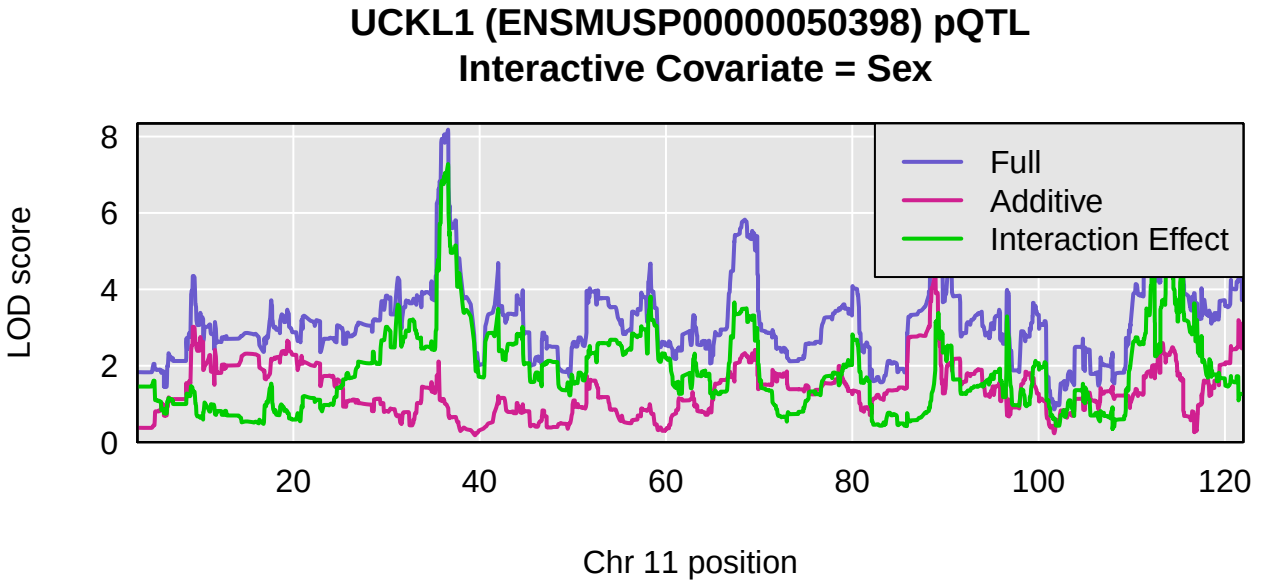
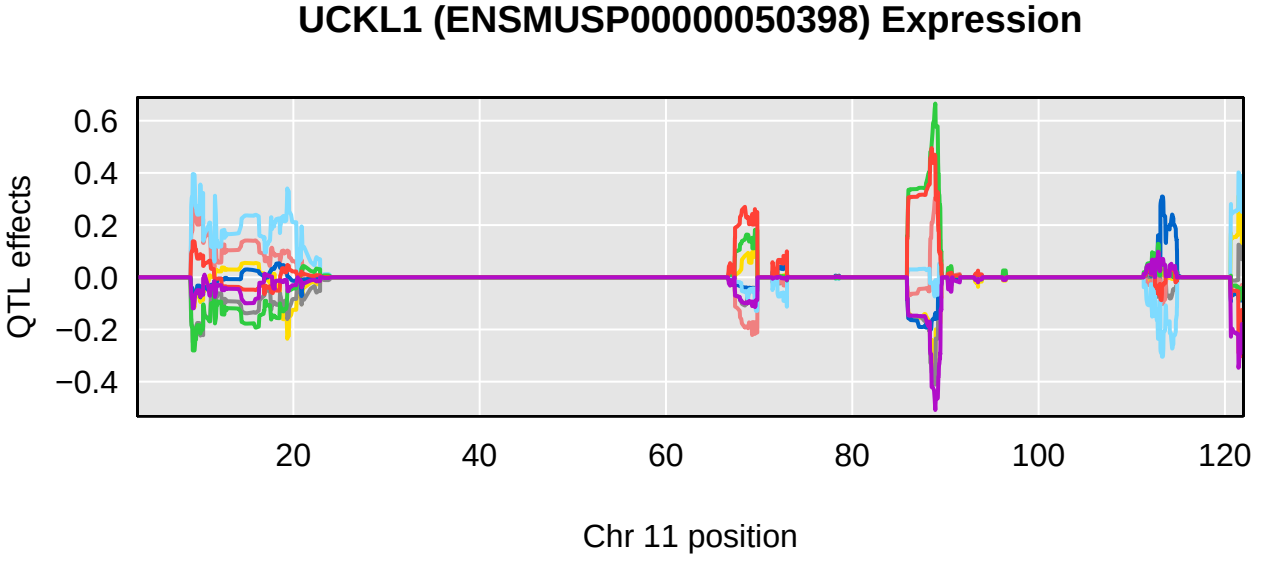
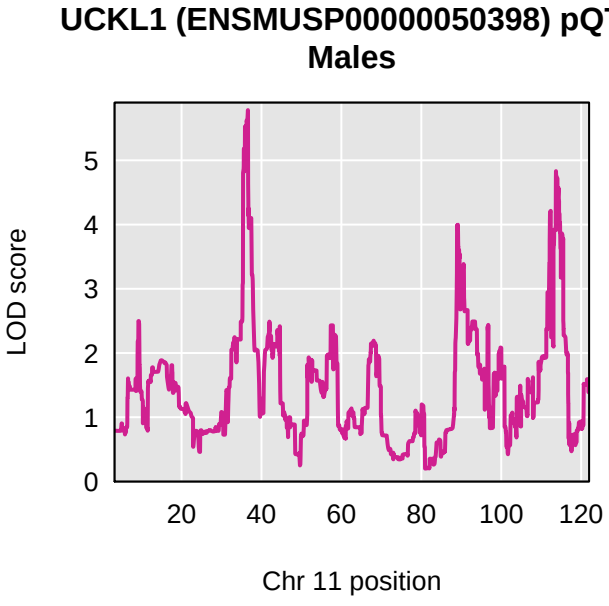
