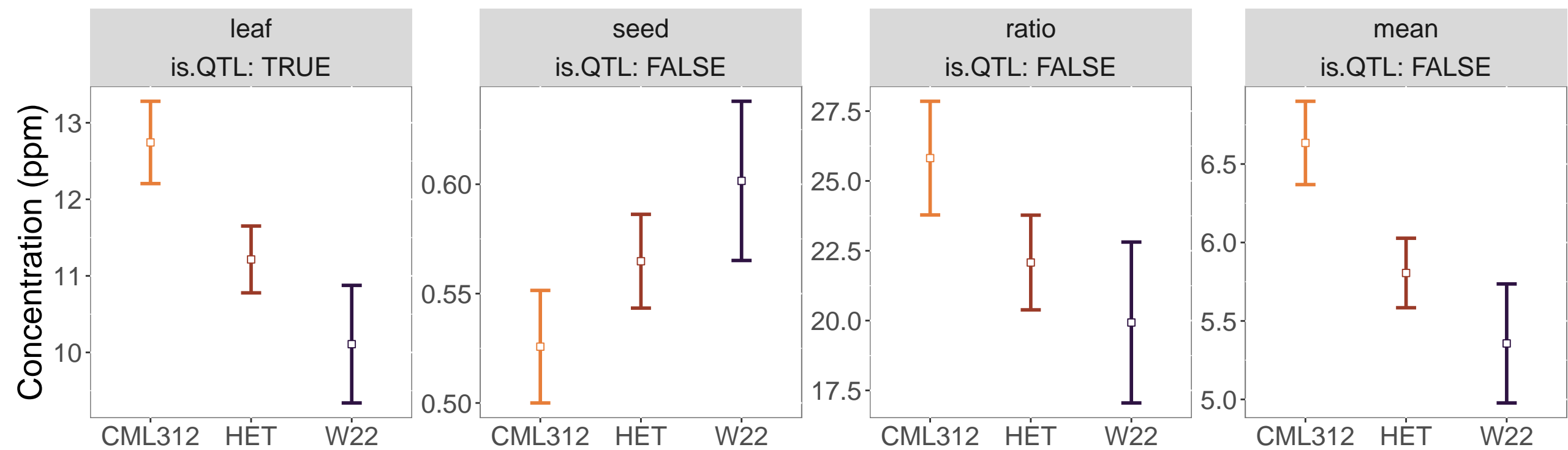
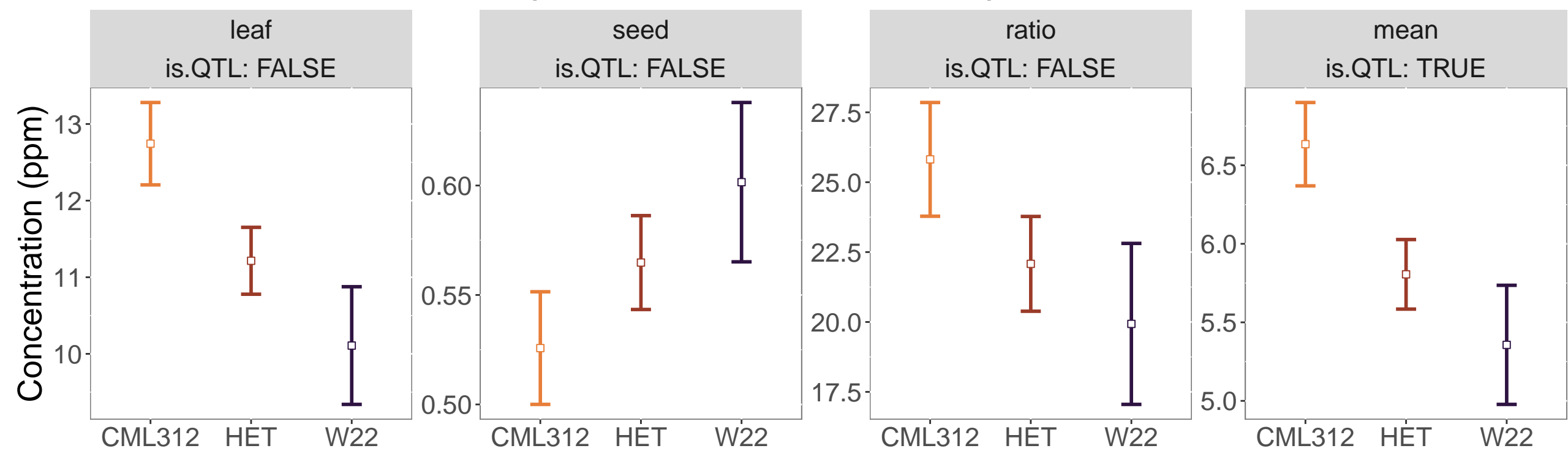


Ion: Al

Effect plots for Al_leaf QTL in position 1@62



Effect plots for Al_mean QTL in position 1@62

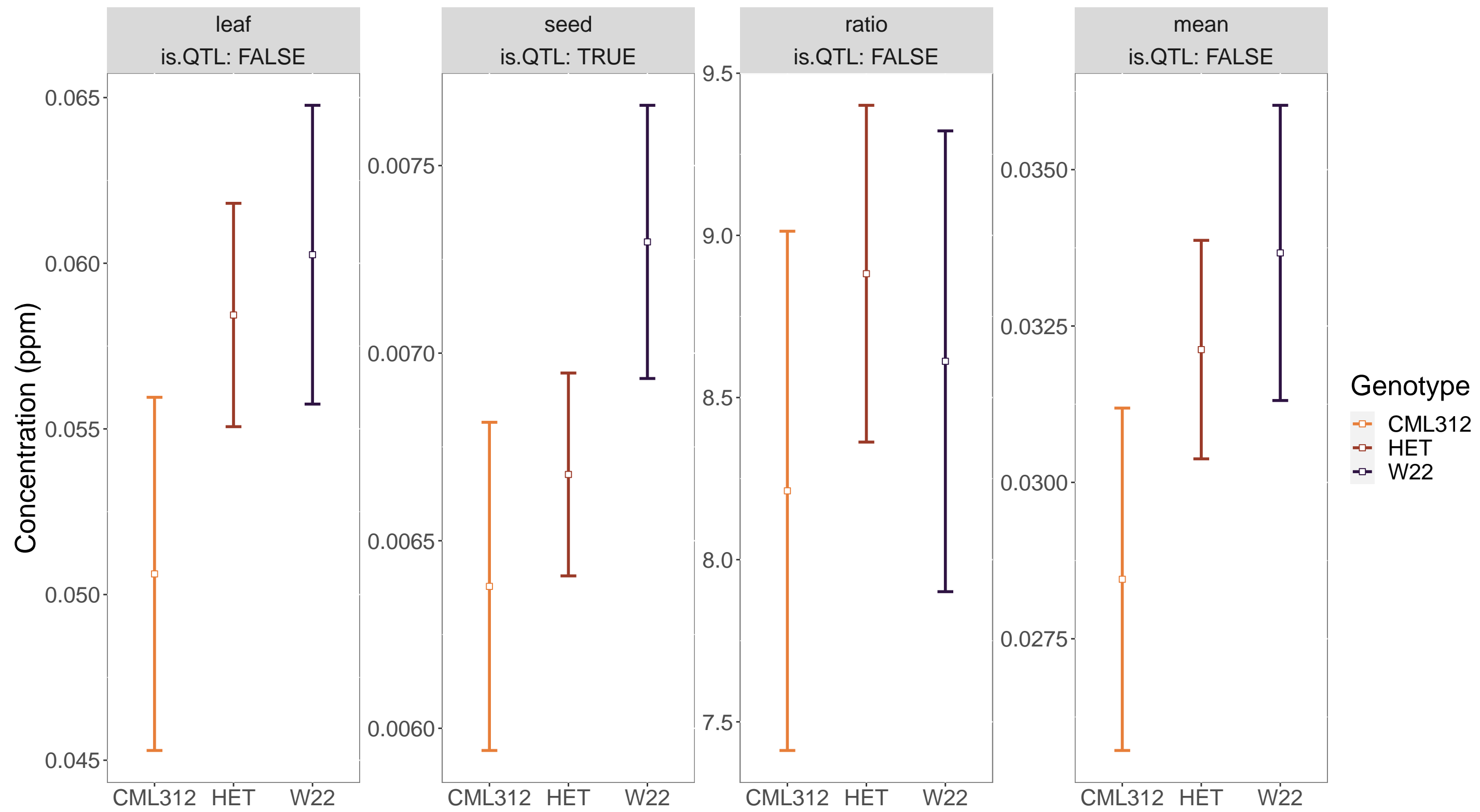


Genotype

- CML312
- HET
- W22

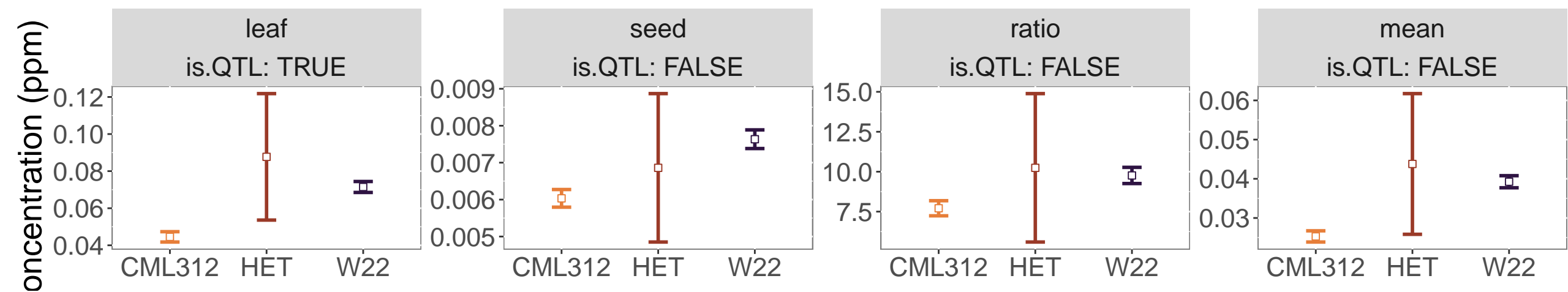
Ion: As

Effect plots for As_seed QTL in position 4@99

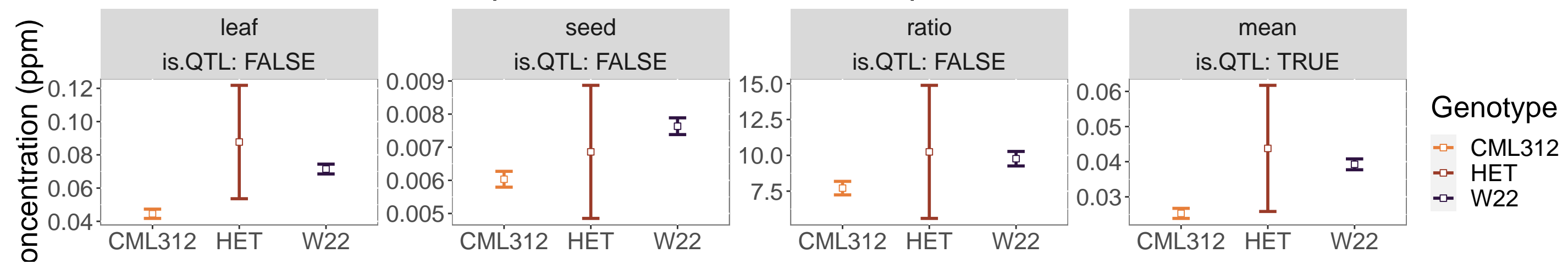


Ion: As

Effect plots for As_leaf QTL in position 5@0



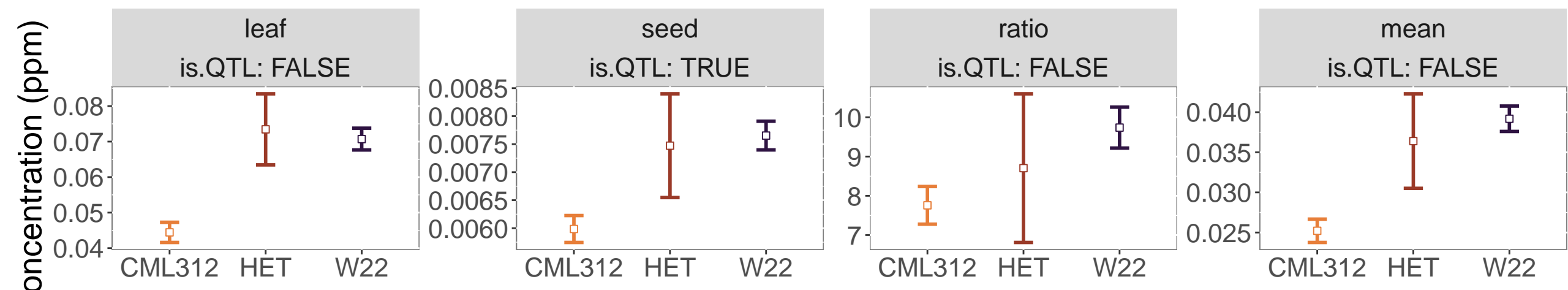
Effect plots for As_mean QTL in position 5@0



