

Supplementary Table 2: Analysis of Similarity (ANOSIM) between non-metric multidimensional scaling of tools

Tool	ANOSIM statistic R	P-value
DeepVirFinder	0.1264	0.1317
Kraken2	-0.07775	0.7357
MetaPhinder	-0.0442	0.6041
PPR Meta	-0.1073	0.8381
Seeker	0.3872	0.0028
VIBRANT	-0.1028	0.8298
VirFinder	0.002688	0.4552
VirSorter	-0.08822	0.7833
VirSorter2	-0.108	0.8375
viralVerify	0.02106	0.3985

ANOSIM of each tool against all other tools and the default. Significance values reported are not corrected for multiple comparisons. Values deemed to be significant ($P < 0.05$) after adjusting the alpha value with the Benjamini–Hochberg method are highlighted in bold.