Ion: As

Effect plots for As_ratio QTL in position 1@166.9

leaf
is.QTL: FALSE

seed
is.QTL: FALSE

ratio
is.QTL: TRUE

mean
is.QTL: FALSE

Concentration (ppm)

0.06
0.05
0.04

0.0065
0.0060
0.0055
0.0050

12.5
10.0
7.5

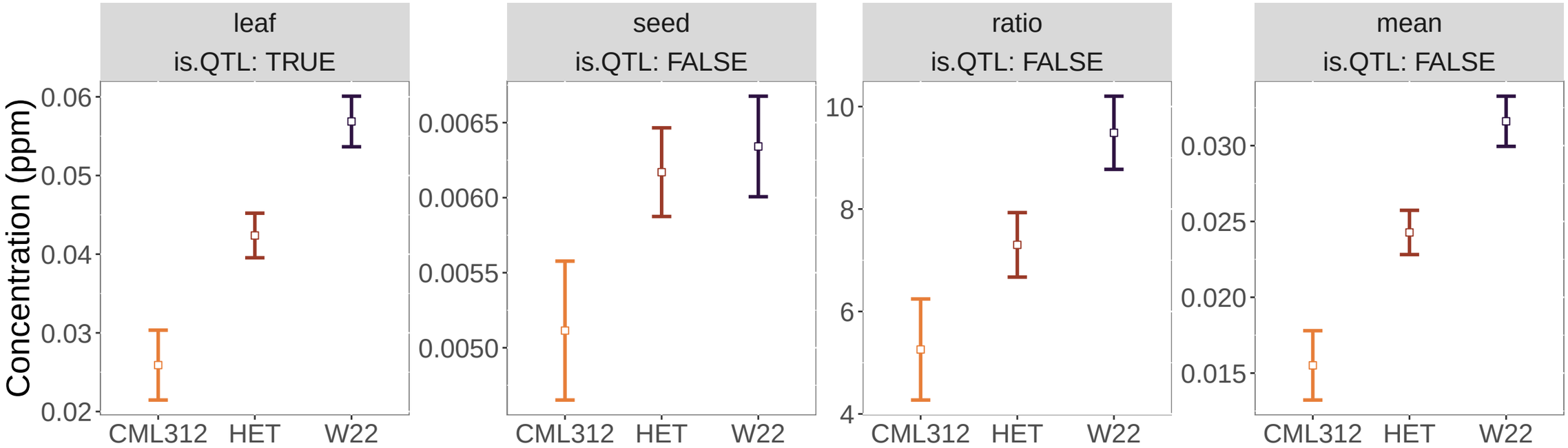
0.035
0.030
0.025
0.020

CML312 HET W22

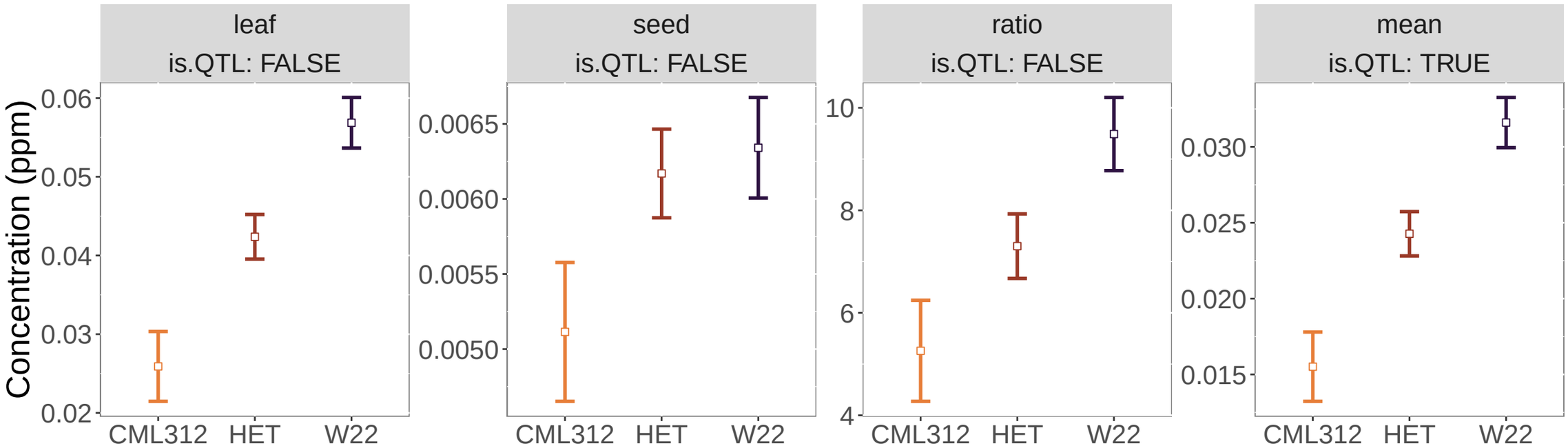
Genotype
CML312
HET
W22

Ion: As

Effect plots for As_leaf QTL in position 4@111.2

