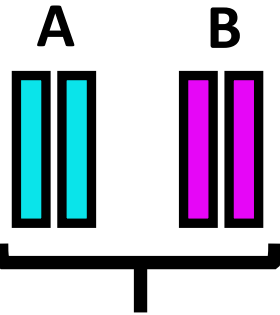
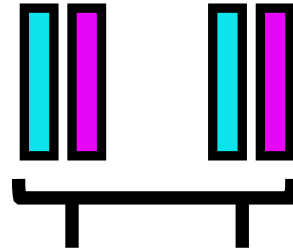


A

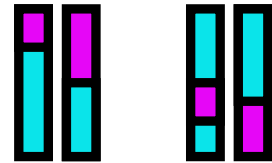
P_A x P_B



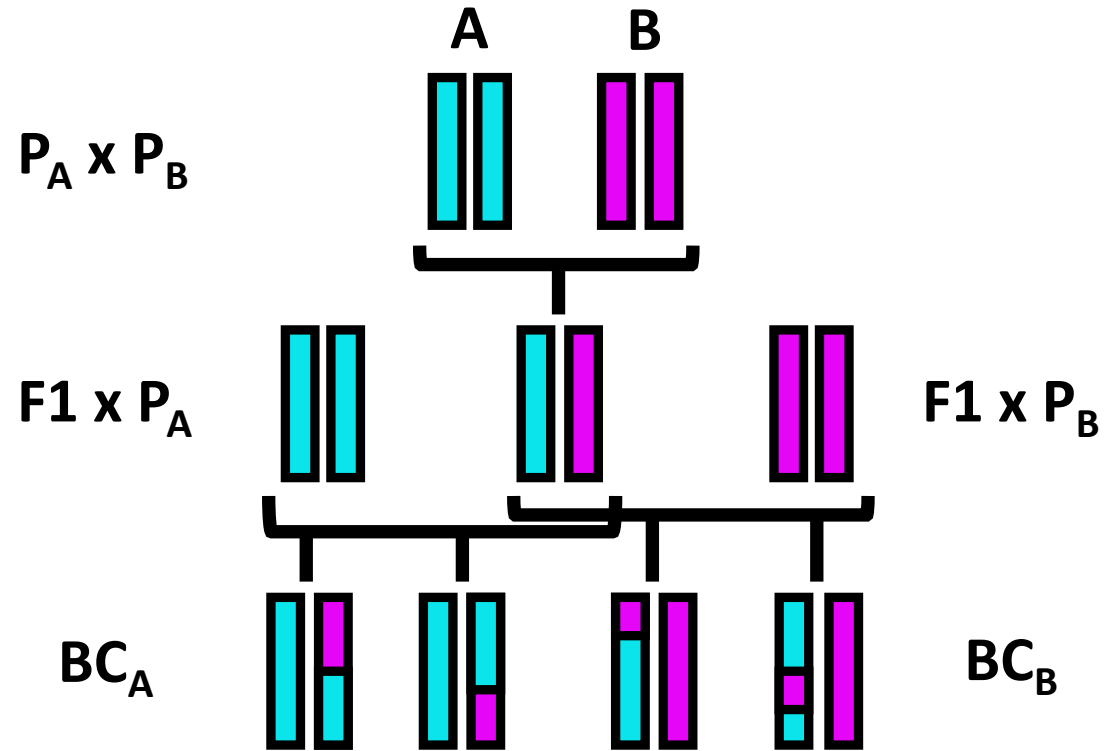
