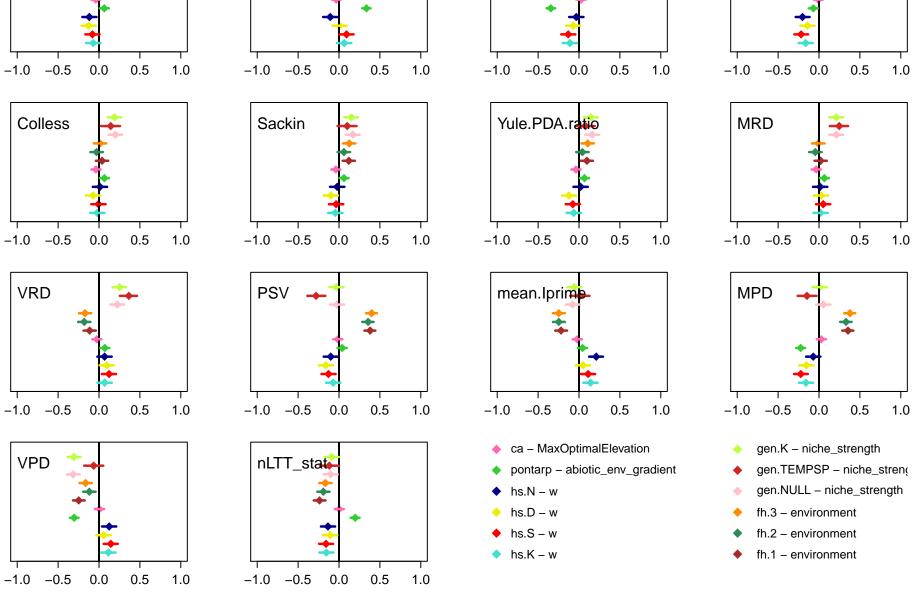
### environmental filtering experiment PD Gamma Beta -1.0 -0.50.0 -1.0 -0.50.0 0.5 -1.0 -0.5 0.0 0.5 1.0 1.0 0.5 1.0 Yule.PDA.ratio Sackin **MRD** -0.5 0.0 0.5 1.0 -0.5 0.0 0.5 1.0 -0.5 0.0 0.5 -1.0-1.0-1.01.0 **PSV** MPD mean.lprime



correlation coefficient

log10S

#### niche conservatism experiment PD Gamma Beta -1.0 -0.5 0.0 0.5 0.5 -1.0 -0.50.0 0.5 -1.0 -0.50.0 0.5 1.0 1.0 1.0 Yule.PDA.ratio MRD Sackin -0.5 -1.0 -0.5 0.5 0.5 1.0 0.0 0.5 1.0 -0.5 0.0 0.5 1.0 0.0 -1.0 -1.01.0 **PSV** MPD mean.lprime 0.5 1.0 -1.0 -0.50.0 0.5 1.0 -1.0 -0.50.0 0.5 1.0 -0.5 0.0 0.5 -1.0 hs.N - sigma\_E gen.K - mutation nLTT\_stat gen.TEMPSP - mutation hs.D - sigma\_E

