

Property	Average LoF-tolerant	Average Essential	Wilcoxon pvalue
PPI degree	6.05	15.96	8.63e-02
Signaling degree	NA	2.94	NA
Phosphorylation degree	42	50.64	6.84e-01
Metabolic degree	36.75	19.63	1.09e-02
Genetic degree	1	3.33	2.18e-1
Regulatory degree	1.84	10.02	2.80e-02
Multinet degree	11.09	28.95	3.53e-04
Number of networks	0.34	1.85	<2.2e-16
Number of interfaces	1.5	2.2	2.64e-01
dN/dS	0.86	0.26	1.49e-14

Property (Heterozygosity)	Average LoF-tolerant	Average Essential	Wilcoxon pvalue
CEU missense	0.23	0.18	2.09e-03
YRI missense	0.19	0.17	1.90e-02
CHBJPT missense	0.26	0.23	8.16e-02
CEU synonymous	0.23	0.20	2.52e-02
YRI synonymous	0.20	0.19	4.73e-01
CHBJPT synonymous	0.25	0.20	3.97e-03