F1 x F1



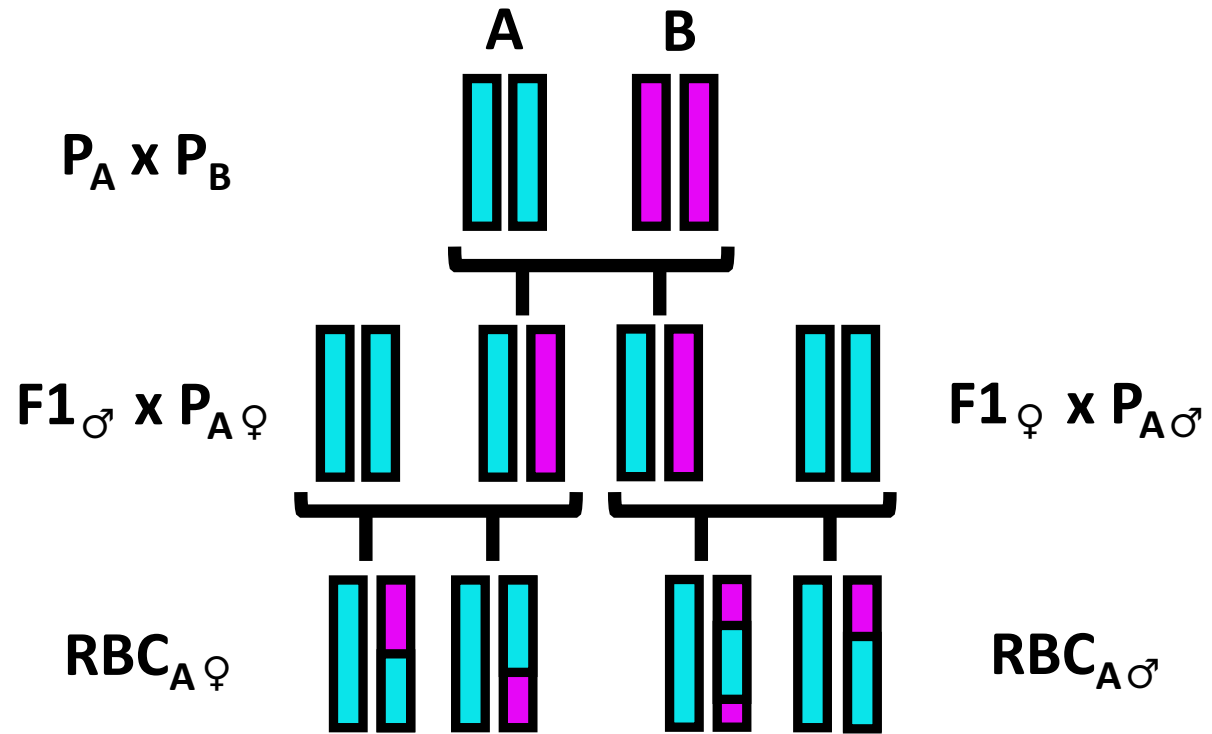
F2

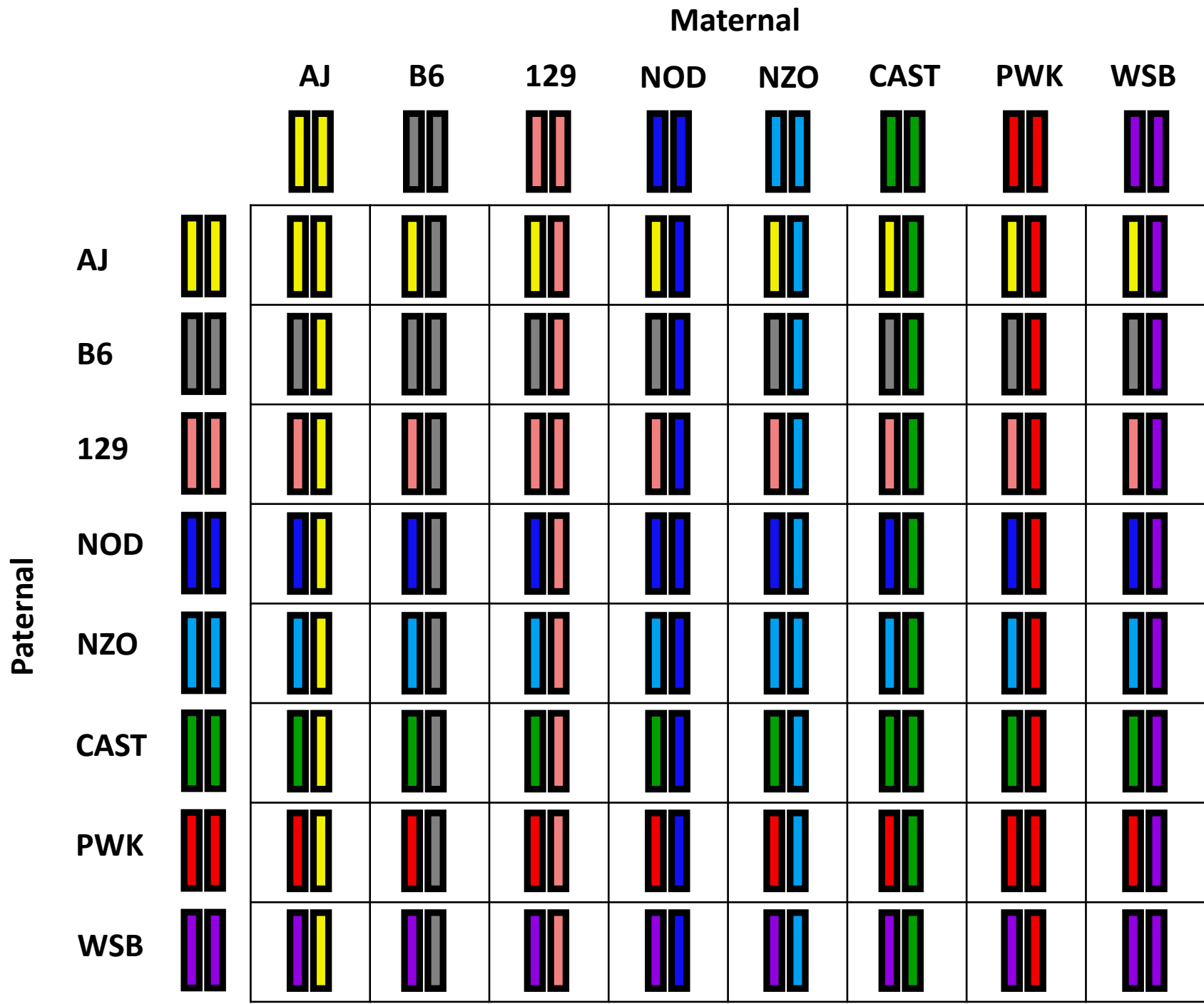


B

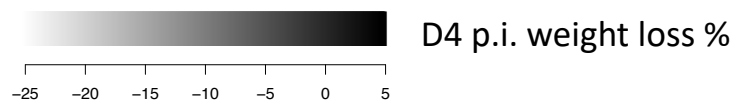
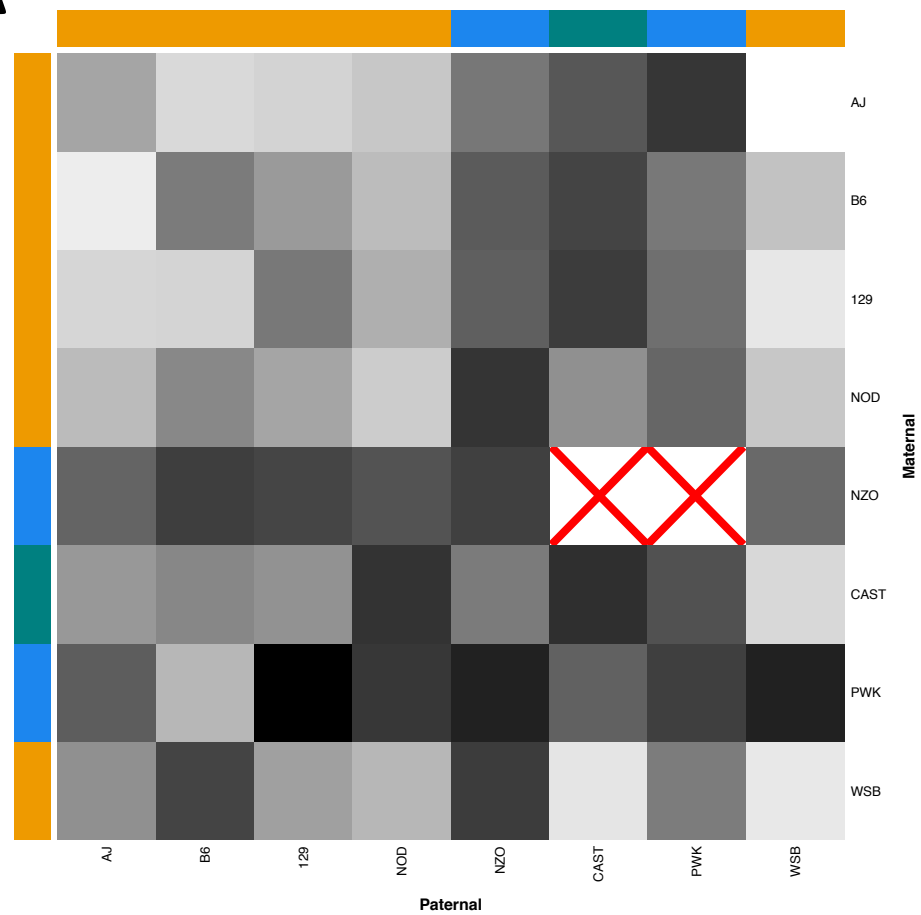


