snp\_density 0.002 Min read ANI (%) 0.0 0.001 100.0 0.000 coverage 0 nucl diversity 0.10 0.05 -0.00 0.5

genome position

1.5

2.0

2.5 1e6

1.0

0.0

TOBG\_CPC-20.fna

linkage 0.20 Min read ANI (%) 0.15 100 snp\_density 0.05 0.00 coverage 100 nucl\_diversity 0.025 0.000 0.2 0.4 8.0 1.0 0.6 0.0 1e6 genome position

TOBG\_CPC-289.fna

TOBG\_EAC-35.fna snp\_density Min read ANI (%) 0.005 100.0 0.000 coverage 0 nucl\_diversity 0.01 0.00

1.0

genome position

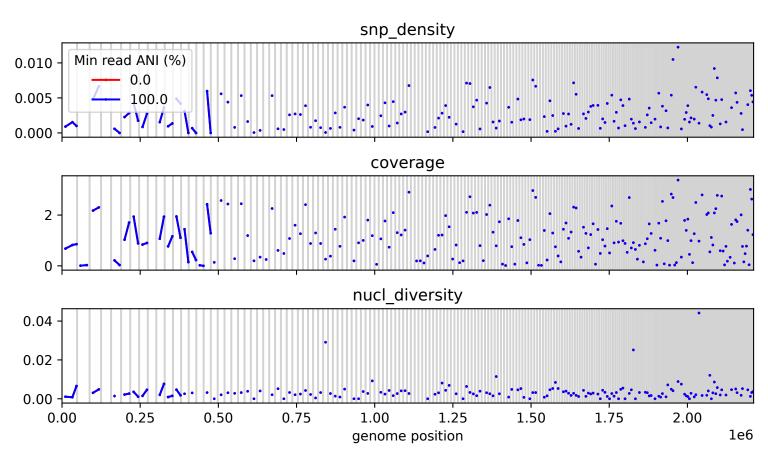
2.0

1e6

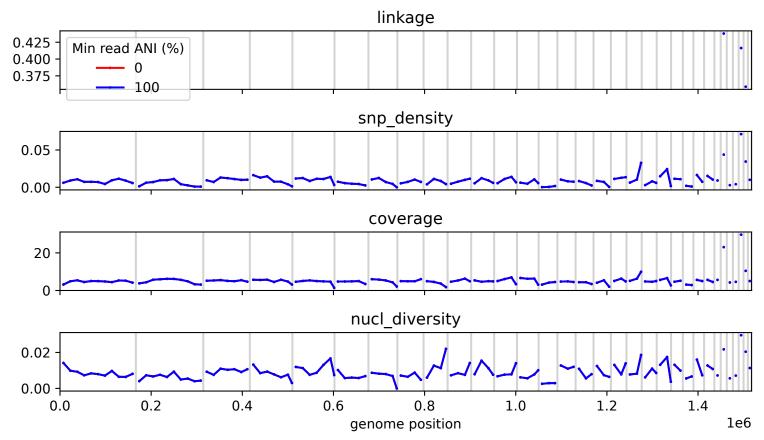
0.5

0.0

TOBG\_IN-47.fna

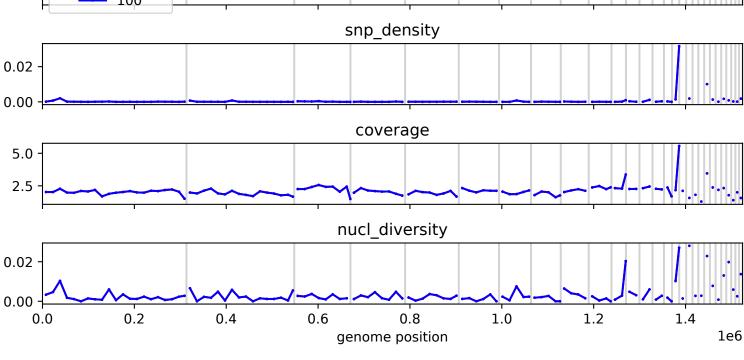


TOBG\_MED-1001.fna

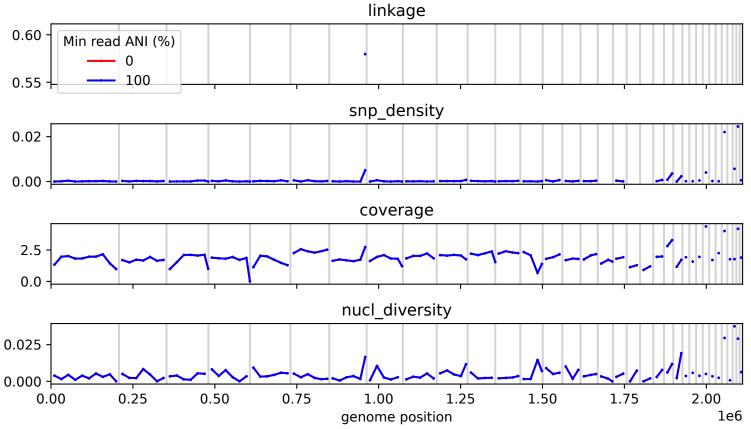


linkage 0.34 Min read ANI (%) 0.32 100 snp\_density 0.02 0.00 coverage 5.0 2.5 nucl\_diversity 0.02

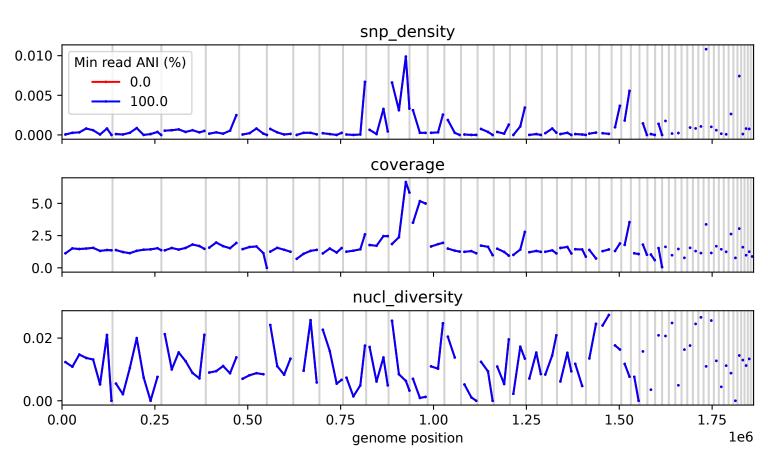
TOBG\_MED-1076.fna



TOBG\_MED-1093.fna



TOBG\_MED-1105.fna



linkage 1.0 Min read ANI (%) 0.5 100 snp density 0.02 0.00 coverage 5 nucl\_diversity 0.05 0.00

