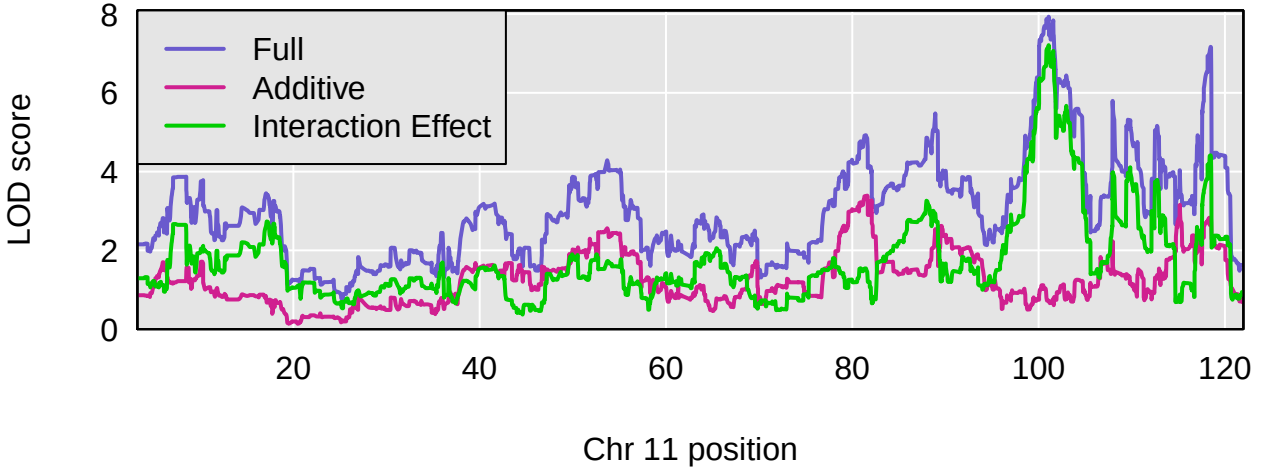
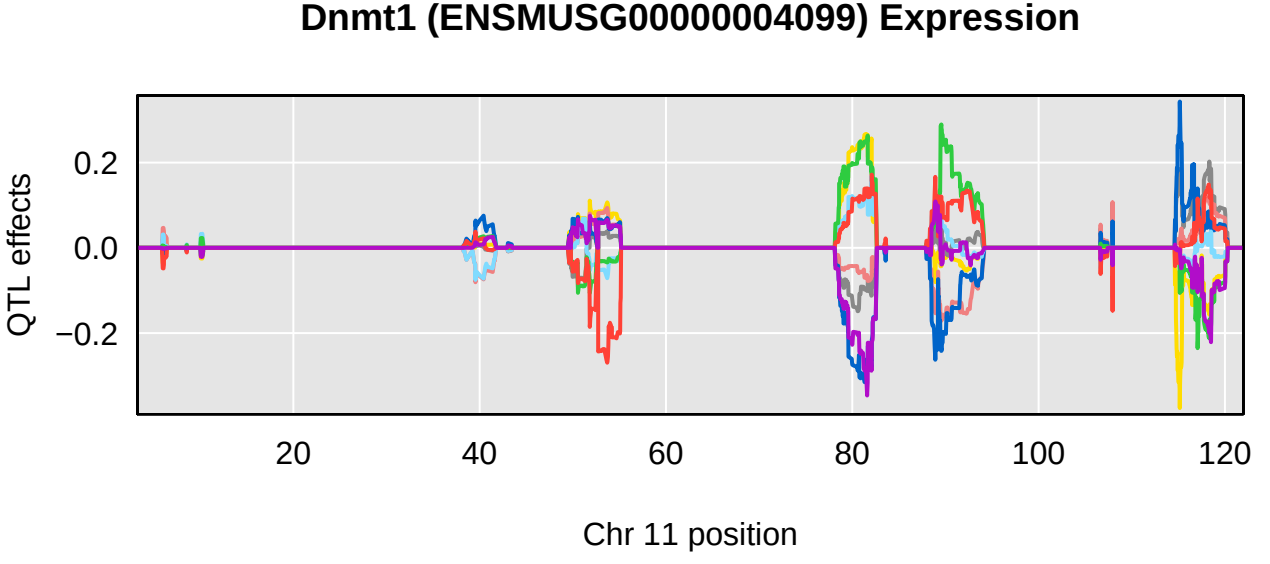
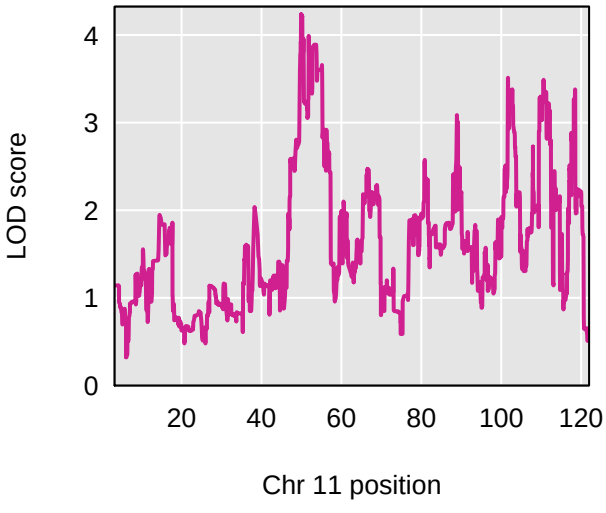