hs.S - sigma\_E

hs.K – sigma\_E

gen.NULL - mutation

ca - Niche\_evolution

pontarp - mutation\_step

correlation coefficient

-1.0

-0.5

0.0

0.5

1.0

log10S

-0.5

-0.5

-0.5

-0.5

-1.0

-1.0

**VPD** 

**VRD** 

Colless

-1.0

0.0

0.0

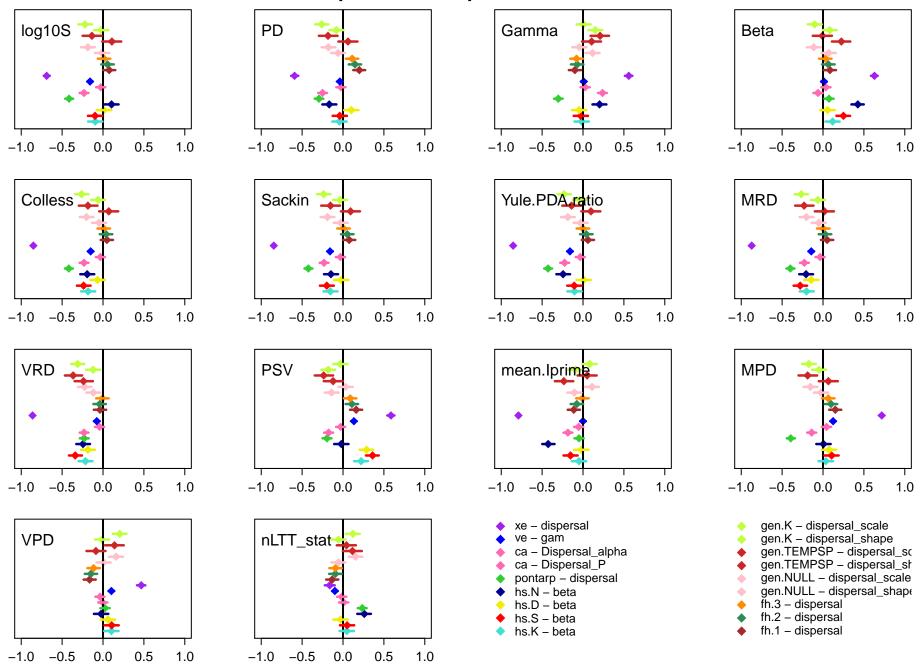
0.0

0.0

0.5

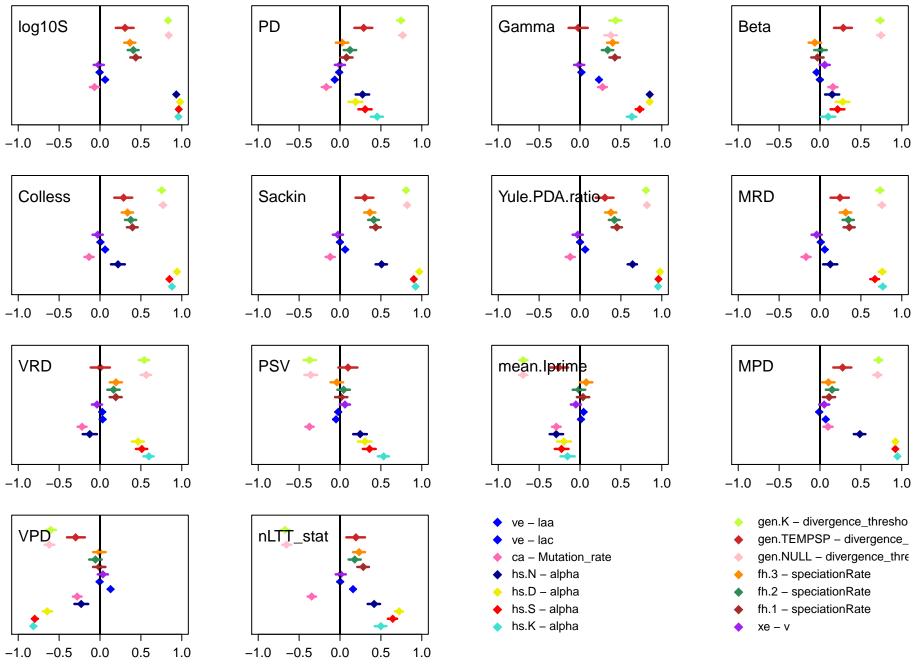
1.0

## dispersal experiment



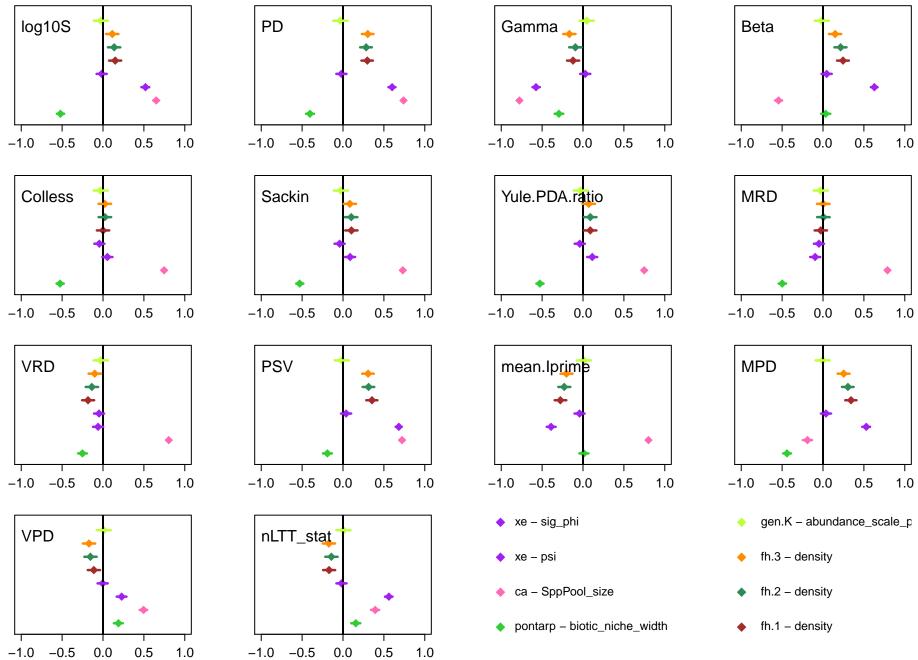
correlation coefficient

## mutation/speciation rate experiment



correlation coefficient

# competition experiment



correlation coefficient