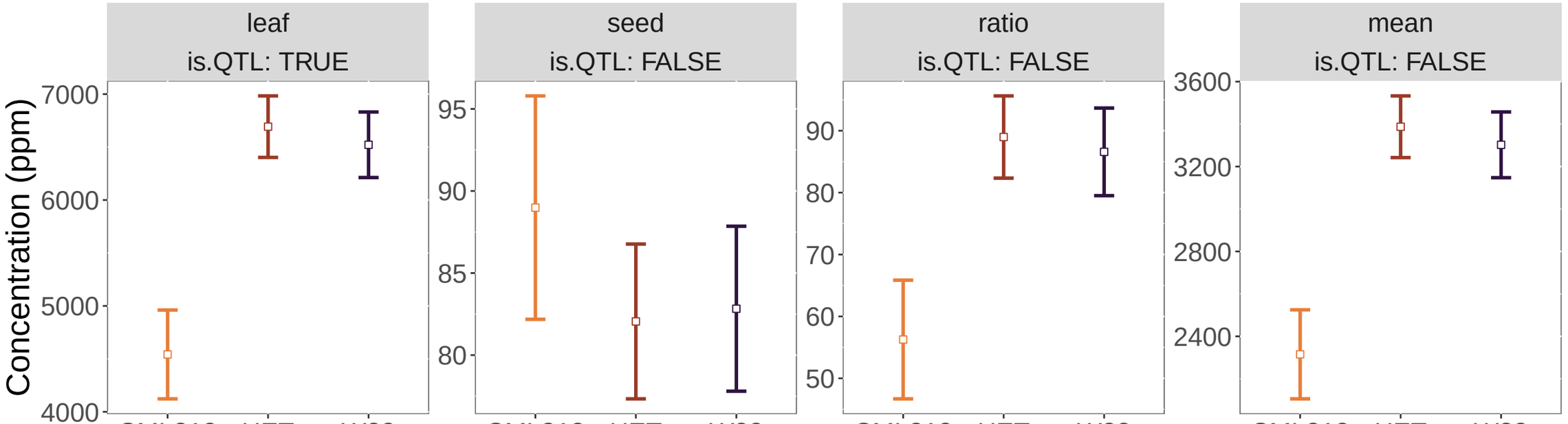


Effect plots for As_mean QTL in position 4@111.2

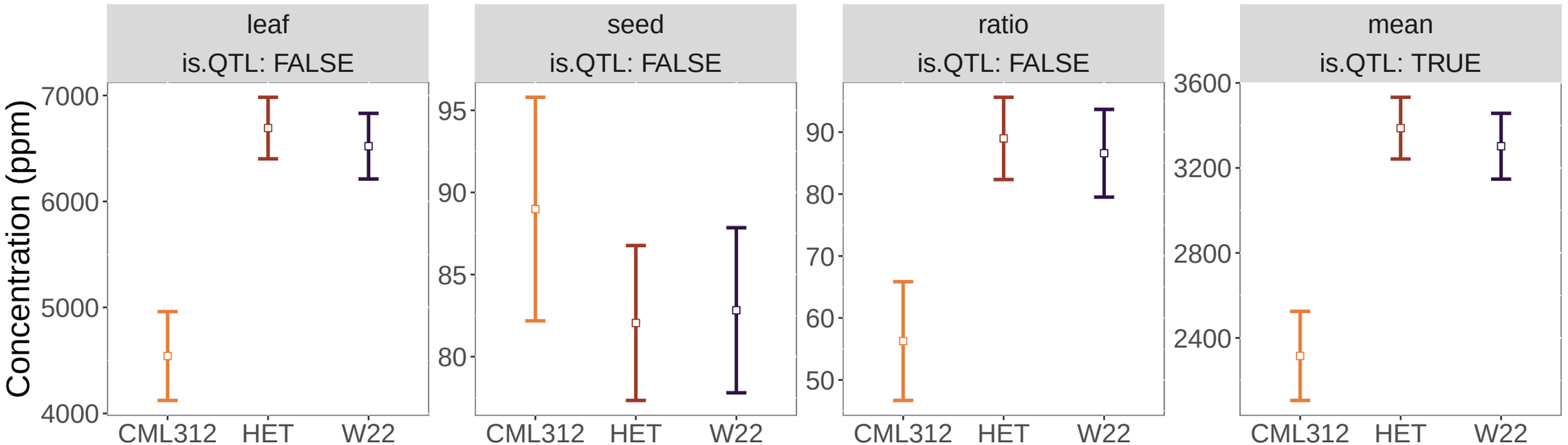


Ion: Ca

Effect plots for Ca_leaf QTL in position 4@118.4

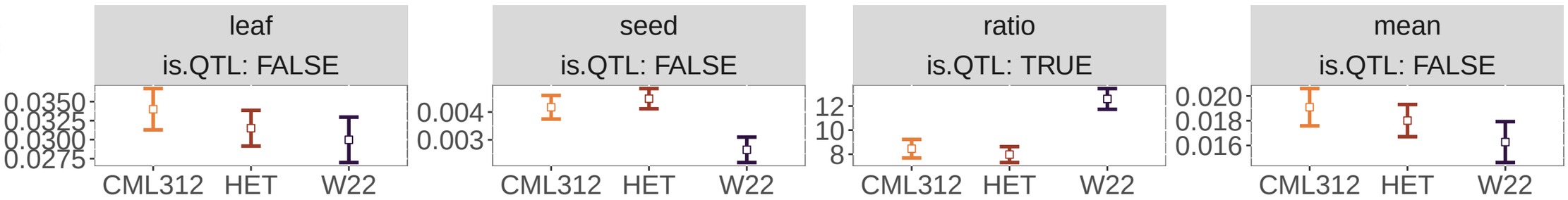


Effect plots for Ca_mean QTL in position 4@118.4

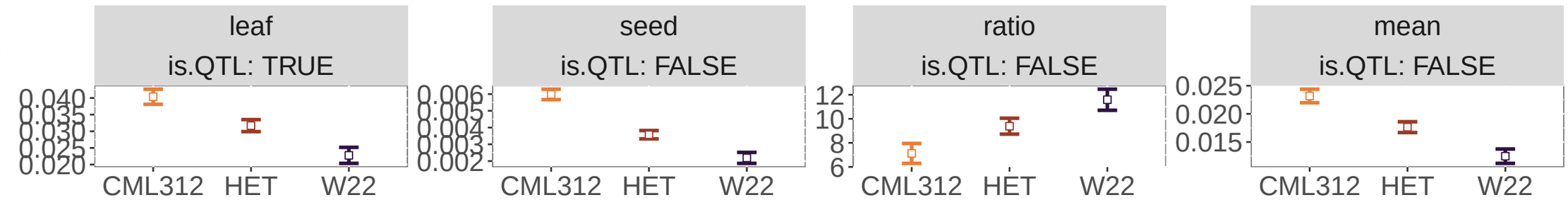


Ion: Cd

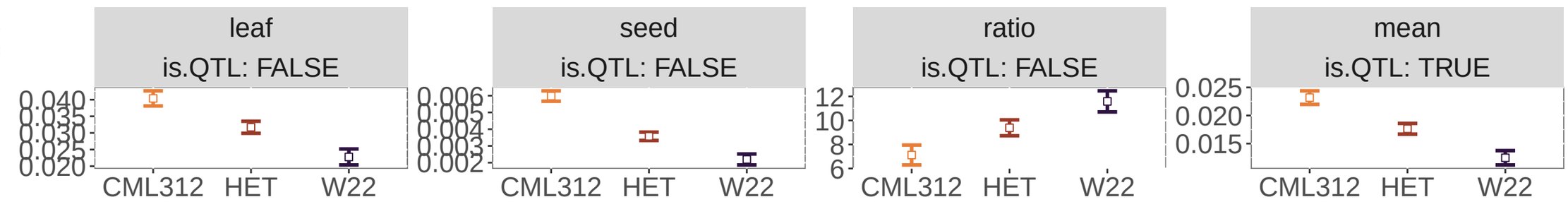
Effect plots for Cd_ratio QTL in position 2@20.5



