 7162: [2.67250591 0.5625058 0.14067435 6.68895522 4.07372866
0.42553448
1.41487636 -1.03335496 1.87267839 -7.11955797 -1.02624742 5.95156873
5.63607078 -3.11035064 2.66432233 -3.69083047]
Sample 7163: [2.67476424 0.53743892 0.16304717 6.62795274 4.04822308
0.4976341
1.39396061 -1.15549144 1.74085665 -7.11954019 -1.02937204 5.96817252
5.59316451 -3.06418141 2.81777195 -3.63823229]
Sample 7164: [2.59775013 0.54649861 0.17351214 6.64524337 3.97336083
0.42449841
1.3755576 -1.14878097 1.67139272 -7.19555523 -1.05179521 5.88841378
5.54845126 -3.1145729 2.74666315 -3.64999407]
Sample 7165: [2.64803306 0.54568811 0.16267807 6.67729047 4.0060988
0.32381815
1.37652005 -1.11844841 1.6100726 -7.17142633 -1.05729618 5.77295377
5.58469542 -3.09766651 2.82889329 -3.62345428]
Sample 7166: [2.60715031 0.55033003 0.15772411 6.58428429 4.11962434
0.33028507
1.35410099 -1.07500673 1.72375037 -7.10829753 -1.06106805 5.87192879
5.58262768 -3.17611694 2.89988228 -3.55727364]
Sample 7167: [2.66549209 0.55000319 0.1465981 6.52439222 4.20240474
0.35835787
1.37682184 -1.10132614 1.70554205 -7.13686087 -1.14126063 5.89571906
5.4766214 -3.13942722 2.8754611 -3.54455006]
Sample 7168: [2.57370533 0.56241876 0.18200177 6.48320254 4.20932091
0.32640656
1.38318708 -1.15748482 1.70557918 -7.17078697 -1.14475841 5.89394744
5.51651493 -3.19635673 2.87062995 -3.44528546]
Sample 7169: [2.55001817 0.57092671 0.15576144 6.56229407 4.24208665
0.2658749
1.45485268 -1.12263305 1.74220008 -7.14149202 -1.12587911 5.89941207
5.48700254 -3.14322128 2.88574439 -3.46405008]
Sample 7170: [2.61023876 0.57479535 0.14877104 6.58223523 4.22861139
0.24435719
1.44998171 -1.05059401 1.7371588 -7.14742454 -1.11752002 5.92656808
5.41874583 -3.1519341 2.93550818 -3.55072]

Sample 7171: [2.58140571 0.55440107 0.14808946 6.55400331 4.23735242
 0.17961276
 1.42451562 -1.06290207 1.73861567 -7.12231549 -1.17392793 5.93407174
 5.46934325 -3.17226287 2.91184205 -3.61213139]
 Sample 7172: [2.66317385 0.56949252 0.1370942 6.57075281 4.23873174
 0.09642534
 1.38890326 -1.01690551 1.73755094 -7.21402866 -1.19616508 5.92293184
 5.55949518 -3.28937184 2.94439812 -3.61662035]
 Sample 7173: [2.63462671 0.56077408 0.14147127 6.64789641 4.25316628
 0.10733241
 1.40436039 -1.02047201 1.69566127 -7.20567178 -1.33484433 5.9017955
 5.56479726 -3.22901422 2.97233543 -3.57420962]
 Sample 7174: [2.63615722 0.56504726 0.16950982 6.68609204 4.18542883
 0.12673938
 1.37852554 -1.0479951 1.69677413 -7.3378125 -1.30187896 5.93778105
 5.54614944 -3.17356648 2.95803513 -3.65028838]
 Sample 7175: [2.66109478 0.55880956 0.14724958 6.74547697 4.13490624
 0.1030375
 1.45970926 -1.05689871 1.74609388 -7.31267459 -1.22947119 5.87977862
 5.54088732 -3.14907406 2.88793518 -3.64984801]
 Sample 7176: [2.62493516 0.58022903 0.16741126 6.82417717 4.1632008
 0.04959388
 1.49395426 -1.07747085 1.82815279 -7.33508466 -1.17472466 5.86053835
 5.54607201 -3.11452352 2.86820263 -3.71900403]
 Sample 7177: [2.60519077 0.56818775 0.14942721 6.81669371 4.21932629
 0.02784688
 1.53631404 -1.10240875 1.77966003 -7.292732 -1.20050239 5.93936369
 5.60422568 -3.06020788 2.90477574 -3.64858917]
 Sample 7178: [2.55950956 0.57450058 0.16043453 6.77318476 4.16765904
 0.05153982
 1.44398745 -1.09793423 1.77451756 -7.22669768 -1.16394169 5.99431115
 5.68472024 -3.04716851 3.0114927 -3.72197142]
 Sample 7179: [2.54783555 0.54606248 0.1439061 6.75000954 4.22201715
 0.06826625
 1.42521742 -1.02906108 1.77418718 -7.24412958 -1.19009648 5.97048529
 5.55453523 -3.09983836 3.00883816 -3.76441735]
 Sample 7180: [2.72586579 0.5488166 0.18142374 6.8088318 4.15249509
 0.08351292
 1.39080003 -1.07359529 1.77408833 -7.27305034 -1.20658186 5.97487044
 5.52203197 -2.97170803 2.97716655 -3.80945024]
 Sample 7181: [2.72419728 0.52030583 0.2228884 6.80613833 4.16385713
 0.04646884
 1.33052322 -1.05963814 1.70536175 -7.26114119 -1.17743836 5.9955589
 5.62239716 -2.9932555 3.0040396 -3.86229282]
 Sample 7182: [2.74836983 0.53953495 0.14641346 6.83679338 4.20714454
 0.01716461
 1.25106237 -1.13981041 1.73251688 -7.26755163 -1.13165095 6.03305018
 5.63706911 -3.00575957 2.94775063 -3.80706653]

Sample 7183: [2.77214681 0.45826073 0.21734942 6.82564104 4.17572324
0.06608102
1.16477086 -1.07727377 1.71848694 -7.29525316 -1.17699562 6.03732745
5.64498444 -3.03982612 3.03380549 -3.86651835]

Sample 7184: [2.79090153e+00 4.85557597e-01 1.47513766e-01 6.90961878e+00
4.21242744e+00 -4.59150115e-03 1.13138311e+00 -1.05165335e+00
1.80571487e+00 -7.26327999e+00 -1.21520440e+00 6.10763918e+00
5.64585239e+00 -2.98292413e+00 3.02025165e+00 -3.90244064e+00]

Sample 7185: [2.76243772e+00 4.76006685e-01 1.68746088e-01 6.93720802e+00
4.17212475e+00 -4.86288136e-03 1.10760509e+00 -1.03352444e+00
1.75027240e+00 -7.27375317e+00 -1.15365078e+00 6.10751412e+00
5.69864425e+00 -3.07608574e+00 3.00035437e+00 -3.83619055e+00]

Sample 7186: [2.79493617 0.47602697 0.14434042 6.92166912 4.20747858
0.05520762
1.09144618 -1.05471443 1.75643497 -7.25769426 -1.18186237 6.18340629
5.68120941 -3.01675346 3.01229237 -3.90418267]

Sample 7187: [2.77295212 0.44695297 0.18873262 6.87826887 4.185699
0.09131357
1.06022963 -1.06092696 1.77828957 -7.23510072 -1.28439407 6.10932768
5.67897939 -3.04566225 3.05393012 -3.91386655]

Sample 7188: [2.73617466 0.47367855 0.1592549 6.89480604 4.19441352
0.0628939
1.03230674 -1.09364358 1.80802812 -7.24374395 -1.3010891 6.08660074
5.69435862 -3.02968822 3.00306075 -3.95116887]

Sample 7189: [2.69761423 0.44213338 0.1920403 6.93857598 4.20681218
0.04897444
1.0505485 -1.07098364 1.75677145 -7.33815882 -1.21005794 6.05701858
5.59556801 -2.93136998 3.09261439 -3.92796273]

Sample 7190: [2.72237346 0.44147489 0.1838731 6.92552362 4.17121967
0.0199402
1.00681453 -1.066989 1.89560071 -7.43600855 -1.22476999 6.03804121
5.57460445 -2.84863779 3.07538462 -3.86700056]

Sample 7191: [2.73541388 0.44506038 0.16695629 6.91443917 4.13963402
-0.01093322
0.97304592 -1.06382988 1.94018855 -7.35930276 -1.2768806 6.04499471
5.50079908 -2.91684358 3.02122571 -3.91043127]

Sample 7192: [2.70878893 0.41582184 0.18781708 6.86036838 4.12669693
0.01407155
0.92500795 -1.00831171 1.97401119 -7.36380853 -1.19571672 6.00106521
5.5252005 -2.93652893 3.07257841 -3.8925285]

Sample 7193: [2.69049924 0.47173651 0.16868211 6.92066044 4.15541753
-0.00877727
1.0206226 -1.02124697 1.99945355 -7.42669408 -1.25265624 6.04989595
5.53292324 -2.90051391 3.05385934 -3.92508305]

Sample 7194: [2.65804778e+00 4.57909491e-01 1.89408482e-01 6.98236798e+00
4.17931802e+00 -7.09002409e-03 1.07467985e+00 -1.12309391e+00
1.98564883e+00 -7.45645202e+00 -1.24565624e+00 6.05906985e+00
5.43923953e+00 -2.92573541e+00 2.99802115e+00 -3.86500280e+00]

Sample 7195: [2.71746041 0.44738441 0.22353009 6.96257117 4.25194455
-0.07625905
1.08365853 -1.12854343 1.99378458 -7.46480351 -1.24780456 6.01738754
5.44017144 -2.99896668 3.12821526 -3.91542252]
Sample 7196: [2.71913214 0.45992382 0.19641678 6.92311029 4.28798684
-0.10438372
1.05081315 -1.11487102 2.00463126 -7.50317137 -1.33646083 5.94097758
5.47123236 -2.9818486 3.17181855 -3.92859483]
Sample 7197: [2.76619694 0.45917369 0.21077732 6.9356167 4.2047457
-0.0960846
1.08313209 -1.21582755 1.96765206 -7.46275601 -1.3080851 5.9962663
5.48890637 -3.03556568 3.18224499 -3.93996821]
Sample 7198: [2.78335994 0.46309698 0.22527371 6.93984449 4.21988466
-0.1509721
1.15580435 -1.28473824 2.01034646 -7.54356936 -1.29303885 6.04340367
5.46438436 -3.12849101 3.11793274 -3.87770436]
Sample 7199: [2.83149382 0.49626631 0.25985531 7.05283904 4.21374221
-0.11990871
1.21391498 -1.33505875 2.05581816 -7.53095792 -1.22888917 6.0505736
5.43320585 -3.08238007 3.07501697 -3.9632907]
Sample 7200: [2.78861891 0.4641482 0.22653102 7.06843963 4.16324895
-0.11092035
1.16938185 -1.30475444 2.00323386 -7.54916327 -1.18535096 6.05888828
5.38262599 -3.02867403 3.03585158 -3.93153665]
Sample 7201: [2.74694535 0.49437096 0.24087906 7.12722163 4.2459491
-0.12675216
1.17396706 -1.28869968 1.99732919 -7.51495745 -1.08753734 6.12755722
5.42772768 -3.03571699 2.97281789 -3.87046338]
Sample 7202: [2.74780196 0.46575309 0.23501747 7.04566304 4.23512515
-0.0577046
1.18860396 -1.2652252 2.06641544 -7.48231973 -1.10013929 6.11896802
5.38764524 -2.96942636 3.02508433 -3.96150789]
Sample 7203: [2.59566982 0.48108495 0.25072266 7.04047864 4.22461671
-0.05450433
1.20697301 -1.31936036 2.0781653 -7.46094383 -1.14890179 6.21552092
5.38679747 -2.93973311 2.97385445 -4.06798415]
Sample 7204: [2.58107781 0.46797795 0.25775547 7.05333721 4.1778899
-0.03213974
1.16210695 -1.37355153 2.06833764 -7.46410465 -1.03815482 6.27548732
5.40731507 -2.93279215 2.94993811 -4.04080745]
Sample 7205: [2.69752707e+00 4.44253715e-01 2.57589910e-01 7.06253910e+00
4.26557858e+00 -4.29974264e-03 1.17003738e+00 -1.35830973e+00
2.11558428e+00 -7.48210124e+00 -1.00683220e+00 6.28478244e+00
5.37815823e+00 -2.92962239e+00 2.89502921e+00 -4.08441376e+00]
Sample 7206: [2.74031766 0.47354177 0.2465442 7.1083615 4.19680172
0.06535956
1.1986356 -1.32526518 2.11208538 -7.45705942 -1.01492477 6.26491172
5.42323338 -2.9156803 2.91989834 -4.11248195]

Sample 7207: [2.80887043 0.46295713 0.25421431 7.15468208 4.18018453
0.07906661
1.16356475 -1.33299995 2.11097381 -7.485508 -1.09367498 6.3346363
5.42061173 -2.9553273 2.88494389 -4.17550198]

Sample 7208: [2.86230448 0.44885824 0.24327477 7.21169506 4.16223904
0.03213436
1.09639127 -1.28830616 2.13310376 -7.47774401 -1.16468369 6.31897932
5.50361566 -2.99547817 2.8581253 -4.26596481]

Sample 7209: [2.80252785 0.45439523 0.24284431 7.20847635 4.18567735
0.11167141
1.12562495 -1.28709206 2.13942481 -7.38863182 -1.1516329 6.36347911
5.56617373 -3.00669378 2.80456567 -4.27354114]

Sample 7210: [2.82643771 0.45411732 0.24502441 7.18497994 4.13684872
0.21167947
1.20474681 -1.31356149 2.2135786 -7.41466698 -1.10891763 6.40021735
5.65610314 -3.09232429 2.8079041 -4.25946221]

Sample 7211: [2.89598682 0.48174046 0.24907425 7.23347446 4.16273917
0.19630479
1.21767036 -1.32507114 2.16551596 -7.47056707 -1.16745964 6.4226852
5.61602663 -3.02809428 2.79098743 -4.23907305]

Sample 7212: [3.05687193 0.45206935 0.23412704 7.28287581 4.17456263
0.11716452
1.19620521 -1.29450234 2.13606702 -7.47443724 -1.10850388 6.41800104
5.6942993 -2.97494286 2.79554999 -4.13970941]

Sample 7213: [3.13350806 0.48102094 0.24327082 7.25399229 4.1992913
0.21236845
1.1933138 -1.31353106 2.24189951 -7.48710369 -1.11048135 6.31686906
5.68490886 -2.84256867 2.83530838 -4.08108875]

Sample 7214: [3.21954519 0.46119481 0.2362283 7.23440306 4.19086874
0.17454388
1.13862163 -1.33719067 2.24749 -7.54239364 -1.07356692 6.30966414
5.70808134 -2.77631896 2.87668177 -4.13180834]

Sample 7215: [3.19155395 0.47358442 0.24217595 7.28070104 4.16076582
0.18418769
1.14560559 -1.37133461 2.27684986 -7.54976959 -1.10388156 6.32660082
5.79754954 -2.80432712 2.91717904 -4.06944454]

Sample 7216: [3.15735029 0.45132151 0.24101138 7.40684463 4.13431227
0.18138196
1.08766033 -1.35495571 2.30475406 -7.48691757 -1.00852709 6.30631605
5.75481861 -2.72306044 3.00410588 -4.1450364]

Sample 7217: [3.21368822 0.4340459 0.24244811 7.36282566 4.00133881
0.17869213
1.04349621 -1.34628181 2.26793762 -7.38642283 -1.07753216 6.29143583
5.79527232 -2.73364485 2.94164927 -4.1957528]

Sample 7218: [3.26416156 0.44902112 0.2423504 7.35344754 3.98668256
0.19180162
1.11495244 -1.34012626 2.29653238 -7.47799018 -1.08678602 6.26943145
5.82390199 -2.77169343 2.95850682 -4.1904809]

Sample 7219: [3.23770787 0.45405574 0.24588348 7.34608975 3.9989568
0.18319415
1.15105722 -1.26095523 2.293636 -7.54461203 -1.11008368 6.34138746
5.89997541 -2.73889903 2.95828252 -4.13681865]
Sample 7220: [3.17948944 0.46978391 0.19921058 7.39913196 4.04298495
0.1821124
1.1882267 -1.32545657 2.19896905 -7.46518157 -1.13158196 6.29603694
5.96191346 -2.70359497 2.9329953 -4.06638527]
Sample 7221: [3.21253912 0.46310953 0.27560219 7.3215292 3.98021089
0.16714221
1.20203192 -1.34059009 2.17588977 -7.45051203 -1.10371925 6.25984623
5.96197057 -2.74185152 2.87599592 -4.06772716]
Sample 7222: [3.35374424e+00 4.78719517e-01 2.13038703e-01 7.38998148e+00
3.96703885e+00 -3.00802249e-03 1.18858085e+00 -1.36531715e+00
2.11707669e+00 -7.48065316e+00 -1.07063233e+00 6.18525762e+00
5.98570696e+00 -2.83994952e+00 2.84895056e+00 -4.08489875e+00]
Sample 7223: [3.33714722 0.45959294 0.23696101 7.44908971 3.96415364
-0.04506777
1.17475217 -1.3542593 2.07280828 -7.48299114 -1.12081439 6.19875881
6.04722821 -2.88637097 2.81553428 -4.16499031]
Sample 7224: [3.37664426 0.45667702 0.26755126 7.47023381 3.98281844
-0.06450138
1.20028514 -1.42218284 2.07718101 -7.41429597 -1.12453199 6.25571332
5.92788837 -2.96000911 2.85890935 -4.20006826]
Sample 7225: [3.3934902 0.46229105 0.27235241 7.58116014 3.92707639
-0.12877714
1.21863925 -1.49697972 2.03499399 -7.39154904 -1.12525584 6.35243923
5.91982804 -2.97302798 2.88802584 -4.19017172]
Sample 7226: [3.4197826 0.49479502 0.25630606 7.61194944 3.96421513
-0.11406415
1.25048756 -1.41578143 2.07371798 -7.46814354 -1.11911041 6.45223926
5.97135309 -2.94185373 2.86421437 -4.12656606]
Sample 7227: [3.46355799 0.48542127 0.22987735 7.65230995 3.94507707
-0.08839662
1.26602348 -1.41035348 2.07401771 -7.52439408 -1.08081242 6.38045479
6.06882608 -2.95598312 2.83857754 -4.12179973]
Sample 7228: [3.51105188 0.4980066 0.23551347 7.75214157 3.92180129
-0.06166908
1.25968841 -1.40503783 2.03069932 -7.4650233 -1.10054184 6.33312094
6.10172722 -2.93298766 2.94418606 -4.1071997]
Sample 7229: [3.57277856 0.47790051 0.20987488 7.77264739 3.94770776
-0.04928365
1.2023027 -1.35452346 2.03693912 -7.46779067 -1.02761346 6.31576237
6.08791984 -2.97343954 2.91838389 -4.09097434]
Sample 7230: [3.4772614 0.51840603 0.21293507 7.7883436 3.97222908
0.02851477
1.29481981 -1.28977967 2.06752999 -7.4354122 -1.02758799 6.38074262
6.14975356 -2.94424104 2.91357631 -4.04060035]

Sample 7231: [3.39066138 0.49875204 0.16810923 7.82267849 3.95906395
 -0.00855293
 1.27063993 -1.24975952 2.09033546 -7.43601991 -1.08826821 6.36842841
 6.20984925 -2.8856302 2.86978294 -3.98636768]
 Sample 7232: [3.49362854 0.48520468 0.1731694 7.89643306 3.94331293
 0.01946002
 1.24208649 -1.26595199 2.06086337 -7.41098839 -1.03981264 6.46554903
 6.23693194 -2.83573076 2.78678585 -4.01435104]
 Sample 7233: [3.50705693 0.49275853 0.18635489 7.91525355 3.85786939
 0.08392478
 1.2428453 -1.28457218 2.02995472 -7.38479147 -1.11828501 6.56648281
 6.21126835 -2.83616325 2.83198785 -3.95400114]
 Sample 7234: [3.52269022 0.488897 0.1898996 7.88318039 3.970278
 0.05318098
 1.17150512 -1.32520133 1.92913538 -7.43846303 -1.1068585 6.576696
 6.24944082 -2.82312128 2.84597219 -3.9593387]
 Sample 7235: [3.53061844 0.50061507 0.22775736 7.83294112 3.93058321
 -0.01205774
 1.20448667 -1.33044246 1.91695284 -7.55007858 -1.16794726 6.56622489
 6.27054604 -2.91327765 2.95878055 -4.02864124]
 Sample 7236: [3.55758726 0.46440975 0.1721589 7.77465423 3.90365471
 -0.04242174
 1.16395671 -1.33447727 1.98348867 -7.50071098 -1.14666785 6.50997745
 6.29430012 -2.88721669 3.05654292 -4.07701597]
 Sample 7237: [3.61342506 0.49380932 0.23083614 7.80069269 3.82985757
 -0.05349831
 1.21557585 -1.33511824 2.03724088 -7.46464966 -1.0975009 6.48596061
 6.22242149 -2.93851499 3.02992197 -4.02325295]
 Sample 7238: [3.66377423 0.50048802 0.18320304 7.78952196 3.86586283
 -0.03123981
 1.35683402 -1.32605254 2.13294045 -7.35537451 -1.0239904 6.45291596
 6.16990542 -2.92217941 2.96413512 -3.91557221]
 Sample 7239: [3.60239969 0.56300714 0.18984741 7.77649431 3.80379002
 -0.05109332
 1.40844516 -1.30604872 2.20561925 -7.3152395 -1.00444238 6.43756377
 6.18860658 -2.92467369 2.97559677 -3.89410799]
 Sample 7240: [3.53176699 0.50773193 0.19647233 7.73231905 3.8568503
 -0.01560272
 1.33725669 -1.32443412 2.14823127 -7.36391612 -1.02067201 6.44682253
 6.14016345 -2.91241128 2.93085561 -3.9602015]
 Sample 7241: [3.40943384 0.51752051 0.1816557 7.71837621 3.81211296
 0.04861271
 1.28492041 -1.26325966 2.17668903 -7.38173598 -1.00398976 6.47597783
 5.99454827 -2.90267531 2.93136894 -3.94680246]
 Sample 7242: [3.36630321e+00 4.76720255e-01 2.02770673e-01 7.67557761e+00
 3.81053367e+00 4.85694143e-03 1.28915068e+00 -1.30647341e+00
 2.11040880e+00 -7.40858604e+00 -9.63947917e-01 6.54425783e+00
 6.04098278e+00 -2.92075811e+00 2.94561757e+00 -4.00998597e+00]

Sample 7243: [3.40308875 0.5118887 0.20218297 7.60597944 3.8556727
 -0.04069425
 1.28065439 -1.32519756 2.09106055 -7.39459414 -0.94385068 6.54418078
 6.0926878 -2.92007131 2.81569193 -4.04175201]
 Sample 7244: [3.43807321 0.48392492 0.23481484 7.66901975 3.9489358
 -0.12531066
 1.28551879 -1.33758007 2.09644935 -7.33205017 -1.01495623 6.62284986
 6.12995251 -2.92820919 2.85321807 -4.06454309]
 Sample 7245: [3.43958828 0.50848746 0.25267237 7.67356234 4.02946665
 -0.16824044
 1.31057226 -1.32176941 2.12356205 -7.32350404 -1.00529779 6.56939428
 6.14932152 -3.02602098 2.77862995 -4.08136909]
 Sample 7246: [3.44533261 0.52168197 0.21499388 7.6479327 4.01987225
 -0.18617784
 1.41069905 -1.28912345 2.01433412 -7.35963408 -0.960495 6.56275853
 6.22313765 -3.01252555 2.74107142 -4.09945602]
 Sample 7247: [3.44918838 0.51777818 0.20233191 7.67855005 4.00276309
 -0.19348998
 1.39026501 -1.24700889 1.95674094 -7.3921897 -0.9411042 6.47892455
 6.24651109 -3.0860816 2.72785051 -4.15259411]
 Sample 7248: [3.42065915 0.50334855 0.1749644 7.60030783 4.01975484
 -0.19045292
 1.38034631 -1.23759961 1.92279036 -7.33219157 -0.90099817 6.50003797
 6.29530083 -3.09786664 2.73889927 -4.14796494]
 Sample 7249: [3.53942118 0.53661798 0.1898607 7.57549147 4.0554631
 -0.20729669
 1.40259215 -1.28072698 1.9390182 -7.25525427 -0.93207917 6.5871919
 6.23136616 -3.0525058 2.80267801 -4.16087002]
 Sample 7250: [3.50879043 0.55132184 0.19640558 7.55407213 4.06349284
 -0.15214969
 1.53584905 -1.25170928 1.91511091 -7.29811931 -0.9806759 6.52239277
 6.18897678 -2.98110294 2.69543172 -4.21879435]
 Sample 7251: [3.49604443 0.57722155 0.20820091 7.5121546 4.02605809
 -0.13722615
 1.59175449 -1.28015532 1.91532792 -7.37398565 -0.95673717 6.55737102
 6.13614008 -2.99665914 2.60575414 -4.20077595]
 Sample 7252: [3.51171684 0.55063637 0.2243761 7.56561392 3.95565302
 -0.14920122
 1.54130717 -1.26568788 1.89155532 -7.40049766 -0.95758815 6.6337808
 6.12779732 -2.96944823 2.58774012 -4.25271507]
 Sample 7253: [3.47779411 0.5382587 0.26719546 7.57835042 3.95843239
 -0.22393777
 1.51835656 -1.3157009 1.93118956 -7.43822328 -0.96124841 6.63456626
 6.1468366 -2.96247656 2.6938827 -4.23651749]
 Sample 7254: [3.43980388 0.55092946 0.19247354 7.59552806 3.94749979
 -0.20713116
 1.54959734 -1.30527231 1.89232858 -7.4651184 -0.93582846 6.66964619
 6.11523038 -3.02137471 2.71246974 -4.1820767]

Sample 7255: [3.53921627 0.58972136 0.24474591 7.53234281 3.83433271
 -0.21582829
 1.59780768 -1.36009012 1.91508424 -7.38389081 -0.9398165 6.66175028
 6.14049379 -3.0257853 2.70396474 -4.19788355]
 Sample 7256: [3.47850073 0.56805389 0.24356855 7.46808253 3.89822198
 -0.23159689
 1.57996348 -1.36786365 1.88854869 -7.36015269 -0.95974367 6.62965688
 6.07887813 -3.02059086 2.69461083 -4.25104749]
 Sample 7257: [3.55392686 0.56830753 0.23903534 7.48079621 3.90754957
 -0.26148233
 1.63503541 -1.43152079 1.87940041 -7.36390085 -0.98765996 6.61679897
 6.02204792 -3.03868593 2.69045009 -4.22933883]
 Sample 7258: [3.68392645 0.55412149 0.29131357 7.63563581 3.90017507
 -0.23744323
 1.61134652 -1.37446462 1.97101378 -7.30205263 -1.04928485 6.64127411
 6.05615791 -3.09671009 2.65824819 -4.11180384]
 Sample 7259: [3.71132911 0.57560245 0.24782701 7.60558086 3.82719351
 -0.21066471
 1.59567472 -1.38393638 2.0193727 -7.28916247 -0.97927909 6.56130123
 6.01574122 -3.07665356 2.77551822 -4.15109368]
 Sample 7260: [3.67279735 0.53483456 0.2204401 7.6077445 3.74655653
 -0.20552299
 1.51096918 -1.4174523 2.03283816 -7.25829484 -1.09227204 6.58046486
 6.03161707 -2.99101255 2.68463456 -4.07478703]
 Sample 7261: [3.76365857 0.5518524 0.25609305 7.68968412 3.74922886
 -0.18965837
 1.41358119 -1.44512273 2.09835428 -7.26681198 -1.08448643 6.47997984
 6.00455897 -3.06618608 2.6100519 -4.04461262]
 Sample 7262: [3.7410851 0.51605741 0.25607407 7.55156577 3.85048614
 -0.18990098
 1.33563766 -1.44833087 2.13821519 -7.19389956 -1.05621066 6.50646774
 6.04747516 -3.00854926 2.54448981 -4.07482272]
 Sample 7263: [3.72554371 0.52824156 0.21974143 7.44488002 3.81401443
 -0.17050192
 1.47165719 -1.43482504 2.17433102 -7.17496177 -1.08905028 6.4746852
 6.0308842 -3.02077173 2.56895003 -4.0256322]
 Sample 7264: [3.64152535 0.52877847 0.26101283 7.42458206 3.91552135
 -0.06855173
 1.3796523 -1.4262529 2.16062173 -7.18575517 -1.13151131 6.51838188
 5.90900188 -3.01639755 2.59284828 -4.06141756]
 Sample 7265: [3.67167973 0.51946546 0.24262426 7.41268154 3.91303012
 -0.09606856
 1.39857893 -1.47327637 2.17068229 -7.21276467 -1.15915602 6.54911795
 5.87557296 -3.03457843 2.53666148 -4.01451541]
 Sample 7266: [3.6382916 0.55427423 0.30099476 7.39577287 3.91507055
 -0.16645326
 1.45836216 -1.55278637 2.16325872 -7.1998891 -1.12722274 6.53703278
 5.89164955 -3.05329459 2.47581335 -4.03804508]

Sample 7267: [3.63389048 0.53667965 0.26358984 7.30089182 3.90033597
 -0.15681472
 1.47583105 -1.49917366 2.15126217 -7.15078832 -1.10347976 6.52829081
 5.9160047 -2.96450794 2.44092979 -3.93741974]
 Sample 7268: [3.64870842 0.57041607 0.28085432 7.37050024 3.97621223
 -0.14625567
 1.5054173 -1.48618178 2.20995471 -7.16072857 -1.11629834 6.50888359
 5.80288464 -3.01041621 2.42953734 -4.02044201]
 Sample 7269: [3.67934827 0.53927998 0.25349893 7.43085297 3.94393813
 -0.22384764
 1.49562655 -1.52731322 2.18864312 -7.1320486 -1.15571136 6.46267059
 5.82565099 -3.00288445 2.42590625 -4.01093742]
 Sample 7270: [3.68708548 0.56178684 0.29440188 7.39048531 3.95575055
 -0.26750491
 1.44528706 -1.53305707 2.19804767 -7.1376743 -1.18706406 6.45431027
 5.76865969 -2.98610248 2.41524642 -3.96901795]
 Sample 7271: [3.64594949 0.53800281 0.26721249 7.34905682 3.97050841
 -0.21090102
 1.41903269 -1.56961336 2.22201108 -7.10814326 -1.17261525 6.50046712
 5.76820025 -2.97169644 2.429914 -3.89802783]
 Sample 7272: [3.60114078 0.58041473 0.31614376 7.42467092 3.93851462
 -0.12698272
 1.49693862 -1.59701875 2.21636797 -7.11102611 -1.24114118 6.53834006
 5.73275413 -2.97283292 2.47243371 -3.91429712]
 Sample 7273: [3.53165032 0.49816795 0.286699 7.43308586 3.89451396
 -0.10461138
 1.39217785 -1.58397238 2.20144275 -7.10660437 -1.25186607 6.52526052
 5.68631389 -2.97929897 2.4716944 -3.97552769]
 Sample 7274: [3.56774654 0.54817239 0.29500724 7.48688689 4.02316011
 -0.05689477
 1.36973192 -1.57924077 2.19973905 -7.17048635 -1.25154892 6.53995056
 5.65419266 -2.94612991 2.35972017 -4.03879598]
 Sample 7275: [3.62855517 0.53644923 0.2905508 7.45041796 4.00114101
 0.0769586
 1.43056181 -1.55428509 2.24776512 -7.2109804 -1.33888548 6.55114103
 5.64657208 -2.96444638 2.37515966 -4.12834265]
 Sample 7276: [3.57186187 0.5514556 0.28524962 7.53016201 3.99151506
 0.05960083
 1.37079088 -1.51854996 2.31321748 -7.09141593 -1.34130637 6.60750634
 5.6398487 -2.88742611 2.36541764 -4.10005555]
 Sample 7277: [3.59201925e+00 5.05442468e-01 2.78561116e-01 7.60370859e+00
 3.98693557e+00 5.09975779e-03 1.43351707e+00 -1.52755881e+00
 2.30620892e+00 -7.13256338e+00 -1.26530107e+00 6.44940618e+00
 5.70854542e+00 -2.98608052e+00 2.42406248e+00 -4.06450026e+00]
 Sample 7278: [3.60619374 0.55988195 0.29581947 7.68690176 4.05942735
 0.0809298
 1.46408534 -1.50657118 2.32687871 -7.06318958 -1.27298405 6.40612609
 5.73251531 -2.93954028 2.33566682 -4.10231458]

Sample 7279: [3.60727708 0.51174554 0.26207398 7.68377598 4.09745482
0.1027502
1.40244541 -1.53468247 2.29204744 -7.10710959 -1.23619744 6.33067385
5.73168251 -2.95609991 2.28927495 -4.0675031]
Sample 7280: [3.62815537 0.49959894 0.31278064 7.71745624 4.14834493
0.14113267
1.31638566 -1.56070518 2.27497502 -7.10911888 -1.26492457 6.31451197
5.73073404 -2.89593913 2.32609252 -4.1261149]
Sample 7281: [3.61672078 0.49743681 0.25082419 7.69768389 4.15704629
0.07430324
1.30156274 -1.474622 2.26499717 -7.15252156 -1.14515836 6.21232695
5.73722087 -2.93047675 2.34487369 -4.08478783]
Sample 7282: [3.67458853 0.48882967 0.27991397 7.685413 4.231231
0.08389852
1.22290317 -1.46500078 2.19692138 -7.15088071 -1.14106481 6.22489486
5.799925 -2.99279864 2.40941404 -4.03549754]
Sample 7283: [3.69796143 0.4969156 0.28080265 7.63407682 4.28251977
0.03708548
1.25488183 -1.43465687 2.1470691 -7.19433471 -1.17282522 6.21628644
5.83797032 -3.13167723 2.35352173 -4.05464623]
Sample 7284: [3.69100389 0.47430435 0.24471567 7.60227543 4.34156871
0.04915078
1.20193671 -1.46874409 2.21552331 -7.17617329 -1.212162 6.17120243
5.8482508 -3.15640133 2.48212328 -4.00467645]
Sample 7285: [3.66104219 0.4590365 0.25663492 7.61550957 4.39832054
0.05255196
1.11159606 -1.47827829 2.2556679 -7.11141446 -1.19020389 6.20115245
5.95209308 -3.15777296 2.5441435 -4.0073075]
Sample 7286: [3.5730154 0.45476349 0.30354809 7.77837352 4.42590613
0.13914229
1.14251016 -1.56933398 2.2480995 -7.05581538 -1.16124844 6.23728727
5.90724225 -3.17276752 2.57916201 -3.9643989]
Sample 7287: [3.6133701 0.48385165 0.2768804 7.79667275 4.30591288
0.10672925
1.2010323 -1.55103172 2.20217554 -7.11594287 -1.17456475 6.23197905
5.82267947 -3.23641734 2.65293123 -3.94789646]
Sample 7288: [3.67438958 0.4761372 0.29615464 7.82230835 4.42441292
0.14698776
1.14547101 -1.57629257 2.11111052 -7.10519291 -1.15807975 6.16549002
5.78725229 -3.22771673 2.71547877 -3.95552394]
Sample 7289: [3.66604987 0.46950014 0.25048047 7.7154289 4.42255586
0.19394443
1.13976059 -1.49236657 2.14254194 -7.19662539 -1.14981634 6.14408456
5.76247183 -3.31425656 2.76048729 -3.9620476]
Sample 7290: [3.65000782 0.48330007 0.27095537 7.72014727 4.32428467
0.10662968
1.1235923 -1.49494236 2.17756241 -7.17555047 -1.04929236 6.11178615
5.76352223 -3.30433871 2.80214398 -3.93241418]

Sample 7291: [3.6055631 0.46077024 0.25279396 7.72121664 4.27828744
0.1217054
1.15744411 -1.49647009 2.18248327 -7.25466254 -1.00525226 6.05663665
5.77428533 -3.30543686 2.80133033 -3.91511593]
Sample 7292: [3.62373906 0.46629189 0.27127211 7.75581472 4.2572434
0.16322229
1.12188868 -1.52461893 2.16652166 -7.30226938 -1.04572019 6.10627582
5.78054668 -3.37492932 2.76015507 -3.86057856]
Sample 7293: [3.5624498 0.4849273 0.25254395 7.74664329 4.17269519
0.18642271
1.17506572 -1.48895249 2.15691956 -7.38058219 -1.03150223 6.20099252
5.69086443 -3.35270985 2.82101163 -3.82811751]
Sample 7294: [3.51067465 0.48370486 0.25413215 7.73675482 4.25926957
0.15263999
1.10455981 -1.46872574 2.16905216 -7.33787379 -1.04275387 6.25675016
5.70826361 -3.43588475 2.86361785 -3.76013375]
Sample 7295: [3.48029452 0.45708269 0.2395343 7.73017797 4.35776619
0.100516
1.10957843 -1.43404334 2.12972418 -7.31394432 -1.05879709 6.18692003
5.67585158 -3.47637476 2.86754118 -3.80407179]
Sample 7296: [3.46655574 0.47801836 0.24174721 7.61467155 4.39511049
0.17550153
1.11790437 -1.37040952 2.0933359 -7.25830244 -1.04521379 6.19613328
5.55034267 -3.56007018 2.88662569 -3.76559621]
Sample 7297: [3.44998343 0.46402113 0.20611615 7.66953483 4.33937029
0.19976228
1.10329415 -1.26213704 2.05447461 -7.29867831 -1.00727823 6.21718896
5.49111165 -3.55376965 2.96262171 -3.77574543]
Sample 7298: [3.50517105 0.48015126 0.19940236 7.67783412 4.41323154
0.17313932
1.05921185 -1.23628708 2.08631266 -7.18733936 -1.04817025 6.22193073
5.56050396 -3.53007773 3.04613086 -3.71354778]
Sample 7299: [3.46274526 0.47873938 0.24003527 7.69740705 4.45315901
0.21430135
1.10048215 -1.23601767 2.14084875 -7.20596117 -1.05717899 6.15876212
5.5605614 -3.53185185 3.00089769 -3.73033913]
Sample 7300: [3.4890288 0.46498232 0.26318234 7.71113495 4.41355139
0.19369974
1.13745274 -1.29769361 2.17556235 -7.35382752 -1.02378905 6.15723873
5.58257888 -3.55771208 3.04480166 -3.76547547]
Sample 7301: [3.50222937 0.4725486 0.262105 7.68982015 4.42389795
0.18727856
1.09062854 -1.37578376 2.15728783 -7.3508865 -0.99808489 6.14063766
5.65178428 -3.51500448 3.00259653 -3.73879922]
Sample 7302: [3.49934442 0.47019992 0.19099808 7.63142863 4.30679335
0.23723111
1.06791227 -1.30093939 2.11465257 -7.30619641 -1.05386014 6.16942766
5.67621529 -3.50833318 2.83402262 -3.69962489]

Sample 7303: [3.51160299 0.43397645 0.21734386 7.58190529 4.3104765
0.24505049
1.0053133 -1.31020003 2.055284 -7.24918078 -1.06864791 6.24937485
5.65341957 -3.61481889 2.74789661 -3.7722975]
Sample 7304: [3.52824237 0.44427331 0.17658736 7.54755421 4.33519444
0.27457271
0.96994572 -1.19683618 2.03207859 -7.2520599 -1.13281727 6.16861183
5.65709734 -3.5593375 2.71008097 -3.79976879]
Sample 7305: [3.47693665 0.41866601 0.18497249 7.55407229 4.36275953
0.30962041
0.897886 -1.16502785 2.06987485 -7.19664665 -1.18231742 6.13944905
5.7217625 -3.51801055 2.72965099 -3.84347094]
Sample 7306: [3.40946879 0.41518665 0.17219617 7.54360385 4.27248592
0.3510939
0.87181367 -1.19642281 2.08987542 -7.25880634 -1.15602543 6.08901538
5.7866055 -3.45076099 2.73984761 -3.86870178]
Sample 7307: [3.42685997 0.41151192 0.19441741 7.65448644 4.30338613
0.42047506
0.85745892 -1.23584684 2.22333621 -7.18845262 -1.07974727 6.10174387
5.90489483 -3.4948193 2.76541167 -3.91056098]
Sample 7308: [3.41877589 0.42034513 0.20616079 7.63693236 4.34066293
0.39182248
0.83447077 -1.32249536 2.14933001 -7.14860491 -1.00800427 6.14191854
5.89492474 -3.44668846 2.79020142 -3.87225188]
Sample 7309: [3.4752495 0.42012614 0.19530039 7.55827241 4.28073057
0.39222676
0.7980647 -1.28451261 2.20907859 -7.1781405 -1.07265071 6.14247654
5.90779389 -3.45762216 2.81408865 -3.94000062]
Sample 7310: [3.49120904 0.37066117 0.20813043 7.6075544 4.26460255
0.33159671
0.75113656 -1.23593832 2.1566386 -7.24297039 -1.05939523 6.0702065
5.92563825 -3.42815977 2.90766956 -3.91838964]
Sample 7311: [3.45760336 0.3787277 0.17344245 7.66679776 4.32811291
0.35142411
0.77169 -1.27357002 2.18348802 -7.24294819 -1.04180797 6.08963184
5.94598311 -3.39263524 2.91206216 -3.93424055]
Sample 7312: [3.48483984 0.40963756 0.22697526 7.71112768 4.3879742
0.32024184
0.81446222 -1.27133993 2.22454046 -7.2178716 -1.09343944 6.07016092
6.01368394 -3.37890216 2.92157517 -3.89077662]
Sample 7313: [3.49967134 0.43692293 0.16103184 7.69528308 4.40513112
0.25137304
0.86101866 -1.22732476 2.23753692 -7.25992345 -1.04988887 6.12717447
6.04960527 -3.28633626 2.93705161 -3.90904303]
Sample 7314: [3.48177292 0.40364748 0.17258222 7.63897882 4.45293927
0.24986954
0.8664026 -1.17753975 2.16403097 -7.3391906 -1.06165233 6.07081851
6.01457862 -3.35077906 2.92792486 -3.77346463]

Sample 7315: [3.52277058 0.44603097 0.13704499 7.66539004 4.45879934
0.18719979
0.80363421 -1.0763294 2.19102137 -7.32936406 -0.99687888 6.16073081
6.00452373 -3.34671437 2.97813928 -3.73530502]
Sample 7316: [3.4793987 0.41763063 0.14272036 7.58744541 4.47837241
0.18794467
0.88595315 -1.10082645 2.14567561 -7.32736339 -0.94001946 6.13982335
5.95908307 -3.30729869 3.00084896 -3.75414358]
Sample 7317: [3.41929283 0.45551676 0.13946296 7.56244894 4.53234415
0.13381143
0.88754655 -1.12473578 2.14448348 -7.37051417 -0.97978084 6.15979824
6.04019135 -3.33912891 2.99044463 -3.6929617]
Sample 7318: [3.3580341 0.4104002 0.17652358 7.55182411 4.50056183
0.20253466
0.90371378 -1.23497222 2.12473941 -7.38067273 -0.9701972 6.09439781
6.04065012 -3.29071272 2.99799595 -3.7434575]
Sample 7319: [3.30916679 0.45019477 0.17363066 7.59846754 4.48519068
0.2771069
0.91975631 -1.26618088 2.12178969 -7.38632235 -1.06975315 6.06280355
6.07050126 -3.19009717 3.02485662 -3.67200961]
Sample 7320: [3.33939441 0.43500985 0.1751262 7.54200571 4.47258499
0.3486224
0.97639161 -1.2595353 2.14875476 -7.30581362 -1.0860047 6.08639933
6.19627939 -3.25998564 3.00215574 -3.67594325]
Sample 7321: [3.29157241 0.47585051 0.14416858 7.59121457 4.53623067
0.41398487
1.01294738 -1.19944489 2.15201284 -7.30059576 -1.1518515 6.17883131
6.20315686 -3.21215922 3.04755499 -3.65811515]
Sample 7322: [3.34034691 0.46343529 0.13262434 7.60648422 4.57258963
0.37205722
0.99794553 -1.13764588 2.13231515 -7.26726001 -1.13387531 6.12976653
6.23388524 -3.13029272 3.11087414 -3.57104966]
Sample 7323: [3.33693746 0.46785142 0.14209574 7.64030568 4.66250905
0.39517759
0.93014046 -1.16122291 2.11630571 -7.27068576 -1.21233911 6.13896987
6.14168391 -3.18768523 3.12615045 -3.57254537]
Sample 7324: [3.2872538 0.43477078 0.15039229 7.68658577 4.61777471
0.34940033
0.89299846 -1.21940419 2.15002501 -7.2347296 -1.2384509 6.1442016
6.13662989 -3.15772715 3.16396559 -3.48006997]
Sample 7325: [3.31759909 0.47504934 0.13773461 7.67547901 4.5701769
0.32780222
0.8844566 -1.17882096 2.15141292 -7.27487071 -1.16057758 6.16540233
6.18000172 -3.12697528 3.13105442 -3.5005038]
Sample 7326: [3.23970288 0.45050448 0.1294759 7.69168627 4.5379131
0.33732115
0.92690057 -1.1280639 2.1233981 -7.2148143 -1.15590709 6.23122583
6.22474206 -3.12017801 3.07354546 -3.43782847]

Sample 7327: [3.23319294 0.49501375 0.12997224 7.71501408 4.51180019
0.40023086
0.92342353 -1.15680756 2.22407709 -7.23526263 -1.1483931 6.18456597
6.23894147 -3.14757806 2.97971512 -3.43343981]

Sample 7328: [3.25443007 0.45610591 0.11958546 7.67772961 4.56403238
0.42126858
0.91927087 -1.08059728 2.24338466 -7.22706791 -1.17122062 6.12647633
6.28645715 -3.10213415 2.9382955 -3.43055963]

Sample 7329: [3.29657896 0.50738978 0.11473366 7.61448844 4.61151752
0.36950589
0.91115119 -1.0797653 2.24129702 -7.14782562 -1.16661398 6.19370088
6.25251114 -3.12648718 2.9833881 -3.47300116]

Sample 7330: [3.31823533 0.45315764 0.11995154 7.64188526 4.56623451
0.388256
0.92915071 -1.05308805 2.30795072 -7.19694586 -1.07896152 6.11943705
6.24752487 -3.10162313 2.99039934 -3.5183831]

Sample 7331: [3.34159197 0.47853856 0.12647681 7.5565098 4.55882748
0.30346621
0.86188513 -1.13911917 2.31129003 -7.25037059 -1.01500379 6.0977128
6.25975559 -3.15474466 3.01371413 -3.53963441]

Sample 7332: [3.36130325 0.44485717 0.12010856 7.46657153 4.60046991
0.31609372
0.92709151 -1.04576954 2.32983058 -7.21726691 -1.01647319 6.11573384
6.24615024 -3.19467335 3.09261686 -3.58183594]

Sample 7333: [3.33061249 0.49201811 0.11971785 7.47319202 4.56031246
0.31416812
0.85607939 -1.09127318 2.34133894 -7.1609972 -0.9894223 6.13170081
6.22886934 -3.19852945 3.10464631 -3.55041607]

Sample 7334: [3.34882334 0.42517518 0.13859911 7.55621609 4.55318375
0.23420264
0.83786936 -1.08221247 2.33137473 -7.17366474 -0.94435509 6.19692743
6.21775416 -3.18168965 3.10720077 -3.54880964]

Sample 7335: [3.32333043 0.50070104 0.13582897 7.4527878 4.62178564
0.2314066
0.90733652 -1.11693324 2.23928072 -7.10206285 -0.9630998 6.24431303
6.24471629 -3.15938373 3.11805468 -3.4999771]

Sample 7336: [3.30973588 0.45059458 0.14429983 7.47288985 4.64492912
0.2719707
0.91125733 -1.10505872 2.31380705 -7.05139079 -0.94094275 6.22156447
6.21478119 -3.24828708 3.14169959 -3.5151746]

Sample 7337: [3.38124434 0.48812915 0.14300906 7.45376104 4.67464578
0.24014241
0.87972654 -1.11354192 2.27526079 -7.04659904 -0.9376511 6.24200266
6.17284435 -3.26366474 3.10407329 -3.47494271]

Sample 7338: [3.34251151 0.49919946 0.12377415 7.46374273 4.63769052
0.23380486
0.8792187 -1.02345928 2.28920784 -7.15580493 -0.89879293 6.2428017
6.13771017 -3.27589405 3.01013759 -3.45754571]

Sample 7339: [3.45380131 0.50361719 0.11279074 7.5302309 4.63000222
 0.29690404
 0.86398002 -0.95495601 2.27691552 -7.12754159 -0.93574229 6.17065329
 6.16266781 -3.28558457 2.94619968 -3.44635162]
 Sample 7340: [3.52684865 0.52992822 0.11703696 7.50492769 4.59107518
 0.28739991
 0.89661608 -0.99526716 2.26630021 -7.10623324 -0.85204276 6.16663506
 6.12471078 -3.3412044 3.02764887 -3.46153391]
 Sample 7341: [3.48407978 0.43593139 0.1276665 7.44311422 4.60854404
 0.35803409
 0.78787741 -0.97848988 2.29442137 -7.15401519 -0.93834107 6.11714556
 6.16417823 -3.40059711 2.97399163 -3.51902947]
 Sample 7342: [3.48821887 0.4685073 0.12536786 7.4395968 4.63454004
 0.32675031
 0.72190293 -1.03189868 2.22499497 -7.10631086 -0.94712756 6.18341121
 6.13304314 -3.38241752 2.91399719 -3.54655494]
 Sample 7343: [3.43248341 0.45084828 0.13915206 7.4865915 4.68384358
 0.31092758
 0.7791565 -1.0641235 2.19885937 -7.0958368 -0.89064087 6.22448894
 6.05637546 -3.3518751 2.83495278 -3.51082723]
 Sample 7344: [3.33719977 0.44586909 0.14135319 7.49424826 4.677529
 0.35436457
 0.80540294 -1.04601668 2.15077657 -7.15432204 -0.88866965 6.25283499
 6.06059267 -3.46100118 2.87345247 -3.58251559]
 Sample 7345: [3.2982885 0.45830944 0.14794326 7.36335072 4.63706535
 0.37013634
 0.87144339 -1.081888 2.15539446 -7.16951169 -0.82728933 6.32329946
 6.08958975 -3.40370422 2.86169447 -3.57631983]
 Sample 7346: [3.19440806 0.46196948 0.13538883 7.30847962 4.59994499
 0.35319279
 0.84795608 -1.0575073 2.21809901 -7.14405372 -0.76392626 6.34948862
 6.19519399 -3.31070995 2.8546983 -3.62438893]
 Sample 7347: [3.11741829 0.46009722 0.13648251 7.33721301 4.57875279
 0.29142998
 0.88486197 -1.04668959 2.19866386 -7.15444883 -0.63098639 6.49688265
 6.18289058 -3.38896096 2.86288964 -3.6414072]
 Sample 7348: [3.16822519 0.45838361 0.14396433 7.33175897 4.53494082
 0.27082602
 0.86457004 -1.09007865 2.12318762 -7.30639357 -0.63902175 6.51078513
 6.2038364 -3.36798214 2.84720632 -3.64685083]
 Sample 7349: [3.21502619 0.43884493 0.15179637 7.33246945 4.51886223
 0.23499908
 0.8272601 -1.0710941 2.15344811 -7.25676101 -0.70246526 6.48994392
 6.16205183 -3.31794009 2.91659275 -3.65463456]
 Sample 7350: [3.29537351 0.45375145 0.14828739 7.36778844 4.56010043
 0.15912351
 0.80578256 -1.07101012 2.13915296 -7.30547529 -0.78713022 6.57275629
 6.11794395 -3.35804495 2.81492544 -3.68216396]

Sample 7351: [3.34132143 0.41038951 0.1615008 7.41584816 4.55696282
 0.17469386
 0.78960582 -1.13008478 2.16034911 -7.33310946 -0.72059504 6.52505323
 6.08238015 -3.42393358 2.80747131 -3.67967357]
 Sample 7352: [3.35888827 0.44781407 0.1475024 7.43506243 4.55585244
 0.12920016
 0.81257099 -1.12642361 2.21172516 -7.20597536 -0.81397751 6.55006443
 6.02552507 -3.34656404 2.81707275 -3.64932179]
 Sample 7353: [3.35679319 0.43264039 0.15382781 7.4276744 4.50121886
 0.16681626
 0.87025322 -1.14090714 2.29391633 -7.2119431 -0.76621935 6.62428826
 6.04644533 -3.36552802 2.78372834 -3.66332876]
 Sample 7354: [3.30908375 0.47206096 0.12555845 7.49542649 4.49486153
 0.21655377
 0.85068099 -1.09109843 2.29805338 -7.25257366 -0.85946594 6.57713683
 5.99925307 -3.38723278 2.68680782 -3.61924966]
 Sample 7355: [3.28595242 0.45757016 0.14220748 7.48035146 4.49583648
 0.23177624
 0.92652842 -1.0967686 2.23227891 -7.30305146 -0.81974042 6.62215319
 5.99322085 -3.38230411 2.72805071 -3.63627815]
 Sample 7356: [3.26318447 0.4746945 0.13028548 7.44134619 4.54381072
 0.30109908
 0.94465162 -1.10791644 2.30869169 -7.22700477 -0.92044657 6.58590633
 6.00943795 -3.35932219 2.6490701 -3.57478186]
 Sample 7357: [3.28558977 0.44810219 0.13995222 7.55236843 4.50759424
 0.24826066
 0.90056216 -1.16591534 2.2965678 -7.2107763 -0.90917361 6.54357748
 5.97119382 -3.42711959 2.68457495 -3.60408029]
 Sample 7358: [3.23152206 0.45045201 0.15392623 7.52223823 4.53806937
 0.15964691
 0.86487008 -1.25623721 2.21842286 -7.25665477 -0.96609052 6.57251026
 5.9731661 -3.43338157 2.60699081 -3.5594932]
 Sample 7359: [3.14808249 0.43628707 0.16784761 7.69795024 4.62754554
 0.21220637
 0.88348375 -1.31053457 2.09495245 -7.32706711 -0.89821791 6.60648466
 6.01102709 -3.59631585 2.63753973 -3.6089208]
 Sample 7360: [3.14342137 0.45924434 0.14576672 7.65484613 4.66732827
 0.26065946
 0.91287146 -1.22334125 2.08981503 -7.34320901 -0.91877785 6.71249451
 6.108863 -3.61866965 2.58469691 -3.62965673]
 Sample 7361: [3.16170786 0.4704181 0.10885973 7.72292468 4.67024845
 0.23088084
 0.94522554 -1.1540666 2.06403929 -7.37941188 -0.89284259 6.71889443
 6.1600911 -3.61257186 2.64009522 -3.4130799]
 Sample 7362: [3.11842033 0.51069914 0.09716958 7.80313598 4.78580242
 0.33919338
 1.00902855 -1.0893395 2.07612693 -7.41079247 -0.90042005 6.66035073
 6.18318052 -3.63818415 2.59207299 -3.48686521]

Sample 7363: [3.12954024 0.48762646 0.10564039 7.7879542 4.7014079
0.4477875
1.03533784 -1.10036754 2.15018633 -7.42160947 -0.93421498 6.68333139
6.2688255 -3.69675523 2.70909469 -3.56267762]
Sample 7364: [3.13233111 0.49261605 0.10992476 7.74832921 4.81015911
0.54700305
0.9868853 -1.13843263 2.12594095 -7.39621964 -0.99886094 6.7443149
6.26662201 -3.72643691 2.71419155 -3.57853874]
Sample 7365: [3.27550041 0.49150366 0.11759122 7.68417591 4.80075191
0.56349906
0.99468925 -1.1481936 2.10069253 -7.36294683 -1.07990444 6.81041562
6.22144113 -3.79553144 2.66762423 -3.51796952]
Sample 7366: [3.27002758 0.50695595 0.11011126 7.69449311 4.84508588
0.48781743
1.11368096 -1.10007826 2.00605388 -7.28329794 -1.1700072 6.78526905
6.28120204 -3.76469562 2.63805763 -3.59952845]
Sample 7367: [3.24678076 0.51242032 0.10579063 7.67324037 4.86097728
0.47488456
1.06878435 -1.09418475 2.00329827 -7.25520816 -1.10926917 6.81950132
6.34219932 -3.82792514 2.64623155 -3.62147206]
Sample 7368: [3.24693426 0.47543747 0.12930271 7.61423012 4.90633612
0.4865222
1.06129338 -1.19547693 1.9918877 -7.28134079 -1.19955917 6.74361749
6.42147617 -3.80527714 2.68882824 -3.71644453]
Sample 7369: [3.23110104 0.48745833 0.12852969 7.62281808 4.87045052
0.38866732
1.05856907 -1.20071586 2.08665859 -7.31736789 -1.21314186 6.73413412
6.46065092 -3.82472978 2.63655745 -3.72543838]
Sample 7370: [3.26493042 0.46868028 0.12448943 7.5576453 4.87443293
0.40582443
0.96779398 -1.16687128 2.11821578 -7.35217392 -1.19567969 6.73572715
6.39355318 -3.89305106 2.71574357 -3.62177777]
Sample 7371: [3.25615158 0.48773468 0.12648795 7.61458453 4.86517867
0.41897485
1.01650002 -1.18500875 2.05130045 -7.36888401 -1.18776488 6.67215585
6.43308954 -3.89782149 2.76099357 -3.63554558]
Sample 7372: [3.20818539 0.4800747 0.13790425 7.64665577 4.90965321
0.41173899
1.07717535 -1.21910375 2.04204066 -7.27768003 -1.12613092 6.7664491
6.46272201 -3.9394917 2.71877361 -3.64065915]
Sample 7373: [3.18029651 0.47759143 0.15625045 7.72470746 4.89980431
0.4179069
1.03808412 -1.30317115 2.01916452 -7.35066931 -1.06041053 6.77141146
6.4863375 -3.87562933 2.79502846 -3.69348863]
Sample 7374: [3.11088916 0.47542368 0.14604144 7.77277082 4.8104205
0.42865251
1.0256868 -1.25721958 1.961008 -7.29869343 -1.02773536 6.84106085
6.47821789 -3.8637287 2.81252777 -3.64283608]

Sample 7375: [2.9991018 0.49283735 0.14954054 7.78658207 4.81115514
0.40833374
1.04773852 -1.30928284 1.980741 -7.29462006 -0.99323686 6.89178856
6.57851939 -3.80176405 2.87075106 -3.58870844]

Sample 7376: [3.02797832 0.45553778 0.14982034 7.82152012 4.79916516
0.43956305
0.98617441 -1.31250948 1.91981493 -7.25570293 -1.00654041 6.95400354
6.63610336 -3.81595811 2.90473248 -3.60755054]

Sample 7377: [3.07670596 0.49268456 0.13552375 7.82295643 4.83596954
0.44573347
1.03518902 -1.25453252 1.90696711 -7.21681077 -1.0684204 6.88922376
6.66713972 -3.69462607 2.81914818 -3.62108527]

Sample 7378: [3.12421377 0.48565685 0.1303301 7.82260805 4.80442452
0.48238293
1.05030564 -1.26136686 1.92603927 -7.26117381 -1.12745209 6.90454904
6.75058828 -3.68523707 2.81765375 -3.57243134]

Sample 7379: [3.02718776 0.50382955 0.12185858 7.81002622 4.75381289
0.4345872
1.02027845 -1.22506845 1.9397743 -7.22723012 -1.16365713 6.94458888
6.77079896 -3.72113831 2.952685 -3.5422593]

Sample 7380: [3.0453519 0.48159114 0.12959 7.7580033 4.83201516
0.44273736
1.05727692 -1.24107374 2.0161657 -7.18921062 -1.17658919 6.96971752
6.71245886 -3.71172263 3.06152817 -3.53466588]

Sample 7381: [3.0862522 0.49682999 0.13726916 7.76371743 4.85559814
0.49821815
0.99745536 -1.30068321 2.0426342 -7.2554851 -1.15258865 6.95465171
6.75346313 -3.76367868 2.97154663 -3.54146827]

Sample 7382: [3.08561486 0.48676054 0.12565755 7.76079243 4.8306624
0.46084736
1.07254022 -1.24993549 1.95288867 -7.25946305 -1.14898429 7.01290781
6.71467962 -3.79130151 2.837225 -3.48384905]

Sample 7383: [3.11724378 0.49573553 0.15461903 7.69710196 4.92236222
0.46505681
1.03781512 -1.35835912 1.93256696 -7.32119399 -1.09637947 6.97997559
6.62694452 -3.80746981 2.78494932 -3.5444275]

Sample 7384: [3.05596404 0.47723436 0.14176878 7.74412386 4.98034876
0.44534452
1.03403782 -1.30486077 2.0008715 -7.26198508 -1.15593876 6.95739917
6.7056558 -3.85789895 2.83337231 -3.54148382]

Sample 7385: [3.09907777 0.50056352 0.15791254 7.84065424 5.04386311
0.5030842
1.0628206 -1.38330109 1.98818588 -7.26859928 -1.17177567 6.94351198
6.68694848 -3.84539859 2.87364922 -3.56772948]

Sample 7386: [3.18617013 0.48591326 0.14807895 7.77867526 4.96368171
0.4802611
1.11714536 -1.32407279 1.99514541 -7.2338974 -1.28703552 7.02471479
6.63670426 -3.89457261 2.8399876 -3.56107105]

Sample 7387: [3.0777841 0.49703081 0.1596741 7.75891622 4.88638539
 0.49693149
 1.03365494 -1.36899658 2.01974652 -7.19195564 -1.29720469 7.04447271
 6.51942856 -3.92068329 2.88816332 -3.56735321]
 Sample 7388: [3.11709796 0.51065742 0.16876686 7.773885 4.90345065
 0.49450378
 1.01353525 -1.38873873 2.07532633 -7.09103856 -1.20261232 7.1080284
 6.47851055 -3.9356652 2.87703201 -3.54858213]
 Sample 7389: [3.15642498 0.45161863 0.16800661 7.78983413 4.87000148
 0.51480914
 0.94639742 -1.35345874 2.07905801 -7.06270149 -1.21470555 7.15696504
 6.4792167 -3.97413599 2.85090062 -3.54685454]
 Sample 7390: [3.19124158 0.4788631 0.17409884 7.83296693 4.82354595
 0.57267545
 0.94477695 -1.4063799 2.07771164 -6.99239442 -1.17650224 7.21810268
 6.47860536 -3.98572887 2.76403523 -3.44757762]
 Sample 7391: [3.14130882 0.46868967 0.17464273 7.82658392 4.75903365
 0.56017367
 0.98755213 -1.39653676 2.13081776 -7.02445817 -1.21339225 7.19264941
 6.51317566 -3.98653537 2.67086781 -3.51618885]
 Sample 7392: [3.1936547 0.50448287 0.16409893 7.85036049 4.64303299
 0.55779158
 1.00006935 -1.36213825 2.11281869 -7.07243815 -1.24679304 7.17975057
 6.4781602 -3.98725276 2.74347874 -3.44695275]
 Sample 7393: [3.24067739 0.44419727 0.163475 7.93314876 4.72977588
 0.52509389
 0.90565294 -1.34528713 2.14934279 -6.98280274 -1.25995142 7.16129704
 6.43608679 -3.85712191 2.65998474 -3.44176169]
 Sample 7394: [3.30495885 0.47349821 0.15473139 7.97972163 4.67458666
 0.43027836
 0.86529271 -1.31224797 2.13666065 -7.01973251 -1.27260232 7.18149866
 6.44579201 -3.84985166 2.65115122 -3.44080999]
 Sample 7395: [3.35085082 0.43806945 0.14896625 8.05927972 4.68606817
 0.36057547
 0.8223527 -1.26033619 2.20732718 -7.07720218 -1.26251643 7.23398855
 6.47241592 -3.87231373 2.66954046 -3.53131803]
 Sample 7396: [3.30603554 0.43301472 0.13324253 8.05967751 4.60408111
 0.31351965
 0.75175588 -1.1792652 2.32481715 -7.04213488 -1.28343342 7.18050395
 6.50963813 -3.83069282 2.61610828 -3.58930692]
 Sample 7397: [3.33447252 0.43354795 0.14511505 7.99808815 4.60246795
 0.30038968
 0.77327758 -1.2394861 2.27909482 -6.93909969 -1.32040666 7.22236926
 6.49548202 -3.79796759 2.58665709 -3.55332275]
 Sample 7398: [3.27725628 0.45868705 0.14519485 8.04413195 4.66057702
 0.26185073
 0.87457978 -1.24883018 2.2685475 -6.91132773 -1.29484289 7.26794403
 6.54671996 -3.77237936 2.50646195 -3.55052158]

Sample 7399: [3.2318274 0.46595924 0.1319773 8.01047931 4.60804233
0.22032396
0.89031233 -1.20027574 2.29954232 -6.9029059 -1.33882229 7.2290153
6.55168512 -3.82381701 2.57787667 -3.45186629]
Sample 7400: [3.22743148 0.5082008 0.11966318 8.09881572 4.49019369
0.22485292
0.98303518 -1.13940208 2.31822618 -6.92818818 -1.28955542 7.12343617
6.56637392 -3.85383721 2.55706564 -3.44778613]
Sample 7401: [3.25005045 0.48966684 0.12406939 8.11299844 4.52618938
0.23262376
0.97396179 -1.20407331 2.36385568 -6.97272062 -1.2102812 7.07675812
6.63624184 -3.79489386 2.54878498 -3.36356038]
Sample 7402: [3.3760248 0.49849323 0.11818266 8.12845982 4.51460839
0.21078255
0.93051872 -1.18532353 2.37301417 -7.0005993 -1.22852296 7.14890785
6.55094574 -3.83666067 2.53862301 -3.32970859]
Sample 7403: [3.38787682 0.49710229 0.11893857 8.20274265 4.43048099
0.19478228
0.95776802 -1.16843729 2.34581071 -6.9763354 -1.32324134 7.17370055
6.5794246 -3.79372566 2.56315161 -3.34523687]
Sample 7404: [3.31653743 0.53618451 0.12271781 8.18850793 4.36145813
0.1286893
1.04762634 -1.18444765 2.41966283 -6.91310377 -1.25115419 7.14834472
6.56700465 -3.81596364 2.49691174 -3.32768585]
Sample 7405: [3.3443404 0.500372 0.11944979 8.17665527 4.38635537
0.10043843
1.00539434 -1.157415 2.41166191 -6.89273058 -1.24594315 7.18018695
6.57096963 -3.79892262 2.54362652 -3.31208971]
Sample 7406: [3.37150586 0.54306125 0.13226427 8.17665155 4.54478888
0.00818481
1.07413688 -1.19619889 2.38379225 -6.80856832 -1.35363381 7.15524161
6.59180606 -3.85578025 2.50148319 -3.29113343]
Sample 7407: [3.43838299 0.52609649 0.13634156 8.19526253 4.57923754
0.0198309
1.06383719 -1.22097088 2.37012639 -6.86426318 -1.35473589 7.16587277
6.48238724 -3.87079745 2.52930913 -3.27946176]
Sample 7408: [3.42887017e+00 5.42187270e-01 1.22151315e-01 8.23554465e+00
4.51901743e+00 6.83793681e-03 1.07908935e+00 -1.17582096e+00
2.35293070e+00 -6.78234040e+00 -1.45801855e+00 7.07021222e+00
6.53416424e+00 -3.93855441e+00 2.54462571e+00 -3.29562263e+00]
Sample 7409: [3.37282426 0.50087126 0.13589045 8.24563004 4.52598371
0.03157564
1.06346572 -1.25797151 2.46066604 -6.82771124 -1.42620067 7.04148183
6.56132536 -3.95443541 2.50946181 -3.31017617]
Sample 7410: [3.35165478 0.53721682 0.12824227 8.27686519 4.50785935
0.08330993
1.08505619 -1.24145536 2.42999511 -6.7034161 -1.38796002 7.11835548
6.63476765 -3.96312889 2.51694095 -3.36164714]

Sample 7411: [3.33056148 0.53387619 0.1430721 8.2003963 4.46304184
0.12490542
1.21006616 -1.31063196 2.47694102 -6.76215093 -1.34635869 7.1829324
6.63516789 -3.91923006 2.50853294 -3.34204428]

Sample 7412: [3.27569363 0.5698076 0.12258444 8.22656933 4.53527939
0.16802384
1.22292911 -1.26091514 2.51311451 -6.83707081 -1.29968794 7.1580364
6.69042866 -3.92038951 2.52507604 -3.31443685]

Sample 7413: [3.23709636 0.55650707 0.12136965 8.24269758 4.55964332
0.17888538
1.29048738 -1.2432227 2.46927741 -6.87677327 -1.27959588 7.15976014
6.71558317 -3.94789115 2.57235844 -3.32301779]

Sample 7414: [3.26864552 0.60951408 0.13063942 8.19947654 4.56350187
0.21691236
1.38265459 -1.26727966 2.56515133 -6.79769703 -1.22358019 7.09790034
6.66209488 -3.89157916 2.55745543 -3.31063892]

Sample 7415: [3.29004382 0.60747992 0.12089439 8.17323161 4.65267821
0.20129793
1.51087335 -1.19153676 2.56806422 -6.82895921 -1.21287359 7.10441939
6.61687695 -3.94176208 2.57523519 -3.30455474]

Sample 7416: [3.18517996 0.65748335 0.12078683 8.1181885 4.6658694
0.18552138
1.54789975 -1.20769265 2.59947881 -6.84792854 -1.21002422 7.17531423
6.527023 -3.95620473 2.61549692 -3.30118018]

Sample 7417: [3.21818799 0.62538394 0.11936809 8.08239619 4.62014339
0.18753957
1.55110105 -1.16032794 2.67651257 -6.87795737 -1.17016018 7.09446817
6.54005275 -3.95815456 2.62066918 -3.36684546]

Sample 7418: [3.19765982 0.64716432 0.11907916 8.08257408 4.58567954
0.16552938
1.57983398 -1.19530764 2.66212701 -6.8375516 -1.16710528 7.1474992
6.56090844 -3.89876226 2.55907391 -3.38842293]

Sample 7419: [3.15647846 0.62486969 0.13443656 8.16275973 4.54526779
0.12371621
1.5634183 -1.25946102 2.60656703 -6.91800141 -1.18654806 7.14713136
6.50567202 -3.78908142 2.62557074 -3.34951779]

Sample 7420: [3.08575791 0.63780106 0.14150245 8.27255813 4.54539169
0.10148407
1.63029479 -1.27919034 2.52980542 -6.93229771 -1.16127825 7.19350494
6.55560845 -3.74682165 2.67815391 -3.44929121]

Sample 7421: [3.08940429 0.62732312 0.14027658 8.23617408 4.5560631
0.11599811
1.59297336 -1.26889658 2.54245945 -6.88435899 -1.16474269 7.17992789
6.57417415 -3.79000619 2.71153256 -3.42427839]

Sample 7422: [3.01299378 0.63537832 0.12280472 8.2969054 4.61008794
0.08113801
1.57652738 -1.20093736 2.49795201 -6.99790599 -1.15578926 7.1950357
6.54040063 -3.73379539 2.63107293 -3.41680811]

Sample 7423: [3.04437298 0.63385174 0.11294285 8.28124436 4.5174043
0.10833146
1.57120166 -1.16095154 2.54534125 -7.06776101 -1.06345579 7.21110368
6.56329051 -3.65640779 2.61254351 -3.43260155]

Sample 7424: [3.05151422 0.62946546 0.11665224 8.20981318 4.57988598
0.13900583
1.54044504 -1.18461343 2.53296471 -7.05832716 -1.11386605 7.22269398
6.5110949 -3.63665798 2.62702258 -3.42499529]

Sample 7425: [3.00248479 0.62380355 0.11723701 8.1526726 4.54228527
0.12706903
1.50803331 -1.20135715 2.54507257 -7.0284858 -1.07845006 7.21791573
6.50202132 -3.51947052 2.63662825 -3.30311073]

Sample 7426: [3.04050089 0.64299857 0.10148832 8.1396685 4.55658149
0.11381642
1.50394805 -1.16669835 2.53412912 -7.04220663 -1.08873037 7.13496579
6.5719727 -3.41445561 2.67330251 -3.30833053]

Sample 7427: [3.02054619 0.64081601 0.1079319 8.06554081 4.49576859
0.10640617
1.56007611 -1.17479665 2.46226573 -7.03085335 -1.0405202 7.17321884
6.60145254 -3.38781022 2.63253376 -3.26884328]

Sample 7428: [3.05003887 0.6535707 0.11066632 7.98293128 4.58691794
0.06068275
1.58094136 -1.17769424 2.55123685 -7.0273381 -1.13039035 7.20673253
6.55870767 -3.43826267 2.52463907 -3.29791239]

Sample 7429: [3.00305538 0.65911213 0.11015161 7.92701119 4.69145026
0.15151855
1.6191561 -1.14354814 2.59887526 -7.04568964 -1.19827556 7.20110208
6.53732146 -3.40228549 2.57151617 -3.2624633]

Sample 7430: [3.03972812 0.67905568 0.11520379 7.89068612 4.72835744
0.13780323
1.64305389 -1.17144672 2.64021031 -7.03750042 -1.2238768 7.21407759
6.6263601 -3.54331792 2.50453321 -3.22034622]

Sample 7431: [3.04879514 0.68001523 0.12094884 7.82261615 4.8102778
0.15448521
1.6862055 -1.20903207 2.66404557 -7.07624185 -1.24070375 7.23627848
6.67183637 -3.45852581 2.49210527 -3.20647268]

Sample 7432: [3.04671275 0.65827246 0.11687101 7.83164518 4.74039353
0.12762932
1.60530371 -1.21830901 2.69179427 -7.08732102 -1.159189 7.19006914
6.73115116 -3.51402076 2.44164133 -3.14405837]

Sample 7433: [3.05194079 0.67127246 0.1161697 7.83301916 4.81553095
0.13856612
1.63999566 -1.23922549 2.67168316 -7.12110732 -1.04486601 7.29793696
6.69829941 -3.44541688 2.42288594 -3.12574574]

Sample 7434: [3.04647284 0.66339979 0.1125369 7.80694871 4.82211658
0.07478692
1.63046098 -1.23871143 2.67115941 -7.17234698 -1.09440597 7.27407343
6.72846431 -3.41195757 2.33579275 -3.15946116]

Sample 7435: [3.05964785 0.71634791 0.07988192 7.82217887 4.88624362
0.11354717
1.58563348 -1.11678334 2.65311231 -7.13297813 -1.15822893 7.21869518
6.80999593 -3.46172312 2.33923587 -3.02778398]

Sample 7436: [3.13279034 0.66150498 0.10485013 7.77392615 4.89326259
0.16560943
1.60705103 -1.1178226 2.73127017 -7.15460509 -1.08580088 7.27181973
6.81598918 -3.52091039 2.26264433 -3.1022838]

Sample 7437: [3.08091834 0.70959581 0.08942263 7.8459223 4.93024894
0.15609846
1.56647827 -1.09082425 2.66701606 -7.16169472 -1.07158753 7.30405432
6.73444833 -3.49085796 2.19420342 -3.12918772]

Sample 7438: [3.17474055 0.63681192 0.10976755 7.85516744 5.04931034
0.17365316
1.57392953 -1.13350535 2.60779873 -7.24707567 -1.04719815 7.25439187
6.66849548 -3.52560713 2.16716525 -3.21027914]

Sample 7439: [3.14903462 0.69419926 0.09484571 7.82463562 5.06500004
0.18827957
1.542149 -1.10917976 2.66886511 -7.16483918 -1.00056078 7.2305983
6.72312197 -3.50826475 2.09989528 -3.26788032]

Sample 7440: [3.13554169 0.63341793 0.10838709 7.8379963 5.08333586
0.21670601
1.55257472 -1.1476391 2.70128795 -7.16763605 -0.94142154 7.21420427
6.74607122 -3.46818588 2.09835055 -3.19465788]

Sample 7441: [3.12820061 0.67027613 0.0993356 7.88099452 5.09583795
0.2117459
1.48133252 -1.15479992 2.64374429 -7.26247144 -0.97133559 7.27889729
6.77537253 -3.44018072 2.06342171 -3.19880538]

Sample 7442: [3.11167344 0.65000059 0.0973788 7.88914065 5.04547717
0.21431323
1.59797321 -1.12468815 2.64942312 -7.17569633 -1.07120221 7.26035355
6.80050098 -3.45798078 2.03287981 -3.18101733]

Sample 7443: [3.16331465 0.69592059 0.09398896 7.96587743 5.0204532
0.22835106
1.53988343 -1.11063445 2.70057027 -7.12661948 -1.04296708 7.14260894
6.79343019 -3.60159852 1.99985334 -3.16628732]

Sample 7444: [3.15876794 0.6682565 0.10776304 7.95389772 5.04416441
0.20053216
1.57151454 -1.13085602 2.57739741 -7.11764447 -1.0170623 7.12142147
6.80154986 -3.59308381 2.0025096 -3.12344578]

Sample 7445: [3.17393027 0.69460306 0.09909369 7.9312734 4.96444672
0.1917632
1.65873664 -1.1514818 2.57092278 -7.1003942 -1.0256525 7.11663557
6.78856436 -3.62641877 1.8985522 -3.14256912]

Sample 7446: [3.15348881 0.66369103 0.08721633 7.91696059 4.94689192
0.2494459
1.57586174 -1.09879881 2.52223444 -7.10781252 -0.99019478 7.10062417
6.79481223 -3.62928371 1.8588314 -3.18006569]

Sample 7447: [3.20215351 0.70689117 0.09333732 7.86986598 4.96418044
0.22667445
1.56902612 -1.07476 2.53907315 -7.12396067 -0.97974271 7.19073915
6.80857646 -3.66601735 1.88856349 -3.19656593]

Sample 7448: [3.07645188 0.67134436 0.08283355 7.87297144 4.95339077
0.25469637
1.533574 -1.04944545 2.55815686 -7.16138442 -0.97949972 7.14415913
6.83922244 -3.66147175 1.77147976 -3.18882289]

Sample 7449: [3.09358571 0.71750208 0.07480226 7.88744148 5.04918333
0.24409105
1.55738337 -1.03338689 2.57682717 -7.15410541 -0.95919069 7.13658055
6.77967004 -3.63231039 1.73358238 -3.13230482]

Sample 7450: [3.08154523 0.69569049 0.09095876 7.90112335 5.02257095
0.30636214
1.53921097 -1.05018029 2.58067204 -7.22946328 -0.82145814 7.08007411
6.80293393 -3.63726258 1.73807643 -3.10984433]

Sample 7451: [3.07166317 0.66422383 0.10297423 7.8208947 4.89297184
0.29908387
1.56444714 -1.15391578 2.53558101 -7.14104076 -0.85215002 7.0756108
6.77808795 -3.55975128 1.86623574 -3.06804809]

Sample 7452: [3.10500308 0.67668961 0.11097447 7.7873427 4.92438408
0.37055831
1.61114157 -1.19044661 2.48711441 -7.07248182 -0.8750015 7.06362934
6.79160949 -3.57037675 1.95567186 -3.03200206]

Sample 7453: [3.07433126 0.67233031 0.10671371 7.77141277 4.9145703
0.40291744
1.55038193 -1.21694235 2.48413723 -6.99923479 -0.88599807 7.16071214
6.76805973 -3.54914739 1.99039562 -2.96911677]

Sample 7454: [3.11672674 0.68352952 0.12107302 7.76065026 5.02088405
0.30483765
1.52848526 -1.29811396 2.62287982 -6.97828036 -0.88611438 7.14948911
6.7910549 -3.57554767 1.94913113 -2.98028241]

Sample 7455: [3.09314027 0.60940511 0.12445539 7.74733136 4.97990685
0.32722935
1.48905154 -1.32754781 2.69299991 -7.0196805 -0.86252508 7.18182547
6.78879961 -3.51034086 1.9246657 -2.93548267]

Sample 7456: [3.09861034 0.68551021 0.11994768 7.63766826 4.86939006
0.28854418
1.52678232 -1.32497126 2.64129299 -7.03149891 -0.97955 7.16676431
6.73992834 -3.55790624 1.84344766 -2.97275411]

Sample 7457: [3.04808957 0.61787037 0.13663096 7.76000143 4.90059666
0.28534673
1.56357621 -1.35641719 2.6321205 -7.05687049 -0.98968581 7.16956126
6.6972598 -3.59333668 1.84293927 -2.98090267]

Sample 7458: [3.1288721 0.66912529 0.1322452 7.86788137 4.85575649
0.19250823
1.49482111 -1.38412943 2.52776104 -7.12430965 -0.91959781 7.04344478
6.70940343 -3.58005831 1.76956263 -3.01962957]

Sample 7459: [3.23086877 0.59707995 0.14435205 7.96465044 4.87719622
0.19641986
1.51771443 -1.38972763 2.53136823 -7.1000275 -1.02978869 7.0130751
6.69031294 -3.55759368 1.83575544 -3.02395946]
Sample 7460: [3.1722949 0.67267165 0.12704097 7.94053347 4.84501679
0.18291705
1.45300396 -1.32659138 2.59001137 -7.13914815 -0.96729534 6.99187739
6.65639141 -3.5734738 1.87738339 -2.91949638]
Sample 7461: [3.15178629 0.60504969 0.13703538 7.91208239 4.82714929
0.14079299
1.44327411 -1.3629975 2.59148211 -7.12524286 -0.91088136 7.01286016
6.6884509 -3.5619214 1.93618207 -2.91860733]
Sample 7462: [3.18784932 0.66138165 0.14751674 7.9372828 4.80924169
0.19399168
1.53555055 -1.41571181 2.55664071 -7.09584364 -0.8837722 7.00218054
6.77659515 -3.63231376 1.92954321 -2.94144461]
Sample 7463: [3.16422915 0.64703346 0.15312181 7.89177555 4.80542722
0.11452409
1.58035912 -1.4274024 2.49655904 -7.19853455 -0.87749365 7.01611814
6.79005663 -3.67833544 1.9067818 -2.89659398]
Sample 7464: [3.12082184 0.65994754 0.14749749 7.88172006 4.64981052
0.09906317
1.57688864 -1.42557629 2.47485598 -7.21609208 -0.85964626 6.95503624
6.7890182 -3.64875076 1.82240124 -2.89228731]
Sample 7465: [3.13856307 0.67022888 0.15122618 7.86229374 4.69111082
0.04944449
1.62508998 -1.37824124 2.51693871 -7.21801507 -0.93174267 6.95492458
6.74725915 -3.71499652 1.90670632 -2.83103715]
Sample 7466: [3.08621203 0.66649236 0.14323798 7.89416056 4.70647089
0.16352558
1.61380948 -1.34973296 2.509192 -7.22396607 -0.9013295 6.94240693
6.64496684 -3.64703431 1.97700401 -2.8434633]
Sample 7467: [3.11423643 0.68733637 0.14313245 7.88438374 4.71860073
0.16911343
1.67606875 -1.3348027 2.51927714 -7.18250891 -1.00201596 6.91941772
6.66962213 -3.70106208 1.96677019 -2.90588663]
Sample 7468: [3.0014297 0.69904314 0.13000961 7.87301665 4.66696765
0.21561153
1.75822074 -1.30619514 2.58013636 -7.11747409 -1.07015973 6.86910041
6.6812724 -3.73295521 1.96184646 -2.84057684]
Sample 7469: [2.99817554 0.71584395 0.11764028 7.83462885 4.70200041
0.16886624
1.70370086 -1.26793099 2.61294399 -7.14964885 -1.05170104 6.8399134
6.85227258 -3.78000198 1.89292737 -2.82624444]
Sample 7470: [2.97983186 0.70506967 0.10463487 7.86112133 4.71792758
0.2142576
1.78290314 -1.24584027 2.55580356 -7.19136171 -1.07254447 6.8931987
6.83307224 -3.75086192 1.9771849 -2.79792065]

Sample 7471: [3.04289111 0.73988281 0.11545196 7.86060758 4.69996792
0.19263303
1.79020283 -1.32420919 2.53401798 -7.14897546 -1.17265879 6.92714894
6.80263587 -3.69791139 2.03528261 -2.89905216]

Sample 7472: [3.0513445 0.68774289 0.11475986 7.81971938 4.69396138
0.15931389
1.78213515 -1.27915678 2.58624167 -7.20098898 -1.19126558 6.99960199
6.86555782 -3.64625611 2.06453645 -2.84889085]

Sample 7473: [2.98338119 0.75121984 0.11706959 7.86149254 4.6553814
0.13712132
1.81862567 -1.29192889 2.57696776 -7.19379529 -1.18457129 6.94435851
6.89860173 -3.5438999 2.0094847 -2.87943562]

Sample 7474: [2.98338119 0.75121984 0.11706959 7.86149254 4.6553814
0.13712132
1.81862567 -1.29192889 2.57696776 -7.19379529 -1.18457129 6.94435851
6.89860173 -3.5438999 2.0094847 -2.87943562]

Sample 7475: [2.99851978 0.75432156 0.09039594 7.87705316 4.62345437
0.13947818
1.80686255 -1.1557286 2.63197478 -7.10269228 -1.08947601 6.99649981
6.93359616 -3.56343956 2.16403936 -2.8439242]

Sample 7476: [3.05995029 0.7341351 0.09291331 7.90454313 4.58514843
0.15080058
1.84760561 -1.18945829 2.6661504 -7.13623367 -1.107179 6.92664806
6.90646889 -3.62101846 2.18950485 -2.81182662]

Sample 7477: [3.07829392 0.73008968 0.07836785 7.94856692 4.58067427
0.16677029
1.75917719 -1.18956356 2.68228234 -7.12862461 -1.17657567 6.8937219
6.94578749 -3.67325491 2.18643775 -2.92922055]

Sample 7478: [3.06585598 0.70506388 0.09432443 8.00041066 4.61793949
0.09988967
1.72675492 -1.17653355 2.60864271 -7.28273465 -1.18797351 6.7963138
7.01701045 -3.59930534 2.20330239 -2.9253081]

Sample 7479: [3.07117161 0.77500954 0.10063914 8.01021412 4.61110304
0.17063876
1.75920679 -1.26669657 2.59307186 -7.26676992 -1.35571292 6.8489199
7.07878907 -3.62849243 2.09476961 -2.90239297]

Sample 7480: [3.0019954 0.89178004 0.10682838 7.99022884 4.60336541
0.11024481
1.84881715 -1.2262347 2.55542105 -7.19249932 -1.32338258 6.88790285
7.0678322 -3.72805429 2.01873185 -2.88172748]

Sample 7481: [3.02941184 0.8269039 0.09833901 7.92628807 4.61474936
0.11167743
1.82845169 -1.20306637 2.5537119 -7.21918138 -1.28669915 6.78876828
7.02245045 -3.78156554 2.06353599 -3.00354975]

Sample 7482: [2.98454318 0.72721109 0.11578999 7.90424329 4.52700407
0.16910291
1.79570081 -1.26311908 2.51189367 -7.22838078 -1.34551685 6.83148006
6.98094202 -3.83822628 2.04793142 -3.03896477]

Sample 7483: [2.95826198 0.70391856 0.10777392 7.90338366 4.46842371
0.12354623
1.85554677 -1.22307499 2.42764618 -7.22566308 -1.33226684 6.79300119
7.04551001 -3.85806952 2.0831446 -3.0306687]

Sample 7484: [2.87602213 0.75367222 0.10409418 7.90242111 4.50064826
0.1142215
1.82677069 -1.25324139 2.37190017 -7.24057487 -1.37851644 6.87529673
7.03811024 -3.85852229 2.04367157 -3.03663062]

Sample 7485: [2.84397361 0.68902375 0.10265647 7.90940115 4.45010591
0.0605188
1.84149183 -1.19570382 2.34278297 -7.25168611 -1.41831945 6.89065915
7.05803784 -3.83381844 2.03499272 -3.13451024]

Sample 7486: [2.91301377 0.74034419 0.12514123 7.82210364 4.40310699
0.0821335
1.81474036 -1.28716874 2.40668371 -7.30961726 -1.54254396 6.95871029
7.09275786 -3.82833358 2.02499224 -3.08793617]

Sample 7487: [2.94898411 0.68837191 0.1178888 7.7417791 4.43166136
0.04988479
1.84803831 -1.25468845 2.45837969 -7.26861212 -1.49350367 6.99247175
7.03404666 -3.84150517 2.0094425 -3.08049906]

Sample 7488: [3.03949145 0.75309095 0.10494301 7.80625936 4.40571025
0.06576189
1.80905572 -1.21561618 2.46604276 -7.27776921 -1.53167021 6.96632349
7.00304326 -3.86193581 2.02135903 -3.07103123]

Sample 7489: [3.06444982 0.70983035 0.09411338 7.75937676 4.41060831
0.03958817
1.79570082 -1.15067781 2.47147959 -7.32721554 -1.45030323 7.03023893
7.01542843 -3.83767569 1.96987057 -3.08058209]

Sample 7490: [3.05466462 0.71820761 0.09806031 7.79551818 4.41056109
-0.01215224
1.74935983 -1.17135954 2.4624725 -7.34426927 -1.4475699 7.0579642
6.9684364 -3.88806602 1.95090785 -3.12547797]

Sample 7491: [3.02377864 0.77118067 0.07863184 7.78474888 4.42245566
-0.03968873
1.78844821 -1.04117407 2.51541444 -7.30281937 -1.38073097 7.0533223
6.96926083 -3.89000828 2.03465635 -3.10140363]

Sample 7492: [2.93722017 0.72465722 0.09457614 7.84562031 4.47350557
-0.07806372
1.80147887 -1.12282793 2.55616586 -7.21285238 -1.40581254 6.98305954
6.94788281 -3.94467791 1.96934751 -3.14852305]

Sample 7493: [2.94452136 0.76234814 0.09516259 7.84154165 4.37109909
-0.14451276
1.73524435 -1.12239182 2.64052677 -7.16657934 -1.44559106 6.97836406
6.93021042 -3.95674026 1.8645688 -3.15135854]

Sample 7494: [2.89712832 0.68945163 0.09602536 7.85471525 4.31318769
-0.03101422
1.71852788 -1.18218619 2.66439132 -7.13160964 -1.43784723 7.05572921
6.975238 -4.0112475 1.85378569 -3.14071479]

Sample 7495: [2.89309335 0.70214123 0.10205671 7.84335076 4.31294371
-0.00848096
1.71078753 -1.18766834 2.64369584 -7.20058039 -1.40655859 7.08602341
7.01103775 -4.00505292 1.92720928 -3.07597005]

Sample 7496: [2.84540143e+00 6.96919570e-01 1.07737594e-01 7.90595787e+00
4.28990914e+00 2.16789017e-03 1.71946661e+00 -1.19998380e+00
2.63480144e+00 -7.21812376e+00 -1.43842679e+00 7.05252452e+00
7.00868707e+00 -4.06199628e+00 1.97388311e+00 -3.06540222e+00]

Sample 7497: [2.84103846 0.71695757 0.11255882 7.91450006 4.32949586
-0.03606251
1.76608587 -1.2241753 2.58394853 -7.21110452 -1.45452201 7.02408401
6.93348289 -4.05362542 1.91234572 -3.06896717]

Sample 7498: [2.93230518 0.69854192 0.13703434 7.9820805 4.24651836
-0.0404716
1.83202776 -1.31391373 2.53905915 -7.22947143 -1.43321504 6.99782416
6.94985126 -3.95423867 1.90941957 -3.02869586]

Sample 7499: [2.97063148 0.71126423 0.12047849 7.95242933 4.2468442
0.01497358
1.76836175 -1.25635681 2.6531978 -7.29660468 -1.45621412 6.90121449
6.94503016 -3.96082373 2.0285206 -3.05830449]

Sample 7500: [3.01424761 0.73874795 0.110275 7.98806497 4.1799507
0.13288658
1.78639614 -1.24146067 2.59555605 -7.30472531 -1.45157946 6.92715569
6.9654587 -3.99082994 2.03929615 -3.00806453]

Sample 7501: [2.93963996 0.69873478 0.10373297 8.01279601 4.22552204
0.09375296
1.70952811 -1.25650389 2.58747284 -7.29950145 -1.28935635 6.93659937
6.95958609 -3.95831979 2.05608765 -2.98792376]

Sample 7502: [2.86636132 0.67742284 0.13543753 7.99755492 4.18315549
0.07652122
1.75992475 -1.35649545 2.58974457 -7.30243685 -1.20570307 6.90686093
6.9492247 -3.94233906 2.02523543 -3.06100435]

Sample 7503: [2.85796086 0.68526092 0.13989907 8.02654339 4.18275757
0.16245087
1.70512293 -1.33521672 2.60289152 -7.30397454 -1.17474593 6.9012539
7.01158308 -3.90540558 2.0038322 -3.05615134]

Sample 7504: [2.83990526 0.66999765 0.13742553 8.02342728 4.22922425
0.15417366
1.67962314 -1.32581167 2.64866305 -7.33343082 -1.22092633 6.84826049
6.95596394 -3.92003507 1.97171061 -2.94356349]

Sample 7505: [2.85952299 0.68830074 0.12405452 8.07285586 4.17715935
0.11642643
1.67325247 -1.27529731 2.73012322 -7.32184063 -1.34939871 6.91488213
6.87214345 -3.9429154 1.99342406 -2.96450903]

Sample 7506: [3.00597384 0.69137972 0.11841133 8.13621288 4.22859037
0.17823948
1.7199044 -1.28852845 2.70022562 -7.27189945 -1.41761934 6.91852759
6.88715188 -3.99583362 1.92296771 -2.93499814]

Sample 7507: [3.03125481 0.6985251 0.10154461 8.16888859 4.2698661
 0.0986004
 1.68748734 -1.20929524 2.74540616 -7.23710191 -1.35478748 6.89116981
 6.78635138 -4.0800696 2.01691865 -2.89914572]
 Sample 7508: [3.10093351 0.69312642 0.1023333 8.15298651 4.24646725
 0.08746263
 1.65479398 -1.18448854 2.78379877 -7.26871064 -1.45320929 6.88948645
 6.77098127 -4.05111063 2.03072652 -2.88268901]
 Sample 7509: [3.0427794 0.69300859 0.1091959 8.12068041 4.25550579
 0.1331958
 1.68879093 -1.21039912 2.80001923 -7.21829436 -1.3855375 6.91157051
 6.79043695 -4.04678456 1.95550364 -2.94772282]
 Sample 7510: [3.01583806 0.71198974 0.09727769 8.11506408 4.3040057
 0.15333849
 1.61848456 -1.13682132 2.83411802 -7.28159968 -1.42946827 6.91353752
 6.74127574 -4.08094948 1.97425916 -2.95329753]
 Sample 7511: [3.04849232 0.68403962 0.09405671 8.08051685 4.27326484
 0.18287832
 1.59598609 -1.14914963 2.75406838 -7.27285232 -1.38186598 6.8951036
 6.77851033 -4.09082083 1.90941575 -3.02136475]
 Sample 7512: [3.0281236 0.72111329 0.09235179 8.0917853 4.27357204
 0.19516308
 1.6425564 -1.15218928 2.74428211 -7.30916544 -1.35698215 6.88880887
 6.70761257 -4.10997995 1.97246335 -3.01569442]
 Sample 7513: [2.99075266 0.726315 0.0998693 8.15042002 4.26056165
 0.18344946
 1.66446972 -1.12837294 2.65100928 -7.33060671 -1.36265864 6.89977826
 6.69327615 -4.05740745 2.10163421 -3.01892212]
 Sample 7514: [2.87730682 0.70943374 0.09376571 8.09294144 4.2491626
 0.15871271
 1.70488232 -1.09618259 2.69284897 -7.4110649 -1.41035076 6.83866984
 6.67214631 -4.05830443 2.1451826 -2.94157288]
 Sample 7515: [2.80931796 0.71150435 0.09969611 8.12263046 4.20559194
 0.06471522
 1.59545734 -1.14507914 2.66278472 -7.45899973 -1.41340475 6.86695184
 6.68938765 -4.12107775 2.19808468 -2.99595909]
 Sample 7516: [2.83381694 0.70346309 0.09746578 8.14895164 4.25006941
 0.03483766
 1.68841021 -1.18560819 2.65383033 -7.48133267 -1.4738281 6.86259272
 6.7729773 -4.09285128 2.16291572 -3.01495477]
 Sample 7517: [2.83884538e+00 7.03441572e-01 9.12819170e-02 8.19399353e+00
 4.24696197e+00 7.98764230e-03 1.66977129e+00 -1.15775001e+00
 2.69377075e+00 -7.53038834e+00 -1.42410841e+00 6.88312335e+00
 6.78623031e+00 -4.12555836e+00 2.15266510e+00 -3.04680058e+00]
 Sample 7518: [2.86566374 0.70325081 0.09620566 8.21523894 4.25838467
 0.08966775
 1.69692638 -1.12752557 2.67487728 -7.40155526 -1.42382893 6.87310217
 6.6955287 -4.11396581 2.18175363 -3.10539756]