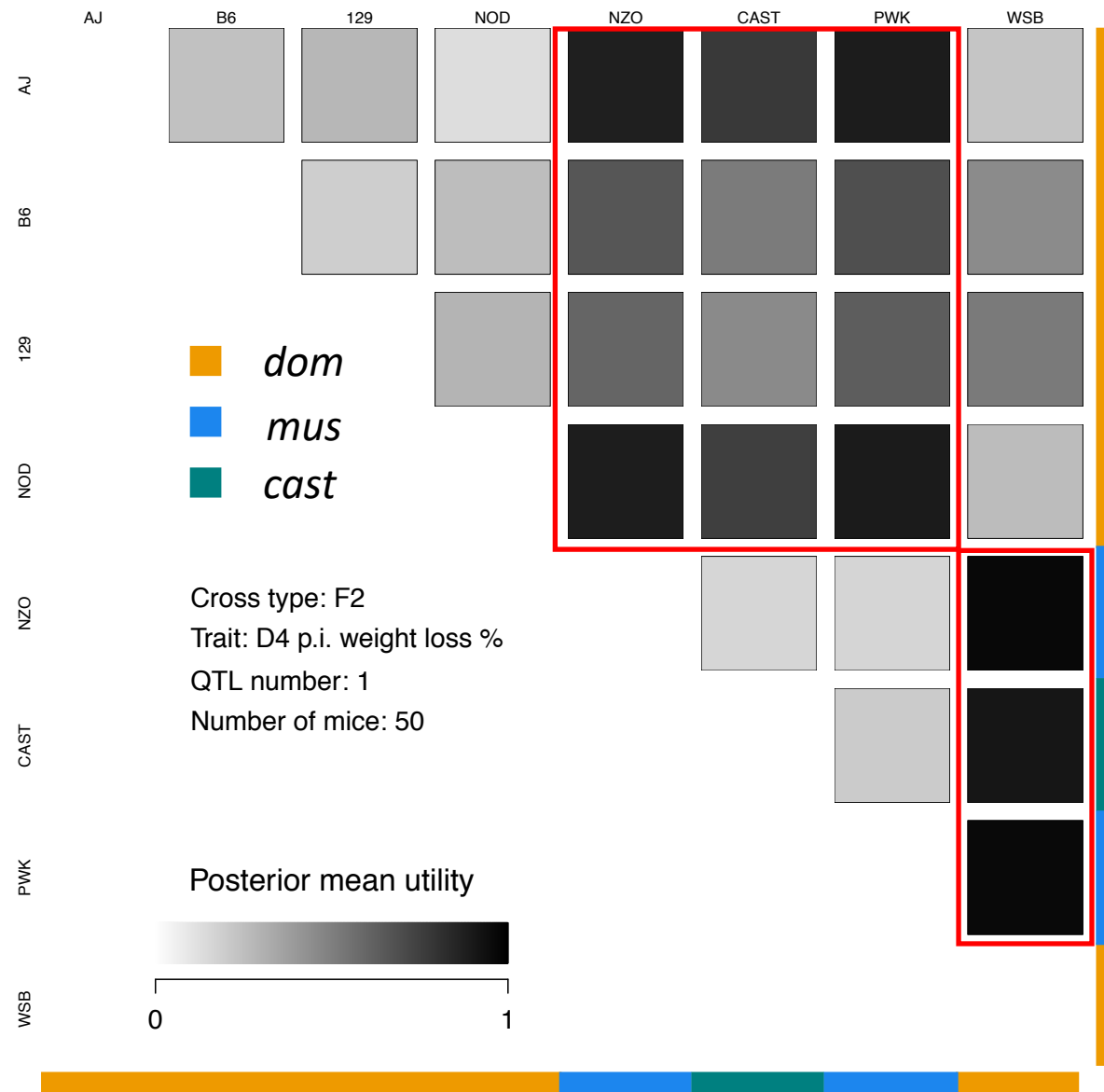
C

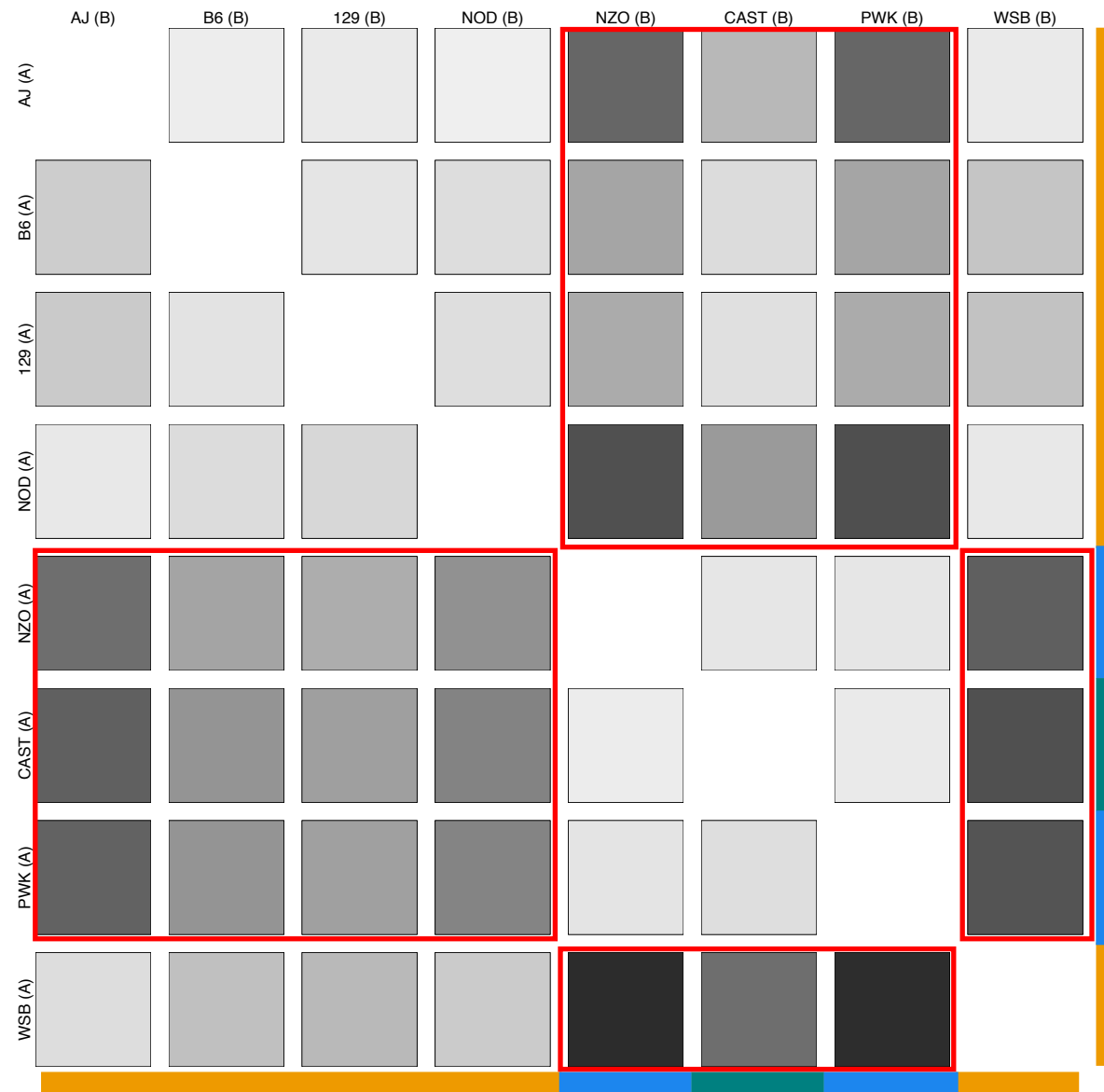




A

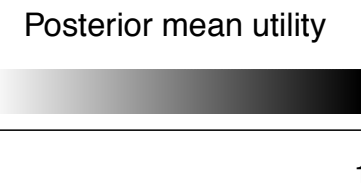


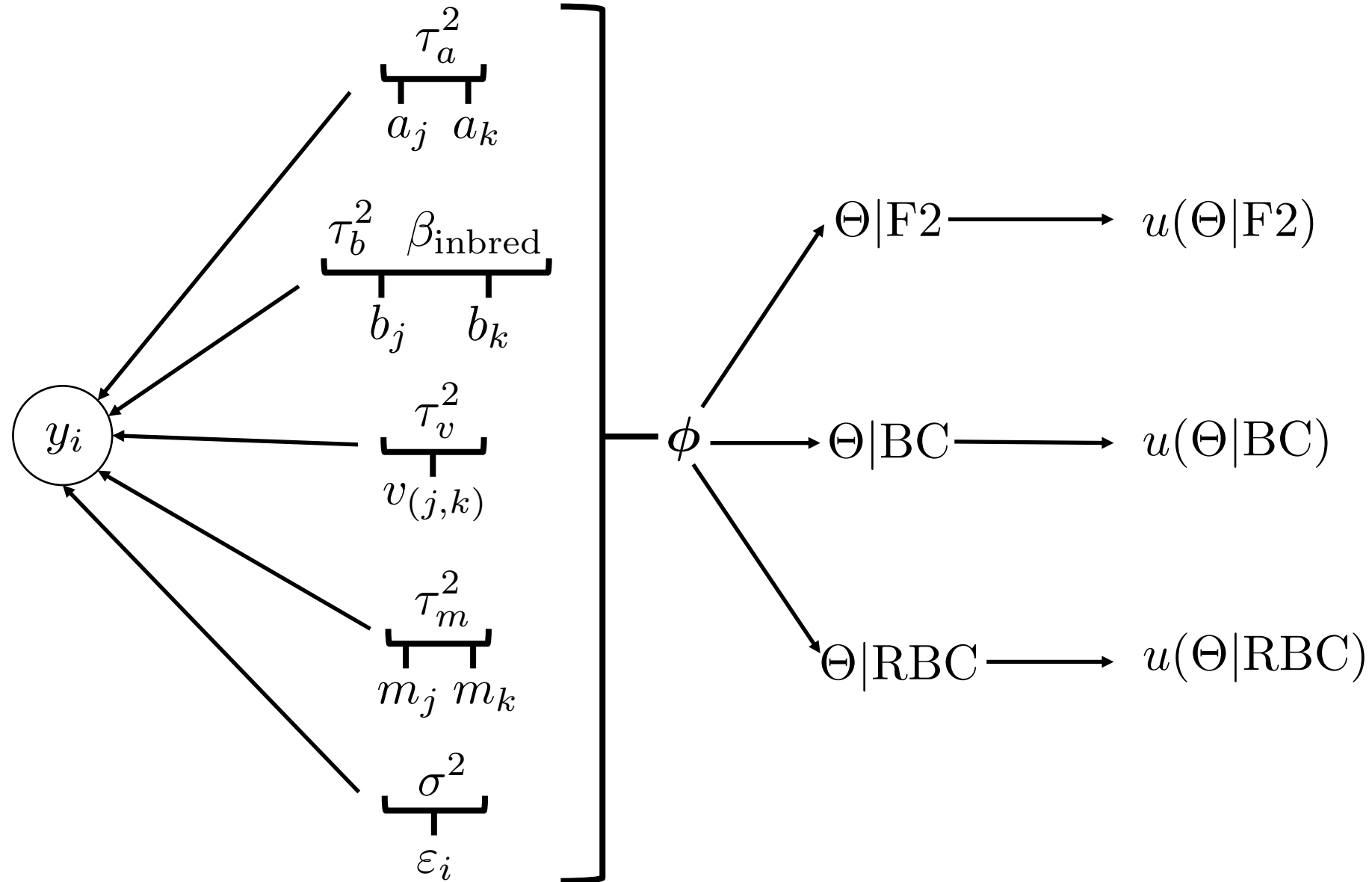




dom
mus
cast

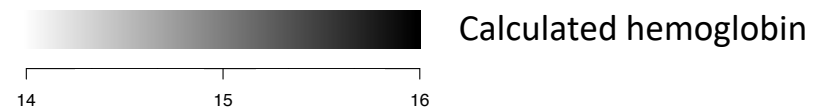
Cross type: BC
Trait: D4 p.i. weight loss %
QTL number: 1
Number of mice: 50