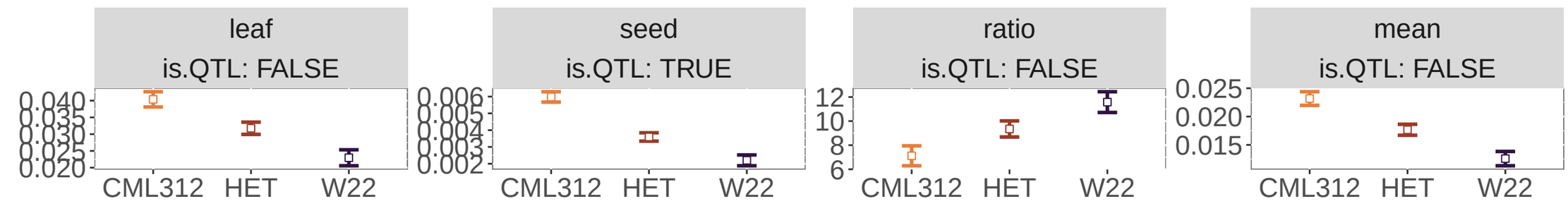
Effect plots for Cd_leaf QTL in position 2@58



Effect plots for Cd_mean QTL in position 2@58



Effect plots for Cd_seed QTL in position 2@58.5



Genotype

- CML312
- HET
- W22

Ion: Cu

Effect plots for Cu_mean QTL in position 7@93

leaf
is.QTL: FALSE

seed
is.QTL: FALSE

ratio
is.QTL: FALSE

mean
is.QTL: TRUE

Concentration (ppm)

6.5
6.0
5.5
5.0

1.9
1.8
1.7
1.6

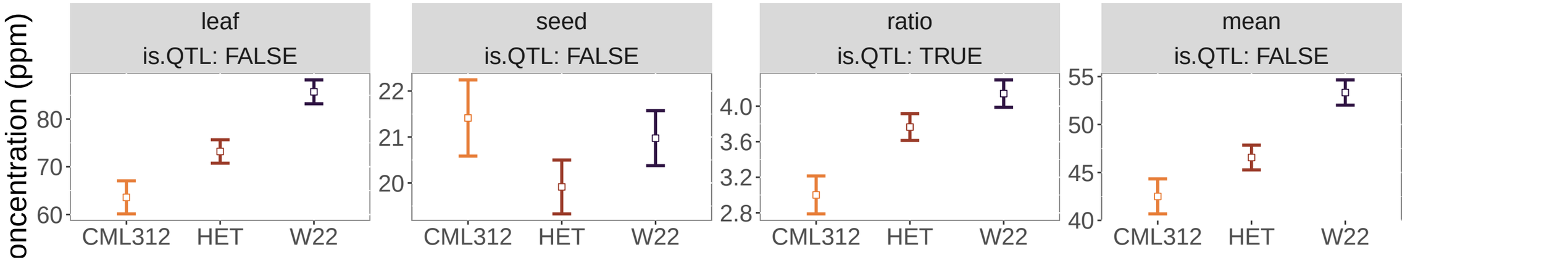
3.8
3.6
3.4
3.2

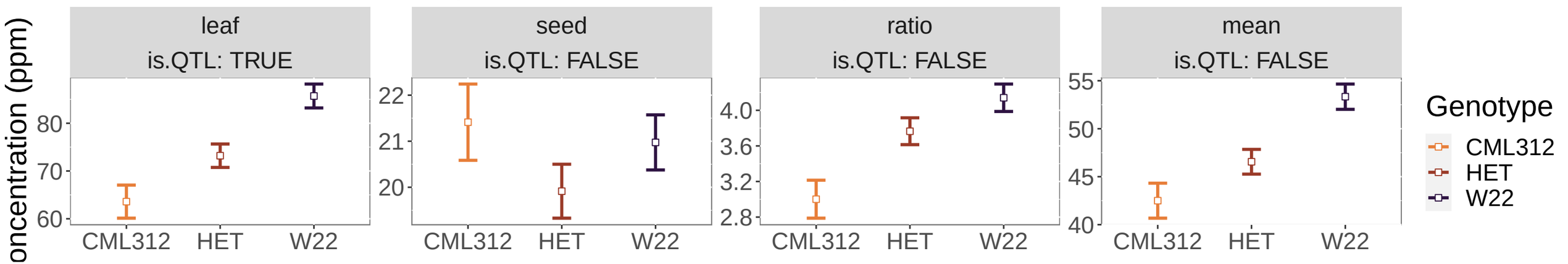
4.2
3.9
3.6

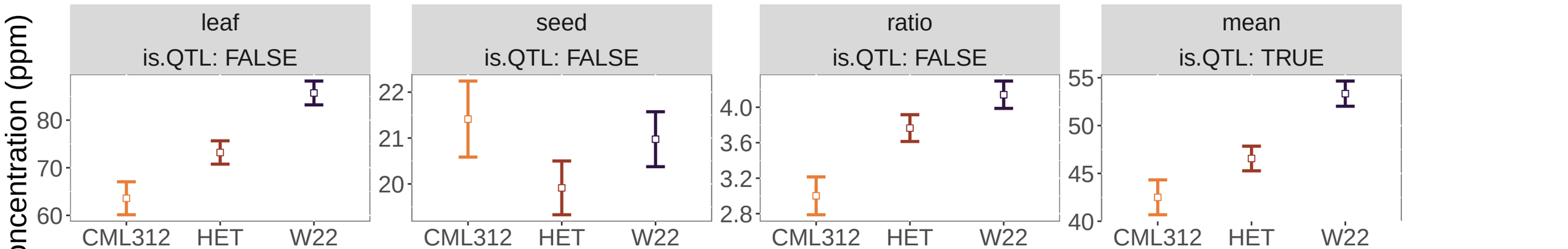
CML312 HET W22

Genotype
CML312
HET
W22

Ion: Fe

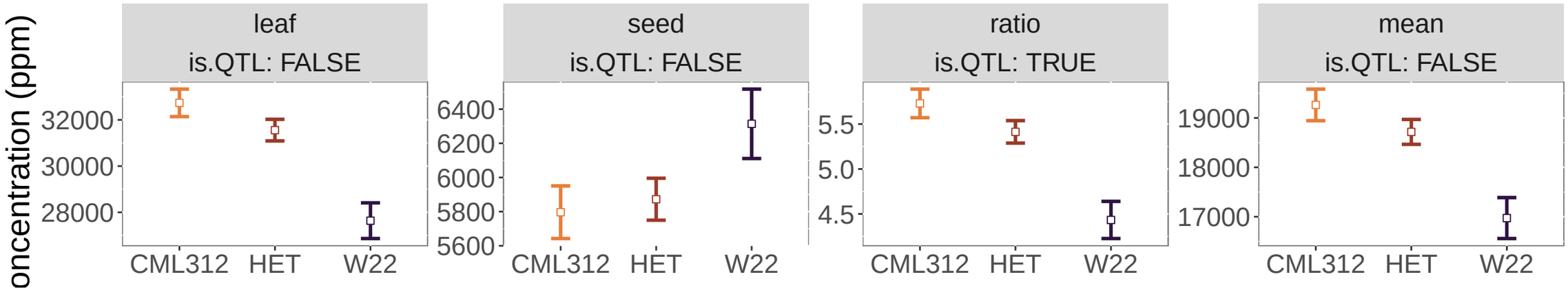

Effect plots for Fe_ratio QTL in position 4@115.5
leaf
is.QTL: FALSE
seed
is.QTL: FALSE
ratio
is.QTL: TRUE
mean
is.QTL: FALSE
oncentration (ppm)
80
70
60
22
21
20
4.0
3.6
3.2
2.8
55
50
45
40
CML312
HET
W22


