[SVC] Hypergeometric test: Collapsing analysis vs mantis-ml predictions
v-AURORA-CUMC-all_dom_ultrarare_OO vs shuffle p-value:7.120795462087182e-256

>> Focusing on significant area only:

v-AURORA-CUMC-all_dom_ultrarare_OO -- area: 220.44
i-all_AURORA_dom_rare_syn -- area: 21.26
i-all_AURORA_dom_rare_missense -- area: 105.16
v-AURORA-CUMC-all_dom_rare_syn -- area: 216.41
shuffle -- area: 0.0
> primary / synonymous ratio: 1.02
> primary / shuffle ratio: NA

>> Entire area:

v-AURORA-CUMC-all_dom_ultrarare_OO -- area: 874.01
i-all_AURORA_dom_rare_syn -- area: 477.99
i-all_AURORA_dom_rare_missense -- area: 647.24
v-AURORA-CUMC-all_dom_rare_syn -- area: 824.56
shuffle -- area: 229.76
> primary / synonymous ratio: 1.06
> primary / shuffle ratio: 3.8

Legend:
- - - p-val: 0.05
—— v-AURORA-CUMC-all_dom_ultrarare_OO
—— i-all_AURORA_dom_rare_syn
—— i-all_AURORA_dom_rare_missense
—— v-AURORA-CUMC-all_dom_rare_syn
—— shuffle

X-axis: Top 5.0% mantis-ml predicted genes
Y-axis: Phred score from hypergeometric test (significance increasing in positive direction)