0.4

0.6

genome position

8.0

1.0

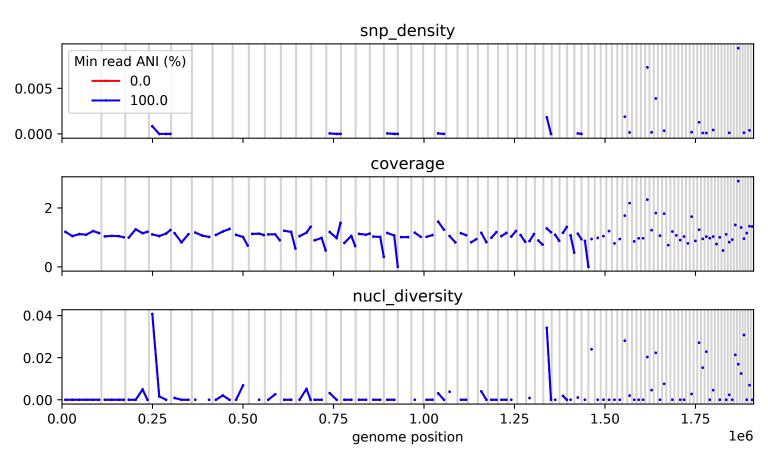
1e6

0.2

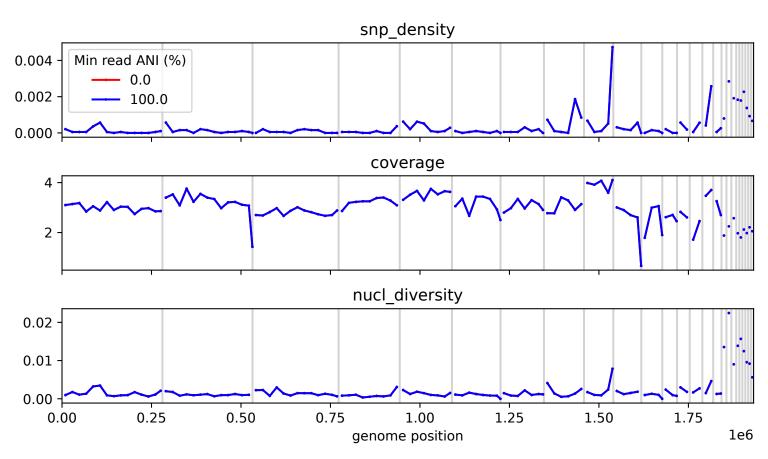
0.0

TOBG\_MED-1153.fna

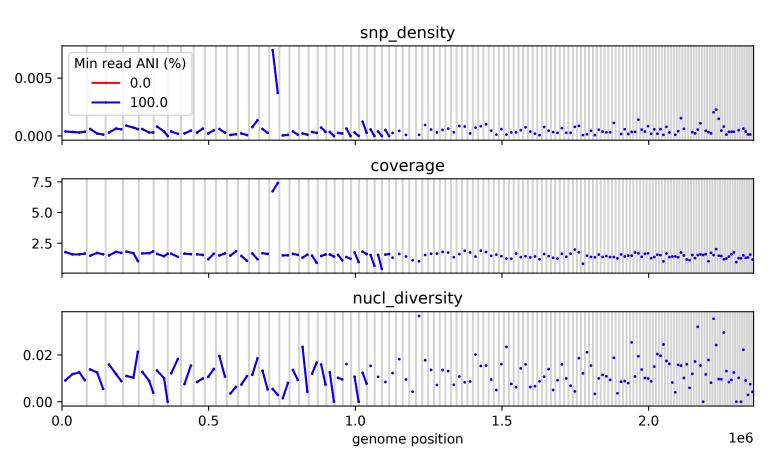
TOBG\_MED-1155.fna



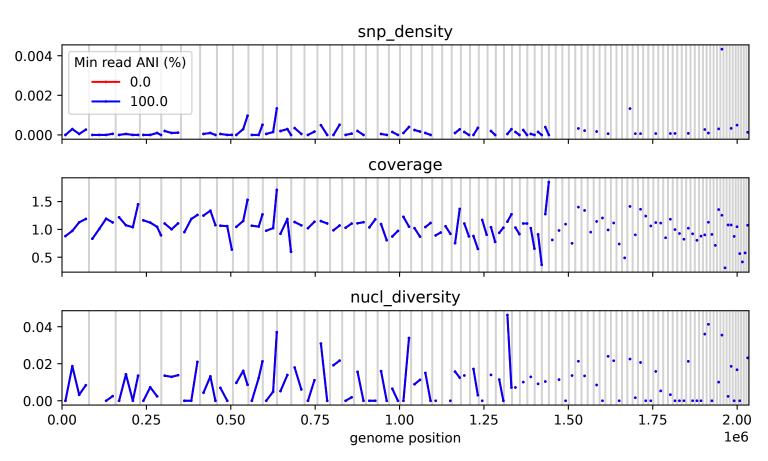
TOBG\_MED-1269.fna



TOBG\_MED-581.fna



TOBG\_MED-585.fna

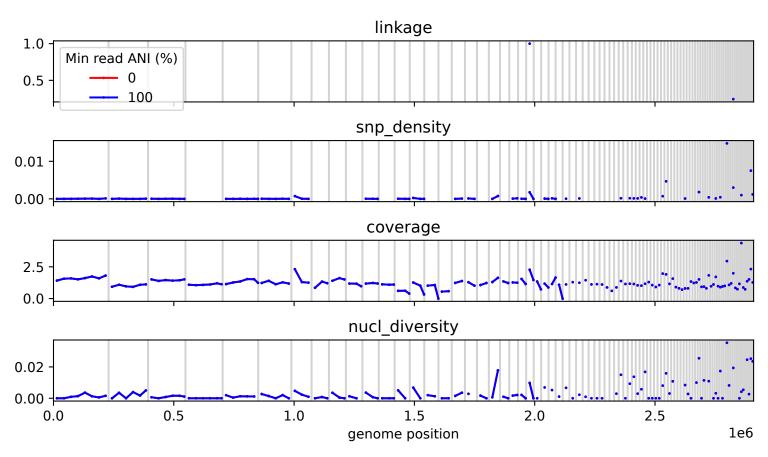


linkage Min read ANI (%) 0.2 0.1 100 snp\_density 0.0025 0.0000 coverage 2 nucl\_diversity 0.005 0.000 0.5 1.0 2.0 2.5 3.0 1.5 3.5 0.0 1e6

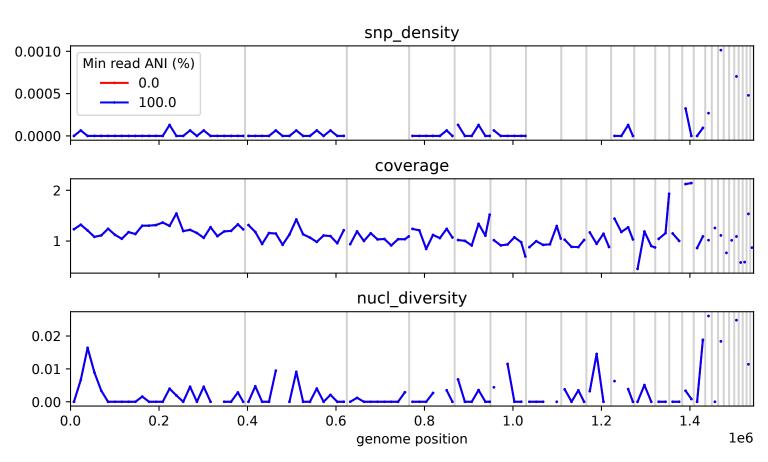
genome position

TOBG\_MED-587.fna

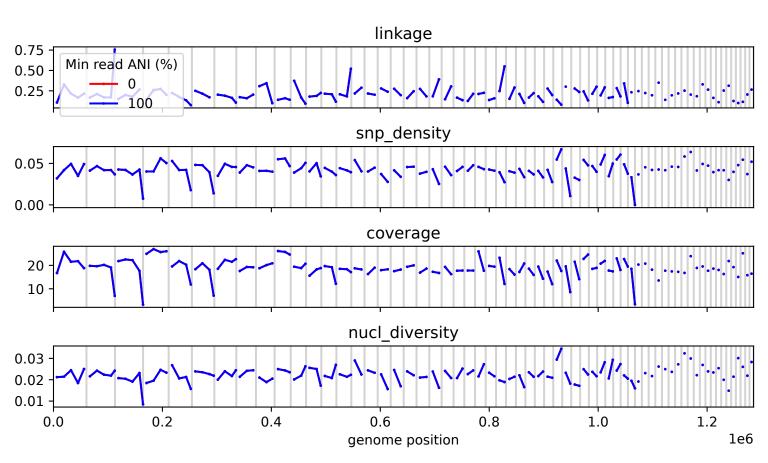
TOBG\_MED-589.fna



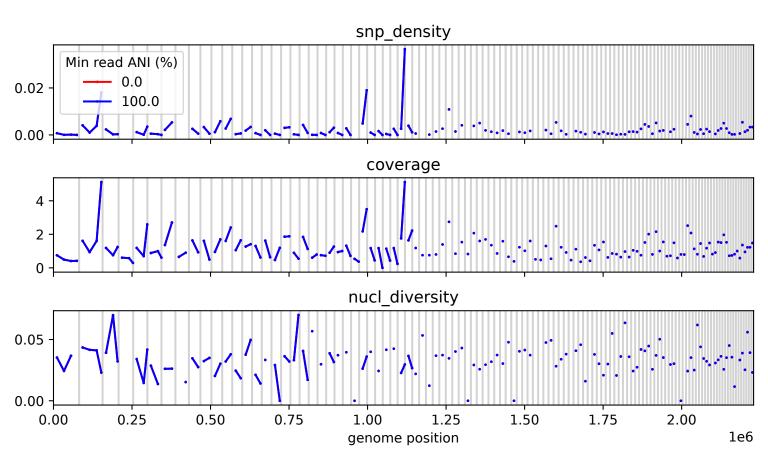
TOBG\_MED-591.fna



TOBG\_MED-630.fna



TOBG\_MED-648.fna



linkage Min read ANI (%) 0.16 0.15 100 snp\_density 0.005 -0.000 coverage 2 nucl\_diversity 0.05 0.00