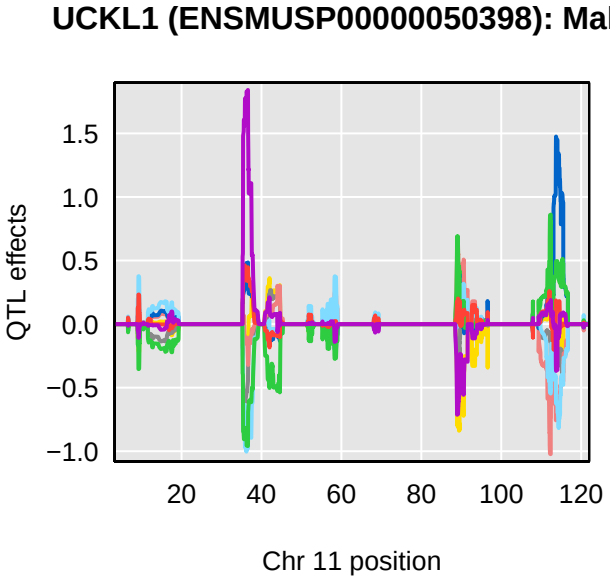
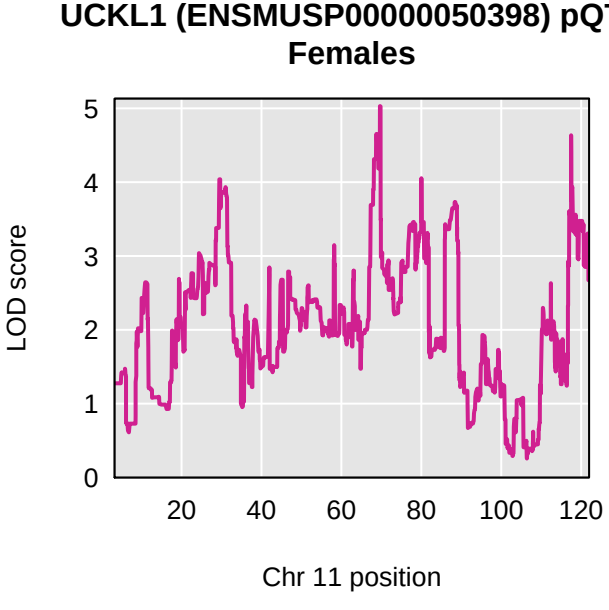
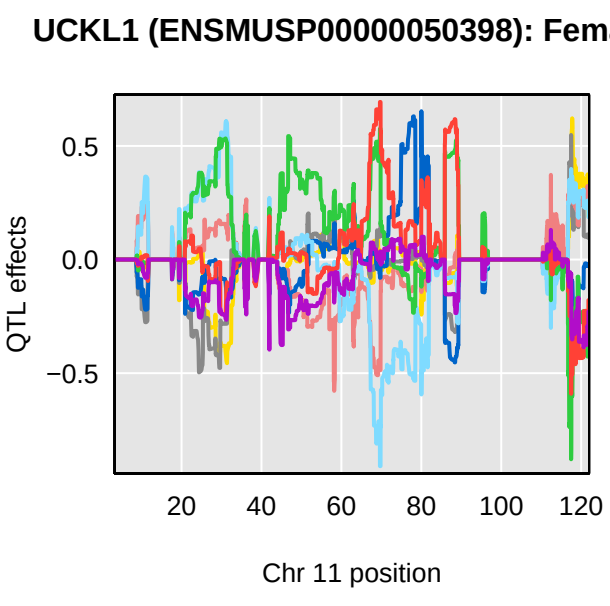

