

input_1: InputLayer	input:	(None, 10240, 6)
	output:	(None, 10240, 6)

known_motif_initialized_scan: Conv1D	input:	(None, 10240, 6)
	output:	(None, 10240, 170)

batch_normalization_1: BatchNormalization	input:	(None, 10240, 170)
	output:	(None, 10240, 170)

max_pooling1d_1: MaxPooling1D	input:	(None, 10240, 170)
	output:	(None, 5120, 170)

conv1d_1: Conv1D	input:	(None, 5120, 170)
	output:	(None, 5120, 255)

batch_normalization_2: BatchNormalization	input:	(None, 5120, 255)
	output:	(None, 5120, 255)

conv1d_2: Conv1D	input:	(None, 5120, 255)
	output:	(None, 5120, 255)

batch_normalization_3: BatchNormalization	input:	(None, 5120, 255)
	output:	(None, 5120, 255)

max_pooling1d_2: MaxPooling1D	input:	(None, 5120, 255)
	output:	(None, 2560, 255)

conv1d_3: Conv1D	input:	(None, 2560, 255)
	output:	(None, 2560, 382)

batch_normalization_4: BatchNormalization	input:	(None, 2560, 382)
	output:	(None, 2560, 382)

conv1d_4: Conv1D	input:	(None, 2560, 382)
	output:	(None, 2560, 382)

batch_normalization_5: BatchNormalization	input:	(None, 2560, 382)
	output:	(None, 2560, 382)

max_pooling1d_3: MaxPooling1D	input:	(None, 2560, 382)
	output:	(None, 1280, 382)

conv1d_5: Conv1D	input:	(None, 1280, 382)
	output:	(None, 1280, 573)

batch_normalization_6: BatchNormalization	input:	(None, 1280, 573)
	output:	(None, 1280, 573)

conv1d_6: Conv1D	input:	(None, 1280, 573)
	output:	(None, 1280, 573)

batch_normalization_7: BatchNormalization	input:	(None, 1280, 573)
	output:	(None, 1280, 573)

max_pooling1d_4: MaxPooling1D	input:	(None, 1280, 573)
	output:	(None, 640, 573)

conv1d_7: Conv1D	input:	(None, 640, 573)
	output:	(None, 640, 859)

batch_normalization_8: BatchNormalization	input:	(None, 640, 859)
	output:	(None, 640, 859)

conv1d_8: Conv1D	input:	(None, 640, 859)
	output:	(None, 640, 859)

batch_normalization_9: BatchNormalization	input:	(None, 640, 859)
	output:	(None, 640, 859)

max_pooling1d_5: MaxPooling1D	input:	(None, 640, 859)
	output:	(None, 320, 859)

conv1d_9: Conv1D	input:	(None, 320, 859)
	output:	(None, 320, 1288)

batch_normalization_10: BatchNormalization	input:	(None, 320, 1288)
	output:	(None, 320, 1288)

conv1d_10: Conv1D	input:	(None, 320, 1288)
	output:	(None, 320, 1288)

batch_normalization_11: BatchNormalization	input:	(None, 320, 1288)
	output:	(None, 320, 1288)

lambda_1: Lambda	input:	(None, 320, 1288)
	output:	(None, 320, 1, 1288)

conv2d_transpose_1: Conv2DTranspose	input:	(None, 320, 1, 1288)
	output:	(None, 640, 1, 858)

lambda_2: Lambda	input:	(None, 640, 1, 858)
	output:	(None, 640, 858)

concatenate_1: Concatenate	input:	[(None, 640, 858), (None, 640, 859)]
	output:	(None, 640, 1717)

conv1d_11: Conv1D	input:	(None, 640, 1717)
	output:	(None, 640, 858)

batch_normalization_12: BatchNormalization	input:	(None, 640, 858)
	output:	(None, 640, 858)

conv1d_12: Conv1D	input:	(None, 640, 858)
	output:	(None, 640, 858)