Sample 7519: [2.90103739 0.71362518 0.09420373 8.22047012 4.2158758
0.08797031
1.77149026 -1.15574864 2.66756984 -7.40188122 -1.40043309 6.82277885
6.64612312 -4.06939863 2.13167244 -3.1161101]
Sample 7520: [2.82994086 0.69287092 0.11601243 8.24642471 4.23205774
0.10344752
1.81113723 -1.24153134 2.71332457 -7.46683159 -1.44408692 6.79254928
6.65375439 -4.03461697 2.07584111 -3.09385508]
Sample 7521: [2.85947144 0.71418454 0.10923132 8.28393438 4.23408051
0.12388926
1.77212722 -1.20976631 2.71592965 -7.45902616 -1.50103934 6.78464824
6.66446258 -4.04594014 2.11307176 -3.10774526]
Sample 7522: [2.81921704 0.71485631 0.11160351 8.33703382 4.25686039
0.09892126
1.77978177 -1.18610654 2.77525723 -7.49102037 -1.49116884 6.68416426
6.62855595 -4.04010015 2.08969195 -3.10537134]
Sample 7523: [2.80153481 0.69926781 0.11051206 8.38264357 4.25963032
0.15444319
1.80002375 -1.16820211 2.83286836 -7.52773827 -1.56452892 6.62567461
6.68622659 -4.05998971 2.1197195 -3.12231499]
Sample 7524: [2.74262003 0.71422113 0.11007755 8.43826066 4.27739288
0.2038913
1.79627083 -1.18201231 2.83690637 -7.48992835 -1.63731838 6.59782873
6.76001741 -4.0086448 2.09315868 -3.1671892]
Sample 7525: [2.79452993 0.75432218 0.10041278 8.43684139 4.24752218
0.16244262
1.87154028 -1.1874801 2.85449276 -7.50433165 -1.74932967 6.52197515
6.73295051 -3.9830755 2.17281755 -3.10348512]
Sample 7526: [2.77076439 0.72856826 0.11717486 8.527053 4.24832547
0.05748819
1.8641287 -1.25011652 2.8692551 -7.46466949 -1.758181 6.53772323
6.71319777 -4.00807883 2.16314151 -3.12639416]
Sample 7527: [2.78137218 0.69004019 0.13398784 8.56366627 4.25607242
0.06934379
1.88984027 -1.32698736 2.91407305 -7.58708469 -1.80339578 6.49408699
6.67950074 -4.10721931 2.16589222 -3.12704469]
Sample 7528: [2.75832984 0.69442285 0.14393504 8.56379975 4.2497418
0.09288579
1.79754598 -1.36400715 2.9590511 -7.57905002 -1.73359471 6.43751929
6.66600467 -4.09388668 2.09108625 -3.16378911]
Sample 7529: [2.74909235 0.6671712 0.12568654 8.6051848 4.26210847
0.12001295
1.77832089 -1.24347588 3.03008039 -7.49910902 -1.75854283 6.53672505
6.65193963 -4.12001575 2.09157182 -3.20493249]
Sample 7530: [2.76378343 0.70876539 0.14454702 8.61538502 4.11295006
0.10764912
1.69567875 -1.32541207 2.985233 -7.46585343 -1.70919649 6.56775327
6.57152822 -4.11034198 2.06939647 -3.24450824]

Sample 7531: [2.83773623 0.62890859 0.14299661 8.52869974 4.12959591
0.10862077
1.74148873 -1.34722001 3.00554598 -7.43968388 -1.80082693 6.54986861
6.65269313 -4.16426304 2.09910932 -3.1181452]
Sample 7532: [2.77607339 0.71813679 0.13674994 8.52879961 4.21950556
0.13070785
1.71663105 -1.31409812 3.04105908 -7.45649103 -1.77152554 6.5897155
6.59299934 -4.11125592 2.09970103 -3.18599997]
Sample 7533: [2.74697191 0.62772295 0.14274818 8.57647416 4.22430135
0.14160854
1.76474351 -1.29534938 3.09943436 -7.54694906 -1.7103559 6.55141832
6.52677131 -4.283962 2.14842151 -3.25571406]
Sample 7534: [2.71938177 0.70311763 0.13962811 8.70679302 4.31886406
0.16622967
1.6640622 -1.32945902 3.1029511 -7.50343771 -1.76892742 6.54651621
6.54555399 -4.21687231 2.13127853 -3.20319818]
Sample 7535: [2.75313383 0.62069514 0.13647814 8.67978509 4.26938465
0.09961396
1.61878732 -1.30379595 3.11555017 -7.49647479 -1.76067378 6.50552524
6.58200909 -4.1553442 2.14564024 -3.14996513]
Sample 7536: [2.73637515 0.68257163 0.10795703 8.57232935 4.22398324
0.15648181
1.59963244 -1.16501161 3.12388126 -7.52930389 -1.76318739 6.55938234
6.59197587 -4.09019148 2.14511029 -3.10867349]
Sample 7537: [2.73570154 0.64974401 0.11909087 8.57198506 4.18873307
0.15616946
1.66823279 -1.17518456 3.09237408 -7.48887118 -1.67688555 6.5688254
6.51057089 -3.99084069 2.14124887 -3.12986988]
Sample 7538: [2.73309333 0.69658721 0.11295876 8.58727326 4.16980923
0.19953122
1.6722199 -1.15762322 3.05793359 -7.52323864 -1.70487253 6.46619235
6.4994257 -4.04626636 2.10103302 -3.16136243]
Sample 7539: [2.71182256 0.65444998 0.11218325 8.57061962 4.19235898
0.25151268
1.70088197 -1.16226776 3.07315865 -7.52383518 -1.67070419 6.48941341
6.54751271 -4.01766858 2.07487223 -3.16046565]
Sample 7540: [2.66710345 0.70059962 0.10536747 8.54119926 4.26330846
0.2706337
1.67333319 -1.12262265 3.05782815 -7.54402536 -1.68771545 6.48487205
6.53691055 -3.99602861 1.95409332 -3.21276128]
Sample 7541: [2.70853223 0.66494833 0.1190984 8.52437064 4.28379938
0.21938792
1.71645709 -1.14508248 3.06909419 -7.56608854 -1.69974577 6.40387362
6.56151222 -3.97589811 2.00410505 -3.29074363]
Sample 7542: [2.68187833 0.68725285 0.12109701 8.52186281 4.30327018
0.16991331
1.77984802 -1.21424682 3.11648194 -7.56123742 -1.68932684 6.42078973
6.59018934 -3.99217888 1.97293779 -3.2944807]

Sample 7543: [2.83309503 0.6839922 0.1176428 8.59834037 4.24214968
0.15330407
1.85417347 -1.1871148 3.0656184 -7.55394576 -1.73419011 6.41697055
6.55595832 -4.03875956 1.9202629 -3.32657711]
Sample 7544: [2.85738668 0.72749057 0.11681246 8.49887711 4.23164024
0.14344599
1.91152278 -1.17940206 3.18012553 -7.56353456 -1.79175341 6.37246406
6.46849464 -3.9284977 1.87851302 -3.28782063]
Sample 7545: [2.90149134 0.71414512 0.10363076 8.52126949 4.13862516
0.29412695
1.93538477 -1.12208876 3.23978697 -7.63372051 -1.77628973 6.47495881
6.47666369 -3.9150189 1.78483202 -3.23103366]
Sample 7546: [2.88067371 0.70662096 0.11888164 8.50865896 4.18753352
0.35220306
1.81409511 -1.20495917 3.22443312 -7.57890425 -1.79103352 6.4206863
6.40068398 -3.94489022 1.73645337 -3.27700357]
Sample 7547: [2.85440816 0.68217804 0.12620011 8.54643798 4.24674199
0.31531018
1.84032417 -1.22461631 3.15486106 -7.59462051 -1.7656185 6.43353642
6.44364797 -3.95835027 1.69581584 -3.2796274]
Sample 7548: [2.87755981 0.71893264 0.14393585 8.59818655 4.23530672
0.32883797
1.9115584 -1.30529588 3.14675833 -7.60862888 -1.86926643 6.47360758
6.53572208 -4.0088338 1.70214254 -3.30597215]
Sample 7549: [2.76701666 0.70792505 0.1461486 8.68356713 4.23325787
0.35065453
1.9030108 -1.29987815 3.18606088 -7.65430384 -1.78712053 6.41108056
6.54933187 -3.92155003 1.71860419 -3.24803728]
Sample 7550: [2.70401587 0.70034937 0.14531842 8.7815601 4.28109571
0.25961393
1.96525863 -1.31196709 3.28143609 -7.63459239 -1.89607983 6.31040318
6.61675867 -3.88657672 1.77047098 -3.30338472]
Sample 7551: [2.72288965 0.71960934 0.13138865 8.77601401 4.24404919
0.20229521
1.9404554 -1.24877658 3.21772482 -7.56469795 -1.85103714 6.36741382
6.68117539 -3.86744647 1.75123183 -3.34501354]
Sample 7552: [2.72767439 0.67759704 0.13535264 8.8004341 4.22395411
0.12359076
1.85081069 -1.23063154 3.19411829 -7.53403227 -1.79022236 6.30684577
6.70265256 -3.91295026 1.78376079 -3.3121309]
Sample 7553: [2.72650493 0.72539129 0.11760663 8.80139322 4.17842415
0.12651645
1.85562164 -1.16614847 3.21532276 -7.56833315 -1.75356385 6.31726885
6.70915818 -3.91890864 1.83978594 -3.25976262]
Sample 7554: [2.72242506 0.69112502 0.12995138 8.87155245 4.19058641
0.09464969
1.87194305 -1.21629881 3.19639675 -7.62436484 -1.67084065 6.32656409
6.64450727 -3.91349105 1.75855569 -3.2926156]

Sample 7555: [2.74711714 0.70044748 0.12985329 8.87381165 4.21307534
0.16036297
1.87557261 -1.2512238 3.25540893 -7.66188276 -1.63910653 6.32768504
6.59502787 -3.89089915 1.7223822 -3.28167934]

Sample 7556: [2.77220929 0.66308223 0.14514118 8.84325523 4.30873224
0.21195804
1.80689295 -1.30961854 3.22030274 -7.58716937 -1.58942958 6.26150803
6.53319656 -3.9447864 1.74452554 -3.29900087]

Sample 7557: [2.7555585 0.67064311 0.16702722 8.84633028 4.21782038
0.13939281
1.77921408 -1.40158602 3.32525303 -7.59804829 -1.5578268 6.31543202
6.50823356 -3.9696908 1.79992736 -3.31259334]

Sample 7558: [2.77414293 0.62984622 0.18393704 8.91960753 4.26688938
0.15977215
1.73227381 -1.45387086 3.36260919 -7.5469434 -1.54490003 6.28603407
6.45380498 -3.93386944 1.87968829 -3.39242624]

Sample 7559: [2.77725051 0.63272936 0.18856467 8.88245336 4.25104759
0.09037763
1.67205422 -1.46906051 3.44704428 -7.53219038 -1.56829372 6.36572909
6.4254958 -3.91367102 1.86634413 -3.46712725]

Sample 7560: [2.75863825 0.61844141 0.17747718 8.80985455 4.33618573
0.13952947
1.73081258 -1.43435874 3.50642563 -7.47687324 -1.56347559 6.40721481
6.45221329 -3.90611004 1.87519051 -3.55178219]

Sample 7561: [2.66982005 0.658156 0.16739162 8.79055891 4.28689256
0.06372101
1.80063229 -1.38176271 3.46936853 -7.44361726 -1.58252708 6.3832867
6.48557615 -3.92490948 1.89662248 -3.57232166]

Sample 7562: [2.59112485 0.64473774 0.16719325 8.77525832 4.27357492
0.11974032
1.84791797 -1.35184881 3.56360637 -7.41102195 -1.55512244 6.35803751
6.47199363 -3.89108566 1.91493188 -3.63043732]

Sample 7563: [2.59564295 0.66317001 0.15121003 8.83074319 4.25080699
0.18730358
1.81369407 -1.2840919 3.55475357 -7.388306 -1.54188403 6.39309752
6.45493821 -3.90978318 1.88740871 -3.57993236]

Sample 7564: [2.55605313 0.63158667 0.14968161 8.87678589 4.21430937
0.17955423
1.74020474 -1.27472698 3.47762729 -7.35705206 -1.44624134 6.36832282
6.4487816 -3.88680403 1.85154056 -3.52450307]

Sample 7565: [2.54821924 0.63493147 0.15953032 8.86987405 4.15647929
0.18873114
1.69263833 -1.32694253 3.47847415 -7.40965818 -1.43838788 6.4013242
6.44312482 -3.80433487 1.79902273 -3.53842765]

Sample 7566: [2.51882 0.63748364 0.17057622 8.84037578 4.14755088
0.23707388
1.67321322 -1.35563591 3.5540182 -7.42702611 -1.45574534 6.4983854
6.41028849 -3.75402069 1.78959252 -3.5377929]

Sample 7567: [2.43547796 0.59877812 0.18361837 8.88267059 4.16225351
0.2779796
1.61172976 -1.40607351 3.57761936 -7.45935995 -1.47437164 6.62488348
6.37107359 -3.76691434 1.78058688 -3.46315747]
Sample 7568: [2.39730186 0.63009623 0.19409698 8.88165955 4.23019811
0.25623426
1.57478433 -1.481711 3.61443158 -7.39478647 -1.48995304 6.70726526
6.39196747 -3.71097788 1.70019012 -3.33814039]
Sample 7569: [2.36362097 0.58236322 0.19058795 8.90623886 4.21093889
0.18645713
1.49840339 -1.47635008 3.67543149 -7.39258991 -1.44910936 6.66946924
6.45524146 -3.70142 1.65062984 -3.29695798]
Sample 7570: [2.36970222 0.61346527 0.19223948 8.96945326 4.26693052
0.12382624
1.48474536 -1.49233299 3.75687729 -7.43314875 -1.35304334 6.60372531
6.38926216 -3.72323558 1.70998557 -3.31111619]
Sample 7571: [2.37964598 0.57437189 0.18488932 8.92545615 4.16017185
0.06826611
1.46386409 -1.45685101 3.63216041 -7.42860245 -1.33780374 6.60666145
6.41094928 -3.70396755 1.66978841 -3.30259739]
Sample 7572: [2.387182 0.60326959 0.17517894 9.03340313 4.22952107
0.04224227
1.41642616 -1.44435128 3.69276944 -7.44117176 -1.38347404 6.62599816
6.50576471 -3.72193824 1.64924356 -3.2272127]
Sample 7573: [2.38574219 0.5736084 0.15152387 9.03788309 4.15804303
0.00970685
1.37566919 -1.32480333 3.70984004 -7.47809175 -1.40003966 6.52495449
6.41869129 -3.68154256 1.75016435 -3.18834698]
Sample 7574: [2.36832365 0.60015344 0.14104396 9.06055099 4.08674744
0.0353218
1.41195165 -1.28595046 3.76943514 -7.54989865 -1.54224799 6.58584678
6.47313992 -3.78799182 1.75468347 -3.217758]
Sample 7575: [2.37640435 0.59759807 0.14107155 9.14081669 4.08126636
0.10055685
1.41101595 -1.29223428 3.76214849 -7.55074831 -1.54966184 6.57355906
6.44304842 -3.79737975 1.70018165 -3.21364787]
Sample 7576: [2.31513138 0.5641957 0.14789751 9.1047886 4.11098104
0.15473794
1.32802896 -1.31699533 3.69297451 -7.69272243 -1.63210056 6.48195054
6.51259902 -3.79962405 1.64221645 -3.17868503]
Sample 7577: [2.34677714 0.56763668 0.15475881 9.16657743 4.10526784
0.13094817
1.2845802 -1.35639226 3.64900204 -7.58959175 -1.66507342 6.49736794
6.50461075 -3.81789636 1.70229961 -3.20080011]
Sample 7578: [2.32642263 0.55571033 0.14961416 9.18053194 4.18454123
0.13797316
1.31730981 -1.32881437 3.53667991 -7.60756378 -1.61672981 6.41496731
6.51696752 -3.76383645 1.6664392 -3.18588087]

Sample 7579: [2.27329515 0.58942912 0.13193613 9.20184427 4.21812162
0.12338674
1.32623619 -1.239722 3.47858547 -7.61993386 -1.63702625 6.41325181
6.54219918 -3.76352964 1.69754747 -3.21448491]

Sample 7580: [2.24389759 0.55085081 0.13217121 9.11761795 4.19439661
0.10829841
1.27626711 -1.23576551 3.52302352 -7.66171775 -1.61945603 6.4310707
6.60337788 -3.76993756 1.67623362 -3.2344086]

Sample 7581: [2.20439207 0.59884548 0.11773998 9.09293686 4.21900938
0.14117496
1.28847402 -1.14849391 3.50264279 -7.59161651 -1.62679423 6.40517818
6.56117957 -3.77125404 1.70353282 -3.2980871]

Sample 7582: [2.20499856 0.5746027 0.11870362 9.0841668 4.1777148
0.1260314
1.37118098 -1.18011456 3.44873773 -7.66166823 -1.63370097 6.33649229
6.57467349 -3.84861016 1.66695213 -3.30528348]

Sample 7583: [2.2894237 0.61750546 0.11904726 9.1079997 4.14542868
0.06763444
1.48422782 -1.17387869 3.46294589 -7.64472979 -1.62662386 6.27751478
6.5716641 -3.83609713 1.60253475 -3.34471125]

Sample 7584: [2.32005542 0.6063411 0.11598439 9.14170082 4.15460654
0.07791538
1.50635304 -1.13395302 3.46795851 -7.58393383 -1.64496393 6.2322517
6.48035601 -3.80001927 1.68009666 -3.38980528]

Sample 7585: [2.24374253 0.62238286 0.13030769 9.22018209 4.14755339
0.03738793
1.49688765 -1.19784531 3.44806861 -7.55645307 -1.65480974 6.30924531
6.46572479 -3.70338526 1.67871905 -3.3471799]

Sample 7586: [2.2498488 0.59207359 0.13151658 9.2384617 4.21098155
0.01734779
1.48444077 -1.18106163 3.42002634 -7.57419345 -1.50500054 6.32981826
6.55904605 -3.60827635 1.73423358 -3.40656814]

Sample 7587: [2.26167906e+00 6.15768406e-01 1.30144761e-01 9.16577680e+00
4.17031010e+00 -1.80964122e-03 1.46611940e+00 -1.15321141e+00
3.43616117e+00 -7.52004327e+00 -1.54374231e+00 6.33535249e+00
6.52642447e+00 -3.53433978e+00 1.69904916e+00 -3.41248240e+00]

Sample 7588: [2.25976867 0.60192712 0.11632971 9.13148223 4.21967763
0.06395509
1.41661136 -1.0926251 3.5041454 -7.51568354 -1.55471764 6.33664607
6.49370213 -3.56704427 1.65529152 -3.34810199]

Sample 7589: [2.44267382 0.61966529 0.13158427 9.1540229 4.24357677
0.08918581
1.49516981 -1.18226455 3.42694131 -7.47246548 -1.52003101 6.35515629
6.45006212 -3.56573374 1.72605282 -3.24610774]

Sample 7590: [2.43750146 0.58673501 0.1309152 9.13183985 4.18093143
0.0604065
1.38573928 -1.22083671 3.40538633 -7.55606582 -1.53031849 6.34521881
6.5492673 -3.60800558 1.70302171 -3.23203666]

Sample 7591: [2.41808581 0.59333418 0.13729381 9.17087075 4.14811782
0.14220757
1.39199249 -1.24029907 3.35621714 -7.59098713 -1.48367095 6.32644749
6.50051591 -3.51972595 1.58373613 -3.2673848]
Sample 7592: [2.32698848 0.57916069 0.13268785 9.13692893 4.19349312
0.16736633
1.40746664 -1.1883564 3.38757156 -7.5262787 -1.45259852 6.28804254
6.41525933 -3.57067697 1.68645393 -3.3249009]
Sample 7593: [2.26230136 0.58648922 0.15290303 9.16871904 4.20066849
0.20620688
1.42168677 -1.28887786 3.42591416 -7.53374205 -1.42391897 6.26758801
6.36534881 -3.48118606 1.72233022 -3.31152734]
Sample 7594: [2.25912694 0.58064525 0.15883211 9.12225601 4.26344773
0.25214919
1.43890087 -1.29839487 3.30849377 -7.53784566 -1.52132286 6.27850856
6.3966863 -3.47200563 1.83364165 -3.41258365]
Sample 7595: [2.25382677 0.56288387 0.15705914 9.11431659 4.24737244
0.14992662
1.4072112 -1.29706051 3.36511006 -7.60991785 -1.5100905 6.25179384
6.46823514 -3.49450754 1.87504948 -3.42088116]
Sample 7596: [2.30449887 0.576227 0.15520789 9.10820805 4.23862277
0.13263872
1.4186352 -1.30126956 3.39884111 -7.66169025 -1.57608011 6.13713
6.5212499 -3.56954446 1.85799151 -3.39574429]
Sample 7597: [2.30242633 0.5725132 0.15447084 9.09036793 4.13543331
0.16591408
1.43428854 -1.29875407 3.40855271 -7.69472941 -1.64231659 6.09310946
6.52239885 -3.60857953 1.83095898 -3.36885578]
Sample 7598: [2.26784584 0.58823541 0.15673214 9.07960011 4.15547923
0.2190328
1.45134782 -1.31453589 3.35153871 -7.70233639 -1.65001412 6.11289728
6.57654348 -3.62487102 1.86873334 -3.35003666]
Sample 7599: [2.30920198 0.56821911 0.15006108 9.02276815 4.14396634
0.25310879
1.4140529 -1.27247266 3.33767607 -7.71946561 -1.58076084 6.2104987
6.61998034 -3.67992047 1.84721243 -3.38364806]
Sample 7600: [2.37680822 0.55683008 0.17203167 8.98907449 4.13034911
0.24624131
1.35744758 -1.38790542 3.33154173 -7.78100873 -1.47993615 6.25480835
6.68893197 -3.6683677 1.84720687 -3.43471035]
Sample 7601: [2.42811853 0.54436655 0.1906509 8.9251188 4.10423462
0.25062431
1.30622644 -1.48401931 3.34228421 -7.89105756 -1.45491658 6.24983569
6.65532616 -3.6891603 1.89849188 -3.44888618]
Sample 7602: [2.45105668 0.53875877 0.19399918 8.98500495 4.16234907
0.20569256
1.32391698 -1.48613369 3.30058779 -7.86433106 -1.44228854 6.26593593
6.5816577 -3.6128722 1.76755489 -3.44695308]

Sample 7603: [2.43245313 0.54196949 0.19011213 8.91001475 4.16943717
0.2701423
1.30941379 -1.45604936 3.31618912 -7.88256608 -1.44460646 6.29334409
6.57791823 -3.5944134 1.79647476 -3.49368723]

Sample 7604: [2.53033996 0.51878085 0.1899652 8.8060017 4.15744052
0.24282352
1.27731024 -1.43299659 3.34667372 -7.87062316 -1.44128637 6.26969488
6.48406076 -3.65022155 1.77634206 -3.52195665]

Sample 7605: [2.53382331 0.54023659 0.20825713 8.81280334 4.15635466
0.30948391
1.33248005 -1.51885797 3.40906634 -7.82363477 -1.40233158 6.29238799
6.49890187 -3.69052183 1.77598517 -3.53404175]

Sample 7606: [2.52394202 0.51160417 0.21422159 8.70093732 4.17374528
0.28501069
1.2420776 -1.55756066 3.469763 -7.8762078 -1.41124057 6.31960719
6.60638436 -3.74995885 1.85933295 -3.51130548]

Sample 7607: [2.63073609 0.51777092 0.22411659 8.67657347 4.13909008
0.3274393
1.2481084 -1.57877621 3.48426506 -8.04875715 -1.44701529 6.29093637
6.56990921 -3.77326467 1.90220489 -3.55415848]

Sample 7608: [2.69475308 0.51093052 0.22643383 8.66578208 4.11279376
0.42951964
1.25112763 -1.57137075 3.46338567 -8.02288432 -1.41904008 6.29728146
6.5870274 -3.67730017 1.90200234 -3.61098544]

Sample 7609: [2.7788473 0.52896661 0.24232031 8.62242514 4.09406795
0.44052667
1.29297222 -1.61336256 3.42959217 -8.07491954 -1.41377776 6.26967637
6.581803 -3.65383305 1.87037809 -3.71203738]

Sample 7610: [2.77191497 0.49872192 0.23627862 8.58684657 4.16420679
0.4707005
1.27798895 -1.63927868 3.41802627 -8.1075632 -1.4429656 6.2516197
6.60546724 -3.57025227 1.91225881 -3.68370195]

Sample 7611: [2.74890916 0.49824031 0.26411016 8.60767883 4.18725635
0.57817204
1.20207892 -1.73739614 3.43515483 -8.04997296 -1.49282414 6.28099682
6.56860044 -3.59363083 1.87844359 -3.73248367]

Sample 7612: [2.74957193 0.478133 0.25996277 8.45121259 4.12344588
0.58355058
1.19586578 -1.70620464 3.33773103 -8.13906205 -1.41436533 6.34930461
6.48581548 -3.64567771 1.91237879 -3.80313564]

Sample 7613: [2.73572676 0.51782051 0.26849605 8.53781456 4.04719321
0.5827485
1.25875971 -1.65787576 3.37119553 -8.06055093 -1.34242124 6.28858211
6.49682155 -3.70224372 1.93667349 -3.86627664]

Sample 7614: [2.68033516 0.50172838 0.23384454 8.50165792 4.05153571
0.5020643
1.32383689 -1.68225119 3.37720323 -8.12120322 -1.29907105 6.29718952
6.55393644 -3.74685718 1.96627547 -3.81019642]

Sample 7615: [2.67689742 0.54812941 0.23935304 8.45037239 4.08851894
0.47298222
1.31050497 -1.68146492 3.39931432 -8.10208908 -1.31666971 6.32741967
6.57339551 -3.76988361 1.95494466 -3.76796293]

Sample 7616: [2.61588199 0.49992373 0.25127434 8.40891983 4.03594991
0.44386008
1.26453773 -1.68264735 3.37030426 -8.11809322 -1.34052658 6.241542
6.53679986 -3.78402827 1.98891315 -3.83965633]

Sample 7617: [2.6382091 0.48161364 0.26693434 8.4802821 4.11941996
0.44892134
1.19168054 -1.71099266 3.31214632 -8.19868941 -1.36594555 6.21271031
6.49574787 -3.78790578 1.92184144 -3.83750294]

Sample 7618: [2.69233926 0.49451171 0.2414145 8.49973755 4.14454798
0.53911877
1.08768258 -1.73131325 3.37873073 -8.21881228 -1.41089522 6.26479298
6.5289937 -3.7881706 1.86993293 -3.81385936]

Sample 7619: [2.63144752 0.44539187 0.25450423 8.52655447 4.20951186
0.43322269
1.09095186 -1.75949624 3.36901602 -8.32460504 -1.28247608 6.28274115
6.60738788 -3.67093608 1.94853312 -3.79510995]

Sample 7620: [2.60389754 0.47744879 0.28144673 8.5415474 4.12537977
0.44373899
1.1020647 -1.80938681 3.277042 -8.32623647 -1.2791132 6.25785209
6.53913121 -3.77003889 1.94405754 -3.76657784]

Sample 7621: [2.60305355 0.46622453 0.27009159 8.54001368 4.09790816
0.41939875
1.05991254 -1.78019326 3.2416465 -8.41935451 -1.30710438 6.28260966
6.52323536 -3.7585601 1.92568603 -3.72581394]

Sample 7622: [2.61062862 0.46652723 0.27008971 8.42894022 4.111267
0.37724933
1.04892027 -1.76140191 3.25719659 -8.34450958 -1.22319418 6.29438422
6.51885876 -3.70903298 1.89645602 -3.64469274]

Sample 7623: [2.61026962 0.4571547 0.27002989 8.34924646 4.05440727
0.42892442
1.03204767 -1.75616409 3.2254068 -8.32740288 -1.28205744 6.25504383
6.56906734 -3.6997401 1.86092975 -3.68702666]

Sample 7624: [2.61951986 0.45242994 0.26313511 8.36968925 4.01264733
0.45686614
1.02214038 -1.7513096 3.29382495 -8.35387437 -1.29856533 6.25558903
6.68814488 -3.65202457 1.90510434 -3.72972596]

Sample 7625: [2.63816858 0.44398304 0.25566282 8.3933664 3.97580647
0.47717057
0.93907302 -1.7412314 3.33982525 -8.36374482 -1.26376023 6.31524611
6.73647572 -3.62338388 1.87079398 -3.63299872]

Sample 7626: [2.68202341 0.43969363 0.25796214 8.37418545 4.01660645
0.37727102
0.9354648 -1.74433299 3.35271593 -8.36311408 -1.29279704 6.33337747
6.77016122 -3.65366375 1.89224513 -3.62992473]

Sample 7627: [2.69620289 0.42650936 0.26277104 8.36198054 3.98303347
0.41112866
0.92409128 -1.76639163 3.35542176 -8.3632006 -1.24474989 6.26261258
6.83226775 -3.63711014 1.88956167 -3.63619578]

Sample 7628: [2.72497851 0.43230384 0.24864146 8.40458728 3.97861895
0.4725903
0.91281635 -1.71263509 3.36237981 -8.40908506 -1.15590534 6.26049759
6.83184156 -3.60697531 1.9252174 -3.64190707]

Sample 7629: [2.74379265 0.45019634 0.26383054 8.34054983 3.97668295
0.49152735
0.87454462 -1.78782177 3.3633116 -8.48506663 -1.24151702 6.20213255
6.87571338 -3.64654178 1.85273085 -3.67246287]

Sample 7630: [2.83594214 0.41998201 0.24879711 8.35732532 4.00641652
0.47356698
0.87326732 -1.73477009 3.34917133 -8.5050956 -1.13974907 6.28605565
6.89615638 -3.59621316 1.86448684 -3.60879742]

Sample 7631: [2.79134888 0.422264 0.23833131 8.38785652 3.96772844
0.37146001
0.83685563 -1.69370837 3.37887837 -8.44090209 -1.19271923 6.32278453
6.88095267 -3.59338632 1.84588495 -3.55655696]

Sample 7632: [2.72123377 0.42088778 0.22665753 8.40147416 4.00623063
0.41025069
0.79176731 -1.65488274 3.35686735 -8.43686223 -1.21835085 6.3462756
6.87187865 -3.55637017 1.7404073 -3.49733565]

Sample 7633: [2.75010237 0.45419123 0.22202752 8.40277555 4.06332606
0.37382883
0.87483844 -1.6387129 3.37146667 -8.36544558 -1.18382306 6.38616298
6.84206587 -3.51360943 1.64548527 -3.47573007]

Sample 7634: [2.70689336 0.41952092 0.23745758 8.41707645 4.05085176
0.27434336
0.84259411 -1.71005014 3.3790623 -8.25728169 -1.13327911 6.41062045
6.72995005 -3.47130377 1.74102797 -3.41040582]

Sample 7635: [2.65673058 0.44782312 0.24617207 8.35314209 4.01512988
0.2965556
0.78720437 -1.73817657 3.38658372 -8.25412976 -1.15942476 6.43045716
6.65349154 -3.47471207 1.67781328 -3.42585352]

Sample 7636: [2.63438756 0.39608255 0.24260459 8.29737702 4.12191589
0.21532059
0.75962529 -1.73971604 3.44169038 -8.32758539 -1.1748731 6.42278675
6.62774351 -3.41087137 1.72420526 -3.34631128]

Sample 7637: [2.64875013 0.46453651 0.23179562 8.27962259 4.06421205
0.26099761
0.83058814 -1.68092454 3.51823902 -8.40087959 -1.19794935 6.26287905
6.64855547 -3.43741623 1.75286632 -3.40369816]

Sample 7638: [2.68261016 0.39048985 0.2338804 8.3042749 3.97251889
0.26703902
0.7842648 -1.69750755 3.5693422 -8.37356706 -1.12633385 6.24488989
6.72768694 -3.48430077 1.74942748 -3.41405912]

Sample 7639: [2.69447407 0.4357639 0.22704098 8.22500884 3.96083996
 0.23883298
 0.68919914 -1.67218774 3.57634449 -8.43917697 -1.1525435 6.33148909
 6.70624464 -3.56746977 1.69976704 -3.35778677]
 Sample 7640: [2.66826572 0.40396413 0.22622847 8.22988956 3.96639495
 0.1776111
 0.80619863 -1.68353075 3.62518219 -8.44249639 -1.07429756 6.30778597
 6.75604557 -3.60539577 1.7291149 -3.34256357]
 Sample 7641: [2.62647817 0.46464926 0.21725771 8.31414187 3.95182967
 0.18244006
 0.80001249 -1.6297488 3.59146087 -8.39866892 -1.02411414 6.31468355
 6.69760537 -3.59947992 1.84793792 -3.30597136]
 Sample 7642: [2.63104025 0.43022342 0.20637588 8.24831656 3.91725403
 0.25804543
 0.89372557 -1.57102699 3.63554253 -8.42216868 -0.94900053 6.29933382
 6.79280735 -3.5423648 1.92737352 -3.32699284]
 Sample 7643: [2.59406791 0.49110851 0.1881192 8.24063845 3.93871064
 0.19835845
 0.91052328 -1.49979806 3.64060879 -8.37743148 -0.92631974 6.30176678
 6.85542383 -3.57899291 1.95105469 -3.3371032]
 Sample 7644: [2.51714297 0.41973893 0.20308267 8.22455294 3.98580169
 0.22594096
 0.8734983 -1.56049036 3.65840701 -8.42141544 -0.97867253 6.30332213
 6.84984201 -3.54272388 1.94594784 -3.29806575]
 Sample 7645: [2.58426137 0.49419102 0.20508693 8.22838785 4.01350596
 0.23589681
 0.93103258 -1.5600633 3.68247642 -8.44900397 -1.0362732 6.26521433
 6.86088246 -3.5027574 1.93329105 -3.34260279]
 Sample 7646: [2.54693563 0.44378651 0.2092621 8.26921437 4.06184307
 0.21036305
 0.9468234 -1.60166318 3.62761236 -8.50525298 -1.02364941 6.21647176
 6.9106479 -3.4592534 1.8493069 -3.35382211]
 Sample 7647: [2.50592169 0.47847534 0.19623324 8.25530779 3.99403565
 0.18013146
 0.93951534 -1.55493244 3.64908595 -8.53617297 -0.98635162 6.2448727
 6.94256562 -3.50341773 1.87091122 -3.3399871]
 Sample 7648: [2.57349474 0.44240099 0.17232654 8.21732977 4.03369734
 0.18339045
 0.91654291 -1.48159115 3.68004756 -8.5863872 -0.99145442 6.21265673
 6.87513121 -3.60128572 1.85739172 -3.29829719]
 Sample 7649: [2.59410806 0.47952156 0.16105749 8.13626715 4.02572201
 0.21324611
 0.91848942 -1.36409908 3.6777008 -8.64307323 -1.04101755 6.14077282
 6.82795506 -3.6123703 1.89399062 -3.31376088]
 Sample 7650: [2.67324025 0.45527567 0.14836159 8.12768705 4.06225548
 0.20098153
 0.93830353 -1.32492513 3.69861128 -8.67142756 -1.02983821 6.08390059
 6.8496354 -3.60931129 1.91548282 -3.31389501]

Sample 7651: [2.65681699 0.47462042 0.14809859 8.15213312 4.09244227
0.15981214
0.94427667 -1.34871171 3.66008788 -8.63851433 -1.08497106 6.0235647
6.82170011 -3.63744417 1.97578463 -3.40866577]
Sample 7652: [2.72086034 0.469344 0.14766624 8.17594642 4.0466498
0.18902073
1.05668769 -1.31848843 3.57784393 -8.71135889 -1.12700681 6.03783534
6.7879169 -3.65113197 1.95337687 -3.41756529]
Sample 7653: [2.69995573 0.50317134 0.15120714 8.22773277 4.08608011
0.22134275
1.07723777 -1.35159997 3.5462228 -8.72157042 -0.98363778 5.94351731
6.76385694 -3.59609257 1.97700913 -3.43172494]
Sample 7654: [2.73323894 0.4588664 0.15087148 8.16491934 4.08001514
0.20991181
1.03354029 -1.31771221 3.53877379 -8.73001641 -1.02318777 6.02627308
6.68523164 -3.66738115 2.02763098 -3.48519562]
Sample 7655: [2.79811658 0.50331933 0.14407207 8.19868131 4.04844752
0.16750172
1.0537242 -1.26568382 3.53250568 -8.77144398 -1.0167432 5.96711161
6.68557079 -3.67734261 2.01084653 -3.53330038]
Sample 7656: [2.86387787 0.47368943 0.13646757 8.3008761 4.21382044
0.23921524
1.07819535 -1.17053629 3.52621035 -8.88714721 -1.0611016 5.95119848
6.7032853 -3.68671305 1.90294536 -3.63490676]
Sample 7657: [2.90467845 0.49913453 0.14016405 8.3625822 4.222759
0.2307048
1.07972733 -1.21392181 3.5936589 -8.87336422 -0.99628939 5.94798945
6.65230484 -3.76964006 1.91070495 -3.59686386]
Sample 7658: [2.91048654 0.48923211 0.15364269 8.3590649 4.24501497
0.26793438
1.14095149 -1.26226236 3.64933563 -9.03555205 -0.96587576 5.94575109
6.66406162 -3.78691286 1.89403913 -3.67683076]
Sample 7659: [2.89008355 0.50928969 0.13804553 8.37756375 4.24737201
0.31192548
1.11565463 -1.20102093 3.6134558 -9.01595109 -0.93674997 5.96396672
6.69884473 -3.81212147 1.91361649 -3.67049266]
Sample 7660: [2.85794651 0.4792625 0.13061044 8.36468969 4.14911068
0.24019486
1.06240472 -1.12559449 3.61397949 -9.08147967 -0.93259276 5.97614921
6.67697262 -3.81587527 1.85854408 -3.67662811]
Sample 7661: [2.87345087 0.50141123 0.12640603 8.38183113 4.20891253
0.30255595
1.06059739 -1.10667767 3.67372637 -9.15939172 -0.92069709 6.0503083
6.64821156 -3.80098235 1.80208351 -3.65719256]
Sample 7662: [2.94522753 0.46996181 0.12013844 8.36108094 4.19224558
0.22033962
0.99849298 -1.10400989 3.75304107 -9.17486626 -0.83298613 6.04947178
6.75548183 -3.84373372 1.86518091 -3.69796789]

Sample 7663: [3.00446186 0.46673887 0.11289583 8.3950158 4.15233229
0.21750999
0.93985125 -1.11307748 3.75209641 -9.17985712 -0.84764077 5.99381662
6.8071384 -3.8840334 1.86410644 -3.73822417]
Sample 7664: [2.94339512 0.46558258 0.11149251 8.32674594 4.24618598
0.18607377
0.94916521 -1.06648213 3.75574037 -9.21024445 -0.790727 5.93558449
6.8098466 -3.90146142 1.87641648 -3.76811573]
Sample 7665: [2.93201209 0.44206407 0.13428151 8.25222067 4.26073043
0.20279934
0.94183115 -1.173459 3.69933812 -9.19014146 -0.73043779 5.92312082
6.80746468 -3.9369111 1.92867427 -3.77983315]
Sample 7666: [2.84703822 0.45152971 0.12858424 8.26791472 4.26803721
0.16364826
0.93082391 -1.16265921 3.70054476 -9.25136828 -0.7109055 5.90010238
6.79186427 -3.95314135 1.96935801 -3.71414926]
Sample 7667: [2.91839938 0.44666188 0.12792736 8.2985235 4.25694035
0.18010156
0.94418169 -1.17204466 3.79620541 -9.21599793 -0.73000457 5.87243378
6.82782206 -3.93108828 2.03952025 -3.68358902]
Sample 7668: [2.86563959 0.47025848 0.13057672 8.38528438 4.21361026
0.17491477
0.98788693 -1.13520166 3.81095912 -9.24908369 -0.7495769 5.99131471
6.81729055 -3.82793128 2.0558685 -3.76858168]
Sample 7669: [2.82748042 0.4537819 0.13984036 8.360622 4.26584828
0.13435977
0.9903029 -1.16954884 3.77718991 -9.24411081 -0.8308805 5.91856008
6.80697355 -3.79402088 2.05963692 -3.79603329]
Sample 7670: [2.86900399 0.48660313 0.1327561 8.3206945 4.24597092
0.05970924
1.0454336 -1.13213044 3.7894338 -9.23061726 -0.90814369 5.96638882
6.76377898 -3.79691572 2.02866285 -3.76134382]
Sample 7671: [2.79615949 0.45652686 0.13488235 8.33851743 4.19520144
0.05409201
1.00934334 -1.10654015 3.73648321 -9.16561275 -0.9080735 5.92272945
6.71512271 -3.82096306 1.98995817 -3.80152038]
Sample 7672: [2.79126383 0.46196882 0.1255083 8.42387921 4.16876855
0.059327
0.94366903 -1.09554571 3.73324141 -9.08259604 -0.94079989 5.90350236
6.76388758 -3.90526505 1.98413948 -3.8762032]
Sample 7673: [2.87592466 0.43541929 0.14024996 8.41714261 4.17480384
0.05922825
0.97655279 -1.15481157 3.68770513 -9.03378042 -0.92069553 5.90947756
6.75001437 -3.83933803 1.93103212 -3.86156109]
Sample 7674: [2.92988235 0.46219192 0.12762342 8.49334184 4.07094855
0.111124
0.92803177 -1.12476439 3.73371515 -9.03232109 -0.99200263 5.91705101
6.76533965 -3.8614297 1.90393689 -3.801405]

Sample 7675: [2.95691047 0.45136295 0.13562025 8.4557519 4.03446898
 0.13584932
 1.0106464 -1.17611681 3.68810301 -9.01790175 -1.02468276 5.89457562
 6.73202716 -3.76835383 1.92624586 -3.70045808]
 Sample 7676: [3.00454635 0.46486524 0.1242917 8.49344825 4.00378544
 0.1314692
 0.86419157 -1.11571636 3.74352451 -9.05217005 -1.0361174 5.9775163
 6.74597824 -3.7034364 1.91054252 -3.62338135]
 Sample 7677: [3.05584543 0.43809974 0.11531056 8.50766311 3.97794277
 0.16271263
 0.83815843 -1.05057444 3.65860238 -9.04120749 -0.97461264 5.93566896
 6.68330701 -3.68508699 2.01010437 -3.69954164]
 Sample 7678: [3.06566509 0.47179462 0.10893187 8.47814947 4.00791758
 0.17707769
 0.87209586 -1.05898067 3.69573281 -9.05819361 -0.98295247 5.89476807
 6.67706711 -3.73837143 2.00008617 -3.71431905]
 Sample 7679: [3.03980108 0.44859866 0.10788076 8.40773222 4.02535119
 0.24427016
 0.92321868 -1.05047835 3.67631858 -9.09156736 -0.96715372 5.93796161
 6.72692406 -3.78143229 2.0013798 -3.76170296]
 Sample 7680: [3.12181371 0.47819257 0.09590714 8.45938918 4.01782559
 0.13416716
 0.88976858 -1.05610217 3.71116493 -9.1206262 -0.96342604 5.91318112
 6.68454528 -3.83453865 2.03197177 -3.69689838]
 Sample 7681: [3.15185833 0.45680342 0.09191034 8.46800944 3.99558401
 0.17584635
 0.89465693 -1.00676893 3.66408281 -9.05056021 -0.98798329 5.97171355
 6.70013448 -3.86826476 1.98076742 -3.71521615]
 Sample 7682: [3.10671594 0.515641 0.08107961 8.49509784 4.01109277
 0.12093219
 0.88280371 -0.93272596 3.70840839 -9.01424715 -1.14955418 5.91327164
 6.63542694 -3.90375784 1.9930304 -3.72222357]
 Sample 7683: [3.12372294 0.45134089 0.09794731 8.53749506 4.06051287
 0.19244323
 0.86094986 -1.0006735 3.69814528 -9.04631319 -1.06722784 6.00718444
 6.62702763 -3.8837472 2.04396653 -3.77083229]
 Sample 7684: [3.11063627 0.47806579 0.09379798 8.55949355 4.04005058
 0.13084947
 0.83336372 -0.97390363 3.73532836 -8.99644926 -1.03731223 6.06708039
 6.61417765 -3.89865308 1.98290431 -3.75886753]
 Sample 7685: [3.0763135 0.51816729 0.06565755 8.5179058 4.02389851
 0.20244166
 0.83000944 -0.85437316 3.7515609 -8.96243333 -1.04769004 6.10464197
 6.59099896 -3.94924344 2.01490613 -3.75497576]
 Sample 7686: [3.11304308 0.52608722 0.06956243 8.55849537 4.01978852
 0.23561654
 0.79631314 -0.86573135 3.81984485 -8.94113583 -1.1029219 6.16954169
 6.57097754 -4.01401582 2.04161693 -3.74219007]

Sample 7687: [3.08434697 0.46266511 0.07717331 8.57003276 3.95020808
 0.24044472
 0.76196831 -0.91347313 3.75851587 -8.99553794 -1.14848653 6.20111641
 6.49797792 -3.92236261 2.01959159 -3.79393494]
 Sample 7688: [3.18134422 0.46714493 0.07743965 8.50377962 3.92260898
 0.24493134
 0.74663981 -0.90141381 3.76017489 -8.97172003 -1.10195179 6.28014808
 6.54264218 -3.98143001 1.98862349 -3.79824413]
 Sample 7689: [3.1350281 0.45574118 0.08882512 8.56980241 3.92650051
 0.23187197
 0.71719261 -0.93878706 3.79767104 -8.9406008 -1.01974167 6.25704334
 6.49389113 -3.96490498 1.90453629 -3.75177056]
 Sample 7690: [3.09047697 0.45638197 0.08940785 8.67760952 3.91003692
 0.2060324
 0.7756941 -0.95339375 3.80054549 -8.9575847 -0.93508714 6.19780345
 6.51863807 -3.93586458 1.94680646 -3.7282892]
 Sample 7691: [3.1559549 0.45536854 0.09258907 8.75283967 3.87757915
 0.13931519
 0.78322494 -1.00014157 3.93437515 -8.95161964 -0.93056837 6.28077213
 6.59172267 -3.89693146 1.94898659 -3.77021469]
 Sample 7692: [3.11252982 0.45460165 0.10676629 8.76951684 3.86997748
 0.16197489
 0.90480789 -1.03176858 3.92454038 -8.87913273 -0.99472671 6.30669138
 6.53978361 -3.91576276 2.05189406 -3.80136574]
 Sample 7693: [2.97902116 0.49076795 0.09523045 8.77219855 3.8824374
 0.13376095
 0.92947247 -0.98715689 3.88283357 -8.85857797 -0.96450093 6.34254226
 6.42920208 -3.85614803 1.97216721 -3.75046761]
 Sample 7694: [2.95028939 0.52183965 0.07900892 8.72463044 3.88713302
 0.16237055
 0.97593618 -0.92102588 3.87479633 -8.83112871 -0.95700558 6.3334991
 6.41561375 -3.80710709 1.96091861 -3.75943103]
 Sample 7695: [2.92038406 0.52022507 0.07703339 8.69662043 3.95530446
 0.14814997
 0.93955939 -0.90141776 3.89808256 -8.82811994 -0.97499582 6.35612004
 6.42829475 -3.81648965 1.88632044 -3.75214192]
 Sample 7696: [2.95019342 0.53233933 0.08139119 8.7358846 3.94699659
 0.11355347
 0.91828797 -0.88962235 3.84646717 -8.76773934 -0.92904093 6.30781708
 6.45497452 -3.85341891 1.83477419 -3.73414639]
 Sample 7697: [2.95004905 0.52373142 0.088644 8.77047832 3.99571265
 0.22214626
 0.89844204 -0.91400148 3.80553378 -8.80748264 -0.95033693 6.36577126
 6.49037573 -3.84877995 1.92266234 -3.60224554]
 Sample 7698: [2.97305459 0.54094031 0.09001579 8.74309108 3.99423011
 0.25356545
 1.00352783 -0.96174568 3.87673361 -8.8816909 -1.00506428 6.41647587
 6.49453157 -3.76342945 1.91354925 -3.59042986]

Sample 7699: [2.96245933 0.51496362 0.08591465 8.60927808 4.04682758
0.31471078
1.00673239 -0.97706739 3.93148082 -8.93245032 -0.86865834 6.33970956
6.54271142 -3.74534963 1.88241067 -3.63629075]
Sample 7700: [3.01092602 0.50768854 0.10080603 8.58925019 4.02964772
0.33404973
1.05515437 -1.05623001 3.88992041 -8.96130227 -0.86013746 6.28692334
6.59379148 -3.71418309 1.87461286 -3.63755144]
Sample 7701: [2.92963795 0.49135314 0.09795474 8.59230345 4.0300553
0.28311989
0.96886094 -1.04847163 3.8812836 -8.96110827 -0.79752425 6.28106571
6.5116521 -3.68097803 1.89173646 -3.60687255]
Sample 7702: [2.94059144 0.49260612 0.09784744 8.58523736 4.08382571
0.18850824
1.03936387 -1.09532573 3.90977367 -8.88280055 -0.83352742 6.15009968
6.55914271 -3.64620933 1.87130161 -3.55968224]
Sample 7703: [2.99206229 0.49878076 0.09936713 8.61771629 4.1309389
0.09984867
1.03442118 -1.09853707 3.90203146 -8.8961229 -0.7626761 6.24164222
6.56088469 -3.61750097 1.86861276 -3.60704758]
Sample 7704: [2.99430461 0.49610525 0.10955002 8.61390122 4.0342354
0.17795625
1.08296446 -1.11427117 3.82444913 -8.93635272 -0.84391671 6.26017957
6.42776534 -3.56992769 1.83143941 -3.56041684]
Sample 7705: [2.96728272 0.54123933 0.09728954 8.64235531 4.12942027
0.19641694
1.14366297 -1.08422152 3.83798627 -8.96596587 -0.86533338 6.30222763
6.41600192 -3.63729051 1.7518427 -3.50772813]
Sample 7706: [2.90903729 0.51351218 0.10174597 8.68405404 4.08340904
0.19922699
1.12787632 -1.06394754 3.88529431 -8.93925658 -0.86425736 6.25657117
6.41269304 -3.67558404 1.75312672 -3.57425368]
Sample 7707: [2.98689459 0.53159955 0.09630277 8.65165869 4.10156743
0.06216916
1.12475969 -1.02789851 4.0161584 -9.00814908 -0.90912295 6.16647309
6.35486414 -3.71014806 1.74184458 -3.62175499]
Sample 7708: [2.94871885 0.5381503 0.09283282 8.56695206 4.12207619
0.04213973
1.17814383 -0.98638036 4.06909673 -9.05983299 -0.92061934 6.20254108
6.39213691 -3.68673235 1.71441239 -3.6628801]
Sample 7709: [2.92736879e+00 5.61860839e-01 9.74962414e-02 8.49715141e+00
4.08997636e+00 -3.26872684e-03 1.28310375e+00 -1.05446269e+00
4.08313582e+00 -9.09348508e+00 -9.42421612e-01 6.19913421e+00
6.45190679e+00 -3.59323178e+00 1.73894717e+00 -3.59497874e+00]
Sample 7710: [2.95814513 0.53622813 0.10106705 8.58399873 4.10478161
0.02244239
1.23983848 -1.0709434 4.12478676 -9.13957112 -0.98791448 6.23356508
6.46975326 -3.60739589 1.74112083 -3.62865647]

Sample 7711: [2.98646441 0.54904098 0.11023124 8.6607473 4.11424439
 -0.02857263
 1.34025812 -1.09543398 4.08995926 -9.12112452 -1.02175118 6.17404026
 6.45070777 -3.63306161 1.82265956 -3.77038359]
 Sample 7712: [3.02638544 0.53178571 0.11121129 8.65717946 4.20245573
 -0.01239084
 1.2932721 -1.0865855 4.04710601 -9.14217442 -0.99784223 6.24481497
 6.44697341 -3.57702738 1.81494711 -3.78053034]
 Sample 7713: [2.96622314 0.55583809 0.11540186 8.58981608 4.14681739
 -0.08776543
 1.38133776 -1.12699981 4.10252689 -9.14806386 -1.01958582 6.27356936
 6.50628269 -3.49361023 1.74230676 -3.80567998]
 Sample 7714: [3.03487911 0.55833056 0.11599187 8.55208538 4.22725191
 -0.01895996
 1.43991034 -1.12862864 4.21359441 -9.14225238 -1.09823525 6.28251591
 6.50670138 -3.54012475 1.80789355 -3.77835552]
 Sample 7715: [3.06697174 0.57758606 0.12773742 8.56528113 4.19992392
 -0.01098247
 1.50452995 -1.16312905 4.27779978 -9.13810571 -1.04469077 6.32338889
 6.44518576 -3.45212586 1.79507601 -3.85679971]
 Sample 7716: [3.04058992 0.54788383 0.14585095 8.52042864 4.20701912
 -0.08230137
 1.49185962 -1.25310815 4.23632038 -9.18032287 -1.04267855 6.37899168
 6.4709349 -3.47296536 1.8759112 -3.83502482]
 Sample 7717: [3.10326238 0.56387059 0.12258263 8.54241224 4.2600643
 -0.06934678
 1.41264729 -1.1628812 4.27038277 -9.20310013 -1.10862197 6.5010451
 6.51683844 -3.47791408 1.87924821 -3.90671193]
 Sample 7718: [3.10833325 0.57027197 0.13177731 8.55520439 4.30258517
 -0.02388991
 1.45319448 -1.10696402 4.30208049 -9.16875536 -1.21239436 6.5967035
 6.40325956 -3.48791414 1.9380177 -3.8871801]
 Sample 7719: [3.16266924 0.5675432 0.13414272 8.56835189 4.23962334
 -0.09380349
 1.39334511 -1.11902518 4.40847874 -9.19376432 -1.21094824 6.62165836
 6.36587276 -3.50997804 1.9936677 -3.91813336]
 Sample 7720: [3.28252918 0.52925706 0.14560445 8.53622997 4.25093049
 -0.09151729
 1.37250429 -1.15742896 4.44787266 -9.24993348 -1.17913515 6.55419071
 6.38168462 -3.57412 2.00389771 -3.90875764]
 Sample 7721: [3.26381397 0.56524385 0.11689753 8.63005959 4.16014437
 -0.12855911
 1.38647484 -1.04328613 4.41954795 -9.2621196 -1.17675966 6.54712909
 6.41347933 -3.51319179 2.01270342 -3.94446282]
 Sample 7722: [3.2658792 0.55589507 0.11037172 8.66012055 4.00399037
 -0.06798824
 1.36189529 -1.00061879 4.45322046 -9.3173298 -1.1469013 6.56276473
 6.48860666 -3.4984014 2.00585537 -3.98873512]

Sample 7723: [3.31660912 0.54616745 0.10795653 8.72002361 4.05832821
-0.08582229
1.28483798 -0.98579948 4.45626944 -9.27811255 -1.06319038 6.61942741
6.49038173 -3.51598093 2.0403427 -4.0379355]

Sample 7724: [3.32262111 0.53840226 0.10595754 8.75543079 4.10820016
-0.11604753
1.2694105 -0.98159006 4.42390388 -9.195726 -1.07149504 6.51674792
6.5484022 -3.48209821 2.02874903 -4.02313655]

Sample 7725: [3.30532526 0.5463285 0.10348898 8.714599 4.11191141
-0.0523433
1.29466477 -0.97788425 4.38200106 -9.11295214 -1.15002511 6.41543948
6.61230654 -3.54518255 2.04262017 -4.08488459]

Sample 7726: [3.37768168 0.53289189 0.10914639 8.66956136 4.05233854
-0.09270841
1.29970818 -0.99371608 4.34743565 -9.11012185 -1.07771025 6.41011033
6.61310247 -3.5225925 2.06617319 -4.11055923]

Sample 7727: [3.36631514 0.56664423 0.08695235 8.63143039 4.06954631
-0.18652419
1.25333307 -0.89957517 4.42582725 -9.07070158 -1.0957832 6.46553508
6.64207013 -3.46304866 2.09575311 -4.07007963]

Sample 7728: [3.33474212 0.57306436 0.08693362 8.62464803 4.02734712
-0.17052558
1.26497078 -0.87684962 4.4122341 -8.99764414 -1.10519286 6.41230063
6.58016672 -3.59080562 2.13685875 -4.10272305]

Sample 7729: [3.28288766 0.56000032 0.09167565 8.58191551 3.95518075
-0.11875429
1.25896968 -0.88753449 4.40457336 -9.0577357 -1.07302662 6.42844256
6.67904266 -3.58055247 2.1354791 -4.12558609]

Sample 7730: [3.36117042 0.58997421 0.08654975 8.74721466 4.01257228
-0.08920023
1.27831927 -0.84371359 4.41930455 -8.98174378 -1.03698471 6.42210131
6.62649514 -3.56845579 2.10023055 -4.13088985]

Sample 7731: [3.30630086 0.56446379 0.08360871 8.74198427 4.03814312
-0.13560423
1.25377203 -0.85348807 4.43768198 -9.01994716 -1.00883392 6.40194845
6.62564314 -3.54455226 2.0760711 -4.16245834]

Sample 7732: [3.26124681 0.57791686 0.09172223 8.81166604 4.04725929
-0.27502186
1.25386798 -0.88583647 4.43542977 -9.03888818 -0.95965865 6.3643501
6.65591419 -3.51405138 2.10397624 -4.19760416]

Sample 7733: [3.27949004 0.54032561 0.09536843 8.81075301 4.0869103
-0.29035806
1.26976846 -0.8948907 4.43948374 -8.98486884 -0.82802839 6.34662648
6.7162886 -3.55877791 2.02891681 -4.17907906]

Sample 7734: [3.21660711 0.57763359 0.09438792 8.87794789 4.15123566
-0.18137359
1.33183606 -0.91982688 4.44919752 -8.96240671 -0.81298182 6.36773763
6.65595843 -3.62753482 2.08144084 -4.22597402]

Sample 7735: [3.28493597 0.53634766 0.10492849 8.88868758 4.11767015
 -0.19786289
 1.28060023 -0.91182929 4.55142153 -9.04162414 -0.70584877 6.33529886
 6.62770352 -3.66383346 1.9556015 -4.21347483]
 Sample 7736: [3.35627129 0.56977188 0.09699942 8.91263526 4.11083449
 -0.24096643
 1.34240915 -0.93604382 4.5969309 -9.00754757 -0.64100638 6.28631025
 6.68298111 -3.70883584 1.89860832 -4.21885512]
 Sample 7737: [3.35335799 0.52408408 0.11885903 8.86436678 4.06154619
 -0.30466281
 1.36117053 -0.98253348 4.52269433 -8.99631632 -0.70891571 6.17663174
 6.60179444 -3.76090445 1.90491264 -4.23829696]
 Sample 7738: [3.44455212 0.52133187 0.12414469 8.80919948 4.06921663
 -0.19595237
 1.27784969 -1.04587351 4.59815091 -9.04196218 -0.66519719 6.21869822
 6.6195195 -3.81649076 1.80495575 -4.21549893]
 Sample 7739: [3.42286216 0.49688632 0.15254843 8.8465278 4.05806497
 -0.24540334
 1.29372335 -1.07953042 4.5479262 -8.96745473 -0.65032781 6.21813803
 6.58330719 -3.85325039 1.78401357 -4.20097471]
 Sample 7740: [3.48618655 0.50918224 0.14000485 8.95404154 4.01758848
 -0.27768635
 1.26478911 -1.10495975 4.63266284 -8.9570796 -0.66106529 6.21912958
 6.56392002 -3.90584314 1.86847477 -4.17336082]
 Sample 7741: [3.5150197 0.48580936 0.15137506 8.83161398 3.98016279
 -0.24344692
 1.20498208 -1.13808407 4.65271628 -9.09085125 -0.62825198 6.20918976
 6.59788317 -3.8225224 1.95530217 -4.19072371]
 Sample 7742: [3.50121102 0.46981282 0.14064184 8.73650895 4.072669
 -0.29641109
 1.13457971 -1.10050715 4.73772904 -9.04487095 -0.59809339 6.30006245
 6.62302325 -3.8653309 1.96159259 -4.19243668]
 Sample 7743: [3.59216909 0.47817695 0.14777985 8.76337773 4.07389624
 -0.27435126
 1.18648793 -1.13731326 4.69459398 -9.15761063 -0.53871636 6.21196249
 6.57969782 -3.88944818 1.93201446 -4.14872409]
 Sample 7744: [3.58458365 0.44746943 0.1457836 8.80520957 4.09632475
 -0.19139355
 1.11413198 -1.12246001 4.66949563 -9.16893151 -0.5218456 6.27756438
 6.61917175 -3.90608352 1.98376117 -4.25360094]
 Sample 7745: [3.55724891 0.44345642 0.19096121 8.81680039 4.18322402
 -0.20106081
 1.0553949 -1.19294408 4.71794178 -9.16850658 -0.46935699 6.27714648
 6.66186776 -3.92694986 1.94739179 -4.20855672]
 Sample 7746: [3.56694084 0.43161044 0.15910845 8.92295938 4.09764021
 -0.25665229
 1.03041291 -1.12518906 4.67495008 -9.14253969 -0.48044361 6.2352409
 6.70804432 -3.95674277 1.90283385 -4.25547662]

Sample 7747: [3.58374211 0.4584174 0.13719427 8.87641467 4.11293794
-0.17574262
1.08701718 -1.09743728 4.64195618 -9.023286 -0.44939421 6.23930138
6.68916816 -3.99070325 1.8756241 -4.33985092]
Sample 7748: [3.54179125 0.44415655 0.15161094 8.87170942 4.12700989
-0.13040577
1.11717682 -1.12698719 4.66189851 -9.03113124 -0.41275965 6.28999656
6.689729 -4.03607795 1.86149588 -4.39749251]
Sample 7749: [3.59721918 0.44789777 0.14482908 8.81170759 4.10337773
-0.11965426
1.0997042 -1.13366153 4.64361087 -9.05899481 -0.3953518 6.4351833
6.62867268 -4.15987023 1.87486362 -4.4527706]
Sample 7750: [3.68759246 0.4302624 0.13440529 8.90734781 4.08378668
-0.10159326
1.04086441 -1.05970569 4.6234441 -9.09320883 -0.43704626 6.49622307
6.646223 -4.17181519 1.88544509 -4.38568963]
Sample 7751: [3.70679183 0.42689902 0.14280512 8.9286443 4.11854789
-0.10218133
1.02637657 -1.11167415 4.54890955 -9.01685556 -0.40235019 6.43059941
6.66968243 -4.03604301 1.90975023 -4.42566074]
Sample 7752: [3.62494446 0.44205533 0.13845556 8.95614347 4.09652283
-0.12509176
1.05000723 -1.11146018 4.61292887 -9.01295377 -0.39303664 6.47707839
6.70367184 -4.06716743 1.92776558 -4.46351817]
Sample 7753: [3.61968287 0.4104295 0.14475855 8.95228518 4.03429209
-0.1609172
0.97756588 -1.04951151 4.64448106 -8.96106288 -0.32634683 6.51144134
6.75595868 -4.03550059 1.83062473 -4.49274248]
Sample 7754: [3.60563138 0.41571167 0.13559315 8.95784417 3.95010899
-0.09657103
0.90773002 -1.02788197 4.63613226 -8.90764359 -0.30249499 6.47180292
6.70510451 -4.12512482 1.81022393 -4.56325615]
Sample 7755: [3.6327901 0.39314598 0.13935434 8.93733803 3.97324554
-0.09933195
0.89194132 -1.09836895 4.75426649 -8.88900743 -0.31195812 6.45568135
6.71980871 -4.07072644 1.87657313 -4.5258446]
Sample 7756: [3.58428341 0.3945812 0.14668641 8.92426376 3.9708105
-0.15565284
0.89864035 -1.10607109 4.74137955 -8.85379645 -0.27460815 6.46057595
6.69784905 -4.06104614 1.87916659 -4.56050263]
Sample 7757: [3.60132672 0.38578849 0.14899606 8.96522591 3.95771319
-0.15032177
0.86735193 -1.07294843 4.72269539 -8.79012251 -0.27966828 6.55642584
6.71812344 -4.00727603 1.93557351 -4.48445027]
Sample 7758: [3.54606098 0.4133402 0.12167599 8.87823153 3.91105921
-0.12943413
0.79766591 -0.9957305 4.73037825 -8.70267976 -0.20437984 6.62697659
6.79805295 -4.04140753 1.9416522 -4.52997159]

Sample 7759: [3.51967922 0.39110574 0.14240354 8.83402485 3.90572025
-0.1222915
0.78046486 -1.00932307 4.78633852 -8.7866214 -0.08397009 6.69500562
6.81733573 -4.07306066 1.96700325 -4.51892613]

Sample 7760: [3.52862022 0.44906853 0.09486005 9.00157904 3.91536234
-0.10559813
0.75666639 -0.9060841 4.8443079 -8.87675531 -0.01450338 6.74002232
6.80167796 -4.04099915 1.93227585 -4.46328187]

Sample 7761: [3.47810847e+00 4.15221703e-01 1.09495555e-01 9.08944695e+00
3.84556420e+00 -8.67766459e-02 7.33168612e-01 -8.61442078e-01
4.76176983e+00 -8.83710085e+00 -6.73874694e-03 6.68124978e+00
6.76165228e+00 -4.07287284e+00 1.90898669e+00 -4.48091169e+00]

Sample 7762: [3.57261247 0.46620016 0.08826126 9.04055256 3.88173115
-0.12919788
0.73632148 -0.8199688 4.70270316 -8.88861018 0.04934326 6.64243982
6.70950122 -4.07680738 1.97809509 -4.41369019]

Sample 7763: [3.58621737 0.5340992 0.08165908 9.0218758 3.96764418
-0.09374871
0.80725088 -0.77358911 4.67082562 -8.85624299 0.10440729 6.68019299
6.6713342 -4.01521802 2.03785792 -4.44409698]

Sample 7764: [3.60136889 0.53220338 0.07446906 9.02636179 3.95614067
-0.16966199
0.800355 -0.71435181 4.65674905 -8.86533899 0.07179429 6.71516661
6.70002254 -4.0742717 2.0219803 -4.37729974]

Sample 7765: [3.55108797 0.50107243 0.07985569 9.08114391 4.03156466
-0.19154207
0.7186506 -0.73696214 4.73080522 -8.89468114 0.04119648 6.69437081
6.61506778 -3.98813925 2.00081323 -4.32494681]

Sample 7766: [3.52237841 0.4335545 0.09760006 9.04893935 4.02383388
-0.16168911
0.69573616 -0.77174136 4.71600208 -8.9007894 0.14268348 6.70195551
6.6439558 -3.93235649 1.98839086 -4.32285341]

Sample 7767: [3.61419789 0.46444462 0.08892807 9.04518231 4.04662352
-0.20858214
0.7399188 -0.89749104 4.72284411 -8.95061848 0.18299843 6.71536931
6.67341029 -3.87571248 1.94660522 -4.36144037]

Sample 7768: [3.72513725 0.40568971 0.09637034 9.03119784 4.06567353
-0.1552713
0.68761035 -0.8357376 4.72659813 -9.03540502 0.07212273 6.81092273
6.67499759 -3.79557239 1.992214 -4.39927729]

Sample 7769: [3.73522993 0.49527233 0.07584555 9.12532031 3.98057283
-0.19087702
0.64881027 -0.77809063 4.74378432 -9.02738656 0.11286835 6.88682024
6.69216945 -3.77273095 1.98218166 -4.44919803]

Sample 7770: [3.73687931 0.40712413 0.10069047 9.19390677 3.94767484
-0.2557687
0.6574418 -0.84159737 4.72239692 -9.05519192 0.13655388 6.87705368
6.66431687 -3.69399196 2.08643256 -4.48056515]

Sample 7771: [3.74319303 0.46652974 0.07645017 9.19907995 3.98925665
 -0.26140375
 0.6675007 -0.77062682 4.62435844 -9.06962866 0.09953486 6.86666602
 6.80998515 -3.7068257 2.0798746 -4.46622335]
 Sample 7772: [3.8292045 0.43201664 0.08335307 9.17818748 3.96513649
 -0.30801354
 0.66464462 -0.81227358 4.62276753 -8.99673704 0.10831732 6.87439723
 6.76317392 -3.68133985 2.03296111 -4.50184161]
 Sample 7773: [3.75267838 0.41500004 0.08797513 9.1736741 3.8873046
 -0.27387436
 0.61784438 -0.81150894 4.56563788 -8.96360847 0.14231036 6.83775718
 6.74359589 -3.77396053 2.07872066 -4.52325087]
 Sample 7774: [3.74126571 0.43432357 0.08429967 9.1225193 3.86912221
 -0.32575279
 0.5546638 -0.75999215 4.54022338 -8.939094 0.24107371 6.8395322
 6.79554437 -3.70638388 2.07683877 -4.55018724]
 Sample 7775: [3.84186123 0.4074748 0.09730686 9.11544989 3.83572961
 -0.33343329
 0.58050302 -0.86049213 4.59269214 -8.97216414 0.28674418 6.84184096
 6.81106666 -3.66244731 2.07442268 -4.4706767]
 Sample 7776: [3.84262258 0.41852473 0.09158045 9.07112184 3.82639117
 -0.30391219
 0.65148553 -0.84022163 4.59675998 -8.95624915 0.2811238 6.8995394
 6.92325024 -3.73758023 1.93336609 -4.53713117]
 Sample 7777: [3.81175843 0.45973268 0.06635269 8.98952499 3.74873471
 -0.35360472
 0.62174881 -0.77612377 4.57895372 -8.97763173 0.23075954 6.77341888
 6.94159509 -3.77703097 2.02854487 -4.53780549]
 Sample 7778: [3.88898687 0.43551345 0.09214932 8.93403756 3.69080742
 -0.36006981
 0.61982808 -0.77987453 4.58429278 -8.87038222 0.31512477 6.72134002
 6.93856787 -3.73106023 2.01063333 -4.53487391]
 Sample 7779: [3.88217201 0.43795629 0.08777978 8.84155708 3.63991511
 -0.35240441
 0.57262532 -0.80388171 4.56348716 -8.94832382 0.3188458 6.71963049
 6.87976488 -3.78883295 1.96968728 -4.52597175]
 Sample 7780: [3.83229744 0.43590068 0.08748856 8.79805774 3.65863188
 -0.34476702
 0.56309565 -0.79079908 4.52319734 -8.96680414 0.34748426 6.77216564
 6.89160077 -3.7726391 1.99145 -4.4702218]
 Sample 7781: [3.8648146 0.4170918 0.09042591 8.74768427 3.79673866
 -0.38981762
 0.60235911 -0.80883067 4.54606945 -9.033832 0.31044949 6.8257024
 6.84198479 -3.81811956 1.93787851 -4.54507925]
 Sample 7782: [3.8239977 0.41339187 0.08617064 8.70303563 3.82070709
 -0.30772166
 0.57103136 -0.82118106 4.52588382 -9.08094443 0.29585769 6.89558631
 6.82139709 -3.87229844 1.9474732 -4.5110171]

Sample 7783: [3.81954403 0.39104372 0.09262024 8.69129601 3.80534612
-0.2952725
0.55565774 -0.8625752 4.56873281 -9.01648387 0.27334429 6.86051139
6.85330004 -3.89620727 1.91721078 -4.52107911]

Sample 7784: [3.85931158 0.38991982 0.09423371 8.63200026 3.77716572
-0.29065005
0.55295301 -0.86365079 4.61031981 -8.9955956 0.22566362 6.87898664
6.87819882 -3.86594272 1.98757245 -4.50059918]

Sample 7785: [3.89686645 0.37444307 0.09385795 8.56869943 3.79389374
-0.3466399
0.49797205 -0.88020649 4.58273304 -9.05589212 0.21711127 6.87921542
6.90645676 -3.93638947 1.94176633 -4.5116313]

Sample 7786: [3.92471256 0.39132319 0.075904 8.57137475 3.86688379
-0.38329025
0.47873948 -0.82779805 4.5604139 -9.12688286 0.24950754 6.82648137
6.91304961 -3.95731679 1.88086775 -4.54925698]

Sample 7787: [3.84156987 0.44244093 0.07957688 8.46694038 3.77274004
-0.33655265
0.45656434 -0.70326578 4.51094827 -9.11456719 0.19389973 6.87475437
6.94780533 -4.02226748 1.8362669 -4.54969074]

Sample 7788: [3.88719417 0.41486877 0.08399118 8.44322159 3.76790642
-0.29106366
0.39657797 -0.81566736 4.41286425 -9.09374542 0.1398711 6.89203342
6.94014754 -4.14997427 1.96467068 -4.51358903]

Sample 7789: [3.90378794 0.37432764 0.07550302 8.40425427 3.81822091
-0.21768275
0.46446219 -0.82731324 4.4282727 -9.12157915 0.19108796 6.92206132
7.01083929 -4.11071538 2.01933282 -4.40798491]

Sample 7790: [3.87040927 0.45211282 0.08317218 8.41565549 3.82565337
-0.22855899
0.50952682 -0.87299636 4.39262703 -9.1594395 0.17095471 6.88106302
6.99305626 -4.08974164 2.09736091 -4.35580518]

Sample 7791: [3.85912055 0.39580295 0.0944739 8.45814972 3.79113887
-0.25416484
0.61990109 -0.82954465 4.39189459 -9.15523679 0.15600442 6.79900173
6.90376648 -4.02822679 2.11140589 -4.40142294]

Sample 7792: [3.88744179 0.43746619 0.08053987 8.37504619 3.81971171
-0.18775326
0.60885752 -0.89482158 4.40435496 -9.15779102 0.11250107 6.78013621
6.894953 -4.07442825 2.11165029 -4.48068575]

Sample 7793: [3.92529938 0.38730894 0.09051359 8.38572217 3.78712742
-0.21154537
0.64186675 -0.83718449 4.46684326 -9.08889839 0.14125465 6.73220046
6.92746977 -4.11171336 2.20077554 -4.46074796]

Sample 7794: [3.99574177 0.42242254 0.0881785 8.41125136 3.83288053
-0.25984738
0.61163883 -0.92524961 4.46672414 -9.09017746 0.23957505 6.76303708
6.8836941 -4.12175916 2.17538065 -4.45475037]

Sample 7795: [4.07727032 0.39374338 0.10251784 8.34369062 3.81209295
 -0.29453025
 0.66739691 -0.85478695 4.51957929 -9.02399313 0.21863731 6.70638151
 6.81738579 -4.12197977 2.18205142 -4.43658803]
 Sample 7796: [4.0675414 0.47221986 0.07458633 8.19275484 3.83678326
 -0.20663222
 0.69045195 -0.85254688 4.45190125 -8.97730842 0.20589469 6.78322115
 6.83580495 -4.15604533 2.17453727 -4.40070933]
 Sample 7797: [4.1184747 0.44621248 0.07902964 8.12831258 3.78666716
 -0.25019598
 0.70990368 -0.77817669 4.45246816 -8.99702479 0.26249688 6.74057342
 6.89771605 -4.13877573 2.19228417 -4.36601221]
 Sample 7798: [4.17963519 0.49238092 0.06411963 8.11906976 3.81762771
 -0.24978415
 0.65587521 -0.78455492 4.54039965 -9.01657126 0.15455367 6.73988545
 6.92680621 -4.07615235 2.20361974 -4.43894152]
 Sample 7799: [4.18931223 0.43326244 0.07780641 8.06151338 3.87048756
 -0.29967055
 0.6341798 -0.79464174 4.50320413 -8.98206014 0.03136439 6.79878787
 6.90796643 -4.05630054 2.2608579 -4.47293794]
 Sample 7800: [4.13389095 0.44643336 0.09171774 8.01744462 3.83647975
 -0.32894255
 0.61876663 -0.84333796 4.48488385 -8.93043687 0.0489691 6.81170669
 6.935171 -4.10743544 2.2429592 -4.46184422]
 Sample 7801: [4.19564748 0.4030271 0.10069498 7.9654612 3.8479964
 -0.37997724
 0.66383724 -0.86356828 4.41398732 -8.93018879 0.07536879 6.73251181
 6.98187619 -4.0602848 2.18361337 -4.48308314]
 Sample 7802: [4.18088313 0.40107377 0.10183803 8.00667738 3.92301274
 -0.39564254
 0.56515281 -0.89857851 4.40886155 -8.90486978 0.05594391 6.76323637
 6.95731729 -4.04618978 2.29002965 -4.50889991]
 Sample 7803: [4.11404809 0.39339985 0.09768727 8.09097475 3.87482748
 -0.4097499
 0.58293522 -0.83869624 4.45768669 -8.93648223 -0.01094597 6.77006221
 6.967425 -4.1194953 2.30335462 -4.55353223]
 Sample 7804: [4.16218462 0.43463529 0.06831742 8.17814556 3.81793167
 -0.422491
 0.60964723 -0.82285013 4.46851356 -8.97382132 0.04093408 6.75074056
 6.94083031 -4.06545449 2.3490099 -4.58169397]
 Sample 7805: [4.23011411 0.4481115 0.08143571 8.18947119 3.81571267
 -0.40637817
 0.61972969 -0.75416859 4.40629912 -8.96897354 0.10076743 6.75181295
 7.01718408 -4.10119832 2.4023357 -4.53033456]
 Sample 7806: [4.26683306 0.49007442 0.07695804 8.19848839 3.90133564
 -0.38906078
 0.62456271 -0.75827995 4.45187334 -9.01464218 0.06442803 6.75005145
 6.93545949 -4.01109542 2.46978039 -4.59165975]

Sample 7807: [4.2800672 0.45047365 0.07883106 8.18748996 3.9260642
 -0.3681262
 0.70930189 -0.75777501 4.47129731 -9.00919414 0.06742568 6.7779764
 6.89280832 -4.03959559 2.4308068 -4.53189649]
 Sample 7808: [4.25287976 0.47334643 0.08131634 8.13796156 3.90575334
 -0.3742604
 0.78253904 -0.81460482 4.47328919 -9.04629002 -0.03884963 6.88062796
 6.86496599 -4.05180691 2.34677439 -4.55662491]
 Sample 7809: [4.29797814 0.45189249 0.08004584 8.1582771 3.88517972
 -0.37374715
 0.79769331 -0.82511266 4.47518258 -9.03067722 -0.02054011 6.94752081
 6.94399371 -4.05952344 2.23885874 -4.50574832]
 Sample 7810: [4.28941077 0.49652337 0.07409001 8.17093729 3.95231288
 -0.26866567
 0.85131436 -0.8198692 4.42254399 -9.04106177 0.0235247 6.85852734
 6.97905266 -4.11321243 2.30646638 -4.46936813]
 Sample 7811: [4.23260214e+00 4.56249837e-01 8.06071113e-02 8.02335570e+00
 3.94647824e+00 -3.66509866e-01 8.34285093e-01 -8.52506138e-01
 4.44963635e+00 -9.04785048e+00 -3.84692923e-03 6.87582811e+00
 6.93337882e+00 -4.11369777e+00 2.28601037e+00 -4.43545876e+00]
 Sample 7812: [4.24898283 0.48637587 0.0822134 8.02983945 3.89543704
 -0.45057257
 0.85976527 -0.82365973 4.43138849 -9.07930327 0.0345456 6.76742881
 6.99647335 -4.15718766 2.32150988 -4.53739792]
 Sample 7813: [4.19611951 0.54021964 0.06633436 8.0616364 3.86687409
 -0.45512959
 0.82574227 -0.74682454 4.55186061 -9.07966622 0.16005135 6.7474074
 7.09058683 -4.16239544 2.37940599 -4.46603209]
 Sample 7814: [4.17226856 0.46940747 0.08590052 8.1155466 3.97047087
 -0.54560673
 0.82370502 -0.82950774 4.63310287 -9.03754683 0.21033959 6.73412878
 7.10632397 -4.16059073 2.45941032 -4.51326256]
 Sample 7815: [4.16942611 0.4806419 0.08292913 8.17294462 3.92954814
 -0.45316867
 0.85488819 -0.8332415 4.71983151 -9.11212547 0.17365587 6.64026077
 7.11721391 -4.13289737 2.42767164 -4.58740976]
 Sample 7816: [4.11622719 0.43563318 0.09170769 8.11893173 3.94409436
 -0.41810282
 0.74595376 -0.84210179 4.70972521 -9.12410471 0.15123514 6.68023077
 7.16531779 -4.15579771 2.33390779 -4.63982047]
 Sample 7817: [4.22228596 0.43368955 0.08645144 8.10869794 4.02920735
 -0.51584369
 0.69168874 -0.84027909 4.76916544 -9.10255238 0.24677239 6.71734311
 7.13715041 -4.22998573 2.26115686 -4.66793485]
 Sample 7818: [4.18041382 0.43061163 0.08222415 8.06557819 4.06007937
 -0.51963363
 0.7230235 -0.80512084 4.76079816 -9.05250365 0.33419852 6.73419335
 7.09668192 -4.18218242 2.26794945 -4.75702793]

Sample 7819: [4.17447741 0.45215806 0.07031683 8.00638195 4.03199242
 -0.4560058
 0.75720812 -0.79935241 4.7991807 -9.08767457 0.3510948 6.76901052
 7.08492041 -4.15226997 2.18604899 -4.71145498]
 Sample 7820: [4.16717685 0.43634273 0.08285233 7.95146363 4.03146319
 -0.49747283
 0.81338322 -0.81785065 4.84548696 -9.08393842 0.33125591 6.76872784
 7.05731247 -4.14601809 2.16664766 -4.8083445]
 Sample 7821: [4.16017242 0.44529176 0.08841616 7.95626907 4.01650546
 -0.46852874
 0.79327489 -0.78642088 4.76262544 -9.10508711 0.29483354 6.87895247
 7.01975488 -4.16122764 2.17328534 -4.89071719]
 Sample 7822: [4.2688315 0.43795043 0.09807559 7.9403582 4.01993012
 -0.46129937
 0.78506654 -0.81680717 4.78333998 -9.10343429 0.36535067 6.87668377
 7.03861399 -4.17225818 2.13747146 -4.83089488]
 Sample 7823: [4.36340525 0.43693518 0.10274248 7.95799602 3.94047105
 -0.50485737
 0.81198278 -0.83033863 4.77933104 -9.11524128 0.45488511 6.8029218
 7.08068249 -4.17623409 2.11098414 -4.84157877]
 Sample 7824: [4.38827461 0.4494584 0.09711378 7.91115126 3.97102913
 -0.61493862
 0.79364412 -0.81375873 4.74063342 -9.08783201 0.36855042 6.83630544
 7.1880007 -4.09426671 2.09309459 -4.82928124]
 Sample 7825: [4.41535444 0.50538101 0.07469869 7.87180439 3.99503836
 -0.64083885
 0.76814939 -0.73759482 4.80661673 -9.12841288 0.26756805 6.84300754
 7.22193533 -4.13547778 2.04782578 -4.75835058]
 Sample 7826: [4.45242925 0.47737992 0.08603415 7.83603265 4.10899919
 -0.6360336
 0.92992273 -0.82349276 4.81829505 -9.11834344 0.3683923 6.76564994
 7.28333161 -4.12368905 1.98196332 -4.71261896]
 Sample 7827: [4.40820895 0.49320482 0.07996004 7.77190769 4.21696634
 -0.65344586
 0.94945776 -0.85291033 4.84736012 -9.13939696 0.45768509 6.79845457
 7.23196407 -4.15213571 1.94824136 -4.72764771]
 Sample 7828: [4.3724857 0.44453596 0.10465965 7.74522975 4.22234608
 -0.6743298
 0.93170383 -0.88278693 4.88195796 -9.12466477 0.45146423 6.74866227
 7.15937486 -4.21911513 1.9389233 -4.70033724]
 Sample 7829: [4.36343517 0.43538339 0.11632882 7.73951288 4.25410996
 -0.70740737
 0.91971407 -0.9589131 4.77771487 -9.12072525 0.45461634 6.70023315
 7.15251236 -4.28615125 1.88697091 -4.72955858]
 Sample 7830: [4.33158434 0.44561515 0.1262818 7.75688248 4.18434913
 -0.80873001
 1.00533886 -1.0065584 4.79109191 -9.24236429 0.50077691 6.74220324
 7.12862392 -4.32352574 1.89506135 -4.6821329]

Sample 7831: [4.42143617 0.43042463 0.13776225 7.73009383 4.15978787
 -0.66731214
 1.0180588 -1.0159799 4.85810419 -9.36489525 0.53610989 6.77994919
 7.10671191 -4.37006815 1.8951828 -4.72299241]
 Sample 7832: [4.35418899 0.42870435 0.12678327 7.71126584 4.08265768
 -0.69052226
 0.98053046 -1.00490306 4.77032427 -9.30796476 0.55422337 6.72188487
 7.1643716 -4.33549867 1.91888724 -4.76493062]
 Sample 7833: [4.43858657 0.44280629 0.12964812 7.66815819 4.17286042
 -0.67057403
 1.01528764 -1.04899953 4.74135238 -9.35010854 0.65049081 6.74496612
 7.14191151 -4.31945461 1.92596805 -4.81940166]
 Sample 7834: [4.48263693 0.42967017 0.13446976 7.78306647 4.1203124
 -0.66441102
 1.00804618 -0.98305731 4.69588312 -9.41058198 0.75589831 6.75288184
 7.11558169 -4.23579752 1.91312364 -4.82882814]
 Sample 7835: [4.4656168 0.47280371 0.11012088 7.75519029 4.15230263
 -0.6236767
 1.06249171 -0.91724169 4.62262273 -9.43552605 0.78411105 6.73001405
 7.10836842 -4.17427477 1.88393146 -4.82721365]
 Sample 7836: [4.49253683 0.4642812 0.09796348 7.77573014 4.15277037
 -0.63029429
 1.0563264 -0.85879481 4.63487782 -9.38664559 0.75231675 6.70372518
 7.16847451 -4.24300112 1.91172118 -4.83710787]
 Sample 7837: [4.51781952 0.50965437 0.07087572 7.79477838 4.20767274
 -0.70001905
 0.98089475 -0.81331178 4.67356697 -9.46232626 0.73030338 6.72572761
 7.13447345 -4.21906842 1.87608801 -4.82334424]
 Sample 7838: [4.58233482 0.47678936 0.08265191 7.70636683 4.14780432
 -0.62419549
 0.93377735 -0.80580286 4.62729136 -9.55262998 0.68409701 6.75075928
 7.2176269 -4.13720358 1.90946307 -4.67809433]
 Sample 7839: [4.58705081 0.49882137 0.09581229 7.70309084 4.06195815
 -0.64801885
 0.85676075 -0.81058002 4.62599375 -9.50441711 0.69029143 6.7475199
 7.14033984 -4.17116332 1.94202328 -4.72045189]
 Sample 7840: [4.61880992 0.44696606 0.10865418 7.68724835 4.03715444
 -0.58581946
 0.92646641 -0.82730093 4.62048301 -9.5533236 0.6902356 6.74544193
 7.15569853 -4.22013512 1.93815852 -4.80775022]
 Sample 7841: [4.65835587 0.46368427 0.10594172 7.68796999 3.93741908
 -0.53496156
 0.9622275 -0.92508668 4.75510099 -9.56437426 0.61351487 6.78787201
 7.17625139 -4.21799758 1.95055445 -4.80902338]
 Sample 7842: [4.64774326 0.43884038 0.13891434 7.65225944 3.9927201
 -0.58001976
 1.08167869 -0.9768812 4.76548789 -9.53320841 0.63546212 6.81098246
 7.07946409 -4.21386212 1.98870325 -4.75706698]

Sample 7843: [4.62163603 0.43242053 0.14759583 7.65071454 4.02724717
 -0.63250451
 1.02760357 -1.06010187 4.82238669 -9.63027612 0.57001238 6.81136957
 7.08813147 -4.26155396 1.9145193 -4.71640692]
 Sample 7844: [4.60951391 0.43346241 0.13049192 7.63611401 4.02634213
 -0.62442158
 0.99839611 -0.96215979 4.89475583 -9.59472104 0.55072668 6.79493549
 7.10875604 -4.19655303 1.86916392 -4.74281785]
 Sample 7845: [4.59427682 0.45479186 0.11458359 7.67290328 4.00027838
 -0.60826158
 0.94081434 -0.99890823 4.85605069 -9.52115187 0.59411045 6.74997218
 7.11571348 -4.27865648 1.88749212 -4.71451212]
 Sample 7846: [4.51449444 0.40599856 0.15337091 7.65357995 3.93520896
 -0.62065548
 0.9120284 -1.05199981 4.84062287 -9.39859748 0.4881263 6.83205964
 7.05161092 -4.34124633 2.00388694 -4.69869527]
 Sample 7847: [4.48183651 0.40240867 0.15773798 7.63059438 3.97081116
 -0.58986087
 0.88170205 -1.12791829 4.89429998 -9.37679495 0.5535903 6.9194575
 7.16679449 -4.22957722 2.01651783 -4.7199733]
 Sample 7848: [4.38502071 0.38133477 0.15781266 7.65123753 4.13143953
 -0.59787409
 0.82356313 -1.08899455 4.84994417 -9.3689934 0.51451747 6.9720617
 7.19456357 -4.24431786 2.0024239 -4.76361323]
 Sample 7849: [4.33260424 0.3855882 0.16538515 7.54924761 4.16348036
 -0.58869354
 0.82946152 -1.13251143 4.83244214 -9.39752053 0.62534639 6.96900867
 7.128494 -4.27864931 2.03779625 -4.77863155]
 Sample 7850: [4.44499347 0.37206812 0.14540242 7.48906548 4.14243799
 -0.61075562
 0.70767974 -1.05523897 4.87374878 -9.40436173 0.63624552 6.91671026
 7.14236996 -4.30369999 2.10637639 -4.83982709]
 Sample 7851: [4.48308243 0.39574508 0.14047634 7.40989722 4.14223583
 -0.60416085
 0.77300482 -1.06567177 4.84963287 -9.43255565 0.63685065 6.90900437
 7.12038471 -4.24844892 2.14117247 -4.81796168]
 Sample 7852: [4.39285418 0.40899623 0.12962938 7.36275009 4.11126226
 -0.66566837
 0.77347117 -1.07632254 4.8460258 -9.34258724 0.6786812 6.9914612
 7.1952822 -4.2765906 2.16190806 -4.82109516]
 Sample 7853: [4.39640396 0.42283655 0.13174744 7.43748881 4.04440174
 -0.71030507
 0.8655627 -1.04780833 4.73394168 -9.31133886 0.76140103 7.02463917
 7.20270573 -4.2643707 2.09332219 -4.78280776]
 Sample 7854: [4.35068516 0.37594308 0.14042231 7.42068494 3.99150873
 -0.75243354
 0.80292476 -0.99568948 4.7581201 -9.35454376 0.80096248 7.01686377
 7.22873173 -4.23082292 2.08248482 -4.75420124]

Sample 7855: [4.43103223 0.44448833 0.09873627 7.4257233 3.98722214
 -0.71311061
 0.81753822 -0.90844101 4.73913137 -9.34600277 0.7566178 7.00808116
 7.30530197 -4.26184447 2.0276872 -4.92547948]
 Sample 7856: [4.35915956 0.37706761 0.12481203 7.445162 3.99593818
 -0.82618893
 0.77294336 -0.92819653 4.7244263 -9.37239607 0.72416934 7.04575429
 7.35135527 -4.29168929 1.9495093 -4.87031472]
 Sample 7857: [4.32856339 0.40170529 0.12661978 7.44082288 4.00656877
 -0.825355
 0.7923387 -1.0450252 4.72687789 -9.20683483 0.7434931 7.02128473
 7.36886513 -4.33199747 1.96086704 -4.80027712]
 Sample 7858: [4.24824497 0.40618952 0.12008981 7.42158574 3.96412481
 -0.78473499
 0.75847792 -1.00716045 4.72082049 -9.23553786 0.66453781 6.91358831
 7.2705825 -4.40408646 1.99817603 -4.72254386]
 Sample 7859: [4.19640106 0.38134867 0.15035932 7.56812519 4.04470396
 -0.7190134
 0.82472492 -1.05708077 4.72453509 -9.16986999 0.65267768 6.87642946
 7.18376311 -4.40194967 1.93865054 -4.78469963]
 Sample 7860: [4.10370087 0.41409804 0.13811598 7.60612535 4.03455041
 -0.70936168
 0.886234 -1.06636136 4.71303828 -9.10316713 0.70816838 6.84208052
 7.19308765 -4.3809145 1.93593256 -4.80043889]
 Sample 7861: [4.20807084 0.42486465 0.12571238 7.59795084 4.1044302
 -0.69675755
 0.91951128 -1.05352162 4.67013269 -9.01312751 0.67182436 6.93072788
 7.16509318 -4.34718051 1.90459442 -4.83532978]
 Sample 7862: [4.22310246 0.42120804 0.1180073 7.55899167 4.05507318
 -0.71664317
 0.88278504 -0.9928433 4.64078813 -9.02372802 0.6755823 7.00039586
 7.15424214 -4.28414848 1.89670716 -4.80803394]
 Sample 7863: [4.21738825 0.37118919 0.13120392 7.49758492 4.02738842
 -0.80749898
 0.80157634 -0.97491511 4.73148761 -8.9575557 0.66285073 7.05388385
 7.12315752 -4.26935644 1.85895758 -4.79271757]
 Sample 7864: [4.19110874 0.4073972 0.12233187 7.47691631 4.02664197
 -0.76910794
 0.83012191 -1.0143131 4.66168199 -8.96659916 0.61566187 6.98879209
 7.03307393 -4.17515768 1.88831688 -4.74941056]
 Sample 7865: [4.10348544 0.37468344 0.13652213 7.44644302 4.0996056
 -0.94494237
 0.7839627 -0.9984808 4.54376227 -8.9740119 0.62307239 6.96808383
 7.03914672 -4.19557399 1.91356792 -4.83078705]
 Sample 7866: [4.08714307 0.36901392 0.12342682 7.41939823 4.16303623
 -0.89637619
 0.7384143 -1.00876136 4.62008693 -8.98267294 0.63544052 6.97684382
 7.06397259 -4.2351943 1.83567411 -4.86069678]

Sample 7867: [4.0810459 0.34830683 0.14078624 7.39192775 4.17733221
 -0.83745632
 0.67058626 -1.08751434 4.57700198 -8.96428423 0.62365742 6.97897573
 7.1110474 -4.25948327 1.80309651 -4.86096706]
 Sample 7868: [4.13362627 0.33506436 0.1610638 7.38133819 4.17296752
 -0.85996709
 0.6660376 -1.14929755 4.52038598 -9.04303113 0.68478315 6.89040491
 7.16115439 -4.28308666 1.83409527 -4.90172934]
 Sample 7869: [4.11159123 0.33906461 0.14092956 7.34254698 4.17035645
 -0.8958395
 0.64107344 -1.08915815 4.48587197 -8.96223172 0.66702093 6.85642752
 7.17757084 -4.31111213 1.81004319 -4.8570984]
 Sample 7870: [4.10487283 0.33289888 0.12846665 7.40635903 4.20662001
 -0.80895028
 0.59547123 -1.05557899 4.45781709 -8.86702652 0.63961671 6.83591504
 7.26720094 -4.24180012 1.79328228 -4.91135262]
 Sample 7871: [4.1256523 0.31626888 0.11344812 7.42332854 4.3415118
 -0.81216989
 0.46231551 -1.03390798 4.4246065 -8.90801392 0.63078188 6.92637333
 7.30568134 -4.17989749 1.80295167 -4.94846024]
 Sample 7872: [4.10987608 0.31995329 0.10667052 7.44325762 4.27381909
 -0.85514573
 0.47052788 -1.02119736 4.41151912 -8.93726913 0.65358235 6.90604797
 7.35885406 -4.25317332 1.82213917 -4.94147357]
 Sample 7873: [4.08604143 0.30370652 0.11865112 7.40573585 4.26090889
 -0.88993704
 0.46857807 -1.0560533 4.41342569 -8.97969444 0.63347185 6.90758974
 7.31421616 -4.27334146 1.8415756 -4.94963916]
 Sample 7874: [4.12147923 0.29517081 0.11077605 7.42550919 4.19174303
 -0.93338925
 0.40414408 -1.01252011 4.39290309 -8.87120381 0.55881495 6.91763695
 7.29681459 -4.24182032 1.89142338 -4.98598877]
 Sample 7875: [4.10275004 0.29262202 0.11097205 7.28213222 4.13454217
 -0.96182715
 0.38565592 -1.0529913 4.44197067 -8.9188007 0.57525421 6.93115026
 7.31460941 -4.21785942 1.93913344 -4.93617586]
 Sample 7876: [4.0781292 0.29058642 0.11075023 7.24426764 4.07303185
 -1.02539998
 0.37402773 -1.05357091 4.47635322 -8.8599274 0.55506593 6.92306818
 7.31308404 -4.17620535 1.94791222 -4.9174473]
 Sample 7877: [4.11252221 0.30798617 0.12843537 7.27927314 4.04240103
 -0.99636553
 0.48756047 -1.1063473 4.45015483 -8.83231293 0.60244984 6.92427608
 7.28364485 -4.09810871 1.9548919 -4.98684121]
 Sample 7878: [4.098403 0.31382188 0.14277307 7.37680354 4.00183951
 -1.03641114
 0.54925902 -1.17478088 4.40066813 -8.79899234 0.50675312 6.88389859
 7.34316947 -4.06451903 2.05366907 -4.98566777]

