

Supplementary Table 1 – SNO-proteins displaying SILAC ratio (L/H) > 0.65

Primary Protein Name	Accession number	Protein Description	L/H ratio
STIP1_HUMAN	P31948	Stress-induced-phosphoprotein 1	0.67±0.03
CDC37_HUMAN	Q16543	Hsp90 co-chaperone Cdc37	0.67±0.06
HS105_HUMAN	Q92598	Heat shock protein 105 kDa	0.68±0.18
TCPA_HUMAN	P17987	T-complex protein 1 subunit alpha	0.68±0.05
CPZIP_HUMAN	Q6JBY9	Capz-interacting protein	0.68±0.18
ACLY_HUMAN	P53396	ATP-citrate synthase	0.70±0.14
FLNA_HUMAN	P21333	Filamin-A	0.70±0.03
IMB1_HUMAN	Q14974	Importin subunit beta-1	0.70±0.08
TEBP_HUMAN	Q15185	Prostaglandin E synthase 3	0.71±0.03
1433Z_HUMAN	P63104	14-3-3 protein zeta/delta	0.71±0.03
NSUN2_HUMAN	Q08J23	tRNA (cytosine-5-)-methyltransferase NSUN2	0.72±0.20
PUR2_HUMAN	P22102	Trifunctional purine biosynthetic protein adenosine-3	0.73±0.09
ANXA6_HUMAN	P08133	Annexin A6	0.73±0.05
CHRD1_HUMAN	Q9UHD1	Cysteine and histidine-rich domain-containing protein 1	0.74±0.09
GSTP1_HUMAN	P09211	Glutathione S-transferase P	0.74±0.02
PYRG1_HUMAN	P17812	CTP synthase 1	0.75±0.01
HS90A_HUMAN	P07900	Heat shock protein HSP 90-alpha	0.75±0.02
ACPH_HUMAN	P13798	Acylamino-acid-releasing enzyme	0.75±0.16
UBA1_HUMAN	P22314	Ubiquitin-like modifier-activating enzyme 1	0.76±0.01
EF2_HUMAN	P13639	Elongation factor 2	0.76±0.09
AHSA1_HUMAN	O95433	Activator of 90 kDa heat shock protein ATPase homolog 1	0.77±0.15
SYLC_HUMAN	Q9P2J5	Leucyl-tRNA synthetase, cytoplasmic	0.77±0.10
FLNB_HUMAN	O75369	Filamin-B	0.78±0.01
ACTG_HUMAN	P63261	Actin, cytoplasmic 2	0.78±0.14
RBBP7_HUMAN	Q16576	Histone-binding protein RBBP7	0.78±0.02
CAPG_HUMAN	P40121	Macrophage-capping protein	0.79±0.02
CNDP2_HUMAN	Q96KP4	Cytosolic non-specific dipeptidase	0.80±0.29
ACTN1_HUMAN	P12814	Alpha-actinin-1	0.80±0.10
TCPQ_HUMAN	P50990	T-complex protein 1 subunit theta	0.80±0.13
TPM3_HUMAN	P06753	Tropomyosin alpha-3 chain	0.80±0.10
PUR4_HUMAN	O15067	Phosphoribosylformylglycinamide synthase	0.80±0.20
HS90B_HUMAN	P08238	Heat shock protein HSP 90-beta	0.81±0.08
SRP09_HUMAN	P49458	Signal recognition particle 9 kDa protein	0.83±0.40
PARK7_HUMAN	Q99497	Protein DJ-1	0.84±0.26

