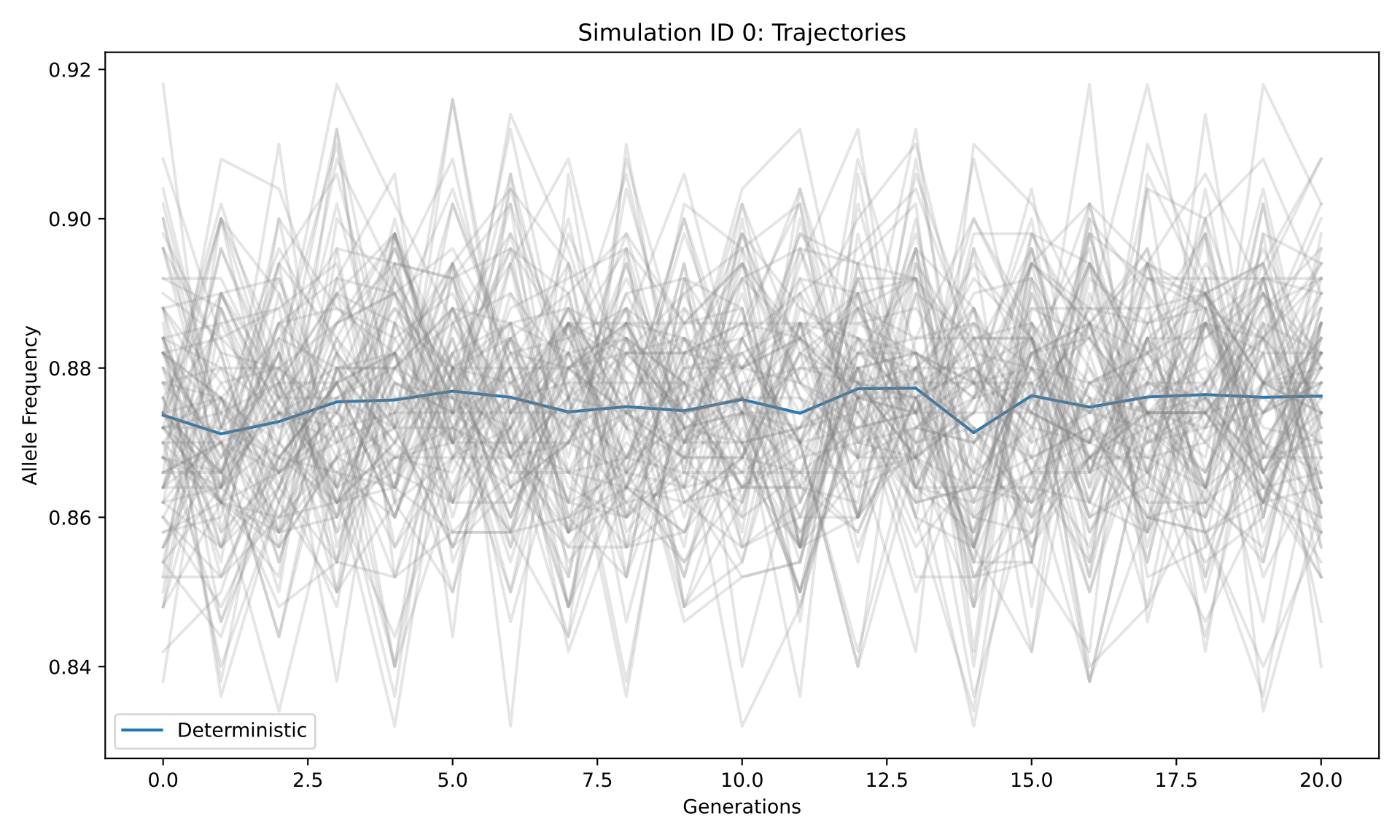
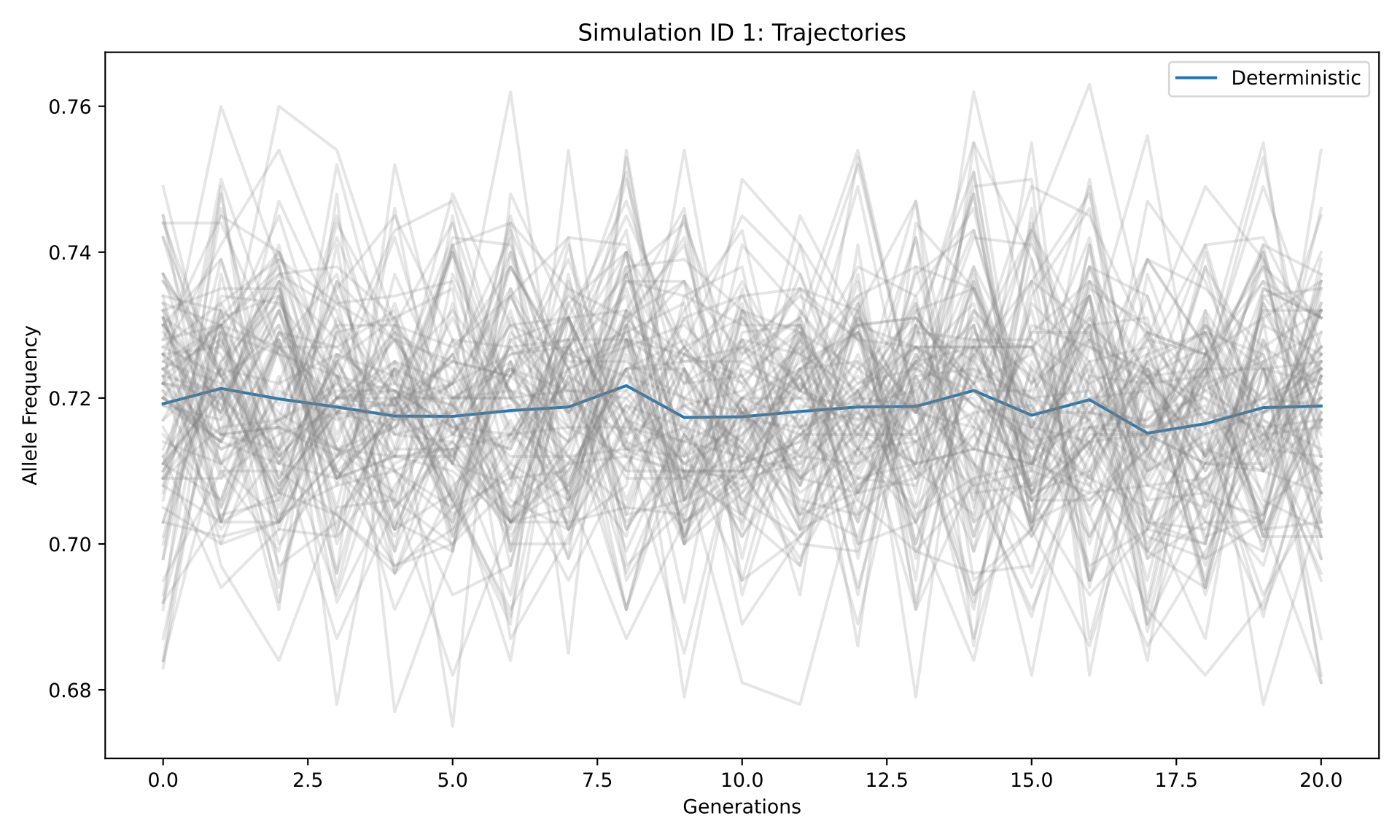
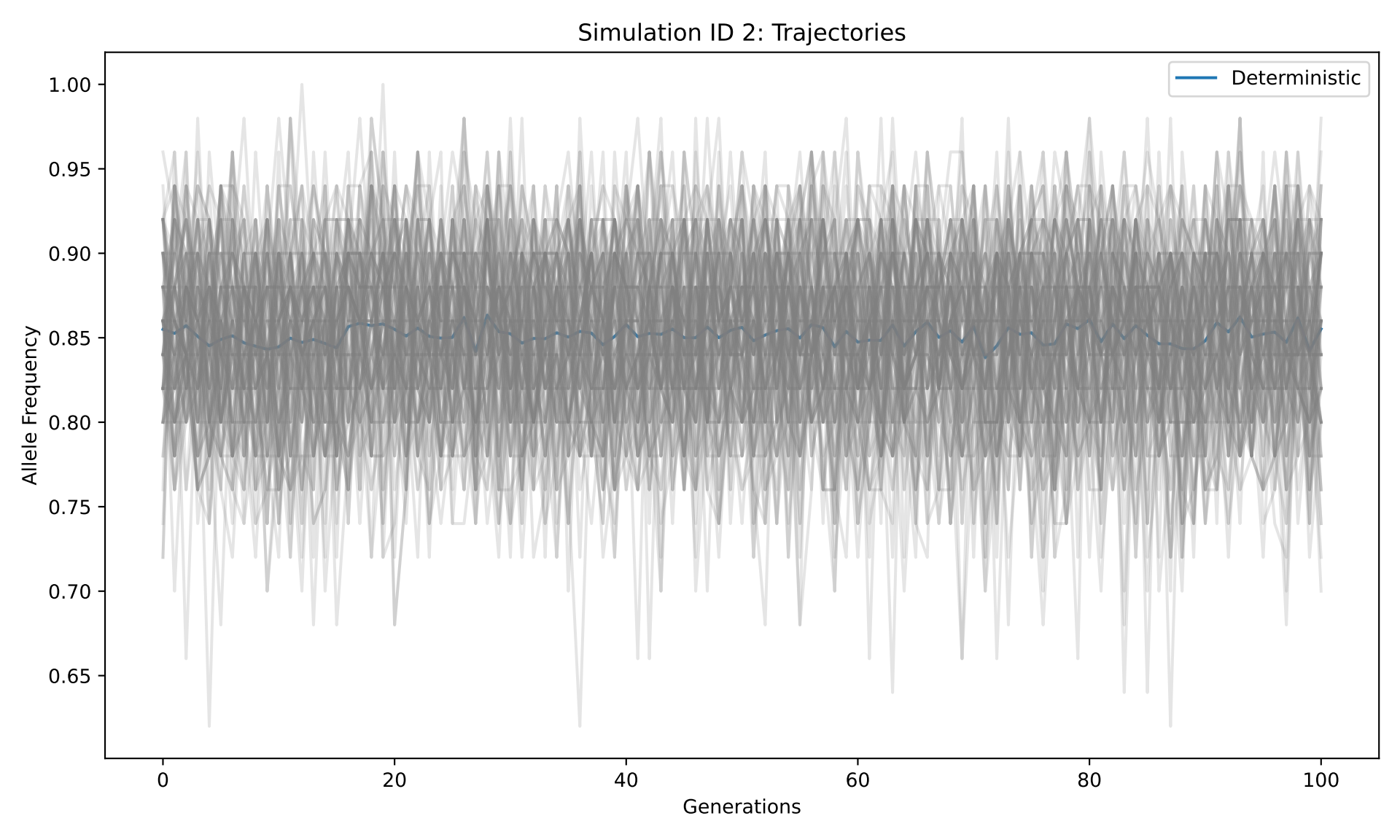
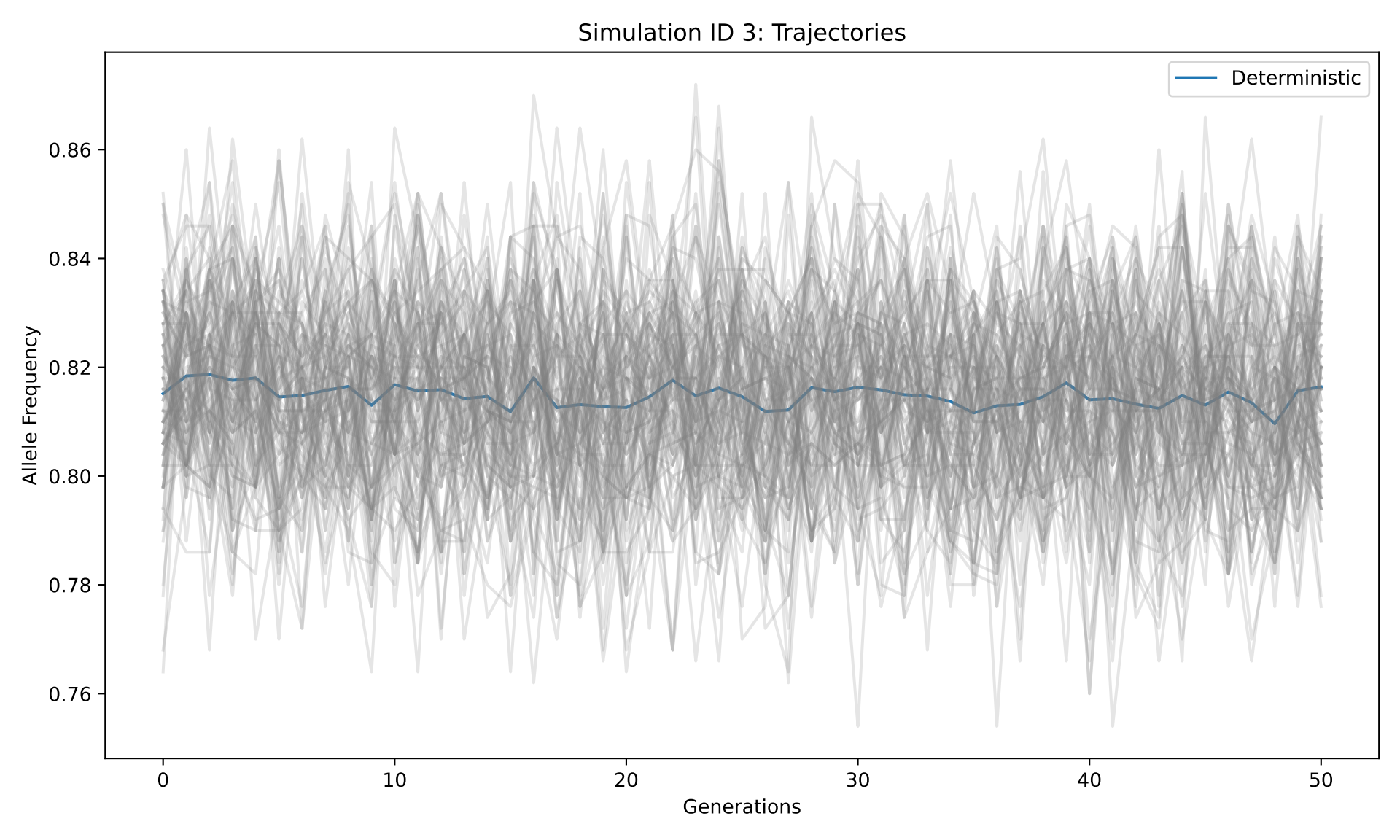
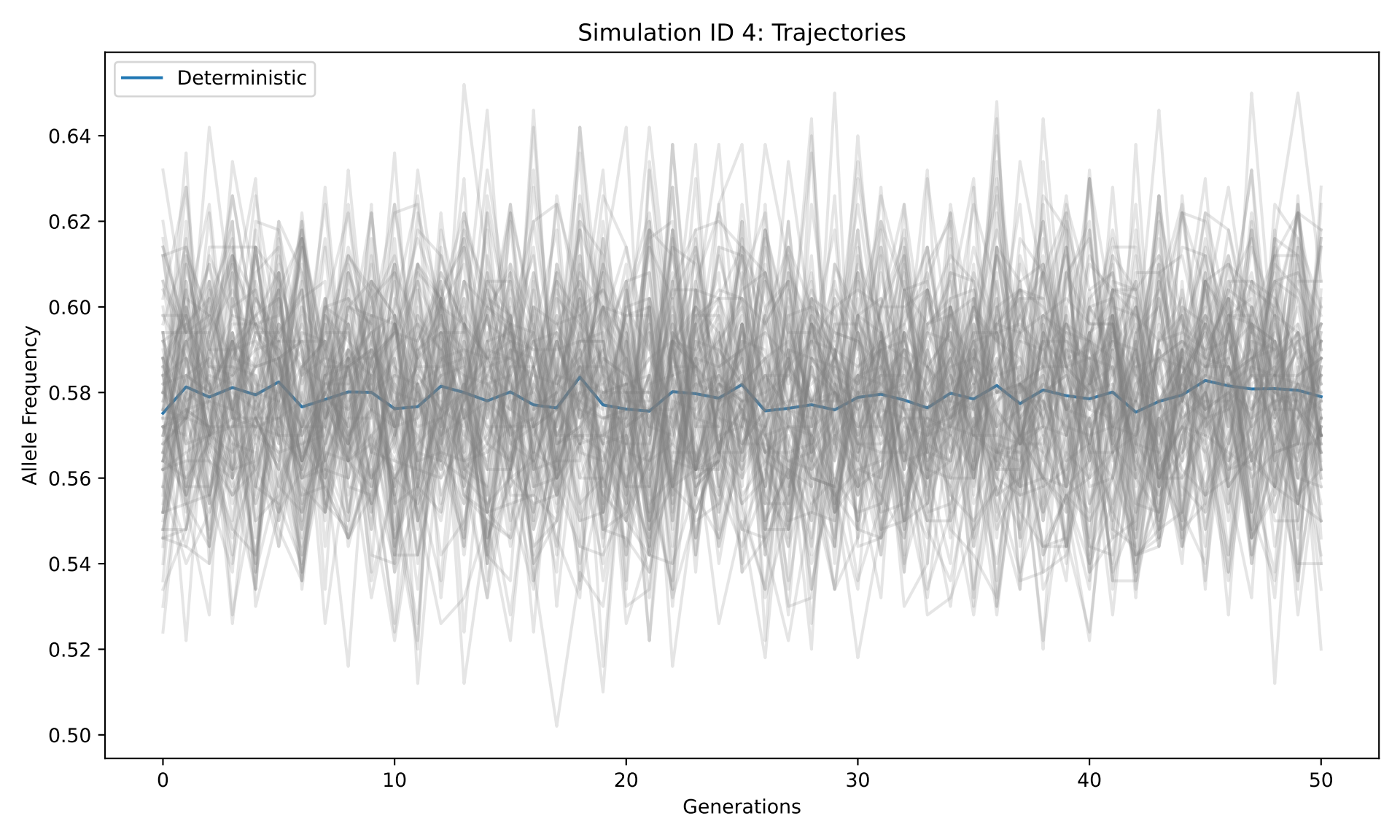
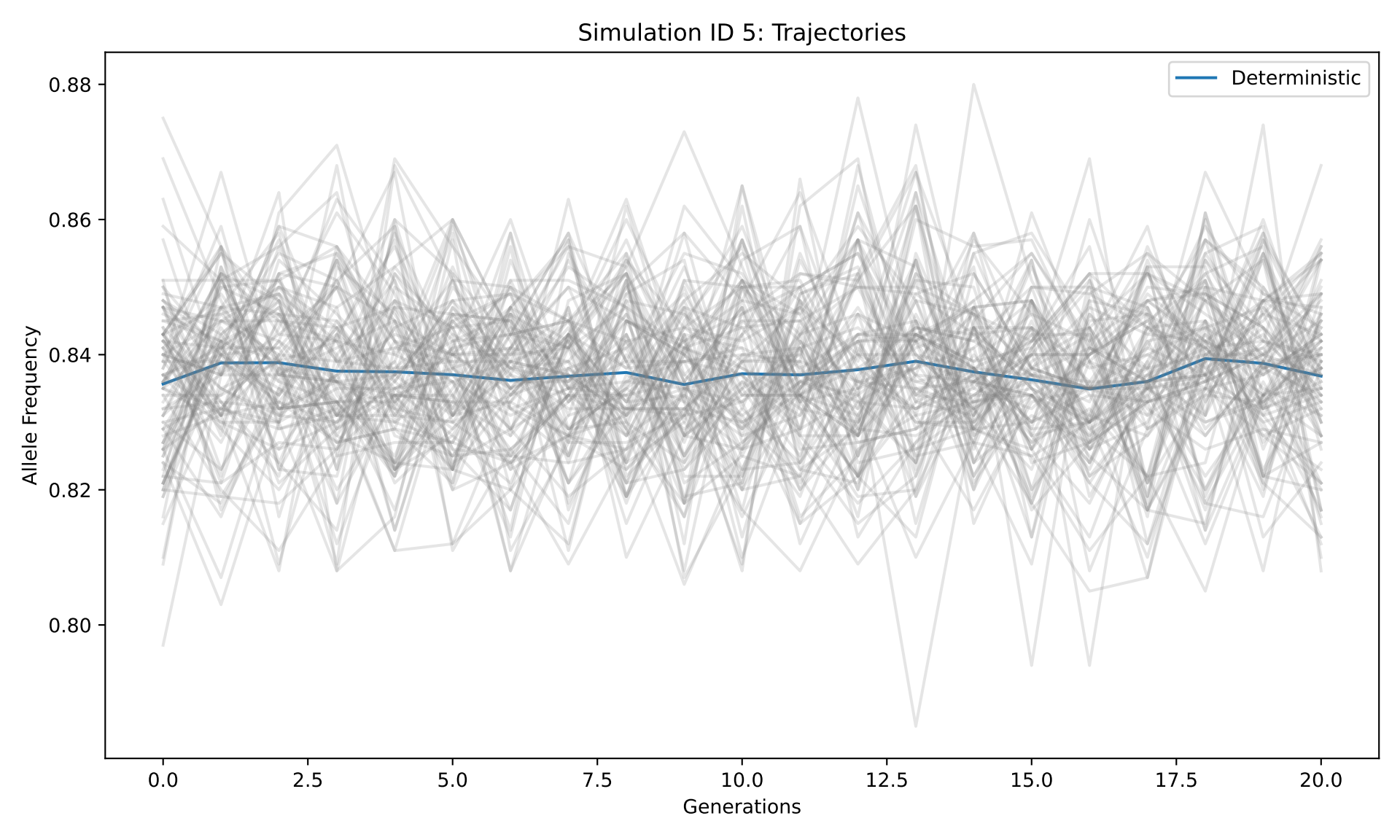

Simulation ID 0: Trajectories
0.92
0.90
0.88
0.86
0.84
Allele Frequency
Deterministic
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

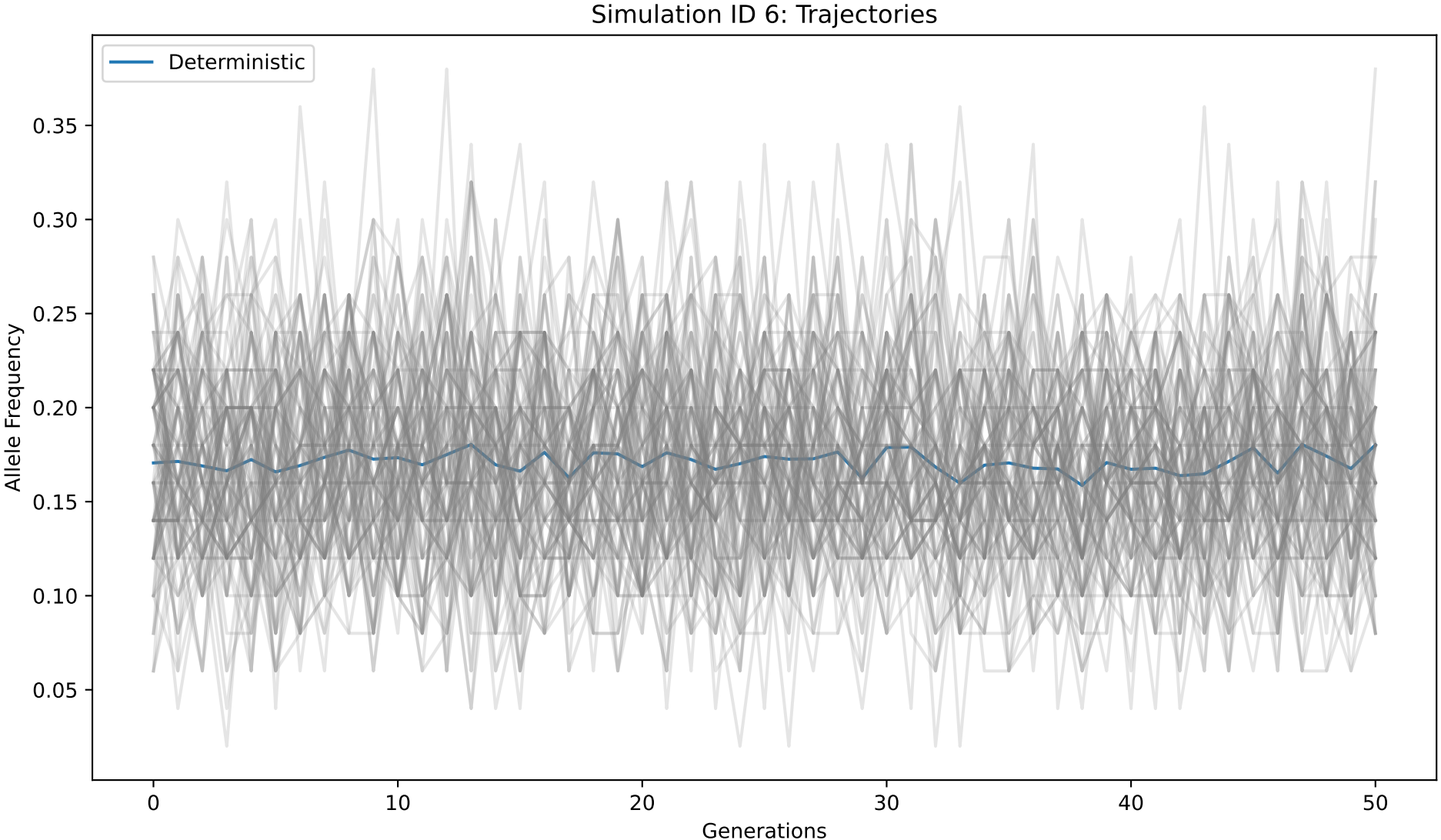

Simulation ID 1: Trajectories
Deterministic
0.76
0.74
0.72
0.70
0.68
Allele Frequency
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

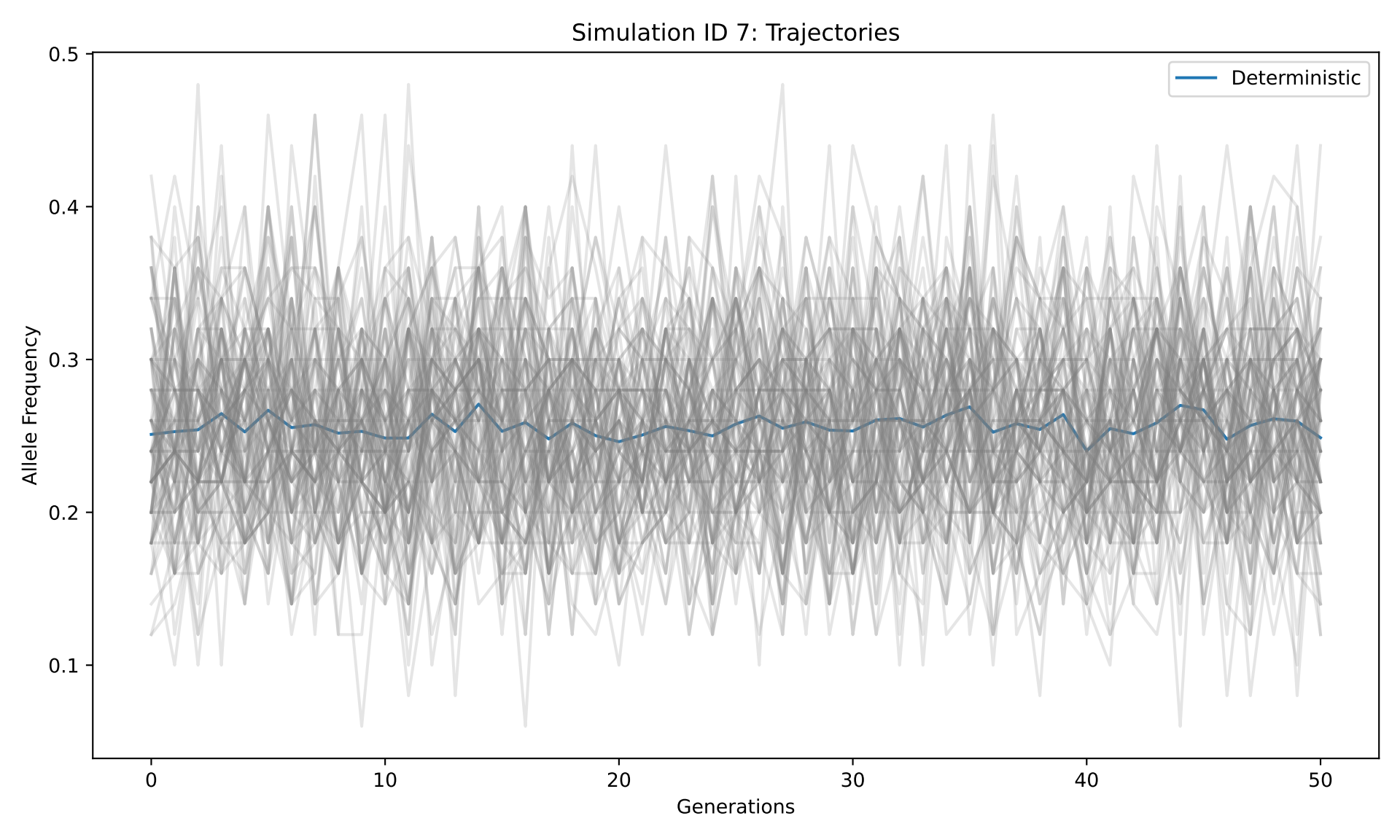

Simulation ID 2: Trajectories
Deterministic
Allele Frequency
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0
20
40
60
80
100
Generations

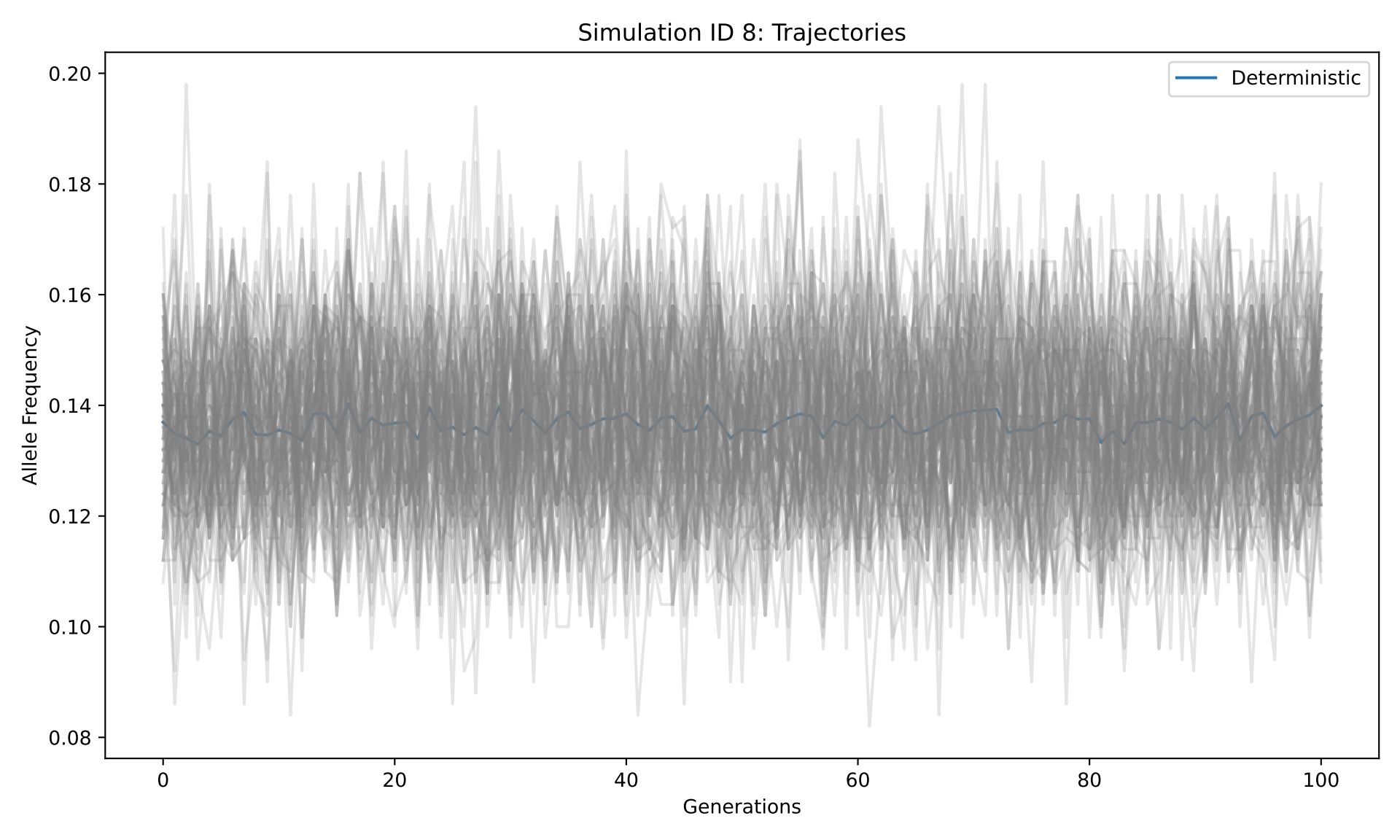

Simulation ID 3: Trajectories
Deterministic
Allele Frequency
0.86
0.84
0.82
0.80
0.78
0.76
0
10
20
30
40
50
Generations

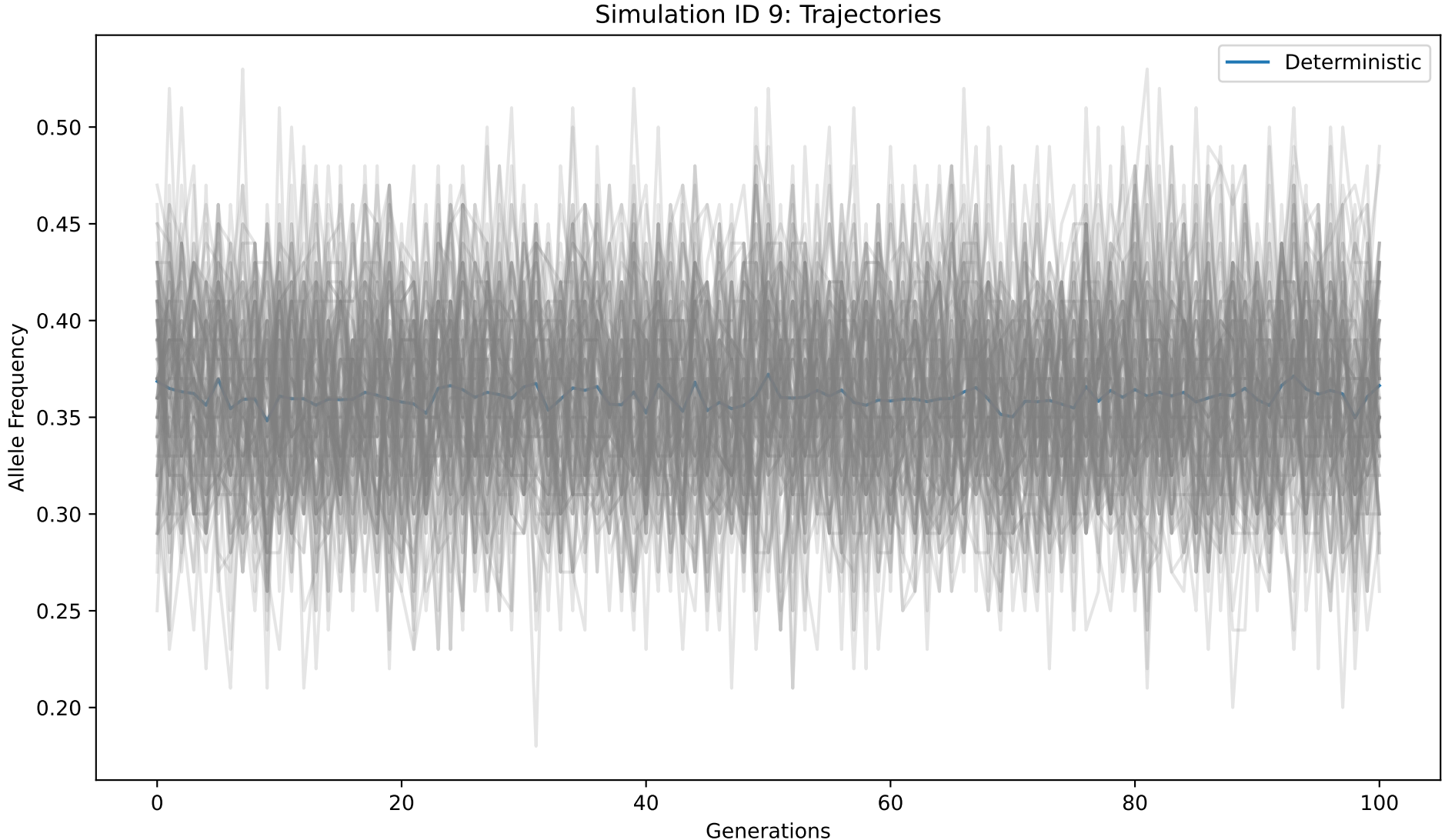

Simulation ID 4: Trajectories
Deterministic
Allele Frequency
0.64
0.62
0.60
0.58
0.56
0.54
0.52
0.50
0
10
20
30
40
50
Generations

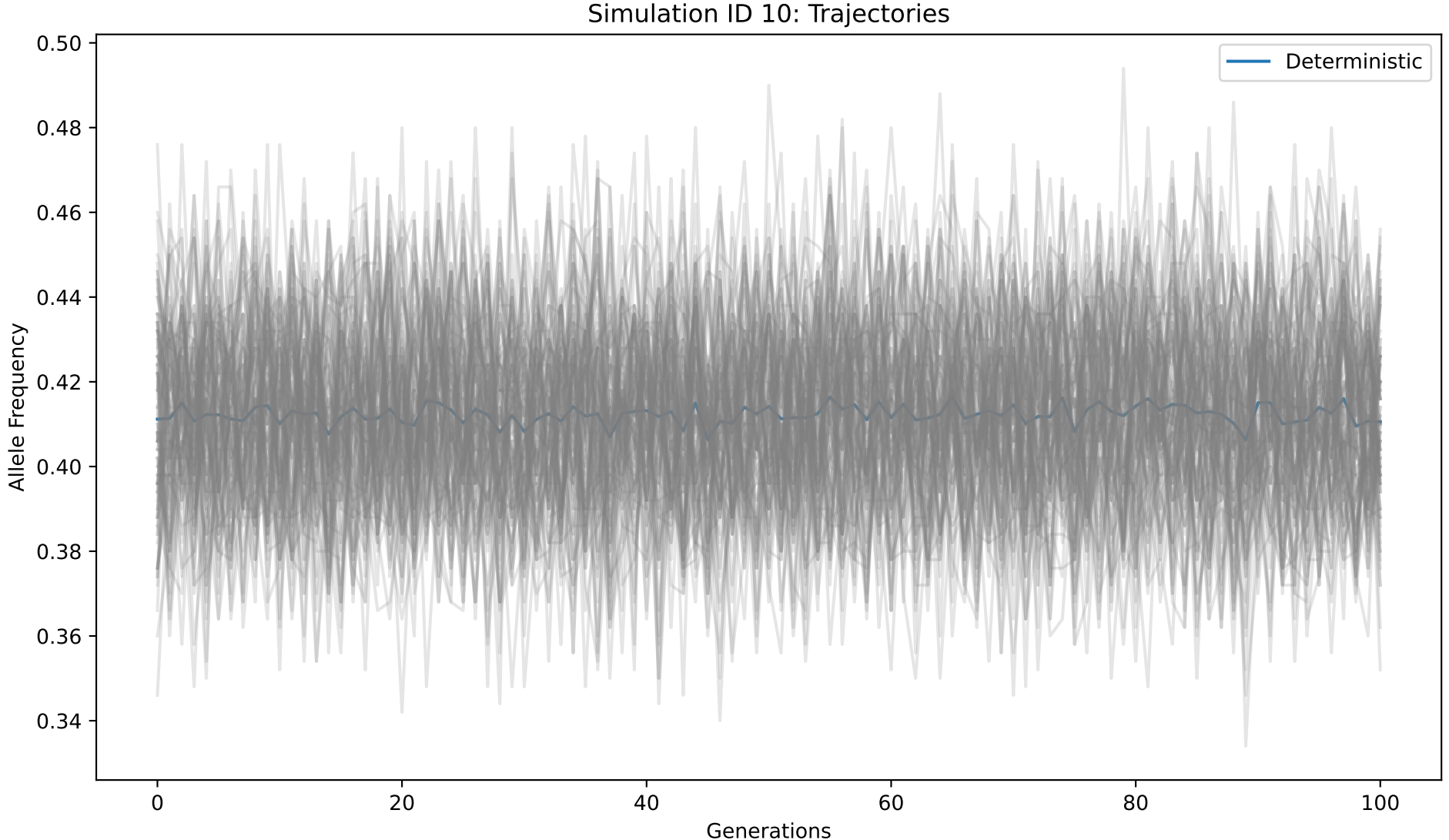

Simulation ID 5: Trajectories
Deterministic
0.88
0.86
0.84
0.82
0.80
Allele Frequency
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

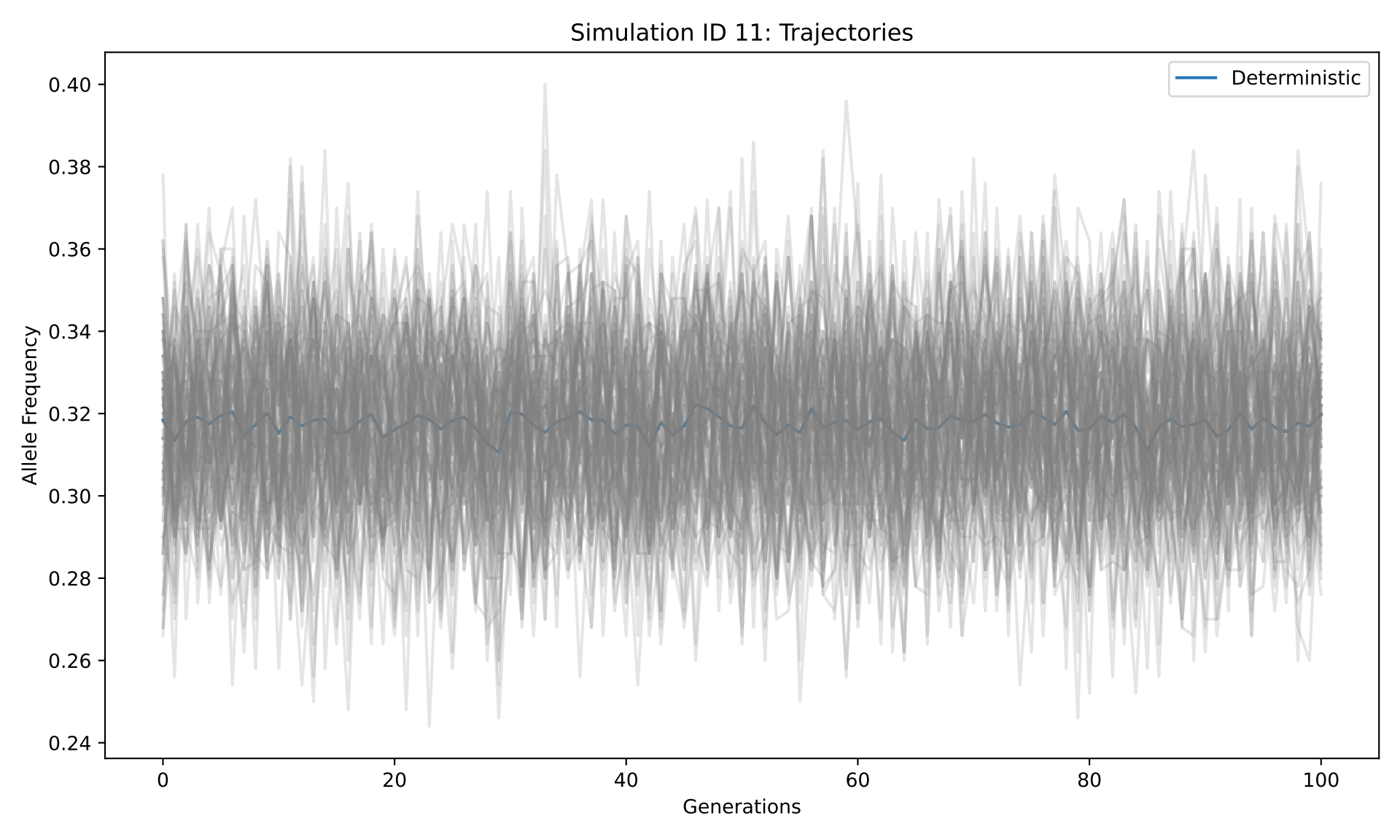

Simulation ID 6: Trajectories
Deterministic
Allele Frequency
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
10
20
30
40
50
Generations

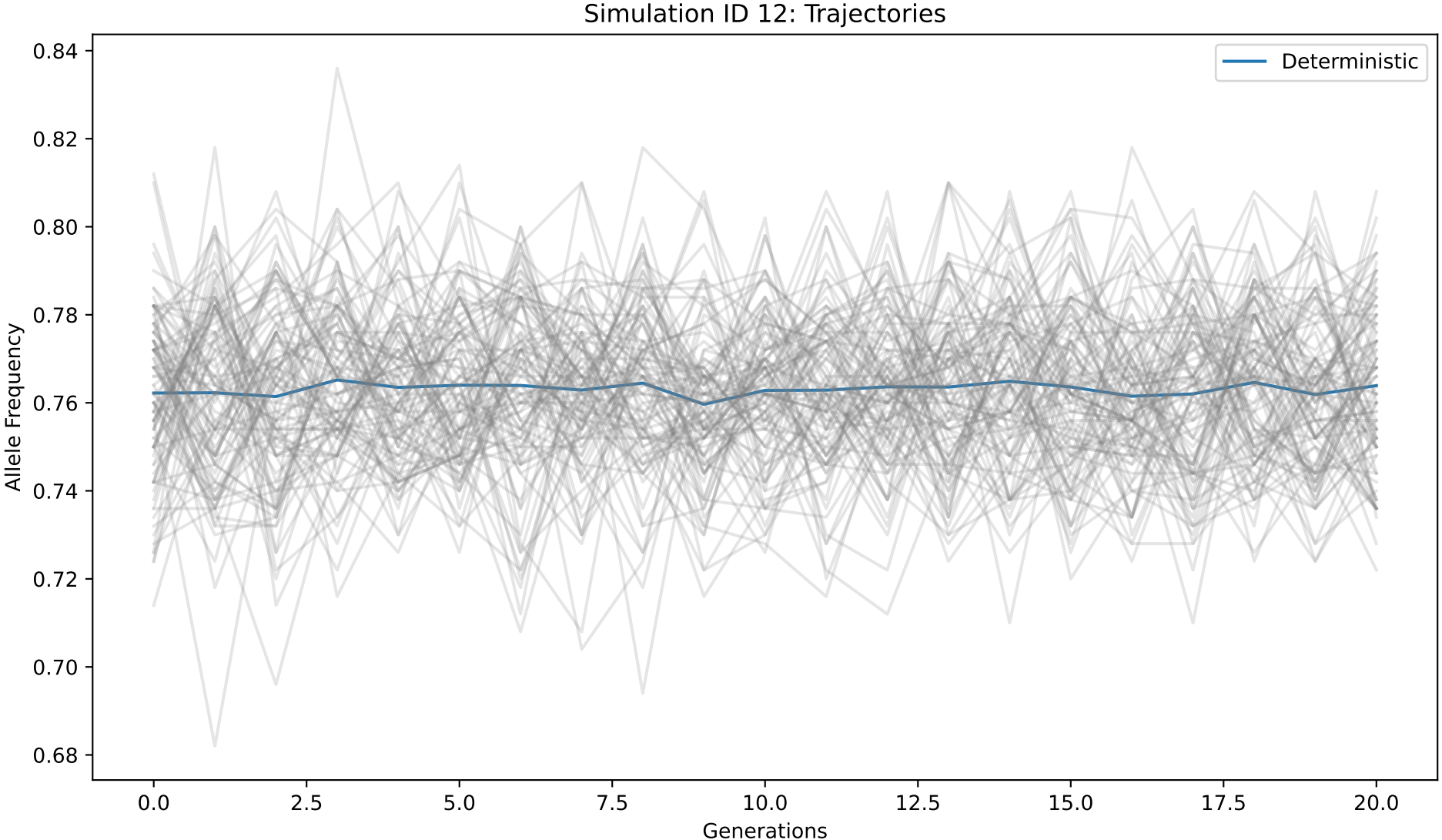

Simulation ID 7: Trajectories
Deterministic
Allele Frequency
0.5
0.4
0.3
0.2
0.1
0
10
20
30
40
50
Generations

