**MCAM (ENSMUSP00000034650) pQTL**
**Interactive Covariate = Sex**

Full
Additive
Interaction Effect

LOD score

Chr 12 position

**MCAM (ENSMUSP00000034650) Expression**

QTL effects

Chr 12 position

**MCAM (ENSMUSP00000034650) pQTL Males**

LOD score

Chr 12 position

**MCAM (ENSMUSP00000034650): Males**

QTL effects

Chr 12 position

**MCAM (ENSMUSP00000034650) pQTL Females**

LOD score

Chr 12 position
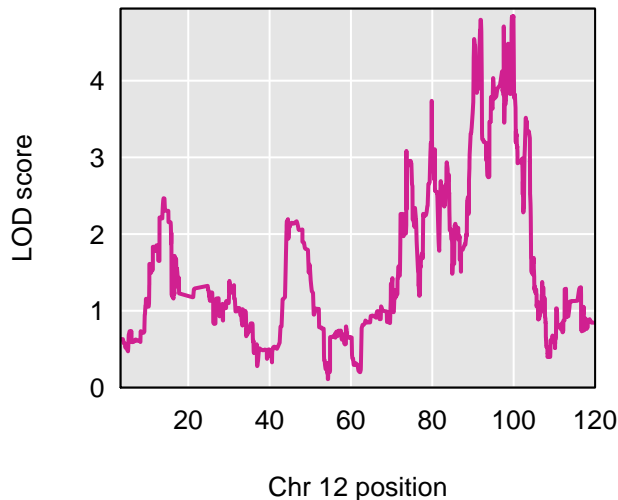
**MCAM (ENSMUSP00000034650): Females**
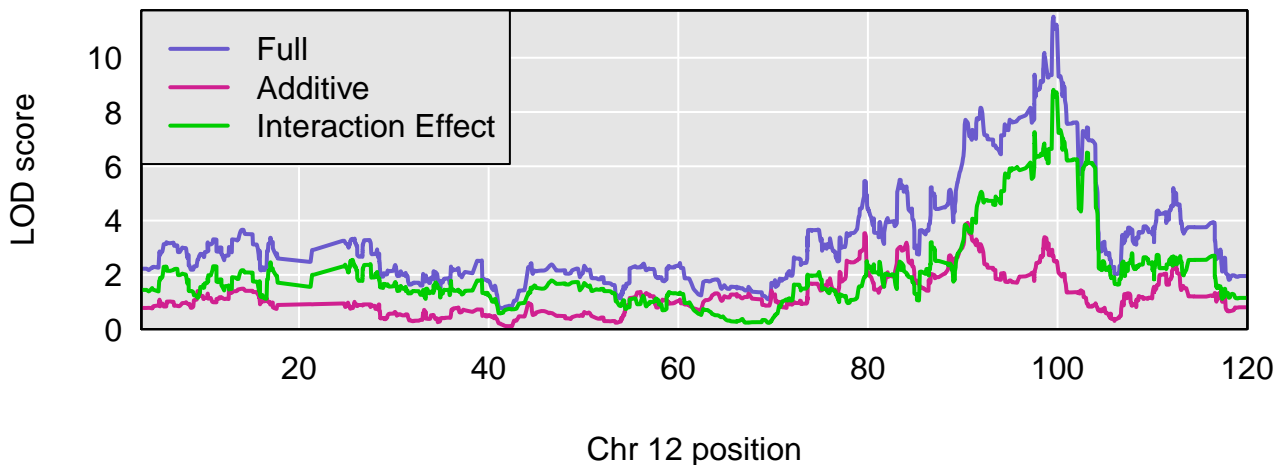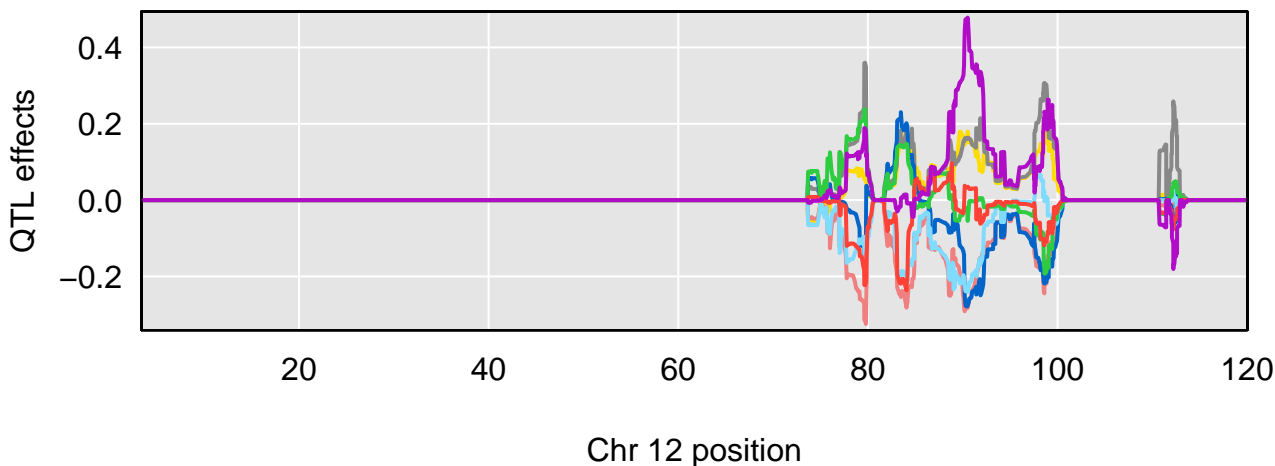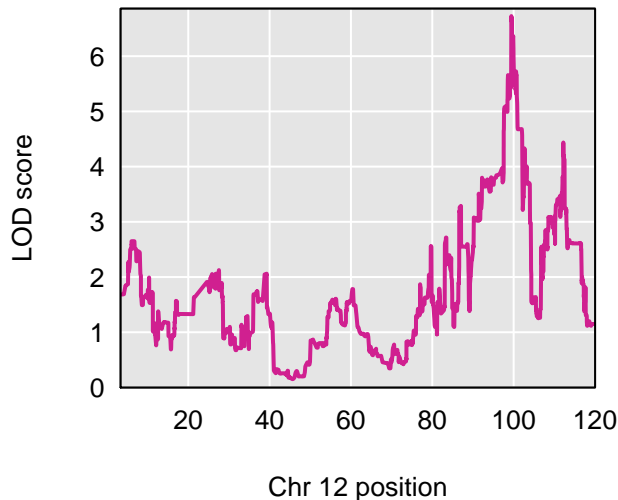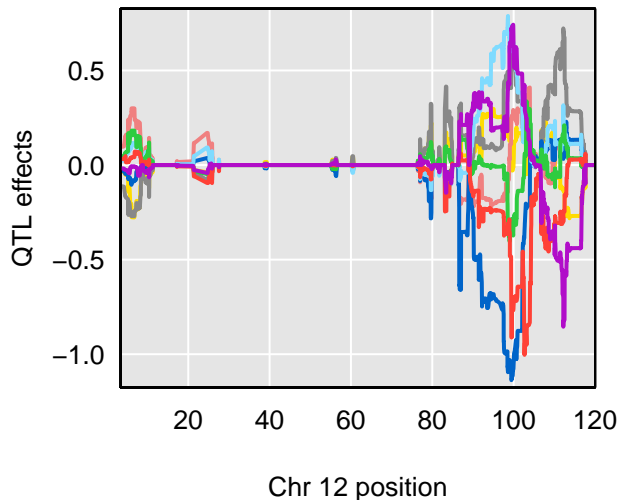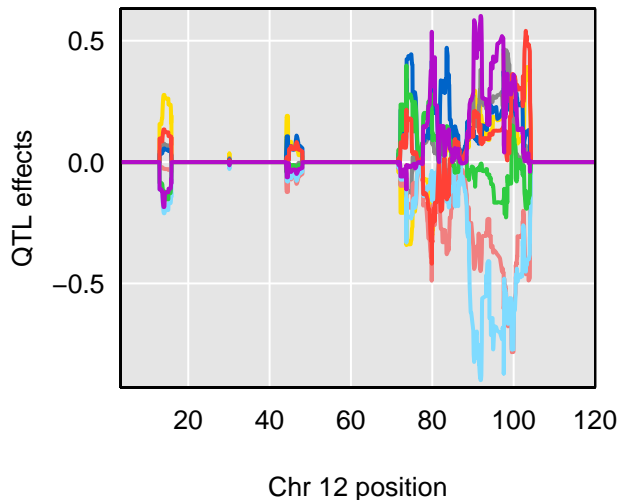
QTL effects

