Supporting Information

A one-step selective exo-enzymatic labeling (SEEL) strategy for the biotinylation and identification of glycoproteins of living cells

Tiantian Sun[a,b], Seok-Ho Yu[a], Peng Zhao[a], Lu Meng[a], Kelley W. Moremen[a,c], Lance Wells[a,c], Richard Steet[a,c], and Geert-Jan Boons[a,b,d]

[a]Complex Carbohydrate Research Center; [b]Department of Chemistry; [c]Department of Biochemistry and Molecular Biology, University of Georgia, 315 Riverbend Road, Athens, GA 30602, USA; and [d]Department of Chemical Biology and Drug Discovery, Utrecht Institute for Pharmaceutical Sciences, and Bijvoet Center for Biomolecular Research, Utrecht University, Universiteitsweg 99, 3584 CG Utrecht, The Netherlands

Contents page

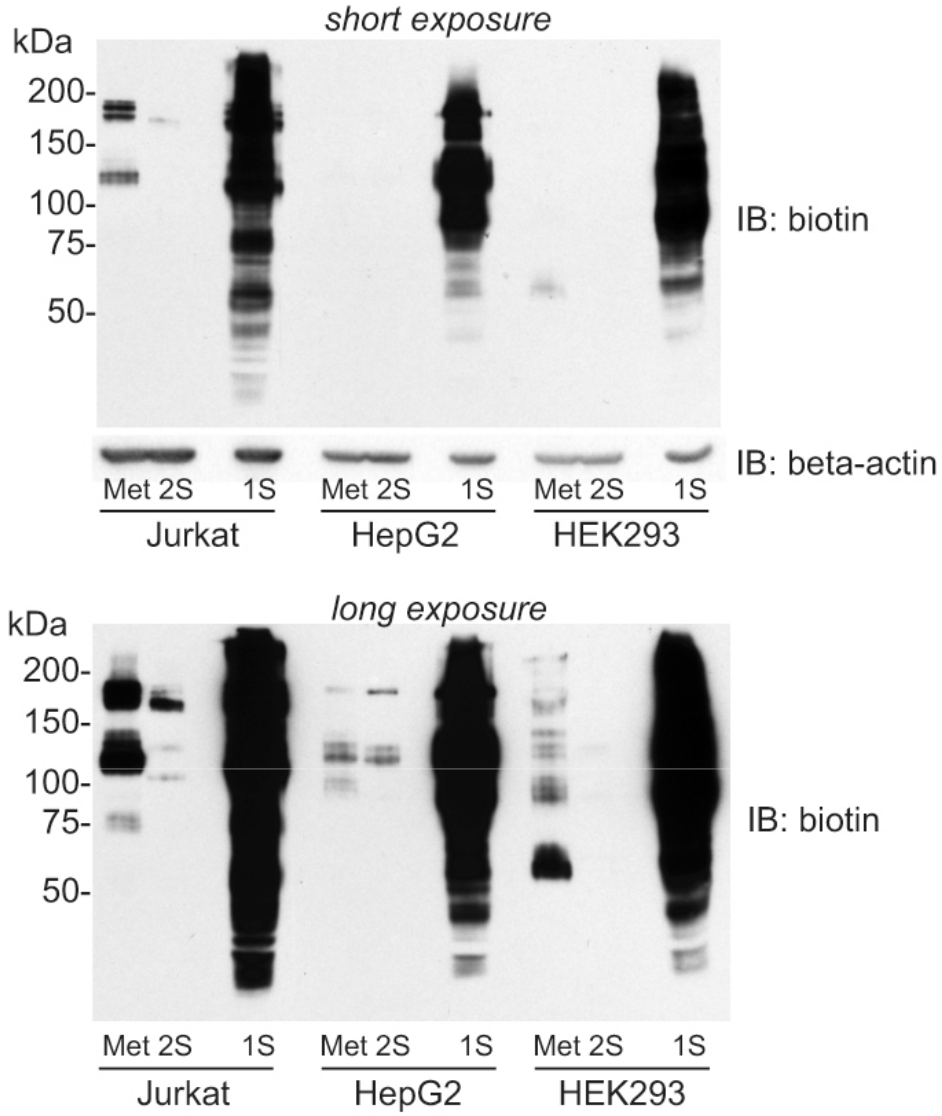


Figure S1. Comparison of metabolic labeling (Met), two-step SEEL (2S) and one-step SEEL (1S) in Jurkat, HepG2, and HEK293T cells**.** Cells were metabolically labeled with 60 μM of Ac_4ManNAz for 24 h prior to reaction with S-DIBO (as described for the HeLa cells in the Methods section). The two-step and one-step SEEL reactions with ST6Gal1 were performed as described in the Experimental section of the manuscript. Representative Western blots – short (top panel; 20 sec) and long (bottom panel; 2 min) - exposures are shown. Note that metabolic labeling detects a number of major glycoproteins in Jurkat cells, consistent with previous reports showing a high level of ManNAz incorporation in these cells. In all three cases, the one-step SEEL procedure results in the most efficient labeling. This is in line with the findings in HeLa cells and reflects the remarkable improvement in the labeling of major cell surface glycoproteins when CMP-sialic acid directly conjugated to biotin is used as a substrate in the one-step method.

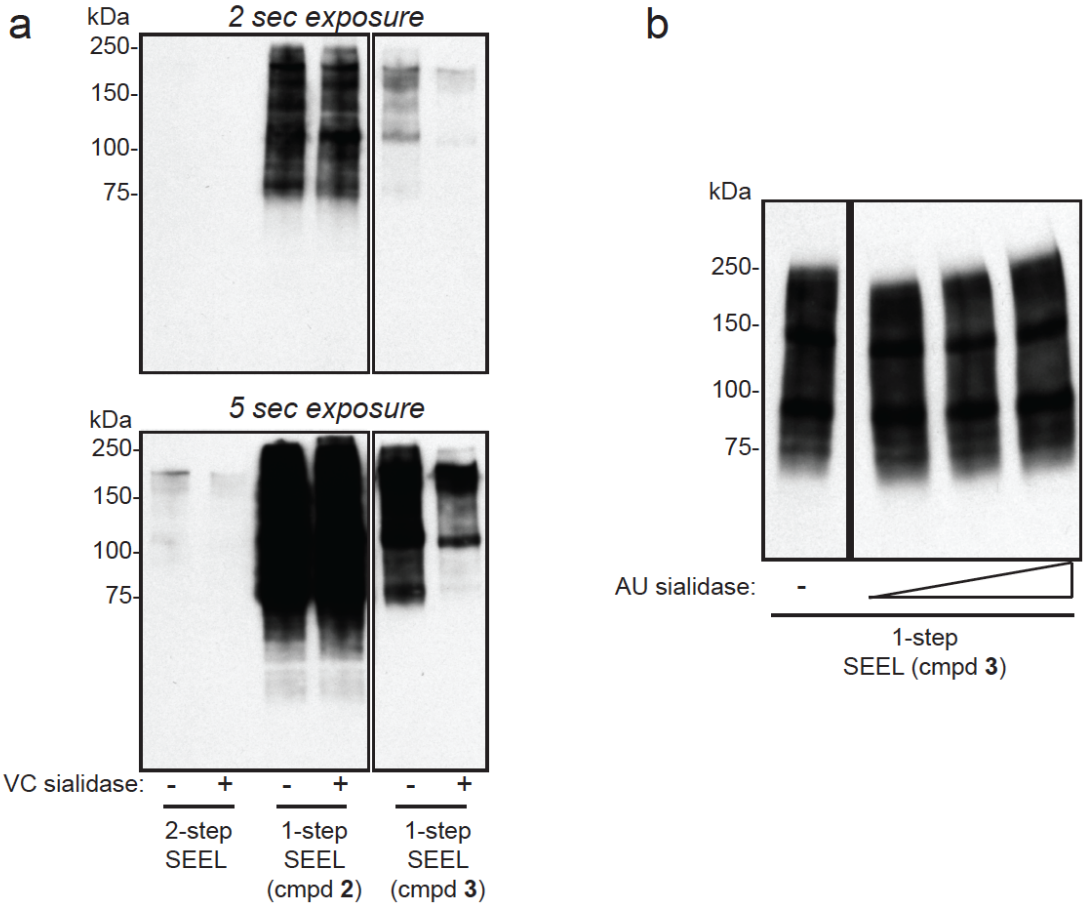


Figure S2. Sialidase-specific removal of biotinylated sialic acids from the cell surface. (a) Human fibroblasts were labeled using ST6Gal1 in either the two-step SEEL method (with CMP-Neu5Ac-9N_3 and S-DIBO) or the one-step SEEL method (with **2** or **3**) without prior sialic acid removal. Following labeling, cells were incubated in the presence or absence of 50 mU *Vibrio cholerae* (VC) sialidase for 1 h. Effects on labeled glycoproteins were detected by Western blotting with an HRP-conjugated anti-biotin antibody. (b) Fibroblasts labeled by SEEL (ST6Gal1 and compound **3** were then treated with *Arthrobacter ureafaciens* (AU) sialidase with various doses (33 U/mL, 67 U/mL, or 133 U/mL) and labeled glycoproteins visualized by Western blotting. No detectable decrease of biotin labeling was observed.

Table S1. Proteomic analysis on cells labeled by two-step SEEL or one-step SEEL (with ST6Gal1)