GUAA_HUMAN	P49915	GMP synthase [glutamine-hydrolyzing]	0.84±0.15
TCPE_HUMAN	P48643	T-complex protein 1 subunit epsilon	0.84±0.06
TCPZ_HUMAN	P40227	T-complex protein 1 subunit zeta	0.85±0.05
TCPD_HUMAN	P50991	T-complex protein 1 subunit delta	0.87±0.17
SAHH_HUMAN	P23526	Adenosylhomocysteinase	0.88±0.16
BACH_HUMAN	O00154	Cytosolic acyl coenzyme A thioester hydrolase	0.90±0.13
TLN1_HUMAN	Q9Y490	Talin-1	0.91±0.06
TCPG_HUMAN	P49368	T-complex protein 1 subunit gamma	0.91±0.06
LDHA_HUMAN	P00338	L-lactate dehydrogenase A chain	0.92±0.21
TPM4_HUMAN	P67936	Tropomyosin alpha-4 chain	0.92±0.21
CYBP_HUMAN	Q9HB71	Calcyclin-binding protein	0.92±0.20
COTL1_HUMAN	Q14019	Coactosin-like protein	0.93±0.30
PRDX1_HUMAN	Q06830	Peroxiredoxin-1	0.94±0.17
SYEP_HUMAN	P07814	Bifunctional aminoacyl-tRNA synthetase	0.94±0.31
PCBP1_HUMAN	Q15365	Poly(rC)-binding protein 1	0.95±0.31
SYTC_HUMAN	P26639	Threonyl-tRNA synthetase, cytoplasmic	0.95±0.08
LDHB_HUMAN	P07195	L-lactate dehydrogenase B chain	0.97±0.20
EIF3H_HUMAN	O15372	Eukaryotic translation initiation factor 3 subunit H	0.97±0.27
ALDOA_HUMAN	P04075	Fructose-bisphosphate aldolase A	0.97±0.13
HSP7C_HUMAN	P11142	Heat shock cognate 71 kDa protein	0.97±0.16
PGK1_HUMAN	P00558	Phosphoglycerate kinase 1	0.98±0.22
TPIS_HUMAN	P60174	Triosephosphate isomerase	1.00±0.23
PROF1_HUMAN	P07737	Profilin-1	1.02±0.19
PUR9_HUMAN	P31939	Bifunctional purine biosynthesis protein PURH	1.02±0.18
G3P_HUMAN	P04406	Glyceraldehyde-3-phosphate dehydrogenase	1.02±0.21
MIF_HUMAN	P14174	Macrophage migration inhibitory factor	1.03±0.10
PCNA_HUMAN	P12004	Proliferating cell nuclear antigen	1.06±0.07
MOES_HUMAN	P26038	Moesin	1.07±0.27
KU70_HUMAN	P12956	ATP-dependent DNA helicase 2 subunit 1	1.10±0.19
AATC_HUMAN	P17174	Aspartate aminotransferase, cytoplasmic	1.10±0.05
CAZA1_HUMAN	P52907	F-actin-capping protein subunit alpha-1	1.11±0.18
EVL_HUMAN	Q9UI08	Ena/VASP-like protein	1.11±0.06
TERA_HUMAN	P55072	Transitional endoplasmic reticulum ATPase	1.11±0.15
WDR1_HUMAN	O75083	WD repeat-containing protein 1	1.14±0.13
PSMD2_HUMAN	Q13200	26S proteasome non-ATPase regulatory subunit 2	1.14±0.22
KU86_HUMAN	P13010	ATP-dependent DNA helicase 2 subunit 2	1.15±0.08
RAN_HUMAN	P62826	GTP-binding nuclear protein Ran	1.15±0.42
ADA_HUMAN	P00813	Adenosine deaminase	1.15±0.31

PGAM1_HUMAN	P18669	Phosphoglycerate mutase 1	1.15±0.05
C1TC_HUMAN	P11586	C-1-tetrahydrofolate synthase, cytoplasmic	1.16±0.12
EF1A3_HUMAN	Q5VTE0	Elongation factor 1-alpha 1	1.16±0.03
TIF1B_HUMAN	Q13263	Transcription intermediary factor 1-beta	1.16±0.09
CAP1_HUMAN	Q01518	Adenylyl cyclase-associated protein 1	1.17±0.23
BOLA2_HUMAN	Q9H3K6	BolA-like protein 2 - Homo sapiens	1.20±0.22
MCM5_HUMAN	P33992	Heterogeneous nuclear ribonucleoprotein D0	1.20±0.25
TKT_HUMAN	P29401	Transketolase	1.21±0.34
KPYM_HUMAN	P14618	Pyruvate kinase isozymes M1/M2	1.21±0.08
TCPH_HUMAN	Q99832	T-complex protein 1 subunit eta	1.22±0.19
SEPT7_HUMAN	Q16181	Septin-7	1.23±0.50
GDIR2_HUMAN	P52566	Rho GDP-dissociation inhibitor 2	1.24±0.31
COR1A_HUMAN	P31146	Coronin-1A	1.25±0.01
HNRPU_HUMAN	Q00839	Heterogeneous nuclear ribonucleoprotein U	1.27±0.01
LASP1_HUMAN	Q14847	LIM and SH3 domain protein 1	1.28±0.30
CDC42_HUMAN	P60953	Cell division control protein 42 homolog	1.30±0.10
SERC_HUMAN	Q9Y617	Phosphoserine aminotransferase	1.35±0.02
TBB2C_HUMAN	P68371	Tubulin beta-2C chain	1.35±0.18
TBB5_HUMAN	P07437	Tubulin beta chain	1.38±0.22
ESTD_HUMAN	P10768	S-formylglutathione hydrolase	1.38±0.14
RL24_HUMAN	P83731	60S ribosomal protein L24	1.40±0.32
TBA1B_HUMAN	P68363	Tubulin alpha-1B chain	1.44±0.22
VAT1_HUMAN	Q9953	Synaptic vesicle membrane protein VAT-1 homolog	1.47±0.38
CNBP_HUMAN	P62633	Cellular nucleic acid-binding protein	1.57±0.51
RAC2_HUMAN	P15153	Ras-related C3 botulinum toxin substrate 2	1.68±0.04
SYNC_HUMAN	O43776	Asparaginyl-tRNA synthetase, cytoplasmic	1.75±0.77
K6PP_HUMAN	Q01813	6-phosphofructokinase type C	5.2±1.2