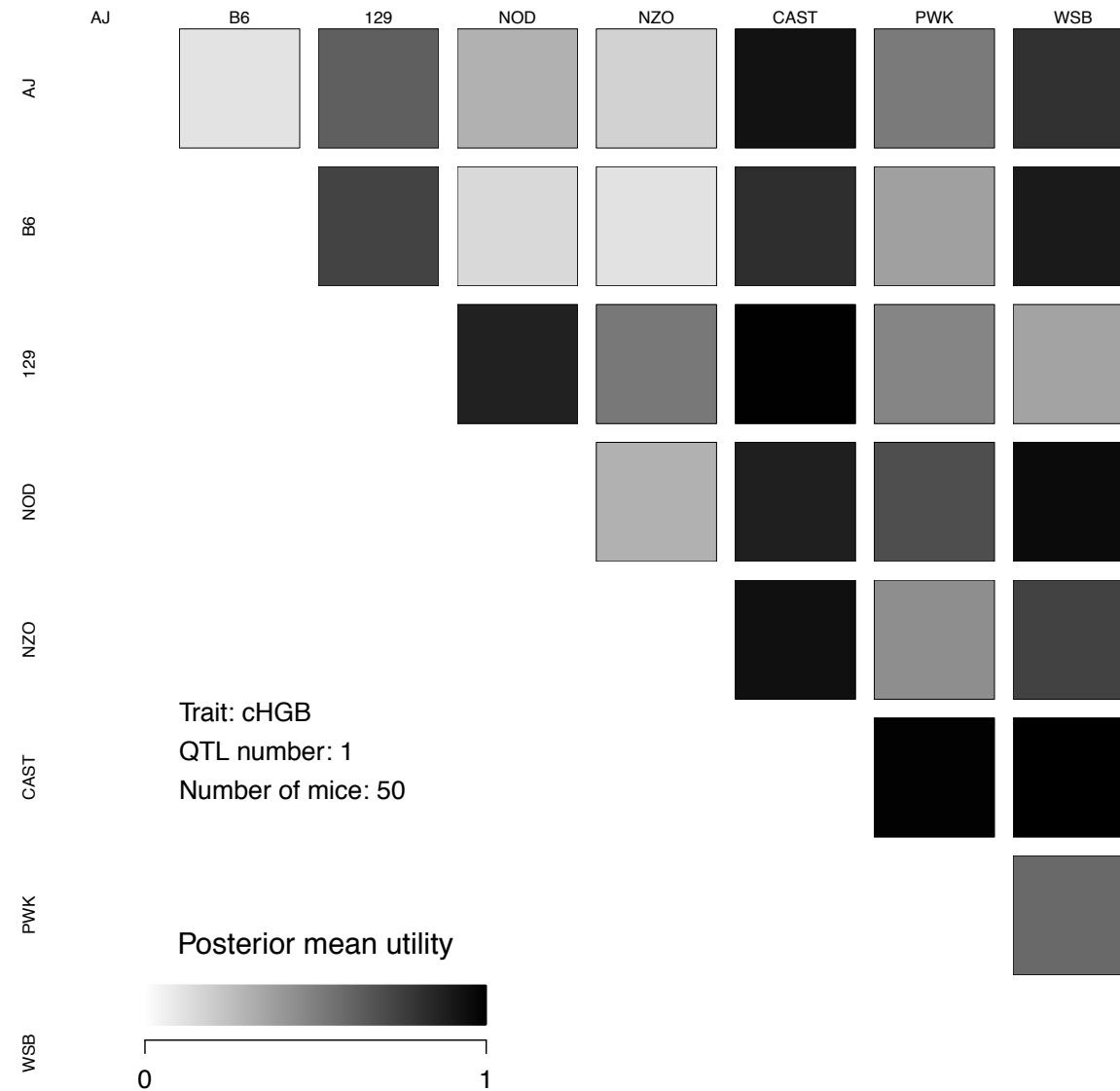


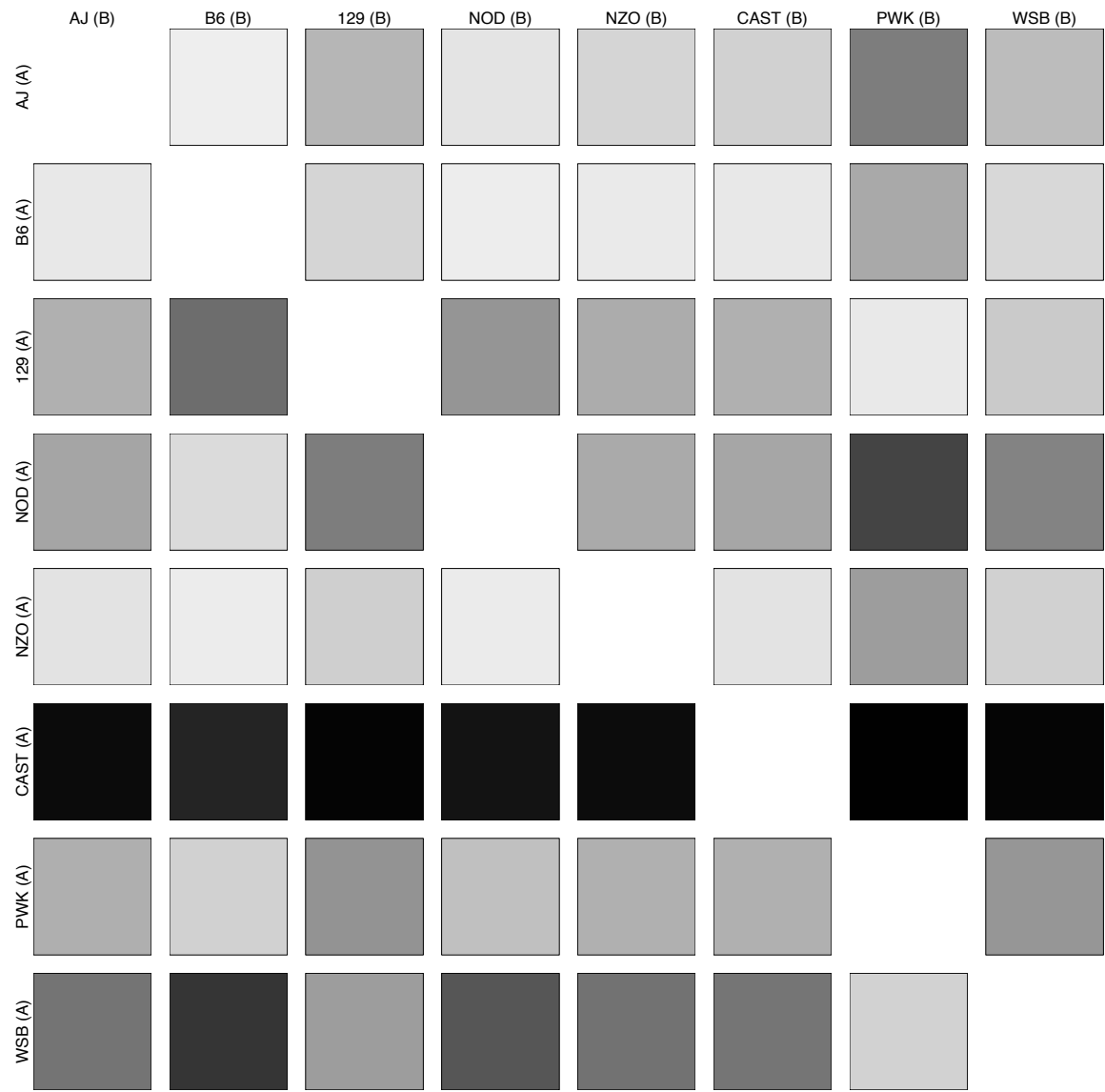


Heatmap showing genetic differentiation (F_{ST}) between eight populations: AJ, B6, 129, NOD, NZO, CAST, PWK, and WSB. The diagonal is marked with a red 'X'. The color scale ranges from 0 (white) to 1 (black).

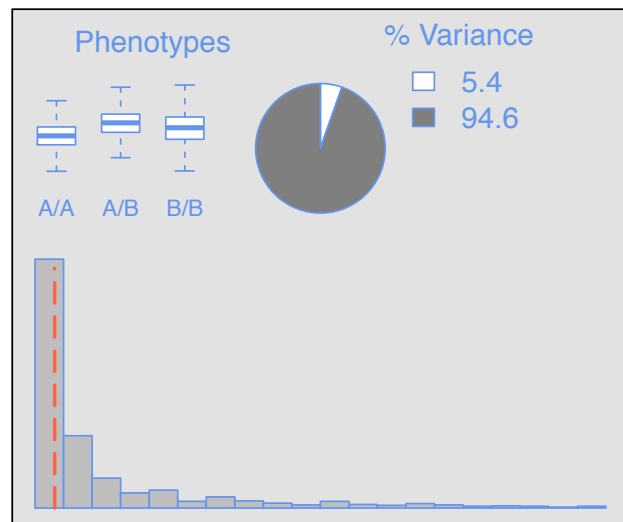
Paternal \ Maternal	AJ	B6	129	NOD	NZO	CAST	PWK	WSB
AJ	0.00	0.15	0.20	0.25	0.30	0.35	0.40	0.45
B6	0.15	0.00	0.10	0.15	0.20	0.25	0.30	0.35
129	0.20	0.10	0.00	0.10	0.15	0.20	0.25	0.30
NOD	0.25	0.15	0.10	0.00	0.10	0.15	0.20	0.25
NZO	0.30	0.20	0.15	0.10	0.00	0.10	0.15	0.20
CAST	0.35	0.25	0.20	0.15	0.10	0.00	0.10	0.15
PWK	0.40	0.30	0.25	0.20	0.15	0.10	0.00	0.10
WSB	0.45	0.35	0.30	0.25	0.20	0.15	0.10	0.00