Genotype

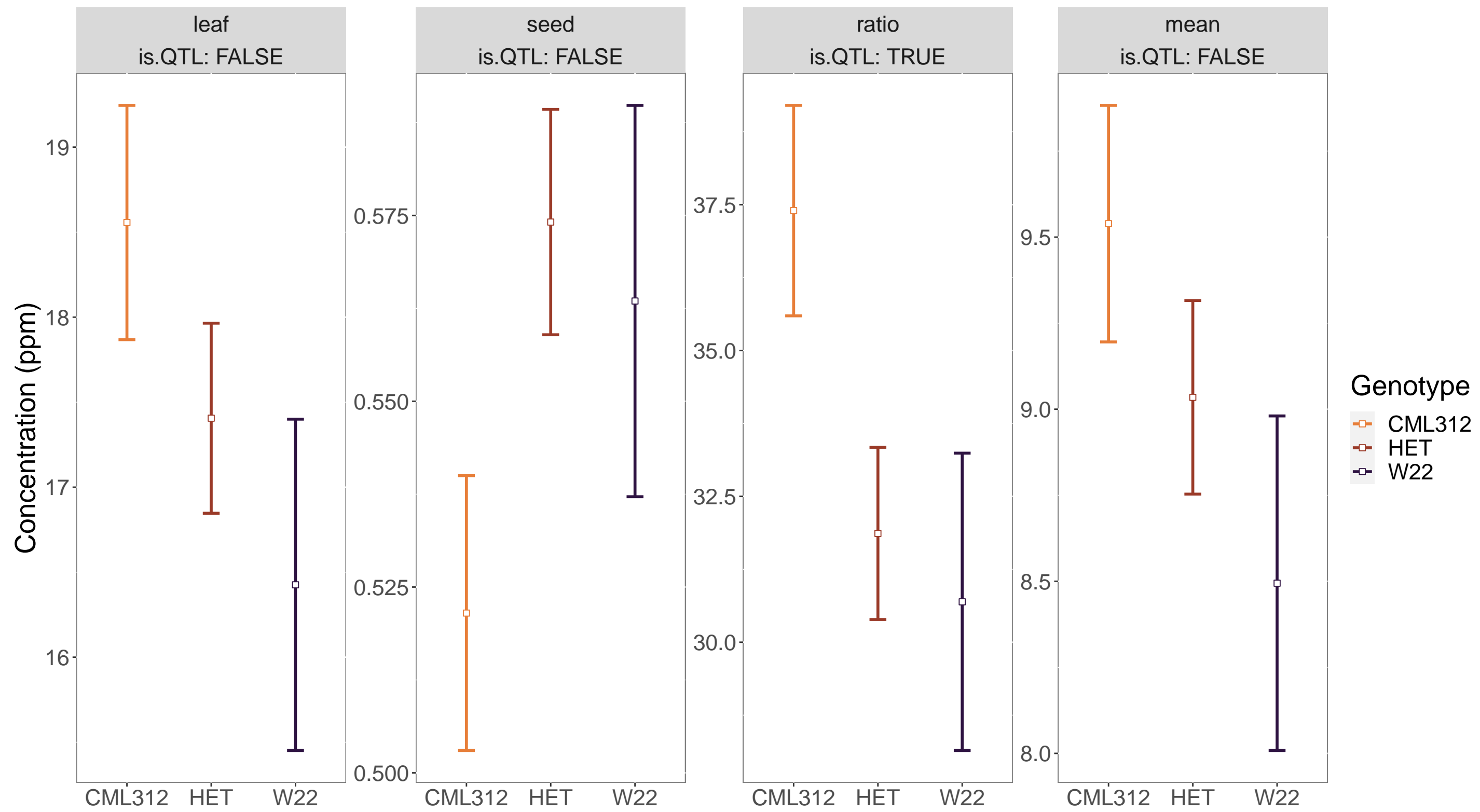
- CML312
- HET
- W22

Effect plots for As_seed QTL in position 5@3



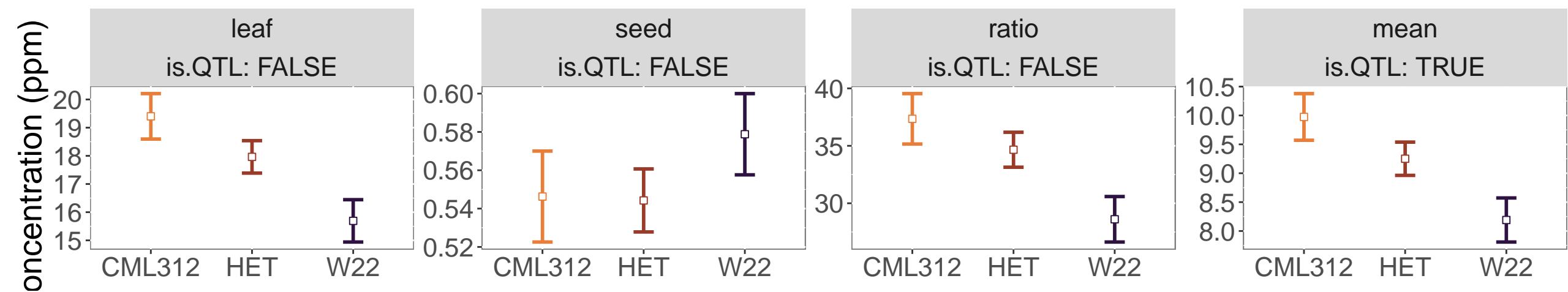
lon: B

Effect plots for B_ratio QTL in position 1@62

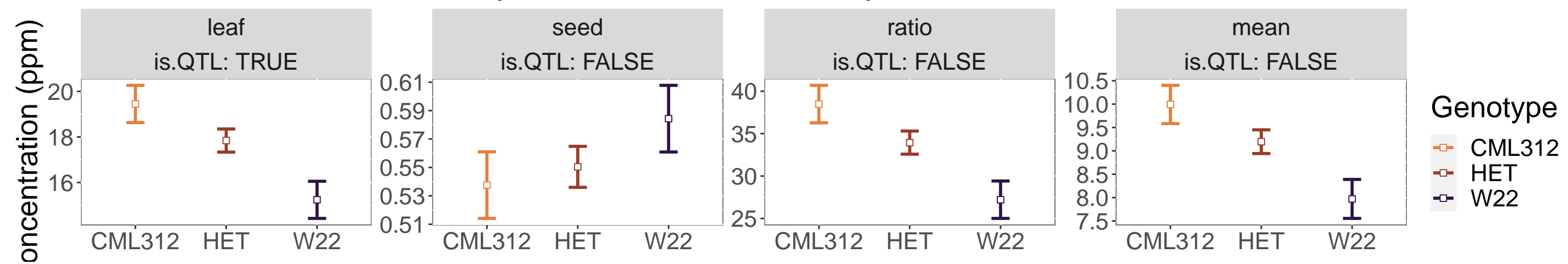


lon: B

Effect plots for B_mean QTL in position 3@23



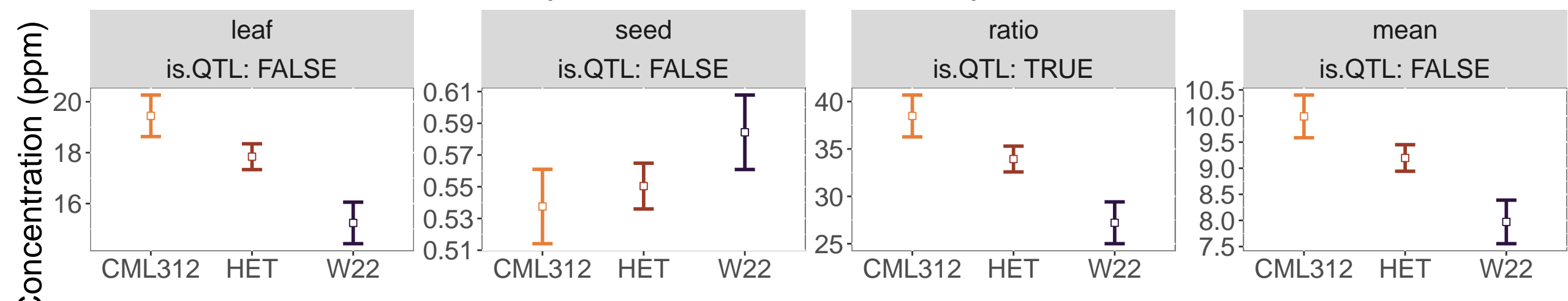
Effect plots for B_leaf QTL in position 3@40



Genotype

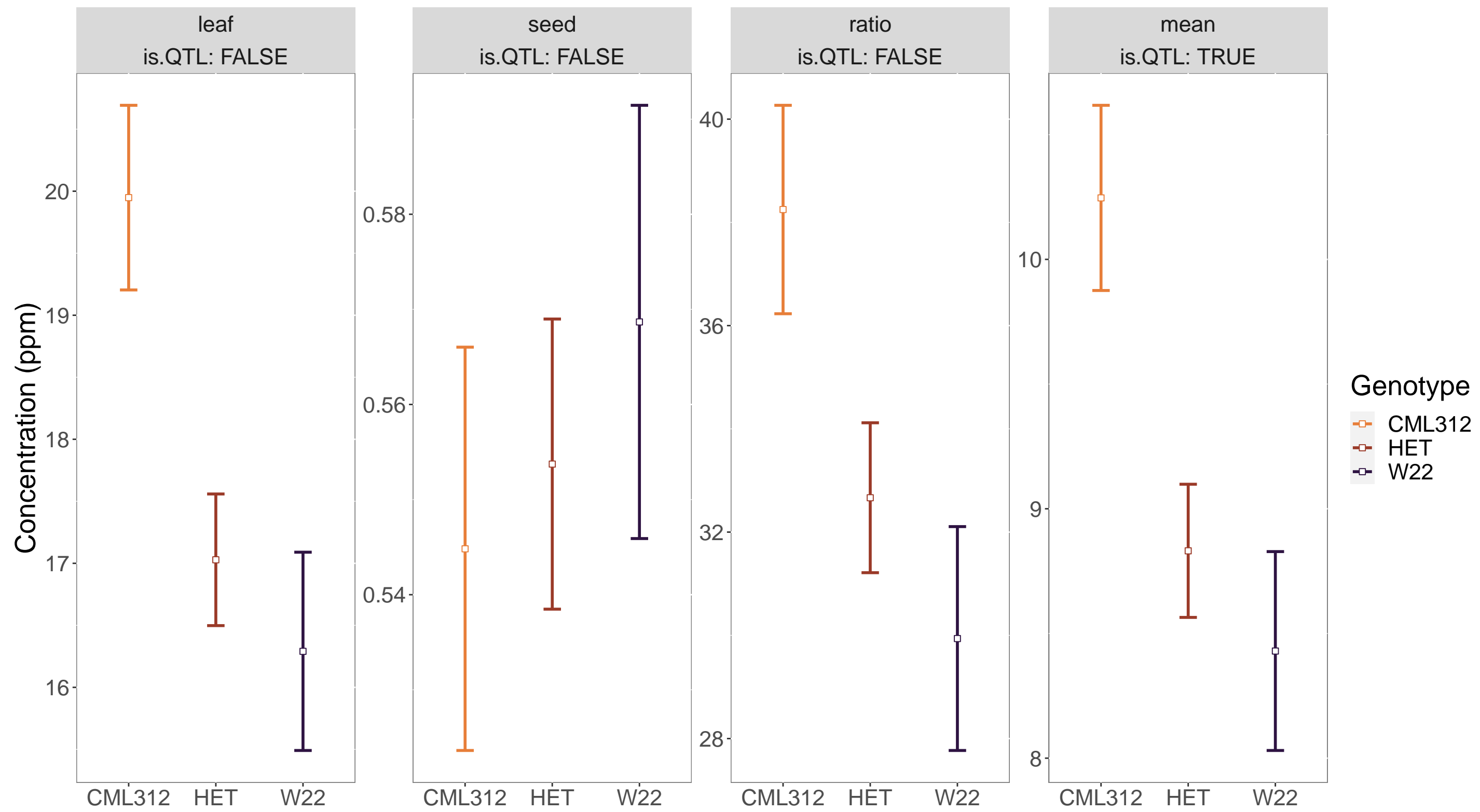
- CML312
- HET
- W22

Effect plots for B_ratio QTL in position 3@40



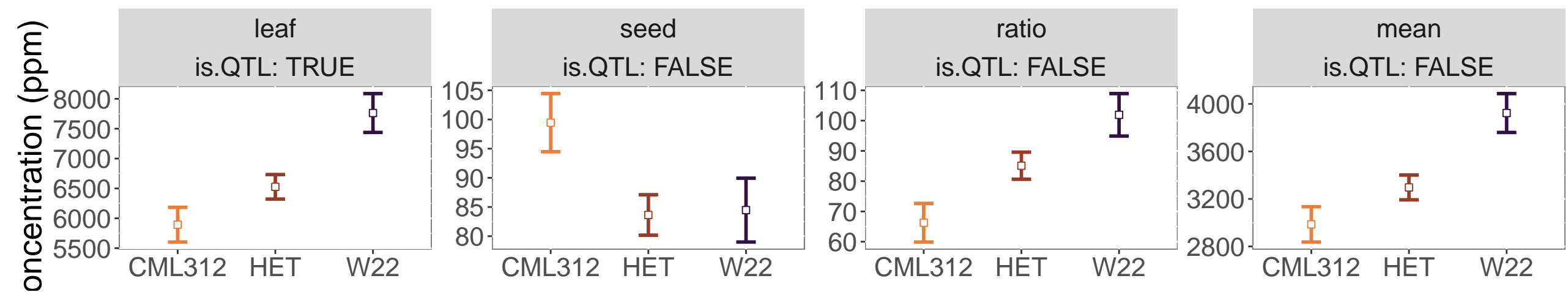
Ion: B

Effect plots for B_mean QTL in position 7@86

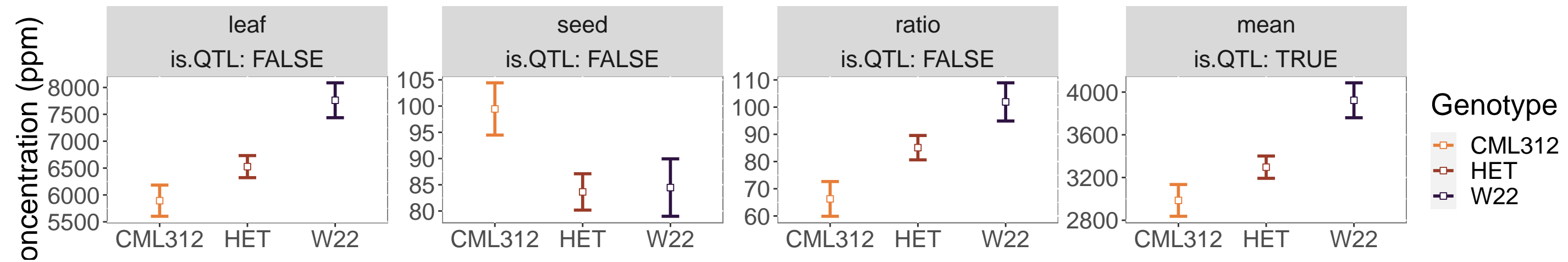


Ion: Ca

Effect plots for Ca_leaf QTL in position 1@111



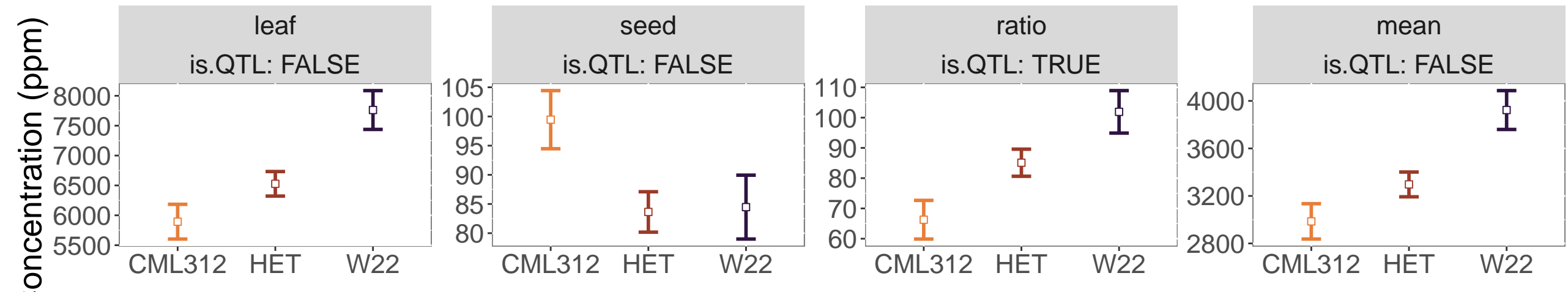
Effect plots for Ca_mean QTL in position 1@111



