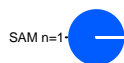
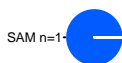


**PC1 gain in Amorphea**



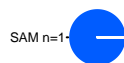
N=1 at  $p \geq 0.50$

**PC1 gain in BilCniTri**



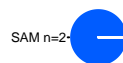
N=1 at  $p \geq 0.50$

**PC1 gain in Tardigrada**



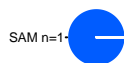
N=1 at  $p \geq 0.50$

**PC1 gain in Porifera**



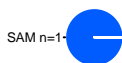
N=2 at  $p \geq 0.50$

**PC1 gain in Opisthokonta**



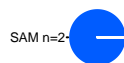
N=1 at  $p \geq 0.50$

**PC1 gain in Bilateria**



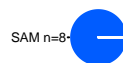
N=1 at  $p \geq 0.50$

**PC1 gain in Brachiozoa**



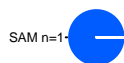
N=2 at  $p \geq 0.50$

**PC1 gain in Demospongiae**



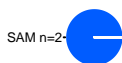
N=8 at  $p \geq 0.50$

**PC1 gain in Holozoa**



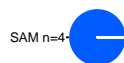
N=1 at  $p \geq 0.50$

**PC1 gain in Ambulacraria**



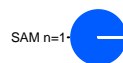
N=2 at  $p \geq 0.50$

**PC1 gain in Actinaria**



N=4 at  $p \geq 0.50$

**PC1 gain in HomoCalc**



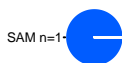
N=1 at  $p \geq 0.50$

**PC1 gain in Metazoa**



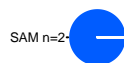
N=14 at  $p \geq 0.50$

**PC1 gain in Hemichordata**



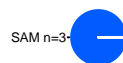
N=1 at  $p \geq 0.50$

**PC1 gain in Hydrozoa**



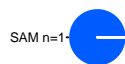
N=2 at  $p \geq 0.50$

**PC1 gain in Calcarea**



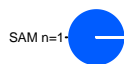
N=3 at  $p \geq 0.50$

**PC1 gain in Choanoflagellata**



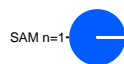
N=1 at  $p \geq 0.50$

**PC1 gain in Ancyromonadida**



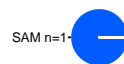
N=1 at  $p \geq 0.50$

**PC1 gain in Bryophyta**



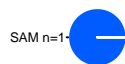
N=1 at  $p \geq 0.50$

**PC1 gain in Diatomista**



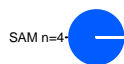
N=1 at  $p \geq 0.50$

**PC1 gain in Ichthyophonida**



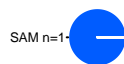
N=1 at  $p \geq 0.50$

**PC1 gain in Malawimonadidae**



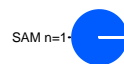
N=4 at  $p \geq 0.50$

**PC1 gain in Chlorophyceae**



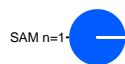
N=1 at  $p \geq 0.50$

**PC1 gain in Phaeophyceae**



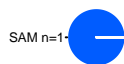
N=1 at  $p \geq 0.50$

**PC1 gain in Blastocladiomycota**



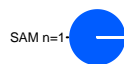
N=1 at  $p \geq 0.50$

**PC1 gain in Streptophyta**



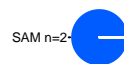
N=1 at  $p \geq 0.50$

**PC1 gain in Rhodophyta**



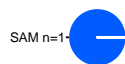
N=1 at  $p \geq 0.50$

**PC1 gain in Oomycota**



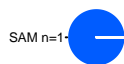
N=2 at  $p \geq 0.50$

**PC1 gain in Amoebozoa**



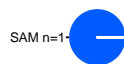
N=1 at  $p \geq 0.50$

**PC1 gain in Embryophyta**



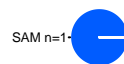
N=1 at  $p \geq 0.50$

**PC1 gain in Cryptista**



N=1 at  $p \geq 0.50$

**PC1 gain in Thraustochytrida**



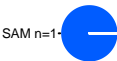
N=1 at  $p \geq 0.50$

PC1 gain in Alveolata



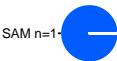
N=1 at  $p \geq 0.50$

PC1 gain in Dinoflagellata



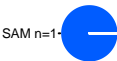
N=1 at  $p \geq 0.50$

PC1 gain in Ciliata



N=1 at  $p \geq 0.50$

PC1 gain in Haptista



N=1 at  $p \geq 0.50$