Chr 12 position

MCAM (ENSMUSP00000034650) Expression
Interactive Covariate = Sex

MCAM (ENSMUSP00000034650) Expression vs Age
by Genotype at Chr12, 99864015bp

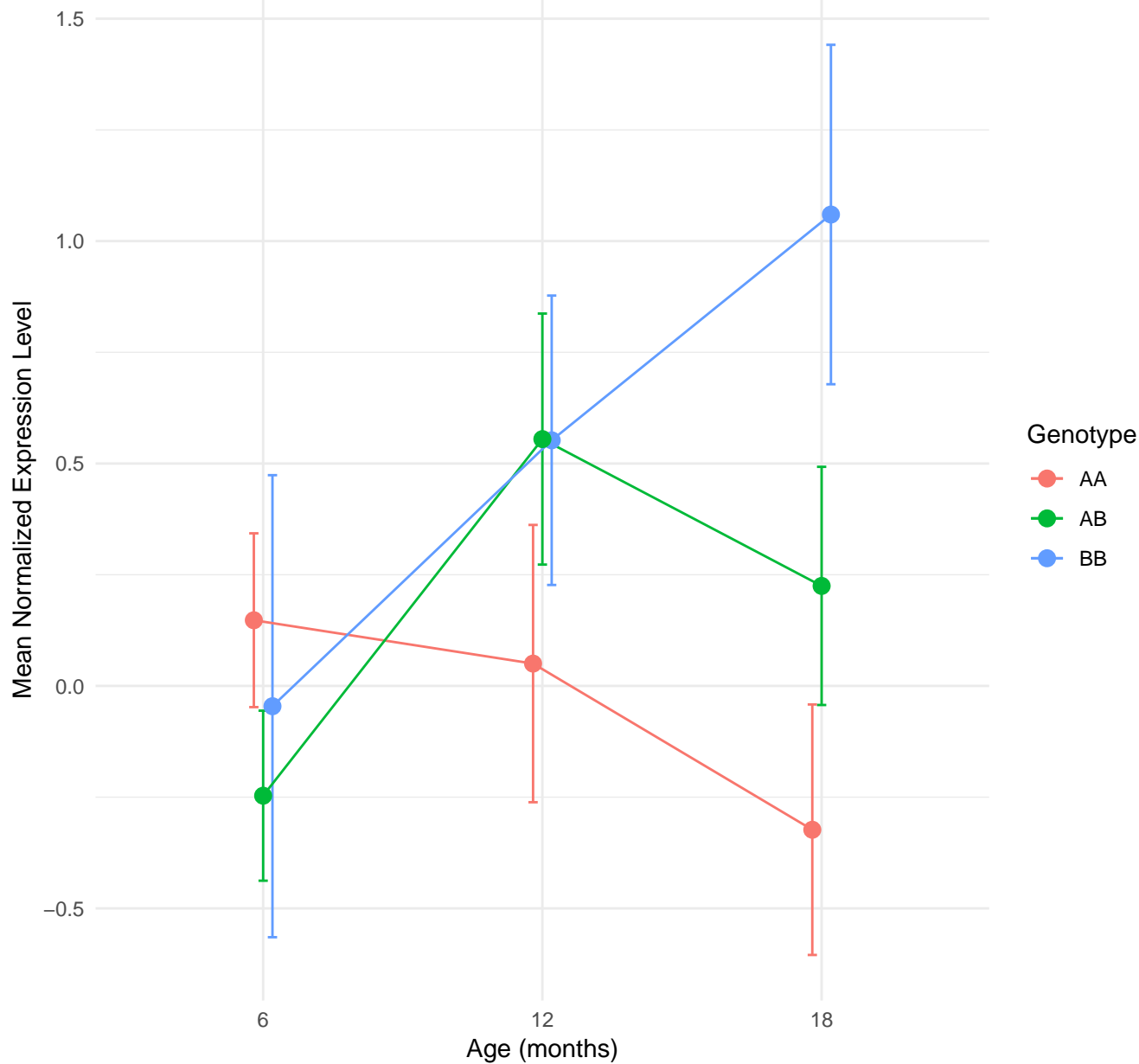