

run1

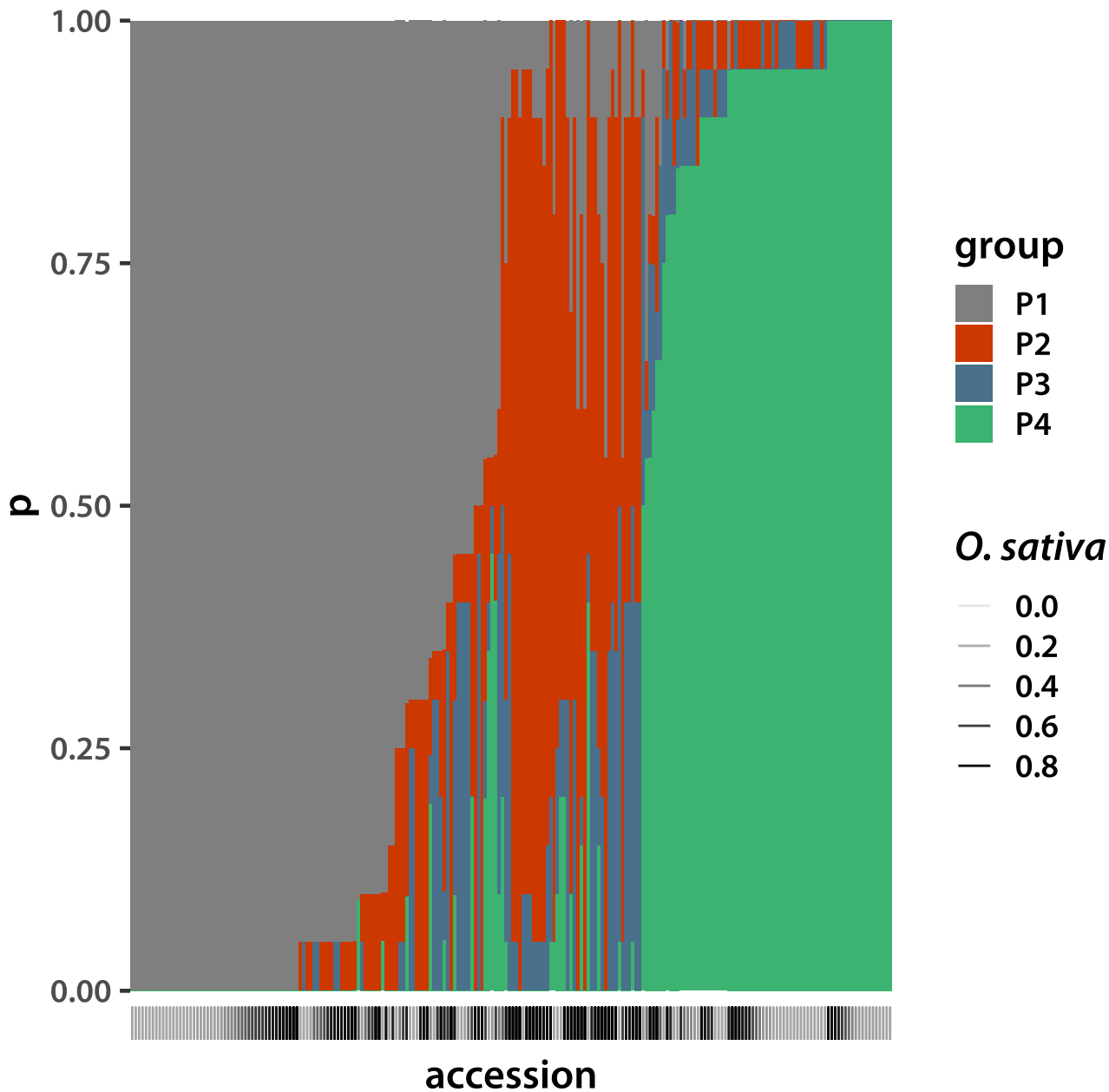
run2

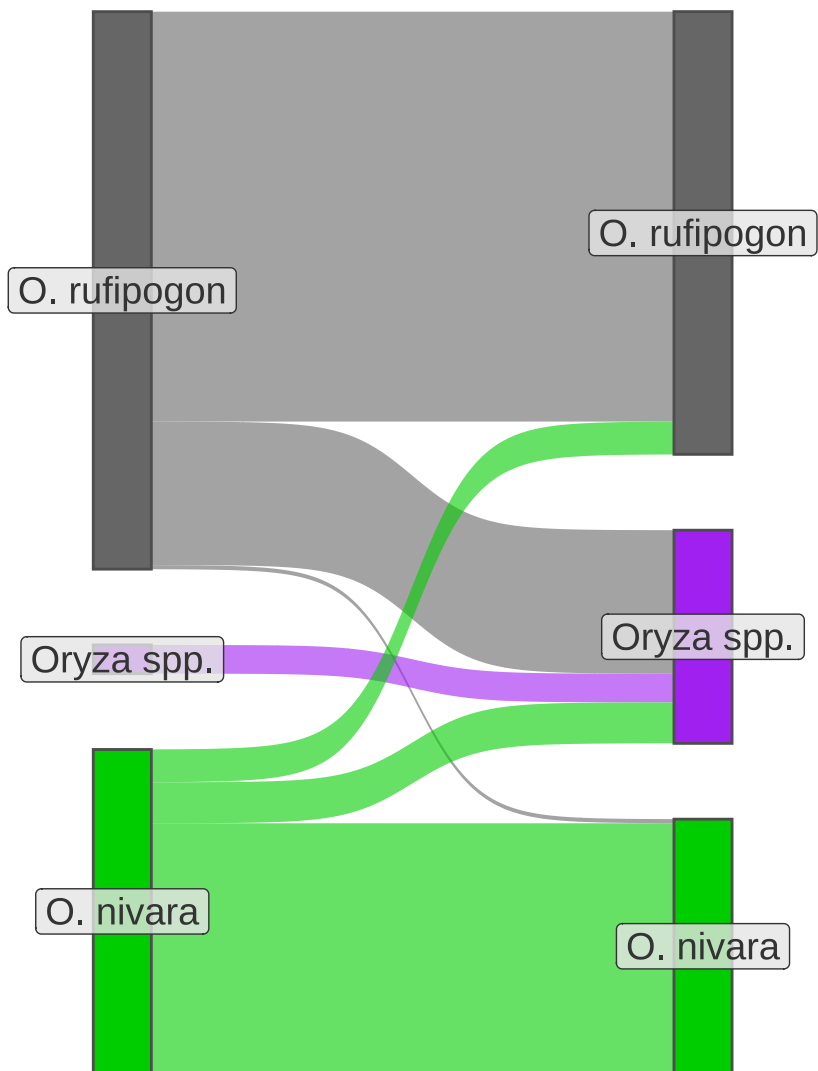
run3

run4

run5

X

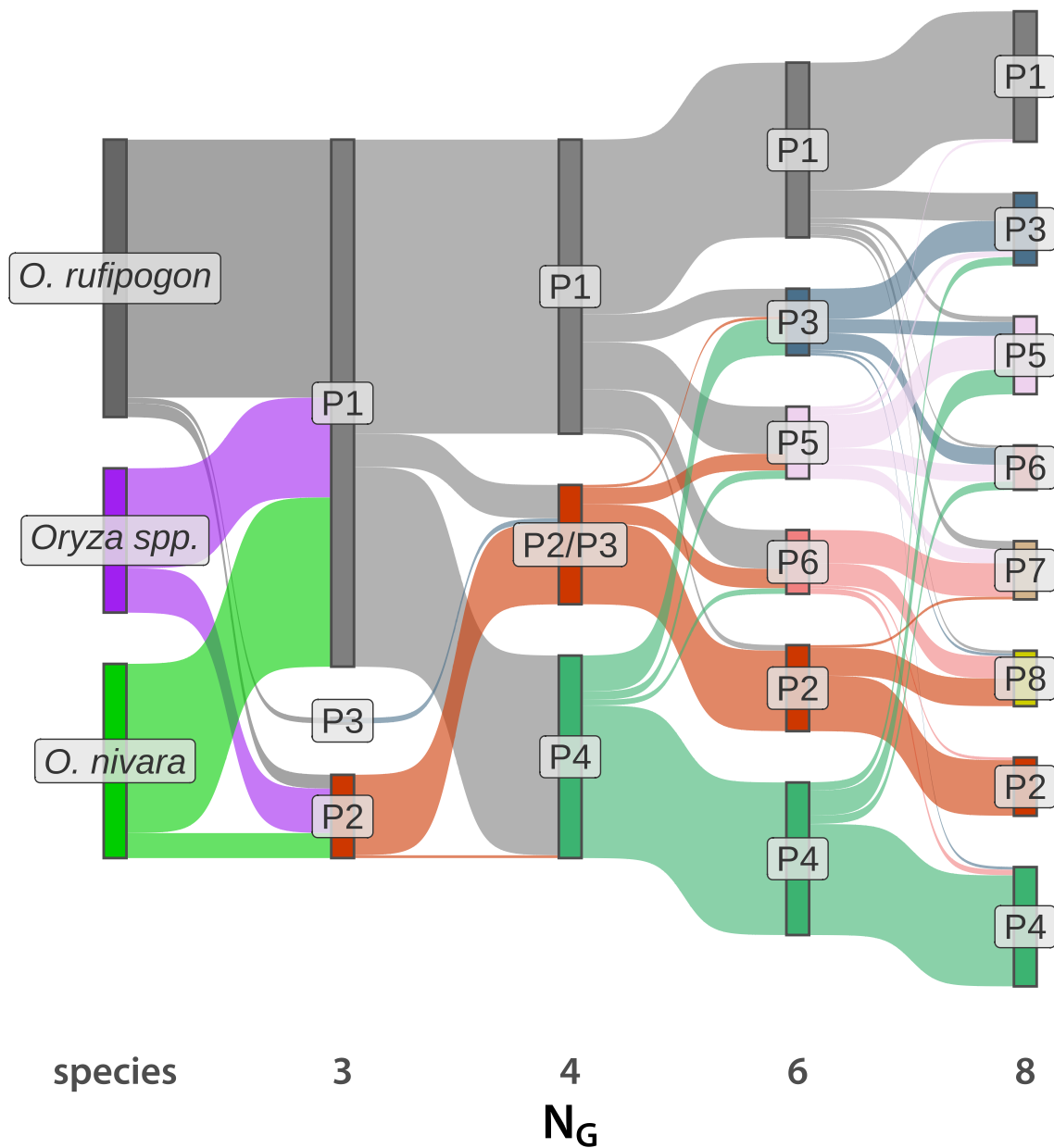


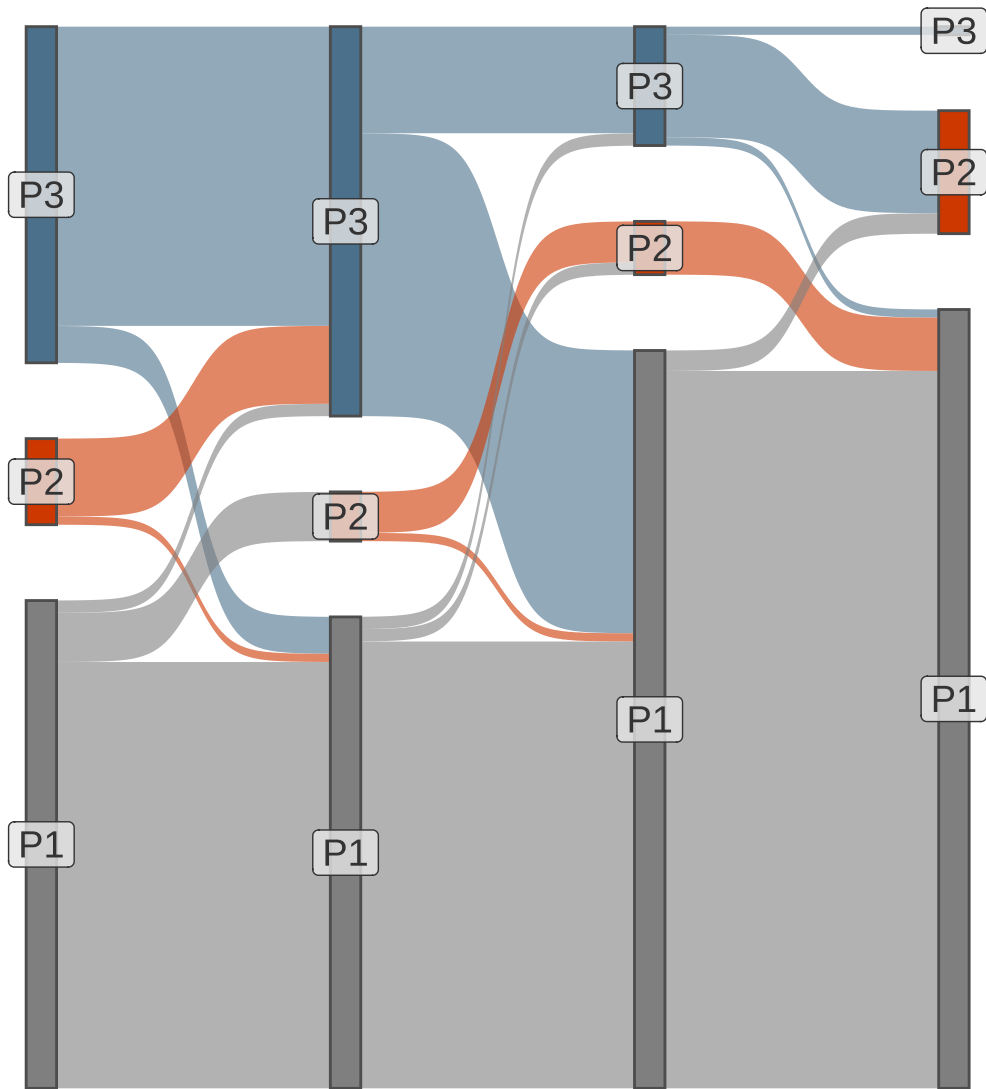


old species

GRIN species

designation





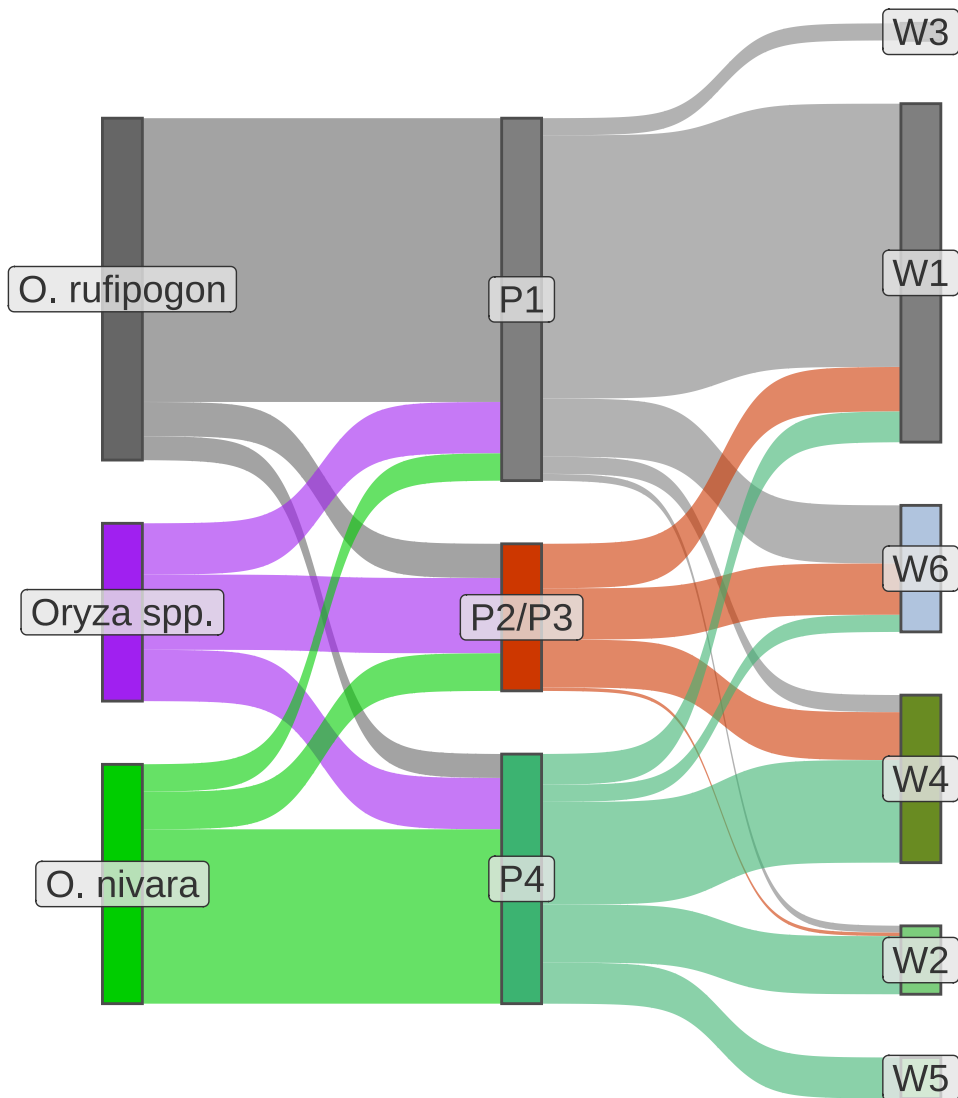
newGrp3s1

newGrp3s2

newGrp3s3

newGrp3

x



species

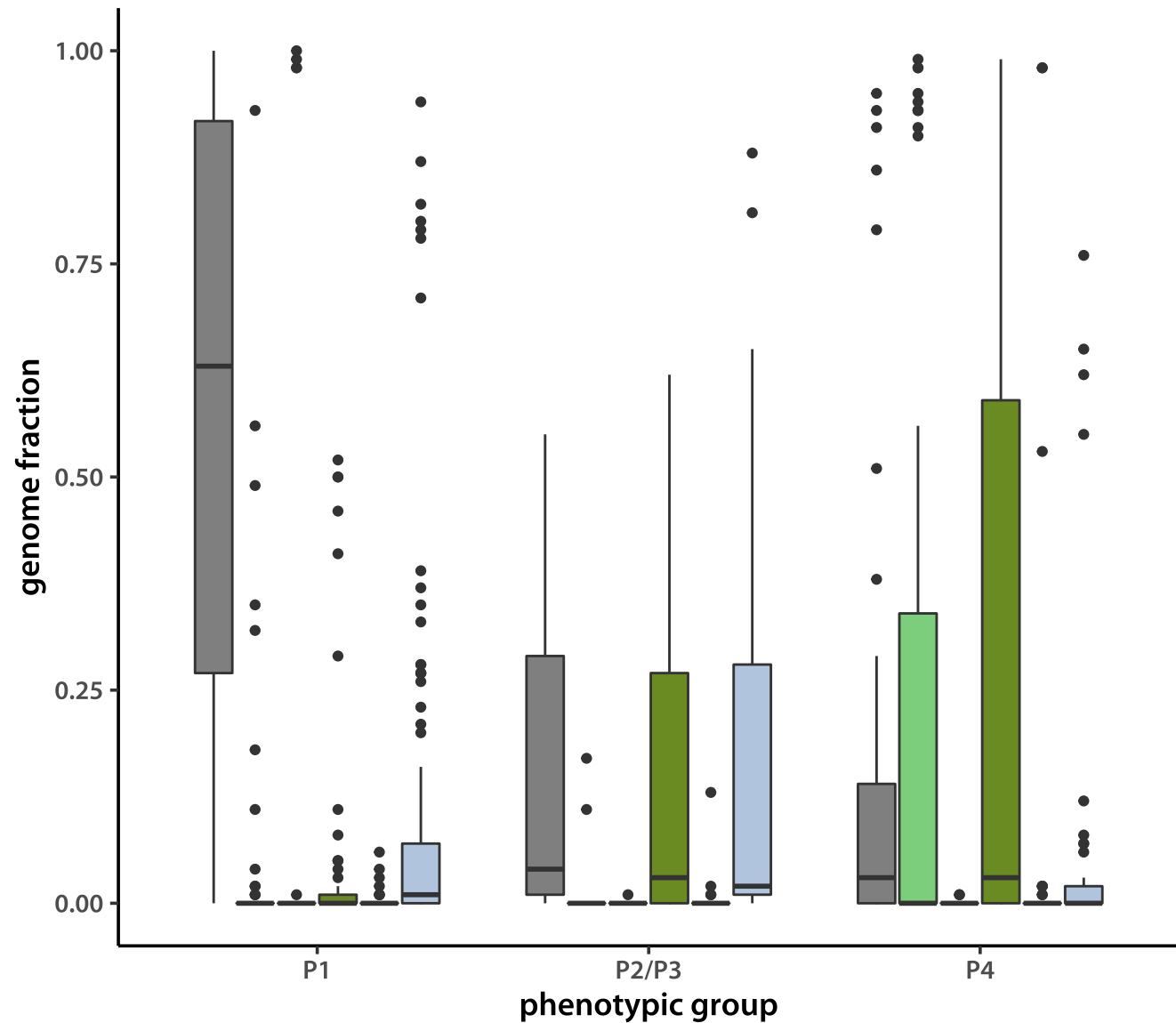
phenotypic  