Effect plots for Fe_leaf QTL in position 4@116.4
leaf
is.QTL: TRUE
seed
is.QTL: FALSE
ratio
is.QTL: FALSE
mean
is.QTL: FALSE
(ppm)
80
70
60
22
21
20
4.0
3.6
3.2
2.8
55
50
45
40
CML312
HET
W22
Genotype
CML312
HET
W22

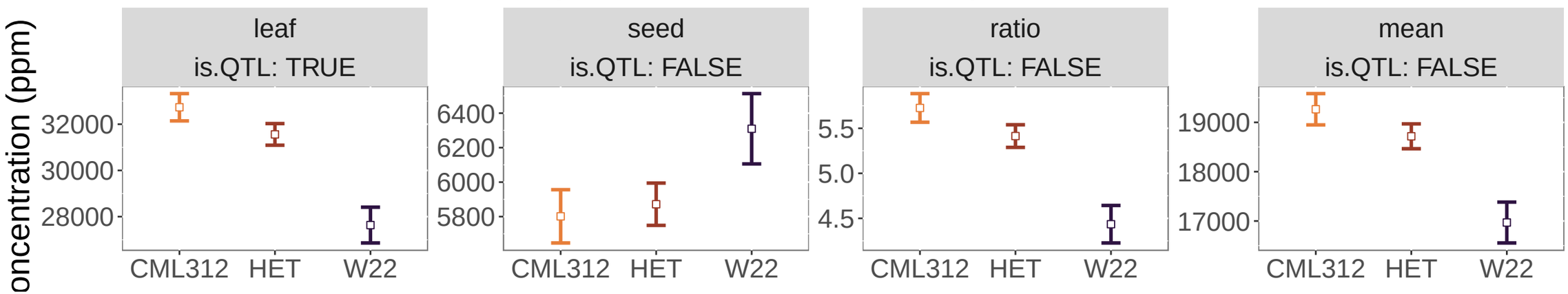

Effect plots for Fe_mean QTL in position 4@116.4
leaf
is.QTL: FALSE
seed
is.QTL: FALSE
ratio
is.QTL: FALSE
mean
is.QTL: TRUE
Concentration (ppm)
80
70
60
22
21
20
4.0
3.6
3.2
2.8
55
50
45
40
CML312
HET
W22

Ion: K

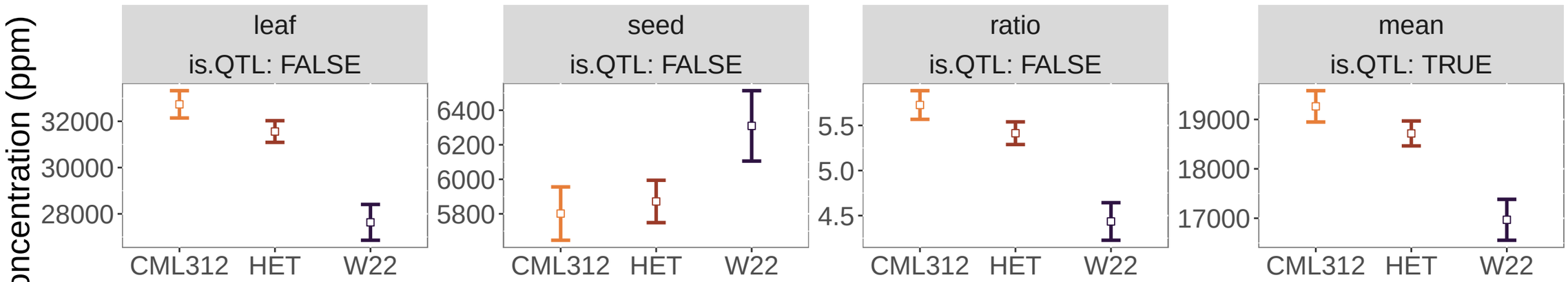
Effect plots for K_ratio QTL in position 3@133.5



