

Table S1: The list of 69 orthologous genes used in the analysis of evolutionary conservation of translational parameters. The list was prepared on the basis of Inparanoid database (Ostlund et al. 2009).

<i>S.cerevisiae</i>	<i>H.sapiens</i>	<i>E.coli</i>
YBL022C	NM_004793	b0439
YBL036C	NM_007198	b2951
YBL039C	NM_001905	b2780
YBR003W	NM_014317	b3187
YBR196C	NM_000175	b4025
YBR227C	NM_006660	b0438
YCR012W	NM_000291	b2926
YDL055C	NM_013334	b2039
YDL104C	NM_022353	b3064
YDL168W	NM_000671	b0356
YDL219W	NM_080820	b3887
YDL236W	NM_001042371	b0675
YDR047W	NM_000374	b3997
YDR050C	NM_001159287	b3919
YDR298C	NM_001697	b3735
YDR304C	NM_000942	b0525
YDR456W	NM_001042537	b4065
YEL029C	NM_003681	b1636
YER023W	NM_006907	b0386
YER163C	NM_001008708	b1218
YFL018C	NM_000108	b0116
YFR009W	NM_018358	b3352
YFR031C	NM_001042550	b0397
YFR047C	NM_014298	b0109
YGL018C	NM_172002	b2527
YGL236C	NM_001123226	b3741
YGR155W	NM_000071	b2414
YGR244C	NM_003850	b0728
YGR255C	NM_182476	b2907
YJL026W	NM_001034	b2235
YJL035C	NM_182503	b2559
YJL060W	NM_001008661	b0600
YJL068C	NM_001984	b2154
YJR019C	NM_005469	b0452
YKL104C	NM_005110	b3729
YKL184W	NM_002539	b2838
YKR080W	NM_006636	b0529
YLL041C	NM_003000	b0724
YLR027C	NM_002079	b0928
YLR069C	NM_024996	b3340
YLR244C	NM_015143	b0168
YLR289W	NM_021927	b2569
YLR351C	NM_020202	b0219
YLR354C	NM_006755	b2464
YLR359W	NM_000026	b1131
YLR382C	NM_015340	b0642
YML021C	NM_003362	b2580
YML080W	NM_022156	b3260
YMR120C	NM_004044	b4006
YMR300C	NM_002703	b2312
YNL218W	NM_020135	b0892
YNR041C	NM_015697	b4040
YOL096C	NM_017421	b2232
YOR095C	NM_144563	b2914
YOR136W	NM_005530	b1136
YOR142W	NM_003849	b0729
YOR157C	NM_002799	b3932
YOR243C	NM_019042	b2745
YOR274W	NM_017646	b4171
YOR386W	NM_004075	b0708
YPL040C	NM_018060	b0026
YPL059W	NM_016417	b1654
YPL091W	NM_000637	b3500
YPL097W	NM_001040436	b1637
YPL104W	NM_018122	b1866
YPL172C	NM_001303	b0428
YPL262W	NM_000143	b1611
YPL266W	NM_014473	b0051
YPR047W	NM_006567	b1714