Labeling	UniProt	Protein	Gene	Detection	Spectral Counts		Ratio of Spectral Counts (1step:2step)		Peptides	Protein Length (AA)	Protein Weight (kDa)	Organism
					2-step	1-step	2-step	1-step				
ST6GAL1	sp|O43157|PLXB1_HUMAN	Plexin-B1	PLXNB1	In 1&2step	9	142	1	15,78	43	2135	232,13	Homo sapiens
ST6GAL1	sp|P05026|AT1B1_HUMAN	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	In 1&2step	6	93	1	15,50	17	303	35,02	Homo sapiens
ST6GAL1	sp|P35052|GPC1_HUMAN	Glypican-1	GPC1	In 1&2step	11	95	1	8,64	22	558	61,62	Homo sapiens
ST6GAL1	sp|Q96QD8|S38A2_HUMAN	Sodium-coupled neutral amino acid transporter 2	SLC38A2	In 1&2step	9	73	1	8,11	21	506	55,97	Homo sapiens
ST6GAL1	sp|P10586|PTPRF_HUMAN	Receptor-type tyrosine-protein phosphatase F	PTPRF	In 1&2step	109	820	1	7,52	148	1907	212,73	Homo sapiens
ST6GAL1	sp|Q68D85|NR3L1_HUMAN	Natural cytotoxicity triggering receptor 3 ligand 1	NCR3LG1	In 1&2step	11	80	1	7,27	22	454	50,78	Homo sapiens
ST6GAL1	sp|P17342|ANPRC_HUMAN	Atrial natriuretic peptide receptor 3	NPR3	In 1&2step	11	79	1	7,18	20	541	59,75	Homo sapiens
ST6GAL1	sp|O43854|EDIL3_HUMAN	EGF-like repeat and discoidin I-like domain-containing protein 3	EDIL3	In 1&2step	12	80	1	6,67	23	480	53,71	Homo sapiens
ST6GAL1	sp|P30530|UFO_HUMAN	Tyrosine-protein kinase receptor UFO	AXL	In 1&2step	7	45	1	6,43	19	894	98,26	Homo sapiens
ST6GAL1	tr|A0A024RBS4|A0A024RBS4_HUMAN	Scavenger receptor class B, member 1, isoform CRA_b	SCARB1	In 1&2step	32	204	1	6,38	36	509	56,92	Homo sapiens
ST6GAL1	sp|O75051|PLXA2_HUMAN	Plexin-A2	PLXNA2	In 1&2step	3	19	1	6,33	11	1894	210,95	Homo sapiens
ST6GAL1	sp|Q6P4Q7|CNNM4_HUMAN	Metal transporter CNNM4	CNNM4	In 1&2step	15	92	1	6,13	39	775	86,53	Homo sapiens
ST6GAL1	sp|O75976|CBPD_HUMAN	Carboxypeptidase D	CPD	In 1&2step	11	66	1	6,00	29	1380	152,82	Homo sapiens
ST6GAL1	sp|P61073|CXCR4_HUMAN	C-X-C chemokine receptor type 4	CXCR4	In 1&2step	15	89	1	5,93	22	352	39,70	Homo sapiens
ST6GAL1	sp|Q9H2H9|S38A1_HUMAN	Sodium-coupled neutral amino acid transporter 1	SLC38A1	In 1&2step	17	98	1	5,76	26	487	53,99	Homo sapiens
ST6GAL1	sp|Q8TB96|TIP_HUMAN	T-cell immunomodulatory protein	ITFG1	In 1&2step	7	40	1	5,71	12	612	68,05	Homo sapiens
ST6GAL1	sp|Q6ZRP7|QSOX2_HUMAN	Sulfhydryl oxidase 2	QSOX2	In 1&2step	11	60	1	5,45	22	698	77,46	Homo sapiens
ST6GAL1	tr|A0A024R798|A0A024R798_HUMAN	Solute carrier family 44, member 2, isoform CRA_b	SLC44A2	In 1&2step	13	69	1	5,31	23	704	79,80	Homo sapiens
ST6GAL1	sp|Q92859|NEO1_HUMAN	Neogenin	NEO1	In 1&2step	13	69	1	5,31	27	1461	159,90	Homo sapiens
ST6GAL1	sp|Q9BY67|CADM1_HUMAN	Cell adhesion molecule 1	CADM1	In 1&2step	10	53	1	5,30	14	442	48,46	Homo sapiens
ST6GAL1	sp|Q96J84|KIRR1_HUMAN	Kin of IRRE-like protein 1	KIRREL	In 1&2step	26	137	1	5,27	36	757	83,47	Homo sapiens
ST6GAL1	sp|Q9Y653|GPR56_HUMAN	G-protein coupled receptor 56	GPR56	In 1&2step	4	21	1	5,25	10	693	77,67	Homo sapiens
ST6GAL1	sp|P29317|EPHA2_HUMAN	Ephrin type-A receptor 2	EPHA2	In 1&2step	28	146	1	5,21	44	976	108,18	Homo sapiens
ST6GAL1	sp|P54289|CA2D1_HUMAN	Voltage-dependent calcium channel subunit alpha-2/delta-1	CACNA2D1	In 1&2step	26	133	1	5,12	41	1103	124,47	Homo sapiens
ST6GAL1	sp|Q8IWT6|LRC8A_HUMAN	Volume-regulated anion channel subunit LRRC8A	LRRC8A	In 1&2step	69	346	1	5,01	104	810	94,12	Homo sapiens
ST6GAL1	sp|Q9H0X4|ITFG3_HUMAN	Protein ITFG3	ITFG3	In 1&2step	23	105	1	4,57	27	552	59,60	Homo sapiens
ST6GAL1	sp|Q6NSJ0|K1161_HUMAN	Uncharacterized family 31 glucosidase KIAA1161	KIAA1161	In 1&2step	12	54	1	4,50	22	714	81,02	Homo sapiens
ST6GAL1	sp|P15509|CSF2R_HUMAN	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	CSF2RA	In 1&2step	11	49	1	4,45	12	400	46,16	Homo sapiens
ST6GAL1	sp|P35613|BASI_HUMAN	Basigin	BSG	In 1&2step	141	597	1	4,23	34	385	42,16	Homo sapiens
ST6GAL1	sp|Q9NPH3|IL1AP_HUMAN	Interleukin-1 receptor accessory protein	IL1RAP	In 1&2step	10	41	1	4,10	20	570	65,36	Homo sapiens
ST6GAL1	sp|Q13641|TPBG_HUMAN	Trophoblast glycoprotein	TPBG	In 1&2step	8	32	1	4,00	11	420	45,98	Homo sapiens
ST6GAL1	sp|Q9H1U4|MEGF9_HUMAN	Multiple epidermal growth factor-like domains protein 9	MEGF9	In 1&2step	14	56	1	4,00	16	602	62,92	Homo sapiens
ST6GAL1	sp|Q9ULI3|HEG1_HUMAN	Protein HEG homolog 1	HEG1	In 1&2step	18	72	1	4,00	21	1381	147,35	Homo sapiens
ST6GAL1	sp|P35222|CTNB1_HUMAN	Catenin beta-1	CTNNB1	In 1&2step	50	199	1	3,98	41	781	85,42	Homo sapiens
ST6GAL1	sp|P16066|ANPRA_HUMAN	Atrial natriuretic peptide receptor 1	NPR1	In 1&2step	23	91	1	3,96	37	1061	118,83	Homo sapiens
ST6GAL1	sp|Q13332|PTPRS_HUMAN	Receptor-type tyrosine-protein phosphatase S	PTPRS	In 1&2step	74	281	1	3,80	63	1948	216,89	Homo sapiens
ST6GAL1	sp|Q24JP5|T132A_HUMAN	Transmembrane protein 132A	TMEM132A	In 1&2step	20	75	1	3,75	24	1023	110,02	Homo sapiens
ST6GAL1	sp|P50895|BCAM_HUMAN	Basal cell adhesion molecule	BCAM	In 1&2step	65	242	1	3,72	55	628	67,34	Homo sapiens
ST6GAL1	sp|Q96PQ0|SORC2_HUMAN	VPS10 domain-containing receptor SorCS2	SORCS2	In 1&2step	21	77	1	3,67	32	1159	128,05	Homo sapiens
ST6GAL1	sp|P19022|CADH2_HUMAN	Cadherin-2	CDH2	In 1&2step	44	161	1	3,66	43	906	99,73	Homo sapiens
ST6GAL1	sp|Q9Y6N7|ROBO1_HUMAN	Roundabout homolog 1	ROBO1	In 1&2step	254	911	1	3,59	170	1651	180,80	Homo sapiens
ST6GAL1	sp|Q9H8M5|CNNM2_HUMAN	Metal transporter CNNM2	CNNM2	In 1&2step	29	104	1	3,59	43	875	96,54	Homo sapiens
ST6GAL1	sp|Q7KYR7|BT2A1_HUMAN	Butyrophilin subfamily 2 member A1	BTN2A1	In 1&2step	29	103	1	3,55	26	527	59,58	Homo sapiens
ST6GAL1	sp|Q92896|GSLG1_HUMAN	Golgi apparatus protein 1	GLG1	In 1&2step	51	178	1	3,49	55	1179	134,45	Homo sapiens
ST6GAL1	sp|Q86UN3|R4RL2_HUMAN	Reticulon-4 receptor-like 2	RTN4RL2	In 1&2step	23	80	1	3,48	17	420	46,06	Homo sapiens

ST6GAL1	sp|O14786|NRP1_HUMAN	Neuropilin-1	NRP1	In 1&2step	60	208	1	3,47	65	923	103,05	Homo sapiens
ST6GAL1	sp|P11717|MPRI_HUMAN	Cation-independent mannose-6-phosphate receptor	IGF2R	In 1&2step	475	1623	1	3,42	300	2491	274,18	Homo sapiens
ST6GAL1	sp|P04920|B3A2_HUMAN	Anion exchange protein 2	SLC4A2	In 1&2step	53	179	1	3,38	48	1241	136,91	Homo sapiens
ST6GAL1	sp|Q9Y639|NPTN_HUMAN	Neuroplastin	NPTN	In 1&2step	37	124	1	3,35	23	398	44,34	Homo sapiens
ST6GAL1	sp|O15439|MRP4_HUMAN	Multidrug resistance-associated protein 4	ABCC4	In 1&2step	16	53	1	3,31	27	1325	149,41	Homo sapiens
ST6GAL1	sp|P18433|PTPRA_HUMAN	Receptor-type tyrosine-protein phosphatase alpha	PTPRA	In 1&2step	59	191	1	3,24	46	802	90,52	Homo sapiens
ST6GAL1	sp|P01891|1A68_HUMAN	HLA class I histocompatibility antigen, A-68 alpha chain	HLA-A	In 1&2step	9	29	1	3,22	14	365	40,87	Homo sapiens
ST6GAL1	sp|Q92542|NICA_HUMAN	Nicastrin	NCSTN	In 1&2step	66	212	1	3,21	35	709	78,34	Homo sapiens
ST6GAL1	sp|Q13443|ADAM9_HUMAN	Disintegrin and metalloproteinase domain-containing protein 9	ADAM9	In 1&2step	10	32	1	3,20	19	819	90,48	Homo sapiens
ST6GAL1	sp|Q9P244|LRFN1_HUMAN	Leucine-rich repeat and fibronectin type III domain-containing protein 1	LRFN1	In 1&2step	11	35	1	3,18	16	771	82,25	Homo sapiens
ST6GAL1	sp|Q8NE01|CNNM3_HUMAN	Metal transporter CNNM3	CNNM3	In 1&2step	37	112	1	3,03	42	707	76,05	Homo sapiens
ST6GAL1	sp|P19256|LFA3_HUMAN	Lymphocyte function-associated antigen 3	CD58	In 1&2step	6	18	1	3,00	5	250	28,11	Homo sapiens
ST6GAL1	sp|Q9UBG0|MRC2_HUMAN	C-type mannose receptor 2	MRC2	In 1&2step	26	76	1	2,92	33	1479	166,55	Homo sapiens
ST6GAL1	sp|P14923|PLAK_HUMAN	Junction plakoglobin	JUP	In 1&2step	146	405	1	2,77	92	745	81,67	Homo sapiens
ST6GAL1	sp|Q14126|DSG2_HUMAN	Desmoglein-2	DSG2	In 1&2step	256	705	1	2,75	135	1118	122,20	Homo sapiens
ST6GAL1	sp|Q6YHK3|CD109_HUMAN	CD109 antigen	CD109	In 1&2step	67	184	1	2,75	68	1445	161,57	Homo sapiens
ST6GAL1	sp|P11166|GTR1_HUMAN	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	In 1&2step	21	57	1	2,71	24	492	54,03	Homo sapiens
ST6GAL1	sp|Q10589|BST2_HUMAN	Bone marrow stromal antigen 2	BST2	In 1&2step	6	16	1	2,67	6	180	19,74	Homo sapiens
ST6GAL1	sp|O60245|PCDH7_HUMAN	Protocadherin-7	PCDH7	In 1&2step	111	288	1	2,59	76	1069	115,98	Homo sapiens
ST6GAL1	sp|P15529|MCP_HUMAN	Membrane cofactor protein	CD46	In 1&2step	110	285	1	2,59	27	392	43,70	Homo sapiens
ST6GAL1	sp|O75691|UTP20_HUMAN	Small subunit processome component 20 homolog	UTP20	In 1&2step	7	18	1	2,57	12	2785	318,16	Homo sapiens
ST6GAL1	sp|Q9ULF5|S39AA_HUMAN	Zinc transporter ZIP10	SLC39A10	In 1&2step	47	120	1	2,55	30	831	94,05	Homo sapiens
ST6GAL1	sp|Q92485|ASM3B_HUMAN	Acid sphingomyelinase-like phosphodiesterase 3b	SMPDL3B	In 1&2step	22	56	1	2,55	11	455	50,76	Homo sapiens
ST6GAL1	sp|P01130|LDLR_HUMAN	Low-density lipoprotein receptor	LDLR	In 1&2step	55	139	1	2,53	40	860	95,30	Homo sapiens
ST6GAL1	sp|P42892|ECE1_HUMAN	Endothelin-converting enzyme 1	ECE1	In 1&2step	149	372	1	2,50	62	770	87,09	Homo sapiens
ST6GAL1	sp|Q15043|S39AE_HUMAN	Zinc transporter ZIP14	SLC39A14	In 1&2step	61	151	1	2,48	25	492	54,16	Homo sapiens
ST6GAL1	sp|Q14118|DAG1_HUMAN	Dystroglycan	DAG1	In 1&2step	117	284	1	2,43	42	895	97,36	Homo sapiens
ST6GAL1	sp|Q04721|NOTC2_HUMAN	Neurogenic locus notch homolog protein 2	NOTCH2	In 1&2step	146	350	1	2,40	103	2471	265,21	Homo sapiens
ST6GAL1	sp|P54760|EPHB4_HUMAN	Ephrin type-B receptor 4	EPHB4	In 1&2step	119	284	1	2,39	76	987	108,18	Homo sapiens
ST6GAL1	sp|P33151|CADH5_HUMAN	Cadherin-5	CDH5	In 1&2step	61	145	1	2,38	36	784	87,46	Homo sapiens
ST6GAL1	sp|P23470|PTPRG_HUMAN	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	In 1&2step	95	224	1	2,36	61	1445	161,88	Homo sapiens
ST6GAL1	sp|P15151|PVR_HUMAN	Poliovirus receptor	PVR	In 1&2step	159	369	1	2,32	39	417	45,26	Homo sapiens
ST6GAL1	sp|P11279|LAMP1_HUMAN	Lysosome-associated membrane glycoprotein 1	LAMP1	In 1&2step	13	30	1	2,31	10	417	44,84	Homo sapiens
ST6GAL1	sp|O00541|PESC_HUMAN	Pescadillo homolog	PES1	In 1&2step	7	15	1	2,14	9	588	67,94	Homo sapiens
ST6GAL1	sp|O75882|ATRN_HUMAN	Attractin	ATRN	In 1&2step	63	134	1	2,13	42	1429	158,41	Homo sapiens
ST6GAL1	sp|Q6EMK4|VASN_HUMAN	Vasorin	VASN	In 1&2step	53	112	1	2,11	22	673	71,65	Homo sapiens
ST6GAL1	sp|P08174|DAF_HUMAN	Complement decay-accelerating factor	CD55	In 1&2step	227	476	1	2,10	55	381	41,36	Homo sapiens
ST6GAL1	sp|Q02487|DSC2_HUMAN	Desmocollin-2	DSC2	In 1&2step	17	35	1	2,06	16	901	99,88	Homo sapiens
ST6GAL1	sp|P07996|TSP1_HUMAN	Thrombospondin-1	THBS1	In 1&2step	49	100	1	2,04	42	1170	129,28	Homo sapiens
ST6GAL1	sp|P05362|ICAM1_HUMAN	Intercellular adhesion molecule 1	ICAM1	In 1&2step	388	778	1	2,01	103	532	57,77	Homo sapiens
ST6GAL1	tr|E9PGC5|E9PGC5_HUMAN	Receptor-type tyrosine-protein phosphatase kappa	PTPRK	In 1&2step	78	156	1	2,00	51	1472	165,90	Homo sapiens
ST6GAL1	sp|O75197|LRP5_HUMAN	Low-density lipoprotein receptor-related protein 5	LRP5	In 1&2step	19	37	1	1,95	21	1615	179,01	Homo sapiens
ST6GAL1	sp|P04626|ERBB2_HUMAN	Receptor tyrosine-protein kinase erbB-2	ERBB2	In 1&2step	57	111	1	1,95	38	1255	137,80	Homo sapiens
ST6GAL1	sp|O15031|PLXB2_HUMAN	Plexin-B2	PLXNB2	In 1&2step	573	1088	1	1,90	206	1838	204,98	Homo sapiens
ST6GAL1	sp|P16070|CD44_HUMAN	CD44 antigen	CD44	In 1&2step	366	689	1	1,88	70	742	81,47	Homo sapiens
ST6GAL1	sp|O60291|MGRN1_HUMAN	E3 ubiquitin-protein ligase MGRN1	MGRN1	In 1&2step	24	45	1	1,88	13	552	60,70	Homo sapiens
ST6GAL1	sp|P21802|FGFR2_HUMAN	Fibroblast growth factor receptor 2	FGFR2	In 1&2step	13	24	1	1,85	17	821	91,95	Homo sapiens
ST6GAL1	sp|Q01974|ROR2_HUMAN	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	In 1&2step	111	194	1	1,75	57	943	104,67	Homo sapiens
ST6GAL1	sp|Q13433|S39A6_HUMAN	Zinc transporter ZIP6	SLC39A6	In 1&2step	37	64	1	1,73	21	755	84,98	Homo sapiens
ST6GAL1	sp|Q9UHN6|TMEM2_HUMAN	Transmembrane protein 2	TMEM2	In 1&2step	390	674	1	1,73	165	1383	154,26	Homo sapiens
ST6GAL1	sp|P16144|ITB4_HUMAN	Integrin beta-4	ITGB4	In 1&2step	154	265	1	1,72	88	1822	202,02	Homo sapiens