Sample 7879: [4.14610085 0.32392117 0.14267614 7.40691019 3.95523326
 -0.97195631
 0.61534691 -1.11267674 4.4382712 -8.7897267 0.39552203 6.83102038
 7.35857934 -4.03429802 2.02668159 -5.01121961]
 Sample 7880: [4.191709 0.30979277 0.16275656 7.44610037 3.96340212
 -0.9286058
 0.62208142 -1.13679649 4.46708023 -8.88500979 0.39166152 6.82911625
 7.33311466 -4.00581916 2.09877648 -5.00015817]
 Sample 7881: [4.10021072 0.32142521 0.16207568 7.45289145 3.94276677
 -0.91507715
 0.6629295 -1.15788214 4.43200784 -8.92710413 0.37408462 6.78167326
 7.38119987 -4.06363331 2.04766822 -4.97644564]
 Sample 7882: [3.97528155 0.31684048 0.14399336 7.38387701 4.04164046
 -0.89978903
 0.60185312 -1.08829434 4.41050093 -8.92282035 0.37356488 6.77374195
 7.34903874 -4.11022089 1.99358267 -5.00340827]
 Sample 7883: [3.98281014 0.31571698 0.16129035 7.4057768 4.04602534
 -0.88919391
 0.64395962 -1.15690839 4.41877999 -8.86600042 0.31699992 6.75637289
 7.44306957 -4.09560524 1.98350618 -5.10012848]
 Sample 7884: [4.05350582 0.31083838 0.18441085 7.42709295 4.03797069
 -0.81427662
 0.65612929 -1.25212122 4.41498101 -8.86635683 0.33659018 6.77835519
 7.49616589 -4.08700847 1.91963908 -5.09792717]
 Sample 7885: [4.03976289 0.33717615 0.17977182 7.34574928 4.06109127
 -0.8807825
 0.77608916 -1.20820383 4.41187951 -8.85227064 0.35126756 6.76000029
 7.47154024 -4.03325693 1.96128276 -5.08292106]
 Sample 7886: [4.03013981 0.33375531 0.17072489 7.30100637 4.08559667
 -0.78189576
 0.75604507 -1.18278916 4.47206785 -8.87810341 0.32699003 6.85167266
 7.53365857 -4.04092945 2.02017652 -5.1365055]
 Sample 7887: [4.06847834 0.31654581 0.18680679 7.36948345 4.07018268
 -0.78875694
 0.69171015 -1.2653742 4.47410213 -8.78541621 0.34990283 6.88461173
 7.54361826 -4.01029443 1.98928594 -5.17802894]
 Sample 7888: [4.08843286 0.32930012 0.18149007 7.36215777 4.09007878
 -0.7238646
 0.73873104 -1.22352604 4.47860675 -8.81196986 0.2875844 6.9077732
 7.48849202 -3.97204256 1.9756127 -5.11263241]
 Sample 7889: [4.06650983 0.30757927 0.17286445 7.3185421 4.06851964
 -0.68572565
 0.63971378 -1.1450218 4.62643452 -8.86037883 0.32729978 6.90655381
 7.4246306 -3.98498952 1.99526356 -5.17814898]
 Sample 7890: [4.10033997 0.32592001 0.1687231 7.31489113 4.10912677
 -0.60842034
 0.71362779 -1.14427578 4.68783101 -8.97424815 0.32807673 6.99501291
 7.44445353 -4.01192767 2.01127472 -5.20331824]

Sample 7891: [4.06592109 0.30946415 0.16312753 7.33014162 4.11360526
 -0.63832899
 0.63448451 -1.15676097 4.6881071 -8.9953428 0.32065302 6.92004334
 7.4658686 -3.89786879 1.94558092 -5.2364795]
 Sample 7892: [4.03600424 0.30264859 0.16863424 7.37772377 4.17775736
 -0.6900867
 0.59358926 -1.17356723 4.62957864 -8.89829941 0.3194613 6.95719481
 7.46235761 -3.89262888 1.90573268 -5.16062569]
 Sample 7893: [4.12392978 0.3001008 0.17411275 7.33912573 4.24785335
 -0.64051157
 0.59401392 -1.24752923 4.66700203 -8.90518116 0.33784807 6.92426526
 7.54423787 -3.91002102 1.96060427 -5.16292945]
 Sample 7894: [4.14771089 0.28414444 0.19728752 7.28611203 4.32548947
 -0.58274824
 0.53233949 -1.39077479 4.7108933 -8.95145547 0.28597165 6.94608292
 7.56781341 -3.88599017 1.87203956 -5.16129767]
 Sample 7895: [4.09024527 0.27507967 0.1959388 7.17873826 4.35715896
 -0.67212679
 0.47004236 -1.39735857 4.65322565 -8.95129482 0.38478445 6.98500567
 7.55792172 -3.86988415 1.87499939 -5.19195539]
 Sample 7896: [4.06691164 0.28935008 0.197419 7.19487545 4.2992652
 -0.70034058
 0.54270693 -1.39964703 4.71657211 -8.95820345 0.47168587 7.01798582
 7.62523695 -3.89729869 1.86938652 -5.17829279]
 Sample 7897: [4.14369731 0.2965332 0.17469664 7.21871807 4.32194155
 -0.65563354
 0.57581238 -1.3244274 4.73894856 -8.95464755 0.34506745 7.05366588
 7.69412085 -3.86314237 1.85608542 -5.17619029]
 Sample 7898: [4.11175279 0.29911579 0.18129162 7.19140252 4.35535841
 -0.71497704
 0.59296747 -1.3167177 4.73890347 -8.99941051 0.22703924 7.07271624
 7.63944015 -3.85667442 1.74495371 -5.23308044]
 Sample 7899: [4.19923775 0.2873178 0.19256913 7.16422667 4.21520381
 -0.6969247
 0.56299118 -1.36864603 4.68838856 -9.00464317 0.18830375 7.04506601
 7.66624651 -3.91249339 1.79198091 -5.30375748]
 Sample 7900: [4.23422808 0.2672897 0.19067804 7.24697994 4.20700049
 -0.66631991
 0.48245552 -1.34464708 4.71786724 -9.02633238 0.24117673 7.1167137
 7.64016633 -3.95588732 1.7847147 -5.30727536]
 Sample 7901: [4.14917588 0.25483633 0.19204378 7.24248757 4.20788967
 -0.56610057
 0.40145088 -1.37675229 4.70238528 -9.03987707 0.20944333 7.10273469
 7.62467969 -3.95783795 1.75051385 -5.32017818]
 Sample 7902: [4.16951291 0.24742816 0.19774199 7.20474672 4.20380491
 -0.59517282
 0.34242329 -1.42165284 4.77058538 -9.038438 0.23456452 7.18261325
 7.65846488 -3.97224918 1.81690751 -5.28388776]

Sample 7903: [4.10787306 0.24958937 0.16817044 7.26579242 4.20455197
 -0.55956949
 0.28894029 -1.38581211 4.69249836 -9.10737588 0.23124454 7.09746112
 7.74284612 -3.98603478 1.82249834 -5.28523577]
 Sample 7904: [4.09080137 0.24531834 0.17265897 7.13465289 4.1908953
 -0.60308236
 0.28886253 -1.367986 4.72402874 -9.09364147 0.34164673 7.20368601
 7.7532717 -4.00615484 1.8224914 -5.22235626]
 Sample 7905: [4.00204059 0.26525942 0.1687179 7.12302487 4.18469357
 -0.622088
 0.36896929 -1.3129077 4.76703695 -9.13495455 0.40151901 7.29202551
 7.80092202 -4.04926547 1.79890118 -5.22229984]
 Sample 7906: [4.02029724 0.26767464 0.14845375 7.22542476 4.29068267
 -0.65866279
 0.35704412 -1.24599545 4.72375255 -9.13244482 0.47415536 7.18806879
 7.7839597 -3.95622752 1.77602787 -5.21708613]
 Sample 7907: [4.07092561 0.27032086 0.14870274 7.28355658 4.26925142
 -0.63968159
 0.37491121 -1.25484187 4.73043238 -9.1341522 0.4465056 7.2397155
 7.80696223 -4.01307716 1.8356307 -5.24635532]
 Sample 7908: [3.95470128 0.26240259 0.15222292 7.34326369 4.37571387
 -0.60728246
 0.34186362 -1.26615504 4.69130488 -9.11831936 0.42633451 7.25648257
 7.87660415 -4.07040395 1.83061825 -5.22818039]
 Sample 7909: [3.94580401 0.24685689 0.13253566 7.28496215 4.44362968
 -0.6482709
 0.26192519 -1.19336579 4.67094526 -9.05020925 0.42521229 7.27183794
 7.85771207 -4.14655282 1.81754876 -5.22194353]
 Sample 7910: [3.96136674 0.25183024 0.11228358 7.31228446 4.50422691
 -0.5832745
 0.22552941 -1.14676338 4.76099947 -9.03170951 0.48460102 7.27310455
 7.77543525 -4.18459794 1.8907524 -5.16856462]
 Sample 7911: [4.04812736 0.25140199 0.10942844 7.38022924 4.56563812
 -0.55041768
 0.20825207 -1.15426961 4.75929401 -9.05915419 0.47873242 7.24471466
 7.91072514 -4.1992591 1.88825403 -5.0884855]
 Sample 7912: [4.01852669 0.25336721 0.11196634 7.32562973 4.60090996
 -0.60001731
 0.22674646 -1.15607931 4.73497849 -9.08364072 0.47232688 7.20199997
 7.95569198 -4.22377746 2.03270732 -5.12034986]
 Sample 7913: [4.06436091 0.25169251 0.1192721 7.25100182 4.58156706
 -0.59158894
 0.22050348 -1.18041341 4.66920102 -9.07200422 0.53785937 7.21026028
 7.94101071 -4.14874823 1.98243348 -5.06352987]
 Sample 7914: [4.09980755 0.24505317 0.10388867 7.2578497 4.59779013
 -0.66125685
 0.17202272 -1.15635606 4.68389888 -9.11435946 0.44828648 7.26774934
 7.95752292 -4.13496826 1.97517645 -5.20919516]

Sample 7915: [4.10356992 0.24238745 0.12457743 7.27591972 4.64148255
 -0.65393038
 0.21829665 -1.20128973 4.74909181 -9.16448648 0.26557821 7.15371893
 7.91739014 -4.18512522 2.02311055 -5.15535657]
 Sample 7916: [4.10772537 0.2368785 0.12081394 7.2590942 4.54232033
 -0.6240873
 0.17476401 -1.26656577 4.70666948 -9.07010635 0.32276412 7.18048677
 7.93530205 -4.18455132 2.02198592 -5.11433061]
 Sample 7917: [4.14084495 0.23665344 0.13449147 7.26120422 4.47401888
 -0.61216001
 0.20995282 -1.27816939 4.75004315 -9.03109955 0.37459864 7.09591405
 7.91078184 -4.12789465 2.00365193 -5.09952267]
 Sample 7918: [4.11769949 0.24681622 0.13201794 7.29226559 4.54508409
 -0.70401827
 0.23296462 -1.29490475 4.63845212 -9.01253705 0.34918091 7.14791819
 8.02224157 -4.06671267 2.12611318 -5.04057224]
 Sample 7919: [4.04798362 0.27704137 0.16413093 7.29521685 4.57098628
 -0.74174352
 0.41307478 -1.33981284 4.68537647 -8.99811826 0.39089259 7.12374017
 8.04757241 -4.10405449 2.10563146 -5.03228068]
 Sample 7920: [4.03403407 0.27787095 0.15738938 7.34769476 4.64519586
 -0.64451191
 0.40829277 -1.32983227 4.71897784 -9.01708695 0.41089989 7.07086254
 8.02639626 -4.10363396 2.06017555 -5.01578624]
 Sample 7921: [4.07711268 0.2578752 0.1525324 7.31472713 4.69204878
 -0.7260868
 0.30563369 -1.36486992 4.82437553 -9.00757427 0.43752634 7.0779046
 8.07506605 -4.1169051 2.00560964 -4.98980866]
 Sample 7922: [3.98064735 0.25673704 0.14422084 7.26995059 4.78521017
 -0.78534603
 0.30089665 -1.31506005 4.81325509 -9.05825495 0.45044837 7.12125657
 8.12217899 -4.14303801 1.93914096 -5.03947828]
 Sample 7923: [4.0509983 0.25265446 0.13909109 7.30483364 4.80407915
 -0.7686869
 0.28542503 -1.29976335 4.83076109 -9.08033242 0.50529847 7.13271128
 8.15736389 -4.15401568 2.02382875 -5.09213835]
 Sample 7924: [4.07287692 0.27602901 0.15405603 7.3168518 4.8076837
 -0.81940494
 0.40604725 -1.31453713 4.79153045 -9.07630493 0.54427667 7.16901759
 8.24420404 -4.15893176 2.04560161 -5.07762881]
 Sample 7925: [4.06352991 0.27254896 0.1650516 7.19603081 4.78364853
 -0.79250987
 0.39281713 -1.35401307 4.79418128 -9.21454069 0.56202057 7.20808406
 8.16350557 -4.15439817 2.09768009 -5.08342546]
 Sample 7926: [4.12843994 0.27542552 0.1501231 7.24628046 4.78591709
 -0.63873649
 0.3715688 -1.36129916 4.80090585 -9.22464269 0.59065014 7.18417961
 8.21636531 -4.13774992 2.1133497 -5.01908324]

Sample 7927: [4.20576217 0.28366183 0.17542223 7.21809706 4.80188116
 -0.58705152
 0.44449919 -1.38774549 4.84528406 -9.2297877 0.54604881 7.13129011
 8.3027383 -4.18531272 2.09866101 -5.022529]
 Sample 7928: [4.1706578 0.28815321 0.16663454 7.34872651 4.86231963
 -0.57941848
 0.44196452 -1.40561503 4.89891055 -9.1844215 0.65478636 7.15736522
 8.31922916 -4.1189349 2.12426443 -4.96826613]
 Sample 7929: [4.1515 0.27929912 0.17479987 7.36110737 4.9592738
 -0.56803735
 0.41318996 -1.42095121 4.82987853 -9.16810982 0.62788753 7.14312602
 8.3086014 -4.16038716 2.1433409 -4.98186109]
 Sample 7930: [4.12733224 0.26263366 0.17541784 7.31504181 4.91212443
 -0.5723615
 0.34779534 -1.42470956 4.83149035 -9.20565342 0.66813288 7.10385893
 8.20718562 -4.12909235 2.19575352 -5.04802519]
 Sample 7931: [4.21346977 0.26693011 0.1663963 7.30202501 4.93144161
 -0.62177939
 0.36613197 -1.36802196 4.88388622 -9.21226302 0.65301507 7.11699634
 8.14883119 -4.1541853 2.22948997 -5.09145971]
 Sample 7932: [4.18706074 0.27744161 0.14377414 7.32326432 4.9560804
 -0.7060845
 0.37530472 -1.34024818 4.87731735 -9.17477533 0.73803521 7.10975981
 8.12562672 -4.11215579 2.17528334 -5.09512298]
 Sample 7933: [4.18408777 0.27308781 0.15893513 7.31901955 4.95807571
 -0.79673684
 0.37313625 -1.31711241 4.89881525 -9.23448412 0.79950286 7.08999338
 8.15169127 -4.08454224 2.18239362 -5.0080815]
 Sample 7934: [4.12829139 0.2594763 0.14530941 7.3810924 4.91078077
 -0.84984545
 0.30928122 -1.28034156 4.8756781 -9.26729518 0.83815783 7.09259045
 8.22211327 -3.99651186 2.26718808 -5.09709793]
 Sample 7935: [4.04541305 0.26916891 0.14615058 7.37491105 4.95081163
 -0.80420753
 0.34743383 -1.31382333 4.96697003 -9.2903373 0.80974088 7.20520304
 8.26224965 -3.98596958 2.2918921 -5.06926958]
 Sample 7936: [4.0188992 0.27152972 0.1272242 7.34688888 4.97799651
 -0.67581111
 0.32363585 -1.22324985 4.94924011 -9.23827884 0.75850444 7.18201136
 8.23009912 -4.0023616 2.31277174 -5.0492331]
 Sample 7937: [3.97299641 0.27033664 0.12923663 7.31159668 5.08555703
 -0.62516603
 0.31611955 -1.23637198 4.96373377 -9.20550467 0.80365779 7.22187431
 8.22383892 -3.99320213 2.41540054 -5.02855801]
 Sample 7938: [3.93237835 0.27263618 0.11088267 7.30680687 5.02639773
 -0.60912116
 0.2762924 -1.16936363 5.00431952 -9.17682737 0.89414482 7.18437286
 8.18658291 -4.04046603 2.42460223 -4.96489109]

Sample 7939: [4.00491105 0.28011215 0.10768219 7.1791994 5.06437605
 -0.60135033
 0.27196252 -1.11803183 5.01692296 -9.18134725 0.89758832 7.25457423
 8.1542879 -4.05284794 2.48019983 -4.8973034]
 Sample 7940: [4.02729202 0.27317374 0.12289695 7.1163933 5.08562828
 -0.61212309
 0.31092674 -1.20865531 5.07436754 -9.20841868 0.87730846 7.21004175
 8.18631073 -4.10976677 2.48703603 -4.92540795]
 Sample 7941: [3.99539792 0.26508239 0.12368179 7.2189492 5.03465069
 -0.63322082
 0.27449574 -1.17157539 4.99446261 -9.30637724 0.8253091 7.22140965
 8.14618583 -4.19298969 2.43152042 -5.00761522]
 Sample 7942: [3.96915781 0.27503989 0.12153269 7.25999508 5.07370943
 -0.65940003
 0.33825478 -1.228926 5.0739072 -9.27176906 0.85007495 7.22218783
 8.12591596 -4.18818631 2.46862374 -5.02478372]
 Sample 7943: [3.97929022 0.25417396 0.13020909 7.22629628 5.02655769
 -0.70735895
 0.25756415 -1.21196912 5.04269719 -9.23497168 0.94503307 7.19108274
 8.16756753 -4.1856878 2.50143062 -5.06764817]
 Sample 7944: [3.97609716 0.25543094 0.13221847 7.28373896 5.03631619
 -0.70484861
 0.27391475 -1.27790264 5.07538169 -9.25424091 0.91978841 7.19343439
 8.1097418 -4.11456913 2.50187961 -5.16879096]
 Sample 7945: [3.98842116 0.26615681 0.16098636 7.3557245 5.03536464
 -0.77933352
 0.38084031 -1.30630198 5.05685957 -9.25255616 0.88496948 7.19253209
 8.18717391 -4.07386807 2.41618826 -5.15745038]
 Sample 7946: [4.08757573 0.26711139 0.13965516 7.46430582 5.16317243
 -0.81230827
 0.34962571 -1.30687824 5.09494507 -9.35640228 0.89311127 7.15267426
 8.27404025 -4.04744892 2.4892985 -5.17553698]
 Sample 7947: [4.13384187 0.25219581 0.14866232 7.45768949 5.22422027
 -0.80858303
 0.28590487 -1.32356175 5.02699758 -9.37314966 0.87961604 7.16827811
 8.4017252 -4.00438554 2.44643057 -5.0735529]
 Sample 7948: [4.16408145 0.24922109 0.14068481 7.4048402 5.13147007
 -0.84052571
 0.26175691 -1.36020287 5.13582402 -9.39002559 0.86662536 7.16614833
 8.31774842 -4.01768169 2.51284037 -5.15794092]
 Sample 7949: [4.15764558 0.25150901 0.15418407 7.36825828 5.1559917
 -0.86898682
 0.30353416 -1.33536421 5.03949903 -9.36820107 1.00775367 7.26812851
 8.28859287 -3.96084724 2.48209522 -5.13508118]
 Sample 7950: [4.0907705 0.25409952 0.12757215 7.31628163 5.20951704
 -0.88024501
 0.26040151 -1.29387625 4.99483043 -9.3763511 1.02575282 7.26845872
 8.33613345 -3.9290316 2.54893908 -5.15576252]

Sample 7951: [4.07144574 0.24547544 0.12771392 7.32776989 5.17974529
 -0.89203733
 0.24367619 -1.22262759 4.93948339 -9.38058737 1.00295864 7.30012923
 8.37014754 -3.9159038 2.52868984 -5.20719504]
 Sample 7952: [4.07666018 0.26145399 0.11679581 7.236774 5.06154683
 -0.84189172
 0.28651261 -1.23442055 4.93856509 -9.34046254 1.03190502 7.27664868
 8.38590043 -3.89032367 2.5321121 -5.15573343]
 Sample 7953: [4.06190956 0.2534722 0.14716047 7.24875267 5.09330219
 -0.83511209
 0.28576018 -1.30263751 5.00846647 -9.32211463 1.05472678 7.2623697
 8.32723516 -3.88988307 2.55849804 -5.05261619]
 Sample 7954: [4.08405332 0.26925272 0.11803577 7.26125948 5.11273411
 -0.88266027
 0.30384594 -1.21940726 5.11267987 -9.26129341 1.11808161 7.32203666
 8.3167581 -3.84295432 2.61747904 -5.10129588]
 Sample 7955: [4.12026242 0.26064477 0.145403 7.34123611 5.08055576
 -0.82501965
 0.32739429 -1.27325148 5.19460581 -9.33606978 1.21156988 7.31780888
 8.28248976 -3.88034661 2.63690094 -5.15242479]
 Sample 7956: [4.12199564 0.25109119 0.14245733 7.36012464 5.03529396
 -0.77812387
 0.27126298 -1.34187174 5.22074371 -9.30286533 1.17067147 7.31705351
 8.38128375 -3.8106424 2.69200777 -5.18730687]
 Sample 7957: [4.14394076 0.24041988 0.12993623 7.29846597 4.98328413
 -0.78710848
 0.22952485 -1.2773262 5.17297291 -9.25487369 1.11647687 7.2377144
 8.34342664 -3.81655647 2.7297731 -5.19349403]
 Sample 7958: [4.27048307 0.25244229 0.14077199 7.22201678 4.95829067
 -0.86183684
 0.28409778 -1.32558679 5.19536438 -9.26070072 1.16914942 7.33750272
 8.34304631 -3.78799874 2.64342567 -5.17787933]
 Sample 7959: [4.23065041 0.25496545 0.15201757 7.24015005 5.02699579
 -0.91648029
 0.30669422 -1.34558304 5.23883194 -9.29154569 1.11961964 7.31421157
 8.31910333 -3.72857514 2.67258762 -5.15079475]
 Sample 7960: [4.26087305 0.26311024 0.13400463 7.30304916 5.09575648
 -0.87050952
 0.32348639 -1.23602998 5.29557127 -9.31558987 1.19152175 7.3222312
 8.28265959 -3.70262969 2.64638007 -5.14301411]
 Sample 7961: [4.29097904 0.26357589 0.12815258 7.23788655 5.10389461
 -0.84238246
 0.30128953 -1.22478516 5.41067858 -9.32000937 1.26815304 7.36018295
 8.39682542 -3.70356558 2.6463356 -5.15122053]
 Sample 7962: [4.29220586 0.2588093 0.13501797 7.28355372 5.09039338
 -0.81866992
 0.26335947 -1.31434915 5.52851731 -9.34627837 1.25333716 7.28053128
 8.33487804 -3.65156539 2.72156727 -5.0657925]

Sample 7963: [4.28124849 0.24906129 0.14573159 7.23530068 5.08489761
 -0.78766656
 0.25790657 -1.32810022 5.55757431 -9.25479646 1.26715913 7.30176372
 8.33729954 -3.66911824 2.7823312 -5.11069296]
 Sample 7964: [4.32204349 0.25273852 0.13842316 7.25614111 5.10640462
 -0.79367759
 0.24777767 -1.33334201 5.54515181 -9.25624593 1.28799889 7.35373293
 8.31935139 -3.55058694 2.78162446 -5.15157852]
 Sample 7965: [4.36792476 0.25096489 0.15216052 7.24842336 5.06233995
 -0.74817313
 0.27780573 -1.35721442 5.57836482 -9.29935987 1.32374577 7.19055812
 8.38134698 -3.59198819 2.75879356 -5.12246768]
 Sample 7966: [4.45798963 0.24179878 0.15772976 7.19417094 5.01016228
 -0.78340326
 0.23473798 -1.44225302 5.60642759 -9.38196173 1.36728884 7.18830671
 8.33651325 -3.69187683 2.77352472 -5.16778324]
 Sample 7967: [4.36248531 0.23928255 0.16144013 7.1663465 5.06555281
 -0.80706304
 0.25210425 -1.42224418 5.6346302 -9.30418828 1.40500464 7.21585283
 8.38163203 -3.75019868 2.81662451 -5.244266]
 Sample 7968: [4.42195208 0.2542978 0.14715916 7.17527349 5.0306148
 -0.79903499
 0.28916702 -1.33574926 5.56848747 -9.28456095 1.46439711 7.24920032
 8.34763952 -3.69342068 2.80922749 -5.23556831]
 Sample 7969: [4.35695884 0.23391601 0.14481914 7.11642824 5.04224441
 -0.76771701
 0.19458118 -1.37374723 5.65216211 -9.3371261 1.47302659 7.20134188
 8.32012752 -3.68551453 2.76736001 -5.17170585]
 Sample 7970: [4.44271551 0.2249762 0.14210734 7.07574275 5.00060735
 -0.7633551
 0.13985528 -1.44830176 5.63393352 -9.39194633 1.44392219 7.14960009
 8.38954918 -3.65158988 2.73705579 -5.16384598]
 Sample 7971: [4.45098205 0.21698016 0.14320163 7.02892054 4.93220876
 -0.77517482
 0.12666229 -1.42422865 5.69734038 -9.34786491 1.43366589 7.08884563
 8.3917961 -3.57688773 2.7187139 -5.12182687]
 Sample 7972: [4.4480545 0.23417065 0.14116712 7.03533118 4.86415878
 -0.77903832
 0.16495837 -1.43556085 5.71434807 -9.33264213 1.46438329 7.15778076
 8.44607006 -3.62959633 2.66784044 -5.14444973]
 Sample 7973: [4.44282665 0.2198218 0.14451203 6.96784902 4.84938118
 -0.70332013
 0.12262401 -1.45734589 5.643803 -9.33840512 1.40024277 7.22356679
 8.49990569 -3.62265168 2.66327421 -5.15786907]
 Sample 7974: [4.39682857 0.2253931 0.15659338 6.95295786 4.91483343
 -0.76892016
 0.17510892 -1.47119407 5.63458362 -9.27414259 1.39220398 7.23924667
 8.52521396 -3.62721649 2.52084797 -5.29435935]

Sample 7975: [4.43908939 0.2174766 0.15594615 6.89037108 4.8722942
 -0.75216377
 0.139842 -1.49997884 5.68494775 -9.22040462 1.37898443 7.26911894
 8.51584327 -3.72194711 2.54262543 -5.32995088]
 Sample 7976: [4.42007222 0.22942573 0.16164525 6.90700229 4.8498691
 -0.81681096
 0.21721232 -1.45604904 5.61523405 -9.06749332 1.4000183 7.18417513
 8.52835315 -3.73166976 2.4966227 -5.28713561]
 Sample 7977: [4.45937153 0.25531022 0.16923172 6.94312374 4.88929906
 -0.72843362
 0.32083281 -1.44998812 5.74425932 -9.06584936 1.43686947 7.15228869
 8.51287466 -3.71092297 2.56988013 -5.21921101]
 Sample 7978: [4.49379972 0.24038462 0.16596266 6.98874643 4.78446538
 -0.70828363
 0.25463193 -1.46879133 5.73281302 -9.11332677 1.34983255 7.07503119
 8.57325824 -3.77149743 2.56936677 -5.18061917]
 Sample 7979: [4.48005338 0.23545239 0.16766911 7.00496231 4.72430521
 -0.6552957
 0.23025713 -1.5150763 5.79749916 -9.08128484 1.31233235 7.13237033
 8.63648339 -3.8787061 2.54677771 -5.24442924]
 Sample 7980: [4.52477082 0.22518712 0.16573376 6.91154952 4.6462075
 -0.71798004
 0.19416113 -1.50943206 5.79603977 -9.13563911 1.28402719 7.10773344
 8.58442531 -3.83559874 2.51720017 -5.25502465]
 Sample 7981: [4.51081758 0.22584769 0.15579103 6.8814336 4.58248849
 -0.66461271
 0.17511357 -1.50214269 5.838897 -9.13063907 1.28354016 7.05318618
 8.59828345 -3.85017433 2.57819495 -5.24602175]
 Sample 7982: [4.55466047 0.22391189 0.1271856 6.95457586 4.70593723
 -0.70144553
 0.12678256 -1.40404731 5.84689418 -9.10370855 1.34265806 7.0984459
 8.55600697 -3.90085459 2.56922497 -5.22434177]
 Sample 7983: [4.52044122 0.21797355 0.1398881 7.02753896 4.71413611
 -0.64717843
 0.13395569 -1.42251363 5.88091863 -9.1629861 1.27309983 7.08627056
 8.63023221 -3.84370971 2.53915951 -5.22526477]
 Sample 7984: [4.48871115 0.21637305 0.1500179 6.97293278 4.7994441
 -0.66584403
 0.1374154 -1.44374518 5.88561445 -9.20868509 1.21622083 7.06719853
 8.57186826 -3.89410649 2.55627761 -5.15260957]
 Sample 7985: [4.42496174 0.22999204 0.13284073 6.982658 4.81072368
 -0.65334058
 0.14341873 -1.4104482 5.88704803 -9.20512414 1.19962239 7.04250962
 8.50785274 -3.93538134 2.54280783 -5.07591507]
 Sample 7986: [4.3935132 0.23841071 0.15483743 6.99286389 4.83764026
 -0.70126083
 0.20381078 -1.4540195 5.93114358 -9.24070846 1.18611132 7.05873034
 8.48446165 -3.93293754 2.57023046 -5.06982253]

Sample 7987: [4.42986048 0.23637522 0.14688872 6.97261171 4.82238647
 -0.62728228
 0.20520464 -1.41362705 5.87144308 -9.22281249 1.16495454 7.02448389
 8.61708375 -3.93524461 2.57167104 -5.1260241]
 Sample 7988: [4.4555994 0.23608637 0.14807335 7.06680348 4.82826801
 -0.60473893
 0.20002631 -1.4509584 5.92071144 -9.22658665 1.18403399 6.95976171
 8.59567639 -3.95193682 2.65237455 -5.14822589]
 Sample 7989: [4.41938254 0.21607934 0.15643037 7.06568475 4.81489898
 -0.65955145
 0.15217852 -1.47197444 5.85104441 -9.23944667 1.19495778 6.94186294
 8.56452089 -4.00821723 2.57486301 -5.15173123]
 Sample 7990: [4.42426502 0.23530139 0.15055619 7.14077802 4.79659911
 -0.67698853
 0.2152498 -1.4686947 5.86424268 -9.19126661 1.21747031 6.97084616
 8.56219895 -3.97098259 2.6161728 -5.2165792]
 Sample 7991: [4.38538989 0.22104906 0.15794491 7.18227297 4.82383102
 -0.69105493
 0.17233101 -1.46865211 5.87446812 -9.148833 1.29498334 6.98011229
 8.61982329 -3.96008581 2.60072261 -5.12785193]
 Sample 7992: [4.3269995 0.23190749 0.16133784 7.18282061 4.72255243
 -0.74515066
 0.21317391 -1.5081224 5.81535987 -9.18429419 1.25080862 6.88102742
 8.62375816 -4.01537012 2.50703734 -5.1820267]
 Sample 7993: [4.28226232 0.24865386 0.17216668 7.22726588 4.76737178
 -0.87862881
 0.29832598 -1.50445191 5.84493505 -9.12306906 1.29262844 6.89391468
 8.6851761 -3.99106418 2.43541215 -5.11631991]
 Sample 7994: [4.21701052 0.2545398 0.14734264 7.31117885 4.77270817
 -0.93689301
 0.31274855 -1.3685425 5.87306512 -9.17062376 1.22786859 6.84842828
 8.67792693 -3.97468806 2.47635253 -5.09621316]
 Sample 7995: [4.1485158 0.2654181 0.1266452 7.36670681 4.76752519
 -0.86866558
 0.33479387 -1.25238837 5.8722511 -9.2451278 1.13224136 6.83035706
 8.65527707 -3.92298193 2.50225789 -5.06758307]
 Sample 7996: [4.08325891 0.25319816 0.12549516 7.33292809 4.76222441
 -0.912947
 0.28159658 -1.26116701 5.99193067 -9.24189987 1.195072 6.85764499
 8.66530168 -3.94278836 2.47480851 -5.15315468]
 Sample 7997: [4.09740952 0.25931917 0.13088326 7.41035928 4.71886766
 -0.97959542
 0.3109596 -1.29337528 5.98758495 -9.18511571 1.28848621 6.86474118
 8.76686753 -3.85546403 2.45425897 -5.09167656]
 Sample 7998: [4.13887209 0.25233903 0.13393401 7.41101057 4.70385303
 -0.96327975
 0.280501 -1.32055562 5.99104956 -9.20755512 1.28430241 6.85841992
 8.82364311 -3.92509782 2.50220569 -5.06126649]

Sample 7999: [4.18461358 0.25120197 0.12509396 7.42881453 4.67221065
 -0.96155036
 0.24539495 -1.32568659 5.97962658 -9.25644785 1.22476513 6.93067212
 8.77466488 -3.86286925 2.54620414 -5.06328817]
 Sample 8000: [4.13947534 0.2581116 0.14033495 7.42001553 4.64786634
 -0.9544334
 0.31514752 -1.32992317 5.986359 -9.24812838 1.28717095 6.94583136
 8.86593136 -3.9344038 2.5396715 -5.09880518]
 Sample 8001: [4.09581163 0.27837357 0.14539064 7.55792779 4.63174583
 -0.92042561
 0.42436597 -1.36051676 5.97947198 -9.3499437 1.20429234 6.97547936
 8.89709183 -3.94763772 2.52714463 -5.1039926]
 Sample 8002: [4.06214687 0.2811945 0.15678362 7.4779129 4.62996676
 -0.89786617
 0.44058791 -1.36253939 6.0538798 -9.34024293 1.18744626 7.01053157
 8.81544489 -3.95831593 2.56175627 -5.11804652]
 Sample 8003: [4.0558532 0.2950227 0.14790833 7.39384463 4.5756205
 -0.89244507
 0.49181154 -1.35695146 6.03257414 -9.37315671 1.31615873 7.06519757
 8.88812978 -3.92083995 2.58680364 -5.08541931]
 Sample 8004: [4.08344007 0.2990851 0.16063107 7.43990247 4.6071449
 -0.90974113
 0.50142757 -1.36325499 6.00415708 -9.39686508 1.39584354 7.12440217
 8.88078727 -3.92905715 2.5236725 -5.04455407]
 Sample 8005: [4.03517715 0.29549562 0.14518686 7.44912912 4.64908626
 -0.86430031
 0.47976352 -1.3486519 5.98358544 -9.44329394 1.44680857 7.06695917
 8.79083157 -3.92913641 2.5021327 -5.05247186]
 Sample 8006: [4.0167372 0.29366739 0.16635478 7.37450878 4.60639596
 -0.92380963
 0.4827693 -1.39317346 5.96291281 -9.45430852 1.47398668 7.12480446
 8.75012102 -3.92807816 2.57251534 -5.05108626]
 Sample 8007: [3.97700517 0.28506186 0.15680332 7.33759843 4.60219679
 -0.92859167
 0.44493134 -1.4065329 6.01360372 -9.44001404 1.48702155 7.07450423
 8.72237972 -3.93154425 2.63195522 -5.07110871]
 Sample 8008: [4.05562795 0.2971485 0.1705775 7.37112319 4.60191754
 -0.86508808
 0.49040498 -1.43699181 5.96202144 -9.35325301 1.42229978 7.13095569
 8.66347539 -3.874646 2.59987024 -4.98557946]
 Sample 8009: [4.07839947 0.27328448 0.14452999 7.46322389 4.54028697
 -0.86700966
 0.34878691 -1.35880781 5.96491162 -9.41912494 1.49298935 7.12919821
 8.57693622 -3.85209411 2.58710238 -4.92741982]
 Sample 8010: [4.02206185 0.29536986 0.15163865 7.54086714 4.55995624
 -0.82932907
 0.45142484 -1.34664196 5.98324503 -9.3793076 1.50045995 7.17592895
 8.57119948 -3.89247435 2.5960998 -4.90607812]

Sample 8011: [3.97467247 0.30691885 0.13217356 7.63334895 4.53476619
-0.8678845
0.47739444 -1.31359458 6.07294746 -9.38677077 1.44286905 7.15572844
8.59670727 -3.80459543 2.60470306 -4.83252477]
Sample 8012: [3.96093574 0.28771995 0.13501388 7.66613455 4.60502538
-0.83372551
0.39321398 -1.25011718 6.07779287 -9.26830303 1.38644808 7.1861555
8.63286189 -3.84100449 2.63149135 -4.87839482]
Sample 8013: [3.99163719 0.28835445 0.12899473 7.63616066 4.62457116
-0.9316109
0.42594259 -1.29512669 6.1015777 -9.25922812 1.46710068 7.10214189
8.66746787 -3.80146213 2.644922 -4.92982017]
Sample 8014: [4.01273149 0.2797361 0.14531196 7.72898185 4.6108344
-1.03159239
0.40745537 -1.31173667 6.02706885 -9.1861092 1.37909053 6.96411044
8.73366195 -3.86217941 2.72665139 -4.91403213]
Sample 8015: [3.90108129 0.26480857 0.11408004 7.76883709 4.62745852
-1.06471115
0.30687033 -1.27915785 6.02906899 -9.08545068 1.34086951 6.96958236
8.87525261 -3.81063728 2.71634382 -4.89230843]
Sample 8016: [3.89673761 0.28360367 0.14993153 7.75465726 4.60577788
-1.00897276
0.44501335 -1.32856239 6.00088936 -9.04856237 1.31991077 6.96996214
8.80613717 -3.83559291 2.64995003 -4.93593893]
Sample 8017: [3.90603397 0.29341092 0.12958815 7.71010726 4.56568443
-1.0004994
0.48336655 -1.29931309 6.06184076 -9.08746673 1.42725926 6.99896956
8.79072021 -3.75406604 2.66631627 -4.95927509]
Sample 8018: [3.91860104 0.32260398 0.13220541 7.7622836 4.50015501
-0.97128337
0.57771729 -1.1996255 6.06053511 -9.04530729 1.45419915 7.05907768
8.83365381 -3.79226967 2.71932867 -4.99580314]
Sample 8019: [3.94239534 0.28396334 0.11915218 7.82629855 4.61491651
-0.90985529
0.43703467 -1.25113176 6.06302163 -9.06171058 1.5002071 7.04543105
8.79350579 -3.74591053 2.70372531 -5.05930586]
Sample 8020: [3.93954686 0.29365667 0.1215738 7.82837358 4.64424474
-0.87239637
0.42160085 -1.15382876 6.04683718 -9.14464209 1.53787006 7.10116764
8.73637121 -3.7432012 2.75676609 -5.01082057]
Sample 8021: [3.90677061 0.28613092 0.10086941 7.85546104 4.66425006
-0.81849572
0.39569186 -1.1564863 6.02034337 -9.13888341 1.55223946 7.09860011
8.68340839 -3.79945571 2.75387842 -5.01213007]
Sample 8022: [3.95589844 0.29640161 0.13436109 7.8050316 4.70703425
-0.78318805
0.46460405 -1.20469113 6.13932549 -9.15770626 1.55667643 7.12288159
8.61387386 -3.85957003 2.79739838 -4.91906413]

Sample 8023: [3.89562882 0.31153546 0.12260181 7.77586333 4.75224733
 -0.80100912
 0.52179337 -1.24577142 6.22699845 -9.06505523 1.51691158 7.06164513
 8.60991764 -3.8376738 2.86414325 -4.84634828]
 Sample 8024: [3.83914309 0.30285215 0.14210036 7.77283473 4.68835984
 -0.84352464
 0.47367461 -1.28409639 6.14365321 -9.0333179 1.53750535 7.09811612
 8.5979494 -3.81061659 2.91321956 -4.90884034]
 Sample 8025: [3.82057448 0.32906677 0.12773853 7.82067343 4.66786362
 -0.89101781
 0.56313939 -1.24182732 6.16119805 -9.05648594 1.54831895 7.08599217
 8.61424451 -3.71257164 2.92797759 -4.82213259]
 Sample 8026: [3.70597188 0.33413998 0.11965209 7.80841621 4.6966569
 -0.88838543
 0.53950003 -1.21711113 6.21747857 -9.039897 1.56515889 7.02533152
 8.64647163 -3.76427534 2.98375975 -4.73176904]
 Sample 8027: [3.76288629 0.31859798 0.11579148 7.89693542 4.61891652
 -0.94715744
 0.4883376 -1.16495141 6.20633068 -8.98607115 1.50460063 7.14243938
 8.56325125 -3.74266241 2.99312561 -4.85631151]
 Sample 8028: [3.7975577 0.3115548 0.10934683 7.85132034 4.76713922
 -1.05519479
 0.38889122 -1.15566262 6.21762512 -9.07886546 1.54894943 7.1415626
 8.61419288 -3.70072389 3.04725407 -4.8751866]
 Sample 8029: [3.85153949 0.32600307 0.09096808 7.84789831 4.83716437
 -1.01709475
 0.38579875 -1.06903412 6.12208382 -9.0451401 1.58232792 7.18909062
 8.69930978 -3.7330697 3.02589791 -4.87528327]
 Sample 8030: [3.92322661 0.34162098 0.08115908 7.80502147 4.86269878
 -1.03442931
 0.3374612 -1.03217929 6.09603907 -9.04253817 1.68733671 7.2763483
 8.72417666 -3.77220434 3.04455704 -4.83214574]
 Sample 8031: [3.98915135 0.32690197 0.07710598 7.74286069 4.8818063
 -1.0150483
 0.1883592 -0.99950584 6.01819842 -9.12560122 1.71571148 7.1915769
 8.81101759 -3.73260992 3.10334363 -4.81639447]
 Sample 8032: [4.07387785 0.31508439 0.06329237 7.74911798 4.86283974
 -0.98354901
 0.16507607 -0.98690286 6.01946475 -9.21746961 1.78934339 7.22397073
 8.78964139 -3.77546541 3.03959351 -4.8221109]
 Sample 8033: [4.06954936 0.36421554 0.06308841 7.70826977 4.84752551
 -0.98177539
 0.20091381 -0.87593928 6.06908199 -9.28788009 1.80949957 7.11718448
 8.7727211 -3.69641099 2.92361033 -4.89458504]
 Sample 8034: [4.13577698 0.33503142 0.07060653 7.80500675 4.85397388
 -1.03901397
 0.18183806 -0.9587203 6.048666 -9.25005792 1.68895408 7.10248319
 8.74292109 -3.68476119 2.91998065 -4.84563341]

Sample 8035: [4.16059833 0.30327625 0.07169938 7.76071094 4.81739408
 -1.09089299
 0.23966283 -0.98745946 6.00159394 -9.31283289 1.63276819 7.11208644
 8.7786058 -3.643769 2.9145658 -4.8966143]
 Sample 8036: [4.08560395 0.32143019 0.0825517 7.70494627 4.78388099
 -1.11256692
 0.28936796 -1.03058029 6.01171535 -9.2945812 1.62178154 7.12066049
 8.78563769 -3.60605598 2.79359896 -4.88604762]
 Sample 8037: [4.07515572 0.31799984 0.07246488 7.72701957 4.73391406
 -1.06589894
 0.22094317 -1.00808985 6.04494093 -9.32084449 1.65910471 7.08040971
 8.78866142 -3.59694212 2.82870371 -4.87767944]
 Sample 8038: [4.11788379 0.30343127 0.06722376 7.79227999 4.63488156
 -1.11015453
 0.17568338 -0.96519951 6.14272367 -9.44814306 1.63621596 7.05482613
 8.79611375 -3.61876266 2.91730988 -4.9359739]
 Sample 8039: [4.14375721 0.27248253 0.07936542 7.80654554 4.62258037
 -1.06536412
 0.20417058 -1.04760791 6.12739533 -9.41859299 1.67460357 7.02385464
 8.86302087 -3.68296595 2.88477029 -5.02837327]
 Sample 8040: [4.17751987 0.26532323 0.10638929 7.64674577 4.63473433
 -1.04330958
 0.28214317 -1.17394931 6.09389081 -9.44705666 1.62496562 6.98012009
 8.95233348 -3.73542081 2.97849549 -5.02470931]
 Sample 8041: [4.20903829 0.27584197 0.10836478 7.6186662 4.64739132
 -0.98589253
 0.3424008 -1.18078753 6.16315657 -9.4515614 1.57476129 7.0046923
 8.91041578 -3.74353258 3.02064697 -5.05552906]
 Sample 8042: [4.22949259 0.26954647 0.10259652 7.62250234 4.62744934
 -0.98170605
 0.30177496 -1.15088124 6.21270428 -9.43002919 1.53830201 6.95487019
 8.83858118 -3.7481052 3.02066385 -5.09892863]
 Sample 8043: [4.24344611 0.27886476 0.11705624 7.61219197 4.53694234
 -0.94126384
 0.39409093 -1.18420405 6.21421114 -9.38271827 1.52155064 6.9803737
 8.86232419 -3.78486914 3.01719802 -5.17469008]
 Sample 8044: [4.20791394 0.28212816 0.11520901 7.61586303 4.56394239
 -0.96014763
 0.4045657 -1.17788908 6.21445004 -9.36140092 1.46062436 6.93449326
 8.85062446 -3.8361795 2.93422285 -5.15076794]
 Sample 8045: [4.2116646 0.28359067 0.12163806 7.71368622 4.59361812
 -0.82155755
 0.41597067 -1.20563434 6.28219613 -9.39270202 1.49559858 6.93581485
 8.89401047 -3.80905134 2.98623484 -5.10992776]
 Sample 8046: [4.18052452 0.2808789 0.11881614 7.7171902 4.53725856
 -0.83768738
 0.41406218 -1.21187843 6.19169207 -9.39482781 1.65881549 6.93239916
 8.95082283 -3.89543525 3.01064087 -5.14984269]

Sample 8047: [4.16139469 0.29087405 0.13477699 7.79870675 4.58340305
 -0.80031548
 0.47365145 -1.27333242 6.16207057 -9.32136959 1.68830321 6.95592157
 8.97298934 -3.93346067 3.11644246 -5.0848988]
 Sample 8048: [4.14961546 0.2756177 0.12956405 7.76811601 4.55928019
 -0.82155664
 0.40323711 -1.27709826 6.13695006 -9.33656004 1.65389477 6.88818213
 8.96705469 -4.01964295 3.2034799 -5.10680818]
 Sample 8049: [4.19367269 0.28066011 0.1262552 7.77857301 4.50228796
 -0.81080014
 0.42302816 -1.23090203 6.19363381 -9.3941026 1.64240426 6.89813983
 8.94999189 -4.11774487 3.17727126 -5.15819376]
 Sample 8050: [4.19839802 0.27203932 0.14211775 7.71746108 4.54364453
 -0.84027536
 0.40788709 -1.33113246 6.18560634 -9.43405635 1.68024243 6.98697552
 8.93567527 -4.12257821 3.08376835 -5.18163669]
 Sample 8051: [4.17146484 0.25019705 0.13384528 7.77699129 4.49959243
 -0.8173053
 0.28908272 -1.31652449 6.1608693 -9.42176732 1.66851612 6.98453966
 9.02373661 -4.17673957 3.09659653 -5.10582938]
 Sample 8052: [4.09896978 0.24981626 0.10933325 7.72217826 4.51764592
 -0.85006642
 0.24893906 -1.27530717 6.16358109 -9.45968751 1.63711334 7.06294171
 9.01918255 -4.18730817 3.07154834 -5.1230886]
 Sample 8053: [4.05171336 0.24235957 0.14057365 7.76233637 4.58876877
 -0.81262043
 0.25026878 -1.38275764 6.19575457 -9.50057307 1.72069554 7.05746921
 9.01727481 -4.14080792 3.16417195 -5.06729596]
 Sample 8054: [3.97467862 0.26124306 0.14310837 7.74886224 4.58429663
 -0.82033249
 0.33799551 -1.39932432 6.18464615 -9.54904532 1.66574975 7.11588918
 9.01086206 -4.12323321 3.21719615 -5.09589408]
 Sample 8055: [3.9553776 0.25146004 0.15101322 7.80038039 4.57605245
 -0.82005574
 0.29738133 -1.41210994 6.14468015 -9.5464108 1.75168169 7.01804781
 8.97955631 -4.08848161 3.21174827 -5.14628397]
 Sample 8056: [3.99500312 0.25699178 0.15279455 7.73541735 4.62699391
 -0.78052298
 0.31262031 -1.43693341 6.16515361 -9.52026297 1.68580266 6.99991042
 8.98907489 -4.02636099 3.24693799 -5.10718737]
 Sample 8057: [3.88756084 0.24561643 0.15516162 7.74217911 4.51293151
 -0.76651075
 0.27272795 -1.44232391 6.12815401 -9.51300936 1.5924414 6.96602444
 9.0437959 -4.00929277 3.15849605 -5.1597111]
 Sample 8058: [3.94779685 0.26085414 0.13838735 7.79207505 4.53556641
 -0.76703609
 0.33384227 -1.33940748 6.1577314 -9.51631417 1.53767344 6.88289256
 9.04666459 -3.98698863 3.25569316 -5.17386009]

Sample 8059: [3.9623988 0.26636168 0.14246428 7.76824875 4.60684488
 -0.6958852
 0.38387463 -1.32606185 6.13197841 -9.48238576 1.54900807 6.91854523
 8.98768205 -3.96275798 3.41946012 -5.24461658]
 Sample 8060: [3.96405708 0.2832601 0.13224954 7.81887002 4.57368223
 -0.65648596
 0.45087931 -1.26525917 6.19498893 -9.51007742 1.58386564 6.83858325
 8.99493862 -4.01948868 3.45949061 -5.19469807]
 Sample 8061: [3.91263302 0.28691539 0.14445567 7.78230893 4.60740984
 -0.62855284
 0.48588793 -1.31317772 6.29665092 -9.5011272 1.53798868 6.88835555
 9.01682504 -3.97111664 3.55334378 -5.2208074]
 Sample 8062: [3.92909237 0.29987931 0.13482839 7.71816937 4.71730627
 -0.66181342
 0.53149443 -1.26460791 6.37224614 -9.51607702 1.49434057 6.91438199
 8.9597361 -3.93676033 3.57322831 -5.20835723]
 Sample 8063: [3.98324775 0.30171249 0.13829166 7.74668381 4.71013979
 -0.7452565
 0.54090303 -1.25881469 6.47963684 -9.51014691 1.53730358 6.85649467
 8.87807126 -3.96010686 3.57227386 -5.18740533]
 Sample 8064: [4.01939231 0.30333352 0.14817806 7.70114071 4.75157875
 -0.72724739
 0.5664647 -1.30434079 6.44279554 -9.45247383 1.42617971 6.9033909
 8.91259398 -3.97292685 3.65033094 -5.23085276]
 Sample 8065: [3.98071087 0.30845746 0.16629598 7.79720455 4.66606837
 -0.77817279
 0.62340597 -1.3997896 6.46709995 -9.40238264 1.42881229 6.90293266
 8.96942653 -3.93736852 3.52894179 -5.3013108]
 Sample 8066: [3.93287479 0.31995004 0.18998751 7.77465928 4.67666866
 -0.87726662
 0.69351373 -1.4847487 6.47706202 -9.31568137 1.28909473 6.91952322
 8.86936659 -3.9180067 3.53810722 -5.33566038]
 Sample 8067: [3.91058246 0.32082901 0.17280545 7.84219374 4.65749823
 -0.88363921
 0.7009078 -1.46873331 6.46049494 -9.26063539 1.30932011 6.87950835
 8.83336473 -4.06342986 3.51852246 -5.36974652]
 Sample 8068: [3.96398152 0.32176707 0.18782475 7.8940484 4.65706239
 -0.90395315
 0.7093741 -1.46511726 6.46402907 -9.22923914 1.42976951 6.9009791
 8.7953594 -4.08854872 3.54947544 -5.37133715]
 Sample 8069: [4.03416376 0.32299591 0.17696766 7.92384943 4.67694749
 -0.92142293
 0.70271608 -1.4230365 6.50320928 -9.19038539 1.36089054 6.85961544
 8.85768661 -4.06204548 3.47405601 -5.29015124]
 Sample 8070: [4.07045976 0.33197854 0.15868964 7.97108972 4.65659386
 -0.99677419
 0.74151866 -1.3660849 6.47502844 -9.17336425 1.28728946 6.86527547
 8.78519944 -4.10783067 3.52013509 -5.29896639]

Sample 8071: [4.00828603 0.31488267 0.16009622 7.98391234 4.69964873
 -0.94440699
 0.65076336 -1.32133766 6.48606471 -9.1742372 1.28806354 6.82912254
 8.88433779 -4.09258565 3.52441731 -5.28959421]
 Sample 8072: [4.08006203 0.32089705 0.15160798 8.02868316 4.70816129
 -1.02929979
 0.67678615 -1.34154949 6.54201193 -9.10103847 1.22434843 6.8753411
 9.02442696 -4.03700056 3.58024513 -5.27910675]
 Sample 8073: [4.05028114 0.32388377 0.13843602 8.07908005 4.76481373
 -1.05129091
 0.67154934 -1.24365036 6.55092921 -9.03460801 1.18910809 6.77356414
 9.07734524 -4.09646431 3.63360123 -5.3301984]
 Sample 8074: [4.08298867 0.31112189 0.15012483 8.06504358 4.73861488
 -1.01121353
 0.65609136 -1.31530202 6.55681416 -9.07788802 1.15277082 6.66975159
 9.07604458 -4.11822447 3.56318169 -5.3948892]
 Sample 8075: [4.12652608 0.31257394 0.14515427 8.07836919 4.80087491
 -0.95552386
 0.64960413 -1.30263766 6.55564478 -9.02848251 1.10411317 6.66979092
 9.19717586 -4.11937061 3.60820575 -5.3559951]
 Sample 8076: [4.15492761 0.31165293 0.14096448 8.02905392 4.80351745
 -0.93305924
 0.62706931 -1.28285666 6.63334151 -9.00260363 1.11282802 6.62402115
 9.17207862 -4.17235167 3.56961967 -5.31904784]
 Sample 8077: [4.12570088 0.2935951 0.13736772 8.0374641 4.77180915
 -0.93080097
 0.54871107 -1.28250176 6.66279552 -8.96798457 1.0547685 6.6565574
 9.12283336 -4.05698882 3.64210609 -5.295171]
 Sample 8078: [4.12584892 0.2908726 0.13970274 8.05177794 4.79194523
 -0.9745412
 0.53382902 -1.27774658 6.59114376 -9.01614552 1.1012737 6.63970637
 9.12308524 -4.00666719 3.74408856 -5.2891385]
 Sample 8079: [4.12153866 0.29199995 0.13471829 8.0711212 4.73310456
 -0.99599712
 0.52757749 -1.27603804 6.62279042 -9.07101024 1.1729343 6.6738948
 9.14760901 -4.01449982 3.8003658 -5.25849029]
 Sample 8080: [4.06746527 0.28324632 0.13386275 8.09019417 4.81252425
 -1.00205261
 0.48858191 -1.25642309 6.66854465 -9.04689232 1.10237244 6.62326882
 9.10632486 -4.01922337 3.79812155 -5.2937546]
 Sample 8081: [4.06893068 0.27547782 0.14931246 8.10169939 4.86041555
 -0.92821106
 0.49224071 -1.35350238 6.66956949 -9.02056163 1.11181452 6.56727481
 9.11296188 -4.05979302 3.90115898 -5.33481913]
 Sample 8082: [4.13957146 0.2763111 0.16392535 8.07628058 4.86402739
 -0.89886195
 0.51627665 -1.38481098 6.74355474 -9.01551926 1.13785077 6.53479945
 9.10730749 -4.00989509 3.92353904 -5.3558796]

Sample 8083: [4.19988673 0.28299876 0.16471301 8.16246717 4.92206902
 -0.96766981
 0.55790126 -1.39739443 6.79536197 -9.0363795 1.06552735 6.5467359
 9.05075146 -4.09438798 3.98979715 -5.42396781]
 Sample 8084: [4.26058372 0.28809541 0.1631578 8.1200867 4.9208211
 -1.07886111
 0.60568535 -1.34068376 6.83032975 -9.01497865 1.06020002 6.52156485
 8.98681456 -4.10083491 3.92155589 -5.55985941]
 Sample 8085: [4.26562939 0.26793141 0.13914204 8.11660366 4.85070013
 -1.04666371
 0.49095293 -1.27245364 6.72638599 -9.02896627 0.97655055 6.5395666
 9.02305016 -4.0811529 4.04891137 -5.60696727]
 Sample 8086: [4.24199291 0.26954573 0.14346731 8.16538732 4.89583342
 -1.07222114
 0.49771973 -1.22089413 6.78305417 -8.95937444 1.07085859 6.47546019
 9.05348007 -4.0999211 4.00167422 -5.60490503]
 Sample 8087: [4.16114423 0.26817319 0.13026808 8.18148878 4.86001249
 -1.11131141
 0.51111496 -1.25450493 6.71430677 -8.93195091 1.09730095 6.63362426
 9.09039829 -4.0571887 4.03324713 -5.65025039]
 Sample 8088: [4.06224425 0.25062685 0.15001619 8.24142875 4.89050683
 -1.24356007
 0.44405072 -1.2712752 6.68083674 -9.06305312 1.06557416 6.62157063
 9.15634373 -4.09908328 4.01910127 -5.62028121]
 Sample 8089: [4.03728601 0.24939434 0.13192005 8.18547836 4.90794105
 -1.22824461
 0.41366983 -1.29161739 6.68073714 -9.08197042 1.0852978 6.56875628
 9.10826439 -4.12356536 4.09495728 -5.68762861]
 Sample 8090: [4.0189974 0.24505992 0.16509972 8.18059792 4.94035812
 -1.25762358
 0.4318607 -1.33040258 6.58796214 -9.15636851 1.08010598 6.62719286
 9.05396331 -4.08920175 4.06331278 -5.72988051]
 Sample 8091: [4.00109148 0.24275935 0.1348042 8.27331753 4.91047459
 -1.3131804
 0.38353686 -1.29365402 6.60618394 -9.10904047 1.02120695 6.62341338
 9.04042664 -3.9856031 3.94703842 -5.71483995]
 Sample 8092: [3.93661129 0.23372999 0.12835627 8.34560554 4.87027682
 -1.43221884
 0.32887699 -1.20426703 6.60466708 -9.15550796 1.04661621 6.62461907
 9.11521139 -3.89554992 3.89894444 -5.7507639]
 Sample 8093: [3.92197002 0.24507443 0.11360814 8.42512922 4.9338722
 -1.38003569
 0.37599637 -1.19432106 6.59537804 -9.23066859 0.98977307 6.63677569
 9.19052371 -3.8950023 3.92808316 -5.77015427]
 Sample 8094: [3.85327448 0.22642385 0.12644967 8.45241607 4.92688917
 -1.3638057
 0.29188657 -1.23330539 6.56850741 -9.18039735 0.96483051 6.57352099
 9.23953963 -3.84829775 3.84649583 -5.67149524]

Sample 8095: [3.79961238 0.23267105 0.12133105 8.51917866 4.87151546
 -1.3963082
 0.34000221 -1.25821518 6.60825314 -9.18545874 1.01880479 6.53333522
 9.20634944 -3.91224621 3.80854654 -5.69018676]
 Sample 8096: [3.81541218 0.24438508 0.12746946 8.47999549 4.84844721
 -1.4706497
 0.36484712 -1.21507079 6.59752545 -9.22524978 1.05836057 6.59677661
 9.23916981 -3.88595523 3.83716596 -5.67523214]
 Sample 8097: [3.75330634 0.2383986 0.12335821 8.51336016 4.80409667
 -1.46358848
 0.33439594 -1.24523336 6.54792263 -9.27939287 1.06427197 6.61856342
 9.21351196 -3.88309034 3.75461795 -5.70131501]
 Sample 8098: [3.7534901 0.24741165 0.126406 8.4459256 4.77190201
 -1.46388743
 0.36220362 -1.2154871 6.53904364 -9.22210731 1.074527 6.6367771
 9.2120117 -3.93447116 3.76901187 -5.73881978]
 Sample 8099: [3.78581518 0.24312076 0.12749031 8.42223256 4.79942914
 -1.4326227
 0.39459827 -1.24154092 6.54050191 -9.28734481 1.04211491 6.55855113
 9.27486358 -3.91679524 3.73786533 -5.80227661]
 Sample 8100: [3.87485463 0.24060498 0.12938977 8.4012101 4.84686074
 -1.47887028
 0.36592533 -1.21407973 6.51079285 -9.27110011 1.04198149 6.64340391
 9.29887768 -3.85032773 3.79526683 -5.81782998]
 Sample 8101: [3.87269524 0.25824826 0.12574054 8.43386247 4.79672035
 -1.43728313
 0.45274617 -1.20178504 6.62087933 -9.30327905 1.07823118 6.64801514
 9.22124959 -3.88302645 3.85299217 -5.85339672]
 Sample 8102: [3.89629917 0.26158788 0.13200004 8.44353933 4.79658356
 -1.39285334
 0.46433905 -1.18321383 6.60827085 -9.16044466 1.08315266 6.64491481
 9.18596245 -3.84659022 3.8154248 -5.81134707]
 Sample 8103: [3.88869264 0.26269293 0.12285488 8.46204446 4.80950043
 -1.40980203
 0.48239921 -1.17769083 6.53442859 -9.17649535 1.01534581 6.5649001
 9.2516997 -3.95594021 3.80002127 -5.89313419]
 Sample 8104: [3.93102063 0.2603714 0.13840926 8.44203105 4.81202521
 -1.4275961
 0.47437838 -1.19032811 6.49479982 -9.15152969 0.94061153 6.59530682
 9.2454059 -3.92592407 3.73472004 -5.93596399]
 Sample 8105: [3.98899842 0.24223892 0.11420577 8.42494581 4.82438063
 -1.35954208
 0.3533621 -1.18328837 6.5780118 -9.1941572 0.94713001 6.64668065
 9.27192777 -3.95381945 3.74428195 -5.93542654]
 Sample 8106: [4.02837894 0.23750425 0.11975428 8.4007598 4.86066971
 -1.35924761
 0.290358 -1.18815937 6.55198299 -9.16441133 0.95776366 6.7472911
 9.25911053 -3.9553213 3.8027778 -5.91439412]

Sample 8107: [3.98658944 0.22050312 0.12813822 8.47445497 4.88411709
 -1.40601284
 0.2810977 -1.25544707 6.59191991 -9.13898226 0.90240203 6.73744375
 9.14829379 -3.97858298 3.8058667 -5.9297545]
 Sample 8108: [4.01967658 0.22643762 0.1242389 8.41109453 4.89356107
 -1.33041182
 0.31190119 -1.20717731 6.49215626 -9.13117054 0.95933494 6.70492804
 9.11306104 -4.04091072 3.83150438 -5.93051728]
 Sample 8109: [4.08079987 0.23148906 0.12722283 8.44090555 4.82855754
 -1.41775124
 0.35031809 -1.21122023 6.43584999 -9.10649298 0.89223436 6.68628437
 9.15522445 -4.11046872 3.78211299 -5.96343451]
 Sample 8110: [4.10984295 0.23330087 0.13802744 8.37684725 4.83382926
 -1.46648072
 0.37907884 -1.25309157 6.4728809 -9.08351786 0.8527224 6.63090989
 9.12066375 -4.06997231 3.7342648 -5.94681442]
 Sample 8111: [4.09836664 0.22893506 0.12310959 8.37518446 4.8128522
 -1.46623441
 0.35154911 -1.18714347 6.46945776 -9.01594848 0.82387556 6.6287453
 9.09937703 -4.16859566 3.74558855 -5.99597224]
 Sample 8112: [4.11163175 0.2117914 0.11567306 8.38837006 4.90329644
 -1.51847736
 0.26868225 -1.19709894 6.47944267 -9.01996685 0.86443501 6.61574156
 9.11196254 -4.16115579 3.77450683 -5.97457144]
 Sample 8113: [4.04591034 0.20609731 0.12298262 8.3699295 4.96901595
 -1.53631888
 0.24981173 -1.2978618 6.42675509 -8.99978208 0.88972907 6.59005091
 9.1505575 -4.15920863 3.76664895 -5.911341]
 Sample 8114: [3.98114911 0.19360074 0.13460161 8.41643915 5.01776686
 -1.50826642
 0.21405121 -1.37840217 6.42138505 -9.07308921 0.822949 6.57179392
 9.1980214 -4.16320799 3.76328903 -5.80460378]
 Sample 8115: [3.89953604 0.20766699 0.14909474 8.44827696 5.00832937
 -1.55651672
 0.28631131 -1.43298789 6.41238761 -9.12203089 0.85740398 6.52584733
 9.2106215 -4.12189389 3.70197907 -5.83989478]
 Sample 8116: [3.84967548 0.19644494 0.16494545 8.45573121 5.00176657
 -1.47984652
 0.25697274 -1.49562511 6.38937405 -9.06449939 0.85287836 6.5214308
 9.2858113 -4.20357595 3.75370152 -5.77929603]
 Sample 8117: [3.89561133 0.20090894 0.13709079 8.41853138 4.96402377
 -1.47948517
 0.23825322 -1.42504718 6.33051353 -8.9843406 0.78911241 6.44208594
 9.30844968 -4.12686482 3.73676752 -5.75326392]
 Sample 8118: [3.9393074 0.20075097 0.15624832 8.42412859 5.02298935
 -1.42178904
 0.25488335 -1.50105799 6.41652366 -8.97311064 0.79236724 6.3563438
 9.28166789 -4.11863666 3.84098732 -5.71787055]

Sample 8119: [3.92987854 0.19933014 0.14240482 8.40832038 4.99359257
 -1.37641093
 0.2276295 -1.43578816 6.40601643 -8.89088778 0.71975637 6.43500867
 9.28641347 -4.04881052 3.83373243 -5.66011827]
 Sample 8120: [3.96850957 0.19252936 0.13283899 8.45975949 5.02675484
 -1.37754755
 0.1922712 -1.44654888 6.44610667 -8.89321149 0.76460085 6.38205193
 9.27779128 -3.98656832 3.78296651 -5.73262303]
 Sample 8121: [4.01365124 0.1889264 0.1523101 8.48312637 5.0783605
 -1.40177063
 0.20889966 -1.49819406 6.42200717 -8.9284724 0.66210276 6.37402362
 9.26970331 -4.01474663 3.850763 -5.75671235]
 Sample 8122: [4.01265498 0.19968618 0.13473501 8.50598171 5.04469831
 -1.42373659
 0.23093409 -1.40441739 6.41739401 -8.94471293 0.77717892 6.43473967
 9.29403473 -4.0887815 3.85825255 -5.74902876]
 Sample 8123: [4.03416231 0.20661036 0.1443469 8.48662059 5.008952
 -1.41210796
 0.26731182 -1.43395811 6.42745356 -8.93926548 0.84046147 6.43637323
 9.26078915 -4.1115867 3.81411382 -5.74257076]
 Sample 8124: [4.03237378 0.21203512 0.15333043 8.53651778 5.01208965
 -1.39723137
 0.30148417 -1.43754385 6.50071076 -8.95135963 0.84543115 6.45633205
 9.2535189 -4.08531645 3.87107844 -5.6960576]
 Sample 8125: [4.0053865 0.2216655 0.16512364 8.54222501 5.06428402
 -1.37458364
 0.35154238 -1.45314648 6.4838226 -8.93999032 0.87692233 6.50144735
 9.2658719 -4.2148039 3.8114294 -5.6519458]
 Sample 8126: [4.03017296 0.21829694 0.15848705 8.49213259 5.08114965
 -1.32907194
 0.33636873 -1.45512005 6.47124958 -8.9095758 0.74752055 6.41036118
 9.28690283 -4.26820912 3.7782787 -5.62230229]
 Sample 8127: [4.04998696 0.21345716 0.13744953 8.53793518 5.05103405
 -1.30930366
 0.31261487 -1.35334352 6.49431733 -8.95546588 0.7566877 6.33754618
 9.16825087 -4.37781418 3.77991465 -5.64415398]
 Sample 8128: [4.04780056 0.22560386 0.14502819 8.56481893 4.95753247
 -1.34677852
 0.37476163 -1.34000873 6.46171657 -8.97231564 0.72400154 6.38894186
 9.15404454 -4.38277688 3.76595137 -5.66534248]
 Sample 8129: [4.03620319 0.23381086 0.14898673 8.54052611 4.9425467
 -1.32558913
 0.4298444 -1.34492025 6.50935475 -8.97628898 0.76104338 6.33528126
 9.12702097 -4.37492707 3.76850958 -5.67296191]
 Sample 8130: [4.02366878 0.2370558 0.15182468 8.52184894 4.90017258
 -1.27291644
 0.43305938 -1.33845627 6.53453262 -8.94131798 0.78981477 6.32635582
 9.12950885 -4.40084806 3.68224572 -5.66657135]

Sample 8131: [4.03861737 0.21537503 0.12503766 8.45803571 4.87282119
 -1.33212116
 0.29045765 -1.28682092 6.45839024 -8.94361536 0.80112811 6.29008622
 9.04524085 -4.42723479 3.73403407 -5.65706795]
 Sample 8132: [4.02678729 0.21658092 0.13096717 8.46751022 4.86855495
 -1.27897968
 0.31054235 -1.27219871 6.50414637 -8.94854016 0.76673104 6.36587558
 9.07065116 -4.47180745 3.75429856 -5.67286475]
 Sample 8133: [4.06462684 0.21689404 0.12062641 8.38715041 4.84085231
 -1.30090195
 0.29900419 -1.28164227 6.51744547 -8.91013222 0.8188279 6.27672634
 9.09906109 -4.41537629 3.79869185 -5.64113636]
 Sample 8134: [4.12376171 0.21481559 0.13703249 8.42698346 4.81900515
 -1.26035344
 0.33525696 -1.29550138 6.4703877 -8.88551114 0.80321253 6.21861592
 9.05716971 -4.464727 3.90945774 -5.69113457]
 Sample 8135: [4.10124465 0.21789897 0.13911974 8.44899671 4.89033639
 -1.22257353
 0.34067112 -1.35312624 6.41804795 -8.8229768 0.72854193 6.23467482
 9.0477251 -4.47859677 3.91025054 -5.63953003]
 Sample 8136: [4.12866442 0.20930399 0.15487751 8.42747587 4.92301051
 -1.24364619
 0.32715498 -1.40683802 6.47813777 -8.800034 0.70983738 6.18630154
 9.02416554 -4.46597539 3.95676826 -5.6513633]
 Sample 8137: [4.08837456 0.2323592 0.17116437 8.46885467 4.81372336
 -1.25835451
 0.44038048 -1.44812599 6.51214514 -8.82291362 0.70608555 6.2231583
 8.99477768 -4.41227284 4.02567124 -5.6592846]
 Sample 8138: [4.14545677 0.24445786 0.1818006 8.42771881 4.82755465
 -1.19483726
 0.51332377 -1.46894744 6.54814217 -8.87352231 0.77830939 6.15979002
 9.02863531 -4.37700224 3.98965245 -5.63833756]
 Sample 8139: [4.13328306 0.2555214 0.1762113 8.39612832 4.83663173
 -1.21811118
 0.56788605 -1.39138068 6.59771956 -8.87714763 0.78828938 6.14936528
 8.8508653 -4.36108022 3.90571032 -5.63827927]
 Sample 8140: [4.15285166 0.24055435 0.17026234 8.43284221 4.77238996
 -1.21883044
 0.49565551 -1.38694768 6.59743878 -8.8958329 0.80608695 6.15039033
 8.90247571 -4.40731867 3.90117884 -5.66270343]
 Sample 8141: [4.13756581 0.25283252 0.14893428 8.45674509 4.74711227
 -1.17826238
 0.52238392 -1.31394273 6.58975644 -8.91536387 0.76131597 6.17389513
 8.93683168 -4.37977343 3.83920321 -5.59224558]
 Sample 8142: [4.19289472 0.24845915 0.16314797 8.42439752 4.74215964
 -1.18620755
 0.51152902 -1.37390374 6.65718389 -8.91703592 0.71966214 6.13119316
 8.93998646 -4.47366647 3.82778725 -5.55724408]

Sample 8143: [4.27255152 0.25033067 0.1646822 8.40610492 4.75226309
-1.14908125
0.50875134 -1.37502023 6.69776106 -8.9682214 0.69293257 6.20012591
8.90359634 -4.46260331 3.77089162 -5.54081914]
Sample 8144: [4.32786388 0.24832065 0.14601429 8.43415027 4.75482525
-1.18594602
0.48974268 -1.31068649 6.66106581 -9.05396279 0.68663727 6.14381416
8.95754963 -4.45291529 3.76351033 -5.54568267]
Sample 8145: [4.29653024 0.24042828 0.13703989 8.443161 4.75534667
-1.13471208
0.41613749 -1.2471729 6.6964997 -9.07463048 0.67872125 6.2159057
8.90041232 -4.39827752 3.74801952 -5.48299963]
Sample 8146: [4.32919622 0.22818473 0.12699528 8.49072495 4.69509393
-1.08684659
0.35597045 -1.26427377 6.6943054 -9.06474892 0.68145882 6.25626069
8.89330554 -4.41051021 3.76326588 -5.55713403]
Sample 8147: [4.33036901 0.2334964 0.13845824 8.53027592 4.66797666
-1.0794875
0.39301758 -1.26722078 6.71066829 -9.00555432 0.6345459 6.26554538
9.0096286 -4.39591697 3.77631852 -5.56511406]
Sample 8148: [4.3976855 0.22405605 0.11550235 8.59948376 4.69059231
-1.03130859
0.30467211 -1.22480463 6.72735356 -9.04190844 0.58560795 6.28816457
9.01059463 -4.40505381 3.73508102 -5.55709114]
Sample 8149: [4.3042787 0.22962614 0.11621334 8.5451881 4.61291092
-1.09273302
0.32687263 -1.19842111 6.72342052 -9.0003918 0.66472233 6.38989369
9.05980585 -4.43976529 3.77325125 -5.60563653]
Sample 8150: [4.27961057 0.25080907 0.10457625 8.49556479 4.51241183
-1.11861217
0.36697536 -1.10855085 6.68960973 -8.92093337 0.69243314 6.4216234
9.0284073 -4.43338855 3.75889026 -5.57071263]
Sample 8151: [4.28940517 0.25770831 0.10637949 8.51132691 4.51145092
-1.07131457
0.38172287 -1.11013587 6.67239683 -9.01212694 0.71719123 6.44279325
9.03404727 -4.42647913 3.76388661 -5.48826674]
Sample 8152: [4.22228424 0.24343137 0.09160627 8.48489828 4.48098571
-1.04645823
0.28169604 -1.10830685 6.65711553 -9.08044262 0.64963428 6.53605897
9.0951812 -4.49959827 3.71338639 -5.51400251]
Sample 8153: [4.27325173 0.25391659 0.11538512 8.45025918 4.48252147
-1.01364849
0.38812926 -1.13955649 6.7396956 -8.98914548 0.65808337 6.55984101
9.06834511 -4.46270482 3.65162924 -5.54448211]
Sample 8154: [4.36003473 0.23496752 0.12077666 8.45485211 4.58967753
-0.95210774
0.35677132 -1.21963447 6.78041536 -9.05422371 0.7205466 6.55818289
9.07365375 -4.51254606 3.64093074 -5.61710107]

Sample 8155: [4.37558417 0.24444365 0.12633993 8.40144115 4.52737893
 -0.98489633
 0.41974426 -1.19870563 6.86858877 -9.04628103 0.72430974 6.60751208
 9.0848229 -4.50406896 3.69043702 -5.66209781]
 Sample 8156: [4.36636154 0.23677598 0.11395823 8.37237305 4.52224824
 -0.98526541
 0.35379314 -1.18675766 6.8330866 -8.99435801 0.7554623 6.6649499
 9.1892073 -4.55742996 3.73365694 -5.71135418]
 Sample 8157: [4.371156 0.23004354 0.11724706 8.35037127 4.53767544
 -1.00901345
 0.29498984 -1.19728433 6.85965716 -8.92587989 0.72077039 6.71384736
 9.19904404 -4.55864727 3.68921445 -5.77267418]
 Sample 8158: [4.49910374 0.22486556 0.11486308 8.35326209 4.56798523
 -1.00345952
 0.23225029 -1.23791451 6.86382647 -8.97830976 0.71462309 6.76306658
 9.21524713 -4.55286831 3.77707832 -5.71402238]
 Sample 8159: [4.62123628 0.21505686 0.10806601 8.36696535 4.54503843
 -1.03540955
 0.1993278 -1.17932783 6.8301334 -8.95013948 0.69677171 6.73966603
 9.21989968 -4.49436268 3.76497729 -5.84875404]
 Sample 8160: [4.59651978 0.21278635 0.12031684 8.3246803 4.62392474
 -1.08097465
 0.2306996 -1.23830719 6.88614092 -8.90436508 0.70052349 6.74764617
 9.13567847 -4.54756302 3.8264569 -5.84301771]
 Sample 8161: [4.55147782 0.20835314 0.10342948 8.29853177 4.6528938
 -1.12590989
 0.14735645 -1.20068074 6.88685596 -8.90249473 0.74207865 6.7398343
 9.12735895 -4.53263276 3.79562749 -5.81019522]
 Sample 8162: [4.55852687 0.22434645 0.10398996 8.33849098 4.6769146
 -1.1680304
 0.20820757 -1.15363903 6.8105323 -8.91793143 0.76645886 6.74471062
 9.14430072 -4.5312827 3.80909264 -5.82541368]
 Sample 8163: [4.5311694 0.22660013 0.08638616 8.31971057 4.6652678
 -1.21325511
 0.1337421 -1.10259419 6.84557111 -8.87686598 0.78836048 6.69399137
 9.12111172 -4.3827979 3.78556862 -5.82631736]
 Sample 8164: [4.55345531 0.21307414 0.10346474 8.40207748 4.66259319
 -1.20330339
 0.19838664 -1.1732836 6.89939792 -8.82189971 0.73370309 6.75645618
 9.15556612 -4.4159015 3.67178702 -5.85512659]
 Sample 8165: [4.5462112 0.2040598 0.09693536 8.39813465 4.67931419
 -1.16303407
 0.1784358 -1.21356337 6.88974724 -8.8975245 0.6782615 6.80233977
 9.19262134 -4.49606486 3.68984093 -5.95515063]
 Sample 8166: [4.52469128 0.20865915 0.10740115 8.39978801 4.71444758
 -1.21825063
 0.25908274 -1.20754429 6.93496518 -8.89107013 0.74878481 6.8904712
 9.25981393 -4.52693627 3.72863139 -5.98355385]

Sample 8167: [4.47210556 0.20304686 0.11415555 8.48666171 4.76339271
 -1.22965953
 0.23374538 -1.27275693 6.92465456 -8.83538211 0.78969267 6.84338038
 9.24047913 -4.51627298 3.72593833 -5.99275204]
 Sample 8168: [4.56463086 0.20626529 0.10649591 8.4160154 4.78259941
 -1.17117376
 0.24326138 -1.24944539 6.90268492 -8.85367808 0.86804076 6.87604015
 9.32690003 -4.66238088 3.67100631 -5.95397863]
 Sample 8169: [4.55935404 0.20367727 0.1015424 8.43673403 4.69458329
 -1.25533919
 0.20899237 -1.24947223 6.96023692 -8.79804751 0.8481604 6.86449763
 9.37300495 -4.69912153 3.5847844 -6.00866279]
 Sample 8170: [4.54606412 0.20649463 0.11968494 8.55953102 4.75520394
 -1.36221924
 0.2511591 -1.31407529 6.94988614 -8.80399054 0.78455172 6.86244476
 9.40109609 -4.69545957 3.59874412 -5.95615701]
 Sample 8171: [4.59719569 0.21283546 0.13976956 8.50794168 4.7353878
 -1.40209135
 0.30183436 -1.36993356 6.93821819 -8.7861485 0.74879728 6.90369155
 9.35870403 -4.76848475 3.64105192 -5.93166552]
 Sample 8172: [4.63532821 0.21226932 0.14480501 8.55911819 4.71005546
 -1.34294518
 0.3046968 -1.39306688 6.99760397 -8.79710571 0.75555506 6.92590448
 9.37119139 -4.83706147 3.54193289 -5.98206036]
 Sample 8173: [4.68795165 0.23478496 0.13659496 8.56872763 4.64767881
 -1.33700425
 0.34699655 -1.32030278 7.04353262 -8.77193246 0.79129505 7.05829182
 9.37859785 -4.85515034 3.49564605 -5.89444754]
 Sample 8174: [4.63567312 0.23132869 0.12342639 8.66296082 4.64297799
 -1.30959119
 0.36627112 -1.23104329 7.08639347 -8.78138177 0.79692027 7.01484441
 9.42727429 -4.8294958 3.51864203 -5.90323348]
 Sample 8175: [4.66643922 0.2280909 0.12983681 8.62810076 4.6786283
 -1.3510306
 0.31531206 -1.28896852 7.06926467 -8.67957096 0.77468916 6.97790128
 9.40810007 -4.85119989 3.53023105 -5.87453334]
 Sample 8176: [4.63893512 0.2144341 0.12483882 8.70978138 4.68012258
 -1.36119997
 0.27095392 -1.28806516 7.11743929 -8.66595157 0.85022 7.01848037
 9.35952848 -4.84760242 3.49966481 -5.80346598]
 Sample 8177: [4.57531049 0.22966315 0.1267202 8.62100577 4.65361966
 -1.38003582
 0.29765647 -1.26930041 7.155561 -8.60247253 0.92026592 7.01949311
 9.36946866 -4.81107349 3.46870707 -5.7768022]
 Sample 8178: [4.50394785 0.24397374 0.11578126 8.55212934 4.66833071
 -1.2653326
 0.37572385 -1.22733737 7.19821751 -8.54682054 0.98525603 6.97254597
 9.4469264 -4.90279546 3.44913956 -5.75754961]

Sample 8179: [4.49775721 0.24781379 0.10979122 8.54362946 4.70472899
 -1.30886058
 0.35181469 -1.133667 7.18758586 -8.55120058 0.95904156 6.94525263
 9.44120834 -4.90589816 3.50011244 -5.76171431]
 Sample 8180: [4.41505468 0.24064441 0.11809736 8.60207738 4.68482149
 -1.38188405
 0.35797838 -1.24805864 7.18919612 -8.53060575 0.97800378 6.81892525
 9.485398 -4.85768829 3.45167588 -5.74766433]
 Sample 8181: [4.37612772 0.26543214 0.14114945 8.66448632 4.64898974
 -1.45599314
 0.46032057 -1.25887025 7.23658865 -8.46978663 1.02123513 6.88717168
 9.56064646 -4.86445756 3.52860201 -5.73549028]
 Sample 8182: [4.40715018 0.2654297 0.1205116 8.61636424 4.69153985
 -1.41083392
 0.44279785 -1.23695797 7.2038682 -8.54156513 1.00449805 6.93933691
 9.54909098 -4.83868204 3.57172543 -5.69263496]
 Sample 8183: [4.45362111 0.27612576 0.14628436 8.56255333 4.76126486
 -1.3611759
 0.50826725 -1.28408879 7.29045401 -8.52725075 1.01198731 6.96504823
 9.51499583 -4.85260638 3.61795229 -5.59490625]
 Sample 8184: [4.49894892 0.25843261 0.14060583 8.48232928 4.82229115
 -1.31167717
 0.45187146 -1.35778302 7.21585847 -8.55951904 0.98261547 6.97432129
 9.57214011 -4.85806078 3.63054742 -5.61252901]
 Sample 8185: [4.48445325 0.23599539 0.17184761 8.46413433 4.80239796
 -1.34866092
 0.40573163 -1.46798267 7.28298216 -8.48455977 0.97378929 6.96722437
 9.58354554 -4.89773803 3.71538303 -5.65693695]
 Sample 8186: [4.49181781 0.25007128 0.16605617 8.50158995 4.77491838
 -1.32988004
 0.46149181 -1.50220002 7.34052994 -8.49780373 1.00341319 6.87425405
 9.63498247 -4.84131501 3.73464717 -5.62550506]
 Sample 8187: [4.37752833 0.24277194 0.17160276 8.40398786 4.85198471
 -1.31218256
 0.44842622 -1.47031887 7.25616701 -8.54059763 1.07194435 6.90931555
 9.69698123 -4.8386253 3.66238387 -5.71047455]
 Sample 8188: [4.41475157 0.23535557 0.15489669 8.42312744 4.76844289
 -1.30446265
 0.37200904 -1.493164 7.22293167 -8.5184167 1.06933607 6.96181346
 9.6655357 -4.82121747 3.61017696 -5.67615173]
 Sample 8189: [4.45927947 0.24585811 0.18756981 8.33747435 4.74294828
 -1.32780771
 0.42692468 -1.53278358 7.24732972 -8.44826999 1.09590363 6.93087247
 9.74322568 -4.76515944 3.57476411 -5.70969337]
 Sample 8190: [4.4312261 0.25641572 0.16462256 8.29293784 4.64138798
 -1.36000219
 0.46749363 -1.48060661 7.25148221 -8.48454228 1.1522001 6.95256308
 9.77826466 -4.79046661 3.56112001 -5.70778605]

Sample 8191: [4.39043879 0.26678523 0.1709877 8.25378604 4.62839055
 -1.3385905
 0.50675901 -1.42339779 7.21757279 -8.44321193 1.11022245 6.92053714
 9.84137208 -4.69351515 3.52280901 -5.66751508]
 Sample 8192: [4.33837727 0.25484373 0.15270042 8.30409903 4.67009904
 -1.2673753
 0.43177626 -1.40853066 7.25340064 -8.38470027 1.11804587 6.85372872
 9.83902828 -4.65223807 3.44840018 -5.74222165]
 Sample 8193: [4.34704122 0.23725245 0.15718652 8.38655154 4.57184339
 -1.27176871
 0.37410382 -1.40809826 7.1969826 -8.39974353 1.18736776 6.83310991
 9.80030802 -4.49527837 3.41165566 -5.81479902]
 Sample 8194: [4.29566391 0.22509511 0.14558258 8.34847332 4.59999926
 -1.20008786
 0.30240314 -1.4198581 7.259244 -8.37854521 1.14350884 6.78732711
 9.77116336 -4.45936839 3.33960048 -5.9070267]
 Sample 8195: [4.28262229 0.19410576 0.14864444 8.32145788 4.67052481
 -1.22446485
 0.19544215 -1.47076794 7.27513589 -8.39823503 1.17882819 6.78540451
 9.80822339 -4.46095729 3.35787143 -5.97319202]
 Sample 8196: [4.27631577 0.2098873 0.15682381 8.33432706 4.66718684
 -1.1638033
 0.25475974 -1.45467345 7.28588523 -8.4363395 1.11593693 6.75646843
 9.89291429 -4.44312481 3.38319907 -5.96105532]
 Sample 8197: [4.30034803 0.22057001 0.14884037 8.33299124 4.59271372
 -1.16081147
 0.29089657 -1.40153997 7.31147424 -8.44739077 1.12709532 6.65878583
 9.86316879 -4.41772639 3.39179064 -5.92673803]
 Sample 8198: [4.31798972 0.2146511 0.13828907 8.33224667 4.56364328
 -1.09661456
 0.28262997 -1.35307257 7.34306375 -8.47580175 1.12973711 6.66583527
 9.86795885 -4.37836492 3.37778326 -5.94063866]
 Sample 8199: [4.36179727 0.21849589 0.13614381 8.10492324 4.58198225
 -1.12188159
 0.27155361 -1.3332795 7.29468396 -8.47366246 1.15008063 6.69110948
 9.80368128 -4.42742171 3.32741324 -5.92502785]
 Sample 8200: [4.38328503 0.22844652 0.12033238 8.09008694 4.50664578
 -1.19380842
 0.27848501 -1.25630733 7.34733624 -8.37000806 1.13377957 6.7645626
 9.74284313 -4.45428152 3.34656894 -5.89919466]
 Sample 8201: [4.39578943 0.22935842 0.10640213 8.08261841 4.55101632
 -1.13262513
 0.25790724 -1.19881957 7.32723093 -8.37448706 1.24420673 6.7054618
 9.76138816 -4.50673167 3.30251705 -5.87199079]
 Sample 8202: [4.46132023 0.24530917 0.09910294 8.12797976 4.57048193
 -1.09864143
 0.25502965 -1.13871884 7.3709245 -8.46987865 1.20959603 6.75407679
 9.82620622 -4.61758269 3.39543009 -5.84968736]

Sample 8203: [4.50215119 0.25794445 0.08667728 8.13256069 4.65446907
 -1.10580423
 0.29945495 -1.09387988 7.27724083 -8.36435725 1.22230751 6.78999276
 9.7756452 -4.52173464 3.43533542 -5.80635698]
 Sample 8204: [4.38971231 0.26327041 0.09128616 8.10584086 4.69654563
 -1.09988369
 0.34541353 -1.0874559 7.26129564 -8.42550827 1.16629017 6.79593621
 9.80685689 -4.53826028 3.41650482 -5.76900395]
 Sample 8205: [4.5187003 0.26150745 0.08991512 8.11316644 4.74422253
 -1.04392675
 0.3151252 -1.06960424 7.28627747 -8.45247315 1.14856058 6.69032453
 9.82445738 -4.52574997 3.38253932 -5.75014907]
 Sample 8206: [4.47977502 0.27037976 0.09039686 8.09873234 4.7957407
 -1.12500058
 0.29468451 -1.03571981 7.21082557 -8.46791792 1.06810302 6.68911715
 9.80754697 -4.6042442 3.43446141 -5.68750773]
 Sample 8207: [4.45624247 0.28486773 0.08352777 8.12729283 4.82316652
 -1.05299214
 0.35873798 -1.02420072 7.23875772 -8.47244351 1.02532727 6.76124672
 9.79929523 -4.57909159 3.45917554 -5.69913054]
 Sample 8208: [4.46632743 0.28753652 0.06998587 8.07302408 4.8309205
 -1.06203125
 0.30648593 -1.00356388 7.2174315 -8.4945055 1.08411151 6.75020129
 9.6880316 -4.57921037 3.52680994 -5.69041011]
 Sample 8209: [4.43880641 0.26395634 0.09298592 8.10745944 4.88082513
 -1.11879337
 0.30343803 -1.08694577 7.19702068 -8.46101102 1.11867174 6.75033526
 9.6568385 -4.47271285 3.5643021 -5.7031123]
 Sample 8210: [4.46916335 0.28068295 0.08685311 8.11279914 4.79801877
 -1.07844771
 0.39019809 -1.09278567 7.23025699 -8.4589416 1.14677366 6.77183684
 9.64284982 -4.47977839 3.55991743 -5.65280573]
 Sample 8211: [4.47604712 0.28686262 0.09709836 8.05872177 4.80945301
 -1.00870233
 0.39760496 -1.07281118 7.19530042 -8.5081125 1.01527665 6.75441931
 9.61579545 -4.48185865 3.61081596 -5.64660133]
 Sample 8212: [4.43887842 0.29595701 0.0814833 8.07507067 4.79925472
 -0.93831336
 0.43192589 -1.05227339 7.14533629 -8.46799364 1.0470443 6.76064066
 9.64134781 -4.47989976 3.62576938 -5.66655323]
 Sample 8213: [4.59795468 0.30764207 0.10961464 8.05872348 4.78682761
 -0.91527875
 0.57142482 -1.1060074 7.11118303 -8.52162715 1.04233495 6.78311142
 9.59499787 -4.41135854 3.6961068 -5.71969273]
 Sample 8214: [4.55728381 0.31434534 0.09264018 8.12107485 4.7939984
 -0.86185476
 0.51697936 -1.05474698 7.08373254 -8.54012589 1.02615566 6.81767135
 9.64745513 -4.32372962 3.70090332 -5.70457911]

Sample 8215: [4.609538 0.30046706 0.09216856 8.1097962 4.78638552
 -0.82062072
 0.50271713 -1.04902139 7.03428058 -8.51094722 1.07862876 6.78301853
 9.6059882 -4.3156378 3.72912212 -5.70085543]
 Sample 8216: [4.56892239 0.29420861 0.09846161 8.19645387 4.77369888
 -0.85223529
 0.47817368 -1.06963284 7.11714286 -8.51529036 1.02159794 6.78069626
 9.61248053 -4.37392603 3.78479472 -5.70395261]
 Sample 8217: [4.52670574 0.28054848 0.10449734 8.22966632 4.71132749
 -0.88252204
 0.45504799 -1.14225637 7.07424711 -8.50033763 0.96769984 6.77375499
 9.57866817 -4.39706223 3.86084006 -5.60412144]
 Sample 8218: [4.49059924 0.28525846 0.10251451 8.32569781 4.75276664
 -0.931252
 0.46152158 -1.10586134 7.11168677 -8.44613559 0.89737557 6.69985462
 9.50874954 -4.37998404 3.7913978 -5.61803526]
 Sample 8219: [4.43826075 0.31596091 0.08696895 8.29138916 4.85951023
 -0.92638813
 0.47456921 -1.02348677 7.10144115 -8.43940531 0.91618691 6.64035389
 9.43713988 -4.35819157 3.84453369 -5.51353652]
 Sample 8220: [4.37902547 0.33428088 0.0747809 8.23387576 4.82786858
 -0.93156035
 0.47962423 -1.0026081 7.000744 -8.42486592 0.95979695 6.63975388
 9.41863144 -4.41841558 3.89916388 -5.45437854]
 Sample 8221: [4.47068052 0.31624499 0.08735415 8.26806367 4.81726741
 -0.90188977
 0.49924496 -1.00728733 6.99351331 -8.52675154 0.97078623 6.63082961
 9.37662109 -4.44179667 3.8321169 -5.46738989]
 Sample 8222: [4.44935249 0.29726299 0.10019451 8.17657629 4.72136499
 -0.95468508
 0.52996285 -1.09192624 6.91862694 -8.52218993 0.98549504 6.65028969
 9.31187621 -4.49329024 3.8376815 -5.52084329]
 Sample 8223: [4.4533789 0.29026054 0.09030358 8.07324199 4.7465519
 -0.90925622
 0.43557768 -1.05196255 6.84332917 -8.53642463 0.94375596 6.62892332
 9.39744891 -4.41409236 3.73469949 -5.47724369]
 Sample 8224: [4.5450459 0.31191423 0.07660107 8.09347599 4.76274266
 -0.95887414
 0.44371715 -0.99353511 6.87177524 -8.51035435 0.92479863 6.71827719
 9.33967211 -4.45566833 3.63711632 -5.41882155]
 Sample 8225: [4.5839084 0.32691698 0.08353218 8.02325397 4.70834638
 -0.90861669
 0.48500923 -0.99536378 6.83092665 -8.55485172 0.86408518 6.63459147
 9.24401092 -4.37095698 3.65537118 -5.47649947]
 Sample 8226: [4.54338443 0.31562778 0.08688656 8.00752522 4.72323549
 -0.79483632
 0.52080821 -0.98024847 6.86237822 -8.60154928 0.8602207 6.70475165
 9.160819 -4.3591045 3.63518939 -5.46968162]

Sample 8227: [4.5860653 0.37292747 0.07990677 7.93120646 4.80016523
 -0.8412803
 0.54175328 -0.93003257 6.82177745 -8.56323216 0.77690785 6.70185582
 9.16106221 -4.36013419 3.63800153 -5.47809233]
 Sample 8228: [4.53152561 0.32990384 0.09817433 7.86104772 4.78453895
 -0.89221506
 0.58731852 -1.02628123 6.74663068 -8.61396798 0.81887046 6.77258452
 9.19484739 -4.31270712 3.77625699 -5.5506201]
 Sample 8229: [4.52135408 0.33161805 0.08329949 7.86471938 4.76568751
 -0.79189394
 0.54049331 -1.01322336 6.78260067 -8.67820337 0.84368287 6.72381777
 9.26994782 -4.28173152 3.79017468 -5.57789561]
 Sample 8230: [4.52410827 0.31956732 0.08965489 7.90734689 4.87325097
 -0.87682187
 0.54181598 -0.99382748 6.79098099 -8.64706077 0.81229572 6.72642885
 9.21268837 -4.36958808 3.80370573 -5.53272205]
 Sample 8231: [4.43920158 0.31195156 0.09551172 7.89921969 4.96405134
 -0.87910877
 0.49342654 -1.01193177 6.75423122 -8.67775936 0.86482212 6.65768747
 9.21371581 -4.32177706 3.92173921 -5.57785847]
 Sample 8232: [4.42438153 0.34135319 0.07569999 7.92826371 4.99979321
 -0.83267817
 0.52954295 -0.92705946 6.68524008 -8.58821421 0.84801319 6.57977169
 9.2390467 -4.34454039 3.90013203 -5.46691462]
 Sample 8233: [4.30445893 0.36944238 0.07258625 8.06004449 4.90159825
 -0.87040796
 0.47522771 -0.91696905 6.76057588 -8.5382446 0.76661051 6.61648831
 9.31699161 -4.35159159 3.98228509 -5.50664116]
 Sample 8234: [4.27103085 0.36100508 0.06214711 8.01963127 4.85156679
 -0.92722638
 0.48231034 -0.90116049 6.71549264 -8.60404524 0.78071542 6.61144142
 9.25236887 -4.36376658 3.90695796 -5.53185798]
 Sample 8235: [4.21652456 0.36301312 0.05711991 7.96289019 4.88627193
 -0.89860181
 0.4629794 -0.88336824 6.71531692 -8.64945791 0.74340676 6.64279139
 9.30673052 -4.41702619 3.92324279 -5.47874308]
 Sample 8236: [4.28929386 0.3398806 0.06120798 8.00812182 4.77309018
 -0.91857935
 0.36729002 -0.92698477 6.70191817 -8.64673015 0.70804514 6.61265642
 9.35459514 -4.4065078 3.88744952 -5.54859482]
 Sample 8237: [4.24539785 0.36347508 0.05423752 8.09085238 4.7582459
 -0.99757388
 0.42189561 -0.87781884 6.66045978 -8.6328113 0.69233461 6.60975857
 9.34383312 -4.40894506 3.97280109 -5.52712486]
 Sample 8238: [4.22883913 0.37130363 0.05128502 8.13734702 4.68130499
 -0.96806691
 0.29200087 -0.82426176 6.70969559 -8.5281535 0.62320588 6.61770893
 9.28025632 -4.4660697 3.99552692 -5.59058186]