Effect plots for K_leaf QTL in position 3@134

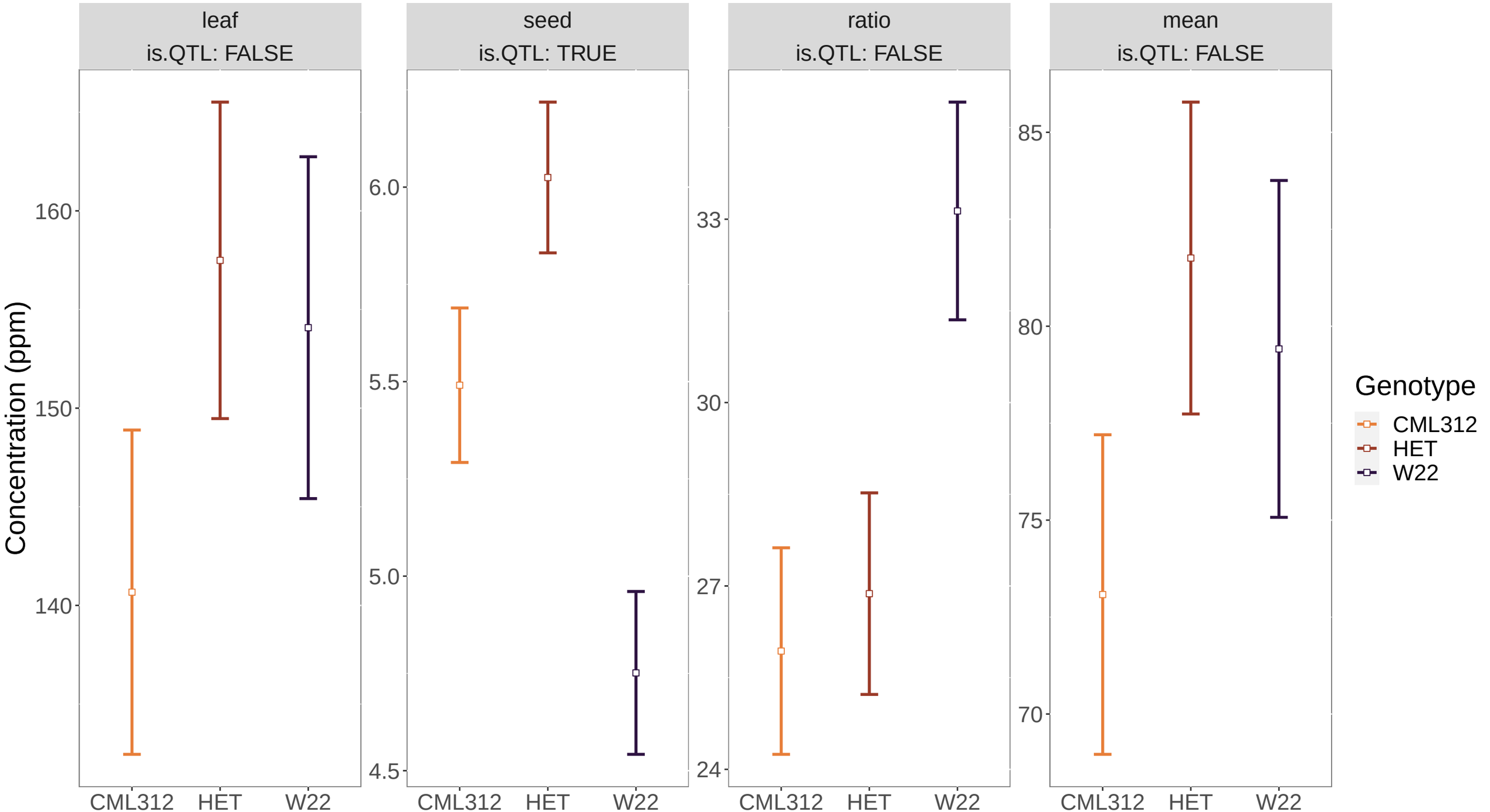


Effect plots for K_mean QTL in position 3@134

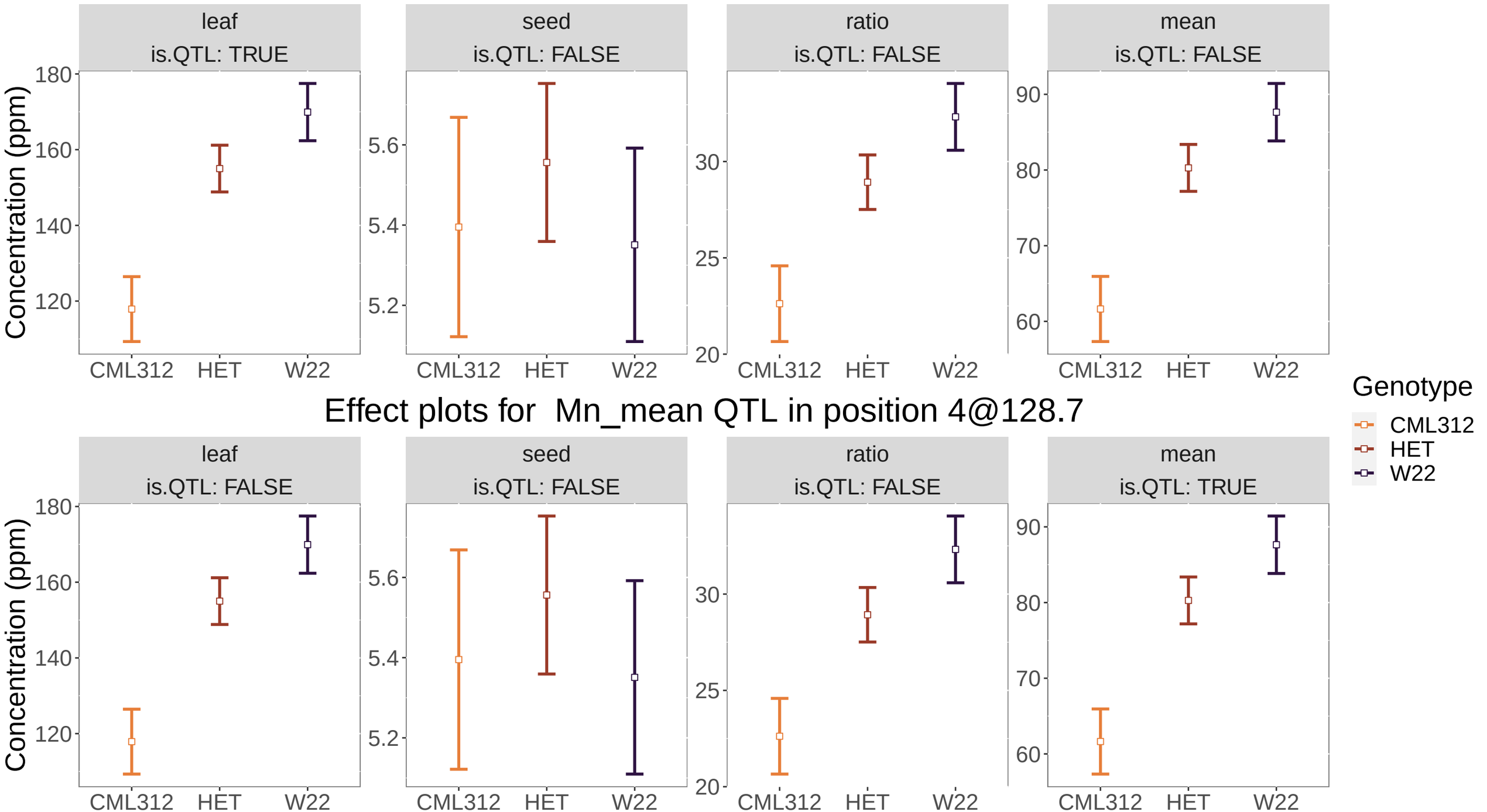


Ion: Mn

Effect plots for Mn_seed QTL in position 2@51.6



Ion: Mn


Effect plots for Mn_leaf QTL in position 4@128.7
leaf
is.QTL: TRUE
seed
is.QTL: FALSE
ratio
is.QTL: FALSE
mean
is.QTL: FALSE
Concentration (ppm)
180
160
140
120
5.6
5.4
5.2
30
25
20
90
80
70
60
CML312
HET
W22
Effect plots for Mn_mean QTL in position 4@128.7
leaf
is.QTL: FALSE
seed
is.QTL: FALSE
ratio
is.QTL: FALSE
mean
is.QTL: TRUE
Genotype
CML312
HET
W22

