Property	Number of genes	Genomic coverage*
dN/dS human-chimp	15,084	79.5%
dN/dS human-macaque	15,025	79.2%
dN/dS human-mouse	14,386	75.8%
Coding seqeunce GERP	17,164	90.5%
Promoter GERP	16,807	88.7%
Number of paralogs	11,066	58.3%
Identity of closest paralogs		
Number of exons		
Length of gene		
Length of spliced transcript	17,700	93.3%
Length of coding sequence		
Length of 3'UTR		
Number of domains	14,722	88.5%
Embryonic expression [†]	14,722 (2,421)	88.5% (12.8%)
Tissue specificity of expression	13,950	73.6%
PPI network properties ‡	11,077	58.4%
Genetic network properties ‡	14,664	77.3%
+/- yeast growth rate	3,352	17.7%

Table S2: Genomic coverage of gene properties

* Calculated relative to the number of EnsEMBL annotated protein-coding genes that can be uniquely mapped to HGNC symbol.

[†] Since this is a binary factor where every gene is classified as either over-expressed or not in embryo tissue, the coverage is 100%. The number and proportion of genes over-expressed in embryo is listed in parenthesis.

[‡] Including degree, cluster coefficient, betweenness, distance to known HI genes/cancer genes, proximity to known HI/cancer genes.