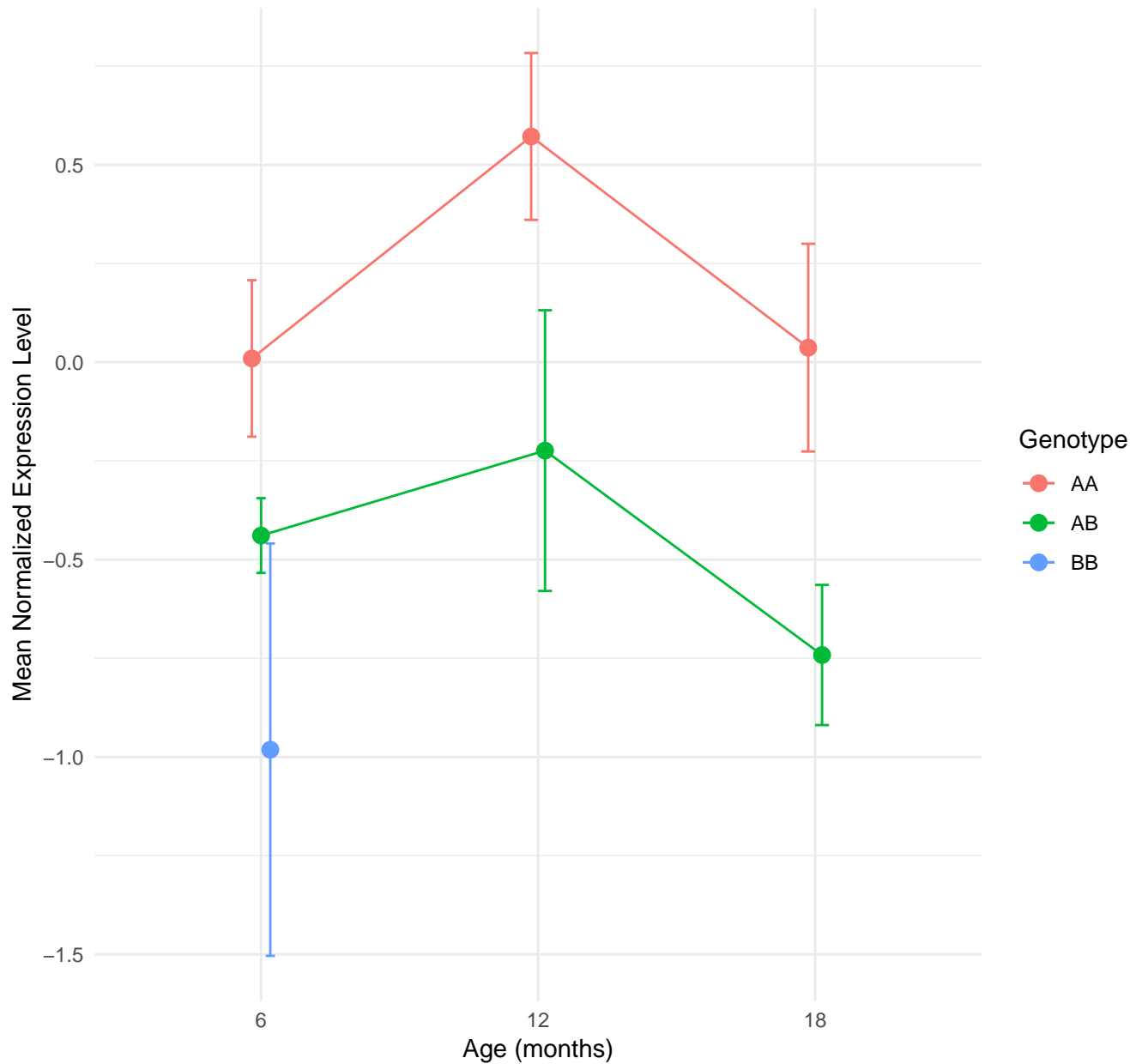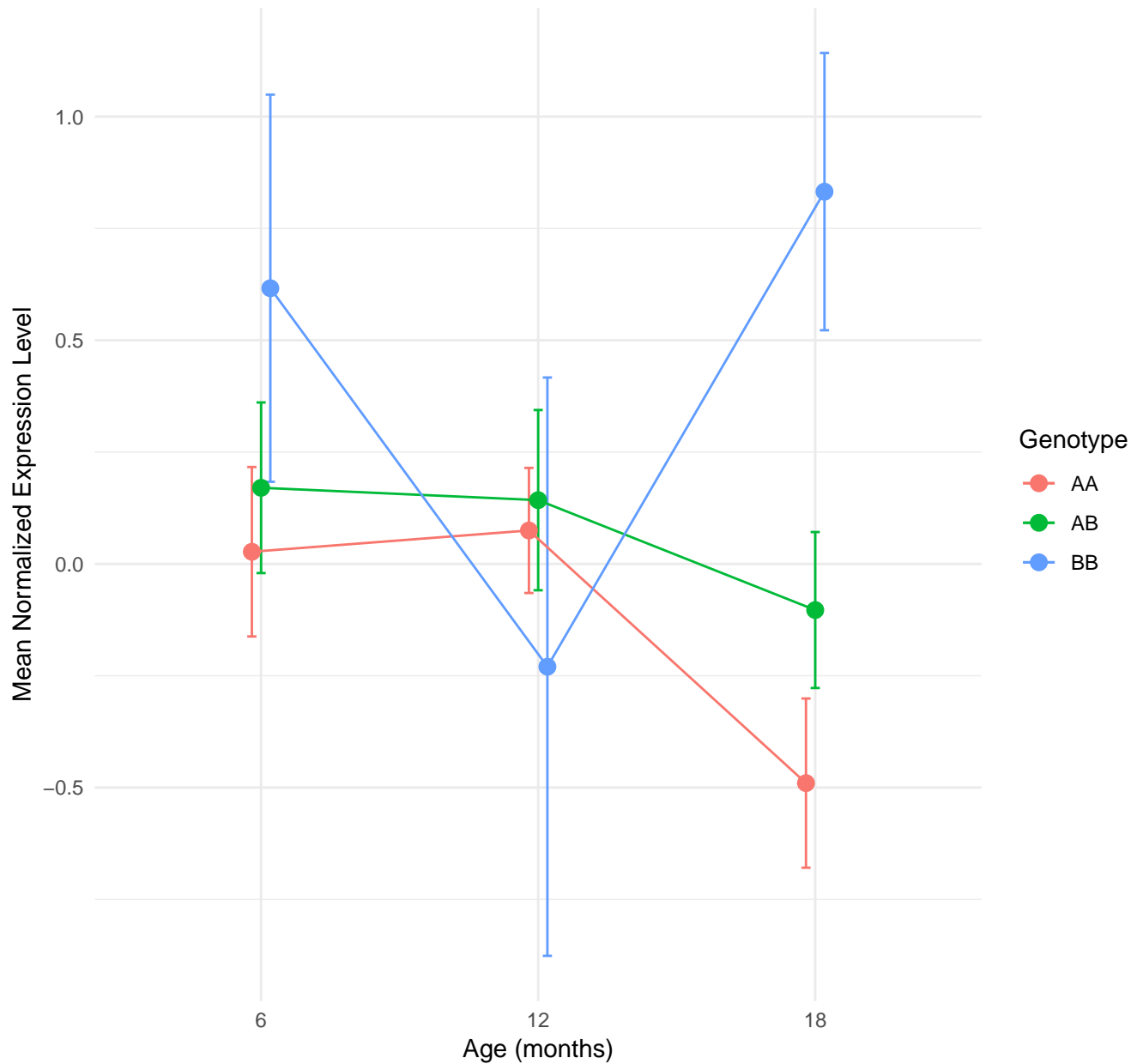MCAM (ENSMUSP00000034650) Expression