0.8

genome position

1.0

1.2

1.4

1.6 1e6

0.2

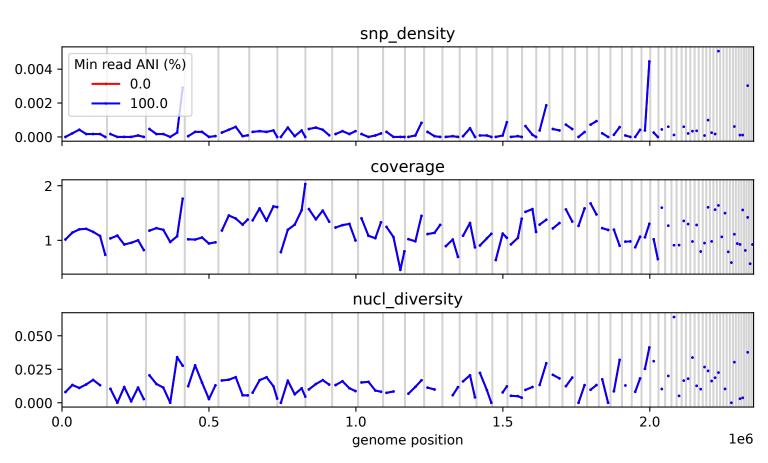
0.0

0.4

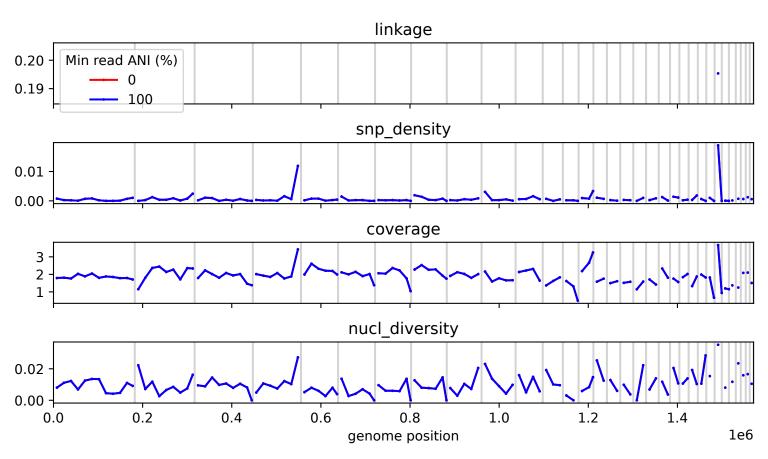
0.6

TOBG MED-666.fna

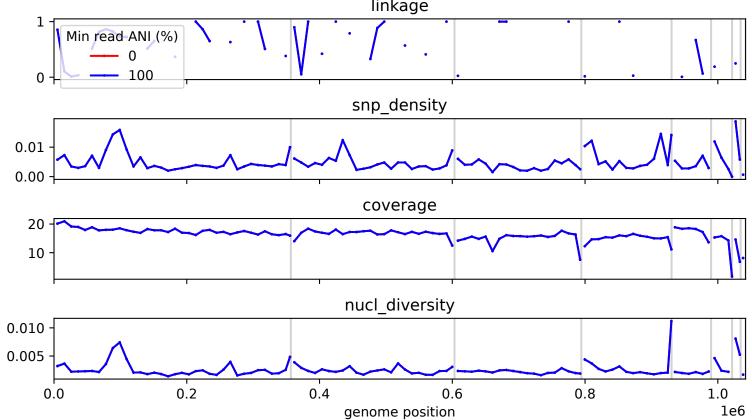
TOBG\_MED-673.fna



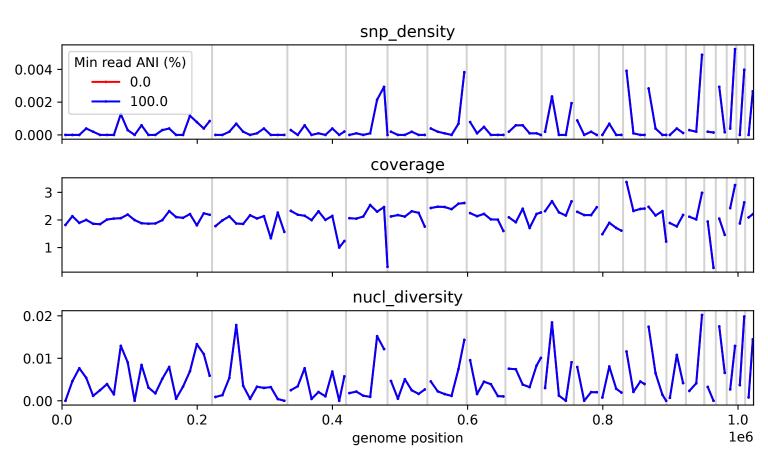
TOBG\_MED-712.fna



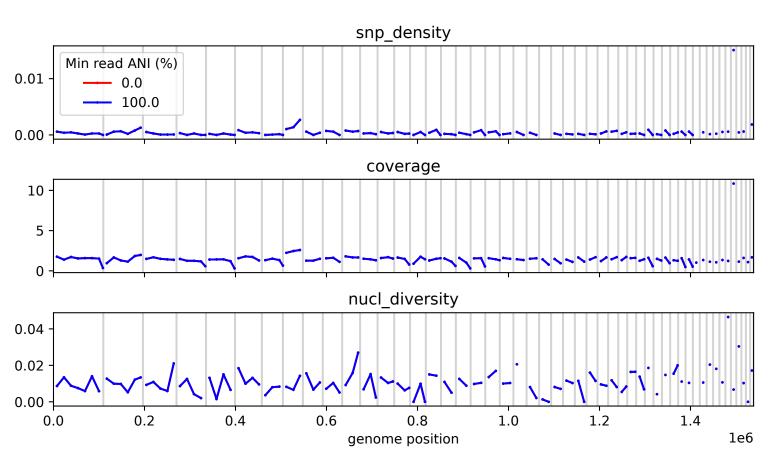
TOBG\_MED-713.fna linkage



TOBG\_MED-718.fna



TOBG\_MED-729.fna



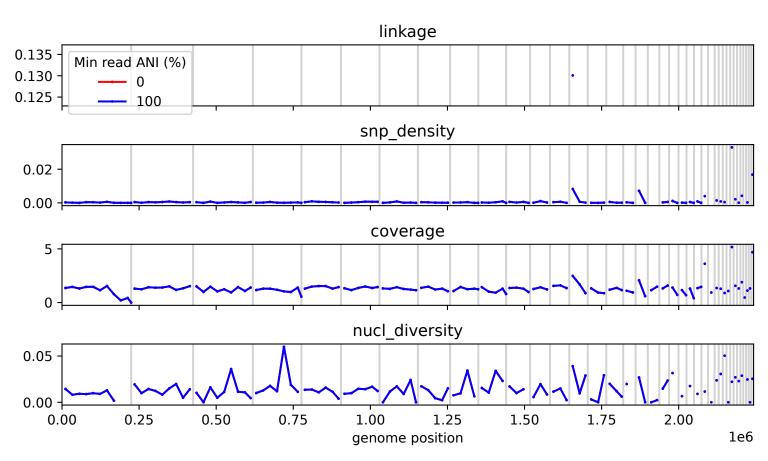
linkage Min read ANI (%) 0.085 0.080 100 snp\_density 0.02 coverage 10 5 nucl\_diversity 0.015 0.010 0.005 0.2 0.6 8.0 1.0 0.0 0.4

