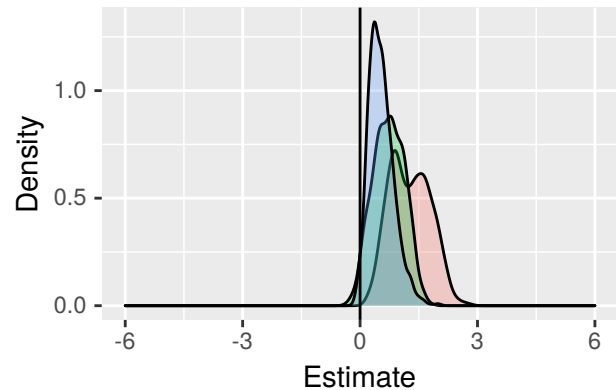
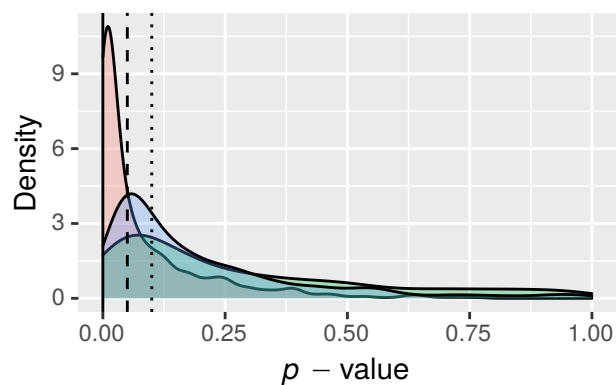


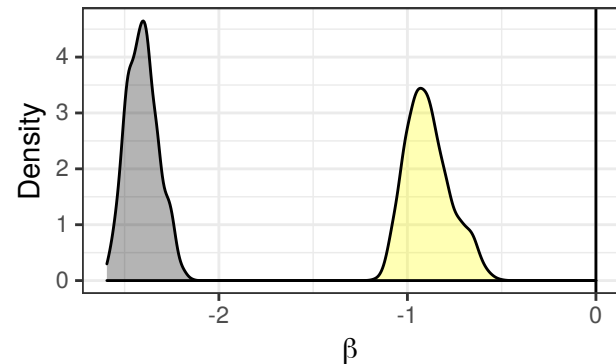
*ASPM* – D : Mediation estimates



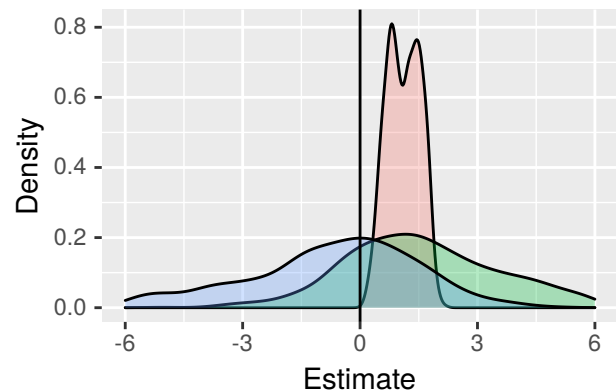
*ASPM* – D : Mediation  $p$  – values



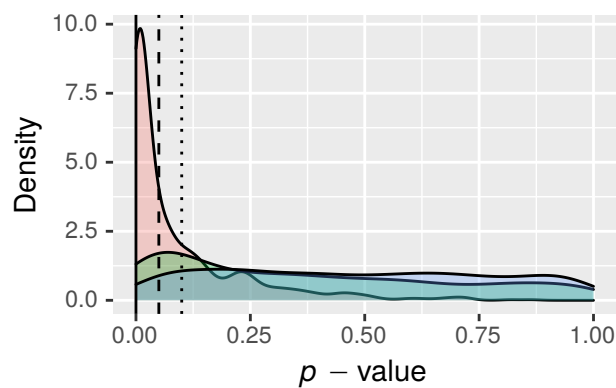
$\beta(\text{Africa} \rightarrow \text{allele})$



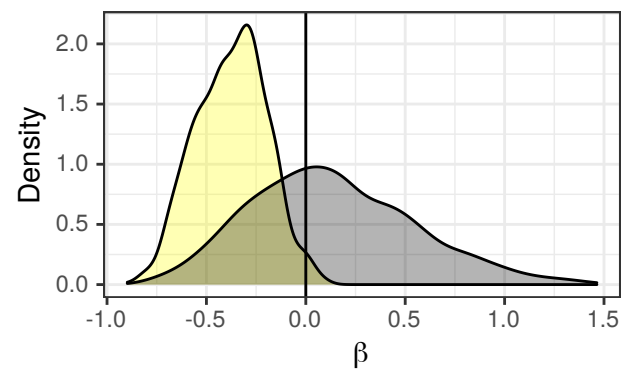
*MCPH1* – D : Mediation estimates



*MCPH1* – D : Mediation  $p$  – values



$\beta(\text{allele} \rightarrow \text{tone} \mid \text{Africa})$



Effect type ■ *TE* ■ *ADE* ■ *ACME*

Allele ■ *ASPM* – D ■ *MCPH1* – D