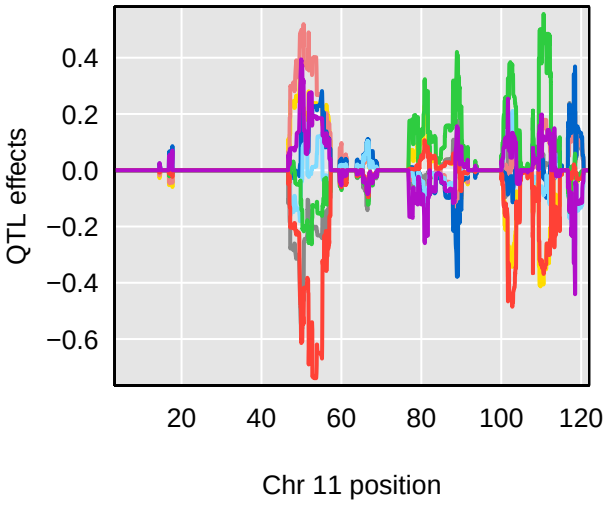
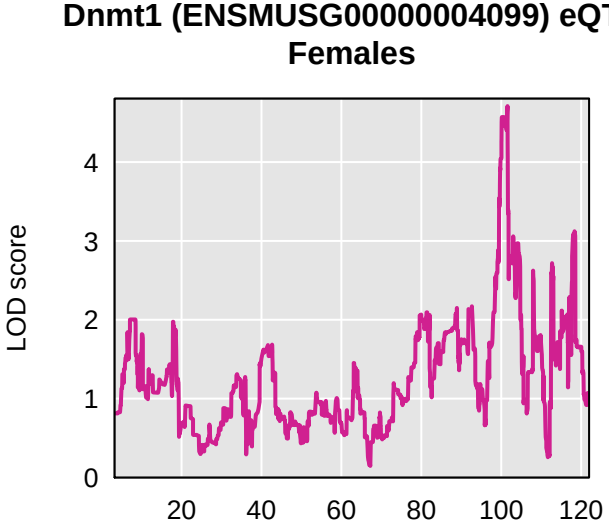
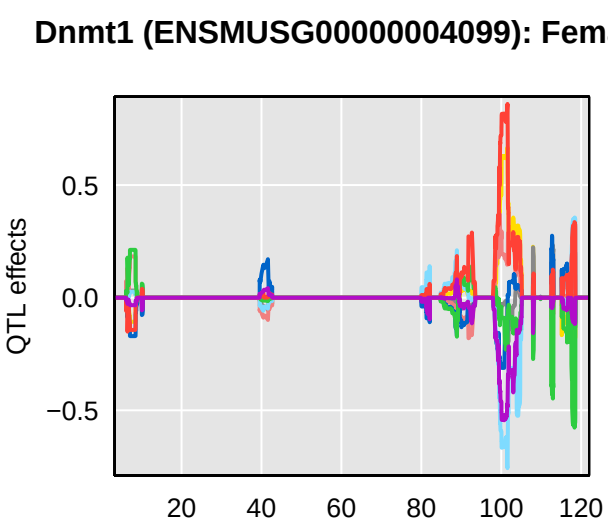