ST6GAL1	sp|Q13444|ADA15_HUMAN	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	In 1&2step	64	110	1	1,72	31	863	92,88	Homo sapiens
ST6GAL1	sp|Q9UIW2|PLXA1_HUMAN	Plexin-A1	PLXNA1	In 1&2step	302	518	1	1,72	130	1896	210,91	Homo sapiens
ST6GAL1	sp|Q08722|CD47_HUMAN	Leukocyte surface antigen CD47	CD47	In 1&2step	14	24	1	1,71	6	323	35,17	Homo sapiens
ST6GAL1	sp|Q9UMF0|ICAM5_HUMAN	Intercellular adhesion molecule 5	ICAM5	In 1&2step	7	12	1	1,71	11	924	97,04	Homo sapiens
ST6GAL1	sp|Q5ZPR3|CD276_HUMAN	CD276 antigen	CD276	In 1&2step	285	486	1	1,71	40	534	57,18	Homo sapiens
ST6GAL1	sp|P17813|EGLN_HUMAN	Endoglin	ENG	In 1&2step	182	309	1	1,70	73	658	70,52	Homo sapiens
ST6GAL1	sp|Q07954|LRP1_HUMAN	Prolow-density lipoprotein receptor-related protein 1	LRP1	In 1&2step	226	377	1	1,67	155	4544	504,26	Homo sapiens
ST6GAL1	sp|P08648|ITA5_HUMAN	Integrin alpha-5	ITGA5	In 1&2step	136	226	1	1,66	58	1049	114,45	Homo sapiens
ST6GAL1	sp|Q13740|CD166_HUMAN	CD166 antigen	ALCAM	In 1&2step	294	467	1	1,59	71	583	65,04	Homo sapiens
ST6GAL1	sp|Q9NYQ6|CELR1_HUMAN	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	In 1&2step	96	152	1	1,58	60	3014	329,26	Homo sapiens
ST6GAL1	tr|B7ZLD0|B7ZLD0_HUMAN	LRP6 protein	LRP6	In 1&2step	72	114	1	1,58	45	1568	175,32	Homo sapiens
ST6GAL1	sp|P0CW18|PRS56_HUMAN	Serine protease 56	PRSS56	In 1&2step	38	60	1	1,58	23	603	64,54	Homo sapiens
ST6GAL1	sp|P06756|ITAV_HUMAN	Integrin alpha-V	ITGAV	In 1&2step	466	733	1	1,57	158	1048	115,95	Homo sapiens
ST6GAL1	sp|Q14574|DSC3_HUMAN	Desmocollin-3	DSC3	In 1&2step	16	25	1	1,56	15	896	99,89	Homo sapiens
ST6GAL1	sp|P26012|ITB8_HUMAN	Integrin beta-8	ITGB8	In 1&2step	32	50	1	1,56	24	769	85,56	Homo sapiens
ST6GAL1	sp|P48509|CD151_HUMAN	CD151 antigen	CD151	In 1&2step	35	54	1	1,54	18	253	28,26	Homo sapiens
ST6GAL1	sp|P05556|ITB1_HUMAN	Integrin beta-1	ITGB1	In 1&2step	648	987	1	1,52	145	798	88,34	Homo sapiens
ST6GAL1	sp|O94826|TOM70_HUMAN	Mitochondrial import receptor subunit TOM70	TOMM70A	In 1&2step	2	3	1	1,50	4	608	67,39	Homo sapiens
ST6GAL1	sp|Q969V3|NCLN_HUMAN	Nicalin	NCLN	In 1&2step	15	22	1	1,47	12	563	62,92	Homo sapiens
ST6GAL1	tr|B3KNK2|B3KNK2_HUMAN	cDNA FLJ14770 fis, clone NT2RP3004207, highly similar to Homo sapiens seizure related 6 homolog (mouse)-like 2 (SEZ6L2), transcript variant 1, mRNA	SEZ6L2	In 1&2step	10	14	1	1,40	9	674	73,55	Homo sapiens
ST6GAL1	sp|P56199|ITA1_HUMAN	Integrin alpha-1	ITGA1	In 1&2step	224	313	1	1,40	76	1179	130,75	Homo sapiens
ST6GAL1	sp|Q6PJG9|LRFN4_HUMAN	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	LRFN4	In 1&2step	33	46	1	1,39	24	635	66,80	Homo sapiens
ST6GAL1	sp|Q969P0|IGSF8_HUMAN	Immunoglobulin superfamily member 8	IGSF8	In 1&2step	89	119	1	1,34	31	613	64,98	Homo sapiens
ST6GAL1	sp|P18084|ITB5_HUMAN	Integrin beta-5	ITGB5	In 1&2step	194	256	1	1,32	80	799	87,98	Homo sapiens
ST6GAL1	sp|Q9P273|TEN3_HUMAN	Teneurin-3	TENM3	In 1&2step	288	379	1	1,32	149	2699	300,74	Homo sapiens
ST6GAL1	sp|Q12913|PTPRJ_HUMAN	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	In 1&2step	241	305	1	1,27	73	1337	145,83	Homo sapiens
ST6GAL1	sp|Q9Y4D7|PLXD1_HUMAN	Plexin-D1	PLXND1	In 1&2step	169	213	1	1,26	66	1925	211,85	Homo sapiens
ST6GAL1	sp|O00468|AGRIN_HUMAN	Agrin	AGRN	In 1&2step	209	259	1	1,24	123	2067	217,07	Homo sapiens
ST6GAL1	sp|P08069|IGF1R_HUMAN	Insulin-like growth factor 1 receptor	IGF1R	In 1&2step	487	597	1	1,23	162	1367	154,68	Homo sapiens
ST6GAL1	sp|Q13501|SQSTM_HUMAN	Sequestosome-1	SQSTM1	In 1&2step	9	11	1	1,22	6	440	47,64	Homo sapiens
ST6GAL1	sp|P23229|ITA6_HUMAN	Integrin alpha-6	ITGA6	In 1&2step	228	262	1	1,15	79	1130	126,51	Homo sapiens
ST6GAL1	sp|Q9HCM3|K1549_HUMAN	UPF0606 protein KIAA1549	KIAA1549	In 1&2step	103	118	1	1,15	55	1950	210,61	Homo sapiens
ST6GAL1	sp|P06213|INSR_HUMAN	Insulin receptor	INSR	In 1&2step	484	554	1	1,14	149	1382	156,21	Homo sapiens
ST6GAL1	sp|Q92692|PVRL2_HUMAN	Nectin-2	PVRL2	In 1&2step	60	67	1	1,12	19	538	57,69	Homo sapiens
ST6GAL1	sp|O95672|ECEL1_HUMAN	Endothelin-converting enzyme-like 1	ECEL1	In 1&2step	37	41	1	1,11	25	775	87,72	Homo sapiens
ST6GAL1	sp|P32004|L1CAM_HUMAN	Neural cell adhesion molecule L1	L1CAM	In 1&2step	925	997	1	1,08	174	1257	139,90	Homo sapiens
ST6GAL1	sp|P08581|MET_HUMAN	Hepatocyte growth factor receptor	MET	In 1&2step	349	375	1	1,07	120	1390	155,42	Homo sapiens
ST6GAL1	sp|O15230|LAMA5_HUMAN	Laminin subunit alpha-5	LAMA5	In 1&2step	546	581	1	1,06	245	3695	399,46	Homo sapiens
ST6GAL1	sp|Q9P2B2|FPRP_HUMAN	Prostaglandin F2 receptor negative regulator	PTGFRN	In 1&2step	124	130	1	1,05	37	879	98,48	Homo sapiens
ST6GAL1	sp|Q6UVK1|CSPG4_HUMAN	Chondroitin sulfate proteoglycan 4	CSPG4	In 1&2step	1175	1222	1	1,04	292	2322	250,36	Homo sapiens
ST6GAL1	sp|P26006|ITA3_HUMAN	Integrin alpha-3	ITGA3	In 1&2step	208	214	1	1,03	55	1051	116,52	Homo sapiens
ST6GAL1	sp|O75054|IGSF3_HUMAN	Immunoglobulin superfamily member 3	IGSF3	In 1&2step	38	39	1	1,03	31	1194	135,09	Homo sapiens
ST6GAL1	sp|P11047|LAMC1_HUMAN	Laminin subunit gamma-1	LAMC1	In 1&2step	173	167	1	0,97	77	1609	177,47	Homo sapiens
ST6GAL1	sp|Q08554|DSC1_HUMAN	Desmocollin-1	DSC1	In 1&2step	18	17	1	0,94	10	894	99,91	Homo sapiens
ST6GAL1	sp|P17301|ITA2_HUMAN	Integrin alpha-2	ITGA2	In 1&2step	98	92	1	0,94	40	1181	129,20	Homo sapiens
ST6GAL1	sp|O75131|CPNE3_HUMAN	Copine-3	CPNE3	In 1&2step	11	10	1	0,91	10	537	60,07	Homo sapiens
ST6GAL1	sp|O95573|ACSL3_HUMAN	Long-chain-fatty-acid--CoA ligase 3	ACSL3	In 1&2step	14	12	1	0,86	7	720	80,35	Homo sapiens
ST6GAL1	sp|P48643|TCPE_HUMAN	T-complex protein 1 subunit epsilon	CCT5	In 1&2step	6	5	1	0,83	4	541	59,61	Homo sapiens
ST6GAL1	sp|P07942|LAMB1_HUMAN	Laminin subunit beta-1	LAMB1	In 1&2step	157	127	1	0,81	69	1786	197,89	Homo sapiens
ST6GAL1	sp|Q9HCU4|CELR2_HUMAN	Cadherin EGF LAG seven-pass G-type receptor 2	CELSR2	In 1&2step	81	65	1	0,80	42	2923	317,23	Homo sapiens
ST6GAL1	sp|Q14517|FAT1_HUMAN	Protocadherin Fat 1	FAT1	In 1&2step	243	194	1	0,80	150	4588	505,94	Homo sapiens
ST6GAL1	sp|P43121|MUC18_HUMAN	Cell surface glycoprotein MUC18	MCAM	In 1&2step	818	644	1	0,79	128	646	71,54	Homo sapiens