groups

genetic  
subpopulations



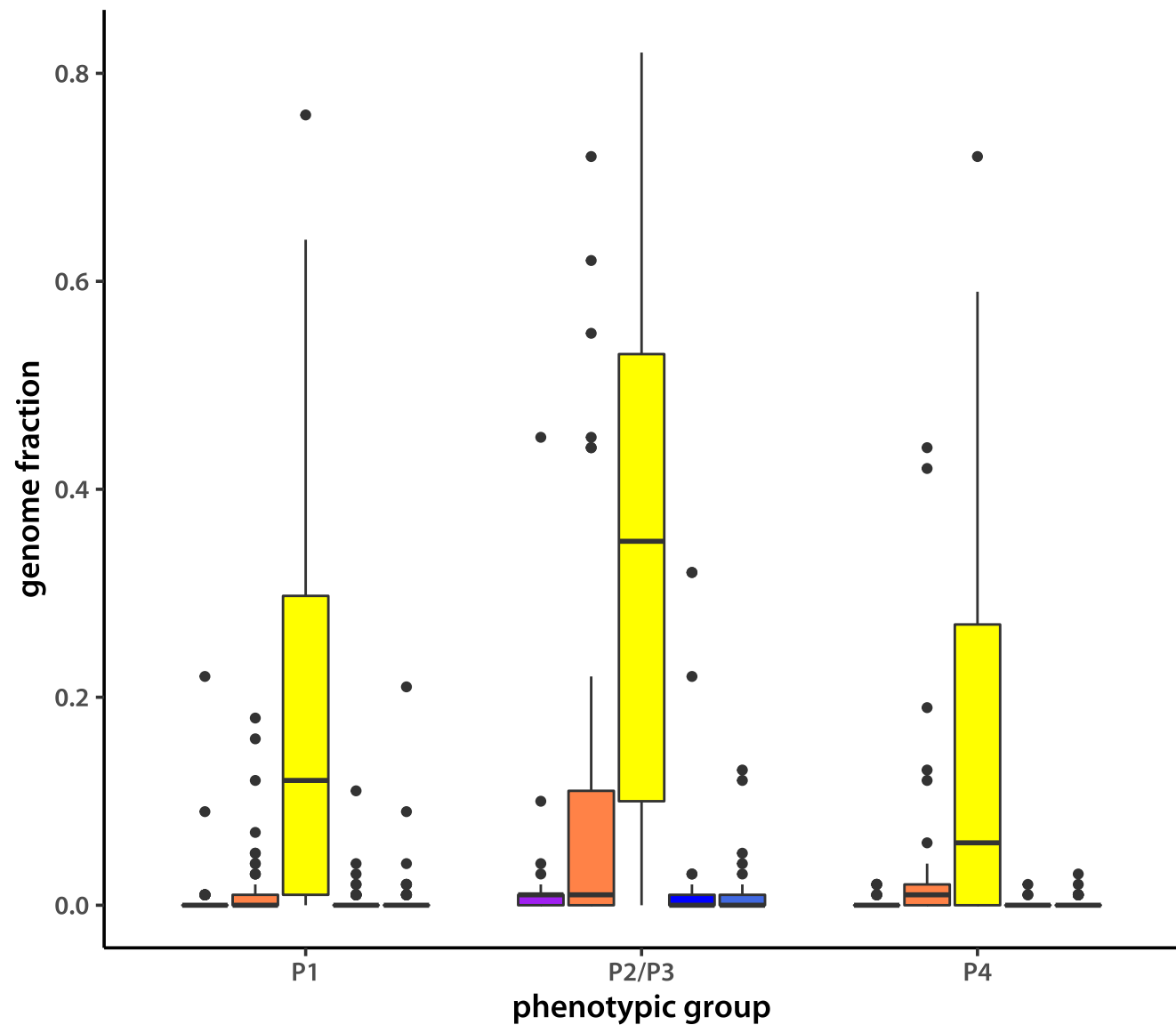
subpopulation

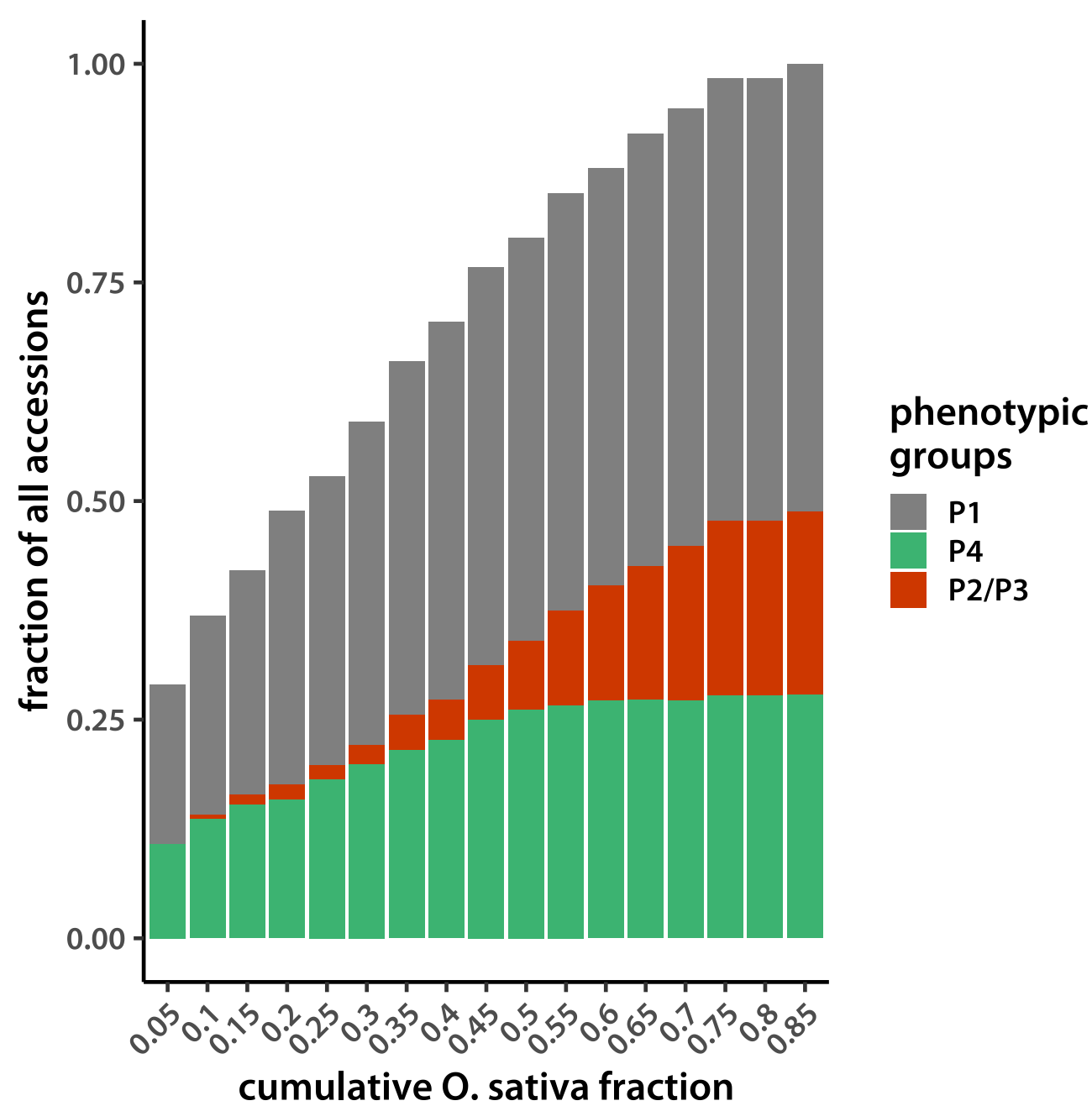
W1	W3	W5
W2	W4	W6



subpopulation

ARO	IND	TEJ
AUS	TRJ	





phenotypic group



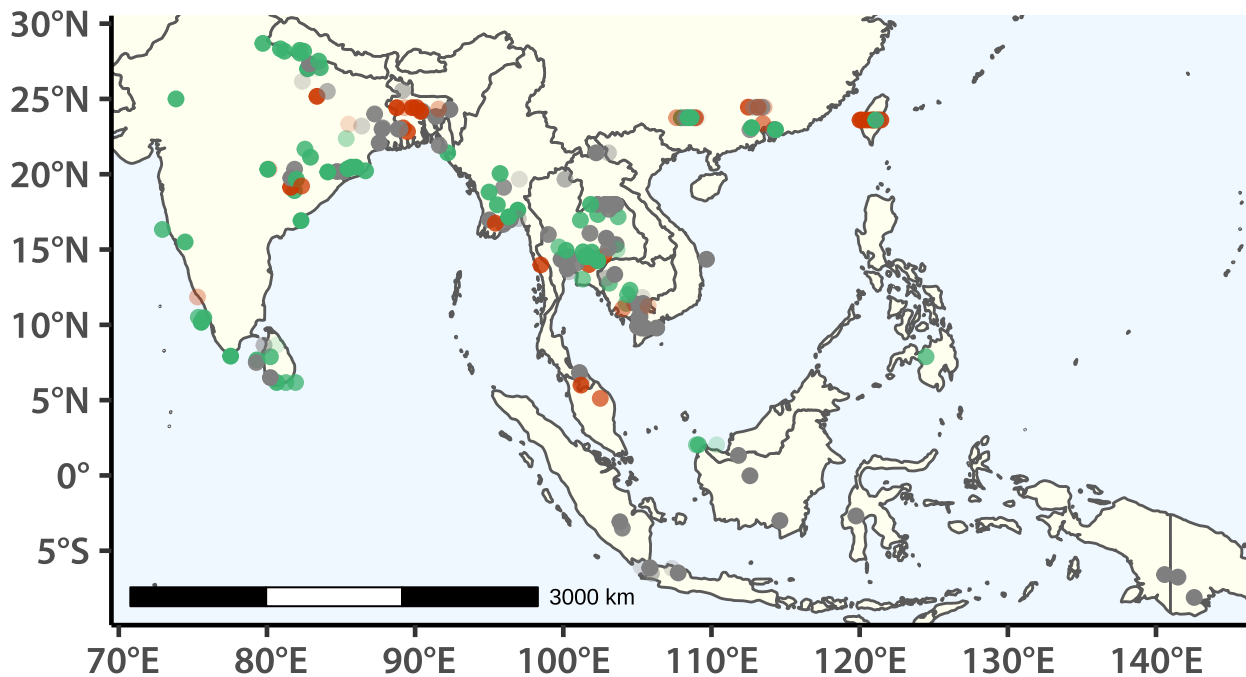
P1



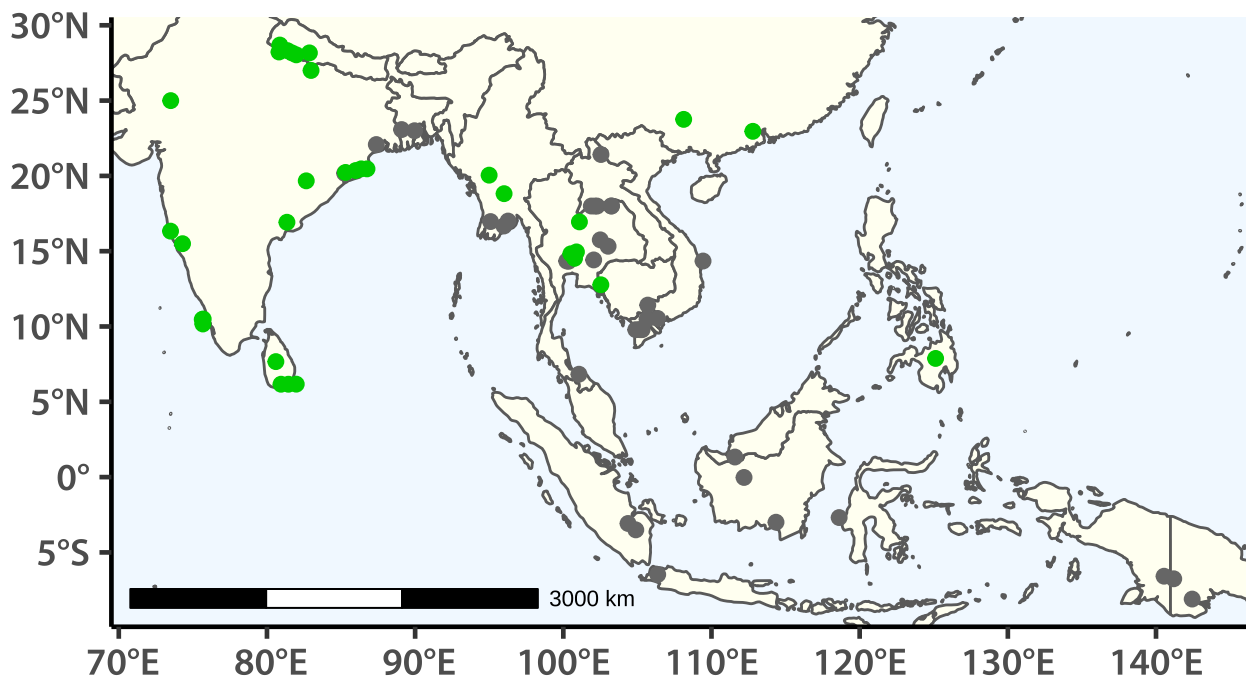
P4

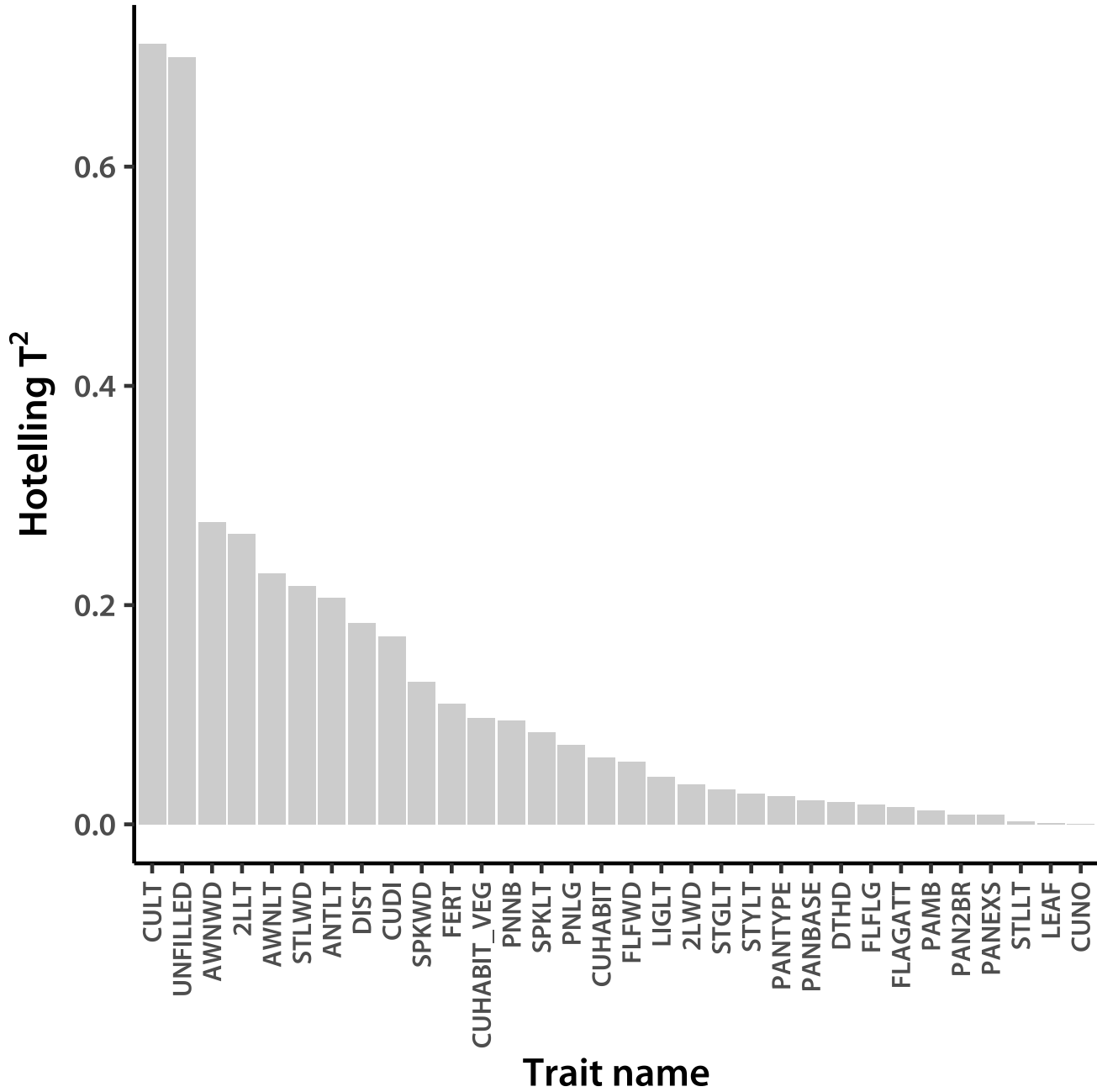


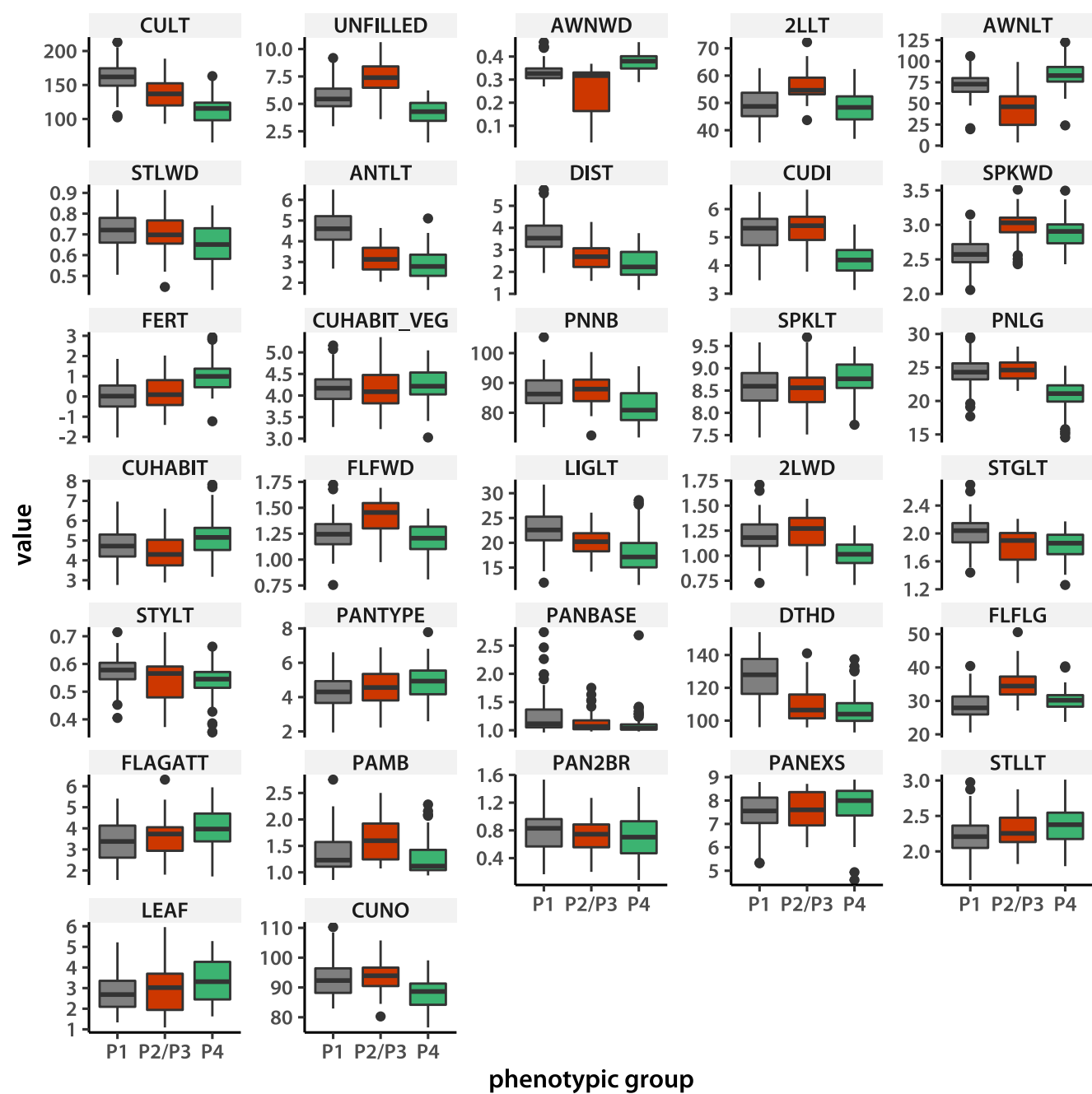
P2/P3

