

**Table S1: Examples of SILAC results** - UPR proteins that are significantly different according to the SILAC-based proteomic analysis.

<b>UPR function</b>	<b>Gene name</b>	<b>Ratio (6537/6538)</b>	<b>Significant</b>
<b>Chaperone</b>	PDI 4	0.48043	8.18E-07
	BIP (GRP78)	0.57458	0.0001312
	calreticulin	0.61207	0.0006794
	Hsp40	0.61127	0.00523
	Hsp90	0.54653	0.0000359
	Hsp70	0.53123	0.0008272
	DnaJ	0.56167	0.005583
<b>Lipid biosynthesis</b>	Fatty acid desaturase 2	0.623	0.027964
	LACS 4	0.44778	0.0000139
	APOL 2	0.443	0.0000259
<b>ERAD</b>	UBE2J1 (E2)	0.38296	1.75E-07