UCKL1 (ENSMUSP00000050398) pQTL
Interactive Covariate = Sex
LOD score
8
6
4
2
0
20
40
60
80
100
120
Chr 11 position
Full
Additive
Interaction Effect

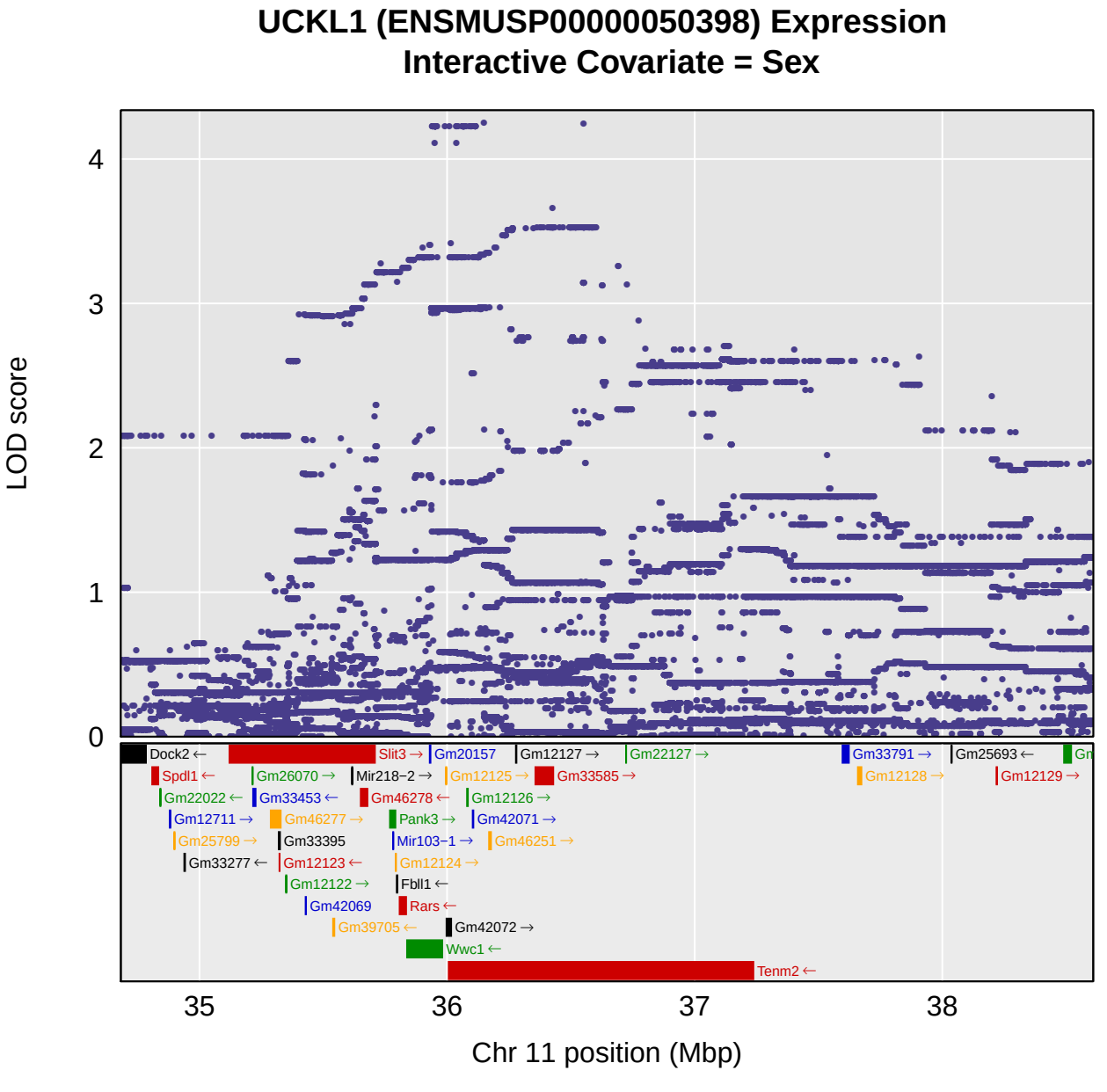

UCKL1 (ENSMUSP00000050398) Expression
QTL effects
0.6
0.4
0.2
0.0
−0.2
−0.4
20
40
60
80
100
120
Chr 11 position

