[XGBoost] Hypergeometric test: Collapsing analysis vs mantis-ml predictions
primary vs shuffle p-value:9.456853016447306e-10

>> Focusing on significant area only:

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

>> Entire area:

primary -- area: 89.47
synonymous -- area: 0.47
common -- area: 33.22
shuffle -- area: 0.1
> primary / synonymous ratio: 190.36
> primary / shuffle ratio: 894.7

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