Genotype

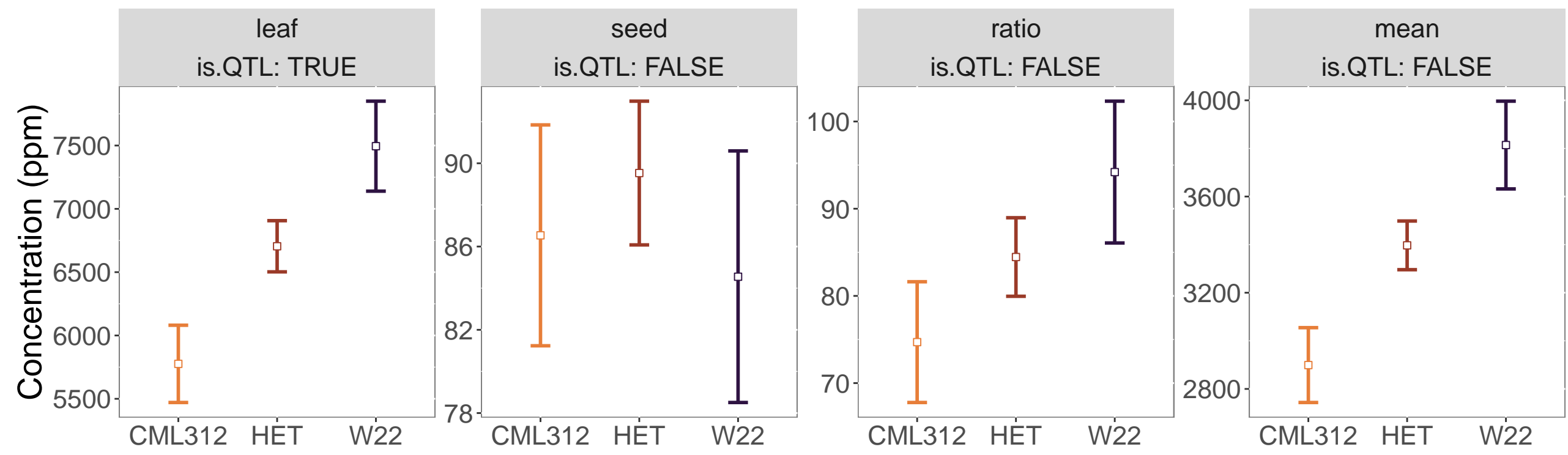
- CML312
- HET
- W22

Effect plots for Ca_ratio QTL in position 1@111

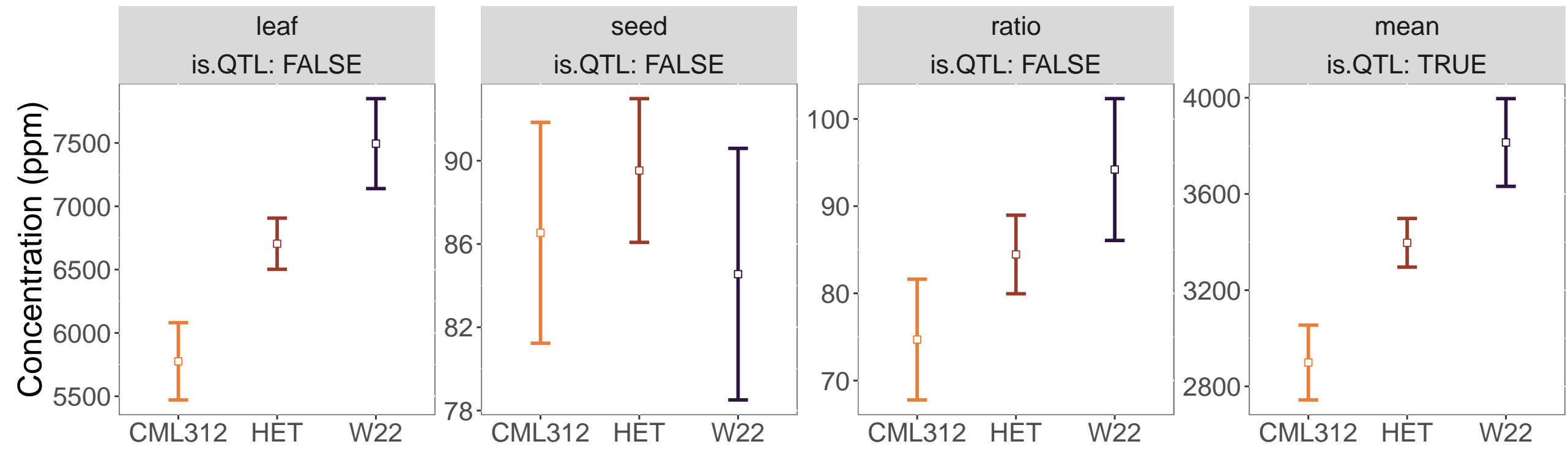


Ion: Ca

Effect plots for Ca_leaf QTL in position 3@87



Effect plots for Ca_mean QTL in position 3@87

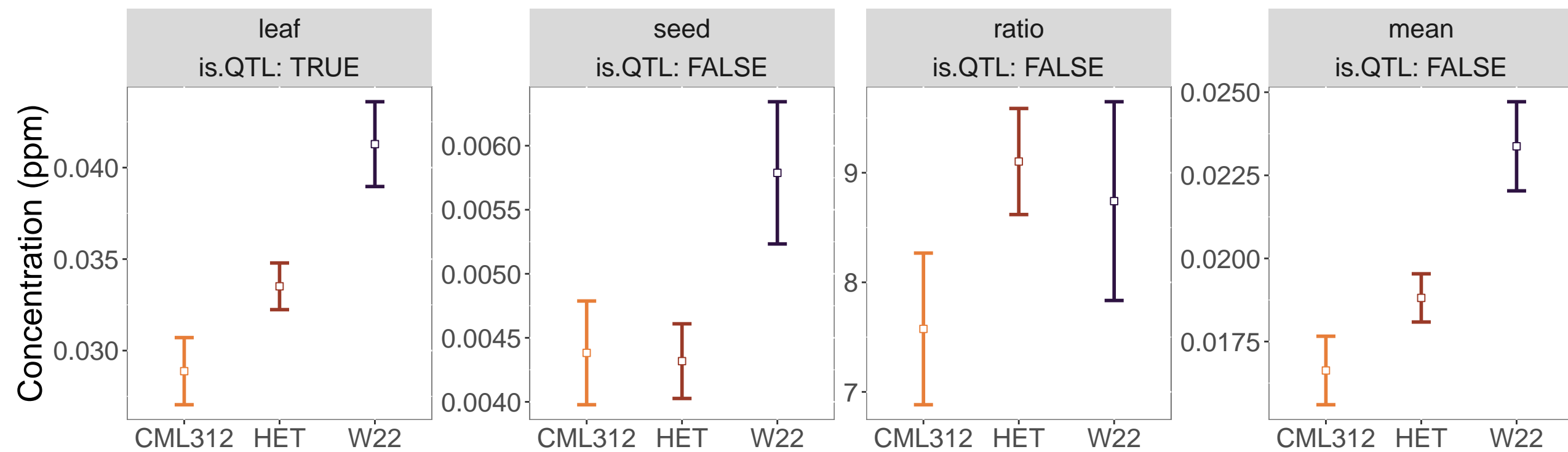


Genotype

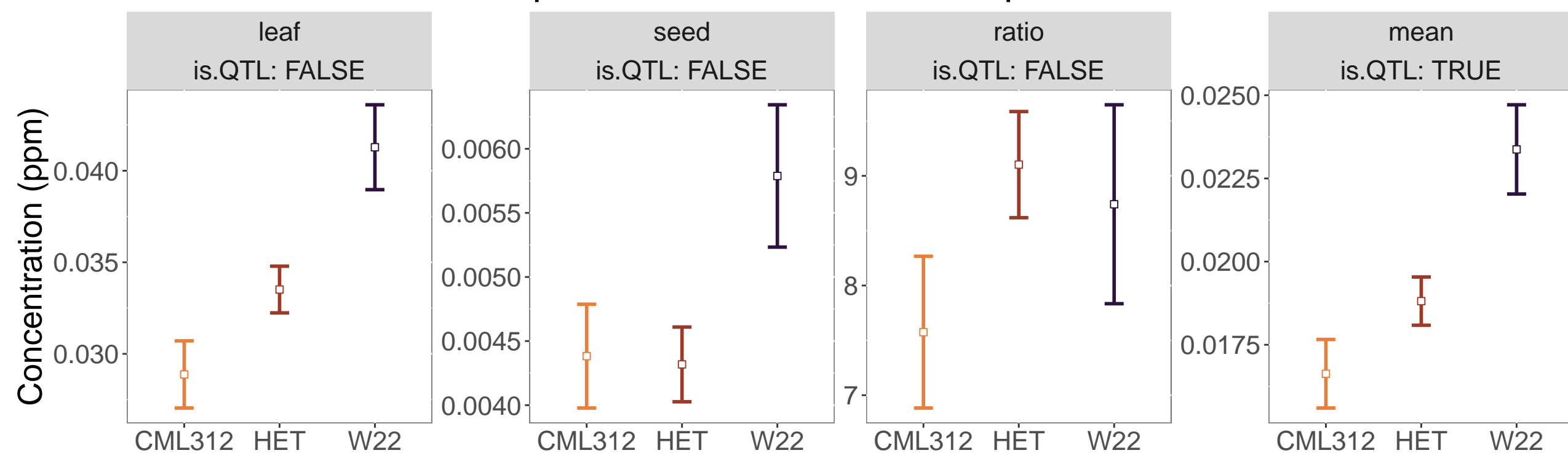
- CML312
- HET
- W22

Ion: Cd

Effect plots for Cd_leaf QTL in position 1@153



Effect plots for Cd_mean QTL in position 1@153

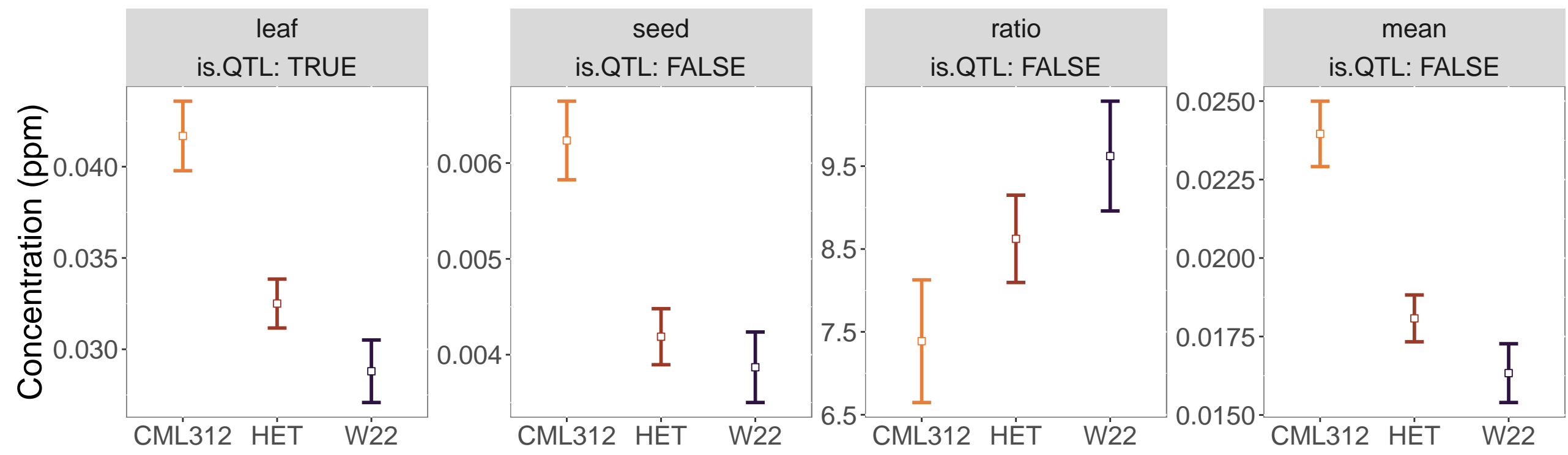


Genotype

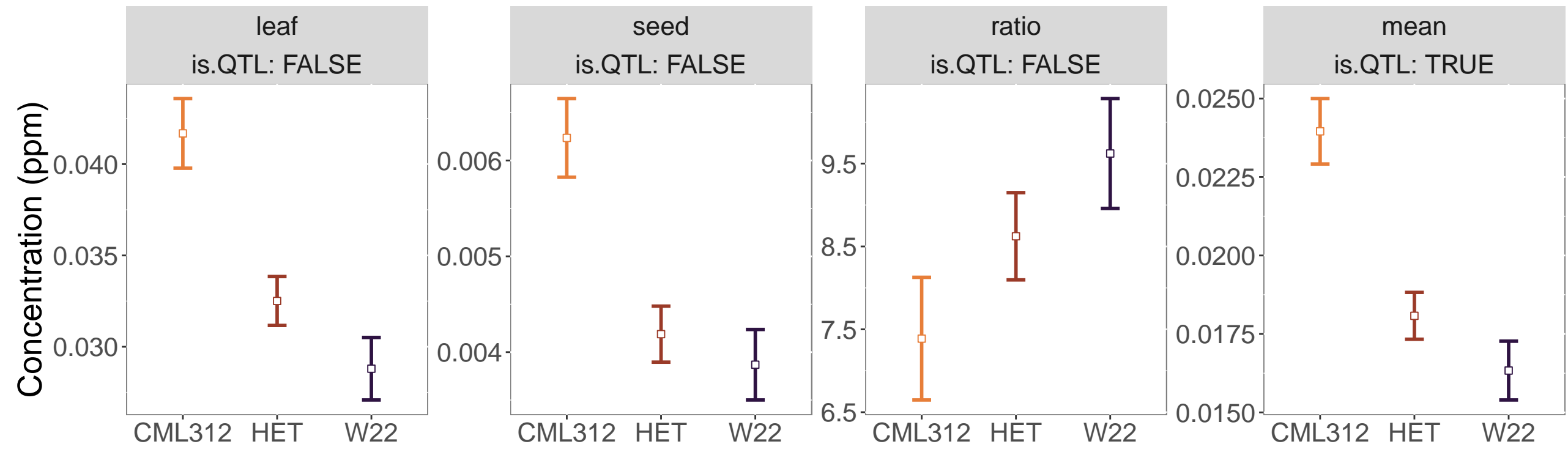
- CML312
- HET
- W22

Ion: Cd

Effect plots for Cd_leaf QTL in position 2@58



Effect plots for Cd_mean QTL in position 2@58

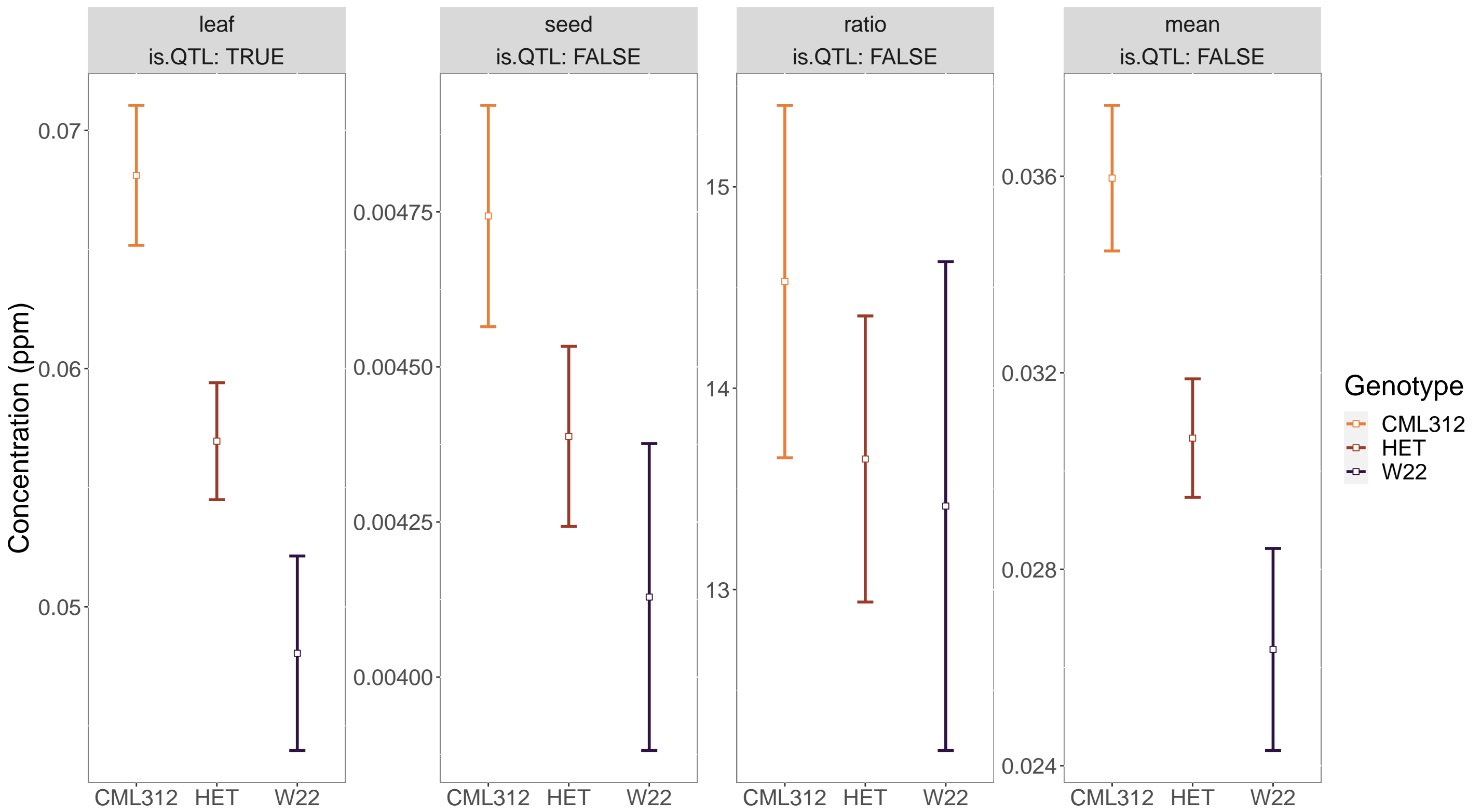


Genotype

- CML312
- HET
- W22

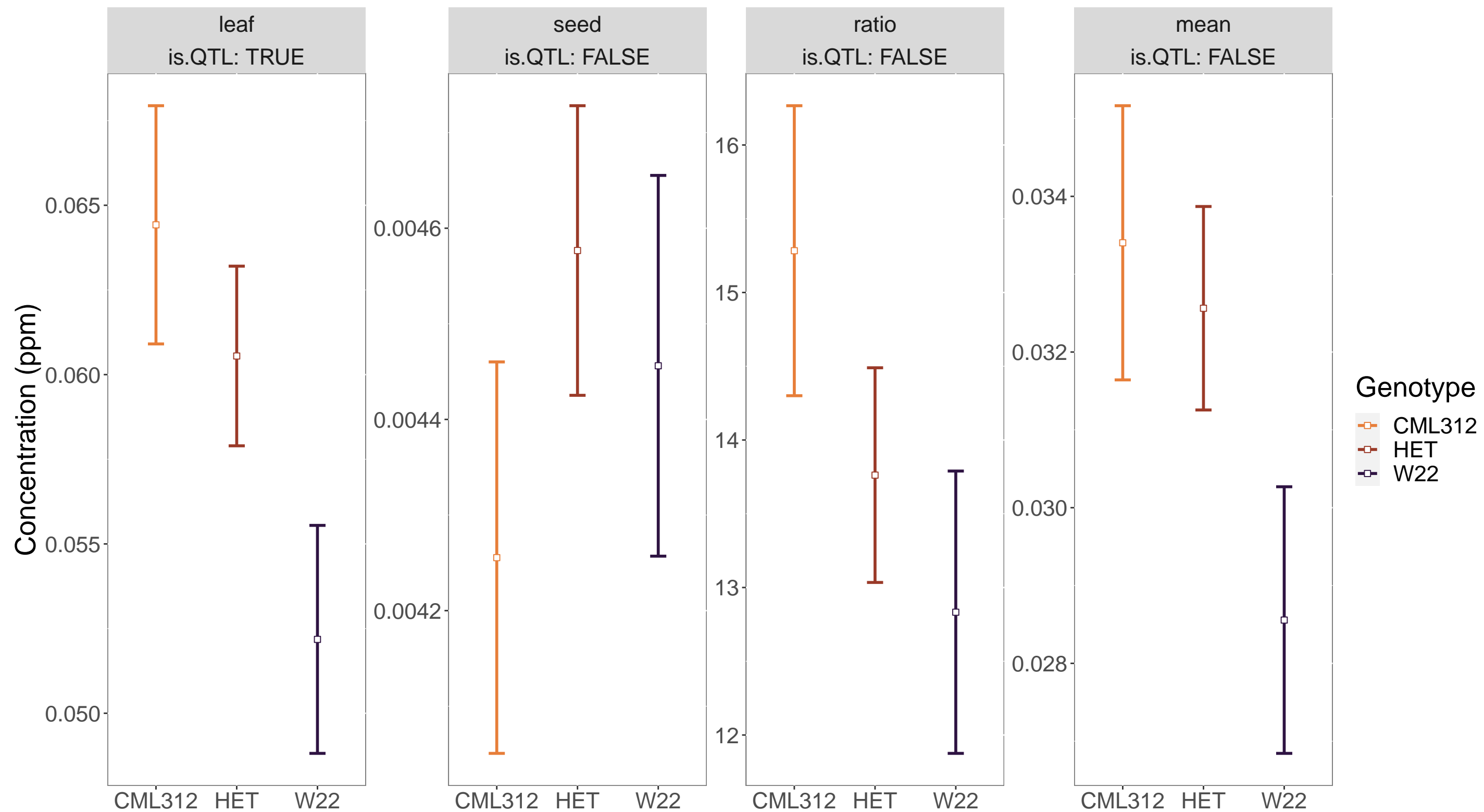
Ion: Co

Effect plots for Co_leaf QTL in position 1 @84



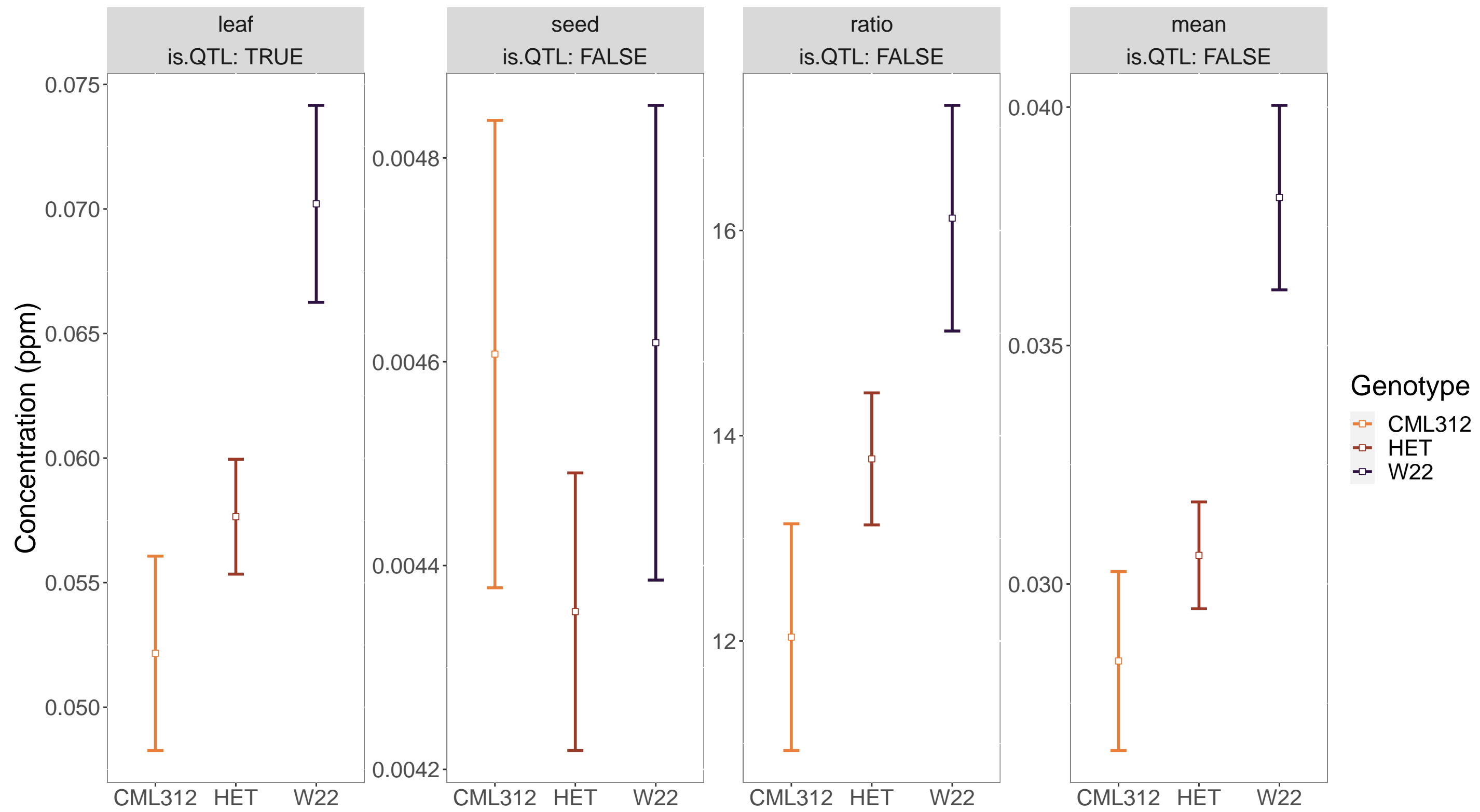
Ion: Co

