[XGBoost] Hypergeometric test: Collapsing analysis vs mantis-ml predictions
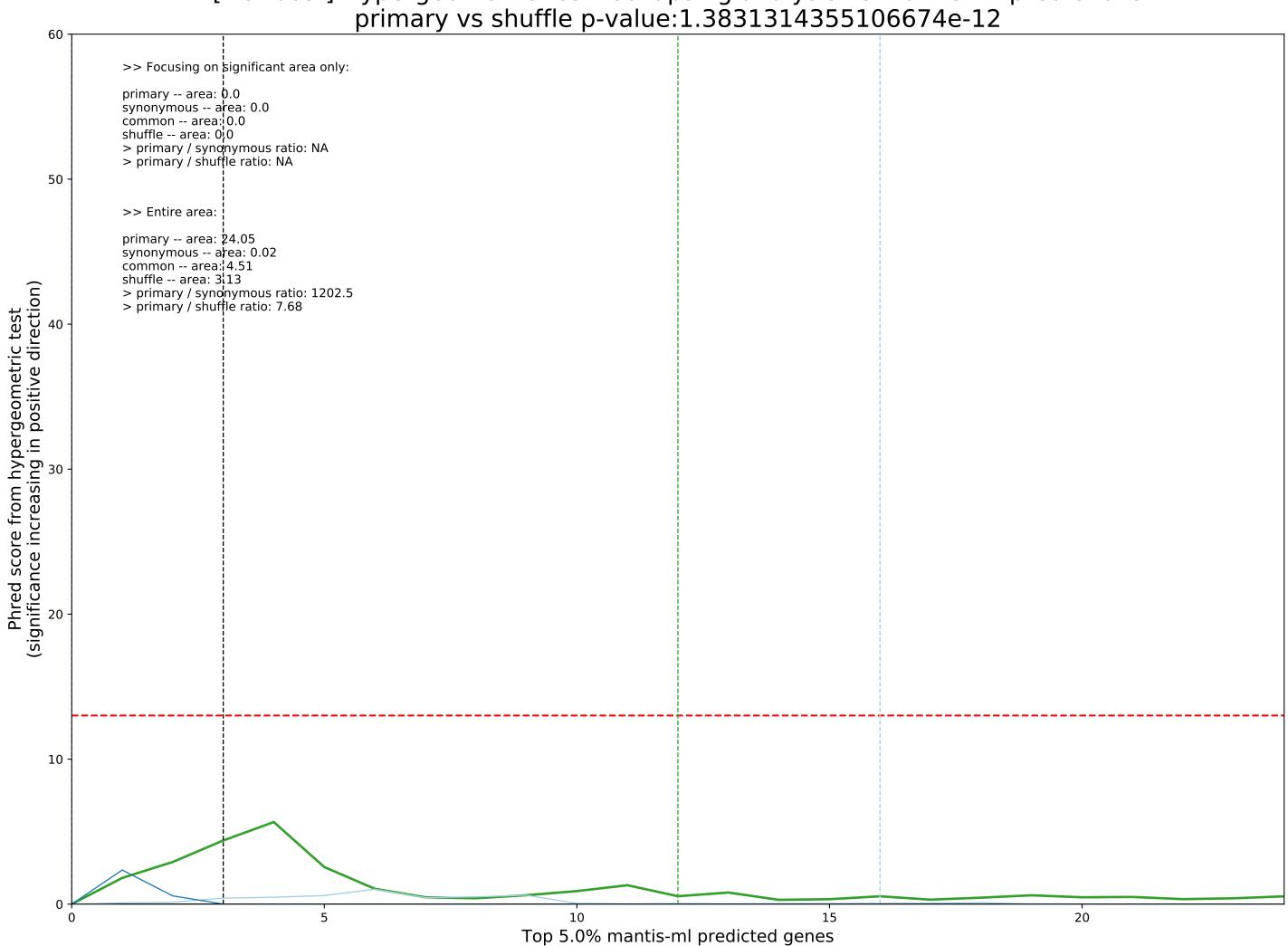**primary vs shuffle p-value:1.3831314355106674e-12**

>> 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: 24.05
synonymous -- area: 0.02
common -- area: 4.51
shuffle -- area: 3.13
> primary / synonymous ratio: 1202.5
> primary / shuffle ratio: 7.68

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