Sample 8239: [4.23604837 0.37361795 0.05070741 8.07870075 4.66130316
 -0.91437609
 0.26883436 -0.81691793 6.76131246 -8.41305059 0.52891795 6.57460843
 9.25002876 -4.39883605 4.03976585 -5.61053814]
 Sample 8240: [4.32098509 0.39161035 0.04911172 8.10002117 4.66551435
 -0.97280983
 0.30684501 -0.80160607 6.754205 -8.41162822 0.57328031 6.61748228
 9.23438497 -4.38503726 4.01250875 -5.59427257]
 Sample 8241: [4.22805371 0.3745956 0.05535478 8.13593462 4.61583191
 -0.92727848
 0.39182044 -0.84373954 6.77428627 -8.44148542 0.53861 6.65466442
 9.23386311 -4.35729873 4.00780577 -5.58949746]
 Sample 8242: [4.23875472 0.30651876 0.07094005 8.1006188 4.69953247
 -0.91537845
 0.29178117 -0.89996931 6.73789364 -8.41264442 0.55810037 6.71546145
 9.18810281 -4.39627645 4.0355771 -5.62119383]
 Sample 8243: [4.19339105 0.36328096 0.06393366 8.18676458 4.71762292
 -0.87921726
 0.32272854 -0.84471813 6.76012931 -8.34279653 0.55711681 6.75038533
 9.23393195 -4.33633797 4.04761929 -5.68320499]
 Sample 8244: [4.19500998 0.32598671 0.07235089 8.17954111 4.83304276
 -0.81031396
 0.36135185 -0.86792698 6.82320396 -8.32789984 0.5436085 6.76958085
 9.26484718 -4.27938036 4.00275435 -5.73529321]
 Sample 8245: [4.10053071 0.33869221 0.06212464 8.19201536 4.96491501
 -0.79626096
 0.35725263 -0.85046461 6.80491186 -8.3332129 0.48025705 6.74174596
 9.29483107 -4.29185187 3.92652746 -5.73544334]
 Sample 8246: [4.09773926 0.36675263 0.06063939 8.21115471 5.00289693
 -0.71992249
 0.44438947 -0.86824262 6.84563188 -8.34233717 0.58563213 6.80148559
 9.29448325 -4.33525925 3.90865315 -5.76223163]
 Sample 8247: [4.09946809 0.3855869 0.05549547 8.26019502 5.02347926
 -0.7497019
 0.46805022 -0.78635294 6.83241583 -8.35066581 0.57417236 6.84023346
 9.2490421 -4.31796477 3.84704466 -5.79844913]
 Sample 8248: [4.12383248 0.36997151 0.0641929 8.38447921 5.05417288
 -0.83309739
 0.4670385 -0.86361977 6.90908012 -8.37309481 0.63562058 6.79815461
 9.34367626 -4.31620687 3.77254915 -5.81803886]
 Sample 8249: [4.03264865 0.36007425 0.07229451 8.43576063 5.10571985
 -0.86393982
 0.53644607 -0.84172813 6.95205556 -8.3519344 0.5807224 6.84363344
 9.4392168 -4.26251762 3.7825895 -5.84278186]
 Sample 8250: [4.08803494 0.39297861 0.06231976 8.44590952 5.04488304
 -0.85314208
 0.53415553 -0.88216254 6.92634447 -8.31354261 0.62574525 6.87432723
 9.4670865 -4.26608014 3.71838296 -5.87196807]

Sample 8251: [4.08850881 0.35928546 0.07620282 8.43060017 5.02699822
 -0.89219027
 0.55986124 -0.88100565 6.84881318 -8.29778219 0.61153232 6.80778434
 9.47690118 -4.19416674 3.72463339 -5.83810325]
 Sample 8252: [4.118904 0.37471261 0.07068901 8.3981016 5.03453799
 -0.91107374
 0.50267197 -0.86543208 6.72571127 -8.32786864 0.62508152 6.8529274
 9.56235115 -4.15759111 3.77341069 -5.86355266]
 Sample 8253: [4.07835322 0.44176796 0.0591003 8.39391739 4.99905423
 -0.91183525
 0.51948014 -0.76370546 6.70805749 -8.35762911 0.63338769 6.85749601
 9.62359737 -4.16603621 3.70529325 -5.90418131]
 Sample 8254: [3.89110943 0.38318837 0.06931461 8.36187141 5.01752186
 -0.90652759
 0.51320154 -0.85618562 6.75450799 -8.35071305 0.6699726 6.84180493
 9.59115169 -4.08400584 3.73561896 -5.88762879]
 Sample 8255: [3.81490053 0.37473961 0.06805701 8.31038705 4.98314638
 -0.91329514
 0.56676792 -0.85454588 6.70915818 -8.37357757 0.66053135 6.70419805
 9.61399954 -4.04649936 3.7051515 -5.84768715]
 Sample 8256: [3.87763478 0.40734499 0.05999117 8.32609487 5.06888027
 -0.8668748
 0.5572648 -0.84643322 6.60285138 -8.33467709 0.63304237 6.70637902
 9.61996469 -3.98535867 3.70341407 -5.77746035]
 Sample 8257: [3.84629434 0.40567837 0.06139684 8.42058593 5.10873753
 -0.86604546
 0.6181131 -0.83790532 6.62357613 -8.26863302 0.6396857 6.65162658
 9.6070173 -3.95213943 3.74351433 -5.80818636]
 Sample 8258: [3.87777431 0.34789612 0.07511548 8.40532089 5.11403695
 -0.88411402
 0.62646355 -0.93217985 6.67513032 -8.29831086 0.58383806 6.58940088
 9.57772787 -3.97030632 3.80379524 -5.80840164]
 Sample 8259: [3.87289855 0.36448703 0.07249076 8.40509605 5.06903074
 -0.85032854
 0.57358351 -0.92177084 6.70669267 -8.33694348 0.61755372 6.48664949
 9.58895348 -3.93695827 3.91896465 -5.81744628]
 Sample 8260: [3.84098545 0.36137987 0.07036211 8.38380985 5.13155148
 -0.8525599
 0.54133043 -0.86923894 6.81686552 -8.44911675 0.62958841 6.52841724
 9.53476102 -3.92566047 3.95961708 -5.7969171]
 Sample 8261: [3.75223927 0.41153623 0.06052123 8.32974627 5.18790668
 -0.86393618
 0.57458955 -0.81284355 6.76774546 -8.39723854 0.7243725 6.44261436
 9.53714596 -3.94210345 3.97218824 -5.86226755]
 Sample 8262: [3.70656868 0.43388474 0.05601534 8.35179178 5.25397677
 -0.90705537
 0.5228403 -0.77624291 6.73822088 -8.39678817 0.67667062 6.40126018
 9.5033908 -3.93183871 4.06266873 -5.9398108]

Sample 8263: [3.611042 0.36672374 0.06337901 8.37943801 5.22122442
 -0.90254119
 0.4604751 -0.81784486 6.71748684 -8.45843463 0.64156586 6.43381876
 9.53522592 -3.89305756 4.08657013 -5.95095898]
 Sample 8264: [3.67889578 0.39994067 0.06104678 8.34150478 5.26821381
 -0.9132519
 0.48993429 -0.80315485 6.74546423 -8.45690316 0.68230802 6.43985256
 9.52916171 -3.9569313 4.06155541 -5.96983867]
 Sample 8265: [3.65051096 0.35231613 0.0711368 8.41262585 5.24005366
 -0.90456932
 0.51935555 -0.85623785 6.75885563 -8.48450418 0.6154901 6.45613924
 9.46984332 -3.96116697 4.01321748 -5.90226895]
 Sample 8266: [3.65241258 0.36670286 0.07260947 8.43706954 5.27944431
 -0.88449329
 0.55978126 -0.88475294 6.86951416 -8.45866195 0.66101891 6.42806659
 9.45085839 -3.95482429 4.01658976 -5.93234634]
 Sample 8267: [3.72465301 0.32532064 0.08218677 8.40279237 5.25513211
 -0.79537476
 0.5613517 -0.91289086 6.84629741 -8.48555679 0.5541836 6.46081306
 9.38210464 -4.0165094 3.95288934 -5.98957742]
 Sample 8268: [3.6746416 0.32381632 0.08409217 8.49245271 5.26972363
 -0.81012598
 0.53033798 -0.85471194 6.83504268 -8.51525951 0.52000859 6.5098643
 9.37051737 -3.99083999 3.94327717 -6.06015076]
 Sample 8269: [3.63310005 0.30924204 0.08927812 8.4778563 5.22938462
 -0.79521666
 0.60402593 -0.95429703 6.79028137 -8.49091822 0.53805624 6.52445511
 9.34979482 -3.98598703 3.98817983 -6.03348407]
 Sample 8270: [3.64778963 0.34761112 0.08316869 8.50236317 5.23285397
 -0.74346173
 0.66679957 -0.90620955 6.88135131 -8.5202902 0.59757699 6.50549393
 9.38074562 -4.01538767 3.95949242 -6.00184374]
 Sample 8271: [3.64778963 0.34761112 0.08316869 8.50236317 5.23285397
 -0.74346173
 0.66679957 -0.90620955 6.88135131 -8.5202902 0.59757699 6.50549393
 9.38074562 -4.01538767 3.95949242 -6.00184374]
 Sample 8272: [3.56828711 0.35882681 0.08021432 8.41758388 5.24833588
 -0.711711
 0.64705338 -0.89379677 6.96016534 -8.57344228 0.56469463 6.54256488
 9.35647457 -3.92186582 3.93702601 -5.95698917]
 Sample 8273: [3.56828711 0.35882681 0.08021432 8.41758388 5.24833588
 -0.711711
 0.64705338 -0.89379677 6.96016534 -8.57344228 0.56469463 6.54256488
 9.35647457 -3.92186582 3.93702601 -5.95698917]
 Sample 8274: [3.5123766 0.40027443 0.06581675 8.329519 5.24707511
 -0.73306256
 0.63245217 -0.83942696 6.92110131 -8.5939001 0.48857828 6.62500595
 9.38748456 -3.90653331 3.94599202 -5.96759112]

Sample 8275: [3.54108048 0.43381548 0.05484184 8.34174945 5.21191262
 -0.68893731
 0.64555293 -0.77294088 6.89935337 -8.68277089 0.49274428 6.72972187
 9.4071602 -3.85510028 3.94054136 -5.88754106]
 Sample 8276: [3.45463814 0.44646762 0.05859301 8.2892463 5.30346935
 -0.62935858
 0.71526724 -0.82248815 6.87223496 -8.69494154 0.50975741 6.7412329
 9.4179185 -3.89630154 3.97820105 -5.92662011]
 Sample 8277: [3.41419692 0.4108294 0.06007539 8.27997515 5.31815717
 -0.55195966
 0.69544499 -0.79835375 6.83642027 -8.63272582 0.51639707 6.68770941
 9.41341037 -3.91129167 3.90580079 -5.9548621]
 Sample 8278: [3.37047386 0.39436443 0.06896035 8.26841948 5.39302317
 -0.58639656
 0.76029471 -0.9090296 6.77051203 -8.57976088 0.5158231 6.61780304
 9.49558424 -3.94922542 3.90094689 -5.97739699]
 Sample 8279: [3.3969022 0.44495007 0.05296556 8.28375576 5.41727855
 -0.60520701
 0.69460502 -0.80813873 6.83967978 -8.51539688 0.5962526 6.60730294
 9.46815468 -3.97184661 3.87868879 -5.92313491]
 Sample 8280: [3.42974714 0.47355425 0.05213107 8.28498399 5.35249366
 -0.62559019
 0.78944567 -0.77824657 6.83788892 -8.55300582 0.61495745 6.62403393
 9.48840483 -4.12078553 3.8982739 -5.93433179]
 Sample 8281: [3.42354093 0.45846678 0.05182876 8.30351856 5.28453399
 -0.59386437
 0.68975757 -0.80347597 6.80063923 -8.66103291 0.66266203 6.59221166
 9.50753063 -4.18626482 4.00022767 -5.89151724]
 Sample 8282: [3.43569115 0.40590384 0.06054436 8.28297211 5.34300225
 -0.56868309
 0.70044238 -0.82391536 6.81508744 -8.63581075 0.60511183 6.57046334
 9.4474105 -4.14322144 3.91509752 -5.93973303]
 Sample 8283: [3.47823563 0.43634141 0.05865091 8.31362707 5.37678872
 -0.67515543
 0.72784586 -0.83081801 6.81286253 -8.64044952 0.57816074 6.58712526
 9.48728694 -4.17216019 3.92385213 -5.9657336]
 Sample 8284: [3.46428862 0.4382866 0.05417889 8.32105051 5.4346756
 -0.64791497
 0.67958906 -0.78515766 6.77771165 -8.67564133 0.57532346 6.5373239
 9.4772484 -4.10853703 3.93727642 -5.94940494]
 Sample 8285: [3.48579423 0.43937992 0.05393801 8.23820708 5.45116061
 -0.69668025
 0.66633862 -0.79640967 6.78611209 -8.71170895 0.63568448 6.50577954
 9.48556943 -4.07140428 3.95814915 -5.99705245]
 Sample 8286: [3.60089268 0.3679386 0.07180553 8.23132838 5.44058767
 -0.76012705
 0.66161653 -0.86701061 6.80452233 -8.67550557 0.53476331 6.54425532
 9.47271539 -4.07343545 4.04553696 -5.97280257]

Sample 8287: [3.68580242 0.4509283 0.05187044 8.30793553 5.41011247
 -0.79896104
 0.64998972 -0.77149626 6.80576699 -8.6597833 0.52759064 6.55284156
 9.49194055 -4.04430387 3.99456444 -5.9234302]
 Sample 8288: [3.65409621 0.43518474 0.05918392 8.2405352 5.3718361
 -0.76237665
 0.71982599 -0.8395383 6.757337 -8.63874774 0.53457392 6.54399221
 9.5134101 -3.99225285 4.0301207 -5.86215494]
 Sample 8289: [3.65862272 0.51621546 0.04978905 8.22467727 5.27859803
 -0.7674531
 0.77600108 -0.75154483 6.77854432 -8.67841984 0.66057032 6.53800407
 9.51135225 -3.91314295 4.02251814 -5.82435245]
 Sample 8290: [3.63258213 0.49445496 0.05395277 8.15872155 5.23810713
 -0.7842558
 0.79286866 -0.80897259 6.81625762 -8.65842239 0.70047419 6.56148346
 9.46648585 -3.83799389 4.02170992 -5.86190923]
 Sample 8291: [3.64441414 0.47360317 0.05471927 8.12528842 5.21788149
 -0.7840038
 0.77592775 -0.78352738 6.77696794 -8.68479156 0.79101055 6.49885045
 9.4746025 -3.83380433 4.00989372 -5.77783804]
 Sample 8292: [3.51791879 0.49646643 0.05294853 8.16861121 5.29150202
 -0.77730593
 0.77441798 -0.81799697 6.7377485 -8.70677882 0.656332 6.5415362
 9.54599803 -3.86147527 4.05493611 -5.78474354]
 Sample 8293: [3.55551578 0.41009891 0.06960286 8.12972162 5.35879232
 -0.72638857
 0.85645373 -0.85246716 6.75653761 -8.69370785 0.64885865 6.56811234
 9.53741248 -3.9714678 4.05727552 -5.90493157]
 Sample 8294: [3.53532754 0.49222067 0.05470974 8.01587778 5.38057255
 -0.664927
 0.79298636 -0.81606303 6.75464144 -8.68897541 0.58553959 6.64498957
 9.56316483 -3.89389894 4.07995855 -5.9292836]
 Sample 8295: [3.54740597 0.42503911 0.06746331 7.97859278 5.496711
 -0.56212075
 0.82940007 -0.82915563 6.66860363 -8.63195778 0.54988316 6.67175965
 9.55644019 -3.86154898 4.033577 -5.98773562]
 Sample 8296: [3.50102874 0.50637596 0.05331166 7.99616892 5.56313418
 -0.59289392
 0.77971741 -0.79356503 6.67569781 -8.55318631 0.55157288 6.62496763
 9.60809887 -3.88178019 4.13122398 -5.90276291]
 Sample 8297: [3.48206085 0.41579225 0.06355471 7.95975204 5.5628266
 -0.56348242
 0.72981951 -0.82348499 6.56671804 -8.5100256 0.51754724 6.65847293
 9.74030495 -3.89446327 4.11809085 -5.99440486]
 Sample 8298: [3.43583421 0.42174819 0.06615127 7.94776632 5.55040477
 -0.67745066
 0.77311894 -0.87788092 6.6735101 -8.50040144 0.5538616 6.6648923
 9.78890653 -3.94176225 4.19706409 -6.01447669]

Sample 8299: [3.46503566 0.41774039 0.06783882 7.97873316 5.4952507
 -0.73837099
 0.80130551 -0.86810054 6.61968874 -8.47176692 0.5323536 6.6123349
 9.82972666 -3.90434566 4.15384188 -5.98638674]
 Sample 8300: [3.52462844 0.44206647 0.06320311 7.96894871 5.44421007
 -0.7597993
 0.80737431 -0.84292374 6.59025666 -8.5152936 0.5555073 6.58552631
 9.75044192 -3.9109882 4.13842124 -5.98198243]
 Sample 8301: [3.40501442 0.43692971 0.06278369 7.922901 5.44522902
 -0.75279584
 0.77004082 -0.82895153 6.60031657 -8.55231853 0.60800416 6.59851109
 9.70955848 -3.9699287 4.16890121 -6.00395704]
 Sample 8302: [3.38739858 0.42855851 0.06477939 7.83203411 5.42112442
 -0.70048571
 0.75093927 -0.86820492 6.53146871 -8.6388993 0.58321635 6.64022142
 9.7558866 -3.95352861 4.13549006 -6.02427839]
 Sample 8303: [3.42162111 0.39923364 0.07329465 7.78632812 5.45143911
 -0.77325143
 0.79248778 -0.87908584 6.45650572 -8.59919283 0.57575299 6.67707166
 9.80571179 -4.01184528 4.1414208 -5.98018983]
 Sample 8304: [3.39786322 0.41308416 0.06658097 7.70594443 5.40002939
 -0.69834085
 0.72399032 -0.87440911 6.45224372 -8.59674818 0.56321045 6.69825561
 9.85471968 -3.97910008 4.10790366 -5.92746792]
 Sample 8305: [3.40349541 0.45474693 0.06071816 7.7111262 5.36938145
 -0.70994577
 0.80318934 -0.84047732 6.36384775 -8.62673233 0.50899647 6.71662841
 9.83133129 -3.954802 4.07152498 -5.82122078]
 Sample 8306: [3.31576797 0.4593899 0.05362219 7.72857901 5.36561954
 -0.62604455
 0.66068978 -0.81815359 6.29337377 -8.53435264 0.53012499 6.73264924
 9.80206789 -4.04175629 4.00641823 -5.91173828]
 Sample 8307: [3.33445456 0.3953804 0.06150503 7.70632842 5.40804828
 -0.62707634
 0.60586895 -0.84726123 6.35961172 -8.42499091 0.50112529 6.7830543
 9.90401839 -4.0587554 3.99964879 -5.89460465]
 Sample 8308: [3.32089052 0.39401132 0.0606048 7.67265538 5.35943304
 -0.6906897
 0.52477249 -0.86759193 6.36157289 -8.48127572 0.49528373 6.82191919
 9.8512105 -4.05000856 4.02756222 -5.96894789]
 Sample 8309: [3.42093232 0.38279172 0.06428888 7.64731302 5.35871685
 -0.67922009
 0.57949502 -0.83595768 6.34821108 -8.50650272 0.47638304 6.85777596
 9.721277 -4.04030147 3.88951005 -6.02958636]
 Sample 8310: [3.41313667 0.39726685 0.06113518 7.6558192 5.3749399
 -0.69334894
 0.58521146 -0.83060415 6.32488432 -8.48708573 0.53601761 6.84965314
 9.77790638 -3.97487388 3.92611968 -6.0117219]

Sample 8311: [3.36237988 0.39682172 0.06180055 7.72379787 5.33380152
 -0.6402682
 0.59408239 -0.83279821 6.28965377 -8.38417553 0.5445165 6.88764158
 9.78092063 -4.01947352 3.89499815 -6.04863669]
 Sample 8312: [3.38671276 0.38039408 0.06899571 7.79140713 5.35285044
 -0.57353403
 0.61179379 -0.89932616 6.27823562 -8.3309178 0.58109567 6.82901361
 9.72260692 -4.08081559 3.91124809 -5.98661588]
 Sample 8313: [3.32029229 0.37894766 0.06473165 7.71626444 5.42589417
 -0.61007991
 0.62012293 -0.86087223 6.28650701 -8.36895935 0.60752328 6.84161818
 9.80202849 -4.06803162 3.91724925 -6.03960961]
 Sample 8314: [3.24449066 0.4104961 0.05596638 7.63407041 5.45363462
 -0.56687832
 0.60515689 -0.80848224 6.21327016 -8.3916044 0.57347555 6.84557223
 9.86900673 -4.02670242 3.93274929 -6.07242142]
 Sample 8315: [3.21599014 0.46619249 0.05310441 7.54080604 5.44221713
 -0.5671203
 0.65066207 -0.80399028 6.15645568 -8.37200029 0.52721973 6.91731003
 9.84671245 -3.93736452 3.88722329 -6.14173159]
 Sample 8316: [3.17224768 0.40677259 0.05999683 7.5819178 5.39054609
 -0.56085221
 0.60956209 -0.80296224 6.12709979 -8.43108634 0.61321181 6.874047
 9.9674557 -3.96172405 3.94859621 -6.09051977]
 Sample 8317: [3.19175548 0.43025706 0.05886128 7.64104758 5.35937419
 -0.4995324
 0.63189543 -0.84041389 6.09824104 -8.4096409 0.57109637 6.89935339
 9.92711368 -4.00881943 3.96910596 -6.17443756]
 Sample 8318: [3.16979973 0.38047798 0.06359031 7.60039039 5.41115439
 -0.32744379
 0.57288278 -0.80083329 6.1090037 -8.3362145 0.60774926 6.84802238
 9.93402498 -3.90304414 4.05006147 -6.21571123]
 Sample 8319: [3.23154351 0.41581551 0.05865459 7.65268601 5.38745703
 -0.40108564
 0.57063661 -0.81357438 6.02609537 -8.37503858 0.63557698 6.91048038
 9.84139523 -3.88253284 4.11564441 -6.18970878]
 Sample 8320: [3.32174161 0.37355456 0.06732916 7.60458049 5.32235212
 -0.39449605
 0.57856304 -0.85063741 6.01130351 -8.49810457 0.70367396 6.9148208
 9.87161681 -3.825044 4.18957895 -6.1685718]
 Sample 8321: [3.37566583 0.38592494 0.06685788 7.594229 5.24748596
 -0.40799725
 0.62261013 -0.83955524 5.98956772 -8.46101593 0.74391792 6.91037121
 9.86882273 -3.90363343 4.26510706 -6.24716002]
 Sample 8322: [3.38663204 0.39942872 0.06599209 7.60855536 5.2970951
 -0.33266836
 0.67618451 -0.8151473 5.9569067 -8.42428502 0.71480034 6.90194894
 9.78897043 -3.96487251 4.22064065 -6.31968197]

Sample 8323: [3.32248028 0.35901107 0.07379714 7.60341 5.22014905
 -0.36252096
 0.60783423 -0.8612506 5.91575107 -8.51458869 0.70718861 6.84652406
 9.88217858 -4.0548837 4.30236806 -6.34940045]
 Sample 8324: [3.2873514 0.34790654 0.07640717 7.61849124 5.23737337
 -0.37136319
 0.58595597 -0.86198417 6.0034082 -8.5086602 0.64669301 6.87089684
 9.94751457 -4.05711641 4.27485817 -6.3455617]
 Sample 8325: [3.31222801 0.38023931 0.06648771 7.67563564 5.16494708
 -0.37782911
 0.54905301 -0.8230465 5.99732219 -8.54839592 0.66172951 6.77688849
 9.82978187 -3.95827915 4.27226846 -6.38201648]
 Sample 8326: [3.35694688 0.372341 0.06829977 7.57560769 5.09623926
 -0.40202114
 0.55339098 -0.82170803 5.99233612 -8.63266735 0.60743979 6.78131348
 9.79348559 -3.98243466 4.24049388 -6.37904794]
 Sample 8327: [3.36909245 0.39978001 0.06091941 7.5330373 5.08898441
 -0.42792154
 0.53403651 -0.76615666 6.01601336 -8.62070356 0.62804174 6.79582826
 9.81992439 -3.97111608 4.33539155 -6.3427273]
 Sample 8328: [3.41229592 0.38077714 0.06779727 7.54624372 5.12034605
 -0.4668119
 0.60299609 -0.8130485 6.07479054 -8.63769259 0.5252005 6.85079138
 9.86521968 -3.96551186 4.27748101 -6.42060879]
 Sample 8329: [3.38336146 0.41626877 0.06080472 7.46293676 5.15423881
 -0.48162583
 0.60288327 -0.79480632 6.12963975 -8.70415521 0.57787288 6.84413684
 9.97540113 -3.91800172 4.20341659 -6.39953873]
 Sample 8330: [3.28845723 0.41864124 0.06291836 7.51308861 5.09898738
 -0.47354826
 0.65160007 -0.79046581 6.1555192 -8.66627435 0.55817868 6.82089256
 10.0535547 -3.88167932 4.22017795 -6.42243721]
 Sample 8331: [3.28443016 0.44635205 0.06002567 7.4558992 5.11038644
 -0.44034878
 0.61095671 -0.74535956 6.17540213 -8.61546128 0.6267904 6.93383491
 9.98369504 -3.88166706 4.33234378 -6.47765627]
 Sample 8332: [3.26659335 0.40466989 0.06829228 7.44690009 5.12717046
 -0.44874018
 0.66123802 -0.81330514 6.18038498 -8.6403237 0.62039577 7.00467734
 10.03471766 -3.87460762 4.30518638 -6.46560034]
 Sample 8333: [3.25816744 0.39375229 0.06780027 7.41260802 5.08406914
 -0.42430169
 0.60721343 -0.78378646 6.06770725 -8.60721029 0.6266863 7.10409395
 10.04727742 -3.88769652 4.21442296 -6.49382096]
 Sample 8334: [3.33682065 0.35127817 0.07956856 7.42444048 5.13213966
 -0.47469876
 0.59459522 -0.84795425 6.10807221 -8.65244443 0.73471195 7.12981052
 10.04475601 -3.81047998 4.20124018 -6.50061745]

Sample 8335: [3.33731285 0.39748065 0.0724945 7.47885927 5.12131552
 -0.50652579
 0.66263617 -0.87146464 6.05009703 -8.71733214 0.76750121 7.23929398
 9.9686954 -3.6887083 4.2199338 -6.44816888]
 Sample 8336: [3.31126038 0.38975882 0.07186421 7.46573033 5.14506312
 -0.56150613
 0.69589324 -0.80835421 6.03902057 -8.77499663 0.70841894 7.28916707
 9.94524974 -3.63798602 4.20010296 -6.42946229]
 Sample 8337: [3.34160334 0.48304874 0.05727707 7.49789389 5.1609333
 -0.54877824
 0.69778588 -0.76155731 6.0692716 -8.78117912 0.70924485 7.30248022
 9.94702876 -3.63181516 4.0939096 -6.44337744]
 Sample 8338: [3.34474304 0.46880137 0.05867685 7.48931458 5.17320922
 -0.46002119
 0.77671332 -0.74839103 6.09020154 -8.77427753 0.77098471 7.42355995
 9.88943872 -3.61559826 4.0562862 -6.36896255]
 Sample 8339: [3.38421395 0.5027962 0.05331567 7.54658005 5.10761397
 -0.3768089
 0.7382209 -0.75425775 5.97991853 -8.73174947 0.78176158 7.48322756
 9.88431785 -3.67758527 4.03159293 -6.41496209]
 Sample 8340: [3.3796301 0.44615351 0.06007608 7.53842614 5.01081031
 -0.43326234
 0.74855588 -0.75016001 5.93290158 -8.75782277 0.78176327 7.48284894
 9.87016844 -3.59744021 4.03368531 -6.44859774]
 Sample 8341: [3.41205858 0.47971398 0.05617133 7.54221428 5.02598925
 -0.41192881
 0.77643274 -0.77086698 5.90082865 -8.7884448 0.83287098 7.53559214
 9.90621897 -3.63085495 3.96314347 -6.4902799]
 Sample 8342: [3.36718409 0.46869251 0.05275703 7.57939089 4.99963837
 -0.4812385
 0.72779516 -0.72317697 5.88233946 -8.86390503 0.89407221 7.50513185
 9.92081234 -3.63889195 3.94586608 -6.53851351]
 Sample 8343: [3.26672206 0.44595344 0.05911969 7.55481506 5.03648615
 -0.36675623
 0.71523931 -0.7735725 5.9095145 -8.93102046 0.83698647 7.5211571
 9.87932484 -3.65567088 3.98985923 -6.58265032]
 Sample 8344: [3.43835432 0.39455545 0.06761714 7.5603609 5.04702234
 -0.40537929
 0.67596605 -0.79610334 5.87731499 -8.89875098 0.77978743 7.46921775
 9.90121162 -3.68885708 3.91569597 -6.59623938]
 Sample 8345: [3.45238236 0.39119362 0.0669031 7.56836859 5.09210309
 -0.4508542
 0.66206131 -0.79132937 5.88001491 -8.9027732 0.76094754 7.32056071
 9.89006475 -3.67063902 3.84094255 -6.72577699]
 Sample 8346: [3.47856688 0.40645663 0.06530689 7.5255505 5.06555918
 -0.44586291
 0.71000442 -0.7700242 5.92931392 -8.8790024 0.71672315 7.37398398
 9.91133208 -3.73691369 3.80018254 -6.6842444]

Sample 8347: [3.36664955 0.4658382 0.05336609 7.50399286 5.05134583
 -0.30964277
 0.60850678 -0.72879122 5.92159473 -8.8260945 0.81957752 7.37697901
 9.86201946 -3.68480541 3.86558075 -6.75473913]
 Sample 8348: [3.40171214 0.44517598 0.05252098 7.50059951 5.02789029
 -0.28116312
 0.57449793 -0.6672749 5.92453577 -8.74059412 0.8122626 7.39272257
 9.8864917 -3.58504883 3.89035004 -6.74378669]
 Sample 8349: [3.42715022 0.42253504 0.05554611 7.49651322 4.99603052
 -0.26846217
 0.56668691 -0.76588635 5.96645749 -8.73122778 0.821021 7.45868612
 9.88084295 -3.60992738 3.88453538 -6.75608647]
 Sample 8350: [3.38812686 0.38581104 0.05805805 7.64857913 4.96079421
 -0.1648328
 0.5079304 -0.71246681 5.99269198 -8.77193756 0.76501483 7.45747223
 9.90167221 -3.6278928 3.92815556 -6.80721005]
 Sample 8351: [3.30405993 0.40782316 0.05626232 7.62578324 5.01677917
 -0.14013986
 0.58764065 -0.75113644 6.03544281 -8.77020369 0.7354903 7.3885629
 9.97683006 -3.62839611 3.95013403 -6.86692023]
 Sample 8352: [3.34598293 0.39340193 0.05924691 7.60668456 5.11529265
 -0.15728879
 0.60260727 -0.7570509 6.05247351 -8.75767854 0.7788729 7.52051367
 9.97067712 -3.59308043 3.88800067 -6.7446405]
 Sample 8353: [3.26731129 0.40194849 0.05596258 7.57411125 5.13171416
 -0.10832038
 0.59388301 -0.76198145 6.06819353 -8.71365378 0.82264047 7.51543067
 10.02245729 -3.54383732 3.78517911 -6.78293965]
 Sample 8354: [3.18888102 0.44632859 0.05179568 7.57569007 5.09288091
 -0.1158896
 0.55628198 -0.71502528 6.16131782 -8.72043131 0.84437117 7.53147817
 10.00582719 -3.56341049 3.76143317 -6.74908402]
 Sample 8355: [3.23188962 0.38544745 0.06809702 7.60003573 5.06618701
 -0.12417684
 0.65919956 -0.77804489 6.1853431 -8.7691648 0.78441838 7.48782585
 9.90817745 -3.58332175 3.79987342 -6.79264772]
 Sample 8356: [3.2594622 0.39474831 0.06671098 7.57822615 5.19439885
 -0.08535661
 0.68423496 -0.79776203 6.15908544 -8.72207034 0.84164502 7.46196575
 9.81596889 -3.62427886 3.80673765 -6.78787073]
 Sample 8357: [3.23302311 0.41744762 0.0717885 7.61661766 5.19865969
 -0.14265316
 0.78962135 -0.77749135 6.07587336 -8.73920519 0.90614883 7.52000931
 9.81601046 -3.66065837 3.71495351 -6.70070017]
 Sample 8358: [3.20759646 0.44014722 0.06685393 7.61224317 5.23927583
 -0.14091087
 0.82646879 -0.77740928 6.10537098 -8.76278204 0.92466497 7.46168798
 9.86566339 -3.64335712 3.70497766 -6.73010369]

Sample 8359: [3.1471487 0.38878345 0.08042279 7.61318001 5.27006748
 -0.2052787
 0.84801649 -0.84230891 6.06219678 -8.71173887 0.83919025 7.38408938
 9.9329909 -3.63671148 3.67065807 -6.73378484]
 Sample 8360: [3.13966621 0.33859306 0.09810669 7.64844494 5.36031014
 -0.13532893
 0.82583397 -0.93854997 6.07233292 -8.71137593 0.72309804 7.37581692
 9.89784299 -3.57874982 3.60666481 -6.75463738]
 Sample 8361: [3.15106731 0.34636622 0.09057061 7.58581867 5.44096681
 -0.09999606
 0.80043739 -0.91228604 6.0875243 -8.66457862 0.74348017 7.33010969
 9.94831522 -3.55004995 3.66204885 -6.77266143]
 Sample 8362: [3.12027554 0.34315648 0.10267193 7.61669957 5.48636247
 -0.01637394
 0.81927135 -0.95315297 6.11674197 -8.71527747 0.70981995 7.36417375
 9.93459598 -3.50737366 3.69965906 -6.78036345]
 Sample 8363: [3.12949121 0.33224721 0.11181977 7.55092181 5.38939707
 -0.0474142
 0.85118745 -1.0193487 6.09120854 -8.72096638 0.82228041 7.37035892
 9.89522617 -3.49290614 3.68973796 -6.77055099]
 Sample 8364: [3.11739892 0.32597138 0.11587124 7.55382558 5.39280229
 -0.09679089
 0.78849343 -0.99783404 6.13077113 -8.79885399 0.79749103 7.41054226
 9.88839859 -3.56687928 3.70203241 -6.81753309]
 Sample 8365: [3.0916623 0.31289094 0.11444795 7.54022305 5.43458649
 -0.01662114
 0.78384044 -1.05769469 6.11787156 -8.81026573 0.71399797 7.2873233
 9.97556771 -3.58334701 3.66668816 -6.75857027]
 Sample 8366: [3.08971182 0.34095996 0.11928809 7.56679758 5.39933643
 0.07056135
 0.86912763 -1.00356632 6.06974186 -8.78039144 0.65199034 7.28910924
 9.93415525 -3.54342123 3.60537421 -6.84048718]
 Sample 8367: [3.12667432 0.32751986 0.11040626 7.49431572 5.43100817
 0.085096
 0.86023456 -1.0078988 6.11129813 -8.74794408 0.65952699 7.38296353
 9.8914232 -3.56284072 3.79611574 -6.92362798]
 Sample 8368: [3.118389 0.32752249 0.12798933 7.36494538 5.39524154
 0.02091915
 0.85429737 -1.02159869 6.16377655 -8.78607311 0.58911728 7.33557671
 9.87919485 -3.62445998 3.84502251 -6.96029712]
 Sample 8369: [3.09589125 0.33447324 0.10867444 7.43736087 5.4005915
 0.05730489
 0.8993505 -0.99062328 6.16644243 -8.76004164 0.56538958 7.38010064
 10.01406847 -3.53345144 3.80320589 -7.02766452]
 Sample 8370: [3.12468025e+00 3.41027470e-01 1.19938663e-01 7.42591336e+00
 5.43651901e+00 3.17377447e-03 8.96158880e-01 -9.81109113e-01
 6.13823803e+00 -8.78721290e+00 6.21461101e-01 7.33423239e+00
 1.00785752e+01 -3.54689603e+00 3.86704352e+00 -7.05431841e+00]

Sample 8371: [3.13798375 0.32693889 0.11234176 7.42278592 5.47756588
 -0.04828675
 0.91015935 -1.02188499 6.18220326 -8.73389263 0.62836746 7.257811
 10.11602324 -3.55251319 3.85802495 -7.05781688]
 Sample 8372: [3.136988 0.32366656 0.13541227 7.48809443 5.46039867
 -0.10907618
 0.89470279 -1.07214549 6.17371174 -8.77318648 0.644786 7.26068186
 10.16831411 -3.57923342 3.86836665 -6.98773532]
 Sample 8373: [3.15221706 0.31019274 0.11913596 7.44407893 5.43813928
 -0.1684783
 0.84135157 -1.07463618 6.15132199 -8.85533167 0.70086693 7.21268756
 10.06764377 -3.6207448 3.93480023 -6.91358751]
 Sample 8374: [3.11906623 0.33266339 0.12424552 7.44117733 5.48434126
 -0.11991136
 0.84967872 -1.02585444 6.09705553 -8.82194494 0.7447491 7.28050774
 9.97188661 -3.58221277 3.87859929 -6.8221686]
 Sample 8375: [3.13354372 0.32320024 0.12276023 7.49388167 5.46661159
 -0.05379893
 0.90486285 -1.09757591 6.20825541 -8.89460754 0.73496751 7.21790157
 10.00809899 -3.612254 3.98718365 -6.81483258]
 Sample 8376: [3.22874393 0.30376591 0.13311532 7.40982265 5.499233
 -0.02572637
 0.77385812 -1.07154898 6.17791802 -8.891402 0.67003878 7.26297678
 10.01346099 -3.58454246 4.02602675 -6.76680378]
 Sample 8377: [3.1993679 0.30629824 0.12684923 7.42206862 5.55007939
 -0.11098689
 0.84672474 -1.1144159 6.20835137 -8.86256146 0.73241893 7.28797193
 10.05272579 -3.57905331 3.96958649 -6.84183518]
 Sample 8378: [3.25004546 0.29130746 0.14457737 7.31867787 5.49586369
 -0.20893838
 0.78610269 -1.11297164 6.18760429 -8.8144711 0.68700633 7.22724207
 9.97416215 -3.63901793 3.93607129 -6.83203529]
 Sample 8379: [3.26337092 0.29564799 0.12275571 7.31964892 5.46165853
 -0.27397921
 0.80667717 -1.05972178 6.22739147 -8.8192005 0.69775365 7.19936165
 9.98315975 -3.66917342 3.89349456 -6.81718846]
 Sample 8380: [3.27155917 0.30310046 0.11878792 7.41968181 5.54482693
 -0.15076377
 0.74868411 -0.98659603 6.1424783 -8.79004945 0.6723651 7.1868705
 10.02293681 -3.59134105 3.82737133 -6.79100575]
 Sample 8381: [3.33443241 0.30925209 0.10907658 7.48479432 5.60179642
 -0.13944203
 0.77249828 -0.97915785 6.19505623 -8.72984104 0.57067634 7.19604079
 10.04018707 -3.68138206 3.83751687 -6.7654953]
 Sample 8382: [3.35746056 0.28723497 0.12179892 7.39023011 5.59525124
 -0.08555883
 0.71373919 -1.04553094 6.25583263 -8.76168266 0.60941532 7.24900209
 10.13219066 -3.61484446 3.74890086 -6.76386341]

Sample 8383: [3.36641221 0.32050227 0.11116173 7.29606658 5.53518394
 -0.13529323
 0.7548024 -0.94554765 6.31264148 -8.78675003 0.65280057 7.25252457
 10.12535822 -3.59335415 3.65420637 -6.76636818]
 Sample 8384: [3.39658161 0.34370446 0.08974651 7.23872428 5.4896547
 -0.14665383
 0.72430437 -0.88833339 6.31351165 -8.77155198 0.6973416 7.19349766
 10.07579204 -3.66177654 3.7524256 -6.71034586]
 Sample 8385: [3.47849378 0.37183766 0.07642667 7.17160841 5.51443115
 -0.20685903
 0.69194047 -0.83187904 6.32571493 -8.83621684 0.67083042 7.24111665
 10.11424638 -3.67892973 3.69705617 -6.72214873]
 Sample 8386: [3.50102481 0.38764364 0.07256501 7.19117659 5.56135215
 -0.24329915
 0.64458116 -0.82474207 6.31749043 -8.82679857 0.62848973 7.28991857
 10.10793206 -3.75408747 3.67417395 -6.65361231]
 Sample 8387: [3.51366477 0.41626533 0.06373349 7.23358278 5.54246919
 -0.25195436
 0.65084219 -0.7828799 6.22752582 -8.77887407 0.63241381 7.30275023
 10.0850483 -3.76990732 3.70101882 -6.56548426]
 Sample 8388: [3.54531696 0.46786954 0.06200235 7.14746446 5.59782353
 -0.23799778
 0.6665906 -0.73839556 6.28701515 -8.71845636 0.67708202 7.29209969
 10.08322996 -3.86920238 3.76342729 -6.61888165]
 Sample 8389: [3.49364138 0.40580824 0.06525448 7.1672397 5.58010438
 -0.28107624
 0.60298853 -0.78112405 6.23853911 -8.75246554 0.73962145 7.21703147
 10.10501784 -3.7726521 3.73422456 -6.61685925]
 Sample 8390: [3.5242435 0.4342895 0.0583511 7.12055404 5.63644454
 -0.25892746
 0.52568781 -0.74478985 6.16897496 -8.7131185 0.71533154 7.20734916
 10.10311638 -3.89120747 3.68924175 -6.60195109]
 Sample 8391: [3.52066845 0.45001574 0.04918051 7.22739931 5.59875408
 -0.2337308
 0.57888146 -0.72747807 6.25793674 -8.68480059 0.71405808 7.23771191
 10.05911035 -4.00581967 3.72881413 -6.57297304]
 Sample 8392: [3.60222964 0.38823631 0.06200192 7.20067567 5.58200994
 -0.24372271
 0.60403461 -0.77381258 6.28028824 -8.65400262 0.68057749 7.25682002
 9.94271964 -3.97594348 3.74641883 -6.67420621]
 Sample 8393: [3.51349112 0.37673667 0.06913386 7.20237725 5.58135253
 -0.32097442
 0.66479591 -0.81003229 6.2669971 -8.68325608 0.71356174 7.35128987
 9.91713459 -4.09783226 3.88206536 -6.69121448]
 Sample 8394: [3.44779358 0.37572215 0.06738407 7.25189842 5.60542463
 -0.3570998
 0.67556376 -0.85190291 6.23621167 -8.60958379 0.70294528 7.36700668
 9.96043907 -4.12798404 3.8521199 -6.68632309]

Sample 8395: [3.38209481 0.35519659 0.07905055 7.21377871 5.5954993
 -0.27727849
 0.70408716 -0.90341635 6.16472022 -8.53304155 0.62929384 7.38008035
 9.98501117 -4.13901681 3.89524864 -6.62487039]
 Sample 8396: [3.43101006 0.35082266 0.07775622 7.19190098 5.62254692
 -0.22347584
 0.67975866 -0.89118561 6.27596122 -8.45635308 0.63276013 7.43802537
 9.98186257 -4.21740219 3.90270638 -6.58660936]
 Sample 8397: [3.50064702 0.3648994 0.07910867 7.1952919 5.59713338
 -0.19136882
 0.63133887 -0.88273236 6.29562708 -8.4057307 0.71001004 7.40875214
 9.97942375 -4.19489065 3.89382271 -6.64301741]
 Sample 8398: [3.56984545 0.33382882 0.07953976 7.14637857 5.63533558
 -0.23317078
 0.61153419 -0.90957098 6.24491743 -8.39477484 0.79288674 7.53215217
 9.96713076 -4.1405189 3.84873849 -6.59256656]
 Sample 8399: [3.63484684 0.36383876 0.0745224 7.07956718 5.63625673
 -0.28690793
 0.66054391 -0.88876419 6.14256235 -8.38945641 0.78979806 7.54201838
 10.00487716 -4.16595175 3.93432249 -6.61820489]
 Sample 8400: [3.63439451 0.36866368 0.08037538 7.00649016 5.73256272
 -0.2438733
 0.72680199 -0.9095708 6.19779861 -8.34021929 0.81473492 7.49517807
 10.06793083 -4.16651419 3.96496988 -6.58662289]
 Sample 8401: [3.65408645 0.40227179 0.06293929 6.90340441 5.74309191
 -0.23494549
 0.63260006 -0.8361926 6.15887595 -8.41522131 0.85981082 7.48973825
 10.05275411 -4.12668992 3.91558046 -6.64089264]
 Sample 8402: [3.75183665 0.38782383 0.06573931 6.93209235 5.70751149
 -0.22368292
 0.6664121 -0.78885871 6.18078936 -8.39326019 0.91575816 7.50293192
 10.04793264 -4.0198145 3.84891388 -6.6561528]
 Sample 8403: [3.83940845 0.37597802 0.0736905 6.89239354 5.6983423
 -0.28032509
 0.72696986 -0.83745943 6.23032488 -8.37090319 0.94997755 7.3961118
 10.01060298 -4.01497864 3.77351633 -6.66506344]
 Sample 8404: [3.81958098 0.36147205 0.07523608 6.94827205 5.70648751
 -0.21855301
 0.6788401 -0.88154258 6.22352295 -8.38811769 0.92326098 7.4003729
 10.06438751 -3.95805938 3.90775924 -6.58149423]
 Sample 8405: [3.94472686 0.36915135 0.06832822 6.91081293 5.7258718
 -0.20736909
 0.61479171 -0.84137261 6.24455139 -8.30639231 0.91216746 7.45448931
 9.97675636 -3.86380256 3.87388127 -6.58346839]
 Sample 8406: [3.87577548 0.39684037 0.05818416 6.92268167 5.75676371
 -0.21889091
 0.56742158 -0.7908854 6.31247314 -8.36246946 0.89302676 7.46991052
 9.99917549 -3.83354098 3.90496105 -6.56843614]

Sample 8407: [3.87577548 0.39684037 0.05818416 6.92268167 5.75676371
 -0.21889091
 0.56742158 -0.7908854 6.31247314 -8.36246946 0.89302676 7.46991052
 9.99917549 -3.83354098 3.90496105 -6.56843614]
 Sample 8408: [3.93572446 0.39008934 0.0577094 6.89463917 5.69318187
 -0.2167065
 0.56113944 -0.80184468 6.38177965 -8.33786491 0.92046483 7.47516531
 10.00524642 -3.90955915 3.90795002 -6.50941411]
 Sample 8409: [3.95296547 0.35631704 0.05909166 6.94468059 5.71813402
 -0.17696842
 0.4541839 -0.81021851 6.39632724 -8.33713392 0.8723516 7.50111012
 10.01069295 -3.8156321 3.92997611 -6.4665863]
 Sample 8410: [4.00691837 0.38134841 0.0587431 6.89400223 5.697457
 -0.12627901
 0.50130062 -0.84204096 6.36326204 -8.27083449 0.86937639 7.583051
 10.06480262 -3.79433533 4.04033384 -6.47050314]
 Sample 8411: [4.06808882 0.39481539 0.05656639 6.9006272 5.67977754
 -0.20405572
 0.53045079 -0.79022588 6.40120349 -8.23147085 0.91555774 7.58655486
 9.97474991 -3.76271728 4.13319719 -6.43635652]
 Sample 8412: [4.12675788 0.37130272 0.06119577 6.81784647 5.65378849
 -0.21198741
 0.52835843 -0.79544104 6.36828568 -8.20185472 0.91691081 7.59429297
 9.97971531 -3.77730929 4.19103889 -6.50734587]
 Sample 8413: [4.13640548 0.31985353 0.07197386 6.82451032 5.69444085
 -0.22761532
 0.46649835 -0.85680365 6.40604174 -8.16917396 0.98105177 7.57891778
 9.94586321 -3.76981563 4.09090686 -6.53704142]
 Sample 8414: [4.12437435 0.31436105 0.08253956 6.81743785 5.64704722
 -0.18562035
 0.49415497 -0.85232802 6.43921485 -8.18931661 0.9513439 7.52746922
 9.82933826 -3.79531002 4.073623 -6.59749102]
 Sample 8415: [4.10827133 0.31525873 0.07784399 6.90889984 5.65654762
 -0.13024682
 0.5087054 -0.85449222 6.37050078 -8.16141246 1.05710418 7.56344417
 9.91588046 -3.74144335 4.08568827 -6.6408439]
 Sample 8416: [4.08740841 0.28427979 0.09131828 6.94634164 5.65247692
 -0.10347866
 0.47508179 -0.91676526 6.38818991 -8.18764762 1.02642834 7.62335449
 9.88943477 -3.77785731 4.02540697 -6.58672904]
 Sample 8417: [4.06393066 0.27807639 0.0849151 6.97662179 5.69989656
 -0.02255603
 0.45271757 -0.91593403 6.38493808 -8.18977913 1.01210681 7.68231229
 9.88912407 -3.74055067 4.08358298 -6.64689713]
 Sample 8418: [4.08495164 0.29151095 0.08252799 6.941458 5.67077834
 -0.04672347
 0.45840081 -0.86748946 6.36918536 -8.25309677 1.06016125 7.64049409
 9.82086388 -3.72371441 3.99502179 -6.68094806]

Sample 8419: [4.09200963 0.30833131 0.08053878 6.97830337 5.71446413
 -0.05487215
 0.46660893 -0.84771488 6.40014351 -8.2835872 1.01767133 7.65191274
 9.859384 -3.72311965 3.97818235 -6.64526893]
 Sample 8420: [4.19336008 0.30162076 0.07430719 6.98377285 5.64634211
 -0.09946726
 0.41079164 -0.82951546 6.43073416 -8.3184109 0.98006352 7.68721483
 9.76924581 -3.76582382 3.89211136 -6.65658167]
 Sample 8421: [4.22500384 0.3374882 0.0624083 7.04590022 5.58478984
 -0.13696747
 0.3918188 -0.78776105 6.31508158 -8.36736571 1.07345549 7.77495231
 9.74594536 -3.73881499 3.88209856 -6.6005485]
 Sample 8422: [4.17143023 0.31342847 0.06800311 7.11395018 5.59786433
 -0.16985529
 0.36360931 -0.79094218 6.33191189 -8.3286509 1.03132779 7.8142984
 9.71806458 -3.80147675 3.89530929 -6.71747248]
 Sample 8423: [4.20472388 0.35175815 0.05757856 7.04604021 5.65437955
 -0.20139062
 0.36738032 -0.73834686 6.37011357 -8.34734009 1.04534195 7.90022739
 9.79123025 -3.86168575 3.90501714 -6.82304427]
 Sample 8424: [4.24274412 0.36911311 0.05441044 7.06076705 5.61414413
 -0.09058659
 0.36838724 -0.74064802 6.37836066 -8.39608085 0.96847017 7.87911747
 9.80301743 -3.8313724 3.93531567 -6.8546925]
 Sample 8425: [4.25133135 0.40624457 0.05180804 7.08976477 5.4883215
 -0.08601417
 0.39288935 -0.65834247 6.38043096 -8.40906531 1.05970046 7.8953259
 9.81702471 -3.81567168 3.9635255 -6.8735302]
 Sample 8426: [4.26968515 0.43232859 0.05153791 7.04613368 5.552457
 -0.19336077
 0.42536251 -0.70442261 6.36737287 -8.53810687 1.05963085 7.8865591
 9.7549068 -3.74131886 4.00450003 -6.78416143]
 Sample 8427: [4.16547964 0.39322172 0.05979098 7.06073028 5.57040261
 -0.14689255
 0.48225649 -0.68527581 6.35655309 -8.53522325 1.09916734 7.88731921
 9.71208849 -3.74950261 4.08404728 -6.79681859]
 Sample 8428: [4.15501817 0.43497703 0.05215584 7.0742824 5.57432804
 -0.14434702
 0.44011112 -0.68447627 6.37850784 -8.50265051 1.07691003 7.90493475
 9.6989195 -3.66838687 4.06417876 -6.88074444]
 Sample 8429: [4.17170711 0.37759697 0.05568143 7.05050353 5.5702948
 -0.15922988
 0.40352242 -0.67221912 6.45124412 -8.42330646 1.07518758 7.93312671
 9.79869636 -3.7111777 4.1216747 -6.94370132]
 Sample 8430: [4.18843416 0.4725614 0.04527358 7.07736891 5.56625984
 -0.14969781
 0.39248706 -0.65522141 6.443392 -8.43276325 1.08679979 7.91308559
 9.78862285 -3.72863498 4.12394664 -6.94625102]

Sample 8431: [4.12665124 0.36683381 0.05595061 6.9891766 5.56418644
 -0.17406583
 0.40486876 -0.67472463 6.43928528 -8.41918054 1.0198373 7.98001256
 9.75087037 -3.69734501 4.10817382 -6.96563891]
 Sample 8432: [4.20099886 0.42229851 0.04694873 7.01983411 5.56845727
 -0.11126111
 0.40617994 -0.69394747 6.46196471 -8.40154499 0.96046353 7.92551199
 9.76953404 -3.81004963 4.11433878 -6.96613982]
 Sample 8433: [4.25047735 0.36782969 0.05476271 6.99802506 5.59021641
 -0.09743528
 0.40358431 -0.67284535 6.49521097 -8.38243225 0.90744153 7.92242603
 9.78606525 -3.71396746 4.06418541 -7.01924834]
 Sample 8434: [4.22829981 0.41932822 0.05086209 6.9746737 5.5988291
 -0.11847011
 0.44731289 -0.67808584 6.47478307 -8.38030658 0.98819803 7.91085039
 9.77245437 -3.68206522 4.11587952 -7.0033246]
 Sample 8435: [4.24410249 0.40284797 0.05665463 6.89694186 5.52453389
 -0.15377195
 0.52397602 -0.67743228 6.45663542 -8.37198184 0.98802131 7.9250307
 9.73748023 -3.77805042 4.14225457 -6.95272049]
 Sample 8436: [4.26785029 0.46253741 0.04969185 6.92633635 5.4495718
 -0.18152302
 0.52586236 -0.65104979 6.52386378 -8.45179871 0.91591589 7.87910938
 9.66232273 -3.82292095 4.10919809 -6.97547048]
 Sample 8437: [4.21990818 0.49582499 0.04904733 6.93368437 5.46140222
 -0.17649507
 0.47018082 -0.59841194 6.51884585 -8.47140825 0.95248059 7.94517836
 9.59952694 -3.78040808 4.08994287 -7.00483021]
 Sample 8438: [4.22082222 0.46904044 0.04851918 7.02589386 5.39779492
 -0.11910628
 0.48045317 -0.64568928 6.52192418 -8.47391747 0.81893902 7.93359333
 9.63904799 -3.78846879 4.12524492 -6.95732639]
 Sample 8439: [4.12781207 0.34949008 0.06423227 7.05916685 5.29853724
 -0.13727312
 0.43265323 -0.69559581 6.45683212 -8.37807721 0.84984011 7.88680411
 9.61245667 -3.69724187 4.09034453 -6.91812538]
 Sample 8440: [4.17728149 0.4379423 0.04901268 7.05735146 5.32633967
 -0.07753149
 0.4070315 -0.66081338 6.38676342 -8.4864714 0.89333307 7.87456915
 9.60669512 -3.65529376 4.11010312 -6.96917814]
 Sample 8441: [4.26148480e+00 4.13141809e-01 5.72297570e-02 7.07815952e+00
 5.33609353e+00 -1.56050442e-03 4.73422993e-01 -6.28509018e-01
 6.39149839e+00 -8.43820386e+00 9.71342584e-01 7.89324678e+00
 9.64560428e+00 -3.61448115e+00 4.08101761e+00 -6.95060046e+00]
 Sample 8442: [4.26831222e+00 5.15816754e-01 4.92781578e-02 7.08131364e+00
 5.22094322e+00 -2.46769272e-03 4.39747297e-01 -6.16396111e-01
 6.40705138e+00 -8.39658386e+00 9.97957156e-01 7.93181327e+00
 9.51627448e+00 -3.68554035e+00 4.12359884e+00 -7.01875993e+00]

Sample 8443: [4.32036437 0.47323429 0.05309831 7.10076159 5.29536936
 -0.0178073
 0.4810823 -0.60040679 6.40436911 -8.46680467 0.85847915 7.83835951
 9.44507362 -3.58287883 4.09973673 -7.0065576]
 Sample 8444: [4.28608895 0.43457838 0.05052098 7.08567617 5.28823298
 0.02818485
 0.48126554 -0.61438424 6.43280311 -8.53006996 0.80905894 7.86121739
 9.46385521 -3.57917516 4.05457238 -6.96495254]
 Sample 8445: [4.30535672 0.40098921 0.05588752 7.08621876 5.36479915
 -0.05504884
 0.53920832 -0.69525309 6.4029556 -8.58972188 0.70768117 7.81776302
 9.53904374 -3.65214383 4.01558472 -6.90469772]
 Sample 8446: [4.33379633 0.4211148 0.05399223 7.06778694 5.37372446
 -0.0459661
 0.59867024 -0.68068318 6.44208455 -8.62042114 0.78125828 7.78589376
 9.60352274 -3.5488257 3.97533012 -6.88313433]
 Sample 8447: [4.35947184 0.44845771 0.05226907 7.02414298 5.37424366
 -0.057584
 0.6045722 -0.67602969 6.41225487 -8.6223406 0.78276018 7.81044293
 9.60418325 -3.50694349 3.96786971 -6.81761151]
 Sample 8448: [4.31501338 0.41942995 0.05346894 6.99535224 5.44561115
 -0.10039004
 0.52072387 -0.68872088 6.3863024 -8.66715242 0.82099718 7.85468001
 9.59283042 -3.56975044 3.96270401 -6.74625351]
 Sample 8449: [4.29570557 0.39120481 0.05742235 7.01662887 5.43385679
 0.0143159
 0.48482322 -0.73005399 6.35647538 -8.65118014 0.80371798 7.94708094
 9.56745234 -3.50223248 3.98047387 -6.70154498]
 Sample 8450: [4.29859561 0.35708083 0.06335867 7.00911755 5.49452246
 -0.04023351
 0.43686707 -0.74466465 6.37140569 -8.68910815 0.72571602 7.90819249
 9.53080105 -3.5083893 4.02530883 -6.69851]
 Sample 8451: [4.29442882 0.38573051 0.05934268 7.00985177 5.54937476
 -0.01894738
 0.37650082 -0.70937758 6.38411968 -8.59270937 0.77710894 7.91619613
 9.44973439 -3.5189861 3.98838762 -6.63969799]
 Sample 8452: [4.32765649 0.35832833 0.06260989 6.98811153 5.48793074
 -0.01811538
 0.35044063 -0.71471601 6.36004515 -8.64931228 0.70340349 7.92832602
 9.47791838 -3.53666708 3.99189058 -6.61758766]
 Sample 8453: [4.34674223 0.35882988 0.05835577 6.95943314 5.49793595
 0.03050493
 0.261375 -0.7253575 6.31925639 -8.61853307 0.72636771 7.9263149
 9.4729284 -3.53895787 3.92016496 -6.59550517]
 Sample 8454: [4.35417828 0.39674028 0.05366501 6.96223306 5.56336964
 -0.05083513
 0.20544904 -0.66512389 6.34080727 -8.55931085 0.69989905 7.97521146
 9.51203782 -3.52275153 3.85412515 -6.63044259]

Sample 8455: [4.44407291 0.44112117 0.05010279 7.0208279 5.57164736
 -0.07294821
 0.25038862 -0.69582079 6.4000052 -8.50950759 0.5966555 8.01528409
 9.57963522 -3.58753712 3.81961316 -6.56245012]
 Sample 8456: [4.46119483 0.37474813 0.05741657 7.03586524 5.60900515
 -0.1219121
 0.2867555 -0.67402415 6.40963797 -8.50724839 0.60167037 8.06467074
 9.53276511 -3.56278868 3.82706856 -6.62952234]
 Sample 8457: [4.40175228 0.40763978 0.05350333 7.05446018 5.64853806
 -0.13233061
 0.32802011 -0.70877165 6.41865897 -8.6259027 0.64912303 8.08764184
 9.39046054 -3.62426509 3.80054554 -6.59625451]
 Sample 8458: [4.37714722 0.38364002 0.06256234 7.1238773 5.66979184
 -0.13468359
 0.47573017 -0.68648904 6.44537436 -8.64284256 0.66972875 8.13233879
 9.43636233 -3.53487201 3.86451479 -6.66972291]
 Sample 8459: [4.30668284 0.4528705 0.05392727 7.13118221 5.67139651
 -0.11413472
 0.52810527 -0.68835574 6.41546416 -8.61560131 0.6545744 8.07409376
 9.42324145 -3.60299574 3.95351555 -6.73578377]
 Sample 8460: [4.22542494 0.42095771 0.06563959 7.11554325 5.69597921
 -0.12430388
 0.579974 -0.65747182 6.38686659 -8.60465042 0.56180016 8.04219391
 9.40296484 -3.67703235 3.98539061 -6.71206571]
 Sample 8461: [4.16528391 0.47254164 0.05625095 7.08120153 5.67783376
 -0.10720618
 0.61392258 -0.68080575 6.39908194 -8.56004983 0.56696617 8.05295981
 9.39523325 -3.63615431 4.01305484 -6.76746025]
 Sample 8462: [4.16477887 0.42274902 0.06546612 7.07499782 5.65765926
 -0.05560242
 0.58132907 -0.6507645 6.3253163 -8.45752637 0.57008605 8.00628458
 9.44185116 -3.63319197 4.00575794 -6.76638195]
 Sample 8463: [4.07841742 0.43424942 0.05688409 7.11873827 5.70339617
 -0.10497578
 0.48359841 -0.71292589 6.26422056 -8.39672749 0.56869864 7.98611566
 9.52149504 -3.67162981 4.007573 -6.70002858]
 Sample 8464: [4.05871135 0.47272008 0.0552753 7.11077253 5.78254938
 -0.1279273
 0.44951093 -0.64124957 6.24235653 -8.4330168 0.54736384 7.94199232
 9.55800046 -3.61646897 3.985723 -6.55561355]
 Sample 8465: [4.03805824 0.47093137 0.0545581 7.12978226 5.75445955
 -0.09694461
 0.51385723 -0.69628216 6.23699662 -8.38700992 0.49563286 7.93485017
 9.57130236 -3.58951397 3.96379271 -6.5998179]
 Sample 8466: [3.96173565 0.42235101 0.06065234 7.15319678 5.79415251
 -0.01068995
 0.53092875 -0.68985551 6.23733798 -8.42449744 0.45457106 7.91870902
 9.60227462 -3.52189827 3.8978439 -6.58627574]

Sample 8467: [4.00740894 0.42774065 0.05971666 7.16255845 5.75996158
 -0.01654472
 0.53993728 -0.73157194 6.18534235 -8.44016435 0.43035915 7.90723957
 9.56777452 -3.41209391 4.00668266 -6.65532353]
 Sample 8468: [4.00810577 0.45031908 0.05854922 7.17463983 5.64721395
 0.0380663
 0.54583114 -0.65385203 6.21262615 -8.49351209 0.44662304 7.90651699
 9.59813413 -3.42282705 4.01071335 -6.64689214]
 Sample 8469: [3.95292435 0.46629704 0.05611905 7.15182607 5.65111921
 0.08252394
 0.56623297 -0.70919495 6.25705679 -8.44491369 0.41624547 7.96312412
 9.65521157 -3.41313045 3.99529233 -6.64845418]
 Sample 8470: [3.89120533 0.37424343 0.0692714 7.19658154 5.66831667
 0.07911651
 0.59050933 -0.80372849 6.22698367 -8.44833773 0.38932093 8.06192713
 9.6840271 -3.38955281 3.93972679 -6.57990219]
 Sample 8471: [3.85593098 0.37999488 0.06877162 7.16199294 5.64278834
 0.07804728
 0.62481552 -0.79769412 6.24408726 -8.43342406 0.41949238 8.04256873
 9.70649567 -3.40367279 3.94803803 -6.51109689]
 Sample 8472: [3.85295023 0.40227944 0.05980399 7.21990948 5.74530565
 0.06537664
 0.58390821 -0.77744022 6.22822518 -8.4697551 0.34639284 8.04571009
 9.70806779 -3.32551828 3.98080489 -6.47720328]
 Sample 8473: [3.83744374 0.4501539 0.0503187 7.22392728 5.69451686
 0.07996569
 0.5862122 -0.71240563 6.27832973 -8.42713288 0.34645698 7.95999384
 9.7709625 -3.3501349 3.98183749 -6.51174382]
 Sample 8474: [3.89123186 0.45333677 0.05122615 7.20950683 5.72788086
 0.01914439
 0.59629154 -0.74887435 6.25379635 -8.46485208 0.3960806 8.01645778
 9.84136304 -3.34992959 4.02754923 -6.49738873]
 Sample 8475: [3.95531115 0.45129572 0.05309906 7.24239074 5.69663363
 0.02431193
 0.67174133 -0.72850967 6.30436996 -8.49749526 0.37944598 7.97741383
 9.84050742 -3.33009439 3.96576748 -6.53324697]
 Sample 8476: [4.04908091e+00 4.56646083e-01 5.24247754e-02 7.20376206e+00
 5.67766355e+00 -1.55857438e-03 6.59998163e-01 -7.55152019e-01
 6.22353386e+00 -8.47936271e+00 4.70718894e-01 8.02408855e+00
 9.77743041e+00 -3.27807461e+00 4.00723248e+00 -6.56586962e+00]
 Sample 8477: [4.03520994 0.44190828 0.05339765 7.19823293 5.68869822
 -0.03730066
 0.64296284 -0.71090287 6.25638371 -8.44895802 0.475071 8.02722872
 9.80258047 -3.27272211 3.97767598 -6.59872649]
 Sample 8478: [4.13706997 0.43796549 0.05266688 7.20185034 5.68690708
 -0.05564618
 0.60537616 -0.77197935 6.33610733 -8.48577669 0.43485579 8.03378664
 9.83711798 -3.263132 3.95938702 -6.64601304]

Sample 8479: [4.20478371 0.43924591 0.0540286 7.17959167 5.69226921
 -0.16886018
 0.56881533 -0.66912903 6.2944167 -8.609636 0.46228666 7.94824548
 9.88166528 -3.14454244 3.90424513 -6.69656586]
 Sample 8480: [4.14867965 0.42422305 0.05486122 7.16332106 5.72904687
 -0.18667841
 0.54949224 -0.76669864 6.35037864 -8.49787919 0.38475935 7.99525269
 9.83690275 -3.12563126 3.87044858 -6.70268829]
 Sample 8481: [4.07075861 0.37014374 0.06322936 7.15899732 5.74005481
 -0.1968384
 0.51577854 -0.74921702 6.41187151 -8.54048545 0.36357496 7.959498
 9.80813072 -3.10705937 3.88965263 -6.74951957]
 Sample 8482: [4.13387811 0.35297624 0.06179224 7.18046827 5.79948028
 -0.16088286
 0.42269134 -0.76374045 6.43708024 -8.48012336 0.38716493 8.0891216
 9.87906731 -3.04535267 3.93554075 -6.78261568]
 Sample 8483: [4.11989726 0.37298254 0.05640569 7.18399975 5.72947709
 -0.1328714
 0.43483828 -0.75736676 6.37465317 -8.48739366 0.4223014 8.1554197
 10.02436004 -3.01532819 3.93897626 -6.85052814]
 Sample 8484: [4.06655201 0.34713625 0.06364994 7.09261741 5.83184856
 -0.21907324
 0.4316626 -0.81449337 6.46863134 -8.61628205 0.37440953 8.14521551
 10.07119796 -3.03257308 3.90347677 -6.90063532]
 Sample 8485: [4.05696149 0.38071605 0.05217652 7.15021751 5.7802219
 -0.14185229
 0.40591513 -0.74602603 6.53888362 -8.61925708 0.3326085 8.13143203
 10.13592079 -2.97666294 3.8646401 -6.85786246]
 Sample 8486: [4.10575467 0.3673077 0.05448295 7.20006107 5.80609393
 -0.13231845
 0.43192511 -0.75312293 6.56116187 -8.65226024 0.35734876 8.12836208
 10.15204198 -3.0040906 3.89607851 -6.93894893]
 Sample 8487: [4.13428919 0.36617274 0.05461172 7.28647779 5.75550594
 -0.06918256
 0.47248679 -0.74723226 6.58935757 -8.60796041 0.46979856 8.09868388
 10.13614244 -2.95710523 3.90278946 -6.93318533]
 Sample 8488: [4.16256041 0.37447208 0.05644304 7.35487982 5.73892848
 -0.07998359
 0.55527394 -0.78854465 6.61854869 -8.53616311 0.52524167 8.19490798
 10.08586853 -2.94822799 3.91693544 -6.98691544]
 Sample 8489: [4.22381478 0.3940201 0.05248653 7.33686599 5.7248803
 -0.10993916
 0.58099668 -0.75970022 6.60754259 -8.56926882 0.56126015 8.30876195
 10.06650078 -2.92670661 3.90485386 -6.86762449]
 Sample 8490: [4.26046938 0.42676358 0.04801374 7.23668394 5.78541192
 -0.14671614
 0.548596 -0.71130496 6.60833368 -8.44414983 0.54248709 8.28822496
 10.04051783 -3.01158992 3.8482871 -6.88536238]

Sample 8491: [4.34275525 0.42974782 0.05094004 7.21415099 5.69164767
 -0.09976159
 0.55804062 -0.72268415 6.52411845 -8.47704329 0.59585303 8.30851875
 10.11972481 -3.07002672 3.85428459 -6.8274604]
 Sample 8492: [4.35449875 0.43905293 0.04626342 7.23517071 5.76996295
 -0.19263741
 0.49416684 -0.72432625 6.57419323 -8.51978543 0.6337925 8.31834152
 10.14835449 -3.1382802 3.74593145 -6.827441]
 Sample 8493: [4.34945047 0.39116563 0.05702823 7.23581502 5.70533686
 -0.21574765
 0.50426583 -0.73479289 6.58689241 -8.56428783 0.61704554 8.31896365
 10.13440557 -3.15661495 3.69277779 -6.87266526]
 Sample 8494: [4.31697949 0.36001054 0.05959005 7.30829584 5.65226618
 -0.20697665
 0.5044887 -0.80718023 6.6045398 -8.6068518 0.58397911 8.29308406
 10.20175254 -3.09430869 3.74558967 -6.78319718]
 Sample 8495: [4.30158469 0.3218672 0.06560402 7.24128207 5.62525583
 -0.23542746
 0.43970609 -0.834986 6.59984994 -8.64646596 0.57531623 8.29898027
 10.19831983 -3.05488588 3.71147627 -6.76076467]
 Sample 8496: [4.28216015 0.3111931 0.06511194 7.26848245 5.65017395
 -0.1237143
 0.39123952 -0.86632724 6.62123639 -8.68281528 0.64986042 8.31227017
 10.24020056 -3.07484503 3.6535354 -6.76862285]
 Sample 8497: [4.3819066 0.32842723 0.05898873 7.25134984 5.63025168
 -0.08954121
 0.37761597 -0.81378232 6.67519241 -8.66606765 0.73731035 8.28304271
 10.19015171 -3.01562498 3.64992143 -6.76740169]
 Sample 8498: [4.4143089 0.39799686 0.04615395 7.25261901 5.64275652
 -0.11600711
 0.34921952 -0.72697557 6.77622841 -8.72460053 0.64973261 8.16412759
 10.2023441 -2.95199308 3.57620584 -6.72506616]
 Sample 8499: [4.43078121 0.51011668 0.04244348 7.23567532 5.63121691
 -0.04580288
 0.45499193 -0.70700532 6.76085881 -8.77159549 0.64727198 8.17981368
 10.27322423 -3.01061214 3.60781514 -6.71007242]
 Sample 8500: [4.38517294 0.4427056 0.0492041 7.20319479 5.73124514
 -0.07017604
 0.49119094 -0.72436633 6.74592593 -8.76078423 0.62445739 8.19452875
 10.29184684 -2.90050794 3.59324916 -6.74340142]
 Sample 8501: [4.42640849 0.43219169 0.04925665 7.24764538 5.74508585
 -0.06490098
 0.41110742 -0.74052314 6.76406099 -8.73064857 0.68525657 8.06640657
 10.26701748 -2.88102233 3.57453552 -6.65868837]
 Sample 8502: [4.38028289 0.46784111 0.04425185 7.23907053 5.70387466
 -0.15886828
 0.40811298 -0.70164327 6.7776317 -8.77238684 0.68278733 8.05539605
 10.31378672 -2.81979399 3.52067455 -6.77574053]

Sample 8503: [4.32775274 0.39232022 0.04830079 7.20935977 5.60861758
-0.1651925
0.36907792 -0.74068814 6.86481628 -8.77079403 0.66809146 8.06147396
10.34896123 -2.74870306 3.48822239 -6.83112142]
Sample 8504: [4.32648546 0.41542371 0.0512922 7.29022727 5.54918236
-0.15657176
0.36514161 -0.71873237 6.89114068 -8.78442513 0.73510142 8.01914524
10.31182086 -2.77368507 3.51657124 -6.87070891]
Sample 8505: [4.22243255 0.37002134 0.04951132 7.29073287 5.60482802
-0.10924924
0.33008349 -0.73332819 6.89528276 -8.75518659 0.73220967 8.03873919
10.28748961 -2.79310558 3.63377019 -6.92530655]
Sample 8506: [4.26446889 0.38203147 0.05148395 7.36513129 5.58239388
-0.11638635
0.41063974 -0.76377111 6.8646685 -8.70736867 0.75325905 8.1075945
10.23623699 -2.77633371 3.60706682 -6.82794174]
Sample 8507: [4.30204414 0.40567556 0.04981193 7.3310061 5.54755313
-0.10547709
0.37848647 -0.70797819 6.85576026 -8.73006806 0.72556521 8.10778052
10.1709416 -2.71189609 3.60140731 -6.80542666]
Sample 8508: [4.29722744 0.43852758 0.04464929 7.32830863 5.5254739
-0.07919461
0.3747373 -0.70456337 6.87583313 -8.72550395 0.7612494 8.15804541
10.09219311 -2.71042636 3.61161307 -6.83557973]
Sample 8509: [4.24759807 0.45013777 0.05012456 7.34794753 5.58496041
-0.12936894
0.38958493 -0.6810875 6.89995018 -8.68777244 0.85570078 8.20175321
10.05703992 -2.69173495 3.59905415 -6.80588599]
Sample 8510: [4.26707512 0.45420081 0.05188459 7.31702748 5.56504297
-0.15415218
0.42246195 -0.70849252 6.87494441 -8.8235436 0.85165486 8.17336232
10.06063493 -2.78639887 3.59419292 -6.75485267]
Sample 8511: [4.31527395 0.43242531 0.05281623 7.277523 5.66100284
-0.16268545
0.46250763 -0.70010653 6.87294245 -8.77378566 0.79466482 8.2143452
10.0442738 -2.79404103 3.57434452 -6.75121107]
Sample 8512: [4.38051713 0.42339577 0.05340958 7.25533234 5.59299992
-0.14474092
0.49802939 -0.72770132 6.91485295 -8.82004256 0.78936203 8.1990141
10.04460773 -2.82667115 3.57387629 -6.80667509]
Sample 8513: [4.37502681 0.43048824 0.0551001 7.26494478 5.6555887
-0.17731536
0.52348404 -0.71969097 6.89616232 -8.87325927 0.85570253 8.28934641
10.04813841 -2.74599119 3.63432804 -6.80355714]
Sample 8514: [4.45576878 0.41285666 0.06006115 7.27525376 5.62585241
-0.18861035
0.52172198 -0.72979501 6.97153592 -8.88049203 0.85609791 8.23059813
10.06644001 -2.76933271 3.52297919 -6.78608793]

Sample 8515: [4.48688393 0.43365741 0.05379389 7.22463485 5.57175353
 -0.16514842
 0.47875978 -0.71189712 6.98339283 -8.91039065 0.86920086 8.28309143
 10.02816694 -2.75952056 3.57062727 -6.81214046]
 Sample 8516: [4.31613443 0.41629693 0.05262962 7.20240018 5.66312431
 -0.17316256
 0.44941947 -0.71578599 6.92874092 -8.90870069 0.88420581 8.22350229
 10.08462492 -2.75428973 3.59099669 -6.803565]
 Sample 8517: [4.26671976 0.47238024 0.05260368 7.18437638 5.69412894
 -0.12815826
 0.42171545 -0.69857234 6.88125168 -8.94899569 0.93900957 8.12167521
 10.08334387 -2.83696005 3.58634464 -6.66815305]
 Sample 8518: [4.15738135 0.37557169 0.05364593 7.18422786 5.78748794
 -0.08027456
 0.34652346 -0.75127071 6.94097707 -8.96201145 0.94568952 8.15600212
 10.09216809 -2.93823458 3.61769889 -6.6756877]
 Sample 8519: [4.16525932 0.37847256 0.04587196 7.24529743 5.76781168
 -0.09279697
 0.29928738 -0.75364344 6.92578161 -8.98177539 0.98546509 8.05799039
 10.10022294 -3.00432776 3.5911929 -6.65772649]
 Sample 8520: [4.23142549 0.33569778 0.0468966 7.25036322 5.77845813
 -0.07203767
 0.2669604 -0.78691722 6.92792008 -9.03975371 0.99701491 8.03972129
 10.17995384 -3.04403312 3.65623801 -6.6232156]
 Sample 8521: [4.22778752 0.3626 0.045044 7.22088765 5.71793307
 -0.06032598
 0.26428164 -0.75653092 6.89099297 -9.01733533 0.98165003 8.07456939
 10.16629476 -3.01154126 3.64226006 -6.65764693]
 Sample 8522: [4.17742927 0.38644567 0.04826353 7.23342806 5.66071919
 -0.05042878
 0.25892608 -0.75300179 6.81348445 -9.00331861 1.01957985 8.04939989
 10.13423859 -3.01603944 3.74749305 -6.60693793]
 Sample 8523: [4.12538588 0.34890997 0.05098266 7.28779249 5.62790329
 -0.02479921
 0.20867226 -0.7863237 6.78541147 -8.9759267 1.00006763 8.06006586
 10.08788614 -3.010131 3.72111668 -6.62121983]
 Sample 8524: [4.19126654e+00 3.98475698e-01 4.07695029e-02 7.35245037e+00
 5.64589054e+00 5.01740401e-03 2.33564208e-01 -7.43054397e-01
 6.80446632e+00 -8.92416858e+00 9.87937228e-01 8.01291744e+00
 1.00765031e+01 -3.10741455e+00 3.74354539e+00 -6.63473165e+00]
 Sample 8525: [4.21946321 0.3447932 0.04375335 7.42103548 5.55090549
 -0.04495885
 0.26404798 -0.75918966 6.87936828 -8.92991404 1.03006645 7.99077149
 10.07056153 -3.14787962 3.71149561 -6.67027094]
 Sample 8526: [4.26223922 0.37540847 0.03773842 7.41311857 5.58644987
 -0.01894514
 0.26228829 -0.73872739 6.83340438 -8.9198466 1.0316562 8.10848407
 10.07288403 -3.12907002 3.68058024 -6.65040182]

Sample 8527: [4.20670949 0.38514957 0.04142101 7.33432149 5.50936547
 0.07771035
 0.23712188 -0.75390288 6.80686882 -9.00713791 1.02792756 8.20837739
 10.09052939 -3.16888368 3.53422931 -6.55507935]
 Sample 8528: [4.2232859 0.36884813 0.0477645 7.38497329 5.4750168
 0.05444273
 0.1960814 -0.78087482 6.86282685 -9.02434163 1.03793388 8.2154805
 10.1948221 -3.28532623 3.48282756 -6.41668635]
 Sample 8529: [4.25734631 0.34289984 0.0479259 7.4859606 5.43438646
 0.09926655
 0.18739712 -0.82414794 6.82012323 -9.05636212 1.07776894 8.23698388
 10.17901846 -3.26157433 3.56375247 -6.41436955]
 Sample 8530: [4.23251479 0.30985427 0.05597418 7.54820445 5.38576372
 0.09435618
 0.23795785 -0.87093226 6.78256066 -9.12900611 1.12470638 8.08272331
 10.18780728 -3.24171689 3.57730904 -6.46101445]
 Sample 8531: [4.28993007 0.30482014 0.05999507 7.46978678 5.33519485
 0.0724424
 0.27924478 -0.88416895 6.92515381 -9.12564805 1.1069035 8.11161468
 10.20514738 -3.24296287 3.61787367 -6.45967936]
 Sample 8532: [4.23875471 0.29572504 0.07028276 7.41189813 5.40150982
 0.02906434
 0.34777281 -0.91807876 6.95772029 -9.09374585 1.06490835 8.13544455
 10.10131512 -3.28657437 3.60679526 -6.47422692]
 Sample 8533: [4.20263178e+00 3.35253089e-01 6.50822058e-02 7.47986714e+00
 5.44849100e+00 -8.02254576e-04 4.31993950e-01 -8.74985949e-01
 7.03678663e+00 -8.96415634e+00 1.10947450e+00 8.07490652e+00
 1.01479428e+01 -3.33157148e+00 3.44441135e+00 -6.39035147e+00]
 Sample 8534: [4.16854104 0.33543997 0.06736238 7.48144225 5.40736644
 0.03865526
 0.46453558 -0.85234915 6.93362841 -8.97079919 1.05023919 8.1166072
 10.0617241 -3.29018086 3.38157435 -6.31301984]
 Sample 8535: [4.23621211 0.35792914 0.0647791 7.48455754 5.34621982
 0.05935973
 0.50341181 -0.86322973 7.03497729 -8.9856023 1.03135592 8.10185059
 9.99864319 -3.24139997 3.41453579 -6.26330431]
 Sample 8536: [4.20399454 0.42236844 0.04834746 7.480995 5.32582806
 0.06957986
 0.49059527 -0.78086822 7.03171344 -8.93530197 0.96113319 8.08440201
 9.95028257 -3.12225375 3.37548802 -6.25397847]
 Sample 8537: [4.14922111 0.4563584 0.04504496 7.4692005 5.29488785
 0.08361102
 0.44558494 -0.75926115 7.07695166 -8.96591254 0.93165212 8.12997996
 10.08662604 -3.23957687 3.45174558 -6.28181314]
 Sample 8538: [4.17750817 0.42747737 0.05220897 7.441346 5.29268901
 0.1166695
 0.48930587 -0.78101289 7.06480445 -9.02399843 0.94680205 8.18262745
 10.05022117 -3.28897445 3.51317112 -6.29250152]

Sample 8539: [4.1956859 0.36345773 0.06084805 7.48853017 5.38721768
 0.0687907
 0.41142787 -0.86179626 7.04824542 -8.9961022 0.95686446 8.15627849
 10.02663579 -3.23766259 3.49005845 -6.33072138]
 Sample 8540: [4.09977227 0.34857379 0.06639238 7.46230014 5.40243851
 0.01199342
 0.43397857 -0.88518416 6.96661445 -9.01687865 1.00758798 8.25138287
 9.99569974 -3.23828856 3.46883889 -6.33946698]
 Sample 8541: [4.16159895e+00 3.80980167e-01 5.74644359e-02 7.39309414e+00
 5.38451224e+00 8.25013885e-04 4.45388226e-01 -8.10887327e-01
 6.99901972e+00 -8.97804954e+00 9.68378883e-01 8.27339604e+00
 9.93169998e+00 -3.30829176e+00 3.44220215e+00 -6.31978904e+00]
 Sample 8542: [4.21450542 0.43461331 0.05122666 7.32090599 5.36916392
 -0.04224958
 0.46261481 -0.76472442 6.97890568 -9.01332189 0.99108417 8.36041971
 9.89598524 -3.37121073 3.37760252 -6.37331026]
 Sample 8543: [4.26942087 0.39843162 0.04734176 7.28180646 5.34499751
 -0.09698817
 0.34105324 -0.74591488 6.94333352 -8.9673622 0.92324415 8.31171718
 9.89076136 -3.39280774 3.38403155 -6.3512671]
 Sample 8544: [4.28606384 0.39074539 0.05338825 7.26307671 5.36043432
 -0.07538379
 0.38661257 -0.79793752 6.96680792 -8.96367224 0.95922793 8.35058239
 9.98557174 -3.35289746 3.34205279 -6.35356668]
 Sample 8545: [4.25089192 0.38459662 0.04919161 7.32571142 5.29649615
 -0.07801895
 0.37990881 -0.77295864 6.90381065 -8.9669279 0.95596978 8.31205405
 9.97563442 -3.40673794 3.39103166 -6.38112373]
 Sample 8546: [4.25429983 0.41916366 0.04623148 7.25492132 5.24628024
 -0.07604391
 0.40974902 -0.76829872 6.93869867 -8.98997536 1.05849951 8.34067987
 9.91819863 -3.46797689 3.34816986 -6.34123556]
 Sample 8547: [4.17271889 0.39171734 0.05149905 7.19696229 5.21716926
 -0.01687654
 0.45954917 -0.78333995 7.0284007 -8.95123953 1.08459225 8.39313693
 9.92765024 -3.47988573 3.29018077 -6.29062456]
 Sample 8548: [4.16128913 0.44368544 0.04850092 7.18462908 5.21737449
 0.01872707
 0.50005069 -0.78727368 7.04283839 -8.93501102 1.07137228 8.43991922
 9.88450482 -3.5293058 3.23912981 -6.28226601]
 Sample 8549: [4.1427949 0.43025851 0.05730955 7.23356162 5.27632773
 0.01053954
 0.63517255 -0.77763381 6.97111163 -8.99052687 1.03877382 8.4407533
 9.84433323 -3.56113369 3.27171825 -6.26215372]
 Sample 8550: [4.12977605 0.47738985 0.05129273 7.1631367 5.26907869
 0.01948918
 0.6435043 -0.78455261 6.96594485 -9.0026031 1.10902934 8.50453986
 9.79403368 -3.60001528 3.2989783 -6.20979437]

Sample 8551: [4.15670111 0.47267354 0.04973563 7.17343879 5.30304475
 0.11806051
 0.7106067 -0.75803098 6.95873612 -9.06433277 1.11963533 8.50685428
 9.84573345 -3.65719219 3.35377021 -6.22693891]
 Sample 8552: [4.15383056 0.54204784 0.04580015 7.23623514 5.33930054
 0.06965948
 0.66284787 -0.7578239 7.03148133 -9.05433853 1.05717789 8.5538638
 9.82249334 -3.6279233 3.36479516 -6.21718749]
 Sample 8553: [4.13411078 0.50656418 0.04724838 7.14817274 5.38275137
 0.01754434
 0.60539643 -0.73618555 7.05098088 -9.0805323 1.04054143 8.57469776
 9.84929339 -3.6662964 3.495662 -6.18448992]
 Sample 8554: [4.1828009 0.45823566 0.05248384 7.01837541 5.30319409
 -0.04310476
 0.63011857 -0.79133098 7.12402818 -9.06845551 0.94616223 8.60096737
 9.80544662 -3.64528984 3.57756911 -6.17831605]
 Sample 8555: [4.15095227e+00 4.39057355e-01 5.95548384e-02 6.96920669e+00
 5.41542886e+00 -3.01127277e-04 6.92218300e-01 -8.13799288e-01
 7.06520355e+00 -9.14977173e+00 9.97455752e-01 8.64322448e+00
 9.83136461e+00 -3.65909772e+00 3.56218828e+00 -6.12835124e+00]
 Sample 8556: [4.21885174 0.41207042 0.06192161 7.05130462 5.39223476
 -0.03217497
 0.62347366 -0.82630751 7.10010968 -9.25328861 1.02865893 8.63170166
 9.87764379 -3.62315862 3.62326435 -6.20120825]
 Sample 8557: [4.27051436 0.40498977 0.05933584 7.11346109 5.2639603
 -0.03204201
 0.52990626 -0.81198989 7.05649514 -9.30778089 1.07551783 8.58876554
 9.85211321 -3.64083083 3.59733428 -6.28632774]
 Sample 8558: [4.2735174 0.43403449 0.05518528 7.15251989 5.25669023
 -0.01878002
 0.58091526 -0.76925384 7.05664077 -9.33280645 1.00438296 8.51177862
 9.84283423 -3.65074537 3.6024486 -6.32075337]
 Sample 8559: [4.29802287e+00 4.11671109e-01 5.80197462e-02 7.19507831e+00
 5.34352209e+00 -9.53732565e-03 5.37490558e-01 -7.84328117e-01
 7.08551360e+00 -9.39464821e+00 1.00582937e+00 8.42674824e+00
 9.85721306e+00 -3.67468587e+00 3.57019315e+00 -6.36224318e+00]
 Sample 8560: [4.20180626e+00 3.86128463e-01 6.87940449e-02 7.22023712e+00
 5.43810851e+00 -9.06171543e-03 5.94458001e-01 -8.63937015e-01
 7.05605790e+00 -9.43761304e+00 9.39074669e-01 8.41836236e+00
 9.85231525e+00 -3.66898967e+00 3.60179981e+00 -6.38716304e+00]
 Sample 8561: [4.17070518e+00 3.75294925e-01 7.43140465e-02 7.25735813e+00
 5.33002115e+00 -4.49422502e-03 6.27090141e-01 -8.82064915e-01
 7.06711005e+00 -9.44989484e+00 1.02271622e+00 8.40109192e+00
 9.85593038e+00 -3.74084468e+00 3.60680484e+00 -6.40290492e+00]
 Sample 8562: [4.18157527 0.35790314 0.07783494 7.15406886 5.32015684
 0.07780326
 0.58355352 -0.88600752 7.0074963 -9.4404385 0.98479697 8.40384757
 9.76986413 -3.75128981 3.6353013 -6.41464819]

Sample 8563: [4.13007688 0.31252963 0.08826176 7.11208282 5.39628359
 0.12854286
 0.47564376 -0.92652295 6.96142886 -9.42340618 1.03935488 8.35978586
 9.85126209 -3.65503559 3.6432931 -6.42901228]
 Sample 8564: [4.11193661 0.30817321 0.09055862 7.04362313 5.45291071
 0.09051694
 0.50590129 -0.96145733 6.95231283 -9.35825757 0.98683653 8.36287192
 9.80883437 -3.58078414 3.63593123 -6.39995499]
 Sample 8565: [4.13424583 0.32322829 0.08077921 7.07149941 5.40494808
 0.11715936
 0.48627996 -0.88676063 6.83888534 -9.46550584 0.97886817 8.37872842
 9.80539272 -3.56271037 3.63549965 -6.51135105]
 Sample 8566: [4.09741887 0.32741945 0.06455615 7.11282509 5.45920151
 0.22146748
 0.35846155 -0.8182317 6.87709574 -9.49653133 0.96561291 8.30163863
 9.78317214 -3.56203088 3.62668036 -6.5472921]
 Sample 8567: [4.05663508 0.3307616 0.06126994 7.17420632 5.45656705
 0.18890972
 0.32343493 -0.80075516 6.84018689 -9.64113742 1.06800162 8.37664999
 9.80257967 -3.58422299 3.60957376 -6.5897224]
 Sample 8568: [4.05410054 0.35663573 0.0540044 7.18557422 5.40697336
 0.15938814
 0.27419398 -0.74263728 6.78818329 -9.71484505 1.14057829 8.40121988
 9.8277575 -3.46588339 3.65537917 -6.66595353]
 Sample 8569: [4.09154146 0.34988536 0.05602403 7.1935157 5.44120821
 0.10404308
 0.26111163 -0.78543269 6.81036515 -9.70986844 1.06928672 8.40596019
 9.77432208 -3.54987871 3.58928765 -6.59231681]
 Sample 8570: [4.09411056 0.37372463 0.05616301 7.26967515 5.3178673
 0.16907938
 0.34206793 -0.73613309 6.75834959 -9.69727415 1.03035404 8.39187495
 9.78973747 -3.50896844 3.60521106 -6.5931393]
 Sample 8571: [4.15942096 0.38774556 0.06101544 7.21753207 5.44064105
 0.16436682
 0.4495624 -0.80359117 6.70868743 -9.73901216 0.97158378 8.45030356
 9.65148372 -3.50454678 3.59221612 -6.49321457]
 Sample 8572: [4.15121617 0.34272199 0.06825638 7.23861826 5.41462951
 0.12148109
 0.44912385 -0.82245493 6.70091589 -9.76734871 0.92096299 8.46695327
 9.6674191 -3.4866705 3.67205238 -6.40950318]
 Sample 8573: [4.13552148 0.33838639 0.06639561 7.25777649 5.51340217
 0.1048746
 0.39691834 -0.83588448 6.67816248 -9.78925587 0.90132567 8.45294127
 9.64801818 -3.43970022 3.68768068 -6.39919131]
 Sample 8574: [4.20674698 0.35658741 0.06468698 7.27182207 5.48905045
 0.04183827
 0.4034199 -0.81891926 6.62421626 -9.78952031 0.86445911 8.38120306
 9.68016841 -3.39749333 3.6932416 -6.41313519]

Sample 8575: [4.23399489e+00 3.54284524e-01 6.98187793e-02 7.28569699e+00
 5.49161141e+00 -3.28354396e-03 4.62575851e-01 -8.35945579e-01
 6.63525647e+00 -9.89264095e+00 7.91847145e-01 8.41872435e+00
 9.61189569e+00 -3.38823328e+00 3.66562367e+00 -6.43876121e+00]
 Sample 8576: [4.18108633 0.33705322 0.06771767 7.3031453 5.56583731
 0.06551295
 0.41886759 -0.84524097 6.58922587 -9.93580917 0.84627377 8.33275211
 9.57047947 -3.35748371 3.65524188 -6.50717618]
 Sample 8577: [4.17910973 0.32435615 0.06306983 7.34581533 5.59372733
 0.03532111
 0.32543031 -0.80741662 6.53037622 -9.99270547 0.83380667 8.29088663
 9.56174337 -3.32249623 3.56942567 -6.50476886]
 Sample 8578: [4.01815712 0.30997062 0.06877928 7.37311345 5.58666176
 0.05288541 0.3194294 -0.82971211 6.54269627 -10.02182501
 0.93921497 8.33583646 9.58404588 -3.31439927 3.66352549
 -6.62053744]
 Sample 8579: [4.03369174 0.36784237 0.0582018 7.40145935 5.67598127
 0.15633535 0.33019898 -0.72842744 6.4594971 -10.02498284
 0.95715653 8.22446638 9.53890651 -3.36997178 3.69721285
 -6.5673364]
 Sample 8580: [4.11204749 0.37986708 0.05846317 7.36398162 5.71585957
 0.12674895
 0.33421986 -0.73827418 6.42660799 -9.97907311 0.99808613 8.19164081
 9.44814824 -3.36108159 3.69020691 -6.41468004]
 Sample 8581: [4.14818099 0.4251124 0.06001279 7.39928866 5.70810256
 0.15158407
 0.40625031 -0.70671882 6.42147053 -9.94485893 0.9896802 8.13646261
 9.44527062 -3.44389561 3.82321752 -6.44546075]
 Sample 8582: [4.16429717 0.38443406 0.06504236 7.32074417 5.62775059
 0.15331131
 0.40145306 -0.72602089 6.45406614 -9.94369856 1.00282482 8.1372613
 9.49173767 -3.48391573 3.89665741 -6.48853384]
 Sample 8583: [4.31865151 0.36885584 0.06757128 7.38424089 5.65735063
 0.15384
 0.39411533 -0.7570932 6.44569071 -9.90962456 0.93891949 8.08371728
 9.5453416 -3.45936111 3.87107631 -6.51258291]
 Sample 8584: [4.22618909 0.34146974 0.07004805 7.39855846 5.61615901
 0.19081452
 0.34309769 -0.77401156 6.3842136 -9.92217012 0.90905473 8.1380921
 9.55520137 -3.43586298 3.83453093 -6.49625762]
 Sample 8585: [4.30545255 0.35541388 0.06769498 7.37522357 5.70157529
 0.18360532
 0.33934315 -0.76576397 6.35668806 -9.90029616 0.90917638 8.17978281
 9.54877427 -3.41008392 3.93391434 -6.55708288]
 Sample 8586: [4.31998912 0.31259486 0.0740166 7.35648173 5.67835746
 0.19788218
 0.27912199 -0.85280136 6.37160919 -9.92455629 0.92991627 8.17428739
 9.5776921 -3.42188233 3.96655934 -6.54265988]

Sample 8587: [4.27750486 0.31744385 0.06710865 7.35956313 5.73041668
 0.2307825
 0.24280136 -0.83536823 6.35699171 -9.89700202 0.98178492 8.2422045
 9.66923123 -3.46199759 3.93950796 -6.37407281]
 Sample 8588: [4.27887722 0.32187393 0.0658683 7.35861934 5.66853216
 0.24654324
 0.2494741 -0.8127663 6.3334256 -9.95655026 0.97708998 8.26103482
 9.71518459 -3.4851674 4.00078835 -6.35744588]
 Sample 8589: [4.25832113 0.3078424 0.08212099 7.3770773 5.66249868
 0.33528142
 0.34425244 -0.89879332 6.38038459 -9.81783173 1.03296216 8.3104628
 9.8569196 -3.48627155 4.05519634 -6.34631339]
 Sample 8590: [4.21171821 0.30935647 0.08389524 7.37339698 5.6398113
 0.2889647
 0.37334525 -0.91333224 6.41802234 -9.80700664 0.99304755 8.34858536
 9.83997193 -3.48016288 4.12914601 -6.33338995]
 Sample 8591: [4.20579249 0.35557438 0.06429007 7.30246463 5.74387527
 0.35735907
 0.35245245 -0.814888 6.53597405 -9.64951013 1.10546509 8.34694805
 9.86040448 -3.43021759 4.20603178 -6.33951053]
 Sample 8592: [4.24273253 0.34124774 0.06788315 7.33370339 5.76205973
 0.31438945
 0.3473697 -0.84362388 6.62038951 -9.7237006 1.10725931 8.28935465
 9.84415267 -3.42053917 4.13884939 -6.36509184]
 Sample 8593: [4.22854488 0.34741356 0.07343327 7.31659645 5.75119972
 0.31738841
 0.38903223 -0.86898109 6.57898479 -9.81841799 1.08545 8.32146137
 9.83990638 -3.39500754 4.17909535 -6.28198154]
 Sample 8594: [4.19551011 0.32604147 0.08177661 7.37316663 5.83117521
 0.40769619
 0.42434 -0.90686314 6.52985523 -9.85182248 1.09134202 8.40562534
 9.78851543 -3.37475342 4.10559896 -6.34024567]
 Sample 8595: [4.18016741 0.27083293 0.10871228 7.31118817 5.76967469
 0.4526809
 0.4041906 -1.06816818 6.51084387 -9.88777914 1.08209706 8.44831164
 9.74594561 -3.32682351 4.09414767 -6.31843362]
 Sample 8596: [4.14333722 0.26308543 0.10965354 7.33874997 5.80438808
 0.40977417
 0.38181295 -1.1022791 6.53082571 -9.93680926 1.15520472 8.48456367
 9.79288401 -3.30471012 4.10417108 -6.2616038]
 Sample 8597: [4.0978666 0.25217234 0.11810095 7.36110058 5.83250361
 0.4096849
 0.36284365 -1.1615417 6.53737458 -9.91324004 1.17945839 8.43113641
 9.80413772 -3.34668218 4.00528621 -6.33378602]
 Sample 8598: [4.13741801 0.2693724 0.12484237 7.30296338 5.79543638
 0.35972191
 0.40815023 -1.21417405 6.49962011 -9.94141722 1.21048021 8.41994601
 9.87764702 -3.3756341 4.04392214 -6.37161172]