batch_normalization_13: BatchNormalization	input:	(None, 640, 858)
	output:	(None, 640, 858)

lambda_3: Lambda	input:	(None, 640, 858)
	output:	(None, 640, 1, 858)

conv2d_transpose_2: Conv2DTranspose	input:	(None, 640, 1, 858)
	output:	(None, 1280, 1, 572)

lambda_4: Lambda	input:	(None, 1280, 1, 572)
	output:	(None, 1280, 572)

concatenate_2: Concatenate	input:	[(None, 1280, 572), (None, 1280, 573)]
	output:	(None, 1280, 1145)

conv1d_13: Conv1D	input:	(None, 1280, 1145)
	output:	(None, 1280, 572)

batch_normalization_14: BatchNormalization	input:	(None, 1280, 572)
	output:	(None, 1280, 572)

conv1d_14: Conv1D	input:	(None, 1280, 572)
	output:	(None, 1280, 572)

batch_normalization_15: BatchNormalization	input:	(None, 1280, 572)
	output:	(None, 1280, 572)

lambda_5: Lambda	input:	(None, 1280, 572)
	output:	(None, 1280, 1, 572)

conv2d_transpose_3: Conv2DTranspose	input:	(None, 1280, 1, 572)
	output:	(None, 2560, 1, 381)

lambda_6: Lambda	input:	(None, 2560, 1, 381)
	output:	(None, 2560, 381)

concatenate_3: Concatenate	input:	[(None, 2560, 381), (None, 2560, 382)]
	output:	(None, 2560, 763)

conv1d_15: Conv1D	input:	(None, 2560, 763)
	output:	(None, 2560, 381)

batch_normalization_16: BatchNormalization	input:	(None, 2560, 381)
	output:	(None, 2560, 381)

conv1d_16: Conv1D	input:	(None, 2560, 381)
	output:	(None, 2560, 381)

batch_normalization_17: BatchNormalization	input:	(None, 2560, 381)
	output:	(None, 2560, 381)

lambda_7: Lambda	input:	(None, 2560, 381)
	output:	(None, 2560, 1, 381)

conv2d_transpose_4: Conv2DTranspose	input:	(None, 2560, 1, 381)
	output:	(None, 5120, 1, 254)

lambda_8: Lambda	input:	(None, 5120, 1, 254)
	output:	(None, 5120, 254)

concatenate_4: Concatenate	input:	[(None, 5120, 254), (None, 5120, 255)]
	output:	(None, 5120, 509)

conv1d_17: Conv1D	input:	(None, 5120, 509)
	output:	(None, 5120, 254)

batch_normalization_18: BatchNormalization	input:	(None, 5120, 254)
	output:	(None, 5120, 254)

conv1d_18: Conv1D	input:	(None, 5120, 254)
	output:	(None, 5120, 254)

batch_normalization_19: BatchNormalization	input:	(None, 5120, 254)
	output:	(None, 5120, 254)

lambda_9: Lambda	input:	(None, 5120, 254)
	output:	(None, 5120, 1, 254)

conv2d_transpose_5: Conv2DTranspose	input:	(None, 5120, 1, 254)
	output:	(None, 10240, 1, 169)

lambda_10: Lambda	input:	(None, 10240, 1, 169)
	output:	(None, 10240, 169)

concatenate_5: Concatenate	input:	[(None, 10240, 169), (None, 10240, 170)]
	output:	(None, 10240, 339)

conv1d_19: Conv1D	input:	(None, 10240, 339)
	output:	(None, 10240, 169)

batch_normalization_20: BatchNormalization	input:	(None, 10240, 169)
	output:	(None, 10240, 169)

conv1d_20: Conv1D	input:	(None, 10240, 169)
	output:	(None, 10240, 169)

batch_normalization_21: BatchNormalization	input:	(None, 10240, 169)
	output:	(None, 10240, 169)

conv1d_21: Conv1D	input:	(None, 10240, 169)
	output:	(None, 10240, 1)