[ExtraTreesClassifier] Hypergeometric test: Collapsing analysis vs mantis-ml predictions primary vs shuffle p-value:2.4544559096026577e-222 >> Focusing on significant area only: primary -- area: 98.06 synonymous -- area: 0.0 common -- area: 2.0 shuffle -- area: 0.0 > primary / synonymous ratio: NA > primary / shuffle ratio: NA 50 >> Entire area: primary -- area: 424.21 synonymous -- area: 88.47 common -- area: 263.67 shuffle -- area: 25.39 Phred score from hypergeometric test (significance increasing in positive direction) $\overset{\aleph}{\sim}$ > primary / synonymous ratio: 4.79 > primary / shuffle ratio: 16.71 10 -10 40 Top 5.0% mantis-ml predicted genes