genome position

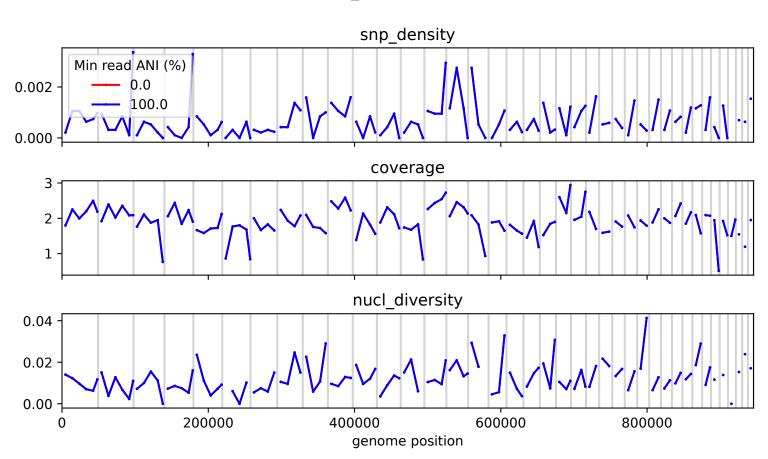
1e6

TOBG MED-731.fna

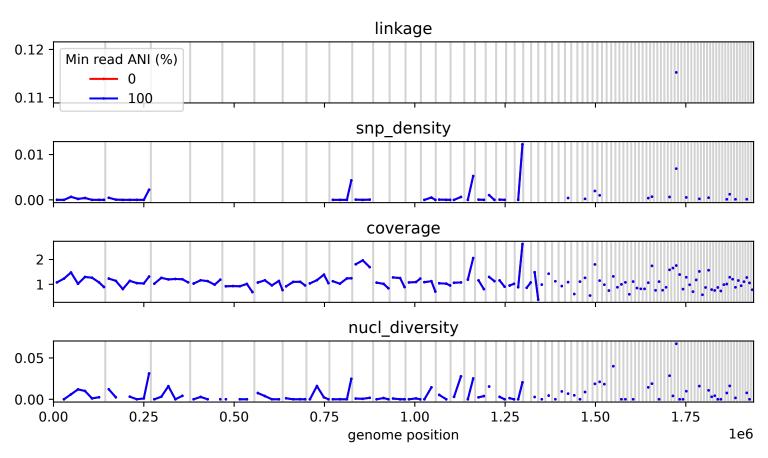
TOBG\_MED-735.fna



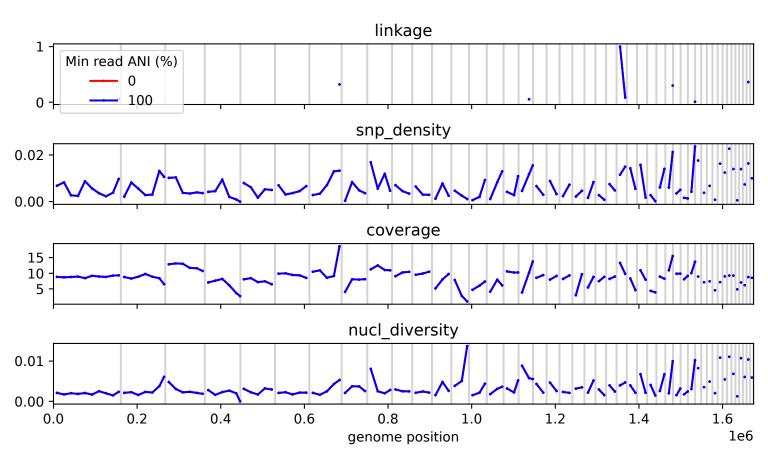
TOBG\_MED-740.fna



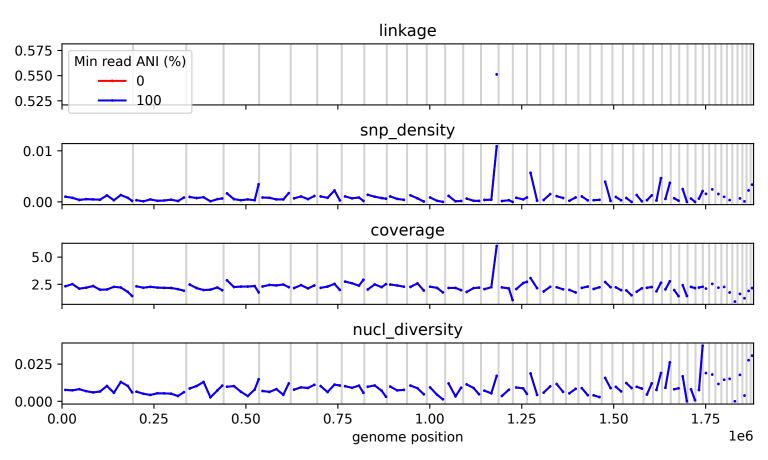
TOBG\_MED-743.fna



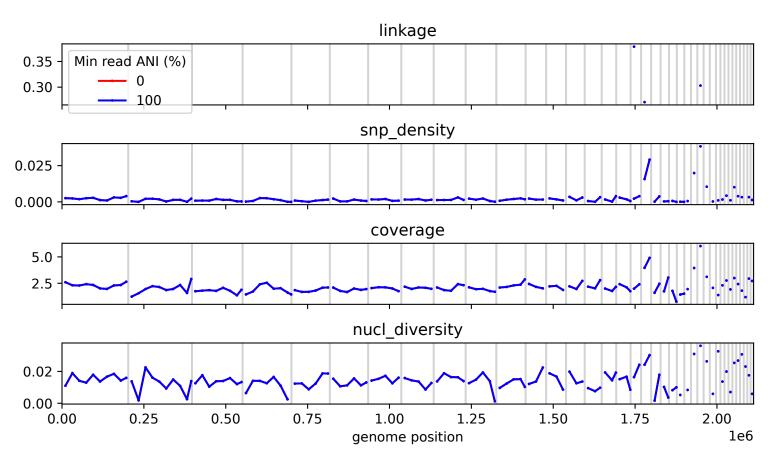
TOBG\_MED-746.fna



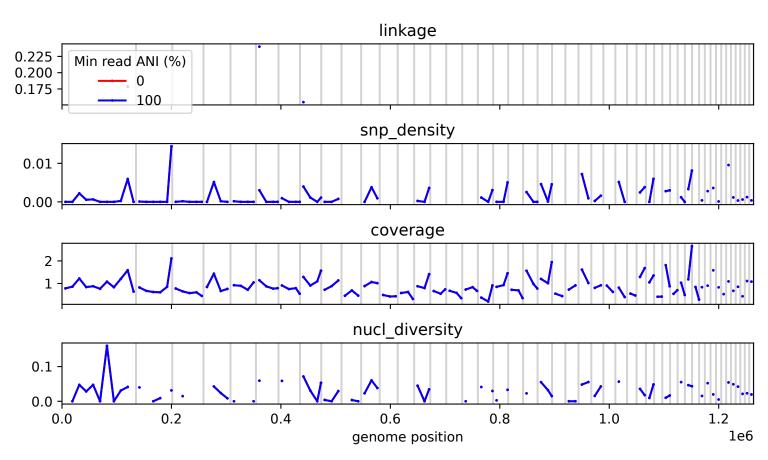
TOBG\_MED-762.fna



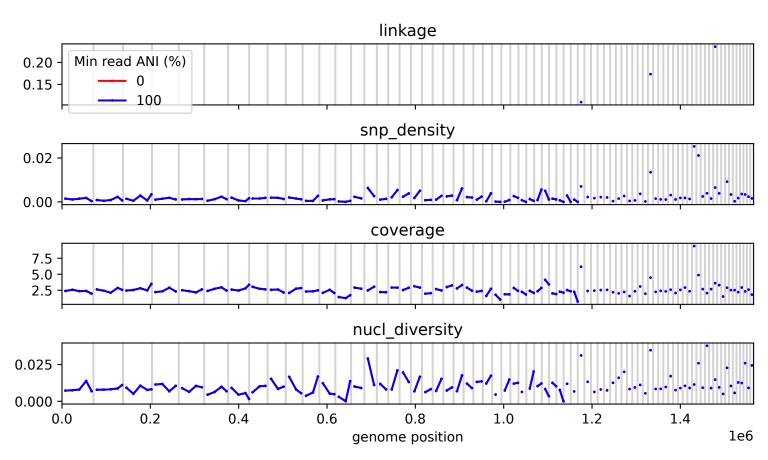
TOBG\_MED-763.fna