ST6GAL1	tr|B5ME49|B5ME49_HUMAN	AP-1 complex subunit mu-1	AP1M1	In 1&2step	20	14	1	0,70	4	14507	1518,22	Homo sapiens
ST6GAL1	sp|P28288|ABCD3_HUMAN	ATP-binding cassette sub-family D member 3	ABCD3	In 1&2step	12	8	1	0,67	10	659	75,41	Homo sapiens
ST6GAL1	sp|O60488|ACSL4_HUMAN	Long-chain-fatty-acid--CoA ligase 4	ACSL4	In 1&2step	6	4	1	0,67	5	711	79,12	Homo sapiens
ST6GAL1	sp|Q02413|DSG1_HUMAN	Desmoglein-1	DSG1	In 1&2step	60	28	1	0,47	25	1049	113,66	Homo sapiens
ST6GAL1	sp|Q6V0I7|FAT4_HUMAN	Protocadherin Fat 4	FAT4	In 1&2step	86	32	1	0,37	55	4981	542,33	Homo sapiens
ST6GAL1	sp|P12956|XRCC6_HUMAN	X-ray repair cross-complementing protein 6	XRCC6	In 1&2step	12	3	1	0,25	10	609	69,78	Homo sapiens
ST6GAL1	sp|Q9BZC7|ABCA2_HUMAN	ATP-binding cassette sub-family A member 2	ABCA2	In 1step		37			15	2435	269,68	Homo sapiens
ST6GAL1	sp|Q9NP58|ABCB6_HUMAN	ATP-binding cassette sub-family B member 6, mitochondrial	ABCB6	In 1step		5			3	842	93,81	Homo sapiens
ST6GAL1	sp|P33527|MRP1_HUMAN	Multidrug resistance-associated protein 1	ABCC1	In 1step		119			40	1531	171,46	Homo sapiens
ST6GAL1	sp|O15440|MRP5_HUMAN	Multidrug resistance-associated protein 5	ABCC5	In 1step		21			7	1437	160,54	Homo sapiens
ST6GAL1	sp|P61221|ABCE1_HUMAN	ATP-binding cassette sub-family E member 1	ABCE1	In 1step		139			22	599	67,25	Homo sapiens
ST6GAL1	sp|Q9H845|ACAD9_HUMAN	Acyl-CoA dehydrogenase family member 9, mitochondrial	ACAD9	In 1step		6			3	621	68,70	Homo sapiens
ST6GAL1	sp|Q04771|ACVR1_HUMAN	Activin receptor type-1	ACVR1	In 1step		5			3	509	57,10	Homo sapiens
ST6GAL1	sp|O14672|ADA10_HUMAN	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10	In 1step		29			10	748	84,07	Homo sapiens
ST6GAL1	sp|P78536|ADA17_HUMAN	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17	In 1step		26			10	824	92,94	Homo sapiens
ST6GAL1	sp|O60503|ADCY9_HUMAN	Adenylate cyclase type 9	ADCY9	In 1step		7			4	1353	150,59	Homo sapiens
ST6GAL1	sp|Q8IVF2|AHNK2_HUMAN	Protein AHNAK2	AHNAK2	In 1step		21			5	5795	616,22	Homo sapiens
ST6GAL1	sp|P02765|FETUA_HUMAN	Alpha-2-HS-glycoprotein	AHSG	In 1step		11			2	367	39,28	Homo sapiens
ST6GAL1	sp|P09923|PPBI_HUMAN	Intestinal-type alkaline phosphatase	ALPI	In 1step		532			46	528	56,76	Homo sapiens
ST6GAL1	sp|P05187|PPB1_HUMAN	Alkaline phosphatase, placental type	ALPP	In 1step		69			13	535	57,90	Homo sapiens
ST6GAL1	sp|P10696|PPBN_HUMAN	Alkaline phosphatase, placental-like	ALPPL2	In 1step		8			2	532	57,32	Homo sapiens
ST6GAL1	sp|Q9HCJ1|ANKH_HUMAN	Progressive ankylosis protein homolog	ANKH	In 1step		31			10	492	54,19	Homo sapiens
ST6GAL1	sp|P15144|AMPN_HUMAN	Aminopeptidase N	ANPEP	In 1step		37			15	967	109,45	Homo sapiens
ST6GAL1	sp|Q9H6X2|ANTR1_HUMAN	Anthrax toxin receptor 1	ANTXR1	In 1step		16			6	564	62,73	Homo sapiens
ST6GAL1	sp|P08133|ANXA6_HUMAN	Annexin A6	ANXA6	In 1step		16			7	673	75,81	Homo sapiens
ST6GAL1	sp|O94973|AP2A2_HUMAN	AP-2 complex subunit alpha-2	AP2A2	In 1step		6			3	939	103,88	Homo sapiens
ST6GAL1	sp|P13637|AT1A3_HUMAN	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3	In 1step		27			2	1013	111,66	Homo sapiens
ST6GAL1	sp|P54709|AT1B3_HUMAN	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	In 1step		43			5	279	31,47	Homo sapiens
ST6GAL1	sp|Q9Y5Z0|BACE2_HUMAN	Beta-secretase 2	BACE2	In 1step		17			6	518	56,13	Homo sapiens
ST6GAL1	sp|P51587|BRCA2_HUMAN	Breast cancer type 2 susceptibility protein	BRCA2	In 1step		10			5	3418	383,97	Homo sapiens
ST6GAL1	sp|Q5VU97|CAHD1_HUMAN	VWFA and cache domain-containing protein 1	CACHD1	In 1step		38			15	1274	142,18	Homo sapiens
ST6GAL1	sp|Q8NFZ8|CADM4_HUMAN	Cell adhesion molecule 4	CADM4	In 1step		29			7	388	42,74	Homo sapiens
ST6GAL1	sp|Q03135|CAV1_HUMAN	Caveolin-1	CAV1	In 1step		26			5	178	20,44	Homo sapiens
ST6GAL1	sp|Q9NPF0|CD320_HUMAN	CD320 antigen	CD320	In 1step		20			3	282	28,95	Homo sapiens
ST6GAL1	sp|P48960|CD97_HUMAN	CD97 antigen	CD97	In 1step		559			53	835	91,79	Homo sapiens
ST6GAL1	sp|Q07065|CKAP4_HUMAN	Cytoskeleton-associated protein 4	CKAP4	In 1step		3			2	602	65,96	Homo sapiens
ST6GAL1	sp|O76031|CLPX_HUMAN	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	CLPX	In 1step		20			8	633	69,16	Homo sapiens
ST6GAL1	sp|Q9NRU3|CNNM1_HUMAN	Metal transporter CNNM1	CNNM1	In 1step		3			2	951	104,27	Homo sapiens
ST6GAL1	sp|Q99715|COCA1_HUMAN	Collagen alpha-1(XII) chain	COL12A1	In 1step		195			67	3063	332,92	Homo sapiens
ST6GAL1	sp|P14384|CBPM_HUMAN	Carboxypeptidase M	CPM	In 1step		7			2	443	50,46	Homo sapiens
ST6GAL1	sp|P35221|CTNA1_HUMAN	Catenin alpha-1	CTNNA1	In 1step		34			12	906	99,99	Homo sapiens
ST6GAL1	sp|P81605|DCD_HUMAN	Dermcidin	DCD	In 1step		11			3	110	11,26	Homo sapiens
ST6GAL1	sp|Q08345|DDR1_HUMAN	Epithelial discoidin domain-containing receptor 1	DDR1	In 1step		9			6	913	101,05	Homo sapiens
ST6GAL1	sp|Q16832|DDR2_HUMAN	Discoidin domain-containing receptor 2	DDR2	In 1step		77			19	855	96,66	Homo sapiens
ST6GAL1	sp|P00533|EGFR_HUMAN	Epidermal growth factor receptor	EGFR	In 1step		1522			135	1210	134,17	Homo sapiens
ST6GAL1	sp|Q9UHX3|EMR2_HUMAN	EGF-like module-containing mucin-like hormone receptor-like 2	EMR2	In 1step		6			2	823	90,39	Homo sapiens
ST6GAL1	sp|P29323|EPHB2_HUMAN	Ephrin type-B receptor 2	EPHB2	In 1step		22			9	1055	117,40	Homo sapiens
ST6GAL1	sp|P54753|EPHB3_HUMAN	Ephrin type-B receptor 3	EPHB3	In 1step		5			2	998	110,24	Homo sapiens
ST6GAL1	sp|Q9BSJ8|ESYT1_HUMAN	Extended synaptotagmin-1	ESYT1	In 1step		3			2	1104	122,76	Homo sapiens