vs Age (Males)
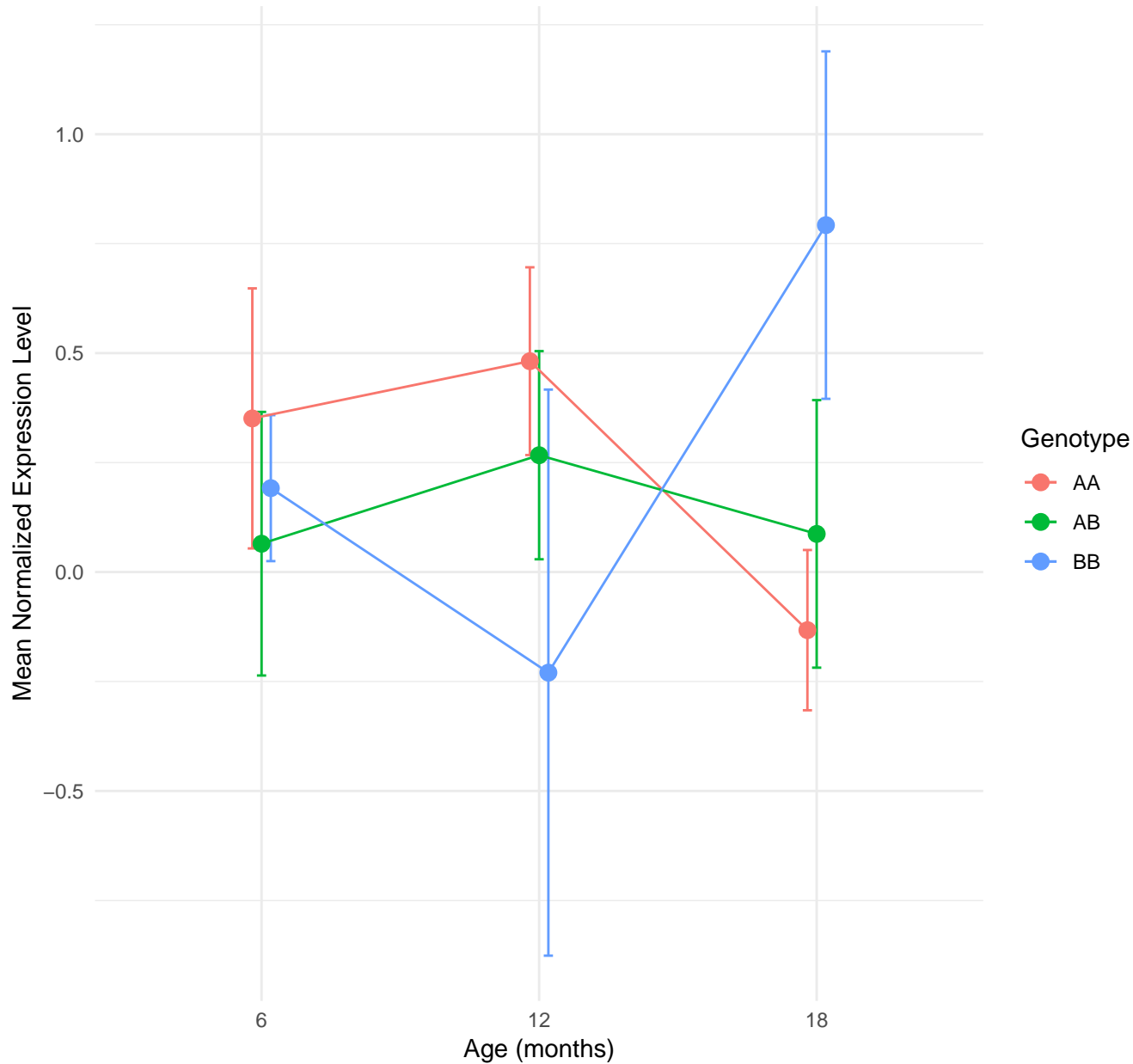by Genotype at Chr12, 99864015bp