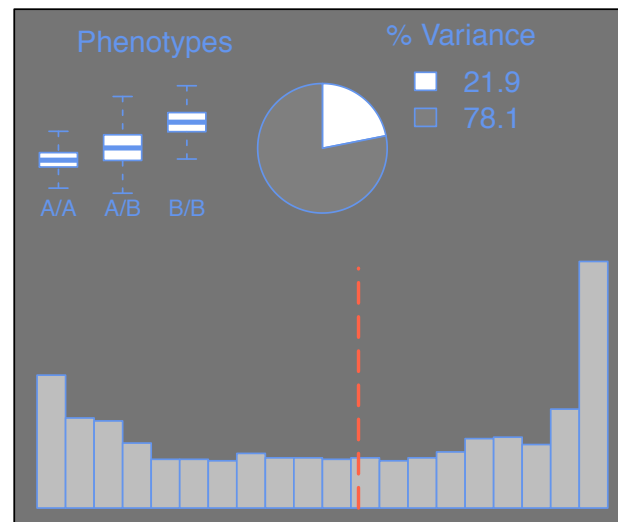




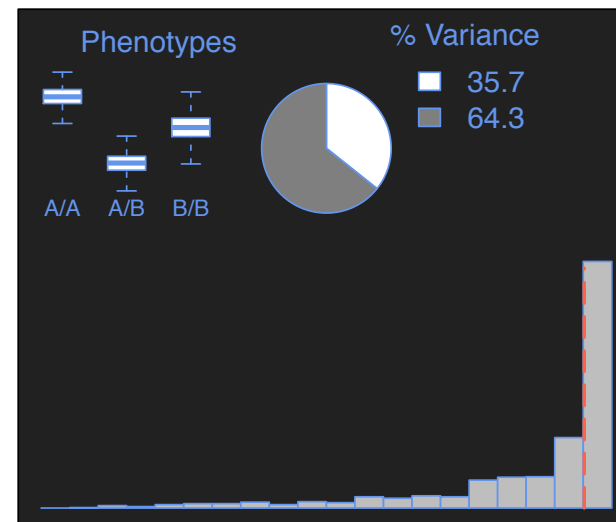
B6 (A) x NZO (B)



AJ (A) x PWK (B)

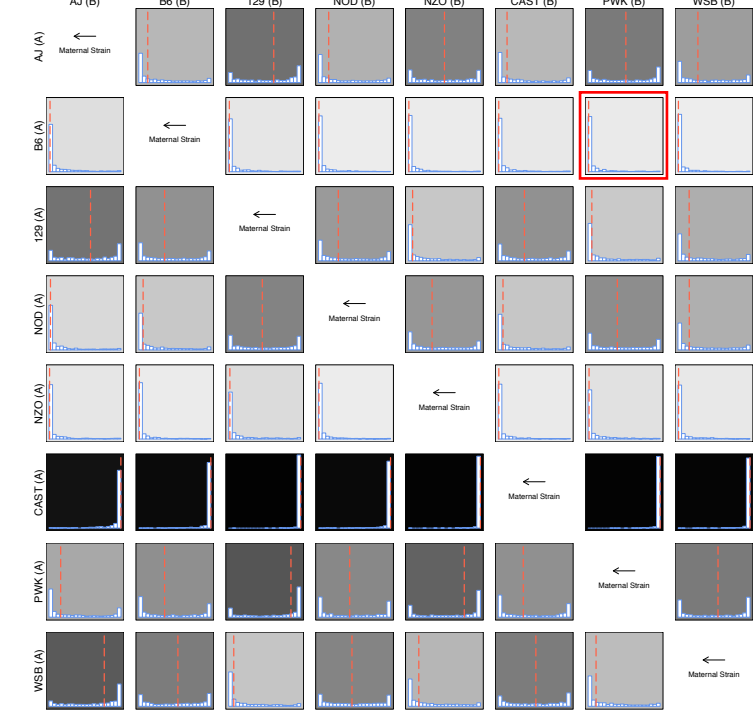


129 (A) x NOD (B)

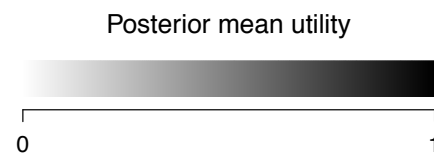
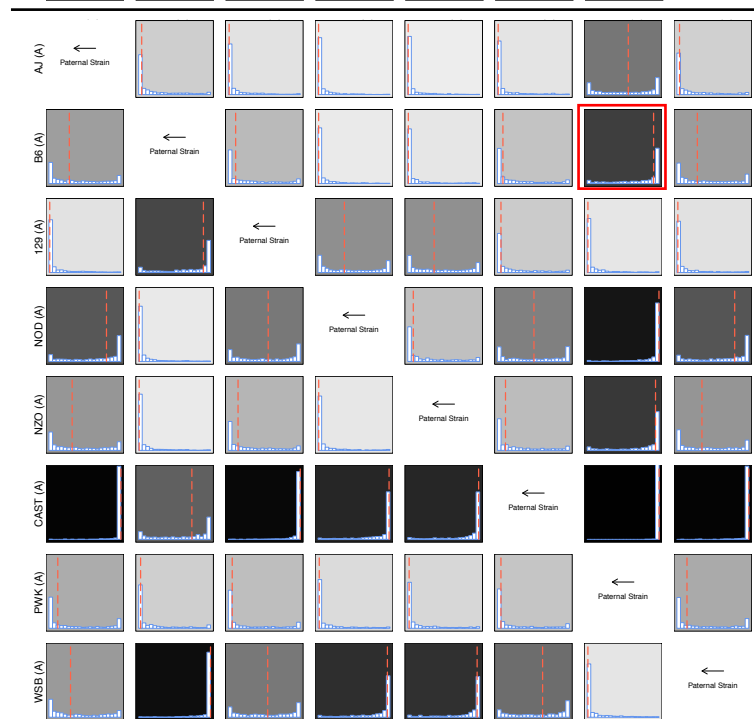