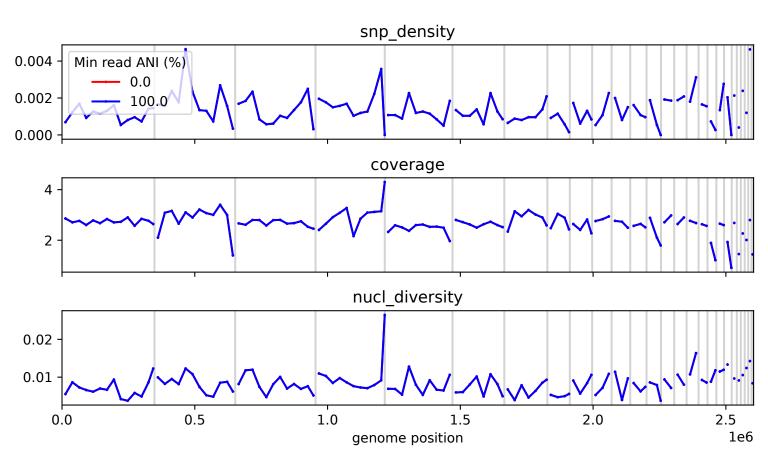
TOBG\_MED-769.fna



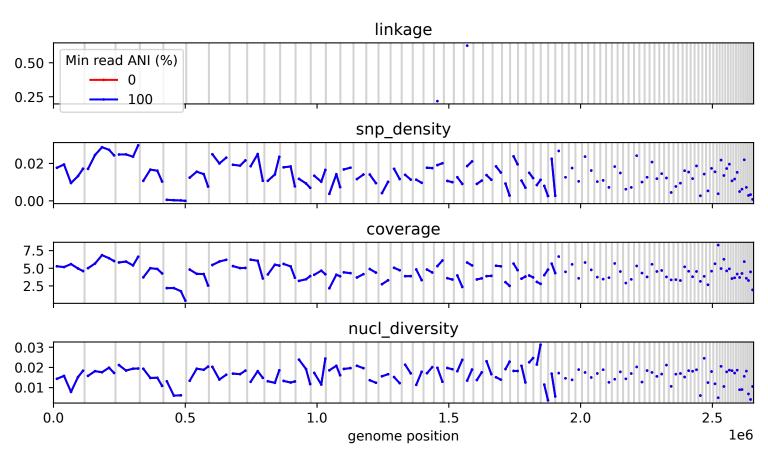
TOBG\_MED-779.fna



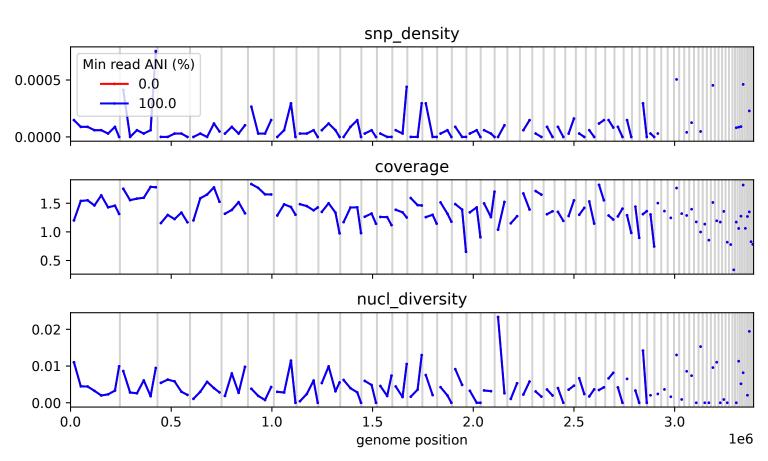
TOBG\_MED-797.fna



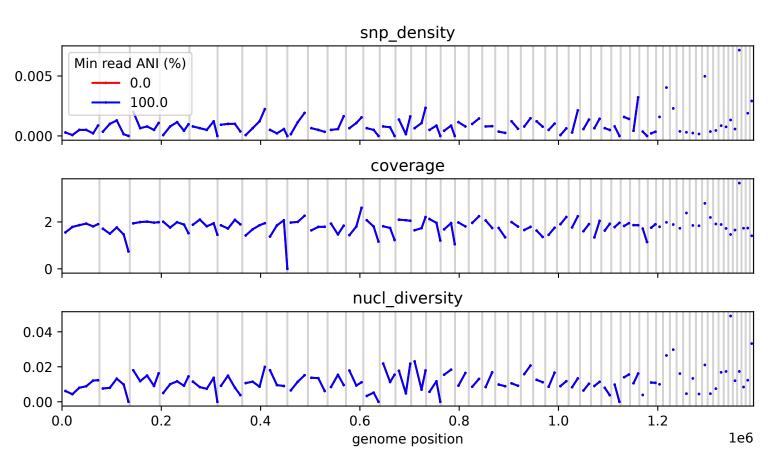
TOBG\_MED-806.fna



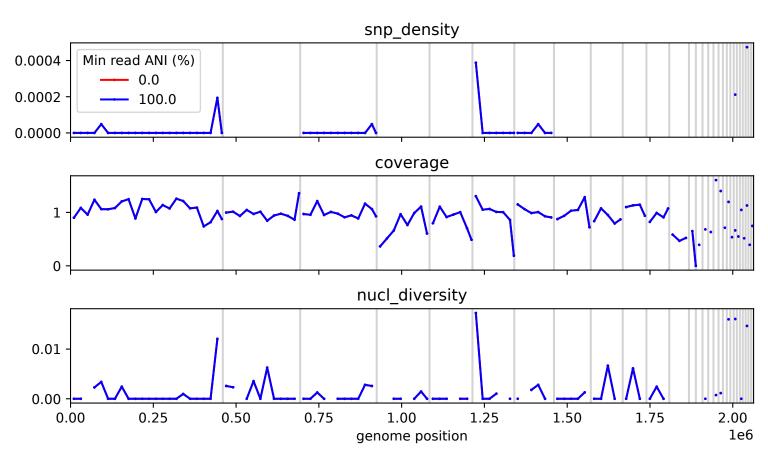
TOBG\_MED-815.fna



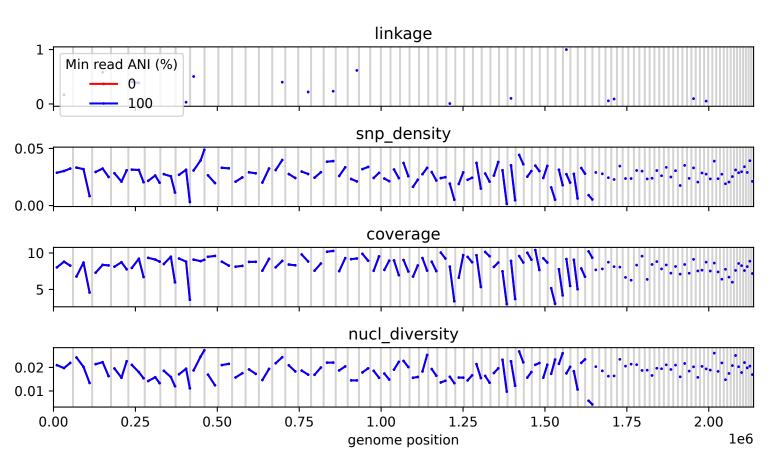
TOBG\_MED-818.fna



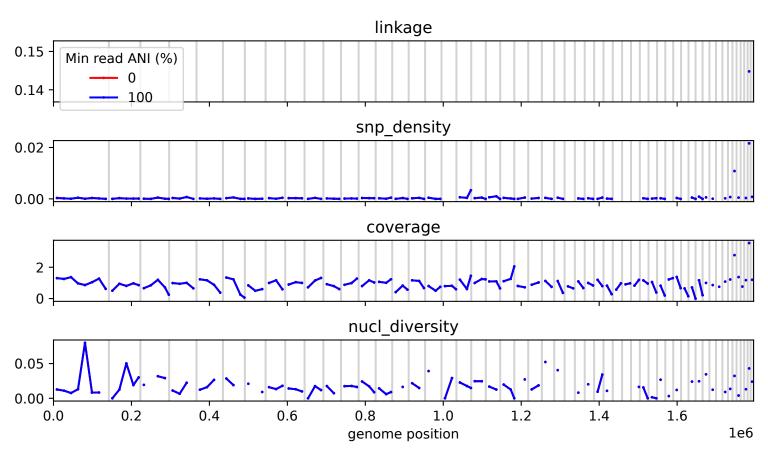
TOBG\_MED-820.fna



