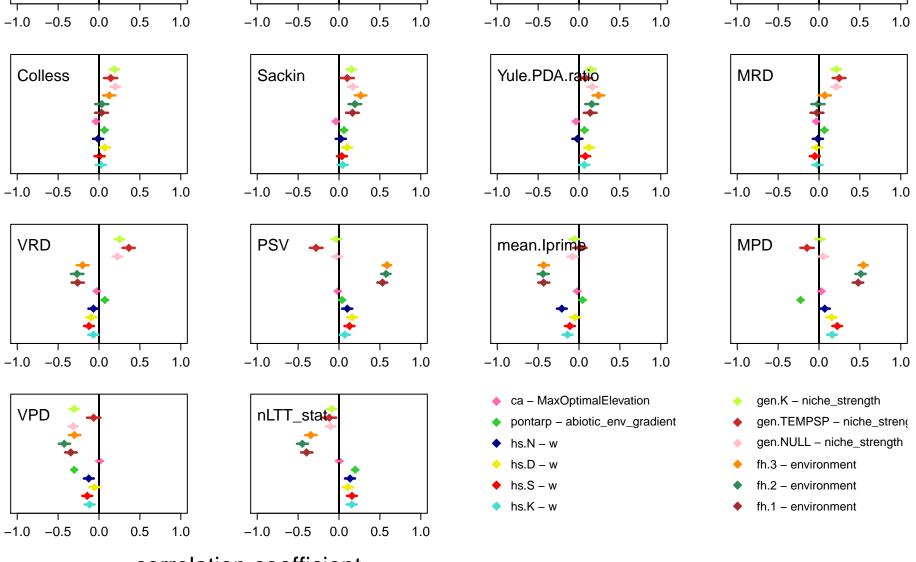
environmental filtering experiment PD Gamma Beta -1.0 -0.50.0 0.5 -1.0 -0.5-1.0 -0.5 0.0 1.0 0.0 0.5 1.0 0.5 1.0 Yule.PDA.ratio Sackin MRD -0.5 0.0 0.5 1.0 -0.5 0.0 0.5 -0.5 0.0 0.5 -1.0 -1.01.0 -1.01.0 **PSV** MPD mean.lprime -0.5 0.0 0.5 1.0 -1.0 -0.50.0 0.5 -0.5 0.0 0.5 -1.0 1.0 -1.0 1.0



