[Stacking] Hypergeometric test: Collapsing analysis vs mantis-ml predictions
v-AURORA-CUMC-all_dom_ultrarare_OO vs shuffle p-value:3.247512230040541e-301

>> Focusing on significant area only:

v-AURORA-CUMC-all_dom_ultrarare_OO -- area: 1303.69
i-all_AURORA_dom_rare_syn -- area: 42.04
i-all_AURORA_dom_rare_missense -- area: 0.0
v-AURORA-CUMC-all_dom_rare_syn -- area: 112.29
shuffle -- area: 0.0
> primary / synonymous ratio: 11.61
> primary / shuffle ratio: NA

>> Entire area:

v-AURORA-CUMC-all_dom_ultrarare_OO -- area: 1946.01
i-all_AURORA_dom_rare_syn -- area: 370.09
i-all_AURORA_dom_rare_missense -- area: 72.57
v-AURORA-CUMC-all_dom_rare_syn -- area: 654.18
shuffle -- area: 76.54
> primary / synonymous ratio: 2.97
> primary / shuffle ratio: 25.42

Y-axis: Phred score from hypergeometric test (significance increasing in positive direction)

X-axis: Top 5.0% mantis-ml predicted genes

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