Posterior mean utility

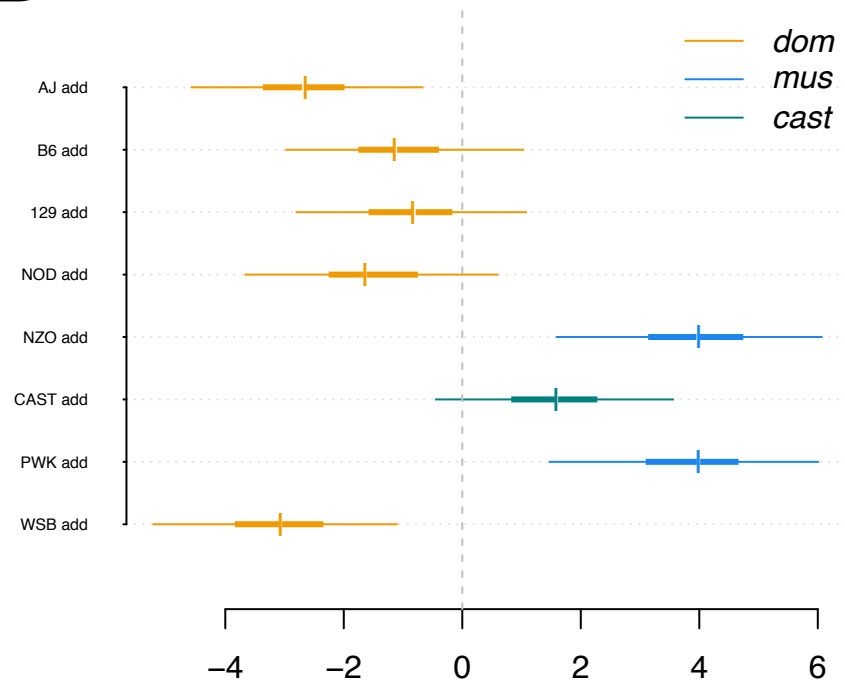




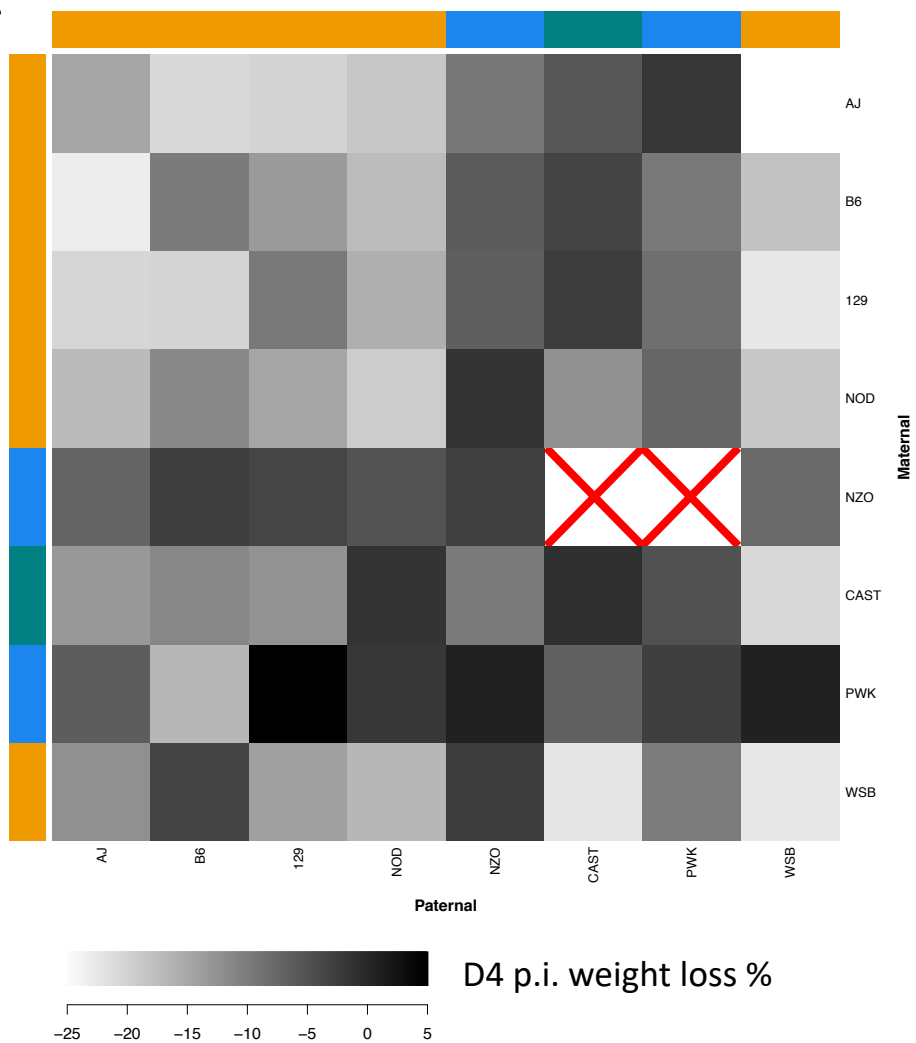
Cross type: RBC
Trait: cHGB
QTL number: 1
Number of mice: 50



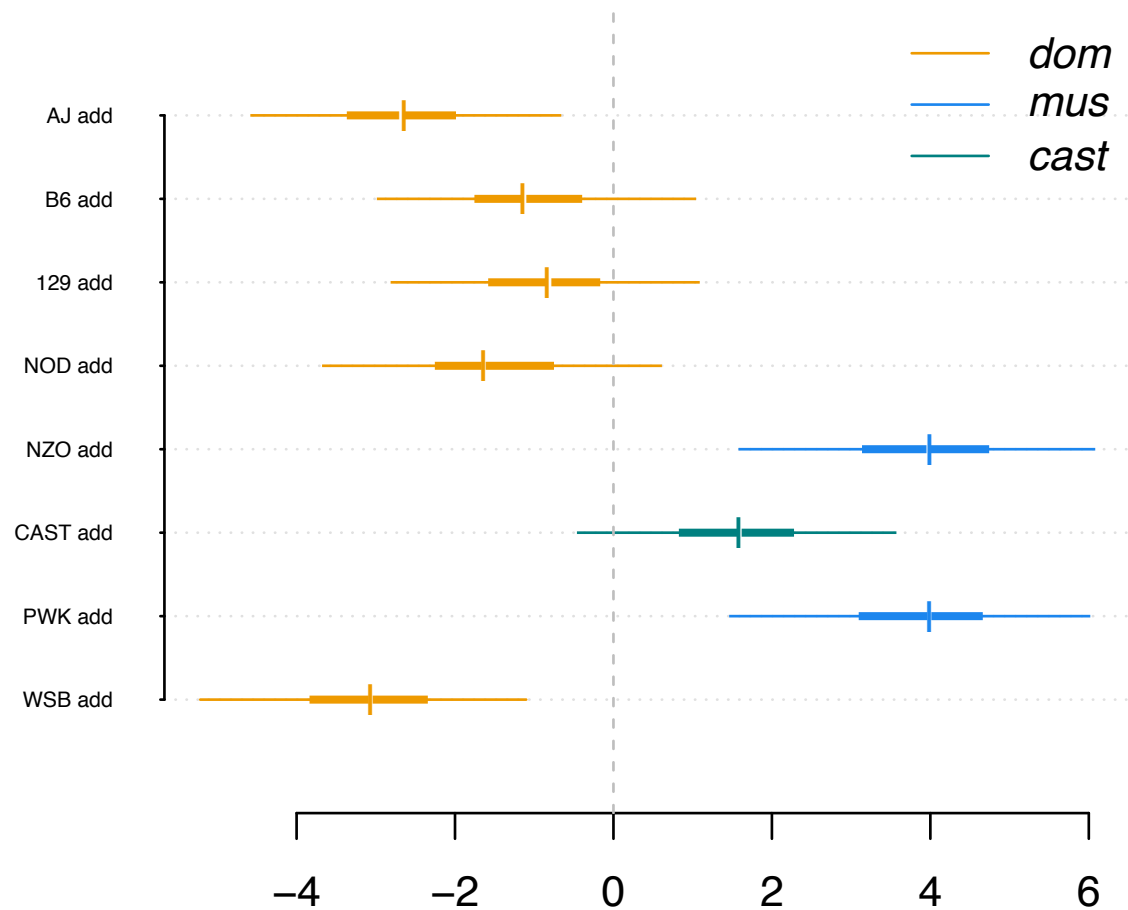
B

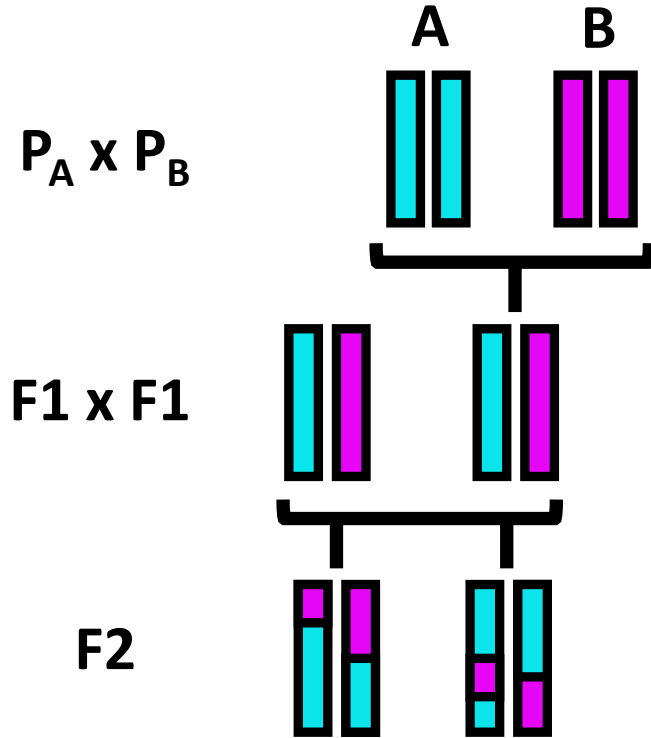
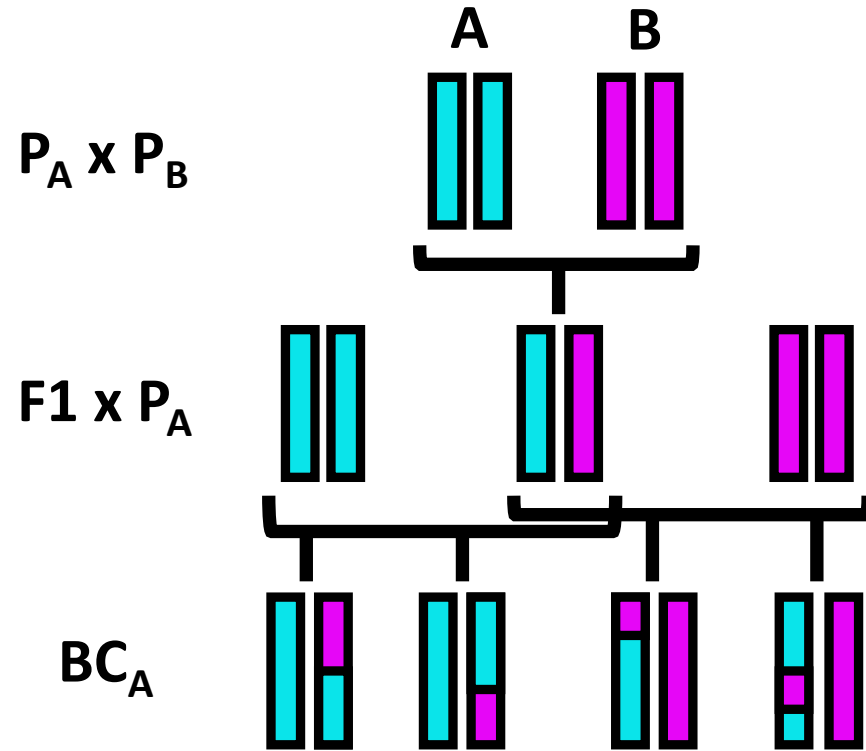
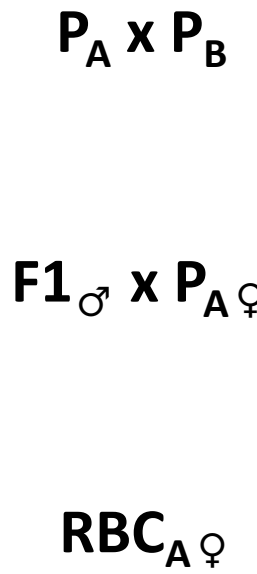