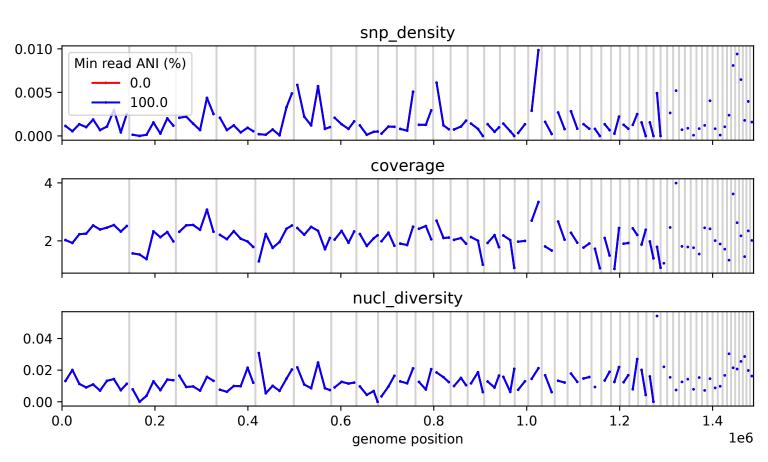
TOBG\_MED-828.fna



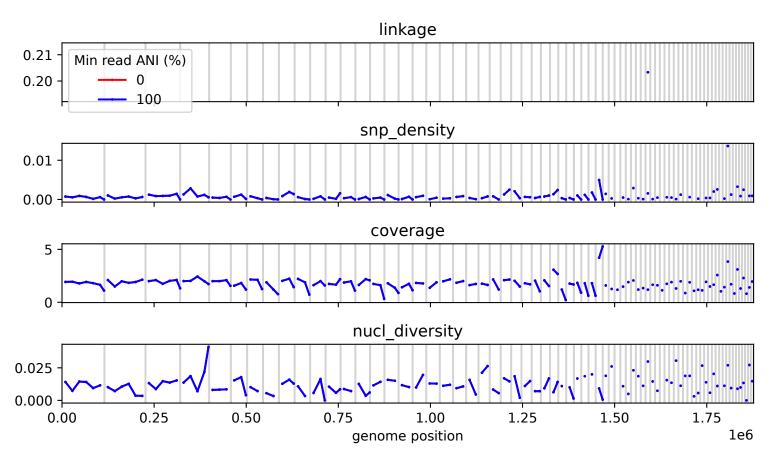
TOBG\_MED-856.fna



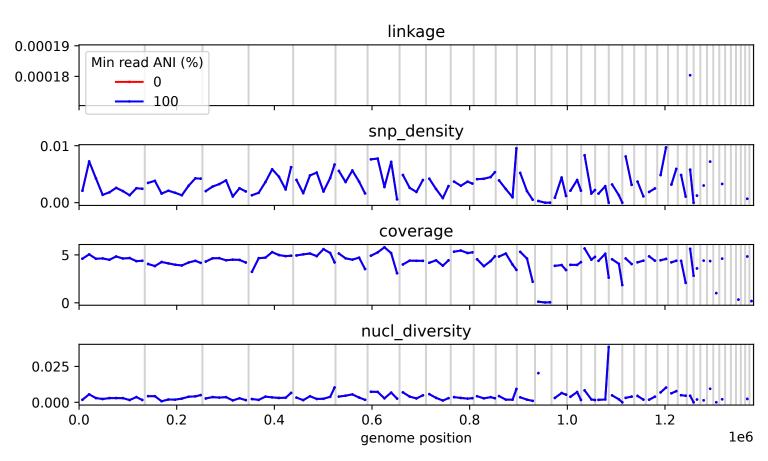
TOBG\_MED-955.fna



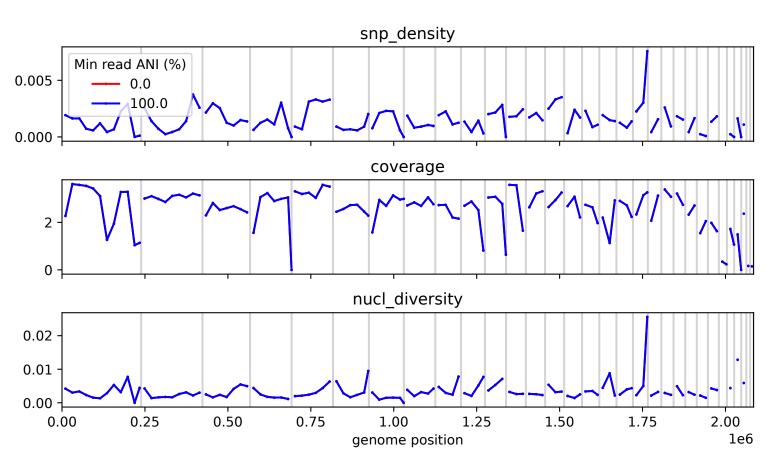
TOBG\_MED-965.fna



TOBG\_NAT-118.fna

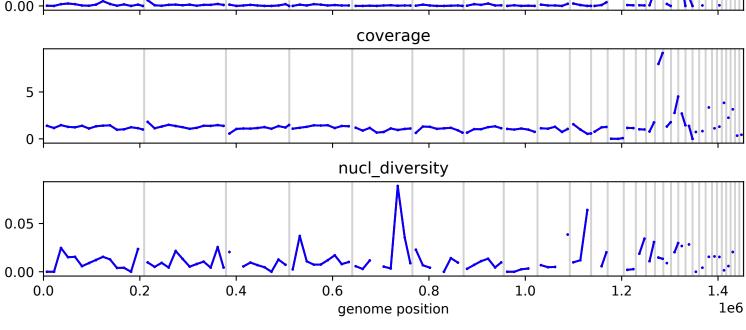


TOBG\_NAT-143.fna

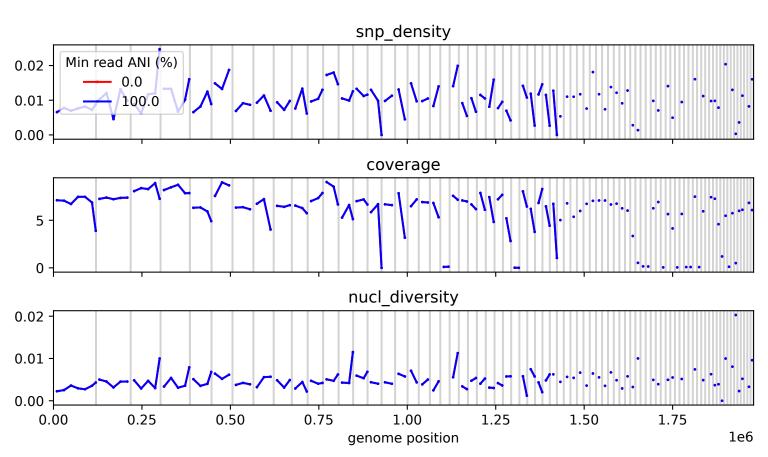


snp\_density Min read ANI (%) 0.02 0.0 100.0 0.01 0.00 coverage 5 0 nucl\_diversity 0.05 -