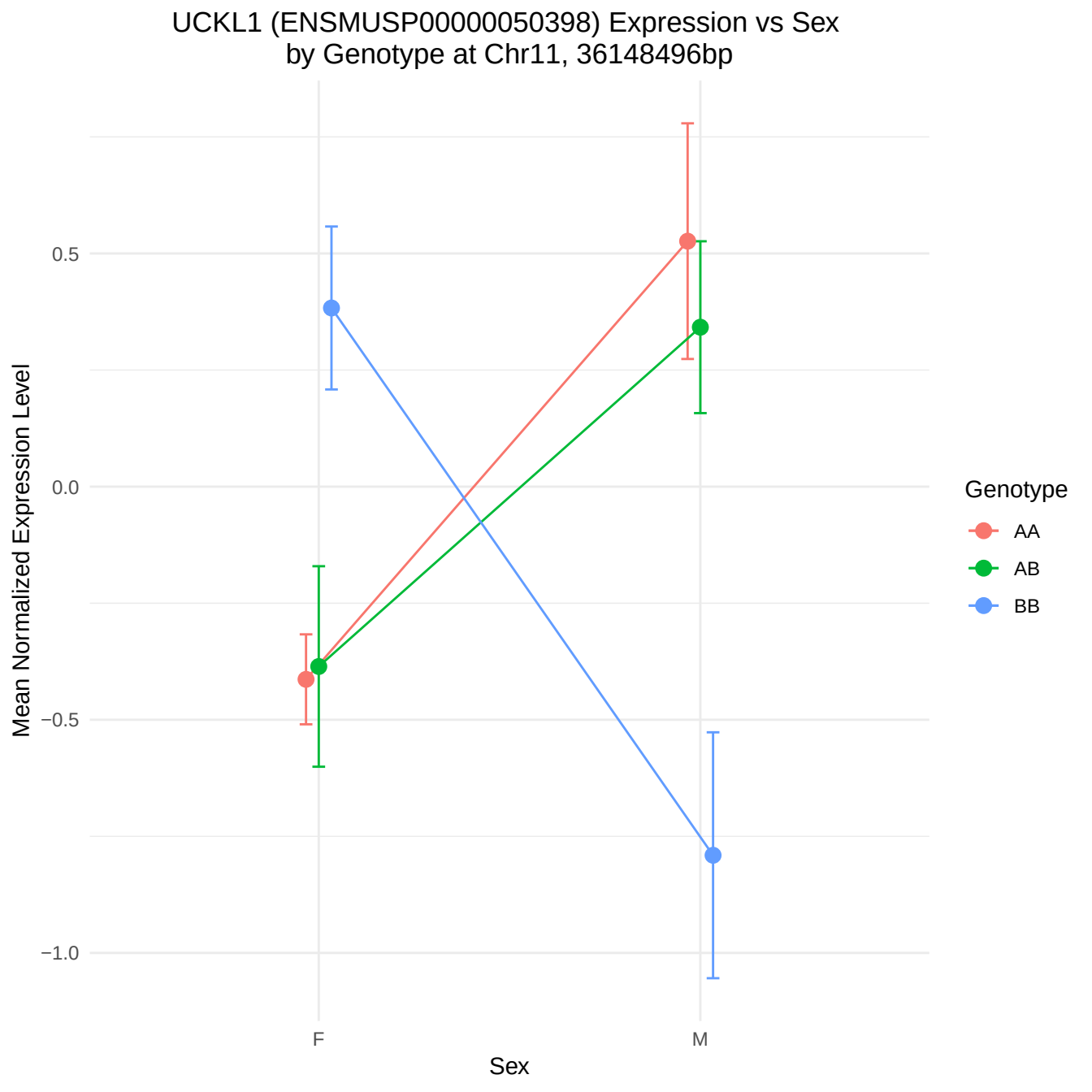

UCKL1 (ENSMUSP00000050398) pQTL
Males
LOD score
0
1
2
3
4
5
20
40
60
80
100
120
Chr 11 position