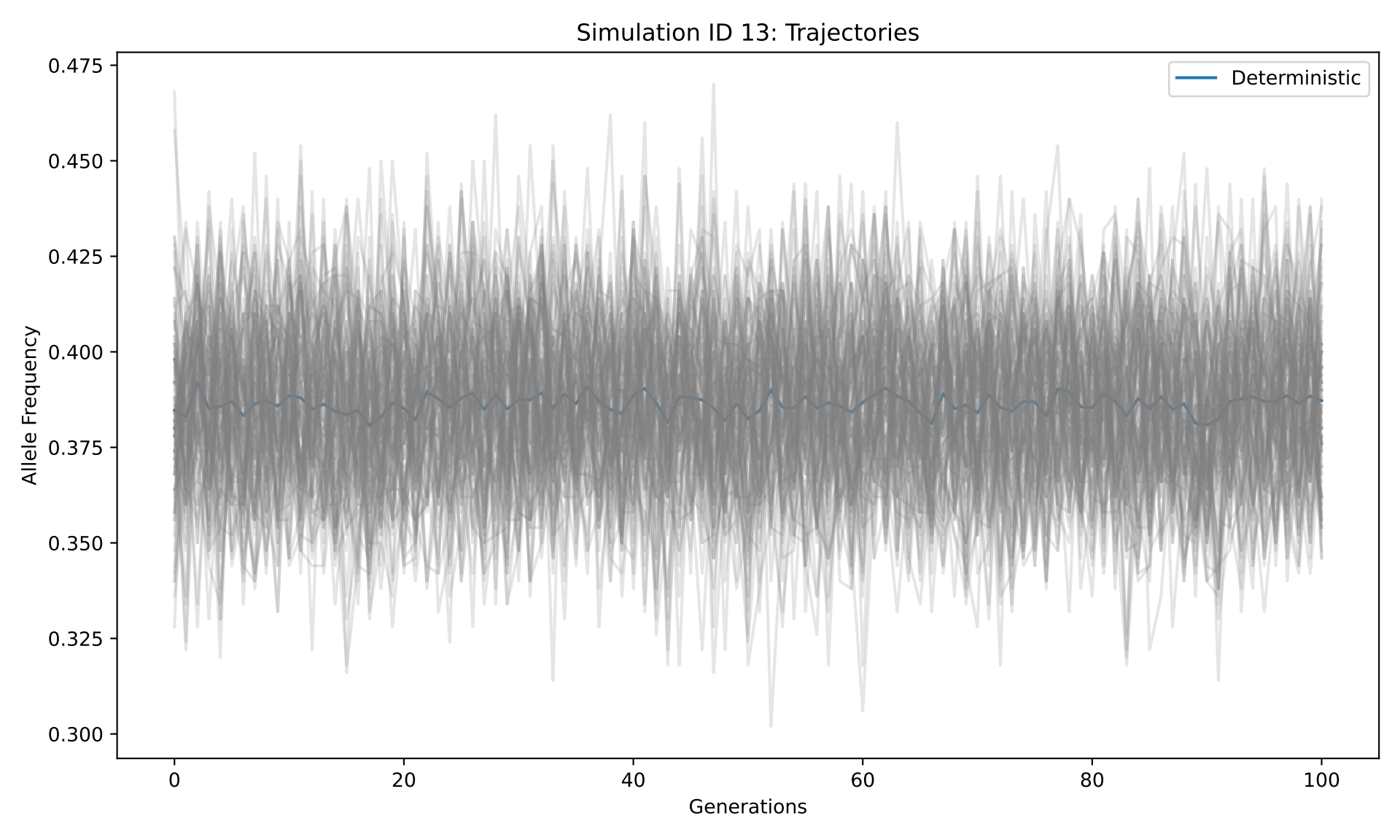

Simulation ID 8: Trajectories
Deterministic
Allele Frequency
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0
20
40
60
80
100
Generations

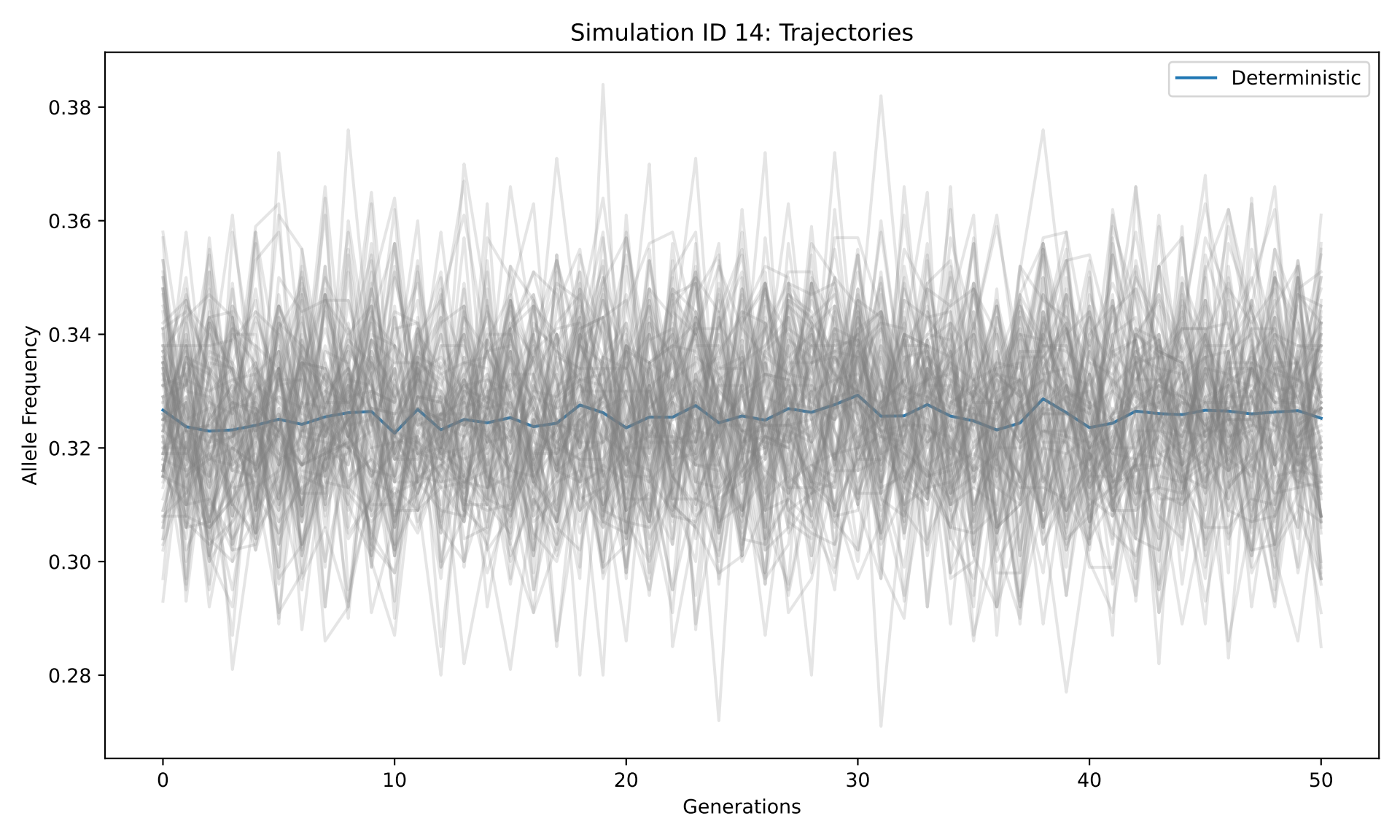

Simulation ID 9: Trajectories
Deterministic
Allele Frequency
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0
20
40
60
80
100
Generations

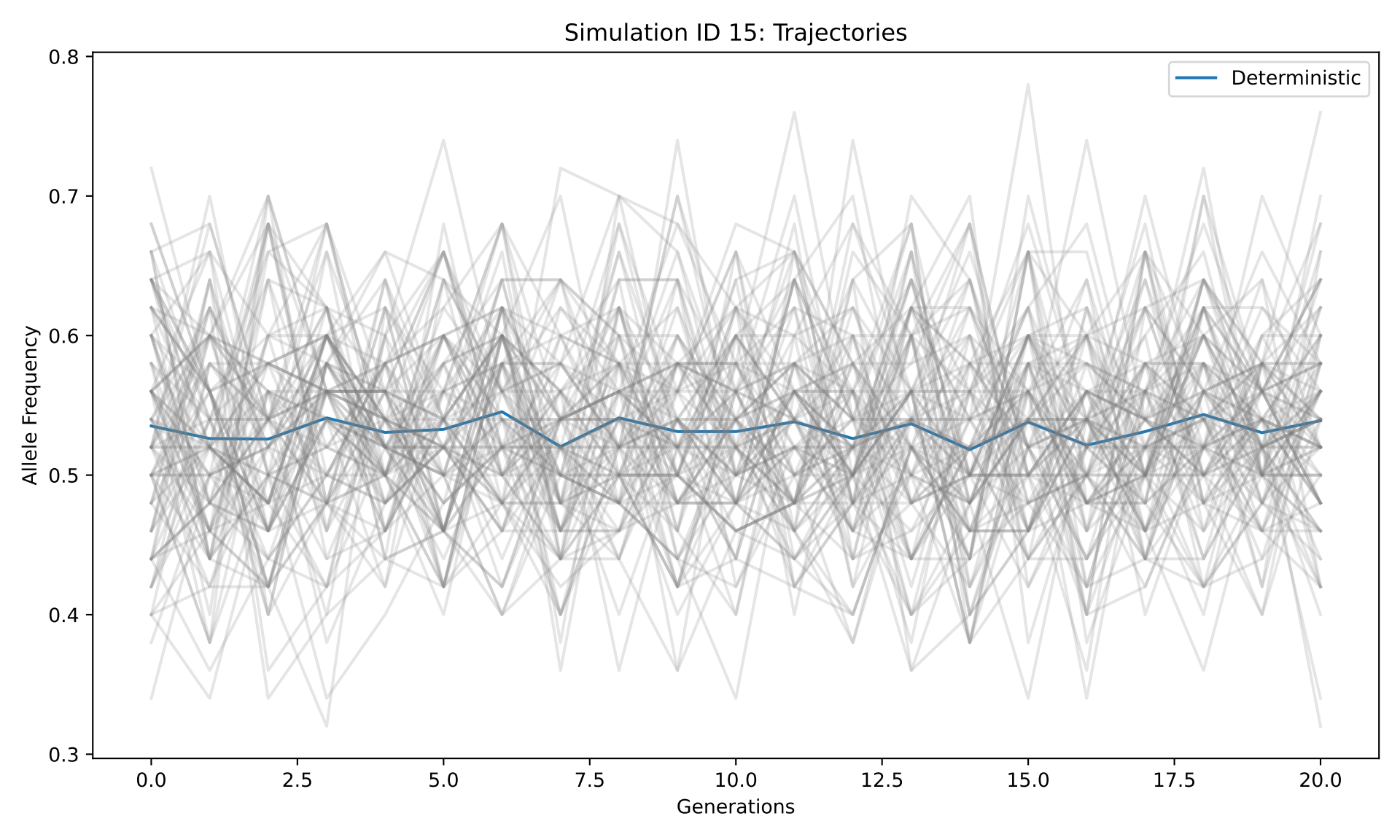

Simulation ID 10: Trajectories
Deterministic
Allele Frequency
0.50
0.48
0.46
0.44
0.42
0.40
0.38
0.36
0.34
0
20
40
60
80
100
Generations

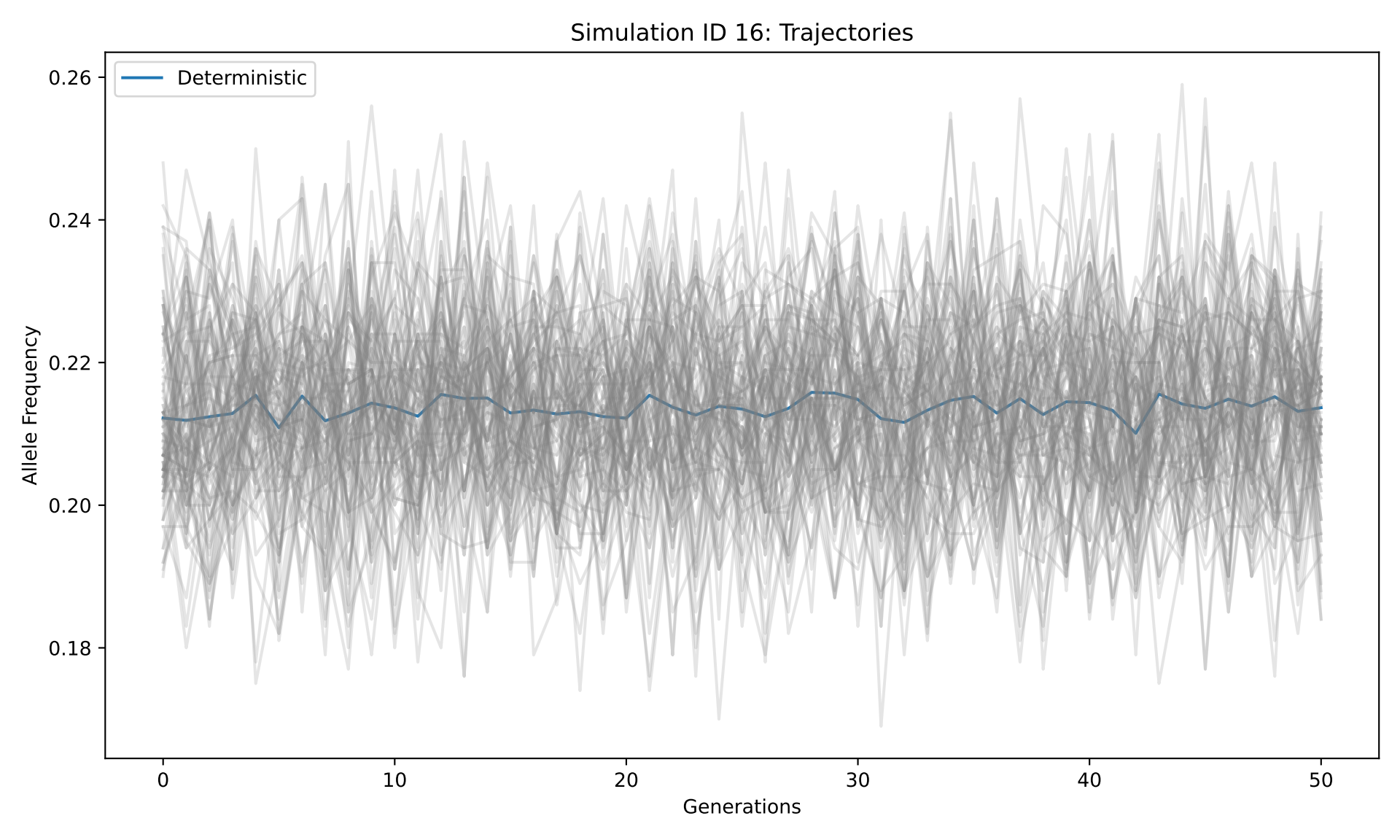

Simulation ID 11: Trajectories
Deterministic
Allele Frequency
0.40
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.24
0
20
40
60
80
100
Generations

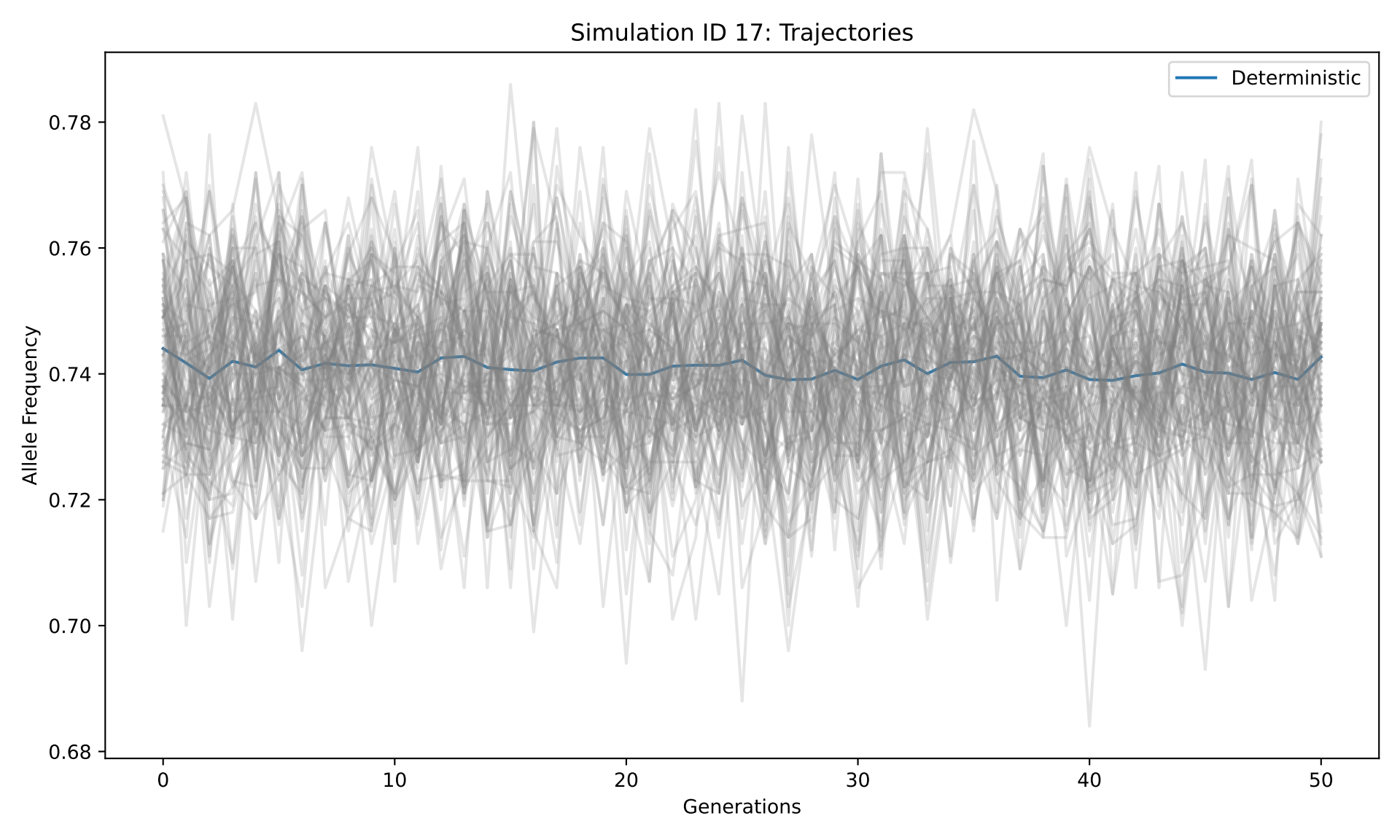

Simulation ID 12: Trajectories
Deterministic
Allele Frequency
0.84
0.82
0.80
0.78
0.76
0.74
0.72
0.70
0.68
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

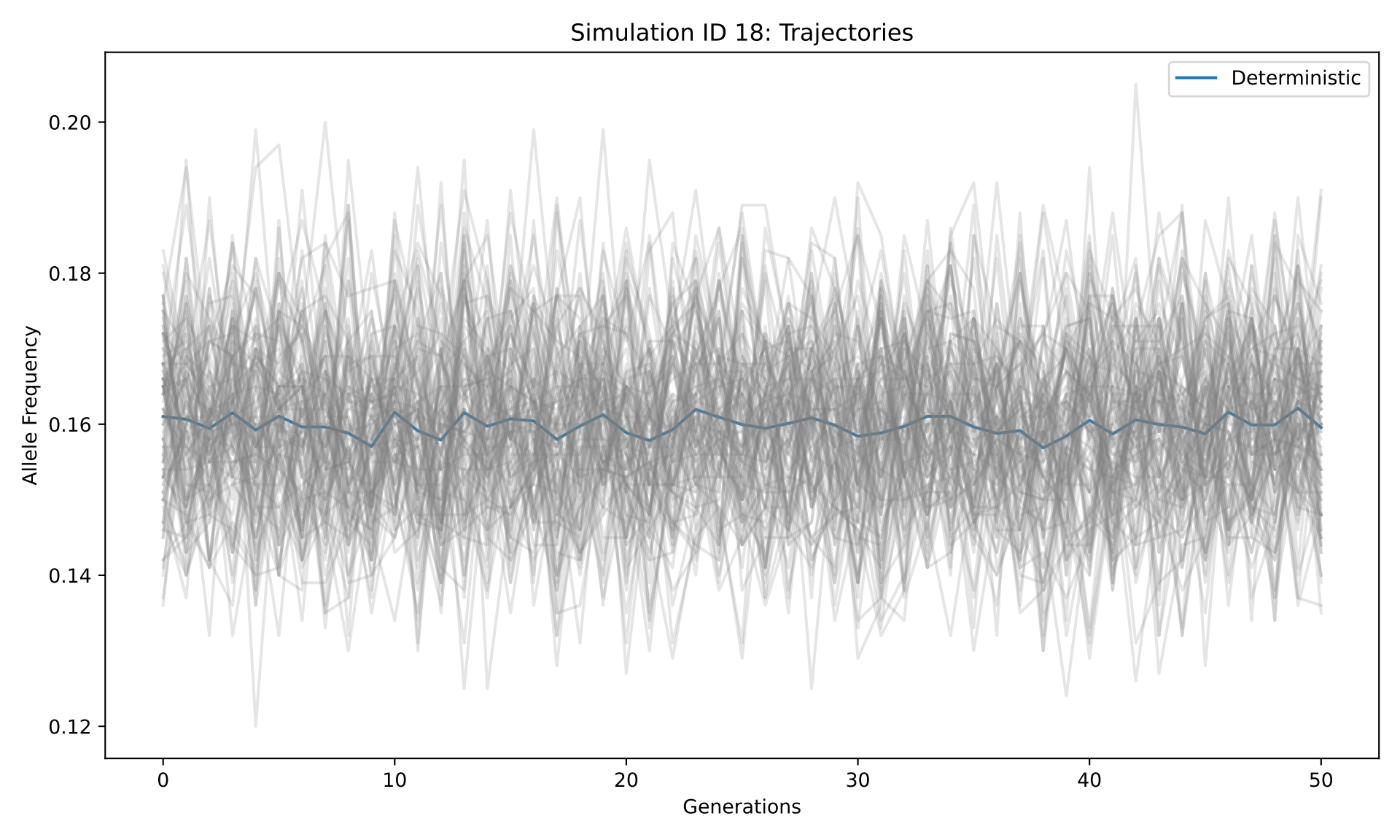

Simulation ID 13: Trajectories
Deterministic
Allele Frequency
0.475
0.450
0.425
0.400
0.375
0.350
0.325
0.300
0
20
40
60
80
100
Generations

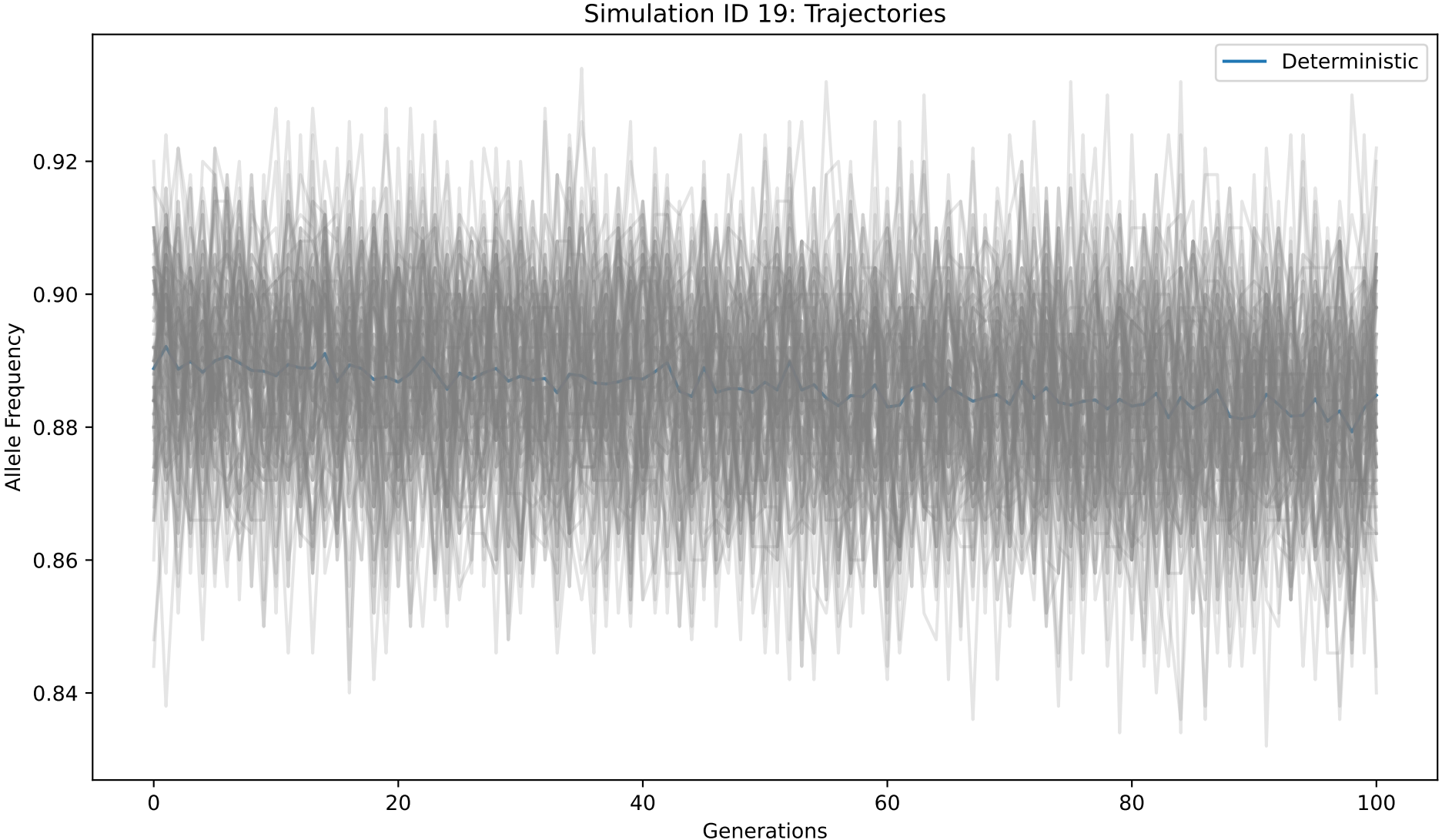

Simulation ID 14: Trajectories
Deterministic
Allele Frequency
0.38
0.36
0.34
0.32
0.30
0.28
0
10
20
30
40
50
Generations

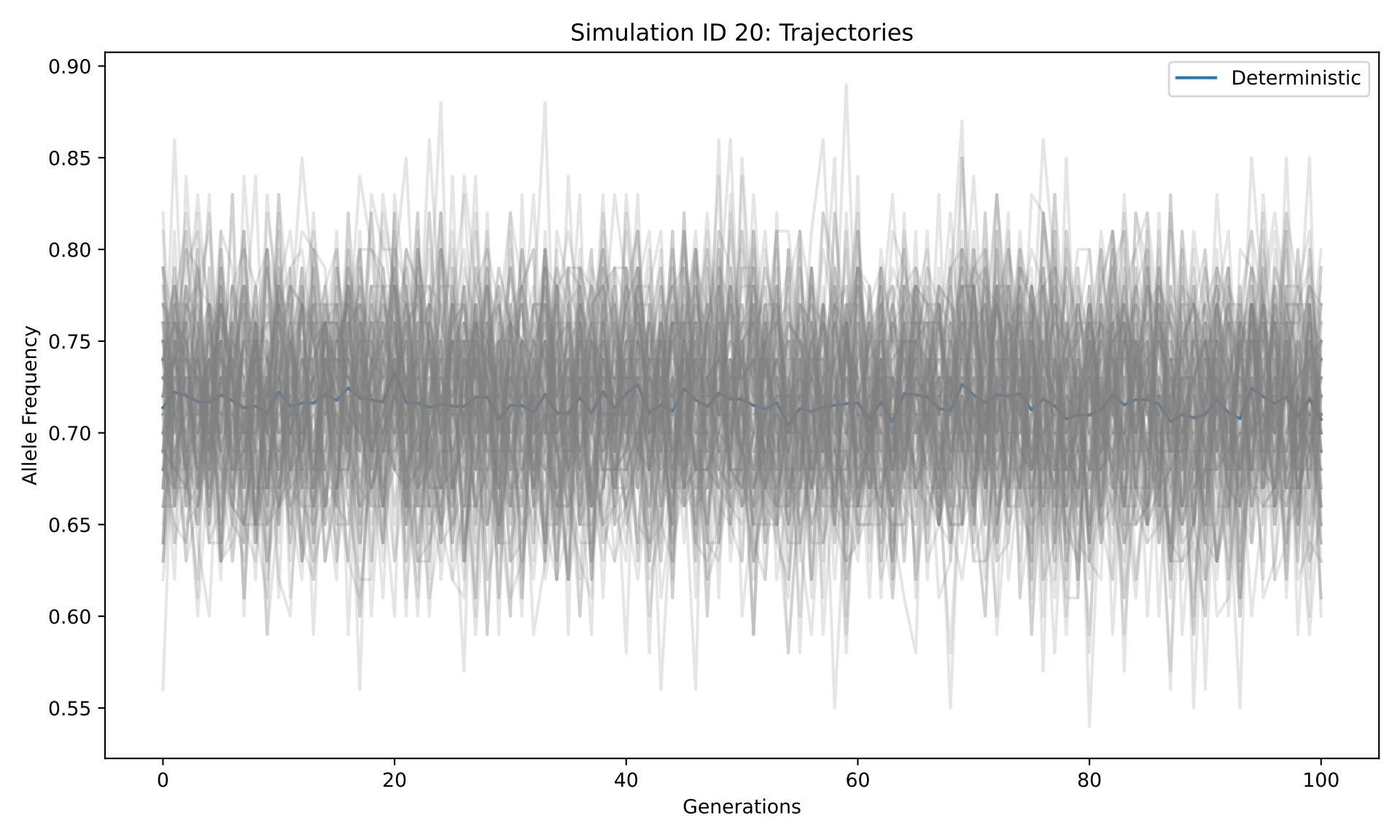

Simulation ID 15: Trajectories
Deterministic
Allele Frequency
0.8
0.7
0.6
0.5
0.4
0.3
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

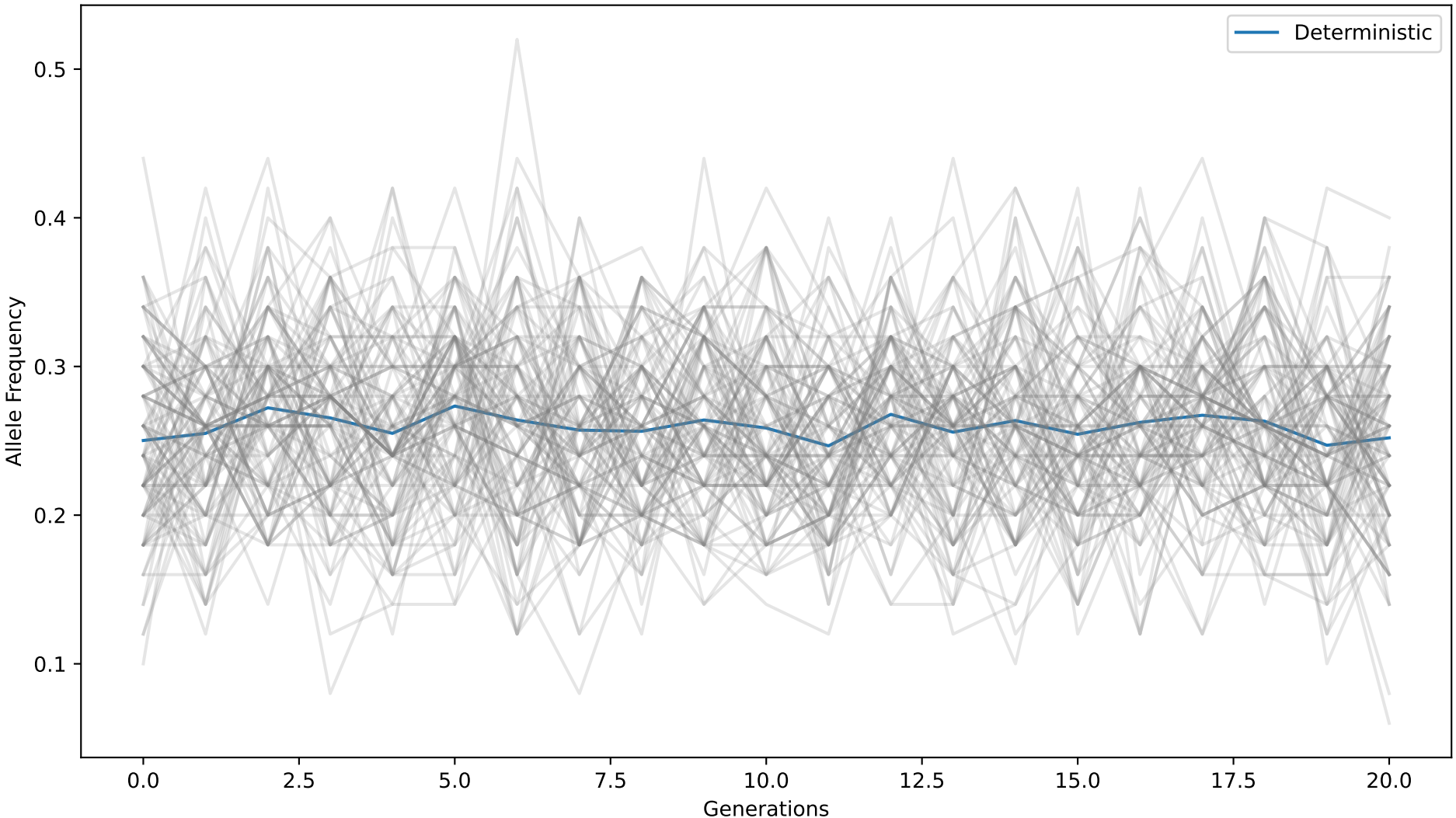

Simulation ID 16: Trajectories
Deterministic
0.26
0.24
0.22
0.20
0.18
Allele Frequency
0
10
20
30
40
50
Generations

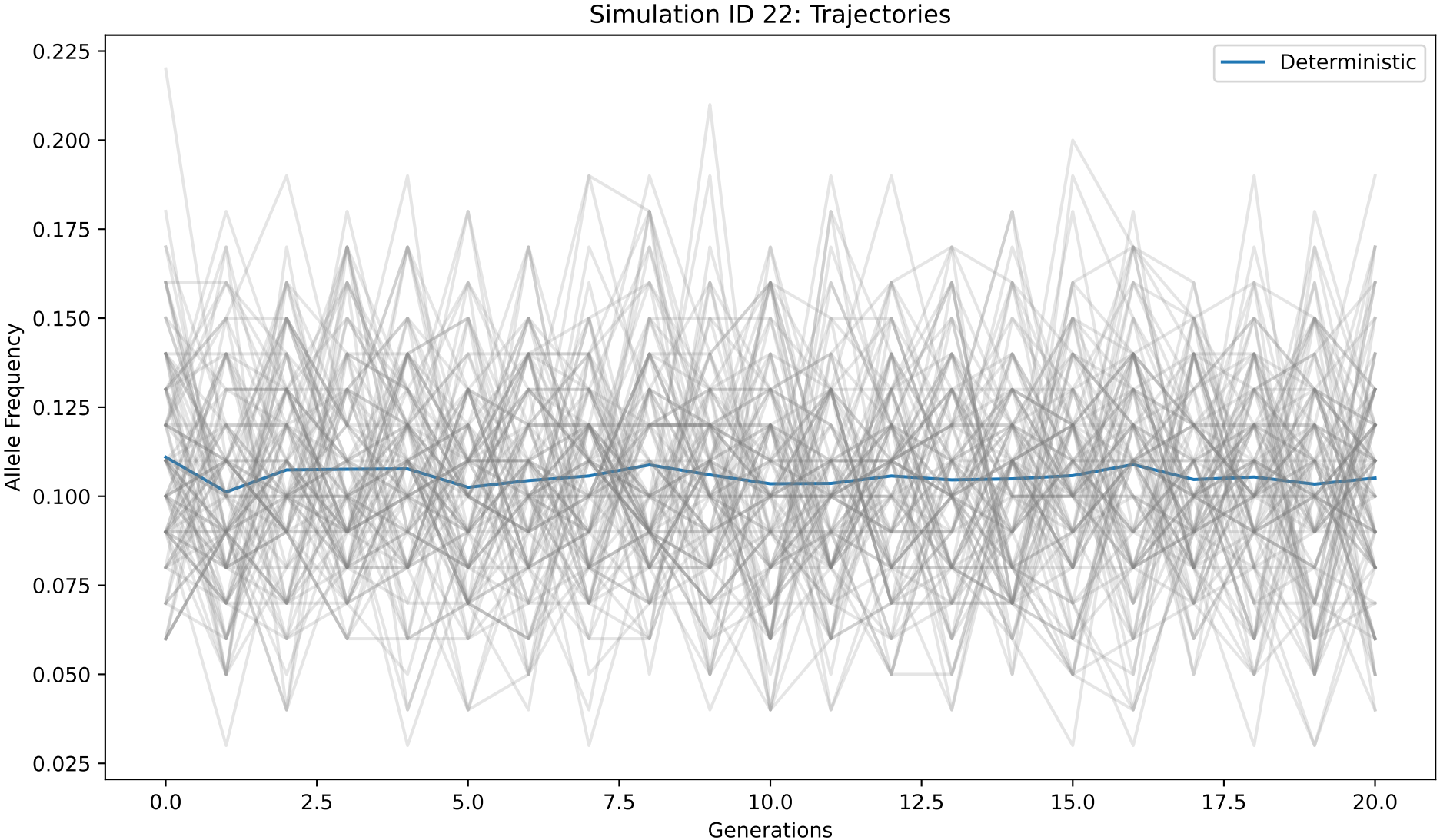

Simulation ID 17: Trajectories
Deterministic
0.78
0.76
0.74
0.72
0.70
0.68
Allele Frequency
0
10
20
30
40
50
Generations

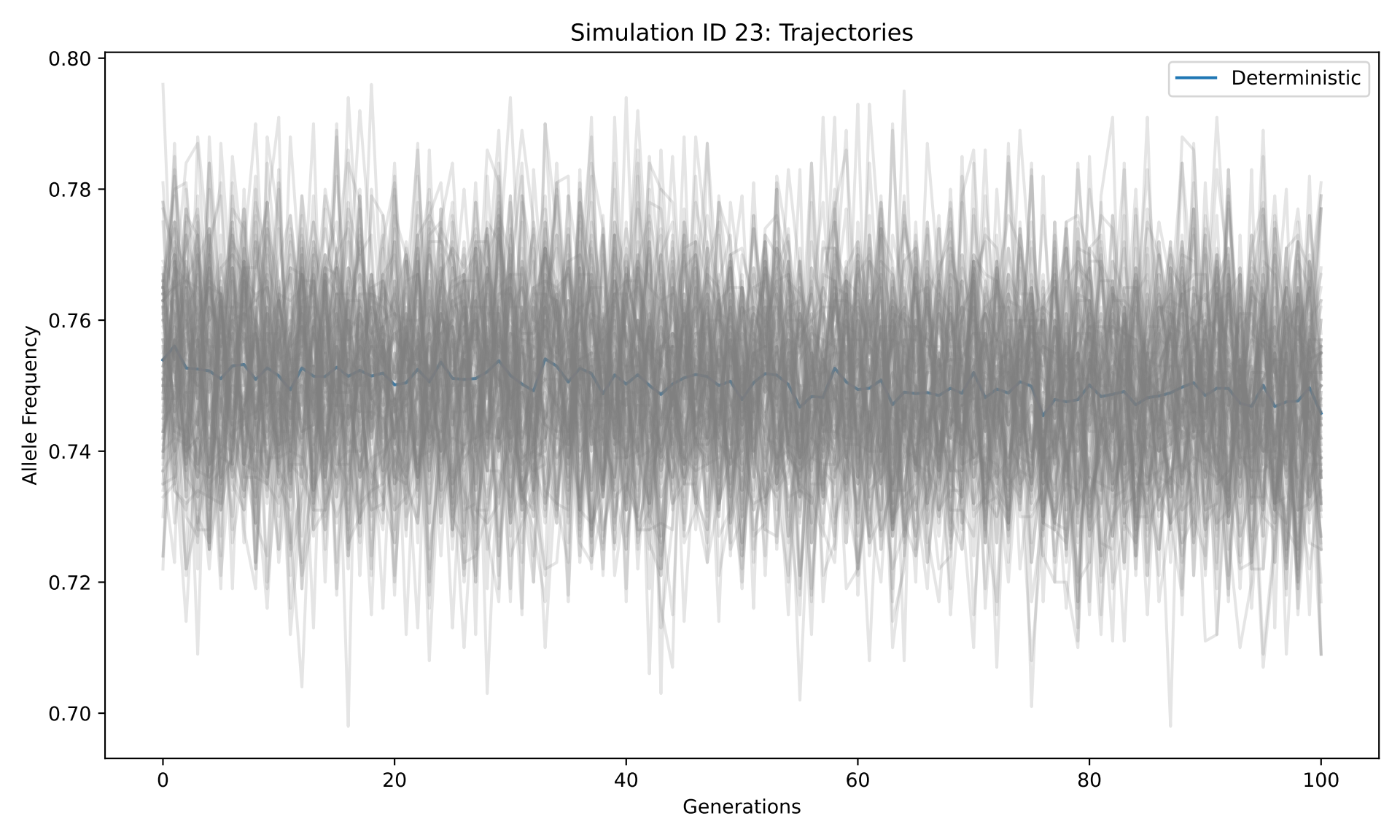

Simulation ID 18: Trajectories
Deterministic
0.20
0.18
0.16
0.14
0.12
Allele Frequency
0
10
20
30
40
50
Generations

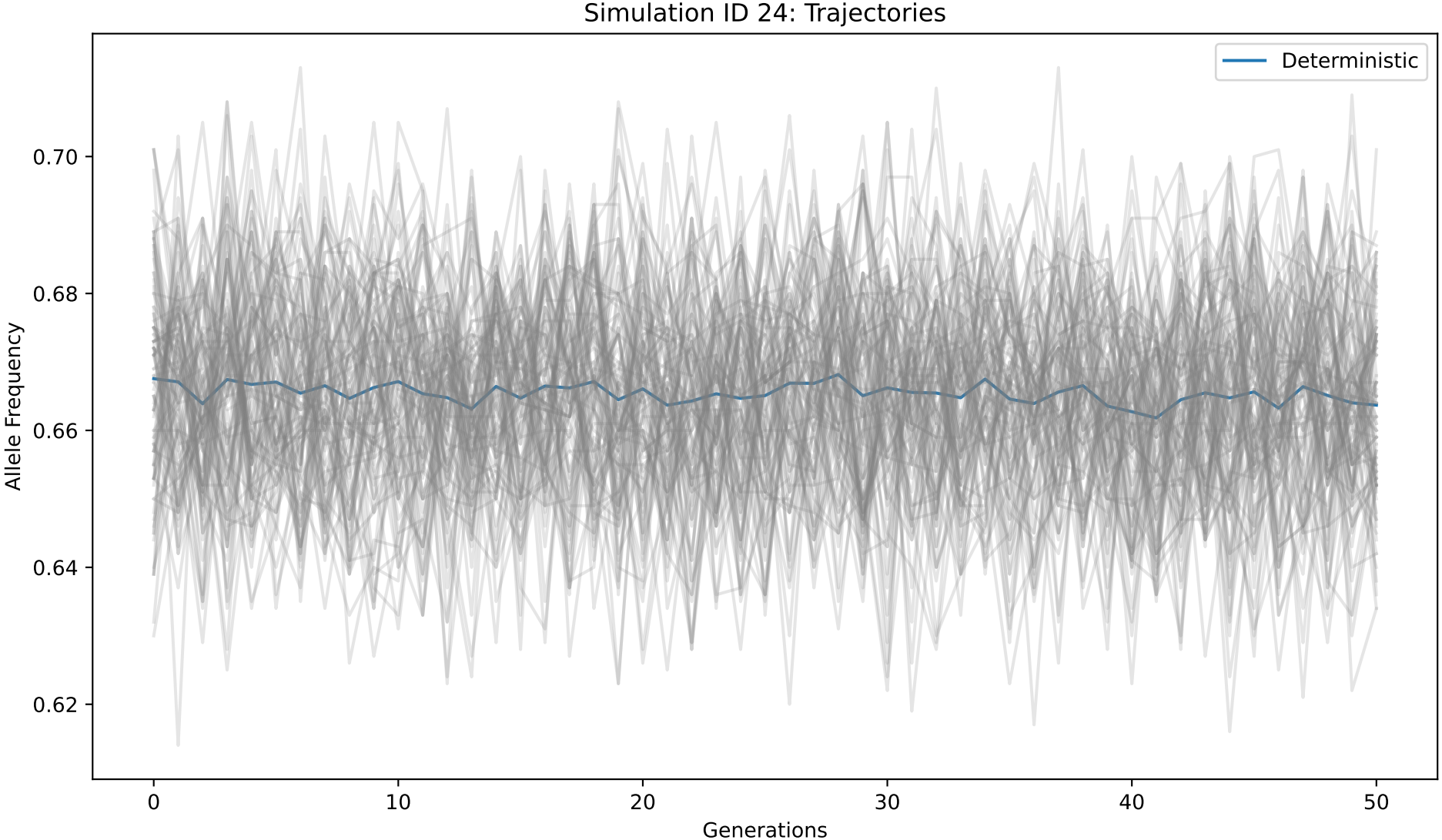

Simulation ID 19: Trajectories
Deterministic
Allele Frequency
0.92
0.90
0.88
0.86
0.84
0
20
40
60
80
100
Generations

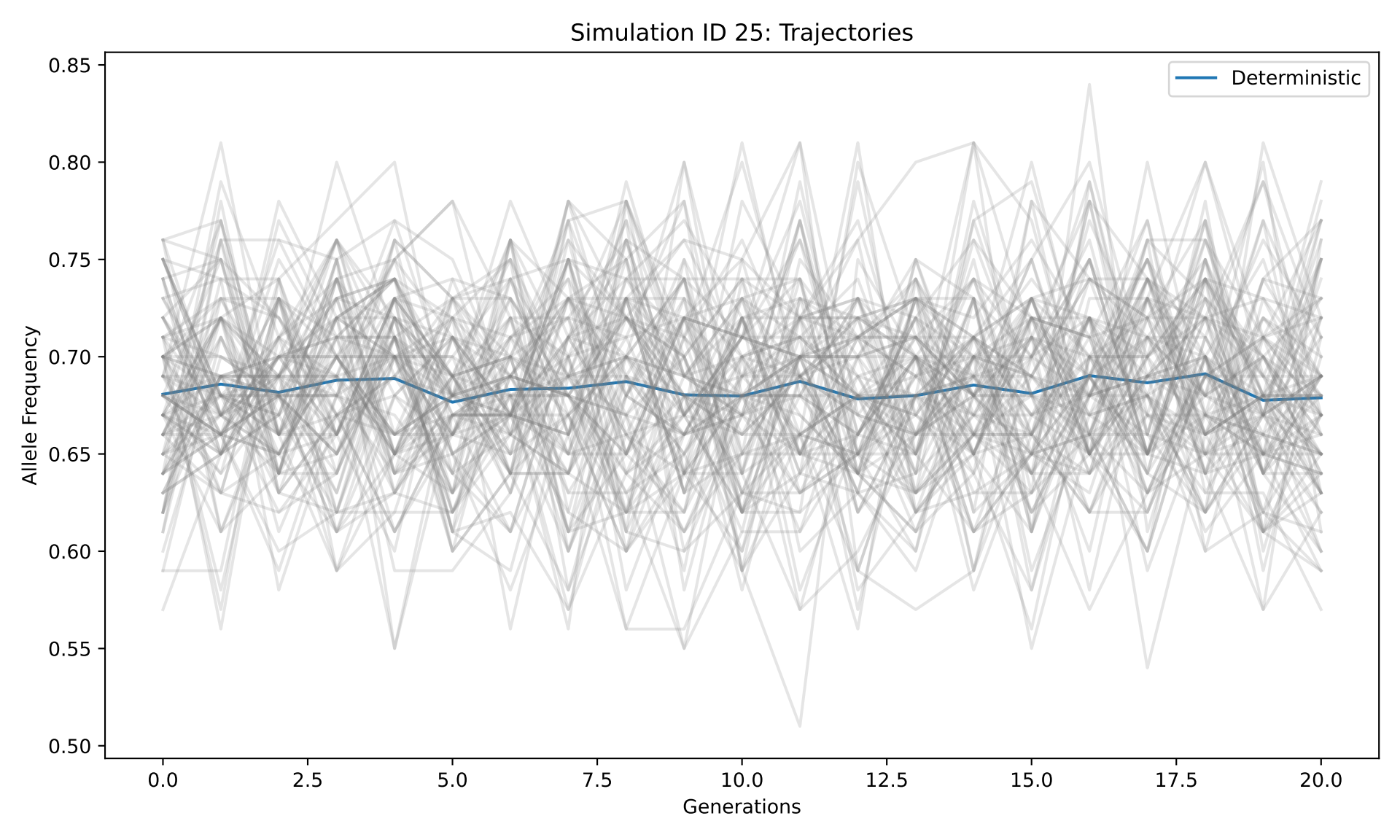

Simulation ID 20: Trajectories
Deterministic
Allele Frequency
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.55
0
20
40
60
80
100
Generations

