

S2 Table. Top 20 significantly enriched Reactome pathways for 712 host genes identified by gene-trap insertional mutagenesis.

| Pathway Source | GO Term | Term <i>P</i> value | Adjust <i>P</i> value (Bonferroni correction) |
|---------------------|---|------------------------|--|
| REACTOME_21.03.2014 | Translation | 2.10×10^{-10} | 4.80×10^{-8} |
| REACTOME_21.03.2014 | GTP hydrolysis and joining of the 60S ribosomal subunit | 2.09×10^{-10} | 4.82×10^{-8} |
| REACTOME_21.03.2014 | Gene Expression | 4.32×10^{-10} | 9.86×10^{-8} |
| REACTOME_21.03.2014 | Cap-dependent Translation Initiation | 5.71×10^{-10} | 1.30×10^{-7} |
| REACTOME_21.03.2014 | Eukaryotic Translation Initiation | 5.71×10^{-10} | 1.30×10^{-7} |
| REACTOME_21.03.2014 | L13a-mediated translational silencing of Ceruloplasmin expression | 9.46×10^{-10} | 2.13×10^{-7} |
| REACTOME_21.03.2014 | Formation of a pool of free 40S subunits | 9.43×10^{-10} | 2.13×10^{-7} |
| REACTOME_21.03.2014 | Peptide chain elongation | 1.04×10^{-9} | 2.34×10^{-7} |
| REACTOME_21.03.2014 | SRP-dependent cotranslational protein targeting to membrane | 1.36×10^{-9} | 3.04×10^{-7} |
| REACTOME_21.03.2014 | mRNA Splicing - Major Pathway | 1.63×10^{-9} | 3.61×10^{-7} |
| REACTOME_21.03.2014 | mRNA Splicing | 1.63×10^{-9} | 3.61×10^{-7} |
| REACTOME_21.03.2014 | Eukaryotic Translation Elongation | 3.30×10^{-9} | 7.29×10^{-7} |
| REACTOME_21.03.2014 | Eukaryotic Translation Termination | 4.79×10^{-9} | 1.05×10^{-6} |
| REACTOME_21.03.2014 | Viral mRNA Translation | 4.79×10^{-9} | 1.05×10^{-6} |

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|---------------------|--|-----------------------|-----------------------|
| REACTOME_21.03.2014 | Nonsense Mediated Decay Independent of the Exon Junction Complex | 1.00×10^{-8} | 2.19×10^{-6} |
| REACTOME_21.03.2014 | Influenza Viral RNA Transcription and Replication | 3.18×10^{-8} | 6.92×10^{-6} |
| REACTOME_21.03.2014 | Influenza Infection | 3.60×10^{-8} | 7.81×10^{-6} |
| REACTOME_21.03.2014 | Influenza Life Cycle | 8.11×10^{-8} | 1.75×10^{-5} |
| REACTOME_21.03.2014 | Nonsense Mediated Decay Enhanced by the Exon Junction Complex | 8.36×10^{-8} | 1.80×10^{-5} |
| REACTOME_21.03.2014 | Nonsense-Mediated Decay | 8.36×10^{-8} | 1.80×10^{-5} |
