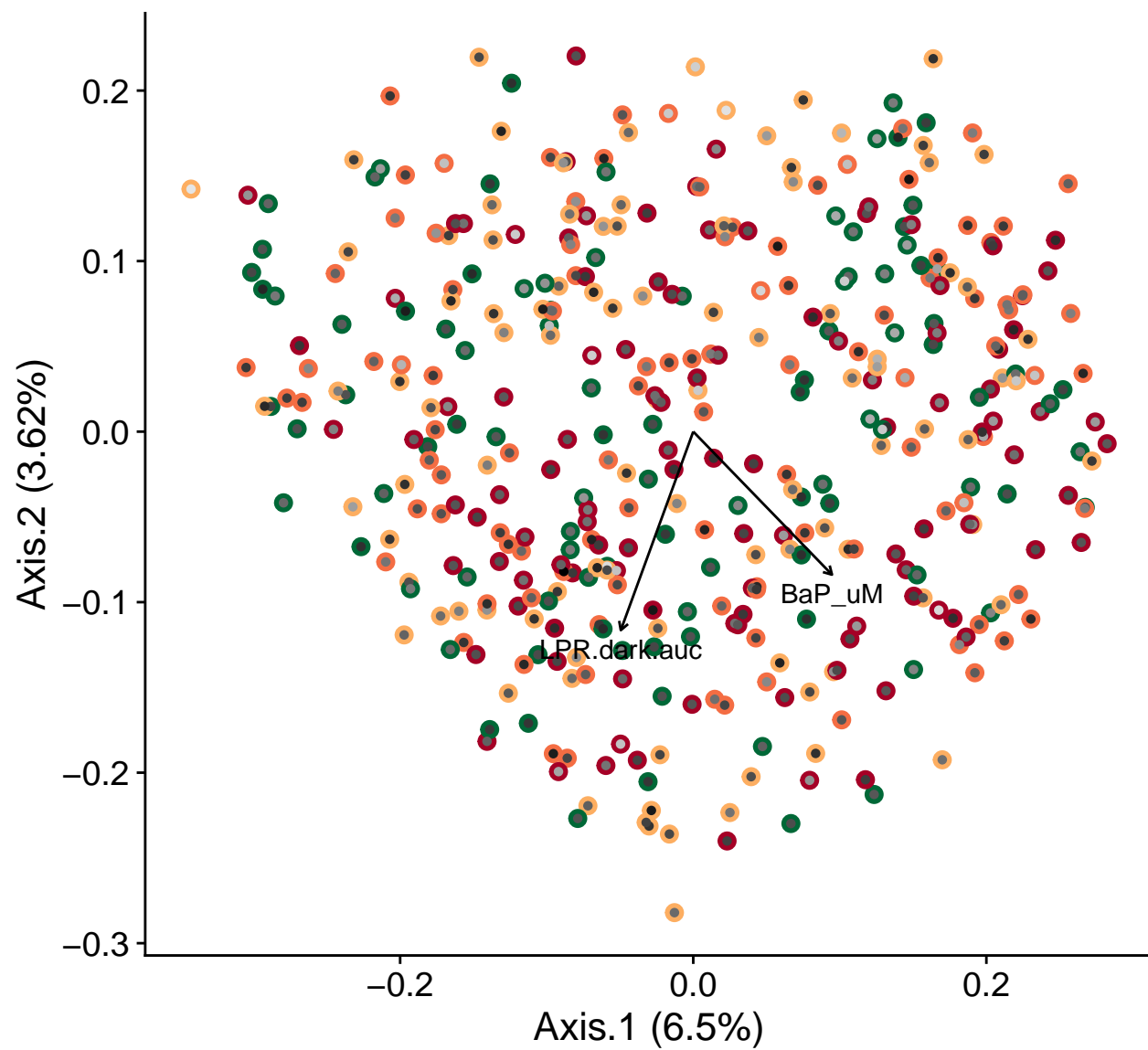


PCoA

maximize total variance

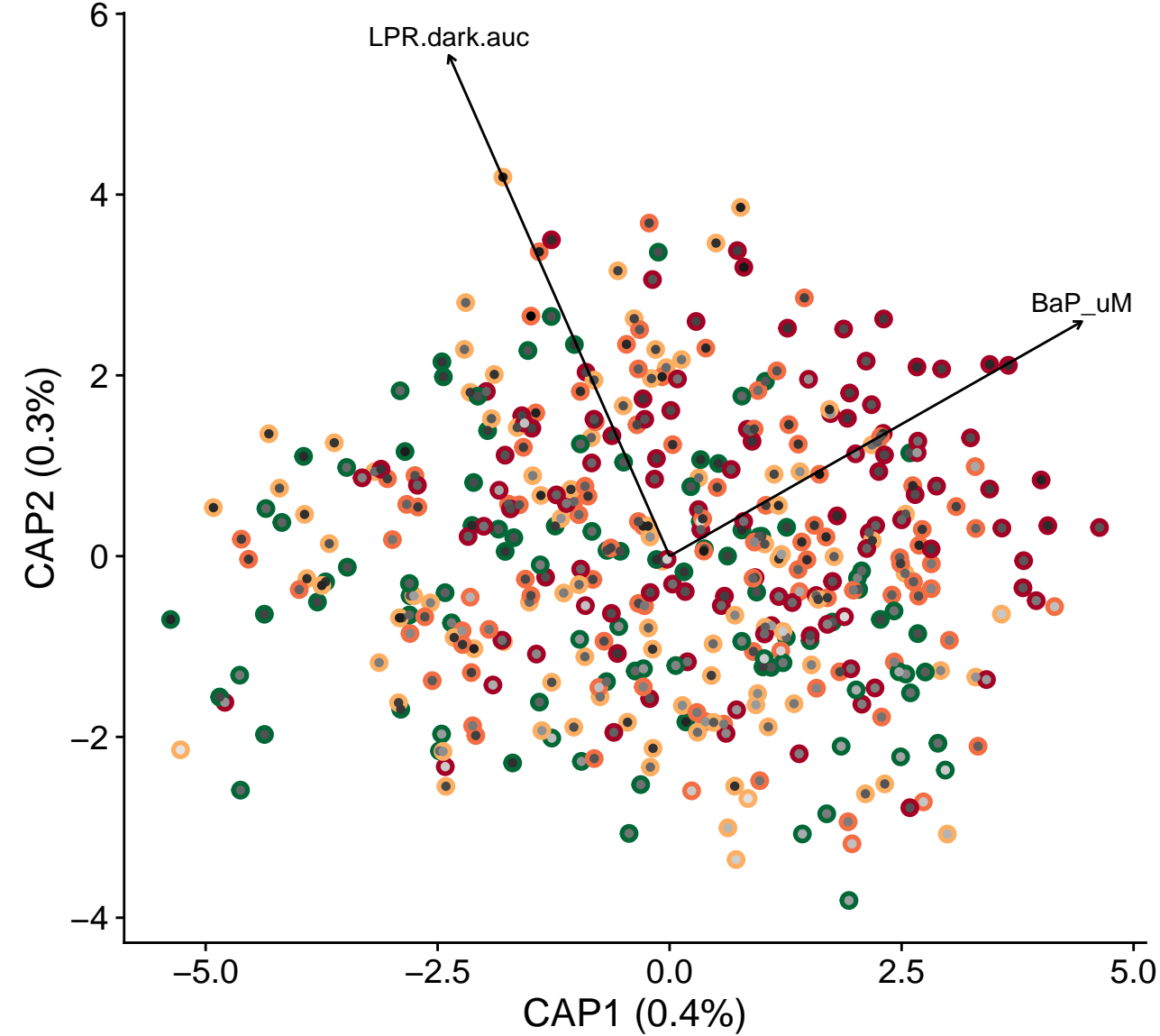


BaP (μM) 0 1 5 10

