**Supplementary File 5.** **Numbers of genes showing different magnitudes of TE changes between uORFs and CDS at the interspecific level, *H. sapiens* and *M. mulatta*.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tissues** | **# of expressed uORFs** | **βu ≠ 1****(%)** | **# of expressed CDSs** | **βc ≠ 1****(%)** | **uORF-CDS pairs with βu > 1** | **uORF-CDS pairs with βu < 1** |
| **Total** | **γ > 1** | **γ < 1** | **Total** | **γ > 1** | **γ < 1** |
| **Brain** | 7,380 | 80(1.08) | 15,086 | 507(3.36) | 51 | 0 | 27 | 29 | 14 | 0 |
| **Liver** | 4,429 | 28(0.63) | 13,246 | 149(1.24) | 10 | 0 | 4 | 18 | 10 | 0 |
| **Testis** | 7,384 | 53(0.72) | 15,134 | 272(1.80) | 33 | 0 | 9 | 20 | 5 | 0 |

Only uORFs and CDSs with an mRNA RPKM > 0.1 in both *H. sapiens and* *M. mulatta* were considered in each sample pair in the analysis. $β\_{u}$ = $TE\_{uORF, macaque}$/$TE\_{uORF, human}$ , is the fold change in TEuORF in *M. mulatta* relative to *H. sapiens* for each sample. $β\_{c}$ = $TE\_{CDS, macaque}$/$TE\_{CDS, human }$, is the fold change in TECDS in *M. mulatta* relative to *H. sapiens* for each sample. $γ$ =$β\_{c}/β\_{u}$. For each CDS-uORF pair, $β\_{u}$>1 and $γ$ < 1 or $β\_{u}$<1 and $γ$ > 1 means that the magnitude of TE change is lower for a CDS than a uORF. The statistical significance of $β\_{c}$, $β\_{u}$, and $γ$ were all determined at an FDR < 0.05.