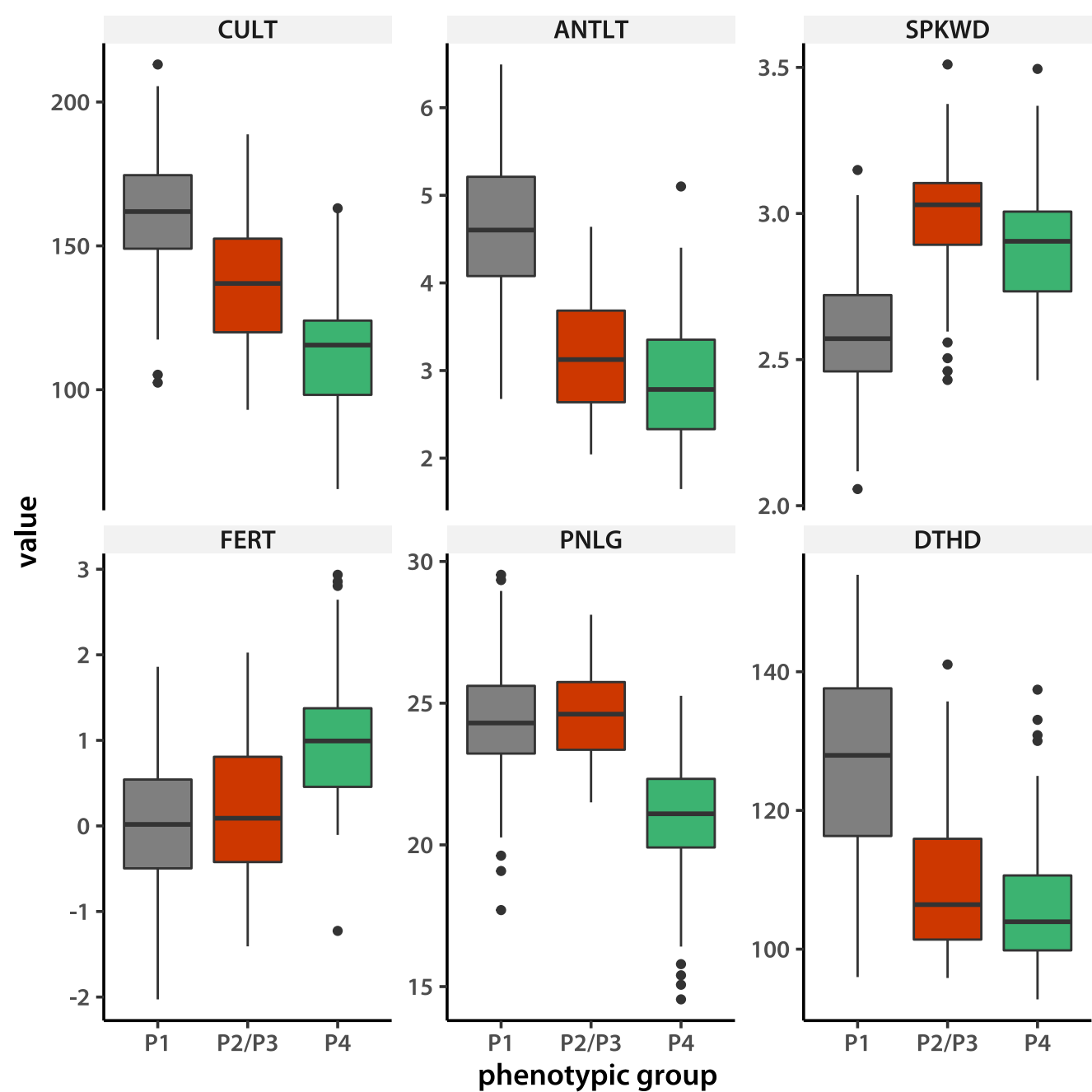


species    ● *O. rufipogon*    ● *O. nivara*

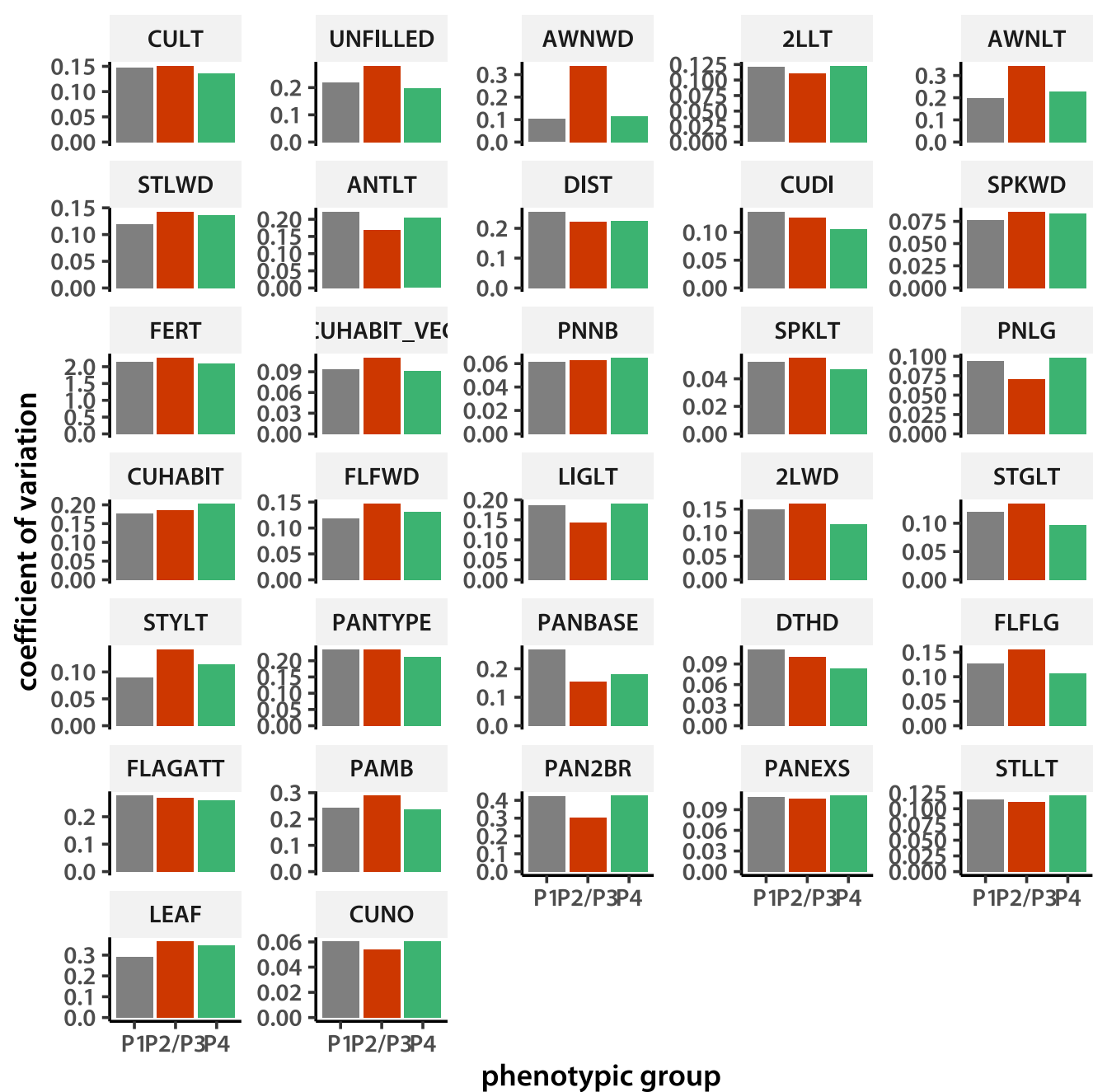




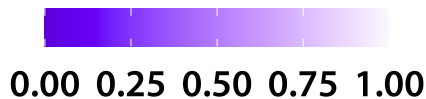




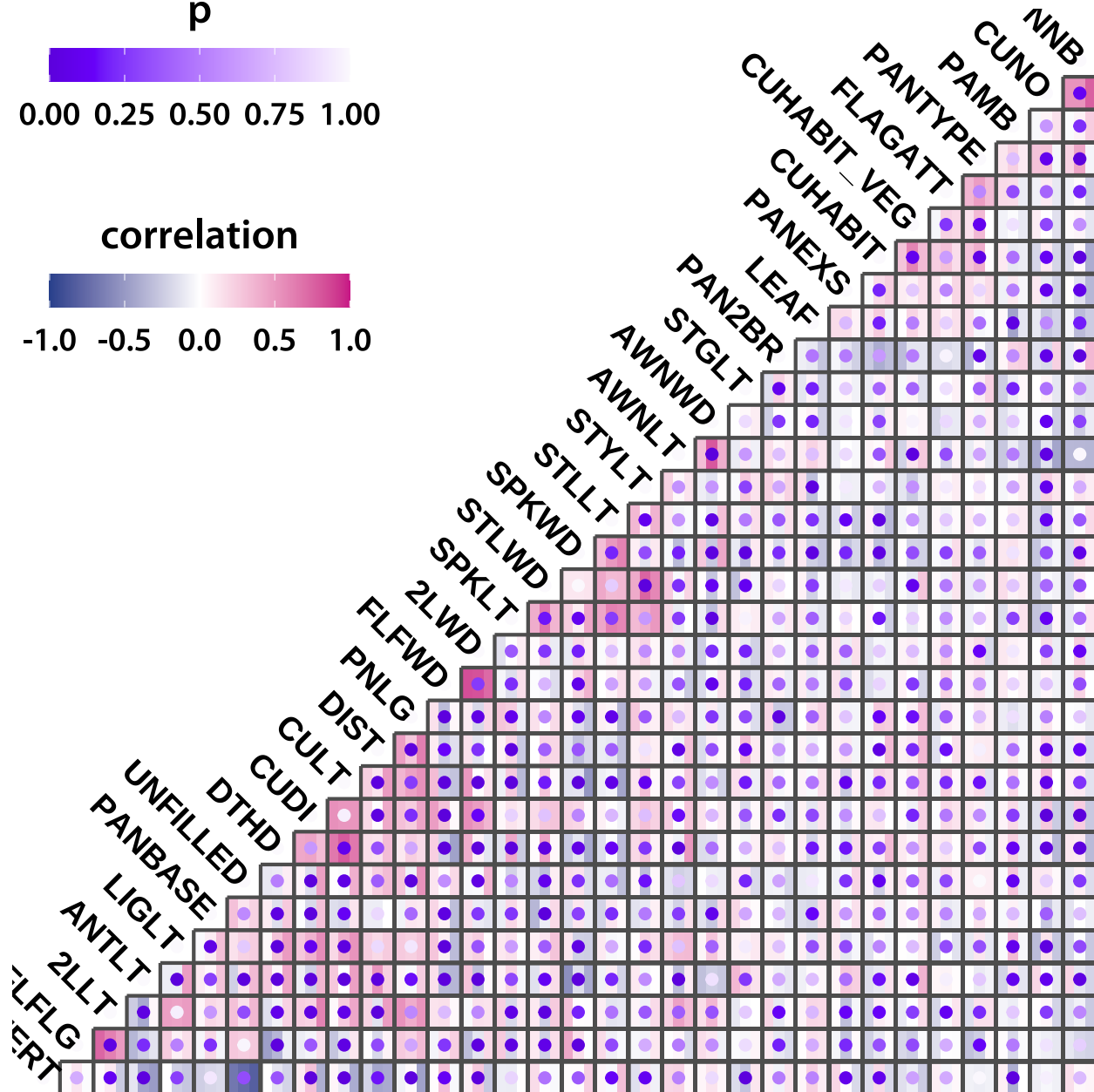


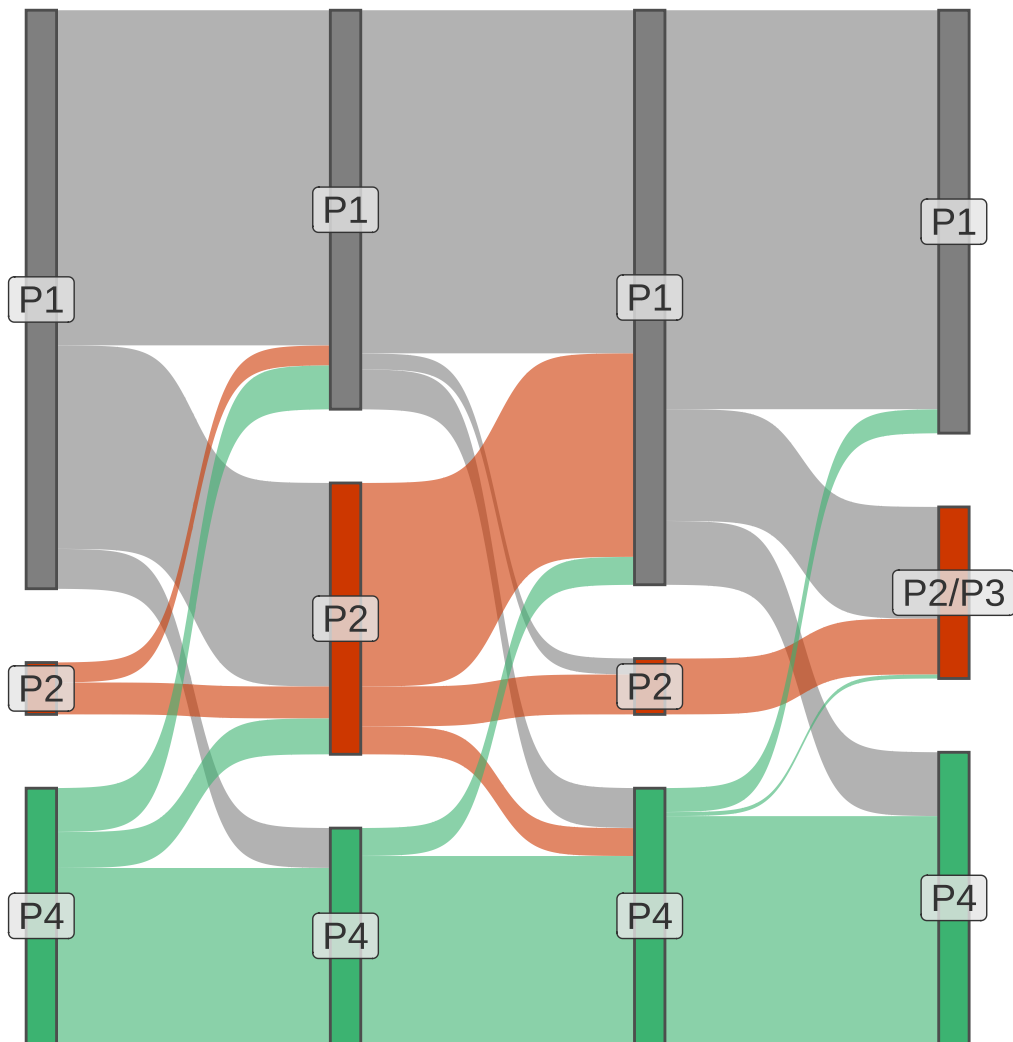


p



correlation



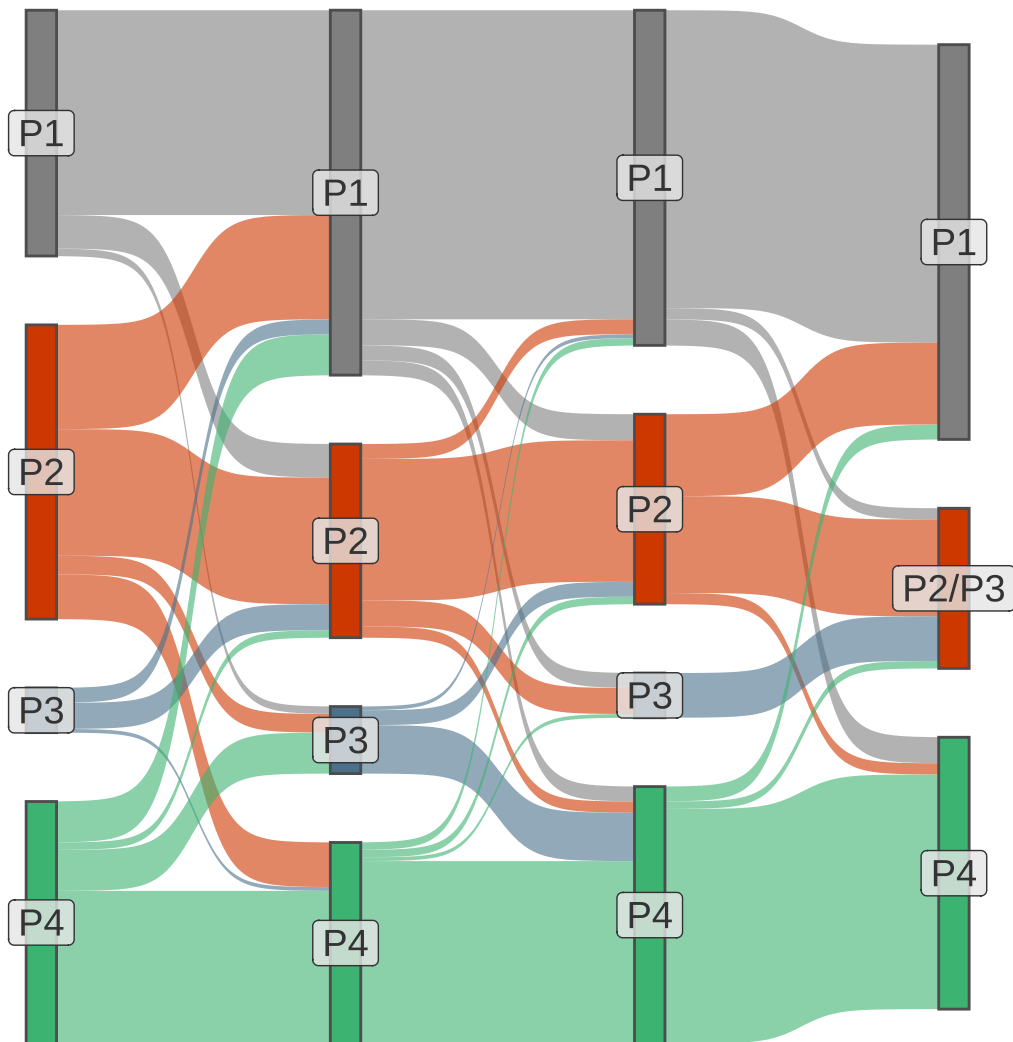


top by  
value  
9 traits

top by  
correlation  
11 traits

value  
+ correlation  