ST6GAL1	sp|Q7L8L6|FAKD5_HUMAN	FAST kinase domain-containing protein 5	FASTKD5	In 1step	6	3	764	86,50	Homo sapiens
ST6GAL1	sp|P35555|FBN1_HUMAN	Fibrillin-1	FBN1	In 1step	17	6	2871	312,00	Homo sapiens
ST6GAL1	sp|P20930|FILA_HUMAN	Filaggrin	FLG	In 1step	8	3	4061	434,90	Homo sapiens
ST6GAL1	sp|P06241|FYN_HUMAN	Tyrosine-protein kinase Fyn	FYN	In 1step	6	3	537	60,71	Homo sapiens
ST6GAL1	sp|Q14332|FZD2_HUMAN	Frizzled-2	FZD2	In 1step	14	5	565	63,49	Homo sapiens
ST6GAL1	sp|Q10472|GALT1_HUMAN	Polypeptide N-acetylgalactosaminyltransferase 1	GALNT1	In 1step	10	4	559	64,16	Homo sapiens
ST6GAL1	sp|P19440|GGT1_HUMAN	Gamma-glutamyltranspeptidase 1	GGT1	In 1step	29	9	569	61,35	Homo sapiens
ST6GAL1	sp|P16278|BGAL_HUMAN	Beta-galactosidase	GLB1	In 1step	6	3	677	76,01	Homo sapiens
ST6GAL1	sp|P15586|GNS_HUMAN	N-acetylglucosamine-6-sulfatase	GNS	In 1step	21	7	552	62,02	Homo sapiens
ST6GAL1	sp|O00461|GOLI4_HUMAN	Golgi integral membrane protein 4	GOLIM4	In 1step	14	5	696	81,81	Homo sapiens
ST6GAL1	sp|P43304|GPDM_HUMAN	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPD2	In 1step	37	16	727	80,78	Homo sapiens
ST6GAL1	sp|Q8IWK6|GP125_HUMAN	Probable G-protein coupled receptor 125	GPR125	In 1step	17	8	1321	146,04	Homo sapiens
ST6GAL1	sp|Q8NFJ5|RAI3_HUMAN	Retinoic acid-induced protein 3	GPRC5A	In 1step	32	7	357	40,21	Homo sapiens
ST6GAL1	sp|P78347|GTF2I_HUMAN	General transcription factor II-I	GTF2I	In 1step	7	3	998	112,33	Homo sapiens
ST6GAL1	sp|P07900|HS90A_HUMAN	Heat shock protein HSP 90-alpha	HSP90AA1	In 1step	18	7	732	84,59	Homo sapiens
ST6GAL1	sp|P08107|HSP71_HUMAN	Heat shock 70 kDa protein 1A/1B	HSPA1A	In 1step	42	16	641	69,99	Homo sapiens
ST6GAL1	sp|O75144|ICOSL_HUMAN	ICOS ligand	ICOSLG	In 1step	9	3	302	33,31	Homo sapiens
ST6GAL1	sp|P17181|INAR1_HUMAN	Interferon alpha/beta receptor 1	IFNAR1	In 1step	19	6	557	63,47	Homo sapiens
ST6GAL1	sp|P40189|IL6RB_HUMAN	Interleukin-6 receptor subunit beta	IL6ST	In 1step	8	5	918	103,45	Homo sapiens
ST6GAL1	sp|Q16891|MIC60_HUMAN	MICOS complex subunit MIC60	IMMT	In 1step	16	8	758	83,61	Homo sapiens
ST6GAL1	sp|Q96J02|ITCH_HUMAN	E3 ubiquitin-protein ligase Itchy homolog	ITCH	In 1step	5	3	903	102,72	Homo sapiens
ST6GAL1	sp|Q9Y219|JAG2_HUMAN	Protein jagged-2	JAG2	In 1step	15	6	1238	133,26	Homo sapiens
ST6GAL1	sp|Q9ULH0|KDIS_HUMAN	Kinase D-interacting substrate of 220 kDa	KIDINS220	In 1step	60	25	1771	196,40	Homo sapiens
ST6GAL1	sp|Q14974|IMB1_HUMAN	Importin subunit beta-1	KPNB1	In 1step	6	4	876	97,09	Homo sapiens
ST6GAL1	sp|P24043|LAMA2_HUMAN	Laminin subunit alpha-2	LAMA2	In 1step	9	4	3122	343,67	Homo sapiens
ST6GAL1	sp|Q9BXB1|LGR4_HUMAN	Leucine-rich repeat-containing G-protein coupled receptor 4	LGR4	In 1step	14	6	951	104,39	Homo sapiens
ST6GAL1	sp|P42702|LIFR_HUMAN	Leukemia inhibitory factor receptor	LIFR	In 1step	33	11	1097	123,65	Homo sapiens
ST6GAL1	sp|Q96JA1|LRIG1_HUMAN	Leucine-rich repeats and immunoglobulin-like domains protein 1	LRIG1	In 1step	12	6	1093	119,02	Homo sapiens
ST6GAL1	sp|Q14114|LRP8_HUMAN	Low-density lipoprotein receptor-related protein 8	LRP8	In 1step	15	7	963	105,55	Homo sapiens
ST6GAL1	sp|Q8TDW0|LRC8C_HUMAN	Volume-regulated anion channel subunit LRRC8C	LRRC8C	In 1step	43	18	803	92,37	Homo sapiens
ST6GAL1	sp|Q7L1W4|LRC8D_HUMAN	Volume-regulated anion channel subunit LRRC8D	LRRC8D	In 1step	70	29	858	98,12	Homo sapiens
ST6GAL1	sp|Q6NSJ5|LRC8E_HUMAN	Volume-regulated anion channel subunit LRRC8E	LRRC8E	In 1step	103	34	796	90,17	Homo sapiens
ST6GAL1	sp|O95274|LYPD3_HUMAN	Ly6/PLAUR domain-containing protein 3	LYPD3	In 1step	27	5	346	35,93	Homo sapiens
ST6GAL1	sp|Q9P1T7|MDFIC_HUMAN	MyoD family inhibitor domain-containing protein	MDFIC	In 1step	8	3	246	25,75	Homo sapiens
ST6GAL1	sp|P55082|MFAP3_HUMAN	Microfibril-associated glycoprotein 3	MFAP3	In 1step	6	3	362	40,12	Homo sapiens
ST6GAL1	sp|P08582|TRFM_HUMAN	Melanotransferrin	MFI2	In 1step	4	2	738	80,15	Homo sapiens
ST6GAL1	sp|P15941|MUC1_HUMAN	Mucin-1	MUC1	In 1step	15	2	1255	122,01	Homo sapiens
ST6GAL1	sp|Q9NZM1|MYOF_HUMAN	Myoferlin	MYOF	In 1step	238	65	2061	234,54	Homo sapiens
ST6GAL1	sp|Q8NFZ4|NLGN2_HUMAN	Neuroligin-2	NLGN2	In 1step	7	4	835	90,74	Homo sapiens
ST6GAL1	sp|P46531|NOTC1_HUMAN	Neurogenic locus notch homolog protein 1	NOTCH1	In 1step	48	17	2555	272,31	Homo sapiens
ST6GAL1	sp|Q92823|NRCAM_HUMAN	Neuronal cell adhesion molecule	NRCAM	In 1step	32	16	1304	143,78	Homo sapiens
ST6GAL1	sp|O60462|NRP2_HUMAN	Neuropilin-2	NRP2	In 1step	10	5	931	104,77	Homo sapiens
ST6GAL1	sp|Q99650|OSMR_HUMAN	Oncostatin-M-specific receptor subunit beta	OSMR	In 1step	16	8	979	110,42	Homo sapiens
ST6GAL1	sp|Q9H6A9|PCX3_HUMAN	Pecanex-like protein 3	PCNXL3	In 1step	31	14	2034	221,88	Homo sapiens
ST6GAL1	sp|Q8WUM4|PDC6I_HUMAN	Programmed cell death 6-interacting protein	PDCD6IP	In 1step	20	9	868	95,95	Homo sapiens
ST6GAL1	sp|Q92508|PIEZ1_HUMAN	Piezo-type mechanosensitive ion channel component 1	PIEZO1	In 1step	147	29	2521	286,59	Homo sapiens
ST6GAL1	sp|Q9H5I5|PIEZ2_HUMAN	Piezo-type mechanosensitive ion channel component 2	PIEZO2	In 1step	38	17	2752	317,84	Homo sapiens
ST6GAL1	sp|Q8IV08|PLD3_HUMAN	Phospholipase D3	PLD3	In 1step	6	4	490	54,65	Homo sapiens
ST6GAL1	sp|O00469|PLOD2_HUMAN	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	PLOD2	In 1step	13	6	737	84,61	Homo sapiens
ST6GAL1	sp|Q9NZ53|PDXL2_HUMAN	Podocalyxin-like protein 2	PODXL2	In 1step	10	2	605	65,02	Homo sapiens
ST6GAL1	sp|P07602|SAP_HUMAN	Prosaposin	PSAP	In 1step	30	9	524	58,06	Homo sapiens
ST6GAL1	sp|P26599|PTBP1_HUMAN	Polypyrimidine tract-binding protein 1	PTBP1	In 1step	19	6	531	57,17	Homo sapiens

ST6GAL1	sp|Q13308|PTK7_HUMAN	Inactive tyrosine-protein kinase 7	PTK7	In 1step		31	13	1070	118,30	Homo sapiens
ST6GAL1	sp|Q9P035|HACD3_HUMAN	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	PTPLAD1	In 1step		20	7	362	43,11	Homo sapiens
ST6GAL1	sp|Q15223|PVRL1_HUMAN	Nectin-1	PVRL1	In 1step		10	3	517	57,10	Homo sapiens
ST6GAL1	sp|Q9NQS3|PVRL3_HUMAN	Nectin-3	PVRL3	In 1step		34	11	549	60,95	Homo sapiens
ST6GAL1	sp|Q92626|PXDN_HUMAN	Peroxidasin homolog	PXDN	In 1step		9	5	1479	165,15	Homo sapiens
ST6GAL1	sp|P61026|RAB10_HUMAN	Ras-related protein Rab-10	RAB10	In 1step		15	5	200	22,51	Homo sapiens
ST6GAL1	sp|P49792|RBP2_HUMAN	E3 SUMO-protein ligase RanBP2	RANBP2	In 1step		7	5	3224	357,96	Homo sapiens
ST6GAL1	sp|Q5JTH9|RRP12_HUMAN	RRP12-like protein	RRP12	In 1step		8	4	1297	143,59	Homo sapiens
ST6GAL1	sp|P34925|RYK_HUMAN	Tyrosine-protein kinase RYK	RYK	In 1step		11	4	604	67,45	Homo sapiens
ST6GAL1	sp|Q6UWP8|SBSN_HUMAN	Suprabasin	SBSN	In 1step		3	2	590	60,49	Homo sapiens
ST6GAL1	sp|Q9C0C4|SEM4C_HUMAN	Semaphorin-4C	SEMA4C	In 1step		4	3	833	92,55	Homo sapiens
ST6GAL1	sp|Q8NFY4|SEM6D_HUMAN	Semaphorin-6D	SEMA6D	In 1step		15	6	1073	119,78	Homo sapiens
ST6GAL1	sp|O75533|SF3B1_HUMAN	Splicing factor 3B subunit 1	SF3B1	In 1step		14	5	1304	145,72	Homo sapiens
ST6GAL1	sp|P78324|SHPS1_HUMAN	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	In 1step		39	7	504	54,91	Homo sapiens
ST6GAL1	sp|P55011|S12A2_HUMAN	Solute carrier family 12 member 2	SLC12A2	In 1step		45	21	1212	131,35	Homo sapiens
ST6GAL1	sp|Q9Y666|S12A7_HUMAN	Solute carrier family 12 member 7	SLC12A7	In 1step		214	44	1083	119,01	Homo sapiens
ST6GAL1	sp|Q00325|MPCP_HUMAN	Phosphate carrier protein, mitochondrial	SLC25A3	In 1step		62	14	362	40,05	Homo sapiens
ST6GAL1	sp|Q99808|S29A1_HUMAN	Equilibrative nucleoside transporter 1	SLC29A1	In 1step		8	2	456	50,17	Homo sapiens
ST6GAL1	sp|P11169|GTR3_HUMAN	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	In 1step		34	9	496	53,87	Homo sapiens
ST6GAL1	sp|Q9Y6M5|ZNT1_HUMAN	Zinc transporter 1	SLC30A1	In 1step		85	25	507	55,25	Homo sapiens
ST6GAL1	tr|B5M450|B5M450_HUMAN	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	In 1step		31	12	1210	135,20	Homo sapiens
ST6GAL1	sp|P31641|SC6A6_HUMAN	Sodium- and chloride-dependent taurine transporter	SLC6A6	In 1step		40	12	620	69,77	Homo sapiens
ST6GAL1	sp|P48067|SC6A9_HUMAN	Sodium- and chloride-dependent glycine transporter 1	SLC6A9	In 1step		7	3	706	78,19	Homo sapiens
ST6GAL1	sp|P30825|CTR1_HUMAN	High affinity cationic amino acid transporter 1	SLC7A1	In 1step		4	2	629	67,58	Homo sapiens
ST6GAL1	sp|Q9UPY5|XCT_HUMAN	Cystine/glutamate transporter	SLC7A11	In 1step		69	13	501	55,37	Homo sapiens
ST6GAL1	sp|Q92536|YLAT2_HUMAN	Y+L amino acid transporter 2	SLC7A6	In 1step		33	8	515	56,77	Homo sapiens
ST6GAL1	sp|Q5DT21|ISK9_HUMAN	Serine protease inhibitor Kazal-type 9	SPINK9	In 1step		7	2	86	9,73	Homo sapiens
ST6GAL1	sp|O43278|SPIT1_HUMAN	Kunitz-type protease inhibitor 1	SPINT1	In 1step		22	7	529	58,34	Homo sapiens
ST6GAL1	sp|Q05519|SRS11_HUMAN	Serine/arginine-rich splicing factor 11	SRSF11	In 1step		4	2	484	53,49	Homo sapiens
ST6GAL1	sp|Q658P3|STEA3_HUMAN	Metalloreductase STEAP3	STEAP3	In 1step		4	2	488	54,55	Homo sapiens
ST6GAL1	sp|Q687X5|STEA4_HUMAN	Metalloreductase STEAP4	STEAP4	In 1step		141	33	459	51,93	Homo sapiens
ST6GAL1	sp|P27105|STOM_HUMAN	Erythrocyte band 7 integral membrane protein	STOM	In 1step		70	20	288	31,69	Homo sapiens
ST6GAL1	sp|Q9BX79|STRA6_HUMAN	Stimulated by retinoic acid gene 6 protein homolog	STRA6	In 1step		37	11	667	73,44	Homo sapiens
ST6GAL1	sp|Q6N022|TEN4_HUMAN	Teneurin-4	TENM4	In 1step		10	2	2769	307,74	Homo sapiens
ST6GAL1	sp|Q03167|TGBR3_HUMAN	Transforming growth factor beta receptor type 3	TGFBR3	In 1step		30	10	851	93,42	Homo sapiens
ST6GAL1	sp|Q9NV96|CC50A_HUMAN	Cell cycle control protein 50A	TMEM30A	In 1step		9	4	361	40,64	Homo sapiens
ST6GAL1	sp|P41273|TNFL9_HUMAN	Tumor necrosis factor ligand superfamily member 9	TNFSF9	In 1step		9	4	254	26,59	Homo sapiens
ST6GAL1	sp|Q96QT4|TRPM7_HUMAN	Transient receptor potential cation channel subfamily M member 7	TRPM7	In 1step		9	5	1865	212,54	Homo sapiens
ST6GAL1	sp|Q9C0H2|TTYH3_HUMAN	Protein tweety homolog 3	TTYH3	In 1step		4	2	523	57,49	Homo sapiens
ST6GAL1	sp|Q06418|TYRO3_HUMAN	Tyrosine-protein kinase receptor TYRO3	TYRO3	In 1step		36	12	890	96,83	Homo sapiens
ST6GAL1	sp|Q9NYU2|UGGG1_HUMAN	UDP-glucose:glycoprotein glucosyltransferase 1	UGGT1	In 1step		7	5	1555	177,06	Homo sapiens
ST6GAL1	sp|P04004|VTNC_HUMAN	Vitronectin	VTN	In 1step		25	4	478	54,25	Homo sapiens
ST6GAL1	sp|O00308|WWP2_HUMAN	NEDD4-like E3 ubiquitin-protein ligase WWP2	WWP2	In 1step		4	2	870	98,83	Homo sapiens
ST6GAL1	sp|O14980|XPO1_HUMAN	Exportin-1	XPO1	In 1step		2	2	1071	123,29	Homo sapiens
ST6GAL1	sp|Q9UBH6|XPR1_HUMAN	Xenotropic and polytropic retrovirus receptor 1	XPR1	In 1step		22	9	696	81,47	Homo sapiens
ST6GAL1	sp|P07355|ANXA2_HUMAN	Annexin A2	ANXA2	In 2step	16		7	339	38,56	Homo sapiens
ST6GAL1	sp|P63010|AP2B1_HUMAN	AP-2 complex subunit beta	AP2B1	In 2step	4		2	937	104,47	Homo sapiens
ST6GAL1	sp|P48444|COPD_HUMAN	Coatomer subunit delta	ARCN1	In 2step	9		4	511	57,16	Homo sapiens
ST6GAL1	sp|P20648|ATP4A_HUMAN	Potassium-transporting ATPase alpha chain 1	ATP4A	In 2step	7		2	1035	114,03	Homo sapiens
ST6GAL1	sp|P40227|TCPZ_HUMAN	T-complex protein 1 subunit zeta	CCT6A	In 2step	21		8	531	57,97	Homo sapiens