Effect plots for Co_leaf QTL in position 10@101



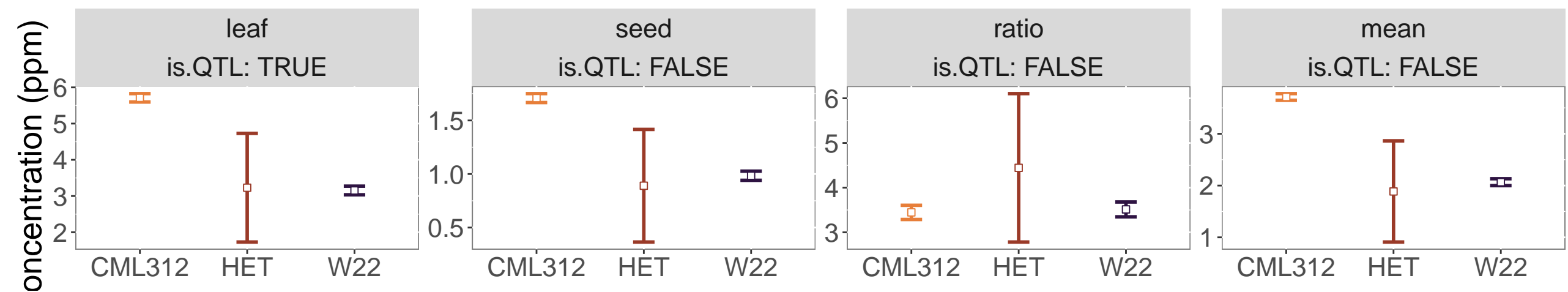
Ion: Co

Effect plots for Co_leaf QTL in position 4@70

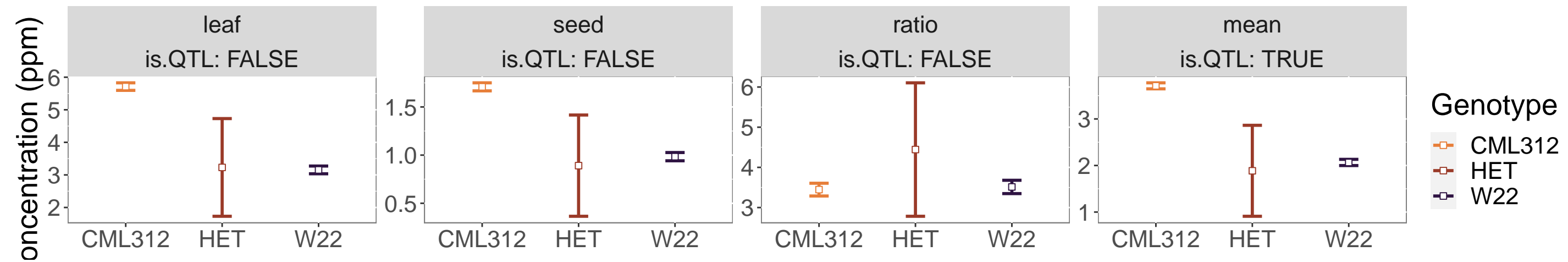


Ion: Cu

Effect plots for Cu_leaf QTL in position 5@0



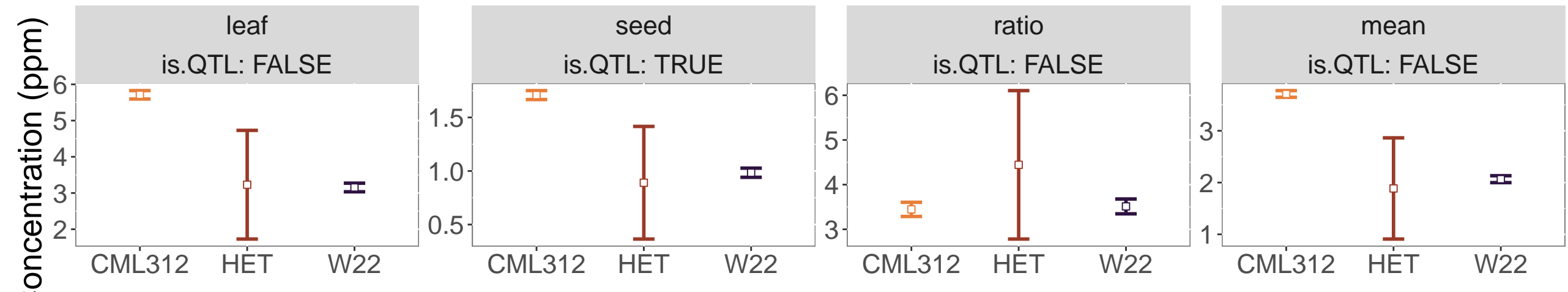
Effect plots for Cu_mean QTL in position 5@0



Genotype

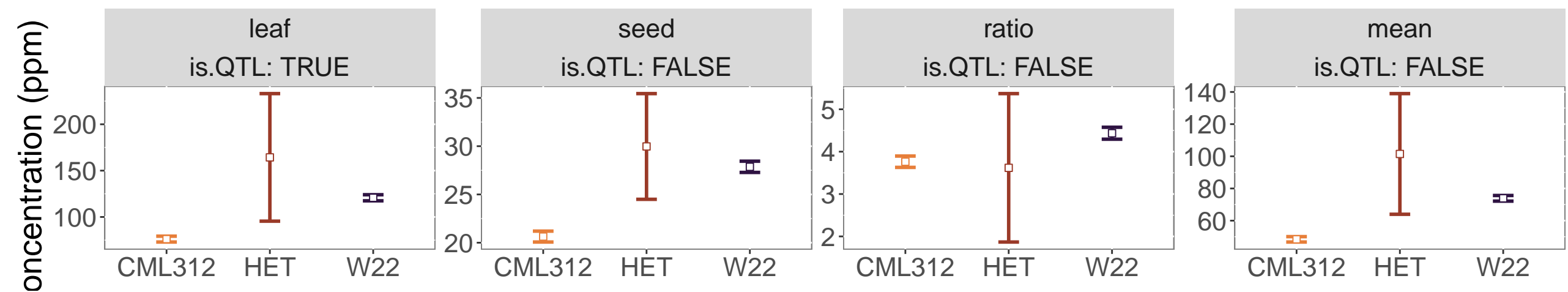
- CML312
- HET
- W22

Effect plots for Cu_seed QTL in position 5@0

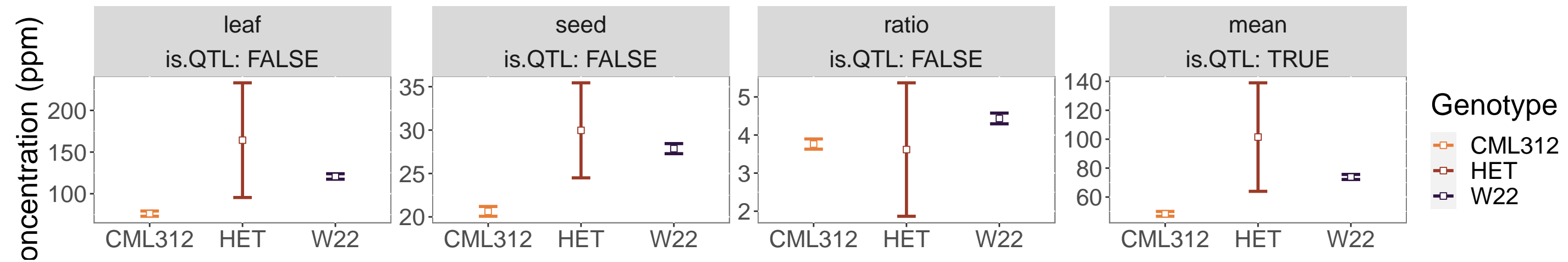


Ion: Fe

Effect plots for Fe_leaf QTL in position 5@0



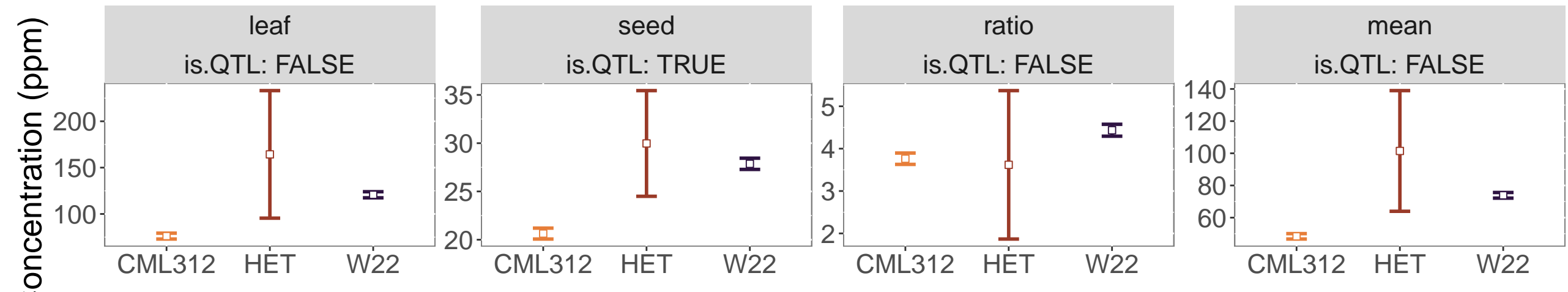
Effect plots for Fe_mean QTL in position 5@0



Genotype

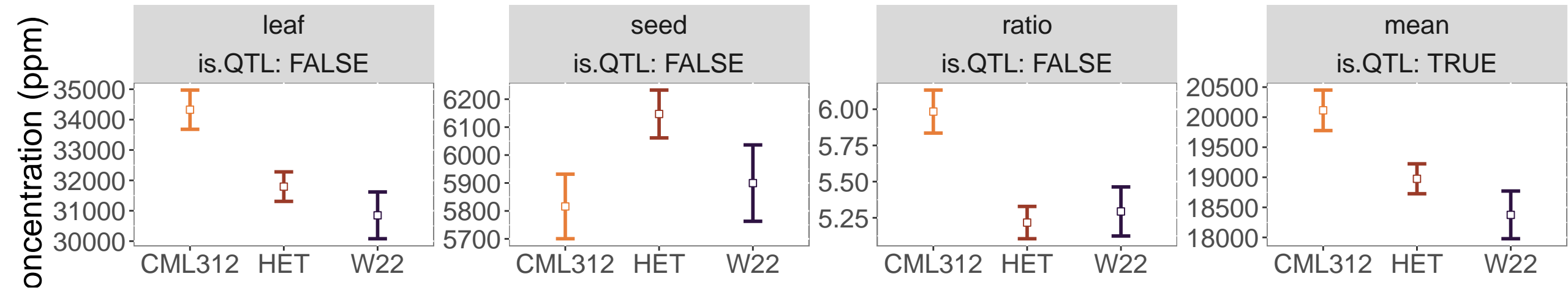
- CML312
- HET
- W22

Effect plots for Fe_seed QTL in position 5@0

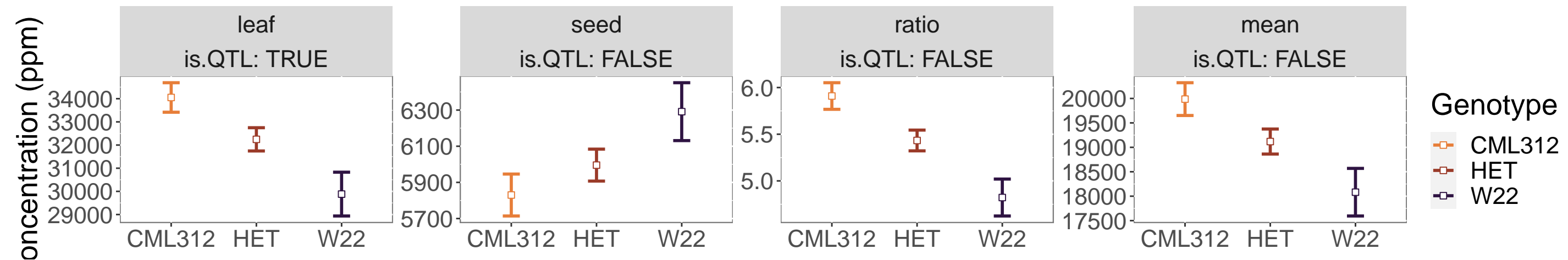


lon: K

Effect plots for K_mean QTL in position 3@108



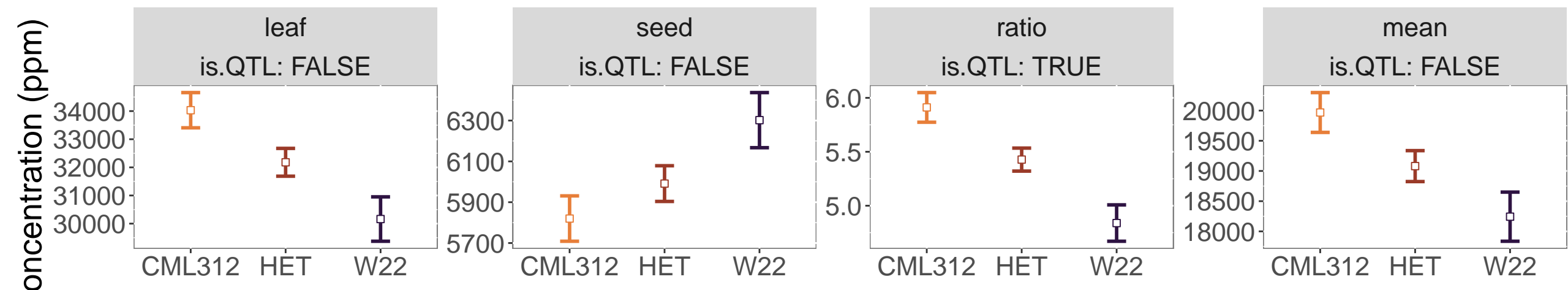
Effect plots for K_leaf QTL in position 3@125