16 traits

all  
data  
32 traits

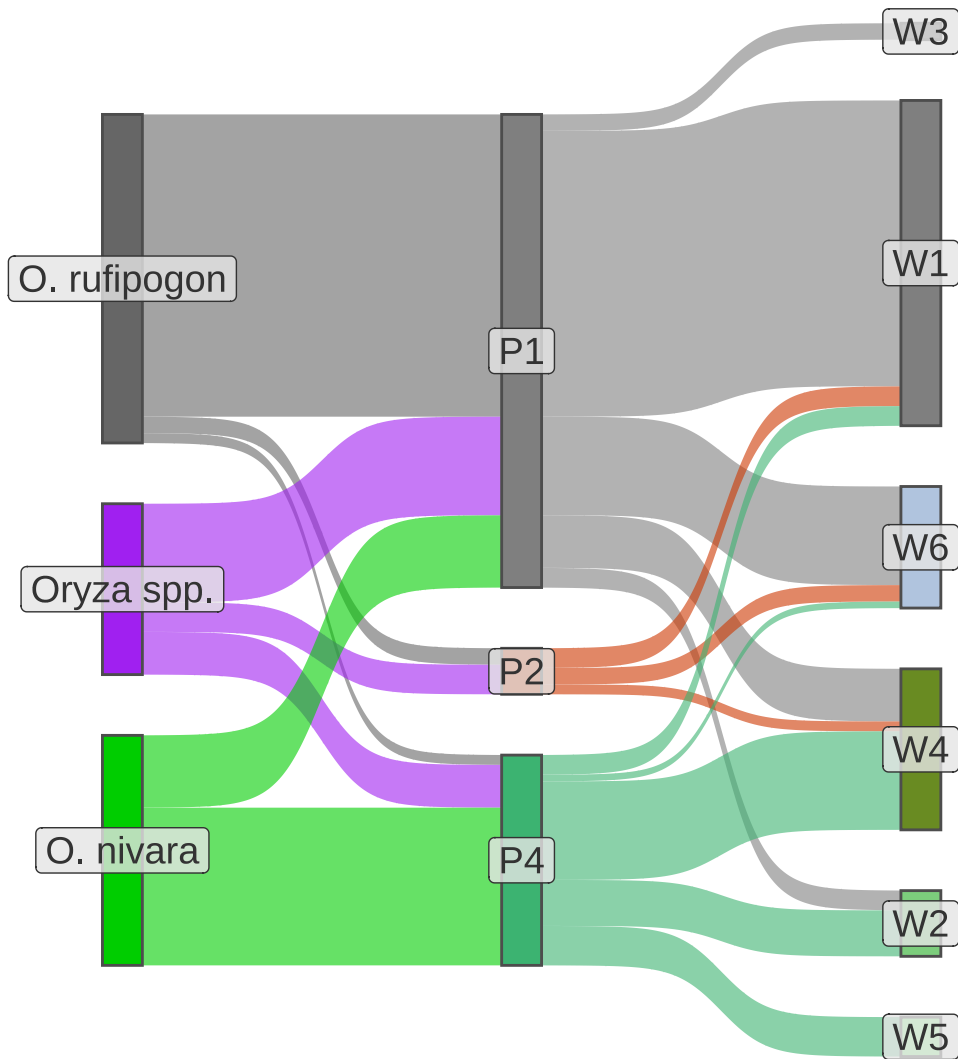


top by  
value  
9 traits

top by  
correlation  
11 traits

value  
+ correlation  
16 traits

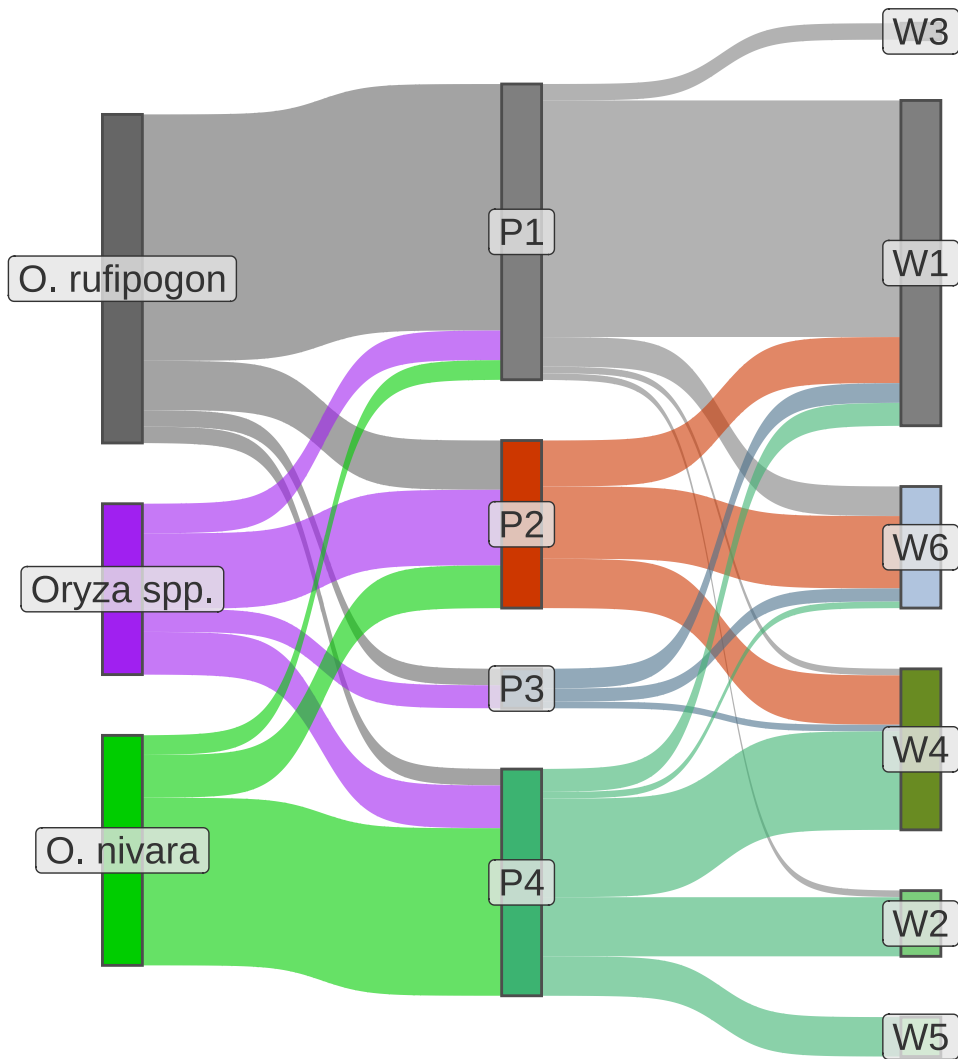
all  
data  
32 traits



species

phenotypic  
groups  
(16 traits)

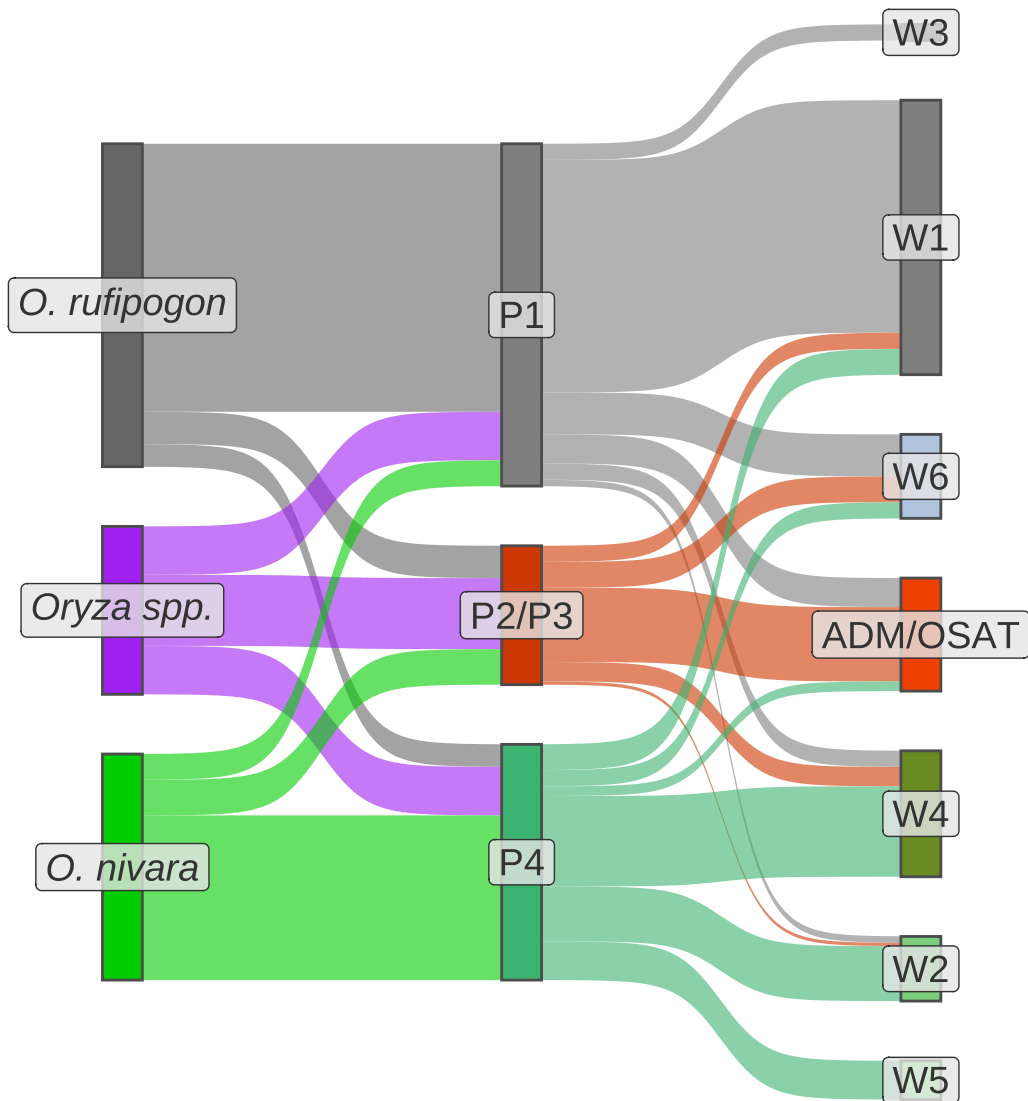
genetic  
subpopulations



species

phenotypic  
groups  
(16 traits)