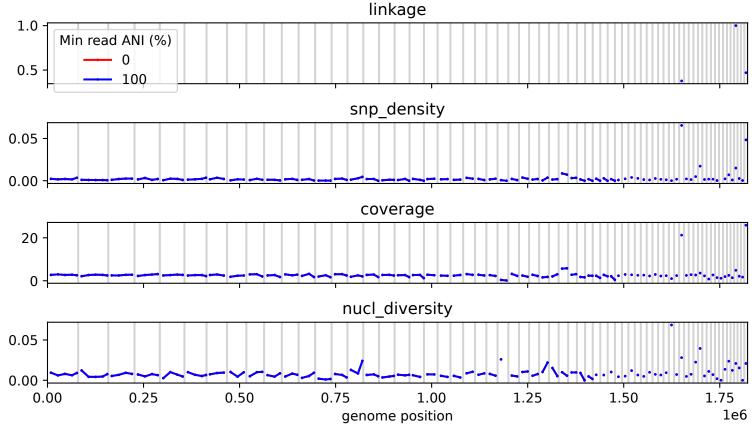
TOBG\_NAT-146.fna

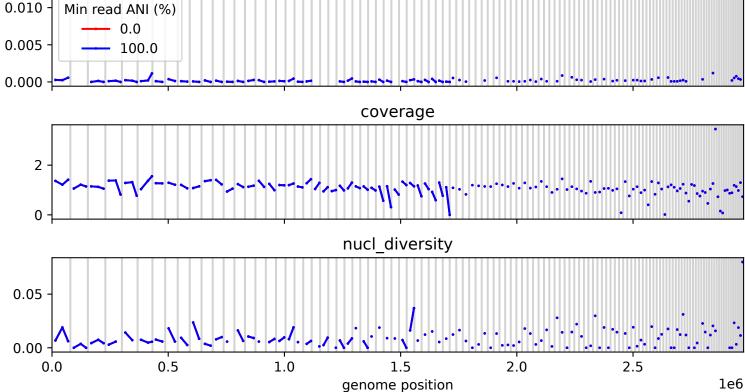


TOBG\_NAT-154.fna

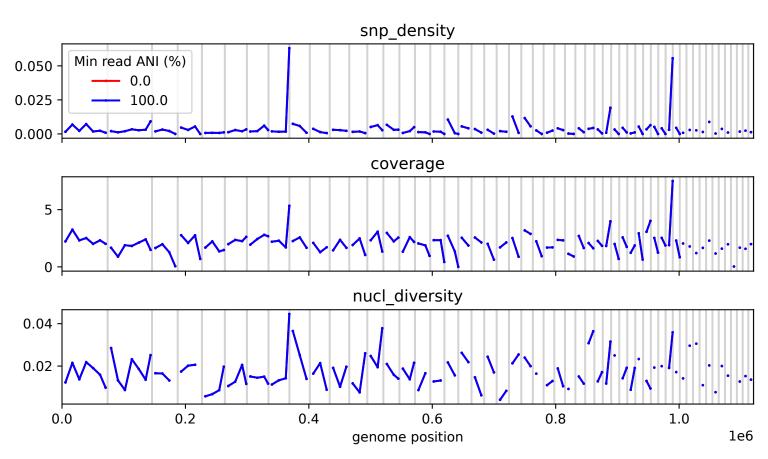


TOBG\_NAT-175.fna

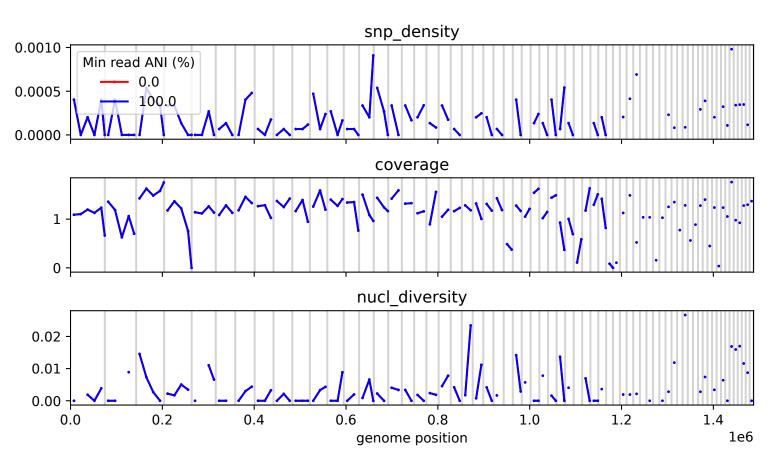




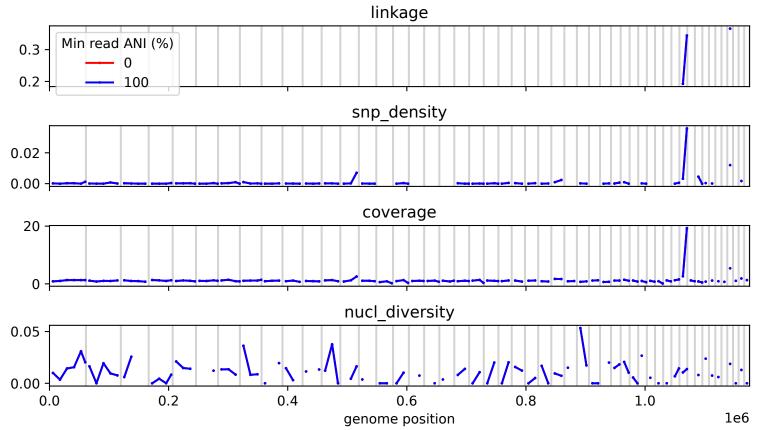
TOBG\_NAT-200.fna



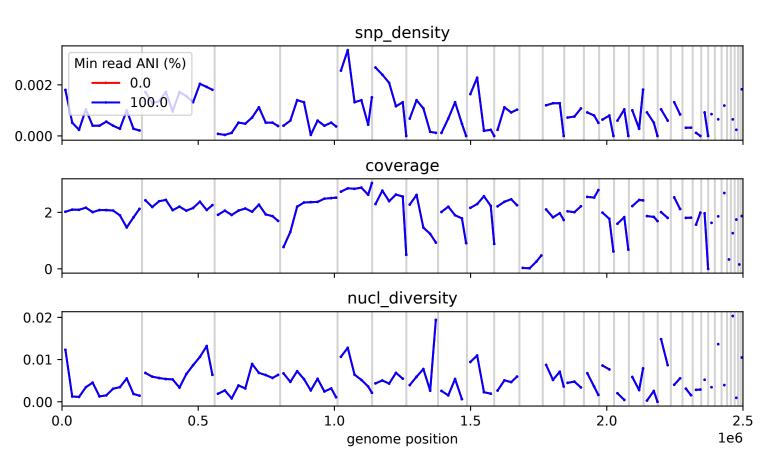
TOBG\_NAT-231.fna



TOBG\_NAT-272.fna



TOBG\_NAT-284.fna



TOBG\_NAT-39.fna linkage 0.6 Min read ANI (%) 0.4 100 snp\_density 0.02 0.00 coverage nucl\_diversity 0.02 0.00 0.5 1.0 2.0 2.5 0.0 1.5

genome position

1e6

linkage 0.145 Min read ANI (%) 0.140 0.135 100 snp\_density 0.01 coverage 5 nucl\_diversity 0.02 0.00 0.50 1.50 0.25 0.75 1.25 1.75 2.00 0.00 1.00 1e6 genome position