Genotype

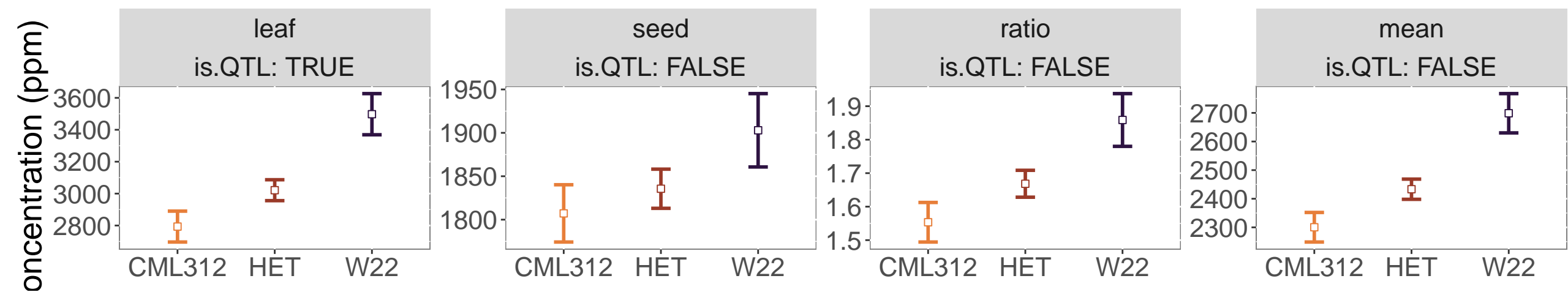
- CML312
- HET
- W22

Effect plots for K_ratio QTL in position 3@131

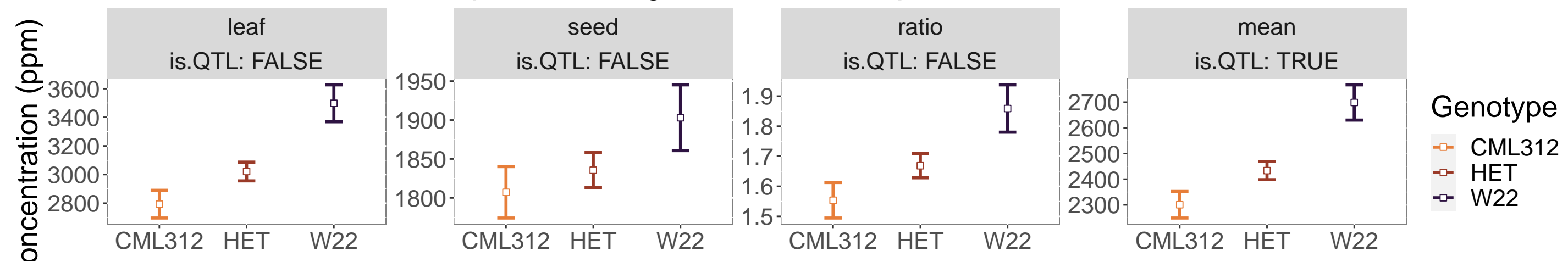


Ion: Mg

Effect plots for Mg_leaf QTL in position 1 @154



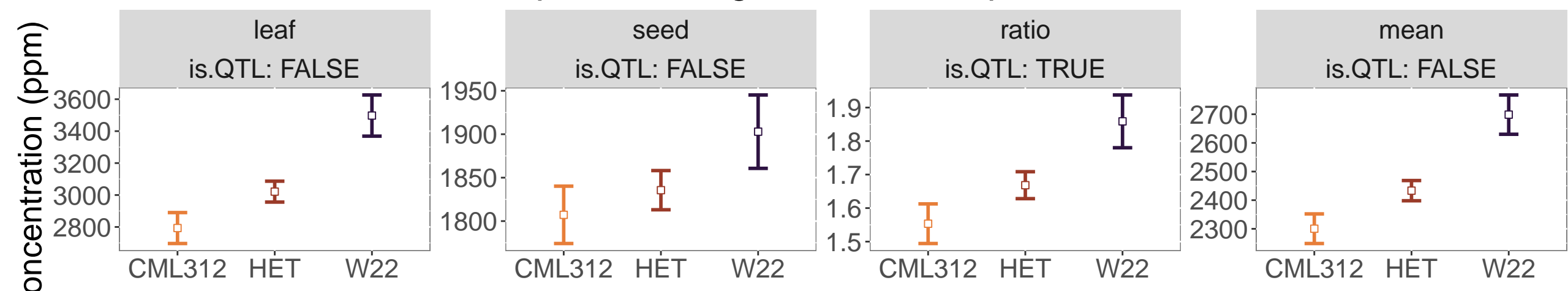
Effect plots for Mg_mean QTL in position 1 @154



Genotype

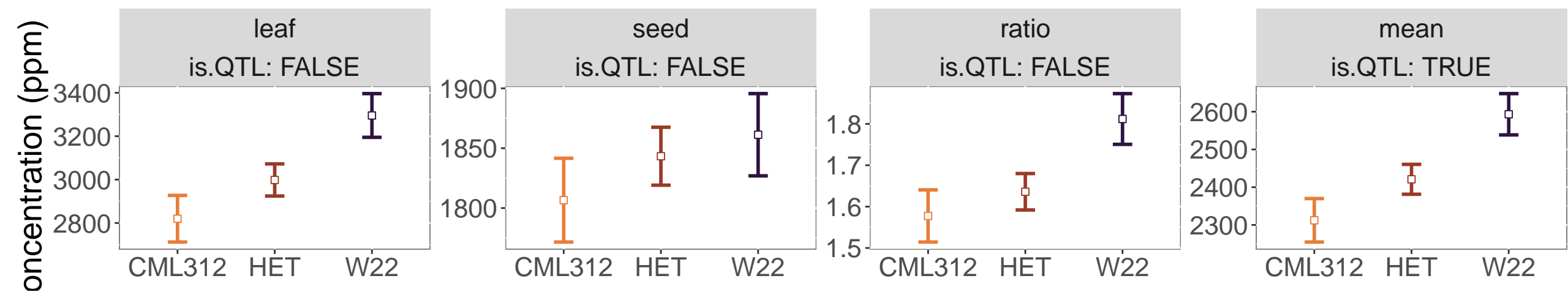
- CML312
- HET
- W22

Effect plots for Mg_ratio QTL in position 1 @154

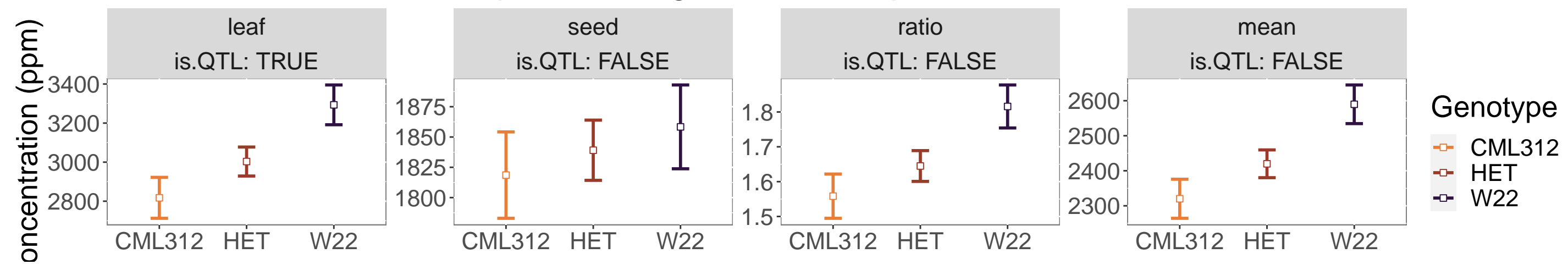


Ion: Mg

Effect plots for Mg_mean QTL in position 3@28



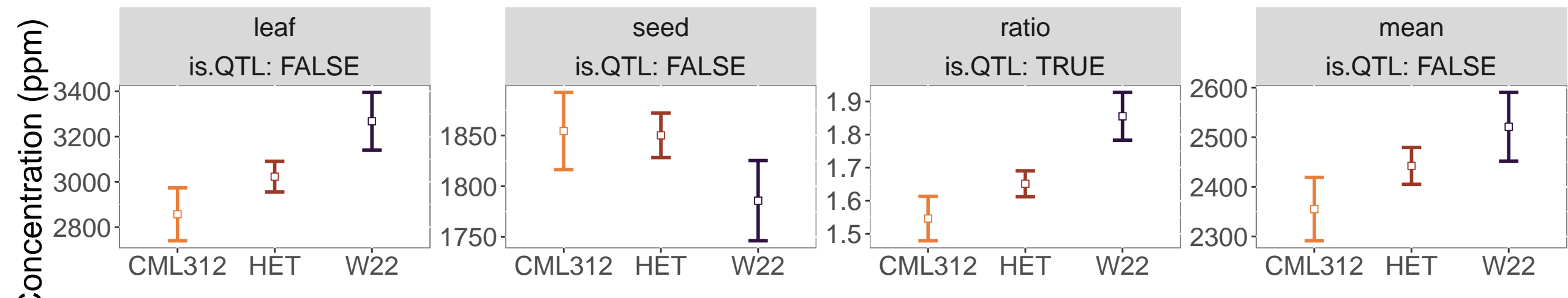
Effect plots for Mg_leaf QTL in position 3@30



Genotype

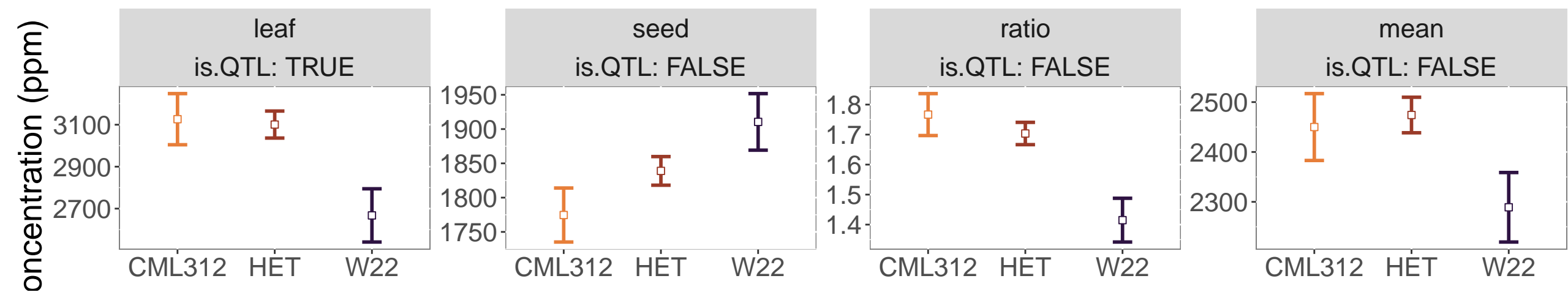
- CML312
- HET
- W22

Effect plots for Mg_ratio QTL in position 3@66

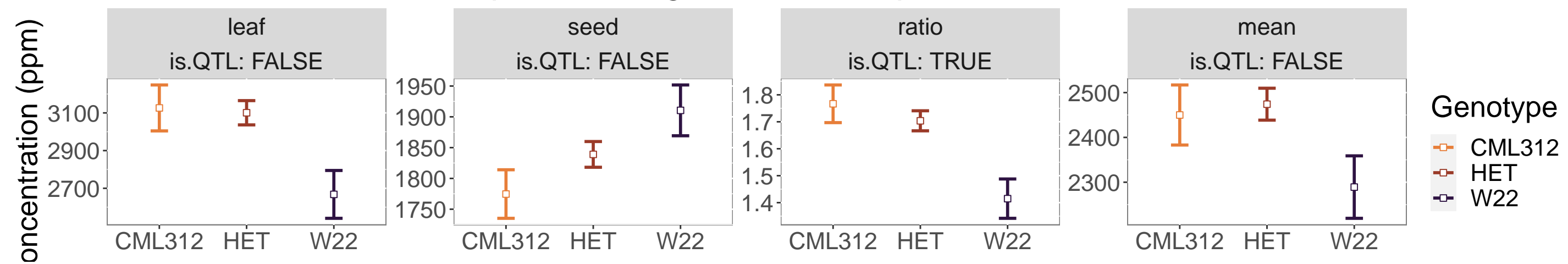


Ion: Mg

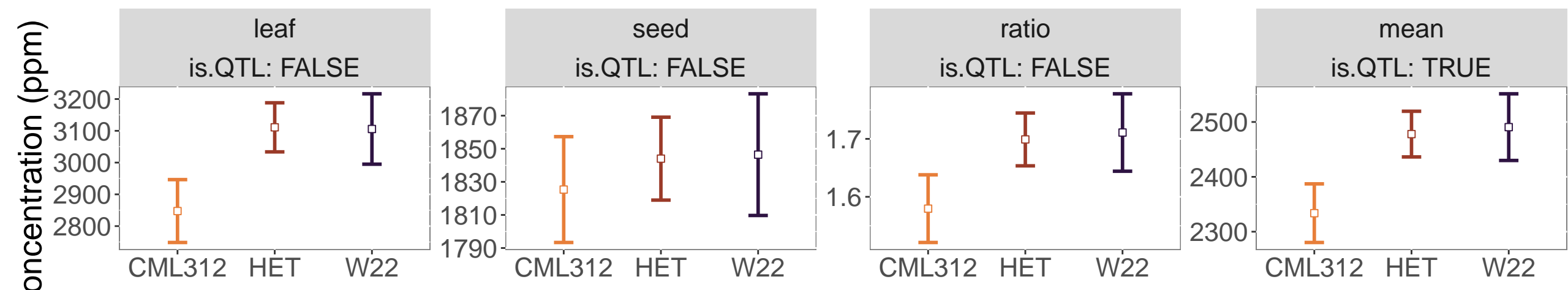
Effect plots for Mg_leaf QTL in position 7@45



Effect plots for Mg_ratio QTL in position 7@45

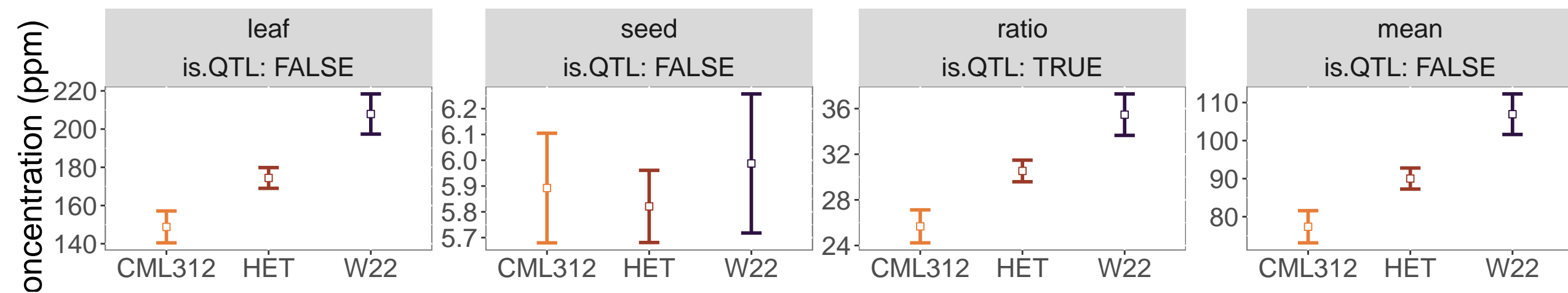


Effect plots for Mg_mean QTL in position 7@117

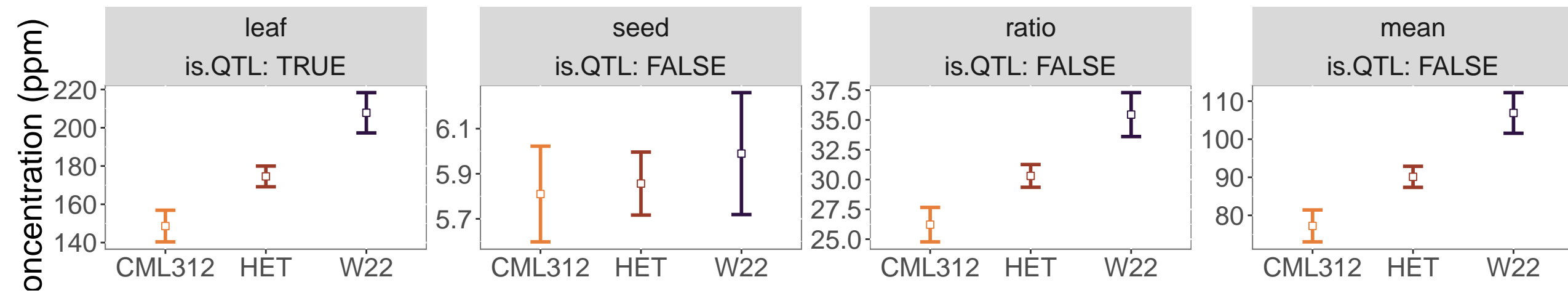


Ion: Mn

Effect plots for Mn_ratio QTL in position 1@155



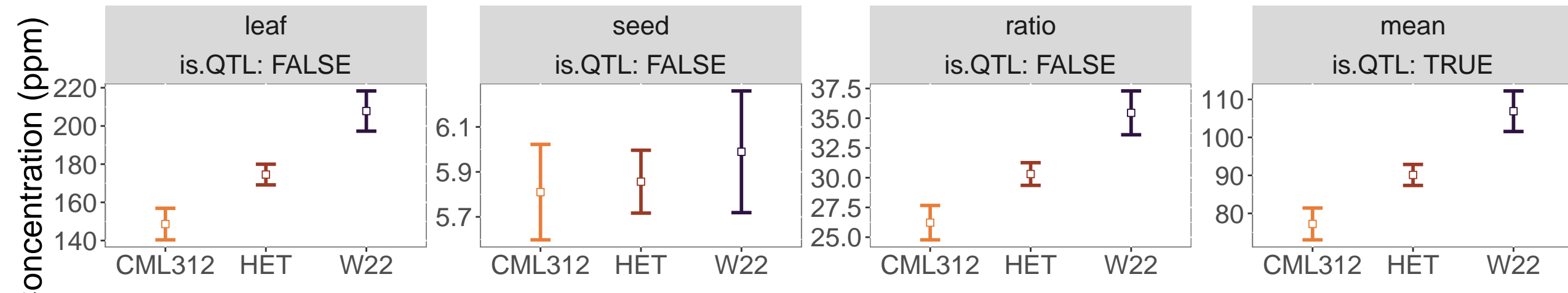
Effect plots for Mn_leaf QTL in position 1@156



