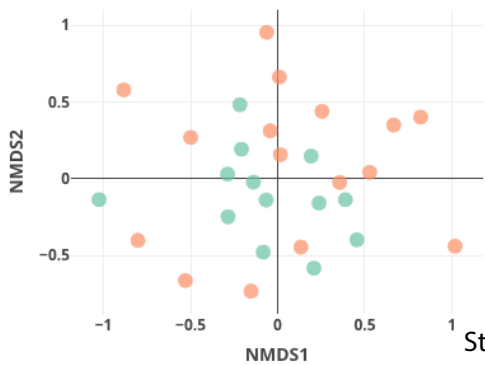
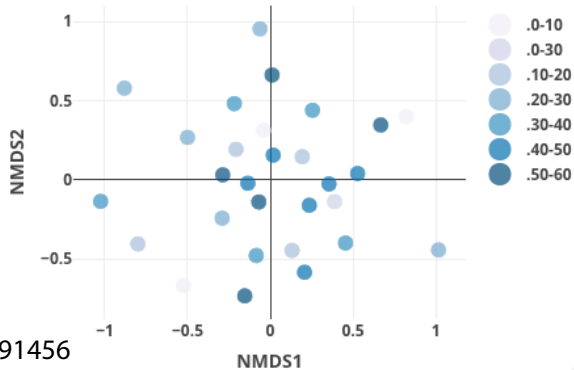


a Site (vMAG proteomic abundance)
anosim: ($p=0.678$, $R=-0.0252$)

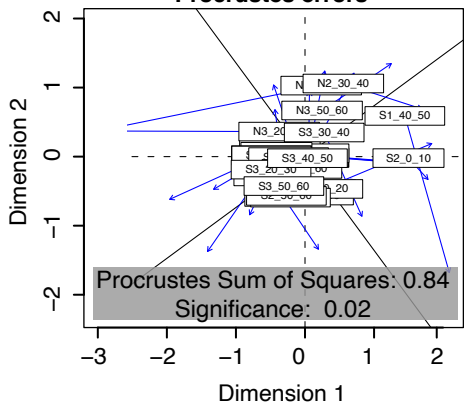


Stress = 0.2491456
Linear Fit, $R^2 = 0.973$

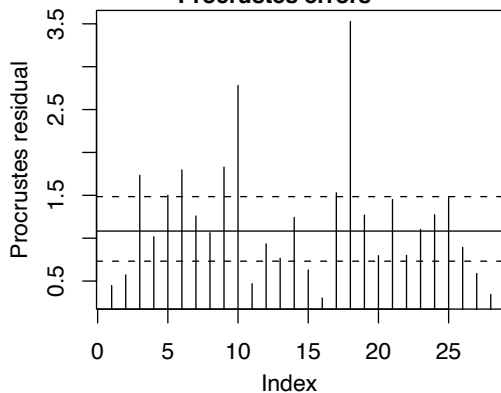
b Depth (vMAG proteomic abundance)
anosim: ($p=0.794$, $R=-0.06203$)



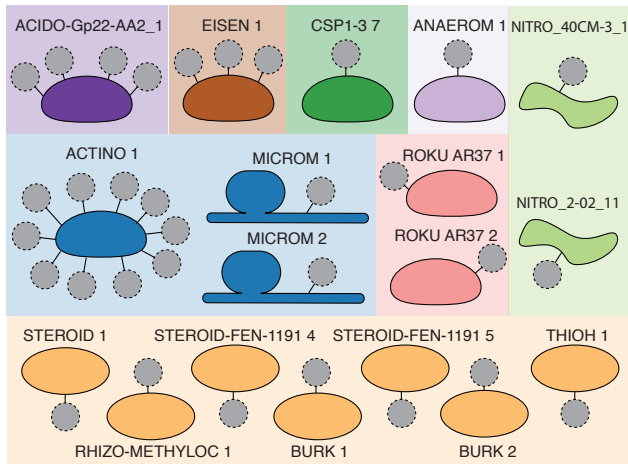
c Procrustes errors



Procrustes errors

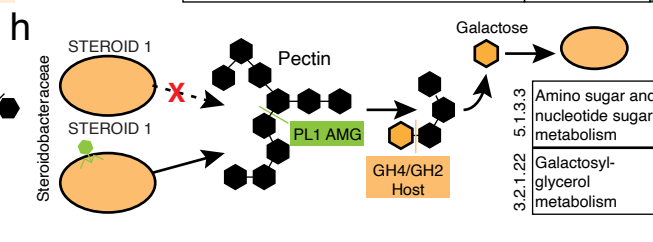
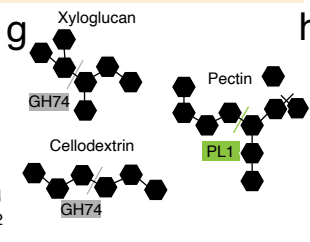
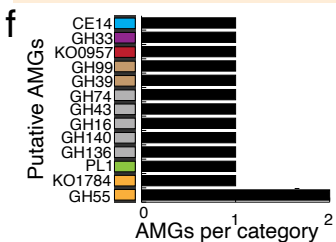


d



e List of vMAGs that putatively infect host

List of vMAGs that putatively infect host	MAG ID
vMAG.23, vMAG.77, vMAG.79, vMAG.91	ACIDO-Gp22-AA2_1
vMAG.6, vMAG.10, vMAG.13, vMAG.16, vMAG.29, vMAG.33, vMAG.74, vMAG.80, vMAG.83, vMAG.94	ACTINO 1
vMAG.7	MICROM 1
vMAG.25	MICROM 2
vMAG.50	ROKU AR37 1
vMAG.62	ROKU AR37 2
vMAG.48	ANAEROM 1
vMAG.61	STERIOD 1
vMAG.8	RHIZO-METHYLOC 1
vMAG.63	STERIOD-FEN-1191 4
vMAG.49	STERIOD-FEN-1191 5
vMAG.106	BURK 1
vMAG.56	BURK 2
vMAG.69	THIOH 1
vMAG.47, vMAG.92, vMAG.105	EISEN 1
vMAG.95	NITRO_40CM-3_1
vMAG.112	NITRO_2-02_11
vMAG.28	CSP_1_3_7



Glucose Pectin Multiple Uses Hemicellulose Sulfur Amidase Glyco-protein