TABLE 4 Stoichiometric content of transcription-translation proteins in *E. coli*

Protein	Mol wt (10^3)	α_i[a] (t = 40 min) (%)	Molecules (τ = 40 min)		Reference(s)
			Per OD_{460} (10^{12})	Per ribosome	
r-Protein	850	13.5	10.2	1.00	38, 44
L7/L12	12	0.81	40.8	4.00	134
EF-Tu	42	5.55	55.1	5.40	112
EF-G	84	1.66	8.2	0.80	112
EF-Ts	31	0.13	1.8	0.18	112
IF1	8	0.04	2.5	0.25	75
IF2	115	0.52	3.1	0.30	75
IF3	20	0.07	2.0	0.20	75
Leu S	100	0.12	0.5	0.05	112
Phe S-β	94	0.21	1.0	0.10	112
Lys S	58	0.11	0.8	0.08	112
Arg S	58	0.08	0.6	0.06	112
Gly S	77	0.17	0.9	0.09	112
Val S	106	0.14	0.6	0.06	112
Glu S-β	48	0.10	0.9	0.09	112
Ile S	107	0.24	1.0	0.10	112
Phe S-α	36	0.11	1.2	0.12	112
Gln S	61	0.11	0.8	0.08	112
Thr S	65	0.09	0.6	0.06	112
RNA polymerase β	150	0.52	1.4	0.14	112
RNA polymerase α	39	0.37	3.8	0.37	112
RNA polymerase, core	375	1.30	1.9	0.19	125

[a] α_i, synthesis rate of the protein as a percentage of total protein synthesis rate.