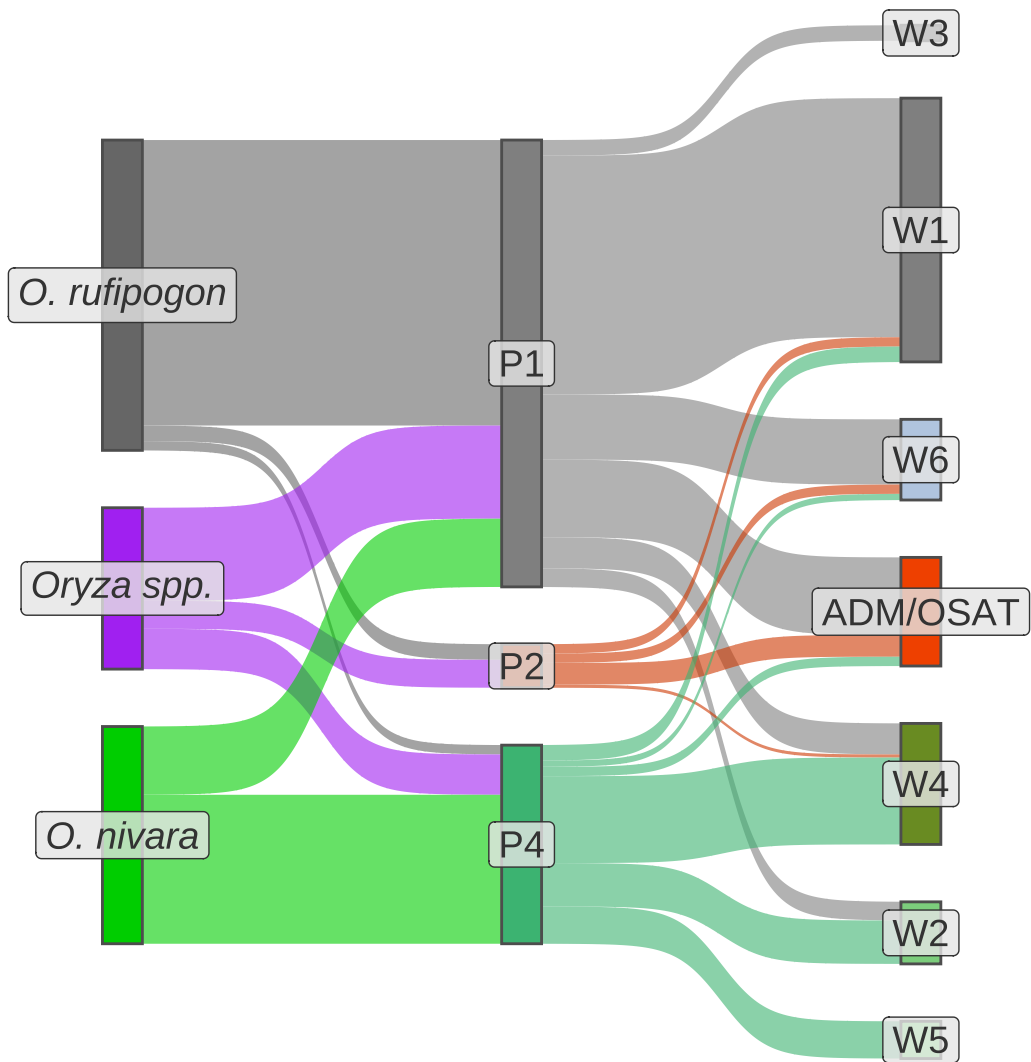
genetic  
subpopulations



species

phenotypic  
groups

genetic  
subpopulations

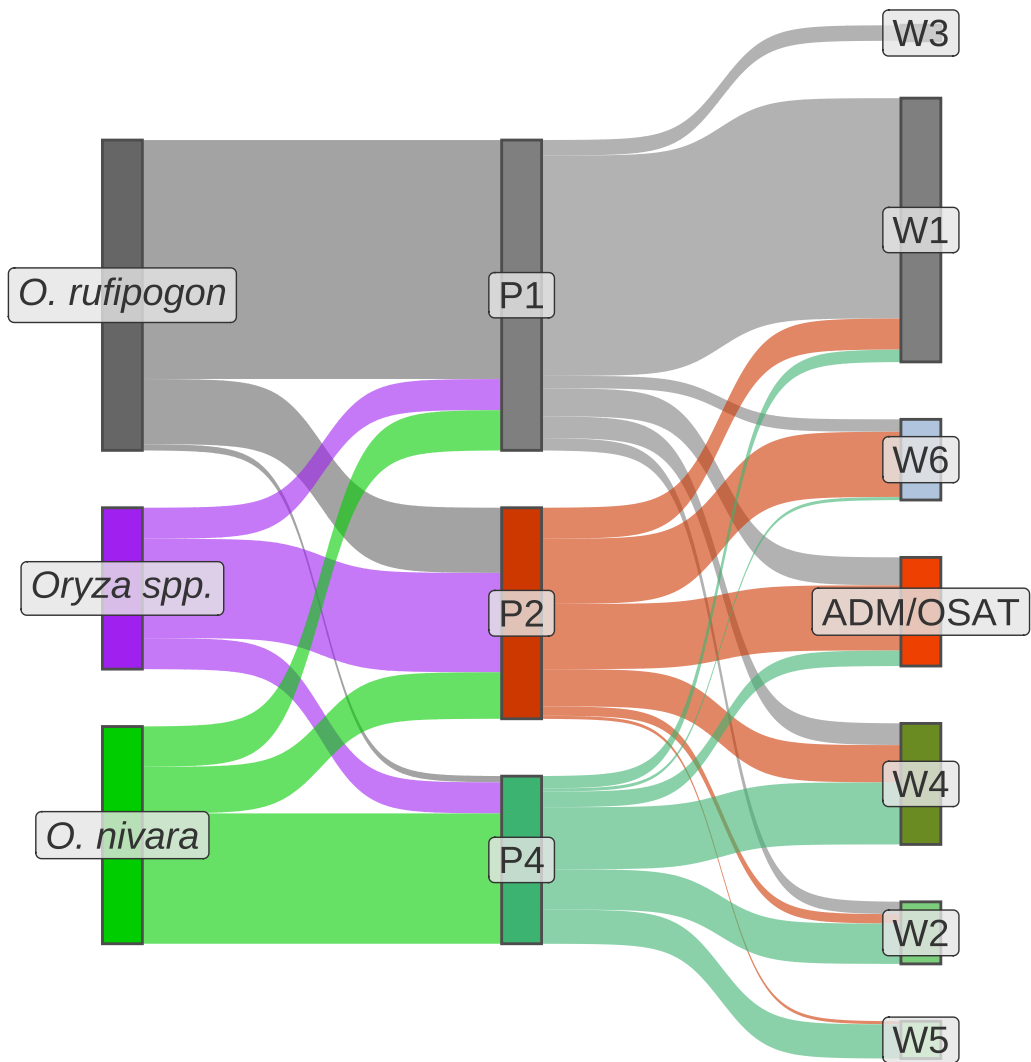


species

phenotypic  
groups  
(16 traits)

genetic  
subpopulations

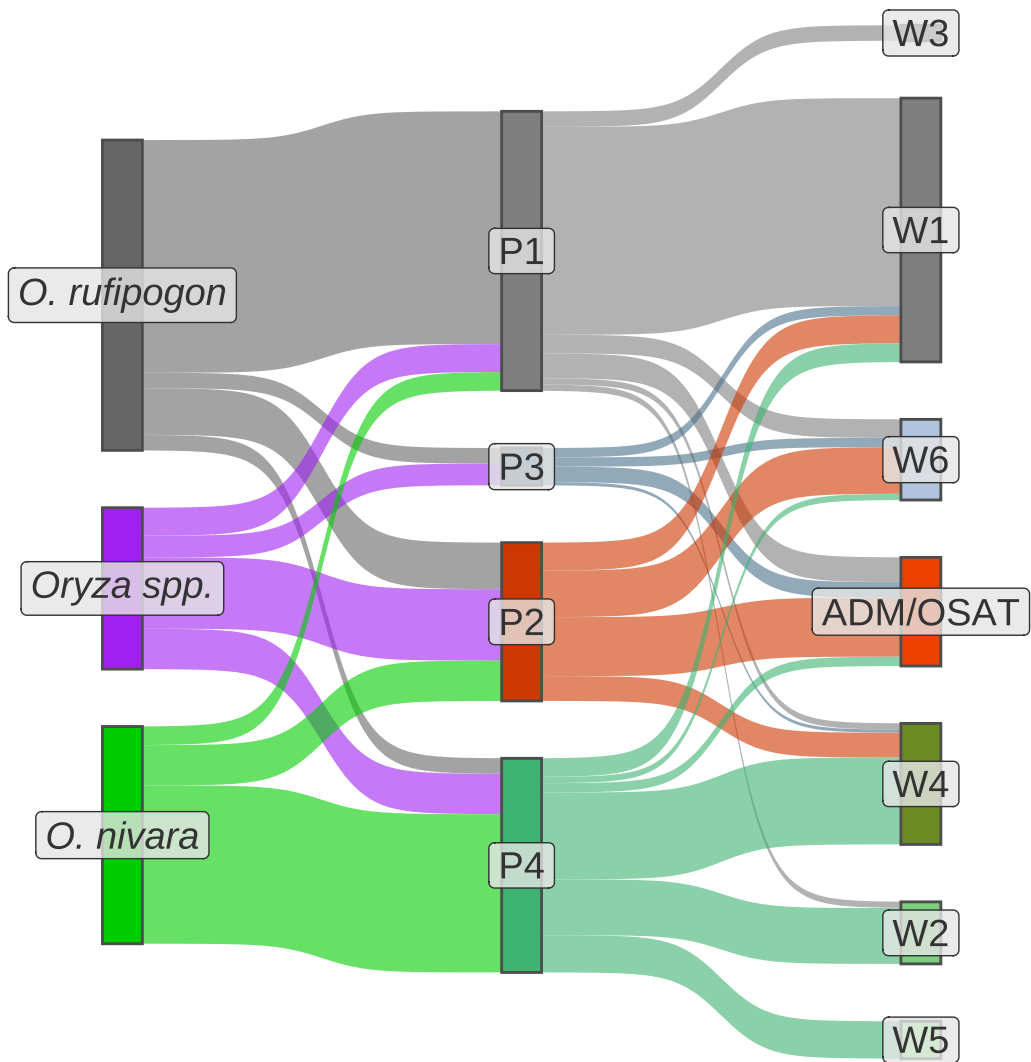




species

phenotypic  
groups  
(11 traits)

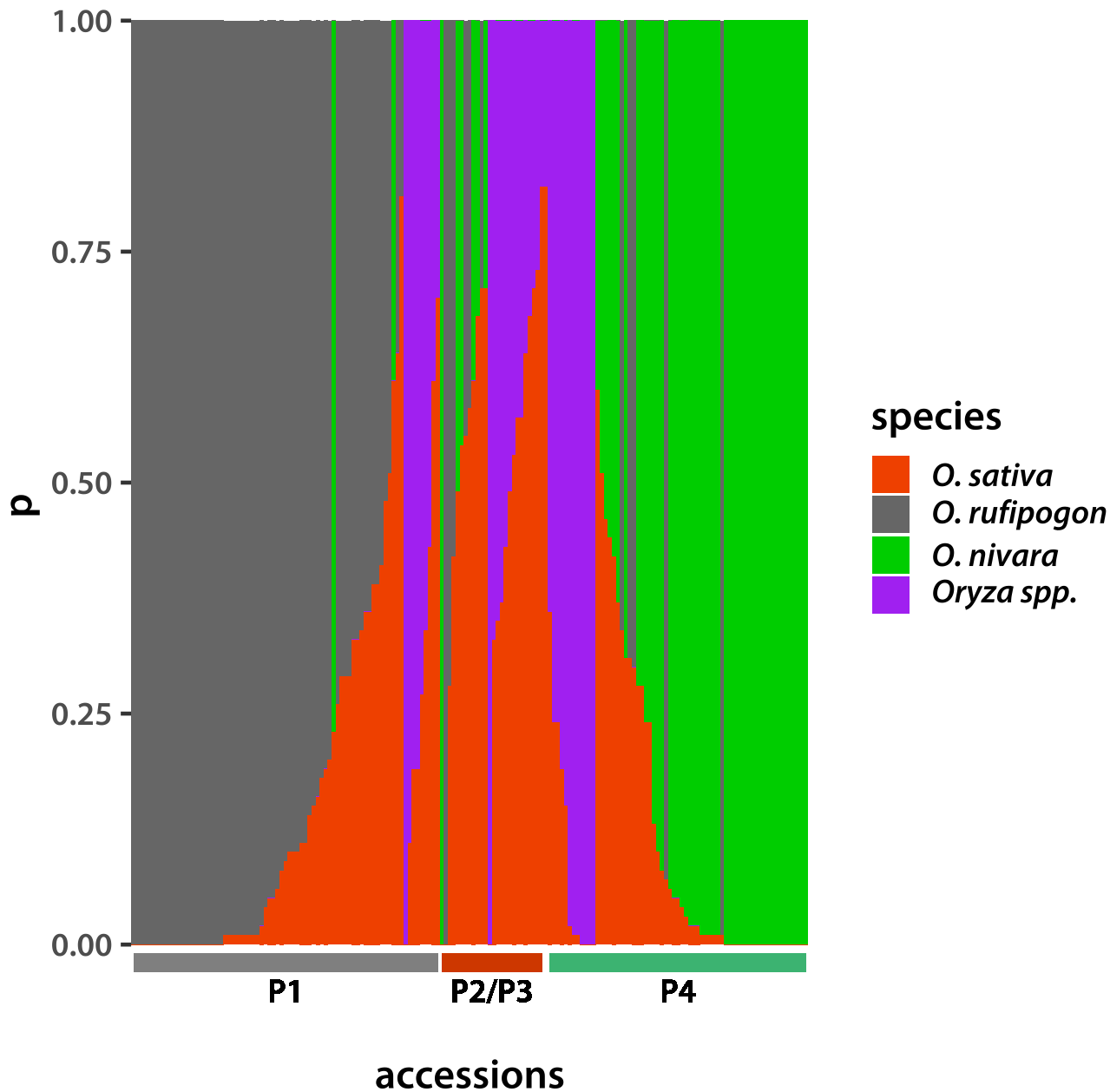
genetic  
subpopulations

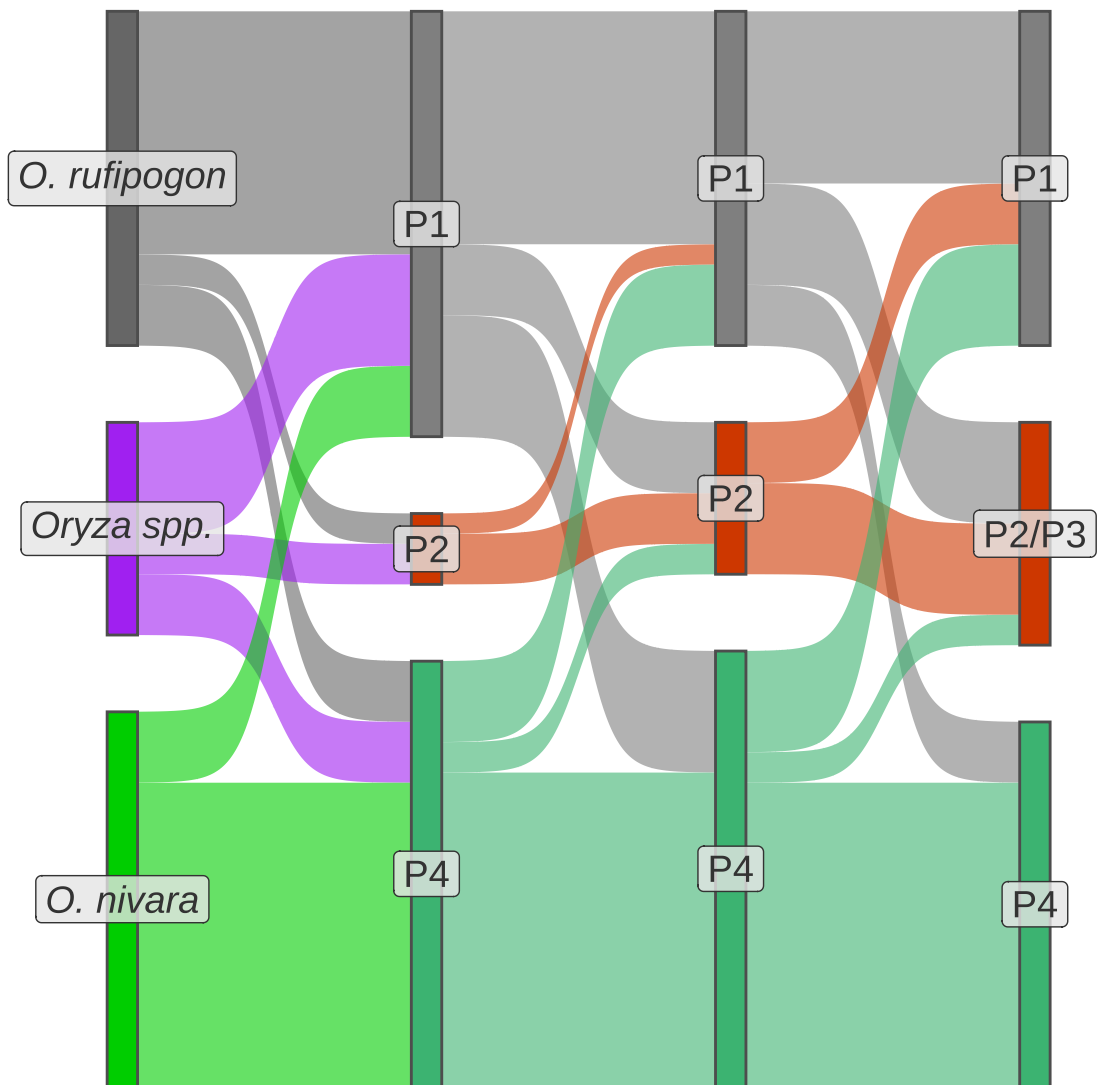


species

phenotypic  
groups  
(16 traits)