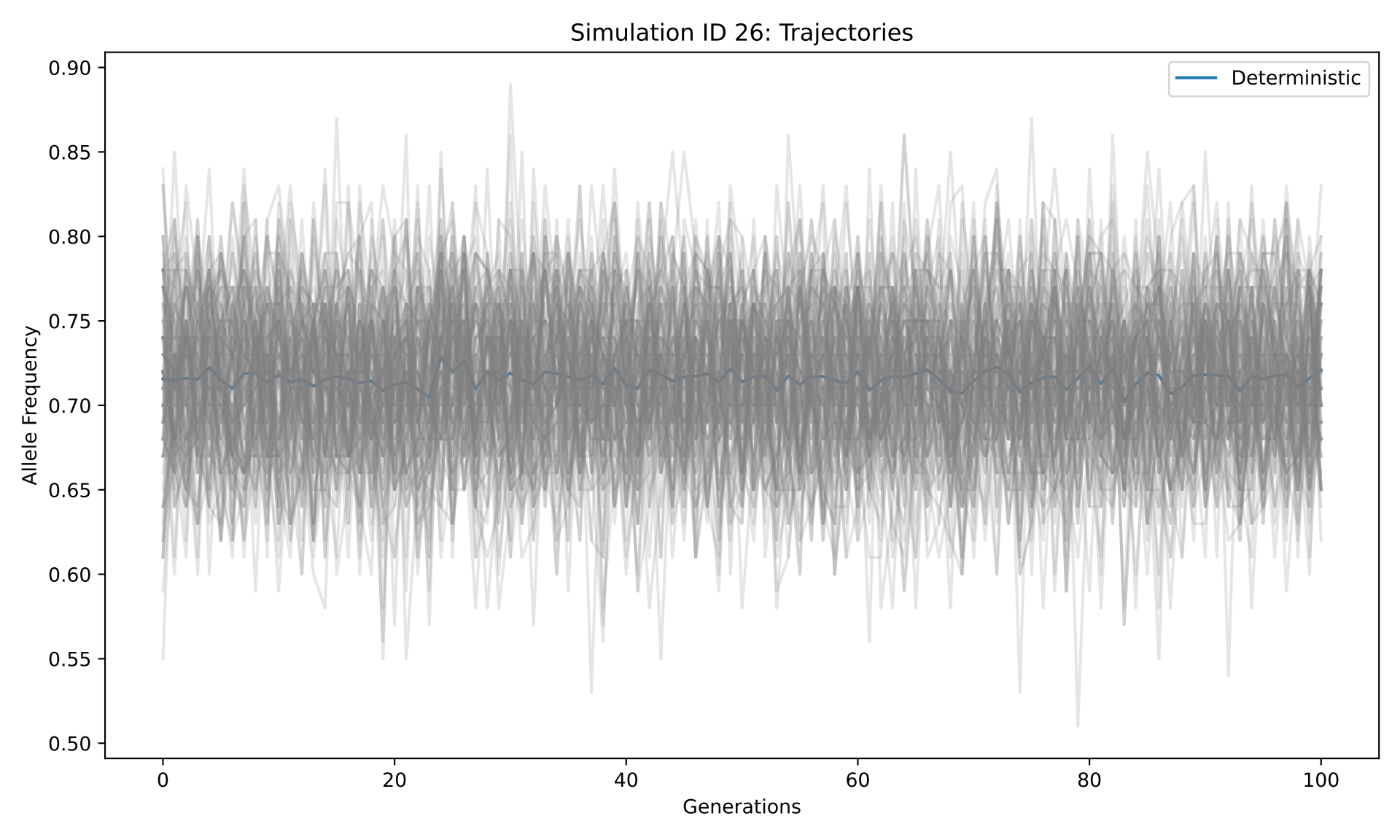

Simulation ID 21: Trajectories
Deterministic
Allele Frequency
0.5
0.4
0.3
0.2
0.1
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

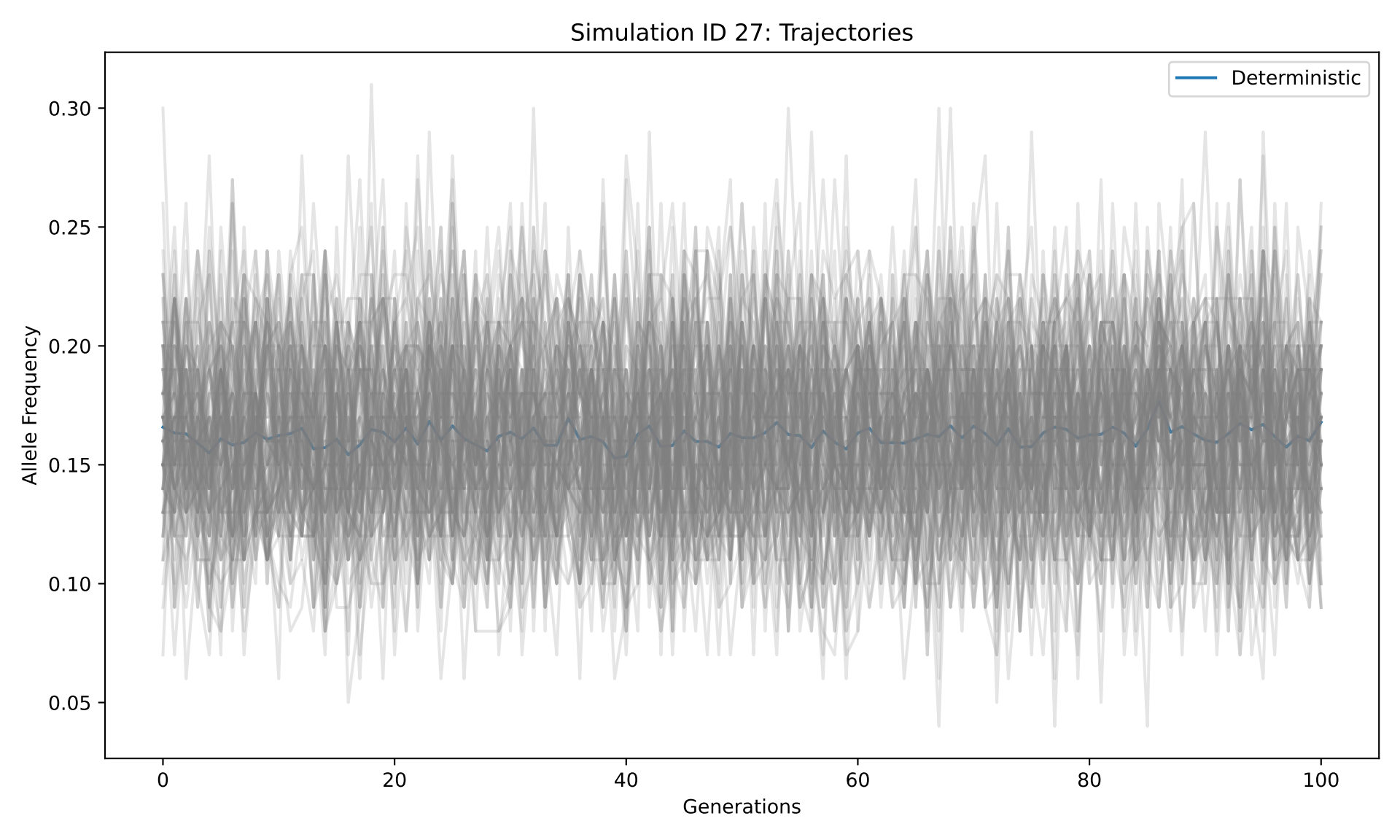

Simulation ID 22: Trajectories
Deterministic
Allele Frequency
0.225
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

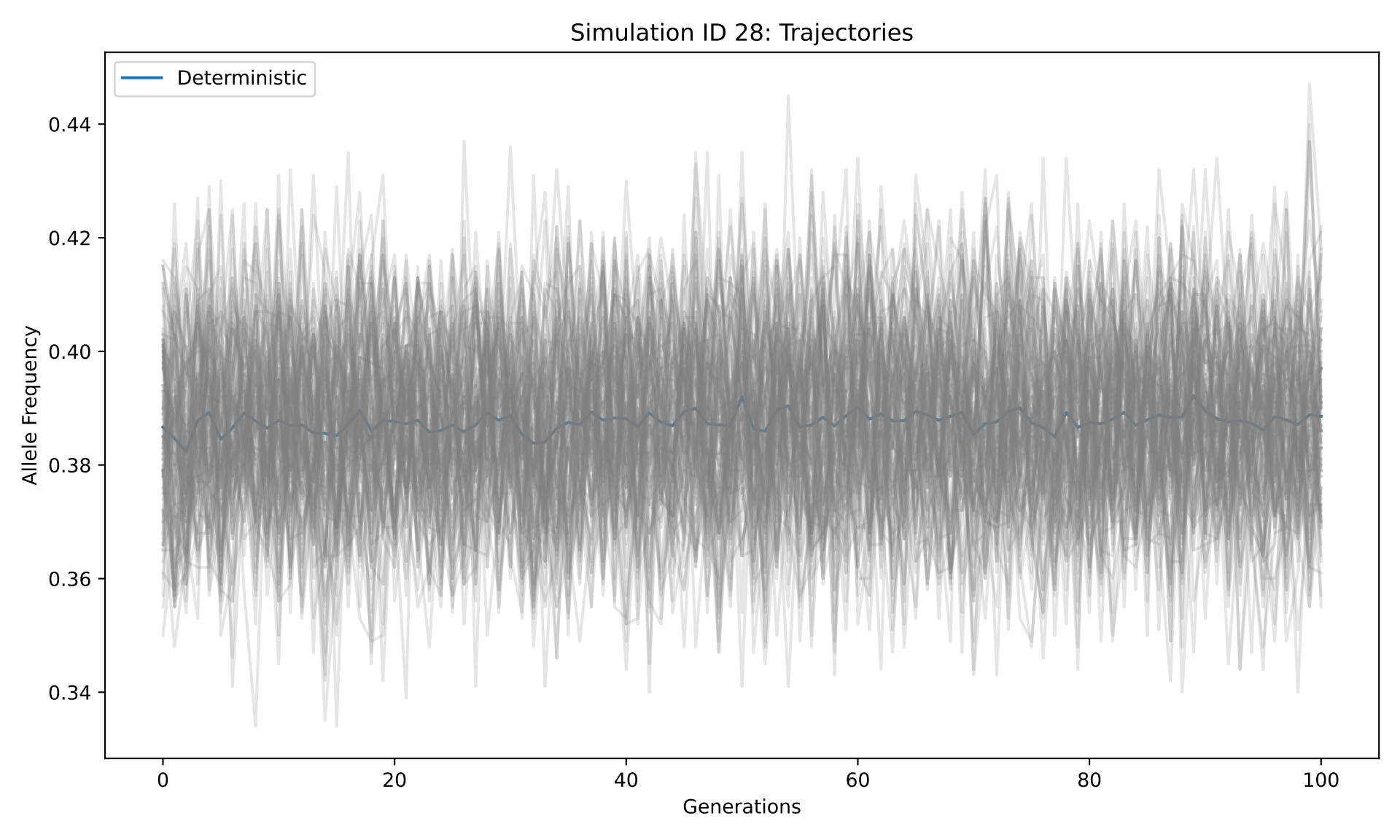

Simulation ID 23: Trajectories
Deterministic
Allele Frequency
0.80
0.78
0.76
0.74
0.72
0.70
0
20
40
60
80
100
Generations

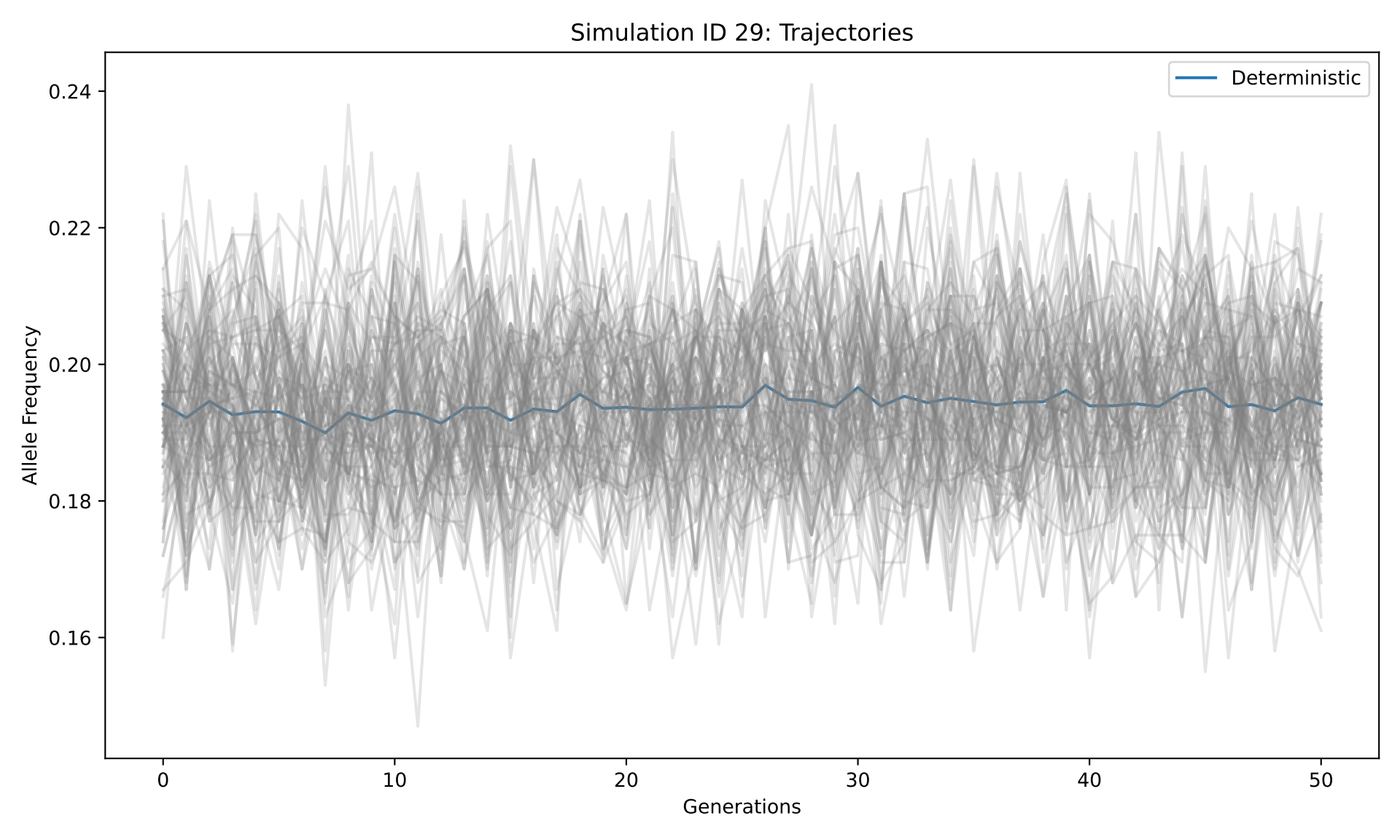

Simulation ID 24: Trajectories
Deterministic
Allele Frequency
0.70
0.68
0.66
0.64
0.62
0
10
20
30
40
50
Generations

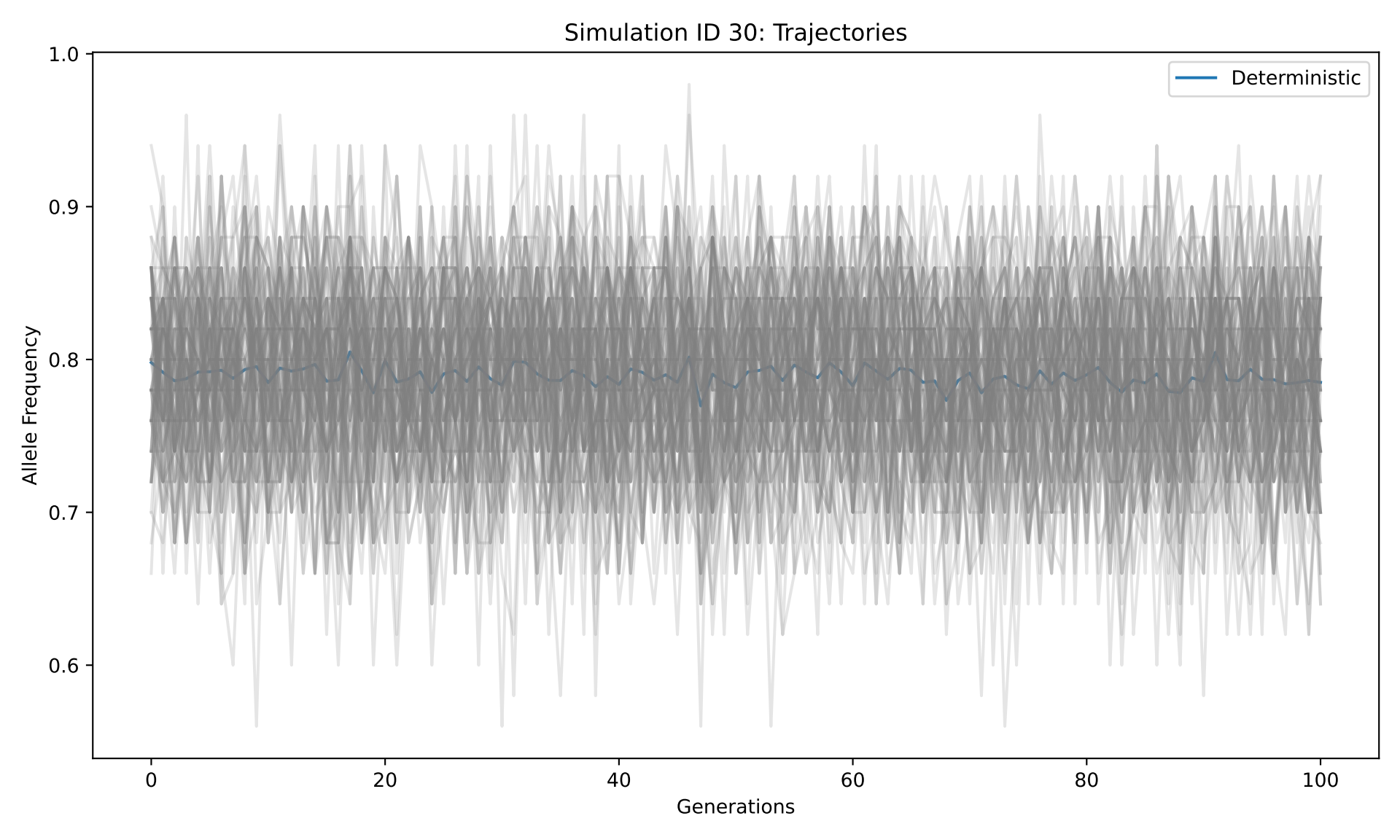

Simulation ID 25: Trajectories
Deterministic
Allele Frequency
0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

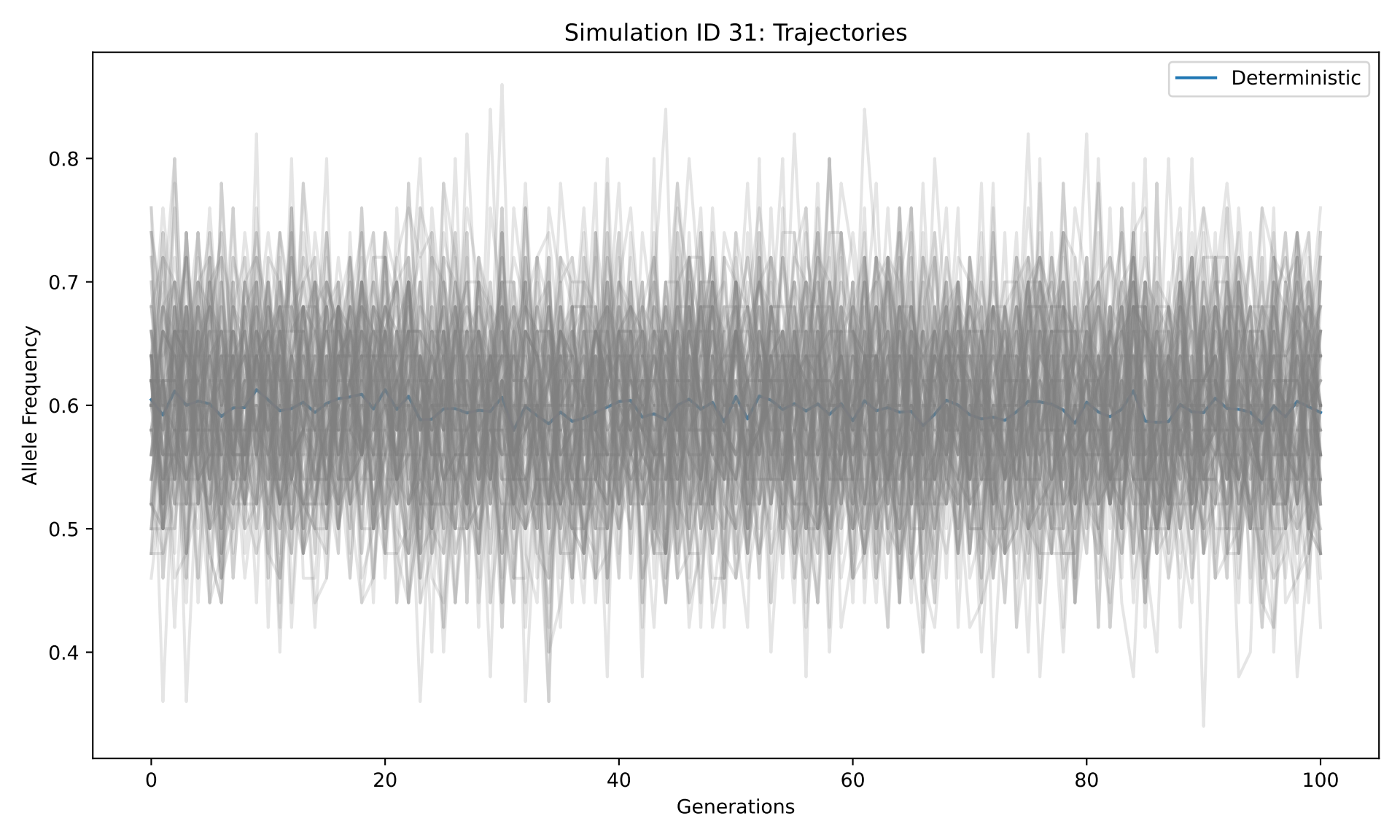

Simulation ID 26: Trajectories
Deterministic
Allele Frequency
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0
20
40
60
80
100
Generations

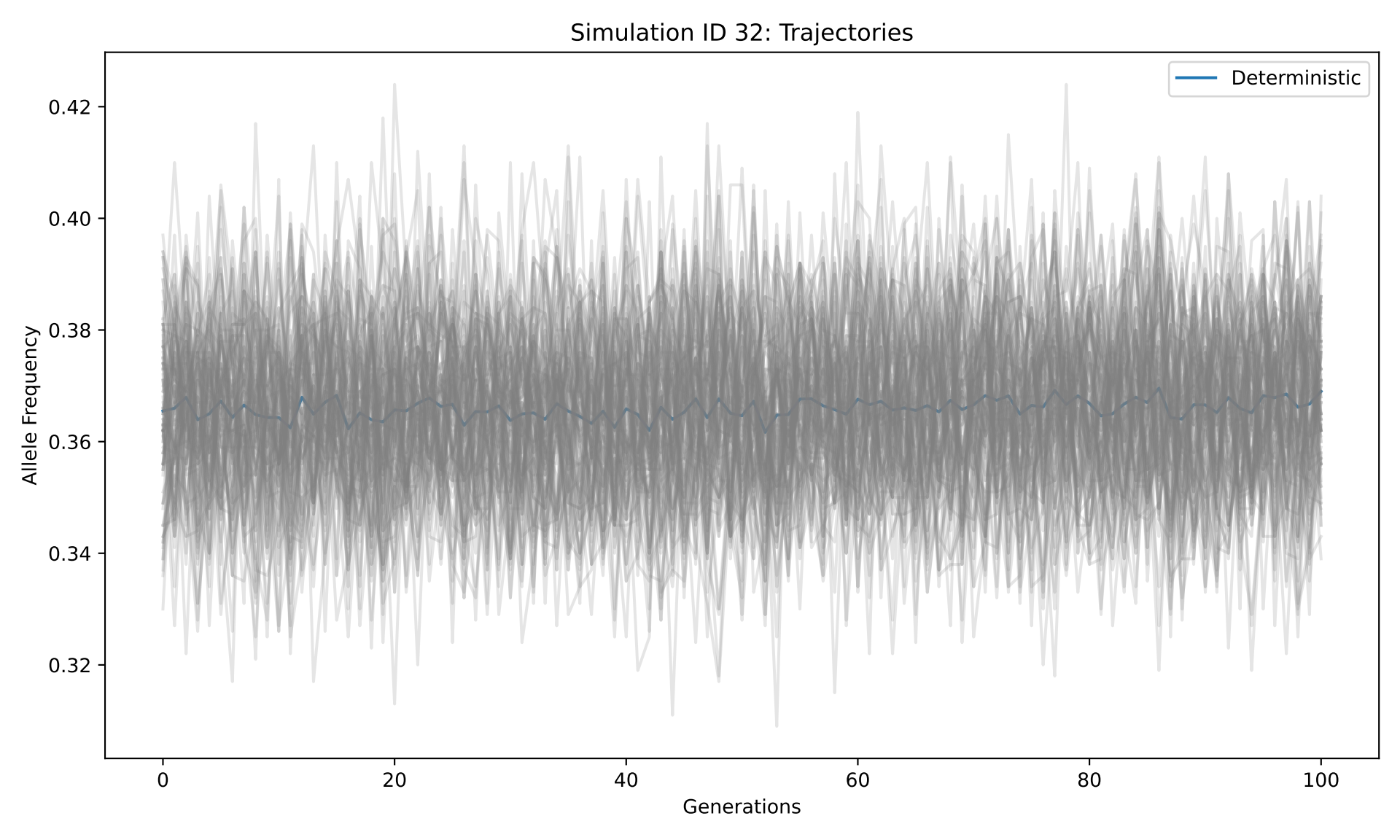

Simulation ID 27: Trajectories
Deterministic
Allele Frequency
0.30
0.25
0.20
0.15
0.10
0.05
0
20
40
60
80
100
Generations

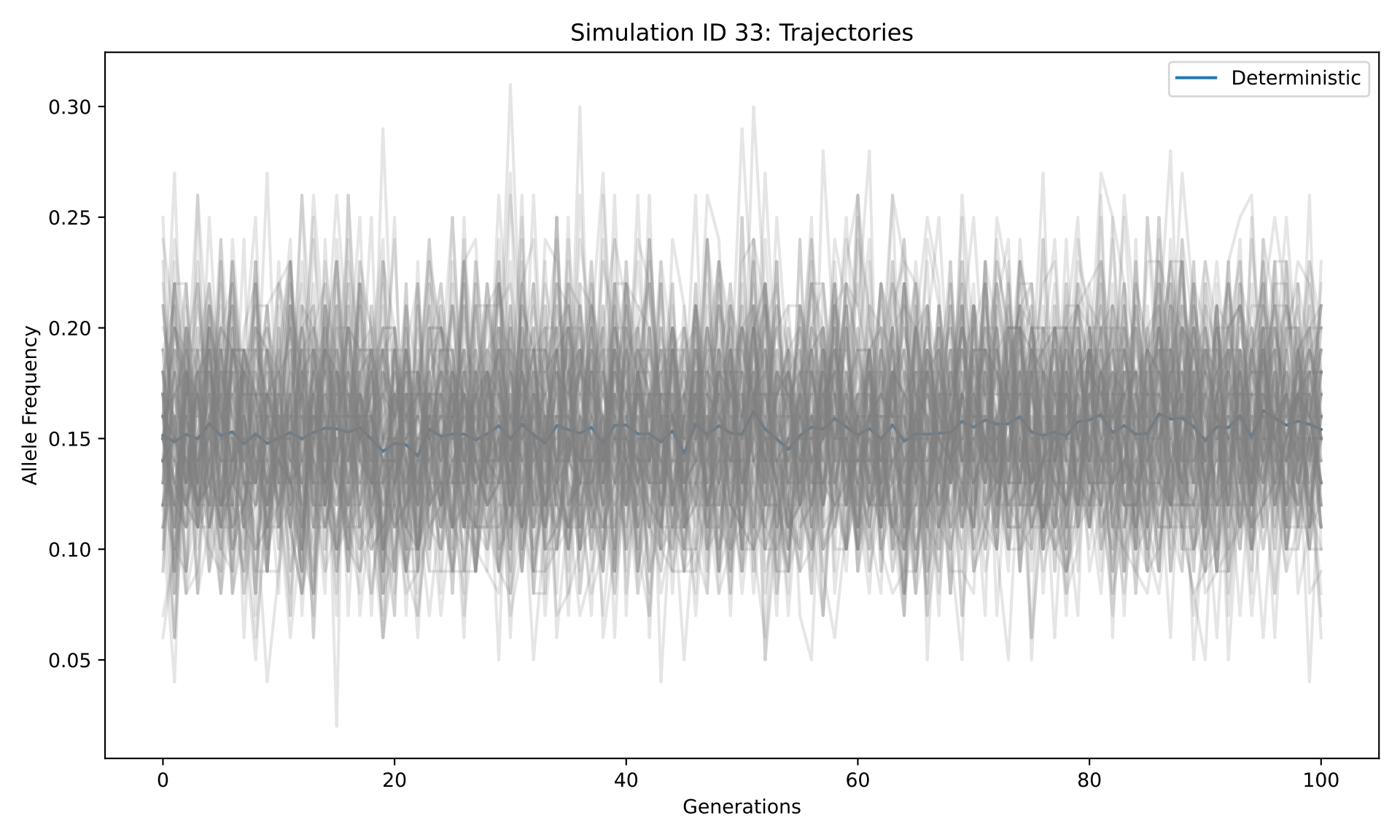

Simulation ID 28: Trajectories
Deterministic
0.44
0.42
0.40
0.38
0.36
0.34
Allele Frequency
0
20
40
60
80
100
Generations

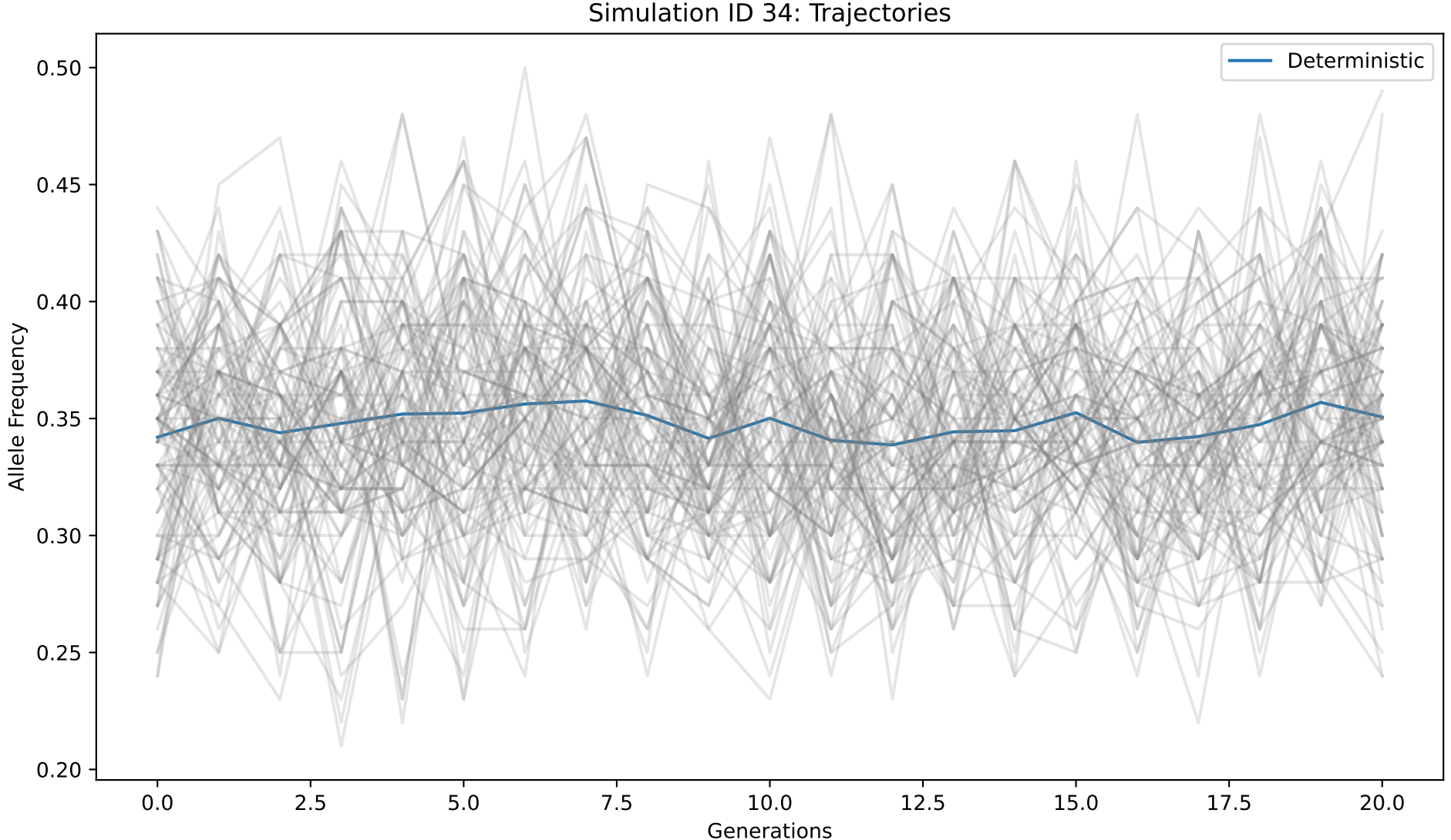

Simulation ID 29: Trajectories
Deterministic
0.24
0.22
0.20
0.18
0.16
Allele Frequency
0
10
20
30
40
50
Generations

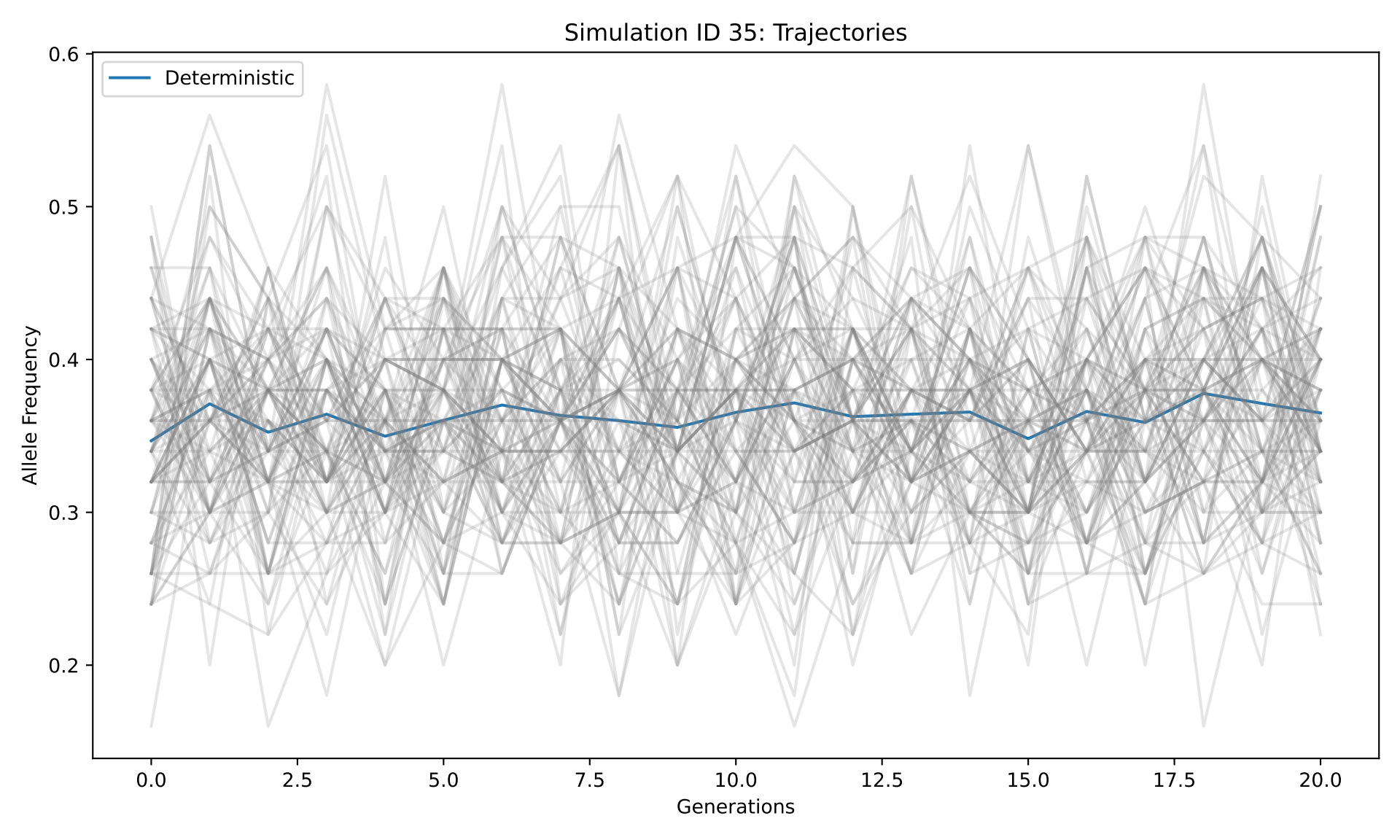

Simulation ID 30: Trajectories
Deterministic
1.0
0.9
0.8
0.7
0.6
Allele Frequency
0
20
40
60
80
100
Generations

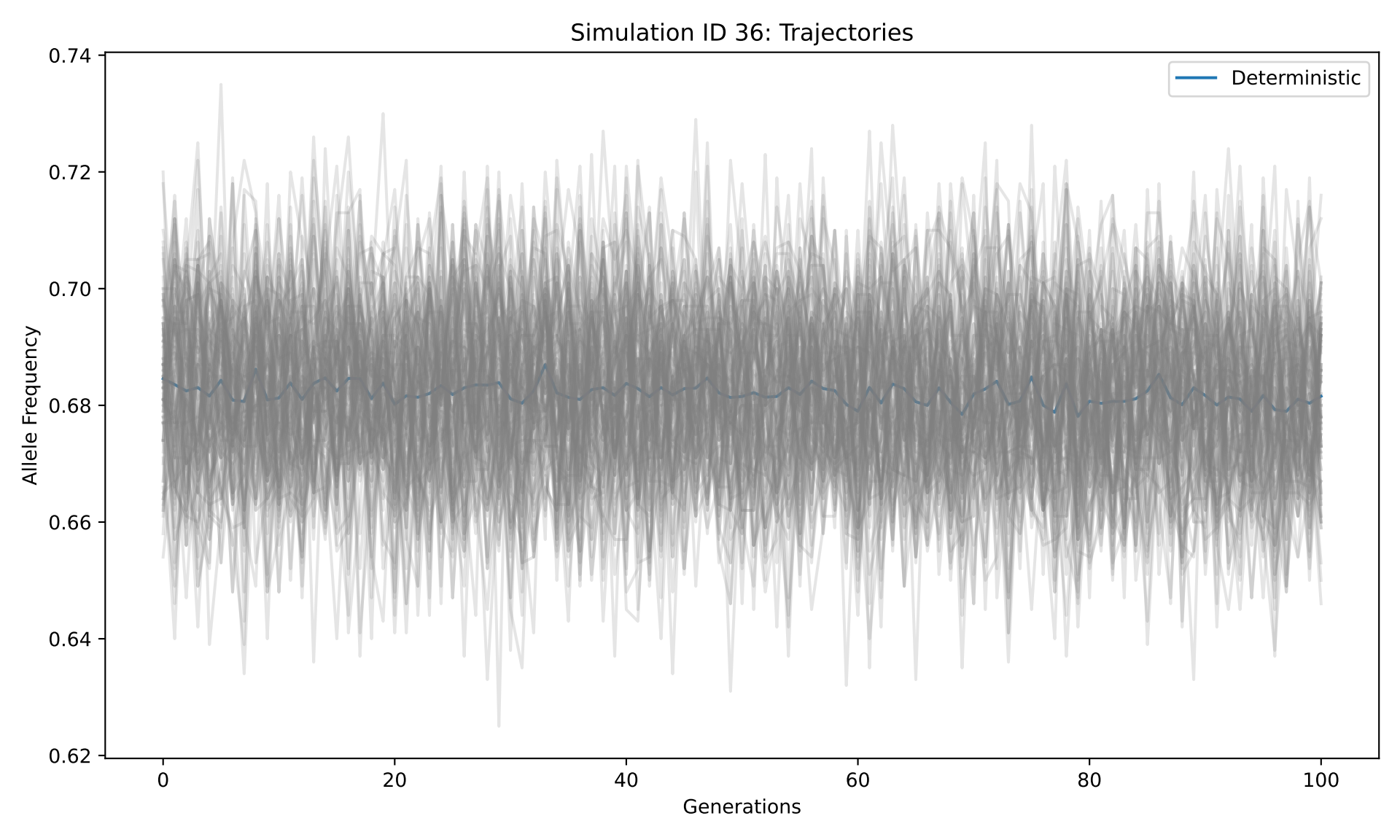

Simulation ID 31: Trajectories
Deterministic
Allele Frequency
0.8
0.7
0.6
0.5
0.4
0
20
40
60
80
100
Generations

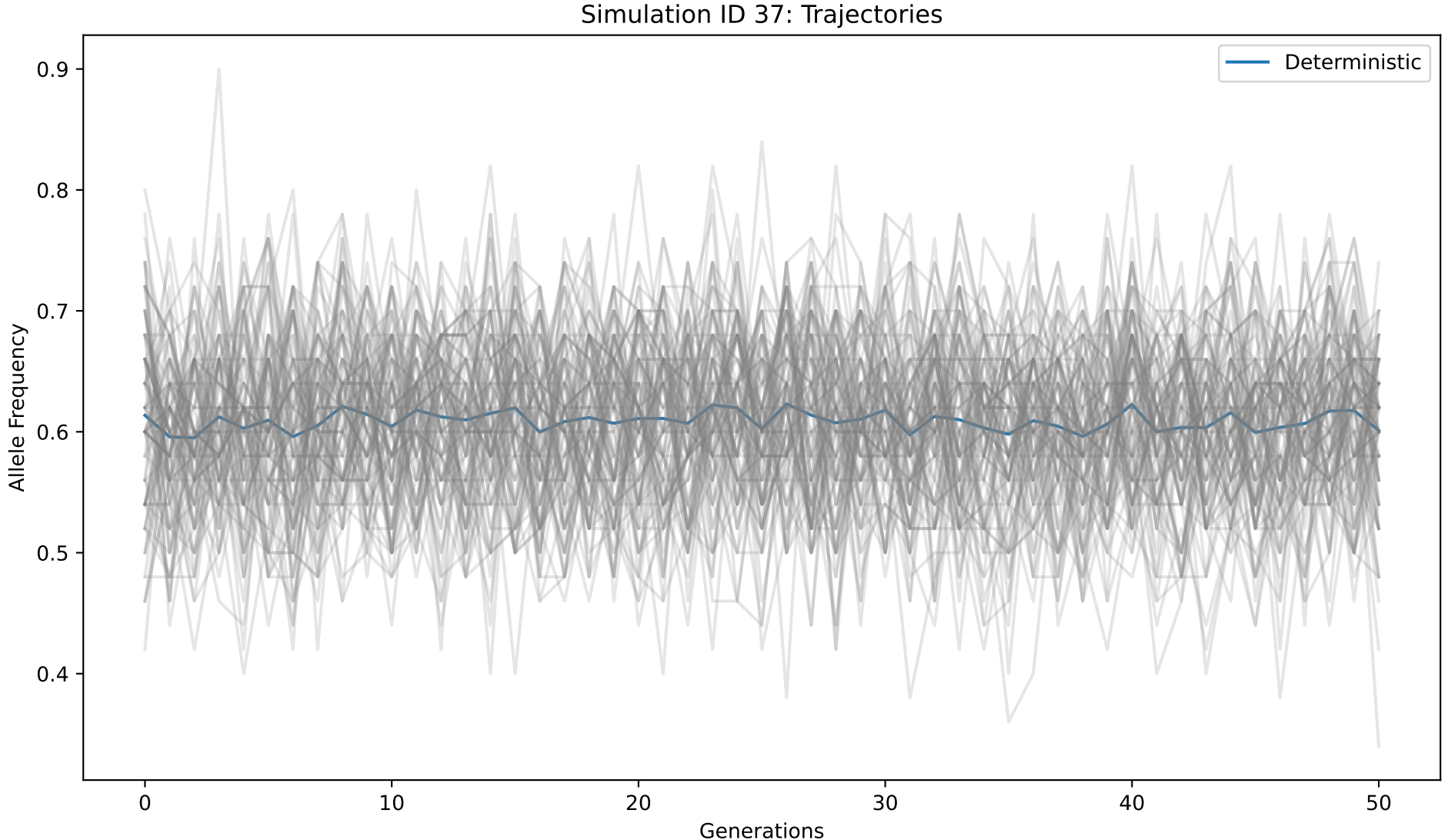

Simulation ID 32: Trajectories
Deterministic
Allele Frequency
0.42
0.40
0.38
0.36
0.34
0.32
0
20
40
60
80
100
Generations

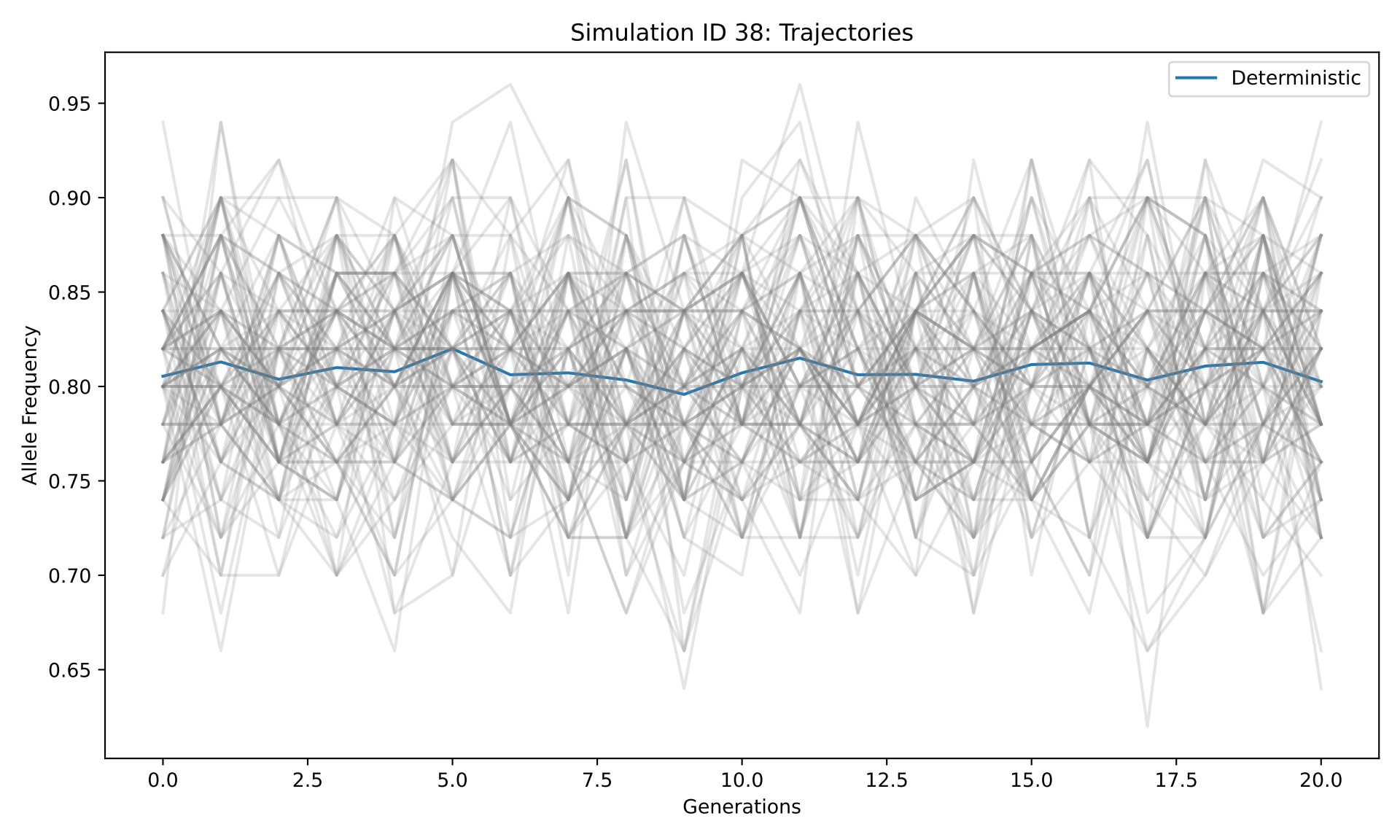

Simulation ID 33: Trajectories
Deterministic
Allele Frequency
0.30
0.25
0.20
0.15
0.10
0.05
0
20
40
60
80
100
Generations