MCAM (ENSMUSP00000034650) Expression vs Age (Females)
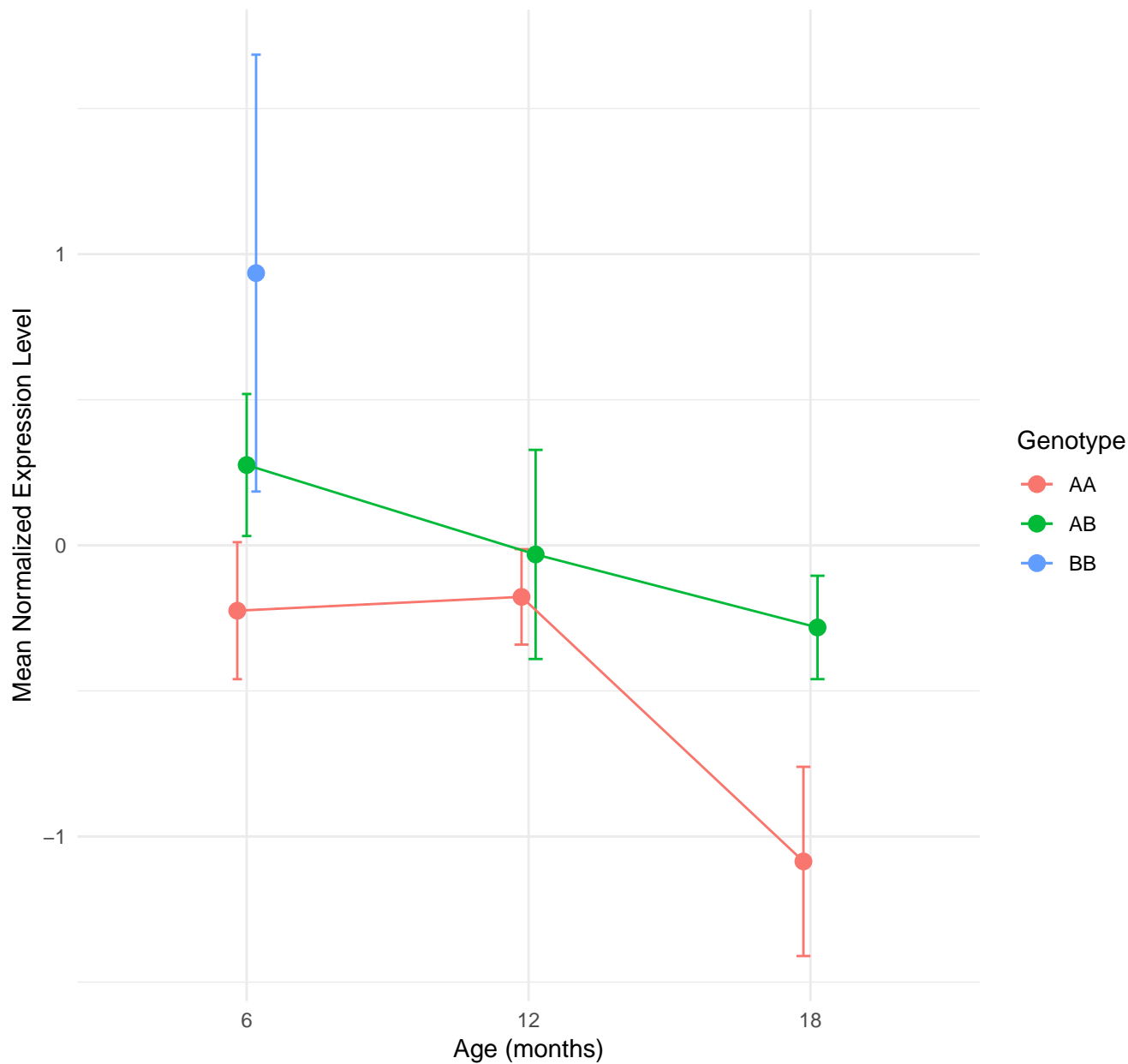by Genotype at Chr12, 99864015bp