genetic  
subpopulations



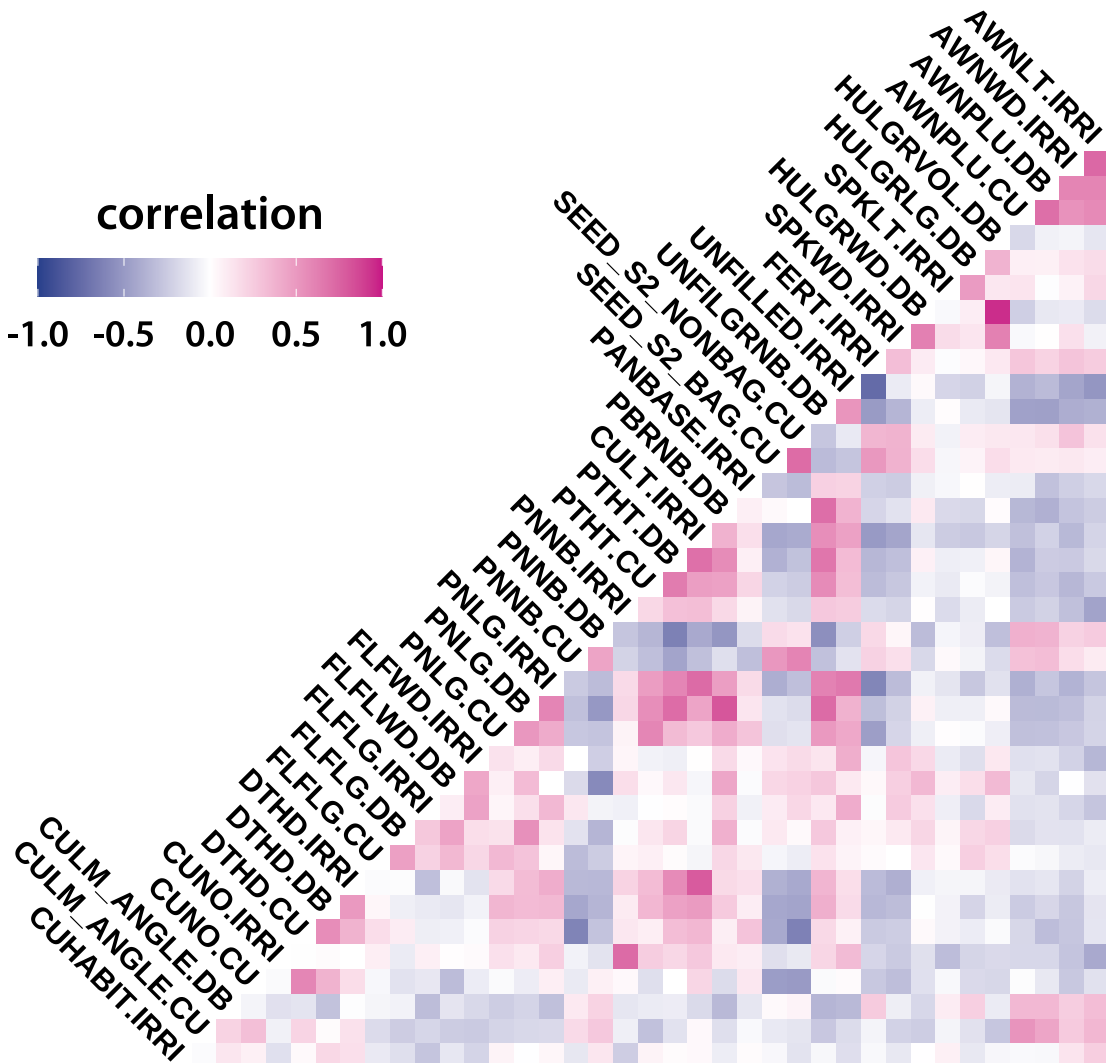


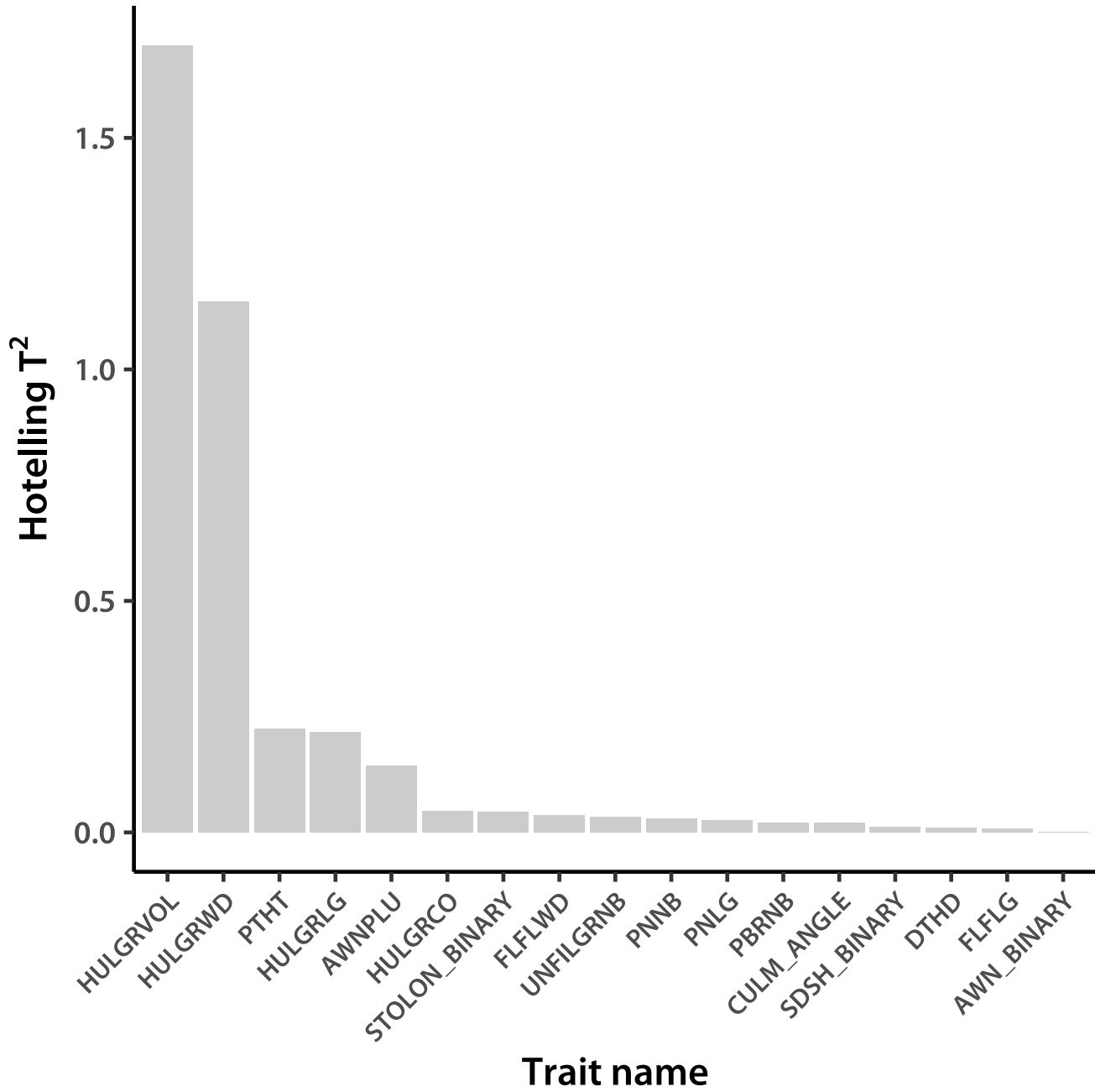
species

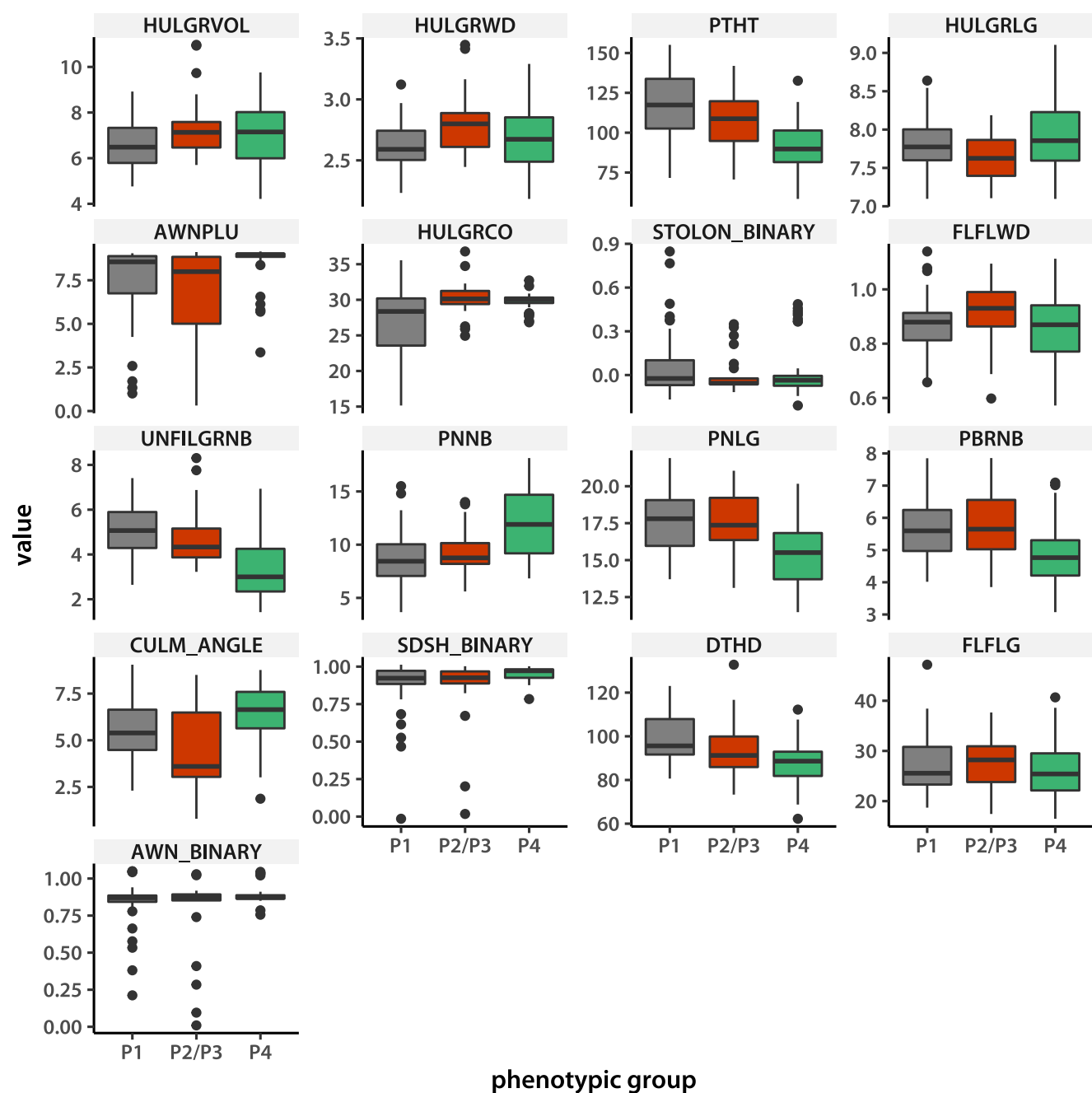
Dale  
Bumpers

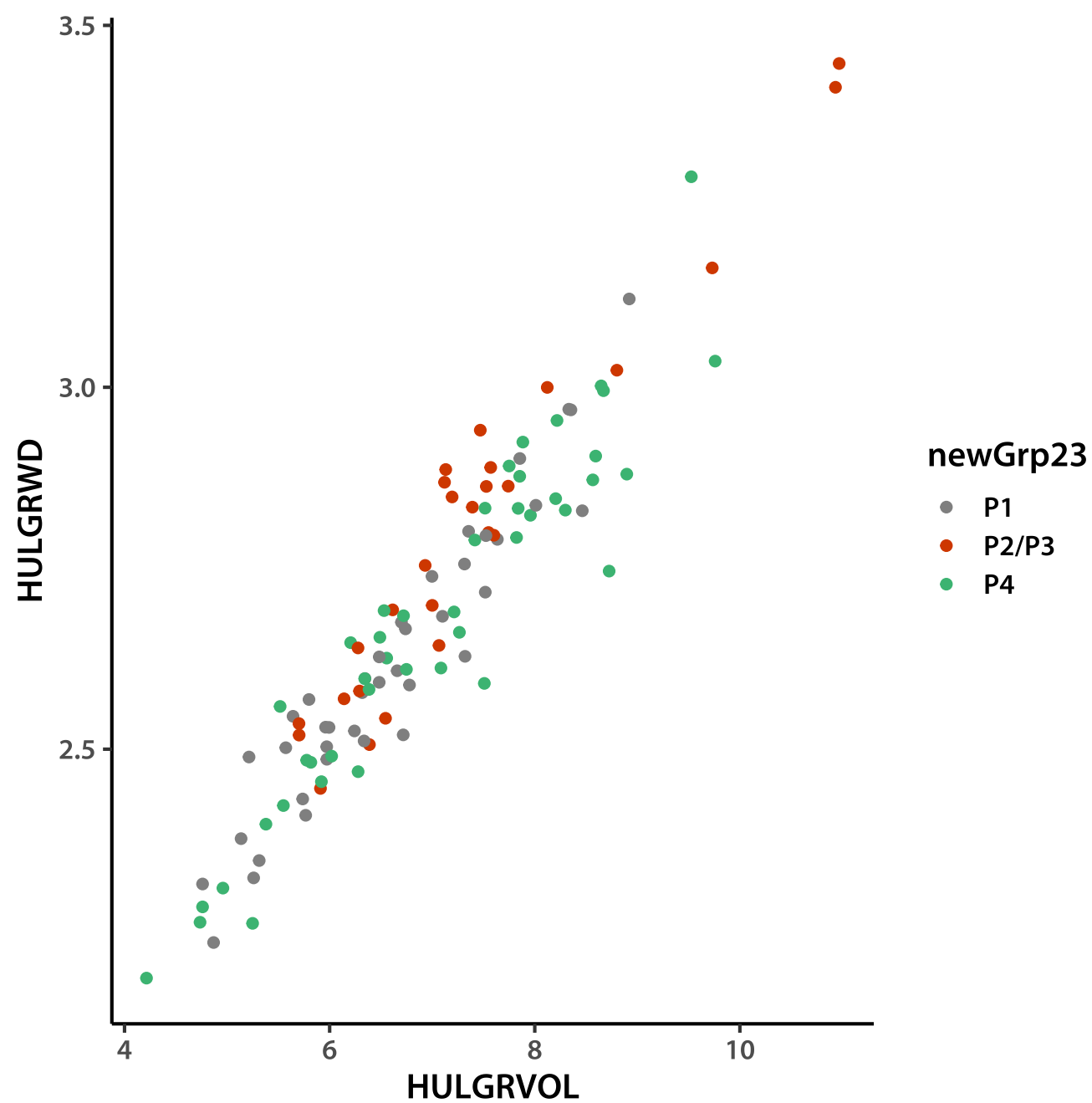
Cornell

IRRI  
all traits



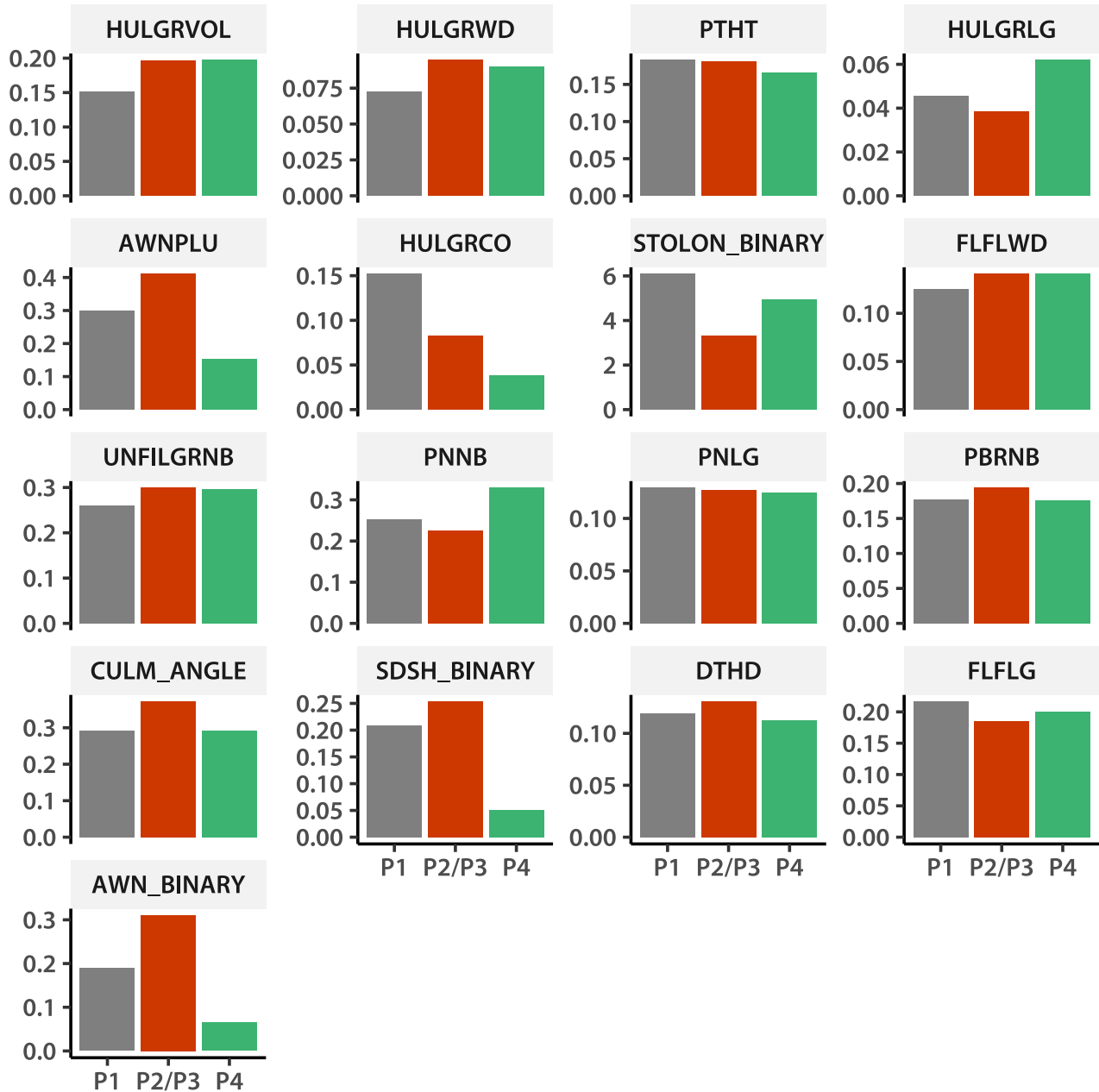




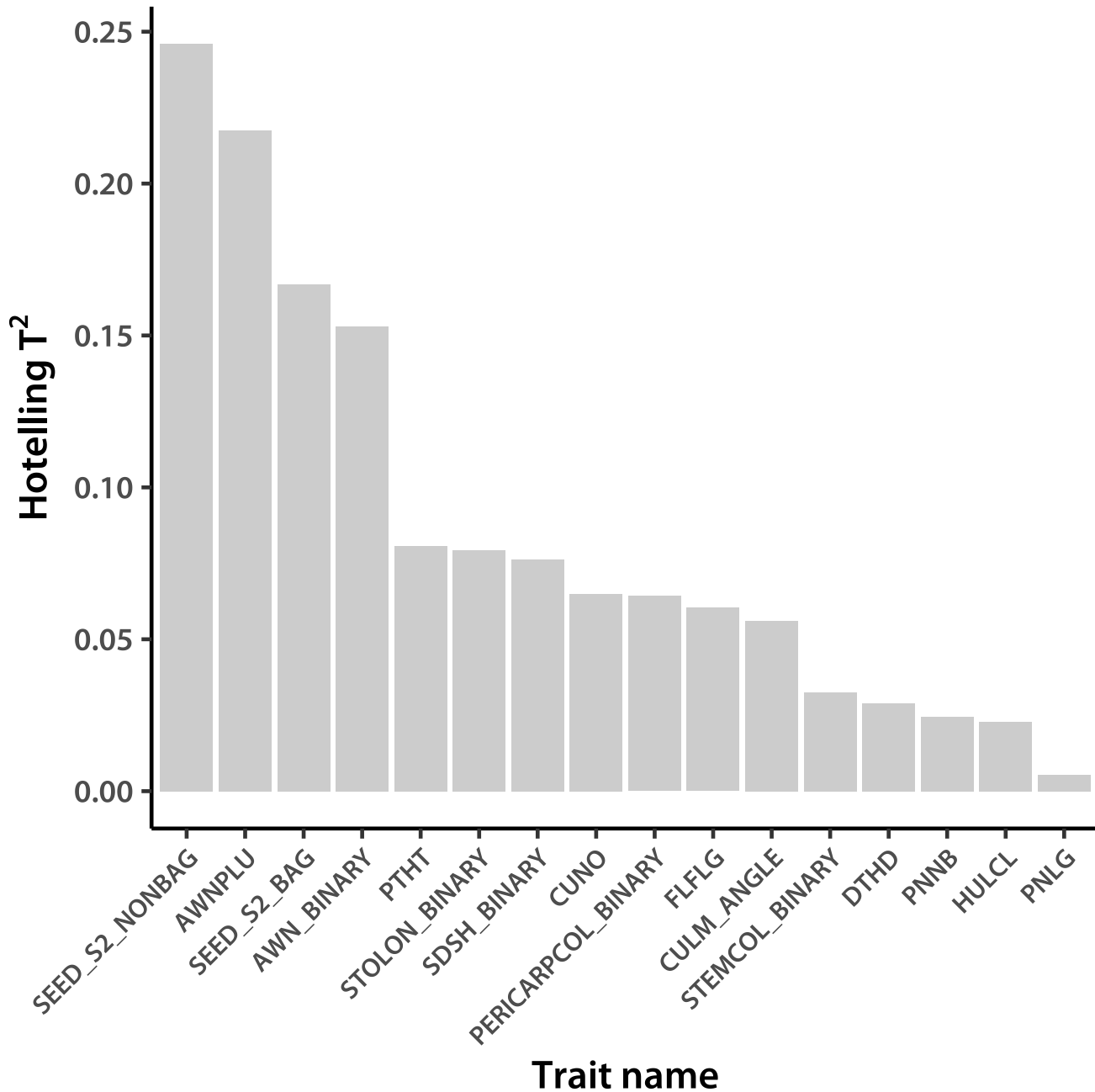


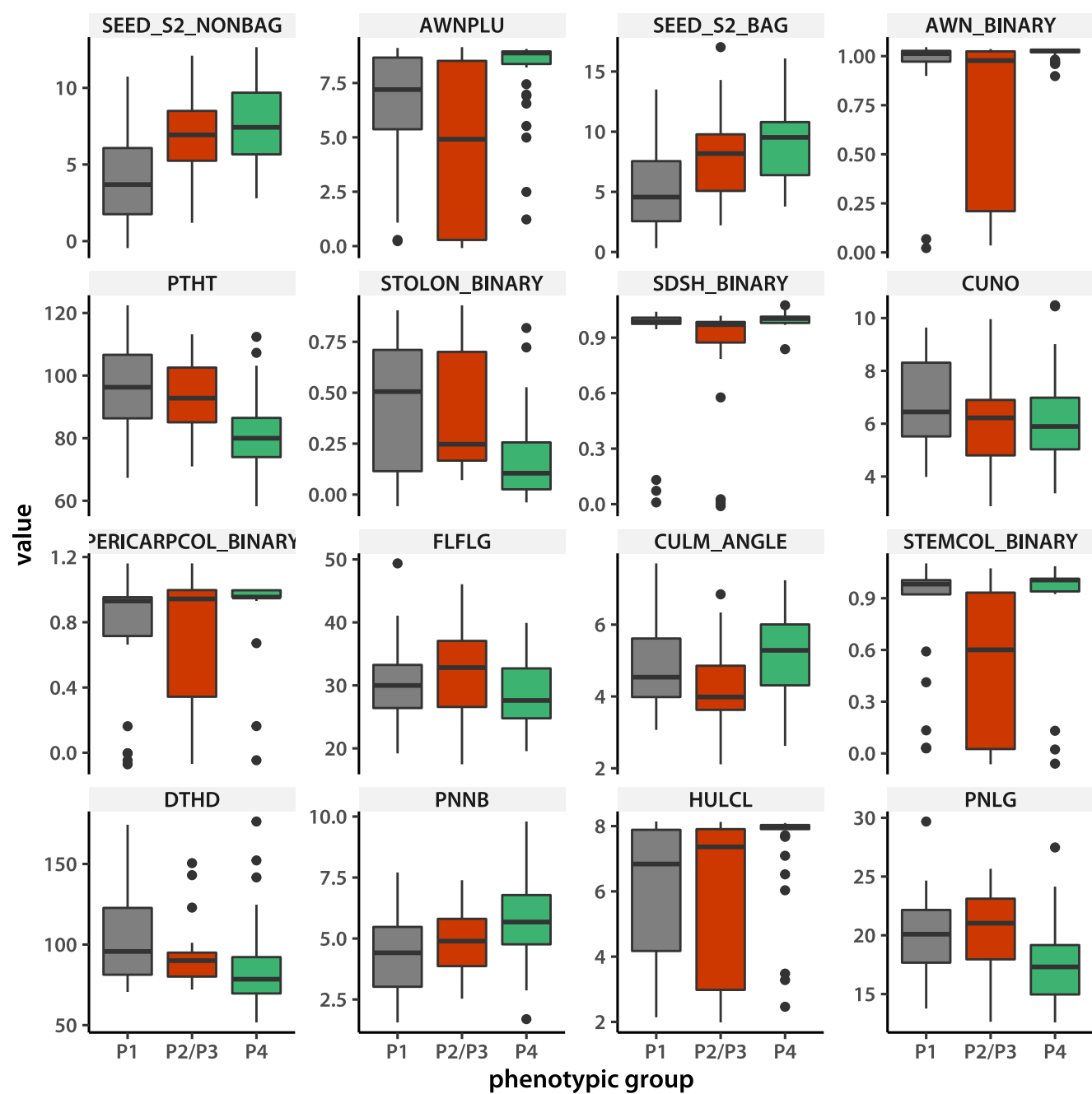


coefficient of variation

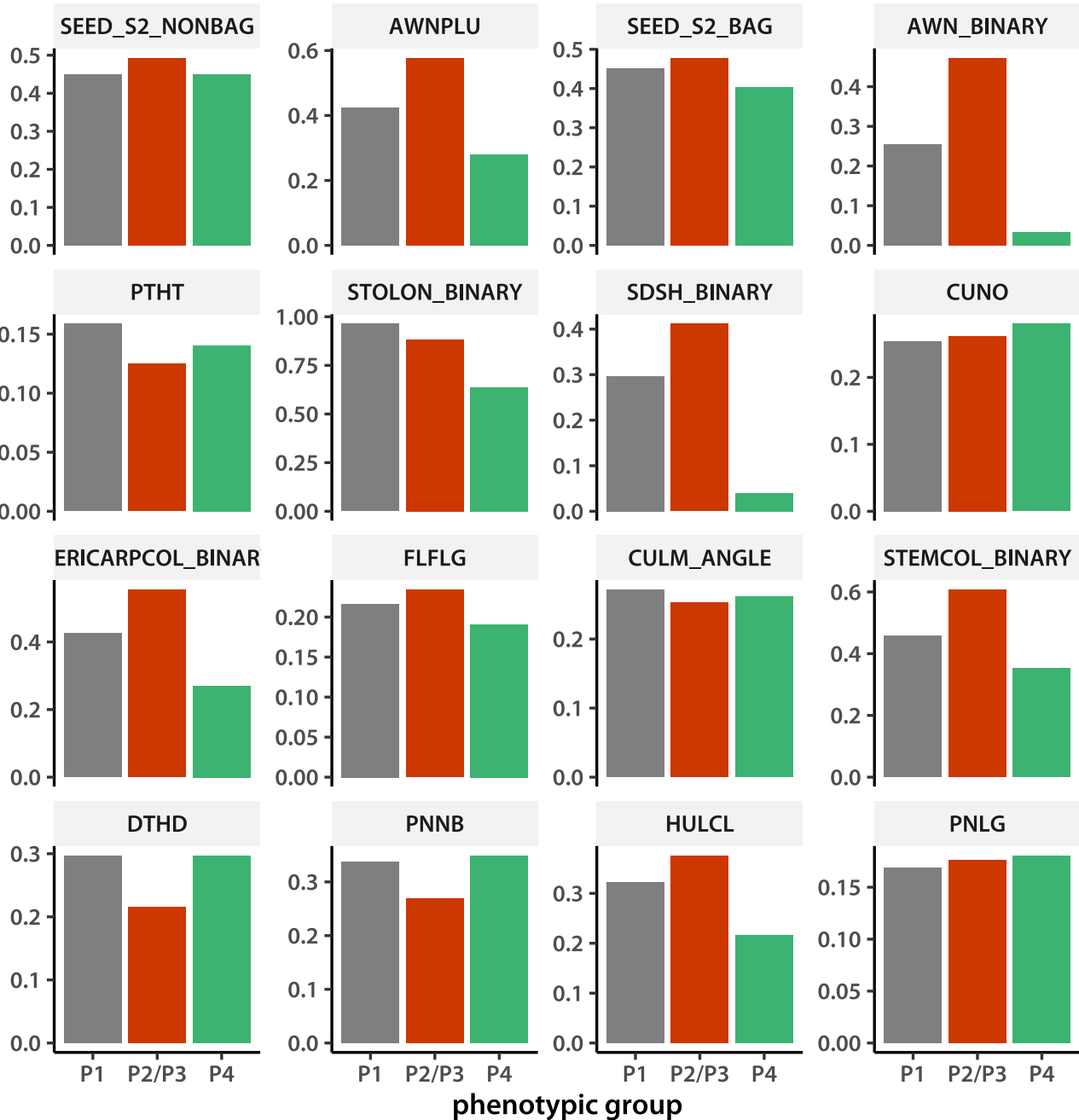


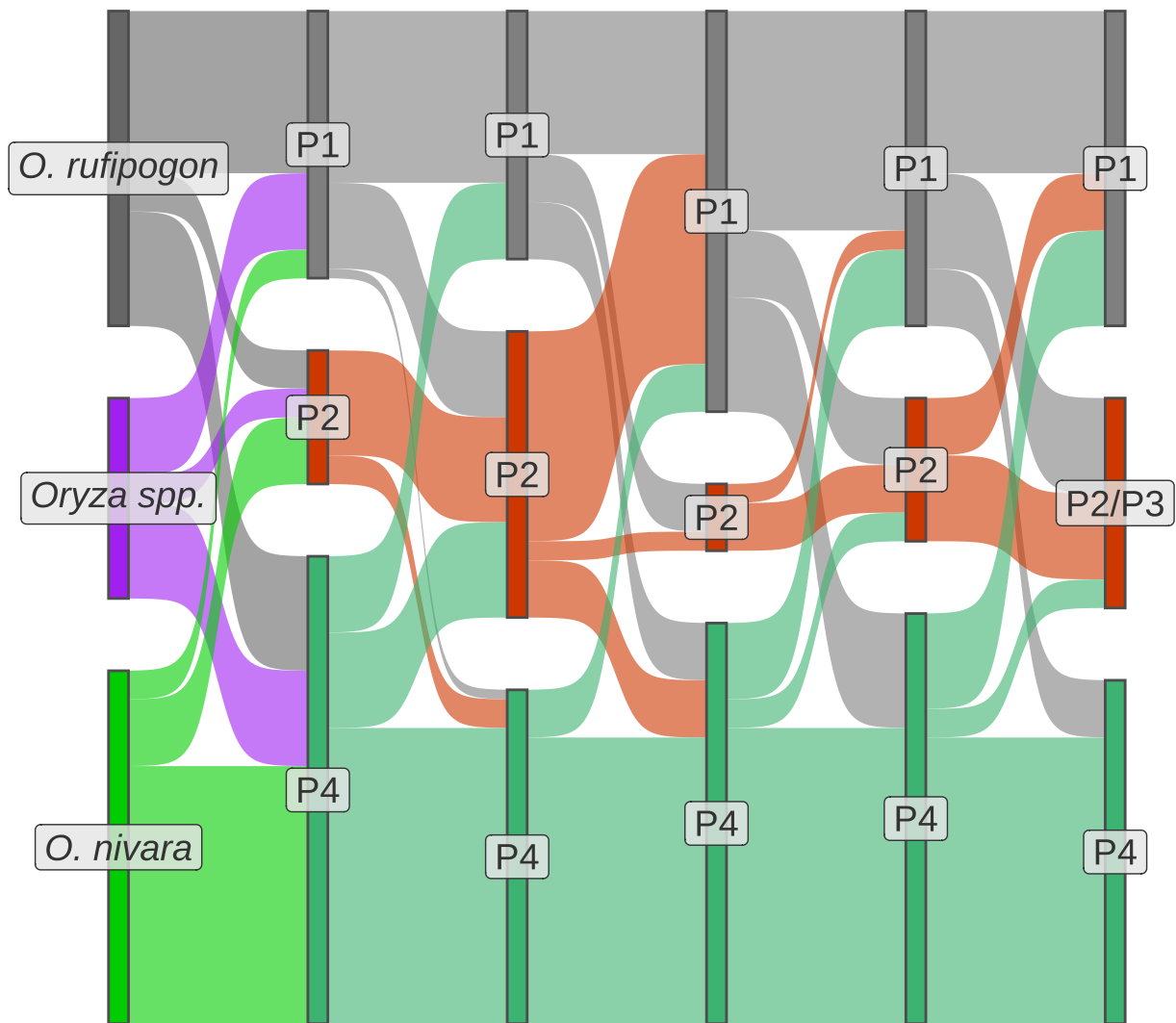