Genotype

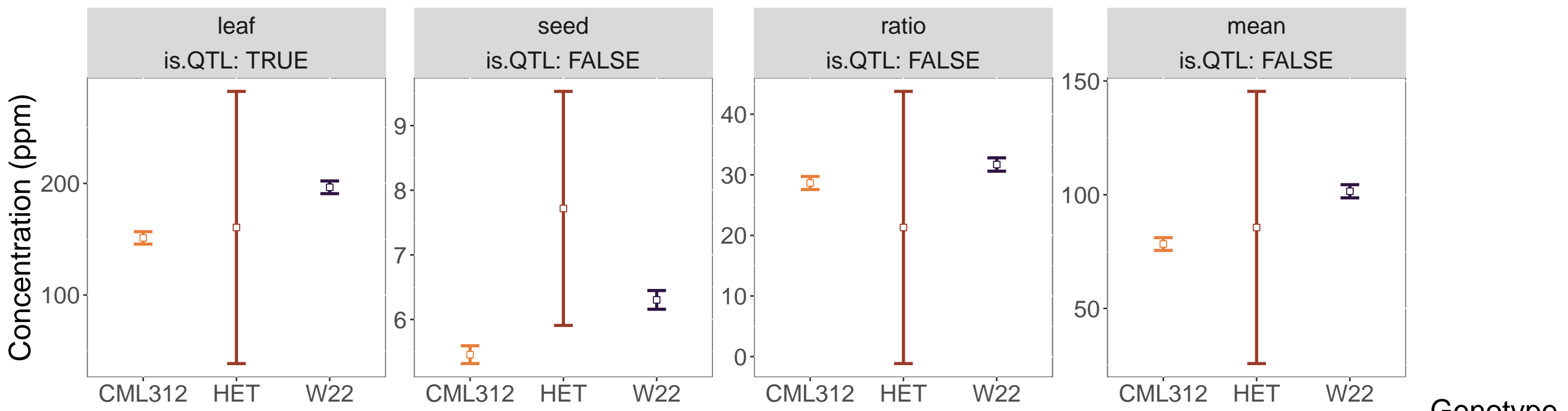
- CML312
- HET
- W22

Effect plots for Mn_mean QTL in position 1@156

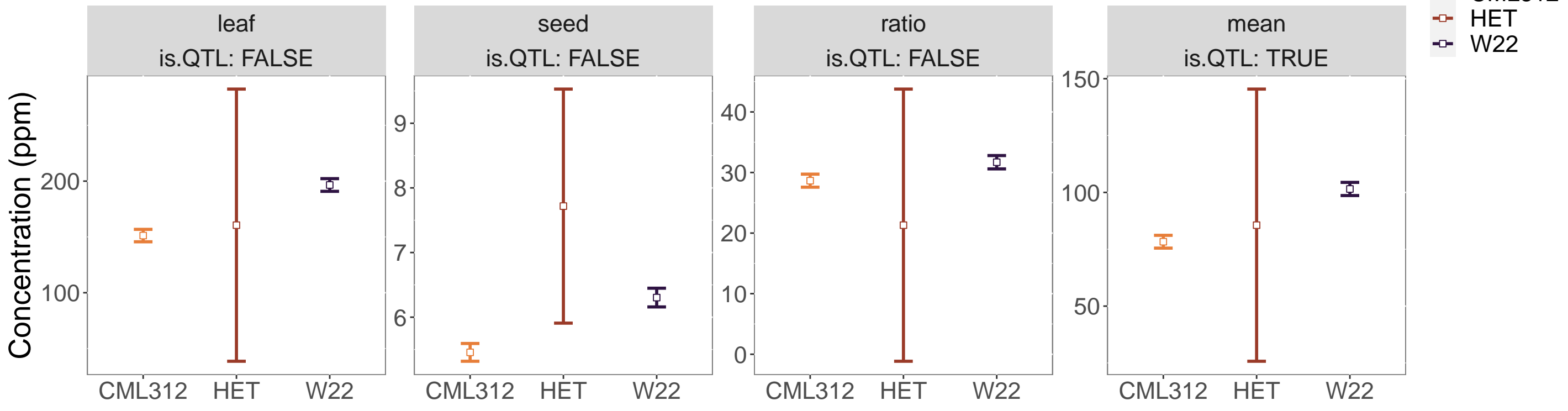


Ion: Mn

Effect plots for Mn_leaf QTL in position 5@0



Effect plots for Mn_mean QTL in position 5@0

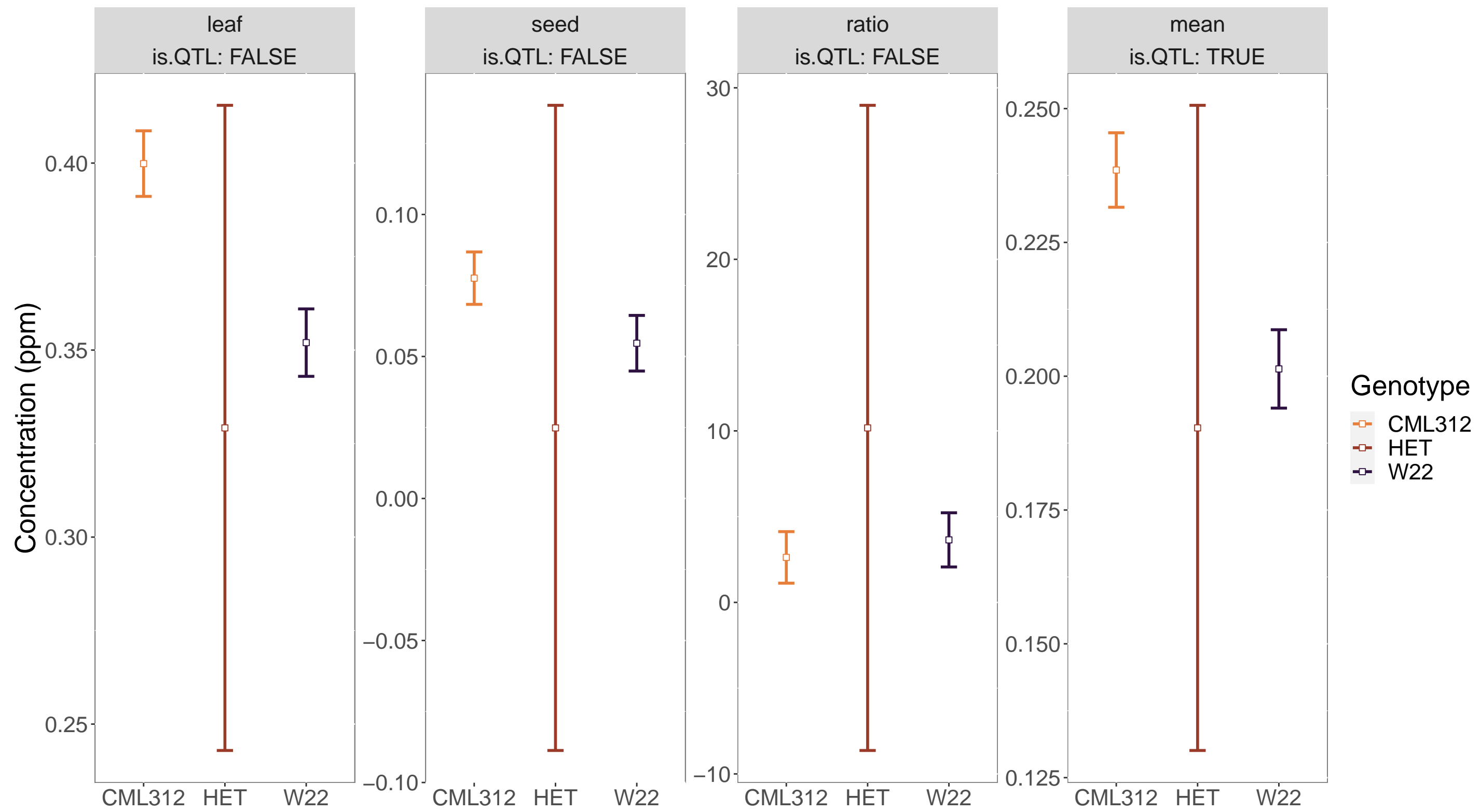


Genotype

- CML312
- HET
- W22

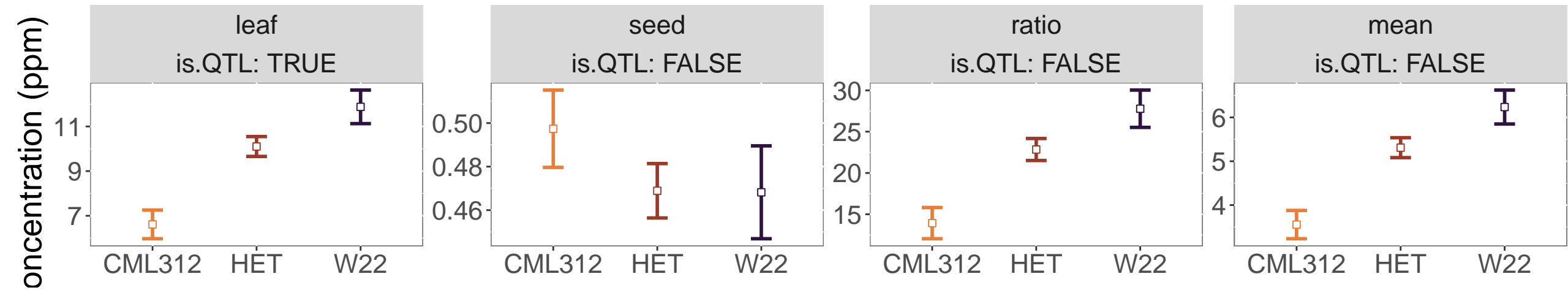
Ion: Mo

Effect plots for Mo_mean QTL in position 5@0

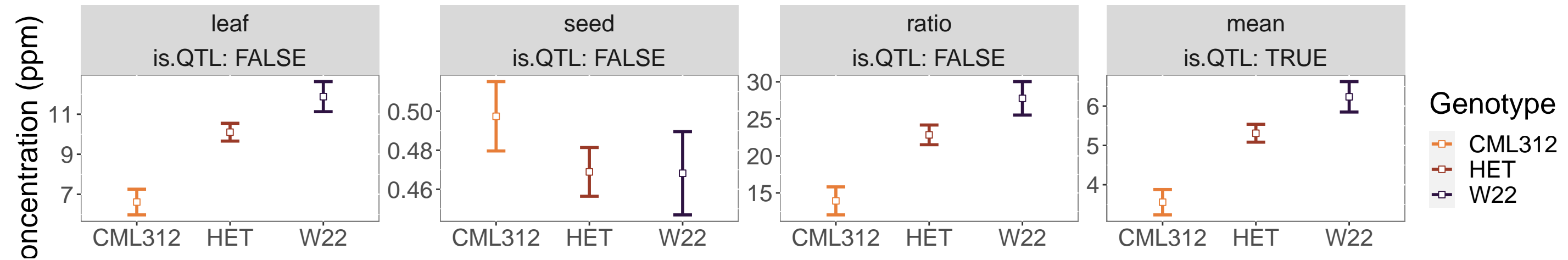


Ion: Na

Effect plots for Na_leaf QTL in position 9@65



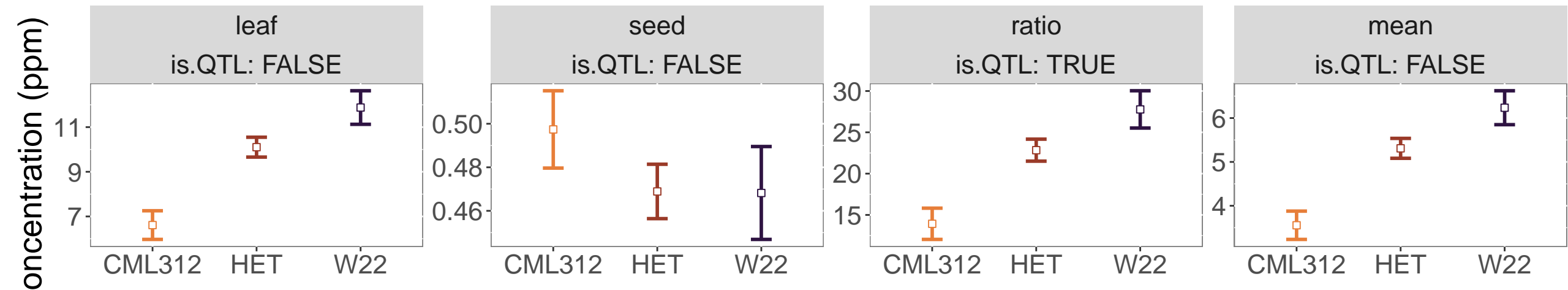
Effect plots for Na_mean QTL in position 9@65



Genotype

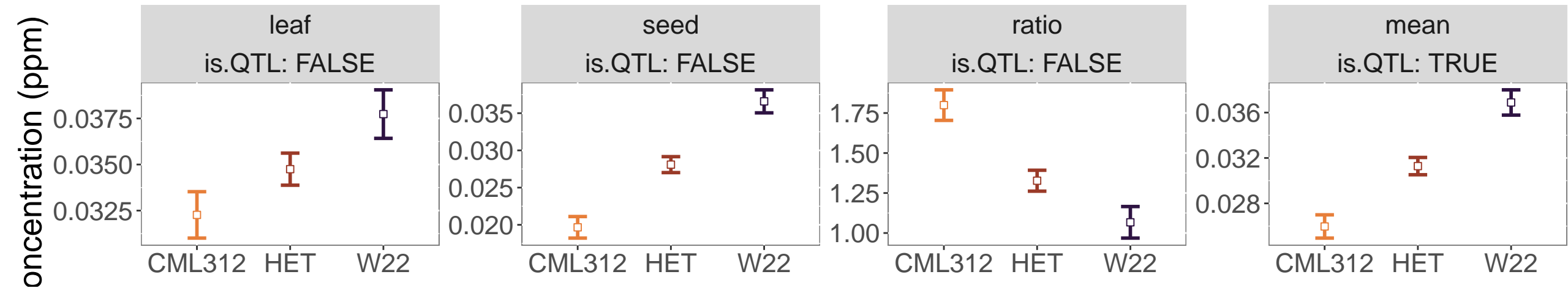
- CML312
- HET
- W22

Effect plots for Na_ratio QTL in position 9@65

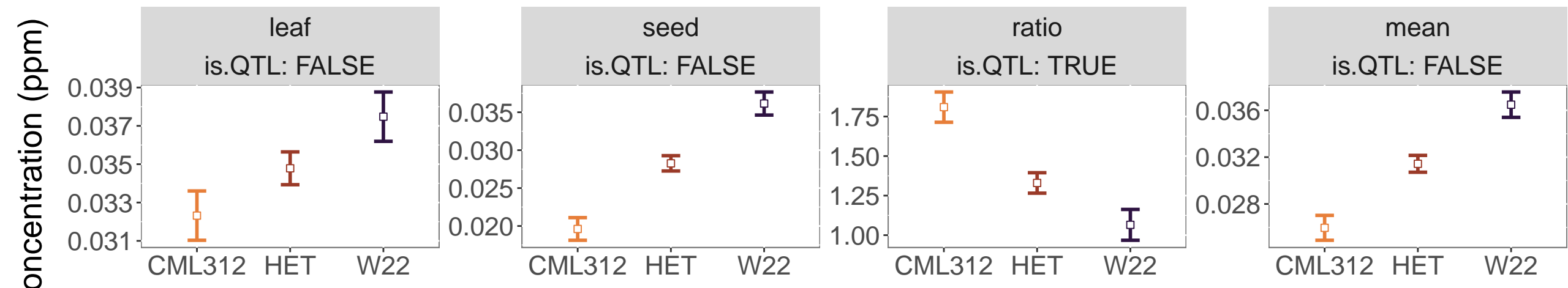


Ion: Ni

Effect plots for Ni_mean QTL in position 9@1



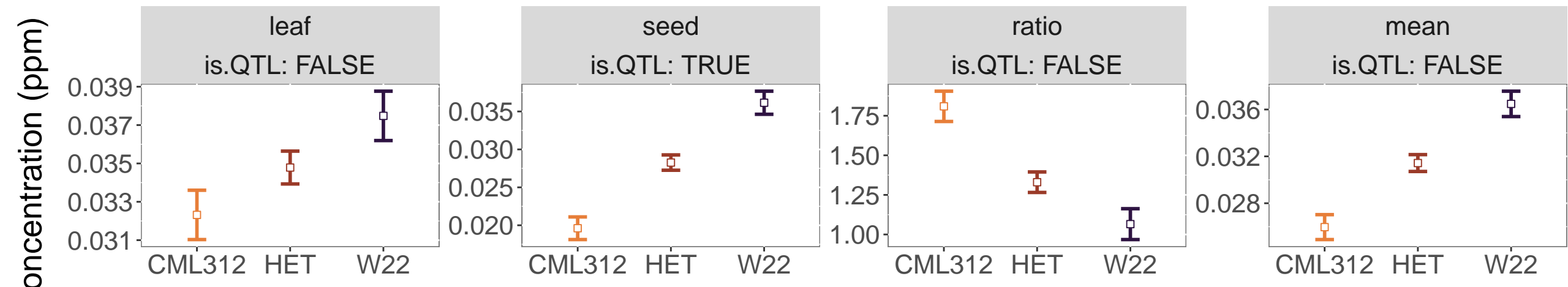
Effect plots for Ni_ratio QTL in position 9@2