Sample 8599: [4.14036713 0.26289698 0.12212251 7.32237026 5.80443689
0.33472173
0.36913536 -1.13716039 6.58529994 -9.87651364 1.21498942 8.43224563
9.81780121 -3.43391738 4.01793708 -6.36794992]
Sample 8600: [4.15836377 0.25560789 0.10708815 7.30005157 5.78799444
0.26039163
0.40462475 -1.12595574 6.5858969 -9.89739108 1.17454025 8.46141031
9.80352411 -3.34568189 3.96467524 -6.36769409]
Sample 8601: [4.14616408 0.26981907 0.11891284 7.35969653 5.82344483
0.27228472
0.37439586 -1.14675064 6.62822829 -9.90497937 1.10446912 8.44869667
9.84699933 -3.28185228 3.9260738 -6.3469579]
Sample 8602: [4.10474871 0.24334383 0.09755792 7.2721082 5.89061114
0.29670479
0.28345454 -1.09508315 6.69175903 -9.98569675 1.14298797 8.35029375
9.9158342 -3.22151879 3.98112242 -6.3811196]
Sample 8603: [4.10761453 0.22522676 0.10605798 7.34452064 5.83102449
0.25254428 0.21732151 -1.17415855 6.63248653 -10.0329949
1.15099319 8.33327898 9.85652959 -3.20312487 3.9516839
-6.51340226]
Sample 8604: [4.2145681 0.23142542 0.08834859 7.32630193 5.87792134
0.16730027 0.21526317 -1.07099767 6.59063833 -10.00761953
1.12785317 8.29076371 9.88332612 -3.24500931 3.93789283
-6.52826909]
Sample 8605: [4.1988422 0.26025155 0.08258718 7.28780276 5.94896879
0.19992567
0.27741 -1.02740814 6.6186399 -9.98338872 1.03743115 8.24123319
9.87668677 -3.21529632 3.87830958 -6.48742548]
Sample 8606: [4.17412214 0.2561736 0.07519043 7.24793076 5.92637122
0.15215686 0.22313577 -1.00040195 6.60650969 -10.02168289
1.01525156 8.2840559 9.77905029 -3.21641055 3.89854846
-6.45877452]
Sample 8607: [4.19428775 0.2431749 0.08263441 7.26883213 5.88948858
0.08915013
0.23047744 -1.0381192 6.57438173 -9.98552391 1.06044268 8.23894543
9.70947064 -3.28023089 3.89184184 -6.48935752]
Sample 8608: [4.18735901 0.25738462 0.09637918 7.41648093 5.90294205
0.07987286 0.28161289 -1.02128582 6.50304651 -10.0090896
0.9938543 8.22762099 9.66596844 -3.35494886 3.92644885
-6.47058237]
Sample 8609: [4.19627953 0.26944748 0.0942638 7.3845798 5.89042568
-0.0132413
0.34694321 -0.99028672 6.53437781 -9.93823277 0.97448877 8.16403284
9.5875574 -3.27639762 3.95494272 -6.45981954]
Sample 8610: [4.20490566e+00 2.66911777e-01 9.65895846e-02 7.38279587e+00
5.85880765e+00 -6.91471360e-03 4.24122512e-01 -9.95438222e-01
6.49188617e+00 -9.99511580e+00 1.14694125e+00 8.09213790e+00
9.65875143e+00 -3.24324179e+00 3.92052997e+00 -6.55233628e+00]

Sample 8611: [4.1446049 0.27936079 0.10648181 7.28940158 5.79651028
 0.06529314
 0.44108578 -1.0350906 6.52662451 -9.96986922 1.1711833 8.05281071
 9.66896204 -3.264219 3.90138825 -6.4981053]
 Sample 8612: [4.10657307 0.28417713 0.10372271 7.3071566 5.77818386
 0.0224149
 0.49398407 -1.03050432 6.48348376 -9.98946718 1.05691601 8.0570511
 9.71064497 -3.20935493 3.98634187 -6.52446395]
 Sample 8613: [4.10024919e+00 2.98717630e-01 1.11102379e-01 7.37596023e+00
 5.82953067e+00 -6.60566063e-03 5.72448043e-01 -1.02197954e+00
 6.54630060e+00 -1.00115649e+01 1.11780580e+00 7.97977063e+00
 9.69793736e+00 -3.19389749e+00 4.02150037e+00 -6.52559565e+00]
 Sample 8614: [4.18766816 0.29280837 0.09614748 7.40503815 5.8573228
 0.03889119
 0.48845766 -0.99402055 6.53904948 -9.95019511 1.04104969 8.01588193
 9.76510527 -3.1739749 4.0826266 -6.45792729]
 Sample 8615: [4.26345227 0.3151563 0.08986044 7.34134305 5.8696005
 -0.04107955
 0.55681384 -0.94794488 6.55801183 -9.96039798 1.03184196 7.96346213
 9.79640092 -3.24948127 4.03970788 -6.51611256]
 Sample 8616: [4.23078738 0.32123615 0.0978139 7.35269529 5.93798156
 -0.0245863
 0.59605913 -0.96121722 6.47789475 -9.95549295 1.0505581 7.94413318
 9.80963298 -3.30017379 3.9584677 -6.51346013]
 Sample 8617: [4.36990732 0.34397555 0.08151062 7.33317803 5.92778558
 0.06220582
 0.60818566 -0.91037709 6.55925605 -9.9557305 1.01002021 7.93280043
 9.88797767 -3.26063687 3.84433175 -6.46017173]
 Sample 8618: [4.36528439 0.35869758 0.07529775 7.25651598 5.95254491
 0.01868696
 0.65031426 -0.88962199 6.57924484 -9.96320843 0.99567255 7.8770387
 9.94111702 -3.27363836 3.78510077 -6.46398815]
 Sample 8619: [4.30539288 0.43729916 0.05794362 7.20626679 5.88484619
 0.05298025 0.70777144 -0.81574795 6.56353311 -10.03183066
 1.00828511 7.91452687 9.93601105 -3.27190444 3.80714395
 -6.46844744]
 Sample 8620: [4.3046966 0.41585695 0.06199362 7.31094333 5.85856477
 0.02231825 0.72351748 -0.77684651 6.51442588 -10.06379297
 0.9873814 7.91899665 9.97885313 -3.2724982 3.8260409
 -6.5326869]
 Sample 8621: [4.28162636 0.48527729 0.05018338 7.38064173 5.85149255
 -0.0523157 0.76124581 -0.78160992 6.53158249 -10.01226735
 0.9025438 7.93123682 10.01406841 -3.20976414 3.84736958
 -6.51514695]
 Sample 8622: [4.26166415 0.46079229 0.05146435 7.35010832 5.93434913
 -0.03736747 0.64899993 -0.710254 6.57120766 -10.05878182
 1.00396049 7.97548989 9.90794234 -3.23893629 3.83298129
 -6.49987681]

Sample 8623: [4.35685751 0.51965817 0.04878172 7.36816577 5.90163851
-0.11423552 0.70917736 -0.74885835 6.59586373 -10.03649228
0.9675057 8.02179483 9.8742172 -3.26430874 3.80099315
-6.43498519]

Sample 8624: [4.39953819 0.50631202 0.0445618 7.36533173 5.99797176
-0.14369789 0.68098298 -0.71710368 6.55577937 -10.0993471
0.98255075 8.07070395 9.90419746 -3.29334399 3.82067342
-6.33085793]

Sample 8625: [4.46481023 0.47821635 0.05076162 7.39951678 6.13735164
-0.09552521 0.68639843 -0.77602592 6.65311835 -10.02401893
1.02297626 8.09533034 9.9313498 -3.35364929 3.83820934
-6.38159052]

Sample 8626: [4.4556225 0.48107709 0.05261226 7.4157063 6.14956214
-0.01026498
0.78042445 -0.76883462 6.54107593 -9.95327406 1.07510224 8.04139161
9.95813576 -3.34267199 3.86588389 -6.27470597]

Sample 8627: [4.44921612 0.50157638 0.04984442 7.45715393 6.28265796
-0.05637868
0.91860446 -0.79024678 6.53468625 -9.88719511 1.13384489 8.09258451
9.96156452 -3.29135819 3.84217873 -6.41323592]

Sample 8628: [4.49357836 0.58218417 0.04003215 7.45224266 6.27517239
-0.04559
0.94114975 -0.69571748 6.43207042 -9.9401306 1.18078087 8.03109941
9.93907917 -3.33643317 3.82820181 -6.44746642]

Sample 8629: [4.45564257e+00 5.58464926e-01 4.52125011e-02 7.38469856e+00
6.35048064e+00 1.46103036e-03 9.13939328e-01 -7.63779081e-01
6.38174109e+00 -9.94088155e+00 1.17554496e+00 8.02554174e+00
9.96515807e+00 -3.35388764e+00 3.80526507e+00 -6.42424146e+00]

Sample 8630: [4.46737829 0.51823266 0.04893783 7.36158465 6.34662431
0.06178037 0.98348297 -0.74858014 6.38470355 -10.04952963
1.19106189 8.06155577 9.98053535 -3.41644703 3.77127405
-6.37631128]

Sample 8631: [4.39033057 0.60842017 0.04689304 7.33852382 6.43920528
0.09967064 1.01988252 -0.75905524 6.43570855 -10.01110479
1.26869205 8.16002941 10.00195521 -3.41775059 3.78205581
-6.35034229]

Sample 8632: [4.38017636 0.47776008 0.07062146 7.33693759 6.4257978
0.11963136 1.02660289 -0.79990312 6.53656923 -10.04879681
1.22625371 8.12661318 9.97167829 -3.44636536 3.75212231
-6.41651045]

Sample 8633: [4.3201042 0.49218394 0.0660908 7.30294373 6.404707
0.18502044 0.9624256 -0.81884562 6.54597114 -10.0170772
1.20115973 8.17809143 9.84753582 -3.38152203 3.7844551
-6.40707338]

Sample 8634: [4.42206506 0.51948446 0.05964897 7.311618 6.41244297
0.1988429 0.92649985 -0.69908221 6.44727374 -10.00720764
1.27920541 8.13595099 9.7330371 -3.22200308 3.74520464
-6.56248959]

Sample 8635: [4.4694278 0.57697016 0.05367708 7.37374473 6.43723218
0.16273381 0.95253667 -0.71059127 6.48903077 -10.07551512
1.24367403 8.05517821 9.75002037 -3.27218188 3.77837598
-6.58680663]

Sample 8636: [4.4192857 0.50032877 0.06403765 7.32309407 6.42992686
0.09982549 0.9528471 -0.71639961 6.48826124 -10.08015212
1.27351532 8.11905321 9.73621051 -3.26077639 3.72515903
-6.60695218]

Sample 8637: [4.39273958 0.51254007 0.06130753 7.41315462 6.36817509
0.0353971 0.92942424 -0.75387142 6.39944424 -10.08757131
1.33216226 8.16163682 9.76809195 -3.32373027 3.74453533
-6.65078743]

Sample 8638: [4.3189109 0.51001896 0.06190226 7.33466865 6.44641326
0.02963387 0.94867997 -0.71013854 6.36118106 -10.08225454
1.43650605 8.16671024 9.77162753 -3.31916628 3.79809806
-6.63184167]

Sample 8639: [4.33102768 0.58596632 0.05571226 7.34231381 6.39144461
0.05988065 1.00809204 -0.69786449 6.37656104 -10.06166483
1.407982 8.15927627 9.69115017 -3.35845678 3.79713601
-6.64089891]

Sample 8640: [4.4648577 0.52408914 0.06702614 7.36200459 6.35853295
0.03136331
1.11976973 -0.72637049 6.40297058 -9.98736071 1.35390623 8.17092644
9.68543613 -3.27949567 3.86002591 -6.6675774]

Sample 8641: [4.50811604 0.54802228 0.06032906 7.31674765 6.44925832
0.0736735
1.05306989 -0.72939695 6.43390846 -9.96222557 1.37997293 8.15588539
9.70571306 -3.3496691 3.90180548 -6.6533685]

Sample 8642: [4.54821684 0.51639977 0.06306025 7.32482058 6.43520766
0.0907187
0.98627565 -0.70601554 6.46878354 -9.91272122 1.43917599 8.08466822
9.65366015 -3.3117892 3.91254536 -6.68466539]

Sample 8643: [4.55195986 0.55070299 0.05867894 7.34015227 6.38906752
0.11656127
1.02219948 -0.69519808 6.47845284 -9.88390117 1.38544119 8.11338032
9.66464988 -3.2415693 3.89645706 -6.75318258]

Sample 8644: [4.54996954 0.55139566 0.05886465 7.38760837 6.38030785
0.21556118
1.00051733 -0.68265527 6.47903189 -9.94086813 1.46441175 8.1591515
9.71776842 -3.23074625 3.89687652 -6.72141124]

Sample 8645: [4.5811759 0.53360231 0.05959322 7.39595027 6.40751624
0.26448864
0.97796105 -0.71318028 6.51602437 -9.94862392 1.56391132 8.19714421
9.80305251 -3.19924748 3.84047761 -6.75875279]

Sample 8646: [4.56275769 0.61009683 0.05492999 7.41892049 6.42078112
0.21337565
1.05260184 -0.6523997 6.55966216 -9.92415417 1.57603292 8.20044451
9.73961061 -3.18926843 3.77439177 -6.80562688]

Sample 8647: [4.53579728 0.57190342 0.05694168 7.36605767 6.46192352
0.24150893
0.99746994 -0.65283416 6.49741221 -9.95597087 1.61669358 8.23542329
9.73840728 -3.15071206 3.75290589 -6.82010889]

Sample 8648: [4.48413761 0.54252211 0.05991952 7.41293613 6.47345682
0.1908993
1.03826799 -0.70549895 6.46418204 -9.96177035 1.63262434 8.23564554
9.81204889 -3.16148385 3.69785285 -6.84227086]

Sample 8649: [4.5253449 0.5325005 0.06218044 7.3896199 6.43358853
0.1478169
1.05989438 -0.69967017 6.41618377 -9.90848018 1.72374261 8.30457048
9.86421092 -3.16187227 3.71869985 -6.89055522]

Sample 8650: [4.47555989 0.60039962 0.05655552 7.36837275 6.44681334
0.25104635
1.05271161 -0.65558407 6.3451463 -9.93070035 1.75934997 8.38853313
9.77986863 -3.2118632 3.70093238 -6.88455601]

Sample 8651: [4.5276838 0.57799231 0.05821003 7.37987889 6.52864044
0.17959176
1.12628291 -0.67032373 6.33727482 -9.87372453 1.64805783 8.38514284
9.74189803 -3.27713339 3.76809586 -6.91506453]

Sample 8652: [4.51917476 0.60138429 0.05704249 7.45431329 6.55222048
0.20367441
1.14629136 -0.65324452 6.33563103 -9.79203413 1.65420713 8.38643795
9.73411008 -3.33185199 3.67702511 -6.88623518]

Sample 8653: [4.45169942 0.5853336 0.06130383 7.40127191 6.49079863
0.20599847
1.2541609 -0.70173533 6.31147472 -9.75534949 1.6864642 8.42598659
9.72897211 -3.33395973 3.60281801 -6.85010032]

Sample 8654: [4.51053082 0.62728662 0.05696362 7.36505417 6.4875007
0.19301559
1.28088391 -0.66406557 6.35408821 -9.70854876 1.61719932 8.45410426
9.7533527 -3.28907944 3.63133598 -6.9218257]

Sample 8655: [4.41454076 0.61854302 0.05608498 7.34546315 6.51513891
0.17298551
1.27605741 -0.67636108 6.40830002 -9.73713823 1.71323995 8.500466
9.80267583 -3.2382735 3.58360002 -6.85279424]

Sample 8656: [4.46337671 0.60057772 0.05817762 7.2678667 6.55613609
0.13220703
1.25662979 -0.69037325 6.47679306 -9.71861597 1.74202076 8.46206219
9.75682659 -3.25422117 3.64317622 -6.86505482]

Sample 8657: [4.54213535 0.58437175 0.05858314 7.26431088 6.6327829
0.0788757
1.2105131 -0.68436604 6.51358053 -9.7790896 1.73106522 8.49995712
9.75566718 -3.21280624 3.65180622 -6.87145249]

Sample 8658: [4.53130517 0.58897799 0.05691311 7.258282 6.60742013
0.14727406
1.13724423 -0.66921703 6.41788615 -9.81815704 1.64208062 8.52071307
9.68514563 -3.18700834 3.63151397 -6.88350632]

Sample 8659: [4.59119361 0.66450866 0.05407628 7.29978699 6.62920001
0.12783055
1.1839427 -0.62548115 6.46340247 -9.75285408 1.64855596 8.40661642
9.67041624 -3.11321592 3.59936819 -6.83582276]
Sample 8660: [4.61898891 0.6900928 0.05268833 7.28713366 6.65353328
0.13121775
1.26525903 -0.64851138 6.40152958 -9.81492634 1.58324559 8.52182974
9.77792081 -3.08711851 3.53552989 -6.91034968]
Sample 8661: [4.52109723 0.59629328 0.05487345 7.24974642 6.59799207
0.19205703
1.20812302 -0.68068141 6.42576109 -9.83437371 1.5424651 8.49037198
9.70681463 -3.11328453 3.58654598 -6.78811631]
Sample 8662: [4.48477394 0.58415493 0.05838627 7.29911161 6.59961053
0.18161137
1.27744967 -0.71565614 6.38260156 -9.87541774 1.55238021 8.438551
9.68021561 -3.15887328 3.62342558 -6.83263886]
Sample 8663: [4.41666144 0.63453534 0.05388658 7.37736935 6.70530052
0.17091927
1.29211807 -0.64373939 6.31896428 -9.87845931 1.56954689 8.32700213
9.65490109 -3.12075513 3.5265509 -6.8504914]
Sample 8664: [4.28863866 0.63203772 0.05419588 7.41032174 6.68766083
0.08698642
1.32478164 -0.68063171 6.37626762 -9.95156926 1.58394821 8.27021857
9.68914691 -3.10715464 3.52496852 -6.77607574]
Sample 8665: [4.2536162 0.63098739 0.05718279 7.41128966 6.72095445
0.11899721 1.41781401 -0.69244375 6.36386714 -10.08753338
1.67605737 8.27749528 9.65396884 -3.13154314 3.50419025
-6.78589468]
Sample 8666: [4.31190518 0.64632503 0.05554673 7.36306583 6.70074977
0.13231389 1.38582621 -0.67886814 6.36320341 -10.09702545
1.74013781 8.29665059 9.63321963 -3.19944399 3.47711599
-6.73380896]
Sample 8667: [4.33729626 0.68228996 0.05529221 7.4400632 6.69364689
0.07573484 1.4943704 -0.65920786 6.45851395 -10.10663253
1.7783256 8.23199771 9.60181965 -3.16072939 3.45637449
-6.82029072]
Sample 8668: [4.26175145 0.63988756 0.05925406 7.42602341 6.59787223
0.11465546 1.47083486 -0.67419271 6.47018581 -10.12588466
1.7375966 8.21664466 9.51648504 -3.14910677 3.53030417
-6.8290849]
Sample 8669: [4.29827641 0.65011144 0.05803065 7.37975699 6.61467628
0.17256582 1.47267273 -0.67483127 6.50219596 -10.16504539
1.6445716 8.15433836 9.51799102 -3.17661902 3.46359057
-6.81638141]
Sample 8670: [4.23893382 0.67003784 0.05522688 7.35708738 6.54395091
0.25750809 1.42851065 -0.64337185 6.41991754 -10.07563428
1.70410901 8.15103843 9.56913726 -3.14900103 3.4549947
-6.77506497]

Sample 8671: [4.27188051 0.66362471 0.05698063 7.27833841 6.53805012
0.2564658
1.53431217 -0.68603644 6.44514202 -9.98755131 1.66494718 8.12551195
9.53901701 -3.15792467 3.44483143 -6.83641514]
Sample 8672: [4.20483529 0.67790945 0.05545957 7.25511506 6.5192938
0.25638857
1.54678152 -0.64530212 6.476013 -9.96319346 1.55815868 8.13576525
9.58336746 -3.07697175 3.37712843 -6.83644365]
Sample 8673: [4.12985423 0.65808295 0.05563908 7.26733589 6.51967904
0.2418416
1.43322685 -0.67631982 6.48323331 -9.90730933 1.62415141 8.19467643
9.49540388 -3.05672422 3.38385239 -6.7540455]
Sample 8674: [4.21706569 0.64796319 0.05668862 7.30333546 6.56885645
0.18457995
1.44875759 -0.67681533 6.53340755 -9.90144915 1.61627889 8.18987773
9.5057747 -3.00407119 3.38397427 -6.64303583]
Sample 8675: [4.24319066 0.68714165 0.05332729 7.27452672 6.58388579
0.17799761
1.41379407 -0.65785427 6.56474361 -9.85178908 1.68229932 8.17073607
9.40336192 -2.99083358 3.28051357 -6.66869027]
Sample 8676: [4.20204979 0.67086667 0.05829414 7.31435312 6.49692474
0.17357285
1.46218068 -0.63550275 6.48081284 -9.8321262 1.62688459 8.14998955
9.35493336 -3.04278928 3.2607401 -6.73821031]
Sample 8677: [4.19194142 0.67929999 0.05426346 7.42852052 6.45939264
0.08182815
1.46298103 -0.65155395 6.49688676 -9.79395099 1.68579041 8.13653247
9.33862684 -3.02679908 3.29916229 -6.74641587]
Sample 8678: [4.11957434 0.7252442 0.05824428 7.38814908 6.48531547
0.03088226
1.42951755 -0.58648769 6.54270414 -9.77281507 1.68014543 8.14796747
9.30448485 -3.02648865 3.19377775 -6.80071534]
Sample 8679: [4.17185388e+00 7.45479082e-01 5.79411140e-02 7.46453679e+00
6.43467436e+00 1.40302491e-03 1.42265063e+00 -5.96819462e-01
6.61917726e+00 -9.78776227e+00 1.66862752e+00 8.07831387e+00
9.25069912e+00 -2.99527893e+00 3.03206718e+00 -6.77801499e+00]
Sample 8680: [4.19662786 0.74629425 0.05429217 7.43327023 6.4346201
-0.03982303
1.33697703 -0.6131189 6.66381135 -9.77334239 1.67937413 8.01211835
9.35767574 -2.95788837 3.05435935 -6.77551985]
Sample 8681: [4.20261239e+00 7.73742854e-01 5.25629823e-02 7.38826310e+00
6.51911048e+00 -8.92906318e-03 1.30847772e+00 -6.32549527e-01
6.68527144e+00 -9.61876313e+00 1.70923945e+00 8.14104473e+00
9.38226272e+00 -2.97572888e+00 3.01542503e+00 -6.79175394e+00]
Sample 8682: [4.19282977 0.7161483 0.05573757 7.41883319 6.53941933
0.01406437
1.39641593 -0.6163292 6.53137974 -9.6060857 1.81774721 8.14898142
9.41536473 -2.93617857 3.00648088 -6.70519564]

Sample 8683: [4.20692466 0.69627196 0.05399539 7.42691811 6.55381113
 -0.01913136
 1.38845947 -0.65872108 6.53649176 -9.62332233 1.76279599 8.1739101
 9.46545214 -2.91251682 3.04890546 -6.73844378]
 Sample 8684: [4.2842988 0.60931185 0.06196496 7.43140588 6.56888063
 0.03591817
 1.35086597 -0.65686464 6.5019225 -9.68650688 1.78687734 8.19403704
 9.48246427 -2.9511114 3.0140368 -6.72112133]
 Sample 8685: [4.29401715e+00 6.38932392e-01 6.10188438e-02 7.43240512e+00
 6.48559485e+00 -9.17969631e-03 1.36114101e+00 -6.98354310e-01
 6.51198360e+00 -9.63815329e+00 1.79276470e+00 8.22394254e+00
 9.44003346e+00 -2.95284485e+00 2.93792499e+00 -6.71617728e+00]
 Sample 8686: [4.30801032 0.59140936 0.06880436 7.4515248 6.52974107
 -0.01830089
 1.41929423 -0.70198135 6.51803761 -9.68037117 1.77118347 8.22312517
 9.42875911 -2.98401956 2.93653444 -6.70897762]
 Sample 8687: [4.39647812 0.62954267 0.06073706 7.4754227 6.4772874
 -0.02190515
 1.35835818 -0.68282351 6.55979655 -9.77951088 1.75701425 8.20330636
 9.39071899 -2.97540259 2.90654812 -6.76851854]
 Sample 8688: [4.39306314e+00 5.61798274e-01 6.89785746e-02 7.48788470e+00
 6.53385431e+00 7.71557502e-03 1.33239249e+00 -7.10082343e-01
 6.54089317e+00 -9.80335560e+00 1.75777827e+00 8.11837676e+00
 9.43330514e+00 -2.92887000e+00 2.85598498e+00 -6.81229133e+00]
 Sample 8689: [4.38784246 0.65912952 0.05550745 7.44488874 6.65142897
 -0.03031944
 1.29847836 -0.63503666 6.52489767 -9.79521496 1.72083243 8.24447048
 9.48376396 -2.92273838 2.88257776 -6.79746976]
 Sample 8690: [4.3962855 0.66198934 0.0559935 7.52598204 6.71014379
 0.05412377
 1.32132167 -0.63801472 6.61422725 -9.95673352 1.71198179 8.27134338
 9.45143247 -2.91423972 2.86980192 -6.91508457]
 Sample 8691: [4.47416675 0.64741347 0.05827109 7.52453108 6.7099536
 0.08050792 1.41943423 -0.62245512 6.66303919 -10.0271166
 1.61889473 8.22203118 9.43833348 -2.86486958 2.86060099
 -6.95880208]
 Sample 8692: [4.4394639 0.68944788 0.0523786 7.53033435 6.75175621
 0.08252277 1.41883277 -0.62832018 6.69643154 -10.0769547
 1.55202116 8.22556549 9.46502746 -2.82803766 2.93966743
 -6.93521668]
 Sample 8693: [4.47729469 0.65594076 0.05280878 7.46232316 6.64673518
 0.1177902 1.39195771 -0.60901503 6.792524 -10.01673436
 1.51431157 8.26970858 9.39383013 -2.7786081 2.98898613
 -6.90162636]
 Sample 8694: [4.42580195 0.64356026 0.04997921 7.51982235 6.65497629
 0.08076534
 1.41409876 -0.65908562 6.83033213 -9.92258367 1.49842955 8.24326866
 9.51000944 -2.85809325 2.97015158 -6.92097363]

Sample 8695: [4.39583376 0.64846785 0.06052232 7.58715897 6.74183985
0.12868702
1.36704889 -0.60347098 6.81629991 -9.90586607 1.42981422 8.24357468
9.47075574 -2.90400866 2.89329963 -6.90456567]
Sample 8696: [4.38482504 0.64745981 0.05173206 7.53237302 6.74884882
0.21436887
1.37682031 -0.65125882 6.76243797 -9.9081614 1.43894233 8.29725491
9.482853 -2.8573563 2.91142369 -6.89716562]
Sample 8697: [4.4386306 0.63756429 0.05417581 7.5231435 6.74335196
0.19236515
1.38788462 -0.64292789 6.8265065 -9.96745483 1.34660372 8.24242689
9.52041352 -2.81232369 2.99356034 -6.86374638]
Sample 8698: [4.37872761 0.69481367 0.04934392 7.60136687 6.78886211
0.22522866
1.38032434 -0.63858518 6.88173624 -9.96076009 1.25785754 8.18517153
9.59245322 -2.79938667 2.97068498 -6.84758595]
Sample 8699: [4.31503618 0.61198653 0.05390524 7.56625287 6.79229308
0.19161265 1.3515229 -0.67832762 6.94978543 -10.00535263
1.24850513 8.25114632 9.63608351 -2.84904318 3.01135719
-6.83868333]
Sample 8700: [4.41019239 0.62699196 0.05376772 7.6820365 6.76892933
0.16821242 1.44138281 -0.70455413 6.9562644 -10.1169768
1.33029284 8.12371121 9.57043806 -2.75414029 3.00117772
-6.76461281]
Sample 8701: [4.40477252 0.66112905 0.05069955 7.59409455 6.71731733
0.27658593 1.41675708 -0.64752469 7.05752259 -10.138527
1.33969625 8.00702782 9.5022303 -2.72666366 3.07341818
-6.73854338]
Sample 8702: [4.39880979 0.65270692 0.05077911 7.62425634 6.69588406
0.27093 1.42484734 -0.67246449 7.02626179 -10.15859291
1.37278305 7.99929539 9.52314718 -2.6543476 3.10180833
-6.71376972]
Sample 8703: [4.40348121 0.57040733 0.05745981 7.51801359 6.72119313
0.19353121 1.31455411 -0.7301628 7.01702531 -10.06150249
1.28103915 8.04131717 9.61705794 -2.71854816 3.09086293
-6.69348919]
Sample 8704: [4.45093485 0.57905072 0.05499033 7.51103981 6.7340325
0.17459154 1.25386009 -0.71791063 7.01271408 -10.07173645
1.19196677 7.98669775 9.59816254 -2.77096231 3.12664991
-6.67599556]
Sample 8705: [4.51221521 0.58844292 0.05390357 7.40667105 6.72401363
0.0915328 1.26313508 -0.69749037 7.02213182 -10.05049942
1.12586565 7.99435171 9.58119935 -2.7278113 3.07991299
-6.69661987]
Sample 8706: [4.51441911 0.54137248 0.06590658 7.34648327 6.67425424
0.10325406 1.22545358 -0.76574093 7.01732487 -10.04244988
1.25151242 8.02280136 9.55775648 -2.71499233 3.18150062
-6.67520235]

Sample 8707: [4.53802644 0.54952844 0.06036582 7.37437724 6.6660317
 0.04924763 1.18447542 -0.72567688 6.98746898 -10.0301098
 1.1538547 8.08183376 9.57851094 -2.75420688 3.20795034
 -6.65771528]
 Sample 8708: [4.52997061 0.5923381 0.05452104 7.42071743 6.64799495
 0.09446979 1.185655 -0.69475823 6.95816062 -10.03139805
 1.10915898 8.11724942 9.59309568 -2.69638635 3.18983979
 -6.63825082]
 Sample 8709: [4.55381223 0.59807742 0.0534427 7.42152659 6.60605139
 0.14776772 1.21430763 -0.68067773 6.98450959 -10.0281454
 1.14450581 8.0977011 9.54418856 -2.67371948 3.18182853
 -6.65193257]
 Sample 8710: [4.56689202 0.61003472 0.05361926 7.35808048 6.60174577
 0.18214701 1.28003978 -0.69840534 6.99634067 -10.01907625
 1.16099875 8.10624468 9.53490635 -2.62854837 3.28960904
 -6.62760347]
 Sample 8711: [4.46441349 0.62212523 0.05364648 7.27589022 6.62559499
 0.10876254
 1.28872046 -0.68336119 6.98890752 -9.98022372 1.13302488 8.16225683
 9.53113785 -2.71009804 3.33328236 -6.5714841]
 Sample 8712: [4.410522 0.61226797 0.05375257 7.21950476 6.7092473
 0.07421318 1.26388553 -0.71149815 6.94803121 -10.03270143
 1.19762936 8.19815712 9.53016991 -2.69931734 3.26479673
 -6.51571646]
 Sample 8713: [4.40421552 0.57718278 0.05638312 7.18228459 6.65387844
 0.0991777 1.23533937 -0.71991194 7.0369567 -10.07488756
 1.18389821 8.21073534 9.52196636 -2.72213298 3.30265548
 -6.52040238]
 Sample 8714: [4.38390787 0.66056452 0.04694335 7.19069259 6.66271695
 0.18569042 1.17092524 -0.67626067 7.03793132 -10.12648505
 1.24046296 8.26414364 9.60798237 -2.725112 3.341306
 -6.54489326]
 Sample 8715: [4.2974405 0.59916138 0.05164683 7.18118303 6.66322412
 0.13886357 1.17287801 -0.69657461 7.07769855 -10.029398
 1.23049335 8.40367409 9.52447588 -2.71167628 3.43998436
 -6.54418224]
 Sample 8716: [4.27005121 0.54372828 0.05930554 7.19773681 6.64152892
 0.11816182
 1.14082486 -0.73744865 7.03790597 -9.93795391 1.23156514 8.34996737
 9.59768631 -2.69985893 3.40818762 -6.59328599]
 Sample 8717: [4.22824219 0.56297033 0.0547761 7.25446308 6.63887952
 0.16741008
 1.11638111 -0.71424537 6.98973719 -9.96903589 1.33190358 8.42936261
 9.58805063 -2.62237791 3.48737297 -6.64575435]
 Sample 8718: [4.1761822 0.57130163 0.05480596 7.25364904 6.6672797
 0.22769944 1.14501663 -0.70094328 6.9379057 -10.0465643
 1.38377201 8.47919074 9.59198961 -2.58508092 3.50413701
 -6.60276152]

Sample 8719: [4.16119837 0.58569934 0.05092391 7.28087113 6.64897288
 0.21358171 1.0473742 -0.68366319 6.96322637 -10.12379962
 1.34514067 8.43069001 9.52318041 -2.55883753 3.4656906
 -6.58042295]
 Sample 8720: [4.13334461 0.57476213 0.05008374 7.25703919 6.60082428
 0.2037153 0.98964306 -0.68390487 7.01369561 -10.15329481
 1.34619591 8.44004683 9.59976804 -2.58456836 3.48663544
 -6.60853485]
 Sample 8721: [4.10267634 0.60833634 0.04844063 7.36218038 6.51052696
 0.22042995 0.93744459 -0.65105832 7.0653308 -10.04518588
 1.38061087 8.39720455 9.58674756 -2.56461856 3.52772131
 -6.63720047]
 Sample 8722: [4.17701384 0.55595908 0.05070814 7.31175849 6.54528992
 0.25322543 0.87475026 -0.68094228 7.09005183 -10.04679187
 1.43736188 8.42104642 9.51709335 -2.6300665 3.4987394
 -6.55955136]
 Sample 8723: [4.16157591 0.52252978 0.05801049 7.36224857 6.56490966
 0.33832286
 0.9931406 -0.71187162 7.06883099 -9.96253549 1.50772404 8.39841678
 9.50170358 -2.59275738 3.51262906 -6.5515943]
 Sample 8724: [4.12015319 0.53952666 0.05254116 7.32170736 6.59869093
 0.3490476
 0.93190785 -0.69959673 7.05679875 -9.92337309 1.54426528 8.39123782
 9.47615252 -2.59488622 3.54218255 -6.54983791]
 Sample 8725: [4.16296759 0.48196806 0.0610552 7.25299225 6.70394995
 0.36972722
 0.93752206 -0.73559556 7.07331462 -9.93615555 1.56582007 8.37658566
 9.51130641 -2.59566797 3.54073064 -6.59281822]
 Sample 8726: [4.14816105 0.4820225 0.05370228 7.27250739 6.74490119
 0.37636603
 0.83975873 -0.73481669 7.08494034 -9.85911107 1.54495563 8.38316221
 9.56416731 -2.66960349 3.62612127 -6.65375471]
 Sample 8727: [4.114858 0.55241734 0.04886857 7.29963346 6.76543147
 0.38329281
 0.91154168 -0.64980705 6.99562847 -9.83122486 1.54578145 8.43239346
 9.58546282 -2.66078682 3.55101127 -6.65522636]
 Sample 8728: [4.17861939 0.57861327 0.04605109 7.36263151 6.76677385
 0.33713025
 0.95620571 -0.67624022 7.02434428 -9.72244529 1.6082029 8.4664833
 9.57579828 -2.63425653 3.5627618 -6.70533573]
 Sample 8729: [4.24948579 0.55810559 0.04934168 7.29017695 6.84924505
 0.35508089
 1.010539 -0.66408396 7.04936305 -9.70772841 1.73124369 8.43838136
 9.58490581 -2.61776109 3.59242779 -6.64310066]
 Sample 8730: [4.21038088 0.53532398 0.04815654 7.19718137 6.78182409
 0.34161938
 0.87968593 -0.70091391 7.0810068 -9.67830626 1.70678178 8.40034669
 9.57352961 -2.64145631 3.59529391 -6.63418031]

Sample 8731: [4.22435468 0.48041654 0.05271326 7.23426514 6.77342329
 0.38009301
 0.76490381 -0.68233247 7.11260084 -9.79481011 1.71244909 8.4521352
 9.56728281 -2.59415454 3.62233998 -6.64944165]
 Sample 8732: [4.29159143 0.46997111 0.05360428 7.2252808 6.73596366
 0.49493423
 0.78178283 -0.73684432 7.16467573 -9.80409075 1.69202232 8.44059612
 9.58448458 -2.47275601 3.57805129 -6.7246986]
 Sample 8733: [4.28882094 0.47830959 0.05585615 7.25369157 6.75322079
 0.53721196
 0.79120462 -0.68224673 7.12720794 -9.78989245 1.76584442 8.54406128
 9.53923719 -2.49710342 3.53796876 -6.70730466]
 Sample 8734: [4.28355067 0.49102086 0.05363004 7.31595044 6.778427
 0.55803981
 0.77528078 -0.71193931 7.14021152 -9.82073206 1.76888206 8.59771506
 9.54219144 -2.48666629 3.53701055 -6.65247057]
 Sample 8735: [4.28814993 0.50762961 0.05341512 7.44074601 6.8122658
 0.62990212
 0.7970137 -0.66949585 7.15414987 -9.85588045 1.7648564 8.57122566
 9.49792805 -2.46976043 3.5607657 -6.61823004]
 Sample 8736: [4.322482 0.50580382 0.05091676 7.46660688 6.83782243
 0.64038109
 0.72711596 -0.6929097 7.1080747 -9.89239461 1.75704499 8.57248985
 9.56712618 -2.42289303 3.55455151 -6.66278203]
 Sample 8737: [4.40579314 0.47684369 0.0549517 7.49925979 6.84401481
 0.66970668
 0.73258863 -0.67541614 7.05305578 -9.9231487 1.75131974 8.52267653
 9.5820222 -2.34828125 3.54007196 -6.70271582]
 Sample 8738: [4.52987856 0.44102787 0.05941304 7.59455088 6.82433748
 0.66909587 0.70477882 -0.74985865 6.98698358 -10.02097888
 1.73237384 8.47039568 9.63934376 -2.3161958 3.54757981
 -6.69468944]
 Sample 8739: [4.47567524 0.413486 0.07408347 7.56257084 6.78918798
 0.77761358
 0.73573208 -0.84764694 7.10130146 -9.99233741 1.62718026 8.51931491
 9.63758733 -2.30352198 3.4797459 -6.6269352]
 Sample 8740: [4.57041513 0.42555215 0.06786551 7.60892057 6.76891851
 0.77795305
 0.80652413 -0.79014798 7.03652072 -9.93620744 1.61411604 8.52349073
 9.69901292 -2.2520732 3.3633438 -6.57322209]
 Sample 8741: [4.65148209 0.46778072 0.05901359 7.58695632 6.73514193
 0.76397968
 0.82135029 -0.77880682 7.02915827 -9.90412767 1.62191579 8.54160186
 9.75362444 -2.29171391 3.36781603 -6.62074939]
 Sample 8742: [4.60959002 0.48069073 0.05910504 7.60446945 6.73651776
 0.8322177
 0.87695679 -0.75125756 7.00507192 -9.9265303 1.63525286 8.4862684
 9.78689121 -2.32654953 3.3442837 -6.59251085]

Sample 8743: [4.70639717 0.51795001 0.05229733 7.57772498 6.85643577
0.7590259
0.85246026 -0.71979737 6.93629683 -9.8812977 1.63222002 8.49463269
9.7932445 -2.36427175 3.33417265 -6.6091094]
Sample 8744: [4.75575717 0.47730363 0.05920126 7.52038634 6.81081742
0.76392723
0.87184126 -0.74851644 6.86098345 -9.92811389 1.67666669 8.52989229
9.81566101 -2.40396594 3.32700858 -6.63154791]
Sample 8745: [4.80883861 0.46204906 0.06439125 7.48940271 6.7927363
0.74894156
0.90251344 -0.80287763 6.83175206 -9.94043877 1.63231781 8.51891936
9.82410689 -2.35297582 3.38658709 -6.64395703]
Sample 8746: [4.79900978 0.42086505 0.07894246 7.55844691 6.84795204
0.60071611
0.86956715 -0.81446047 6.76406966 -9.87282173 1.63064693 8.51222049
9.77537497 -2.32524634 3.33243768 -6.5733389]
Sample 8747: [4.72476655 0.44185543 0.06616431 7.59955068 6.8533199
0.56505936
0.78587405 -0.82396851 6.77325127 -9.78675628 1.65172443 8.52799367
9.86092037 -2.29200687 3.32679393 -6.50254108]
Sample 8748: [4.67955495 0.45882205 0.06419014 7.60188885 6.80785096
0.6276004
0.8386454 -0.75044069 6.87160153 -9.90689085 1.63538328 8.51517016
9.8226973 -2.3282461 3.2359869 -6.47949336]
Sample 8749: [4.68792499 0.46296506 0.06158138 7.57388408 6.84072913
0.6670743
0.77054508 -0.78634309 6.86817019 -9.85183198 1.64991622 8.60585795
9.79347873 -2.28453668 3.1910041 -6.55266561]
Sample 8750: [4.72216368 0.4703784 0.06093636 7.55790332 6.90542662
0.59656253
0.80768184 -0.74730527 6.94226936 -9.8941424 1.71121887 8.61171151
9.8367924 -2.28846991 3.25530766 -6.5372313]
Sample 8751: [4.75103381 0.53107776 0.05075911 7.59037272 6.96732928
0.64967009
0.75150145 -0.70092279 6.88567034 -9.89792824 1.68862073 8.59258884
9.78989946 -2.32486144 3.19136849 -6.60415529]
Sample 8752: [4.7158528 0.50254819 0.04974628 7.56644726 6.968581
0.55639487
0.72414908 -0.70398241 6.96372961 -9.94983872 1.66523198 8.62442294
9.79250934 -2.26703252 3.25890491 -6.57581468]
Sample 8753: [4.67003344 0.48301026 0.05008103 7.60201928 6.890256
0.60203311
0.76659978 -0.73540383 6.98453485 -9.9560034 1.67323557 8.60043448
9.78777634 -2.32684833 3.31311421 -6.56624488]
Sample 8754: [4.68881949 0.47915729 0.04933422 7.59637542 6.98233293
0.61273093
0.74912794 -0.71533209 6.99384378 -9.81831204 1.68594152 8.53439372
9.74038196 -2.34372418 3.3321607 -6.61599137]

Sample 8755: [4.64330754 0.51431155 0.04568789 7.60329459 6.99503389
0.6246495
0.76156465 -0.70396231 6.96916082 -9.85564532 1.62868234 8.42537975
9.7458405 -2.3330286 3.38895241 -6.61491059]

Sample 8756: [4.60943402 0.49517683 0.04868624 7.50697786 6.9501003
0.66676175
0.77158829 -0.70343671 7.0268105 -9.76494842 1.55625612 8.43842985
9.79112572 -2.4016493 3.46924644 -6.62975019]

Sample 8757: [4.62820689 0.52209171 0.04583282 7.58454924 6.93889467
0.65546594
0.80696019 -0.70022168 7.07562033 -9.78172223 1.50607688 8.40647031
9.75600093 -2.44308338 3.45937444 -6.71088351]

Sample 8758: [4.68794372 0.46220325 0.05951816 7.51660701 6.89299747
0.55323769
0.8767956 -0.72297868 7.07065043 -9.81166229 1.44589174 8.43457222
9.75273807 -2.50615845 3.47216503 -6.77148855]

Sample 8759: [4.62997848 0.53111686 0.04801624 7.54416624 6.88372614
0.55414678
0.87215871 -0.70350173 7.0491981 -9.758853 1.41978962 8.51329395
9.77594708 -2.57655312 3.50922547 -6.77286974]

Sample 8760: [4.63467545 0.50926421 0.05486861 7.48809678 6.87219773
0.49025613
0.89710508 -0.67808017 7.04454286 -9.73940928 1.42936463 8.48103651
9.73008035 -2.56417175 3.4836405 -6.82873875]

Sample 8761: [4.69126984 0.52210945 0.05286037 7.52048203 6.90042664
0.51742208
0.87665426 -0.69220369 7.10625322 -9.77806209 1.47855615 8.45919848
9.65335305 -2.51468037 3.46429567 -6.83263963]

Sample 8762: [4.64127878 0.49695927 0.05993513 7.50427392 6.94123948
0.47354834
0.89010654 -0.67032332 7.05352552 -9.76104707 1.50278973 8.43957314
9.62038977 -2.6063465 3.45423531 -6.85872409]

Sample 8763: [4.6141279 0.47160262 0.06113786 7.48653594 7.0412414
0.46122498
0.90209224 -0.76632626 7.04011892 -9.7382345 1.47434459 8.38605355
9.68362834 -2.60353506 3.51695106 -6.80511968]

Sample 8764: [4.62175129 0.49268919 0.05720641 7.49551924 6.98697822
0.38977368
0.84635352 -0.66599699 6.99294252 -9.7769391 1.40349633 8.41460067
9.61673617 -2.53471058 3.55758358 -6.73842309]

Sample 8765: [4.66499207 0.5752822 0.05034535 7.54475251 6.93684531
0.39156917
0.79932884 -0.64476989 7.04442108 -9.73789557 1.43522799 8.47290131
9.54818583 -2.60091146 3.550146 -6.78074577]

Sample 8766: [4.66879441 0.5636075 0.05132449 7.47617823 6.93659642
0.33272005
0.79569499 -0.6446161 7.02790348 -9.79860808 1.48161107 8.36777344
9.51297101 -2.67067994 3.49181223 -6.70670226]

Sample 8767: [4.72057477 0.4496002 0.06283659 7.58664928 6.8544063
 0.30124934
 0.79364435 -0.72530848 7.05012049 -9.83517335 1.57485333 8.29082024
 9.65661819 -2.66174625 3.42960949 -6.68563104]
 Sample 8768: [4.74449789 0.49990578 0.05155323 7.58947826 6.80094653
 0.36643005
 0.70074211 -0.71351472 7.07400819 -9.87304547 1.58164279 8.32902374
 9.74658913 -2.64877263 3.45418936 -6.61021138]
 Sample 8769: [4.72639137 0.48694542 0.05491463 7.68333553 6.80150209
 0.28218679
 0.71350187 -0.69554567 7.13375443 -9.75812768 1.47694986 8.32727378
 9.76212207 -2.61147719 3.313988 -6.58316734]
 Sample 8770: [4.71945637 0.48827284 0.05487862 7.75833521 6.75359302
 0.13394856
 0.72539697 -0.7340368 7.10371308 -9.73113341 1.44197351 8.29916588
 9.81320601 -2.55841817 3.31817546 -6.60953995]
 Sample 8771: [4.754582 0.46766142 0.05625165 7.8150766 6.76828067
 0.20814605
 0.68402738 -0.70369227 7.12997527 -9.75787406 1.48530569 8.31123544
 9.87053699 -2.57286964 3.34438833 -6.69118554]
 Sample 8772: [4.78524518 0.52158622 0.0488428 7.7339734 6.78388999
 0.19625102
 0.68870231 -0.69404531 7.16226719 -9.76577411 1.45567855 8.23717329
 9.8228212 -2.50495027 3.26500706 -6.67799356]
 Sample 8773: [4.77798541 0.5411341 0.05053382 7.7279006 6.72551837
 0.16044088
 0.77954235 -0.70541578 7.07463557 -9.7807935 1.48218023 8.23330754
 9.85247863 -2.46280028 3.23016385 -6.52175334]
 Sample 8774: [4.79213775 0.46005911 0.05685147 7.70964492 6.70464946
 0.15933158
 0.73372556 -0.75246143 7.15738224 -9.80165831 1.4018453 8.24103037
 9.86658489 -2.35164828 3.23056914 -6.49646281]
 Sample 8775: [4.76485141 0.45531077 0.05681386 7.64266054 6.61656148
 0.09925636
 0.69953596 -0.75873523 7.15879968 -9.83469464 1.29137073 8.2031575
 9.92402312 -2.27581358 3.20230069 -6.52462095]
 Sample 8776: [4.73947748 0.42740745 0.05966765 7.7384107 6.54345613
 0.11397813
 0.59951845 -0.75302806 7.21377377 -9.86539308 1.324623 8.2597381
 9.85359281 -2.29701372 3.25074219 -6.51126649]
 Sample 8777: [4.73493958 0.46225288 0.05274755 7.84921348 6.49114849
 0.18997095
 0.60204409 -0.72316475 7.30587075 -9.86657997 1.24546645 8.23196192
 9.78703322 -2.35419459 3.20282434 -6.53856538]
 Sample 8778: [4.71772433 0.41503131 0.05689344 7.9200969 6.43770175
 0.15461643
 0.51098422 -0.73844613 7.27106816 -9.90051234 1.25706909 8.33168566
 9.76730385 -2.33472557 3.17998834 -6.54546201]

Sample 8779: [4.68939668 0.43041978 0.0524601 7.91827558 6.4818721
0.05069265
0.50010072 -0.74399374 7.32030407 -9.96446277 1.29711146 8.33129689
9.80276726 -2.34333334 3.22561532 -6.51660929]
Sample 8780: [4.72874145 0.42740077 0.05395469 7.92879526 6.49438674
0.01776188
0.58401984 -0.7605851 7.30952353 -9.93552572 1.35929865 8.35929079
9.87487851 -2.25993449 3.24045285 -6.49930211]
Sample 8781: [4.7093405 0.48770816 0.04746942 7.91353559 6.41843047
0.03155957 0.66576026 -0.72449533 7.26480317 -10.03638104
1.2921656 8.43190647 9.82672554 -2.2164023 3.23754896
-6.49701713]
Sample 8782: [4.69746914 0.48052618 0.04357885 7.86191236 6.43668835
0.06292449 0.62257356 -0.72521627 7.36146852 -10.06697779
1.29986065 8.33189567 9.8753647 -2.19000879 3.24652959
-6.47955087]
Sample 8783: [4.78016204 0.50833143 0.0442171 7.93025402 6.43749973
0.0747906 0.73280038 -0.72649214 7.45237449 -10.14239472
1.32918585 8.36515367 9.82470617 -2.16944184 3.23107556
-6.42943703]
Sample 8784: [4.7489972 0.46984347 0.04561572 7.89384929 6.39021178
0.05903387 0.63872669 -0.73770249 7.47477625 -10.17796393
1.32769721 8.33843554 9.88713945 -2.12032101 3.22405277
-6.46910461]
Sample 8785: [4.75861826 0.45665269 0.04923825 7.88686571 6.45767726
0.08489433 0.63585924 -0.74502683 7.50587247 -10.14438488
1.33169347 8.28470698 9.79863339 -2.1108739 3.26351304
-6.4413699]
Sample 8786: [4.74085203 0.38819802 0.06195795 7.86401306 6.4852609
0.04470164 0.63165182 -0.78974057 7.49605295 -10.28528273
1.35480628 8.24979184 9.7841474 -2.12548676 3.24421939
-6.51090697]
Sample 8787: [4.81970952 0.42146494 0.05461493 7.80987348 6.51115025
0.04317707 0.59960434 -0.78351094 7.58930968 -10.29902846
1.3121096 8.22727769 9.69437261 -2.14639914 3.21625526
-6.54949625]
Sample 8788: [4.83636117 0.36538686 0.06996518 7.91719132 6.47094426
-0.01768361 0.58874076 -0.8454702 7.55547517 -10.2434921
1.29838855 8.19368005 9.67658799 -2.13406172 3.21471204
-6.52296358]
Sample 8789: [4.82968849 0.39808938 0.06278039 7.82030197 6.47987237
-0.08051354 0.54815193 -0.7975285 7.62095258 -10.19331363
1.28751005 8.2527341 9.70813221 -2.0479087 3.2471383
-6.4252651]
Sample 8790: [4.84597847 0.42456351 0.05802131 7.86589855 6.52749045
-0.11875074 0.54618541 -0.74852803 7.61962714 -10.14658578
1.24572054 8.2422027 9.6501346 -2.01649166 3.32840306
-6.43504286]

Sample 8791: [4.88284618 0.3909162 0.06414413 7.85035218 6.46118482
 -0.06951599 0.54388095 -0.7742012 7.64162997 -10.07876775
 1.29950308 8.1563901 9.64539136 -2.09242489 3.30109639
 -6.39586305]
 Sample 8792: [4.90053896 0.41480325 0.05808088 7.85799206 6.50505184
 -0.07828077 0.52194264 -0.77470023 7.60025293 -10.00960855
 1.36123025 8.1164923 9.73351082 -2.1027615 3.29102748
 -6.3515268]
 Sample 8793: [4.87031363 0.3879209 0.06522914 7.79734321 6.55058671
 -0.12499691
 0.56430619 -0.81947545 7.61972002 -9.91682335 1.32191973 8.12558361
 9.82851354 -2.13605974 3.24225624 -6.35598313]
 Sample 8794: [4.90005485 0.42811358 0.05733223 7.82855745 6.5688031
 -0.22830906
 0.53551283 -0.7992919 7.62271499 -9.92957547 1.2749934 8.08984488
 9.79488692 -2.12869776 3.28244966 -6.38250316]
 Sample 8795: [4.9280762 0.38176523 0.06783058 7.79176617 6.60406803
 -0.2441218
 0.59257746 -0.83436486 7.55008632 -9.90167098 1.18785675 8.02868135
 9.76676561 -2.09357375 3.27405412 -6.36739114]
 Sample 8796: [4.92056168 0.39574532 0.06769599 7.76028794 6.64424497
 -0.28497506
 0.6311688 -0.81227732 7.4956395 -9.87761776 1.22500284 8.02839908
 9.70860255 -2.04899031 3.22631824 -6.30009307]
 Sample 8797: [4.97517889 0.47037631 0.0545258 7.69647443 6.58797422
 -0.31224042
 0.66788206 -0.77713323 7.54560657 -9.83138275 1.17465044 7.94611439
 9.72978981 -2.03187164 3.31722051 -6.20132713]
 Sample 8798: [4.99541286 0.41703791 0.06097333 7.70149781 6.61902967
 -0.39364963
 0.59108273 -0.79634593 7.6332134 -9.87655339 1.18602898 7.90111859
 9.68383088 -1.96635453 3.33349395 -6.14065393]
 Sample 8799: [5.03542446 0.43031021 0.06242118 7.72579731 6.64667872
 -0.50807712
 0.65970036 -0.82734082 7.64855336 -9.92553043 1.09752893 7.84105898
 9.72188511 -2.00912868 3.37712601 -6.1449483]
 Sample 8800: [4.95336362 0.38794521 0.07211721 7.69297057 6.5833517
 -0.51378092
 0.6629805 -0.85593234 7.57754598 -9.91576147 1.09608063 7.83996951
 9.7482896 -1.94140968 3.39073519 -6.15009]
 Sample 8801: [4.92249748 0.38109606 0.06826399 7.80324991 6.58099185
 -0.47953737
 0.58294936 -0.87169175 7.57643841 -9.87952986 1.15025238 7.86809725
 9.7603227 -2.00505567 3.31630344 -6.10150357]
 Sample 8802: [4.93191964 0.42696982 0.05857262 7.7770887 6.62111943
 -0.50268306
 0.59120463 -0.7986014 7.58172152 -9.97230429 1.21031174 7.93522175
 9.7725868 -1.9934136 3.29160954 -6.13035816]

Sample 8803: [4.91331649 0.41254016 0.05986084 7.75292679 6.57266718
 -0.54408836
 0.53340009 -0.82000841 7.56789789 -9.99568491 1.12519947 7.937726
 9.73081208 -1.9912445 3.29715859 -5.97734847]
 Sample 8804: [4.81422319 0.38805033 0.0617919 7.90590641 6.52309497
 -0.48057069
 0.45128815 -0.84379661 7.4886438 -9.91331382 1.0915119 7.8740879
 9.7463538 -2.10137149 3.34788465 -6.08520458]
 Sample 8805: [4.85466059 0.37431546 0.06037195 7.93289734 6.47487885
 -0.51503622
 0.39088704 -0.78991969 7.4481818 -9.98642877 0.99932259 7.84028941
 9.68080971 -2.0672912 3.32155956 -6.09097997]
 Sample 8806: [4.83354857 0.42771247 0.05374259 7.88854454 6.43407847
 -0.44206547 0.42039332 -0.78267917 7.51311537 -10.01826995
 1.00618701 7.84918007 9.70750958 -1.98005029 3.26557594
 -6.10872304]
 Sample 8807: [4.82587123 0.47049421 0.05087926 7.85853477 6.37848232
 -0.46706047
 0.38721024 -0.73186105 7.40831646 -9.997363 0.99515627 7.81077551
 9.72909991 -2.00745738 3.20354822 -6.04472585]
 Sample 8808: [4.89478423 0.43798892 0.05304182 7.82577451 6.38244661
 -0.55635831 0.42253639 -0.79118653 7.47730134 -10.05825318
 0.90222515 7.78944821 9.76954605 -2.02689413 3.17582378
 -6.0264032]
 Sample 8809: [4.91568425 0.40060257 0.05555867 7.76427786 6.41029809
 -0.50254257 0.45440248 -0.79912185 7.48685118 -10.03045367
 0.97457263 7.8124002 9.78217994 -2.08300317 3.18423211
 -5.99512411]
 Sample 8810: [4.77656523 0.40377474 0.05808285 7.72369372 6.42325346
 -0.53567336 0.52097768 -0.83813009 7.48356943 -10.10298845
 0.96413655 7.81935677 9.75183206 -2.21794078 3.12793349
 -5.98731377]
 Sample 8811: [4.75071006 0.41159742 0.05678534 7.66178941 6.47569381
 -0.4537242 0.51075717 -0.83449103 7.50023847 -10.08827042
 0.88610392 7.78479658 9.71241436 -2.256416 3.07977976
 -5.97585527]
 Sample 8812: [4.70839773 0.38453597 0.06291216 7.6306576 6.4883925
 -0.44662741 0.54043642 -0.86805947 7.46468349 -10.05122928
 0.82195814 7.73175724 9.84755657 -2.20320832 3.00412933
 -6.04275552]
 Sample 8813: [4.65554172 0.3568168 0.06947825 7.70388287 6.51421774
 -0.52132423 0.49665526 -0.88345588 7.49603227 -10.04788531
 0.81283521 7.75190991 9.85667066 -2.18662348 2.89304007
 -6.02796902]
 Sample 8814: [4.67172266 0.36962265 0.06884856 7.70883157 6.4875407
 -0.47617872 0.53203758 -0.92771457 7.55469824 -10.07717733
 0.77087369 7.7586023 9.89852347 -2.23916937 2.78040745
 -5.929568]

Sample 8815: [4.76209624 0.37991972 0.05601973 7.62990661 6.50961751
-0.44845752 0.41140826 -0.8405709 7.46743623 -10.06937884
0.75951511 7.85413842 9.9132023 -2.24047878 2.85656091
-5.93487926]

Sample 8816: [4.7405184 0.43107508 0.04691236 7.64427276 6.52727988
-0.48431271 0.44668279 -0.80565677 7.45165955 -10.10135065
0.77290104 7.82210659 9.9445141 -2.29721252 2.81795327
-5.96404996]

Sample 8817: [4.72503949 0.42135164 0.04778113 7.71485236 6.50119665
-0.42598196 0.38496067 -0.79013109 7.43264174 -10.06842003
0.78570702 7.70025102 9.93557731 -2.19722608 2.82820857
-6.04984063]

Sample 8818: [4.69444091 0.40189023 0.05227956 7.70924134 6.41001746
-0.38430517 0.38088178 -0.81386529 7.3836458 -10.12365302
0.70428335 7.689839 9.95390901 -2.21141023 2.91444824
-6.05178174]

Sample 8819: [4.68603393 0.43801496 0.04780125 7.67275505 6.39398343
-0.4244359 0.39306932 -0.78227063 7.23764903 -10.19281158
0.7479842 7.62140788 9.9978176 -2.15010881 2.93010343
-6.00282435]

Sample 8820: [4.65095615 0.39902425 0.05537303 7.68549886 6.37489385
-0.47923178 0.41983742 -0.84274309 7.22911914 -10.22813269
0.77390457 7.65687018 10.00444352 -2.13117609 2.85839827
-5.911253]

Sample 8821: [4.62027538 0.37808667 0.05462962 7.59995439 6.38026844
-0.51344017 0.3342556 -0.82894097 7.14403292 -10.1906486
0.84251386 7.55326993 10.0117117 -2.14632919 2.86644634
-5.93332293]

Sample 8822: [4.58555273 0.39043077 0.05105554 7.68204776 6.37910354
-0.56196557 0.28212238 -0.82328111 7.13725608 -10.17793463
0.83862259 7.55108004 9.96285206 -2.18868484 2.7810337
-5.93565326]

Sample 8823: [4.51641377 0.31685181 0.06134914 7.6342322 6.49684897
-0.50288365 0.28229975 -0.87354071 7.06178917 -10.23355093
0.7578698 7.57314807 9.94210267 -2.21276718 2.78654782
-5.94470574]

Sample 8824: [4.58895209 0.34316779 0.05718005 7.63004263 6.51838881
-0.49265947 0.26381304 -0.86945601 7.07635127 -10.2120535
0.72060591 7.6593579 9.88033567 -2.22790347 2.72340408
-5.98916283]

Sample 8825: [4.64742742 0.31525737 0.05815002 7.68192012 6.55162192
-0.46166495 0.23304232 -0.87497273 7.03919095 -10.21946659
0.79007135 7.68243743 9.90336751 -2.20710883 2.71897738
-6.00533093]

Sample 8826: [4.61668494 0.32290464 0.05701669 7.69318058 6.48704936
-0.52597591 0.20810666 -0.85520605 7.02196826 -10.28508319
0.72152364 7.72373565 9.89434121 -2.12267662 2.68263015
-6.01216325]

Sample 8827: [4.67136226 0.35607105 0.05481685 7.68694001 6.44946253
-0.51387578 0.19949959 -0.8330068 7.04577282 -10.21204495
0.81461917 7.70783171 9.87614804 -2.17343837 2.71383371
-6.0303877]

Sample 8828: [4.66320526 0.32193761 0.05494679 7.61840278 6.46008025
-0.54851318 0.17284588 -0.87521533 7.13672128 -10.2150109
0.76126358 7.77328392 9.93963216 -2.21118462 2.67518672
-5.98204262]

Sample 8829: [4.63807266 0.33098592 0.05198542 7.63785874 6.4506423
-0.5570885 0.16812092 -0.85473179 7.08247916 -10.26647742
0.85122521 7.77147344 9.88959037 -2.26981563 2.65017219
-5.90855632]

Sample 8830: [4.61505152 0.3572157 0.05223905 7.61649668 6.46276092
-0.55890311 0.19934601 -0.84946284 6.97629342 -10.31544414
0.95676028 7.82470691 9.91603814 -2.33863216 2.65643729
-5.91850648]

Sample 8831: [4.56796291 0.3415977 0.05290443 7.60772472 6.39462159
-0.62636778 0.20127556 -0.85518852 6.98373822 -10.33705704
0.8992973 7.78791994 9.83979005 -2.40600825 2.54828112
-5.84115724]

Sample 8832: [4.70827238 0.29224749 0.05696162 7.64764014 6.46110103
-0.62046779 0.18309054 -0.89688053 6.95759108 -10.38404503
0.8493643 7.72554865 9.86665835 -2.50639166 2.60325807
-5.94741741]

Sample 8833: [4.72446015 0.28380304 0.0594457 7.69549734 6.54449142
-0.66490146 0.18616392 -0.93476708 6.9938284 -10.4310072
0.81900605 7.74804906 9.95500497 -2.50144457 2.61568808
-5.91305034]

Sample 8834: [4.735467 0.30172091 0.05986741 7.7771893 6.52948057
-0.6661071 0.21160208 -0.93822708 6.96352369 -10.48374711
0.76521429 7.7926023 9.97734788 -2.47538768 2.55047798
-5.83678748]

Sample 8835: [4.73563167 0.35304498 0.04990443 7.80933445 6.51736221
-0.77192673 0.2230151 -0.84150681 6.99905604 -10.45961035
0.82818335 7.69712264 9.90315732 -2.54066309 2.50807307
-5.93601107]

Sample 8836: [4.73774969 0.35499686 0.05287679 7.81336035 6.50065642
-0.74337788 0.23130112 -0.83749293 7.01934307 -10.46549821
0.93483316 7.73911156 9.87838089 -2.50478267 2.49452337
-5.98246388]

Sample 8837: [4.67798432 0.41090234 0.04645744 7.78293469 6.50953571
-0.78439048 0.26178048 -0.78013602 6.91756005 -10.3994721
0.86115678 7.80579648 9.83321727 -2.52469108 2.45688869
-5.92741309]

Sample 8838: [4.62735188 0.36591229 0.05272377 7.85527013 6.52608314
-0.72786159 0.20721211 -0.8239372 6.90381357 -10.39235381
0.9546273 7.80806447 9.83370318 -2.6034172 2.46590945
-5.99318734]

Sample 8839: [4.51651287 0.30934267 0.05510627 7.8647345 6.58710625
-0.72177474 0.14359616 -0.86989772 6.89347801 -10.44274558
1.05764132 7.8044479 9.75441754 -2.55101617 2.51911549
-5.93884398]

Sample 8840: [4.47751563 0.34175134 0.05311156 7.86361688 6.60292267
-0.77989342 0.09384332 -0.84980451 6.87836125 -10.44357885
1.02678145 7.81693729 9.74711271 -2.57621674 2.51174939
-5.97383357]

Sample 8841: [4.50448346 0.34004503 0.05116066 7.9011918 6.57944939
-0.79518239 0.09720919 -0.84038591 6.82723777 -10.48621528
0.92822728 7.83183936 9.72254372 -2.60151192 2.47215692
-5.91812432]

Sample 8842: [4.49386667 0.30326287 0.05307315 7.84072962 6.5589694
-0.75363902 0.09678956 -0.89142791 6.83176337 -10.51855931
0.9481241 7.85391843 9.73024252 -2.61610217 2.47445526
-5.95948768]

Sample 8843: [4.43803758 0.26585934 0.06202737 7.88418646 6.53419613
-0.68738186 0.11681614 -0.98534948 6.86465301 -10.60056375
0.97215005 7.84356041 9.80890799 -2.55154621 2.50518801
-5.98624924]

Sample 8844: [4.36633151 0.28255382 0.05955813 7.89218036 6.50722386
-0.79172567 0.14528271 -0.95269934 6.87263505 -10.63291961
0.91242593 7.86094616 9.79287656 -2.47027533 2.56916713
-5.92708084]

Sample 8845: [4.34954914 0.30160213 0.05919307 7.89532877 6.58751454
-0.82241728 0.18680152 -0.9258786 6.86597478 -10.64241428
0.90946949 7.92241646 9.78707802 -2.42984133 2.58664477
-5.92325877]

Sample 8846: [4.38766751 0.30755939 0.06830437 7.94087405 6.63714129
-0.84240216 0.27076401 -0.9663293 6.89636648 -10.61015115
0.8253143 7.88540985 9.79952262 -2.42363997 2.59524178
-5.86259682]

Sample 8847: [4.49262685 0.31423326 0.07526254 7.90547664 6.65450365
-0.82899734 0.34818504 -0.97565948 6.91201088 -10.64501909
0.75118931 7.87255445 9.65713252 -2.44010128 2.60303264
-5.79930153]

Sample 8848: [4.50520464 0.32591503 0.06445115 7.87745311 6.65088119
-0.75392011 0.36940938 -0.94107939 6.92714313 -10.6311842
0.73106947 7.84607339 9.72093994 -2.38383296 2.63452629
-5.804551]

Sample 8849: [4.47148033 0.31577017 0.06734543 7.90387035 6.65978405
-0.74101021 0.3349231 -0.9172422 6.96787017 -10.69681177
0.7843286 7.93095183 9.64274099 -2.49062813 2.74895622
-5.91325509]

Sample 8850: [4.60169972 0.3352584 0.07245506 7.83012218 6.71860623
-0.72719475 0.44621386 -0.91599732 6.96117706 -10.65418492
0.7325377 7.96728857 9.64593084 -2.53516157 2.71044137
-5.95345877]

Sample 8851:	[	4.67080168	0.36610452	0.07284223	7.89299488	6.74111458
		-0.66644147	0.41523749	-0.86959745	6.89569227	-10.6325757
		0.75729495	7.89235505	9.62866604	-2.53026804	2.75948618
		-5.90359481]				
Sample 8852:	[	4.59455036	0.44642939	0.05849717	7.87097627	6.78114838
		-0.62220974	0.32155901	-0.73478989	6.92578556	-10.58486583
		0.84935239	7.89290098	9.54682654	-2.47981118	2.79604824
		-5.93418343]				
Sample 8853:	[	4.5513861	0.40599914	0.06354511	7.9724645	6.77861186
		-0.63910154	0.38321882	-0.80328738	6.96130589	-10.63740235
		0.87528829	7.83634016	9.53527179	-2.50695228	2.80134033
		-5.96818278]				
Sample 8854:	[	4.5223613	0.34501431	0.07196141	7.90906136	6.86663061
		-0.66275625	0.35302303	-0.86038787	6.98253573	-10.63908145
		0.85831417	7.86707701	9.60475307	-2.48146029	2.80069941
		-5.89647355]				
Sample 8855:	[	4.4365448	0.40367582	0.06198154	7.89713063	6.83285826
		-0.65154796	0.38382939	-0.79498938	6.99569443	-10.65741787
		0.96963203	7.855515	9.68154374	-2.46913667	2.7946364
		-5.93900257]				
Sample 8856:	[	4.44543998	0.44749229	0.05828943	7.89275002	6.715051
		-0.64948349	0.4043742	-0.76980524	6.96294403	-10.67376302
		1.0509774	7.8696794	9.64169524	-2.39736981	2.78567349
		-5.99603324]				
Sample 8857:	[	4.50631619	0.40020246	0.06310762	7.8510207	6.8027236
		-0.72680574	0.38246605	-0.79161228	7.00401114	-10.58181855
		1.07854346	7.88174847	9.61140214	-2.35056513	2.78657539
		-5.96593189]				
Sample 8858:	[	4.4968805	0.40098118	0.06346526	7.85739178	6.76768969
		-0.68904046	0.40067364	-0.79098538	6.96155638	-10.60786271
		1.11108889	7.82443681	9.63220817	-2.42634918	2.82632311
		-6.04877781]				
Sample 8859:	[	4.49404531	0.36895132	0.07555852	7.93310509	6.68078718
		-0.63686649	0.51259519	-0.84592876	6.96910549	-10.62803734
		1.09091119	7.80552801	9.53232816	-2.47579691	2.77537318
		-6.03765545]				
Sample 8860:	[	4.56256081	0.32960499	0.09059018	7.99907221	6.59824434
		-0.65249234	0.55085325	-0.94628269	6.92515805	-10.64712639
		1.12176883	7.76428408	9.50903836	-2.48257034	2.82773647
		-5.91601246]				
Sample 8861:	[	4.6298363	0.33309311	0.07444212	7.94608433	6.68043091
		-0.69498531	0.4686067	-0.90886185	6.90661227	-10.63845944
		1.01776953	7.74412976	9.59412096	-2.45874846	2.86883423
		-5.93339301]				
Sample 8862:	[	4.68509393	0.31471499	0.07982779	8.01953259	6.71686652
		-0.70456727	0.3980717	-0.9270867	6.92927528	-10.65191478
		1.01511257	7.77371354	9.60720583	-2.45723981	2.85805177
		-5.95273603]				

Sample 8863: [4.7589104 0.3111906 0.07801288 7.97424176 6.69326768
 -0.77541557 0.34910745 -0.93565971 7.00206049 -10.60739858
 1.03728448 7.79110063 9.63503184 -2.49574294 2.88443583
 -5.9210401]
 Sample 8864: [4.79829598 0.31330798 0.06718061 7.95713384 6.74224368
 -0.88935506 0.2813686 -0.89501542 7.02159816 -10.65304335
 1.08857292 7.8631665 9.57662926 -2.54175449 2.83687928
 -5.93413739]
 Sample 8865: [4.76776462 0.32523459 0.07366943 7.93795108 6.76467577
 -0.88888527 0.37317605 -0.9181839 7.081636 -10.55155327
 1.01287967 7.96602724 9.61450168 -2.50071585 2.85447055
 -5.93187565]
 Sample 8866: [4.70620946 0.34237287 0.06442021 7.96618809 6.87798636
 -0.92141741 0.37948957 -0.88631047 7.11049432 -10.4928361
 0.89896296 8.0212359 9.70791991 -2.51285176 2.83097011
 -6.04124199]
 Sample 8867: [4.78849273 0.35315968 0.05675527 7.97685561 6.85936244
 -1.03653905 0.33337709 -0.84094586 7.09481825 -10.42584703
 0.85086442 8.00427041 9.81582982 -2.45779548 2.80106256
 -6.02892121]
 Sample 8868: [4.80143636 0.37076629 0.05586296 7.97416559 6.90097148
 -0.99170698 0.34623237 -0.85726497 7.14102594 -10.33639043
 0.91407376 7.96152784 9.8444639 -2.40190514 2.81827854
 -5.92448244]
 Sample 8869: [4.87287196 0.36248984 0.05695865 7.94802514 6.96341347
 -1.00347918 0.31710841 -0.88181597 7.23868572 -10.40799768
 0.87922923 7.93532134 9.8511403 -2.349087 2.77761107
 -5.87796741]
 Sample 8870: [4.87406863 0.37729988 0.05390284 7.99074907 7.00319563
 -0.96693361 0.33983302 -0.81751973 7.26104582 -10.3532706
 0.87677247 7.82859272 9.83959037 -2.36843534 2.71966625
 -5.91121484]
 Sample 8871: [4.90562108 0.36359072 0.05909587 8.05317722 7.124869
 -0.87570477 0.37446745 -0.87634534 7.23271481 -10.31514973
 0.86914523 7.80764473 9.79624113 -2.32000429 2.8397411
 -5.93239965]
 Sample 8872: [4.8915706 0.31757536 0.0638211 8.05465937 7.04944443
 -0.86065816 0.3188892 -0.88329016 7.27709036 -10.32234898
 0.89206611 7.72898265 9.86199797 -2.29133713 2.86729823
 -6.01558717]
 Sample 8873: [4.83536745 0.30057415 0.06475523 8.02735529 7.04336238
 -0.86976227 0.28057361 -0.91588007 7.25021905 -10.29735134
 0.8765233 7.74133667 9.947684 -2.29075222 2.91872059
 -6.02017403]
 Sample 8874: [4.8599858 0.36505094 0.04751199 7.986197 6.94514529
 -0.87557993 0.21443275 -0.84121546 7.25915894 -10.32038682
 0.86543805 7.76149782 10.01528961 -2.32929983 2.87565684
 -6.00084993]

Sample 8875:	[	4.80159434	0.36645895	0.04901538	7.94567626	6.8970684
		-0.97322995	0.26335629	-0.79833643	7.20240179	-10.20675806
		0.80135226	7.73032592	9.96990037	-2.26064044	2.82952026
	]	-6.0391348				
Sample 8876:	[	4.82203384	0.37900052	0.05071488	7.94980645	6.94322275
		-0.99912083	0.2217372	-0.83296208	7.283962	-10.30374509
		0.83606729	7.76570301	9.92003464	-2.27147433	2.87079349
	]	-6.00077928				
Sample 8877:	[	4.7710089	0.34683449	0.04804621	7.9347853	6.86583578
		-0.98891038	0.25586869	-0.81539209	7.26167076	-10.32322191
		0.84907298	7.72999302	9.88327209	-2.25700484	2.80120426
	]	-6.01965468				
Sample 8878:	[	4.76991649	0.35528848	0.05199854	7.98434026	6.86268269
		-1.0646634	0.35426597	-0.84040715	7.26644729	-10.38207227
		0.9068125	7.75481907	9.84294382	-2.21551261	2.93198553
	]	-6.08394743				
Sample 8879:	[	4.82128173	0.31636163	0.06460001	7.95456536	6.85695906
		-0.98207357	0.39871117	-0.91358935	7.25558421	-10.45949274
		0.88506388	7.70914083	9.9252712	-2.27557967	2.88909013
	]	-6.0617463				
Sample 8880:	[	4.86852128	0.35317703	0.05218009	7.96859186	6.96413841
		-0.96533556	0.3338797	-0.87370382	7.17181319	-10.42981191
		0.84747113	7.70731152	9.98231857	-2.19567556	2.96455156
	]	-6.0719233				
Sample 8881:	[	4.90366689	0.35397648	0.0507549	7.92492838	6.8960589
		-0.9383132	0.32910213	-0.80178593	7.08855651	-10.45653439
		0.85178974	7.63252491	9.98128948	-2.20120859	2.96633728
	]	-6.16677032				
Sample 8882:	[	4.92884589	0.41897797	0.04409911	7.97297773	6.83861346
		-0.9087892	0.33284797	-0.78938082	7.12606499	-10.53331621
		0.80991181	7.69093097	9.97386094	-2.2185829	2.99719303
	]	-6.18329226				
Sample 8883:	[	4.86253389	0.45735607	0.04366955	7.95588071	6.8159287
		-0.97383695	0.38446339	-0.74404922	7.15400244	-10.53211048
		0.73950134	7.66895901	10.00940655	-2.26368626	3.05833582
	]	-6.18187472				
Sample 8884:	[	4.81383402	0.36844364	0.05493223	8.00819318	6.85128025
		-1.06019043	0.43298096	-0.82642382	7.2351072	-10.58328941
		0.73757573	7.65657612	10.01385368	-2.25733022	3.03959576
	]	-6.24159849				
Sample 8885:	[	4.80688708	0.36249129	0.05578638	8.02961782	6.75327165
		-1.13900097	0.4347014	-0.83120143	7.24372471	-10.58122623
		0.66743802	7.62985897	10.05564555	-2.30319987	3.03627919
	]	-6.24458555				
Sample 8886:	[	4.77602861	0.43796702	0.04816149	8.0479838	6.72042474
		-1.15547246	0.46468323	-0.79241294	7.15605785	-10.61091537
		0.62777399	7.73851388	10.04119871	-2.30354169	3.06237271
	]	-6.21171794				

Sample 8887: [4.72207504 0.38125302 0.05312781 8.0073513 6.70035092
-1.19423776 0.4444503 -0.81162018 7.19056327 -10.59258895
0.61153229 7.69505481 10.05565545 -2.31725491 3.08333237
-6.13056239]

Sample 8888: [4.63917941 0.39391784 0.05420955 7.98434522 6.7268298
-1.10703199 0.43860279 -0.82751605 7.1640654 -10.57678097
0.58221677 7.72721038 10.00355224 -2.37167872 3.09485991
-6.18583779]

Sample 8889: [4.7267574 0.36992363 0.05930958 8.00280743 6.66672753
-1.14737922 0.42437033 -0.8356713 7.0672624 -10.54464317
0.49311282 7.73520408 9.95986749 -2.40942733 3.04419315
-6.13390575]

Sample 8890: [4.73346775 0.3581369 0.05844117 8.09979404 6.58233608
-1.24599315 0.37710579 -0.85013302 7.07877667 -10.50328556
0.44764998 7.78177524 10.00357118 -2.47446151 3.03772692
-6.18095499]

Sample 8891: [4.76214705 0.33454546 0.05849892 8.09843329 6.62714602
-1.23711822 0.28147314 -0.854694 7.02972104 -10.4446124
0.38512563 7.84731785 9.94691734 -2.50426616 3.07201087
-6.07747959]

Sample 8892: [4.7477678 0.3517992 0.05361414 8.12209179 6.61882496
-1.23404331 0.21463946 -0.83175093 7.06016692 -10.45526391
0.31329663 7.82233269 9.91320331 -2.55849868 3.11055306
-6.1262054]

Sample 8893: [4.77260062 0.32554814 0.05447307 8.21316185 6.56152669
-1.2829001 0.19512119 -0.87393749 7.13550691 -10.51612396
0.33610572 7.89975139 9.9368659 -2.5292885 3.17141784
-6.07464488]

Sample 8894: [4.83268245 0.35822531 0.04910051 8.20649352 6.58543966
-1.3290563 0.18204887 -0.78787665 7.08970216 -10.60623759
0.38533774 7.89956193 9.9251832 -2.58830858 3.19574549
-6.03341942]

Sample 8895: [4.79781037 0.3293078 0.05561022 8.15610907 6.58407655
-1.38666541 0.13247474 -0.86358751 7.19576609 -10.64053019
0.44813158 7.87196056 9.89917452 -2.59534286 3.19422374
-6.10630936]

Sample 8896: [4.77696195 0.33469287 0.05795685 8.24279805 6.5382284
-1.46855668 0.20559194 -0.84119152 7.17195932 -10.65700764
0.39874999 7.88688853 9.87737286 -2.61709132 3.09841048
-6.13922141]

Sample 8897: [4.81240018 0.34102651 0.05113508 8.28354957 6.52992001
-1.52841471 0.15584978 -0.81474853 7.11156665 -10.64531716
0.41624761 7.95892415 9.81922537 -2.64115099 3.00678363
-6.16779494]

Sample 8898: [4.76775042 0.33204112 0.05162705 8.30585612 6.53122659
-1.49302786 0.13260773 -0.82294454 7.08397077 -10.6220062
0.44778501 7.90356648 9.7583643 -2.58613058 2.98555266
-6.15326508]

Sample 8899: [4.78557059 0.30509304 0.05027545 8.32966461 6.49889069
-1.50578614 0.10714165 -0.84824707 7.00408042 -10.65192624
0.51689458 7.86028439 9.68994238 -2.50202229 2.99647469
-6.2203574]

Sample 8900: [4.78766107 0.29230505 0.04983663 8.33170955 6.46973686
-1.50091456 0.05358333 -0.89178897 6.95169844 -10.58860801
0.5004251 7.77635225 9.67951451 -2.4311043 3.03045858
-6.20563235]

Sample 8901: [4.80878241 0.28283222 0.05466897 8.26874882 6.47112185
-1.47881675 0.08688373 -0.92617994 6.9294694 -10.61501533
0.52792493 7.79288457 9.72185938 -2.44724358 3.01738751
-6.18763841]

Sample 8902: [4.7751477 0.279194 0.05667682 8.38258172 6.46052836
-1.48333538 0.09364192 -0.93377273 7.01252435 -10.58147211
0.49601497 7.7579037 9.65071701 -2.54905869 2.96887166
-6.16357633]

Sample 8903: [4.7526626 0.28197042 0.05898433 8.3172809 6.39023633
-1.49018084 0.10045708 -0.93002014 7.02468049 -10.59196149
0.44757242 7.69971903 9.65156728 -2.47401192 2.99723321
-6.13699463]

Sample 8904: [4.70460267 0.26062607 0.06323213 8.22687653 6.36825014
-1.53914577 0.07595864 -0.9915587 6.98908617 -10.52454119
0.56740573 7.69246183 9.65609078 -2.59970653 2.9596339
-6.08868665]

Sample 8905: [4.71725684 0.24940639 0.07034573 8.21360079 6.3693181
-1.50202557 0.10331869 -1.0404912 6.97010428 -10.40193187
0.56830067 7.68851871 9.65776009 -2.64051967 2.89227818
-6.00733621]

Sample 8906: [4.70255382 0.26444869 0.06869069 8.21167123 6.38961604
-1.48411885 0.14721825 -1.00533197 6.94661495 -10.51925854
0.42607776 7.64311281 9.68380811 -2.62362935 2.91942568
-5.99646388]

Sample 8907: [4.79359169 0.2350083 0.07374094 8.22063039 6.4537689
-1.41569892 0.10492285 -1.09083223 6.9533728 -10.47389119
0.41005379 7.6528644 9.56797685 -2.47892504 2.91559661
-6.01613051]

Sample 8908: [4.8420261 0.22179714 0.07380255 8.22010052 6.46007631
-1.32125161 0.0994616 -1.10925575 6.99216764 -10.46394831
0.36737222 7.57650625 9.60816739 -2.5075927 2.89542361
-6.09244811]

Sample 8909: [4.93125258 0.207521 0.09665045 8.25651832 6.34329434
-1.27567269 0.13593062 -1.23581965 7.04936157 -10.38053585
0.31066889 7.55781171 9.61938126 -2.50810701 2.83020496
-6.11716443]

Sample 8910: [5.03376313 0.20164379 0.09422461 8.29656506 6.30677923
-1.31111711 0.13093553 -1.22859895 6.97643371 -10.33555041
0.35129943 7.53479925 9.55607596 -2.49408343 2.89708393
-6.13484328]

Sample 8911: [4.95952297 0.20027339 0.10602126 8.27161943 6.3120782
-1.23576143 0.15907392 -1.26626741 6.99248144 -10.27784297
0.35741564 7.50940345 9.58155396 -2.43357909 2.86569606
-6.20003646]

Sample 8912: [4.91486041 0.22048857 0.14996159 8.24474137 6.29630097
-1.35092783 0.27551498 -1.37627174 7.02326489 -10.27781212
0.39318734 7.50561838 9.52298622 -2.38447547 2.86844095
-6.11102646]

Sample 8913: [4.87908061 0.21960023 0.13293736 8.195248 6.26921685
-1.31989299 0.27294361 -1.35511334 7.03069717 -10.33920447
0.4482333 7.51507081 9.57538643 -2.39292825 2.83535767
-6.11062181]

Sample 8914: [4.89144842 0.21478563 0.12308053 8.25639812 6.31837797
-1.41316168 0.24659227 -1.3199268 7.02707837 -10.36671838
0.43308957 7.55894074 9.53781285 -2.38835765 2.88354009
-6.13623407]

Sample 8915: [4.8644854 0.20761165 0.12526282 8.2162801 6.29484975
-1.4165822 0.2612648 -1.33975808 6.98702061 -10.34761915
0.48161953 7.51515269 9.57928586 -2.43112472 2.82498449
-6.10528271]

Sample 8916: [4.80573738 0.19783252 0.1061378 8.16065432 6.26735805
-1.3823866 0.17302854 -1.30246268 7.01715085 -10.28102088
0.44251882 7.45820907 9.61148069 -2.48355357 2.83621275
-6.05879509]

Sample 8917: [4.74049244 0.19609319 0.13538164 8.18834534 6.23701006
-1.45702006 0.22048645 -1.41364975 6.96189877 -10.21337786
0.40146195 7.48987618 9.61860635 -2.44921041 2.81206577
-6.09495524]

Sample 8918: [4.72510368 0.19974564 0.13761642 8.18561398 6.30661331
-1.53100764 0.23773901 -1.40200249 6.95486324 -10.2894542
0.4922711 7.51752988 9.70268366 -2.53758683 2.81854307
-6.15699115]

Sample 8919: [4.75571546 0.21504419 0.14375871 8.12541675 6.31068043
-1.48558771 0.26399867 -1.41810392 6.80804449 -10.31394947
0.4831346 7.50060524 9.77616644 -2.60614799 2.88178122
-6.11678409]

Sample 8920: [4.74185485 0.20538779 0.12681179 8.2144937 6.25895696
-1.46304837 0.23863274 -1.35222535 6.91251882 -10.30959901
0.50465784 7.41062503 9.74671588 -2.59808767 2.85510388
-6.09628258]

Sample 8921: [4.75682228 0.18791604 0.10571781 8.23488464 6.2689239
-1.41877763 0.1399799 -1.31911452 6.88675867 -10.40924912
0.50326981 7.37153106 9.76491357 -2.61794265 2.83895264
-6.19247768]

Sample 8922: [4.69253516 0.18966899 0.13724672 8.25041382 6.26523449
-1.45566722 0.17970818 -1.43406381 6.88815087 -10.41872288
0.52144642 7.43383828 9.67804156 -2.64856424 2.85387885
-6.26960176]

Sample 8923: [4.65884894 0.17556013 0.12415715 8.20748822 6.27514403
-1.4358589 0.09497595 -1.46702252 6.94384596 -10.42303912
0.49520433 7.48013252 9.68257514 -2.62747258 2.87582441
-6.27596282]

Sample 8924: [4.73502175 0.17877378 0.14171963 8.19124029 6.26143723
-1.50582784 0.14191878 -1.51871424 6.92631495 -10.40586959
0.51134425 7.42438181 9.60696519 -2.70498678 2.84230495
-6.34368642]

Sample 8925: [4.72781199 0.20001612 0.18035269 8.25567186 6.30798349
-1.49870773 0.27465377 -1.58204648 6.92041509 -10.44783665
0.48130826 7.45520764 9.52383194 -2.68219848 2.8200317
-6.34611116]

Sample 8926: [4.81092961 0.19884694 0.17250741 8.26449222 6.26796602
-1.51652178 0.27085857 -1.55478796 6.83849762 -10.52623976
0.40416355 7.56036182 9.64833283 -2.83118412 2.79663201
-6.41947758]

Sample 8927: [4.8223802 0.20118912 0.17718938 8.24277366 6.26793886
-1.45158384 0.26293674 -1.57666389 6.85465924 -10.50826151
0.36509706 7.58218891 9.62196841 -2.84755336 2.81790372
-6.40571745]

Sample 8928: [4.91908471 0.19475277 0.19294057 8.16698893 6.31997849
-1.47758511 0.24750019 -1.66497417 6.90951621 -10.52254322
0.25593376 7.64868222 9.61337147 -2.81481607 2.85097288
-6.52040192]

Sample 8929: [4.91834596 0.1887384 0.18929299 8.19718818 6.30923272
-1.46430086 0.2347282 -1.6608815 7.03077948 -10.52421953
0.35449955 7.53716093 9.57206168 -2.830647 2.87286709
-6.48859742]

Sample 8930: [4.91620936 0.18161233 0.1843495 8.20511666 6.28087638
-1.39241057 0.21315004 -1.67042485 7.02075626 -10.52638812
0.25086856 7.61536236 9.60412228 -2.92713056 2.87272355
-6.55117616]

Sample 8931: [4.93471728 0.18353087 0.17219744 8.13725327 6.26352873
-1.38053394 0.23174181 -1.59415984 7.14221397 -10.54836511
0.3204742 7.62183016 9.60591281 -2.92682577 2.89878104
-6.57256134]

Sample 8932: [4.96916036 0.17401693 0.16733083 8.10539984 6.3773559
-1.36164851 0.18523926 -1.61766787 7.19798308 -10.49683428
0.2349086 7.67012882 9.54639647 -2.9728124 2.95738766
-6.62006787]

Sample 8933: [4.95637402 0.15792233 0.15023946 8.15632356 6.32454952
-1.27399005 0.10807582 -1.6382496 7.20307816 -10.4715685
0.29496326 7.60858087 9.57581567 -2.99042272 2.90574892
-6.5182559]

Sample 8934: [5.02423064 0.17090182 0.17109775 8.20749758 6.33462594
-1.27626489 0.15521696 -1.68849115 7.26195622 -10.42824617
0.24796083 7.59314321 9.73140293 -2.95155254 2.93774549
-6.53272327]

Sample 8935: [5.0683849 0.15820408 0.15365047 8.34179272 6.38097665
-1.25540913 0.09481969 -1.66459241 7.20814442 -10.42745832
0.21212054 7.59292725 9.69667502 -2.90227842 3.01504419
-6.57358346]

Sample 8936: [5.09714206 0.17404587 0.14020619 8.34132381 6.33088989
-1.22514159 0.11708382 -1.59154351 7.15401984 -10.38911143
0.20498416 7.64266633 9.79204739 -2.85170979 3.0734657
-6.49290532]

Sample 8937: [5.07806906 0.16039755 0.13486742 8.31938268 6.30363532
-1.16570869 0.07019127 -1.6317049 7.12422634 -10.4323403
0.27654159 7.64620685 9.86574536 -2.8965531 3.08247343
-6.58692853]

Sample 8938: [5.14435258 0.14970517 0.13860352 8.27877069 6.3088976
-1.12405784 0.03385258 -1.69088047 7.05508366 -10.43521964
0.26562931 7.76395075 9.79453308 -2.91449829 3.04094394
-6.62479234]

Sample 8939: [5.10266889 0.14672831 0.13837987 8.26365947 6.36157373
-1.17569494 0.01541234 -1.73511108 6.93797037 -10.4533757
0.22989317 7.67403954 9.90525212 -2.92976005 2.93710903
-6.59738706]

Sample 8940: [5.11143285 0.14722827 0.14109923 8.23088376 6.25133397
-1.20184295 0.02588125 -1.73761537 6.95446158 -10.47220118
0.22455556 7.62373068 9.86316291 -2.87102287 3.0160398
-6.62356736]

Sample 8941: [5.08799405e+00 1.43110233e-01 1.21383359e-01 8.22575123e+00
6.22308158e+00 -1.13597475e+00 9.27428860e-04 -1.67534432e+00
6.91081716e+00 -1.05446334e+01 2.18643438e-01 7.59866866e+00
9.91767669e+00 -2.86636482e+00 2.93199627e+00 -6.58517074e+00]

Sample 8942: [5.11074442 0.14904231 0.13158076 8.15500471 6.20423957
-1.12817951 0.05131773 -1.63038668 6.86526138 -10.51368204
0.22581335 7.57394185 9.93483235 -2.94611381 2.9353525
-6.55212711]

Sample 8943: [5.08984523 0.15666613 0.14133901 8.16052306 6.09919886
-1.10430756 0.08910211 -1.61742602 6.91749541 -10.47959892
0.20761373 7.59763424 9.95619095 -2.98660477 2.99653701
-6.5622958]

Sample 8944: [5.11683235 0.15338692 0.13465539 8.15470544 6.07414262
-1.22191344 0.06067593 -1.63967349 6.85518719 -10.43632669
0.17222441 7.57365968 9.98882698 -3.02361759 3.05450824
-6.52891357]

Sample 8945: [5.06984304 0.15434623 0.13275193 8.0830284 6.13892377
-1.21576647 0.04176769 -1.68018627 6.91537761 -10.51710346
0.1770051 7.55042005 10.03333565 -3.04353441 3.02388984
-6.49712432]

Sample 8946: [5.03445065 0.16727191 0.1566493 8.03645228 6.13915163
-1.20888574 0.07434782 -1.76475233 6.91357699 -10.54562736
0.21407041 7.53848886 9.96571645 -3.01546582 3.03880758
-6.36487224]

Sample 8947: [4.95966701e+00 1.50954438e-01 1.42401700e-01 8.02480448e+00
 6.08790350e+00 -1.24968065e+00 -3.30698404e-03 -1.80448833e+00
 6.85890517e+00 -1.05662110e+01 2.18480763e-01 7.57794210e+00
 1.00121110e+01 -3.05035176e+00 3.02352098e+00 -6.27152860e+00]
 Sample 8948: [5.02884797e+00 1.51796417e-01 1.56149827e-01 8.03797567e+00
 6.09633191e+00 -1.13287890e+00 -1.18127291e-03 -1.85226109e+00
 6.88731896e+00 -1.05940508e+01 2.91739759e-01 7.60951768e+00
 1.00315803e+01 -3.16428539e+00 3.05994220e+00 -6.26225025e+00]
 Sample 8949: [5.11149668e+00 1.59241392e-01 1.68259851e-01 7.98186874e+00
 6.11283205e+00 -1.11940179e+00 -6.38881894e-04 -1.89955578e+00
 6.80848848e+00 -1.04589422e+01 3.90136789e-01 7.70432455e+00
 1.00441201e+01 -3.09771747e+00 3.06318884e+00 -6.23834301e+00]
 Sample 8950: [5.11516886 0.14588216 0.17204231 7.97843768 6.20682763
 -1.18758352 -0.01838162 -1.92571842 6.76783131 -10.46580626
 0.33135808 7.68648994 10.04301536 -3.03398109 3.07791372
 -6.28866628]
 Sample 8951: [5.12756605 0.12146465 0.11895116 7.91920517 6.14299851
 -1.22270985 -0.13235693 -1.92588132 6.77038369 -10.49677555
 0.35800595 7.70160568 10.13739934 -3.07031535 3.0795056
 -6.3255987]
 Sample 8952: [5.16358787 0.12543215 0.14191541 7.78752441 6.17894208
 -1.2598405 -0.18812645 -2.04935103 6.84412946 -10.43587427
 0.32787036 7.71543616 10.1032585 -3.0191005 3.03098494
 -6.29757147]
 Sample 8953: [5.09796329 0.12656806 0.15012485 7.82126823 6.13845984
 -1.30773733 -0.14910401 -2.08641073 6.85334394 -10.42949547
 0.28735103 7.72051448 10.16204755 -3.02717502 2.96461021
 -6.32501161]
 Sample 8954: [5.03297279 0.12351283 0.13302495 7.91270675 6.10984507
 -1.29596386 -0.1678524 -2.02544764 6.83485906 -10.37607867
 0.38236814 7.75463917 10.14589325 -3.04891581 2.90880542
 -6.28504246]
 Sample 8955: [5.0787936 0.13675117 0.17091402 7.89397301 6.13045839
 -1.2281127 -0.14916682 -2.13473711 6.81577953 -10.39264758
 0.41251198 7.78111937 10.09632735 -3.08324082 2.92521379
 -6.22391911]
 Sample 8956: [5.06480434 0.13068937 0.15128559 7.83272783 6.11451302
 -1.20244147 -0.12098369 -2.08573485 6.77134816 -10.34734982
 0.49119919 7.66367439 10.0996459 -3.10356173 2.84626034
 -6.14285446]
 Sample 8957: [5.01030557 0.13517011 0.15991089 7.87261256 6.04171211
 -1.16871674 -0.10788144 -2.07970292 6.72929405 -10.42123736
 0.45360987 7.62468001 10.13128464 -3.1196033 2.89722986
 -6.1182271]
 Sample 8958: [5.05392883 0.14584444 0.19011494 7.80672177 6.07445605
 -1.21622961 -0.04986723 -2.09329813 6.73450901 -10.40314624
 0.4226672 7.55678379 10.18288474 -3.18330749 2.932577
 -6.11785199]