Ion: Mo

Effect plots for Mo_seed QTL in position 3@0

leaf
is.QTL: FALSE

seed
is.QTL: TRUE

ratio
is.QTL: FALSE

mean
is.QTL: FALSE

Concentration (ppm)

0.425
0.400
0.375
0.350

0.09
0.06
0.03

10
5
0
−5

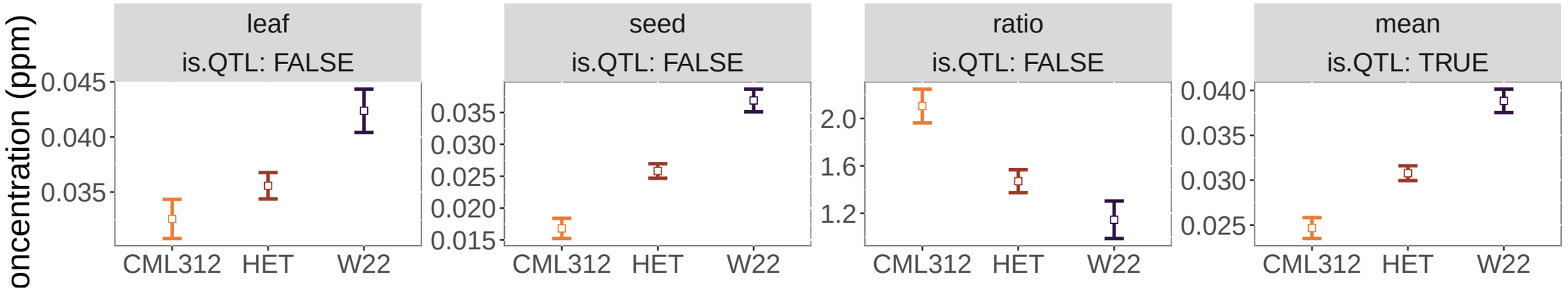
0.250
0.225
0.200

CML312 HET W22

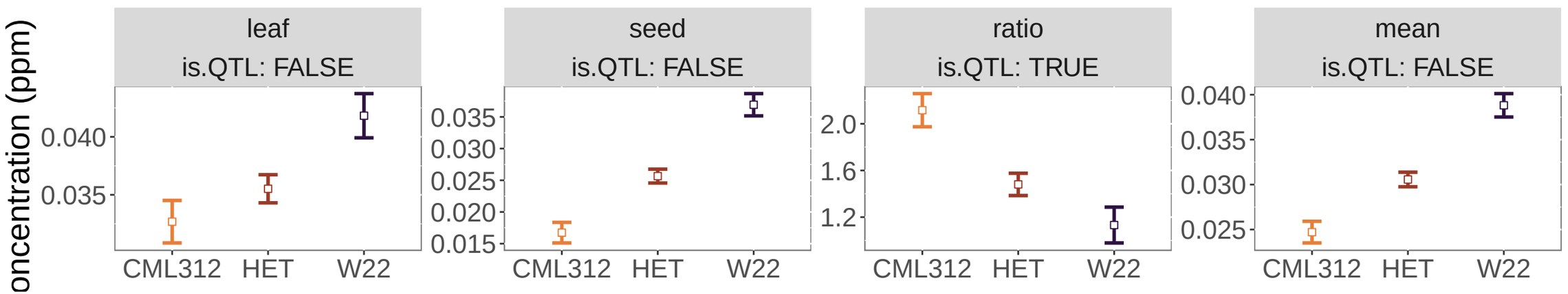
Genotype
CML312
HET
W22

Ion: Ni

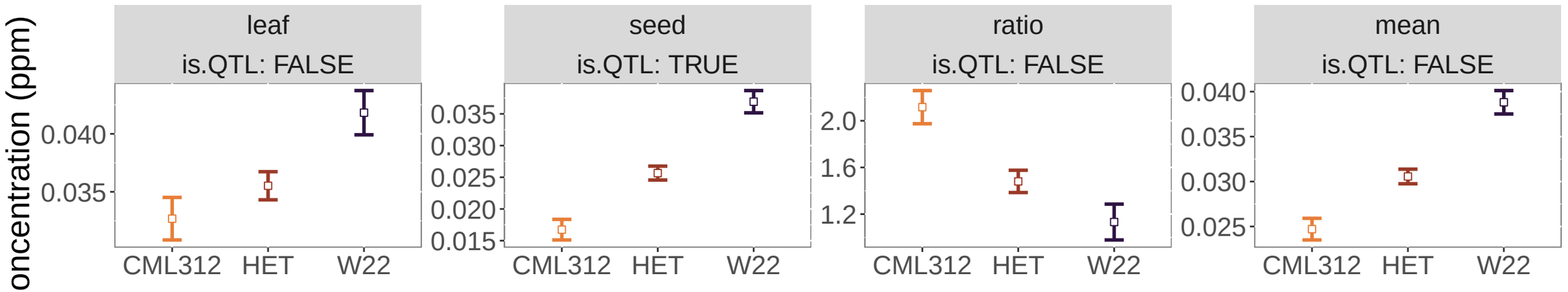
Effect plots for Ni_mean QTL in position 9@1