phenotypic group





coefficient of variation





species

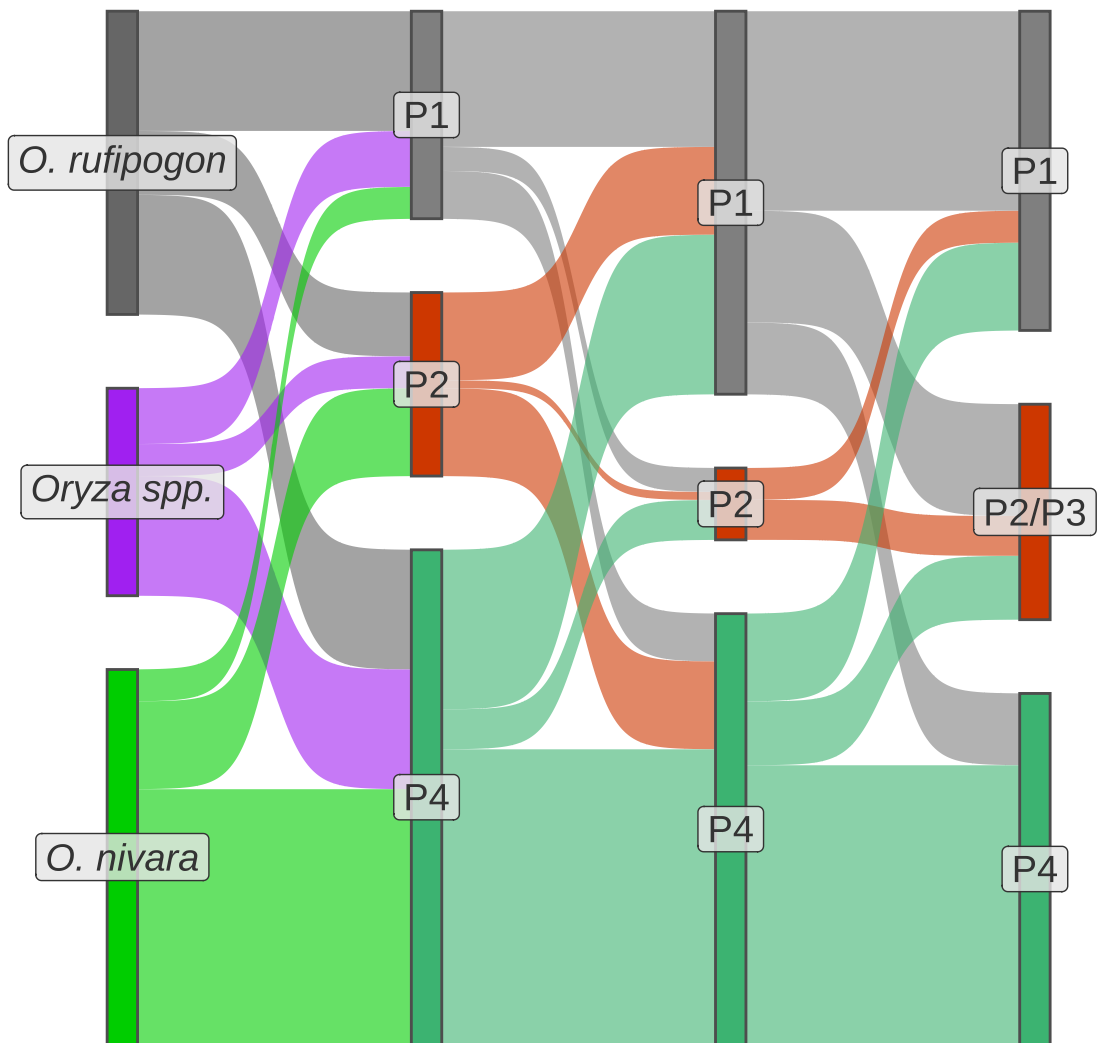
Cornell  
Dale Bumpers  
2x3 traits

Cornell  
Dale Bumpers  
2x4 traits

Dale  
Bumpers

Cornell

IRII  
all traits

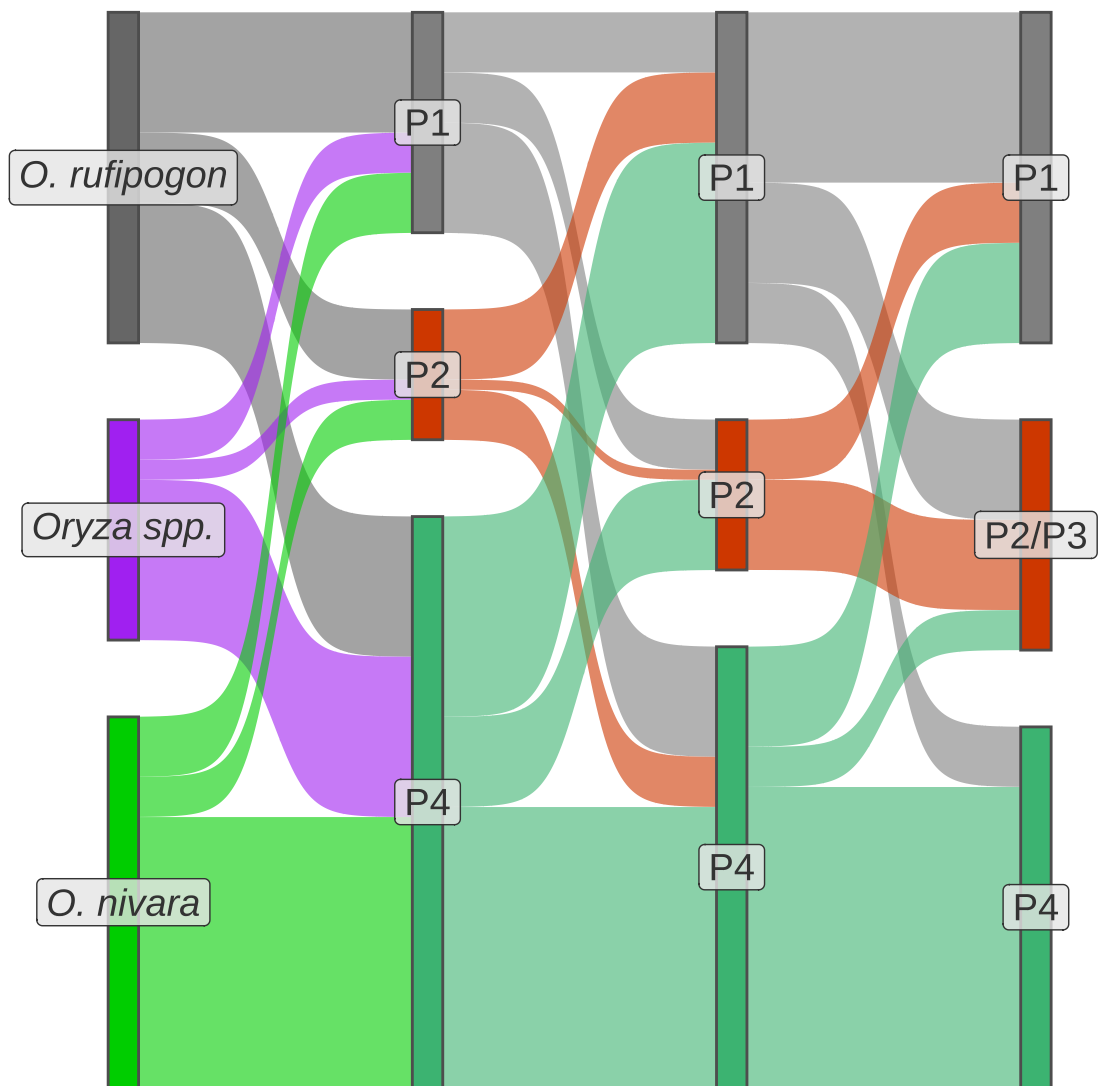


species

Dale Bumpers  
IRRI 8 (11) traits

Dale  
Bumpers  
all traits

IRRI  
all traits



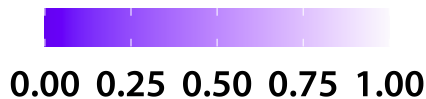
species

Cornell  
IRI 5 (11) traits

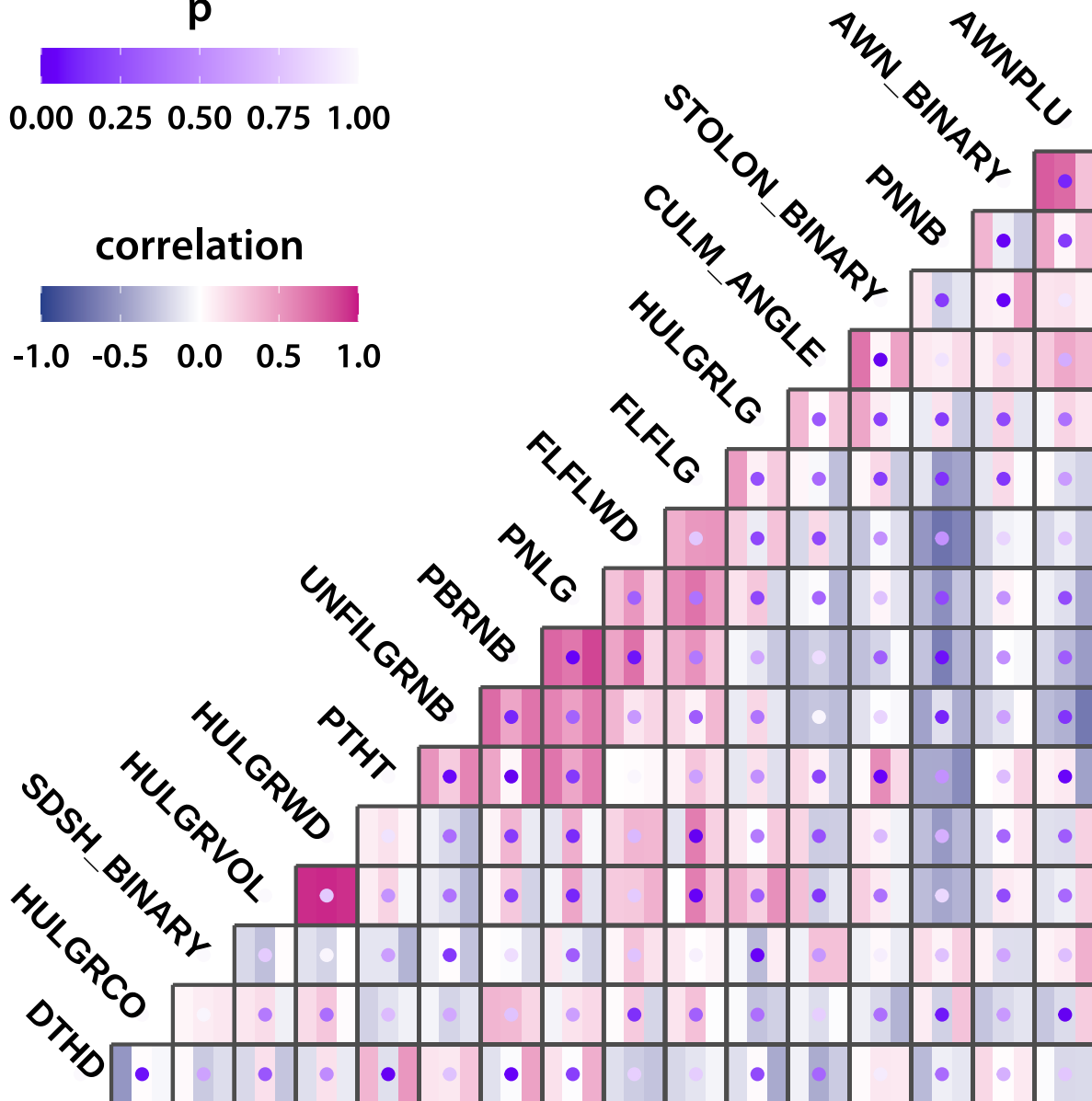