Dnmt1 (ENSMUSG00000004099) eQTL
Interactive Covariate = Sex
LOD score
8
6
4
2
0
Full
Additive
Interaction Effect
20
40
60
80
100
120
Chr 11 position

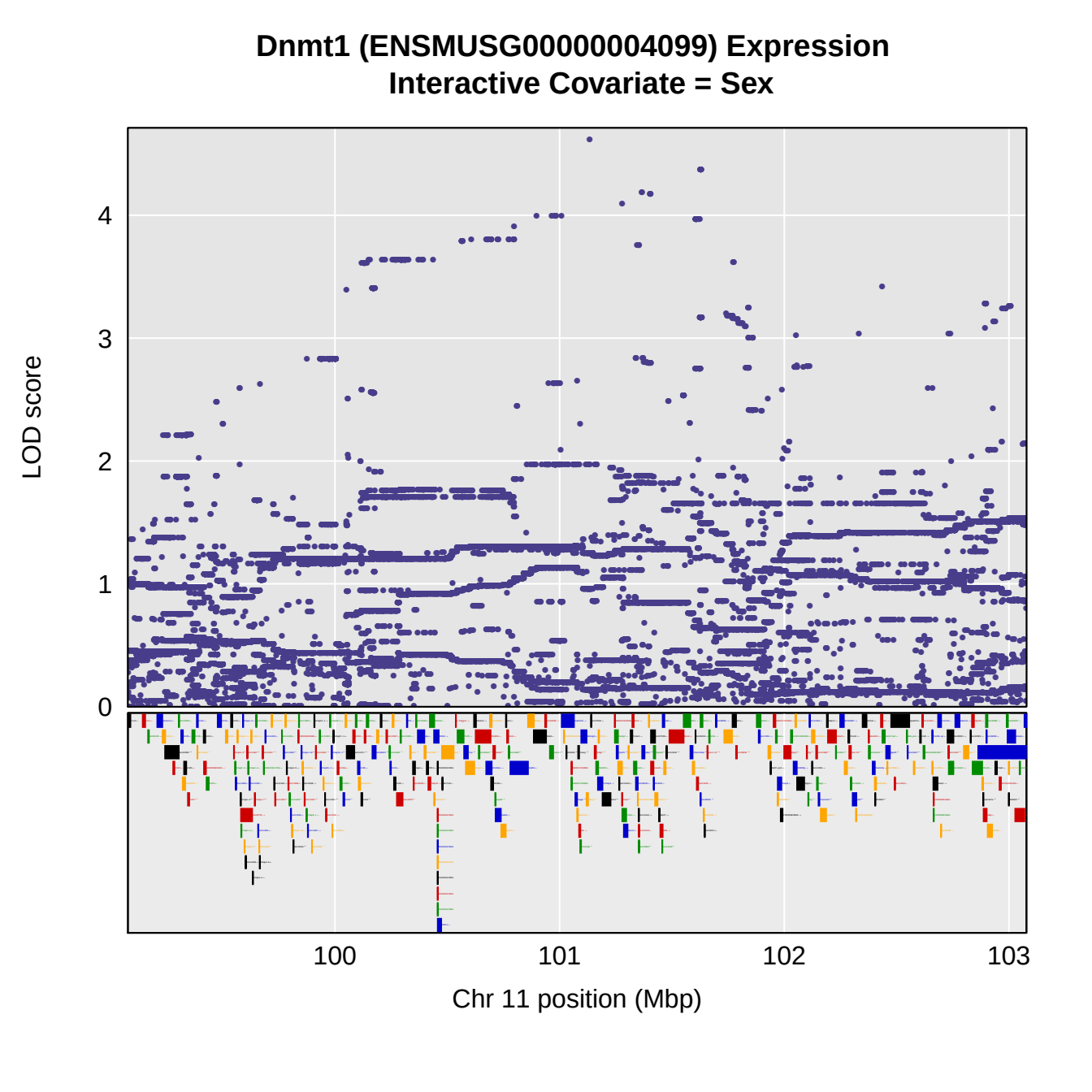

Dnmt1 (ENSMUSG00000004099) Expression
QTL effects
0.2
0.0
−0.2
20
40
60
80
100
120
Chr 11 position