Effect plots for Ni_ratio QTL in position 9@2

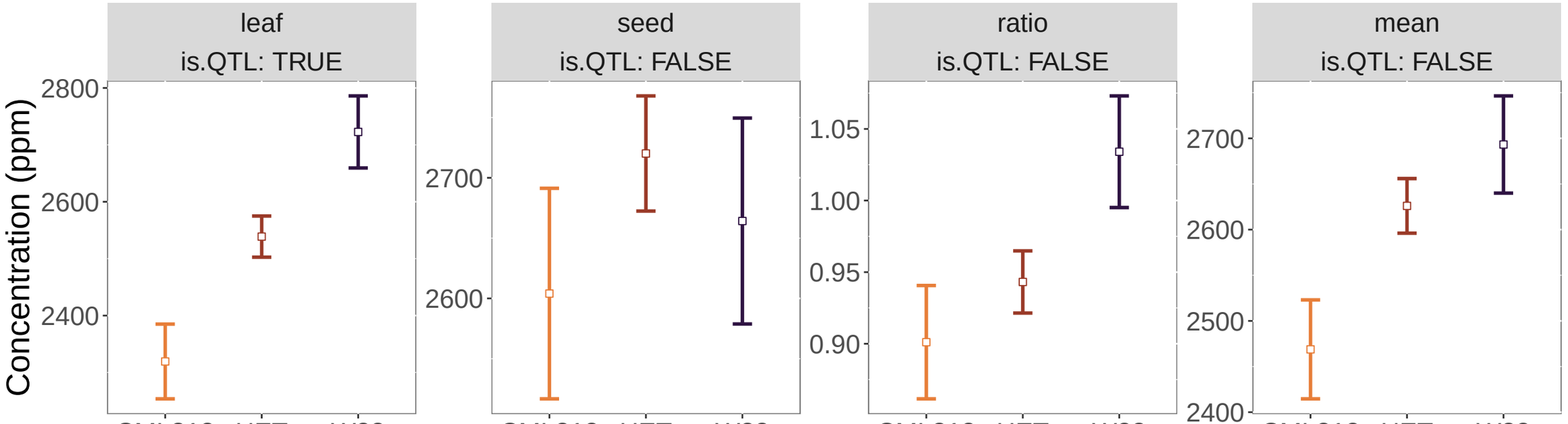


Effect plots for Ni_seed QTL in position 9@2

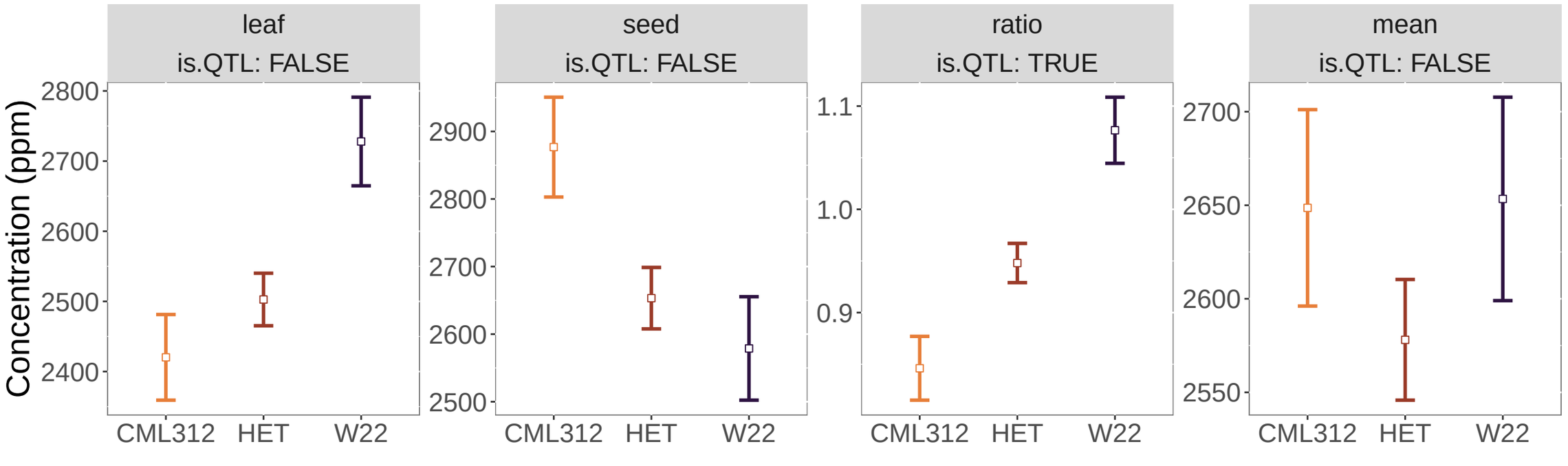


Ion: P

Effect plots for P_leaf QTL in position 7@27



Effect plots for P_ratio QTL in position 7@62.5

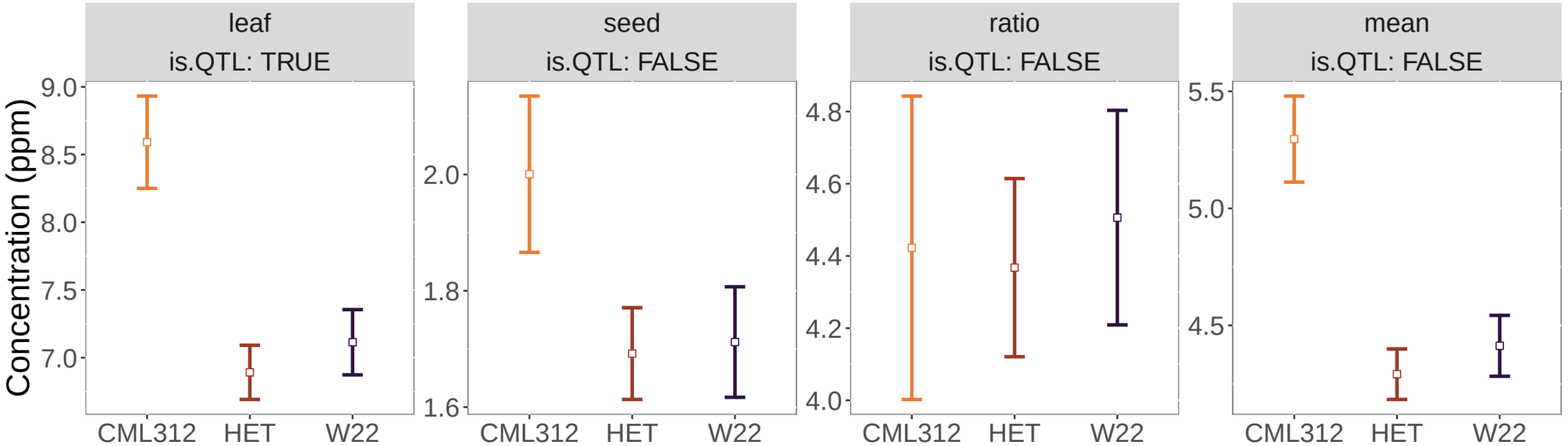


Genotype

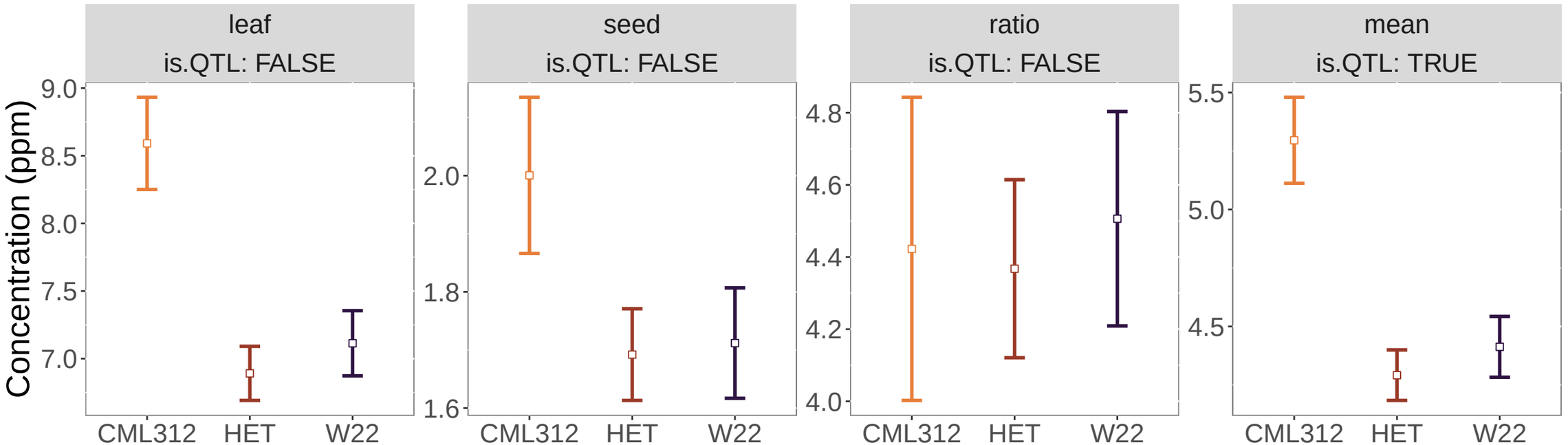
- CML312
- HET
- W22

Ion: Rb

Effect plots for Rb_leaf QTL in position 4@109.7

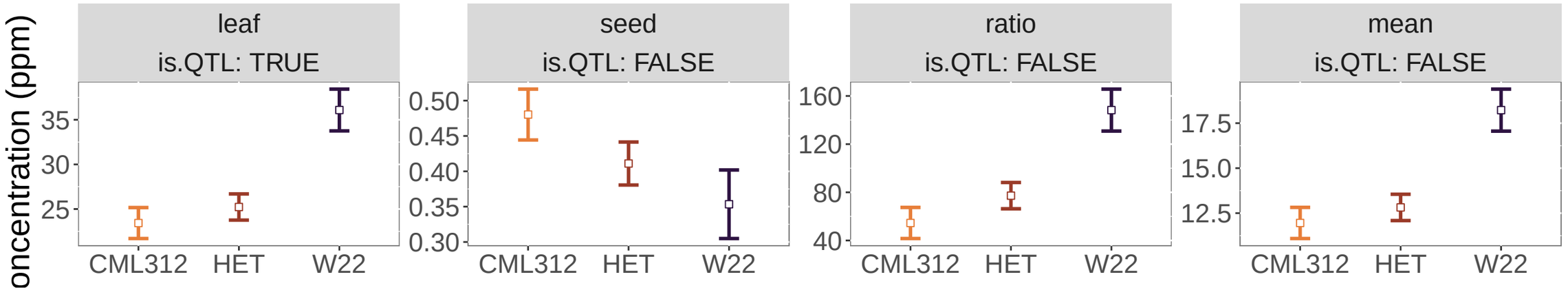