ST6GAL1	sp|Q8NE62|CHDH_HUMAN	Choline dehydrogenase, mitochondrial	CHDH	In 2step	11	5	594	65,30	Homo sapiens
ST6GAL1	sp|P55060|XPO2_HUMAN	Exportin-2	CSE1L	In 2step	4	3	971	110,33	Homo sapiens
ST6GAL1	sp|P55884|EIF3B_HUMAN	Eukaryotic translation initiation factor 3 subunit B	EIF3B	In 2step	5	3	814	92,41	Homo sapiens
ST6GAL1	sp|Q5D862|FILA2_HUMAN	Filaggrin-2	FLG2	In 2step	13	4	2391	247,91	Homo sapiens
ST6GAL1	sp|Q10471|GALT2_HUMAN	Polypeptide N-acetylgalactosaminyltransferase 2	GALNT2	In 2step	11	4	571	64,67	Homo sapiens
ST6GAL1	sp|A6NGU5|GGT3_HUMAN	Putative gamma-glutamyltranspeptidase 3	GGT3P	In 2step	9	4	568	61,44	Homo sapiens
ST6GAL1	sp|Q16666|IF16_HUMAN	Gamma-interferon-inducible protein 16	IFI16	In 2step	3	3	785	88,18	Homo sapiens
ST6GAL1	sp|A1L0T0|ILVBL_HUMAN	Acetolactate synthase-like protein	ILVBL	In 2step	3	2	632	67,81	Homo sapiens
ST6GAL1	sp|Q9NZR2|LRP1B_HUMAN	Low-density lipoprotein receptor-related protein 1B	LRP1B	In 2step	7	2	4599	515,14	Homo sapiens
ST6GAL1	tr|A0A023SGA8|A0A023SGA8_HUMAN	Truncated MHC class I polypeptide-related protein A (Fragment)	MICA	In 2step	23	4	308	35,47	Homo sapiens
ST6GAL1	sp|P46013|KI67_HUMAN	Antigen KI-67	MKI67	In 2step	8	6	3256	358,46	Homo sapiens
ST6GAL1	sp|Q8WXI7|MUC16_HUMAN	Mucin-16	MUC16	In 2step	144	29	22152	2363,14	Homo sapiens
ST6GAL1	sp|P30414|NKTR_HUMAN	NK-tumor recognition protein	NKTR	In 2step	3	2	1462	165,56	Homo sapiens
ST6GAL1	sp|P07237|PDIA1_HUMAN	Protein disulfide-isomerase	P4HB	In 2step	5	2	508	57,06	Homo sapiens
ST6GAL1	sp|P12273|PIP_HUMAN	Prolactin-inducible protein	PIP	In 2step	7	3	146	16,54	Homo sapiens
ST6GAL1	sp|Q02809|PLOD1_HUMAN	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	PLOD1	In 2step	4	2	727	83,48	Homo sapiens
ST6GAL1	sp|O00592|PODXL_HUMAN	Podocalyxin	PODXL	In 2step	138	11	558	58,58	Homo sapiens
ST6GAL1	sp|Q01082|SPTB2_HUMAN	Spectrin beta chain, non-erythrocytic 1	SPTBN1	In 2step	11	8	2364	274,42	Homo sapiens
ST6GAL1	sp|Q96SB4|SRPK1_HUMAN	SRSF protein kinase 1	SRPK1	In 2step	3	3	655	74,26	Homo sapiens
ST6GAL1	sp|Q5JTV8|TOIP1_HUMAN	Torsin-1A-interacting protein 1	TOR1AIP1	In 2step	4	2	583	66,19	Homo sapiens
ST6GAL1	sp|O43670|ZN207_HUMAN	BUB3-interacting and GLEBS motif-containing protein ZNF207	ZNF207	In 2step	4	2	478	50,70	Homo sapiens

Table S2. Summary of protein detection in HeLa cells under three different conditions.

Conditions	[2]Total proteins	[2]Cell surface proteins	[2]Proteins commonly detected in A, B, & C	[2]Cell surface proteins commonly detected in A, B, & C	[2]Proteins detected in A & C but not in B	[2]Proteins detected only in A	[3]Detected and downregulated in B by 5 fold or more	[3]Recovered in C by 3 fold or more	[4]Downregulated by 5 fold or more or undetected in B	[4]Recovered to detected or 3 fold or more in C	[5]Changed by less than 25% compared to A in B or C (Static)
(A)0hr	282	255	173	161	29	59	31	11	119	40	11
(B)16hr	219	187									
(C)16hr(+)Ch	244	222									

[2]Table S3
[3]Table S4
[4]Table S5
[5]Table S6

Table S3. Total proteins (negative controls excluded) detected in HeLa cells under three different conditions.

UniProt Accession	Protein	Gene	Cell Surface Proteins	Detection	Total Peptides	NormSC-0hr	NormSC-16hr	NormSC-16hrCh	0hr/0hr	16hr/0hr	16hrCh/0hr	(+)/(-) Chloroquine
P33527	Multidrug resistance-associated protein 1	ABCC1	Cell surface protein	In 0&16&16hr(+)Ch	168	158,67	330	250	1	2,08	1,58	0,76
O15439	Multidrug resistance-associated protein 4	ABCC4	Cell surface protein	In 0&16&16hr(+)Ch	116	70,67	205	161	1	2,90	2,28	0,79
O15440	Multidrug resistance-associated protein 5	ABCC5	Cell surface protein	In 0&16&16hr(+)Ch	32	28,00	22	36	1	0,79	1,29	1,64
O60488	Long-chain-fatty-acid--CoA ligase 4	ACSL4	Cell surface protein	In 0&16&16hr(+)Ch	16	5,33	11	20	1	2,06	3,75	1,82
Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	Cell surface protein	In 0&16&16hr(+)Ch	40	146,67	30	43	1	0,20	0,29	1,43
P78536	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17	Cell surface protein	In 0&16&16hr(+)Ch	24	34,67	18	14	1	0,52	0,40	0,78
O60503	Adenylate cyclase type 9	ADCY9	Cell surface protein	In 0&16&16hr(+)Ch	22	9,33	20	23	1	2,14	2,46	1,15
O00468	Agrin	AGRN	Cell surface protein	In 0&16&16hr(+)Ch	75	345,33	12	16	1	0,03	0,05	1,33
Q8IVF2	Protein AHNAK2	AHNAK2	Cell surface protein	In 0&16&16hr(+)Ch	10	28,00	12	7	1	0,43	0,25	0,58
P02765	Alpha-2-HS-glycoprotein	AHSG	Cell surface protein	In 0&16&16hr(+)Ch	7	14,67	7	5	1	0,48	0,34	0,71
Q13740	CD166 antigen	ALCAM	Cell surface protein	In 0&16&16hr(+)Ch	122	622,67	380	409	1	0,61	0,66	1,08
P15144	Aminopeptidase N	ANPEP	Cell surface protein	In 0&16&16hr(+)Ch	36	49,33	18	53	1	0,36	1,07	2,94
B5ME49	AP-1 complex subunit mu-1	AP1M1	Cell surface protein	In 0&16&16hr(+)Ch	6	18,67	12	13	1	0,64	0,70	1,08
B3KW93	cDNA FLJ42590 fis, clone BRACE3009708, highly similar to Sodium/potassium-transporting ATPase alpha-2chain (EC 3.6.3.9)	ATP1A2	Cell surface protein	In 0&16&16hr(+)Ch	12	18,67	32	32	1	1,71	1,71	1,00
P13637	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3	Cell surface protein	In 0&16&16hr(+)Ch	8	36,00	24	34	1	0,67	0,94	1,42

P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	Cell surface protein	In 0&16&16hr(+) Ch	44	124,00	88	94	1	0,71	0,76	1,07
P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	Cell surface protein	In 0&16&16hr(+) Ch	31	57,33	58	100	1	1,01	1,74	1,72
O75882	Attractin	ATRN	Cell surface protein	In 0&16&16hr(+) Ch	55	178,67	22	92	1	0,12	0,51	4,18
P50895	Basal cell adhesion molecule	BCAM	Cell surface protein	In 0&16&16hr(+) Ch	101	322,67	170	188	1	0,53	0,58	1,11
P35613	Basigin	BSG	Cell surface protein	In 0&16&16hr(+) Ch	73	796,00	584	528	1	0,73	0,66	0,90
Q10589	Bone marrow stromal antigen 2	BST2	Cell surface protein	In 0&16&16hr(+) Ch	12	21,33	4	32	1	0,19	1,50	8,00
Q7KYR7	Butyrophilin subfamily 2 member A1	BTN2A1	Cell surface protein	In 0&16&16hr(+) Ch	41	137,33	65	57	1	0,47	0,42	0,88
P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1	CACNA2D1	Cell surface protein	In 0&16&16hr(+) Ch	90	177,33	141	136	1	0,80	0,77	0,96
Q9BY67	Cell adhesion molecule 1	CADM1	Cell surface protein	In 0&16&16hr(+) Ch	25	70,67	29	50	1	0,41	0,71	1,72
Q8NFZ8	Cell adhesion molecule 4	CADM4	Cell surface protein	In 0&16&16hr(+) Ch	18	38,67	11	22	1	0,28	0,57	2,00
Q03135	Caveolin-1	CAV1	Cell surface protein	In 0&16&16hr(+) Ch	15	34,67	28	32	1	0,81	0,92	1,14
Q6YHK3	CD109 antigen	CD109	Cell surface protein	In 0&16&16hr(+) Ch	111	245,33	89	123	1	0,36	0,50	1,38
P48509	CD151 antigen	CD151	Cell surface protein	In 0&16&16hr(+) Ch	30	72,00	35	66	1	0,49	0,92	1,89
Q5ZPR3	CD276 antigen	CD276	Cell surface protein	In 0&16&16hr(+) Ch	72	648,00	491	451	1	0,76	0,70	0,92
P15529	Membrane cofactor protein	CD46	Cell surface protein	In 0&16&16hr(+) Ch	41	380,00	116	153	1	0,31	0,40	1,32
Q08722	Leukocyte surface antigen CD47	CD47	Cell surface protein	In 0&16&16hr(+) Ch	20	32,00	101	67	1	3,16	2,09	0,66
P19256	Lymphocyte function-associated antigen 3	CD58	Cell surface protein	In 0&16&16hr(+) Ch	9	24,00	20	20	1	0,83	0,83	1,00

