Length-dependent translation initiation benefits the functional proteome of human cells

Jieming Guo, Xinlei Lian, Jiayong Zhong, Tong Wang, Gong Zhang

Supplementary Materials

Figure S1: Correlation of the mRNA length and CDS length in human hg19 RefSeq-RNA database (downloaded from UCSC Genome Browser on 1.21.2013). Spearman $R=0.68$, $P<10^{-16}$. 
Figure S2: mRNA half life is minimally correlated with mRNA length in *Saccharomyces cerevisiae*, *Arabidopsis thaliana*, mouse embryonic stem cells and human HeLa cells. Data were obtained from literatures (Munchel et al., 2011; Narsai et al., 2007; Sharova et al., 2009; Tani et al., 2012).
Figure S3: The mRNA abundance and protein abundance versus mRNA length in fission yeast. Data were obtained from literature (Marguerat et al., 2012).

References