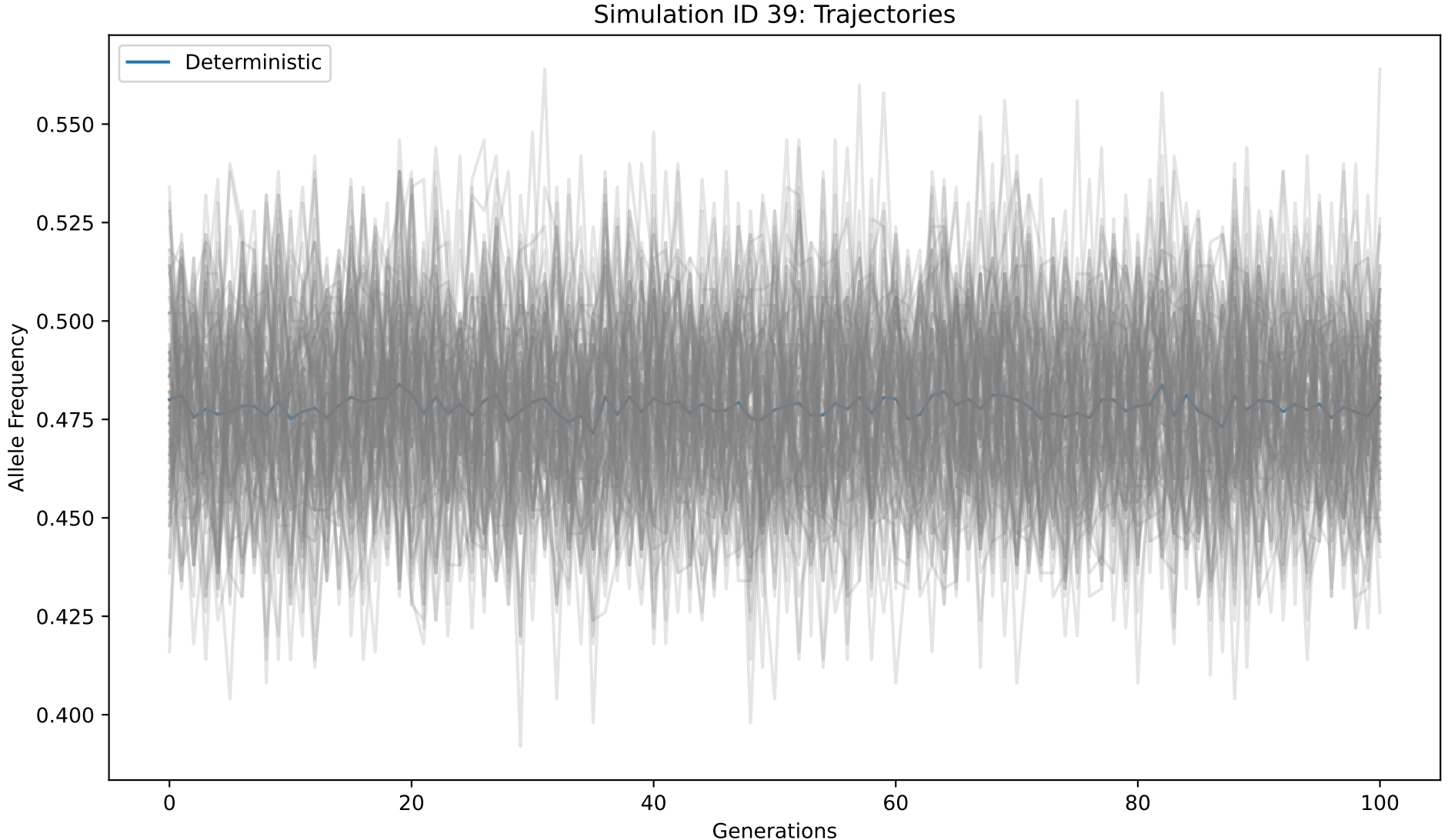

Simulation ID 34: Trajectories
Deterministic
Allele Frequency
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

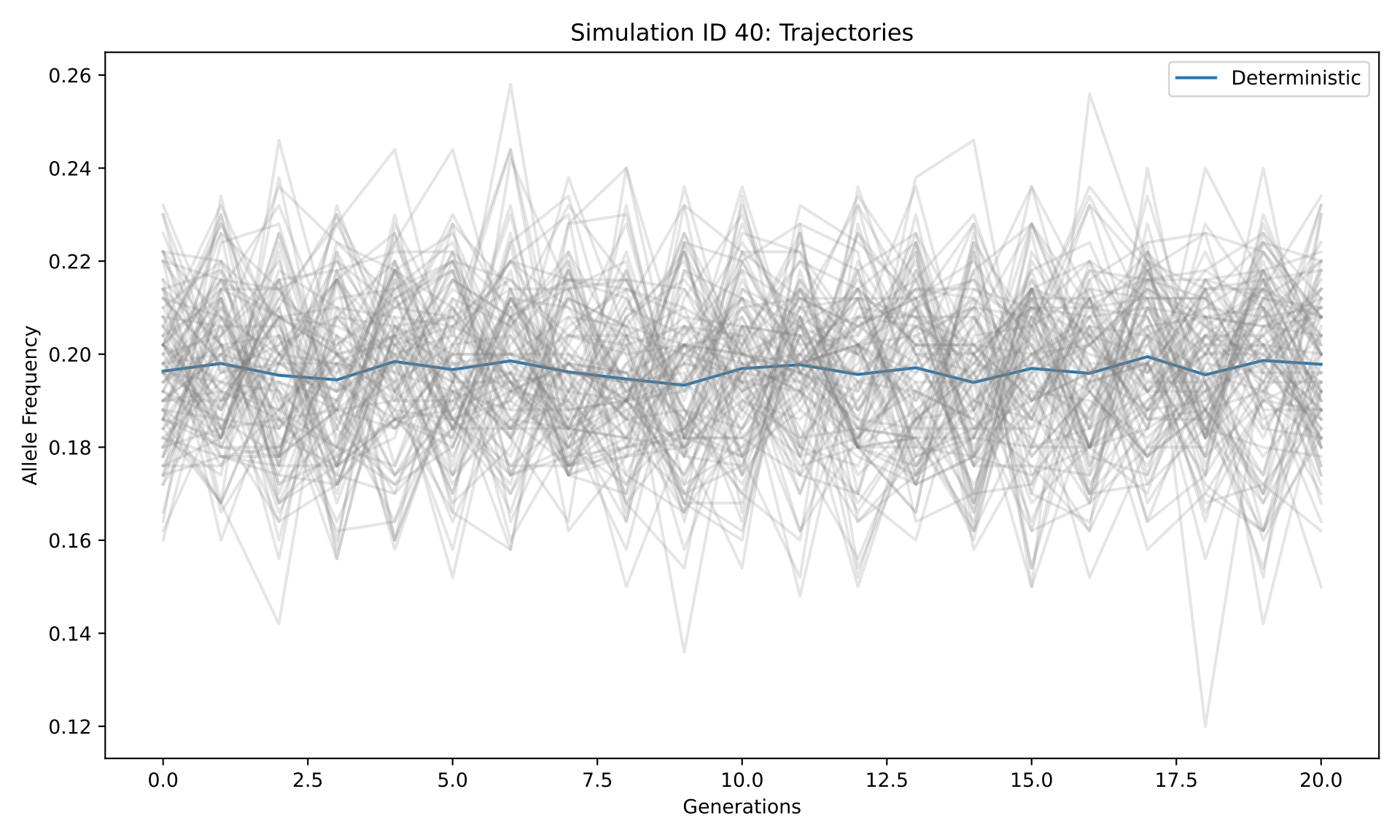

Simulation ID 35: Trajectories
Deterministic
Allele Frequency
0.6
0.5
0.4
0.3
0.2
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

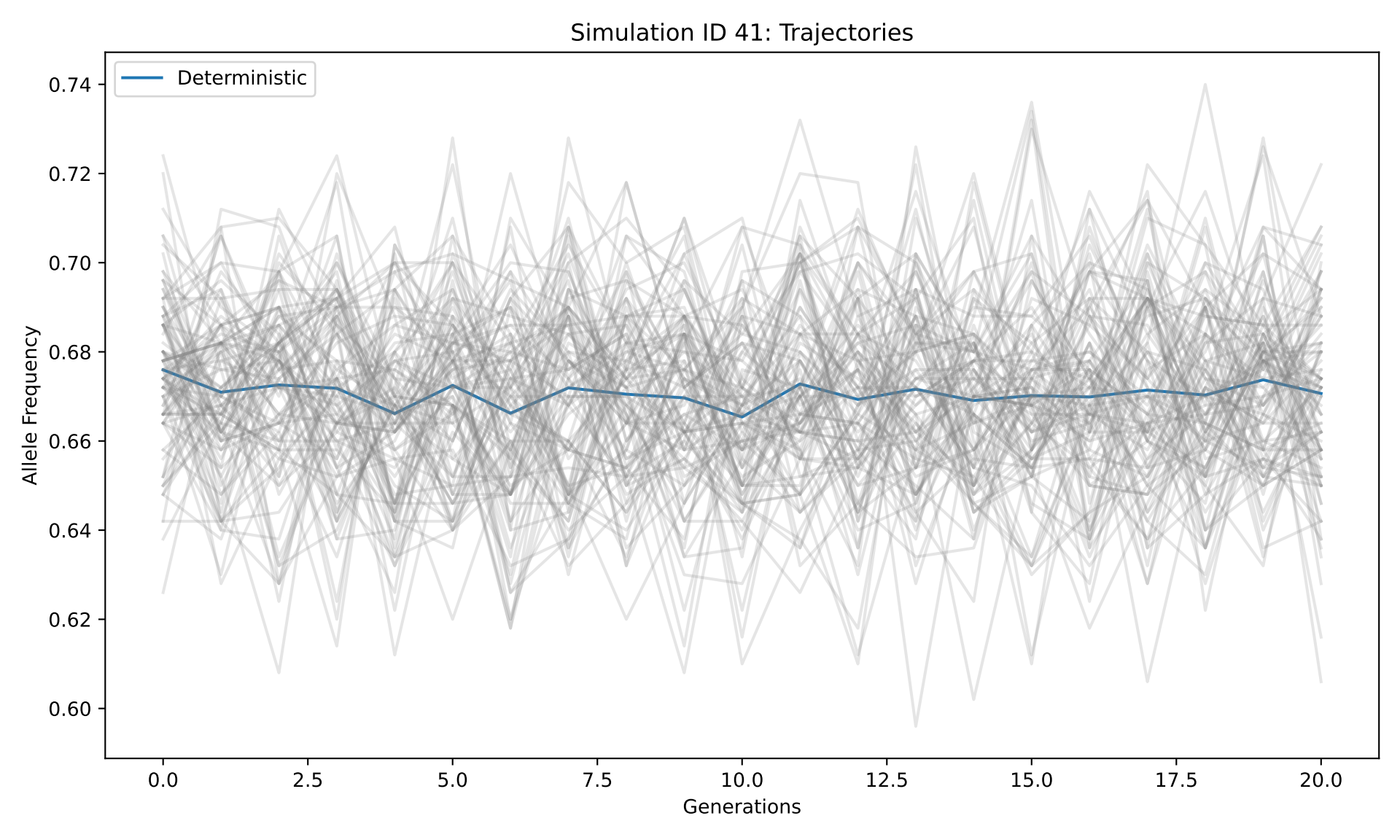

Simulation ID 36: Trajectories
Deterministic
Allele Frequency
0.74
0.72
0.70
0.68
0.66
0.64
0.62
0
20
40
60
80
100
Generations

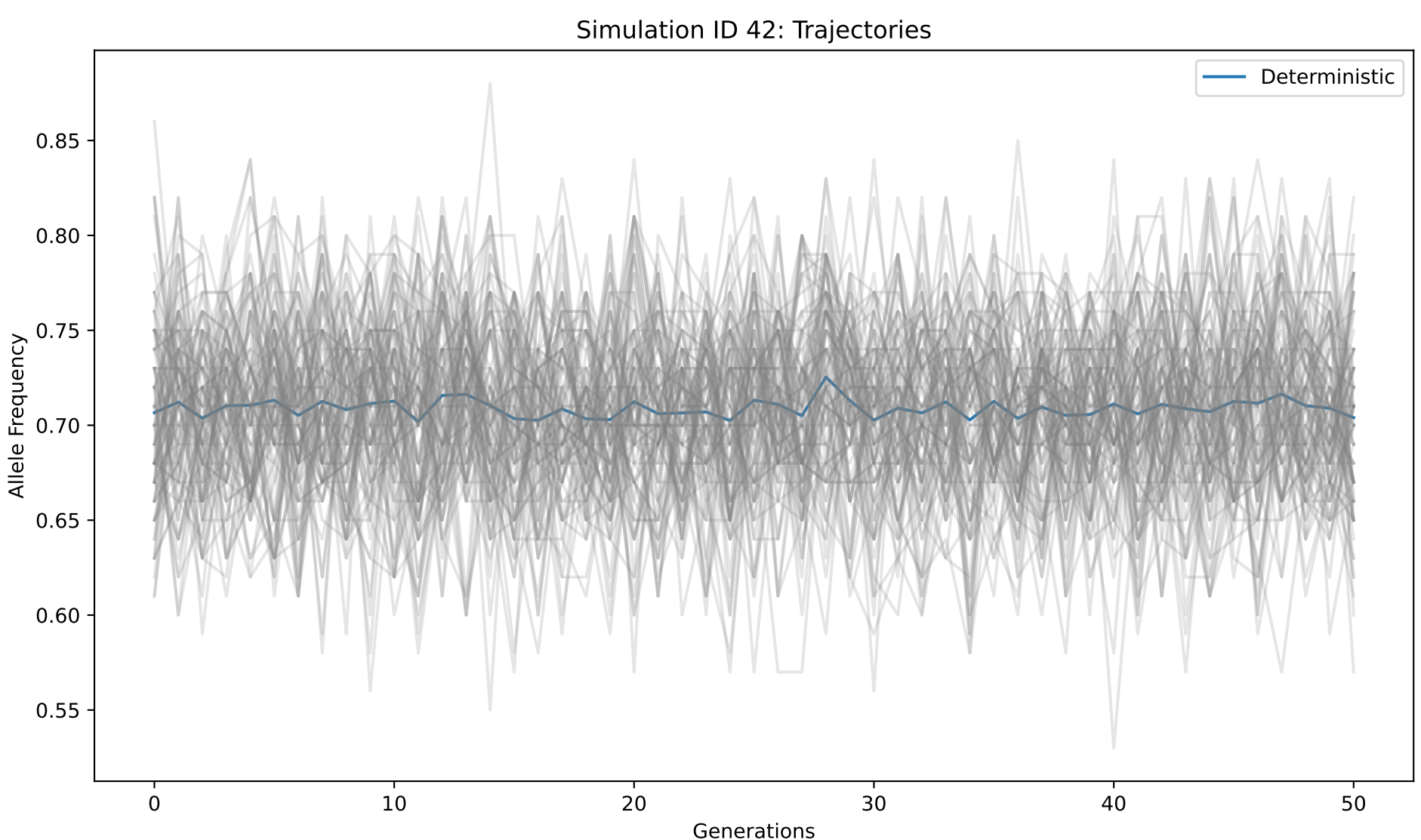

Simulation ID 37: Trajectories
Deterministic
Allele Frequency
0.9
0.8
0.7
0.6
0.5
0.4
0
10
20
30
40
50
Generations

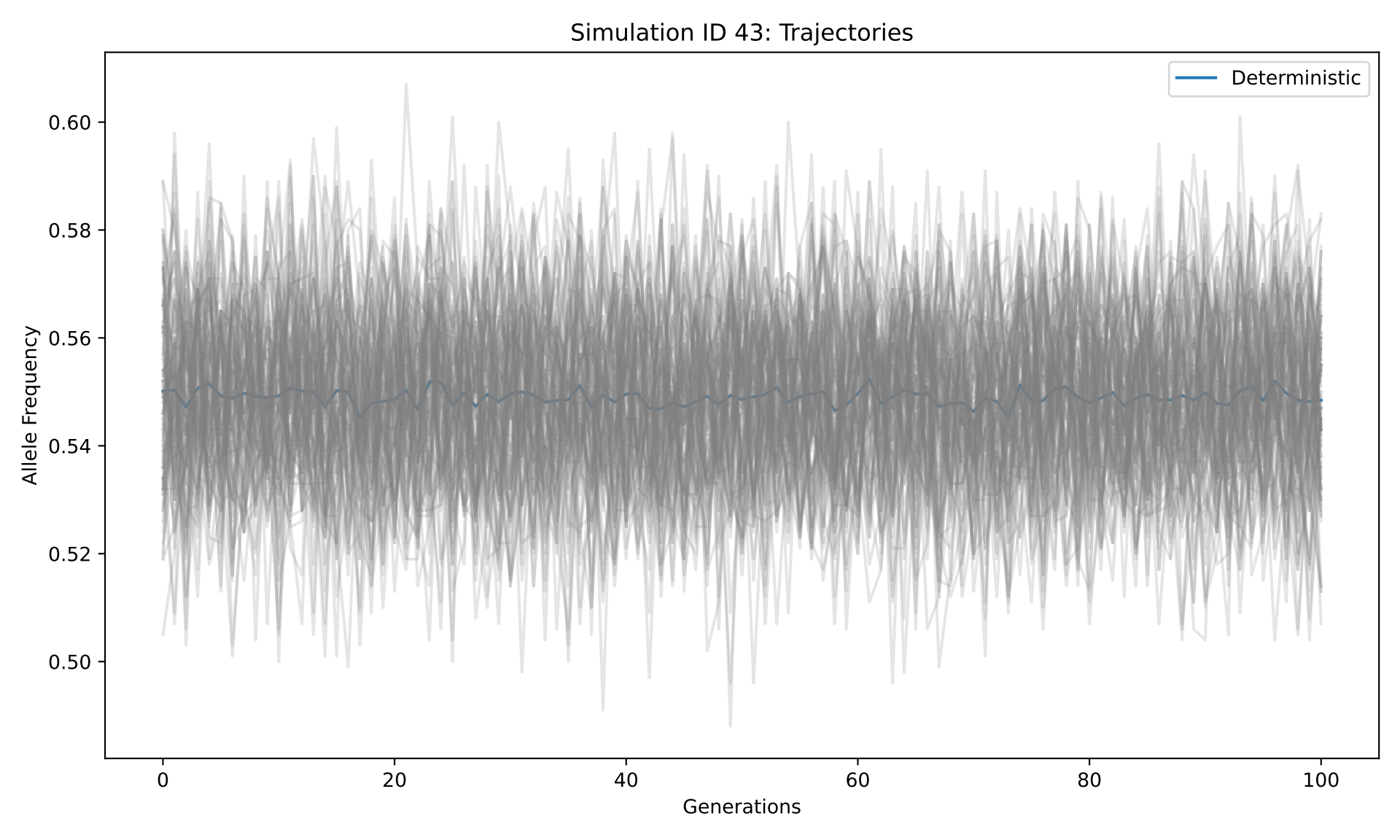

Simulation ID 38: Trajectories
Deterministic
Allele Frequency
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

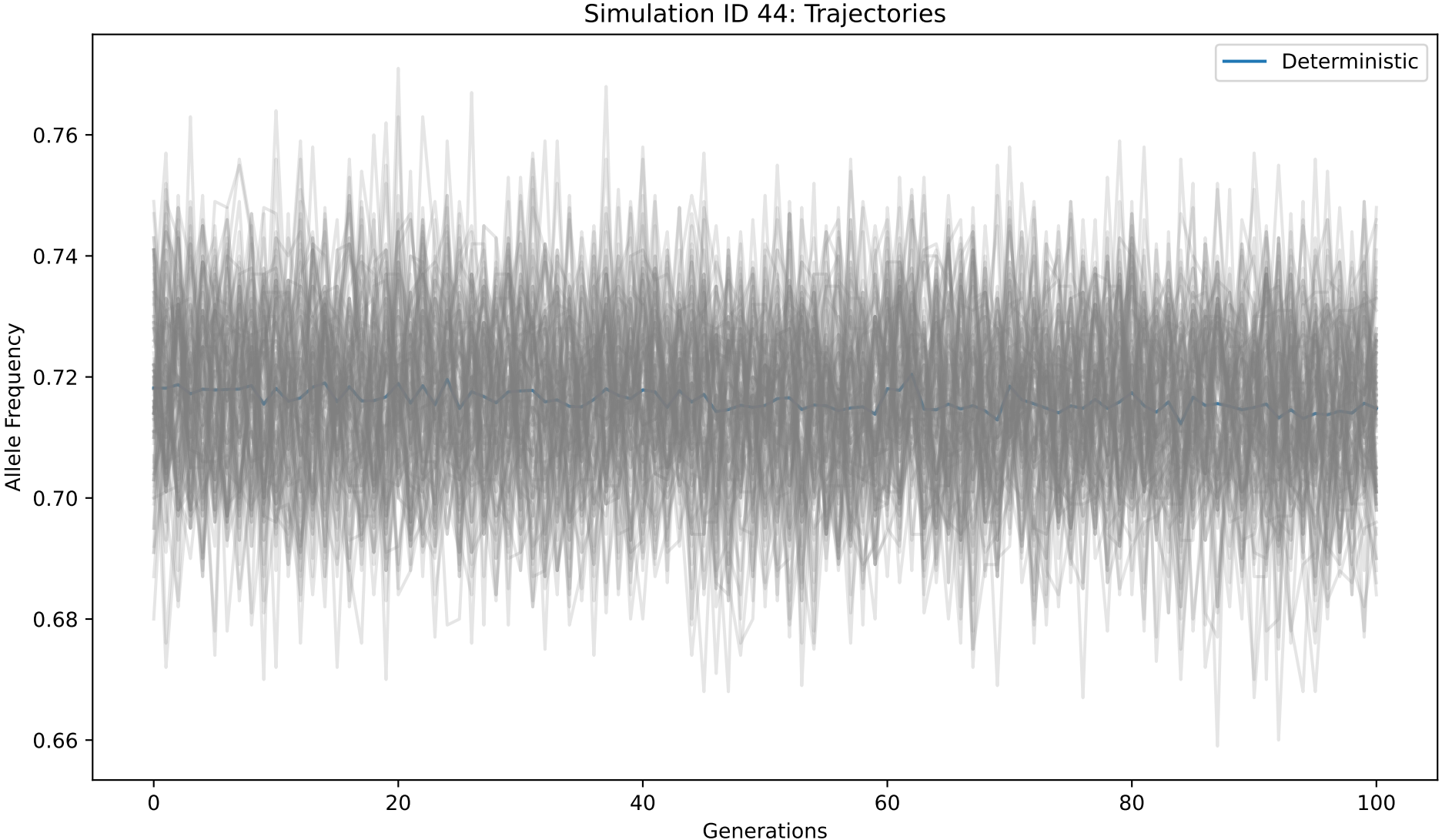

Simulation ID 39: Trajectories
Deterministic
0.550
0.525
0.500
0.475
0.450
0.425
0.400
Allele Frequency
0
20
40
60
80
100
Generations

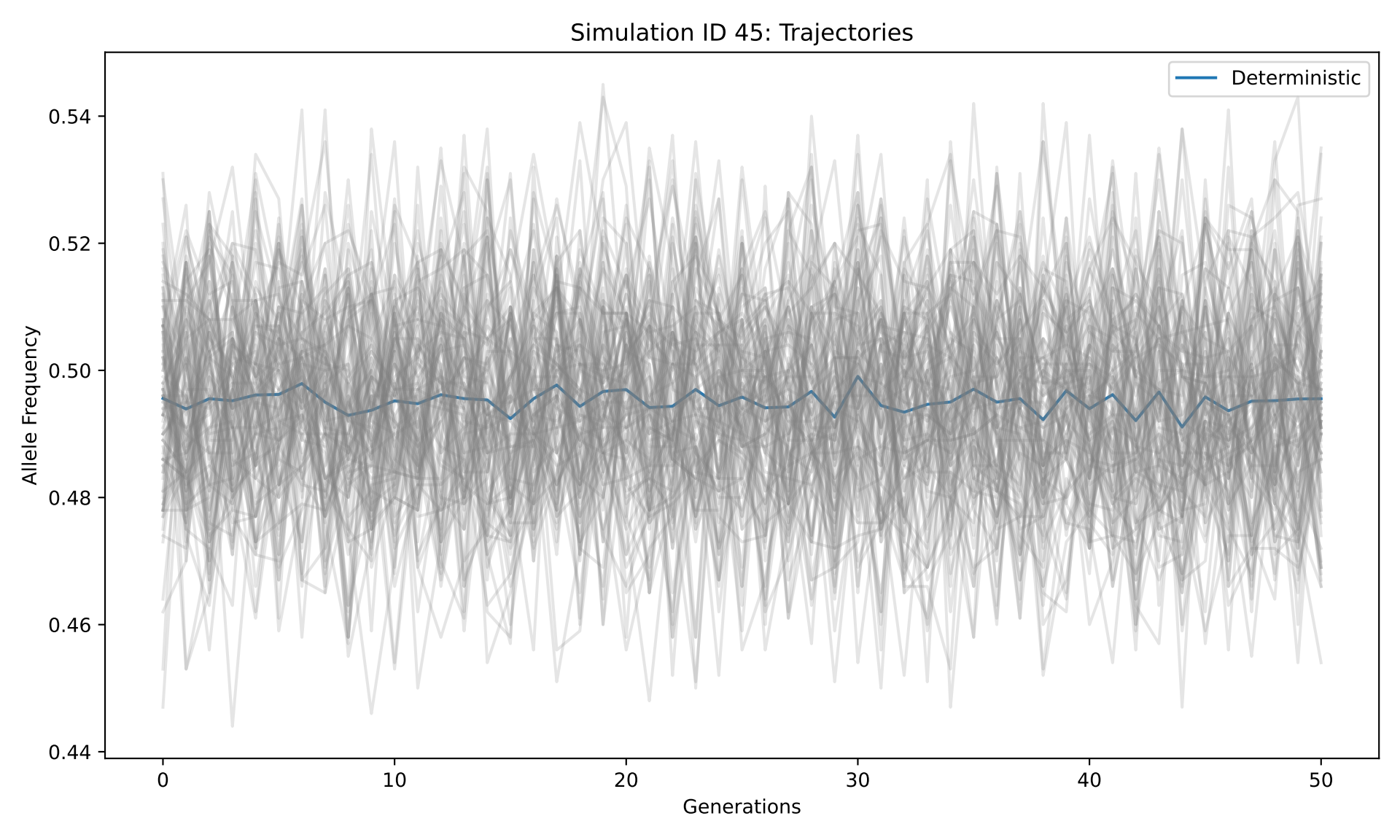

Simulation ID 40: Trajectories
Deterministic
Allele Frequency
0.26
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

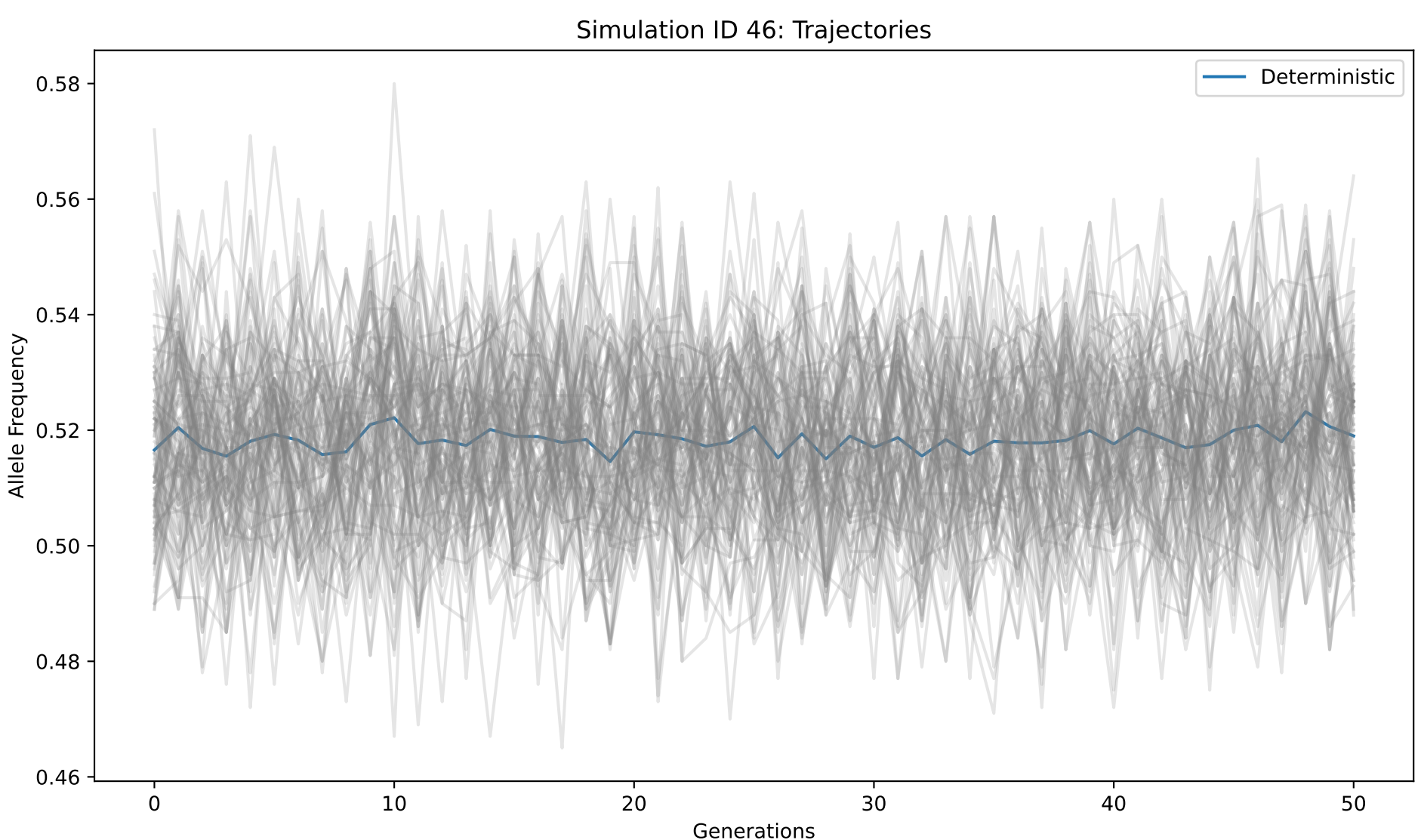

Simulation ID 41: Trajectories
Deterministic
0.74
0.72
0.70
0.68
0.66
0.64
0.62
0.60
Allele Frequency
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

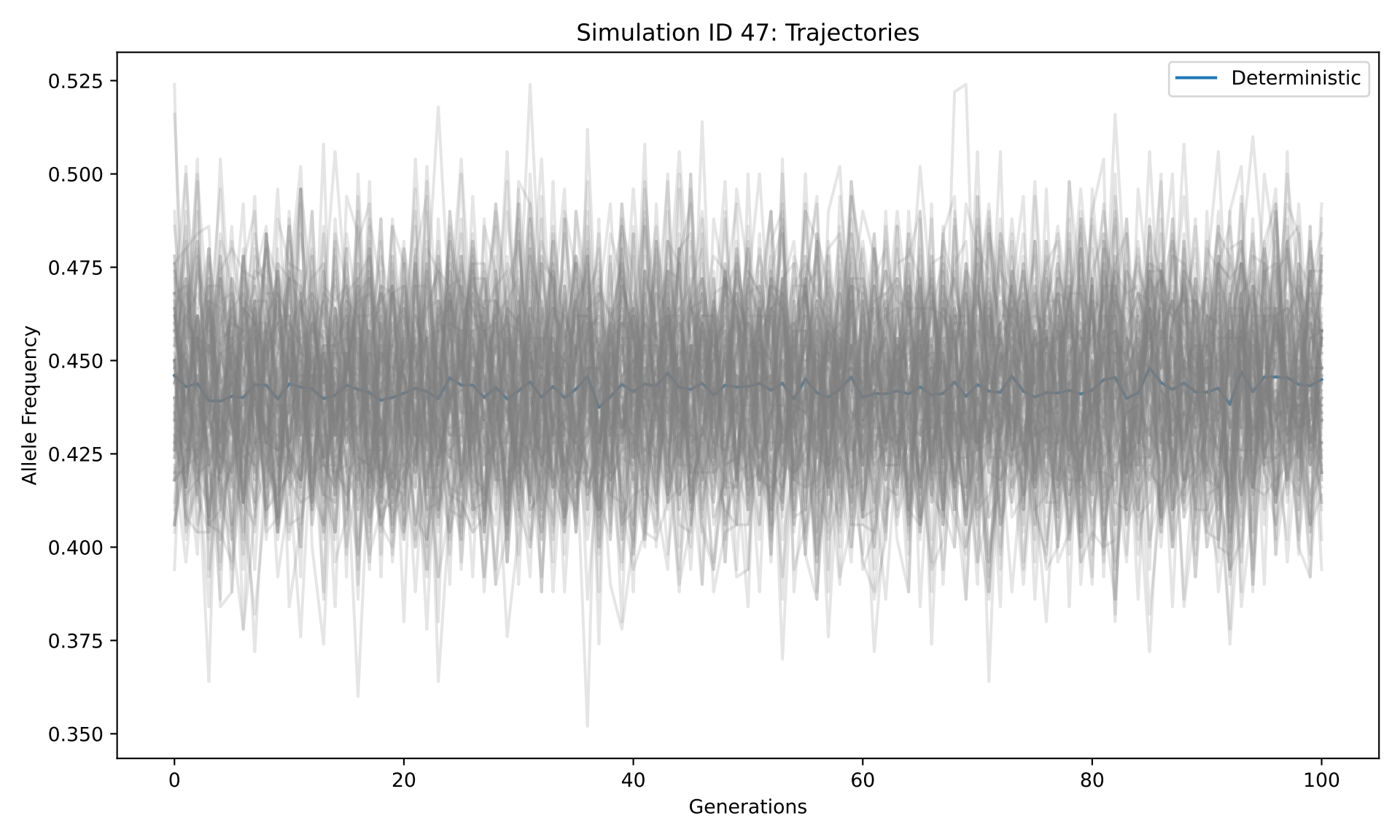

Simulation ID 42: Trajectories
Deterministic
Allele Frequency
0.85
0.80
0.75
0.70
0.65
0.60
0.55
0
10
20
30
40
50
Generations

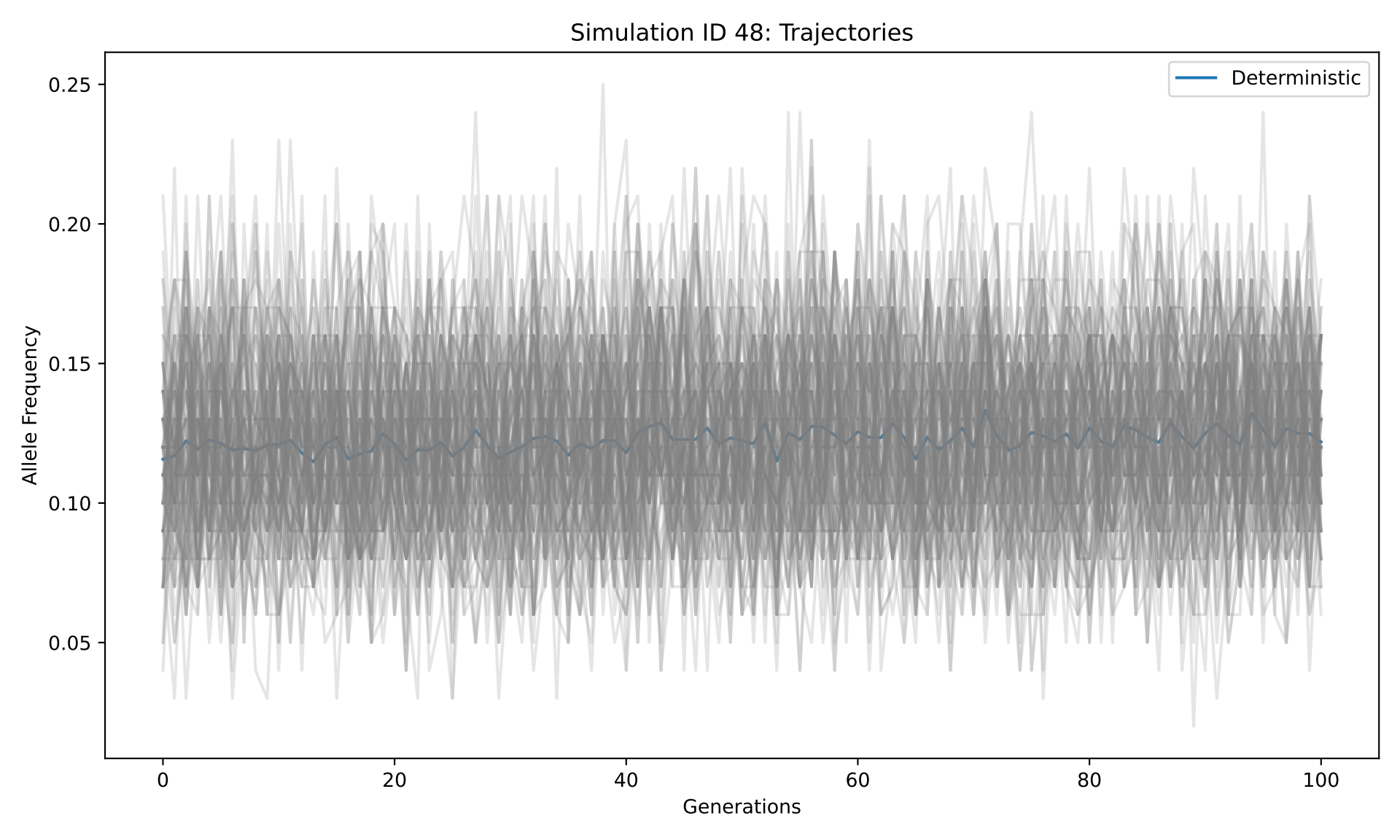

Simulation ID 43: Trajectories
Deterministic
Allele Frequency
0.60
0.58
0.56
0.54
0.52
0.50
0
20
40
60
80
100
Generations

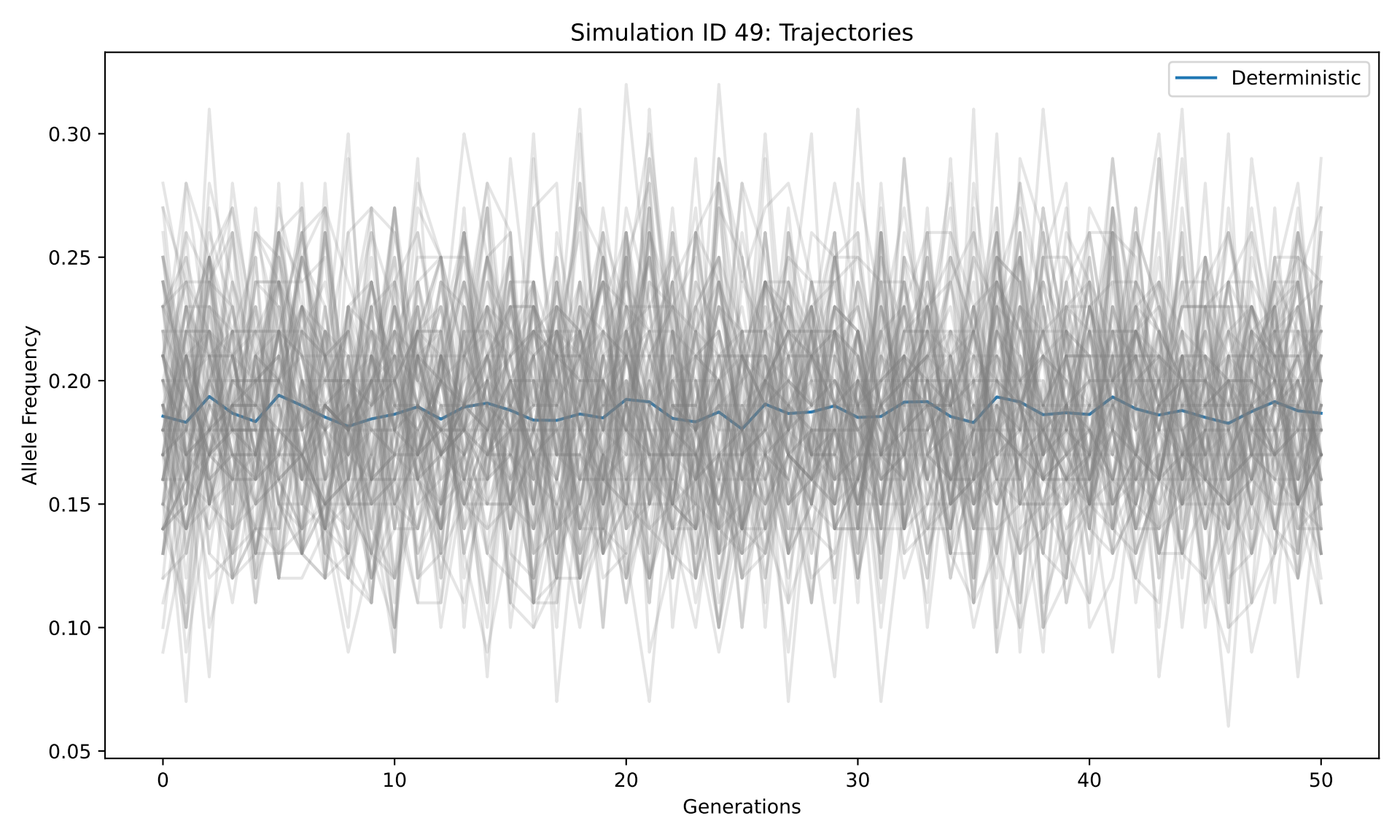

Simulation ID 44: Trajectories
Deterministic
Allele Frequency
0.76
0.74
0.72
0.70
0.68
0.66
0
20
40
60
80
100
Generations

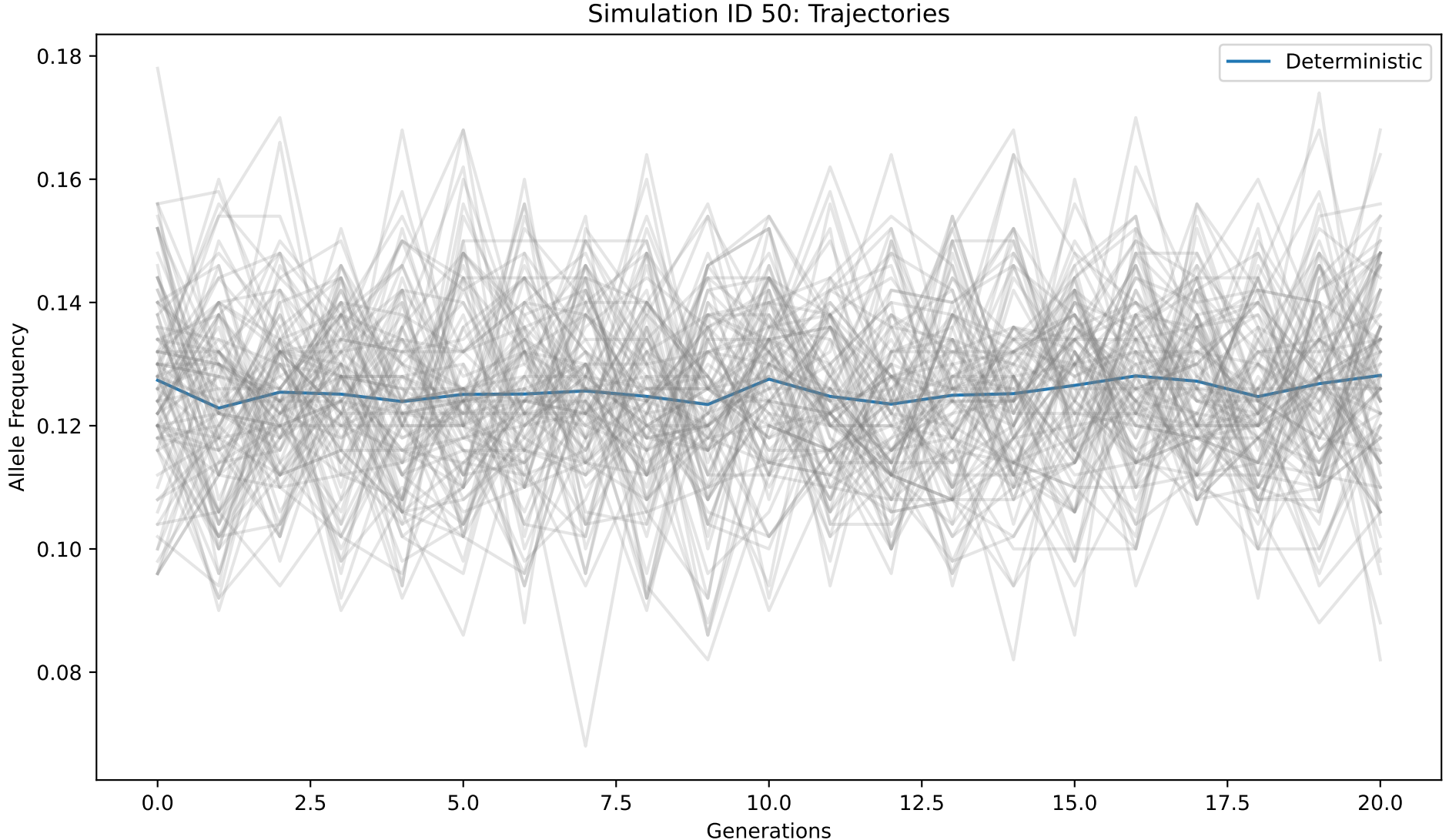

Simulation ID 45: Trajectories
Deterministic
Allele Frequency
0.54
0.52
0.50
0.48
0.46
0.44
0
10
20
30
40
50
Generations