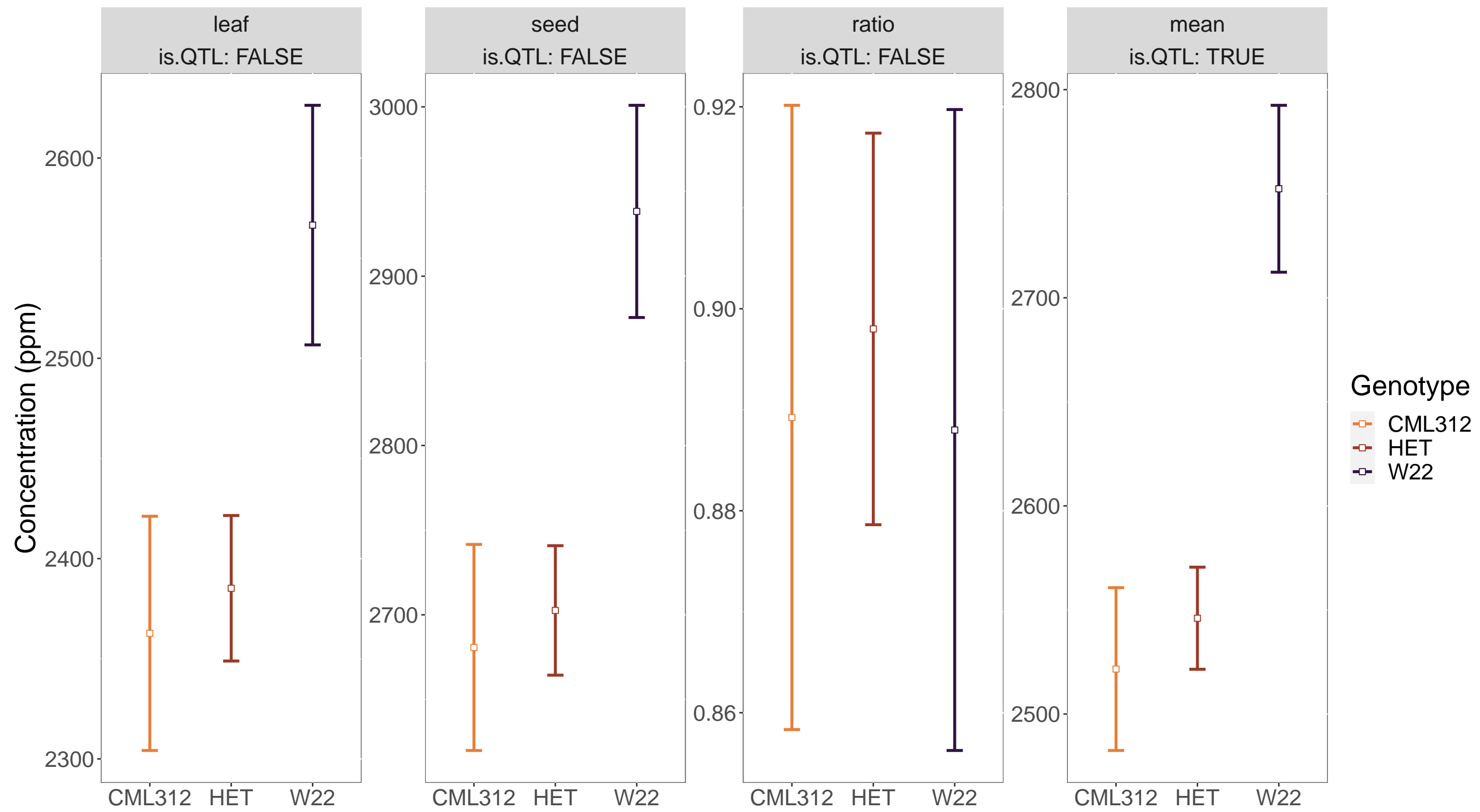
Genotype

- CML312
- HET
- W22

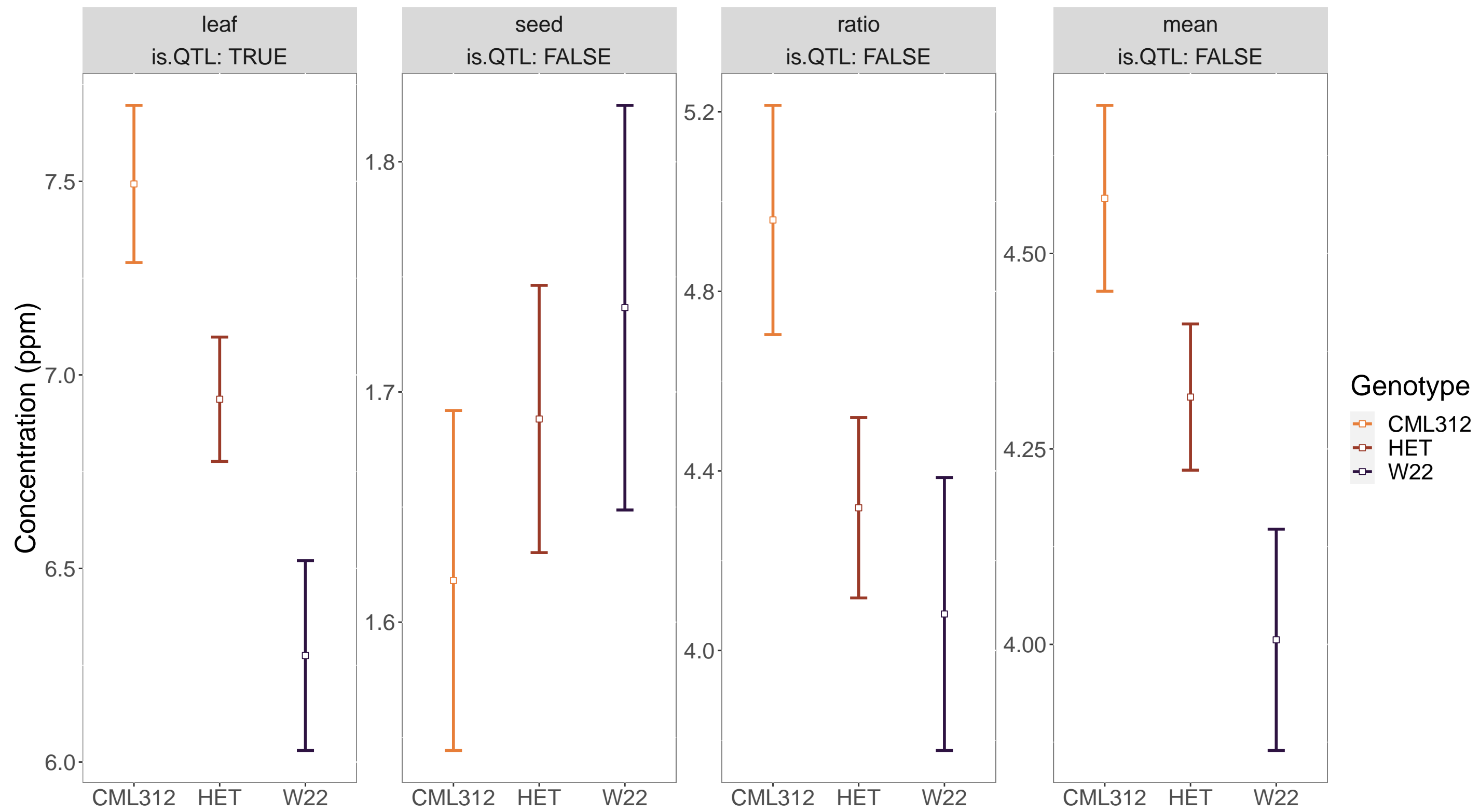
Effect plots for Ni_seed QTL in position 9@2



Effect plots for P_mean QTL in position 1@129

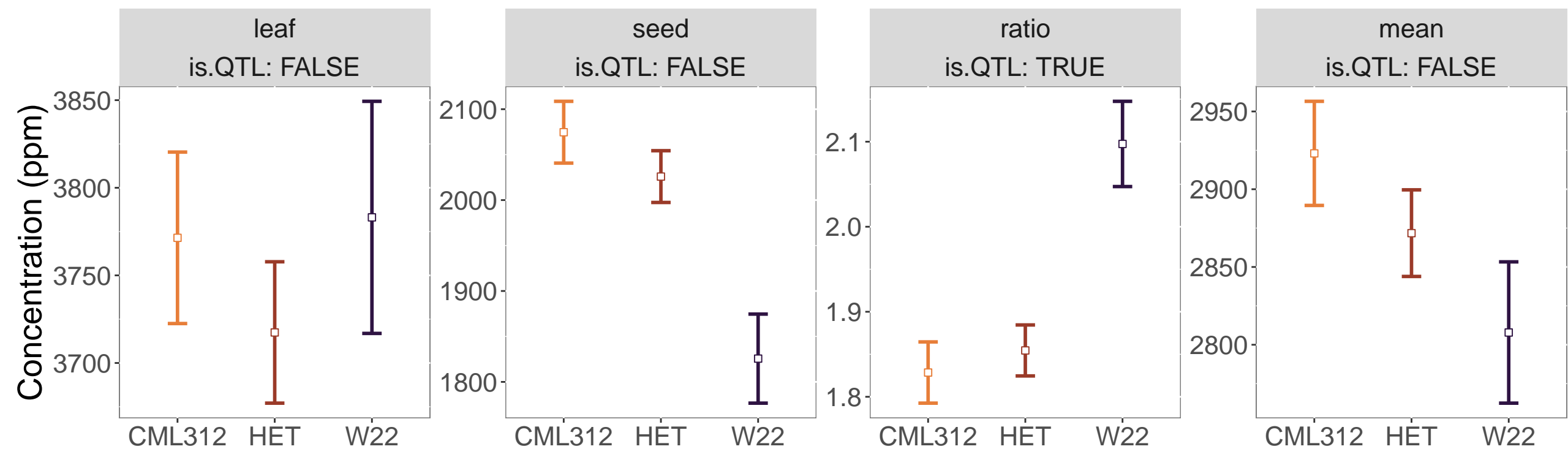


Effect plots for Rb_leaf QTL in position 3@130

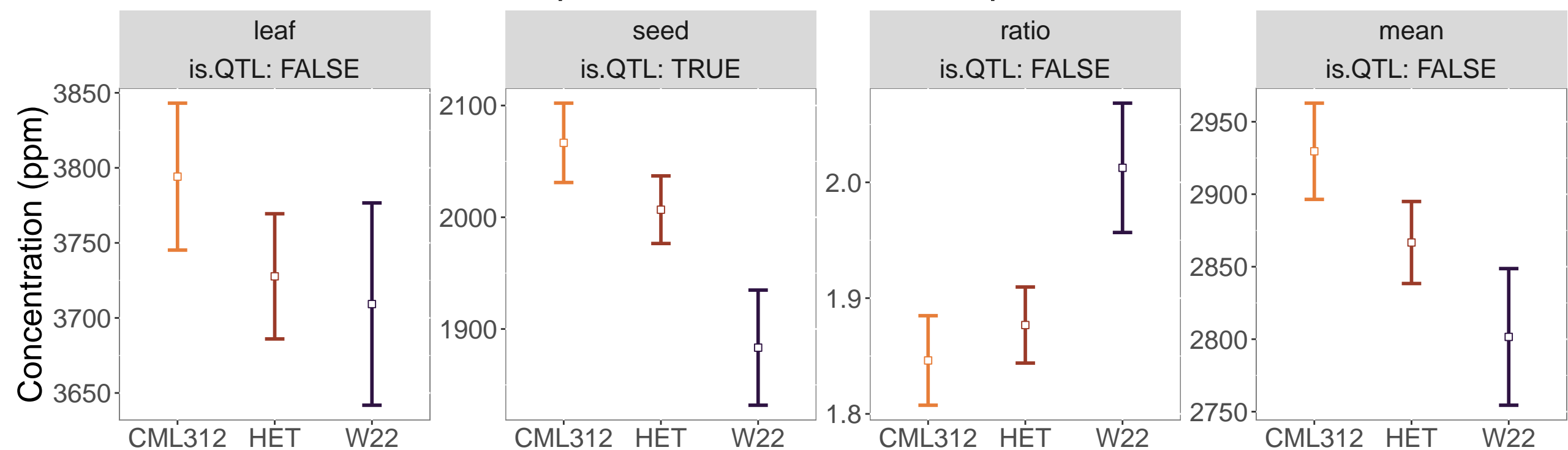


lon: S

Effect plots for S_ratio QTL in position 1@60



Effect plots for S_seed QTL in position 1@78

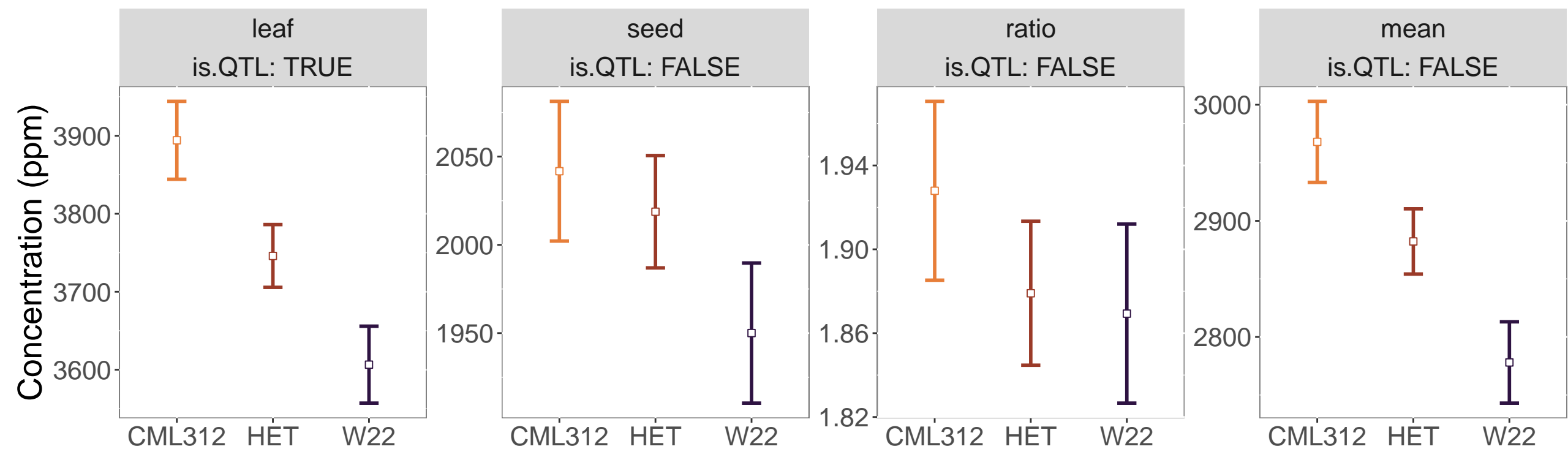


Genotype

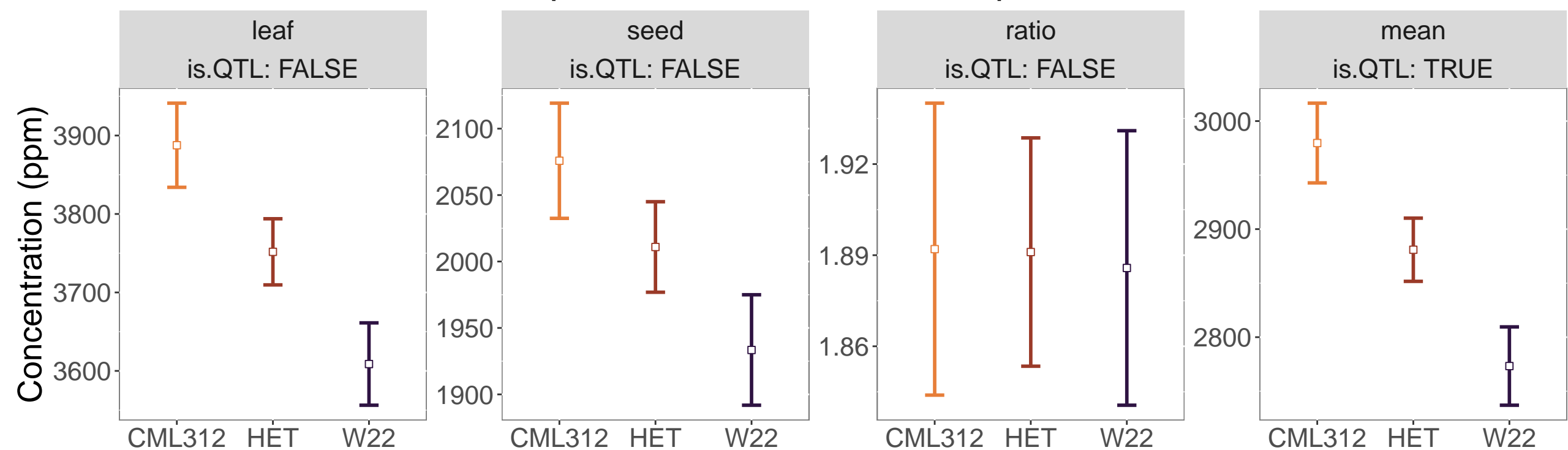


lon: S

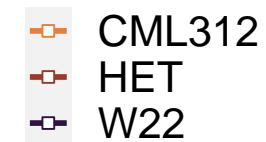
Effect plots for S_leaf QTL in position 2@6



