[RandomForestClassifier] Hypergeometric test: Collapsing analysis vs mantis-ml predictions
Dom_LoF vs shuffle p-value:8.778537647819246e-134

>> Focusing on significant area only:

Dom_LoF -- area: 248.73
Dom_coding -- area: 9.57
Dom_not_benign -- area: 41.76
Rec_coding -- area: 0.0
shuffle -- area: 0.0
> primary / synonymous ratio: 5.96
> primary / shuffle ratio: NA

>> Entire area:

Dom_LoF -- area: 840.45
Dom_coding -- area: 322.65
Dom_not_benign -- area: 507.43
Rec_coding -- area: 77.08
shuffle -- area: 57.94
> primary / synonymous ratio: 1.66
> primary / shuffle ratio: 14.51

Legend:
- p-val: 0.05
- Dom_LoF
- Dom_coding
- Dom_not_benign
- Rec_coding
- shuffle

X-axis: Top 5.0% mantis-ml predicted genes

Y-axis: Phred score from hypergeometric test (significance increasing in positive direction)