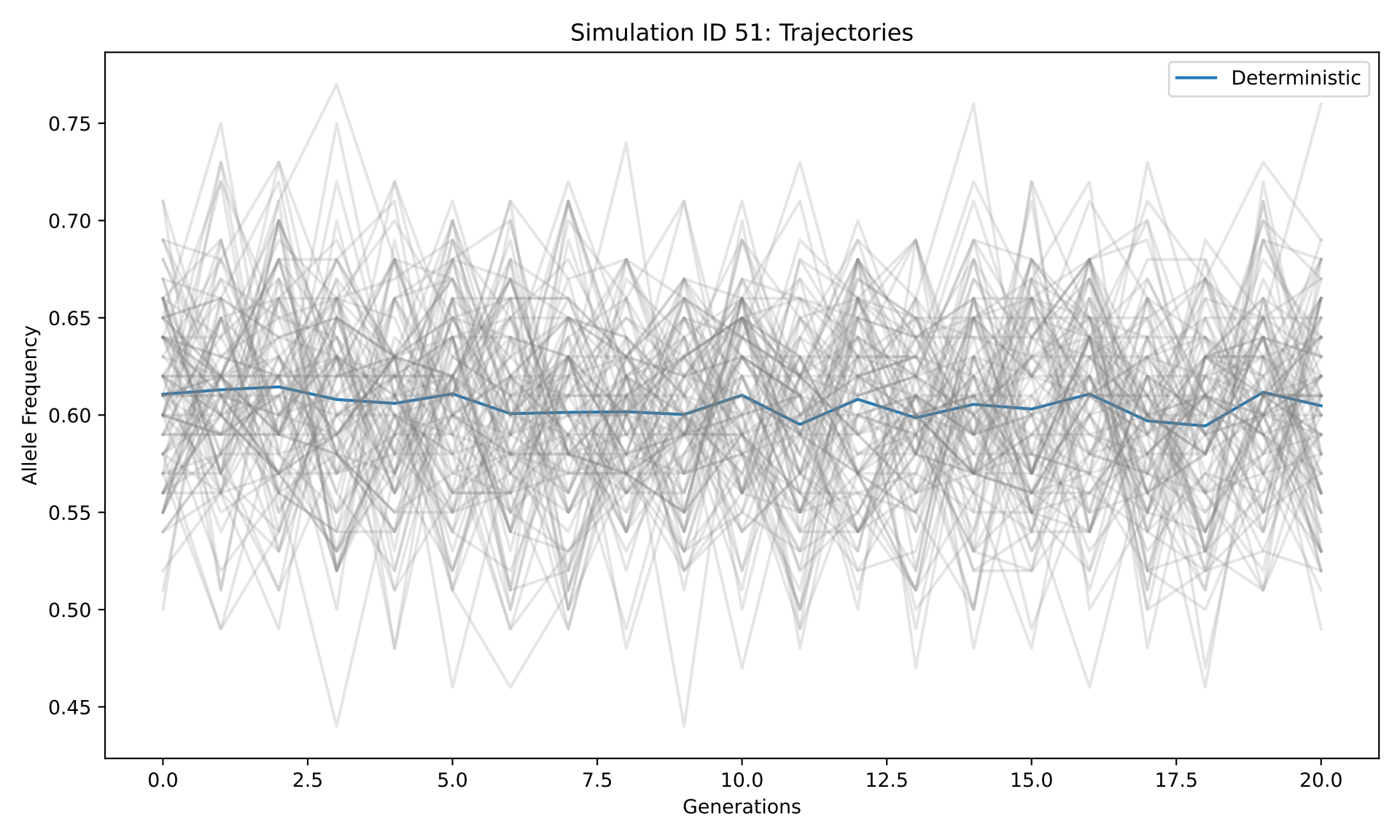

Simulation ID 46: Trajectories
Deterministic
Allele Frequency
0.58
0.56
0.54
0.52
0.50
0.48
0.46
0
10
20
30
40
50
Generations

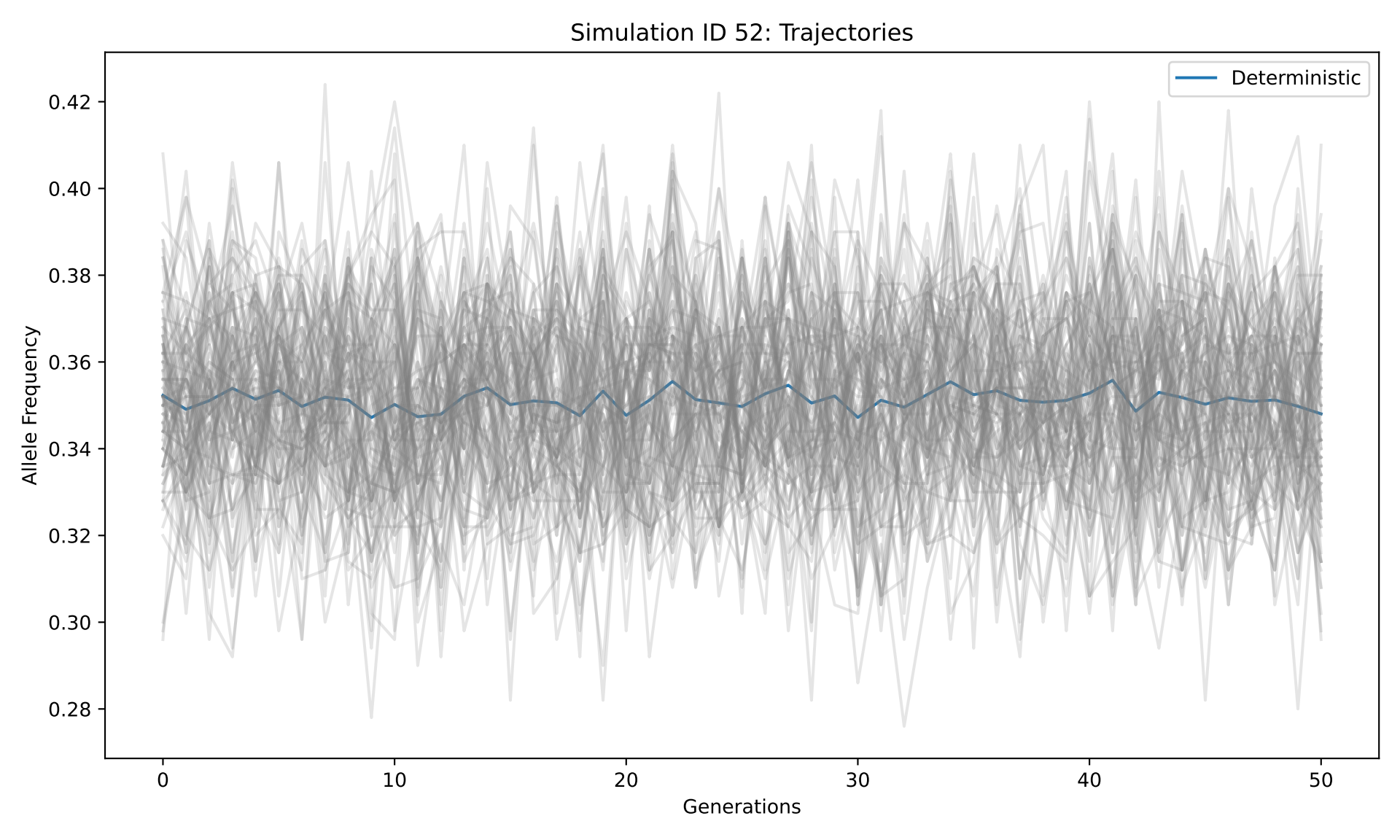

Simulation ID 47: Trajectories
Deterministic
Allele Frequency
0.525
0.500
0.475
0.450
0.425
0.400
0.375
0.350
0
20
40
60
80
100
Generations

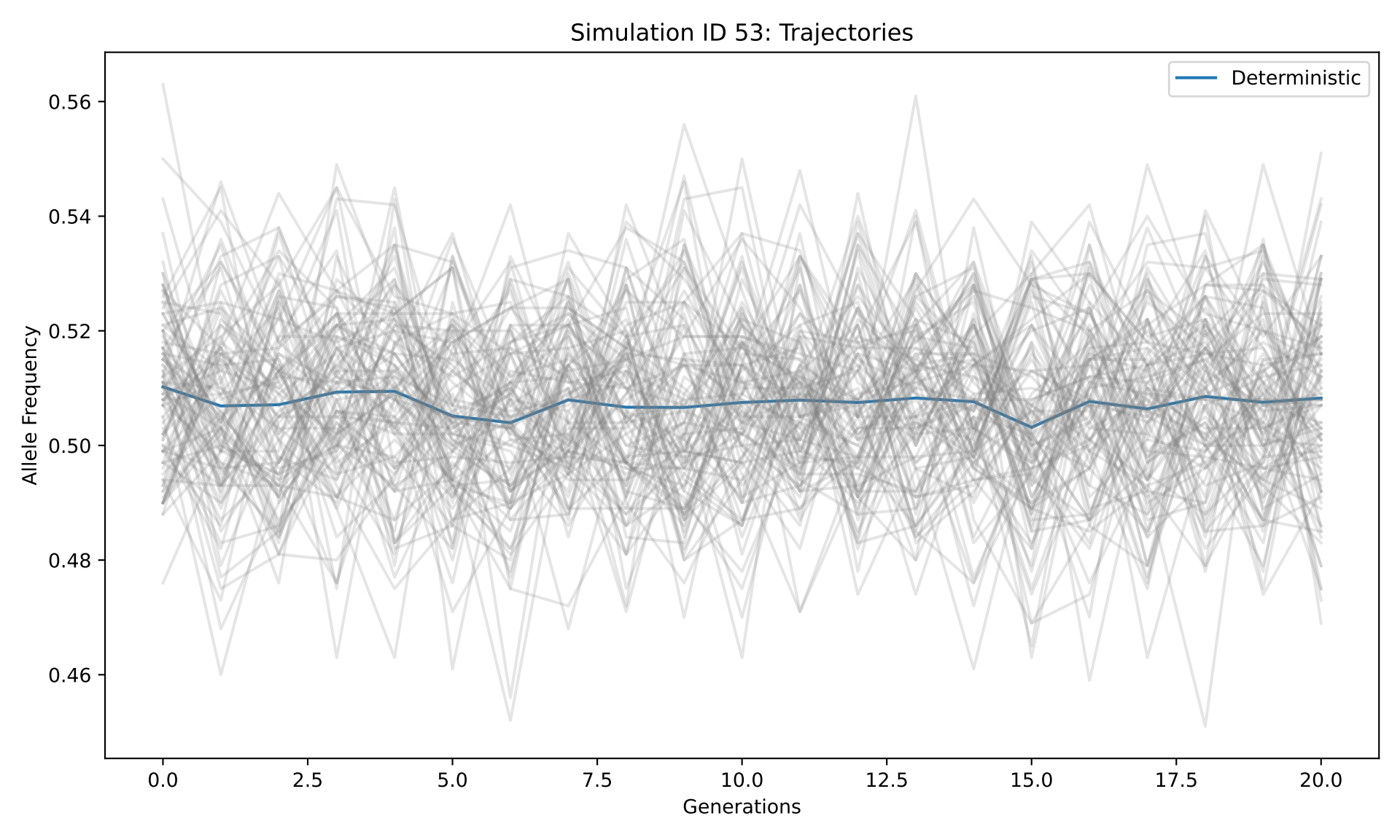

Simulation ID 48: Trajectories
Deterministic
0.25
0.20
0.15
0.10
0.05
Allele Frequency
0
20
40
60
80
100
Generations

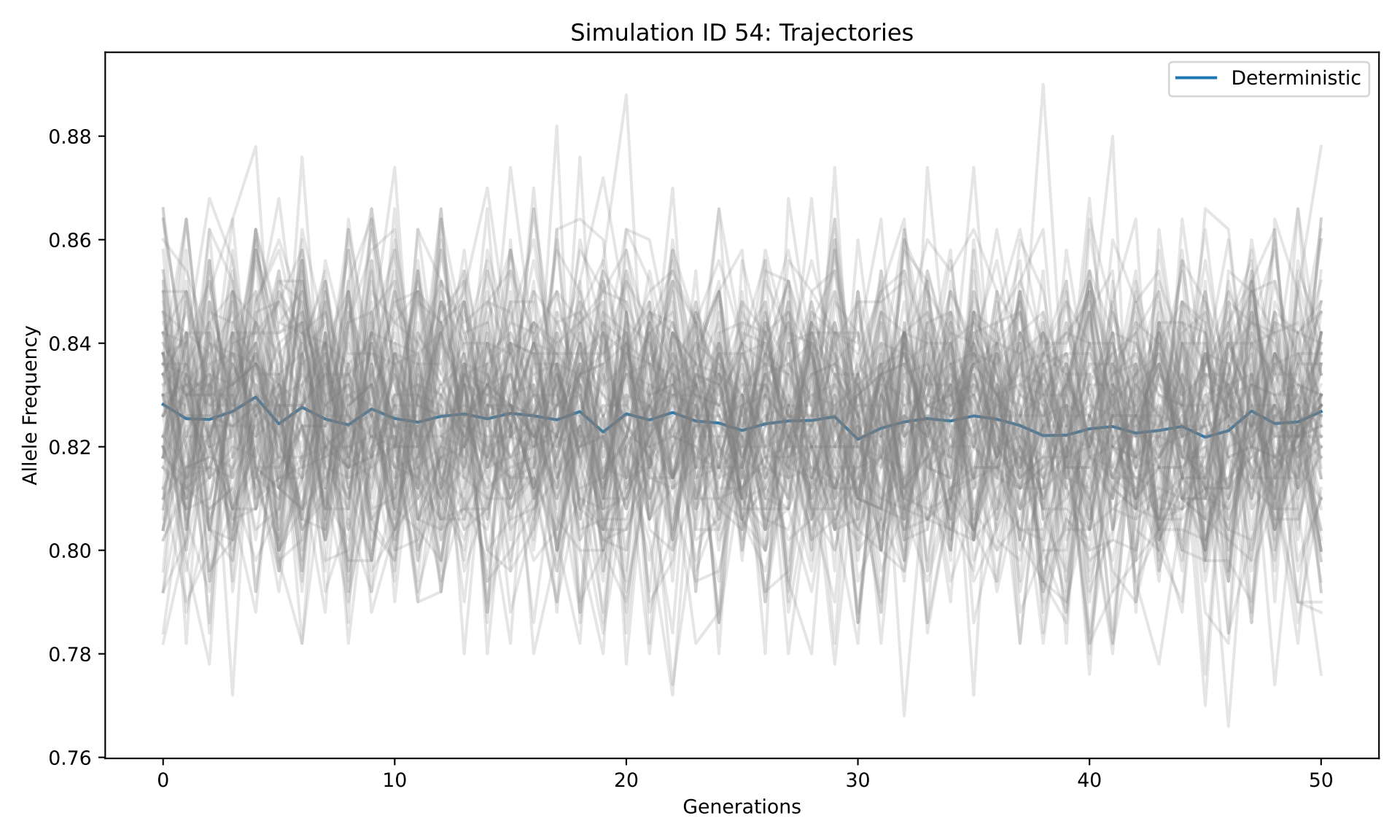

Simulation ID 49: Trajectories
Deterministic
Allele Frequency
0.30
0.25
0.20
0.15
0.10
0.05
0
10
20
30
40
50
Generations

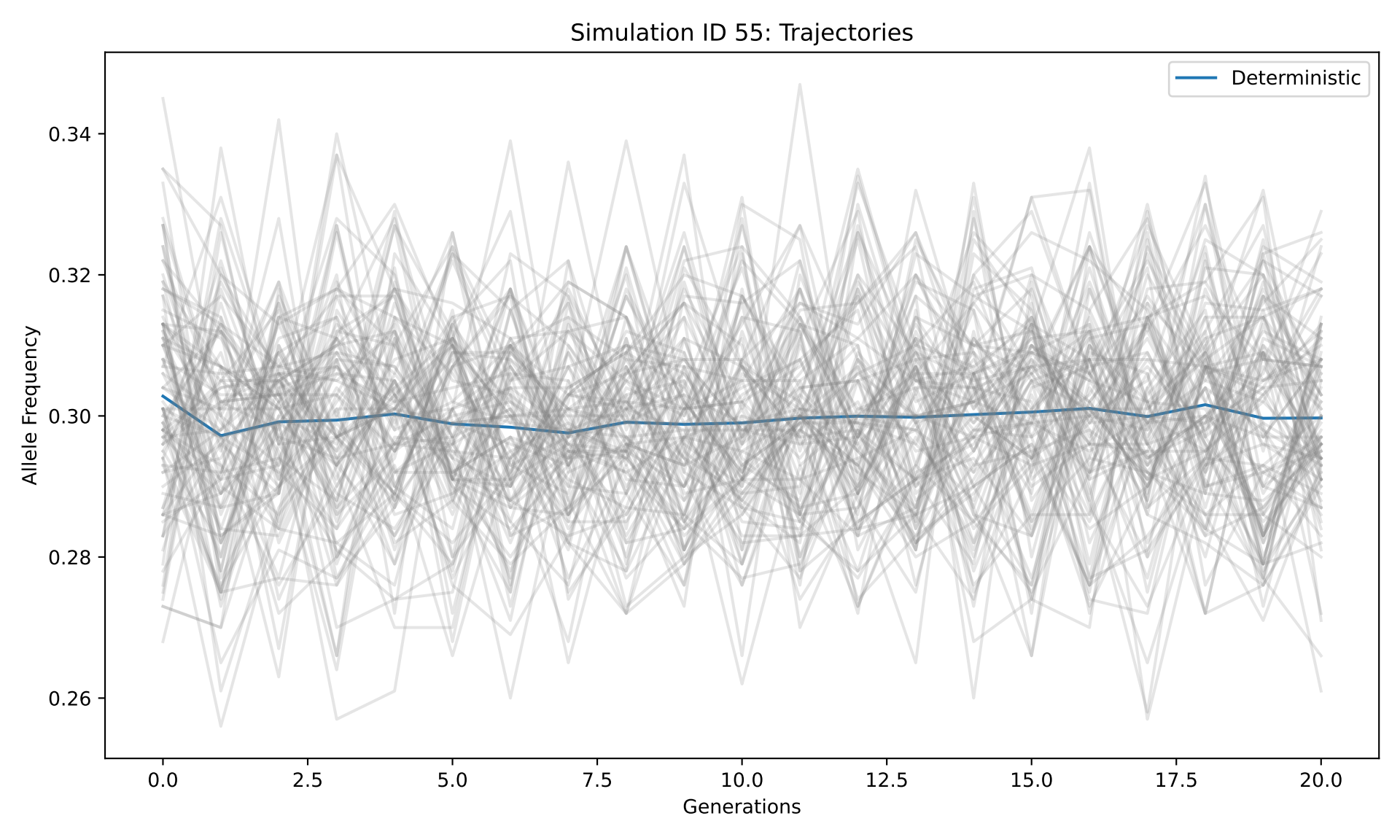

Simulation ID 50: Trajectories
Deterministic
Allele Frequency
0.18
0.16
0.14
0.12
0.10
0.08
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

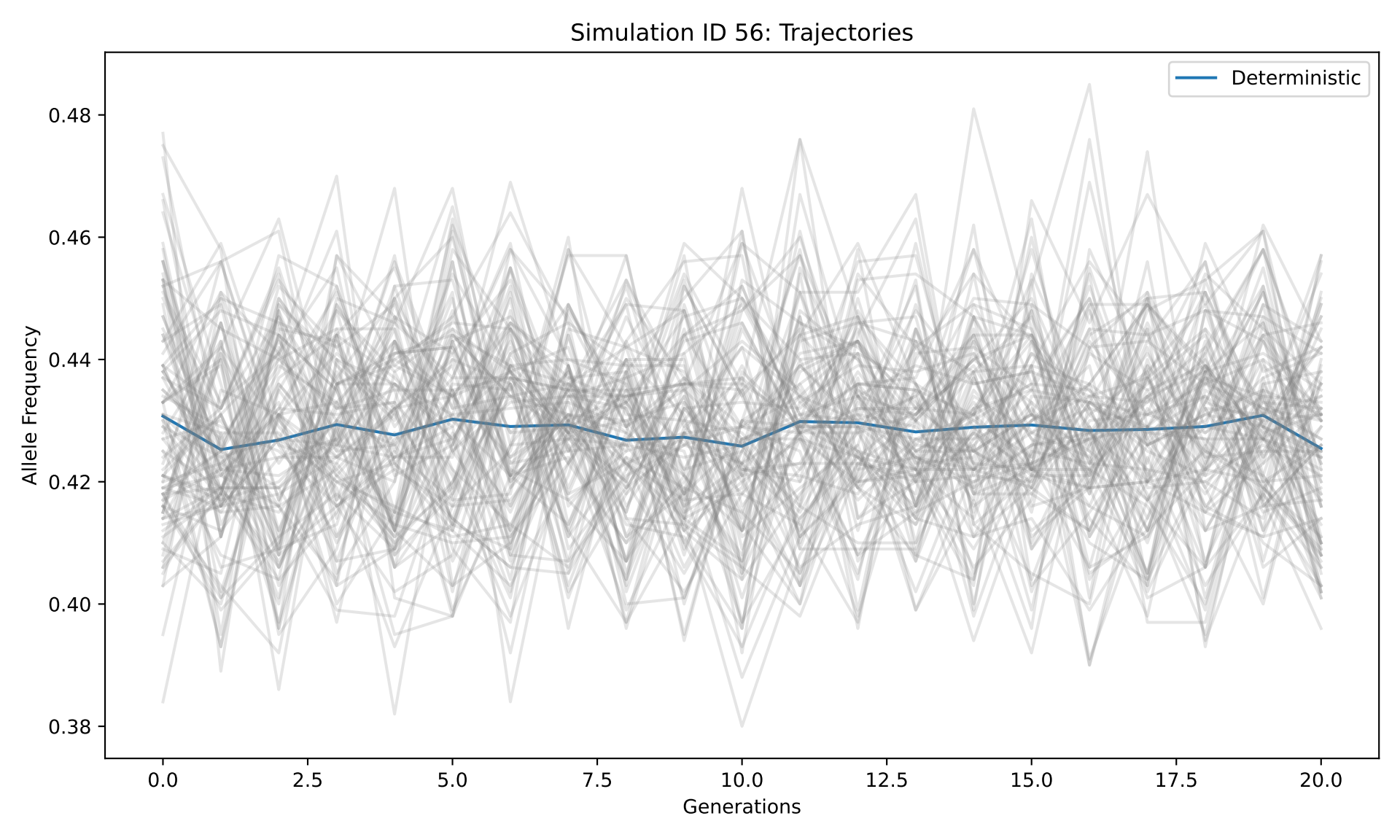

Simulation ID 51: Trajectories
Deterministic
0.75
0.70
0.65
0.60
0.55
0.50
0.45
Allele Frequency
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

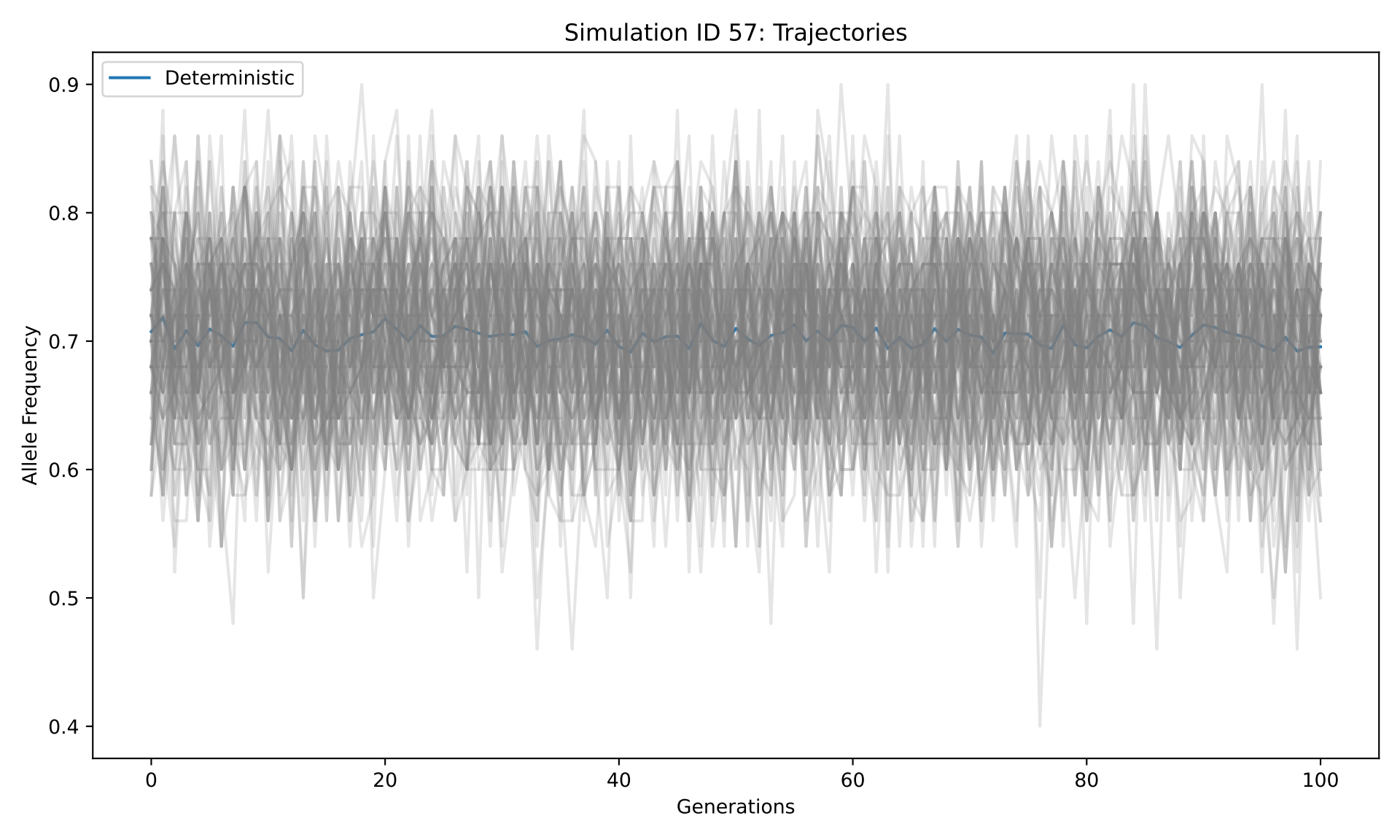

Simulation ID 52: Trajectories
Deterministic
Allele Frequency
0.42
0.40
0.38
0.36
0.34
0.32
0.30
0.28
0
10
20
30
40
50
Generations

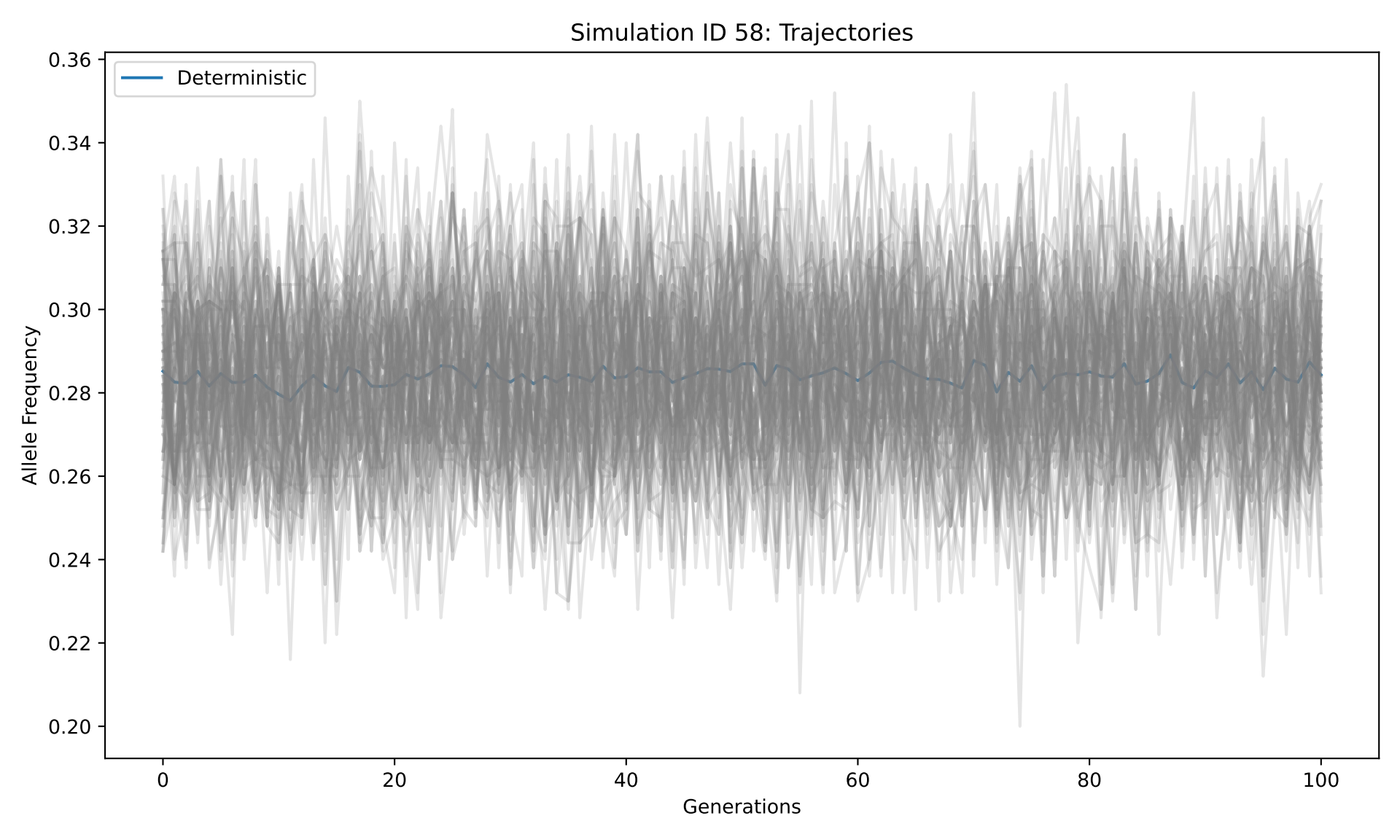

Simulation ID 53: Trajectories
Deterministic
Allele Frequency
0.56
0.54
0.52
0.50
0.48
0.46
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

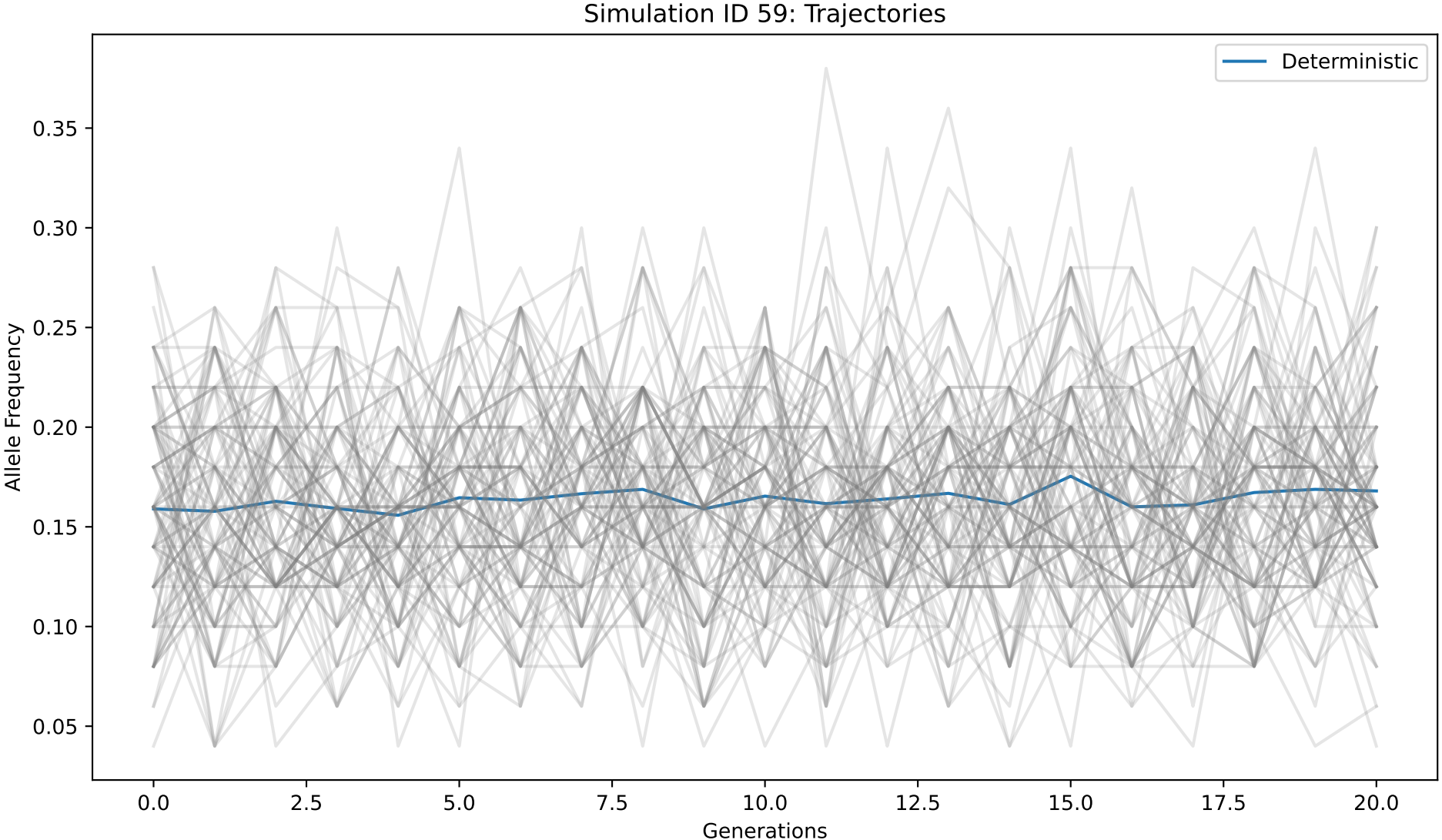

Simulation ID 54: Trajectories
Deterministic
Allele Frequency
0.88
0.86
0.84
0.82
0.80
0.78
0.76
0
10
20
30
40
50
Generations

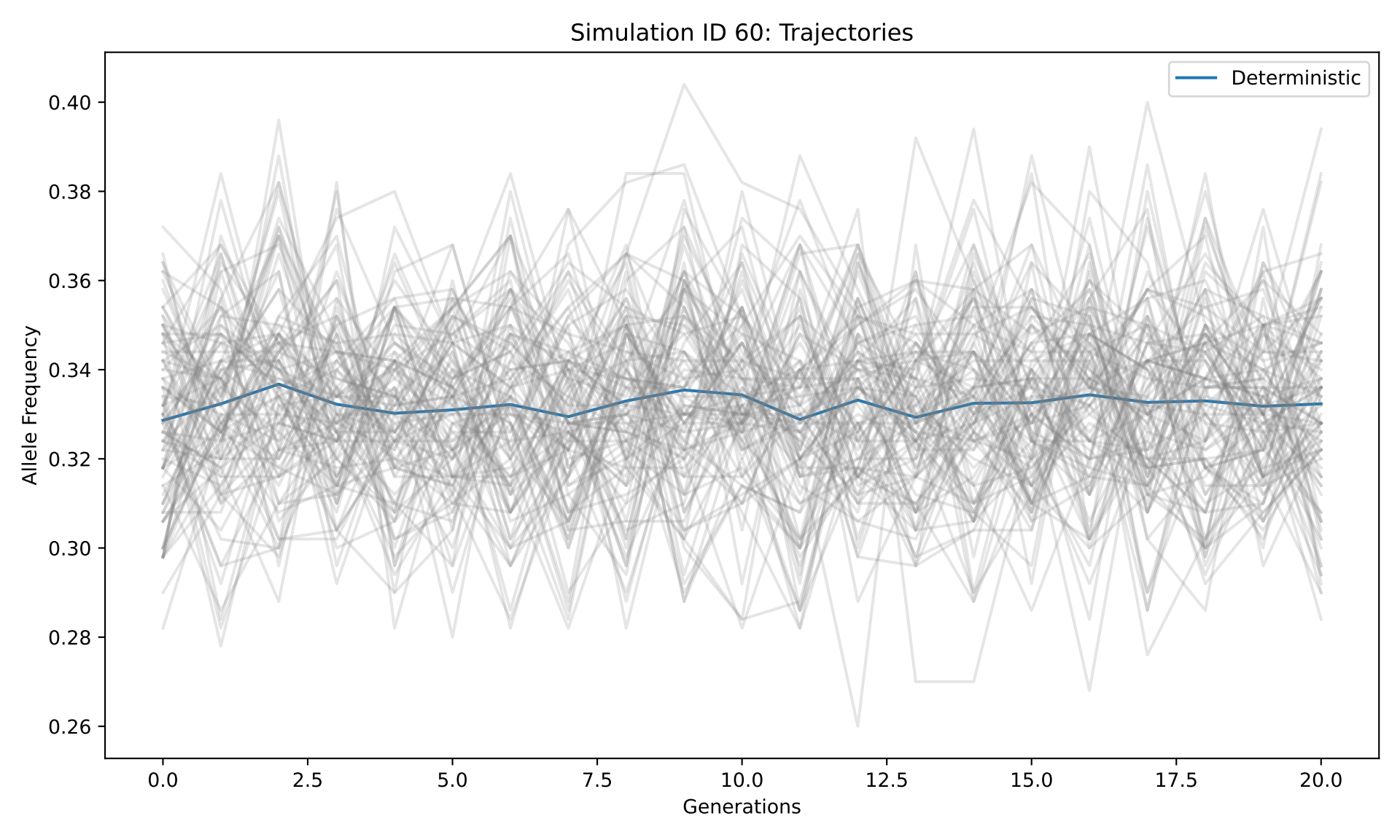

Simulation ID 55: Trajectories
Deterministic
Allele Frequency
0.34
0.32
0.30
0.28
0.26
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

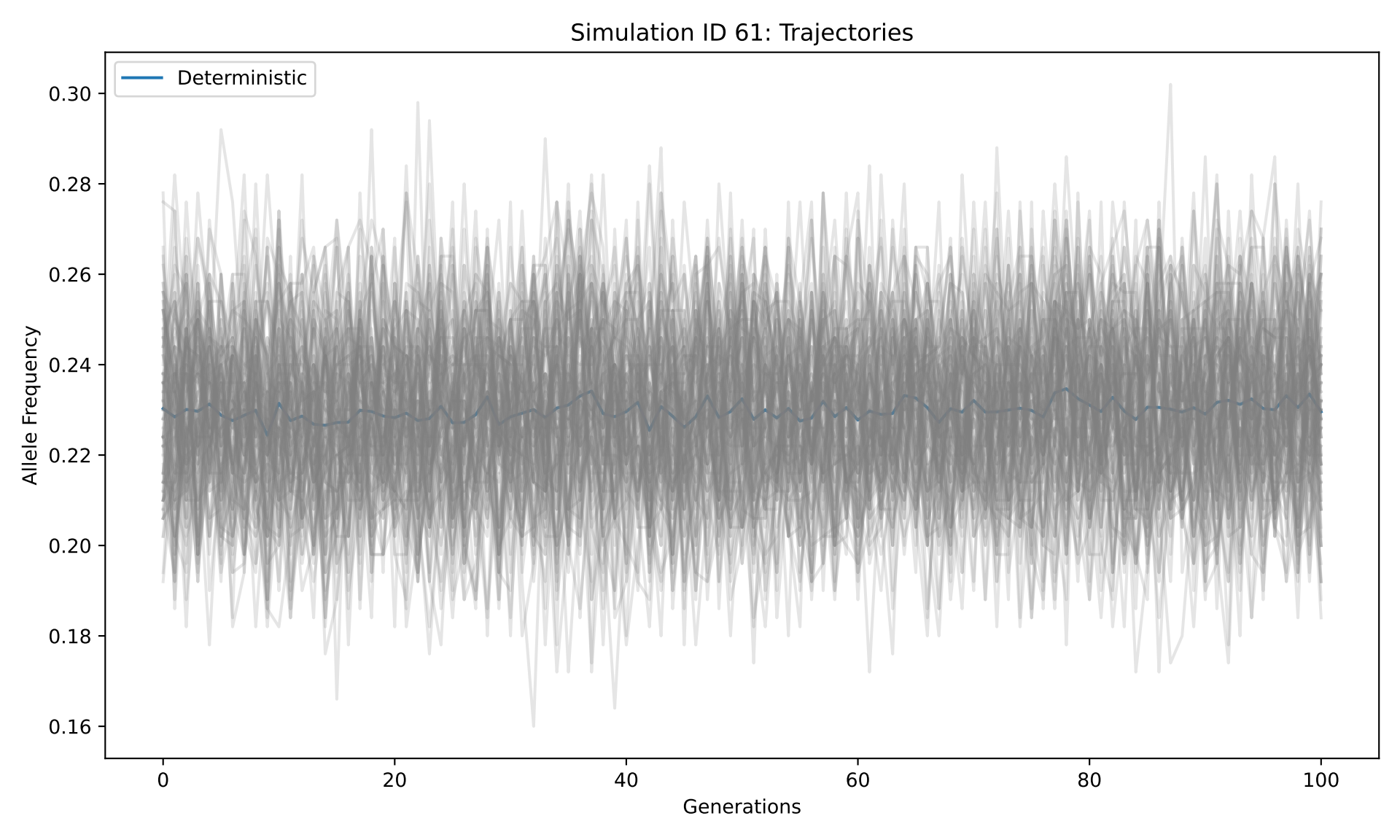

Simulation ID 56: Trajectories
Deterministic
Allele Frequency
0.48
0.46
0.44
0.42
0.40
0.38
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

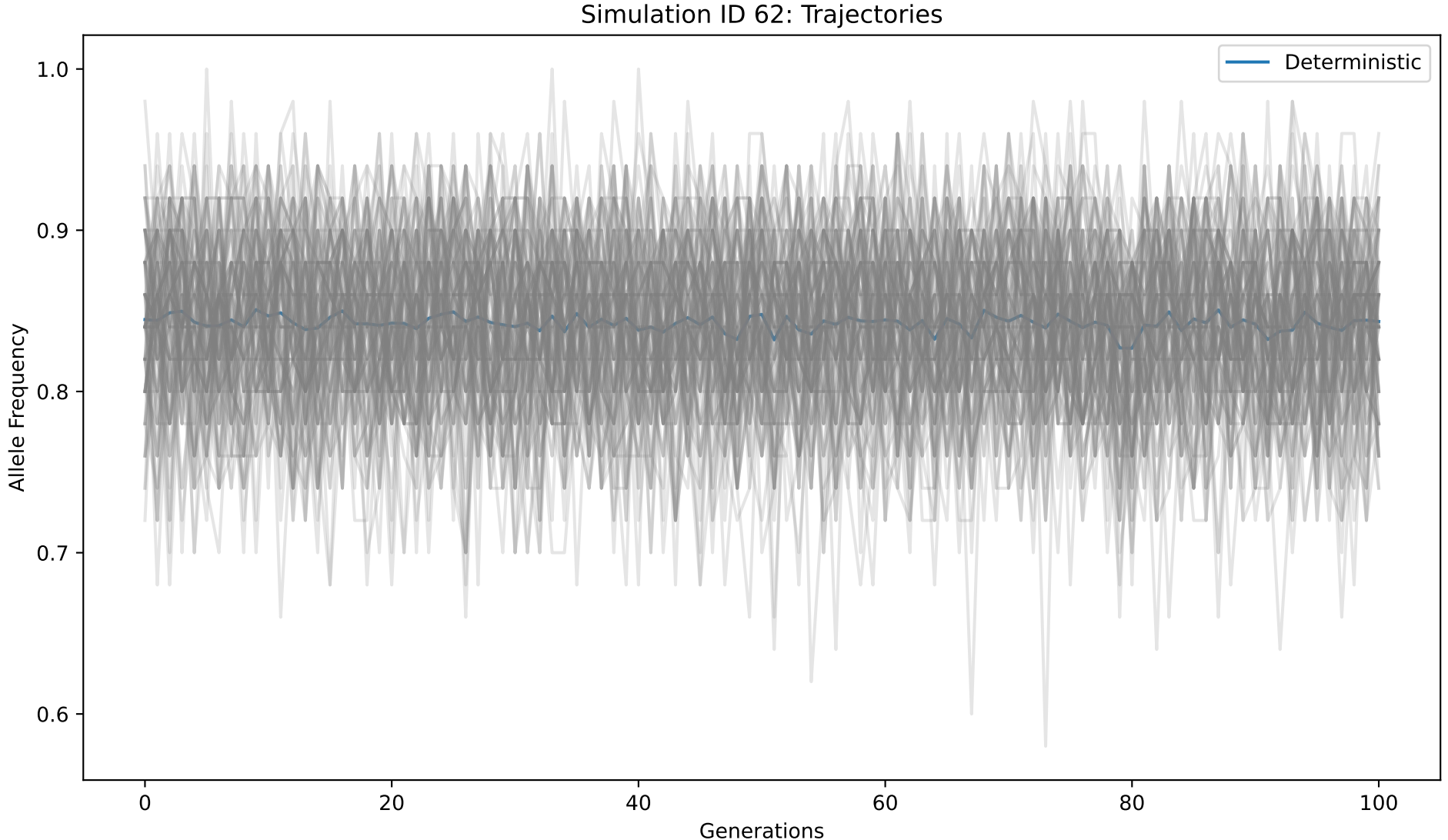

Simulation ID 57: Trajectories
Deterministic
0.9
0.8
0.7
0.6
0.5
0.4
Allele Frequency
0
20
40
60
80
100
Generations

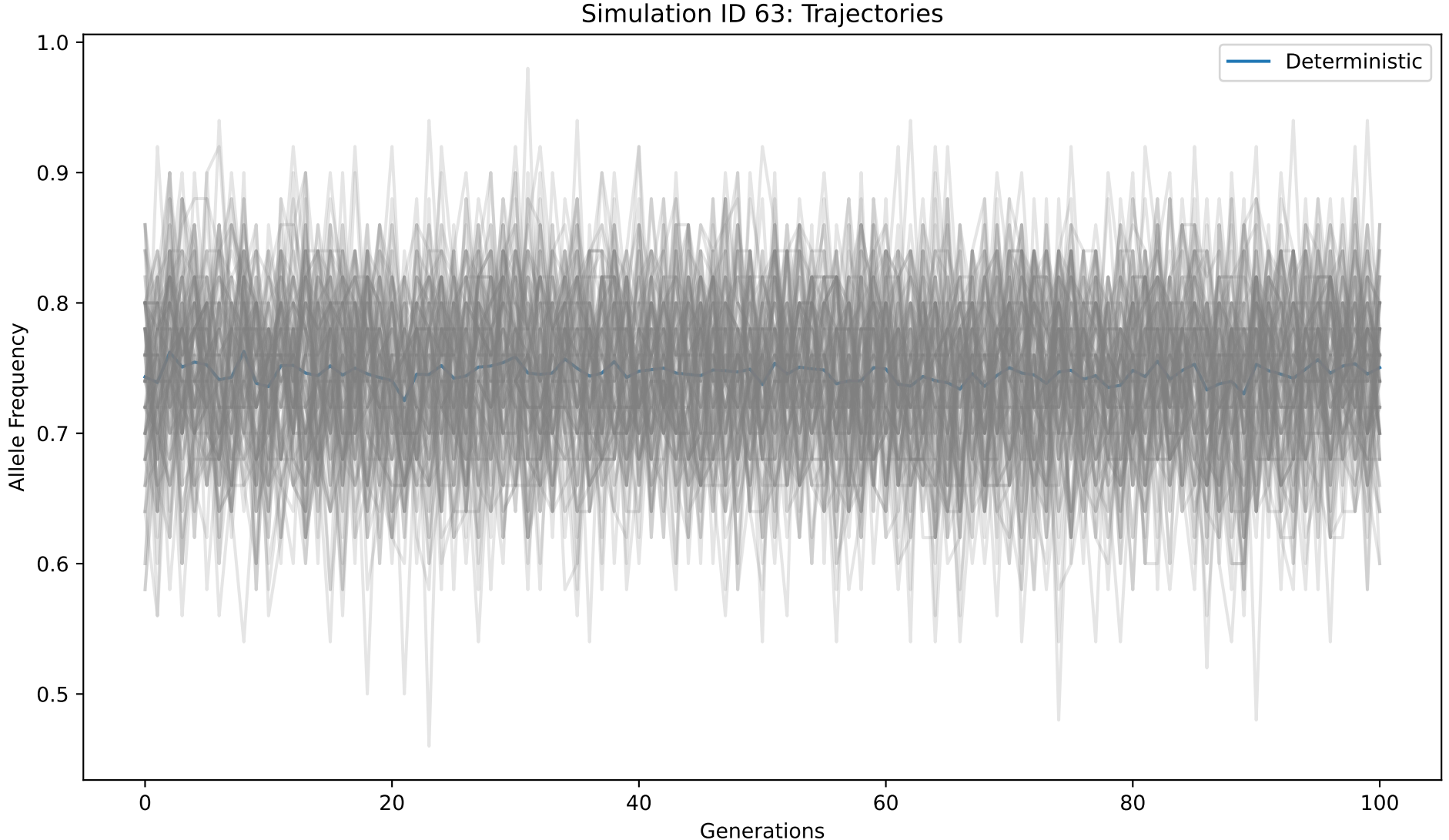

Simulation ID 58: Trajectories
Deterministic
Allele Frequency
0.36
0.34
0.32
0.30
0.28
0.26
0.24
0.22
0.20
0
20
40
60
80
100
Generations

