

A

Gene name	Reg coefficient	Hazard Ratio	Like test	Like test - pvalue
MRPL17	2.310766	10.08214	16.89001	0.001228
MRPS16	2.708782	15.01098	13.24604	0.004234
MRPS15	1.340518	3.821023	10.18299	0.014647
MRPL27	1.260259	3.526336	8.896445	0.019095
MRPS9	1.986407	7.289293	8.759591	0.019095
MRPL18	1.750993	5.76032	8.166346	0.019446
MRPL35	2.554495	12.8648	8.013895	0.019446
MRPL12	0.970765	2.639963	7.872779	0.019446
MRPS12	1.062015	2.892194	7.641021	0.019652
MRPL58	1.12367	3.076121	6.879689	0.025799
MRPS34	1.135695	3.113336	6.792403	0.025799
MRPS7	1.16922	3.219479	6.510251	0.027707
MRPL55	0.882749	2.417537	5.734214	0.037273
MRPL24	0.81763	2.265125	5.438468	0.037273
MRPL48	1.533477	4.634264	5.380914	0.037273
MRPS30	1.512466	4.537907	5.318551	0.037273
MRPL37	1.211836	3.359647	5.295688	0.037273
MRPS21	0.882611	2.417202	5.274312	0.037273
MRPS23	1.116869	3.055272	5.019171	0.040901
MRPL3	1.909337	6.748616	4.841666	0.043059
MRPL54	0.977107	2.656759	4.398719	0.052694
MRPL33	1.187661	3.279402	4.332286	0.052694
MRPS26	1.032373	2.807722	3.865535	0.066431
MRPL10	0.775259	2.171155	3.731865	0.068954
MRPL11	0.942414	2.56617	3.195733	0.09155
MRPL53	0.747651	2.112034	1.419659	0.278356
MRPL44	0.958727	2.608374	1.23849	0.305135
MRPL38	0.52409	1.688921	1.16245	0.311061
MRPL1	0.415171	1.51463	0.549826	0.490002
MRPS35	0.576116	1.779114	0.485237	0.502262
MRPL42	0.169699	1.184949	0.041192	0.839168

B

Gene name	Reg coefficient	Hazard Ratio	Like test	Like test - pvalue
MRPL53	0.48597	1.625751	7.64365	0.152261
MRPL3	0.541106	1.717905	5.647432	0.152261
MRPL54	-0.26779	0.765066	5.469733	0.152261
MRPS23	0.357904	1.430328	5.443026	0.152261
MRPL17	0.297957	1.347103	4.541616	0.205098
MRPL38	-0.32412	0.723162	2.592867	0.55462
MRPL11	0.175745	1.192133	1.714818	0.639887
MRPL10	0.224194	1.251314	1.658535	0.639887
MRPS15	0.155275	1.167979	1.538226	0.639887
MRPL12	0.114776	1.121622	1.43586	0.639887
MRPS16	0.200229	1.221683	1.273495	0.639887
MRPL37	0.154165	1.166683	1.235775	0.639887
MRPL33	0.143985	1.154867	1.223728	0.639887
MRPL48	0.184699	1.202856	1.124363	0.639887
MRPS7	0.151477	1.163552	0.963388	0.674425
MRPS9	0.163774	1.177948	0.865618	0.682332
MRPS30	0.162418	1.176352	0.646724	0.768228
MRPS21	0.081494	1.084907	0.523285	0.808487
MRPL55	-0.06273	0.939201	0.35763	0.868801
MRPL1	0.087459	1.091398	0.33881	0.868801
MRPL18	0.084459	1.088128	0.269589	0.89104
MRPS12	0.028727	1.029143	0.078829	0.990223
MRPS26	0.029759	1.030206	0.049786	0.990223
MRPL27	-0.01825	0.981914	0.027372	0.990223
MRPS35	-0.02859	0.971816	0.023367	0.990223
MRPL35	-0.0284	0.971999	0.019469	0.990223
MRPL42	0.035622	1.036264	0.018545	0.990223
MRPL44	0.013521	1.013613	0.004871	0.990223
MRPS34	-0.00418	0.995828	0.001324	0.990223
MRPL58	0.002665	1.002668	0.000329	0.990223
MRPL24	0.001269	1.00127	0.00015	0.990223

**Supplementary figure S4. Mitochondrial ribosomal proteins and clinical outcome in HCC.** Association of the expression of MRP genes and overall survival in the subset of sorafenib-treated HCC patients (A) and in the total HCC patient population (B) in the TCGA cohort by Cox proportional hazard regression analysis. MRP genes aligned by increasing p-value.