P48960	CD97 antigen	CD97	Cell surface protein	In 0&16&16hr(+) Ch	138	745,33	331	385	1	0,44	0,52	1,16
P19022	Cadherin-2	CDH2	Cell surface protein	In 0&16&16hr(+) Ch	81	214,67	110	111	1	0,51	0,52	1,01
P33151	Cadherin-5	CDH5	Cell surface protein	In 0&16&16hr(+) Ch	57	193,33	98	92	1	0,51	0,48	0,94
Q9NYQ6	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	Cell surface protein	In 0&16&16hr(+) Ch	62	202,67	42	30	1	0,21	0,15	0,71
Q9H8M5	Metal transporter CNNM2	CNNM2	Cell surface protein	In 0&16&16hr(+) Ch	79	138,67	69	62	1	0,50	0,45	0,90
Q8NE01	Metal transporter CNNM3	CNNM3	Cell surface protein	In 0&16&16hr(+) Ch	93	149,33	108	97	1	0,72	0,65	0,90
Q6P4Q7	Metal transporter CNNM4	CNNM4	Cell surface protein	In 0&16&16hr(+) Ch	92	122,67	116	105	1	0,95	0,86	0,91
O75131	Copine-3	CPNE3	Cell surface protein	In 0&16&16hr(+) Ch	12	13,33	9	12	1	0,68	0,90	1,33
P15509	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	CSF2RA	Cell surface protein	In 0&16&16hr(+) Ch	15	65,33	10	16	1	0,15	0,24	1,60
Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	Cell surface protein	In 0&16&16hr(+) Ch	388	1629,33	818	853	1	0,50	0,52	1,04
P35221	Catenin alpha-1	CTNNA1	Cell surface protein	In 0&16&16hr(+) Ch	24	45,33	10	15	1	0,22	0,33	1,50
P61073	C-X-C chemokine receptor type 4	CXCR4	Cell surface protein	In 0&16&16hr(+) Ch	47	118,67	38	98	1	0,32	0,83	2,58
Q14118	Dystroglycan	DAG1	Cell surface protein	In 0&16&16hr(+) Ch	64	378,67	158	227	1	0,42	0,60	1,44
Q02487	Desmocollin-2	DSC2	Cell surface protein	In 0&16&16hr(+) Ch	23	46,67	21	25	1	0,45	0,54	1,19
P42892	Endothelin-converting enzyme 1	ECE1	Cell surface protein	In 0&16&16hr(+) Ch	107	496,00	306	290	1	0,62	0,58	0,95
O95672	Endothelin-converting enzyme-like 1	ECEL1	Cell surface protein	In 0&16&16hr(+) Ch	23	54,67	6	19	1	0,11	0,35	3,17
O43854	EGF-like repeat and discoidin I-like domain-containing protein 3	EDIL3	Cell surface protein	In 0&16&16hr(+) Ch	39	106,67	24	45	1	0,23	0,42	1,88

P17813	Endoglin	ENG	Cell surface protein	In 0&16&16hr(+) Ch	111	412,00	137	240	1	0,33	0,58	1,75
P29317	Ephrin type-A receptor 2	EPHA2	Cell surface protein	In 0&16&16hr(+) Ch	69	194,67	8	91	1	0,04	0,47	11,38
P29323	Ephrin type-B receptor 2	EPHB2	Cell surface protein	In 0&16&16hr(+) Ch	24	29,33	21	13	1	0,72	0,44	0,62
P54760	Ephrin type-B receptor 4	EPHB4	Cell surface protein	In 0&16&16hr(+) Ch	134	378,67	222	196	1	0,59	0,52	0,88
P04626	Receptor tyrosine-protein kinase erbB-2	ERBB2	Cell surface protein	In 0&16&16hr(+) Ch	63	148,00	85	81	1	0,57	0,55	0,95
P19440	Gamma-glutamyltranspeptidase 1	GGT1	Cell surface protein	In 0&16&16hr(+) Ch	25	38,67	28	23	1	0,72	0,59	0,82
Q92896	Golgi apparatus protein 1	GLG1	Cell surface protein	In 0&16&16hr(+) Ch	62	237,33	12	52	1	0,05	0,22	4,33
P35052	Glypican-1	GPC1	Cell surface protein	In 0&16&16hr(+) Ch	47	126,67	82	72	1	0,65	0,57	0,88
Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	Cell surface protein	In 0&16&16hr(+) Ch	40	42,67	58	91	1	1,36	2,13	1,57
Q9ULI3	Protein HEG homolog 1	HEG1	Cell surface protein	In 0&16&16hr(+) Ch	26	96,00	12	28	1	0,13	0,29	2,33
P01891	HLA class I histocompatibility antigen, A-68 alpha chain	HLA-A	Cell surface protein	In 0&16&16hr(+) Ch	16	38,67	12	8	1	0,31	0,21	0,67
P05362	Intercellular adhesion molecule 1	ICAM1	Cell surface protein	In 0&16&16hr(+) Ch	186	1037,33	740	754	1	0,71	0,73	1,02
P08069	Insulin-like growth factor 1 receptor	IGF1R	Cell surface protein	In 0&16&16hr(+) Ch	224	796,00	449	436	1	0,56	0,55	0,97
P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	Cell surface protein	In 0&16&16hr(+) Ch	438	2164,00	289	881	1	0,13	0,41	3,05
Q969P0	Immunoglobulin superfamily member 8	IGSF8	Cell surface protein	In 0&16&16hr(+) Ch	33	158,67	24	44	1	0,15	0,28	1,83
Q16891	MICOS complex subunit MIC60	IMMT	Cell surface protein	In 0&16&16hr(+) Ch	24	21,33	14	14	1	0,66	0,66	1,00
P06213	Insulin receptor	INSR	Cell surface protein	In 0&16&16hr(+) Ch	217	738,67	413	369	1	0,56	0,50	0,89

Q8TB96	T-cell immunomodulatory protein	ITFG1	Cell surface protein	In 0&16&16hr(+) Ch	23	53,33	18	38	1	0,34	0,71	2,11
Q9H0X4	Protein ITFG3	ITFG3	Cell surface protein	In 0&16&16hr(+) Ch	42	140,00	60	62	1	0,43	0,44	1,03
P56199	Integrin alpha-1	ITGA1	Cell surface protein	In 0&16&16hr(+) Ch	124	417,33	214	215	1	0,51	0,52	1,00
P26006	Integrin alpha-3	ITGA3	Cell surface protein	In 0&16&16hr(+) Ch	82	285,33	220	195	1	0,77	0,68	0,89
P23229	Integrin alpha-6	ITGA6	Cell surface protein	In 0&16&16hr(+) Ch	117	349,33	204	159	1	0,58	0,46	0,78
P06756	Integrin alpha-V	ITGAV	Cell surface protein	In 0&16&16hr(+) Ch	248	977,33	497	511	1	0,51	0,52	1,03
P16144	Integrin beta-4	ITGB4	Cell surface protein	In 0&16&16hr(+) Ch	136	353,33	192	157	1	0,54	0,44	0,82
P18084	Integrin beta-5	ITGB5	Cell surface protein	In 0&16&16hr(+) Ch	105	341,33	144	155	1	0,42	0,45	1,08
P26012	Integrin beta-8	ITGB8	Cell surface protein	In 0&16&16hr(+) Ch	26	66,67	19	22	1	0,29	0,33	1,16
P14923	Junction plakoglobin	JUP	Cell surface protein	In 0&16&16hr(+) Ch	162	540,00	352	433	1	0,65	0,80	1,23
Q6NSJ0	Uncharacterized family 31 glucosidase KIAA1161	KIAA1161	Cell surface protein	In 0&16&16hr(+) Ch	40	72,00	29	44	1	0,40	0,61	1,52
Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	Cell surface protein	In 0&16&16hr(+) Ch	70	157,33	53	73	1	0,34	0,46	1,38
Q9ULH0	Kinase D-interacting substrate of 220 kDa	KIDINS220	Cell surface protein	In 0&16&16hr(+) Ch	46	80,00	13	40	1	0,16	0,50	3,08
Q96J84	Kin of IRRE-like protein 1	KIRREL	Cell surface protein	In 0&16&16hr(+) Ch	47	182,67	16	50	1	0,09	0,27	3,13
P32004	Neural cell adhesion molecule L1	L1CAM	Cell surface protein	In 0&16&16hr(+) Ch	235	1329,33	683	731	1	0,51	0,55	1,07
O15230	Laminin subunit alpha-5	LAMA5	Cell surface protein	In 0&16&16hr(+) Ch	169	774,67	18	92	1	0,02	0,12	5,11
P11047	Laminin subunit gamma-1	LAMC1	Cell surface protein	In 0&16&16hr(+) Ch	55	222,67	12	28	1	0,05	0,13	2,33

P11279	Lysosome-associated membrane glycoprotein 1	LAMP1	Cell surface protein	In 0&16&16hr(+) Ch	19	40,00	23	40	1	0,58	1,00	1,74
Q9P244	Leucine-rich repeat and fibronectin type III domain-containing protein 1	LRFN1	Cell surface protein	In 0&16&16hr(+) Ch	23	46,67	11	12	1	0,24	0,26	1,09
Q6PJG9	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	LRFN4	Cell surface protein	In 0&16&16hr(+) Ch	26	61,33	12	22	1	0,20	0,36	1,83
Q07954	Prolow-density lipoprotein receptor-related protein 1	LRP1	Cell surface protein	In 0&16&16hr(+) Ch	103	502,67	27	11	1	0,05	0,02	0,41
B7ZLD0	LRP6 protein	LRP6	Cell surface protein	In 0&16&16hr(+) Ch	38	152,00	14	12	1	0,09	0,08	0,86
Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	Cell surface protein	In 0&16&16hr(+) Ch	207	461,33	302	313	1	0,65	0,68	1,04
Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	Cell surface protein	In 0&16&16hr(+) Ch	49	57,33	35	47	1	0,61	0,82	1,34
Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	Cell surface protein	In 0&16&16hr(+) Ch	93	93,33	86	76	1	0,92	0,81	0,88
Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	Cell surface protein	In 0&16&16hr(+) Ch	92	137,33	86	85	1	0,63	0,62	0,99
P43121	Cell surface glycoprotein MUC18	MCAM	Cell surface protein	In 0&16&16hr(+) Ch	259	858,67	1395	1576	1	1,62	1,84	1,13
Q9H1U4	Multiple epidermal growth factor-like domains protein 9	MEGF9	Cell surface protein	In 0&16&16hr(+) Ch	23	74,67	14	22	1	0,19	0,29	1,57
P08582	Melanotransferrin	MFI2	Cell surface protein	In 0&16&16hr(+) Ch	14	5,33	10	13	1	1,88	2,44	1,30
O60291	E3 ubiquitin-protein ligase MGRN1	MGRN1	Cell surface protein	In 0&16&16hr(+) Ch	18	60,00	11	32	1	0,18	0,53	2,91
P15941	Mucin-1	MUC1	Cell surface protein	In 0&16&16hr(+) Ch	6	20,00	17	21	1	0,85	1,05	1,24
Q68D85	Natural cytotoxicity triggering receptor 3 ligand 1	NCR3LG1	Cell surface protein	In 0&16&16hr(+) Ch	35	106,67	29	32	1	0,27	0,30	1,10
Q92542	Nicastrin	NCSTN	Cell surface protein	In 0&16&16hr(+) Ch	71	282,67	206	226	1	0,73	0,80	1,10
Q92859	Neogenin	NEO1	Cell surface protein	In 0&16&16hr(+) Ch	29	92,00	3	15	1	0,03	0,16	5,00

Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	Cell surface protein	In 0&16&16hr(+) Ch	112	466,67	40	95	1	0,09	0,20	2,38
P16066	Atrial natriuretic peptide receptor 1	NPR1	Cell surface protein	In 0&16&16hr(+) Ch	58	121,33	42	40	1	0,35	0,33	0,95
P17342	Atrial natriuretic peptide receptor 3	NPR3	Cell surface protein	In 0&16&16hr(+) Ch	27	105,33	15	20	1	0,14	0,19	1,33
Q9Y639	Neuroplastin	NPTN	Cell surface protein	In 0&16&16hr(+) Ch	50	165,33	156	126	1	0,94	0,76	0,81
Q92823	Neuronal cell adhesion molecule	NRCAM	Cell surface protein	In 0&16&16hr(+) Ch	22	42,67	10	6	1	0,23	0,14	0,60
O14786	Neuropilin-1	NRP1	Cell surface protein	In 0&16&16hr(+) Ch	70	277,33	27	33	1	0,10	0,12	1,22
O60245	Protocadherin-7	PCDH7	Cell surface protein	In 0&16&16hr(+) Ch	116	384,00	177	194	1	0,46	0,51	1,10
O00541	Pescadillo homolog	PES1	Cell surface protein	In 0&16&16hr(+) Ch	12	20,00	8	6	1	0,40	0,30	0,75
Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	Cell surface protein	In 0&16&16hr(+) Ch	83	196,00	149	147	1	0,76	0,75	0,99
Q9H5I5	Piezo-type mechanosensitive ion channel component 2	PIEZO2	Cell surface protein	In 0&16&16hr(+) Ch	47	50,67	32	47	1	0,63	0,93	1,47
Q9UIW2	Plexin-A1	PLXNA1	Cell surface protein	In 0&16&16hr(+) Ch	182	690,67	323	268	1	0,47	0,39	0,83
O75051	Plexin-A2	PLXNA2	Cell surface protein	In 0&16&16hr(+) Ch	14	25,33	8	5	1	0,32	0,20	0,63
O43157	Plexin-B1	PLXNB1	Cell surface protein	In 0&16&16hr(+) Ch	100	189,33	129	108	1	0,68	0,57	0,84
O15031	Plexin-B2	PLXNB2	Cell surface protein	In 0&16&16hr(+) Ch	290	1450,67	677	578	1	0,47	0,40	0,85
Q9Y4D7	Plexin-D1	PLXND1	Cell surface protein	In 0&16&16hr(+) Ch	86	284,00	117	102	1	0,41	0,36	0,87
P0CW18	Serine protease 56	PRSS56	Cell surface protein	In 0&16&16hr(+) Ch	25	80,00	19	15	1	0,24	0,19	0,79
Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	Cell surface protein	In 0&16&16hr(+) Ch	58	173,33	103	119	1	0,59	0,69	1,16