Sample 8959: [5.04705226 0.13860291 0.19388743 7.75646598 6.11519642
-1.16183381 -0.09140053 -2.21323752 6.79163814 -10.29873477
0.39642222 7.52015231 10.19530726 -3.20901298 2.83012734
-6.06654449]

Sample 8960: [5.01441153 0.15254506 0.20559686 7.78220599 6.02402691
-1.17449243 -0.06472996 -2.13983477 6.78555732 -10.3289479
0.39702892 7.4815498 10.21984971 -3.27331515 2.86029772
-6.10784009]

Sample 8961: [4.92089502 0.15102003 0.19910786 7.73580208 6.0164483
-1.06665585 -0.07885193 -2.11320431 6.79127559 -10.37849145
0.35768935 7.41747982 10.28354998 -3.2435886 2.78604364
-6.11766667]

Sample 8962: [4.85727727 0.15415944 0.18940488 7.67551275 6.00078063
-0.97469678 -0.08228913 -2.05546143 6.79882669 -10.4346452
0.35613971 7.4144186 10.33234217 -3.1911965 2.844809
-6.11096671]

Sample 8963: [4.89238052 0.160352 0.20346985 7.68911087 6.02075645
-0.96225485 -0.04665486 -2.07900161 6.7970345 -10.45309985
0.31732299 7.31505465 10.30634965 -3.18368449 2.8530279
-6.07771665]

Sample 8964: [4.79825905 0.13465513 0.1585315 7.71806525 6.07185379
-0.99929689 -0.13180986 -2.09002343 6.83339502 -10.38746782
0.2994559 7.3736172 10.34031201 -3.19274947 2.83725304
-6.04474616]

Sample 8965: [4.85551046 0.12467588 0.13903414 7.71996102 6.06542122
-0.93473033 -0.13585522 -2.05216706 6.83625823 -10.43574967
0.28384199 7.37867107 10.33573588 -3.12802363 2.7676707
-6.06353462]

Sample 8966: [4.83913157 0.14011045 0.16338962 7.67043062 6.14402961
-0.98401506 -0.14415666 -2.08304536 6.7831772 -10.44375768
0.26875138 7.36231282 10.39723475 -3.17201677 2.76837126
-5.90975643]

Sample 8967: [4.93641825 0.12178621 0.1080325 7.68130717 6.10324092
-1.04936462 -0.16510111 -2.13791578 6.79245095 -10.38789193
0.24504414 7.38264738 10.35888522 -3.11319693 2.83165054
-5.81662868]

Sample 8968: [4.90278725 0.14753765 0.16652254 7.63277676 6.14478967
-1.0069256 -0.1300049 -2.06971429 6.83584366 -10.40434227
0.3015563 7.42029252 10.37001634 -3.12346079 2.81828302
-5.74539257]

Sample 8969: [4.89185767 0.13562779 0.11078046 7.65877875 6.12790336
-0.96402157 -0.21150311 -1.97761497 6.8685484 -10.42961721
0.36812635 7.42637277 10.39979263 -3.07630757 2.83662051
-5.64691942]

Sample 8970: [4.87502688 0.16499776 0.17375755 7.74009192 6.09051174
-0.92408365 -0.0795068 -2.01771985 6.96044801 -10.4437758
0.37041654 7.43108696 10.39296398 -3.04734374 2.84949469
-5.51520518]

Sample 8971: [4.85719493 0.18543676 0.20110265 7.7473083 6.03069778
-0.89053579 0.0156749 -2.01269744 6.95029004 -10.37494703
0.32926151 7.48399845 10.42210796 -2.96252388 2.80042609
-5.509241]

Sample 8972: [4.89659113 0.17492243 0.19460534 7.68545977 5.92708133
-0.87184114 -0.03723905 -2.04382686 6.93073182 -10.34660154
0.38537295 7.459779 10.41163012 -2.96390665 2.80446821
-5.54988547]

Sample 8973: [4.91346244e+00 1.78466957e-01 2.01333372e-01 7.66199021e+00
5.87483794e+00 -8.74827611e-01 -6.12456926e-03 -2.03870770e+00
6.87226711e+00 -1.02900775e+01 4.38452710e-01 7.52266548e+00
1.04544604e+01 -2.97760096e+00 2.80104666e+00 -5.60501517e+00]

Sample 8974: [4.87149909 0.19371154 0.21422542 7.65451546 5.78634872
-0.76726847 0.07712708 -1.98176071 6.79523063 -10.26183417
0.38543737 7.48617287 10.43392028 -2.98685652 2.79254011
-5.56852986]

Sample 8975: [4.95656589 0.20422411 0.24015727 7.65168747 5.8357827
-0.73530582 0.12493429 -2.06287733 6.78844353 -10.31120904
0.41014726 7.55715641 10.46670675 -3.02581462 2.73328483
-5.53852896]

Sample 8976: [4.88353684 0.204515 0.26074062 7.61227757 5.77234199
-0.77734866 0.13478769 -2.14341459 6.75774282 -10.33359163
0.34015126 7.54151764 10.39211111 -3.03890108 2.70340241
-5.61788402]

Sample 8977: [4.84164026 0.19823628 0.25131651 7.56296539 5.72004792
-0.80448598 0.08263439 -2.15267791 6.85801356 -10.47469224
0.37881753 7.58913465 10.36894733 -2.98257344 2.80810421
-5.52084678]

Sample 8978: [4.78243374e+00 1.77805071e-01 2.32179785e-01 7.46620389e+00
5.83756321e+00 -7.68887443e-01 -5.14767945e-03 -2.16236534e+00
6.92944639e+00 -1.05417536e+01 2.93066136e-01 7.57396405e+00
1.03788754e+01 -3.07794098e+00 2.76866083e+00 -5.60106922e+00]

Sample 8979: [4.69409217e+00 1.85242303e-01 2.55698476e-01 7.53200198e+00
5.77015079e+00 -7.66796906e-01 7.15825147e-03 -2.23358924e+00
6.96470151e+00 -1.05466393e+01 3.42677897e-01 7.54006297e+00
1.04244844e+01 -3.12294204e+00 2.69309833e+00 -5.61926889e+00]

Sample 8980: [4.81319397e+00 1.90067796e-01 2.62538039e-01 7.45641805e+00
5.82281059e+00 -6.87715603e-01 6.25592831e-03 -2.27449422e+00
6.91061939e+00 -1.04824484e+01 3.71204920e-01 7.63424634e+00
1.04162297e+01 -3.09939640e+00 2.71247849e+00 -5.59022370e+00]

Sample 8981: [4.72472706e+00 1.85346976e-01 2.54849780e-01 7.38761754e+00
5.74394728e+00 -7.10863685e-01 -5.99086730e-03 -2.30763825e+00
6.87828086e+00 -1.04533827e+01 3.46691504e-01 7.68919015e+00
1.04268918e+01 -3.06560878e+00 2.64395896e+00 -5.66408194e+00]

Sample 8982: [4.78675913 0.17075065 0.23682103 7.45111883 5.73766605
-0.75023242 -0.04376986 -2.28461407 6.84984267 -10.41680788
0.39923701 7.6951384 10.49839483 -3.11590227 2.5936985
-5.73517117]

Sample 8983: [4.82347631 0.15009827 0.19458917 7.50969517 5.62894041
-0.805766 -0.11029293 -2.22646767 6.8479199 -10.40768008
0.44301205 7.70808686 10.50617407 -3.05606833 2.57310765
-5.76451511]

Sample 8984: [4.93975065 0.13809235 0.16942862 7.56569918 5.63024181
-0.72792235 -0.10551977 -2.16616956 6.80682165 -10.39660361
0.39676676 7.62593055 10.50158927 -3.07934239 2.62591158
-5.89226648]

Sample 8985: [5.00063138 0.15545598 0.20387829 7.560859 5.64783824
-0.78660627 -0.07878935 -2.21091549 6.84519474 -10.39102207
0.37738174 7.62259212 10.58436189 -3.10203238 2.59656345
-5.76444974]

Sample 8986: [4.94339709 0.15605337 0.2056499 7.57953923 5.67711842
-0.83533591 -0.06756059 -2.22232576 6.86675711 -10.38639368
0.40287399 7.69680889 10.58481491 -3.04525823 2.57702223
-5.80588045]

Sample 8987: [4.92158985 0.16201531 0.21691255 7.67251855 5.69823966
-0.80398644 -0.05787603 -2.19470204 6.86010297 -10.37788408
0.41106752 7.60886869 10.60621721 -3.01767541 2.64482594
-5.82405695]

Sample 8988: [4.98833338 0.16564156 0.20507658 7.66729974 5.62282195
-0.7426832 -0.01422218 -2.11181218 6.94392411 -10.39810103
0.46349608 7.60125635 10.56367036 -2.98874795 2.79250882
-5.88027667]

Sample 8989: [5.03177717 0.16747416 0.20636337 7.73048056 5.52130011
-0.7596557 -0.02428063 -2.0878917 6.97781515 -10.41347757
0.38254173 7.57071212 10.48449735 -2.98836059 2.72591497
-5.83410233]

Sample 8990: [4.97338228 0.15115771 0.17659548 7.82446312 5.47689318
-0.69989891 -0.07296564 -2.07592256 6.97247268 -10.40882628
0.3839321 7.59170227 10.44277404 -2.97624526 2.65468405
-5.83607278]

Sample 8991: [4.90000098e+00 1.62021815e-01 1.88871911e-01 7.78732889e+00
5.52951047e+00 -7.13069222e-01 2.42693608e-04 -1.99925349e+00
6.97908883e+00 -1.03200243e+01 4.75669670e-01 7.54886883e+00
1.03716548e+01 -2.96140777e+00 2.66963896e+00 -5.80443859e+00]

Sample 8992: [4.94553559 0.15803737 0.16195479 7.75588226 5.50244697
-0.66620312 -0.03957577 -1.95322681 6.95220041 -10.3171918
0.49152633 7.6107635 10.41920563 -2.96217815 2.72905862
-5.81841349]

Sample 8993: [4.94283611 0.15255519 0.17182073 7.73813046 5.48574916
-0.79101455 -0.01535206 -2.00663907 6.96893095 -10.29412062
0.57867663 7.51136765 10.35839118 -2.93208055 2.73078322
-5.89741312]

Sample 8994: [4.86651662 0.14939884 0.15547056 7.65736139 5.40318355
-0.79440029 -0.07287234 -1.97861694 7.04090554 -10.29596301
0.58097912 7.49504913 10.39986972 -3.01355112 2.73202765
-5.8418749]

Sample 8995: [4.80462964 0.13821333 0.15019423 7.6557923 5.40392961
-0.73513251 -0.09845915 -2.06168704 7.05779363 -10.25688831
0.59299024 7.4017889 10.42731176 -3.10450978 2.7450099
-5.84388988]

Sample 8996: [4.80868688 0.14901986 0.16748323 7.72868495 5.35640324
-0.77474117 -0.09352837 -2.03982835 7.11071302 -10.18317991
0.59598154 7.29189329 10.50696435 -3.11162094 2.8127826
-5.80225858]

Sample 8997: [4.74362716 0.14904409 0.16231182 7.76821196 5.33099257
-0.77470356 -0.10170907 -2.02391991 7.19145395 -10.12640565
0.69401486 7.28373729 10.58129706 -3.07943442 2.76268425
-5.76174664]

Sample 8998: [4.77618717 0.17354107 0.18212881 7.85884849 5.35071521
-0.75964429 0.02373954 -1.92762196 7.11220588 -10.07732515
0.67694916 7.27493401 10.48681824 -3.14284661 2.73773132
-5.74989773]

Sample 8999: [4.83101218 0.16503698 0.16372896 7.89397029 5.27023135
-0.67705381 -0.02484614 -1.90863961 7.10713134 -10.08375002
0.66052385 7.26367617 10.47098735 -3.10653983 2.77020917
-5.72793106]

Sample 9000: [4.83615421e+00 1.65528681e-01 1.63966901e-01 7.80634516e+00
5.19135157e+00 -6.44129030e-01 -4.44708552e-03 -1.88660855e+00
7.11968838e+00 -1.00886381e+01 6.56562198e-01 7.23838402e+00
1.04386326e+01 -3.16686616e+00 2.78004328e+00 -5.77724103e+00]

Sample 9001: [4.80373575 0.17872223 0.16366581 7.816077 5.18083501
-0.70231469 0.04283203 -1.82042327 7.03225148 -10.18246437
0.60771437 7.22522698 10.45966088 -3.11312213 2.80344096
-5.72859235]

Sample 9002: [4.77775171 0.18029655 0.15219057 7.84355265 5.21287247
-0.68938591 0.056115 -1.74268898 6.98564052 -10.17041249
0.56081337 7.17385349 10.42177532 -3.10640029 2.87452639
-5.76354811]

Sample 9003: [4.84739807 0.18446112 0.15207464 7.79959156 5.21903491
-0.65989842 0.05366374 -1.75156073 6.95688175 -10.18485145
0.54224886 7.22402816 10.32810498 -3.08789309 2.8889123
-5.7294317]

Sample 9004: [4.90027863 0.19209426 0.14736116 7.77942444 5.22567303
-0.67821317 0.08632825 -1.68283673 7.01569939 -10.14553092
0.48181699 7.27369046 10.32842267 -3.08942265 2.9238893
-5.73057855]

Sample 9005: [4.86901789 0.20488696 0.14689484 7.76443148 5.33036057
-0.73387742 0.15000238 -1.60811909 7.02924823 -10.10513568
0.56660061 7.3254038 10.23953267 -3.10111867 2.95753654
-5.68559318]

Sample 9006: [4.84888664 0.20471278 0.14866694 7.76011197 5.36096968
-0.79462825 0.15773263 -1.61685514 7.0635468 -10.09864084
0.52828838 7.32717107 10.29688327 -3.18173167 3.01740427
-5.69658643]

Sample 9007: [4.90076246 0.19248862 0.13924944 7.88002639 5.34923814
-0.86793678 0.09183159 -1.64500318 7.08432989 -10.01979326
0.54554102 7.38449663 10.27936446 -3.22202525 2.9217109
-5.71722747]

Sample 9008: [4.90426215 0.21017282 0.14195194 7.97278897 5.36289521
-0.91475225
0.21206617 -1.54094314 7.05328703 -9.95972434 0.46987855 7.30199646
10.23700105 -3.26449593 2.97411687 -5.74793198]

Sample 9009: [4.94886476 0.21427353 0.15809395 7.98519032 5.3912136
-0.83491984
0.25279063 -1.6087929 7.05065447 -9.88037 0.51466832 7.28281998
10.22429808 -3.22775946 2.91986923 -5.72986056]

Sample 9010: [5.00629368 0.22699091 0.15787027 8.0274045 5.37158021
-0.75441903
0.28891767 -1.54072083 7.12556795 -9.88832371 0.55069274 7.3081441
10.2630873 -3.19771359 2.97813203 -5.71383504]

Sample 9011: [5.05201094 0.21880996 0.15483896 7.95187329 5.36671842
-0.73212048
0.22067148 -1.54880478 7.08001001 -9.95360378 0.59963882 7.29663623
10.30553373 -3.30195596 2.99594904 -5.66068191]

Sample 9012: [5.12634883 0.22596677 0.1462867 7.90034874 5.31571054
-0.65699542
0.23098336 -1.49980178 7.09942688 -9.92583645 0.64092506 7.30400512
10.3112696 -3.33379403 3.04667991 -5.65790068]

Sample 9013: [5.10968555 0.22064155 0.15411752 7.9190111 5.27836815
-0.6464227
0.22857497 -1.55790617 7.07290016 -9.92293694 0.6678085 7.36590052
10.31747141 -3.38268348 3.05705168 -5.6340048]

Sample 9014: [5.13105346 0.2389065 0.17777815 7.86856974 5.24098324
-0.68503906
0.30686169 -1.61055774 6.96533596 -9.83510764 0.64198836 7.31270762
10.35892857 -3.43185262 3.02762342 -5.58614674]

Sample 9015: [5.19956463 0.23676946 0.1762363 7.76745877 5.24058024
-0.63994516
0.32182117 -1.6016384 6.95731008 -9.86547201 0.60450183 7.3349102
10.38629041 -3.4273105 3.02798454 -5.54251488]

Sample 9016: [5.16434527 0.24450058 0.19530911 7.83073923 5.15734556
-0.68218426
0.35041946 -1.66151362 6.95867806 -9.81482695 0.58063139 7.40093768
10.31605963 -3.41262141 2.98962598 -5.56836103]

Sample 9017: [5.12427627 0.23859658 0.17147066 7.77503412 5.18692177
-0.69666371
0.32243526 -1.59139089 6.95379084 -9.67950987 0.53646244 7.39618412
10.37463864 -3.36490585 2.9290513 -5.59010901]

Sample 9018: [5.06003194 0.23316595 0.16819287 7.7498036 5.15228032
-0.71416106
0.27255002 -1.57739483 6.98764266 -9.68005982 0.52886634 7.55588843
10.32130833 -3.33424616 2.9404616 -5.70195728]

Sample 9019: [5.03783872 0.23531753 0.15441041 7.75930385 5.16562084
 -0.77242736
 0.26486071 -1.54409851 6.89236049 -9.70698898 0.54407185 7.63284445
 10.26204582 -3.36000724 2.94687211 -5.66102009]
 Sample 9020: [5.04442966 0.25403193 0.16091723 7.75620632 5.12825168
 -0.80940312
 0.2850546 -1.52257425 6.89552858 -9.69663943 0.4564346 7.66988515
 10.27884178 -3.39458913 2.99473938 -5.5984877]
 Sample 9021: [5.06373898 0.2490698 0.1601125 7.76635061 5.04687537
 -0.81342833
 0.3034392 -1.48521105 6.82788463 -9.69182809 0.50990014 7.58914612
 10.34750539 -3.46791381 3.01222012 -5.65548706]
 Sample 9022: [5.05050841 0.2372303 0.15063669 7.78371377 5.05570369
 -0.81228926
 0.27074679 -1.46933758 6.79594629 -9.68133698 0.49407107 7.61809717
 10.39598519 -3.48228579 3.09785375 -5.58905539]
 Sample 9023: [4.94669923 0.23150031 0.11822058 7.80190689 5.12373002
 -0.82269437
 0.21480181 -1.35290583 6.80360382 -9.62980299 0.48360614 7.54227881
 10.30562318 -3.41340992 3.0872533 -5.55468001]
 Sample 9024: [4.93536538 0.22919869 0.13637114 7.78068281 5.12474707
 -0.86602065
 0.26215105 -1.4417686 6.76391876 -9.71101719 0.50016577 7.55301648
 10.30805293 -3.33818168 3.10216225 -5.57145932]
 Sample 9025: [4.90701583 0.22663525 0.14908212 7.81776737 5.11419847
 -0.9104349
 0.27898856 -1.49270135 6.72888823 -9.71133539 0.55693671 7.59399505
 10.26279104 -3.3239024 3.03622176 -5.51115933]
 Sample 9026: [4.96005311 0.22748179 0.14905778 7.79978456 5.1445768
 -0.93213065
 0.26119764 -1.53751584 6.77982633 -9.61225113 0.46142525 7.56349984
 10.15601969 -3.32041008 3.11405961 -5.53069435]
 Sample 9027: [4.93904977 0.20572208 0.14500229 7.79422338 5.12827579
 -0.91023867
 0.17471918 -1.56715486 6.72741821 -9.60781193 0.41920533 7.61530048
 10.12964337 -3.35315684 3.12125333 -5.5765862]
 Sample 9028: [4.95002836 0.18927827 0.11916208 7.76204117 5.16457245
 -0.9092884
 0.08677349 -1.52876029 6.73597041 -9.68268238 0.3679885 7.48743951
 10.14969103 -3.38793885 3.03791092 -5.58327518]
 Sample 9029: [4.96215783 0.17691367 0.11278096 7.81499419 5.23129436
 -0.88158308
 0.03424531 -1.57955089 6.68377124 -9.58493169 0.36527749 7.46690251
 10.13981478 -3.41887832 3.11613406 -5.54032937]
 Sample 9030: [4.94619989 0.16740043 0.09444239 7.72730963 5.31635367
 -0.82192691
 -0.02531567 -1.5676533 6.62920808 -9.56641882 0.4450895 7.41363224
 10.11000555 -3.49658431 3.1381514 -5.53459615]

Sample 9031: [4.97607765 0.17322328 0.11970806 7.75212948 5.28320461
 -0.76066274
 0.03219324 -1.60416581 6.68152722 -9.58527784 0.42694503 7.40827502
 10.14384895 -3.45231813 3.16250589 -5.60542323]
 Sample 9032: [4.95998049 0.17304574 0.12980765 7.8290748 5.32018489
 -0.76082422
 0.03273059 -1.65445011 6.6909712 -9.55238213 0.53529254 7.45024243
 10.08078222 -3.42371001 3.14729499 -5.56951232]
 Sample 9033: [4.92126926 0.17760906 0.11545766 7.83195528 5.33676902
 -0.74762975
 0.05779876 -1.55389163 6.72387404 -9.54597799 0.46373725 7.4537387
 10.12915974 -3.52154377 3.14946827 -5.67737473]
 Sample 9034: [4.79977441 0.17193977 0.1073219 7.88695448 5.31543997
 -0.74901402
 0.0380479 -1.54299999 6.70080402 -9.61371405 0.52498828 7.40342751
 10.16974225 -3.54242262 3.09372157 -5.71294586]
 Sample 9035: [4.81711622 0.18570516 0.12094336 7.85809246 5.25574097
 -0.73937282
 0.09230887 -1.54007546 6.75837572 -9.59746228 0.39406383 7.38819844
 10.15385917 -3.54981548 3.10254748 -5.65993259]
 Sample 9036: [4.74892501 0.18804757 0.1288982 7.86694526 5.28731165
 -0.79169424
 0.10767768 -1.56729858 6.73104712 -9.69948975 0.43343223 7.37413448
 10.1966825 -3.50828081 3.12925246 -5.65055744]
 Sample 9037: [4.73962825 0.18881648 0.13585408 7.8361755 5.32745649
 -0.77888824
 0.09914464 -1.60964498 6.72808117 -9.6612516 0.38859567 7.45662789
 10.19757595 -3.59242417 3.23153463 -5.71031246]
 Sample 9038: [4.69773837 0.18456683 0.16108358 7.82453024 5.39326846
 -0.69446973
 0.07879707 -1.77119031 6.72747659 -9.67467269 0.36490113 7.47371498
 10.19355297 -3.52435017 3.20198165 -5.72029985]
 Sample 9039: [4.68738284 0.18665736 0.1468136 7.85281409 5.3077701
 -0.64122301
 0.0677886 -1.71250205 6.73671775 -9.67189894 0.33622616 7.39040851
 10.08680865 -3.4861003 3.20579387 -5.67631046]
 Sample 9040: [4.76019635 0.17726565 0.13224669 7.79365705 5.29074456
 -0.66233128
 0.02837648 -1.69383032 6.68412276 -9.67216595 0.33308357 7.3954013
 10.16575904 -3.58215403 3.20213363 -5.70681196]
 Sample 9041: [4.67481259 0.19102259 0.14433782 7.79433947 5.39024042
 -0.67261915
 0.09274676 -1.67411219 6.58140331 -9.71929273 0.29335161 7.42543788
 10.30225491 -3.564001 3.18327096 -5.60459109]
 Sample 9042: [4.68704105 0.18231852 0.13685609 7.85911158 5.42830699
 -0.47429033
 0.05949752 -1.67960749 6.60969803 -9.70050373 0.34357446 7.40851051
 10.3712391 -3.65069717 3.15919515 -5.6684183]

Sample 9043: [4.68943193 0.16964483 0.13958282 7.91990011 5.47511116
 -0.42904507
 0.01703366 -1.7554795 6.58849342 -9.71726958 0.38703198 7.38061944
 10.31162927 -3.64356762 3.10097546 -5.71163326]
 Sample 9044: [4.68042407 0.17138108 0.13658963 7.83120456 5.36213173
 -0.39628598
 0.0135691 -1.75083208 6.54480102 -9.66914488 0.39648901 7.44378963
 10.44739385 -3.60991709 3.13794632 -5.70160685]
 Sample 9045: [4.63234735 0.15775544 0.1136159 7.8308682 5.3510627
 -0.42354602
 -0.065319 -1.80345336 6.48481778 -9.69708153 0.43103264 7.44283443
 10.4486875 -3.64998471 3.12444184 -5.66501388]
 Sample 9046: [4.62260469 0.15300463 0.0899743 7.90317456 5.30840356
 -0.43662501
 -0.12816386 -1.76474865 6.58444789 -9.65506456 0.47233619 7.47992998
 10.42341224 -3.62657445 3.12058985 -5.65844249]
 Sample 9047: [4.62818649 0.1503279 0.08287105 7.817883 5.23727503
 -0.39487202
 -0.15510196 -1.78173619 6.58530699 -9.67829323 0.44255808 7.41207447
 10.37478192 -3.65108337 3.11926755 -5.55358059]
 Sample 9048: [4.64058285 0.15072583 0.08257221 7.83160744 5.27115634
 -0.45127151
 -0.16743646 -1.73005647 6.61744368 -9.71900323 0.40511385 7.48696022
 10.30052754 -3.62546972 3.19759499 -5.60065502]
 Sample 9049: [4.6468642 0.13530581 0.03039654 7.77964835 5.38368996
 -0.53020986
 -0.21846953 -1.72145728 6.54728757 -9.71262734 0.35391464 7.54418251
 10.2065144 -3.55280809 3.20170684 -5.59833476]
 Sample 9050: [4.60025847 0.15156604 0.10961602 7.76512489 5.41285984
 -0.56691254
 -0.18274848 -1.81778003 6.58339485 -9.69988611 0.31822815 7.54204087
 10.18166667 -3.56706026 3.16322101 -5.63783714]
 Sample 9051: [4.65479733 0.14005954 0.04104129 7.83441527 5.4429965
 -0.56057104
 -0.20330441 -1.71875153 6.59915913 -9.6447616 0.29951339 7.57184863
 10.1461847 -3.54235209 3.22261304 -5.62219099]
 Sample 9052: [4.66617178 0.15019381 0.06441911 7.80102278 5.44668954
 -0.60086297
 -0.19313936 -1.67245835 6.58909449 -9.58000287 0.3272342 7.53252755
 10.10683353 -3.45508652 3.22564079 -5.61249301]
 Sample 9053: [4.73499733 0.13634126 0.04630353 7.84159886 5.51087499
 -0.68193244
 -0.19718276 -1.75395245 6.55613686 -9.50605818 0.36095182 7.49687752
 10.06519888 -3.43262907 3.2389451 -5.62879633]
 Sample 9054: [4.72474072 0.12905917 0.01473356 7.92777398 5.52679605
 -0.75752879
 -0.310425 -1.75018896 6.48669096 -9.55711564 0.34465519 7.61027091
 10.05764342 -3.36354641 3.23662018 -5.66771275]

Sample 9055: [4.766602 0.13644491 -0.01190097 7.91525149 5.62133917
 -0.70453398
 -0.26357256 -1.71249524 6.40648531 -9.61796334 0.38910801 7.63762425
 10.06465749 -3.42343989 3.29700945 -5.69332259]
 Sample 9056: [4.79006453 0.1274856 0.04631939 7.99189787 5.69437794
 -0.69862067
 -0.2916924 -1.86252787 6.41240893 -9.5272784 0.4155259 7.68766293
 10.05918271 -3.4390986 3.20267626 -5.73768879]
 Sample 9057: [4.8307831 0.13822862 0.06817768 7.98148561 5.71780692
 -0.74866925
 -0.17769038 -1.93208043 6.37467996 -9.45894022 0.38056818 7.75256072
 10.04068424 -3.39195325 3.15400154 -5.7322628]
 Sample 9058: [4.86180595 0.1565735 0.14275833 7.9867222 5.79336274
 -0.74109101
 -0.09115392 -1.94893756 6.37858905 -9.5490586 0.42735951 7.8338126
 10.05382527 -3.4483471 3.10846984 -5.84349453]
 Sample 9059: [4.81311527 0.1525928 0.12581964 7.84563484 5.81457685
 -0.75691896
 -0.12225946 -1.89168295 6.36340204 -9.54827785 0.43921993 7.82841816
 10.02342578 -3.43567589 3.1566528 -5.92140409]
 Sample 9060: [4.82142077 0.1839771 0.18354024 7.79404938 5.84176437
 -0.67801467
 0.01293347 -1.93834261 6.33387749 -9.53838637 0.52255733 7.89508154
 10.00223848 -3.47280872 3.07742472 -5.89069523]
 Sample 9061: [4.80251467e+00 1.75938031e-01 1.91439037e-01 7.82410718e+00
 5.76785905e+00 -7.64471357e-01 -2.33291563e-03 -1.99523651e+00
 6.31867932e+00 -9.44326494e+00 5.20033960e-01 7.83941095e+00
 1.00588246e+01 -3.56437369e+00 2.98909297e+00 -5.91023127e+00]
 Sample 9062: [4.76206134 0.17879693 0.20037594 7.75615853 5.70295613
 -0.77475106
 0.0222789 -1.99679683 6.37481809 -9.48196882 0.62708577 7.77427305
 9.98745638 -3.56407861 2.94225936 -5.95727776]
 Sample 9063: [4.81476324 0.19301758 0.21986544 7.76415192 5.74388476
 -0.79996121
 0.09628708 -2.00575385 6.33184337 -9.4464717 0.57576543 7.79118296
 10.06020853 -3.52796061 2.93479686 -5.96177164]
 Sample 9064: [4.74921924 0.19419114 0.2208057 7.74801019 5.67995555
 -0.75375294
 0.09103155 -2.00420949 6.33264667 -9.43574742 0.61246473 7.83557881
 10.09155646 -3.51886556 2.89900939 -5.98052291]
 Sample 9065: [4.78217056 0.19128356 0.22271462 7.79567699 5.61553891
 -0.6862196
 0.08933941 -2.01746265 6.40768455 -9.31196247 0.55303257 7.78238555
 10.07075075 -3.47152 2.88072467 -6.00784585]
 Sample 9066: [4.83692348 0.18161725 0.19957342 7.84188563 5.60336782
 -0.70800452
 0.05057685 -1.93382981 6.33325788 -9.36860696 0.53059525 7.6579113
 10.06417341 -3.41320064 2.88322709 -5.93047303]

Sample 9067: [4.80252286 0.18663607 0.21120406 7.77067762 5.65024413
 -0.70836931
 0.060643 -1.99137604 6.35952284 -9.32237269 0.55780374 7.63215058
 10.04024735 -3.42992978 2.84967741 -5.85275133]
 Sample 9068: [4.7820329 0.19248275 0.21724093 7.71870255 5.59316094
 -0.72720694
 0.08223051 -2.00828265 6.29759473 -9.353582 0.48512465 7.67129169
 10.10309431 -3.43232899 2.86593333 -5.84264726]
 Sample 9069: [4.68653458 0.18942878 0.22479073 7.79264877 5.71149755
 -0.69113627
 0.09454463 -2.02038511 6.3901909 -9.30285409 0.4354225 7.7196231
 10.11060419 -3.44053166 2.79721345 -5.95412336]
 Sample 9070: [4.6684738 0.17422539 0.23008558 7.85946212 5.72435678
 -0.75497275
 0.04027017 -2.10913917 6.4083105 -9.15891286 0.5874863 7.69212503
 10.14744671 -3.41791369 2.77381668 -5.97679963]
 Sample 9071: [4.65730747 0.16167946 0.21584204 7.88768914 5.68456084
 -0.80915249
 -0.04040686 -2.16604912 6.42782505 -9.23401436 0.5249861 7.7310095
 10.22278127 -3.41757897 2.91490921 -6.01263059]
 Sample 9072: [4.67405519 0.16826205 0.21669015 7.83316152 5.73401275
 -0.78371168
 -0.01995422 -2.14334741 6.40378995 -9.30693224 0.53095377 7.76243325
 10.25660312 -3.34208329 2.91237061 -5.99263567]
 Sample 9073: [4.60533836 0.17905477 0.22535881 7.83175941 5.69693075
 -0.82122047
 0.03370521 -2.08758111 6.40751684 -9.36244037 0.60691208 7.8487436
 10.13457982 -3.26664411 3.01576881 -6.03544463]
 Sample 9074: [4.64173211 0.17238978 0.20117931 7.79515385 5.62090391
 -0.89677644
 -0.01276084 -2.0311131 6.496179 -9.40921615 0.57353558 7.82409499
 10.12017494 -3.27248584 3.04583591 -6.01952523]
 Sample 9075: [4.58838966 0.17423606 0.19497433 7.82941824 5.66364639
 -0.85679922
 -0.01997598 -1.99507183 6.45190193 -9.42613159 0.68696209 7.92694826
 10.08026239 -3.32094392 3.09082794 -5.98296425]
 Sample 9076: [4.68252056e+00 1.74263634e-01 1.86633186e-01 7.82584382e+00
 5.64026030e+00 -7.99637186e-01 -7.54475912e-03 -1.94099675e+00
 6.41441221e+00 -9.48310027e+00 6.68627739e-01 7.91400270e+00
 1.00621321e+01 -3.32078042e+00 3.01759448e+00 -5.95600039e+00]
 Sample 9077: [4.73676075 0.16627141 0.18294627 7.81601904 5.58905687
 -0.83300019
 -0.01603962 -1.97461882 6.38865476 -9.5740879 0.68143975 7.93248726
 10.1404535 -3.38350874 2.99307651 -5.9396472]
 Sample 9078: [4.71175244 0.17894315 0.20994938 7.80130663 5.64033717
 -0.79733964
 0.02963312 -2.02478733 6.40274106 -9.63001811 0.6862168 7.93082647
 10.13130412 -3.46015966 2.95895028 -5.85397843]

Sample 9079: [4.67237404 0.1780089 0.211284 7.80376858 5.66179139
 -0.69941001
 0.03383541 -2.02702444 6.39671846 -9.5780971 0.72983724 7.9586655
 10.13426601 -3.39304025 3.00738287 -5.85750109]
 Sample 9080: [4.63385785 0.17790349 0.2052971 7.87483359 5.67768896
 -0.70992452
 0.02781951 -2.02388576 6.33089323 -9.5256002 0.72324468 7.98692236
 10.19076373 -3.33908492 2.99969509 -5.84068474]
 Sample 9081: [4.57010927 0.16871353 0.17992081 7.73952569 5.66142459
 -0.75026643
 -0.01114059 -1.94436034 6.45103821 -9.46183977 0.67948017 8.04478152
 10.13392414 -3.36288926 3.02677529 -5.93211994]
 Sample 9082: [4.52317186 0.17171997 0.17108916 7.7140344 5.64343807
 -0.8403106
 -0.01318591 -1.92859055 6.54648172 -9.5462454 0.68626827 8.13048692
 10.1937389 -3.32951157 3.01775354 -5.84717049]
 Sample 9083: [4.55833961e+00 1.72578150e-01 1.69523019e-01 7.69570410e+00
 5.63684596e+00 -8.39380405e-01 7.73350083e-03 -1.89093526e+00
 6.63069727e+00 -9.47219011e+00 7.06759173e-01 8.08667316e+00
 1.01584489e+01 -3.20008448e+00 3.03556750e+00 -5.82210127e+00]
 Sample 9084: [4.51196211 0.1770918 0.16406503 7.70970419 5.62891051
 -0.88247207
 0.0346868 -1.82907083 6.66015416 -9.43753434 0.69852703 8.13644728
 10.13931512 -3.13323903 3.05500263 -5.81589153]
 Sample 9085: [4.53266034 0.18320933 0.15039133 7.63432476 5.63520505
 -0.88391892
 0.03552472 -1.76754043 6.55849935 -9.50953921 0.72183446 8.13265297
 10.17537663 -3.120619 3.07195983 -5.78494804]
 Sample 9086: [4.47139586 0.19094675 0.1510442 7.64596114 5.656728
 -0.88094512
 0.0668622 -1.72581543 6.54191368 -9.54331048 0.77893896 8.14817148
 10.14467025 -3.12441031 3.06622738 -5.75709667]
 Sample 9087: [4.49968382 0.19592298 0.16798441 7.58516344 5.60433406
 -0.81856069
 0.11622624 -1.7499718 6.460098 -9.45940088 0.69688151 8.18577726
 10.20582408 -3.14420853 3.17177433 -5.77458061]
 Sample 9088: [4.51124882 0.20781982 0.18874026 7.56912457 5.59083249
 -0.94640365
 0.19238814 -1.76950489 6.49118219 -9.54798855 0.7450698 8.14043829
 10.21198784 -3.1796944 3.17402653 -5.86983398]
 Sample 9089: [4.58111306 0.2167105 0.20260496 7.59164874 5.53914771
 -0.94714607
 0.23262997 -1.79973728 6.4372579 -9.48625143 0.73650432 8.14396849
 10.1334379 -3.16621615 3.23164421 -5.84882325]
 Sample 9090: [4.46620327 0.22435593 0.2123138 7.63870295 5.51494515
 -0.91753523
 0.23950485 -1.83869095 6.47180459 -9.42184 0.73354627 8.09746007
 10.16192103 -3.21152012 3.20173467 -5.85269249]

Sample 9091: [4.51574803 0.21436228 0.18168651 7.66044537 5.53868048
 -0.91572314
 0.18155408 -1.7164264 6.40996034 -9.30861336 0.73760261 8.08859992
 10.13482019 -3.17385941 3.26580223 -5.88549411]
 Sample 9092: [4.57107316 0.20168013 0.16273938 7.70519967 5.45075588
 -0.88574358
 0.1588293 -1.67025961 6.39312388 -9.27595586 0.66955211 7.96802691
 10.14585064 -3.15222097 3.25449558 -5.88521868]
 Sample 9093: [4.54835008 0.19935262 0.17255928 7.70160231 5.34321065
 -0.91467157
 0.16075129 -1.7325072 6.38204916 -9.28139459 0.68977856 7.94818148
 10.21022502 -3.16373814 3.24796557 -5.91391335]
 Sample 9094: [4.5087924 0.1829651 0.13629675 7.71911446 5.27115723
 -0.93558639
 0.06602994 -1.66702821 6.36581762 -9.24474664 0.66037036 7.9953632
 10.17756905 -3.1176616 3.1988075 -5.88606009]
 Sample 9095: [4.49837528 0.18788723 0.14560939 7.69792274 5.37821876
 -0.83935907
 0.09704905 -1.6800239 6.35212168 -9.36903493 0.6232407 7.99606279
 10.14452959 -3.14057348 3.18284491 -5.83037661]
 Sample 9096: [4.50874816 0.20102847 0.15084747 7.69768231 5.38944596
 -0.78597147
 0.10675519 -1.67420281 6.36301125 -9.39773223 0.6990332 8.08091631
 10.12887093 -3.14036067 3.24306299 -5.80851234]
 Sample 9097: [4.54162308 0.20410737 0.16984935 7.72149388 5.38002716
 -0.77520076
 0.12225247 -1.74071274 6.27724724 -9.40516195 0.77551664 8.07556203
 10.08873566 -3.13820146 3.2442967 -5.86417485]
 Sample 9098: [4.47745297 0.2048441 0.16840112 7.72242997 5.49577482
 -0.73966855
 0.1126702 -1.74856395 6.25876394 -9.39286305 0.81734113 8.09357375
 10.07244738 -3.20328021 3.24996371 -5.82950973]
 Sample 9099: [4.48853979 0.21706648 0.17801639 7.7122319 5.64469424
 -0.68337072
 0.19175494 -1.70208893 6.33804811 -9.32086638 0.82082224 8.02134366
 10.00650968 -3.14077198 3.28445756 -5.91717784]
 Sample 9100: [4.47707353 0.21036016 0.1827631 7.7083022 5.64328812
 -0.69823668
 0.17491679 -1.74011438 6.38039503 -9.32413071 0.76791945 8.04185952
 9.97261516 -3.12748317 3.28455815 -6.00462597]
 Sample 9101: [4.45173782 0.20642676 0.17159546 7.64840036 5.74562996
 -0.63679047
 0.15103716 -1.71702192 6.37034293 -9.24795918 0.72369579 8.06830252
 10.00939593 -3.11902622 3.25657623 -5.93612408]
 Sample 9102: [4.3884867 0.18970107 0.16973005 7.70280003 5.61178475
 -0.61833037
 0.14553017 -1.74428142 6.45174777 -9.20139244 0.73651284 8.11854149
 9.92474408 -3.14529598 3.24777687 -6.07351833]

Sample 9103: [4.43179506 0.19662895 0.181343 7.69837955 5.68654885
 -0.67709402
 0.12934345 -1.78462721 6.43349828 -9.16061822 0.69692497 8.21591003
 9.88738749 -3.1051517 3.28330375 -6.01249762]
 Sample 9104: [4.44106393 0.19225658 0.18402912 7.72157278 5.62953212
 -0.67355206
 0.12738165 -1.81065808 6.51008651 -9.25898247 0.62057038 8.22947052
 9.92129516 -3.08264308 3.37634327 -6.18000009]
 Sample 9105: [4.44663004 0.19892073 0.18531931 7.73420312 5.58774558
 -0.63306859
 0.12195594 -1.83376003 6.52177015 -9.23967138 0.61455827 8.22786259
 9.98749658 -3.08575105 3.41327648 -6.10638475]
 Sample 9106: [4.41912937 0.20284284 0.18362005 7.75891689 5.5996785
 -0.65295897
 0.11432113 -1.80881517 6.56790637 -9.24018865 0.57939597 8.2767704
 10.07195566 -3.12092276 3.39559008 -6.09507361]
 Sample 9107: [4.43114079 0.2156964 0.20629656 7.73793384 5.61506784
 -0.667827
 0.17410006 -1.80184082 6.52667949 -9.19230635 0.53451776 8.2626595
 10.12170487 -3.17995579 3.40683964 -6.13380479]
 Sample 9108: [4.49909107 0.2040079 0.19313353 7.80787263 5.54983678
 -0.80905641
 0.12039406 -1.80162801 6.54358918 -9.17238113 0.62941666 8.28257343
 10.04201931 -3.25270002 3.37474811 -6.10733931]
 Sample 9109: [4.48448254 0.21268489 0.19979577 7.76485046 5.57492593
 -0.82861126
 0.18180216 -1.78103028 6.62715693 -9.19632734 0.68633869 8.21679142
 10.09632704 -3.14784739 3.3711435 -6.10814227]
 Sample 9110: [4.53630929 0.21295393 0.20433841 7.72896985 5.59284957
 -0.77942928
 0.15746615 -1.81644121 6.67219374 -9.12003341 0.75734966 8.17155983
 10.168288 -3.14771956 3.28696267 -6.06495456]
 Sample 9111: [4.56268213 0.20963531 0.1940427 7.73649791 5.536982
 -0.7675305
 0.13175899 -1.77998953 6.5749065 -9.07979075 0.74740776 8.14815084
 10.17360198 -3.06565629 3.29711039 -6.02263462]
 Sample 9112: [4.60171959 0.20796692 0.19093201 7.75606507 5.52208598
 -0.77686369
 0.09733871 -1.79487044 6.60187334 -9.06124291 0.82330899 8.12768309
 10.15965256 -3.12932551 3.27254558 -6.0093857]
 Sample 9113: [4.51459295 0.19896676 0.1907791 7.7217734 5.61674887
 -0.78579263
 0.09173788 -1.81035851 6.62679364 -9.10235223 0.74719918 8.10170937
 10.22667629 -3.1090802 3.32579932 -6.07928023]
 Sample 9114: [4.50074594 0.19498135 0.1870239 7.66013303 5.60082083
 -0.83370238
 0.06708998 -1.8173224 6.68856686 -9.12662694 0.77557588 8.09337579
 10.17611643 -3.17679977 3.26207296 -6.14654847]

Sample 9115: [4.46220385 0.18784331 0.18126074 7.66077013 5.60865275
 -0.82646219
 0.04536121 -1.79652614 6.64991484 -9.07100329 0.81631851 8.05181941
 10.17956121 -3.19926013 3.24696782 -6.11970641]
 Sample 9116: [4.52809889e+00 1.81771546e-01 1.60114031e-01 7.67278271e+00
 5.58331867e+00 -8.22771577e-01 -3.64662574e-03 -1.79309622e+00
 6.61768721e+00 -9.07251069e+00 8.41914900e-01 8.04716910e+00
 1.03330023e+01 -3.13609701e+00 3.22951604e+00 -6.10864262e+00]
 Sample 9117: [4.40845617 0.19427708 0.15988947 7.66025623 5.6206912
 -0.8804417
 0.03697696 -1.73627325 6.595676 -9.13376754 0.83512834 8.14178995
 10.38185355 -3.18753643 3.23604388 -6.0404165]
 Sample 9118: [4.46973811 0.19495642 0.15196686 7.60544249 5.67092623
 -0.93889329
 0.03172303 -1.6998216 6.59028676 -9.12949251 0.76820942 8.13232943
 10.35915851 -3.11753728 3.3208865 -5.98153186]
 Sample 9119: [4.49507774 0.17537492 0.13587846 7.57717417 5.61127362
 -1.03450395
 -0.05212506 -1.73802307 6.55698974 -9.12758614 0.77293179 8.09754375
 10.34568779 -3.23886665 3.29391775 -5.96779723]
 Sample 9120: [4.53471816e+00 1.89272044e-01 1.40782499e-01 7.54733428e+00
 5.66237843e+00 -1.05940169e+00 -6.52488513e-03 -1.71693047e+00
 6.56445436e+00 -9.09415575e+00 8.15783945e-01 8.09326144e+00
 1.02842384e+01 -3.18296233e+00 3.27982978e+00 -5.90674011e+00]
 Sample 9121: [4.55231039 0.19189203 0.13199452 7.46999844 5.72430554
 -1.09279516
 -0.02324897 -1.71093015 6.61075967 -9.07323815 0.76529099 8.16084728
 10.3787158 -3.17617911 3.35910853 -5.8001145]
 Sample 9122: [4.58481951 0.1965739 0.13582618 7.44076766 5.63265855
 -0.96710146
 0.01069039 -1.63955843 6.67469565 -8.95689254 0.73115272 8.24606942
 10.29528757 -3.17571953 3.36660526 -5.84164593]
 Sample 9123: [4.59454018 0.20947344 0.1687461 7.45528626 5.69436073
 -1.04982773
 0.09895602 -1.7237925 6.69750447 -8.90699474 0.74762823 8.24968344
 10.24211925 -3.11004475 3.26425901 -5.89434662]
 Sample 9124: [4.53932317 0.205378 0.16847809 7.47582162 5.74375851
 -1.13821685
 0.09042621 -1.74969112 6.64272021 -8.88761273 0.66344091 8.27548083
 10.22796396 -3.03217572 3.2257509 -5.95368936]
 Sample 9125: [4.60391073 0.20202518 0.17558001 7.41245836 5.82116996
 -1.05506192
 0.08832411 -1.7602171 6.60441389 -8.86686426 0.61176388 8.26977998
 10.21446807 -3.02495027 3.25035632 -6.01985753]
 Sample 9126: [4.52091018 0.20491408 0.15551345 7.50213016 5.81086355
 -1.06007382
 0.08836154 -1.64186123 6.58671761 -8.89987986 0.65569897 8.26724436
 10.15076767 -3.01883464 3.22705904 -6.06548158]

Sample 9127: [4.51538643 0.20086038 0.14491067 7.52930372 5.71264813
 -1.11540334
 0.08061304 -1.58288241 6.68476801 -8.91756036 0.6033918 8.30020693
 10.11468851 -3.07687225 3.21850763 -6.04394595]
 Sample 9128: [4.51403635 0.20140902 0.14098703 7.64336865 5.67870258
 -1.15023717
 0.09433815 -1.57164548 6.70206246 -8.9446871 0.61673652 8.34627009
 10.19502812 -3.06899134 3.19152928 -6.03882916]
 Sample 9129: [4.54967539 0.21250735 0.13568476 7.59604885 5.5948298
 -1.21198367
 0.13409063 -1.46093742 6.74098802 -9.02281251 0.65137225 8.28720192
 10.1676035 -3.11915266 3.2282033 -6.1404413]
 Sample 9130: [4.60084438 0.21769423 0.14793724 7.59133031 5.58638526
 -1.14020206
 0.23001323 -1.48140113 6.79454338 -8.99156266 0.64441794 8.25939698
 10.09784755 -3.1275404 3.18386431 -6.13422867]
 Sample 9131: [4.41507491 0.22530218 0.15106735 7.58408586 5.53661748
 -1.21873461
 0.23700683 -1.4880685 6.76348312 -8.98621543 0.65762363 8.26332178
 10.13373231 -3.1170684 3.11703607 -6.04421842]
 Sample 9132: [4.41985052 0.20930459 0.12681659 7.55251624 5.67069294
 -1.2990345
 0.20707028 -1.41866942 6.69954259 -9.00336999 0.6831424 8.22890887
 10.11111339 -3.13114979 3.09076232 -6.07031947]
 Sample 9133: [4.39655857 0.22757374 0.13247344 7.54888367 5.71976429
 -1.27047479
 0.26508059 -1.36177198 6.76486422 -9.05075687 0.6696942 8.15054653
 10.0797579 -3.16461656 3.12548183 -6.01689346]
 Sample 9134: [4.40047016 0.25328506 0.14229583 7.55170578 5.69706702
 -1.33842929
 0.32769649 -1.35787115 6.78164139 -9.01793525 0.68290866 8.19763934
 9.97299626 -3.18662808 3.0940965 -6.03214933]
 Sample 9135: [4.39247632 0.23635702 0.15116665 7.52736119 5.7255853
 -1.41075492
 0.31150495 -1.40654175 6.8206437 -9.02700407 0.71502806 8.12046923
 9.89995514 -3.11601218 3.03782465 -6.04442523]
 Sample 9136: [4.42463347 0.25392071 0.17125305 7.51039502 5.73373097
 -1.49764423
 0.36087795 -1.41679543 6.75339229 -8.98768454 0.77178059 8.11056087
 9.76717451 -3.15731053 3.09034171 -6.02960841]
 Sample 9137: [4.45377787 0.25407175 0.16673579 7.52633732 5.72205503
 -1.52175154
 0.3595314 -1.41708659 6.67044221 -8.99255337 0.78034925 8.08966246
 9.6796423 -3.14942917 3.1409568 -5.98129328]
 Sample 9138: [4.55075385 0.25517097 0.1484417 7.53499874 5.78317055
 -1.56248776
 0.34912022 -1.40854763 6.68212738 -8.94506837 0.88758484 8.22386657
 9.60839892 -3.10589343 3.1302918 -6.01541755]

Sample 9139: [4.48044957 0.25186108 0.15896984 7.54006258 5.75747617
 -1.60295627
 0.35152327 -1.3585193 6.72094588 -8.92823097 0.91290383 8.23391619
 9.55077455 -3.16994269 3.17223663 -6.05158874]
 Sample 9140: [4.48507297 0.25484363 0.15122398 7.50329945 5.70790166
 -1.56756421
 0.384763 -1.37290258 6.7122151 -8.85369047 0.82906784 8.20797557
 9.5927464 -3.11911729 3.24127978 -5.95926825]
 Sample 9141: [4.5499924 0.28446617 0.16387666 7.45122979 5.72828111
 -1.67406136
 0.48655139 -1.3671726 6.64788283 -8.80400217 0.84578884 8.14271776
 9.66389023 -3.09156861 3.26728015 -5.91450376]
 Sample 9142: [4.52270468 0.27445478 0.15522345 7.45581278 5.7241055
 -1.64425263
 0.44965334 -1.35328394 6.60317938 -8.80449603 0.79576782 8.16937749
 9.69141028 -3.00145981 3.23532048 -5.98841647]
 Sample 9143: [4.54263421 0.2848881 0.15802391 7.53649024 5.72862096
 -1.76889115
 0.50605295 -1.32722988 6.53121252 -8.82590922 0.75055417 8.21473718
 9.63995049 -2.97325216 3.22425901 -5.99692102]
 Sample 9144: [4.67753128 0.26641472 0.14789871 7.61396758 5.76450001
 -1.71193573
 0.45939256 -1.30923593 6.522798 -8.79819019 0.74952442 8.28258552
 9.6430763 -2.92730441 3.24287606 -6.03122627]
 Sample 9145: [4.66115019 0.27339492 0.14817949 7.52699285 5.754174
 -1.76269662
 0.46845784 -1.30786423 6.55219097 -8.75084526 0.75744912 8.26875689
 9.65963163 -2.89387603 3.27195159 -5.99991162]
 Sample 9146: [4.60453675 0.26436174 0.14538588 7.5278995 5.72731727
 -1.63139509
 0.46436287 -1.29684508 6.59813684 -8.70101013 0.77086245 8.33277232
 9.66778248 -2.89151039 3.30029917 -6.06756601]
 Sample 9147: [4.52274365 0.26961059 0.13421635 7.60363429 5.70612621
 -1.69605415
 0.46982953 -1.21142627 6.54728677 -8.67082592 0.7166789 8.42918984
 9.55473452 -2.91765897 3.28767564 -6.15867158]
 Sample 9148: [4.4889693 0.2849232 0.117454 7.71294401 5.6392499
 -1.73504244
 0.40400638 -1.12050387 6.53985652 -8.71158756 0.68743557 8.36230845
 9.52416601 -2.95338782 3.30695234 -6.12195466]
 Sample 9149: [4.53242174 0.26773817 0.12587601 7.67559822 5.65306639
 -1.65889053
 0.41025535 -1.18134918 6.48990892 -8.63351181 0.59528501 8.33095642
 9.46771365 -2.98195866 3.30204676 -6.15511357]
 Sample 9150: [4.60105521 0.25863501 0.12324804 7.67363577 5.65917763
 -1.62766076
 0.35014006 -1.1737953 6.44301629 -8.64350782 0.63009007 8.33097799
 9.50113127 -2.96460807 3.22340779 -6.06971308]

Sample 9151: [4.53349818 0.27189853 0.12194342 7.69195924 5.61935819
 -1.47868036
 0.40206692 -1.19551647 6.43635148 -8.68031229 0.64941547 8.31863172
 9.47805793 -2.91432673 3.21749849 -6.12063571]
 Sample 9152: [4.5009663 0.26440629 0.13694667 7.70474397 5.59768738
 -1.53417042
 0.41866011 -1.19420848 6.52015863 -8.72871612 0.6297666 8.18234679
 9.56717854 -2.94091296 3.17941145 -6.13751746]
 Sample 9153: [4.57835249 0.28027725 0.12981415 7.70883299 5.59316275
 -1.54456261
 0.43176197 -1.24704122 6.60051201 -8.71674757 0.56935656 8.14202866
 9.66045789 -2.91751096 3.25307225 -6.11833304]
 Sample 9154: [4.5778623 0.26180951 0.14471043 7.72716049 5.58840175
 -1.53100112
 0.3902397 -1.23533471 6.60064298 -8.73037376 0.53183603 8.15219833
 9.67781895 -2.85988052 3.24872137 -6.16132226]
 Sample 9155: [4.54014059 0.26936756 0.14481643 7.70791954 5.58952126
 -1.53245283
 0.47446109 -1.33168532 6.58558958 -8.75908363 0.54019741 8.21338151
 9.72239106 -2.81350653 3.23568592 -6.13558429]
 Sample 9156: [4.53340802 0.27613367 0.16937597 7.71420205 5.57543385
 -1.56310578
 0.5497717 -1.33253626 6.56308957 -8.83903634 0.49197181 8.28693276
 9.78142598 -2.75926232 3.36677448 -6.22909944]
 Sample 9157: [4.57506942 0.27798964 0.1404257 7.70610476 5.52904951
 -1.55440405
 0.52116799 -1.27358327 6.52904536 -8.89665976 0.43794171 8.25813446
 9.72747387 -2.66313617 3.29363851 -6.29764324]
 Sample 9158: [4.64009232 0.24703869 0.15537154 7.58945331 5.51627196
 -1.63152664
 0.46258212 -1.28310995 6.47301789 -8.88280999 0.50245793 8.17544353
 9.64901177 -2.64897943 3.22590694 -6.28230169]
 Sample 9159: [4.59109917 0.27126562 0.1346339 7.52433753 5.51181611
 -1.71300445
 0.43950391 -1.25334677 6.52967642 -8.86141633 0.48906907 8.28067484
 9.62074131 -2.5972763 3.16539866 -6.27873878]
 Sample 9160: [4.68498028 0.23527396 0.13906856 7.51370998 5.53998966
 -1.63314855
 0.32299615 -1.26599086 6.54116588 -8.77883538 0.49521751 8.2162791
 9.57410057 -2.57179864 3.14602211 -6.27356902]
 Sample 9161: [4.76132138 0.25040099 0.14773408 7.50250691 5.54674885
 -1.78420904
 0.3930006 -1.27305666 6.51940998 -8.77634308 0.49492031 8.27583113
 9.58171121 -2.51768189 3.15494886 -6.30135443]
 Sample 9162: [4.79416065 0.26294468 0.12175185 7.54505213 5.52960646
 -1.72103626
 0.43573464 -1.15977023 6.48090598 -8.74283337 0.49395036 8.24578199
 9.68970266 -2.55439147 3.10427045 -6.39383039]

Sample 9163: [4.84497088 0.26005764 0.14207851 7.50859183 5.47509904
 -1.76017572
 0.47506454 -1.20465361 6.50652057 -8.80987958 0.40184058 8.18701931
 9.66519709 -2.6341995 3.07671064 -6.43026174]
 Sample 9164: [4.82653187 0.2813634 0.12549671 7.55062278 5.55700593
 -1.74770039
 0.49550254 -1.14511303 6.49091184 -8.77414816 0.39139629 8.24291625
 9.65251356 -2.69583793 3.05911101 -6.44683767]
 Sample 9165: [4.93513263 0.27305999 0.11218692 7.46771038 5.47340662
 -1.76803479
 0.44117231 -1.06278963 6.5104784 -8.75732325 0.37379989 8.28443487
 9.67090085 -2.76391036 3.02632226 -6.42848934]
 Sample 9166: [4.89979954 0.26450247 0.10440626 7.50672755 5.44651815
 -1.79188169
 0.41145676 -1.05198355 6.44578693 -8.78490254 0.32156423 8.32287543
 9.66986269 -2.772492 3.04696735 -6.5107331]
 Sample 9167: [4.92109336 0.25152046 0.12687577 7.40887078 5.38863698
 -1.91898096
 0.41174723 -1.15146712 6.51049331 -8.74691449 0.3769204 8.23657326
 9.6699342 -2.67151189 3.08663856 -6.51836803]
 Sample 9168: [4.95942366 0.22864151 0.12340576 7.38529564 5.43288596
 -1.89428028
 0.33367282 -1.18685362 6.48963251 -8.73904711 0.40819262 8.2284215
 9.68550931 -2.68521958 3.13821047 -6.44656179]
 Sample 9169: [5.00224698 0.25224383 0.10634474 7.38912731 5.37840096
 -1.91448064
 0.31424207 -1.14488805 6.46151028 -8.79343173 0.4182174 8.31712295
 9.64660343 -2.61874217 3.16005727 -6.39194518]
 Sample 9170: [5.00230683 0.22710854 0.11087743 7.39179987 5.45737962
 -1.86752683
 0.25213678 -1.16394619 6.3944458 -8.81753691 0.39406374 8.37384268
 9.5781151 -2.67514597 3.13456709 -6.33935928]
 Sample 9171: [5.11804862 0.24174619 0.1052532 7.36174044 5.41810353
 -1.81379266
 0.2598661 -1.1484883 6.30933075 -8.93768701 0.28294824 8.27311049
 9.60292372 -2.6565152 3.08171674 -6.28447932]
 Sample 9172: [5.13766303 0.23872035 0.0989918 7.32517771 5.38176912
 -1.82006431
 0.24587535 -1.19474222 6.36601664 -9.0049694 0.32614714 8.27049248
 9.69333865 -2.67961998 3.19227019 -6.25314467]
 Sample 9173: [5.10029716 0.23296179 0.08399754 7.29988134 5.42850259
 -1.84559723
 0.17526223 -1.10277933 6.40932711 -9.04907438 0.37299506 8.24126912
 9.72430248 -2.61533785 3.19593081 -6.27639303]
 Sample 9174: [5.15995548 0.22818543 0.08398556 7.37322418 5.41996296
 -1.81427268
 0.18245861 -1.10955798 6.35766785 -8.96893677 0.31160181 8.27965484
 9.73141167 -2.58973176 3.22672839 -6.31588682]

Sample 9175: [5.13182542 0.23350141 0.10067796 7.35953385 5.5121158
 -1.83238547
 0.23437583 -1.12443602 6.38873504 -8.95566737 0.2328332 8.31116441
 9.71955043 -2.53752406 3.18971484 -6.32636131]
 Sample 9176: [5.11924351 0.23162828 0.06933566 7.36109087 5.43474191
 -1.85747782
 0.14191289 -1.03410567 6.38703849 -8.93568965 0.24831978 8.23453658
 9.69495847 -2.49866078 3.30666953 -6.31048392]
 Sample 9177: [5.11461433 0.23353418 0.07711567 7.41300182 5.38105546
 -1.82769018
 0.16029441 -1.04263902 6.3750792 -8.93705566 0.22242427 8.30280326
 9.72966088 -2.51643856 3.36138576 -6.29748442]
 Sample 9178: [5.16232562 0.25450769 0.07835533 7.40207883 5.44059528
 -1.88832971
 0.18999827 -1.03661451 6.368454 -8.94255734 0.26690048 8.29790997
 9.79215784 -2.42515591 3.28370019 -6.35555668]
 Sample 9179: [5.32618282 0.25338264 0.0737596 7.40270275 5.36942181
 -1.76060484
 0.21320408 -1.00256787 6.44631499 -9.00132725 0.20221776 8.31552345
 9.80550757 -2.37981413 3.36166447 -6.38670155]
 Sample 9180: [5.36546476 0.24319731 0.07478566 7.37942177 5.30017139
 -1.76489366
 0.13525106 -1.02719933 6.40890258 -9.01652917 0.24271004 8.27172077
 9.75656913 -2.3265394 3.31369789 -6.29530454]
 Sample 9181: [5.38910072 0.2545723 0.08540641 7.43917143 5.35369117
 -1.75321715
 0.25428282 -1.02208281 6.36831876 -9.03206245 0.26511685 8.3216068
 9.71235307 -2.30674715 3.29441719 -6.31855569]
 Sample 9182: [5.3591754 0.25710067 0.09190611 7.47605228 5.40523546
 -1.76760632
 0.25614992 -1.06156283 6.30284039 -9.05937277 0.32085339 8.30444651
 9.77474078 -2.29015702 3.35124583 -6.33828097]
 Sample 9183: [5.38024215 0.2338289 0.10099387 7.47076261 5.34384824
 -1.82757403
 0.28604284 -1.12731498 6.24961625 -9.11382454 0.35104532 8.22613079
 9.89065512 -2.31287529 3.30147511 -6.30138746]
 Sample 9184: [5.4327947 0.23105076 0.0974787 7.49809456 5.41061199
 -1.83117383
 0.21684168 -1.16594832 6.27353349 -9.10073606 0.46438756 8.14504457
 9.86976151 -2.30357321 3.30914439 -6.35069053]
 Sample 9185: [5.33210707 0.23668565 0.1049038 7.47551127 5.37577894
 -1.72822637
 0.29211305 -1.15085734 6.25722382 -9.06389203 0.48291108 8.1602011
 9.88648242 -2.2558753 3.36975043 -6.37129932]
 Sample 9186: [5.32557365 0.25102866 0.10816457 7.48577335 5.34095087
 -1.7170663
 0.35617278 -1.15191762 6.32995825 -9.04707672 0.52073486 8.16761452
 9.85214732 -2.25626125 3.39311023 -6.37757055]

Sample 9187: [5.24645375 0.23995 0.08600198 7.45021476 5.38485363
 -1.68546009
 0.30103045 -1.05363266 6.34471459 -9.05989351 0.50745075 8.2054189
 9.81357434 -2.22218417 3.44625366 -6.44156611]
 Sample 9188: [5.24908121 0.26193303 0.09974295 7.58119805 5.40606483
 -1.71325794
 0.37099315 -1.02834365 6.29832302 -9.13962473 0.53753081 8.15392118
 9.81059153 -2.11944483 3.43684812 -6.46737958]
 Sample 9189: [5.29751043 0.26833342 0.0965135 7.66518252 5.30597242
 -1.71049831
 0.35033116 -1.02057128 6.27454068 -9.13097572 0.50302747 8.04952898
 9.83207683 -2.24358089 3.39345497 -6.49003723]
 Sample 9190: [5.30935654 0.26841396 0.10379187 7.58442792 5.33051992
 -1.64508299
 0.41210984 -1.06712324 6.25573464 -9.05178002 0.51128538 8.00898924
 9.83807946 -2.19332097 3.5095898 -6.43793716]
 Sample 9191: [5.34070289 0.25996575 0.11701523 7.56217049 5.4048454
 -1.55410515
 0.4016838 -1.16178087 6.12100074 -9.06113573 0.40653184 7.88880619
 9.88340614 -2.21775457 3.43340845 -6.43541079]
 Sample 9192: [5.35100776 0.27190615 0.11847572 7.62040977 5.40033116
 -1.45220509
 0.39508669 -1.12874161 6.14049306 -9.0537076 0.43847751 7.86845322
 9.95142459 -2.23157558 3.41831775 -6.39140007]
 Sample 9193: [5.35210631 0.23788512 0.10691343 7.66411398 5.43205821
 -1.50315804
 0.33314222 -1.15933957 6.12928491 -9.05686256 0.42897231 7.87195132
 9.94618267 -2.31815282 3.5091564 -6.46959439]
 Sample 9194: [5.45473082 0.24603235 0.11782956 7.78409705 5.44616377
 -1.48522339
 0.41804608 -1.12934975 6.23549352 -9.09020609 0.48435067 7.85923709
 10.02283117 -2.31762876 3.52590106 -6.43470071]
 Sample 9195: [5.53152943 0.24201088 0.13304356 7.71410426 5.45379836
 -1.52478909
 0.42670989 -1.21285214 6.16753342 -9.00181136 0.46853508 7.86019101
 10.07208288 -2.34381358 3.51675224 -6.47329362]
 Sample 9196: [5.52626487 0.24171586 0.11694305 7.6792386 5.56965913
 -1.47632199
 0.39924186 -1.20400435 6.12819671 -9.0083085 0.40437888 7.8499748
 10.08679994 -2.35744565 3.514603 -6.46366456]
 Sample 9197: [5.61776515 0.24634883 0.10960012 7.6592029 5.56139193
 -1.46900271
 0.3801757 -1.11610531 6.16711781 -9.07157648 0.31753554 7.80547986
 10.07521517 -2.40987351 3.52057844 -6.46354081]
 Sample 9198: [5.58723653 0.24552139 0.09751084 7.66540772 5.53341946
 -1.49958383
 0.3145885 -1.07379828 6.17764918 -9.08764721 0.32482392 7.74649562
 10.15122447 -2.37864784 3.57255165 -6.48353453]

Sample 9199: [5.74064823 0.2299414 0.0920344 7.57141798 5.50870766
 -1.48264256
 0.22990849 -1.10494902 6.18316873 -9.13106714 0.29645673 7.74531083
 10.06109017 -2.38719025 3.55781092 -6.45022416]
 Sample 9200: [5.74842179 0.25106047 0.08714159 7.60809621 5.45762458
 -1.39522308
 0.29297712 -1.06477077 6.17975752 -9.16780029 0.35133342 7.74029284
 10.13829724 -2.38278406 3.54451193 -6.45793666]
 Sample 9201: [5.69485421 0.2388655 0.08201276 7.5633504 5.43909239
 -1.37262142
 0.30063604 -1.03373153 6.15893699 -9.18056838 0.33512436 7.68220216
 10.12920317 -2.30713504 3.56074441 -6.46992247]
 Sample 9202: [5.7477448 0.23954443 0.09036073 7.53411748 5.44252348
 -1.41644059
 0.34014815 -1.10024454 6.1771944 -9.09656601 0.30611843 7.64939652
 10.19385874 -2.33186674 3.61898182 -6.51887232]
 Sample 9203: [5.79655274 0.22444662 0.10542387 7.51000785 5.46102802
 -1.47047477
 0.30747707 -1.19951838 6.20510075 -9.13067621 0.25089545 7.55840079
 10.20562588 -2.3051185 3.54189122 -6.5074434]
 Sample 9204: [5.83116579 0.22472777 0.10674274 7.52822461 5.37890143
 -1.41775165
 0.30598939 -1.14798561 6.14019336 -9.0963126 0.24410141 7.50027353
 10.22190295 -2.32182634 3.53243159 -6.59948157]
 Sample 9205: [5.75452717 0.23244779 0.09537401 7.54363558 5.47930463
 -1.43357663
 0.26996095 -1.08150059 6.04662118 -9.10806741 0.14881748 7.49984398
 10.29853392 -2.34249877 3.62926544 -6.64720995]
 Sample 9206: [5.72172935 0.24304168 0.08807619 7.47718514 5.44442141
 -1.50319684
 0.26666514 -1.03034905 6.0649969 -9.06938872 0.18277704 7.48103373
 10.34357816 -2.32049253 3.66133964 -6.61738612]
 Sample 9207: [5.69591497 0.24584055 0.0873329 7.5349137 5.47849986
 -1.46454206
 0.23509728 -1.03573977 6.05308459 -9.05691031 0.14028375 7.43475561
 10.40098354 -2.32131389 3.61851546 -6.56930379]
 Sample 9208: [5.67207198 0.25452662 0.08920039 7.49362117 5.46272915
 -1.50999403
 0.30128587 -1.02624891 6.15146557 -9.10272347 0.13982763 7.39221574
 10.37861899 -2.35242797 3.57221046 -6.56008959]
 Sample 9209: [5.67931011 0.28255586 0.08719664 7.57229663 5.52370637
 -1.52382506
 0.41240591 -1.0004991 6.19716096 -9.11657631 0.22743192 7.38221772
 10.4268176 -2.33068066 3.63035101 -6.51522704]
 Sample 9210: [5.60823485 0.29446327 0.07659289 7.58113923 5.44496858
 -1.57133852
 0.37146321 -0.95537672 6.13637291 -9.16416222 0.26883145 7.38554858
 10.49823354 -2.44381878 3.71086152 -6.47997349]

Sample 9211: [5.57673139 0.30389258 0.0800324 7.57415005 5.48693961
 -1.52566588
 0.44917273 -0.95447895 6.17148493 -9.0555069 0.23902162 7.26965041
 10.53472519 -2.57581437 3.75113238 -6.56466561]
 Sample 9212: [5.52582605 0.32184375 0.06896538 7.554582 5.47130735
 -1.47408641
 0.43420369 -0.88759224 6.10905355 -9.00558826 0.24994219 7.25149586
 10.45774547 -2.54221001 3.66524007 -6.51696128]
 Sample 9213: [5.54870494 0.30960531 0.08004942 7.57206513 5.45977868
 -1.49141314
 0.49049618 -0.9391606 6.10488675 -8.99351407 0.18562269 7.26742809
 10.49842046 -2.54528377 3.60972997 -6.50463986]
 Sample 9214: [5.58953091 0.30181442 0.08203399 7.57771217 5.44543349
 -1.5371911
 0.47478165 -0.95543778 6.09492845 -8.94399858 0.22793843 7.26968446
 10.51849445 -2.55314686 3.54636472 -6.43093916]
 Sample 9215: [5.6119096 0.34206279 0.07288652 7.58529945 5.28639106
 -1.44624051
 0.54855312 -0.9156952 6.02138854 -9.00357929 0.3844648 7.2629074
 10.54477609 -2.53242883 3.48527749 -6.37118547]
 Sample 9216: [5.62565834 0.36293107 0.07406681 7.61572621 5.23108051
 -1.51219441
 0.64998948 -0.92252579 6.02179848 -8.97720311 0.41767291 7.26730186
 10.60027829 -2.49297808 3.48276744 -6.30733986]
 Sample 9217: [5.642735 0.34918883 0.07094332 7.5671277 5.29989002
 -1.54291256
 0.54931465 -0.89836225 6.0012189 -9.00404243 0.38311367 7.26830538
 10.59621097 -2.57301073 3.5375783 -6.35521239]
 Sample 9218: [5.56066644 0.35922495 0.07412909 7.58554589 5.26668164
 -1.51575012
 0.56843085 -0.89468223 6.03549086 -8.98490251 0.35827017 7.14222452
 10.5541195 -2.552642 3.52725868 -6.30064888]
 Sample 9219: [5.51507866 0.37721547 0.06914284 7.60603867 5.27411525
 -1.4043502
 0.58755877 -0.89115445 6.0562854 -9.03584641 0.3552134 7.09250857
 10.5910015 -2.575701 3.6116743 -6.24462093]
 Sample 9220: [5.49711538 0.46399464 0.05386559 7.57857681 5.31114146
 -1.39175465
 0.65070477 -0.807283 6.06030311 -8.98036429 0.37910328 7.11041362
 10.56532966 -2.57874107 3.63438117 -6.27427056]
 Sample 9221: [5.52132507 0.48762377 0.0437217 7.59919268 5.25769019
 -1.35075744
 0.61898447 -0.79530085 6.13317774 -9.03973544 0.30238541 7.07742481
 10.59997488 -2.57388478 3.62800732 -6.29215471]
 Sample 9222: [5.51062398 0.46461899 0.04913112 7.54273318 5.22436658
 -1.27640798
 0.64576496 -0.80799113 6.03695306 -9.11311799 0.4298711 7.09774994
 10.67431793 -2.54974866 3.630173 -6.31670398]

Sample 9223: [5.50638823 0.43399324 0.05112887 7.58899821 5.0998888
 -1.20001829
 0.63886496 -0.84293731 6.09629465 -9.07849828 0.34032171 7.13040888
 10.70644597 -2.58709367 3.62149475 -6.25853487]
 Sample 9224: [5.45734862 0.47916754 0.04857466 7.57958594 5.15806752
 -1.22160823
 0.72533327 -0.80923296 6.00957459 -9.04448622 0.35211392 7.13356605
 10.68745815 -2.66493393 3.61747586 -6.29100648]
 Sample 9225: [5.40675375 0.48271187 0.04510574 7.56885192 5.10554251
 -1.1719192
 0.65335587 -0.80716116 5.97381415 -9.12660875 0.36540322 7.14071221
 10.67798351 -2.61586765 3.62805212 -6.31542262]
 Sample 9226: [5.49235617 0.48132354 0.04775769 7.56608727 5.06530977
 -1.15805888
 0.69379781 -0.79930249 6.10214816 -9.10835583 0.35868587 7.11034749
 10.71229885 -2.73081571 3.60570234 -6.37518213]
 Sample 9227: [5.48251786 0.40467956 0.06372477 7.57388393 5.18710853
 -1.06308855
 0.71609139 -0.88706124 6.03739411 -9.13274942 0.40337904 7.09595333
 10.67874545 -2.73196566 3.55636456 -6.36653278]
 Sample 9228: [5.49879675 0.37644721 0.07299924 7.57274827 5.22827811
 -1.10604457
 0.78694274 -0.92047741 6.04059006 -9.16193914 0.39669128 7.10153262
 10.73331842 -2.71982497 3.56141381 -6.44805155]
 Sample 9229: [5.50855545 0.39610559 0.07234029 7.57222659 5.27447577
 -1.11874173
 0.8473244 -0.93101823 6.01225548 -9.178902 0.41389037 7.07908807
 10.7015913 -2.71033471 3.55152023 -6.53825771]
 Sample 9230: [5.62400255 0.42456203 0.06463666 7.52476827 5.26243295
 -1.16852834
 0.89284957 -0.87531856 5.91531417 -9.15806381 0.3639522 7.06965739
 10.67105429 -2.71862667 3.56369882 -6.54630128]
 Sample 9231: [5.57104773 0.49286667 0.05546802 7.55162066 5.26690294
 -1.15996006
 0.90782543 -0.82795429 5.90396084 -9.13947195 0.39278527 7.03357213
 10.75672355 -2.78842639 3.56126885 -6.61202548]
 Sample 9232: [5.69217815 0.48989688 0.04920621 7.51460146 5.24842943
 -1.21554703
 0.93682448 -0.79658184 5.94521244 -9.15645968 0.36040118 6.98517472
 10.81500326 -2.78879279 3.63625814 -6.59259669]
 Sample 9233: [5.69490361 0.50933495 0.05755981 7.52025438 5.19738687
 -1.11886752
 1.05451288 -0.82210116 5.94249321 -9.21076259 0.34375385 7.04386091
 10.89223351 -2.84022208 3.62762625 -6.68396191]
 Sample 9234: [5.70841851 0.49704642 0.04343625 7.57679457 5.17884137
 -1.07469386
 0.97226986 -0.8049641 6.0015892 -9.3263802 0.36331492 6.90653699
 10.88660727 -2.79809422 3.59793912 -6.65122565]

Sample 9235: [5.6923296 0.50099732 0.04954154 7.5795635 5.21031097
 -1.0381075
 1.02206737 -0.8250344 5.96873518 -9.28537026 0.32457284 6.90548117
 10.96926159 -2.76305633 3.51187993 -6.65206207]
 Sample 9236: [5.72702013 0.51970543 0.05198916 7.55806053 5.18062808
 -1.07743068
 1.12385124 -0.82771391 6.02021003 -9.31337521 0.30503067 6.86215267
 11.01584001 -2.7869393 3.5967772 -6.63963598]
 Sample 9237: [5.69812696 0.52627781 0.04885849 7.54636832 5.2409961
 -1.12486832
 1.16515988 -0.84199177 6.07895719 -9.33864957 0.29477436 6.89984572
 11.03449081 -2.7972432 3.57547592 -6.58364458]
 Sample 9238: [5.6074487 0.52124971 0.05134978 7.5507999 5.19174358
 -1.18048387
 1.09389408 -0.85392292 6.12411857 -9.29657446 0.30310584 6.93434072
 11.09611867 -2.75779975 3.54796117 -6.60104411]
 Sample 9239: [5.52799421 0.52683944 0.04819616 7.43538469 5.17021539
 -1.19889951
 1.06750151 -0.83038695 6.11925057 -9.36696882 0.28485494 6.9099426
 11.04598618 -2.63044609 3.67496901 -6.60826618]
 Sample 9240: [5.47210214 0.52090029 0.05239416 7.36404611 5.18442874
 -1.20479057
 1.1402765 -0.83555059 6.17689719 -9.34695847 0.25616708 6.86894701
 11.06735168 -2.60237842 3.6732512 -6.65974007]
 Sample 9241: [5.39282819 0.59357755 0.04485182 7.34204291 5.13525786
 -1.2829955
 1.0855368 -0.78823578 6.16098625 -9.33850322 0.15809402 6.91898583
 11.03745557 -2.63790662 3.66934605 -6.61548087]
 Sample 9242: [5.44950911 0.56346708 0.0443442 7.52102569 5.14933025
 -1.27228701
 1.0935272 -0.79265997 6.16832959 -9.40003492 0.1504083 6.95057871
 11.07060197 -2.78492632 3.67767834 -6.6603521]
 Sample 9243: [5.56715167 0.63043979 0.04238671 7.5674618 5.12132455
 -1.23005732
 1.14119204 -0.77338965 6.14249264 -9.45660275 0.09648543 6.94382697
 11.05361919 -2.77146423 3.62762268 -6.65367031]
 Sample 9244: [5.61976573 0.61849169 0.04035936 7.54896413 5.13302053
 -1.24344219
 1.04088764 -0.77783975 6.11933345 -9.41241637 0.14011874 6.91725299
 11.03972187 -2.71981367 3.6755648 -6.59605614]
 Sample 9245: [5.67397149 0.59573511 0.04376385 7.47155108 5.08092121
 -1.22914745
 1.12036641 -0.78176217 6.12539686 -9.44130631 0.03233073 6.94562077
 11.08699796 -2.71599492 3.74960663 -6.67357682]
 Sample 9246: [5.63317871 0.568558 0.04451013 7.42989185 5.14138153
 -1.15777598
 1.12302257 -0.79201929 6.11587437 -9.45893574 0.05839845 6.88944287
 11.07283974 -2.70504391 3.79031706 -6.68061602]

Sample 9247: [5.67285797 0.51553717 0.05088073 7.43056051 5.16266547
-1.2821871
1.07916204 -0.80757869 6.10539677 -9.42585016 0.05428596 6.8202733
10.93279948 -2.63045298 3.86573746 -6.67631414]
Sample 9248: [5.65392827 0.4952725 0.04808216 7.41166838 5.10232392
-1.35079099
1.0477423 -0.83606386 6.1345087 -9.38230568 0.11804878 6.7805954
10.9078264 -2.66047364 3.88315934 -6.61426549]
Sample 9249: [5.67891012 0.51853838 0.05081801 7.43116773 5.05446486
-1.39057068
1.0075796 -0.79628415 6.17322476 -9.29836272 0.07209465 6.81494105
10.85713694 -2.68539253 3.88681011 -6.62726793]
Sample 9250: [5.72334322e+00 4.76501969e-01 5.35693426e-02 7.53298722e+00
5.07548362e+00 -1.44073650e+00 1.00939717e+00 -8.12085296e-01
6.24641735e+00 -9.35079679e+00 4.67705141e-03 6.74555711e+00
1.08668381e+01 -2.77201605e+00 3.87441455e+00 -6.71513733e+00]
Sample 9251: [5.78410594 0.5266451 0.04820078 7.53177446 5.1076513
-1.39322707
1.04048477 -0.81627139 6.24474502 -9.37792127 0.01553882 6.7385458
10.88762801 -2.7077835 3.86076266 -6.69700863]
Sample 9252: [5.79798026 0.51482723 0.06184298 7.52753119 5.17776224
-1.43653639
1.1210006 -0.78765639 6.15898005 -9.49877113 0.06523802 6.741118
10.84417709 -2.70271461 3.85209492 -6.70468974]
Sample 9253: [5.68665681 0.60026515 0.03888204 7.56482811 5.1833585
-1.47282764
1.12760671 -0.7885015 6.09716614 -9.51062686 0.01231158 6.77268949
10.87657632 -2.69169093 3.82412206 -6.66084999]
Sample 9254: [5.68421178 0.56449681 0.05231319 7.55493651 5.12074644
-1.5018948
1.15233588 -0.7644411 6.05532962 -9.54286677 0.0902173 6.78407831
10.91189429 -2.62328376 3.82107131 -6.69856176]
Sample 9255: [5.69387927 0.53399569 0.04660471 7.46702615 5.13162059
-1.44314305
1.14914572 -0.82191137 6.05924358 -9.52647163 0.0971058 6.71595062
10.91916836 -2.6631098 3.82416954 -6.73449372]
Sample 9256: [5.60435057 0.55665273 0.04572679 7.41383763 5.13018515
-1.43746519
1.18888373 -0.78905883 6.04349092 -9.53073156 0.08557324 6.68347431
10.94566911 -2.74149871 3.84088291 -6.70013976]
Sample 9257: [5.56485297e+00 5.40857859e-01 4.88635152e-02 7.40297951e+00
5.11334261e+00 -1.45045200e+00 1.23617683e+00 -8.19635903e-01
5.99619309e+00 -9.56407920e+00 -2.80681560e-03 6.77454914e+00
1.08788743e+01 -2.69945477e+00 3.82019578e+00 -6.72397146e+00]
Sample 9258: [5.48086798 0.54178327 0.05428672 7.41877134 5.08521429
-1.48686826
1.22744585 -0.80544453 6.00891807 -9.53958864 0.12215348 6.74391057
10.87906558 -2.74242995 3.76642621 -6.71758111]

Sample 9259: [5.42863673 0.57834568 0.04426843 7.45954913 5.11563959
 -1.41470151
 1.18341949 -0.78840112 6.01015785 -9.59515269 0.16774337 6.824958
 10.84771349 -2.75079242 3.85499915 -6.83378104]
 Sample 9260: [5.35375784 0.57484542 0.04677251 7.50073631 5.05632195
 -1.28074487
 1.2447657 -0.74463876 6.08925633 -9.57521416 0.20383694 6.79615396
 10.74413059 -2.65820468 3.92177027 -6.84345625]
 Sample 9261: [5.29608133 0.57151379 0.04765715 7.39253927 4.98948485
 -1.33266185
 1.2647517 -0.77927262 6.166094 -9.57092116 0.20006077 6.85647581
 10.76250915 -2.62500187 3.8895971 -6.9252512]
 Sample 9262: [5.25944863 0.56621915 0.05132937 7.43447169 4.97356549
 -1.31848783
 1.17696311 -0.74427346 6.14902893 -9.59578893 0.22528588 6.77120437
 10.76848985 -2.61947224 3.94536928 -6.87240706]
 Sample 9263: [5.27768994 0.56867426 0.04427703 7.41180758 4.96952275
 -1.41053044
 1.17089064 -0.75822654 6.06829473 -9.59656323 0.25098153 6.69557058
 10.68654651 -2.6507237 3.94265168 -6.9026094]
 Sample 9264: [5.27883348 0.52602663 0.05159122 7.36480859 4.99715453
 -1.3317006
 1.17705253 -0.76861249 6.0452445 -9.64923828 0.27727308 6.64697049
 10.66009511 -2.59211767 3.95915472 -6.82892083]
 Sample 9265: [5.25714989 0.54718452 0.05030023 7.39014061 4.94888229
 -1.29704464
 1.19828145 -0.80919552 6.05850431 -9.64121151 0.30235815 6.58123056
 10.69671564 -2.68979448 3.7841842 -6.88847586]
 Sample 9266: [5.28550232 0.54556497 0.04760627 7.47307406 4.961601
 -1.31600195
 1.18805918 -0.71938273 6.0128108 -9.57020616 0.31258396 6.61208424
 10.66430669 -2.71748866 3.78318266 -6.98493925]
 Sample 9267: [5.27595511 0.58738202 0.04942593 7.42496444 4.91688105
 -1.33649928
 1.16248234 -0.75122428 5.9836875 -9.59439572 0.40281194 6.60440823
 10.69547138 -2.69675258 3.77736152 -7.05327953]
 Sample 9268: [5.25324531 0.50410852 0.04984826 7.46844822 4.85645023
 -1.3110655
 1.15638846 -0.72382484 5.93232504 -9.61843814 0.37579541 6.59738407
 10.70973649 -2.78339399 3.81583009 -7.11599652]
 Sample 9269: [5.32539222 0.49691245 0.05125673 7.49731228 4.90808469
 -1.32297522
 1.04334768 -0.80143375 5.87667729 -9.6021586 0.36217058 6.68956421
 10.74010815 -2.80124938 3.79151652 -7.05381184]
 Sample 9270: [5.28651721 0.53432088 0.04913225 7.52548721 4.87853755
 -1.27767875
 1.09711711 -0.73464055 5.89316583 -9.68352046 0.41134654 6.68247824
 10.70745943 -2.84473924 3.74423354 -7.09775787]

Sample 9271: [5.27673252 0.56357578 0.05172922 7.57014142 4.89622332
-1.26476868
1.06924887 -0.70488034 5.90834688 -9.68767334 0.4388243 6.69575821
10.68660532 -2.86659459 3.79279827 -7.10507265]
Sample 9272: [5.34525657 0.54341786 0.04237888 7.51977976 4.85546432
-1.28671477
1.04847893 -0.73391944 5.8334521 -9.71749841 0.4461852 6.72519061
10.75035802 -2.87090902 3.71898649 -7.07278127]
Sample 9273: [5.29980792 0.56450456 0.0495795 7.47352243 4.88459425
-1.33205839
1.05054821 -0.71511865 5.88109175 -9.80543261 0.40065025 6.7680625
10.76343762 -2.80888117 3.73671566 -7.02471316]
Sample 9274: [5.23395785 0.53727652 0.04617713 7.46448219 4.91900136
-1.30901415
1.07469338 -0.74983552 5.88472941 -9.72272674 0.31636227 6.77157885
10.75775203 -2.83220349 3.75395862 -7.04963149]
Sample 9275: [5.29762398 0.44514782 0.05423275 7.52901213 4.95206973
-1.30412774
0.93191407 -0.77140516 5.89979181 -9.71972497 0.35042996 6.7531742
10.79138196 -2.85906909 3.82707936 -7.06652671]
Sample 9276: [5.32727126 0.52240026 0.04269236 7.57424443 4.97338822
-1.24665986
0.87936554 -0.73342165 5.93234287 -9.69305915 0.37040868 6.64134259
10.88330945 -2.93831191 3.78680321 -7.09958]
Sample 9277: [5.3234219 0.50918506 0.04773431 7.53373316 4.97546206
-1.27747283
0.91330639 -0.74128837 5.9769647 -9.65959368 0.32862523 6.61377534
10.83210804 -2.89553126 3.70890663 -6.99137219]
Sample 9278: [5.37766927 0.47806379 0.05170389 7.44763618 4.94169668
-1.24285638
0.91772788 -0.770237 5.99816418 -9.61486167 0.31536352 6.63732968
10.83104757 -2.85645961 3.71424912 -7.03418315]
Sample 9279: [5.34625355 0.48097244 0.05395472 7.41121464 4.93403535
-1.24281793
0.84415452 -0.7309659 6.00945218 -9.57694733 0.24739923 6.61163648
10.81769477 -2.85133558 3.71645498 -7.0646128]
Sample 9280: [5.29508988 0.52371705 0.04043827 7.3108592 4.87514486
-1.2591396
0.90330762 -0.74269647 5.97122483 -9.52471217 0.1808966 6.64051269
10.83943753 -2.7878022 3.65719771 -7.00154397]
Sample 9281: [5.30268573 0.46929536 0.05267081 7.36945372 4.776115
-1.25612945
0.8843229 -0.73659013 5.88822301 -9.48462333 0.20271755 6.63647702
10.76117677 -2.72836123 3.64927121 -7.06035704]
Sample 9282: [5.30195307 0.4281572 0.05662035 7.41329288 4.73390966
-1.25566685
0.89511733 -0.81400654 5.84748111 -9.46301034 0.20087397 6.6532331
10.77526336 -2.7520539 3.6903861 -7.04949905]

Sample 9283: [5.24523936 0.49041384 0.04268234 7.45415404 4.81060311
 -1.23135458
 0.82755345 -0.73307064 5.8037488 -9.46250571 0.23067168 6.6052922
 10.83167154 -2.71431352 3.76035469 -7.0179528]
 Sample 9284: [5.26794332 0.48146644 0.05517516 7.58288082 4.82447633
 -1.2621213
 0.83088174 -0.74985464 5.79363467 -9.40583555 0.22557325 6.73880337
 10.79125074 -2.72004836 3.66933276 -6.99896997]
 Sample 9285: [5.28014157 0.49568621 0.03648082 7.56962302 4.84738338
 -1.30987195
 0.79965976 -0.74204527 5.76214363 -9.39703535 0.25344452 6.62024443
 10.82533539 -2.68964183 3.70046633 -6.95638905]
 Sample 9286: [5.29164712 0.55591071 0.05026292 7.58818093 4.8304229
 -1.26808208
 0.83265667 -0.71418538 5.83891031 -9.30880468 0.28929749 6.57366106
 10.81857637 -2.63193754 3.68736206 -6.99361122]
 Sample 9287: [5.30048986 0.55918013 0.03475414 7.55786672 4.82941805
 -1.37078204
 0.79641966 -0.70794709 5.83836259 -9.17779451 0.2240516 6.54948709
 10.78908093 -2.59205806 3.65434455 -7.09141429]
 Sample 9288: [5.29011128 0.55960434 0.04965187 7.60517092 4.80614694
 -1.35201437
 0.81807042 -0.70441164 5.84295616 -9.24424147 0.19079585 6.49582
 10.84652752 -2.61831872 3.6891337 -7.07339847]
 Sample 9289: [5.22244794 0.48351987 0.03959959 7.58715924 4.81383714
 -1.29814038
 0.80538316 -0.72614869 5.87954749 -9.21335116 0.18388587 6.50896147
 10.80757602 -2.60327859 3.7436006 -7.11722707]
 Sample 9290: [5.18015776 0.49939698 0.05028202 7.57313929 4.7996933
 -1.35636045
 0.83062971 -0.72588251 5.88152276 -9.28587322 0.20524095 6.47643254
 10.84709096 -2.63156684 3.71072064 -7.08961545]
 Sample 9291: [5.20310613 0.56059288 0.03645331 7.55998318 4.77117646
 -1.38481258
 0.76026712 -0.70259379 5.8705521 -9.25698036 0.14872263 6.50217396
 10.80775426 -2.58729736 3.71877937 -7.05862376]
 Sample 9292: [5.19813326 0.51752014 0.04849058 7.48841315 4.76185862
 -1.47816753
 0.80417964 -0.71211479 5.87293172 -9.24456428 0.16922627 6.54361511
 10.75031154 -2.55489167 3.76185881 -7.08615683]
 Sample 9293: [5.09997456 0.45597165 0.05449262 7.43670695 4.64600127
 -1.4549913
 0.80836757 -0.75411813 5.94384473 -9.34700822 0.21191533 6.5185694
 10.77397431 -2.57658259 3.77715762 -7.04025118]
 Sample 9294: [5.15233979 0.47064441 0.04482878 7.42871107 4.66072647
 -1.48697446
 0.83678716 -0.73830932 5.80291818 -9.40346104 0.21630333 6.45197039
 10.80888325 -2.69080512 3.72830808 -7.09716902]

Sample 9295: [5.15477042 0.46934327 0.05119449 7.44285912 4.62559311
 -1.53828546
 0.79399813 -0.75586054 5.76728491 -9.3060573 0.22102472 6.48766078
 10.80458233 -2.68430037 3.68128762 -7.10312191]
 Sample 9296: [5.1915385 0.42205801 0.05822003 7.39803021 4.60277826
 -1.4436414
 0.83500534 -0.76489004 5.79969444 -9.25214384 0.23447317 6.49698805
 10.82628966 -2.67758756 3.69908975 -7.13369028]
 Sample 9297: [5.21755637 0.47539442 0.05295727 7.3034222 4.6069801
 -1.47420747
 0.77043285 -0.75388711 5.85859265 -9.29656771 0.25513252 6.48338339
 10.76518356 -2.74272619 3.68807338 -7.13607714]
 Sample 9298: [5.32034877 0.41799596 0.05962996 7.27977797 4.5571941
 -1.44628264
 0.8408658 -0.79034 5.92260625 -9.29207363 0.23565052 6.47925828
 10.76407473 -2.77193054 3.66508919 -7.15248143]
 Sample 9299: [5.28515277 0.44476023 0.0532221 7.23505401 4.62285984
 -1.4248884
 0.85338544 -0.7674594 5.9591522 -9.30594654 0.25593042 6.5606051
 10.73397282 -2.85755981 3.70860282 -7.16704208]
 Sample 9300: [5.28302412 0.49303762 0.04514195 7.24961809 4.62654623
 -1.43405518
 0.76461788 -0.69318547 5.98344794 -9.38328172 0.29995761 6.55167864
 10.7714551 -2.86378174 3.74555647 -7.12529006]
 Sample 9301: [5.41321153 0.54094403 0.04298247 7.32125818 4.53668964
 -1.45932269
 0.73554449 -0.72293481 6.018363 -9.41637633 0.30204999 6.51988752
 10.7900486 -2.84723711 3.73594048 -7.0824618]
 Sample 9302: [5.4019448 0.51025173 0.04194882 7.36856299 4.55556467
 -1.50537791
 0.75107652 -0.69052652 6.14928129 -9.47400825 0.26182054 6.6391184
 10.75066139 -2.77432107 3.69740876 -7.08591437]
 Sample 9303: [5.40118268 0.48702017 0.05265451 7.35566487 4.55031859
 -1.51056771
 0.8425672 -0.74535693 6.24531033 -9.471788 0.4393745 6.66137938
 10.72460306 -2.77380871 3.76357328 -7.08451056]
 Sample 9304: [5.42015719 0.46419952 0.05221555 7.4177597 4.51990761
 -1.52006412
 0.80252828 -0.71972818 6.29819261 -9.47624794 0.41592246 6.72543084
 10.75357047 -2.70532525 3.71005461 -7.12963433]
 Sample 9305: [5.43809184 0.36920781 0.05863762 7.36477217 4.5318959
 -1.56968807
 0.67126368 -0.80100867 6.36543681 -9.48052215 0.46531675 6.82379427
 10.8280907 -2.74288979 3.69202927 -7.16966359]
 Sample 9306: [5.39615211 0.36135174 0.06973611 7.22456263 4.60733282
 -1.59313511
 0.76124098 -0.85434347 6.39380541 -9.44597709 0.50031388 6.79955492
 10.75842108 -2.79123607 3.71699474 -7.16878978]

