Distance based redundancy analysis that examines 5K rarefied data (Day 0) included.

Model: dbrda(formula = drdat ~ Origin+ Decomp\_Day+ HFABac\_meta\_pruned5k$HFA\_2)

Df SumOfSqs F Pr(>F)

Origin 3 3.054 3.1740 9.999e-05 \*\*\*

Decomp\_Day 3 3.461 3.5970 9.999e-05 \*\*\*

HFABac\_meta\_pruned5k$HFA\_2 1 0.369 1.1499 0.2248

Residual 329 105.521

Model: dbrda(formula = drdat ~ Decomp\_Day+ Location Code+ Condition(Tree\_Number))

Df SumOfSqs F Pr(>F)

Decomp\_Day 4 4.366 3.4024 9.999e-05 \*\*\*

Location Code 4 2.296 1.7896 9.999e-05 \*\*\*

Residual 310 99.437

Model: dbrda(formula = drdat ~ Decomp\_Day+ Deployment\_site + Condition(Tree\_Number))

Df SumOfSqs F Pr(>F)

Decomp\_Day 4 3.992 3.2454 9.999e-05 \*\*\*

Deployment\_site 3 6.087 6.5974 9.999e-05 \*\*\*

Residual 311 95.646

Model: dbrda(formula = drdat ~ Decomp\_Day+ Deployment\_site + LocationCodewDay0+ Condition(Tree\_Number))

Df SumOfSqs F Pr(>F)

Decomp\_Day 3 3.397. 3.7046 9.999e-05 \*\*\*

Deployment\_site 3 5.430 5.9217 9.999e-05 \*\*\*

LocationCodewDay0 4 1.802 1.4739 0.0037 \*\*

Residual 307 93.844

Model: dbrda(formula = drdat ~ Decomp\_Day+ Deployment\_site + LocationCodewDay0+ Decomp\_Day\* Deployment\_site + Decomp\_Day\* LocationCodewDay0+ Deployment\_site \* LocationCodewDay0)

Df SumOfSqs F Pr(>F)

Decomp\_Day:Deployment\_site 9 4.205 1.5897 9.999e-05 \*\*\*

Decomp\_Day:LocationCodewDay0 12 4.404 1.2488 0.005399 \*\*

Deployment\_site:LocationCodewDay0. 4 2.641 2.2461 9.999e-05 \*\*\*

Residual 298 87.587

Model: dbrda(formula = drdat ~ Decomp\_Day+ Deployment\_site + LocationCodewDay0+ Decomp\_Day\* Deployment\_site + Decomp\_Day\* LocationCodewDay0+ Deployment\_site \* LocationCodewDay0+ Condition(Tree\_Number))

Df SumOfSqs F Pr(>F)

Decomp\_Day:Deployment\_site 9 4.281 1.6302 9.999e-05 \*\*\*

Decomp\_Day:LocationCodewDay0 12 4.377 1.2500 0.0034 \*\*

Deployment\_site:LocationCodewDay0 4 2.406 2.0614 9.999e-05 \*\*\*

Residual 279 81.408

Model: dbrda(formula = drdat ~ Decomp\_Day+ Deployment\_river+ LocationCodewDay0+ Condition(Tree\_Number))

Df SumOfSqs F Pr(>F)

Decomp\_Day 3 3.508 3.7072 9.999e-05 \*\*\*

Deployment\_river 1 1.805 5.7207 9.999e-05 \*\*\*

LocationCodewDay0 4 2.514 1.9928 9.999e-05 \*\*\*

Residual 309 97.470