[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 50 >> Entire area: primary -- area: 89,47 synonymous -- area: 0.36 common -- area: 32.47 shuffle -- area: 0.1 Phred score from hypergeometric test (significance increasing in positive direction) $\overset{\bowtie}{\sim}$ > primary / synonymous ratio: 248.53 > primary / shuffle ratio: 894.7 10 15 25 30 10 Top 5.0% mantis-ml predicted genes

