[Stacking] Hypergeometric test: Collapsing analysis vs mantis-ml predictions primary vs shuffle p-value:4.2260019214648066e-14 >> 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 50 >> Entire area: primary -- area: 161.56 synonymous -- area: 88.42 common -- area: 96.41 shuffle -- area: 48.35 Phred score from hypergeometric test (significance increasing in positive direction) $\stackrel{\bowtie}{\sim}$ > primary / synonymous ratio: 1.83 > primary / shuffle ratio: 3.34 10 -10 15 20 25 30 35 40 Top 5.0% mantis-ml predicted genes