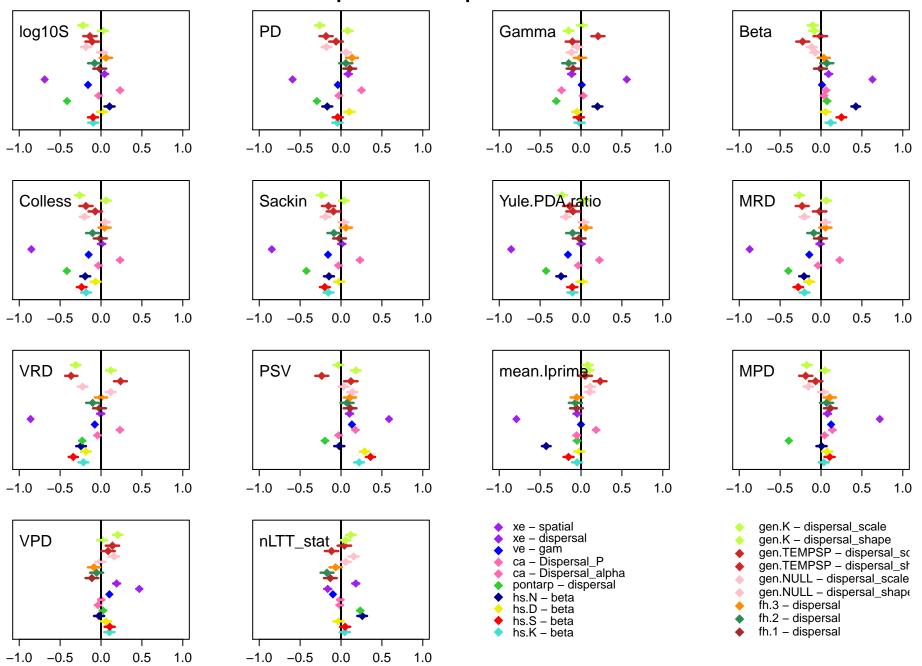
correlation coefficient

log10S

niche conservatism experiment log10S PD Gamma Beta 0.0 -1.0 -0.5 0.0 -1.0 -0.5 -1.0 -0.5 -0.5 0.5 1.0 0.5 0.0 0.5 0.0 0.5 -1.01.0 1.0 1.0 Colless Sackin Yule.PDA.ratio MRD -0.5 -1.0 -0.5 -0.5 -1.0 -0.5 0.0 0.5 1.0 0.0 0.5 1.0 0.0 0.5 1.0 0.0 0.5 -1.01.0 **VRD PSV** MPD mean.lprime -0.5 -0.50.0 0.5 1.0 -1.0 0.0 0.5 1.0 -1.0 -0.50.0 0.5 1.0 -1.0 -0.50.0 0.5 -1.01.0 ca - Niche_evolution **VPD** nLTT_stat pontarp - mutation_step hs.N - sigma_E hs.D - sigma_E hs.S - sigma_E hs.K - sigma_E -0.5 0.0 0.5 1.0 -0.5 0.0 0.5 -1.01.0 -1.0

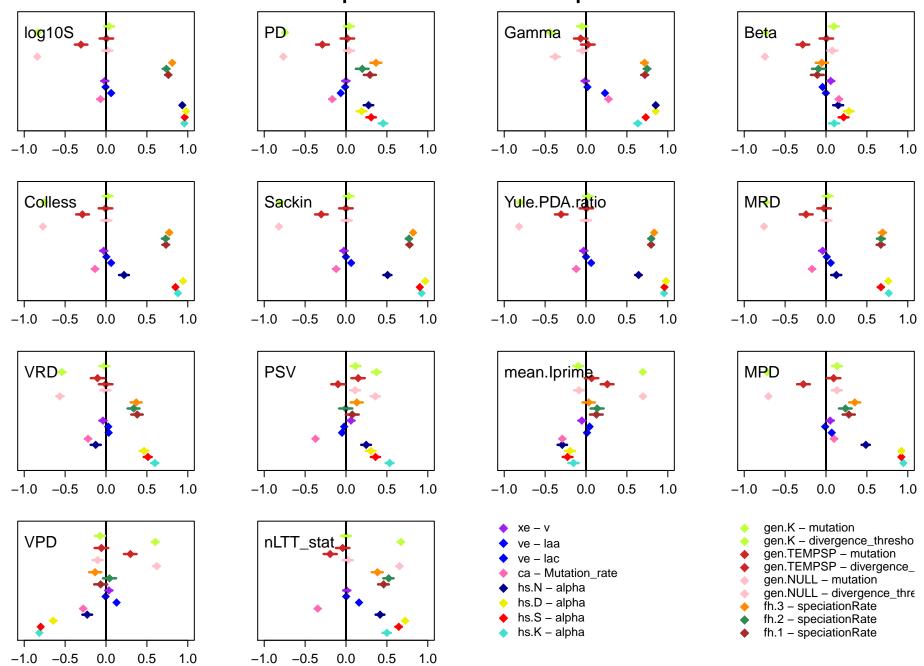
correlation coefficient

dispersal experiment



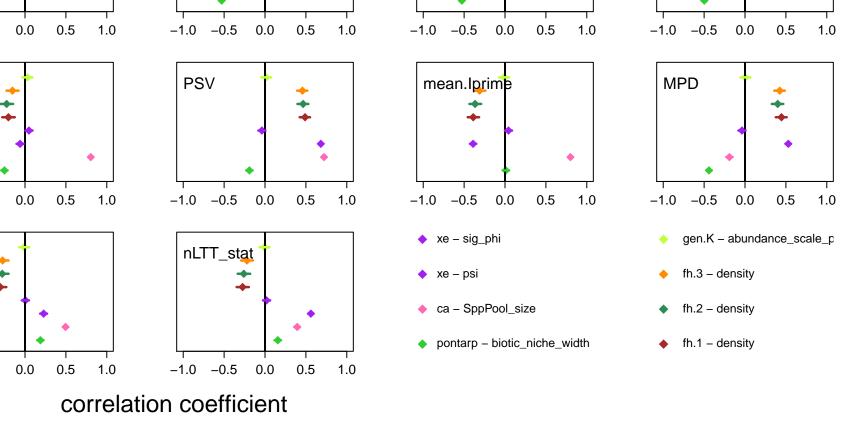
correlation coefficient

mutation/speciation rate experiment



correlation coefficient

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



log10S

-0.5

-0.5

-0.5

-0.5

-1.0

-1.0

VPD

VRD

Colless

0.0

0.5

1.0