Sample 9307: [5.33810937 0.38895915 0.06894801 7.12710777 4.62270511
 -1.50834984
 0.74133727 -0.77716971 6.37905859 -9.33627003 0.61489986 6.84613578
 10.76111663 -2.85198628 3.63054948 -7.13079218]
 Sample 9308: [5.35142782 0.43661258 0.05646899 7.09120336 4.65974278
 -1.55284502
 0.76969895 -0.79036599 6.41516549 -9.3596397 0.59995561 6.83042893
 10.83052876 -2.77846035 3.57159993 -7.13724584]
 Sample 9309: [5.34429083 0.39988868 0.05756372 7.02013169 4.71523817
 -1.54285342
 0.72454701 -0.78501643 6.4826941 -9.39413507 0.67400581 6.8165346
 10.68781901 -2.82388703 3.48453759 -7.04523467]
 Sample 9310: [5.3884253 0.42275818 0.0576255 6.98884309 4.71914179
 -1.61045979
 0.80034276 -0.76524342 6.45096449 -9.38876345 0.75589511 6.78852516
 10.7187248 -2.71087741 3.46534635 -7.10890126]
 Sample 9311: [5.27448441 0.43896094 0.05774445 6.94091202 4.77459458
 -1.68821498
 0.82126707 -0.77601487 6.43595409 -9.47414738 0.75401602 6.78990974
 10.62993181 -2.71298478 3.49959547 -7.0915896]
 Sample 9312: [5.25074326 0.43750616 0.06105987 6.94713894 4.75876839
 -1.69820245
 0.78095476 -0.74516741 6.43089502 -9.45436659 0.69250824 6.8097239
 10.65450719 -2.69610217 3.48213057 -7.1499468]
 Sample 9313: [5.24494771 0.44911988 0.05068734 6.91725093 4.71528272
 -1.67571532
 0.76094403 -0.72908143 6.45098869 -9.50554979 0.74043972 6.91318288
 10.57032951 -2.7255933 3.49224189 -7.15901133]
 Sample 9314: [5.26213209 0.48320666 0.05103912 6.92088581 4.79485724
 -1.70417754
 0.78665963 -0.71070006 6.38165737 -9.49157481 0.75822734 6.87953248
 10.5815541 -2.69631205 3.44026594 -7.10690117]
 Sample 9315: [5.23217156 0.46780874 0.05112118 6.92051003 4.84805508
 -1.63239228
 0.7523413 -0.72798434 6.39594012 -9.53031975 0.79608158 6.92002207
 10.55872689 -2.7031985 3.53547768 -7.06611455]
 Sample 9316: [5.28079241 0.47420548 0.05271533 7.03063743 4.96511849
 -1.64881373
 0.7570677 -0.71206707 6.40615184 -9.4862583 0.81033659 6.88591343
 10.61321116 -2.64382351 3.61154276 -7.05706461]
 Sample 9317: [5.26930266 0.46179112 0.05230036 7.0096895 5.015488
 -1.70615419
 0.72381003 -0.72997266 6.47258686 -9.53142847 0.86219108 6.93847003
 10.62500901 -2.68081995 3.61218583 -7.12491457]
 Sample 9318: [5.28424869 0.43670729 0.05299202 6.94065275 5.04186122
 -1.73072839
 0.71476441 -0.73815475 6.50876425 -9.57830302 0.81795435 6.97956749
 10.56964162 -2.75826829 3.65314992 -7.1227606]

Sample 9319: [5.22818244 0.48092918 0.05152043 6.99017232 5.0428549
 -1.78853333
 0.79422928 -0.7115445 6.55491792 -9.56390439 0.86440709 6.87179392
 10.59423385 -2.7638569 3.64569746 -7.14256257]
 Sample 9320: [5.25346191 0.44075919 0.04972904 6.98750434 5.05657641
 -1.84988362
 0.76576116 -0.73783332 6.58438328 -9.48224353 0.89804774 6.83603073
 10.56013744 -2.86013888 3.67396843 -7.13791248]
 Sample 9321: [5.306406 0.48333099 0.05405304 7.03123206 5.05620795
 -1.93530608
 0.84895952 -0.73907095 6.61414368 -9.50922903 0.89040612 6.77039108
 10.57945961 -2.8775234 3.62098737 -7.12596489]
 Sample 9322: [5.24938286 0.4515996 0.04892473 7.026065 4.96605196
 -1.86975831
 0.73385174 -0.70243664 6.65137343 -9.56799369 0.89719747 6.75513412
 10.70001072 -3.00377224 3.66073435 -7.15324292]
 Sample 9323: [5.17298333 0.45718128 0.05241758 7.10731969 4.92736917
 -1.76466853
 0.80148364 -0.7562774 6.70238732 -9.50112293 0.86788213 6.79382983
 10.62677093 -3.04956184 3.64350488 -7.15901324]
 Sample 9324: [5.13766003 0.43814216 0.05252962 7.07460118 4.81594939
 -1.75006038
 0.80110243 -0.73635437 6.68147628 -9.50208568 0.90925203 6.77335045
 10.6623451 -3.03252252 3.66506008 -7.21630902]
 Sample 9325: [5.13040457 0.4766914 0.05389602 7.04356368 4.81011412
 -1.7995658
 0.81574876 -0.74122448 6.68252474 -9.48621077 0.88764212 6.70633109
 10.66996505 -3.04874328 3.69969976 -7.08658769]
 Sample 9326: [5.08533675 0.46619294 0.05475089 7.06858712 4.71751029
 -1.76513179
 0.87863164 -0.74134513 6.74557926 -9.4737673 0.85143234 6.7187083
 10.59982832 -3.07235458 3.68161442 -7.09052924]
 Sample 9327: [5.14114592 0.48773298 0.04697258 7.12916679 4.67318912
 -1.76856626
 0.83331927 -0.72113529 6.77532511 -9.44067888 0.86171178 6.71215156
 10.65435385 -3.03165557 3.64994081 -7.10878098]
 Sample 9328: [5.03836234 0.43595663 0.05293422 7.23506879 4.71517897
 -1.73409695
 0.80892148 -0.74353674 6.72055555 -9.43979041 0.83932245 6.63019871
 10.65263477 -3.0108744 3.63034334 -7.15123925]
 Sample 9329: [5.13336877 0.47564502 0.04293618 7.23842942 4.70718906
 -1.75039923
 0.92611106 -0.73958996 6.65855698 -9.47500907 0.91464567 6.59995327
 10.6048331 -3.05030866 3.61732093 -7.22570863]
 Sample 9330: [5.06215548 0.46990025 0.05635658 7.2305466 4.77290422
 -1.67516662
 0.95221975 -0.73973489 6.67238452 -9.53555246 0.84175269 6.59884191
 10.62145401 -2.99230094 3.56755921 -7.16196804]

Sample 9331: [5.10386847 0.48796217 0.06017848 7.1951988 4.74970288
 -1.64267569
 0.98312631 -0.73420858 6.66635145 -9.50194906 0.80235648 6.67101122
 10.6725298 -2.99963251 3.50294632 -7.17252866]
 Sample 9332: [5.08004256 0.49381772 0.05141536 7.2148219 4.74488668
 -1.61922028
 0.99014561 -0.73114789 6.66597993 -9.50306849 0.83206308 6.64283221
 10.72891383 -3.04621193 3.47887039 -7.21947668]
 Sample 9333: [5.08182394 0.49257902 0.04844179 7.19607986 4.77387592
 -1.6142582
 0.98712868 -0.74117617 6.65842006 -9.46414397 0.66682565 6.66316186
 10.67973354 -3.03765649 3.40380086 -7.15904275]
 Sample 9334: [5.02774193 0.55238857 0.05075576 7.23302843 4.77529163
 -1.57339644
 1.04104563 -0.70442965 6.68822364 -9.42547694 0.71699544 6.64376722
 10.66681236 -3.08037078 3.46816146 -7.12456513]
 Sample 9335: [4.95293309 0.53891112 0.05233384 7.22393809 4.79029207
 -1.55806621
 1.06607111 -0.72670862 6.65310658 -9.44642513 0.74746328 6.57402466
 10.56344534 -3.07255695 3.44260998 -7.01065498]
 Sample 9336: [4.94482184 0.54415602 0.04201285 7.15404865 4.81822767
 -1.55750545
 1.09200877 -0.72611036 6.6574835 -9.39492644 0.7648402 6.59030687
 10.53375556 -2.93516187 3.47253054 -7.02944042]
 Sample 9337: [4.86634094 0.47711401 0.04973388 7.16676507 4.82368657
 -1.61009645
 1.04326582 -0.76627023 6.62797113 -9.35765627 0.70473769 6.51155487
 10.56841226 -2.89705231 3.47162206 -7.03298701]
 Sample 9338: [4.85156282 0.49825238 0.05451013 7.15880373 4.86154637
 -1.55930781
 1.05539907 -0.76335226 6.60412085 -9.35092322 0.62046948 6.50538755
 10.5964216 -2.89371242 3.46002128 -7.08630323]
 Sample 9339: [4.91242158 0.49303684 0.05170202 7.2165024 4.84927583
 -1.50999527
 1.07882702 -0.74221546 6.54730199 -9.30961999 0.57597879 6.568477
 10.56935553 -2.92440126 3.4677682 -7.13207904]
 Sample 9340: [4.9672298 0.57022945 0.05461105 7.19326211 4.79706442
 -1.47774436
 1.05074583 -0.68966873 6.51342852 -9.21735671 0.60224476 6.5115587
 10.49584575 -2.92540947 3.47316448 -7.05449514]
 Sample 9341: [4.97683702 0.53267386 0.05561838 7.28571601 4.78726864
 -1.53155846
 1.095853 -0.72683401 6.51310602 -9.18849596 0.52390611 6.4609712
 10.49538577 -2.93759352 3.47034955 -7.06419405]
 Sample 9342: [4.91188759 0.51250663 0.04880554 7.36706238 4.79181579
 -1.45630083
 1.10631067 -0.73734599 6.50010803 -9.21314885 0.50888178 6.40113064
 10.56298339 -2.94025858 3.4498943 -7.04797015]

Sample 9343: [5.00637733 0.50987648 0.04951814 7.35784831 4.75817456
 -1.37704159
 1.0778339 -0.74461994 6.56474014 -9.11696584 0.50731572 6.36491644
 10.62973337 -2.91395018 3.34868654 -7.1059121]
 Sample 9344: [4.93661245 0.55940622 0.04909222 7.25857431 4.76861229
 -1.39897905
 1.03284633 -0.68863687 6.50985715 -9.13984907 0.53973543 6.3551997
 10.64033456 -2.85211887 3.29530408 -7.1435573]
 Sample 9345: [5.00123338 0.5224828 0.04385423 7.27953564 4.70298562
 -1.41556064
 1.00345291 -0.7308739 6.47905838 -9.16686186 0.52021187 6.30310567
 10.70995402 -2.81162321 3.24797772 -7.12569776]
 Sample 9346: [4.9823637 0.51789869 0.04167622 7.27334574 4.7000916
 -1.47031297
 0.93531998 -0.71106352 6.44763409 -9.20726333 0.61368998 6.23919464
 10.83615743 -2.82105886 3.22777989 -7.14973088]
 Sample 9347: [4.94106535 0.48820215 0.05238385 7.17971643 4.64042374
 -1.40969224
 0.96393544 -0.75251535 6.44711139 -9.23340336 0.63725818 6.2234933
 10.87470059 -2.76188709 3.17234499 -7.16587925]
 Sample 9348: [4.86251064 0.50039389 0.04757137 7.24178586 4.6656881
 -1.38952407
 0.99867486 -0.74015565 6.37059986 -9.24232776 0.60722718 6.23324471
 10.90066284 -2.8119114 3.13756222 -7.03550095]
 Sample 9349: [4.82308611 0.51406785 0.04917495 7.23671603 4.67929016
 -1.36967771
 1.0110692 -0.75391327 6.31906974 -9.32569321 0.64635264 6.26104284
 10.79463527 -2.84415076 3.12012218 -7.02713826]
 Sample 9350: [4.83352262 0.55345742 0.04370487 7.2133431 4.61130469
 -1.45134624
 1.00421622 -0.70806253 6.35879955 -9.30493374 0.59079371 6.1932271
 10.80410252 -2.79713746 3.21128457 -7.03460874]
 Sample 9351: [4.77659615 0.60683121 0.0407825 7.26256599 4.56841966
 -1.49438239
 0.97240141 -0.70723128 6.3754631 -9.24006633 0.67450668 6.19190462
 10.76328638 -2.84447657 3.20586151 -7.10649522]
 Sample 9352: [4.78005332 0.52817587 0.04725584 7.37810219 4.58257928
 -1.49146151
 0.97734136 -0.71513532 6.36127766 -9.29579808 0.59473294 6.23408409
 10.72935485 -2.8619819 3.22520434 -7.00530416]
 Sample 9353: [4.66042534 0.53896354 0.04331316 7.37474634 4.5910718
 -1.44920277
 1.00930728 -0.75467057 6.38307582 -9.31751299 0.56801081 6.22966624
 10.80161105 -2.89547402 3.26820794 -6.95691885]
 Sample 9354: [4.66905889 0.50003708 0.05393161 7.42311824 4.52291077
 -1.40731175
 1.01719613 -0.75333197 6.49084127 -9.41031489 0.54036752 6.20449633
 10.80170039 -2.94422516 3.27374787 -6.97876102]

Sample 9355: [4.71759029 0.57019258 0.0400503 7.55122149 4.56928143
-1.48621432
1.04864094 -0.73519662 6.48170458 -9.37708635 0.61969108 6.18810388
10.82025395 -2.96941483 3.26877544 -6.9329439]
Sample 9356: [4.66551957 0.59060724 0.04816098 7.51006084 4.59205972
-1.53999429
1.12784011 -0.7386962 6.4345647 -9.37196977 0.54277054 6.23607675
10.88793394 -2.86875797 3.31151855 -6.91823018]
Sample 9357: [4.70798749 0.60554925 0.04160642 7.58461923 4.61323909
-1.5922855
1.16999997 -0.73304395 6.5096862 -9.37425552 0.45131832 6.18951471
10.88642392 -2.89340714 3.35735028 -6.97628334]
Sample 9358: [4.68437585 0.63279709 0.04230652 7.53750409 4.61607527
-1.58881414
1.18563765 -0.71287806 6.54229722 -9.25636899 0.46674003 6.1146021
10.86811882 -2.84663339 3.36078959 -7.04455429]
Sample 9359: [4.75846025 0.5677375 0.04902647 7.60013297 4.57924186
-1.62350783
1.21525467 -0.73369263 6.52488173 -9.30544968 0.43949765 6.02535534
10.84666419 -2.85386465 3.30489544 -7.06963386]
Sample 9360: [4.76207997 0.60788496 0.04098876 7.63626954 4.50733208
-1.59398032
1.17393117 -0.72044152 6.55686108 -9.28673389 0.51243343 6.01934356
10.76049243 -2.87864608 3.37547054 -6.99376625]
Sample 9361: [4.81240706 0.55100983 0.0484155 7.60489125 4.61615153
-1.49763552
1.21228037 -0.74291764 6.45200789 -9.30756859 0.51082949 6.04648544
10.72059395 -2.89706548 3.4252575 -6.96091587]
Sample 9362: [4.74919109 0.54588882 0.04399855 7.49904372 4.56688079
-1.5171464
1.16555595 -0.76844041 6.44531555 -9.32815843 0.42265414 5.98689812
10.8071431 -2.8852289 3.42439223 -6.88322287]
Sample 9363: [4.74205011 0.52050389 0.04714081 7.54387219 4.54729615
-1.49539292
1.1403155 -0.76388165 6.4082686 -9.45716076 0.47443602 5.95114347
10.76783427 -2.89517288 3.38868677 -6.9169454]
Sample 9364: [4.69023858 0.47737727 0.05833382 7.53681015 4.51992166
-1.51578517
1.1703414 -0.83796015 6.34102607 -9.35904073 0.45597092 6.02069344
10.76771098 -2.8998686 3.32118221 -6.85676112]
Sample 9365: [4.6742593 0.50316803 0.05188125 7.48310332 4.53300649
-1.58784802
1.11119135 -0.78169269 6.33738306 -9.27072938 0.43164782 6.05599275
10.80992382 -2.91502323 3.27739698 -6.86476613]
Sample 9366: [4.66255494 0.52598248 0.0495996 7.55837768 4.55192262
-1.63373546
1.08747172 -0.790996 6.37154105 -9.21617558 0.40913729 6.1791167
10.88346739 -2.90407187 3.34452703 -6.81249311]

Sample 9367: [4.60298828 0.46344361 0.06436442 7.51519242 4.49319053
 -1.69460155
 1.08313648 -0.81991022 6.37406941 -9.25153134 0.35773196 6.13015208
 10.89231418 -2.92809916 3.47544004 -6.86421818]
 Sample 9368: [4.63295671 0.52268313 0.04738109 7.49298349 4.53388546
 -1.62306996
 1.16314749 -0.84278447 6.40528441 -9.14835622 0.39282054 6.13421784
 10.91959841 -2.88944029 3.44840662 -6.7633708]
 Sample 9369: [4.56753853 0.56999545 0.05397582 7.56720881 4.5502857
 -1.67243578
 1.2173867 -0.75140594 6.43534926 -9.17834601 0.42473694 6.10411198
 10.96247304 -3.00584108 3.38879977 -6.74673697]
 Sample 9370: [4.4922143 0.58659325 0.04068272 7.63341829 4.59906799
 -1.71819459
 1.16758561 -0.80000356 6.36336399 -9.17422728 0.38550731 6.23297634
 10.97453417 -3.08062506 3.45457553 -6.76749724]
 Sample 9371: [4.51811078 0.534993 0.05434358 7.57957195 4.57201184
 -1.82801088
 1.16523887 -0.77085727 6.37617093 -9.15988904 0.37581895 6.2338103
 10.95265592 -3.11391953 3.37403388 -6.68705266]
 Sample 9372: [4.55042628 0.60252837 0.04434266 7.67482895 4.64157705
 -1.78440502
 1.27009204 -0.79382496 6.38023332 -9.24225829 0.39751747 6.17400343
 10.87705156 -3.11171617 3.42553177 -6.74240659]
 Sample 9373: [4.4963014 0.54186688 0.05711659 7.7197267 4.65998303
 -1.74598638
 1.25405634 -0.78218635 6.32324747 -9.15178746 0.39381413 6.07701073
 10.85983564 -3.19675741 3.41941187 -6.71130557]
 Sample 9374: [4.54567539 0.64411907 0.03991403 7.70409787 4.67986467
 -1.7248242
 1.33583949 -0.77077919 6.35624754 -9.1119907 0.36803414 6.07696511
 10.85406328 -3.17240626 3.4683992 -6.71111819]
 Sample 9375: [4.51344867 0.56908774 0.05064471 7.7789315 4.74311305
 -1.79732916
 1.33875335 -0.77576398 6.36934859 -9.11228981 0.3677981 6.12009447
 10.83422137 -3.21794438 3.52659592 -6.75491889]
 Sample 9376: [4.511555 0.57811497 0.04831734 7.74068816 4.78558241
 -1.76606481
 1.3012569 -0.81196434 6.23460098 -9.08491269 0.36760659 6.03697589
 10.87008973 -3.25102934 3.59624369 -6.82433803]
 Sample 9377: [4.43259425 0.58958726 0.04492278 7.8158059 4.85515296
 -1.76845721
 1.26569369 -0.72794032 6.26082284 -9.13754675 0.25670061 6.01458723
 10.82269435 -3.27620148 3.60556897 -6.83746663]
 Sample 9378: [4.31979127 0.52672795 0.05954654 7.9559466 4.90101479
 -1.80118846
 1.33364573 -0.82795236 6.21466756 -9.21372991 0.26504848 5.96067567
 10.86640846 -3.34659522 3.62469494 -6.89093775]

Sample 9379: [4.32188833 0.5719562 0.05544489 7.90313161 4.89787606
-1.79073848
1.39901894 -0.78448745 6.24857812 -9.20342675 0.18969594 5.98144687
10.80679193 -3.3508525 3.6575866 -6.85911604]
Sample 9380: [4.31985982 0.58564737 0.0582692 7.97053579 4.86971301
-1.77967548
1.49765998 -0.82240163 6.22125188 -9.15456943 0.18758614 5.95423487
10.78080266 -3.40200144 3.66649592 -6.84824151]
Sample 9381: [4.24986417 0.56933679 0.05121556 7.96833473 4.97063165
-1.82197576
1.44623952 -0.77844732 6.17917283 -9.17366772 0.24145176 5.91289114
10.66435948 -3.32330019 3.68807962 -6.90659265]
Sample 9382: [4.20497455 0.57229984 0.05641338 7.91416426 4.98288106
-1.81743863
1.43804447 -0.76473533 6.19242888 -9.19166462 0.15009175 5.92174135
10.59317006 -3.29240973 3.67528692 -6.91631384]
Sample 9383: [4.29110188 0.60486785 0.05246714 7.95871314 4.92554014
-1.76796914
1.46231916 -0.75701317 6.20982443 -9.19884776 0.26094048 5.9227465
10.60980968 -3.25167017 3.70604127 -6.8984342]
Sample 9384: [4.26187347 0.59027115 0.05077017 7.86818317 4.86959059
-1.84132525
1.38978219 -0.75443048 6.31347294 -9.17024974 0.30486271 5.91736719
10.61354081 -3.17665572 3.77135691 -6.90940495]
Sample 9385: [4.25070235 0.6098957 0.04546331 7.900006 4.77562117
-1.86223966
1.43373114 -0.73619579 6.34289985 -9.19627859 0.29966197 5.92983855
10.58193573 -3.20371145 3.85077219 -6.87413514]
Sample 9386: [4.22532771 0.66019719 0.0486442 7.83985591 4.81370562
-1.87972064
1.48293191 -0.73889723 6.30334403 -9.20029006 0.32171496 5.81511215
10.62716289 -3.19012262 3.87024577 -6.86097574]
Sample 9387: [4.21194486 0.62706311 0.04207003 7.80218373 4.70359659
-1.85821859
1.49714622 -0.74282383 6.33451977 -9.18831939 0.37278554 5.8316464
10.56856112 -3.11213446 3.83130418 -6.79092478]
Sample 9388: [4.19267135 0.584764 0.05700326 7.78655038 4.72470283
-1.91099217
1.58957566 -0.79826639 6.39028052 -9.29538277 0.38043204 5.82976336
10.62918574 -3.09926123 3.79483723 -6.83315535]
Sample 9389: [4.21192878 0.5983169 0.0557238 7.75059105 4.77881685
-1.95539356
1.53850365 -0.7788611 6.39191206 -9.19150521 0.36079921 5.89245422
10.59335956 -3.10631231 3.76737683 -6.82990361]
Sample 9390: [4.1804963 0.63717759 0.04654159 7.77472674 4.88491316
-1.97967551
1.5238129 -0.76707058 6.35857497 -9.06481919 0.32837911 5.85663465
10.61622709 -3.07062134 3.72139588 -6.76523223]

Sample 9391: [4.28052357 0.61431247 0.05249083 7.85698102 4.94959856
 -1.88177701
 1.60034815 -0.77612353 6.4095598 -9.05802188 0.25708029 5.81646306
 10.60238537 -3.05766545 3.7408133 -6.7645561]
 Sample 9392: [4.31596037 0.61583621 0.05489883 7.88276367 4.9709021
 -1.88980833
 1.57612759 -0.78584178 6.51292455 -9.1270129 0.25492161 5.76593128
 10.55537964 -2.99148749 3.76223118 -6.75778812]
 Sample 9393: [4.33290822 0.61772207 0.0550022 7.94035505 4.92652361
 -1.9446166
 1.58138034 -0.79356081 6.59141123 -9.10844612 0.2468024 5.79698093
 10.55063789 -2.92667389 3.81139845 -6.84545523]
 Sample 9394: [4.40835089 0.58577361 0.06232544 7.94391927 4.94285582
 -2.02296244
 1.60484638 -0.76031128 6.61834802 -9.14725905 0.25314035 5.85113375
 10.50792864 -2.96428906 3.8123198 -6.89830018]
 Sample 9395: [4.38925997 0.622722 0.05559391 7.92499208 5.04065762
 -1.92672068
 1.6120737 -0.79553436 6.65508394 -9.14240804 0.19907481 5.89265667
 10.4943457 -2.98198277 3.89147747 -6.87878942]
 Sample 9396: [4.38658804 0.6467834 0.04716851 7.93388649 4.98047342
 -1.84180389
 1.55019668 -0.71482974 6.67297658 -9.13961508 0.15717468 5.87554273
 10.49181615 -3.01666094 3.92027061 -6.81559586]
 Sample 9397: [4.45792339 0.62307261 0.0436143 8.0028854 4.89484704
 -1.81394705
 1.52021015 -0.77995329 6.63714465 -9.09082753 0.13249936 5.82550932
 10.600784 -2.97013932 3.95342329 -6.84317809]
 Sample 9398: [4.50165464 0.61968217 0.04443112 8.0472402 4.872387
 -1.75784151
 1.49620789 -0.74166252 6.63933373 -9.02557124 0.13637199 5.8439105
 10.66134603 -2.90758716 3.94879055 -6.7670908]
 Sample 9399: [4.44715482 0.66680608 0.04424015 8.06324637 4.84102973
 -1.78482795
 1.60158719 -0.77968718 6.63442511 -9.06494442 0.23961788 5.90022576
 10.63599264 -3.08256772 3.91120744 -6.74404778]
 Sample 9400: [4.53240247 0.57043285 0.05397883 8.10857394 4.7726067
 -1.83911048
 1.6401216 -0.80379532 6.62469 -9.05055303 0.31495476 5.84900015
 10.66588216 -3.03023756 4.00530737 -6.83580101]
 Sample 9401: [4.56789617 0.59057058 0.05247755 8.11368376 4.77574285
 -1.85505008
 1.52247619 -0.8306491 6.57033989 -9.08703453 0.28866172 5.90925939
 10.59154594 -3.1029587 4.01150562 -6.71204823]
 Sample 9402: [4.69515572 0.61130544 0.04685994 8.09403668 4.74985797
 -1.95061739
 1.50333712 -0.75063538 6.55168888 -9.1655506 0.2498777 5.92202023
 10.55341737 -3.09346826 3.96122408 -6.73808037]

Sample 9403: [4.68121546 0.60027485 0.05633578 8.05870543 4.76025514
 -1.85442184
 1.45642119 -0.78659758 6.55224858 -9.04734563 0.25527819 5.99205764
 10.57469696 -3.15700336 3.99501036 -6.78814538]
 Sample 9404: [4.67303965 0.57634608 0.05107083 7.97446932 4.679671
 -1.91779401
 1.40178236 -0.75992787 6.59708201 -9.01898487 0.35034679 5.96046487
 10.62076394 -3.15867558 4.06328592 -6.77331794]
 Sample 9405: [4.68357282 0.59665482 0.0494228 8.06899693 4.63857983
 -1.99767255
 1.33231415 -0.77942984 6.60411504 -8.95445955 0.45827196 5.92280514
 10.5871318 -3.10968266 4.02740349 -6.77931045]
 Sample 9406: [4.64266375 0.58314843 0.0458821 8.04214438 4.65819927
 -1.96112303
 1.28957848 -0.73717702 6.68448463 -8.99964512 0.37278468 5.85953675
 10.6255927 -3.08953682 4.03642241 -6.75832088]
 Sample 9407: [4.64192376 0.57943395 0.05192048 8.14155758 4.65362983
 -1.99650064
 1.25753303 -0.77249698 6.71046977 -9.06311927 0.4610117 5.87969612
 10.4972057 -3.0806742 3.96756969 -6.73141975]
 Sample 9408: [4.55115981 0.54920152 0.0503736 8.2206601 4.75446464
 -2.04054129
 1.27253716 -0.75957027 6.68285031 -9.07388035 0.41757691 5.89450011
 10.48095058 -3.08443055 3.98057342 -6.67515076]
 Sample 9409: [4.59259972 0.55556662 0.05821345 8.26747958 4.67466908
 -2.08994827
 1.24746247 -0.79369769 6.75034244 -9.06091318 0.43614625 5.88547748
 10.43230541 -3.1338119 3.92074408 -6.60916039]
 Sample 9410: [4.56481381 0.52995692 0.04973897 8.18401299 4.66292734
 -2.10846059
 1.1937271 -0.77389966 6.69570426 -8.98299848 0.35871456 5.98023806
 10.43205612 -2.98332363 3.90450526 -6.63197492]
 Sample 9411: [4.53601471 0.5504816 0.05114894 8.15148262 4.6703391
 -2.03237489
 1.12251982 -0.78563113 6.71881219 -8.98640558 0.35929497 6.00191526
 10.54900355 -2.97062387 3.96015067 -6.57489219]
 Sample 9412: [4.44037406 0.52188756 0.04871756 8.10633426 4.65122813
 -2.04247383
 1.11473618 -0.79271687 6.57998736 -9.03736368 0.42018052 6.02426618
 10.61242518 -2.92321203 3.91469025 -6.54829574]
 Sample 9413: [4.43268488 0.53531812 0.04241101 8.10006667 4.64229883
 -2.08266907
 1.10853583 -0.8258623 6.56119923 -9.02186365 0.43528025 6.01228604
 10.63778668 -3.00134381 3.9315064 -6.38706468]
 Sample 9414: [4.51436515 0.51572216 0.04740033 8.12671025 4.59545603
 -2.10283381
 1.03799632 -0.8214904 6.48705383 -8.93122081 0.4508305 6.0171111
 10.6528467 -2.95415754 3.9187476 -6.40685985]

Sample 9415: [4.51546006 0.53666385 0.04738214 8.07793708 4.63581498
 -2.18897213
 1.05552859 -0.80844273 6.43311716 -8.95533724 0.418766 6.05449015
 10.73131369 -2.93536514 3.89127759 -6.44121505]
 Sample 9416: [4.53762353 0.52161902 0.04807389 8.0970529 4.59355344
 -2.22108843
 1.06953717 -0.80927295 6.44137206 -8.97903399 0.3735736 6.13846171
 10.72873663 -2.9521115 3.93927651 -6.46942545]
 Sample 9417: [4.54083165 0.57374071 0.04854795 8.04596537 4.68708312
 -2.15298072
 1.11575817 -0.7898236 6.46748563 -9.00518543 0.38203784 6.13094898
 10.63461625 -2.83322228 3.95114127 -6.40738402]
 Sample 9418: [4.48081156 0.53909169 0.04768917 8.050538 4.61092041
 -2.13820514
 1.1322858 -0.81270059 6.4506314 -8.92972319 0.38959601 6.04671968
 10.6664452 -2.8174969 3.92562363 -6.38581457]
 Sample 9419: [4.46275629 0.54103018 0.0478667 8.11314494 4.68424823
 -2.10833321
 1.12583801 -0.81025191 6.47766464 -8.87875982 0.46684681 6.00390629
 10.72640297 -2.84232081 3.967486 -6.41101123]
 Sample 9420: [4.44267803 0.48458615 0.05245295 8.12040345 4.64220226
 -2.07250898
 1.04891333 -0.84483708 6.43025388 -8.85261927 0.39040417 6.12141404
 10.74295041 -2.85210772 3.99319638 -6.45218517]
 Sample 9421: [4.41151802 0.51101088 0.04823002 8.06042457 4.63422891
 -2.06308469
 0.98081749 -0.80112461 6.44982996 -8.77153505 0.33650381 6.14355343
 10.73406934 -2.76863345 4.07770323 -6.46576048]
 Sample 9422: [4.3942534 0.55259527 0.04675759 8.10058871 4.56905369
 -2.01964317
 0.96970699 -0.79034026 6.44929146 -8.79891471 0.38087024 6.09295939
 10.79076483 -2.75616675 4.05492787 -6.47548689]
 Sample 9423: [4.49384915 0.47183582 0.05924802 8.12580732 4.56633123
 -1.97415743
 1.02667239 -0.82803235 6.53046386 -8.81116043 0.37570499 6.03163895
 10.70713512 -2.81768535 4.02822342 -6.46752783]
 Sample 9424: [4.45233189 0.4841949 0.06087489 8.19872294 4.57562506
 -1.88501313
 1.08291483 -0.87762033 6.55716029 -8.79948287 0.32085539 5.99173851
 10.72559552 -2.86802302 4.08837929 -6.37452036]
 Sample 9425: [4.43316064 0.48047389 0.05067159 8.18464492 4.6060553
 -1.87735412
 1.04841613 -0.81588316 6.47456097 -8.79271946 0.34964553 6.03177911
 10.67524212 -2.88803528 4.1136503 -6.38403946]
 Sample 9426: [4.42980977 0.54539697 0.05026569 8.14577536 4.65739971
 -1.84495335
 1.02792832 -0.81480598 6.56120933 -8.82568904 0.38514116 6.00178664
 10.64575781 -2.86233343 4.11705551 -6.40097769]

Sample 9427: [4.38498782 0.51010251 0.0605563 8.10156644 4.65155902
 -1.84348423
 1.06701723 -0.80165675 6.6489743 -8.90689274 0.39061895 6.02619155
 10.63105802 -2.94943487 4.1028699 -6.41327114]
 Sample 9428: [4.36802992 0.51428627 0.05087777 8.08887734 4.64913654
 -1.88839776
 0.98434184 -0.79927878 6.65862983 -8.96543552 0.45901309 6.04299407
 10.4979757 -2.97366628 4.11354241 -6.50966621]
 Sample 9429: [4.37219987 0.48333237 0.05454921 8.16956791 4.65780836
 -1.97281432
 1.00634398 -0.79061321 6.62518288 -8.97799962 0.46223028 6.05532128
 10.51043412 -2.98662585 4.03690829 -6.52445675]
 Sample 9430: [4.35798556 0.52345607 0.04860925 8.14373895 4.70545608
 -1.99267568
 0.97477356 -0.78184175 6.59657671 -8.97516996 0.48638889 6.02593583
 10.41279512 -2.9240819 3.9743265 -6.56962144]
 Sample 9431: [4.41266922 0.5119738 0.04895082 8.20829647 4.6829023
 -1.96432055
 1.02675264 -0.7611196 6.69147653 -8.92976765 0.6037264 6.02331062
 10.43624121 -2.98640563 3.93863256 -6.54232059]
 Sample 9432: [4.37452269 0.51341909 0.05217281 8.27361606 4.6751675
 -1.92976912
 1.02572434 -0.79670344 6.69760649 -8.89517423 0.66422946 6.01299623
 10.45133544 -2.94961222 3.88841945 -6.58789918]
 Sample 9433: [4.28656053 0.52275292 0.04929541 8.22674104 4.73536856
 -1.91394399
 1.02480357 -0.7685246 6.67775656 -8.77018356 0.72538519 5.92190382
 10.53783036 -2.92553398 3.8521269 -6.60608038]
 Sample 9434: [4.30707385 0.43755524 0.06363826 8.25345648 4.68470816
 -1.88898715
 1.07816474 -0.86465788 6.75594301 -8.79212095 0.86079611 5.94769284
 10.55156542 -2.98879441 3.86459583 -6.61510417]
 Sample 9435: [4.27673004 0.47424021 0.05896862 8.28449613 4.70654929
 -1.93320294
 1.13244995 -0.83498069 6.6482797 -8.85537668 0.88703007 5.89978728
 10.56354807 -2.99029103 3.86715537 -6.6173536]
 Sample 9436: [4.2063797 0.52952282 0.05305913 8.3011838 4.7475634
 -1.93310373
 1.15097118 -0.78270324 6.62347277 -8.86618563 0.85176497 5.87571765
 10.55428988 -2.9047903 3.92875909 -6.57531277]
 Sample 9437: [4.12342256 0.52607733 0.04881683 8.2573195 4.7352987
 -1.99396994
 1.11614327 -0.81355946 6.56337985 -8.95489229 0.8684519 5.94508504
 10.53929415 -2.82851631 3.90020545 -6.51979891]
 Sample 9438: [4.15993603 0.54340813 0.04759975 8.29551124 4.76886466
 -1.98625803
 1.1139108 -0.78790151 6.50355292 -8.91761968 0.85238639 5.83794047
 10.59259528 -2.82854278 3.95449924 -6.56762128]

Sample 9439: [4.10855906 0.53011479 0.04982107 8.36476768 4.84388443
 -1.98727521
 1.05845138 -0.7836096 6.5066103 -8.9322723 0.78216689 5.85361916
 10.62036364 -2.82224968 3.9398048 -6.46986561]
 Sample 9440: [4.07489591 0.52679068 0.04435312 8.49491128 4.94861783
 -1.94296152
 1.05892513 -0.80197196 6.48783193 -8.91382196 0.84186846 5.91866337
 10.65742756 -2.90151592 4.01521334 -6.52693364]
 Sample 9441: [4.1352881 0.5620535 0.04694274 8.48559901 5.00523113
 -1.90266858
 1.05733306 -0.76117551 6.46477417 -8.93996809 0.81694 5.96946823
 10.56114671 -2.93691043 4.06393649 -6.48862911]
 Sample 9442: [4.18314524 0.58293176 0.04453304 8.49722529 5.04772395
 -1.88526944
 1.00291805 -0.77144869 6.4505781 -9.00719159 0.87259492 5.99708746
 10.56497991 -2.94620371 4.06024382 -6.49045937]
 Sample 9443: [4.18071781 0.55045434 0.04941447 8.50495794 5.08326028
 -1.87009431
 1.10333777 -0.76973926 6.45966205 -8.96362036 0.94989884 6.05990618
 10.62582624 -2.96830862 4.09023014 -6.53178088]
 Sample 9444: [4.0857395 0.54099395 0.04498793 8.50286458 5.01100648
 -1.91294783
 1.0522202 -0.79766661 6.47965067 -9.03627031 0.94931328 6.1108249
 10.61847649 -2.98425238 4.07152272 -6.50973077]
 Sample 9445: [4.24324008 0.48778429 0.05167149 8.57329935 5.05600928
 -1.89541778
 0.98502075 -0.79022591 6.48984135 -9.0181885 0.94963623 6.1189295
 10.62401187 -3.02644455 3.97064473 -6.569873]
 Sample 9446: [4.24307255 0.49843622 0.05291393 8.6050865 5.01746646
 -1.88214867
 0.9243242 -0.81712015 6.5250433 -9.01951138 0.91431339 6.06602891
 10.63931723 -3.0642461 3.96247349 -6.48648741]
 Sample 9447: [4.25213632 0.50350812 0.04446053 8.59888557 5.00075557
 -1.91579212
 0.96847024 -0.78952821 6.54904083 -9.04975986 0.9278239 6.08824058
 10.63632183 -3.00989806 3.9603669 -6.42333236]
 Sample 9448: [4.26642632 0.45553311 0.05659523 8.60913634 5.05325417
 -1.86195523
 0.89320642 -0.86515142 6.6083299 -9.05100314 0.94676091 6.11123842
 10.59515247 -2.99928756 3.93451931 -6.40621252]
 Sample 9449: [4.3769909 0.46894865 0.05507588 8.58163275 5.09718475
 -1.88528251
 0.95251321 -0.85801524 6.55100012 -9.06079592 0.99257286 5.97348097
 10.62368396 -2.96661331 3.93795467 -6.41807951]
 Sample 9450: [4.34158348 0.47244158 0.05497303 8.5975061 5.15581974
 -1.89820676
 0.88501559 -0.79273196 6.49351473 -9.06682747 0.97481496 5.99854588
 10.61331634 -2.92391811 3.94927177 -6.40449669]

Sample 9451: [4.3344164 0.46619941 0.05457429 8.61121338 5.19310187
 -1.8775666
 0.81079095 -0.84003358 6.5497052 -9.08079145 0.96295055 5.99810944
 10.63305419 -3.02603461 4.00198946 -6.33716437]
 Sample 9452: [4.27770518 0.46540579 0.05050432 8.62499159 5.073851
 -1.88543748
 0.79103482 -0.79247683 6.58192644 -9.0565321 1.02972039 6.01853646
 10.51659342 -3.02479874 4.07864776 -6.26917011]
 Sample 9453: [4.32714942 0.44020581 0.05484159 8.51159357 5.14320914
 -1.91449913
 0.79917876 -0.86612103 6.50769353 -9.10380971 1.06735959 5.93077978
 10.51723322 -3.1439047 4.00879069 -6.2314528]
 Sample 9454: [4.27873595 0.45068269 0.05428242 8.53223344 5.13624523
 -1.97667241
 0.83569903 -0.82509568 6.49405094 -9.11641419 1.0789053 5.86039177
 10.4978592 -3.06088419 4.05539312 -6.26795206]
 Sample 9455: [4.2664034 0.45430681 0.05260721 8.50063551 5.20300683
 -1.94606136
 0.75219712 -0.82063434 6.47927214 -9.07527357 1.08371363 5.88098436
 10.55847156 -3.17864722 4.06233644 -6.31339357]
 Sample 9456: [4.28202572 0.43872302 0.04650487 8.47072493 5.07083758
 -1.94441932
 0.76968505 -0.83546271 6.52780686 -9.08046211 1.0612435 5.85021538
 10.505706 -3.10910378 4.08735256 -6.36012881]
 Sample 9457: [4.2646367 0.38051172 0.06195256 8.51675983 5.08164153
 -1.8582212
 0.74655007 -0.85567938 6.44256002 -9.00970899 1.03555993 5.95267498
 10.47193945 -3.15193984 4.13605339 -6.41256192]
 Sample 9458: [4.25937656 0.43384707 0.0494634 8.49708151 5.10024367
 -1.9508863
 0.69860164 -0.80536478 6.46973121 -9.1162034 1.12872669 5.89196811
 10.40365259 -3.15836501 4.15470572 -6.47792565]
 Sample 9459: [4.24953015 0.43708676 0.05011551 8.47077043 5.10052051
 -1.8852603
 0.71171444 -0.78616353 6.49036467 -9.10495192 1.10835124 5.92900891
 10.44344886 -3.18344916 4.18625521 -6.47988534]
 Sample 9460: [4.24585675 0.47275342 0.04448436 8.36148711 5.06692491
 -1.92198076
 0.75420204 -0.77406401 6.53264012 -9.02822477 1.17930667 5.95706209
 10.45613872 -3.19414346 4.14128648 -6.5241258]
 Sample 9461: [4.28345633 0.40548734 0.05331517 8.39106014 5.04393001
 -1.90475336
 0.83262274 -0.83667206 6.43588569 -8.96556804 1.15934337 6.0033688
 10.36877487 -3.15583767 4.18760262 -6.50999558]
 Sample 9462: [4.21140739 0.42341817 0.05406993 8.42012792 5.06657367
 -1.88710301
 0.80706524 -0.80193654 6.40227225 -9.04246782 1.21893044 6.07798611
 10.46006575 -3.26398473 4.14992527 -6.64441868]

Sample 9463: [4.17047448 0.41754763 0.05517406 8.43473062 4.96591771
 -1.95603436
 0.76278617 -0.78654419 6.41008989 -9.11408344 1.25077037 6.06739258
 10.37152434 -3.21410988 4.16419876 -6.68490353]
 Sample 9464: [4.15222757 0.45045445 0.0578866 8.48642718 4.93772234
 -1.97167566
 0.80271629 -0.78490136 6.51916835 -9.15050777 1.18168253 6.08313121
 10.36283603 -3.24264146 4.14455663 -6.73601457]
 Sample 9465: [4.13580795 0.46337749 0.05052346 8.47618006 4.96392609
 -1.88529848
 0.75803121 -0.71438676 6.52125062 -9.22254547 1.20930947 6.07470203
 10.32661783 -3.2399246 4.122252 -6.78539741]
 Sample 9466: [4.17309796 0.47535579 0.04209401 8.38227347 4.85430963
 -1.91417625
 0.698657 -0.73958693 6.541402 -9.25452957 1.18640092 6.07828491
 10.31887375 -3.34013458 4.07730792 -6.80132177]
 Sample 9467: [4.02602065 0.42967405 0.05536307 8.35588424 4.84242763
 -1.95246851
 0.70915731 -0.74174661 6.5319472 -9.255004 1.1361892 6.09829817
 10.2903093 -3.37738478 4.1830963 -6.71542171]
 Sample 9468: [3.97468624 0.4780938 0.04930239 8.36149776 4.85253922
 -1.95174688
 0.62622749 -0.7237016 6.53180407 -9.26213508 1.22458408 6.07311315
 10.36156416 -3.38377254 4.20280091 -6.82821991]
 Sample 9469: [4.01181249 0.41230627 0.05226315 8.32421693 4.83838452
 -1.92707876
 0.62253607 -0.74149525 6.50951266 -9.25408336 1.15840505 6.06026918
 10.32670553 -3.3394081 4.18684648 -6.72051304]
 Sample 9470: [4.02520772 0.49189768 0.04137811 8.33908867 4.91179041
 -1.88715833
 0.55290233 -0.72743936 6.49694284 -9.32769797 1.08333073 6.09008971
 10.3642372 -3.31719286 4.24831416 -6.68999246]
 Sample 9471: [4.04101838 0.41312997 0.05776819 8.36325868 4.89086172
 -1.83950399
 0.56620266 -0.75407439 6.48928751 -9.33617019 1.09970726 6.11713477
 10.37007745 -3.31567657 4.15221086 -6.60968485]
 Sample 9472: [4.08313052 0.38971899 0.0663111 8.36113923 4.85027524
 -1.89081433
 0.59946959 -0.80799949 6.52172036 -9.36414817 1.12065204 6.10205798
 10.31323536 -3.28385486 4.12614954 -6.54831392]
 Sample 9473: [4.03817559 0.41315861 0.05666549 8.45216822 4.84162699
 -1.86059452
 0.52916683 -0.74589057 6.5318035 -9.38460775 1.05666201 6.11258007
 10.29098012 -3.30168978 4.09732827 -6.55218863]
 Sample 9474: [4.09411667 0.43115572 0.05689026 8.44946992 4.90034825
 -1.8590826
 0.62980691 -0.78829378 6.5426237 -9.38823775 0.96950894 6.08272204
 10.18499198 -3.25477406 4.06208482 -6.4550657]

Sample 9475: [4.0974887 0.38398369 0.05689175 8.41433864 4.8142196
 -1.73600668
 0.6126298 -0.78565087 6.62794029 -9.35767663 0.96557366 6.03362814
 10.15125168 -3.27230061 4.14694718 -6.53765515]
 Sample 9476: [4.04442849 0.38934518 0.05841404 8.34072879 4.78371939
 -1.73090758
 0.57916121 -0.81288162 6.67873361 -9.31406974 0.99433493 6.00051973
 10.17834176 -3.25169211 4.14845099 -6.5004975]
 Sample 9477: [3.9571868 0.40226724 0.05591137 8.34753853 4.77012552
 -1.68777652
 0.62332479 -0.79228194 6.57003974 -9.26189588 1.01758612 6.0103047
 10.10105218 -3.26523169 4.14664376 -6.52285584]
 Sample 9478: [3.95508987 0.38435686 0.05772116 8.35844586 4.84788482
 -1.68132442
 0.48498426 -0.76336087 6.5534897 -9.16944437 1.09512841 5.97203575
 10.07457902 -3.32435732 4.05330191 -6.45344828]
 Sample 9479: [3.88193755 0.36279472 0.06725519 8.28624852 4.85994941
 -1.63152207
 0.54031711 -0.81543666 6.54297789 -9.09542932 1.07881071 6.06748466
 10.11207455 -3.31226438 4.11789126 -6.44540605]
 Sample 9480: [3.88441413 0.31300184 0.08383481 8.29942636 4.82731941
 -1.50520702
 0.58788032 -0.88200382 6.51983502 -9.02308353 1.06787665 6.07156958
 10.16618745 -3.23989473 4.08256715 -6.4657739]
 Sample 9481: [3.89338326 0.36060427 0.06934149 8.30783645 4.79508114
 -1.49249578
 0.57575481 -0.83430114 6.52218293 -9.1300315 1.04864963 6.01507484
 10.18705191 -3.26089653 4.1262694 -6.44286732]
 Sample 9482: [3.91571479 0.32920589 0.07913625 8.32189035 4.72266459
 -1.48300802
 0.6071318 -0.87351987 6.51849604 -9.17358497 1.05451377 5.98906162
 10.21497271 -3.2765541 4.03970607 -6.47597195]
 Sample 9483: [3.97036166 0.31585195 0.08517855 8.24931886 4.6943411
 -1.61310068
 0.61377465 -0.89389232 6.58133006 -9.0457541 1.17818269 6.01571175
 10.2429709 -3.30275971 4.02579646 -6.53460896]
 Sample 9484: [3.95730992 0.28763857 0.08808507 8.33606291 4.72564662
 -1.69612295
 0.524943 -0.92442676 6.50310706 -8.99070966 1.24052255 6.10253546
 10.29802806 -3.20814445 3.98096297 -6.52779861]
 Sample 9485: [4.05856414 0.26237358 0.09327578 8.35457641 4.80463562
 -1.70537761
 0.53370051 -0.95793436 6.47143166 -8.9775911 1.21743025 6.04303583
 10.25891509 -3.17388085 3.9869164 -6.57319599]
 Sample 9486: [4.05600848 0.27713145 0.08645303 8.37658444 4.80045541
 -1.69886282
 0.53733263 -0.94938169 6.50811532 -9.02269703 1.22847521 6.03175072
 10.27972357 -3.08020807 3.93946222 -6.54627515]

Sample 9487: [4.09574193 0.28524589 0.08802024 8.3753903 4.80700932
 -1.68657298
 0.59724008 -0.95022923 6.6001676 -9.07613784 1.22500269 6.1162564
 10.35129317 -3.00517921 3.93191913 -6.56071456]
 Sample 9488: [4.15873722 0.25523073 0.106889 8.4068396 4.75928714
 -1.66145745
 0.57762093 -1.04450999 6.56503474 -8.95797273 1.27393929 6.11914956
 10.33275106 -3.01498967 3.8958254 -6.57998603]
 Sample 9489: [4.16254329 0.27797434 0.10511142 8.42280413 4.81591575
 -1.58602036
 0.67011778 -1.01609979 6.57601647 -8.99627806 1.33610956 6.09211801
 10.30132472 -3.023219 3.95835755 -6.58331974]
 Sample 9490: [4.18960467 0.31149884 0.08854724 8.37146346 4.74530786
 -1.57084809
 0.71563796 -0.96253556 6.60279749 -8.96691834 1.39974401 6.13897541
 10.3437482 -3.04779549 3.98010269 -6.5081776]
 Sample 9491: [4.25169942 0.30192383 0.08059572 8.43955118 4.69394838
 -1.54981879
 0.68978358 -0.98616612 6.59603359 -8.91691807 1.44977323 6.25466047
 10.34900893 -3.00974747 4.01629361 -6.50559283]
 Sample 9492: [4.24648333 0.34327278 0.07730953 8.48097434 4.59518383
 -1.49237974
 0.8208603 -0.91519652 6.61996298 -8.92434888 1.50971539 6.23400956
 10.33700905 -3.06871051 3.9765328 -6.55351483]
 Sample 9493: [4.26026664 0.33618322 0.08236611 8.50934336 4.62199982
 -1.45253221
 0.78769482 -0.95475286 6.69919704 -8.97312048 1.5122701 6.19891444
 10.35085104 -3.02445229 3.97150977 -6.55439824]
 Sample 9494: [4.31630099 0.30072682 0.08423314 8.54833497 4.57800372
 -1.45798145
 0.64534024 -0.9823734 6.62798517 -9.04214862 1.56386033 6.25436079
 10.37525146 -3.05238811 4.05397223 -6.56933385]
 Sample 9495: [4.34813719 0.29278924 0.09454406 8.52017454 4.60137891
 -1.42911576
 0.6338743 -1.00715193 6.5942758 -9.05143841 1.60107036 6.27398967
 10.27123373 -3.07597875 3.97649214 -6.50554376]
 Sample 9496: [4.42986053 0.28331837 0.10266457 8.47590273 4.52963484
 -1.51360175
 0.58763636 -1.01569944 6.5583679 -9.12111859 1.55461879 6.18218785
 10.23687411 -3.04527851 3.8925712 -6.47667251]
 Sample 9497: [4.38748419 0.31300958 0.08146094 8.46629727 4.49204137
 -1.52678425
 0.5623848 -0.91801878 6.59413796 -9.25217701 1.57227861 6.07181821
 10.29991836 -3.06490625 3.8816709 -6.44465781]
 Sample 9498: [4.43889577 0.2979662 0.08722156 8.40548583 4.5734731
 -1.53142263
 0.58279428 -0.94668048 6.54236399 -9.31561221 1.60245982 6.11591527
 10.30853918 -3.01131548 3.87554916 -6.44155005]

Sample 9499: [4.45859306 0.29956038 0.09604095 8.35112564 4.47143864
 -1.51734071
 0.64834306 -0.99307223 6.61952555 -9.23931976 1.58143375 6.10796396
 10.33396843 -2.98691295 3.7931048 -6.50667155]
 Sample 9500: [4.4732528 0.33473745 0.08597342 8.31230993 4.45968429
 -1.53095517
 0.66387419 -0.95036636 6.55333188 -9.27946064 1.62643366 6.10664946
 10.31637074 -2.97221457 3.73769338 -6.45034361]
 Sample 9501: [4.42541248 0.32891928 0.08302963 8.34591543 4.47570635
 -1.56160327
 0.63130121 -0.93021927 6.51262714 -9.35348021 1.62280953 6.06727253
 10.33423724 -2.91925298 3.72631514 -6.50209717]
 Sample 9502: [4.45676937 0.29688541 0.08330491 8.31492925 4.48927957
 -1.57981138
 0.49911659 -0.96239696 6.47196474 -9.40354245 1.55394805 6.09282861
 10.44690265 -2.89673313 3.76031198 -6.35220982]
 Sample 9503: [4.47705406 0.29047652 0.08186049 8.23837525 4.49914489
 -1.56184495
 0.48149704 -0.9592483 6.55535123 -9.38426645 1.52348754 6.03862458
 10.46566483 -2.93309507 3.76786938 -6.45095529]
 Sample 9504: [4.52320405 0.29704617 0.07028845 8.27663822 4.4973502
 -1.58665168
 0.40571651 -0.91066322 6.58192408 -9.38574631 1.5771424 6.01530535
 10.531575 -2.86685463 3.71819914 -6.45180243]
 Sample 9505: [4.56179804 0.31712478 0.07166002 8.22320413 4.5183403
 -1.57085313
 0.47931319 -0.90666549 6.61478986 -9.33281142 1.5531955 5.98209163
 10.4955362 -2.93011175 3.62628325 -6.44057596]
 Sample 9506: [4.52608064 0.33286878 0.06922973 8.18879753 4.46403511
 -1.62623519
 0.5403388 -0.89492744 6.59010875 -9.38687765 1.56235195 5.99486882
 10.51025704 -2.86648696 3.62570239 -6.44155511]
 Sample 9507: [4.48695815 0.31416525 0.07694389 8.18878443 4.58655252
 -1.67302776
 0.56813026 -0.9170447 6.60927346 -9.42234994 1.58700983 5.97169582
 10.5962942 -2.85209555 3.57808082 -6.51743821]
 Sample 9508: [4.49070523 0.31469664 0.08696096 8.10071958 4.52061676
 -1.79063242
 0.65627133 -0.96332836 6.56810974 -9.37584555 1.57297595 5.91972785
 10.53996808 -2.86375294 3.58982009 -6.53805575]
 Sample 9509: [4.39312826 0.33348603 0.07817288 8.05280296 4.49734582
 -1.80951951
 0.6644534 -0.92657656 6.61250766 -9.37414902 1.7106725 5.99910549
 10.5192313 -2.92907083 3.48052179 -6.48490655]
 Sample 9510: [4.39922571 0.3229315 0.07513824 8.08421288 4.42819907
 -1.76393246
 0.56266183 -0.91359556 6.5078532 -9.43984369 1.72042604 5.96048972
 10.39720223 -2.91276132 3.42781727 -6.46068603]

Sample 9511: [4.3955855 0.40684453 0.05046626 8.12463154 4.44256649
 -1.83901544
 0.52954889 -0.77292208 6.49256778 -9.54590817 1.70412837 5.98298819
 10.32025227 -2.89505442 3.45705882 -6.53376264]
 Sample 9512: [4.42486367 0.36802569 0.05358129 8.11216423 4.45085184
 -1.83061705
 0.52092896 -0.81279792 6.45878605 -9.58370697 1.66800825 5.94782075
 10.30481543 -2.89089656 3.50787006 -6.4592616]
 Sample 9513: [4.41987983 0.39402267 0.05351951 8.13510676 4.43062323
 -1.82840259
 0.48359552 -0.7917137 6.49552825 -9.62686391 1.69163099 5.96167183
 10.21702076 -2.95986119 3.5493482 -6.43431137]
 Sample 9514: [4.38599924 0.37371984 0.05078808 8.13885525 4.58143302
 -1.83797673
 0.4756372 -0.80176636 6.52558633 -9.62481683 1.65189236 5.91198036
 10.22137529 -3.03458939 3.57150429 -6.34908741]
 Sample 9515: [4.35907943 0.36345217 0.06458726 8.14259067 4.59874491
 -1.82062527
 0.53670866 -0.85813604 6.55980978 -9.5962418 1.66840489 5.91315392
 10.2566228 -3.09938987 3.59630812 -6.31802716]
 Sample 9516: [4.43217271 0.38166704 0.0622542 8.14615328 4.54111173
 -1.85198102
 0.54890543 -0.85063513 6.47569371 -9.57434975 1.59079525 5.94582073
 10.24021159 -3.04556253 3.55781832 -6.28288758]
 Sample 9517: [4.44599145 0.38029129 0.05155609 8.1488434 4.4807204
 -1.7895066
 0.46297227 -0.79991201 6.38676363 -9.65775821 1.59273196 5.94269757
 10.3305218 -3.07420666 3.56712139 -6.27631606]
 Sample 9518: [4.34253132 0.36733643 0.05587626 8.09698648 4.51635626
 -1.89735036
 0.49322014 -0.84301883 6.41070241 -9.68355853 1.58006573 5.93429472
 10.27703084 -3.07755601 3.53080329 -6.29982137]
 Sample 9519: [4.24466954 0.32116039 0.06700388 8.08110711 4.56043295
 -1.92941668
 0.5293973 -0.89334761 6.436911 -9.66812016 1.58422194 5.93569965
 10.27204902 -3.08774961 3.4447142 -6.28569181]
 Sample 9520: [4.2758196 0.32846211 0.06046687 8.05710203 4.49198171
 -1.93525072
 0.4562476 -0.87218934 6.41515833 -9.70763102 1.54842598 5.88283697
 10.27425637 -3.0797485 3.4196752 -6.26384951]
 Sample 9521: [4.32003971 0.31510426 0.06704777 8.15996293 4.40831283
 -1.94798295
 0.52678634 -0.90413489 6.43465405 -9.8105994 1.57414805 5.89098228
 10.22129114 -3.07687588 3.44359754 -6.24808549]
 Sample 9522: [4.31104961 0.36564038 0.05269712 8.15471347 4.38456556
 -1.98940348
 0.46950923 -0.85718835 6.3820636 -9.89054206 1.64195087 5.82571112
 10.31151864 -3.08907783 3.47548477 -6.31656655]

Sample 9523: [4.29794448 0.36406618 0.05101239 8.1487125 4.3072928
 -1.97352912
 0.50966105 -0.85083859 6.30481603 -9.90036945 1.5598397 5.81998793
 10.33293865 -3.17897538 3.48608429 -6.29277414]
 Sample 9524: [4.28353311 0.36464936 0.05725916 8.1653096 4.29153141
 -1.99414963
 0.53628598 -0.84512226 6.29098586 -9.9767749 1.56738636 5.74858679
 10.38846195 -3.22043482 3.48311999 -6.3596464]
 Sample 9525: [4.33134016 0.39304399 0.04924675 8.14245782 4.26639476
 -2.02564618 0.52986965 -0.82788569 6.2923705 -10.07589326
 1.57359961 5.70374537 10.39430012 -3.21726587 3.43344185
 -6.35393671]
 Sample 9526: [4.43306686 0.38683953 0.0584083 8.23583023 4.14642158
 -2.12978849 0.61182136 -0.79972558 6.21942489 -10.05424656
 1.68847999 5.68011048 10.37785924 -3.18496067 3.49604968
 -6.38535169]
 Sample 9527: [4.34091216 0.48216734 0.05351633 8.26042398 4.22301824
 -2.12838634
 0.67916645 -0.78869629 6.15619212 -9.98028293 1.59964383 5.67296596
 10.37048282 -3.15099479 3.5433865 -6.32012375]
 Sample 9528: [4.29289883 0.42827825 0.05440692 8.24617799 4.17330663
 -2.01570278 0.77976675 -0.79512393 6.15965472 -10.03113212
 1.60087503 5.65477687 10.36213301 -3.08627246 3.42708823
 -6.38928802]
 Sample 9529: [4.36430099 0.43881606 0.05511986 8.22796331 4.12781541
 -1.98003159 0.81346552 -0.8330157 6.08839176 -10.00277154
 1.55304454 5.67618548 10.37239332 -3.03275412 3.41943826
 -6.38383264]
 Sample 9530: [4.39694981 0.42245646 0.06128656 8.21949359 4.13177024
 -1.98862796
 0.81611992 -0.82353018 6.108788 -9.93197006 1.49031265 5.72434781
 10.40234586 -3.01833869 3.46409002 -6.34540371]
 Sample 9531: [4.41652527 0.49231711 0.04867694 8.2636941 4.11721653
 -1.94891315
 0.85256112 -0.80895654 6.06484771 -9.95163436 1.50911322 5.68217845
 10.41494516 -3.09791502 3.45632159 -6.2878999]
 Sample 9532: [4.4559264 0.52747467 0.04912208 8.17188631 4.11437554
 -2.00639404
 0.86472436 -0.77570962 6.05906284 -9.99353351 1.60484647 5.66463379
 10.40426394 -3.07086095 3.451133 -6.24127813]
 Sample 9533: [4.44260096 0.49916482 0.04826096 8.12308338 4.11992637
 -1.99433891
 0.95133162 -0.83878162 6.0228441 -9.96340425 1.53037229 5.67866373
 10.54851008 -3.07161138 3.44022249 -6.16574586]
 Sample 9534: [4.43741098 0.55013595 0.04728658 8.0743042 4.23222299
 -2.05689208
 1.02445759 -0.81273101 5.97200472 -9.9387526 1.56349556 5.68121888
 10.57472812 -3.06644099 3.39892572 -6.08918257]

Sample 9535: [4.41203701 0.533626 0.04764747 8.12751293 4.20166301
 -2.11404258
 1.06971767 -0.86075116 5.97272397 -9.85434211 1.64845711 5.66765362
 10.66500289 -3.03823732 3.36085187 -6.01709408]
 Sample 9536: [4.37275887 0.55168965 0.04365227 8.10224191 4.27031425
 -1.99364634
 1.12784169 -0.8465216 5.84024243 -9.91538216 1.71237822 5.70786574
 10.61952996 -2.99945103 3.35588544 -5.97063616]
 Sample 9537: [4.34496644 0.58410992 0.04809751 8.16466901 4.28856429
 -2.1327291
 1.13794145 -0.84505906 5.90985796 -9.94193528 1.75785139 5.66981971
 10.64215258 -2.89352601 3.22339351 -5.94787236]
 Sample 9538: [4.22313963 0.53390448 0.04865163 8.17178948 4.30100681
 -2.14132972
 1.18338648 -0.85764289 6.01790221 -9.92823132 1.79542401 5.65371303
 10.63173257 -2.9297193 3.17927173 -6.01823776]
 Sample 9539: [4.23493977 0.55360436 0.05029062 8.16515228 4.34709975
 -2.12746413
 1.17897946 -0.8706826 6.00721071 -9.96496439 1.72522047 5.64459009
 10.66356474 -2.96263137 3.18877292 -5.94172542]
 Sample 9540: [4.22994473 0.50222132 0.06344559 8.17731789 4.40691702
 -2.13312464
 1.2548241 -0.92831127 5.94755972 -9.95349235 1.77692588 5.63733554
 10.69930256 -2.94494252 3.16712656 -5.907573]
 Sample 9541: [4.34496628 0.5567374 0.04889848 8.25200125 4.47805702
 -2.07627177
 1.20887958 -0.88503603 5.86712434 -9.92504115 1.78338877 5.57529442
 10.69922546 -2.9154503 3.15019056 -5.91585131]
 Sample 9542: [4.4450788 0.54383928 0.05775478 8.28181856 4.42232138
 -2.06260807
 1.22054671 -0.8865736 5.76946743 -9.96061931 1.75693035 5.57012459
 10.75825284 -2.94078496 3.12556163 -5.79903408]
 Sample 9543: [4.43748675 0.51944651 0.05263387 8.26070636 4.42920246
 -2.08996125
 1.2256427 -0.94142064 5.86727551 -9.96055476 1.81073336 5.51955827
 10.76009952 -2.89795953 3.16196818 -5.74217062]
 Sample 9544: [4.46900468 0.53252393 0.05439067 8.28439398 4.43709852
 -2.10059594
 1.18826485 -0.92785406 5.95509252 -9.91424099 1.86369356 5.51096778
 10.85400926 -2.94121416 3.18229784 -5.73319713]
 Sample 9545: [4.48256846 0.56602651 0.0471231 8.2484152 4.45750683
 -2.016
 1.15843286 -0.90683354 5.8747647 -9.92145102 1.86586405 5.56156655
 10.94974291 -2.876213 3.12272373 -5.63469305]
 Sample 9546: [4.48329772 0.52125347 0.04832379 8.22877205 4.40732164
 -1.93179848
 1.0885612 -0.91994741 5.85379342 -9.90829283 1.8656934 5.57143536
 10.89899742 -2.91701925 3.15442928 -5.6596028]

Sample 9547: [4.42757897 0.50446304 0.05230013 8.24970901 4.39472329
 -1.99680068
 1.0820518 -0.93615765 5.84470648 -9.97631157 1.85926257 5.56476789
 10.8937084 -2.90248185 3.08315842 -5.62274097]
 Sample 9548: [4.29742015 0.52007732 0.05631151 8.21334645 4.34536156
 -1.98530025 1.10641967 -0.934054 5.9239754 -10.02412381
 1.83913052 5.59066619 10.86094373 -2.93111409 3.0841565
 -5.58053073]
 Sample 9549: [4.26900646 0.52787444 0.03970274 8.26478216 4.34351595
 -2.030975
 0.99739234 -0.91321996 5.88897189 -9.98251333 1.95203289 5.61444702
 10.8057207 -2.96917041 3.0681877 -5.56699715]
 Sample 9550: [4.28166225 0.52176244 0.04812478 8.35516686 4.35856659
 -2.09044413
 1.01552958 -0.90965013 5.85828599 -9.99708422 1.94508188 5.68527458
 10.7589319 -2.96222549 3.09193897 -5.58529836]
 Sample 9551: [4.25385162 0.54007669 0.05176763 8.32934242 4.44065036
 -2.07880822 1.01668397 -0.90364083 5.80775119 -10.0886382
 1.82918203 5.6571427 10.79537162 -2.95365123 3.09353463
 -5.58954524]
 Sample 9552: [4.15842464 0.56920159 0.04374295 8.44562645 4.43903911
 -2.01146279 0.99386615 -0.88693431 5.84816804 -10.08963386
 1.78996968 5.65499481 10.75270257 -2.94963671 3.06671068
 -5.53736689]
 Sample 9553: [4.13503985 0.48932363 0.06065554 8.36980708 4.44228177
 -1.96555323 1.00621563 -0.94547452 5.97523708 -10.06287842
 1.92764899 5.65761305 10.75740519 -2.94289998 3.00254343
 -5.49437443]
 Sample 9554: [4.12593699 0.51733901 0.05020254 8.3055738 4.48128549
 -1.92421622 1.03898833 -0.92963398 6.02223653 -10.04549183
 1.89958201 5.59396817 10.73459852 -2.87781687 2.93096084
 -5.51295842]
 Sample 9555: [4.21101649 0.50464673 0.04668794 8.18777853 4.47960267
 -2.01807234 1.00377351 -0.93332076 6.07398551 -10.00552258
 1.88820969 5.68849527 10.68205588 -2.84696783 2.92943464
 -5.44545645]
 Sample 9556: [4.18087498 0.55460604 0.04795017 8.14597846 4.4100634
 -1.96709761
 0.92027406 -0.8962724 6.06657484 -9.93743295 1.8499083 5.68996066
 10.67924964 -2.80139986 3.05393879 -5.44650258]
 Sample 9557: [4.16578284 0.50537271 0.04883215 8.19965449 4.35090168
 -1.97168299
 0.90909659 -0.91730486 6.06426768 -9.83309339 1.80711732 5.65718891
 10.64929536 -2.77167594 3.00535365 -5.52226881]
 Sample 9558: [4.20851661 0.52757437 0.04925536 8.20071588 4.42157735
 -1.92406215
 0.90990366 -0.88954067 6.02891038 -9.86515649 1.86620578 5.6622233
 10.66284155 -2.71269007 3.05338952 -5.50413692]

Sample 9559: [4.19495378 0.54592249 0.05089719 8.2310046 4.40839592
 -1.88546904
 0.89220606 -0.91406447 6.00527384 -9.95136032 1.8233322 5.6974008
 10.67040888 -2.72390714 3.11580239 -5.44314824]
 Sample 9560: [4.15573802 0.56081756 0.04455224 8.22893266 4.35366652
 -1.97257274
 0.93690789 -0.89646068 5.92174945 -9.96097613 1.75655297 5.70224131
 10.78831145 -2.75890723 3.07164305 -5.40020097]
 Sample 9561: [4.06736862 0.55965958 0.04817623 8.3438734 4.36906608
 -1.96097028
 0.97246624 -0.93068075 5.82344857 -9.95074197 1.7882449 5.64770322
 10.75911448 -2.742761 3.07270651 -5.33742742]
 Sample 9562: [4.04257787 0.53372595 0.05145465 8.33503025 4.37508511
 -1.94293909 0.96969406 -0.91573321 5.80720065 -10.02428597
 1.79362506 5.6550914 10.74867386 -2.81914366 3.08432703
 -5.34153841]
 Sample 9563: [4.04217552 0.53686367 0.04997539 8.17759302 4.3946835
 -1.95728536
 0.91637301 -0.93582545 5.865555 -9.95440456 1.8476885 5.69175315
 10.75850301 -2.89617105 3.1152468 -5.33601655]
 Sample 9564: [4.00381644 0.46163213 0.06446674 8.19575151 4.42953843
 -1.9474243
 1.02139308 -0.985242 5.85333658 -9.92161316 1.93735884 5.72082054
 10.76571857 -2.92180273 3.13917714 -5.2990662]
 Sample 9565: [4.06205178 0.50445795 0.06376577 8.19540531 4.37605521
 -1.97946356
 1.04625306 -1.00450046 5.85490974 -9.97090192 1.98112732 5.74501453
 10.7565454 -2.90153498 3.14505702 -5.29108206]
 Sample 9566: [4.09046709 0.45114792 0.06529532 8.20185312 4.32851541
 -2.05184408
 0.97997876 -0.98381029 5.88726708 -9.90423042 1.94677427 5.79359428
 10.71180375 -2.90967113 3.22633865 -5.34181255]
 Sample 9567: [4.09591052 0.49115625 0.06194137 8.19578519 4.33996339
 -2.06495237 0.96243698 -1.0028488 5.91194709 -10.03675833
 1.91486976 5.80339142 10.8218686 -2.88946258 3.13914996
 -5.37305877]
 Sample 9568: [4.12082712 0.43176083 0.06541792 8.24792038 4.32534952
 -2.11478509 0.96241675 -0.98275687 5.95343574 -10.00803869
 1.89119791 5.80952427 10.7855448 -2.90104689 3.04624016
 -5.37833025]
 Sample 9569: [4.14506207 0.51310073 0.05614635 8.30071951 4.33639544
 -2.11674901
 0.99232857 -0.97739303 6.05767083 -9.93974109 1.95930319 5.83738469
 10.71310638 -2.95635771 3.0646502 -5.42419547]
 Sample 9570: [4.20931459 0.52464691 0.05059111 8.30356592 4.36975339
 -1.99072468
 0.93618063 -0.88672629 6.06389863 -9.95311313 2.0069335 5.88711579
 10.63808012 -3.01611485 3.0332272 -5.31532226]

Sample 9571: [4.21244468 0.48948503 0.0573232 8.30271931 4.41169112
 -1.92982498
 0.95807355 -0.99387057 6.05613582 -9.97377669 2.06713132 5.88765668
 10.59418427 -3.04184593 3.04710345 -5.34876708]
 Sample 9572: [4.10631499 0.48072681 0.05018695 8.29111642 4.4579596
 -1.92877619
 0.97813018 -0.91477055 6.05055851 -9.98595408 2.0826805 5.88558901
 10.58769508 -3.11043576 3.07857575 -5.43773854]
 Sample 9573: [4.14900595 0.52943311 0.05004748 8.20273761 4.35117661
 -1.91900094
 0.99991608 -0.96297445 5.93137287 -9.99917225 1.97687835 5.92182089
 10.64143071 -3.17449597 3.11309009 -5.4011827]
 Sample 9574: [4.14084342 0.41887115 0.06466134 8.23153561 4.32807727
 -1.92500835 0.93677568 -0.987922 5.96107889 -10.05887732
 1.96083707 5.86755419 10.60379844 -3.18920774 3.15508824
 -5.3840749]
 Sample 9575: [4.09104022 0.54329293 0.0490153 8.20037224 4.44290181
 -1.99096291 0.98746436 -0.94252301 5.90304514 -10.12615618
 1.9525036 5.88887273 10.61353471 -3.28440695 3.14807669
 -5.3848789]
 Sample 9576: [4.09434187 0.54385863 0.04522167 8.15425327 4.48270414
 -1.97600623 1.11009122 -0.89815412 5.93005714 -10.14779651
 1.91638054 5.80272901 10.56944646 -3.22155618 3.18029306
 -5.42100798]
 Sample 9577: [4.13209248 0.53237653 0.05729359 8.14300906 4.55281742
 -1.89920965 1.11667167 -0.95896828 5.99475992 -10.12721891
 1.9210279 5.81654306 10.4987487 -3.20170746 3.17836199
 -5.40253115]
 Sample 9578: [4.17202654 0.5164741 0.06232652 8.16873085 4.49121243
 -1.90704517 1.16493552 -0.95886607 6.06218471 -10.05767684
 1.91171187 5.8587899 10.4952859 -3.2000426 3.20231676
 -5.35623865]
 Sample 9579: [4.14610311 0.53523211 0.05825571 8.08487132 4.47783296
 -1.95568488 1.16676351 -0.98008762 6.05505775 -10.07667664
 1.88515354 5.86269567 10.47299299 -3.2678699 3.20618688
 -5.24699144]
 Sample 9580: [4.04708533 0.58840811 0.04962549 8.02317043 4.45817322
 -1.97290339 1.13533812 -0.88602434 6.0580629 -10.0889557
 1.93943634 5.88479867 10.42749414 -3.24535714 3.18188972
 -5.32623899]
 Sample 9581: [4.14523466 0.57813931 0.04633974 8.05237551 4.42271254
 -1.90677829 1.14962922 -0.92970608 6.13814713 -10.04821685
 1.92695151 5.88250091 10.44882081 -3.25237229 3.20051383
 -5.33073654]
 Sample 9582: [4.1985496 0.53993929 0.05054822 8.0167379 4.48299509
 -1.95938437 1.10514899 -0.92494115 6.21660425 -10.08940506
 1.94874425 5.90784201 10.49824484 -3.25187846 3.20629726
 -5.31934319]

Sample 9583: [4.23881886 0.50746438 0.05853964 8.01642529 4.41993195
-1.95500866 1.06163665 -0.9813896 6.24948304 -10.05813907
2.00736688 5.85465926 10.54831387 -3.33684852 3.17928774
-5.27864213]

Sample 9584: [4.27122293 0.49080222 0.05851344 7.97742218 4.43128449
-1.95767189 1.10419011 -0.98724935 6.30399829 -10.02293716
2.07639944 5.90391472 10.59246227 -3.26275211 3.17696203
-5.23490265]

Sample 9585: [4.34400172 0.50076149 0.05972233 7.94323316 4.41181197
-1.93229771 1.08356914 -1.01532573 6.31489006 -10.04140183
2.15802768 5.88395702 10.56037989 -3.35279431 3.13486538
-5.30670209]

Sample 9586: [4.27216631 0.4877575 0.0641319 7.94936247 4.33176911
-1.90821235 1.08448269 -1.05628531 6.18118858 -10.14638335
2.23074714 5.85401264 10.58801469 -3.30246729 3.19573397
-5.24864327]

Sample 9587: [4.24636862 0.45750115 0.06281698 8.00072792 4.33696531
-1.86284726 1.01959222 -1.03006146 6.10860001 -10.08813653
2.20251166 5.95021916 10.62647745 -3.28827006 3.20809681
-5.24911632]

Sample 9588: [4.18163491 0.46987032 0.05806048 7.99489771 4.33496715
-1.89402795 0.96468486 -1.01450982 6.11138487 -10.17600604
2.2204149 5.929534 10.71140816 -3.29672277 3.18001955
-5.20124451]

Sample 9589: [4.18930204 0.50204421 0.05176233 7.98795033 4.29511804
-1.93965493 0.99549371 -0.94926143 6.17278164 -10.17948005
2.24134785 5.95374062 10.60453045 -3.29807592 3.11766707
-5.27869443]

Sample 9590: [4.20928456 0.51747404 0.05319062 8.02090663 4.33852594
-1.95122605 1.05854217 -0.96384364 6.24473911 -10.09152885
2.21835574 5.95581161 10.53224667 -3.30605553 3.04502412
-5.30669142]

Sample 9591: [4.19114389 0.52785337 0.05292305 7.99652409 4.36897285
-1.94593178 1.09365878 -0.93832051 6.24151729 -10.13607393
2.25003455 5.93004197 10.51762023 -3.25794687 3.01285996
-5.29748229]

Sample 9592: [4.21428944 0.51185552 0.06081844 7.89925318 4.4005605
-1.92210064 1.10986195 -0.99347379 6.25991017 -10.15047142
2.31320307 5.97626124 10.51428393 -3.19719773 3.08466477
-5.25934857]

Sample 9593: [4.05673675 0.53022165 0.05863003 7.88125428 4.33355567
-1.99211611 1.14224256 -0.96468153 6.2199301 -10.22787506
2.36328749 5.99100954 10.46735644 -3.19538896 3.04671137
-5.23136935]

Sample 9594: [4.01175363 0.5079746 0.05767337 7.86929421 4.43455586
-2.02550455 1.09636278 -0.99611364 6.21348273 -10.22578075
2.33959147 6.00285334 10.4591356 -3.15524312 2.99296753
-5.18064088]

Sample 9595: [3.99599322 0.48641768 0.06011817 7.82258199 4.47705955
 -2.05454431 1.07726615 -1.02000311 6.27920781 -10.18001846
 2.36909466 6.03540552 10.45104372 -3.18392939 2.91541328
 -5.20027545]
 Sample 9596: [4.00250002 0.4827468 0.06524194 7.81979551 4.45242226
 -2.07751708 1.14809875 -1.03493519 6.22965658 -10.26643226
 2.33202664 6.03391218 10.36147246 -3.15471963 2.94238128
 -5.2090894]
 Sample 9597: [3.94919429 0.49097802 0.06194683 7.81567838 4.45981003
 -2.02419254 1.07110955 -1.02871632 6.29552758 -10.29600666
 2.26542747 6.02951571 10.35059709 -3.06883802 2.96524539
 -5.18575899]
 Sample 9598: [3.89133954 0.46168791 0.06898561 7.83387602 4.39471938
 -2.02836943 1.10117335 -1.04512248 6.32240918 -10.30415466
 2.31471848 6.01198636 10.36425299 -3.15308675 2.9245975
 -5.22699931]
 Sample 9599: [3.93647715 0.44914376 0.07732987 7.88672656 4.40733509
 -1.96420506 1.0384862 -1.10717218 6.30503308 -10.26214404
 2.30874468 6.05028648 10.29783065 -3.21344145 3.01675821
 -5.24723515]
 Sample 9600: [3.93264394 0.41583914 0.06935475 7.90410232 4.4152808
 -1.96029856 1.03135353 -1.07381789 6.22348222 -10.25325263
 2.35178238 5.98350918 10.30048663 -3.26576631 3.07172176
 -5.2566111]
 Sample 9601: [4.04229245 0.43622557 0.06922025 8.00235193 4.46838405
 -1.98728567 1.05302961 -1.09237199 6.19724668 -10.31942302
 2.3604073 6.07635632 10.36896738 -3.22957122 3.06516048
 -5.2414708]
 Sample 9602: [4.1020778 0.3983262 0.09119615 7.97573165 4.40852594
 -2.03691111 0.97949377 -1.15015582 6.23129479 -10.40480035
 2.38860525 6.13137012 10.39778909 -3.1865039 2.97807416
 -5.25474172]
 Sample 9603: [4.07286848 0.38660717 0.08616712 8.02035688 4.48687228
 -2.03491618 0.92487471 -1.1310501 6.27067983 -10.40581894
 2.41252829 6.05950509 10.37839522 -3.23521678 2.9880084
 -5.28686884]
 Sample 9604: [4.09849495 0.38323002 0.09836662 8.0797634 4.55053509
 -2.03382076 0.95162631 -1.17007494 6.2330903 -10.4661696
 2.40449699 6.01936083 10.36179313 -3.23638423 2.90500192
 -5.35940125]
 Sample 9605: [4.0594311 0.34843953 0.12917084 7.98166803 4.62243727
 -2.12211481 0.87178786 -1.29111177 6.29609883 -10.48754994
 2.430751 5.97657468 10.32930358 -3.25162242 2.97720707
 -5.40235187]
 Sample 9606: [3.9754036 0.35036123 0.13864366 7.97908056 4.60629905
 -2.14786845 0.90548556 -1.31270801 6.2443885 -10.42110964
 2.38824704 5.9059608 10.40101978 -3.24325133 2.97255074
 -5.45854979]

Sample 9607: [3.97209433 0.34847157 0.14175061 7.96223662 4.73507297
-2.04628484 0.88569488 -1.34848248 6.15190075 -10.36834653
2.37371969 5.95930689 10.44753367 -3.24496038 2.87641242
-5.43552074]

Sample 9608: [3.91108996 0.35651457 0.12648875 7.8821308 4.74419855
-2.05826828 0.87633816 -1.30941191 6.12969092 -10.37865659
2.34195037 6.04733455 10.4425789 -3.27352386 2.87885213
-5.34752241]

Sample 9609: [3.93901079 0.37667921 0.11119648 7.90741727 4.69770577
-2.07303456 0.93143245 -1.2599487 6.08056999 -10.3768765
2.29010377 6.07537246 10.39645385 -3.24219726 2.8429435
-5.33034835]

Sample 9610: [3.99218571 0.36753489 0.11894604 7.94976547 4.69531514
-2.14004992 0.93516146 -1.26185813 6.13580323 -10.40603914
2.28360162 6.02821374 10.42497309 -3.24177208 2.92085403
-5.34090022]

Sample 9611: [4.02900296 0.38824264 0.10890853 7.91683353 4.71755508
-2.15867311 0.96635286 -1.21140526 6.19974873 -10.38698407
2.33085833 5.99441464 10.47172019 -3.28744944 2.92322835
-5.35309656]

Sample 9612: [4.1059191 0.39097703 0.10042664 7.91471542 4.73629722
-2.28646099 0.93682292 -1.14574044 6.19694612 -10.27972599
2.35665905 5.9189231 10.53046309 -3.37296141 2.88860195
-5.34460778]

Sample 9613: [4.09314918 0.41505995 0.09217555 7.98072274 4.78939921
-2.28151683 1.06721633 -1.12562184 6.18641987 -10.27700536
2.36018672 5.91257347 10.57984887 -3.31556281 2.88299359
-5.40863253]

Sample 9614: [4.12054931 0.42012338 0.09727416 7.9813248 4.8299638
-2.18222351 1.08814559 -1.15579857 6.26776306 -10.28018604
2.37067364 5.95083137 10.56725391 -3.30780904 2.94678206
-5.34183372]

Sample 9615: [4.21982181 0.39687485 0.09802377 8.0089793 4.87885372
-2.08065547 1.01387551 -1.15068049 6.19759395 -10.35332635
2.34952173 5.81001875 10.50602145 -3.29904364 2.93041763
-5.35128795]

Sample 9616: [4.19319421 0.38559818 0.10100885 7.99144786 4.85003161
-2.07157993 1.07470698 -1.17767924 6.19577758 -10.34165908
2.38721662 5.80367797 10.45515855 -3.26217267 2.96505763
-5.45075907]

Sample 9617: [4.14247889 0.45366002 0.06527204 8.03865283 4.81716571
-2.10704716 1.09524242 -1.00337612 6.12434062 -10.34297293
2.37162307 5.78799908 10.45194048 -3.26086138 2.91097077
-5.43420089]

Sample 9618: [4.08249858 0.4826239 0.06155742 8.04298769 4.71916126
-2.09265838 1.14966209 -1.00034092 6.18133776 -10.29874643
2.37278615 5.78354677 10.50706629 -3.24678584 2.9557753
-5.41201071]

Sample 9619: [4.06664217 0.50835747 0.05991623 8.02970335 4.72141634
-2.0758655 1.22748273 -0.99867175 6.15254489 -10.26834187
2.31924689 5.84821435 10.57016177 -3.20728481 2.94388949
-5.41110983]

Sample 9620: [3.983704 0.50092997 0.06349606 8.07131738 4.73164483
-2.13109464 1.24440765 -1.01680113 6.15806349 -10.27537412
2.35917148 5.84658347 10.54112216 -3.25861545 2.93302267
-5.37233732]

Sample 9621: [3.95363889 0.52527978 0.05605184 8.13330937 4.75036314
-2.04507579 1.26480132 -0.96599354 6.13931227 -10.33170092
2.37099972 5.7175852 10.4898679 -3.13879384 2.8266223
-5.51149262]

Sample 9622: [3.94874902 0.53054139 0.05257772 8.08285452 4.7836049
-2.02587072 1.19280784 -0.94014075 6.12119785 -10.32226652
2.44735027 5.66806536 10.53791984 -3.12995908 2.78171065
-5.43363314]

Sample 9623: [3.949809 0.49625967 0.06035511 8.16745933 4.74803231
-2.03870117 1.1431559 -0.9889925 6.20317976 -10.3459335
2.43899108 5.74158046 10.45234706 -3.19339527 2.7154944
-5.43506883]

Sample 9624: [3.94919821 0.46431523 0.06586107 8.23026954 4.84272813
-2.05771091 1.08874355 -1.00530176 6.30274994 -10.40490573
2.45953504 5.73138793 10.4212001 -3.21384498 2.64903365
-5.46989354]

Sample 9625: [4.02534467 0.46017209 0.06204479 8.1514253 4.86320106
-2.02589283 1.05844317 -0.97973662 6.34421714 -10.34379586
2.46962056 5.6367798 10.43373717 -3.25030401 2.7353352
-5.43427691]

Sample 9626: [3.91201355 0.4908709 0.0544114 8.09294347 4.78653618
-2.09367906 1.02300537 -0.94453539 6.2770455 -10.27490895
2.46696768 5.61325036 10.37731196 -3.30463547 2.73548427
-5.46517963]

Sample 9627: [3.92724763 0.4900481 0.05325721 8.08785929 4.74961824
-2.08796223 1.0636881 -0.93492646 6.24078339 -10.2090489
2.4845088 5.60738832 10.4355471 -3.29350892 2.80298416
-5.44274979]

Sample 9628: [3.92965429 0.51099125 0.04712767 8.04712088 4.78989093
-1.97713481 1.03901834 -0.94032543 6.15991958 -10.09899996
2.49042397 5.69246618 10.48154407 -3.29017908 2.78298884
-5.51610151]

Sample 9629: [3.96505568 0.56043692 0.04453338 8.07406325 4.76550681
-1.87276966 0.99354471 -0.86064694 6.17187543 -10.01613812
2.5611891 5.68338884 10.51120916 -3.1717157 2.76419566
-5.49002766]

Sample 9630: [3.92259568 0.57659257 0.05195819 8.02865367 4.81377182
-1.88098882 0.98496485 -0.89177652 6.14361436 -10.03018128
2.56028434 5.73096609 10.42113163 -3.0792074 2.86369122
-5.60336605]

Sample 9631: [3.88514023 0.55135296 0.04633283 7.93369268 4.80596256
 -1.82884091 1.01867582 -0.85267597 6.14022469 -10.01108422
 2.59516617 5.69584823 10.46168547 -3.06450934 2.9131944
 -5.60107465]
 Sample 9632: [3.87426733 0.5280634 0.05053622 7.97727529 4.88207527
 -1.84550365
 0.96666795 -0.90465837 6.17080248 -9.99581697 2.59607795 5.73085518
 10.53951737 -3.04445203 2.8892744 -5.64520638]
 Sample 9633: [3.96830115 0.49660936 0.04928803 7.81645495 4.95439084
 -1.80778293
 0.96990902 -0.87896505 6.07657935 -9.96482351 2.52570101 5.70388718
 10.51228476 -3.03520337 2.89999364 -5.63379971]
 Sample 9634: [4.00781881 0.53738777 0.05413369 7.79492129 4.99360925
 -1.78736647
 1.03986007 -0.9023927 6.03547099 -9.95504708 2.53458696 5.71292089
 10.4278347 -3.19808748 2.92623907 -5.64656494]
 Sample 9635: [4.02485497 0.47331933 0.06420642 7.78128226 4.9457319
 -1.83545291
 1.06957206 -0.93739018 6.04772226 -9.96620141 2.49574415 5.74624864
 10.33876573 -3.2688209 2.93827016 -5.53095332]
 Sample 9636: [4.04931936 0.55449116 0.05215647 7.71331039 4.9297226
 -1.9342033
 1.05642411 -0.88780449 6.07594063 -9.87968775 2.42138511 5.81508358
 10.34857789 -3.38726691 2.92147581 -5.55608126]
 Sample 9637: [4.09577589 0.56127993 0.05313744 7.71124981 4.87519841
 -1.99463281
 1.03488092 -0.86615813 6.12182978 -9.93016449 2.38173847 5.82383956
 10.35929844 -3.35066605 2.94588011 -5.56892991]
 Sample 9638: [4.12142398 0.53965605 0.04920535 7.70586258 4.88510592
 -2.01192314
 1.01328792 -0.89422603 6.10787896 -9.91929459 2.44262807 5.79518809
 10.39274951 -3.3843321 2.93534193 -5.51715404]
 Sample 9639: [4.18553237 0.47692345 0.05531948 7.59481123 4.86507384
 -1.96758853
 1.00371451 -0.92661666 6.06119412 -9.8575952 2.36816277 5.75250591
 10.40202049 -3.21103303 2.93614345 -5.52799001]
 Sample 9640: [4.18443124 0.55536392 0.04831474 7.54821875 4.88182607
 -1.86686784
 1.0110491 -0.87607261 6.10544041 -9.85341492 2.33485079 5.75823152
 10.29681762 -3.30425076 2.92398573 -5.55267048]
 Sample 9641: [4.07299584 0.52856287 0.0544492 7.51062999 4.85734399
 -1.90749585
 1.15944205 -0.89976466 6.13597512 -9.87775675 2.30173313 5.67157632
 10.27569467 -3.27078589 2.96597742 -5.54559299]
 Sample 9642: [4.14022661 0.54841776 0.0562468 7.46473241 4.8805264
 -1.97389466
 1.11292906 -0.895949 6.14073707 -9.92433944 2.19079712 5.72472016
 10.30231664 -3.24009545 2.98553035 -5.60632243]

Sample 9643: [4.21190126 0.554921 0.0511502 7.47345046 4.75516063
-2.00773356
1.16880805 -0.86774977 6.15439269 -9.94708742 2.15237288 5.70605623
10.34488012 -3.26410455 3.03270039 -5.63443181]

Sample 9644: [4.24174497 0.60904993 0.04477504 7.40398097 4.80022999
-2.02996746 1.16108372 -0.86945833 6.22604472 -10.04575532
2.1374434 5.74408074 10.36483873 -3.25288769 3.00994277
-5.65909486]

Sample 9645: [4.20860389 0.60632342 0.05385278 7.46420251 4.83537188
-2.07092901 1.15469466 -0.8442038 6.25933856 -10.03050666
2.19655976 5.71699309 10.27748013 -3.33223051 2.95411854
-5.65240167]

Sample 9646: [4.18406013 0.53152775 0.06122413 7.48111782 4.91195166
-2.05606027 1.1875221 -0.89949939 6.39008045 -10.0613152
2.1727643 5.73485218 10.24607653 -3.40985673 2.89486057
-5.59133922]

Sample 9647: [4.19272564 0.56926574 0.06025852 7.51066409 4.87367999
-2.06948302 1.18461559 -0.87337735 6.40427644 -10.00713532
2.16632484 5.72045775 10.16558593 -3.43315145 2.84582776
-5.61322197]

Sample 9648: [4.20462435 0.53589015 0.06309413 7.54721575 4.90509743
-2.11071218 1.25123159 -0.90898002 6.39482778 -10.01097772
2.10154266 5.66738529 10.12988621 -3.45523506 2.90412009
-5.58282808]

Sample 9649: [4.25359419 0.52572826 0.06862814 7.49678314 4.90647867
-2.14688609 1.28596593 -0.94023861 6.37506049 -10.0762091
2.16719233 5.61484249 10.11171605 -3.48520722 2.8237798
-5.65621241]

Sample 9650: [4.28586274 0.46360882 0.08223548 7.54158994 4.91656381
-2.14881244 1.26765935 -0.99226948 6.37322307 -10.07031725
2.1520151 5.5852598 10.07405574 -3.56400637 2.83763578
-5.60751533]

Sample 9651: [4.32263546 0.48330007 0.07127628 7.4730551 4.90097904
-2.22615767 1.25992216 -0.970317 6.40948195 -10.05296162
2.18361058 5.6277439 10.10711611 -3.4698939 2.97954805
-5.56236971]

Sample 9652: [4.33591122 0.4894074 0.06892878 7.46594301 4.86092694
-2.2103908 1.22512841 -0.97187632 6.43083306 -10.09204153
2.20560349 5.54783169 10.09698034 -3.46887961 2.92902277
-5.60871544]

Sample 9653: [4.30384425 0.49499077 0.0696223 7.53424635 4.82082252
-2.20259856 1.30203735 -0.95389792 6.40488408 -10.09557661
2.17993396 5.48200355 10.14221853 -3.39272274 2.88075996
-5.72917288]

Sample 9654: [4.3203021 0.49325745 0.07286739 7.42492019 4.80515242
-2.13399703 1.34190541 -0.98952335 6.53571553 -10.06810428
2.2197997 5.47152966 10.11813612 -3.42162269 2.87659733
-5.67229031]

Sample 9655: [4.32705237 0.47907807 0.07470706 7.47515352 4.78083089
 -2.13982618 1.3694613 -0.9665599 6.52056187 -10.07010428
 2.12612916 5.4654363 10.08767974 -3.35589273 2.84125061
 -5.80396326]
 Sample 9656: [4.28084994 0.53082907 0.06026851 7.52016039 4.8002082
 -2.11856291 1.33622949 -0.90377652 6.49142434 -10.04830266
 2.10873099 5.40417877 10.10716951 -3.33287056 2.91373989
 -5.79841685]
 Sample 9657: [4.37371563 0.52881073 0.05810743 7.59578517 4.75066781
 -2.17847491 1.31217668 -0.87324372 6.42505725 -10.02026699
 2.08386462 5.44062864 10.08063904 -3.22941779 2.88629949
 -5.86052678]
 Sample 9658: [4.36055028 0.56336531 0.05758232 7.57234619 4.67121182
 -2.22337777 1.33882454 -0.84651223 6.44079818 -10.02738192
 2.0913651 5.39790116 10.07681075 -3.21146942 2.82591008
 -5.98497005]
 Sample 9659: [4.34023875 0.52786344 0.05661297 7.56343899 4.65734031
 -2.2226167 1.31993909 -0.85963505 6.46811028 -10.05883908
 2.00973997 5.34730428 10.12999044 -3.21358439 2.84955429
 -6.00243955]
 Sample 9660: [4.24969329 0.55241815 0.0557008 7.48454864 4.73634526
 -2.25901891 1.30724381 -0.83423888 6.43639672 -10.05064158
 1.99305381 5.42046175 10.12569299 -3.16948788 2.83071175
 -6.08156641]
 Sample 9661: [4.30031507 0.50993009 0.05917288 7.43065708 4.7287896
 -2.29376849 1.23674352 -0.85373857 6.38028404 -10.09095473
 1.98318906 5.42390802 10.0759153 -3.13002929 2.84195881
 -6.04619824]
 Sample 9662: [4.24062951 0.49293353 0.06582037 7.39749754 4.80536853
 -2.30171055 1.25344029 -0.90851397 6.38988685 -10.0431808
 1.98469201 5.41875506 10.14851046 -3.08153446 2.85033388
 -6.04336004]
 Sample 9663: [4.20626822 0.5099671 0.05810853 7.45450336 4.78164866
 -2.26634196
 1.22919467 -0.87193286 6.45733269 -9.99323323 1.93822478 5.41061752
 10.21801373 -3.06379714 2.77466707 -6.05105907]
 Sample 9664: [4.29328857 0.51564622 0.06025084 7.51353164 4.76492858
 -2.29530168 1.31345117 -0.86759963 6.48086129 -10.02921891
 1.96386563 5.44175191 10.22916933 -3.03647163 2.85358358
 -6.04115572]
 Sample 9665: [4.29322579 0.53719025 0.05498847 7.53794112 4.74337354
 -2.34503387 1.29946588 -0.86218533 6.40857972 -10.00359168
 1.92345176 5.37883017 10.20570721 -3.11945733 2.81005819
 -6.05689546]
 Sample 9666: [4.43208459 0.55493888 0.04793473 7.55720644 4.75173206
 -2.35406905
 1.24680497 -0.81985971 6.34155437 -9.9013874 1.89709907 5.36402255
 10.18675303 -3.10048532 2.78473807 -6.02809023]