A

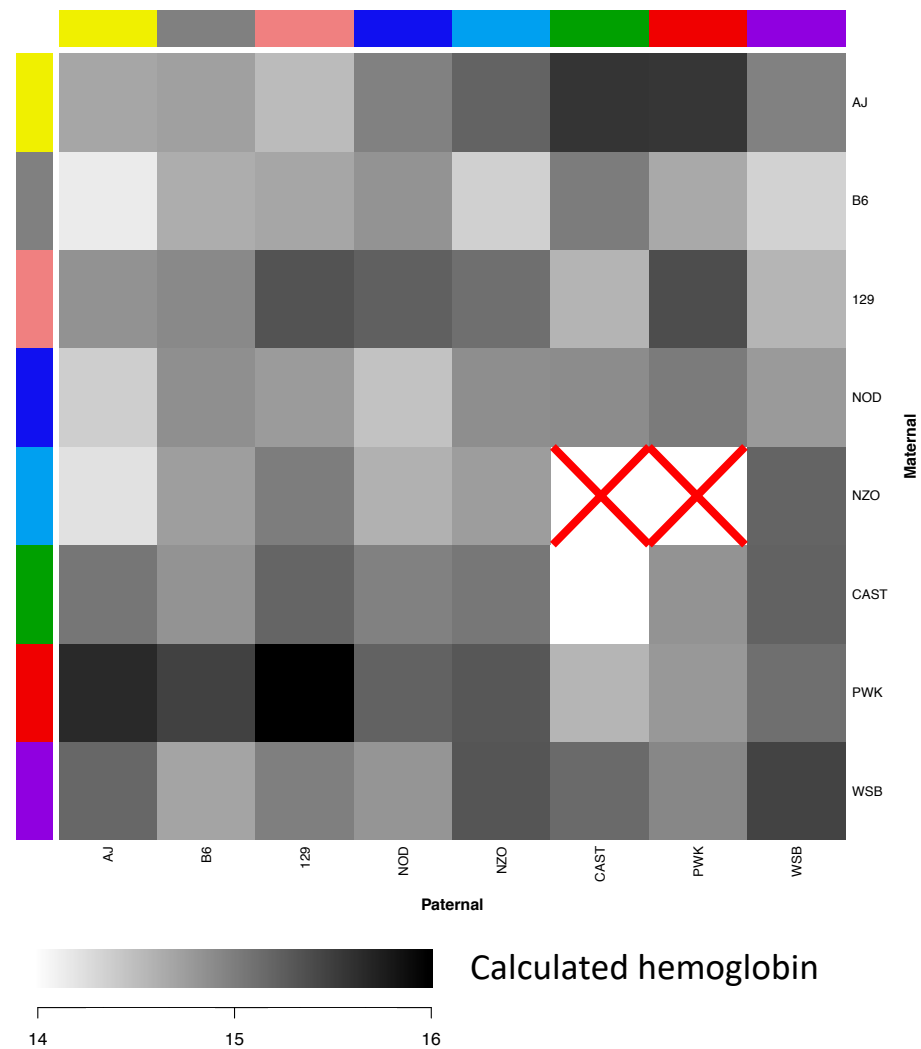


B

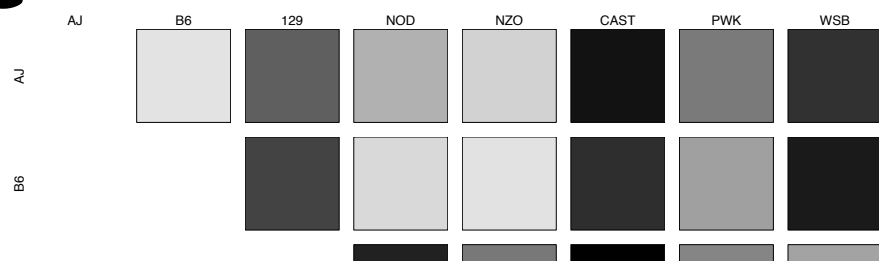


A**B****C**

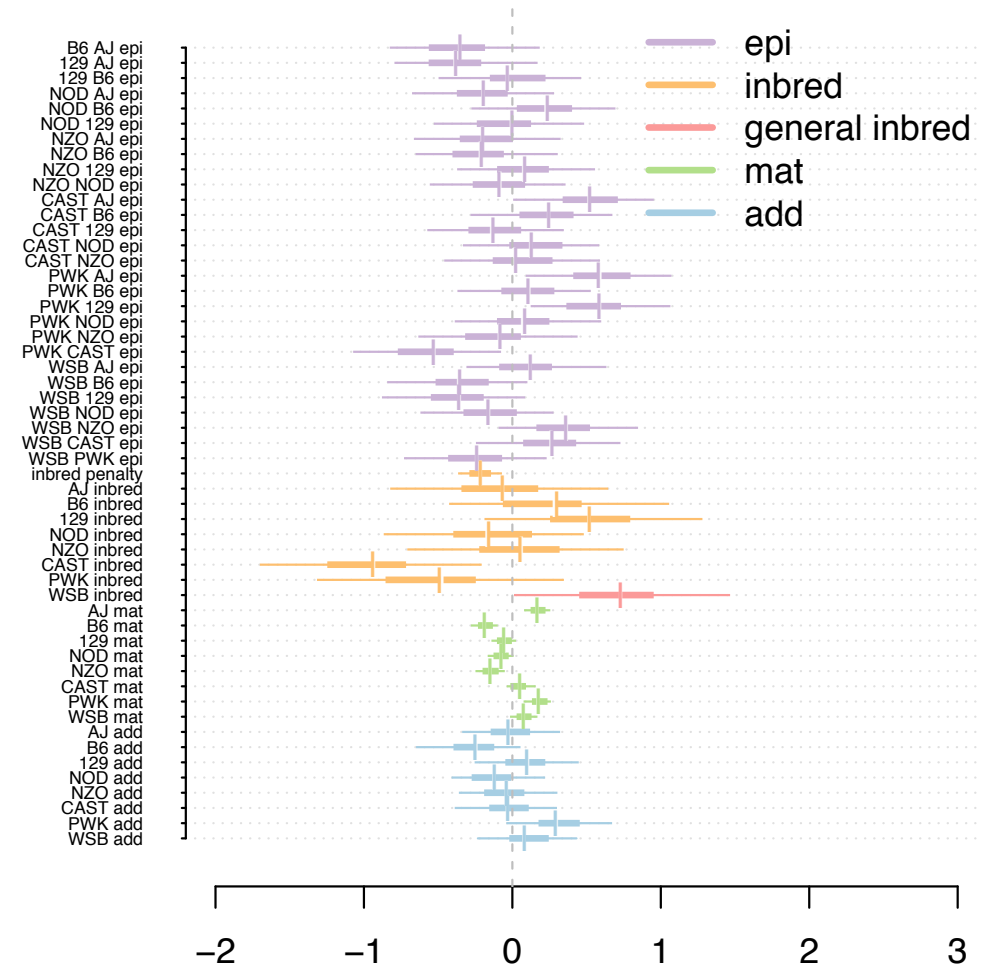
A



C

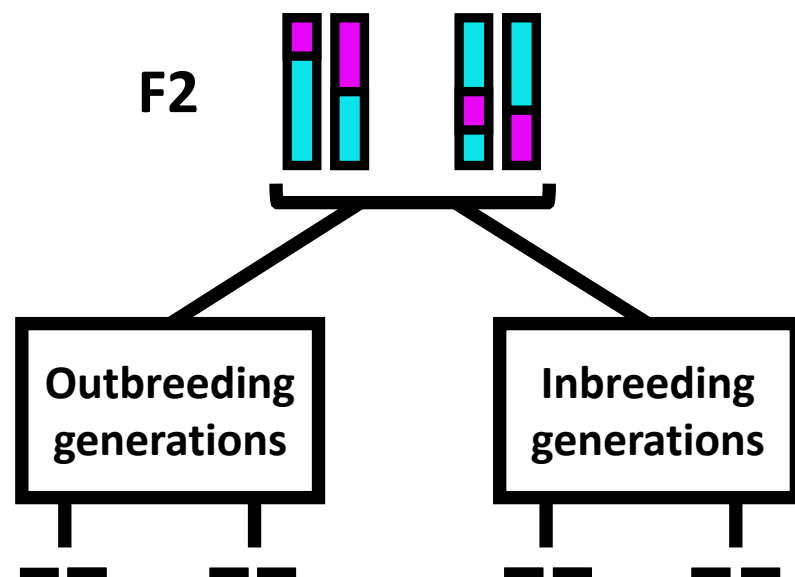
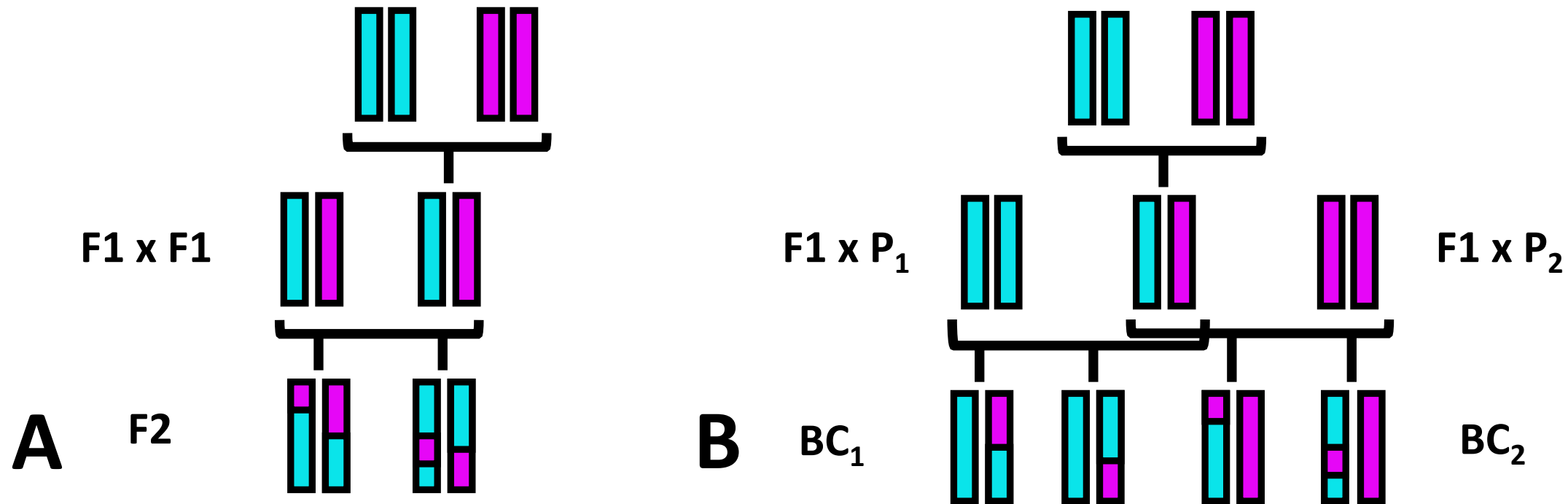