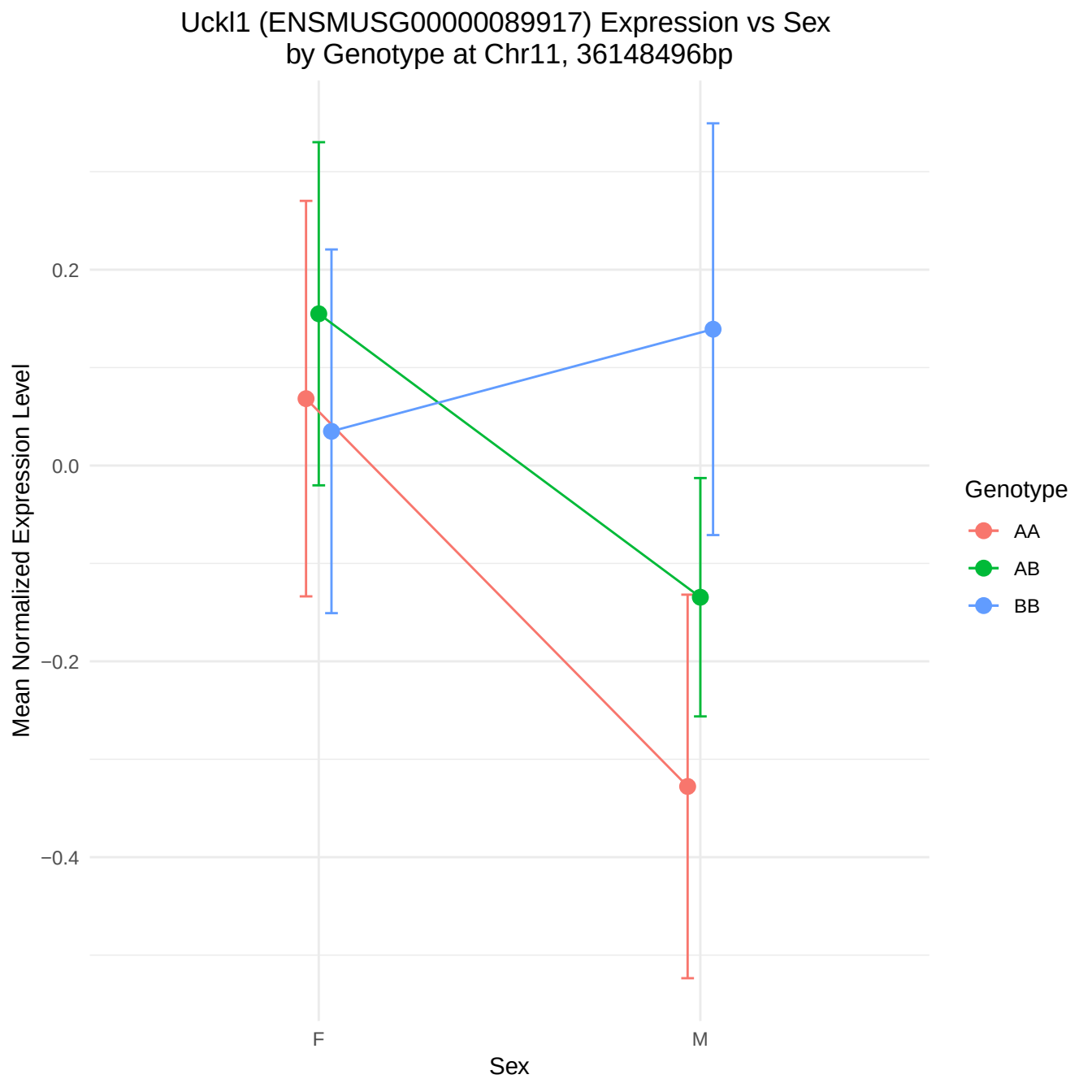

UCKL1 (ENSMUSP00000050398): Males
QTL effects
−1.0
−0.5
0.0
0.5
1.0
1.5
20
40
60
80
100
120
Chr 11 position