Sample 9667: [4.36258774 0.58239519 0.04246084 7.5190697 4.78531261
 -2.33715791
 1.21057695 -0.81567736 6.33180057 -9.8814486 1.93922924 5.32093717
 10.2033118 -3.13130496 2.84475177 -6.02570911]
 Sample 9668: [4.36520924 0.54435233 0.04740434 7.42969504 4.70495223
 -2.30995921
 1.11629375 -0.80855531 6.33586509 -9.90784618 1.89908038 5.35735317
 10.22006619 -3.05431717 2.88910898 -6.03896415]
 Sample 9669: [4.35603626 0.48842428 0.0562614 7.54997328 4.70872637
 -2.36224184
 1.1092069 -0.87038177 6.30928703 -9.90620345 1.83168619 5.41776888
 10.25846382 -2.94243115 2.86019664 -6.04138818]
 Sample 9670: [4.36882677 0.52061737 0.05672267 7.52673717 4.67003823
 -2.43817068
 1.13656957 -0.83509128 6.30549184 -9.81550256 1.71345474 5.39954617
 10.34547871 -2.98985913 2.89796509 -6.03981877]
 Sample 9671: [4.34191387 0.54225139 0.05731355 7.62455922 4.70989146
 -2.35103445
 1.20498551 -0.84503048 6.31909073 -9.84519981 1.66374886 5.37338421
 10.31635805 -2.992794 2.97531142 -6.07686541]
 Sample 9672: [4.34631138 0.51507224 0.06143445 7.60025288 4.63999457
 -2.2505234
 1.23062193 -0.85135546 6.3061911 -9.76265005 1.53330258 5.3150321
 10.3670568 -2.96983134 2.98142074 -6.06621905]
 Sample 9673: [4.40482054 0.55966063 0.05811754 7.54198534 4.65299397
 -2.19666516
 1.21547886 -0.85229142 6.31634646 -9.80316602 1.51665205 5.29398875
 10.42088638 -2.92852227 2.95796665 -6.09155436]
 Sample 9674: [4.39046167 0.56659237 0.04897772 7.53940394 4.60218045
 -2.15983066
 1.24407448 -0.79723673 6.31016924 -9.73241543 1.49304031 5.18675033
 10.43141493 -2.86426116 3.02228089 -6.12552049]
 Sample 9675: [4.44289188 0.59310426 0.04569752 7.57009325 4.57339983
 -2.26389937
 1.18877672 -0.82936912 6.27734239 -9.75716434 1.5028527 5.30206871
 10.39213436 -2.84599035 3.05898095 -6.09709897]
 Sample 9676: [4.34757203 0.59626438 0.0506377 7.59623768 4.61690504
 -2.27130225
 1.18928724 -0.78295375 6.20883787 -9.74299766 1.4492988 5.33278361
 10.42231935 -2.86941134 3.07561781 -6.10630753]
 Sample 9677: [4.33089879 0.56728036 0.05055951 7.63789069 4.60050994
 -2.3186741
 1.13646662 -0.8332742 6.216453 -9.64961842 1.35040348 5.38550629
 10.48245566 -2.75528807 3.04984845 -6.15586978]
 Sample 9678: [4.37511356 0.47713767 0.05866503 7.55948493 4.67387825
 -2.3317654
 1.11403129 -0.85516331 6.17820596 -9.68827507 1.32596379 5.34593396
 10.51820227 -2.76382565 3.0183278 -6.10990343]

Sample 9679: [4.30377786 0.49213163 0.05774928 7.54092782 4.72111599
-2.33389075
1.06829771 -0.90140133 6.26058338 -9.64640743 1.35440266 5.33601353
10.52653929 -2.73044681 2.97219101 -6.12343781]
Sample 9680: [4.31371171 0.43812205 0.06214653 7.54509249 4.69171338
-2.45544076
1.06315092 -0.89882623 6.29756749 -9.62160127 1.33358851 5.30148745
10.56407132 -2.69816662 3.02581916 -6.15496194]
Sample 9681: [4.24959275 0.42138295 0.06749553 7.49303404 4.66828933
-2.35295798
0.99682568 -0.91992004 6.28861225 -9.63179016 1.30253783 5.31460523
10.4752983 -2.67931097 2.98562462 -6.21713721]
Sample 9682: [4.20924966 0.42672681 0.06518595 7.52168743 4.73169793
-2.42116698
0.9994757 -0.88531428 6.30244713 -9.64801174 1.30559305 5.24878974
10.37103827 -2.70756513 3.08322341 -6.22236639]
Sample 9683: [4.22024575 0.45391571 0.05524276 7.41425684 4.76224648
-2.39378931
0.98007349 -0.84848352 6.37972512 -9.61320212 1.37027016 5.33165914
10.39648587 -2.74030269 2.9729911 -6.23047252]
Sample 9684: [4.26775663 0.48937527 0.05178166 7.53974534 4.80198758
-2.40383189
0.9825589 -0.81789873 6.4312778 -9.66897997 1.45998533 5.32875813
10.29591683 -2.69851458 3.04443114 -6.17331551]
Sample 9685: [4.29442917 0.51276681 0.04377868 7.50163462 4.81352342
-2.43456933
1.00387427 -0.82171488 6.46859478 -9.71816721 1.46767232 5.43088982
10.34885622 -2.70906448 3.03946938 -6.13552769]
Sample 9686: [4.16897192 0.50256039 0.05038703 7.52314998 4.81931378
-2.50740355
0.93622466 -0.8159237 6.42446944 -9.73995975 1.48940757 5.49706629
10.41720726 -2.7651108 3.00834093 -6.13237758]
Sample 9687: [4.19443145 0.44167927 0.05587378 7.65809167 4.71782904
-2.48730393
0.93436305 -0.87187526 6.38074812 -9.62709556 1.46208297 5.51043909
10.46234142 -2.8312148 3.06952137 -6.23690337]
Sample 9688: [4.18788949 0.44879457 0.05391931 7.61610909 4.6813516
-2.45067381
0.84924125 -0.82982533 6.35026306 -9.58559161 1.4306797 5.40512299
10.48858357 -2.74082388 3.09548774 -6.17848213]
Sample 9689: [4.1757524 0.44235859 0.05185348 7.59143108 4.73268885
-2.49227341
0.75920068 -0.84253792 6.31204905 -9.63164761 1.42594974 5.35653345
10.46040888 -2.77918749 3.14894367 -6.17007344]
Sample 9690: [4.13537195 0.4277092 0.05369497 7.59273853 4.80027523
-2.47049245
0.76105977 -0.83652679 6.36133308 -9.59157143 1.37975434 5.40212815
10.44045621 -2.76203665 3.11822524 -6.13449121]

Sample 9691: [4.11740815 0.47518058 0.05351877 7.5530233 4.6870892
 -2.51405542
 0.7864082 -0.82471073 6.40184322 -9.5638726 1.39692552 5.40959836
 10.47858173 -2.73350857 3.06635819 -6.15185026]
 Sample 9692: [4.14649077 0.40791223 0.06268276 7.63653156 4.72265018
 -2.45731477
 0.78105614 -0.86230829 6.44328741 -9.64736524 1.43153291 5.45612277
 10.5130182 -2.74559987 3.17142693 -6.22393686]
 Sample 9693: [4.04168361 0.45071547 0.05502895 7.63259554 4.70079711
 -2.46313307
 0.82097519 -0.837587 6.48461312 -9.77268618 1.39281695 5.47286913
 10.49960791 -2.80185789 3.19406308 -6.1800518]
 Sample 9694: [4.06108831 0.48915747 0.04437343 7.60621728 4.60051124
 -2.48729058
 0.81241101 -0.79848142 6.44187203 -9.71006894 1.34557425 5.46966514
 10.47736785 -2.71603763 3.20371258 -6.237899]
 Sample 9695: [4.08236154 0.47937686 0.04439634 7.59928239 4.68486306
 -2.52269124
 0.83764259 -0.81341164 6.37026526 -9.70317103 1.29510213 5.45229629
 10.45897092 -2.80997929 3.21420802 -6.23735694]
 Sample 9696: [4.03167904 0.51266413 0.04600122 7.66305976 4.67835495
 -2.53335234
 0.7822938 -0.78841624 6.32395426 -9.67718462 1.33418047 5.38159932
 10.43318859 -2.82884857 3.20820892 -6.21552675]
 Sample 9697: [4.05671798 0.42726331 0.05458395 7.56342661 4.74900014
 -2.50691827
 0.76510166 -0.84035856 6.40234921 -9.70521629 1.39945515 5.37851824
 10.47923148 -2.79976827 3.3225274 -6.16222583]
 Sample 9698: [4.03757365 0.43770347 0.05432976 7.60980958 4.68758722
 -2.47810669
 0.74328424 -0.84963589 6.43434505 -9.72191334 1.4058649 5.36839315
 10.46917298 -2.80134887 3.24165485 -6.11676388]
 Sample 9699: [4.04347372 0.46155728 0.05051768 7.5527385 4.68211367
 -2.49500878
 0.82299594 -0.81766495 6.37566901 -9.70004039 1.31874696 5.41644211
 10.40225981 -2.78821087 3.2309775 -6.13011455]
 Sample 9700: [4.04916847 0.40220657 0.05886016 7.60140715 4.66185764
 -2.54482749
 0.79352455 -0.88840149 6.44072164 -9.7046708 1.26898923 5.39015546
 10.45130403 -2.7726639 3.21019633 -6.10012922]
 Sample 9701: [4.09626102 0.38365115 0.05954491 7.59033006 4.66845459
 -2.55130706
 0.7650457 -0.87923162 6.51773974 -9.63969803 1.28718367 5.27958869
 10.41912963 -2.74939706 3.16863635 -6.06603716]
 Sample 9702: [4.08519102 0.51627655 0.04332272 7.53060307 4.61669275
 -2.55395782
 0.84234161 -0.83663101 6.57269244 -9.61383993 1.32709304 5.25474429
 10.42585651 -2.68645318 3.15302545 -6.01781568]

Sample 9703: [4.08022342 0.48083195 0.05654111 7.50793425 4.60255813
 -2.54535333
 0.94561868 -0.82548647 6.63374335 -9.61471657 1.2711567 5.23456694
 10.46383553 -2.75532288 3.11674329 -6.04021829]
 Sample 9704: [4.10351096 0.51419626 0.05475159 7.50273004 4.527094
 -2.56618611
 0.95412605 -0.83780426 6.69584962 -9.56513982 1.24601248 5.24214175
 10.36870946 -2.77987708 3.11073314 -6.12777844]
 Sample 9705: [4.04522506 0.491012 0.04735518 7.51121237 4.57635316
 -2.63015418
 0.94862335 -0.79536923 6.65045028 -9.506554 1.32228941 5.24148178
 10.4127304 -2.77467727 3.11387687 -6.16430398]
 Sample 9706: [4.04330204 0.46587294 0.05347527 7.47346295 4.52538199
 -2.62776793
 0.94311787 -0.86332598 6.62132278 -9.5607093 1.42455229 5.26823816
 10.3589877 -2.75347495 2.9968288 -6.13877895]
 Sample 9707: [4.06903465 0.46238364 0.05589612 7.43108932 4.58249433
 -2.66750452
 1.02787502 -0.85733221 6.58202116 -9.50642196 1.42949818 5.36160528
 10.46439081 -2.6955931 2.97100441 -6.17964965]
 Sample 9708: [4.04806876 0.49457396 0.047745 7.46402909 4.61170076
 -2.66699012
 1.02177208 -0.83914174 6.61975305 -9.41788365 1.39554037 5.26500254
 10.48501096 -2.72614597 2.89305533 -6.21228518]
 Sample 9709: [3.95227798 0.48115632 0.05406492 7.49736186 4.65881018
 -2.67861801
 0.98320878 -0.84998865 6.56379526 -9.37652515 1.48745765 5.22643904
 10.54267247 -2.86359281 2.79819831 -6.19407518]
 Sample 9710: [3.89693535 0.46692775 0.06180245 7.45819612 4.55346913
 -2.57091475
 1.03420586 -0.86263484 6.51903726 -9.33187189 1.50864535 5.16260105
 10.50158766 -2.92771227 2.81055891 -6.11069932]
 Sample 9711: [3.91133997 0.4085139 0.07561514 7.39871081 4.53418547
 -2.53619354
 0.99160926 -0.95142921 6.50132198 -9.32304579 1.52913508 5.18352816
 10.41282757 -2.81096483 2.82381079 -6.06123007]
 Sample 9712: [3.92947162 0.44200105 0.06474463 7.36835305 4.52020904
 -2.54162605
 1.03878236 -0.86936118 6.3257554 -9.28998838 1.62283552 5.22459285
 10.36217166 -2.77400509 2.72720644 -6.04197476]
 Sample 9713: [3.97251441 0.44573334 0.07113226 7.37610925 4.47154551
 -2.6098564
 1.13065584 -0.93009282 6.31148742 -9.27627 1.59555618 5.22715012
 10.3686807 -2.77479476 2.71256966 -6.06757322]
 Sample 9714: [4.01621805 0.46551235 0.06474602 7.39141538 4.44383412
 -2.57983271
 1.06828286 -0.9081949 6.321256 -9.27130687 1.59836772 5.25611116
 10.44484666 -2.85018902 2.64225326 -6.0840038]

Sample 9715: [4.11053498 0.47473453 0.05554382 7.39583064 4.38509465
 -2.55737866
 1.07779913 -0.83940169 6.35722688 -9.28332236 1.54034302 5.15096566
 10.50080769 -2.85182441 2.64625621 -6.09136841]
 Sample 9716: [4.07686881 0.52502098 0.05847768 7.40268702 4.34579763
 -2.49119391
 1.09766468 -0.86170003 6.40288189 -9.41163482 1.54341707 5.13082917
 10.42878963 -2.87456803 2.68703815 -6.13651925]
 Sample 9717: [4.11301126 0.52891728 0.05204319 7.45686682 4.35512638
 -2.40722819
 1.13368763 -0.807879 6.33945355 -9.39963459 1.63580262 5.21770983
 10.45533893 -2.8070747 2.73091636 -6.0290112]
 Sample 9718: [4.04900688 0.56157457 0.05065737 7.48890759 4.3196484
 -2.45648033
 1.19080848 -0.87932422 6.396406 -9.4514263 1.63526612 5.15680168
 10.4942653 -2.82847402 2.66971555 -5.97395509]
 Sample 9719: [4.0540231 0.53131395 0.05169472 7.51394372 4.28109416
 -2.48573891
 1.19424357 -0.83641727 6.37990894 -9.45871658 1.62985137 5.06835187
 10.58876861 -2.7850825 2.62243324 -5.91390741]
 Sample 9720: [4.00924682 0.57988667 0.04819756 7.51423455 4.29259645
 -2.50933593
 1.27242298 -0.88479288 6.44506146 -9.4138909 1.61697004 5.09263438
 10.63495824 -2.64638456 2.63959532 -5.98876949]
 Sample 9721: [4.00667412 0.58462633 0.04740835 7.49118394 4.21695288
 -2.59740477
 1.2472555 -0.80567855 6.42930065 -9.30584886 1.6330115 5.1895059
 10.66200304 -2.669155 2.7267158 -6.00553602]
 Sample 9722: [3.95940462 0.57757705 0.04833848 7.48365099 4.28677417
 -2.53713844
 1.28157175 -0.89007919 6.46866981 -9.34266641 1.5540446 5.21603435
 10.67278833 -2.6534625 2.72926003 -5.99531839]
 Sample 9723: [3.95417634 0.50402286 0.05701289 7.55838989 4.26602425
 -2.48478461
 1.24514769 -0.85607659 6.40504448 -9.42089968 1.46594485 5.27181838
 10.63932881 -2.69367459 2.72426549 -6.01267542]
 Sample 9724: [3.93715158 0.57790197 0.04912737 7.53952957 4.30374806
 -2.44604815
 1.26034963 -0.89572614 6.33443864 -9.54496687 1.48785351 5.33651575
 10.64086646 -2.74101667 2.67955696 -6.01645877]
 Sample 9725: [3.9404502 0.54477197 0.05224919 7.58648438 4.30868325
 -2.47890736
 1.3496024 -0.86686408 6.33715909 -9.43327579 1.50737948 5.36436354
 10.74011834 -2.84925956 2.62262829 -5.97736166]
 Sample 9726: [3.95574205 0.6043456 0.04866517 7.68103997 4.32367699
 -2.58064353
 1.37961312 -0.88222298 6.30277907 -9.41332236 1.51393607 5.36019557
 10.69644757 -2.79405149 2.58717113 -5.95690523]

Sample 9727: [3.88016136 0.54135729 0.04925329 7.63020768 4.30200945
-2.63543587
1.39139264 -0.87626003 6.24682655 -9.4876193 1.54017885 5.36046192
10.65009621 -2.83381729 2.54316341 -5.97028865]
Sample 9728: [3.86350248 0.61004797 0.05616039 7.59854117 4.28280414
-2.62907011
1.42682348 -0.87849112 6.21743286 -9.49727599 1.50721662 5.33447477
10.65551074 -2.78438418 2.55594171 -5.96647983]
Sample 9729: [3.79941941 0.61629719 0.05478813 7.60157008 4.25871863
-2.57079933
1.48686872 -0.84838442 6.17808299 -9.56466734 1.53236465 5.34011268
10.74191067 -2.7786803 2.60432659 -5.94518389]
Sample 9730: [3.69975264 0.70554331 0.03662191 7.57537268 4.25313171
-2.58145786
1.45090236 -0.84787191 6.15749881 -9.5084557 1.49176784 5.46892448
10.76465166 -2.84230006 2.59709005 -5.9308894]
Sample 9731: [3.78742955 0.6630324 0.05075945 7.57435168 4.21284524
-2.57468827
1.51045301 -0.84267936 6.15264667 -9.50398224 1.48478885 5.3972596
10.77181651 -2.92622887 2.70516609 -5.90354657]
Sample 9732: [3.80000915 0.62121352 0.04337119 7.58672812 4.29526576
-2.58215991
1.39299629 -0.86943174 6.18089426 -9.52547862 1.48501737 5.40416218
10.75614802 -2.86569887 2.73381438 -5.93420513]
Sample 9733: [3.79669431 0.56876806 0.04841325 7.53919223 4.34556954
-2.45825385
1.39182909 -0.884121 6.11925233 -9.58041928 1.4788982 5.45150577
10.79765509 -2.85900621 2.78632395 -5.93751579]
Sample 9734: [3.79669431 0.56876806 0.04841325 7.53919223 4.34556954
-2.45825385
1.39182909 -0.884121 6.11925233 -9.58041928 1.4788982 5.45150577
10.79765509 -2.85900621 2.78632395 -5.93751579]
Sample 9735: [3.84390627 0.57417037 0.04617487 7.56986288 4.34546842
-2.50509373
1.30829816 -0.89763506 6.08941982 -9.45712039 1.52528802 5.4492024
10.82092985 -2.86164671 2.81362972 -5.89178186]
Sample 9736: [3.80790181 0.54733477 0.04934345 7.56884926 4.33402957
-2.5783303
1.2309946 -0.86216042 6.14106407 -9.51973666 1.51418223 5.43847528
10.80182469 -2.88395344 2.84195088 -5.98473367]
Sample 9737: [3.82604505 0.55572526 0.05036478 7.55951199 4.26874161
-2.57246606
1.28565746 -0.88964669 6.05997702 -9.52293703 1.54331138 5.42342848
10.81375911 -2.88629919 2.80239917 -6.05076805]
Sample 9738: [3.77771533 0.56351976 0.04856406 7.67079003 4.33054381
-2.60043514
1.3510107 -0.85547054 6.04502811 -9.48536946 1.71115775 5.35106236
10.78770423 -2.86547619 2.8385888 -6.03374367]

Sample 9739: [3.76197429 0.49897144 0.06450377 7.73278848 4.33751709
-2.59259643
1.29914157 -0.95692252 6.08454542 -9.41793734 1.79871342 5.37425212
10.75027647 -2.81362611 2.81060853 -5.95030295]
Sample 9740: [3.7091969 0.49929118 0.06951136 7.7315052 4.30309941
-2.56422806
1.34920072 -0.98242367 6.0708731 -9.45567793 1.7283812 5.31603888
10.72766143 -2.7834715 2.83346274 -5.83282762]
Sample 9741: [3.67205095 0.50924625 0.07051689 7.73228926 4.32837686
-2.55690346
1.35198776 -0.97508523 6.0515092 -9.44778316 1.78335536 5.33341316
10.70287752 -2.84570806 2.82470254 -5.85190391]
Sample 9742: [3.70024954 0.50730214 0.07180425 7.66882151 4.31337591
-2.5680167
1.35676325 -0.96176503 6.0242375 -9.49431229 1.778439 5.30708854
10.79450481 -2.85697028 2.72048471 -5.79658118]
Sample 9743: [3.75823546 0.536615 0.06017307 7.67242142 4.26074647
-2.58243574
1.28789041 -0.91346452 6.01706914 -9.45166592 1.68528561 5.38122439
10.80416065 -2.8707108 2.73965039 -5.77310099]
Sample 9744: [3.82303571 0.61628947 0.04040638 7.62887222 4.25526281
-2.58297764
1.27479292 -0.88552804 6.03859388 -9.49651596 1.67972263 5.43846619
10.81001317 -2.87205108 2.70327201 -5.73535745]
Sample 9745: [3.90954028 0.53529982 0.05712563 7.57131793 4.24951825
-2.6759946
1.21977967 -0.90729853 6.01874191 -9.47971005 1.61644397 5.37858645
10.78944556 -2.79260578 2.64301454 -5.67384234]
Sample 9746: [3.90876236 0.5226943 0.06047518 7.54123053 4.27371228
-2.67267053
1.21779752 -0.95816298 6.02638575 -9.44178058 1.64140807 5.40802786
10.7554465 -2.77303248 2.67117002 -5.63500446]
Sample 9747: [3.86966932 0.487132 0.0606025 7.48084096 4.32861503
-2.6606385
1.14304343 -0.94548846 6.00339405 -9.40589288 1.64064307 5.40922065
10.77403333 -2.76818366 2.62940447 -5.59873659]
Sample 9748: [3.9002339 0.50919198 0.05377688 7.48340352 4.38750819
-2.68360318
1.1321158 -0.96517539 6.05234806 -9.43552468 1.68171805 5.42393641
10.83173622 -2.8041376 2.60804338 -5.54566101]
Sample 9749: [3.84783358 0.46127989 0.06059792 7.43691701 4.3103755
-2.68548059
1.05852041 -0.98749005 5.99933599 -9.39025894 1.75848441 5.51920048
10.81766517 -2.77113305 2.58324884 -5.54029458]
Sample 9750: [3.90015782 0.47042983 0.06570116 7.47410966 4.25645544
-2.66582466
1.12757286 -1.01022985 6.10955204 -9.42890936 1.67320264 5.52341112
10.79360443 -2.76128871 2.69671246 -5.53151435]

Sample 9751: [3.90294256 0.48028708 0.06489761 7.46468246 4.24009111
 -2.62368016
 1.11547195 -1.01864782 6.12284569 -9.43474225 1.64288266 5.51005638
 10.82915162 -2.72582854 2.76217045 -5.45367951]
 Sample 9752: [3.82540883 0.48307973 0.05862619 7.49312999 4.25646536
 -2.66079297
 1.13099343 -0.97657337 6.04103623 -9.38930863 1.54940748 5.51767521
 10.90917795 -2.72461111 2.70643531 -5.53528482]
 Sample 9753: [3.78013206 0.48165412 0.06161448 7.58903074 4.26059627
 -2.71217477
 1.14642657 -0.99948828 5.98657355 -9.42640312 1.52883249 5.44127974
 10.87876574 -2.69555197 2.64704771 -5.55730722]
 Sample 9754: [3.83675803 0.45116128 0.05919535 7.64474119 4.28778452
 -2.71305948
 1.09812657 -1.00595443 5.99064999 -9.5006328 1.57779493 5.40003954
 10.84032005 -2.62990949 2.68014911 -5.48612196]
 Sample 9755: [3.83838942 0.44808946 0.06589947 7.5836132 4.27967993
 -2.84782809
 1.09661016 -1.06150568 5.99032039 -9.4824122 1.49790111 5.56511858
 10.83356793 -2.57786539 2.68027714 -5.48075146]
 Sample 9756: [3.81397113 0.44375432 0.05947335 7.5434517 4.2032496
 -2.80566237
 1.06814179 -1.00172155 5.98328753 -9.45272269 1.54406201 5.55861365
 10.81507357 -2.59228765 2.62073279 -5.50529166]
 Sample 9757: [3.87027801 0.43890951 0.06823431 7.55345273 4.13004461
 -2.80140742
 1.05870897 -1.05702256 6.04147241 -9.35981268 1.57047931 5.58716124
 10.81662761 -2.56834432 2.58018306 -5.5982855]
 Sample 9758: [3.85975376 0.42365893 0.06972866 7.54974149 4.13921612
 -2.7973897
 1.0048682 -1.05030593 6.09200187 -9.33199353 1.57264903 5.65904003
 10.80680908 -2.5439091 2.54134326 -5.60257879]
 Sample 9759: [3.86413655 0.41643475 0.06554191 7.57674946 4.21653413
 -2.77329015
 0.98285385 -0.98210446 6.17887365 -9.36722746 1.57982193 5.62640846
 10.84422559 -2.57896829 2.59631866 -5.6525498]
 Sample 9760: [3.86173575 0.4547762 0.0583986 7.58245864 4.17074854
 -2.7468006
 0.99759137 -0.99063723 6.3133793 -9.36878445 1.49330706 5.67316969
 10.97739826 -2.52786586 2.59185019 -5.63063305]
 Sample 9761: [3.89353899 0.41166683 0.05981145 7.64187853 4.19690498
 -2.72638333
 0.96101925 -1.021291 6.43010903 -9.35994006 1.41426851 5.6855145
 11.03185443 -2.45271243 2.56363224 -5.63338365]
 Sample 9762: [3.96765622 0.49497195 0.0534413 7.70160403 4.27091056
 -2.74692583
 0.95517246 -0.99939931 6.45743064 -9.38389622 1.38495287 5.72463018
 11.13005804 -2.35685163 2.60150563 -5.60593257]

Sample 9763: [4.05847478 0.40427211 0.06043871 7.71550247 4.26974412
-2.67901287
0.97712966 -0.98946918 6.48513742 -9.38316316 1.394868 5.6746741
11.17908016 -2.32454704 2.6230817 -5.60387749]
Sample 9764: [4.07234242 0.52682719 0.04184832 7.77672634 4.27328011
-2.64781866
0.96618757 -0.95277424 6.37893484 -9.38213724 1.37576936 5.67101516
11.17372434 -2.28272084 2.71302323 -5.64113511]
Sample 9765: [4.11262405 0.50487904 0.05144755 7.82144933 4.26446331
-2.66153502
0.97831253 -0.90989758 6.46652882 -9.35365075 1.32779775 5.72244828
11.24667415 -2.26188343 2.76859381 -5.59461133]
Sample 9766: [4.07709054 0.49027939 0.06222439 7.78936938 4.26330686
-2.66014791
1.05702803 -1.03749614 6.43029599 -9.3560074 1.358547 5.67659642
11.3180392 -2.27883433 2.78000795 -5.609726]
Sample 9767: [4.02551315 0.46740554 0.06929606 7.72952514 4.19091122
-2.67859454
1.12013546 -0.99577904 6.41282056 -9.35519406 1.28072248 5.66305587
11.31025019 -2.29141757 2.68812184 -5.63491712]
Sample 9768: [4.11943317 0.50097439 0.06101521 7.73267902 4.16723254
-2.71968795
1.09866824 -1.02894656 6.42910831 -9.33665196 1.31497101 5.68002718
11.29600933 -2.31098753 2.64076063 -5.6364352]
Sample 9769: [4.12732813 0.46406033 0.06402773 7.72571981 4.17657498
-2.77688441
1.08126403 -1.00608231 6.51511348 -9.23700588 1.33609413 5.69867052
11.22183565 -2.24013427 2.64157386 -5.67448266]
Sample 9770: [4.07645138 0.40813279 0.07911259 7.67415289 4.17271684
-2.79811588
1.02207135 -1.09187522 6.53601844 -9.2177953 1.38061752 5.77060505
11.17786546 -2.26392942 2.6432363 -5.66184513]
Sample 9771: [4.07329225 0.42005744 0.06109241 7.74858113 4.13615404
-2.86357679
0.97980645 -0.99400741 6.47365826 -9.20163725 1.39884544 5.73889711
11.14447087 -2.35733004 2.68144559 -5.71941706]
Sample 9772: [4.08877534 0.48002423 0.0560654 7.73871876 4.19712849
-2.86970137
1.05169233 -0.99376841 6.47116316 -9.16901468 1.32275031 5.72157673
11.1532991 -2.34988337 2.7333049 -5.63139552]
Sample 9773: [4.16433293 0.50869153 0.05039563 7.72604677 4.19926444
-2.9643513
1.01820268 -0.91673273 6.43276391 -9.25249508 1.30197539 5.66271775
11.12005048 -2.44168649 2.74289445 -5.65552565]
Sample 9774: [4.18276772 0.52842818 0.0459094 7.77786833 4.3292749
-3.00619918
0.90625259 -0.91412941 6.44607629 -9.29158127 1.27261829 5.57232009
11.10348661 -2.41139507 2.77535161 -5.6665869]

Sample 9775: [4.22317069 0.46073798 0.05059378 7.71063473 4.34082161
 -2.92619272
 0.88859595 -0.92746718 6.42954167 -9.27943287 1.27246221 5.51858148
 11.14155679 -2.36092018 2.78586598 -5.66348283]
 Sample 9776: [4.27189333 0.5330304 0.05220801 7.66040008 4.31536988
 -2.92239553
 0.97199951 -0.93134904 6.35916215 -9.36247918 1.21335979 5.60385868
 11.11879421 -2.28970707 2.86882141 -5.59444821]
 Sample 9777: [4.2824987 0.48062621 0.0535689 7.65158064 4.37585815
 -2.90403981
 0.98983197 -0.93853454 6.33011227 -9.3048152 1.21038492 5.52294255
 11.131058 -2.24809239 2.9219596 -5.59481709]
 Sample 9778: [4.24591017 0.50617512 0.04591117 7.7219536 4.39480481
 -2.8848527
 1.05753871 -0.9607809 6.27392943 -9.3436992 1.18740736 5.63041684
 11.17256952 -2.32420266 2.90723771 -5.64697124]
 Sample 9779: [4.23648989 0.52193333 0.05829555 7.70329253 4.4204961
 -2.93237602
 1.05745738 -0.93044667 6.32925167 -9.40873094 1.21698315 5.59382832
 11.18855169 -2.39289166 2.90035645 -5.57783539]
 Sample 9780: [4.29468342 0.52447306 0.04523741 7.76050263 4.439947
 -2.92488048
 1.10751612 -0.98015958 6.328221 -9.50079542 1.19670721 5.49590551
 11.16737494 -2.28242373 2.89707652 -5.55405879]
 Sample 9781: [4.23150929 0.49743835 0.05731112 7.77465994 4.49515004
 -2.9521904
 1.11624463 -0.95971852 6.35079793 -9.458119 1.18271375 5.49209483
 11.29219638 -2.30230506 2.89785206 -5.48127893]
 Sample 9782: [4.23458256 0.51694039 0.05134422 7.70774527 4.52909424
 -2.93055461
 1.04846934 -1.00106017 6.34647026 -9.42677549 1.16858333 5.4906729
 11.26010204 -2.26768111 2.89703667 -5.47269188]
 Sample 9783: [4.21361262 0.43417755 0.06872602 7.60538795 4.47616731
 -2.91049978
 1.08281654 -1.0215554 6.27910393 -9.39383704 1.20969168 5.44152588
 11.21418346 -2.30490948 2.86186609 -5.4562277]
 Sample 9784: [4.23937288 0.52030591 0.04820974 7.61247326 4.51089419
 -2.78128013
 1.05340954 -0.98366058 6.22866079 -9.38689456 1.16103612 5.37471786
 11.30554617 -2.24251213 2.89020448 -5.46659058]
 Sample 9785: [4.22675633 0.47390085 0.04878574 7.53232962 4.5737123
 -2.83687898
 0.96788685 -0.98110413 6.18024506 -9.40236239 1.13290478 5.34216284
 11.39988083 -2.21611665 2.96602155 -5.40532045]
 Sample 9786: [4.28121049 0.476909 0.05696295 7.52455464 4.54293708
 -2.73420584
 0.94938184 -1.00426134 6.18285286 -9.30505869 1.08323199 5.3160437
 11.37146518 -2.15742881 2.95419825 -5.40795301]

Sample 9787: [4.34341304 0.40030102 0.06493262 7.63357149 4.63065565
 -2.65528822
 0.87666617 -1.03563847 6.15890943 -9.25238722 1.1122928 5.30194282
 11.26124142 -2.20723779 2.92452014 -5.36871525]
 Sample 9788: [4.39701702 0.47048274 0.05469533 7.61997305 4.56589043
 -2.71516473
 0.8859358 -0.99002942 6.18942596 -9.20453688 1.1048431 5.31580403
 11.23494464 -2.19267235 2.83330301 -5.34364092]
 Sample 9789: [4.44104681 0.42255515 0.05926936 7.67087074 4.58189938
 -2.64455365
 0.81723084 -0.9950509 6.22705779 -9.31293171 1.0726395 5.34758089
 11.2180053 -2.12428485 2.82243367 -5.37554259]
 Sample 9790: [4.42254554 0.4796037 0.04902331 7.70191182 4.58153414
 -2.66440016
 0.73164604 -0.95895894 6.25110427 -9.34172512 1.10828598 5.33049749
 11.22263667 -2.18035562 2.79587975 -5.31692002]
 Sample 9791: [4.36066137 0.42874912 0.05167067 7.65538918 4.63130622
 -2.71012356
 0.70265545 -0.97064013 6.20451218 -9.4492871 1.16523751 5.29158326
 11.17417137 -2.21322436 2.77508125 -5.35109602]
 Sample 9792: [4.35782486 0.4464592 0.04960398 7.67164979 4.74889519
 -2.72074435
 0.74244352 -0.99330567 6.14537929 -9.46560135 1.11876634 5.29963763
 11.25932838 -2.14320537 2.73223163 -5.25794533]
 Sample 9793: [4.41087834 0.42503495 0.05102566 7.71513042 4.75687501
 -2.77358212
 0.64542651 -0.99921997 6.19888541 -9.41159739 1.02042956 5.39076001
 11.29920729 -2.10649904 2.7211232 -5.1960032]
 Sample 9794: [4.48098446 0.42140007 0.05905815 7.70365716 4.68827188
 -2.79892668
 0.70488757 -1.02389585 6.21735871 -9.37366566 1.02475461 5.43376965
 11.29385597 -2.18765919 2.63651502 -5.2698413]
 Sample 9795: [4.49875645 0.39802432 0.05690312 7.69899343 4.66630462
 -2.74874583
 0.78381511 -1.04320981 6.15049238 -9.37937808 0.94025116 5.38026827
 11.32298955 -2.14159228 2.67312925 -5.28176817]
 Sample 9796: [4.51216126 0.43049002 0.0520879 7.63975163 4.63883898
 -2.78751244
 0.74613933 -1.02568315 6.07771218 -9.46486202 0.96448983 5.36757964
 11.30380775 -2.1146501 2.67669536 -5.18741842]
 Sample 9797: [4.61122742 0.41918265 0.06201602 7.58449733 4.71799251
 -2.67492422
 0.7970659 -1.05541214 6.10066178 -9.4423373 1.0153175 5.39773202
 11.34910796 -2.09602239 2.63256022 -5.07648911]
 Sample 9798: [4.64404836 0.44139243 0.0598974 7.51288292 4.709823
 -2.6706349
 0.84672106 -1.04303817 6.07824168 -9.53413016 0.99943922 5.38496801
 11.27486845 -2.11011998 2.64061964 -5.057332]

Sample 9799: [4.7223972 0.43988769 0.06087766 7.49374969 4.74260713
-2.6791282
0.83093664 -1.03231726 6.10256411 -9.61945422 1.01898959 5.32736312
11.2257857 -2.22619013 2.71118579 -5.11017324]
Sample 9800: [4.67668437 0.46356547 0.05624636 7.45633807 4.7532599
-2.68098431
0.90499777 -1.02547529 5.96767581 -9.59207044 1.08107864 5.27288019
11.23606999 -2.2109573 2.78363867 -5.13510672]
Sample 9801: [4.68550445 0.43610891 0.06465756 7.5105794 4.79321886
-2.65069724
0.87233233 -1.04348604 5.95457202 -9.65512133 1.06378365 5.26925881
11.18615106 -2.23774253 2.67847791 -5.0775005]
Sample 9802: [4.64628056 0.41537467 0.07627893 7.58565674 4.81257408
-2.61503922
0.94190861 -1.12543204 5.98913586 -9.63357527 1.21255176 5.29818094
11.2847086 -2.26064759 2.68299865 -5.00500803]
Sample 9803: [4.7065129 0.39005394 0.0847901 7.61745834 4.74002988
-2.52841309
0.90024912 -1.18014745 5.95775917 -9.66302919 1.06315125 5.26087027
11.31633399 -2.31464372 2.64297916 -4.97358894]
Sample 9804: [4.68591419 0.38652966 0.08145592 7.68978487 4.74704072
-2.54961618
0.94483277 -1.15117302 6.01173561 -9.68766442 1.16028784 5.23847725
11.27662211 -2.391211 2.7032422 -4.93452999]
Sample 9805: [4.6748632 0.40892624 0.09196842 7.7063046 4.77241633
-2.6164601
0.9304221 -1.22608267 5.97188671 -9.69371945 1.18733257 5.23653524
11.36884745 -2.44089192 2.7775273 -4.96364346]
Sample 9806: [4.70789831 0.37626424 0.09086506 7.72734698 4.71823504
-2.67292611
0.97976618 -1.20276214 5.94663091 -9.64045007 1.21454697 5.28083072
11.35969107 -2.47042754 2.88719488 -4.9394874]
Sample 9807: [4.75531962 0.41522467 0.09356032 7.69796927 4.75524319
-2.6425544
0.99632102 -1.23330401 5.91502751 -9.69289619 1.22939064 5.30518731
11.26424042 -2.48686637 2.90819109 -4.90739483]
Sample 9808: [4.85845735 0.37058588 0.09744012 7.68949497 4.81864837
-2.55532535
0.9708893 -1.23529207 5.86608636 -9.72327508 1.28110173 5.28332571
11.19127504 -2.47724788 2.95576952 -4.86093523]
Sample 9809: [4.88123464 0.43664441 0.07908326 7.62114463 4.87361664
-2.47173965
0.92661474 -1.16443044 5.9429228 -9.79469811 1.2721228 5.28865286
11.17742848 -2.43232954 3.01451894 -4.87854197]
Sample 9810: [4.92676912 0.38140188 0.08281276 7.56669422 4.91030301
-2.4287079
0.86225509 -1.15928657 5.92413411 -9.79686101 1.30961524 5.35695761
11.13737402 -2.38692302 2.97113529 -4.92461395]

Sample 9811: [4.95714179 0.41858613 0.07188841 7.64631357 4.96413063
 -2.42537152
 0.82566723 -1.12964394 5.82521105 -9.817436 1.31010776 5.3556333
 11.16370276 -2.46614499 3.02734172 -4.91344578]
 Sample 9812: [5.04747156 0.35842 0.08130799 7.73463042 4.97492114
 -2.40949352
 0.80529933 -1.15316763 5.7429907 -9.83516151 1.39148164 5.31010375
 11.24195492 -2.51822038 3.04874629 -4.93286886]
 Sample 9813: [5.07851479 0.38922414 0.07134057 7.70350604 5.04243347
 -2.3897912
 0.76589085 -1.12156787 5.75979079 -9.91498009 1.34621821 5.24211489
 11.28804607 -2.4500793 2.99093227 -4.98182913]
 Sample 9814: [5.09688282 0.39735219 0.06083002 7.6764822 5.06541361
 -2.41936451
 0.74968949 -1.06212117 5.78956585 -9.82356433 1.38432161 5.19704045
 11.24618079 -2.49004057 2.90073347 -4.92240696]
 Sample 9815: [5.08968528 0.46998194 0.05838264 7.66056534 5.10765661
 -2.46966588
 0.81381741 -1.07066146 5.74997681 -9.82716394 1.34599814 5.25625229
 11.30102481 -2.4571045 2.83423563 -4.90699193]
 Sample 9816: [5.09102918 0.41373105 0.05766926 7.67321886 5.0893435
 -2.52200525
 0.80742688 -1.05136239 5.74194918 -9.80807092 1.40934811 5.24388022
 11.20882616 -2.48406369 2.76229865 -4.91172323]
 Sample 9817: [5.05772739 0.43660183 0.06517166 7.76303425 5.10916899
 -2.44722784
 0.84619027 -1.1111931 5.77563771 -9.85979762 1.45247522 5.33575073
 11.26956235 -2.40508984 2.78723164 -4.9596964]
 Sample 9818: [5.01900442 0.41886703 0.05406239 7.7454177 5.08135766
 -2.48212518
 0.80943888 -1.03523604 5.78917713 -9.91530731 1.53284246 5.27286771
 11.3359618 -2.32830165 2.86237703 -4.97801883]
 Sample 9819: [5.01339958 0.4854287 0.05640035 7.73323946 5.12826917
 -2.48944256
 0.72152524 -1.02325324 5.77053229 -9.81172734 1.48980696 5.23558073
 11.31136514 -2.42449148 2.87782371 -5.00129631]
 Sample 9820: [5.09595647 0.3634913 0.06729695 7.7275721 5.11923997
 -2.46173165
 0.73379482 -1.07380979 5.71685267 -9.79170357 1.4789917 5.18359313
 11.28193733 -2.48817079 2.91196013 -5.02031358]
 Sample 9821: [5.14551626 0.42791876 0.06656722 7.70241207 5.0994155
 -2.47565368
 0.77231999 -1.09042158 5.7653878 -9.7828628 1.44780038 5.12663815
 11.29682958 -2.47571311 2.98393721 -5.02369074]
 Sample 9822: [5.05588115 0.38413987 0.0757367 7.69026534 5.1413573
 -2.45825
 0.81194704 -1.10841061 5.77141961 -9.74369068 1.44271392 5.09193336
 11.26983937 -2.52055528 2.94899033 -5.02681668]

Sample 9823: [5.08214031 0.39997218 0.06697566 7.62785848 5.06390343
 -2.49582378
 0.76150067 -1.09169871 5.82206388 -9.73250757 1.38086482 5.17816335
 11.25624151 -2.52123213 2.87585252 -4.97048683]
 Sample 9824: [5.09794641 0.48006929 0.05577581 7.6852897 5.12264366
 -2.51956652
 0.8707571 -1.01807736 5.89027078 -9.72320254 1.39363614 5.18262475
 11.25400609 -2.50493147 2.7843274 -4.95085071]
 Sample 9825: [5.10961436 0.45884906 0.05881727 7.68672497 5.0848019
 -2.53049875
 0.92122081 -1.06199502 5.90875612 -9.68677721 1.42335323 5.22224928
 11.24325529 -2.45815338 2.81735392 -4.93932096]
 Sample 9826: [5.07624997 0.45290798 0.05782056 7.66755955 5.13150545
 -2.49867816
 0.86222364 -1.05990417 5.87465319 -9.7096271 1.46548436 5.2393002
 11.24591044 -2.49683057 2.84449074 -4.94584396]
 Sample 9827: [5.0369673 0.42729335 0.06139994 7.64772682 5.19222831
 -2.46547108
 0.83610007 -1.05459229 5.91301005 -9.75753634 1.44858751 5.21897314
 11.22827199 -2.51100578 2.76909202 -5.00226264]
 Sample 9828: [5.08504313 0.43377521 0.06003856 7.71690644 5.21497785
 -2.46161939
 0.89606175 -1.07182538 5.96779678 -9.77704465 1.36362395 5.22604328
 11.2575641 -2.53917471 2.745919 -5.01955028]
 Sample 9829: [5.05534433 0.45185201 0.05363922 7.77656822 5.18640634
 -2.51072954
 0.85596689 -1.02877631 5.91102871 -9.75086219 1.37318702 5.23077032
 11.32154488 -2.51560388 2.6942302 -5.07691468]
 Sample 9830: [4.96768024 0.38198474 0.07840168 7.7202987 5.14722852
 -2.4641122
 0.90855977 -1.15554882 5.95842684 -9.81463176 1.27123572 5.26985794
 11.28203073 -2.49593342 2.72550915 -5.07459776]
 Sample 9831: [4.94765768 0.47634757 0.05563284 7.68446636 5.11799555
 -2.48881322
 0.94749673 -1.08147598 6.00666808 -9.74206988 1.18310259 5.28261095
 11.28950331 -2.47725706 2.80107882 -5.05305515]
 Sample 9832: [4.99675857 0.46225502 0.06299741 7.698571 5.12454443
 -2.58003574
 0.9772734 -1.00348081 6.01363832 -9.66946244 1.1220164 5.36179322
 11.29517147 -2.35894376 2.6948012 -5.09368909]
 Sample 9833: [5.02419377 0.57399914 0.04169251 7.74291419 5.13425144
 -2.50130891
 0.98806762 -0.99941719 5.99878636 -9.62997968 1.03027976 5.37126447
 11.22874352 -2.3550124 2.70877747 -5.10060221]
 Sample 9834: [5.02425384 0.58194305 0.04519384 7.75380382 5.08920911
 -2.54018965
 0.96289629 -0.94662039 6.03698915 -9.64457487 1.01265449 5.43083914
 11.27720102 -2.34359812 2.7404803 -5.09082088]

Sample 9835: [5.1115427 0.48713431 0.05310851 7.77408351 5.0388758
 -2.51059972
 0.98108785 -1.02797223 6.06608034 -9.68410899 0.93482989 5.39744665
 11.28753469 -2.41048353 2.65817233 -5.09161504]
 Sample 9836: [5.07770632 0.44896544 0.04902431 7.81233638 5.06421778
 -2.51904156
 0.87745466 -1.03555405 6.00384123 -9.65018825 0.98573639 5.36761912
 11.34003453 -2.39604978 2.65307419 -5.14883436]
 Sample 9837: [5.11713493 0.47865513 0.05198056 7.82786187 5.05135385
 -2.47786904
 0.89615318 -1.01752531 5.988325 -9.71827659 0.99242751 5.37297764
 11.32516874 -2.42637092 2.56606305 -5.15674588]
 Sample 9838: [5.23051118 0.4443615 0.05547415 7.7856135 4.94915177
 -2.5516727
 0.90658224 -1.02339057 6.09546925 -9.6540879 1.00903796 5.38585648
 11.3133006 -2.39224456 2.65858503 -5.26729637]
 Sample 9839: [5.20609168 0.41953773 0.05179156 7.7860781 4.93208177
 -2.55861939
 0.79555646 -1.01671091 6.03984077 -9.6561116 0.86783561 5.43085237
 11.31543797 -2.31286786 2.68244425 -5.3220676]
 Sample 9840: [5.23401366 0.45033494 0.05338595 7.73259776 5.02055166
 -2.5110792
 0.8313579 -1.00907774 5.98051577 -9.65202949 0.87040679 5.48479752
 11.24990777 -2.29248794 2.65536943 -5.27016878]
 Sample 9841: [5.30128268 0.48624322 0.04884984 7.80183095 5.03961278
 -2.4737584
 0.80509838 -0.96077009 6.01241999 -9.67552056 0.91030424 5.56218836
 11.32349811 -2.36035146 2.62233675 -5.31352094]
 Sample 9842: [5.32514529 0.41654195 0.04948046 7.77311654 4.97134874
 -2.45646745
 0.74578378 -1.01358438 5.97217696 -9.68823018 0.94948119 5.51039105
 11.35218781 -2.42645391 2.62073939 -5.34449596]
 Sample 9843: [5.26742149 0.40628293 0.0588285 7.70514994 4.97702214
 -2.3620434
 0.7510402 -1.02101506 5.96336268 -9.69790683 0.91154145 5.54451141
 11.31936055 -2.35437406 2.68764916 -5.34796698]
 Sample 9844: [5.26865728 0.47585848 0.04767851 7.78725971 5.01457702
 -2.32288744
 0.8044849 -0.9685058 5.84872018 -9.59228446 0.843106 5.63304225
 11.31181571 -2.4058623 2.78924301 -5.35401239]
 Sample 9845: [5.28916499 0.50735222 0.04406403 7.72598327 5.01885861
 -2.36833367
 0.75597128 -0.94821507 5.83882901 -9.58696711 0.74129732 5.59733207
 11.3467574 -2.41029943 2.74425673 -5.34310978]
 Sample 9846: [5.25399577 0.49280885 0.04567909 7.73716011 5.02413518
 -2.30615916
 0.76110738 -0.95822962 5.88176263 -9.72998434 0.70182185 5.63233052
 11.34496375 -2.41727385 2.70031636 -5.35697029]

Sample 9847: [5.32341067 0.42860504 0.05195453 7.66750264 4.99741025
 -2.22742463
 0.7446076 -0.99687725 5.92826245 -9.79812675 0.67859456 5.72890623
 11.34166283 -2.50518156 2.75715908 -5.30639069]
 Sample 9848: [5.2860514 0.47617405 0.05163976 7.62900244 5.03439037
 -2.23015165
 0.79765473 -0.98090309 5.91070103 -9.8461869 0.63554853 5.73374877
 11.32746468 -2.41891013 2.77119482 -5.31539597]
 Sample 9849: [5.32665691 0.44337775 0.05251481 7.58532094 5.03761847
 -2.21746836
 0.76203678 -0.97939092 5.88412873 -9.77915364 0.62285373 5.67744701
 11.33356443 -2.47269064 2.79607635 -5.36815108]
 Sample 9850: [5.34613744 0.43940205 0.04911773 7.56875425 5.05855885
 -2.23751099
 0.66306571 -0.98061723 5.89941065 -9.84520293 0.5365412 5.69271835
 11.32819444 -2.53327314 2.84201697 -5.35238059]
 Sample 9851: [5.34420611 0.44685385 0.05146151 7.58470846 5.04353666
 -2.27751502
 0.60475984 -0.9593965 5.97647656 -9.82025756 0.47761976 5.72620296
 11.33035003 -2.44641873 2.86029504 -5.33442355]
 Sample 9852: [5.35511104 0.4261489 0.05696155 7.55107764 5.09923231
 -2.29262104
 0.72696676 -0.98964865 5.90479255 -9.71835114 0.46857371 5.7074466
 11.25642008 -2.50564966 2.83489703 -5.41552838]
 Sample 9853: [5.43562706 0.42886817 0.05207498 7.66661089 5.10683699
 -2.32303286
 0.76699103 -1.00404087 5.90420229 -9.68093036 0.50958605 5.70589549
 11.24476824 -2.6312911 2.77302416 -5.35964255]
 Sample 9854: [5.49211061 0.45841815 0.0542773 7.61468645 5.00621602
 -2.22849439
 0.78982156 -0.97902677 5.94667161 -9.76535219 0.42212291 5.65494583
 11.24070336 -2.55319016 2.77577673 -5.30172779]
 Sample 9855: [5.56281998 0.4759076 0.04356696 7.61155008 5.07848157
 -2.16865243
 0.74604224 -0.96408106 5.95342072 -9.79492771 0.38595287 5.71666795
 11.29994661 -2.36182621 2.71702846 -5.35485574]
 Sample 9856: [5.56339278 0.51170179 0.0490315 7.60353594 5.13411466
 -2.17975129
 0.86748111 -0.95537079 5.90615006 -9.83015787 0.40344818 5.63048692
 11.26369444 -2.36640006 2.61922475 -5.3152686]
 Sample 9857: [5.55287427 0.4803747 0.04857705 7.58966896 5.10977172
 -2.12385202
 0.80644626 -0.95841761 5.79812511 -9.94039333 0.42280519 5.73279822
 11.27065031 -2.35530048 2.58862565 -5.42760115]
 Sample 9858: [5.55447825 0.42218969 0.06206723 7.58518934 5.05537148
 -2.02787498
 0.74353687 -1.01666538 5.86417898 -9.9000119 0.35879452 5.73713237
 11.30442389 -2.30147303 2.58449349 -5.3975141]

Sample 9859: [5.54961858 0.39768858 0.04958599 7.5421527 5.12010799
 -1.92830762
 0.67481811 -0.99967159 5.91255102 -9.89510128 0.37729563 5.76970328
 11.3295457 -2.32957491 2.55800136 -5.4771203]
 Sample 9860: [5.57324121 0.42948389 0.06006231 7.44307953 5.13207148
 -1.93587882
 0.67085728 -0.97298562 5.97042775 -9.91779572 0.50657654 5.73730736
 11.28214829 -2.30214064 2.48482284 -5.43522148]
 Sample 9861: [5.53487899 0.46480083 0.04238563 7.43934221 5.13153414
 -2.04340237
 0.80789679 -0.96655684 5.95922615 -9.93549547 0.48919421 5.75339418
 11.34560909 -2.31258771 2.46661392 -5.48954878]
 Sample 9862: [5.52282908 0.48472869 0.05156047 7.50463923 5.12428861
 -2.01772894
 0.87436286 -0.95919469 5.93757671 -9.99966887 0.54032884 5.68393737
 11.39180751 -2.31527983 2.47698582 -5.47964022]
 Sample 9863: [5.57282771 0.54046019 0.04487919 7.49400853 5.15574981
 -1.95265995 0.9260741 -0.92871644 5.92285896 -10.04153416
 0.47563305 5.77619215 11.35539198 -2.23601248 2.4060633
 -5.54965085]
 Sample 9864: [5.57318978 0.47522592 0.05050818 7.48352858 5.08057539
 -1.87784784
 0.9327669 -0.95922824 5.85986027 -9.97410003 0.54085501 5.72258974
 11.38679018 -2.28176921 2.42138409 -5.60939657]
 Sample 9865: [5.56518012 0.44160918 0.05554109 7.45880147 4.98629894
 -1.78208854
 0.8467683 -0.97106207 5.89070128 -9.95083772 0.55902791 5.81746489
 11.39120689 -2.27907702 2.40411703 -5.65338132]
 Sample 9866: [5.50309016 0.40989907 0.06077604 7.38691541 4.92695569
 -1.83260809
 0.8411125 -1.00806793 5.83314293 -9.92153625 0.54946687 5.88579372
 11.43315645 -2.29293873 2.53121223 -5.69906838]
 Sample 9867: [5.53273586 0.4917725 0.05309465 7.41030075 4.97443725
 -1.73264943
 0.91483869 -0.92056967 5.83007741 -9.82068918 0.48974493 5.88933782
 11.40553151 -2.32011618 2.55687258 -5.73026596]
 Sample 9868: [5.62387597 0.48619429 0.04723706 7.45249129 5.00519968
 -1.71504376
 0.95874612 -0.9384609 5.88111267 -9.82601858 0.46354932 5.96128674
 11.39136751 -2.43746082 2.54692214 -5.88140835]
 Sample 9869: [5.61610175 0.50809752 0.05117866 7.48263003 4.93710116
 -1.72665553
 0.96390683 -0.90958927 5.82413567 -9.80189475 0.52951473 5.87536678
 11.40628376 -2.34169873 2.63969001 -5.84441418]
 Sample 9870: [5.53721702 0.51354594 0.04536485 7.54413638 4.96228112
 -1.739377
 1.0394898 -0.93621452 5.86623549 -9.74146485 0.49775199 5.9155034
 11.44824489 -2.39939714 2.65390692 -5.83487516]

Sample 9871: [5.57439905 0.4846482 0.05424851 7.53463173 5.00173122
 -1.70114564
 1.03888551 -0.94328927 5.88123201 -9.67525026 0.54762538 5.83186419
 11.5182816 -2.39563826 2.75693819 -5.86709665]
 Sample 9872: [5.56523051 0.52318766 0.04769506 7.463053 4.9490366
 -1.70531282
 1.04925481 -0.92505196 5.8887931 -9.62519427 0.54332154 5.91559522
 11.6010263 -2.38300288 2.77169303 -5.87918023]
 Sample 9873: [5.63200053 0.55099926 0.04365167 7.47225443 4.92372104
 -1.67314428
 1.03704363 -0.91612978 5.97478955 -9.52200972 0.56682992 5.86414822
 11.50045267 -2.43644098 2.76416517 -5.76840222]
 Sample 9874: [5.61656541 0.4611978 0.05907372 7.45516323 4.92770871
 -1.71761093
 1.0420582 -0.98556269 6.02688848 -9.56005253 0.50092172 5.89308386
 11.47780887 -2.44402794 2.76047212 -5.77363165]
 Sample 9875: [5.5623573 0.50761102 0.05014789 7.49968811 4.88285983
 -1.64968196
 1.01014956 -0.93178264 6.01905865 -9.53303693 0.49169462 5.99089576
 11.5539958 -2.48909981 2.69579872 -5.81473065]
 Sample 9876: [5.5838483 0.52116221 0.04552712 7.499259 4.92328518
 -1.67168725
 0.97641288 -0.94071986 6.0301853 -9.37860944 0.5450823 5.96970259
 11.50955317 -2.47770334 2.68544874 -5.79598716]
 Sample 9877: [5.60359264 0.51419925 0.049227 7.42936545 4.93059569
 -1.6465511
 1.01857612 -0.9236693 6.00539998 -9.32037644 0.55690952 5.91723957
 11.55238245 -2.39091337 2.60815661 -5.79154667]
 Sample 9878: [5.59999269 0.55543726 0.04275673 7.38614136 4.94775698
 -1.6027849
 1.00062942 -0.93521096 6.02621281 -9.33143991 0.53364548 5.98040412
 11.69055272 -2.33099384 2.61520862 -5.75333145]
 Sample 9879: [5.66168539 0.48484806 0.05327796 7.35817346 4.93720653
 -1.53230988
 0.96326213 -0.96231974 5.97969936 -9.21233997 0.59393651 6.04410236
 11.67612326 -2.38404715 2.62860673 -5.72871424]
 Sample 9880: [5.56982936 0.52095602 0.04534779 7.38117013 4.93097736
 -1.50745404
 0.98266587 -0.94928779 5.88688118 -9.15208865 0.57744144 6.01413397
 11.75276997 -2.46435423 2.65879375 -5.70971174]
 Sample 9881: [5.57731324 0.47199248 0.0567057 7.34086532 4.88799442
 -1.52998754
 1.03164825 -0.99876057 5.93269829 -9.11676364 0.55677797 6.0103403
 11.71491045 -2.45744146 2.70570281 -5.7483531]
 Sample 9882: [5.55719148 0.52266802 0.04689737 7.31513352 4.93115664
 -1.48427185
 1.05715062 -0.95939339 5.97451834 -9.14071109 0.62739882 6.00348652
 11.73146542 -2.5191744 2.77799019 -5.7484085]

Sample 9883: [5.50245324 0.50260371 0.04955421 7.27977658 4.98189711
 -1.47557714
 0.9558417 -0.94354413 6.01895749 -9.05894006 0.6835207 5.97253783
 11.64223263 -2.52183393 2.82390023 -5.74163603]
 Sample 9884: [5.50245324 0.50260371 0.04955421 7.27977658 4.98189711
 -1.47557714
 0.9558417 -0.94354413 6.01895749 -9.05894006 0.6835207 5.97253783
 11.64223263 -2.52183393 2.82390023 -5.74163603]
 Sample 9885: [5.44870173 0.49615894 0.04758764 7.28536847 4.91315593
 -1.44749819
 0.93639521 -0.96005333 6.04226056 -9.09527121 0.66713501 5.97201208
 11.74700779 -2.56705329 2.88825907 -5.72774475]
 Sample 9886: [5.45075536 0.51197987 0.04557754 7.33048279 4.94978269
 -1.367065
 0.90516265 -0.93389307 6.02131767 -9.1356773 0.6744497 5.88524864
 11.74602257 -2.51044894 2.85791729 -5.69153543]
 Sample 9887: [5.42468076 0.47000696 0.05050432 7.23915891 4.97510934
 -1.41474563
 0.88195305 -0.97719887 6.01780036 -9.04450948 0.70448229 5.85808508
 11.78236424 -2.40755812 2.85899114 -5.73554367]
 Sample 9888: [5.40198663 0.4335169 0.05887197 7.24771454 4.99014731
 -1.42934018
 0.90888172 -1.01488076 5.95781063 -9.0262341 0.62551155 5.89330553
 11.71174377 -2.31783877 2.85372938 -5.77693382]
 Sample 9889: [5.40146578 0.4105045 0.06081129 7.23256492 5.00626204
 -1.41786749
 0.84983378 -1.01196145 5.99203376 -8.96737641 0.7328496 5.9160075
 11.69604135 -2.35434716 2.82564547 -5.70916767]
 Sample 9890: [5.40249974 0.42722987 0.05734936 7.17799878 5.03554842
 -1.4559141
 0.85193168 -1.00411501 5.99829457 -8.87427969 0.74382132 5.94993698
 11.77511449 -2.35791722 2.82732399 -5.68932013]
 Sample 9891: [5.45402223 0.42504609 0.06376565 7.23303526 4.99806202
 -1.52808994
 0.81852021 -1.02353137 6.03440008 -8.96534346 0.58556831 6.04288626
 11.73385963 -2.32144315 2.76431625 -5.69339308]
 Sample 9892: [5.41736467 0.39019741 0.05584099 7.31743284 4.97760619
 -1.50510909
 0.69922638 -1.01930173 6.0450643 -9.0193605 0.62430264 6.08276115
 11.76617834 -2.36405644 2.70889009 -5.69304904]
 Sample 9893: [5.39742431 0.39490016 0.05275436 7.35709136 4.93722539
 -1.52350853
 0.67090106 -1.0119596 6.02100161 -9.03788388 0.57179041 6.06127102
 11.77641378 -2.35321601 2.61620971 -5.75575234]
 Sample 9894: [5.48079587 0.35925718 0.072057 7.33842058 4.89602162
 -1.55264125
 0.70069842 -1.01301893 5.99993172 -9.02838808 0.62609677 6.04595639
 11.81292766 -2.29932293 2.58125834 -5.73809508]

Sample 9895: [5.42875064 0.42906598 0.05197372 7.26925869 4.92422556
 -1.58648392
 0.6953208 -1.01375456 6.06633964 -8.98124824 0.65227297 5.94829379
 11.81950594 -2.36147899 2.5282573 -5.73046277]
 Sample 9896: [5.40666715 0.46046578 0.04433065 7.18591888 4.87917754
 -1.59708766
 0.65012216 -0.90827396 6.05599806 -9.02770892 0.62000916 5.93523799
 11.88866064 -2.34422615 2.54920543 -5.60639253]
 Sample 9897: [5.46562375 0.44436914 0.04722946 7.10493363 4.91421504
 -1.55894001
 0.62136536 -1.01168525 6.05500324 -9.01568703 0.63279759 5.86210526
 11.86385884 -2.37193269 2.52982767 -5.5993382]
 Sample 9898: [5.45264954 0.44654332 0.04658347 7.07494738 4.98600477
 -1.59183686
 0.69343492 -0.93916286 6.06879478 -8.98785845 0.68033765 5.91689617
 11.82771795 -2.43906537 2.52739457 -5.4378139]
 Sample 9899: [5.40830022 0.47047819 0.04725491 7.08010682 4.98501275
 -1.52988687
 0.60727094 -1.01143948 6.08383738 -9.02775804 0.72819195 5.903394
 11.81224846 -2.43166369 2.60887426 -5.46642499]
 Sample 9900: [5.38526605 0.38729507 0.05290621 7.06079728 5.0765628
 -1.52354415
 0.5825463 -0.98416505 6.03629879 -9.03430032 0.7358095 5.86396021
 11.82411571 -2.39046664 2.69274273 -5.46771022]
 Sample 9901: [5.39058089 0.42158723 0.05212505 6.99854901 5.07549659
 -1.53455735
 0.657478 -1.04340507 6.05433523 -9.05198241 0.73014578 5.85216099
 11.80396866 -2.4136496 2.60263404 -5.53148686]
 Sample 9902: [5.38526277 0.34993446 0.06693405 7.01918573 5.1238439
 -1.47307288
 0.67411267 -1.06937241 5.97632655 -9.01350939 0.75882001 5.83032172
 11.85222886 -2.42533188 2.68342015 -5.47675659]
 Sample 9903: [5.33094141 0.36256482 0.06465092 7.01761908 5.14830623
 -1.38751813
 0.6418281 -1.08638736 5.90545735 -8.9103801 0.90439789 5.83875079
 11.89735832 -2.52239451 2.56011394 -5.47842016]
 Sample 9904: [5.35151684 0.38514189 0.05398986 7.00157703 5.0375662
 -1.34543858
 0.67671076 -1.01645641 5.93448965 -8.95323458 1.00526585 5.91337024
 11.87758832 -2.51006469 2.58973932 -5.57912835]
 Sample 9905: [5.43441905 0.39718782 0.05809011 7.01537797 4.97757941
 -1.42925147
 0.63810613 -1.00986746 5.94238105 -8.98332348 1.09658508 5.9161238
 11.84904148 -2.47776741 2.56891839 -5.56907622]
 Sample 9906: [5.39769664 0.41700967 0.05467015 7.02282295 4.97879839
 -1.3376355
 0.73264455 -1.02424008 5.95513747 -9.06062751 1.08170102 5.90561249
 11.80340266 -2.4552455 2.55444041 -5.50074653]

Sample 9907: [5.42379954 0.36095884 0.06018315 7.06118564 4.90115913
 -1.36773824
 0.67733508 -1.06773253 5.9128986 -8.95366129 1.07779395 5.88413129
 11.75267948 -2.37277996 2.50661574 -5.43488317]
 Sample 9908: [5.43519951 0.41256921 0.05094912 7.0316408 4.9342939
 -1.30156441
 0.63251035 -1.00677013 5.89819057 -9.01061874 1.10781279 5.85603397
 11.73345613 -2.33549515 2.53045437 -5.43481517]
 Sample 9909: [5.43419107 0.44010775 0.04553395 6.92337065 4.96877582
 -1.32325045
 0.58290193 -0.952067 5.90959443 -8.97187283 1.17343868 5.83244591
 11.80475089 -2.39045149 2.5717256 -5.56122416]
 Sample 9910: [5.55004707 0.41038744 0.04622286 6.91742566 4.986218
 -1.36011247
 0.51174241 -0.97745821 5.91030138 -8.90975515 1.17412938 5.7776041
 11.79264274 -2.32025404 2.59911816 -5.55495106]
 Sample 9911: [5.53445082 0.45350689 0.04486316 6.96561296 5.0969075
 -1.38510274
 0.50311819 -0.94694535 5.94387789 -8.94372868 1.25006895 5.86426541
 11.78250201 -2.24922722 2.55801254 -5.49255093]
 Sample 9912: [5.42294013 0.39911536 0.04997168 6.88243695 5.03936027
 -1.47837693
 0.65367571 -0.9983143 5.9722553 -8.93185079 1.2950783 5.84764979
 11.78528518 -2.25947154 2.50188157 -5.56283381]
 Sample 9913: [5.42344923 0.42466091 0.05005378 6.81325629 5.05851656
 -1.44959683
 0.56861683 -0.98012326 5.99375036 -8.94417867 1.25956276 5.87899427
 11.85739853 -2.29091706 2.49640387 -5.5403309]
 Sample 9914: [5.41854241 0.34708626 0.05875806 6.76809371 4.92217673
 -1.41804184
 0.55557816 -1.05096155 6.06569631 -8.93035255 1.21269954 5.7995728
 11.84471678 -2.2961729 2.47714024 -5.5673309]
 Sample 9915: [5.31866164 0.39507529 0.05110381 6.73351621 4.93691292
 -1.46026498
 0.58952574 -0.99960579 6.07893099 -8.9258744 1.19322922 5.83690697
 11.8172963 -2.29780332 2.54212103 -5.6477445]
 Sample 9916: [5.35621542 0.38385648 0.05435383 6.66579347 4.93479559
 -1.46351068
 0.59466273 -0.99256069 5.92076729 -8.92851011 1.1673505 5.80122277
 11.79685832 -2.30814423 2.63851379 -5.61191993]
 Sample 9917: [5.38258812 0.43579265 0.04410457 6.70992279 4.91846673
 -1.44346455
 0.56155397 -0.96118097 5.92211349 -8.97442385 1.10685913 5.83427025
 11.82111879 -2.29657416 2.64693064 -5.56381436]
 Sample 9918: [5.35707119 0.38308217 0.05381874 6.74924805 5.07863743
 -1.40203885
 0.60549209 -0.99552616 5.95653638 -8.96985551 1.20669105 5.75973724
 11.77598685 -2.25518581 2.6262764 -5.63482852]

Sample 9919: [5.41547361 0.40110914 0.05121348 6.71780802 4.98395771
 -1.45855926
 0.556771 -0.98474516 5.95383379 -8.92502941 1.14874304 5.68533208
 11.77423796 -2.31902451 2.62158498 -5.67342574]
 Sample 9920: [5.41851829 0.36768241 0.05214265 6.70226757 4.90663437
 -1.44681298
 0.48995261 -0.96305073 5.86137564 -8.94168644 1.06465957 5.67506262
 11.64054948 -2.34694715 2.62691521 -5.74504794]
 Sample 9921: [5.35410571 0.33633657 0.05853563 6.62985461 4.88742629
 -1.45726189
 0.47492188 -1.00795142 5.88422479 -8.88730756 1.12837422 5.6917291
 11.72373232 -2.37479365 2.62677379 -5.74198443]
 Sample 9922: [5.44378592 0.32466758 0.06079124 6.69450084 4.88165878
 -1.43846378
 0.4221144 -1.03369108 5.79722061 -8.93816914 1.16513243 5.66703935
 11.67816261 -2.38176978 2.59554819 -5.77093975]
 Sample 9923: [5.48299616 0.3353115 0.05387007 6.6737678 4.92444821
 -1.48556382
 0.45474814 -0.99618838 5.72461154 -8.9446581 1.10699028 5.67519801
 11.64869612 -2.28931251 2.63309201 -5.73668949]
 Sample 9924: [5.53418053 0.40888409 0.05003009 6.63606017 4.94818667
 -1.36135746
 0.41915551 -0.94295463 5.73932444 -8.93098669 1.17250141 5.66442036
 11.67440672 -2.2932803 2.60786658 -5.66570199]
 Sample 9925: [5.58542677 0.40023514 0.04247543 6.64351683 4.94943901
 -1.40842426
 0.45465435 -0.9398018 5.76931819 -8.92489595 1.17435273 5.5977928
 11.60863913 -2.31275897 2.60395317 -5.68551388]
 Sample 9926: [5.62557803 0.34704816 0.05566189 6.49003915 4.93658464
 -1.36222344
 0.47186466 -0.99415822 5.77326818 -8.86525787 1.08677802 5.62507211
 11.62880875 -2.29786096 2.55383286 -5.66132048]
 Sample 9927: [5.66322293 0.30928529 0.06009805 6.40729872 4.90631077
 -1.34081531
 0.43279026 -1.02461255 5.79837246 -8.82586685 1.13912768 5.51978278
 11.51508429 -2.32249098 2.47569419 -5.64477083]
 Sample 9928: [5.68207672 0.32757234 0.0609359 6.31243922 4.95578648
 -1.29142533
 0.41516063 -1.01171165 5.84057639 -8.85232675 1.15955554 5.54906446
 11.48296709 -2.25499662 2.44658332 -5.6390715]
 Sample 9929: [5.65789533 0.33853925 0.05277528 6.20250417 4.92089201
 -1.32557831
 0.39905041 -0.98481887 5.86838003 -8.88316078 1.20602847 5.61628108
 11.53825048 -2.28758983 2.40879346 -5.65132395]
 Sample 9930: [5.67235003 0.3166852 0.05164752 6.17609588 4.93637828
 -1.32869692
 0.34866658 -0.98575967 5.92219621 -8.84529689 1.20704844 5.6258062
 11.51223826 -2.26271655 2.47225233 -5.76074747]

Sample 9931: [5.70932401 0.26891512 0.06856723 6.13216318 4.89092974
 -1.28677308
 0.32254567 -1.06278499 5.93573965 -8.78698271 1.22314726 5.62243845
 11.46577184 -2.26885683 2.52888516 -5.72026851]
 Sample 9932: [5.63962969 0.28471033 0.07031077 6.1175364 4.99110522
 -1.32140876
 0.31116484 -1.06300713 5.92717081 -8.78605763 1.18347975 5.67895846
 11.45624295 -2.30121307 2.47630766 -5.6271856]
 Sample 9933: [5.63488341 0.30073376 0.05685667 6.16714054 4.91263874
 -1.34474517
 0.25691102 -1.01291431 5.95197933 -8.72273056 1.2059607 5.71039205
 11.4361895 -2.3002112 2.49071888 -5.63099371]
 Sample 9934: [5.63120121 0.31142288 0.05316355 6.23459996 4.85676718
 -1.399135
 0.3029881 -0.9817965 6.01196162 -8.7226731 1.20541139 5.67459709
 11.41415818 -2.34475548 2.45692841 -5.70436894]
 Sample 9935: [5.51014625 0.35218436 0.05607319 6.18459193 4.80943696
 -1.41630888
 0.35984793 -0.94307728 6.00506967 -8.75226035 1.2284784 5.5872206
 11.40017596 -2.39418487 2.45694328 -5.7930944]
 Sample 9936: [5.56352887 0.34826121 0.04518493 6.15601929 4.75871388
 -1.32591731
 0.35030219 -0.94260085 5.93103452 -8.76999944 1.24142774 5.62113317
 11.3403077 -2.32391513 2.45369109 -5.84499868]
 Sample 9937: [5.60256502 0.35682756 0.05186973 6.1775638 4.86733332
 -1.313584
 0.35520332 -0.93624112 5.96703038 -8.76625987 1.21885832 5.62377654
 11.35289943 -2.35034636 2.54566717 -5.79681532]
 Sample 9938: [5.51404395 0.29164711 0.05482546 6.19543764 4.8715668
 -1.2542126
 0.25660391 -0.97186558 6.03738771 -8.79276568 1.26195937 5.60424347
 11.44867046 -2.40804451 2.50958267 -5.86853184]
 Sample 9939: [5.49864761 0.25429785 0.07014591 6.1989256 4.95402226
 -1.28470427
 0.30722894 -1.06565699 6.13665825 -8.76099738 1.2829003 5.60862237
 11.48858121 -2.33588809 2.46592838 -5.82785346]
 Sample 9940: [5.51075905 0.2436 0.07435616 6.23478427 4.94040909
 -1.29501081
 0.31503809 -1.11262847 6.16098816 -8.73785812 1.33261224 5.64349342
 11.47232474 -2.31439095 2.51077408 -5.85520657]
 Sample 9941: [5.65062038 0.27138724 0.06717272 6.28839446 4.92874666
 -1.30818428
 0.35215983 -1.06231065 6.13963981 -8.79163779 1.28171514 5.65259575
 11.51210077 -2.29073789 2.64513304 -5.84911066]
 Sample 9942: [5.63050194 0.27627788 0.06353652 6.28285312 4.78623825
 -1.27456719
 0.34160529 -1.04335134 6.16297943 -8.73904171 1.22292657 5.68788117
 11.53244424 -2.30127761 2.62531616 -5.94919559]

Sample 9943: [5.58006167 0.27367126 0.06412035 6.34033714 4.74367467
-1.27068081
0.3528249 -1.06172497 6.11047538 -8.74141628 1.1405664 5.5684821
11.50302877 -2.35345079 2.59877469 -5.89058447]
Sample 9944: [5.62653095 0.27628635 0.06738327 6.4129582 4.85464751
-1.27179548
0.31590664 -1.06505344 6.06846457 -8.69640788 1.14349825 5.64186339
11.49884274 -2.34713175 2.62334036 -5.87908161]
Sample 9945: [5.7082802 0.26553962 0.07237336 6.40835138 4.96190801
-1.26574251
0.29748863 -1.07307515 6.12178173 -8.68412877 1.1090083 5.67011993
11.40986755 -2.30113505 2.61505536 -5.89659587]
Sample 9946: [5.72740236 0.32290385 0.06129836 6.39887287 5.02275272
-1.26485875
0.35329382 -0.97944373 6.12665922 -8.7433384 1.13151778 5.68460899
11.46610457 -2.35508242 2.66276997 -5.88596487]
Sample 9947: [5.80660103 0.3401457 0.05089728 6.42988913 5.07840539
-1.35631962
0.36909552 -0.94928315 6.18927831 -8.81443442 1.17346936 5.65590671
11.52742051 -2.32531579 2.64191443 -5.96260125]
Sample 9948: [5.80862601 0.2924895 0.06800106 6.43312315 5.14345723
-1.39662709
0.42247882 -0.97720357 6.25179411 -8.78443534 1.12801183 5.60936239
11.51893541 -2.36979093 2.64394071 -5.97746002]
Sample 9949: [5.80524906 0.27292979 0.07772777 6.38283595 5.13254492
-1.37227469
0.40293121 -1.056518 6.26233428 -8.85264529 1.11611101 5.61930084
11.52498339 -2.31253085 2.75058474 -6.03145737]
Sample 9950: [5.87878189 0.25625476 0.07836716 6.35554271 5.1335627
-1.38191041
0.40889557 -1.09455463 6.26577812 -8.89298365 1.12433477 5.61884356
11.47599481 -2.26370274 2.82416486 -6.04912271]
Sample 9951: [5.87972862 0.24399179 0.08981421 6.2906045 5.09863392
-1.32219968
0.4608977 -1.15366984 6.20728116 -8.8058917 1.08944785 5.58121484
11.42675817 -2.24439441 2.80255628 -6.05065067]
Sample 9952: [5.93990712 0.22756449 0.08547846 6.34417383 5.0986478
-1.33776231
0.36813647 -1.15198872 6.17349232 -8.72254498 1.05204195 5.6597129
11.42358436 -2.29036188 2.89648331 -6.0914959]
Sample 9953: [5.93695904 0.23725031 0.08271851 6.40746887 5.05616186
-1.41600551
0.35310122 -1.11022164 6.24473246 -8.69999614 1.06987066 5.64639734
11.41236133 -2.32593758 2.93781372 -6.06462214]
Sample 9954: [5.96218167 0.26076356 0.07689096 6.42851152 5.02045333
-1.46523741
0.40363026 -1.05936084 6.30672966 -8.74439105 1.08131568 5.51412363
11.41157117 -2.35091751 2.8636009 -5.99040509]

Sample 9955: [5.96944422 0.2566282 0.07844146 6.40042071 4.96048508
 -1.45736452
 0.42526233 -1.09065193 6.23857064 -8.69936638 1.08205629 5.50059759
 11.45503388 -2.40907489 2.87933468 -6.02118784]
 Sample 9956: [5.95912634 0.2683109 0.08179618 6.48825796 4.93700416
 -1.41959535
 0.46328332 -1.0802819 6.26573316 -8.67410843 1.12247207 5.48453899
 11.52083487 -2.38465163 2.80987362 -6.04579539]
 Sample 9957: [5.90050174 0.24867469 0.08604492 6.4671585 4.91335664
 -1.38712886
 0.47383511 -1.0974249 6.33759634 -8.69484236 1.1213495 5.44546582
 11.47018869 -2.32534421 2.78966518 -6.04869977]
 Sample 9958: [5.86903658 0.24655685 0.08499027 6.50524155 4.87280365
 -1.37706643
 0.48754639 -1.12606873 6.26894671 -8.58151382 1.25707824 5.47126047
 11.53095069 -2.3144387 2.73482591 -6.07684893]
 Sample 9959: [5.91955829 0.24678513 0.08878275 6.366598 4.88137924
 -1.42370483
 0.50739053 -1.13442634 6.33995608 -8.58407119 1.24650222 5.49341981
 11.53794357 -2.36501413 2.80681781 -6.19630094]
 Sample 9960: [5.94234584 0.23627158 0.0834324 6.33204917 4.79682588
 -1.47867324
 0.47420248 -1.11479049 6.40872026 -8.53380074 1.20600484 5.45767697
 11.60016336 -2.44129443 2.79807851 -6.21369536]
 Sample 9961: [5.85590751 0.23225963 0.09248721 6.43907581 4.77133503
 -1.51791508
 0.48339206 -1.14454963 6.4139681 -8.51277844 1.28149932 5.52689306
 11.58090881 -2.36630065 2.84762781 -6.18176079]
 Sample 9962: [5.93946683 0.23178695 0.09547007 6.51390569 4.85395116
 -1.51256963
 0.51129452 -1.16018135 6.3872688 -8.47636918 1.23005226 5.5026729
 11.63379278 -2.38355232 2.78975842 -6.23409312]
 Sample 9963: [5.91095261 0.22498657 0.09934281 6.52021606 4.86892497
 -1.49213321
 0.4857639 -1.17084182 6.48368009 -8.51291475 1.29206807 5.47103408
 11.62959836 -2.3241108 2.81925032 -6.24814819]
 Sample 9964: [5.93588484 0.22014384 0.09133784 6.52414278 4.89100471
 -1.38848156
 0.4100587 -1.16181002 6.42144234 -8.51131711 1.25498784 5.50042879
 11.68306794 -2.25869023 2.90106157 -6.15836546]
 Sample 9965: [5.98661941 0.20095323 0.10830343 6.54417152 4.94749156
 -1.39699321
 0.39876652 -1.2833175 6.38104626 -8.53472094 1.40027856 5.49778929
 11.79117537 -2.29027526 2.91123544 -6.12301564]
 Sample 9966: [5.98312835 0.2080642 0.12504417 6.63592144 4.97794927
 -1.32873408
 0.46681323 -1.3480564 6.34136589 -8.53578749 1.4159411 5.47335907
 11.80064941 -2.3068906 2.98591442 -6.11282217]

Sample 9967: [5.94830104 0.21790298 0.09959726 6.60183485 4.99347405
 -1.39168294
 0.43194033 -1.23223417 6.41036191 -8.53570667 1.39326707 5.44042094
 11.92051258 -2.32185985 2.99224543 -6.06219231]
 Sample 9968: [5.98649422 0.20295204 0.10829271 6.61062904 5.0290146
 -1.42998048
 0.39420408 -1.29894338 6.41462611 -8.57111704 1.38438848 5.38829683
 11.92364355 -2.34648208 2.91843333 -6.11154472]
 Sample 9969: [5.9704587 0.20866113 0.11189376 6.61250538 5.07996956
 -1.44223689
 0.41779538 -1.30475664 6.41289596 -8.61981256 1.33737669 5.4508913
 11.89490496 -2.34663997 2.94698735 -6.13714115]
 Sample 9970: [6.03474864 0.22997863 0.11991386 6.67404376 5.15094476
 -1.48581374
 0.56660946 -1.29682467 6.39986608 -8.56340604 1.42470627 5.4194745
 11.7677625 -2.32713615 2.88846386 -6.19660687]
 Sample 9971: [6.02843364 0.21838263 0.12145361 6.53650275 5.13152508
 -1.50601457
 0.53657599 -1.30057539 6.49772263 -8.44437412 1.4353608 5.3659991
 11.76003008 -2.32206544 2.85608803 -6.23689333]
 Sample 9972: [6.05037451 0.23147291 0.11566799 6.46904802 5.16501157
 -1.48202634
 0.53685379 -1.26941323 6.49673333 -8.51263048 1.36164858 5.36413088
 11.72783758 -2.24998943 2.84903454 -6.20839281]
 Sample 9973: [6.06798256 0.21583971 0.11561195 6.49680066 5.22570425
 -1.35552403
 0.43614604 -1.29413857 6.43530572 -8.47608899 1.39351711 5.34683126
 11.67187921 -2.31171321 2.87975915 -6.25433656]
 Sample 9974: [6.10305666 0.22662694 0.09504254 6.5890332 5.200774
 -1.34589292
 0.40095415 -1.19538291 6.46216048 -8.44745574 1.42534611 5.36928887
 11.62659807 -2.31228385 2.7758954 -6.16858705]
 Sample 9975: [6.14212836 0.22149184 0.09289935 6.63479301 5.26340658
 -1.45025691
 0.36496002 -1.16417173 6.44213498 -8.41039651 1.37267511 5.36705441
 11.56207846 -2.29962023 2.79494442 -6.20917306]
 Sample 9976: [6.15726725 0.20819995 0.10540899 6.56999752 5.1516451
 -1.4625104
 0.38701367 -1.23571476 6.41258904 -8.42005726 1.36485156 5.3284321
 11.57566537 -2.31748426 2.76652519 -6.19102721]
 Sample 9977: [6.18687118 0.20499373 0.09503258 6.55472891 5.18746212
 -1.5243153
 0.36178085 -1.19970797 6.48096356 -8.40624297 1.34326485 5.35757365
 11.5551471 -2.30565763 2.74402441 -6.28740971]
 Sample 9978: [6.19565314 0.21996064 0.09452193 6.54484983 5.21848494
 -1.56810902
 0.41684864 -1.17483158 6.53669988 -8.47582693 1.38413653 5.32561046
 11.54018488 -2.25823809 2.78951594 -6.24693892]

Sample 9979: [6.21809878 0.2345476 0.09210338 6.63465184 5.29750148
 -1.53448562
 0.46166802 -1.15949791 6.55090056 -8.4863286 1.46818166 5.46812079
 11.57050808 -2.31563416 2.82242047 -6.18533989]
 Sample 9980: [6.25645184 0.21198382 0.09374077 6.56167443 5.27339475
 -1.46644264
 0.39051012 -1.21661318 6.4891045 -8.51216592 1.53297384 5.40050604
 11.60740914 -2.31407659 2.83400628 -6.09351976]
 Sample 9981: [6.32416182 0.23472585 0.09036463 6.65442663 5.36393555
 -1.41070097
 0.45472918 -1.17539808 6.52710849 -8.5395839 1.4937319 5.4418919
 11.64489072 -2.33194664 2.8991744 -6.12033612]
 Sample 9982: [6.35617474 0.22428816 0.07907762 6.61851667 5.377704
 -1.27616461
 0.35424383 -1.13864544 6.49548176 -8.59384902 1.46611155 5.47347003
 11.65457299 -2.28837677 2.93449619 -6.18314502]
 Sample 9983: [6.32247162 0.23471502 0.08855196 6.59592984 5.37982055
 -1.30048824
 0.43410998 -1.15237924 6.47169774 -8.66908799 1.46267916 5.56981385
 11.59560313 -2.26608589 2.99226128 -6.20045736]
 Sample 9984: [6.40008924 0.24195576 0.0827799 6.66792843 5.40815368
 -1.30513296
 0.41646349 -1.12256058 6.48109059 -8.59780594 1.47133891 5.54911925
 11.65807215 -2.18785758 2.98077978 -6.12976938]
 Sample 9985: [6.45819661 0.23961135 0.08772355 6.69826373 5.42622326
 -1.27525416
 0.40754483 -1.14211488 6.48796211 -8.59480347 1.49386827 5.54387234
 11.6735756 -2.10186011 2.98710432 -6.07947373]
 Sample 9986: [6.35123556 0.23401436 0.08806567 6.75169371 5.32452402
 -1.3175457
 0.40457342 -1.17048642 6.38941847 -8.61517957 1.56062953 5.57269802
 11.69530871 -2.10480772 2.93059273 -6.05122838]
 Sample 9987: [6.42072865 0.24286654 0.09594933 6.7634346 5.35966702
 -1.38282433
 0.46730388 -1.19524301 6.39171015 -8.65618674 1.49453468 5.69770447
 11.65863485 -2.16416535 2.86921916 -6.03300977]
 Sample 9988: [6.43460923 0.25421717 0.08932578 6.68471264 5.37269549
 -1.48054434
 0.49835631 -1.15894359 6.40708833 -8.65116865 1.49399299 5.70482171
 11.72987486 -2.16970859 2.82402183 -6.00950203]
 Sample 9989: [6.43288523 0.26663556 0.08171268 6.64647419 5.34345091
 -1.39681119
 0.55219315 -1.13756626 6.45537076 -8.60189805 1.42628047 5.7064627
 11.79984951 -2.16264664 2.75345506 -6.0465177]
 Sample 9990: [6.3568287 0.25906727 0.08999527 6.66741371 5.28199851
 -1.4702939
 0.54270119 -1.1893279 6.54735506 -8.56235641 1.50195272 5.71477909
 11.79044439 -2.10402829 2.66970508 -6.05433565]

Sample 9991: [6.3394948 0.30148483 0.07154129 6.75792314 5.28771965
-1.50808315
0.62125818 -1.0880394 6.50491806 -8.46800628 1.545613 5.72576835
11.85122423 -2.22840525 2.59985564 -6.01983483]
Sample 9992: [6.41486984 0.35088388 0.05911613 6.69067893 5.2862218
-1.53166911
0.61468952 -0.98930915 6.52675542 -8.44875569 1.5408989 5.73428925
11.88404912 -2.15259821 2.61419397 -6.01668389]
Sample 9993: [6.42183997 0.3767372 0.05665416 6.59777643 5.40477732
-1.54900636
0.57205735 -0.9816224 6.49252155 -8.39488084 1.50944131 5.6659288
11.8317434 -2.15354366 2.65105248 -6.00555368]
Sample 9994: [6.36154913 0.35059851 0.05053608 6.53541747 5.42485546
-1.55340801
0.51299005 -0.94498393 6.3870186 -8.34964381 1.55010727 5.71139801
11.85627255 -2.00198372 2.63507587 -6.02245746]
Sample 9995: [6.40533907 0.4392502 0.04489478 6.49857029 5.43624571
-1.52748508
0.45195527 -0.92000566 6.32410867 -8.41767693 1.64270778 5.72973149
11.88513471 -2.02687328 2.63335895 -5.97541406]
Sample 9996: [6.40962869 0.39908655 0.04134948 6.55269814 5.45003422
-1.49917811
0.44102686 -0.90078166 6.35505676 -8.34386958 1.64089841 5.72165434
11.7909536 -1.94660073 2.53051513 -5.94105544]
Sample 9997: [6.53029131 0.38154044 0.0531934 6.56388891 5.46652025
-1.53269582
0.52844996 -0.94690833 6.31484875 -8.34336046 1.66298689 5.64492411
11.79432022 -1.99177 2.49557675 -6.04553891]
Sample 9998: [6.5527775 0.34977145 0.05828393 6.51574498 5.51036821
-1.52863151
0.57364778 -0.98548186 6.36338884 -8.30380004 1.66386471 5.51808338
11.85009124 -1.97496264 2.53908697 -6.08509396]
Sample 9999: [6.58016464 0.36774404 0.05078024 6.48302559 5.50790235
-1.57343322
0.56099248 -0.94939353 6.42989751 -8.29748375 1.68724176 5.53079522
11.85621971 -1.98253433 2.58138422 -6.01667315]

```
[15]: print(posterior_samples.shape)
burned_posterior_samples = posterior_samples[int(params['burn_in'] *
↳posterior_samples.shape[0]):, :]
print(burned_posterior_samples.shape)
thinned_posterior_samples = burned_posterior_samples[:,
↳params['thinning_factor']]
print(thinned_posterior_samples.shape)
```

```
(10000, 16)
(9000, 16)
(4500, 16)
```

[33]: *# may need to rerun. I don't know why, but doesn't always display plots*

```
from IPython.display import Image
import plotly.express as px
import plotly.io as pio
import time

x = np.arange(thinned_posterior_samples.shape[0])
for i in range(thinned_posterior_samples.shape[1]):
    fig = px.line(x=x, y=thinned_posterior_samples[:, i], labels={'x': 'Sample_↵
    ↵Number', 'y': 'Weight {}'.format(i)})
    fig.show()
    time.sleep(3)
```

4. (**Visualize the Posterior Predictive**) Visualize 100 samples, randomly selected, from your posterior samples of \mathbf{W} , by plotting their predicted values plus a random noise $\epsilon \sim \mathcal{N}(0, 0.5^2)$ at 100 equally spaced x-values between -8 and 8:

```
x_test = np.linspace(-8, 8, 100)
y_test = nn.forward(sample, x_test.reshape((1, -1)))
```

where `sample` is a posterior sample of \mathbf{W} .

```
[31]: from IPython.display import Image
import plotly.express as px
import plotly.io as pio

sample_indices = numpy.random.choice(
    np.arange(thinned_posterior_samples.shape[0]),
    size=100,
    replace=False)

print(sample_indices)
xs, ys = [], []
x_test = np.linspace(-8, 8, 100)
for sample_idx in sample_indices:
    y_test = nn.forward(
        thinned_posterior_samples[sample_idx,].reshape((1, -1)),
        x_test.reshape((1, -1))).squeeze()
    y_test += numpy.random.normal(loc=0, scale=0.5, size=y_test.shape)
    xs.append(x_test)
    ys.append(y_test)
xs = numpy.concatenate(xs)
ys = numpy.concatenate(ys)

y_test = nn.forward(nn.weights, x_test.reshape((1, -1))).squeeze()
```



```

# #visualize our learned model
plot_data = [
    go.Scatter(x=xs, y=ys, mode='markers', name='Posterior Predictive'),
    go.Scatter(x=x_test, y=y_test, name='MLE'),
    go.Scatter(x=data['x'].values, y=data['y'].values, mode='markers',
        name='Original Data')]
fig = go.Figure(data=plot_data)
# fig.show()
Image(pio.to_image(fig, format='png'))

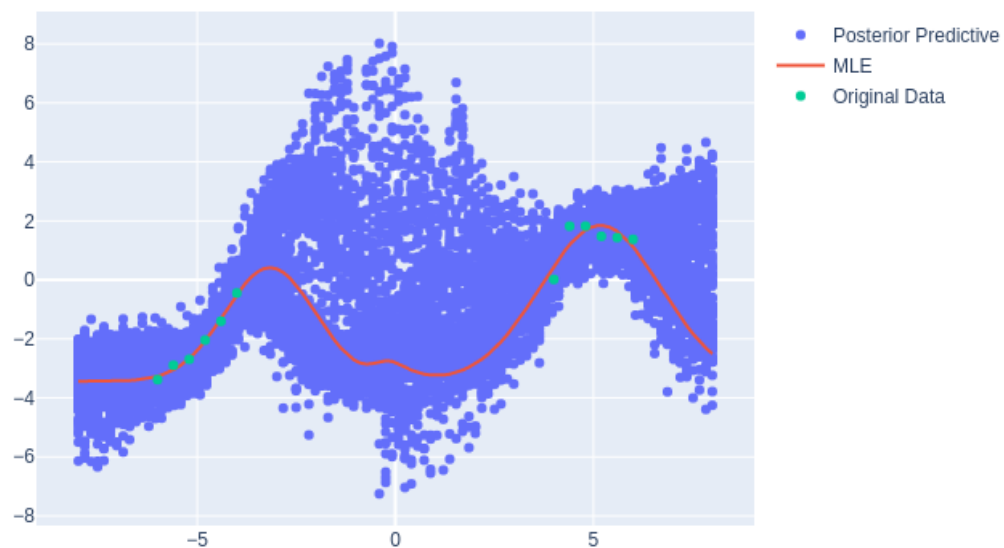
```

```

[3774 1173  959 1248 1529 3840 3941 2515 2612 3755 3136 4461 3954 1724
 2602 2516  891 4394  951 2669  692  737 3708 2417 3752 1204 2978  770
 2726 1438 3993 2686 3432 2137 4413  493 2412 1464 2493  871 3274 1750
 3072 1082 2264 3284 4145  890 2894   36  333 4029 4369  558  459  568
 3754 3159 1864  694 4403 2993 3558 4330 1181 3356  698 1915  624 3691
 1139 1174 4274 1797 1958 4462 4028 4396 2712 1568 3665 1302  103 3739
  883 1001 2679 2156 1316 3157 2017 1710 1819 2301 1097 1533 4479 1155
 171 4067]

```

[31]:



5. (Computing the Fit) Compute the posterior predictive log likelihood of the observed data under your model.

Not required for you to worry about for this problem, but note that this is a

Monte Carlo estimation of an integral, so you'll need to worry about variance and all that.

```
[18]: from scipy.stats import norm

data = pd.read_csv('HW7_data.csv')
data.head()
x = data['x'].values
x = x.reshape((1, -1))
y = data['y'].values
y = y.reshape((1, -1))

likelihoods = np.zeros(thinned_posterior_samples.shape[0])
for i, sample_weight in enumerate(thinned_posterior_samples):
    y_mean = nn.forward(
        thinned_posterior_samples[sample_idx,:].reshape((1, -1)),
        x.reshape((1, -1))).squeeze()
    log_like = norm.logpdf(y, loc=y_mean, scale=0.5)
    likelihoods[i] = log_like.sum()

print('Posterior Predictive Log Likelihood: ', numpy.mean(likelihoods))
```

Posterior Predictive Log Likelihood: -8.722134979001105

6. (Model Evaluation) Discuss the fit of your model to the data. Discuss also what the posterior predictive tell you about the aleatoric and epistemic uncertainty of the model. Are these uncertainties what you'd want (think about want kind of uncertainties you want and where)?

It's difficult to comment on the "fit" of a model to the data absent competing models. A posterior predictive log likelihood of -8.7 might be good, or it might be bad, depending on how other models fit the data.

The posterior predictive contains information about aleatoric and epistemic uncertainty. Near points where we have data (x near -5 or x near 5), we have reduced our epistemic uncertainty so that aleatoric uncertainty remains. This is shown by the relatively narrow variance. However, near points where we do not have data (x near 0), we have very high variance. This corresponds to high epistemic uncertainty that we could reduce by collecting new data points in this range. This agrees with our intuition that the model should have low uncertainty near data but high uncertainty away from data.

```
[ ]:
```