Effect plots for S_mean QTL in position 2@11

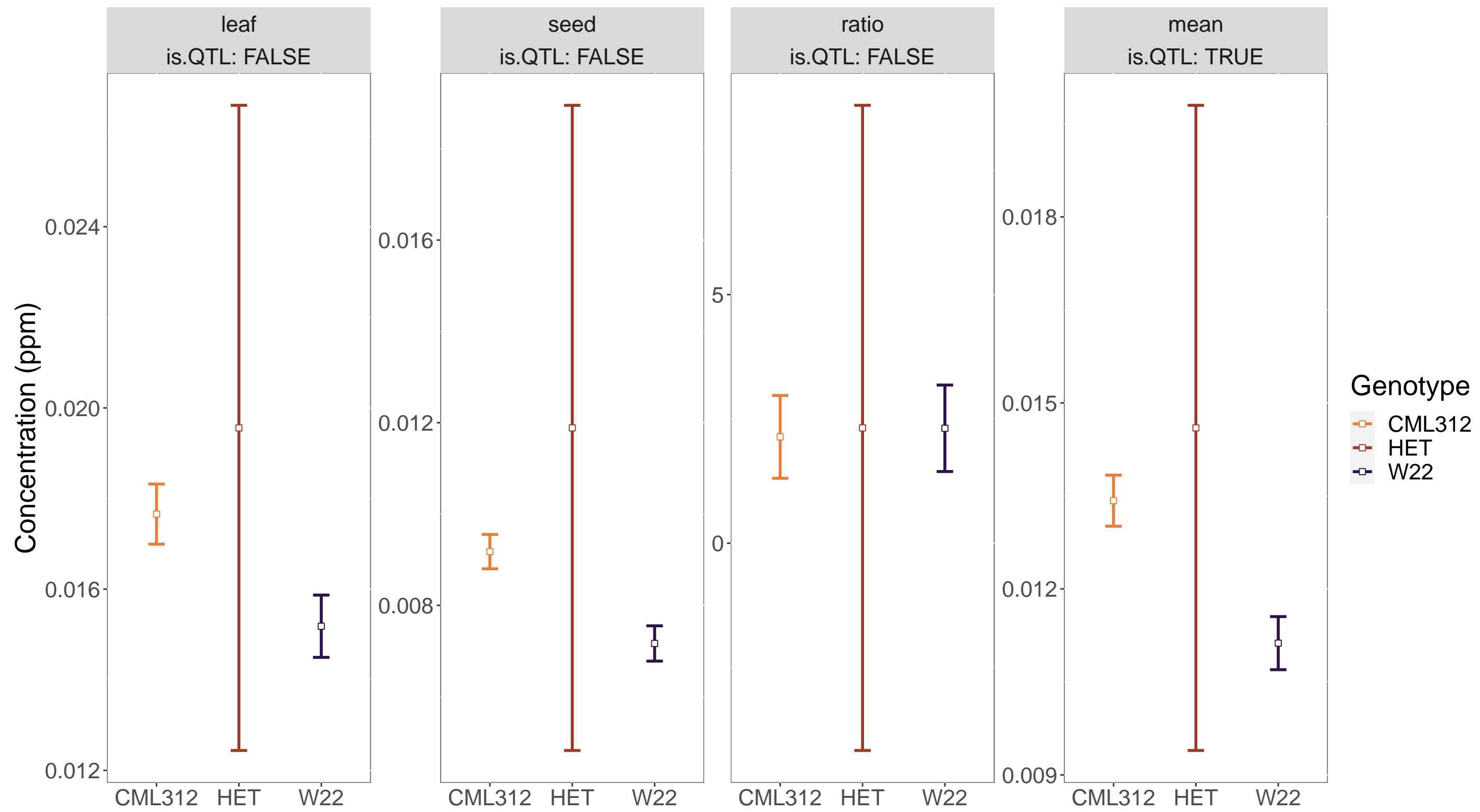


Genotype



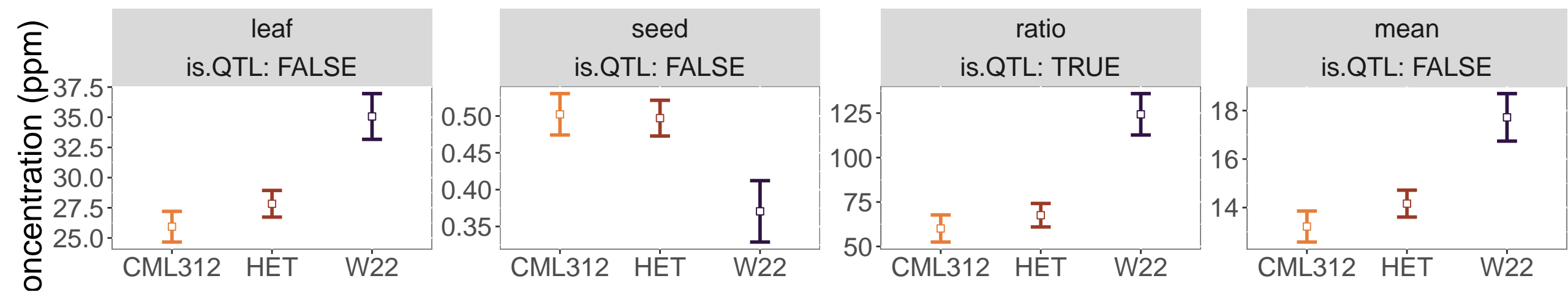
Ion: Se

Effect plots for Se_mean QTL in position 5@0

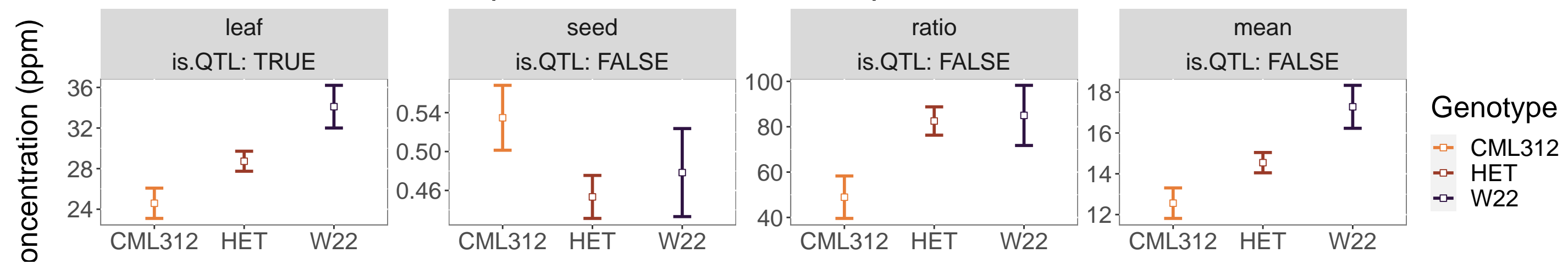


Ion: Sr

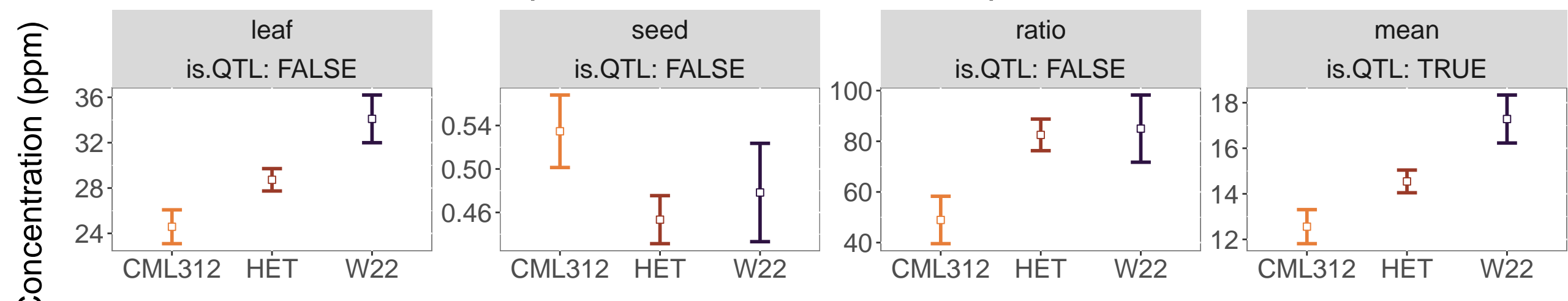
Effect plots for Sr_ratio QTL in position 1@67



Effect plots for Sr_leaf QTL in position 1@157

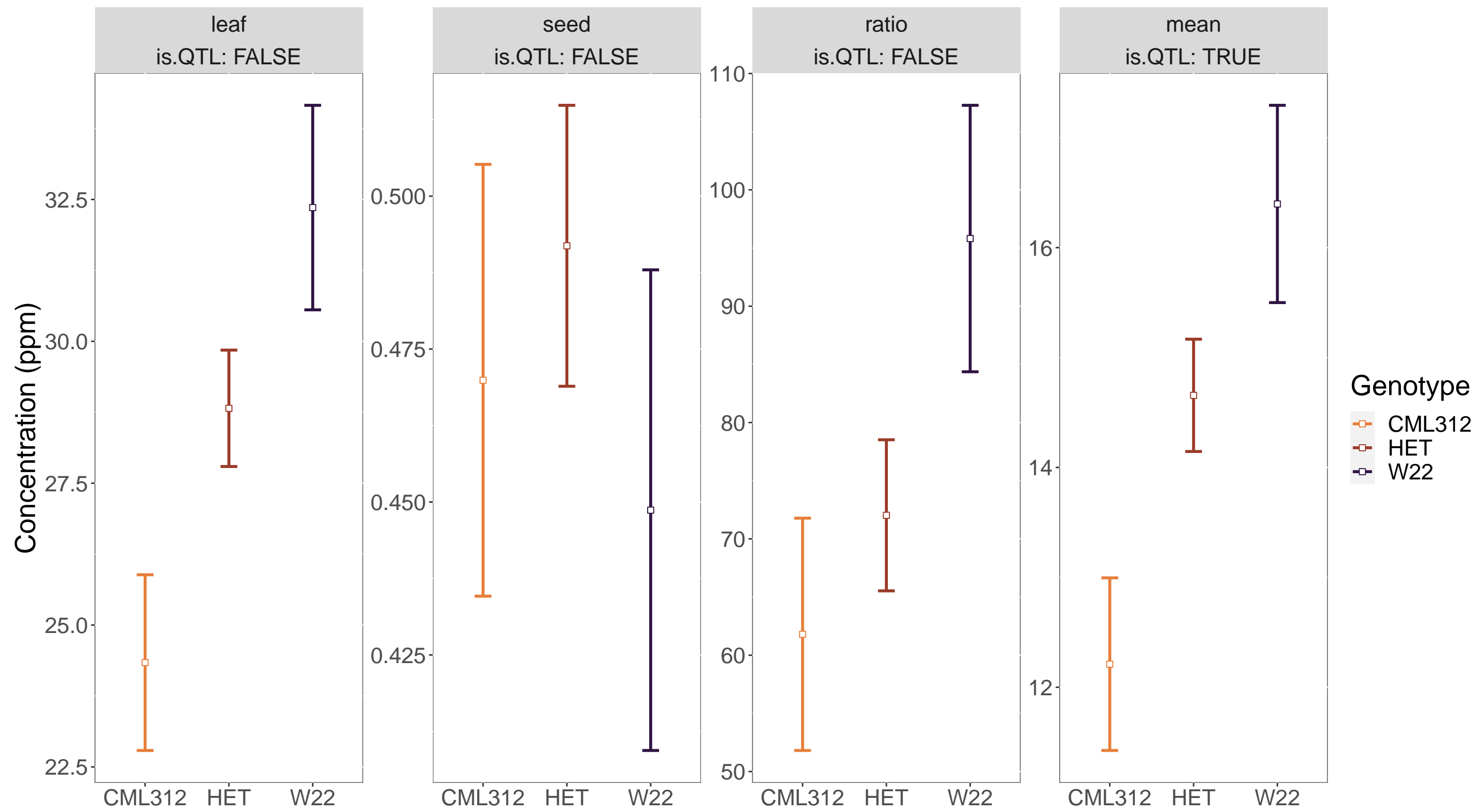


Effect plots for Sr_mean QTL in position 1@157



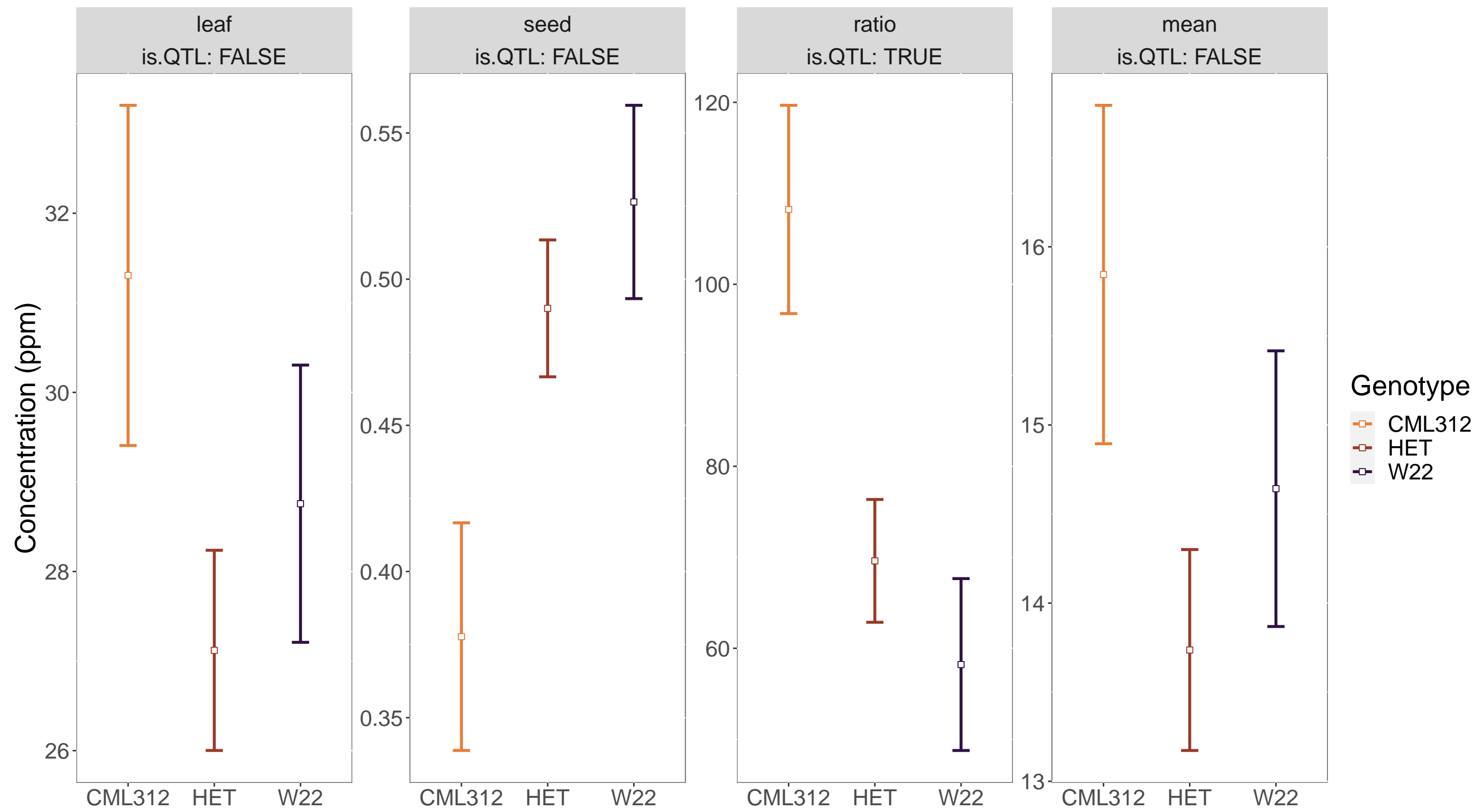
Ion: Sr

Effect plots for Sr_mean QTL in position 3@87



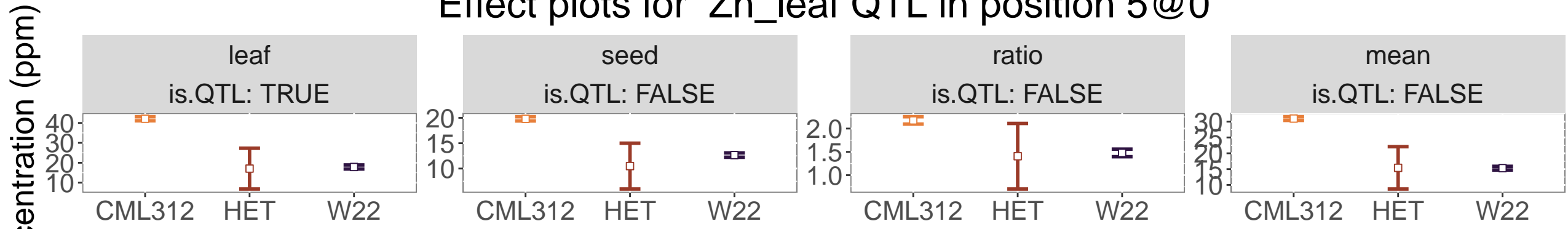
Ion: Sr

Effect plots for Sr_ratio QTL in position 5@44

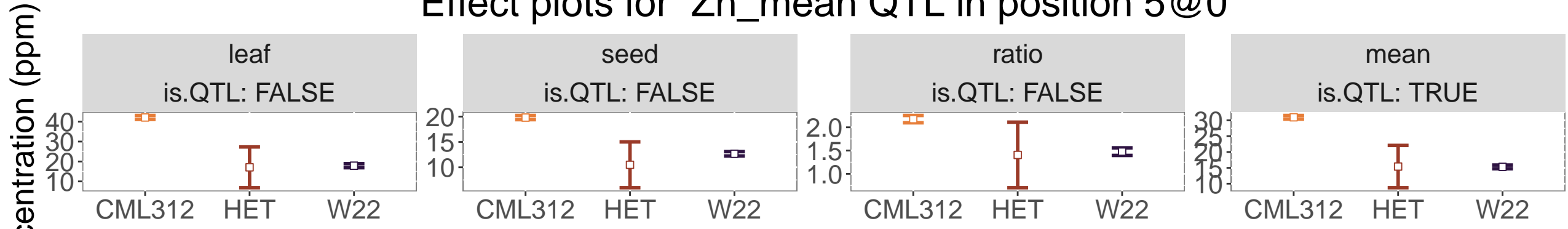


Ion: Zn

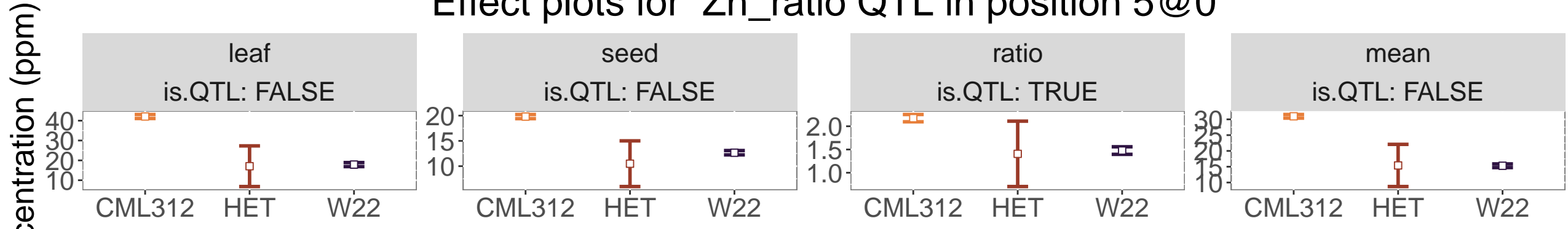
Effect plots for Zn_leaf QTL in position 5@0



Effect plots for Zn_mean QTL in position 5@0



Effect plots for Zn_ratio QTL in position 5@0



Effect plots for Zn_seed QTL in position 5@0