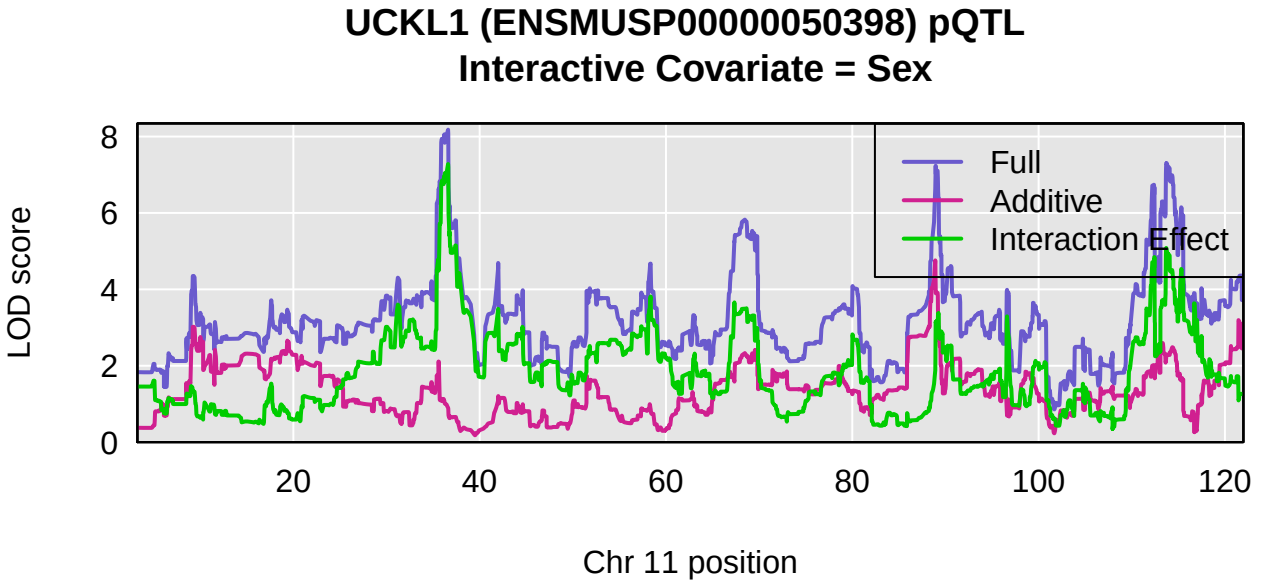

UCKL1 (ENSMUSP00000050398) pQTL
Females
LOD score
0
1
2
3
4
5
20
40
60
80
100
120
Chr 11 position