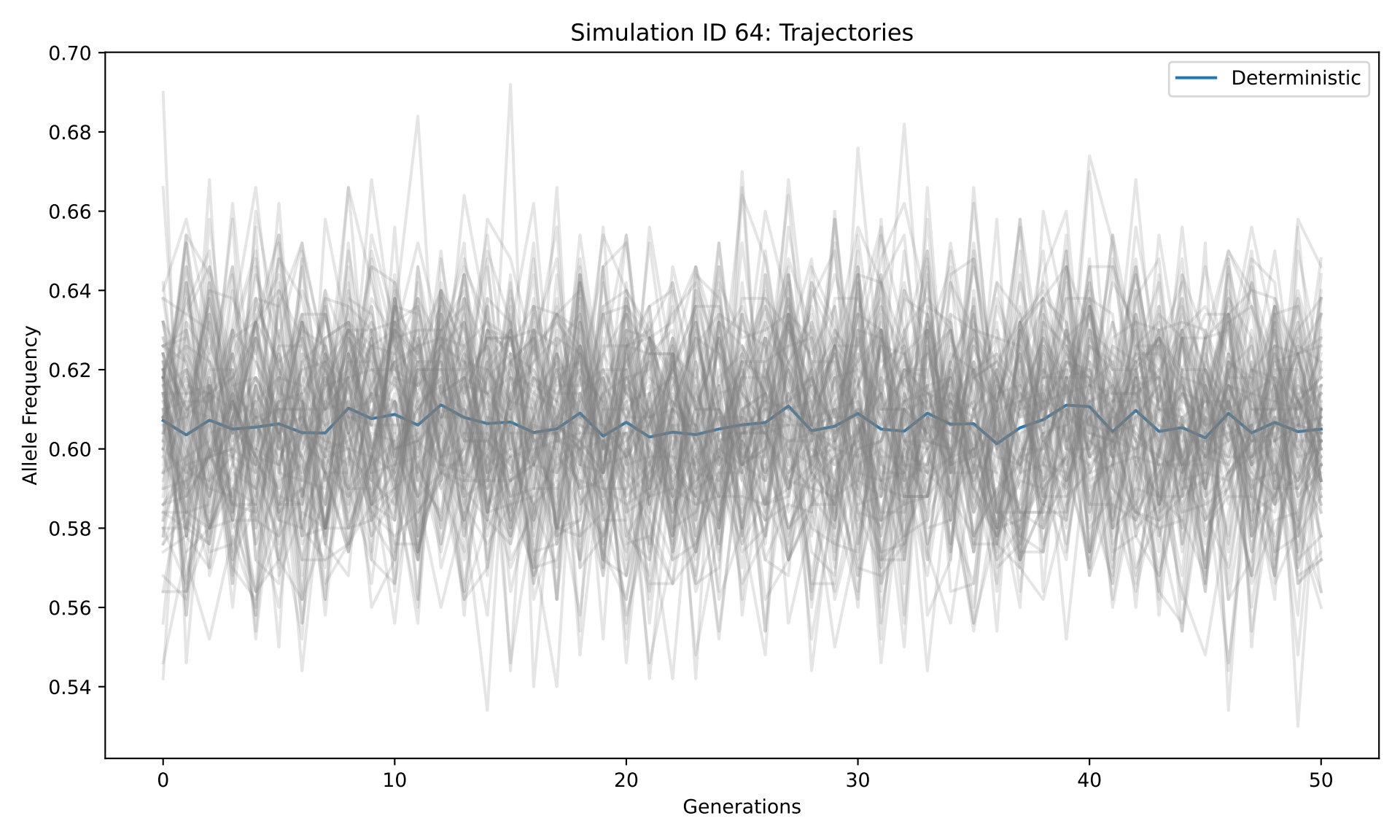

Simulation ID 59: Trajectories
Deterministic
Allele Frequency
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

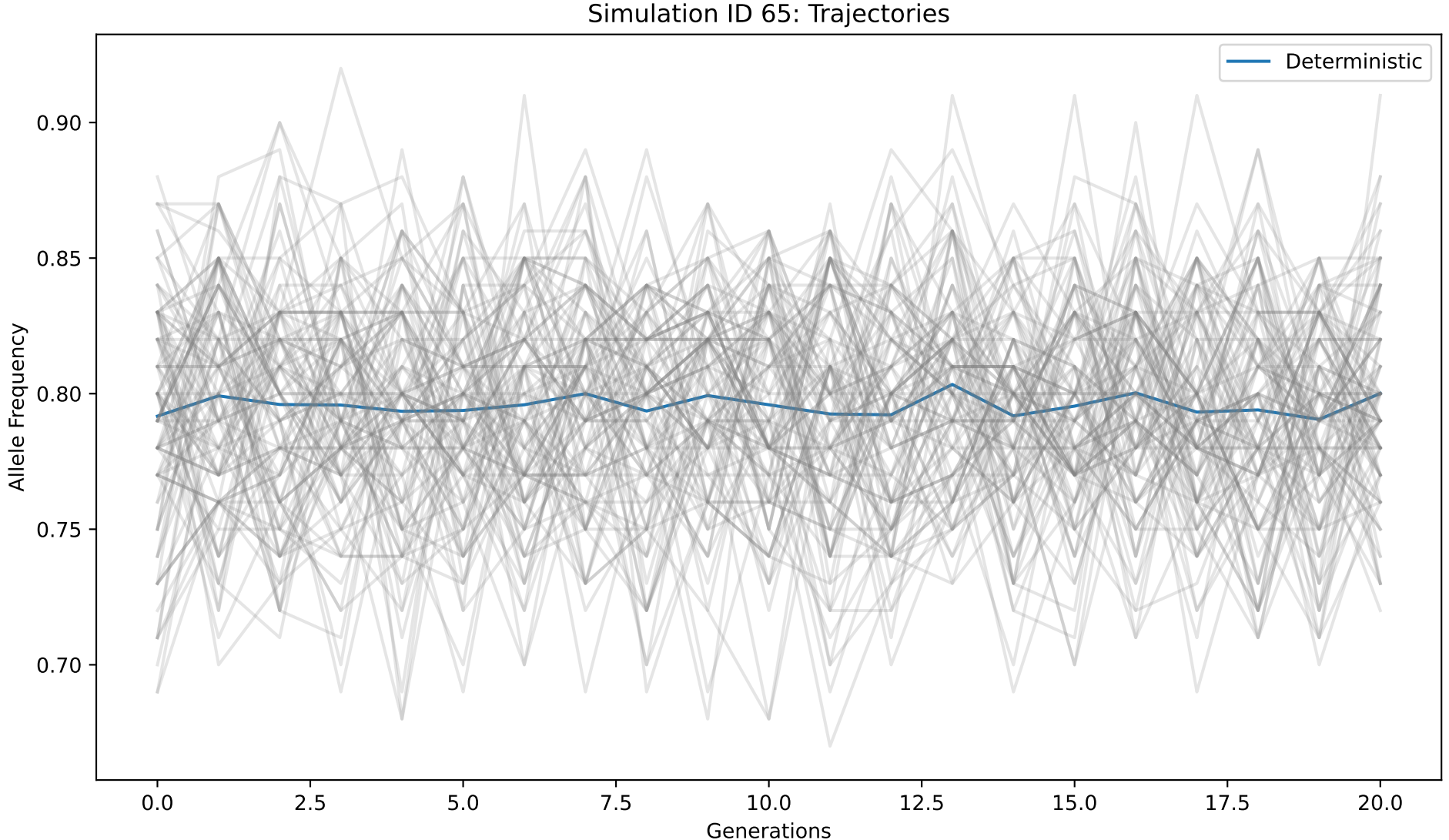

Simulation ID 60: Trajectories
Deterministic
Allele Frequency
0.40
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

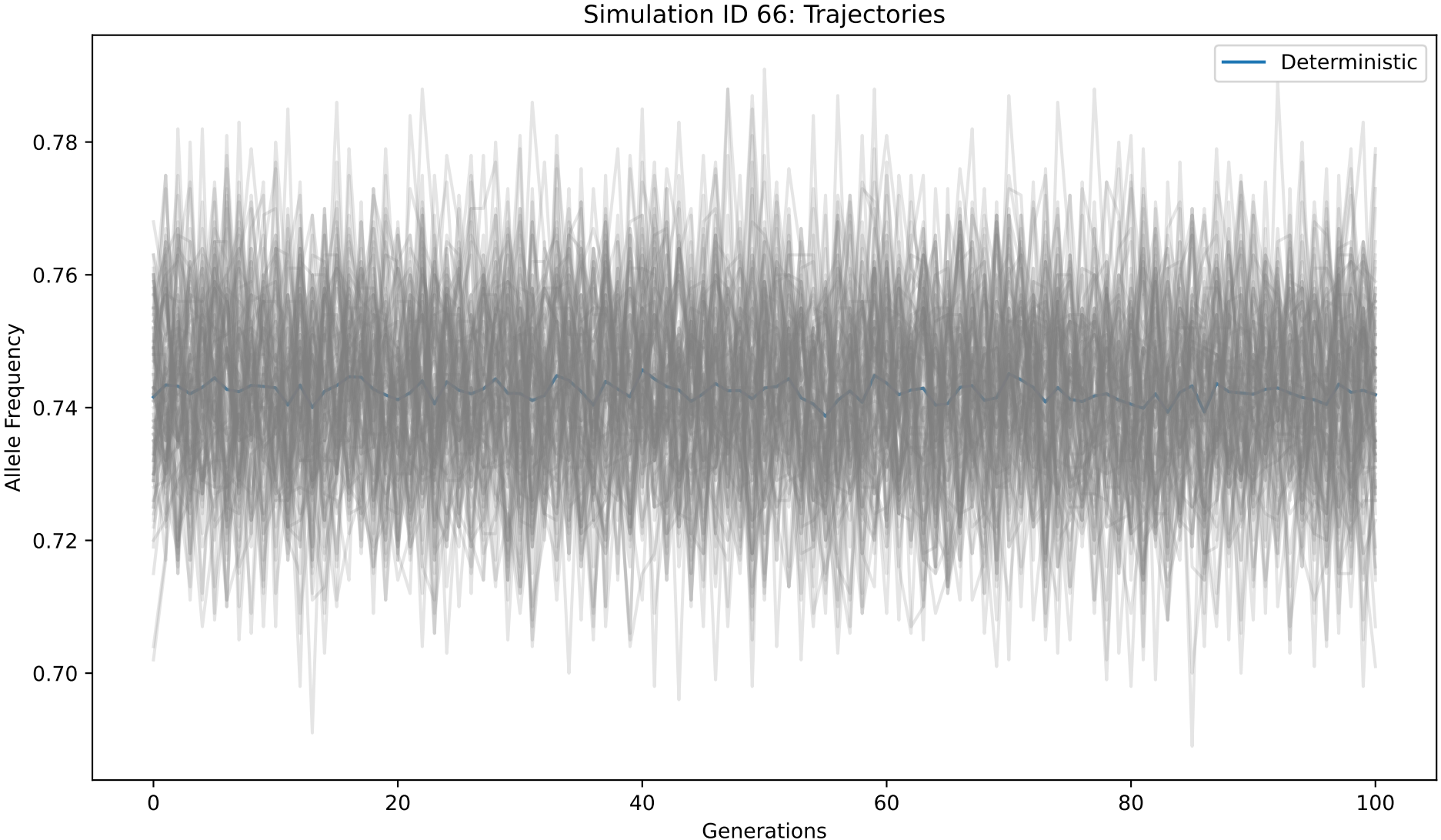

Simulation ID 61: Trajectories
Deterministic
0.30
0.28
0.26
0.24
0.22
0.20
0.18
0.16
Allele Frequency
0
20
40
60
80
100
Generations

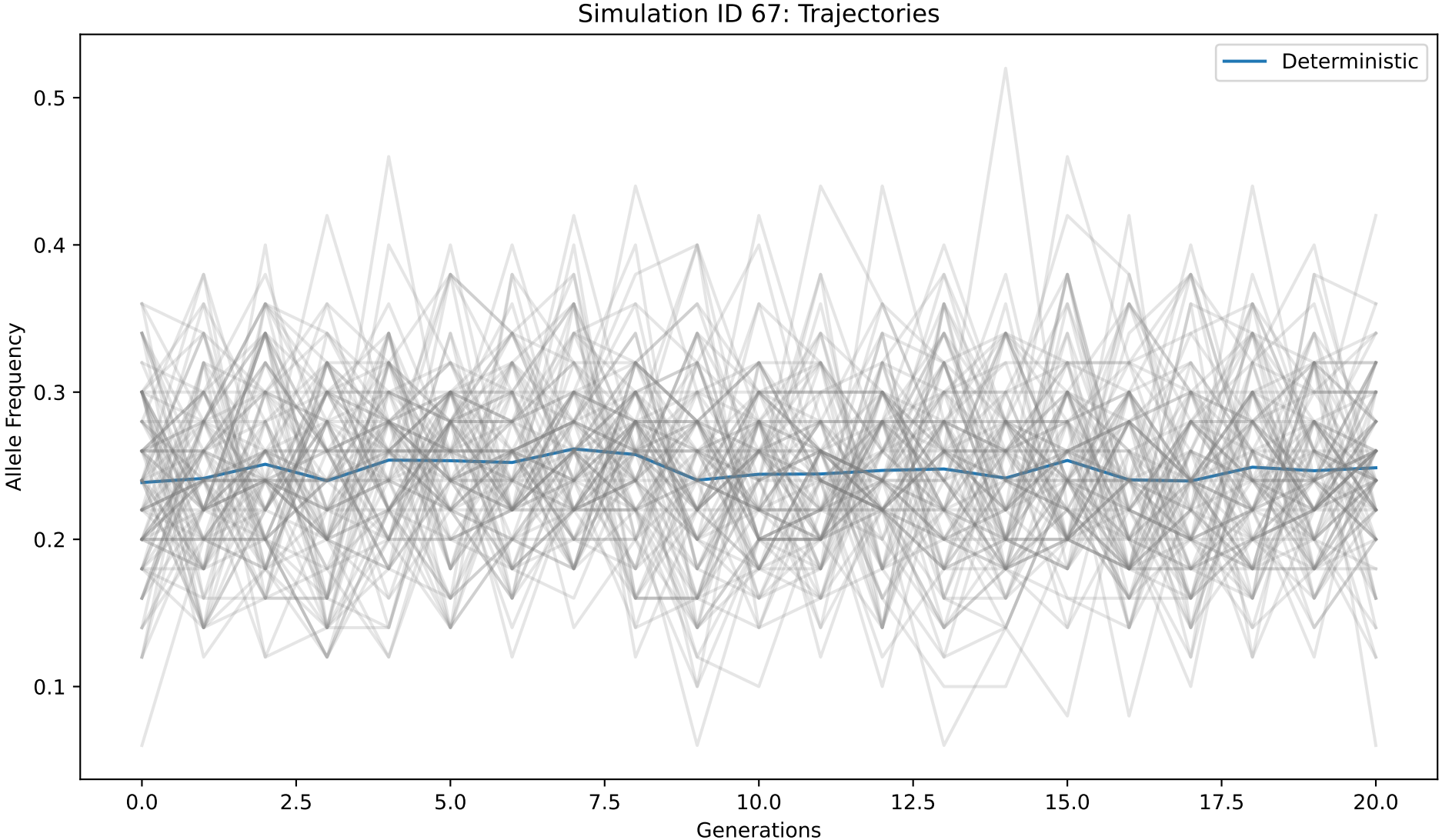

Simulation ID 62: Trajectories
Deterministic
1.0
0.9
0.8
0.7
0.6
Allele Frequency
0
20
40
60
80
100
Generations

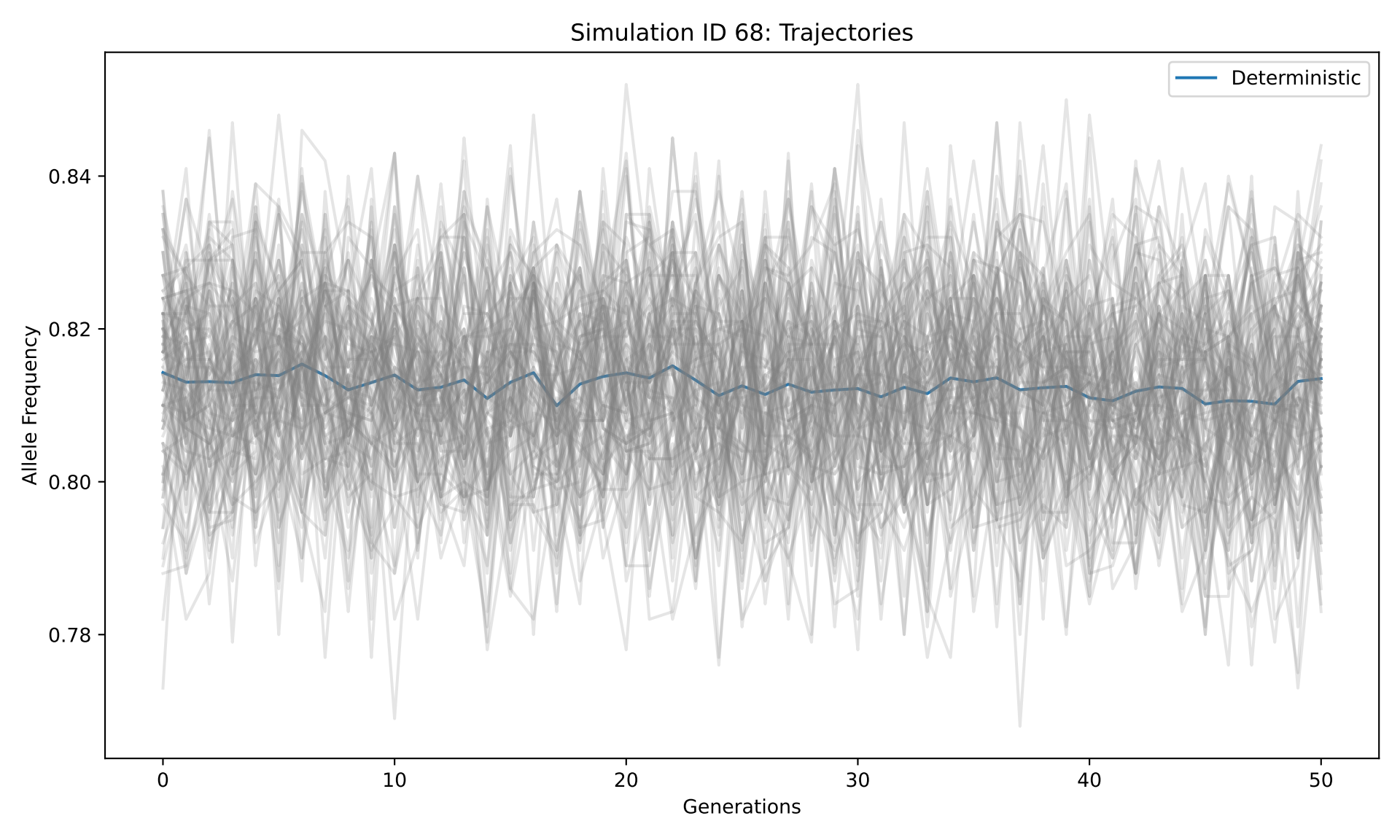

Simulation ID 63: Trajectories
Deterministic
Allele Frequency
1.0
0.9
0.8
0.7
0.6
0.5
0
20
40
60
80
100
Generations

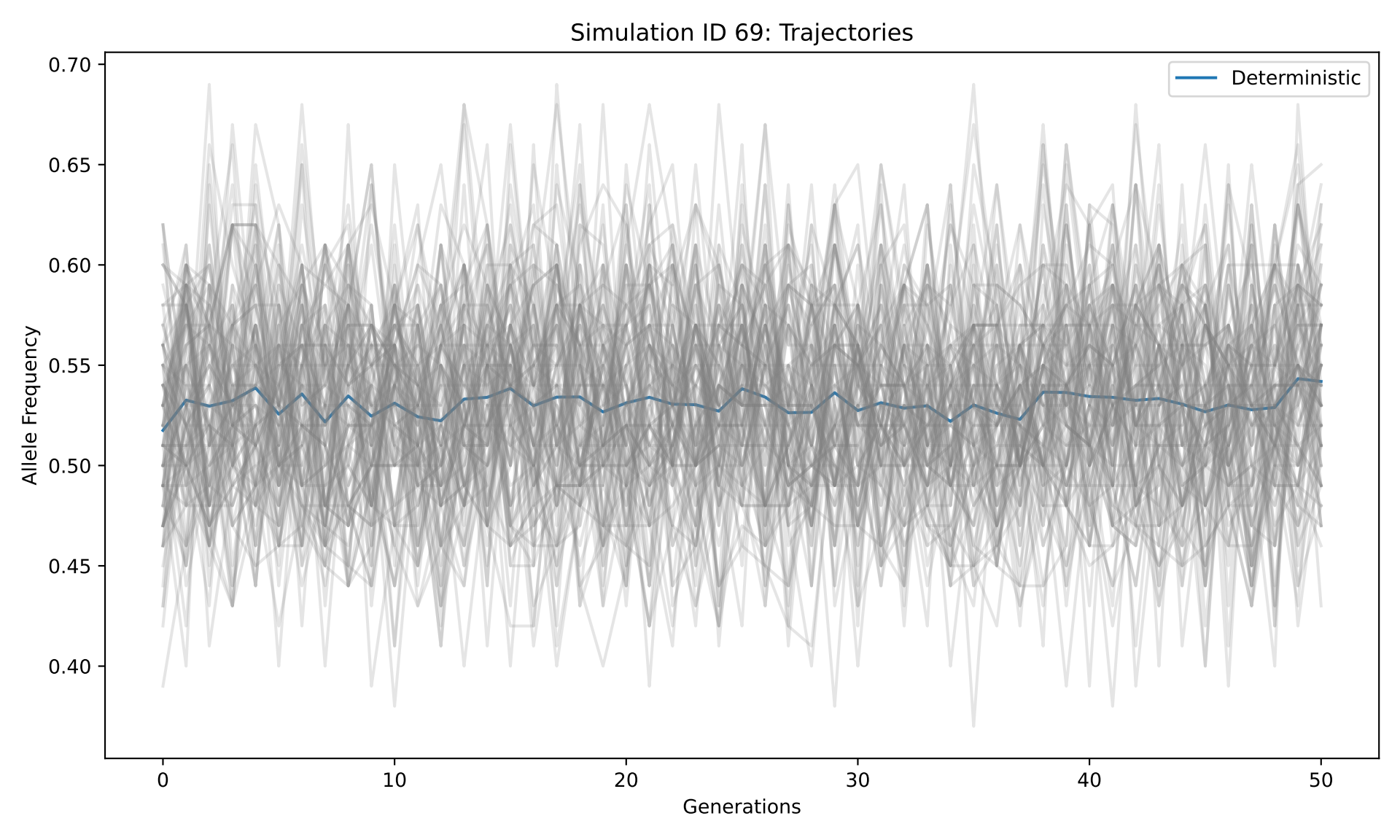

Simulation ID 64: Trajectories
Deterministic
Allele Frequency
0.70
0.68
0.66
0.64
0.62
0.60
0.58
0.56
0.54
0
10
20
30
40
50
Generations

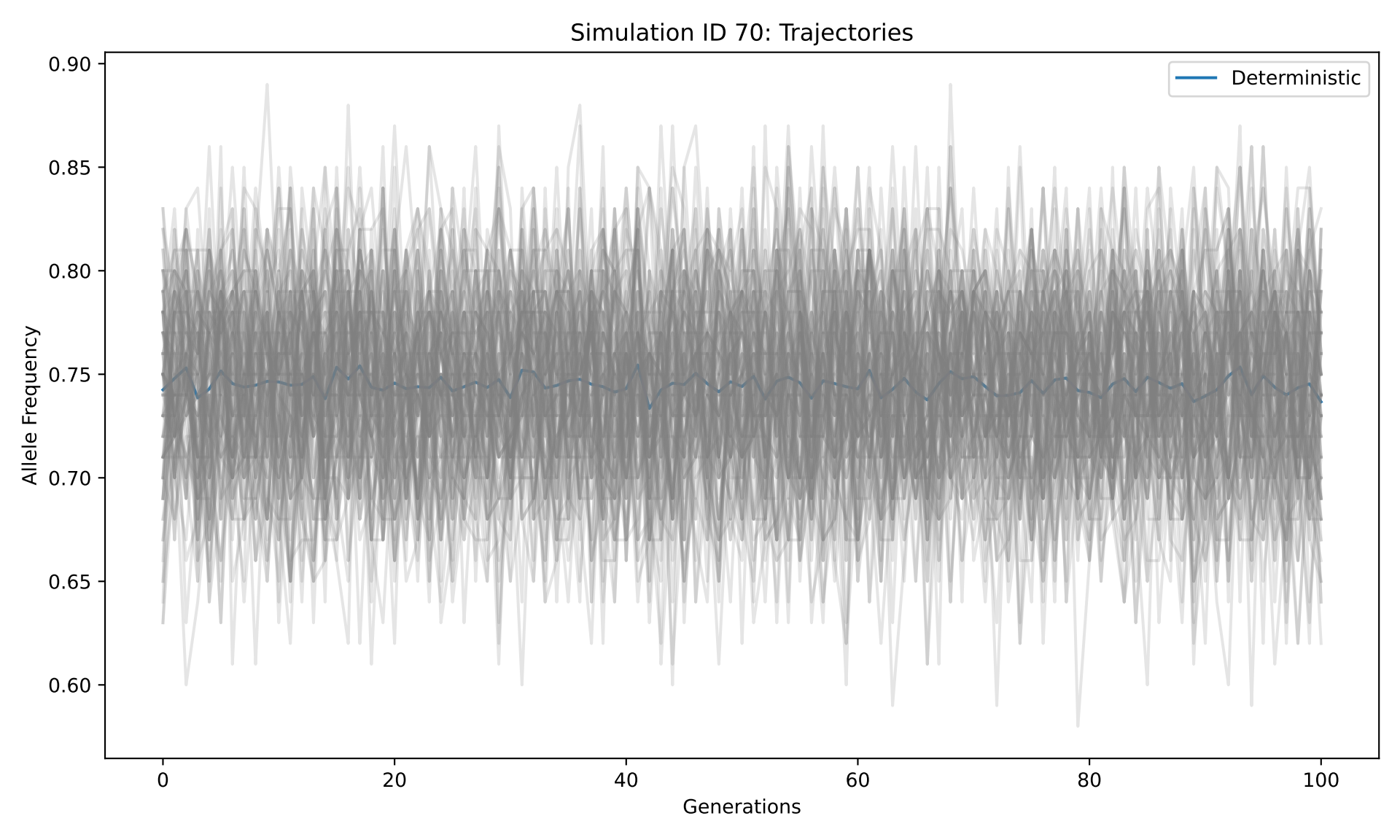

Simulation ID 65: Trajectories
Deterministic
Allele Frequency
0.90
0.85
0.80
0.75
0.70
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

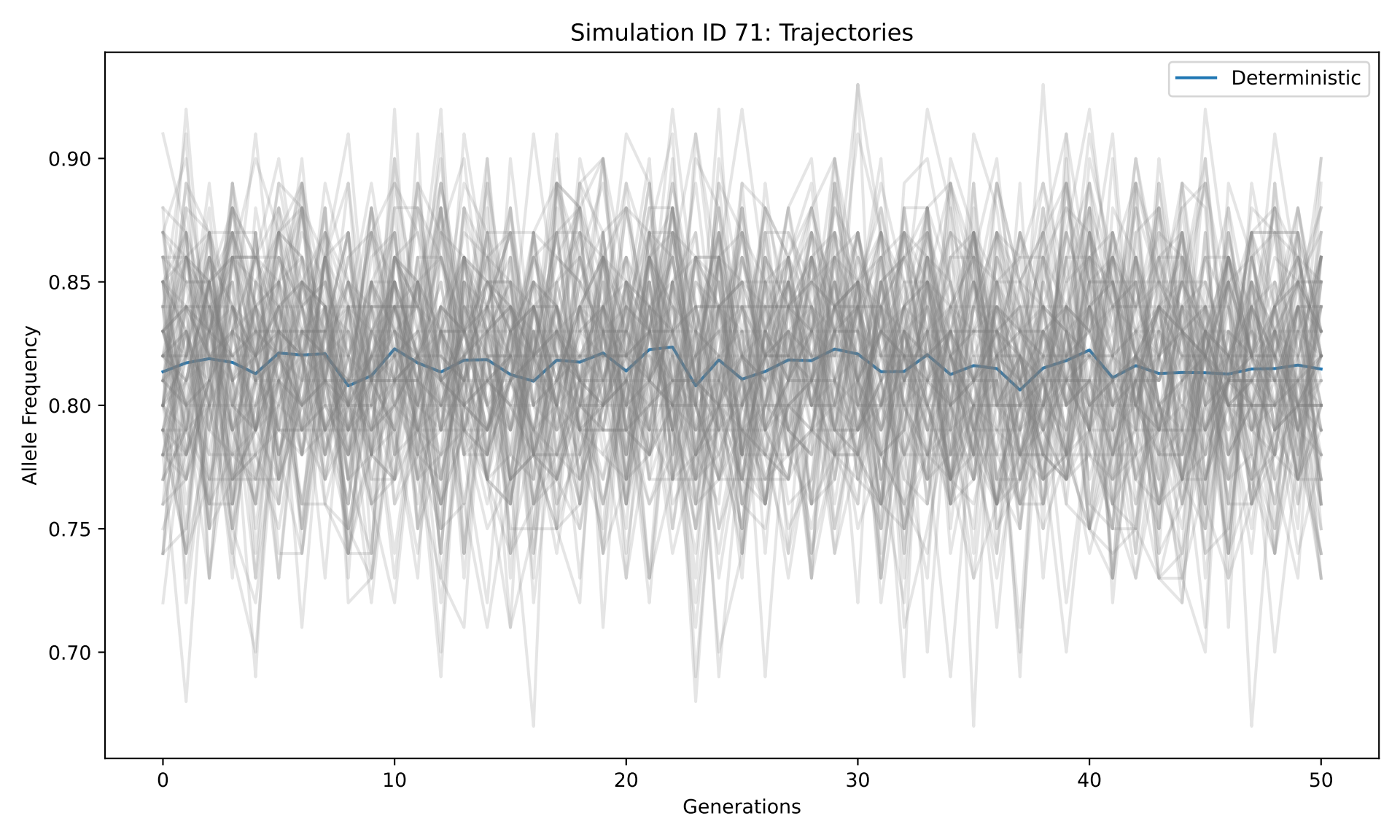

Simulation ID 66: Trajectories
Deterministic
0.78
0.76
0.74
0.72
0.70
Allele Frequency
0
20
40
60
80
100
Generations

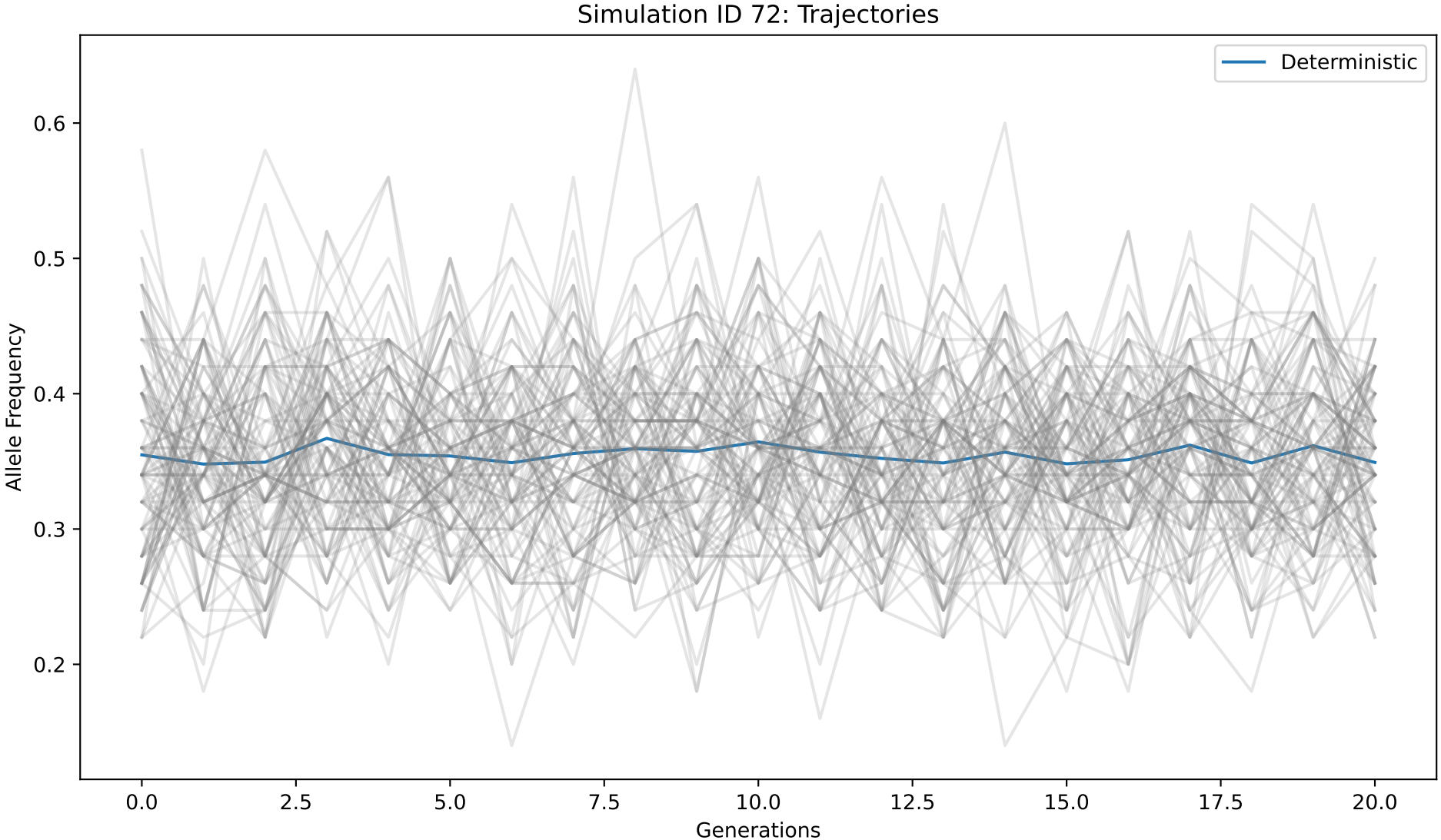

Simulation ID 67: Trajectories
Deterministic
Allele Frequency
0.5
0.4
0.3
0.2
0.1
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

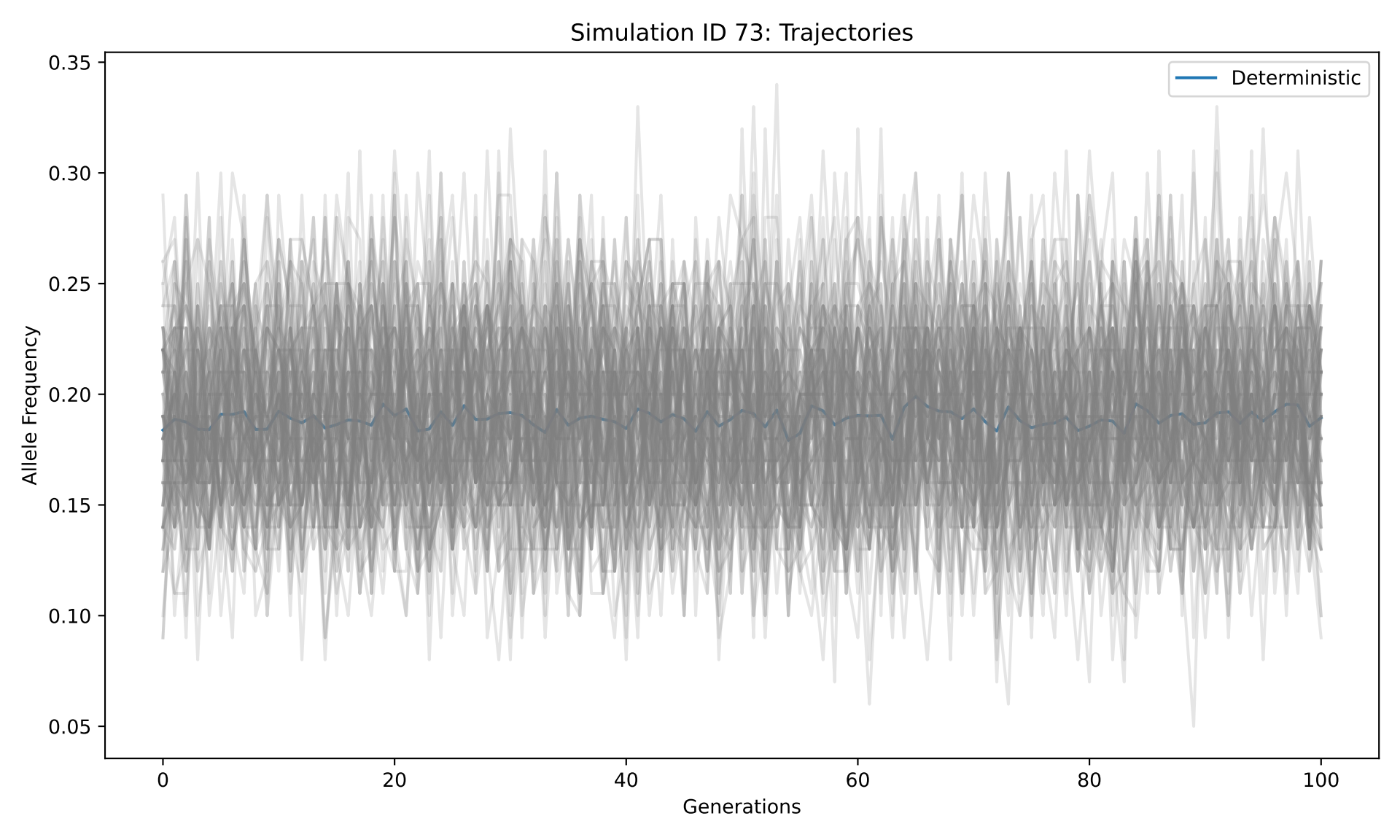

Simulation ID 68: Trajectories
Deterministic
Allele Frequency
0.84
0.82
0.80
0.78
0
10
20
30
40
50
Generations

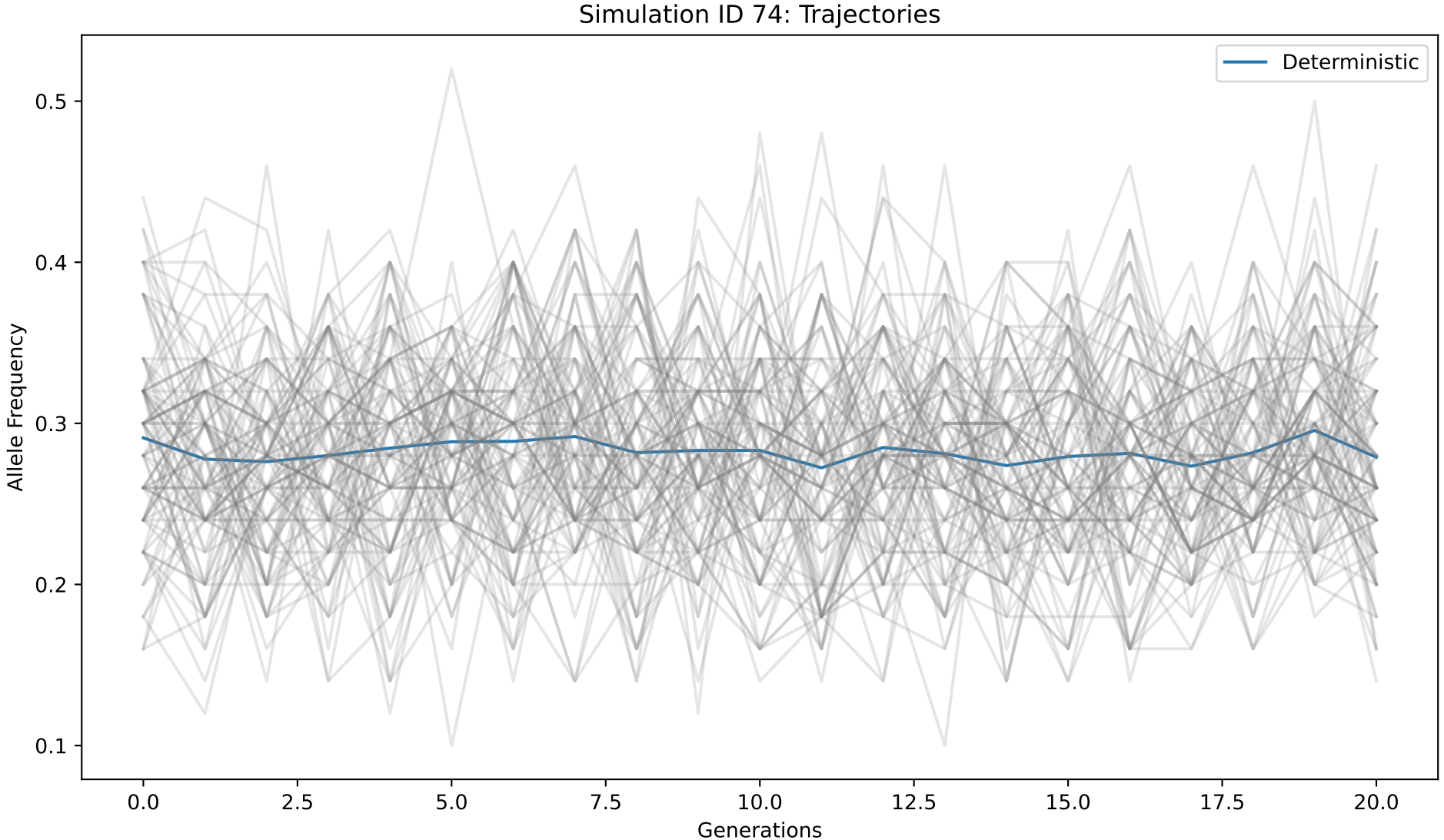

Simulation ID 69: Trajectories
Deterministic
Allele Frequency
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0
10
20
30
40
50
Generations

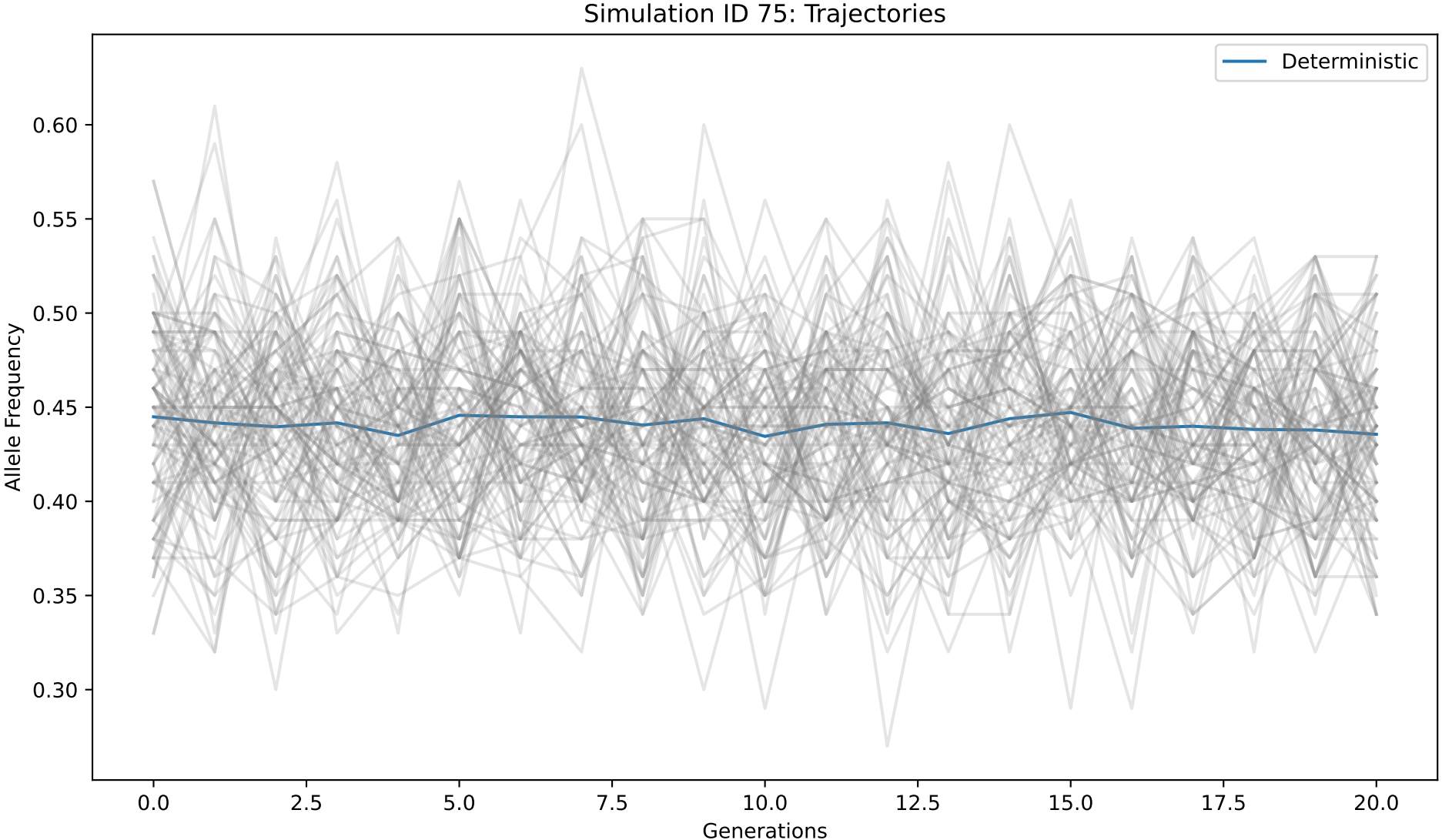

Simulation ID 70: Trajectories
Deterministic
Allele Frequency
0.90
0.85
0.80
0.75
0.70
0.65
0.60
0
20
40
60
80
100
Generations

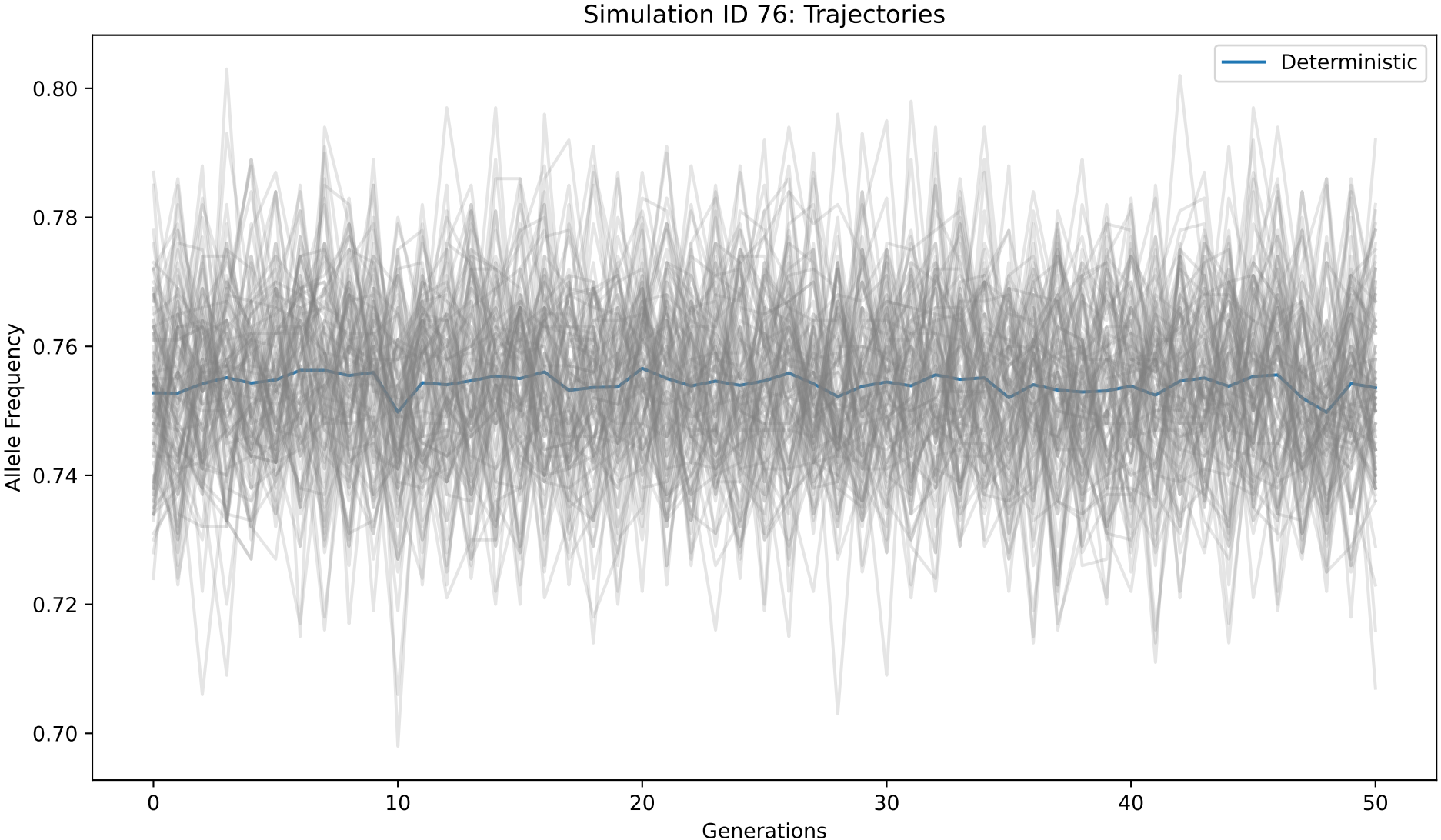

Simulation ID 71: Trajectories
Deterministic
Allele Frequency
0.90
0.85
0.80
0.75
0.70
0
10
20
30
40
50
Generations

