[RandomForestClassifier] Hypergeometric test: Collapsing analysis vs mantis-ml predictions
primary vs shuffle p-value:9.443273288328886e-162

>> Focusing on significant area only:

primary -- area: 19.82
synonymous -- area: 0.0
common -- area: 0.0
shuffle -- area: 0.0
> primary / synonymous ratio: NA
> primary / shuffle ratio: NA

>> Entire area:

primary -- area: 222.07
synonymous -- area: 157.53
common -- area: 89.28
shuffle -- area: 27.61
> primary / synonymous ratio: 1.41
> primary / shuffle ratio: 8.04

Legend:
- - - p-val: 0.05
—— primary
—— synonymous
—— common
—— shuffle

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

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