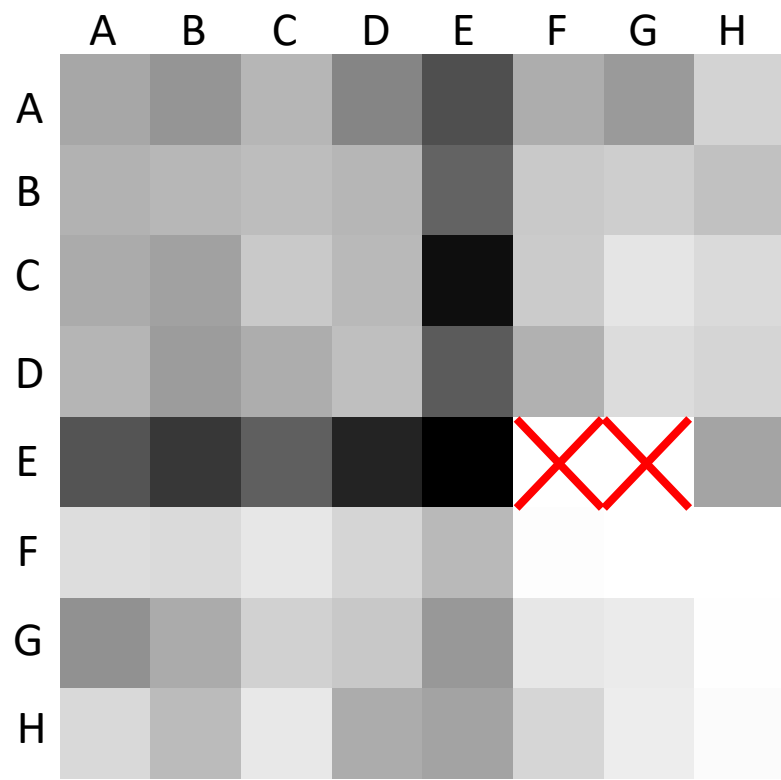
D



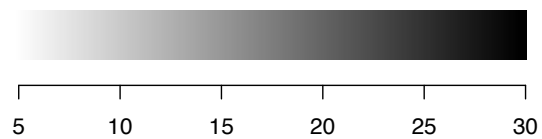
D







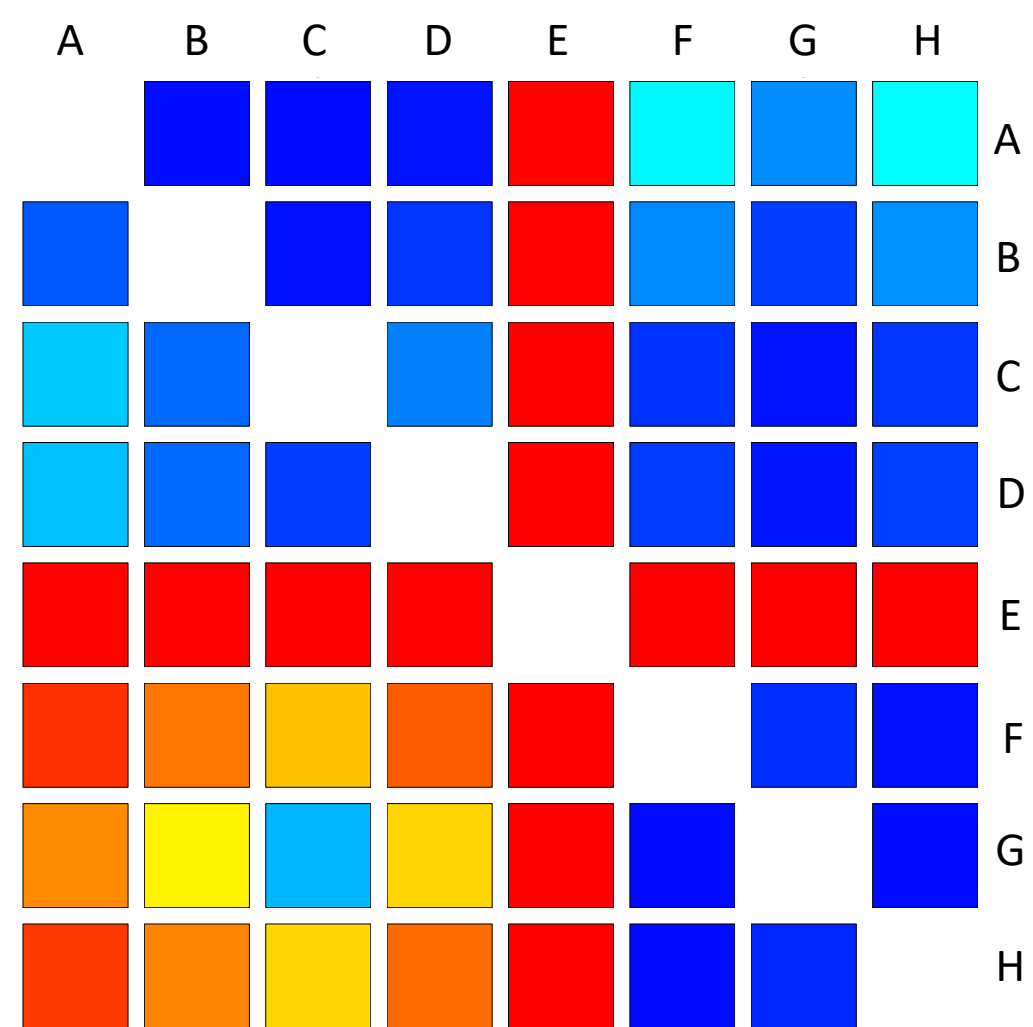
Maternal



Phenotype

Paternal

DIDACT
Back cross evaluation



Low utility

High utility