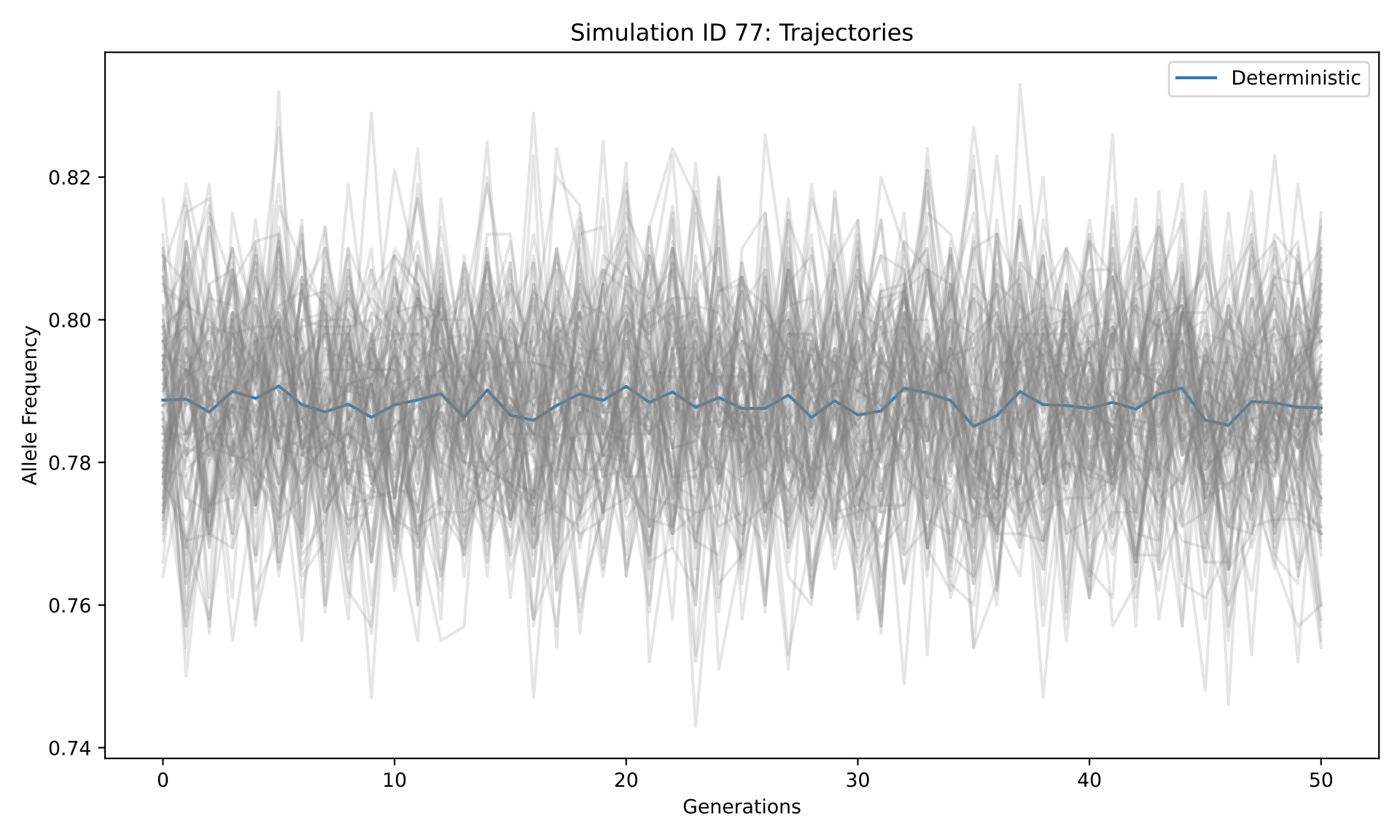

Simulation ID 72: Trajectories
Deterministic
Allele Frequency
0.6
0.5
0.4
0.3
0.2
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

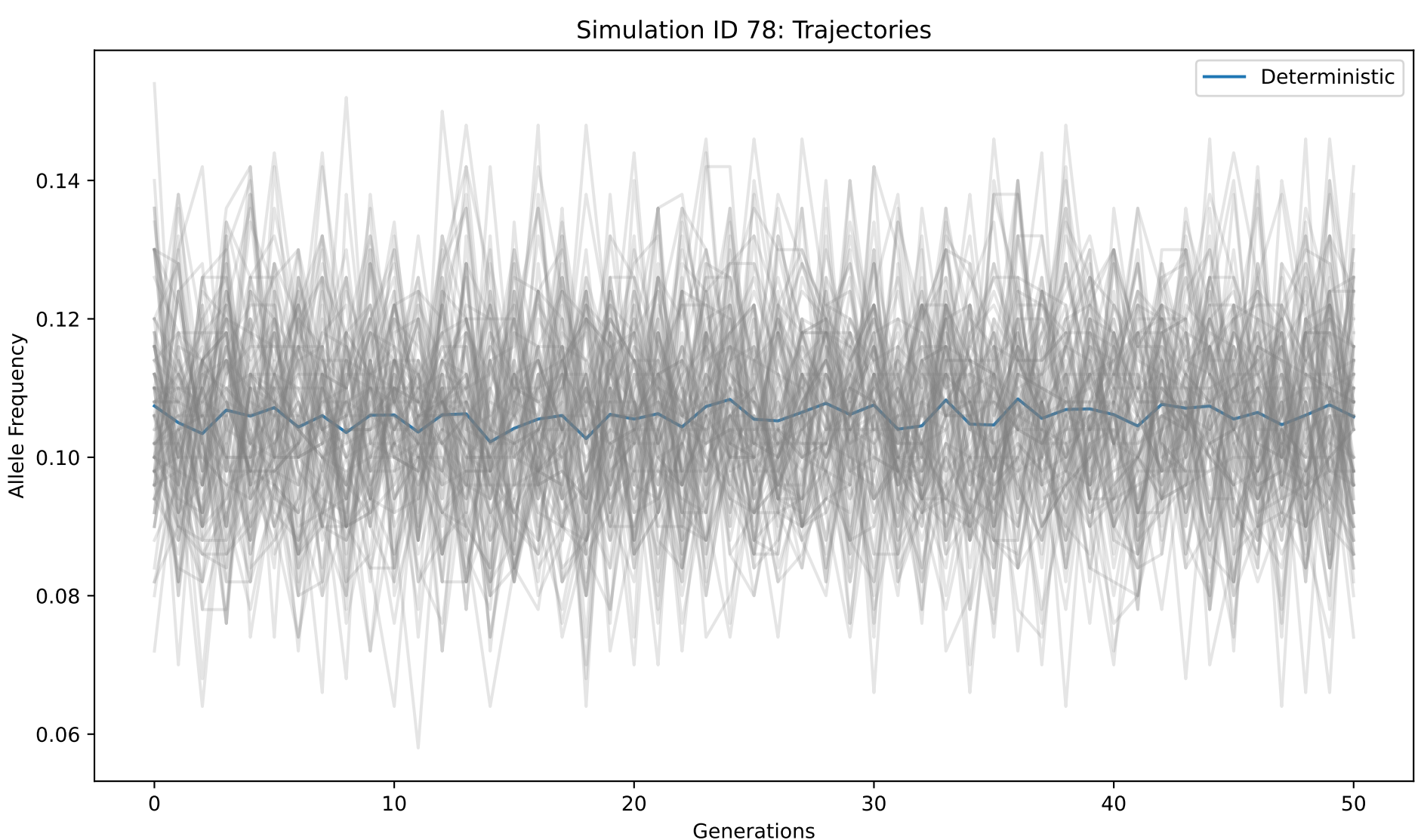

Simulation ID 73: Trajectories
Deterministic
Allele Frequency
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
20
40
60
80
100
Generations

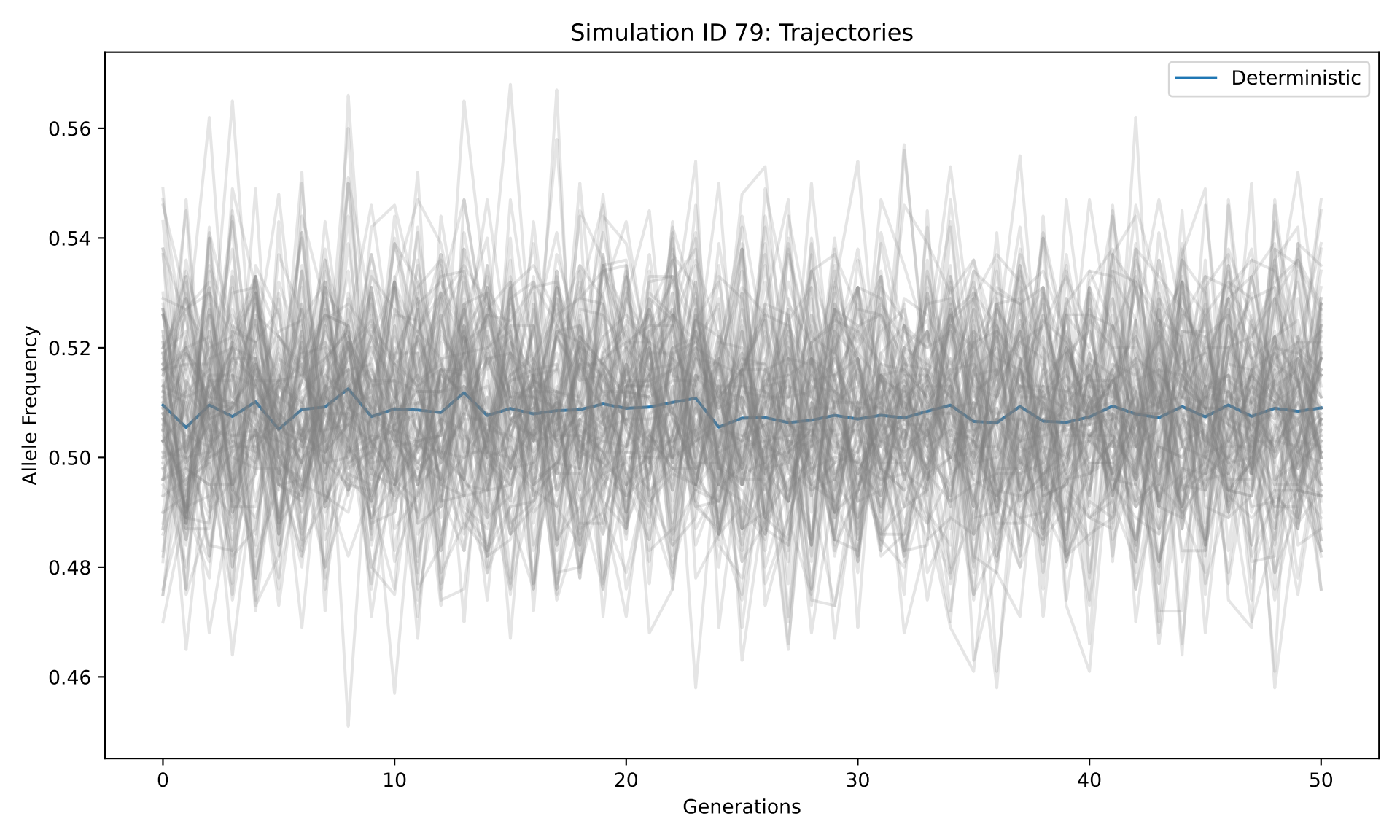

Simulation ID 74: Trajectories
Deterministic
Allele Frequency
0.5
0.4
0.3
0.2
0.1
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

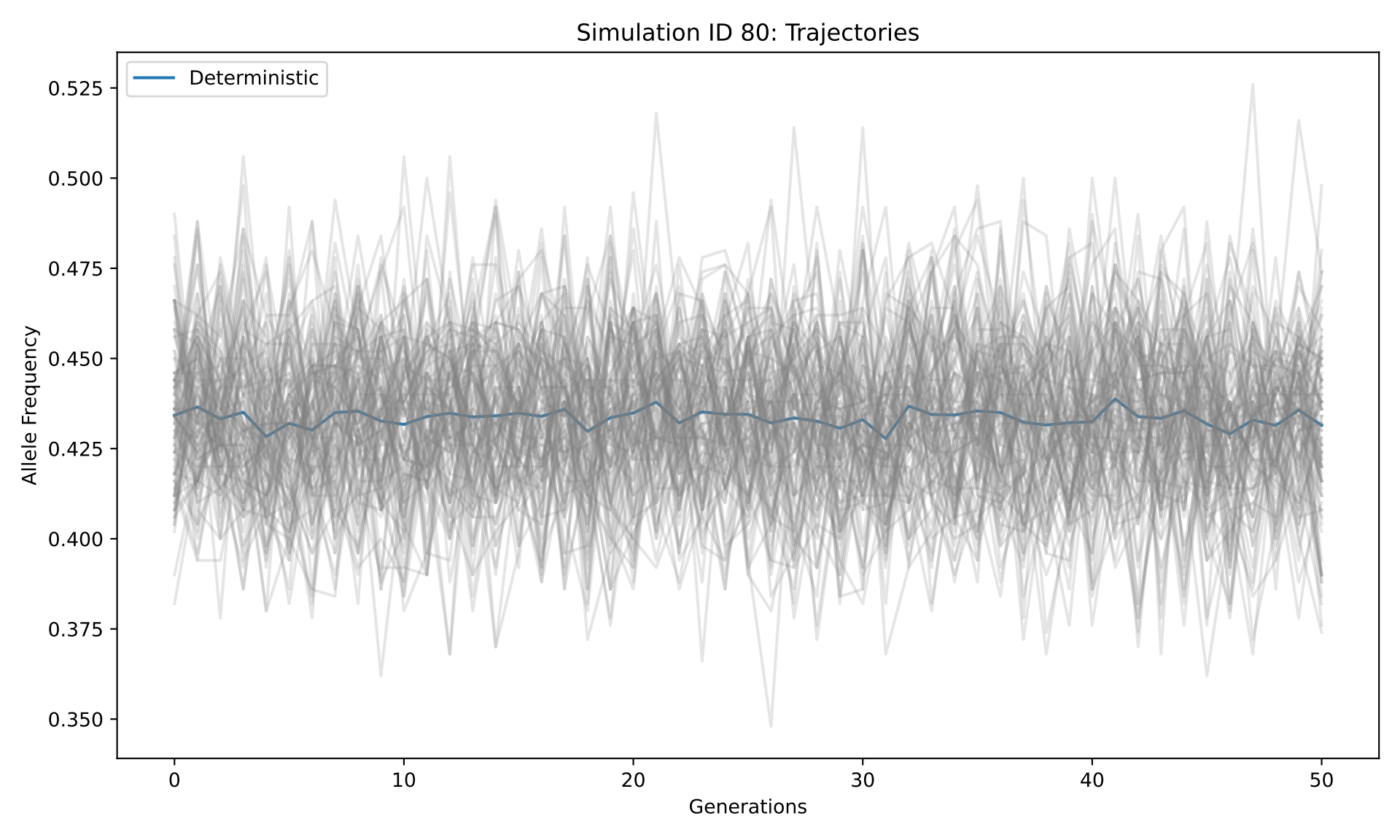

Simulation ID 75: Trajectories
Deterministic
Allele Frequency
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

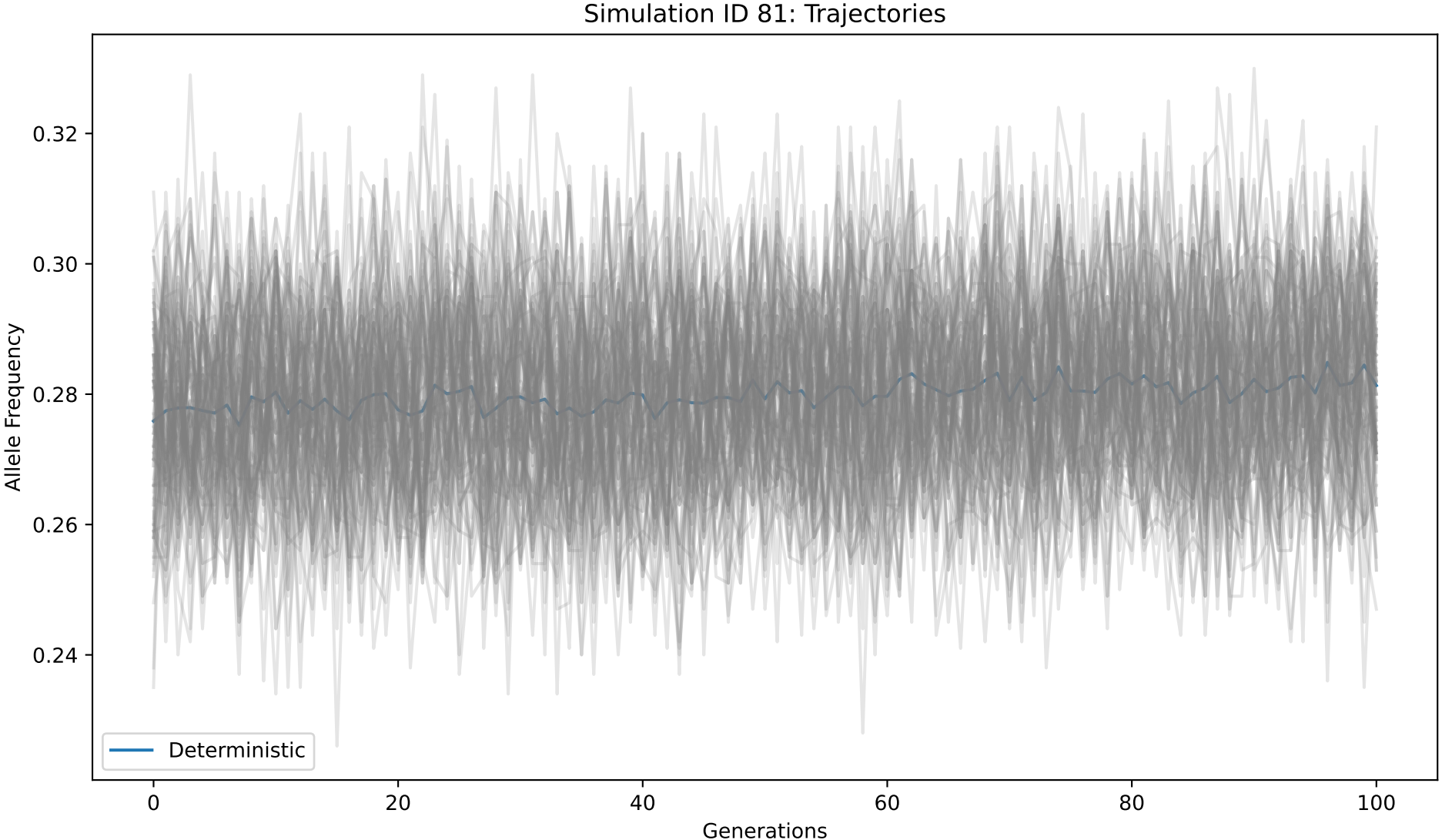

Simulation ID 76: Trajectories
Deterministic
Allele Frequency
0.80
0.78
0.76
0.74
0.72
0.70
0
10
20
30
40
50
Generations

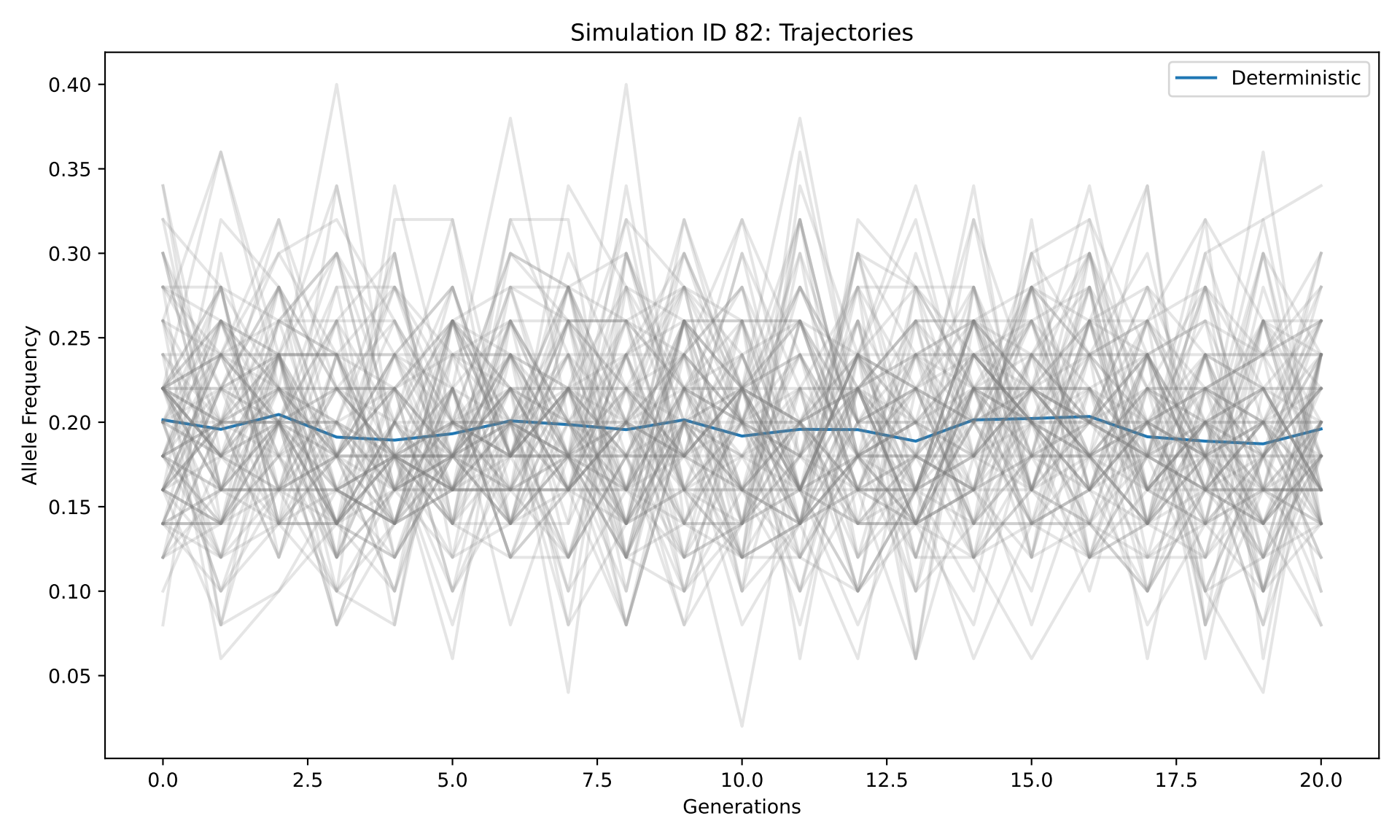

Simulation ID 77: Trajectories
Deterministic
Allele Frequency
0.82
0.80
0.78
0.76
0.74
0
10
20
30
40
50
Generations

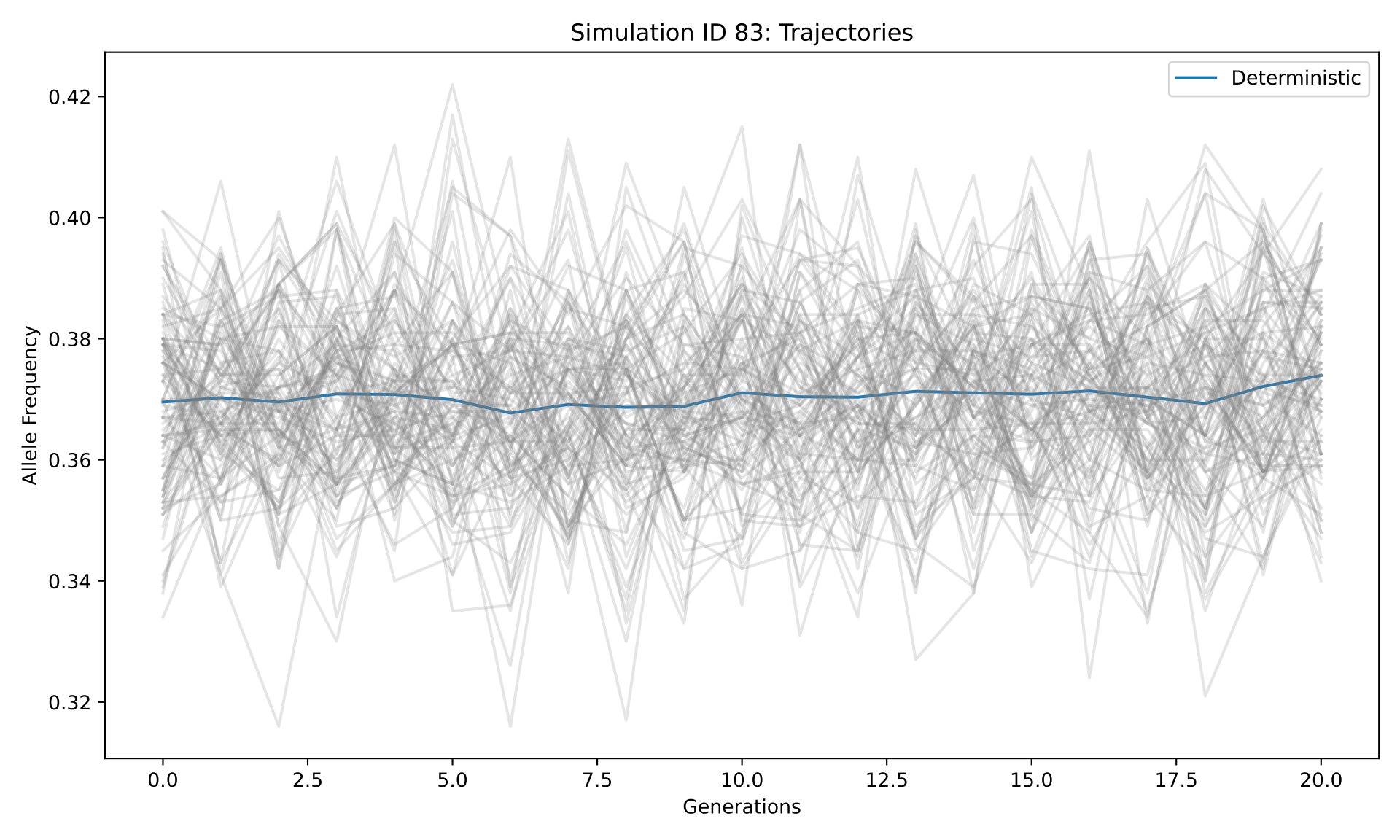

Simulation ID 78: Trajectories
Deterministic
Allele Frequency
0.14
0.12
0.10
0.08
0.06
0
10
20
30
40
50
Generations

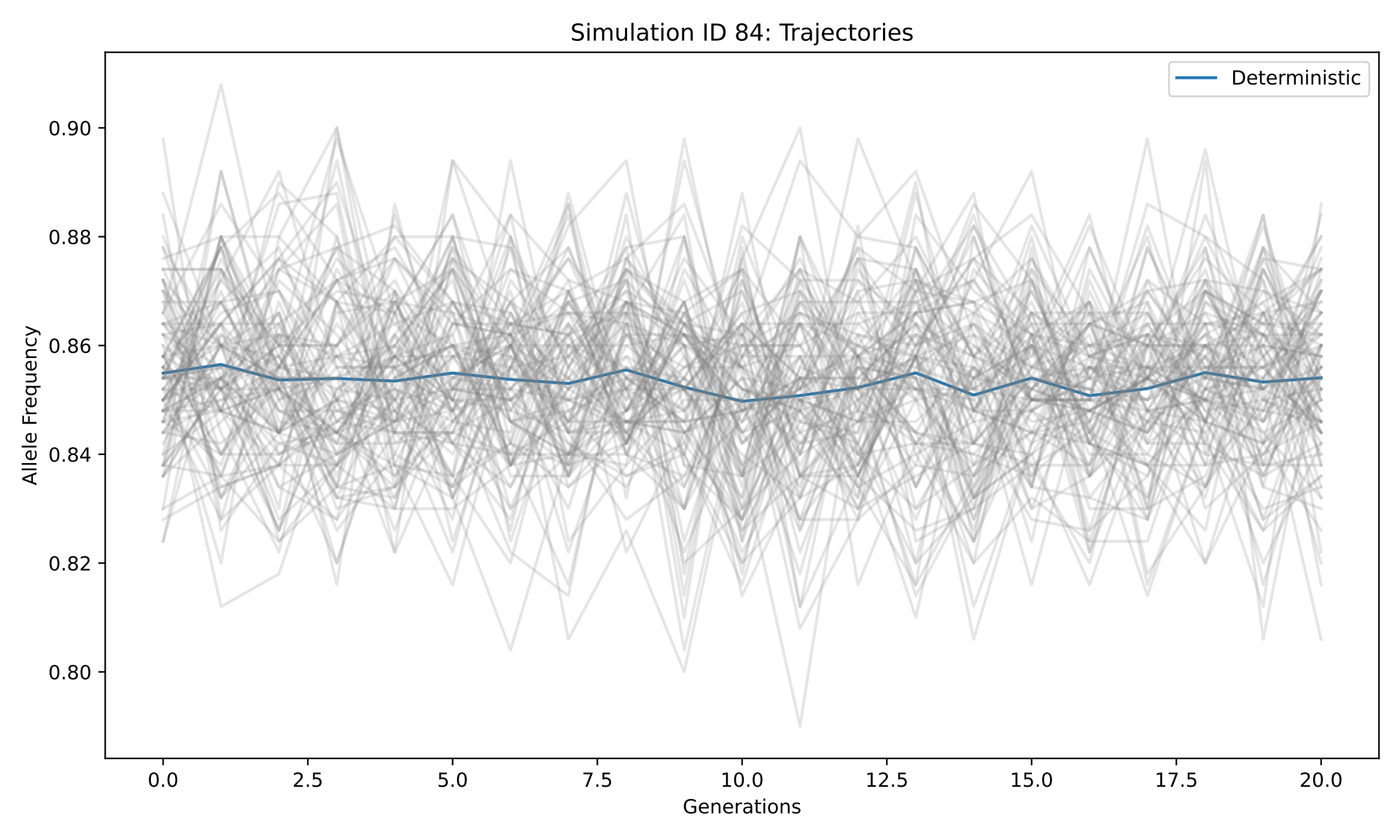

Simulation ID 79: Trajectories
Deterministic
Allele Frequency
0.56
0.54
0.52
0.50
0.48
0.46
0
10
20
30
40
50
Generations

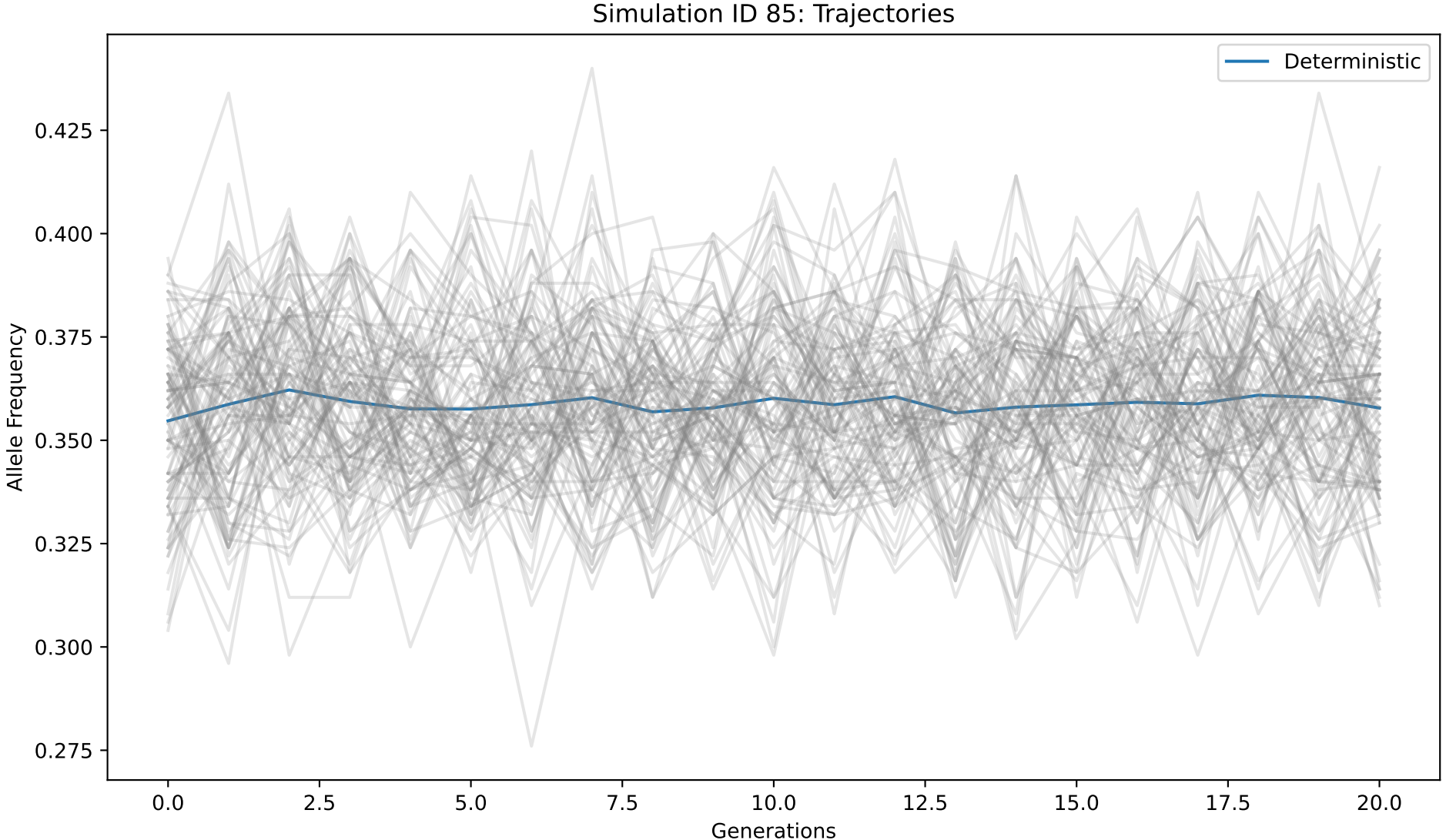

Simulation ID 80: Trajectories
Deterministic
0.525
0.500
0.475
0.450
0.425
0.400
0.375
0.350
Allele Frequency
0
10
20
30
40
50
Generations

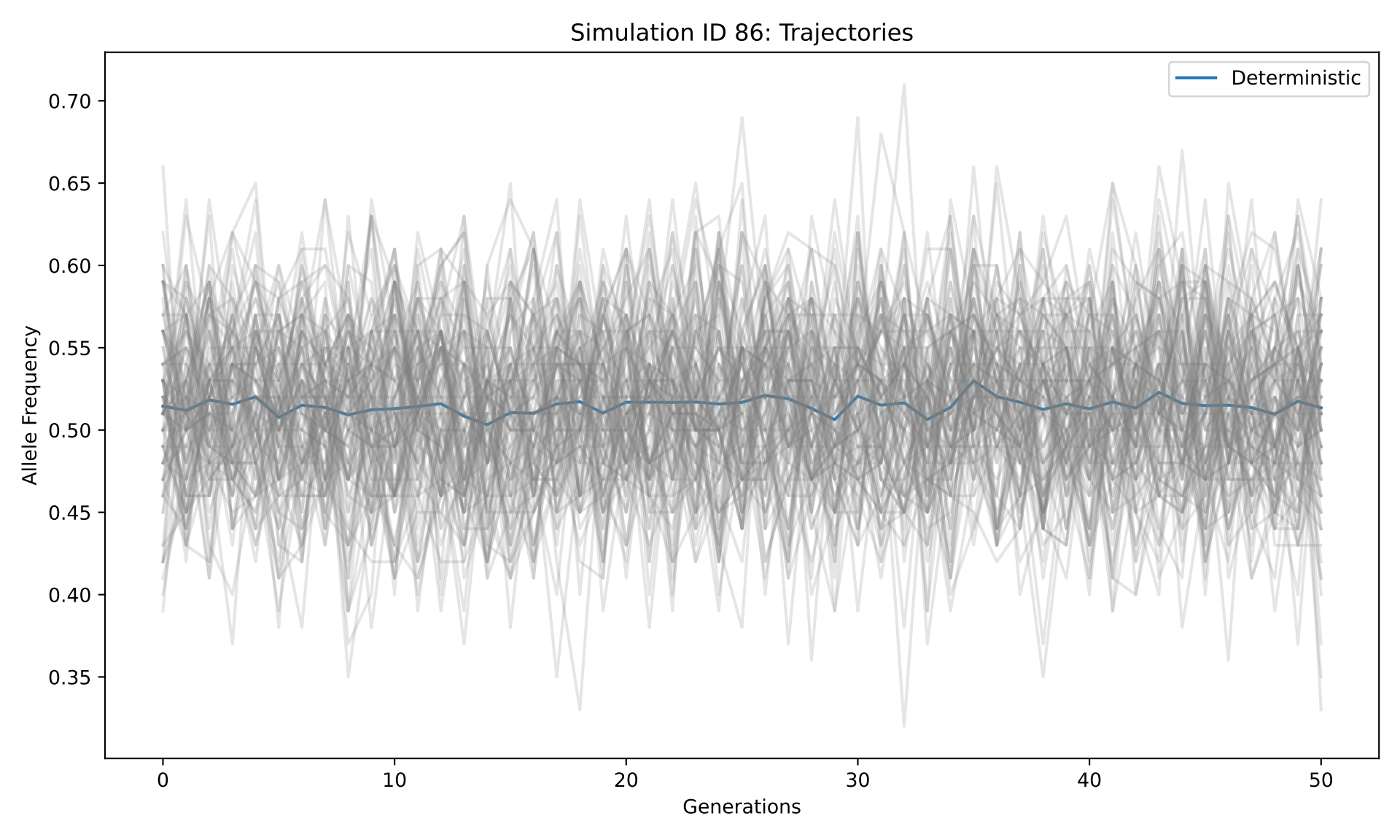

Simulation ID 81: Trajectories
Allele Frequency
0.32
0.30
0.28
0.26
0.24
Deterministic
0
20
40
60
80
100
Generations

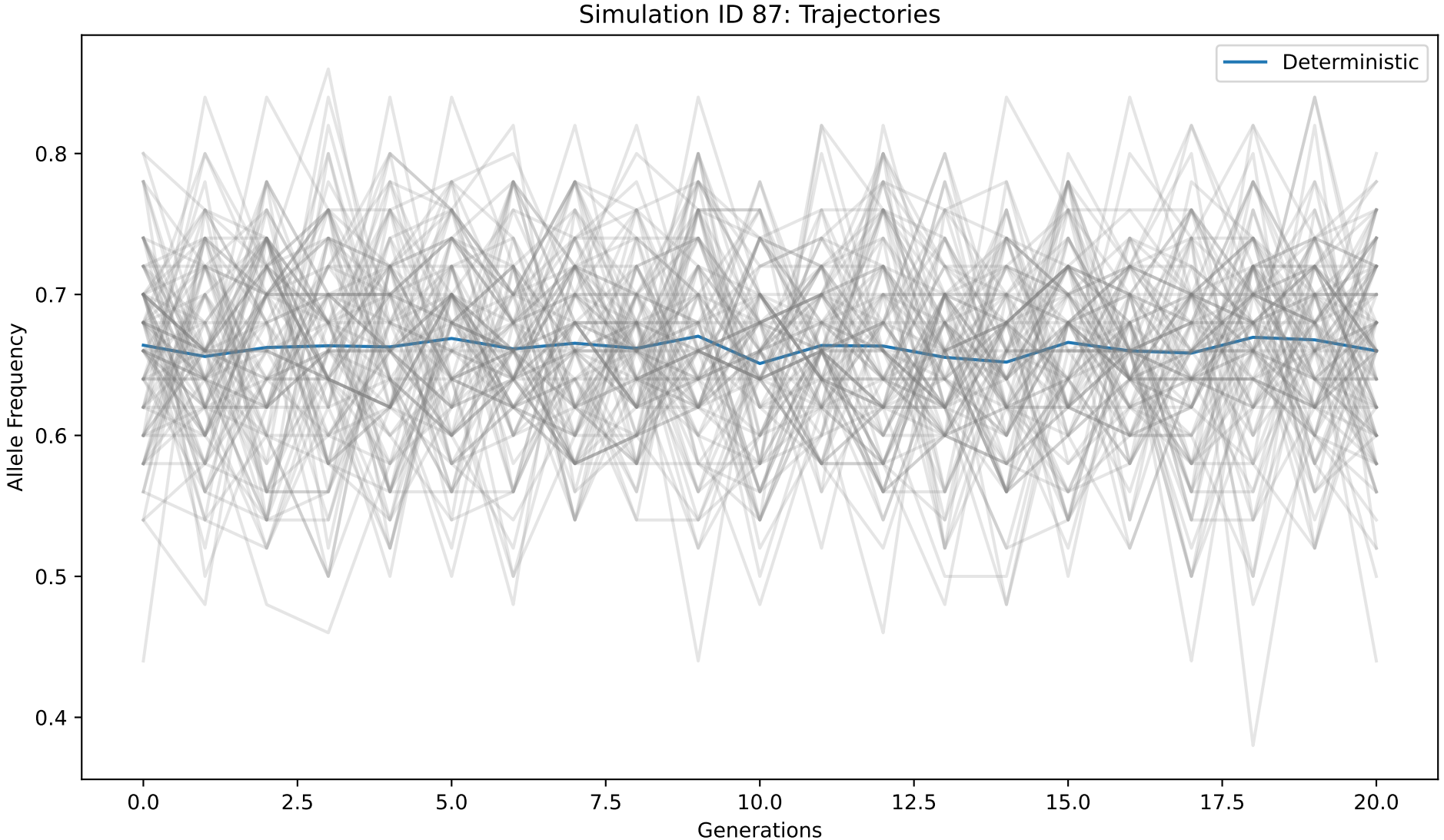

Simulation ID 82: Trajectories
Deterministic
Allele Frequency
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

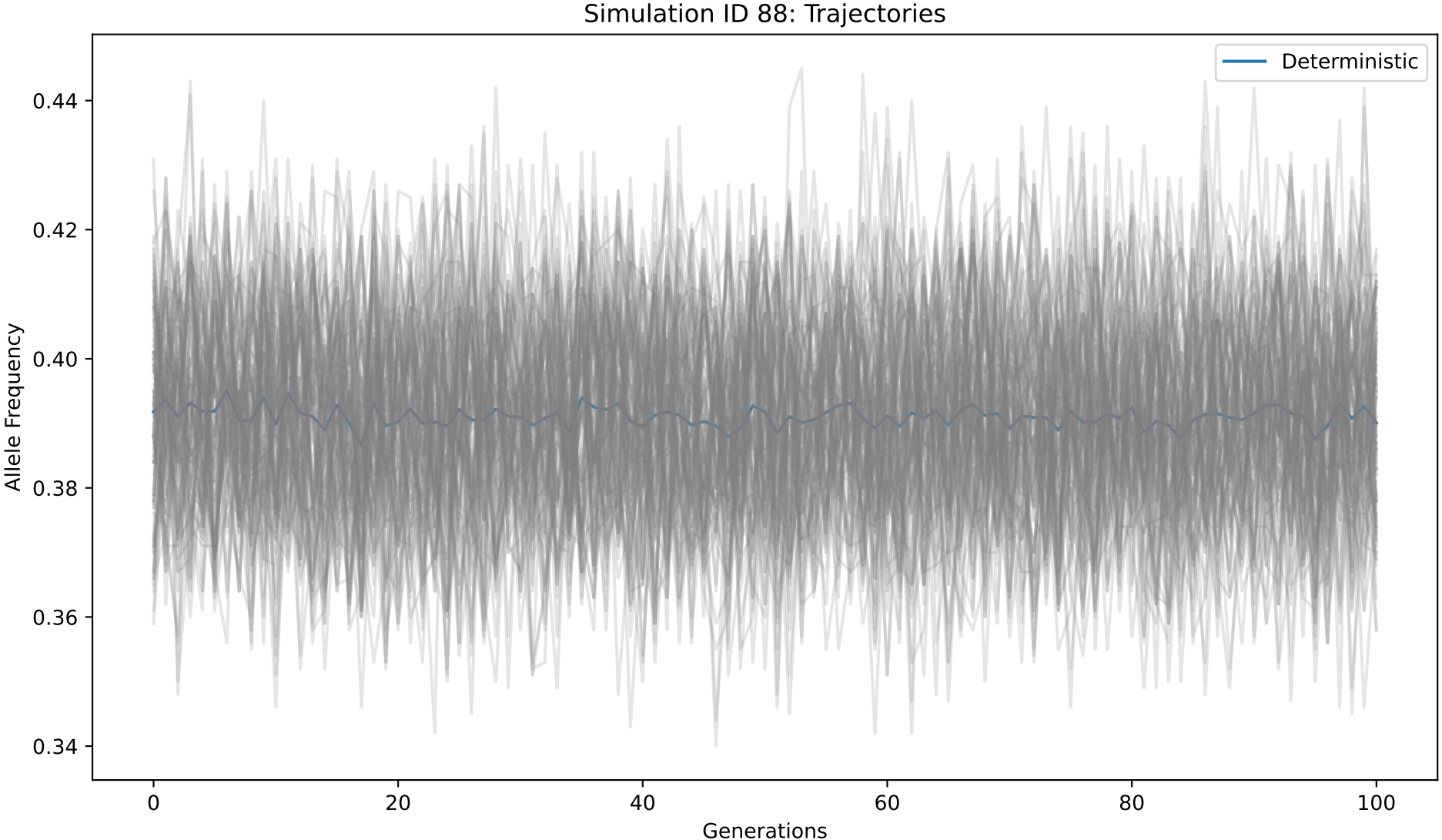

Simulation ID 83: Trajectories
Deterministic
0.42
0.40
0.38
0.36
0.34
0.32
Allele Frequency
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