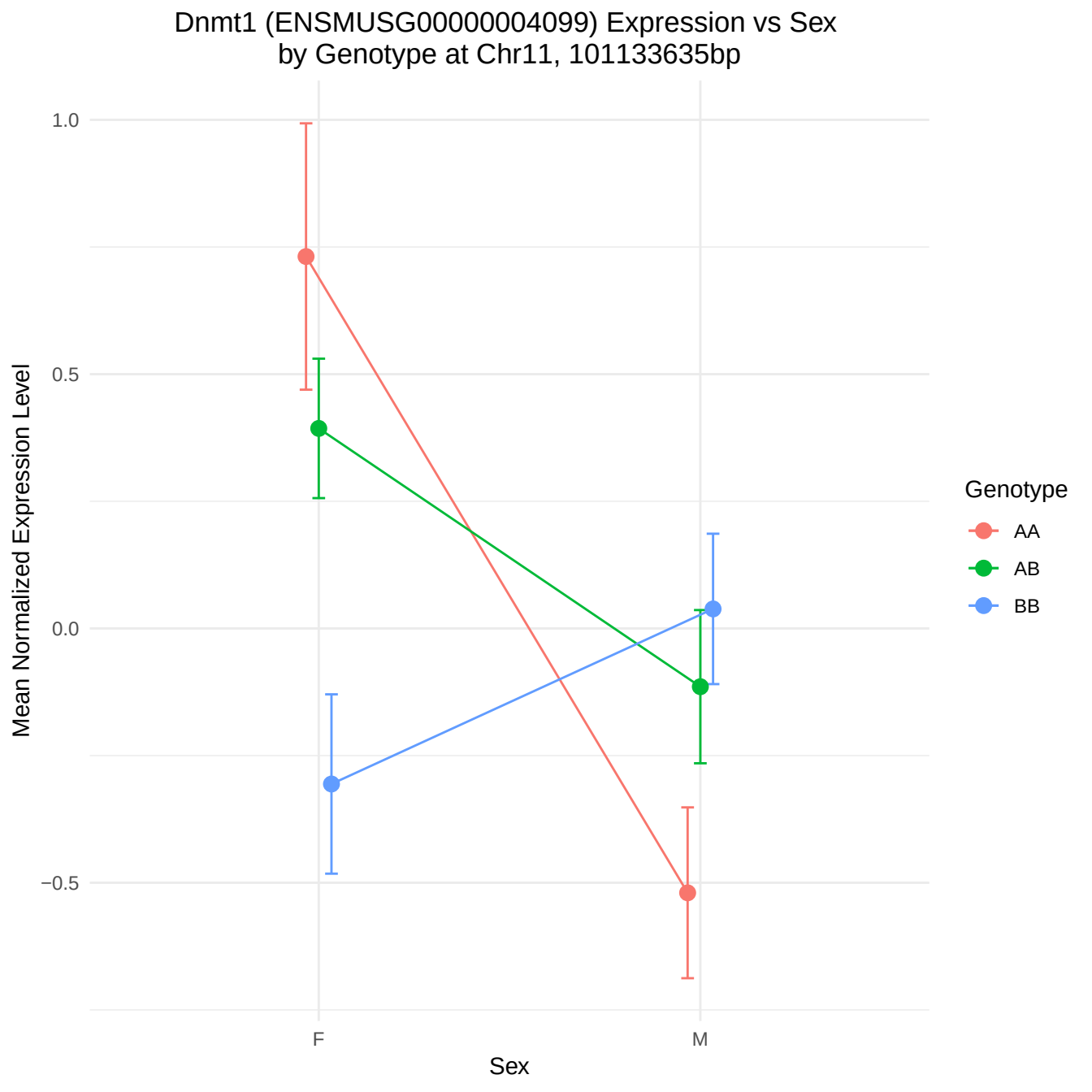

Dnmt1 (ENSMUSG00000004099) eQTL
Males
LOD score
0
1
2
3
4
20
40
60
80
100
120
Chr 11 position


Dnmt1 (ENSMUSG00000004099): Males
QTL effects
0.4
0.2
0.0
−0.2
−0.4
−0.6
20
40
60
80
100
120
Chr 11 position


Dnmt1 (ENSMUSG00000004099) eQTL
Females
LOD score
0
1
2
3
4
20
40
60
80
100
120
Chr 11 position


Dnmt1 (ENSMUSG00000004099): Females
QTL effects
0.5
0.0
−0.5
20
40
60
80
100
120
Chr 11 position


Dnmt1 (ENSMUSG00000004099) Expression
Interactive Covariate = Sex
LOD score
0
1
2
3
4
100
101
102
103
Chr 11 position (Mbp)


Dnmt1 (ENSMUSG00000004099) Expression vs Sex
by Genotype at Chr11, 101133635bp
Mean Normalized Expression Level
1.0
0.5
0.0
−0.5
F
M
Sex
Genotype
AA
AB
BB