$\sqrt{\text{LPR.dark.auc}}$ 0 10 20 30

dbRDA

maximize variance along constraints

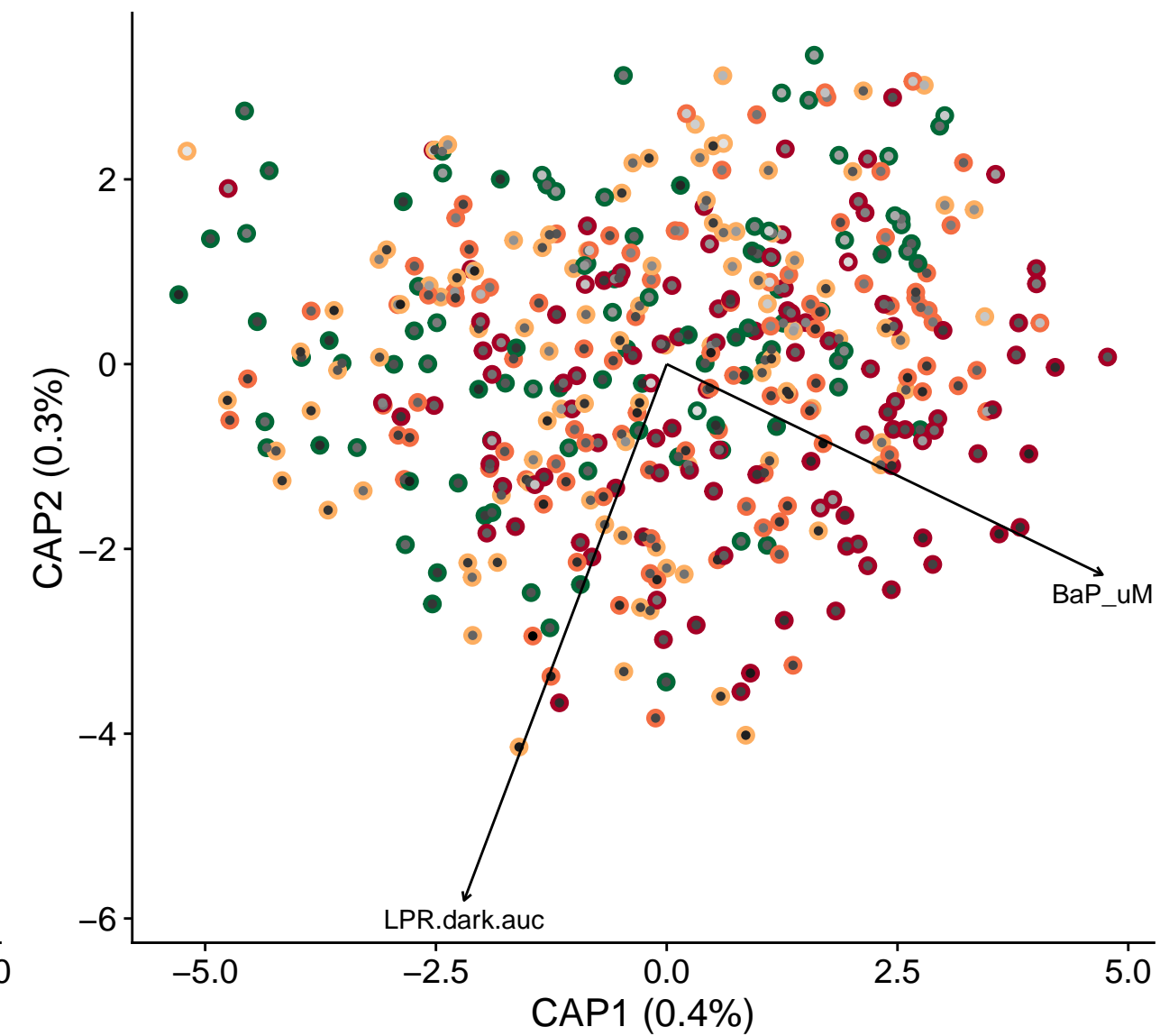


BaP (μM) 0 1 5 10

$\sqrt{\text{LPR.dark.auc}}$ 0 10 20 30

dbRDA

maximize variance along constraints & conditioned on random factor



BaP (μM) 0 1 5 10

$\sqrt{\text{LPR.dark.auc}}$ 0 10 20 30