Cornell  
all traits

IRI  
all traits

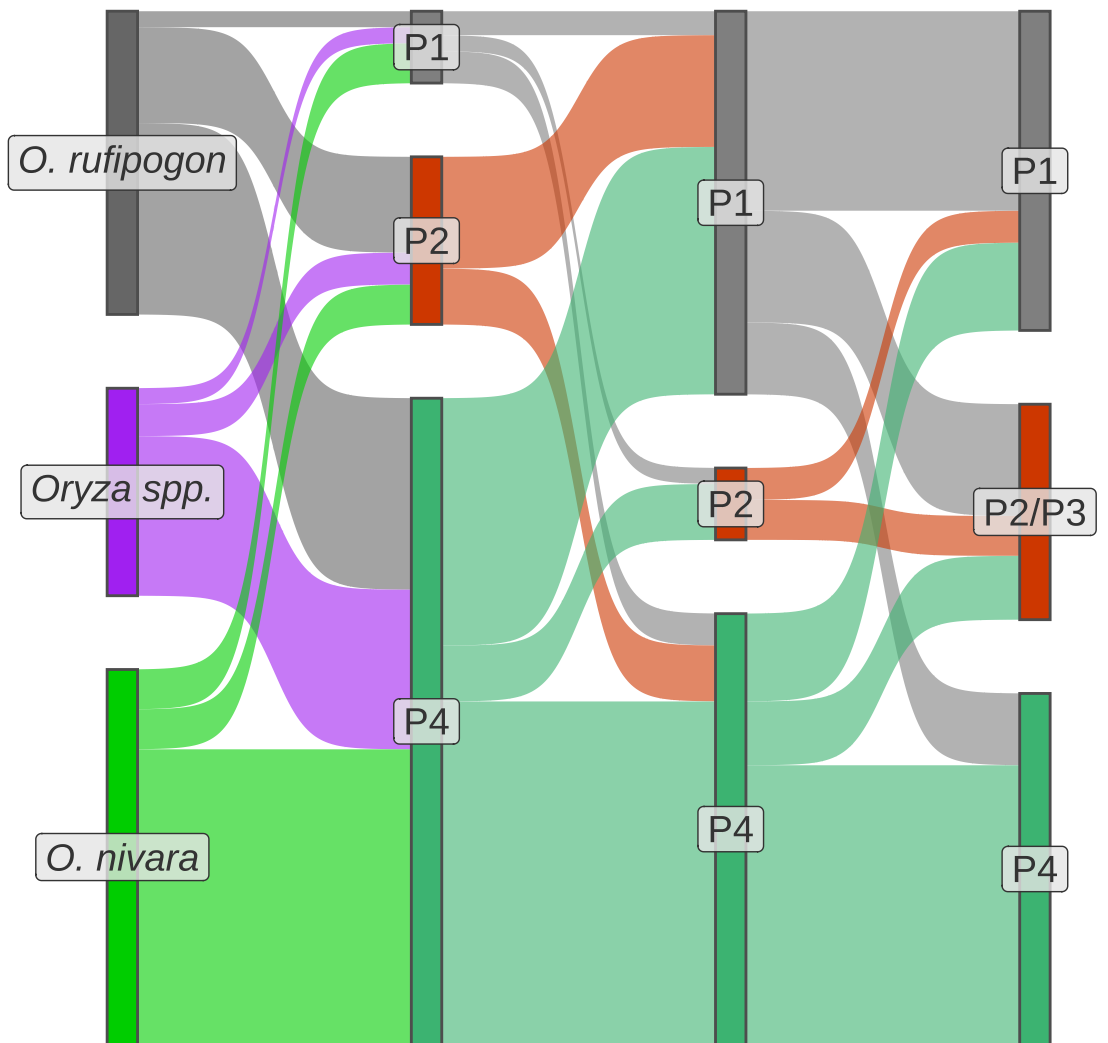
p



correlation







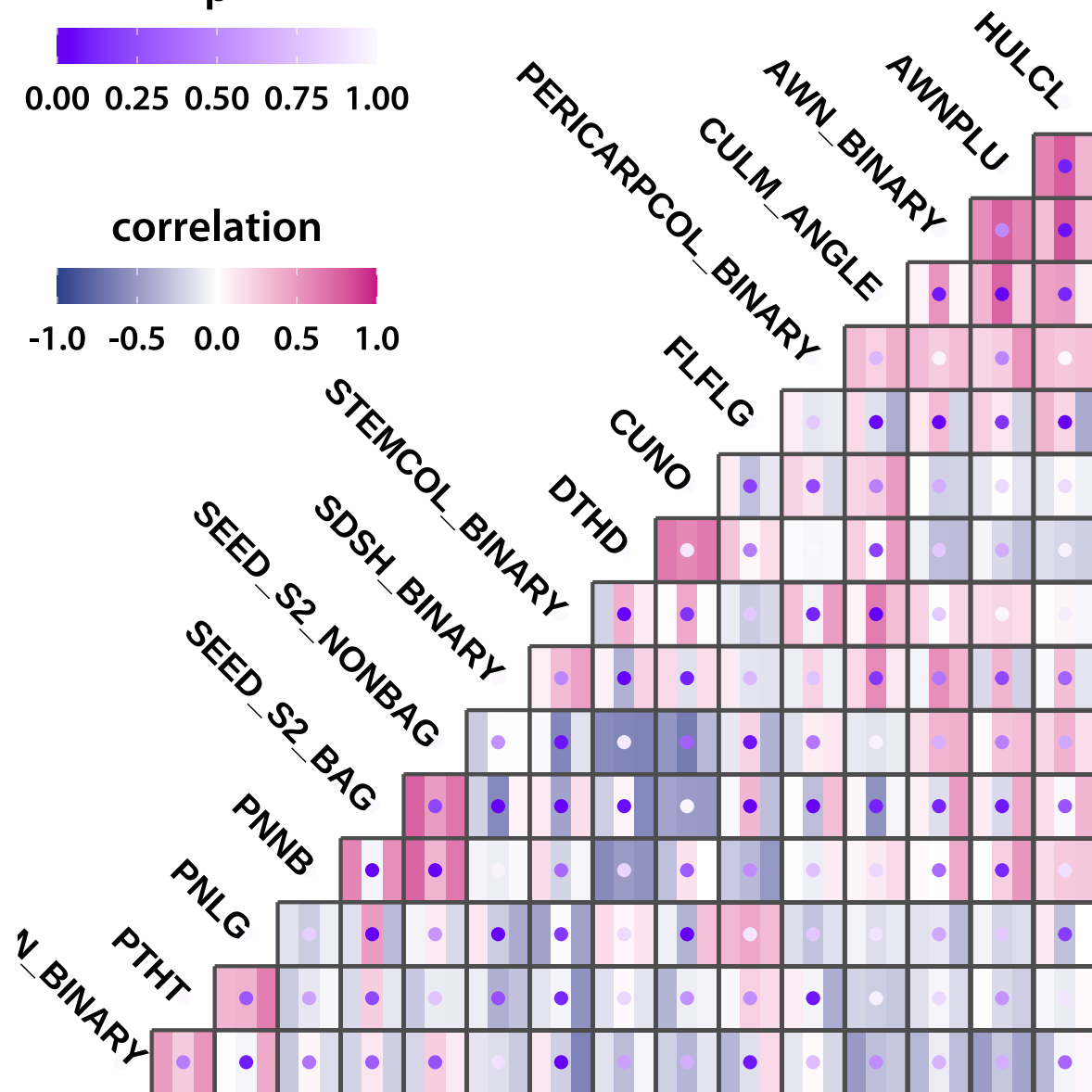
species

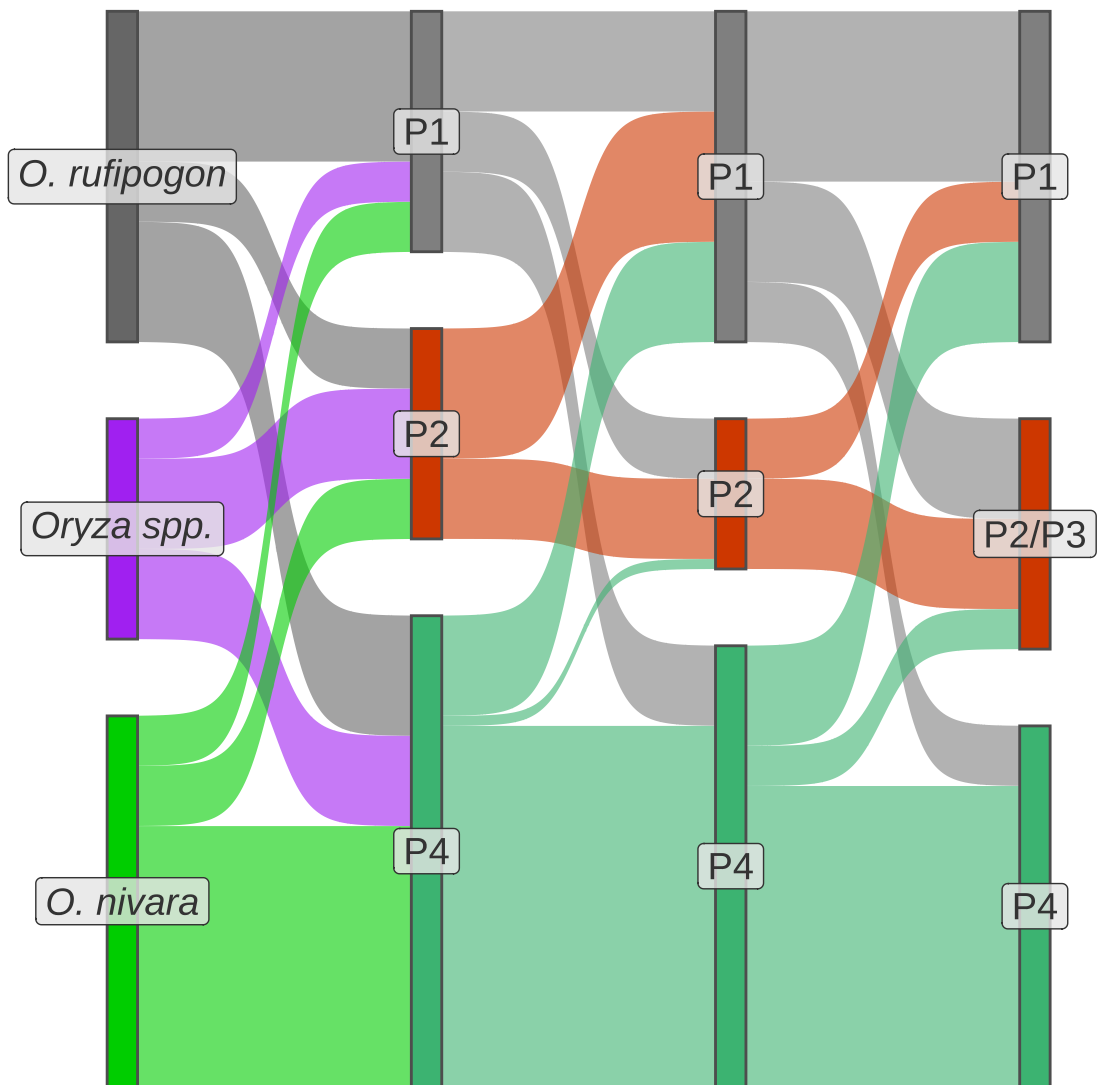
Dale Bumpers  
correlation (6)

Dale  
Bumpers  
all traits

IRRI  
all traits

Age Group	Percentage
18-24	10%
25-34	20%
35-44	25%
45-54	20%
55-64	15%
65-74	10%
75-84	5%
85+	5%





species

Cornell  
correlation (7)

Cornell  
all traits

IRRI  
all traits