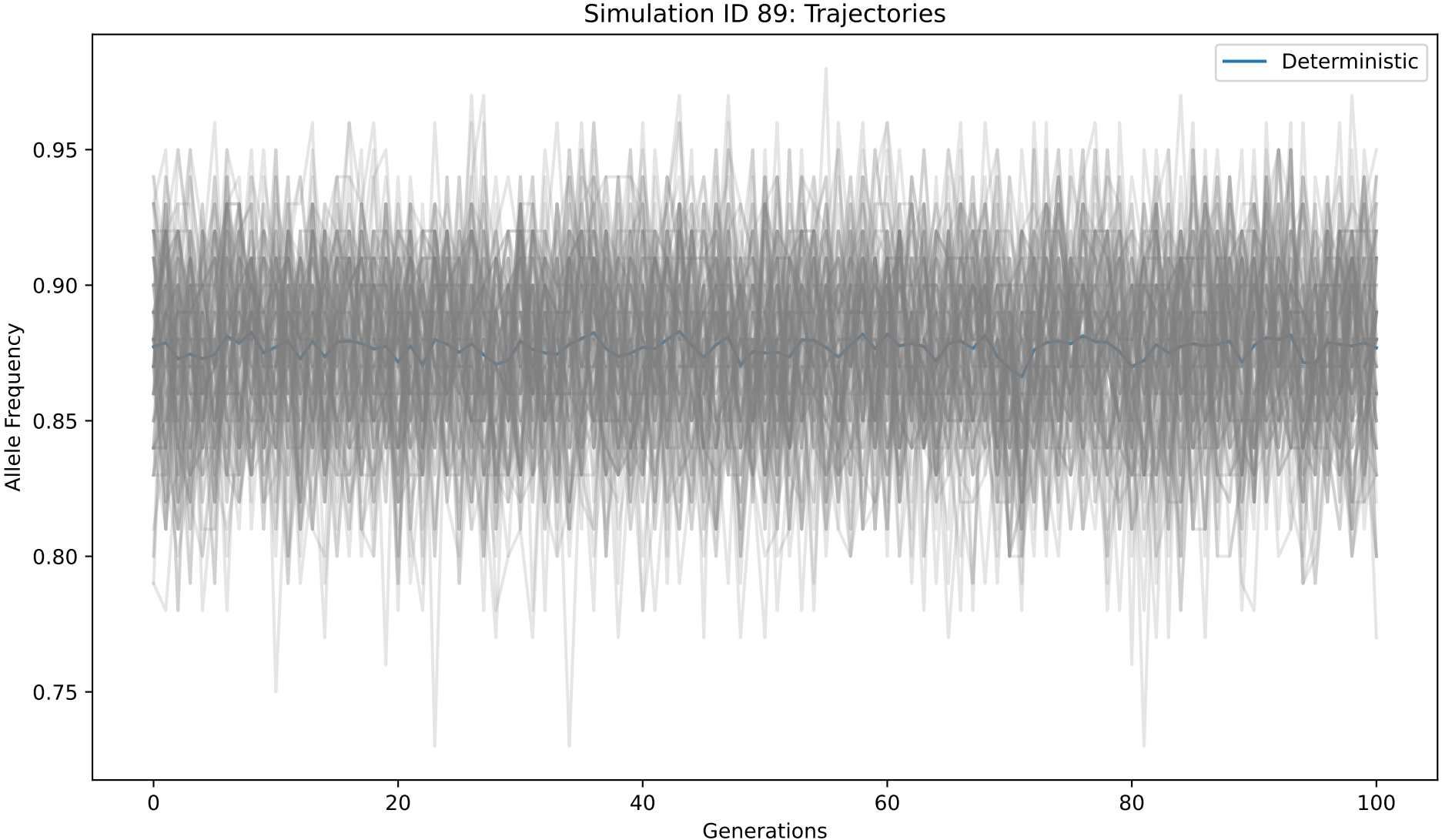

Simulation ID 84: Trajectories
Deterministic
Allele Frequency
0.90
0.88
0.86
0.84
0.82
0.80
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

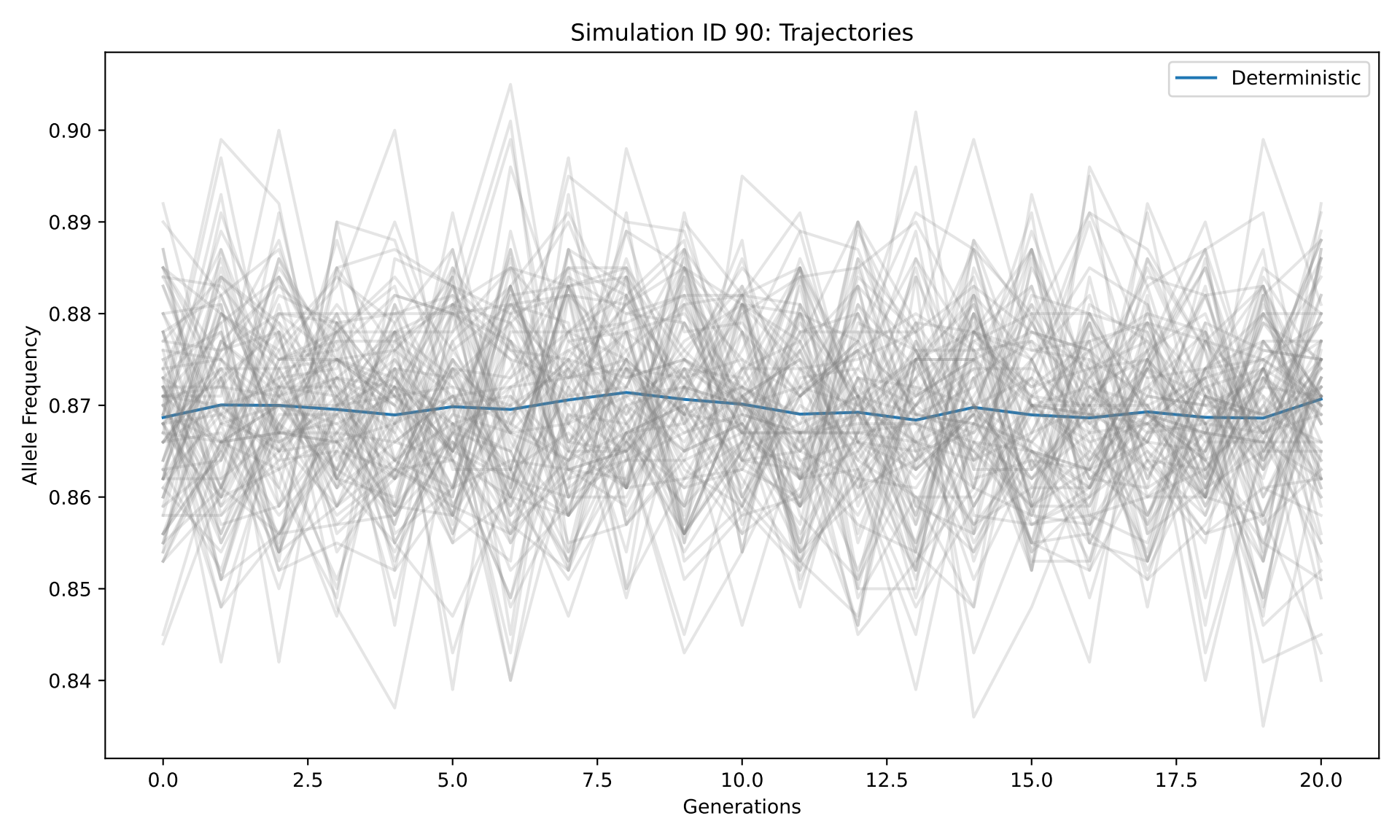

Simulation ID 85: Trajectories
Deterministic
Allele Frequency
0.425
0.400
0.375
0.350
0.325
0.300
0.275
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

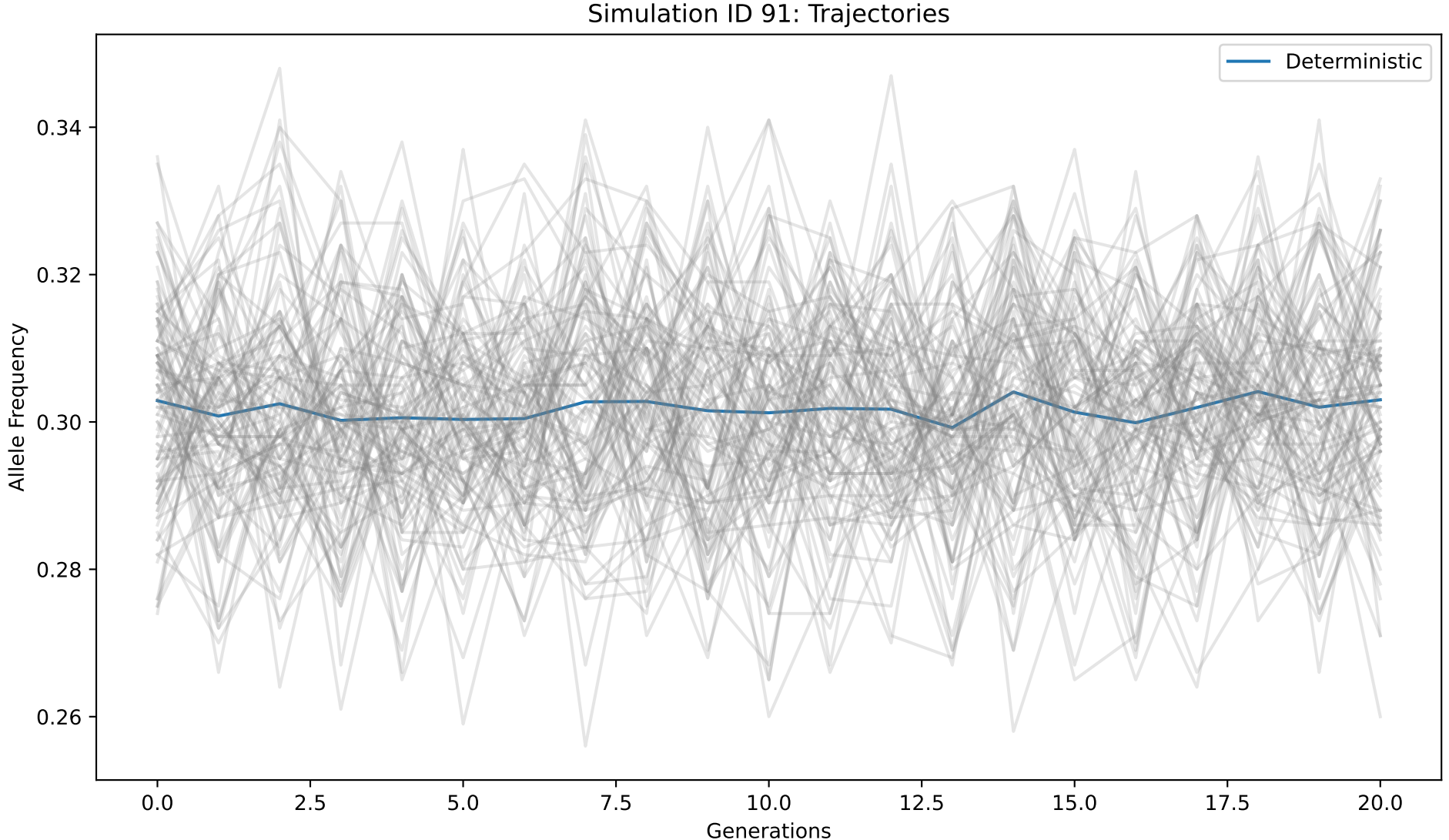

Simulation ID 86: Trajectories
Deterministic
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
Allele Frequency
0
10
20
30
40
50
Generations

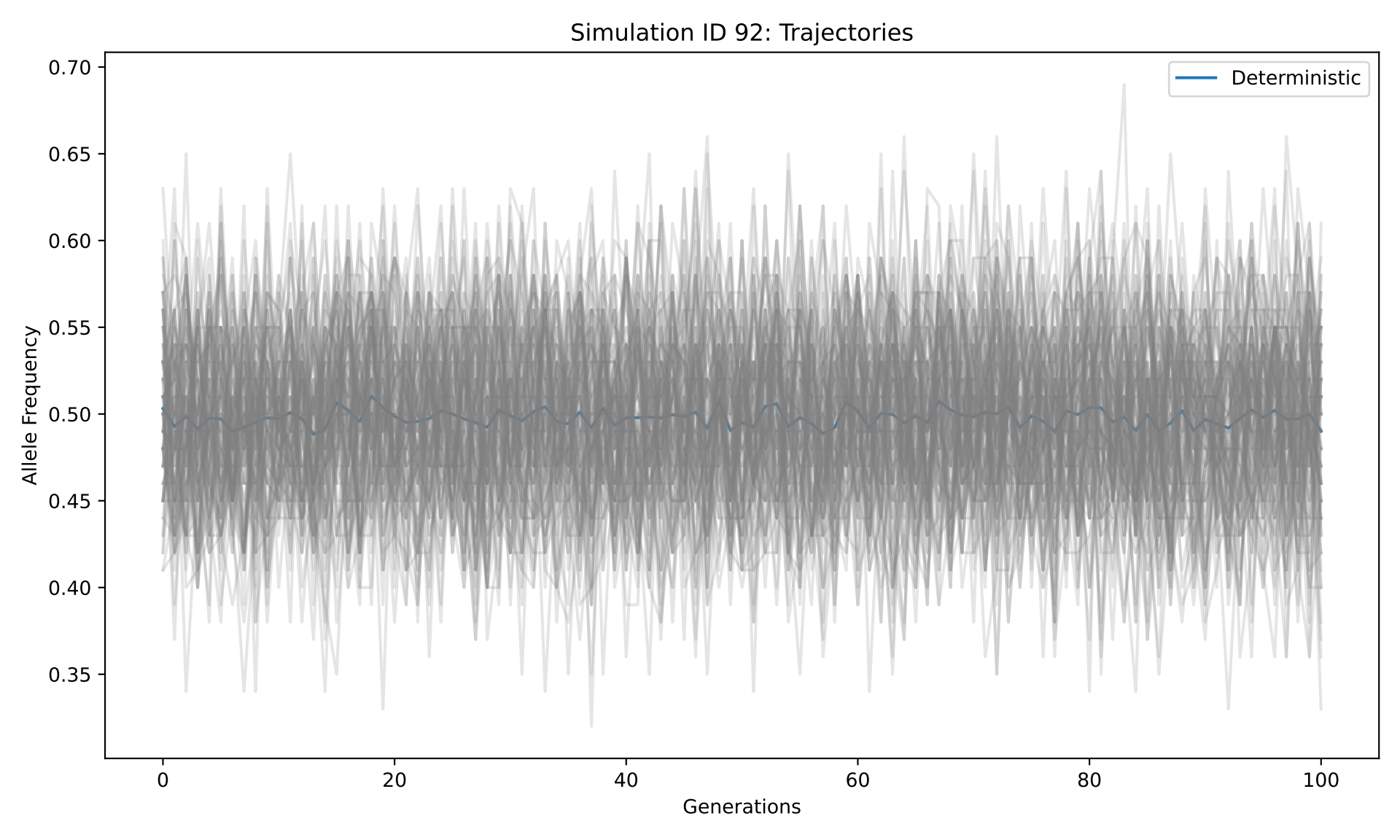

Simulation ID 87: Trajectories
Deterministic
Allele Frequency
0.8
0.7
0.6
0.5
0.4
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

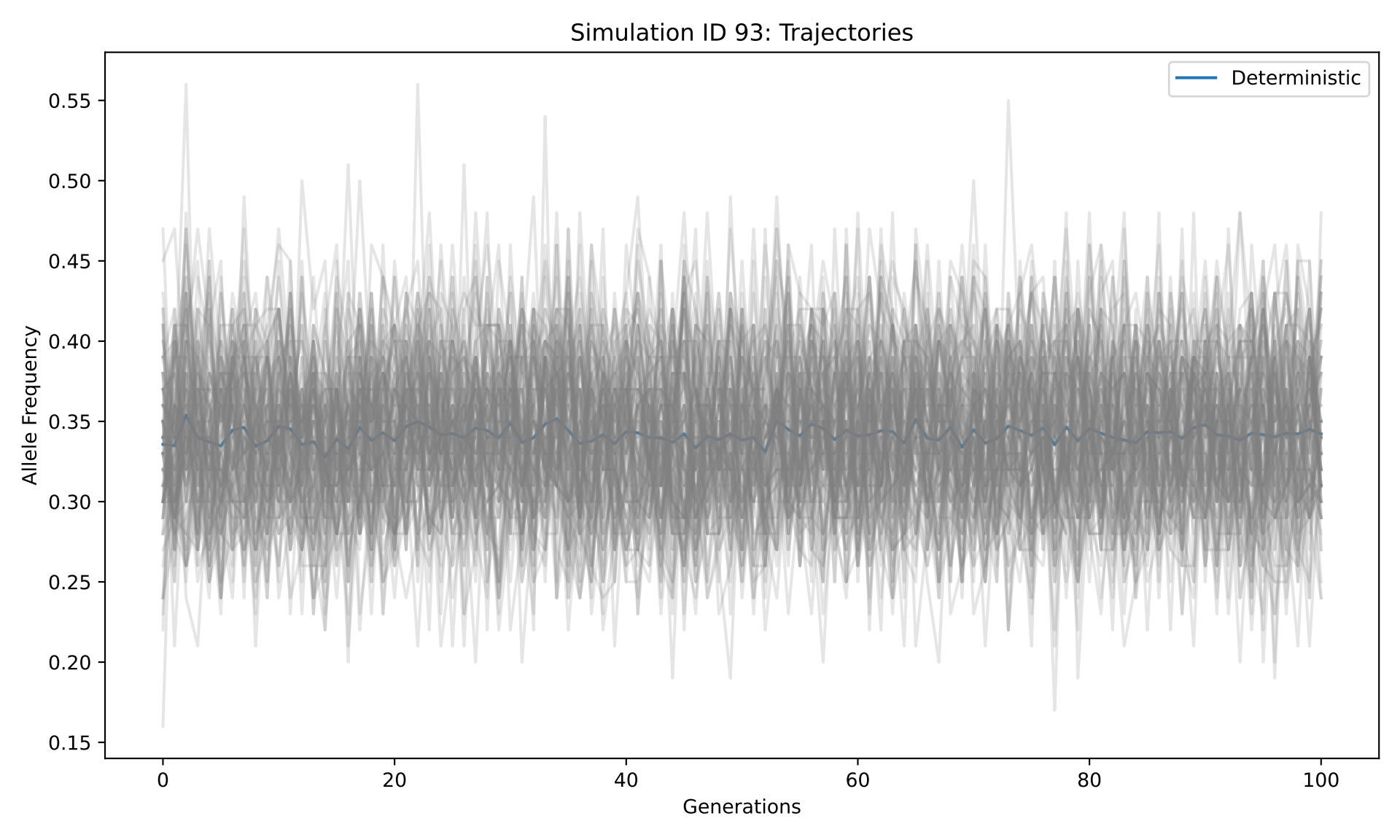

Simulation ID 88: Trajectories
Deterministic
Allele Frequency
0.44
0.42
0.40
0.38
0.36
0.34
0
20
40
60
80
100
Generations

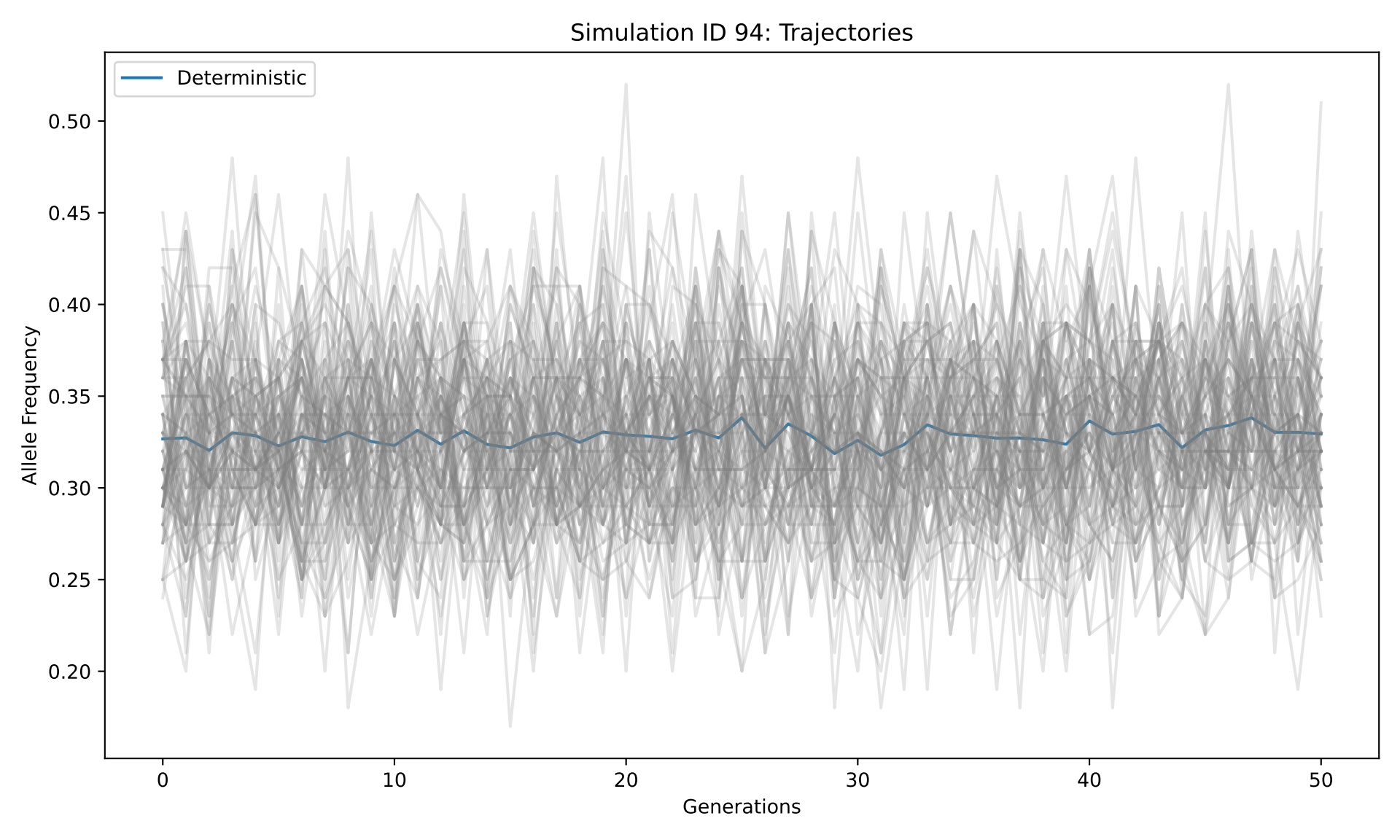

Simulation ID 89: Trajectories
Deterministic
Allele Frequency
0.95
0.90
0.85
0.80
0.75
0
20
40
60
80
100
Generations

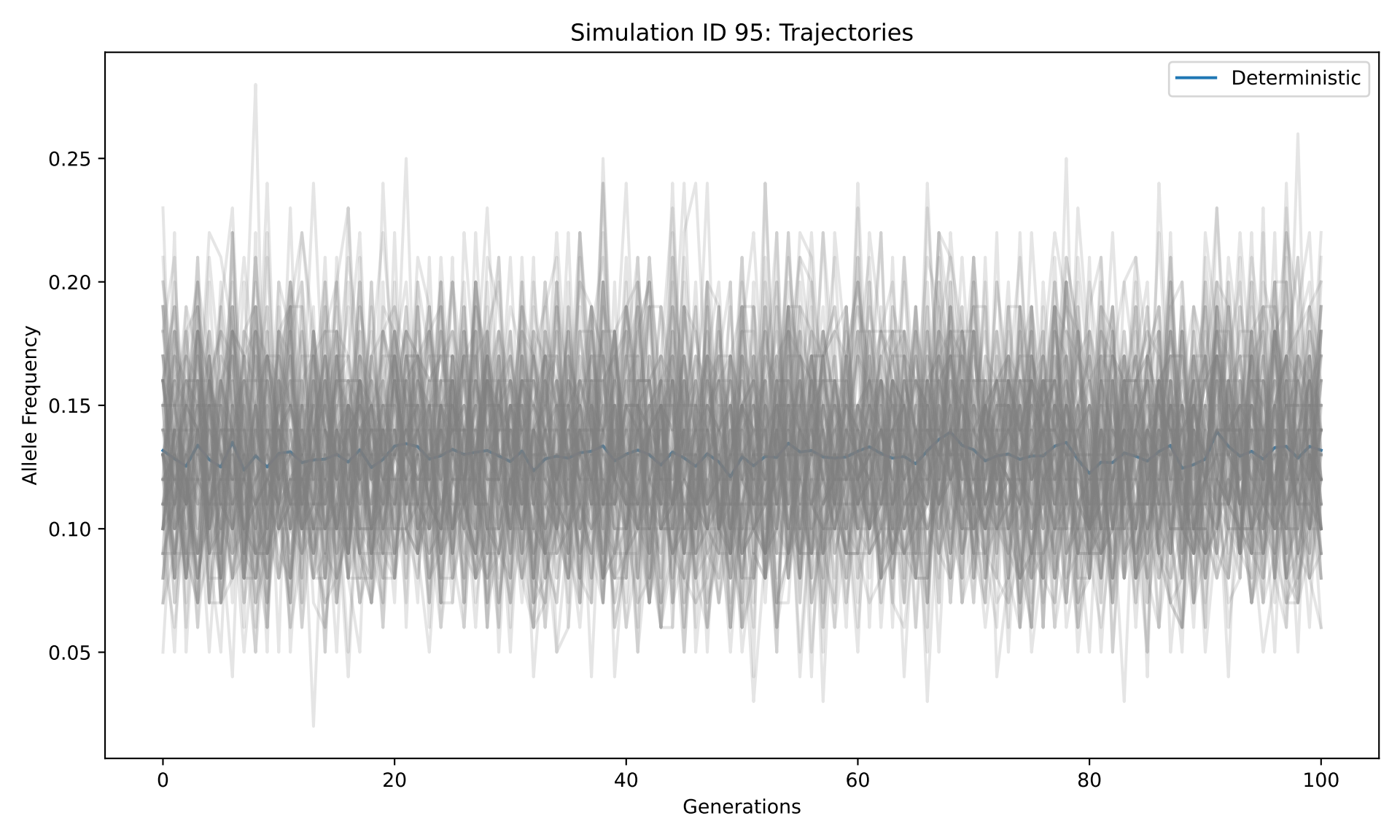

Simulation ID 90: Trajectories
Deterministic
Allele Frequency
0.90
0.89
0.88
0.87
0.86
0.85
0.84
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

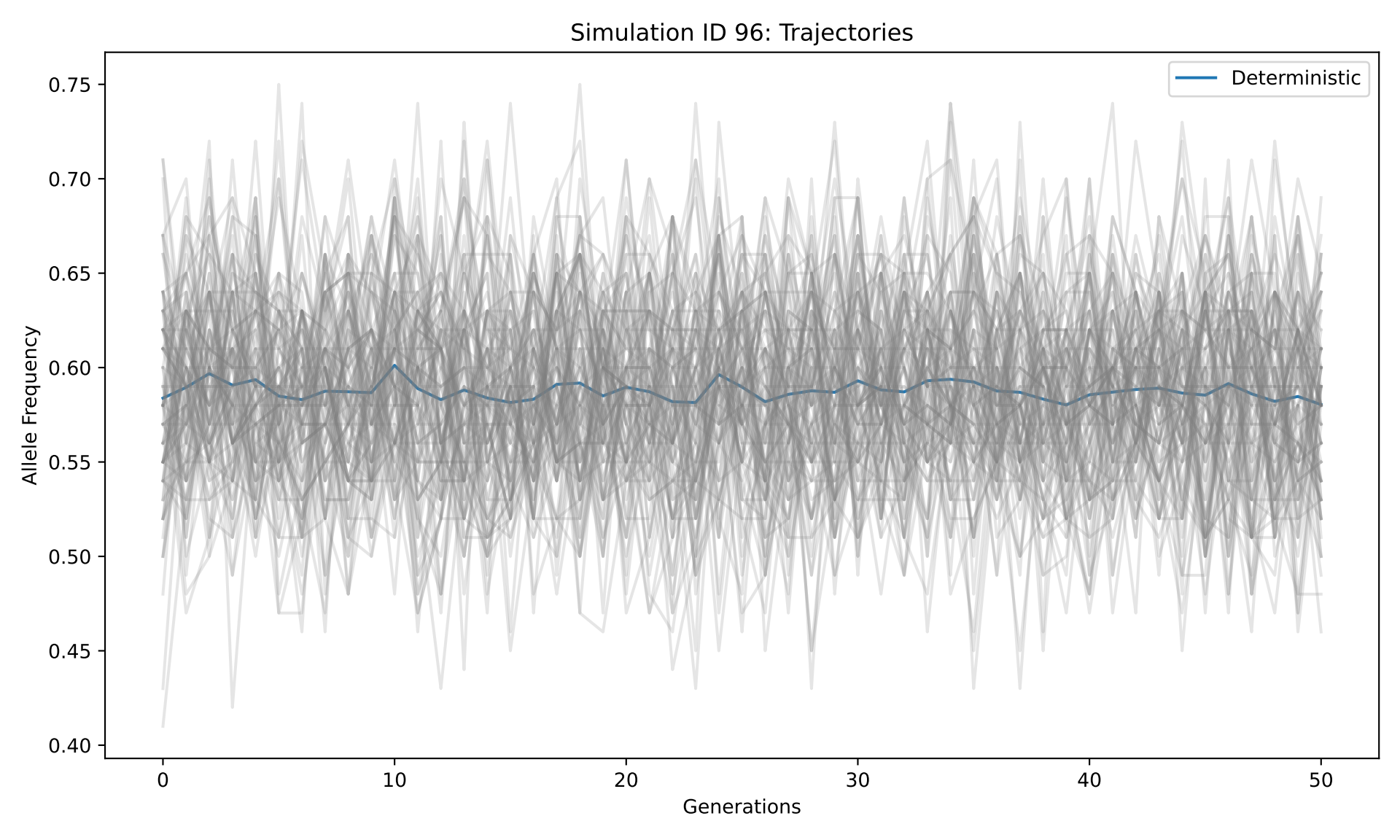

Simulation ID 91: Trajectories
Deterministic
Allele Frequency
0.34
0.32
0.30
0.28
0.26
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Generations

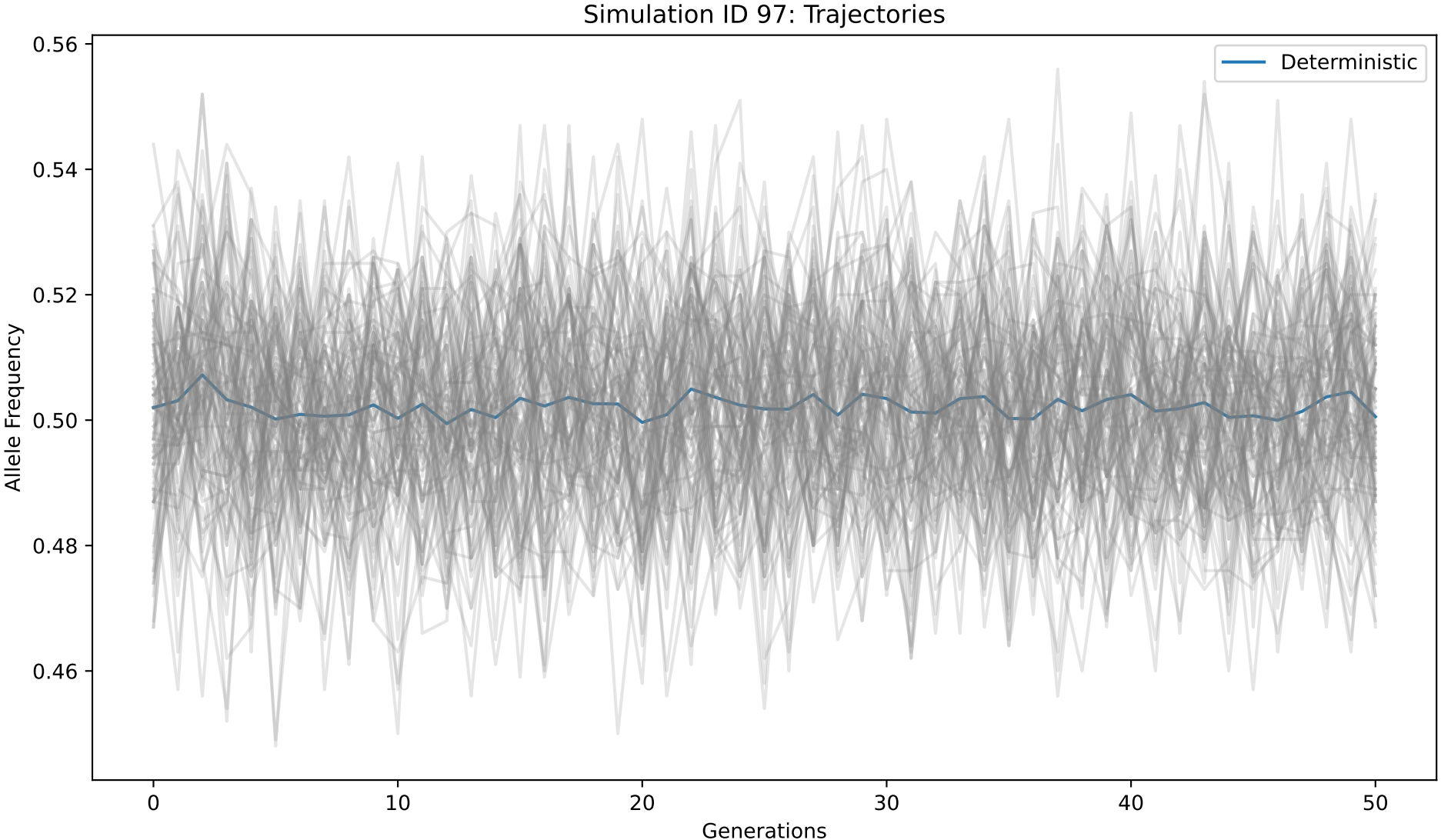

Simulation ID 92: Trajectories
Deterministic
Allele Frequency
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0
20
40
60
80
100
Generations

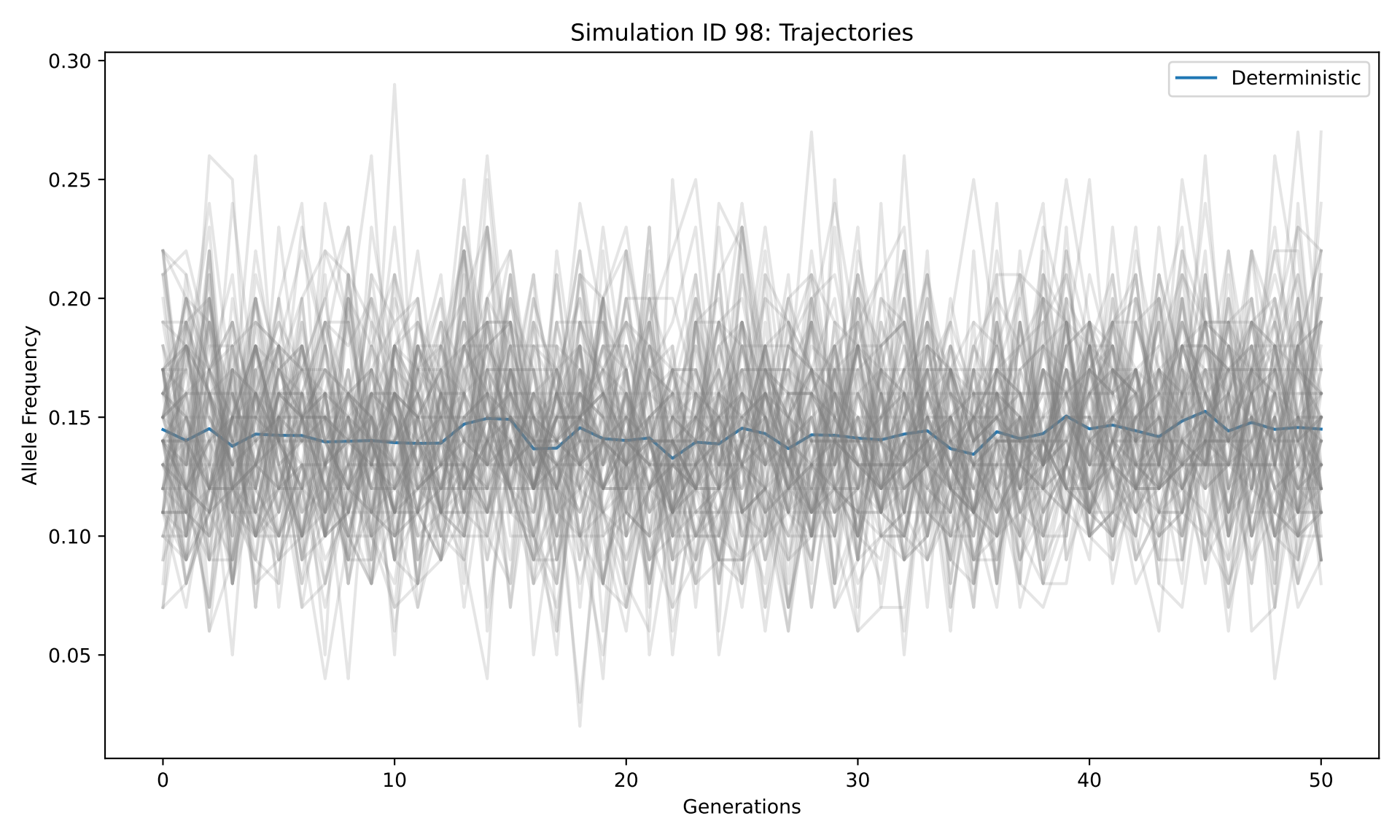

Simulation ID 93: Trajectories
Deterministic
Allele Frequency
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0
20
40
60
80
100
Generations

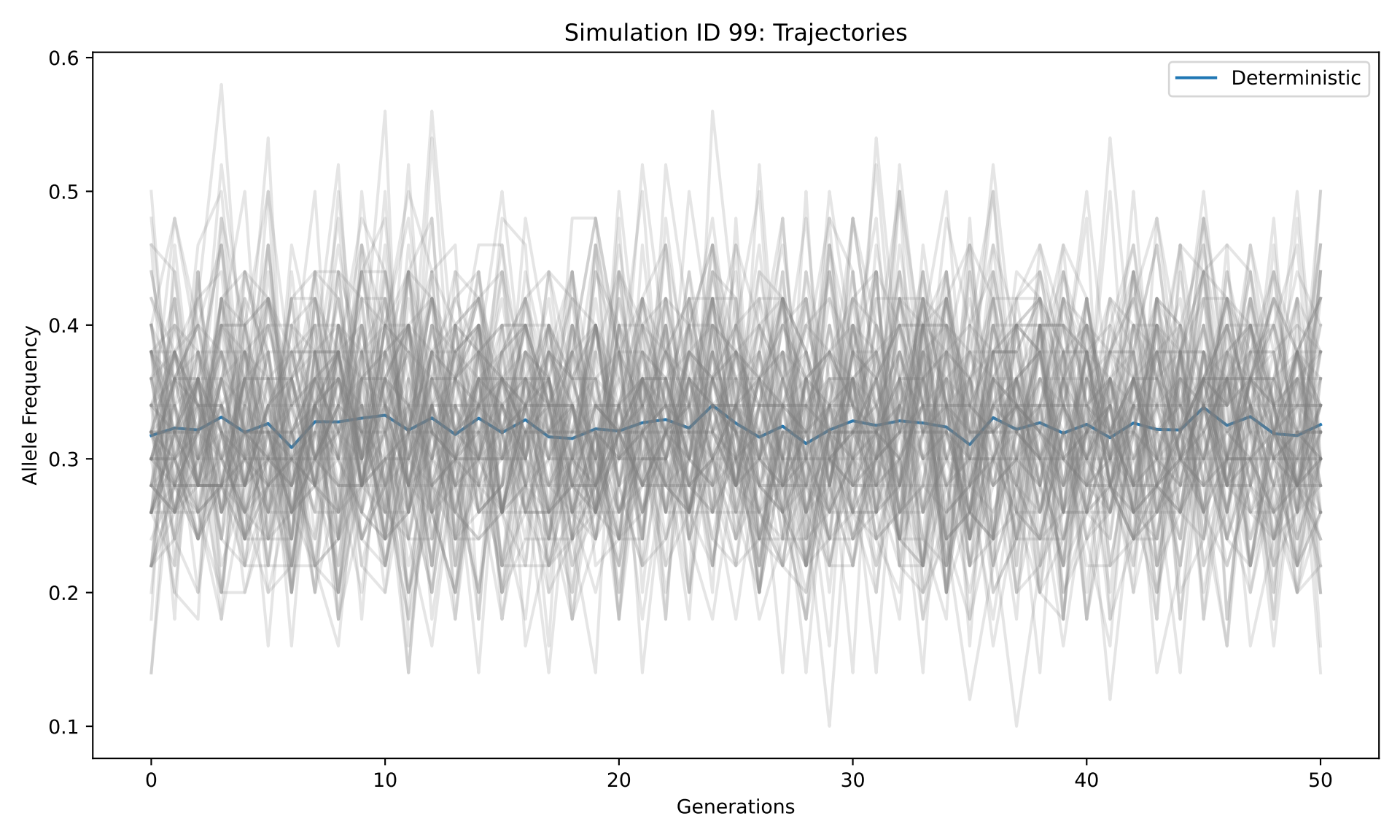

Simulation ID 94: Trajectories
Deterministic
Allele Frequency
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0
10
20
30
40
50
Generations


Simulation ID 95: Trajectories
Deterministic
Allele Frequency
0.25
0.20
0.15
0.10
0.05
0
20
40
60
80
100
Generations


Simulation ID 96: Trajectories
Deterministic
Allele Frequency
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0
10
20
30
40
50
Generations

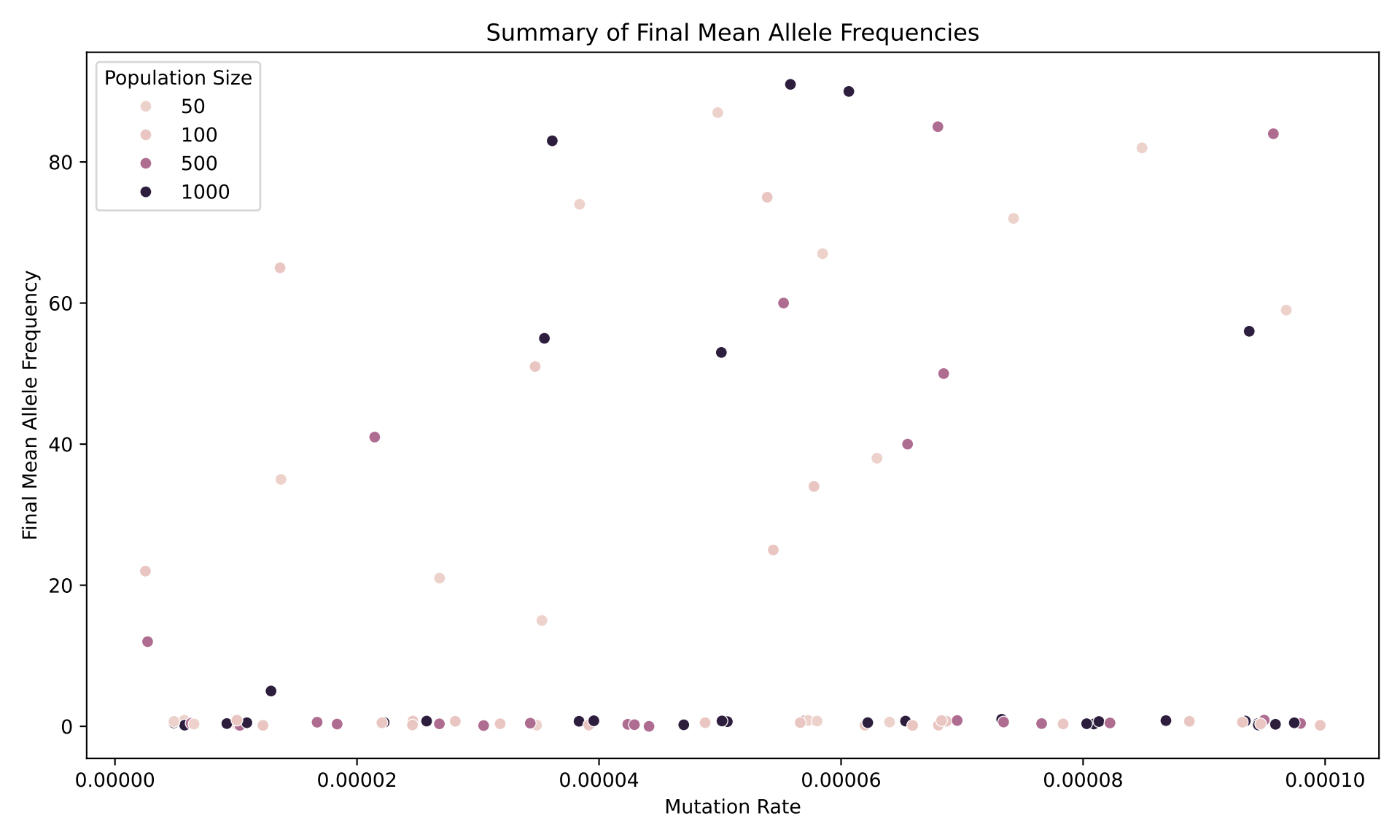

Simulation ID 97: Trajectories
Deterministic
Allele Frequency
0.56
0.54
0.52
0.50
0.48
0.46
0
10
20
30
40
50
Generations


Simulation ID 98: Trajectories
Deterministic
Allele Frequency
0.30
0.25
0.20
0.15
0.10
0.05
0
10
20
30
40
50
Generations


Simulation ID 99: Trajectories
Deterministic
Allele Frequency
0.6
0.5
0.4
0.3
0.2
0.1
0
10
20
30
40
50
Generations

Summary Statistics

31.0	50.0	0.5986385014620463	100.0	6.400395614715512e-05	0.5993999999999999	0.0750732975164938
32.0	1000.0	0.3647184198821194	100.0	8.029398017355758e-05	0.3678800000000001	0.01448948068445003
33.0	100.0	0.1508466802288189	100.0	6.80396658959152e-05	0.1593	0.0345608817227591
34.0	100.0	0.3487858573725297	20.0	5.77633371255214e-05	34.0	0.0
35.0	50.0	0.3601466576213976	20.0	1.372153497015711e-05	35.0	0.0
36.0	1000.0	0.6836849426704512	100.0	8.13092134968643e-05	0.6792699999999999	0.0168168115739919
37.0	50.0	0.6100459770841705	50.0	8.224330809865158e-05	0.6036	0.0686010277627165
38.0	50.0	0.8097701940610612	20.0	6.296802734005571e-05	38.0	0.0
39.0	500.0	0.4777719401295595	100.0	8.222225753335555e-05	0.4754	0.01966281420921894
40.0	500.0	0.1956753967506413	20.0	6.5496992413921e-05	40.0	0.0
41.0	500.0	0.670595829778396	20.0	2.14617516277978e-05	41.0	0.0
42.0	100.0	0.708628038893518	50.0	2.8122151604792244e-05	0.7116	0.05116264420078541
43.0	1000.0	0.549021758055597	100.0	2.2244322851129043e-05	0.5520299999999999	0.01516805188479382
44.0	1000.0	0.7167737439636488	100.0	3.834864923956961e-05	0.71375	0.01529400423880436
45.0	1000.0	0.4950364770915126	50.0	4.857350098713129e-06	0.49364	0.0156911607363039
46.0	1000.0	0.5181862635055953	50.0	6.22071345494514e-05	0.5208499999999999	0.0174277005790995
47.0	500.0	0.4420328146868397	100.0	3.4318867273983924e-05	0.4456000000000001	0.02285129795398541
48.0	100.0	0.1203353013952761	100.0	6.591654090269348e-05	0.12000000000000002	0.02988192251059648
49.0	100.0	0.1863131415946435	50.0	3.915426547559094e-05	0.18269999999999997	0.0419199573983899
50.0	500.0	0.1251433485493874	20.0	6.847975322830619e-05	50.0	0.0
51.0	100.0	0.6091283290110243	20.0	3.472183237695976e-05	51.0	0.0
52.0	500.0	0.3514847848610614	50.0	2.680875829535441e-05	0.35173999999999994	0.02243672134351328
53.0	1000.0	0.5068565529317622	20.0	5.010770797504721e-05	53.0	0.0
54.0	500.0	0.8260531791408744	50.0	6.9596145510502e-05	0.8230999999999998	0.01801991042478210
55.0	1000.0	0.2994337833191	20.0	3.548532384086654e-05	55.0	0.0
56.0	1000.0	0.4283063384285038	20.0	9.372816703371502e-05	56.0	0.0
57.0	50.0	0.7044409108344389	100.0	4.879446340888979e-06	0.6926000000000001	0.0682630088982194
58.0	500.0	0.283038532393298	100.0	4.23766571398423e-05	0.28592	0.01959369100687073
59.0	50.0	0.1615839278630344	20.0	9.67904746005045e-05	59.0	0.0
60.0	500.0	0.3318011623310144	20.0	5.524921644156064e-05	60.0	0.0
61.0	500.0	0.2289770298032035	100.0	4.292362328850374e-05	0.23	0.0184752086140680
62.0	50.0	0.8437581218740585	100.0	5.728350809124588e-05	0.8398000000000002	0.04861682794666842
63.0	50.0	0.7464963036515336	100.0	5.801653295055038e-05	0.746	0.0666969628130460
64.0	500.0	0.6067230052083388	50.0	7.343312777466438e-05	0.609	0.022760057162059
65.0	100.0	0.7971684721501742	20.0	1.3641283212824097e-05	65.0	0.0
66.0	1000.0	0.7429376615192916	100.0	2.5751628472394363e-05	0.7404600000000001	0.01440217435884688
67.0	50.0	0.3492560471088286	20.0	5.847385722304708e-05	67.0	0.0


Summary of Final Mean Allele Frequencies
Population Size
50
100
500
1000
Final Mean Allele Frequency
0
20
40
60
80
0.00000
0.00002
0.00004
0.00006
0.00008
0.00010
Mutation Rate