Effect plots for Rb_mean QTL in position 4@109.7

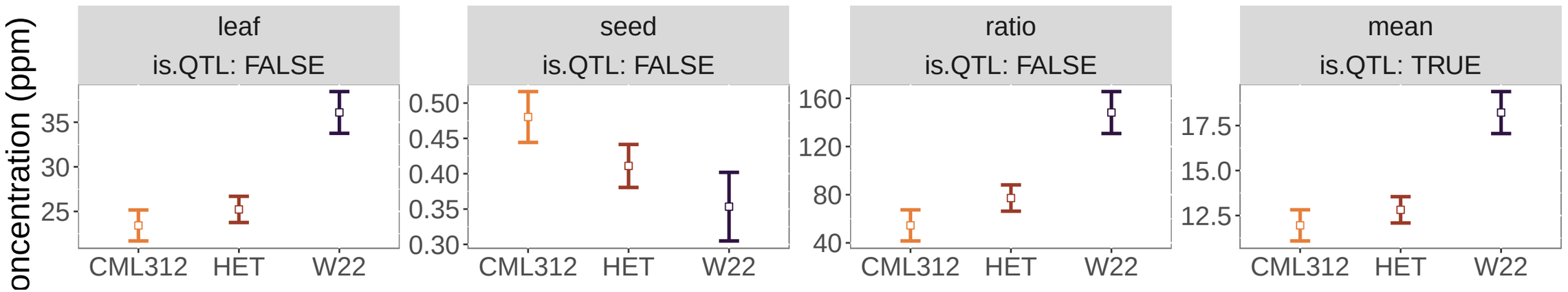


Ion: Sr

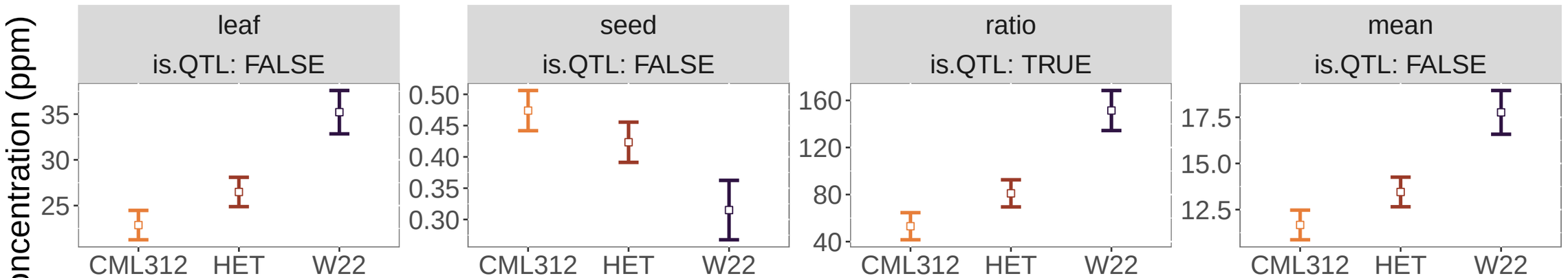
Effect plots for Sr_leaf QTL in position 1@57.2



Effect plots for Sr_mean QTL in position 1@57.2



Effect plots for Sr_ratio QTL in position 1@67.6



Ion: Sr

Effect plots for Sr_seed QTL in position 2@6

leaf
is.QTL: FALSE

seed
is.QTL: TRUE

ratio
is.QTL: FALSE

mean
is.QTL: FALSE

Concentration (ppm)

30
28
26
24

0.5
0.4
0.3

120
90
60

15
14
13
12

CML312 HET W22

Genotype
CML312
HET
W22