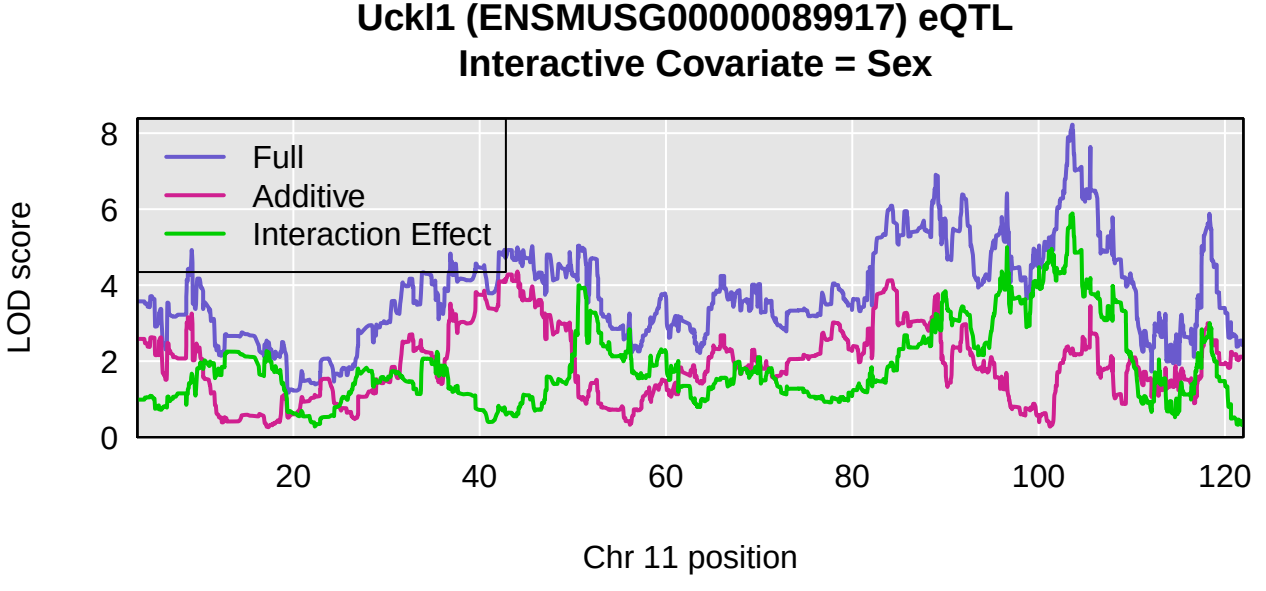

UCKL1 (ENSMUSP00000050398): Females
QTL effects
−0.5
0.0
0.5
20
40
60
80
100
120
Chr 11 position


UCKL1 (ENSMUSP00000050398) Expression
Interactive Covariate = Sex
LOD score
0
1
2
3
4
Dock2 ←
Slit3 →
Gm20157
Gm12127 →
Gm22127 →
Gm33791 →
Gm25693 ←
Spdl1 ←
Gm26070 →
Mir218−2 →
Gm12125 →
Gm33585 →
Gm12128 →
Gm12129 →
Gm22022 ←
Gm33453 ←
Gm46278 ←
Gm12126 →
Gm12711 →
Gm46277 →
Pank3 →
Gm42071 →
Gm25799 →
Gm33395
Mir103−1 →
Gm46251 →
Gm33277 ←
Gm12123 ←
Gm12124 →
Gm12122 →
Fbll1 ←
Gm42069
Rars ←
Gm39705 ←
Gm42072 →
Wwc1 ←
Tenm2 ←
35
36
37
38
Chr 11 position (Mbp)


UCKL1 (ENSMUSP00000050398) Expression vs Sex
by Genotype at Chr11, 36148496bp
Mean Normalized Expression Level
0.5
0.0
−0.5
−1.0
F
M
Sex
Genotype
AA
AB
BB


Uckl1 (ENSMUSG00000089917) Expression vs Sex
by Genotype at Chr11, 36148496bp
Mean Normalized Expression Level
0.2
0.0
−0.2
−0.4
F
M
Sex
Genotype
AA
AB
BB


UCKL1 (ENSMUSP00000050398) pQTL
Interactive Covariate = Sex
LOD score
8
6
4
2
0
20
40
60
80
100
120
Chr 11 position
Full
Additive
Interaction Effect


Uckl1 (ENSMUSG00000089917) eQTL
Interactive Covariate = Sex
LOD score
8
6
4
2
0
20
40
60
80
100
120
Chr 11 position
Full
Additive
Interaction Effect