TOBG NAT-43.fna

TOBG\_NAT-52.fna snp\_density 0.010 Min read ANI (%) 0.0 0.005 100.0 0.000 coverage 0 nucl\_diversity 0.02 0.00

1.00

genome position

1.25

1.75

1e6

1.50

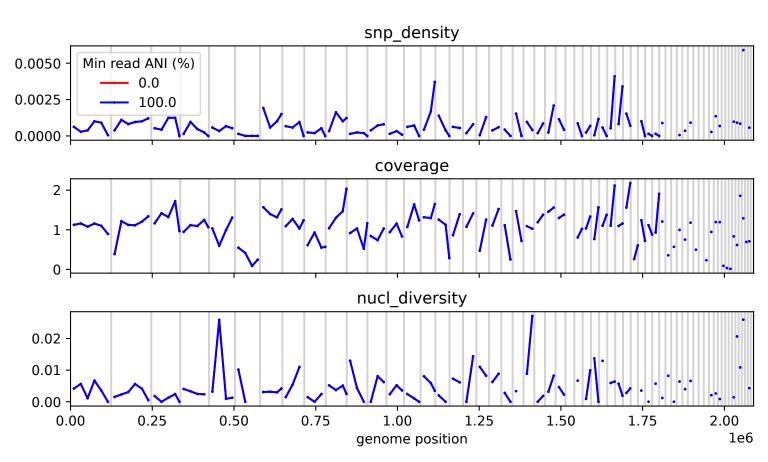
0.25

0.00

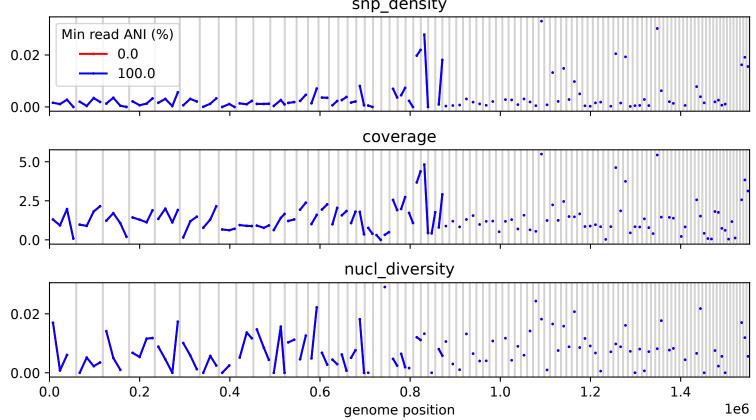
0.50

0.75

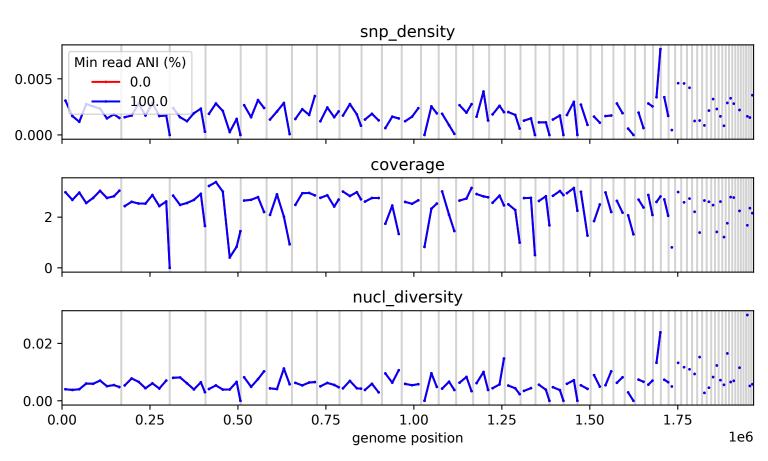
TOBG\_NAT-68.fna



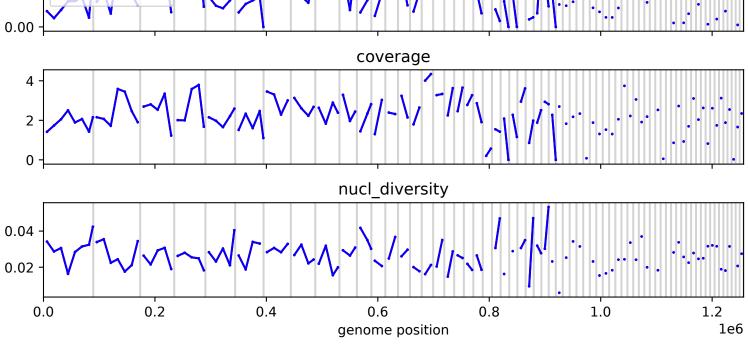
TOBG\_NP-104.fna
snp\_density



TOBG\_NP-52.fna



TOBG\_NP-944.fna snp\_density 0.02 Min read ANI (%) 0.0 0.01 100.0 0.00 coverage 0 nucl\_diversity



TOBG\_NP-970.fna snp\_density Min read ANI (%) 0.002 0.0 100.0 0.000 coverage 2 0 nucl diversity 0.05 -0.00 0.5 2.0

1.5

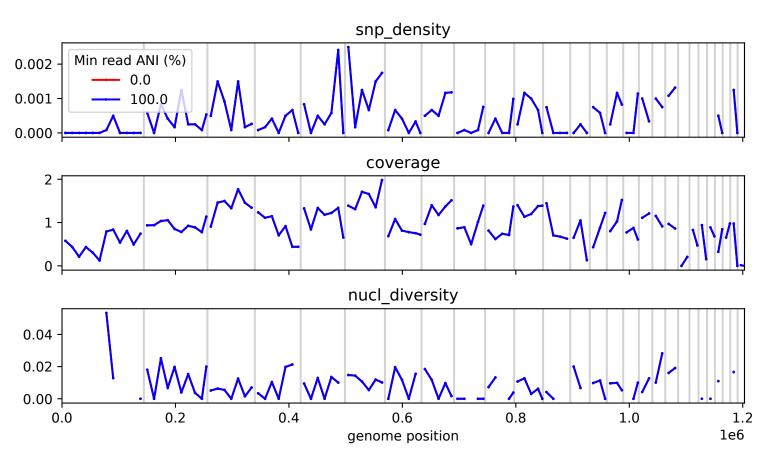
genome position

2.5 1e6

1.0

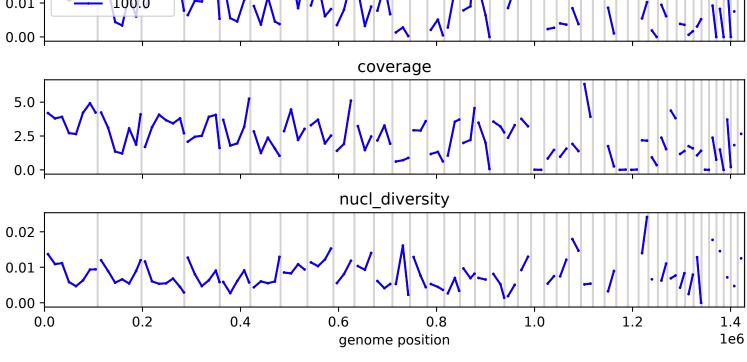
0.0

TOBG\_SAT-2619.fna



snp\_density Min read ANI (%) 0.02 0.01 100.0 0.00 coverage 5.0 2.5 0.0

TOBG SP-2983.fna



snp\_density 0.0010 Min read ANI (%) 0.0 0.0005 100.0 0.0000 coverage 1.5 1.0 0.5 nucl diversity 0.02 0.01 0.00

1.5

genome position

1.0

2.0

2.5

1e6

0.5

0.0

TOBG\_SP-30.fna