Mcam (ENSMUSG00000032135) Expression vs Age
by Genotype at Chr12, 99864015bp

Mcam (ENSMUSG00000032135) Expression vs Age (Males)
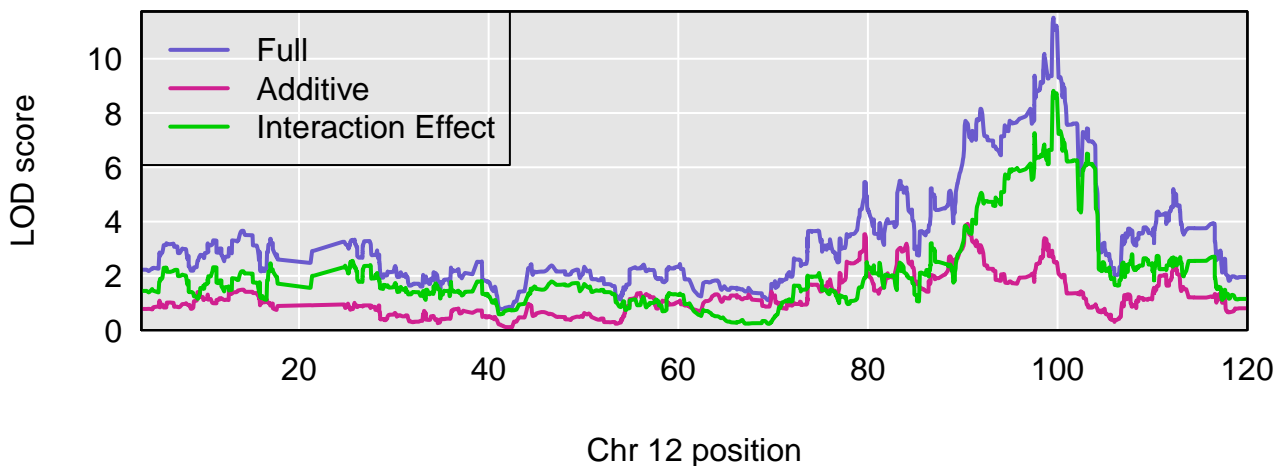by Genotype at Chr12, 99864015bp

Mcam (ENSMUSG00000032135) Expression vs Age (Females)
by Genotype at Chr12, 99864015bp

**MCAM (ENSMUSP00000034650) pQTL**
**Interactive Covariate = Sex**

Legend: Full, Additive, Interaction Effect

LOD score vs Chr 12 position

**Mcam (ENSMUSG00000032135) eQTL**
**Interactive Covariate = Sex**

Legend: Full, Additive, Interaction Effect

LOD score vs Chr 12 position