Q13308	Inactive tyrosine-protein kinase 7	PTK7	Cell surface protein	In 0&16&16hr(+) Ch	29	41,33	22	17	1	0,53	0,41	0,77
Q9P035	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	PTPLAD1	Cell surface protein	In 0&16&16hr(+) Ch	16	26,67	8	9	1	0,30	0,34	1,13
P18433	Receptor-type tyrosine-protein phosphatase alpha	PTPRA	Cell surface protein	In 0&16&16hr(+) Ch	87	254,67	166	121	1	0,65	0,48	0,73
P23470	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	Cell surface protein	In 0&16&16hr(+) Ch	88	298,67	116	98	1	0,39	0,33	0,84
Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	Cell surface protein	In 0&16&16hr(+) Ch	110	406,67	162	178	1	0,40	0,44	1,10
E9PGC5	Receptor-type tyrosine-protein phosphatase kappa	PTPRK	Cell surface protein	In 0&16&16hr(+) Ch	54	208,00	32	36	1	0,15	0,17	1,13
P15151	Poliovirus receptor	PVR	Cell surface protein	In 0&16&16hr(+) Ch	67	492,00	312	263	1	0,63	0,53	0,84
Q92692	Nectin-2	PVRL2	Cell surface protein	In 0&16&16hr(+) Ch	29	89,33	42	60	1	0,47	0,67	1,43
Q9NQS3	Nectin-3	PVRL3	Cell surface protein	In 0&16&16hr(+) Ch	23	45,33	8	14	1	0,18	0,31	1,75
Q9Y6N7	Roundabout homolog 1	ROBO1	Cell surface protein	In 0&16&16hr(+) Ch	255	1214,67	627	408	1	0,52	0,34	0,65
Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	Cell surface protein	In 0&16&16hr(+) Ch	91	258,67	143	128	1	0,55	0,49	0,90
Q86UN3	Reticulon-4 receptor-like 2	RTN4RL2	Cell surface protein	In 0&16&16hr(+) Ch	28	106,67	32	42	1	0,30	0,39	1,31
A0A024RBS4	Scavenger receptor class B, member 1, isoform CRA_b	SCARB1	Cell surface protein	In 0&16&16hr(+) Ch	52	272,00	101	61	1	0,37	0,22	0,60
P78324	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	Cell surface protein	In 0&16&16hr(+) Ch	16	52,00	9	19	1	0,17	0,37	2,11
P55011	Solute carrier family 12 member 2	SLC12A2	Cell surface protein	In 0&16&16hr(+) Ch	74	60,00	99	88	1	1,65	1,47	0,89
Q9Y666	Solute carrier family 12 member 7	SLC12A7	Cell surface protein	In 0&16&16hr(+) Ch	162	285,33	400	340	1	1,40	1,19	0,85
Q99808	Equilibrative nucleoside transporter 1	SLC29A1	Cell surface protein	In 0&16&16hr(+) Ch	12	10,67	17	19	1	1,59	1,78	1,12

P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	Cell surface protein	In 0&16&16hr(+) Ch	29	45,33	47	58	1	1,04	1,28	1,23
Q9Y6M5	Zinc transporter 1	SLC30A1	Cell surface protein	In 0&16&16hr(+) Ch	90	113,33	159	141	1	1,40	1,24	0,89
Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	Cell surface protein	In 0&16&16hr(+) Ch	65	130,67	87	148	1	0,67	1,13	1,70
Q9ULF5	Zinc transporter ZIP10	SLC39A10	Cell surface protein	In 0&16&16hr(+) Ch	31	160,00	40	37	1	0,25	0,23	0,93
Q15043	Zinc transporter ZIP14	SLC39A14	Cell surface protein	In 0&16&16hr(+) Ch	45	201,33	75	123	1	0,37	0,61	1,64
Q13433	Zinc transporter ZIP6	SLC39A6	Cell surface protein	In 0&16&16hr(+) Ch	31	85,33	32	29	1	0,38	0,34	0,91
A0A024R798	Solute carrier family 44, member 2, isoform CRA_b	SLC44A2	Cell surface protein	In 0&16&16hr(+) Ch	43	92,00	49	52	1	0,53	0,57	1,06
P04920	Anion exchange protein 2	SLC4A2	Cell surface protein	In 0&16&16hr(+) Ch	108	238,67	155	251	1	0,65	1,05	1,62
B5M450	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	Cell surface protein	In 0&16&16hr(+) Ch	32	41,33	41	34	1	0,99	0,82	0,83
P31641	Sodium- and chloride-dependent taurine transporter	SLC6A6	Cell surface protein	In 0&16&16hr(+) Ch	42	53,33	40	74	1	0,75	1,39	1,85
P48067	Sodium- and chloride-dependent glycine transporter 1	SLC6A9	Cell surface protein	In 0&16&16hr(+) Ch	12	9,33	15	14	1	1,61	1,50	0,93
P30825	High affinity cationic amino acid transporter 1	SLC7A1	Cell surface protein	In 0&16&16hr(+) Ch	10	5,33	6	17	1	1,13	3,19	2,83
Q9UPY5	Cystine/glutamate transporter	SLC7A11	Cell surface protein	In 0&16&16hr(+) Ch	40	92,00	52	73	1	0,57	0,79	1,40
Q92536	Y+L amino acid transporter 2	SLC7A6	Cell surface protein	In 0&16&16hr(+) Ch	28	44,00	28	44	1	0,64	1,00	1,57
Q92485	Acid sphingomyelinase-like phosphodiesterase 3b	SMPDL3B	Cell surface protein	In 0&16&16hr(+) Ch	22	74,67	36	46	1	0,48	0,62	1,28
Q96PQ0	VPS10 domain-containing receptor SorCS2	SORCS2	Cell surface protein	In 0&16&16hr(+) Ch	50	102,67	25	51	1	0,24	0,50	2,04
Q13501	Sequestosome-1	SQSTM1	Cell surface protein	In 0&16&16hr(+) Ch	12	14,67	16	14	1	1,09	0,95	0,88

Q687X5	Metalloreductase STEAP4	STEAP4	Cell surface protein	In 0&16&16hr(+)Ch	102	188,00	232	215	1	1,23	1,14	0,93
P27105	Erythrocyte band 7 integral membrane protein	STOM	Cell surface protein	In 0&16&16hr(+)Ch	46	93,33	21	74	1	0,23	0,79	3,52
Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	Cell surface protein	In 0&16&16hr(+)Ch	26	49,33	21	22	1	0,43	0,45	1,05
Q9P273	Teneurin-3	TENM3	Cell surface protein	In 0&16&16hr(+)Ch	194	505,33	172	197	1	0,34	0,39	1,15
P07996	Thrombospondin-1	THBS1	Cell surface protein	In 0&16&16hr(+)Ch	43	133,33	13	18	1	0,10	0,14	1,38
Q9UHN6	Transmembrane protein 2	TMEM2	Cell surface protein	In 0&16&16hr(+)Ch	233	898,67	343	382	1	0,38	0,43	1,11
Q9NV96	Cell cycle control protein 50A	TMEM30A	Cell surface protein	In 0&16&16hr(+)Ch	13	12,00	6	19	1	0,50	1,58	3,17
Q13641	Trophoblast glycoprotein	TPBG	Cell surface protein	In 0&16&16hr(+)Ch	15	42,67	2	22	1	0,05	0,52	11,00
Q6EMK4	Vasorin	VASN	Cell surface protein	In 0&16&16hr(+)Ch	36	149,33	42	61	1	0,28	0,41	1,45
P04004	Vitronectin	VTN	Cell surface protein	In 0&16&16hr(+)Ch	17	33,33	30	24	1	0,90	0,72	0,80
Q9NRU3	Metal transporter CNNM1	CNNM1	Cell surface protein	In 0&16hr	4	4,00	8		1	2,00	0,00	0,00
Q7L8L6	FAST kinase domain-containing protein 5	FASTKD5	Cell surface protein	In 0&16hr	6	8,00	6		1	0,75	0,00	0,00
Q9NPH3	Interleukin-1 receptor accessory protein	IL1RAP	Cell surface protein	In 0&16hr	20	54,67	9		1	0,16	0,00	0,00
Q9UBG0	C-type mannose receptor 2	MRC2	Cell surface protein	In 0&16hr	31	101,33	23		1	0,23	0,00	0,00
Q969V3	Nicalin	NCLN	Cell surface protein	In 0&16hr	9	29,33	12		1	0,41	0,00	0,00
O75691	Small subunit processome component 20 homolog	UTP20	Cell surface protein	In 0&16hr	11	24,00	4		1	0,17	0,00	0,00
Q9NP58	ATP-binding cassette sub-family B member 6	ABCB6	Cell surface protein	In 0&16hr(+)Ch	11	6,67		17	1	0,00	2,55	

Q9NPF0	CD320 antigen	CD320	Cell surface protein	In 0&16hr(+)Ch	5	26,67		9	1	0,00	0,34	
O75976	Carboxypeptidase D	CPD	Cell surface protein	In 0&16hr(+)Ch	34	88,00		22	1	0,00	0,25	
P14384	Carboxypeptidase M	CPM	Cell surface protein	In 0&16hr(+)Ch	4	9,33		5	1	0,00	0,54	
Q16832	Discoidin domain-containing receptor 2	DDR2	Cell surface protein	In 0&16hr(+)Ch	23	102,67		7	1	0,00	0,07	
Q14574	Desmocollin-3	DSC3	Cell surface protein	In 0&16hr(+)Ch	10	33,33		4	1	0,00	0,12	
Q9BSJ8	Extended synaptotagmin-1	ESYT1	Cell surface protein	In 0&16hr(+)Ch	5	4,00		4	1	0,00	1,00	
Q14517	Protocadherin Fat 1	FAT1	Cell surface protein	In 0&16hr(+)Ch	77	258,67		17	1	0,00	0,07	
P15586	N-acetylglucosamine-6-sulfatase	GNS	Cell surface protein	In 0&16hr(+)Ch	12	28,00		10	1	0,00	0,36	
Q9Y653	G-protein coupled receptor 56	GPR56	Cell surface protein	In 0&16hr(+)Ch	12	28,00		8	1	0,00	0,29	
O75144	ICOS ligand	ICOSLG	Cell surface protein	In 0&16hr(+)Ch	5	12,00		5	1	0,00	0,42	
O75054	Immunoglobulin superfamily member 3	IGSF3	Cell surface protein	In 0&16hr(+)Ch	21	52,00		11	1	0,00	0,21	
Q96J02	E3 ubiquitin-protein ligase Itchy homolog	ITCH	Cell surface protein	In 0&16hr(+)Ch	9	6,67		13	1	0,00	1,95	
P07942	Laminin subunit beta-1	LAMB1	Cell surface protein	In 0&16hr(+)Ch	40	169,33		17	1	0,00	0,10	
P01130	Low-density lipoprotein receptor	LDLR	Cell surface protein	In 0&16hr(+)Ch	61	185,33		185	1	0,00	1,00	
Q9BXB1	Leucine-rich repeat-containing G-protein coupled receptor 4	LGR4	Cell surface protein	In 0&16hr(+)Ch	15	18,67		15	1	0,00	0,80	
P42702	Leukemia inhibitory factor receptor	LIFR	Cell surface protein	In 0&16hr(+)Ch	17	44,00		14	1	0,00	0,32	
Q14114	Low-density lipoprotein receptor-related protein 8	LRP8	Cell surface protein	In 0&16hr(+)Ch	10	20,00		5	1	0,00	0,25	

Q99650	Oncostatin-M-specific receptor subunit beta	OSMR	Cell surface protein	In 0&16hr(+)Ch	16	21,33		19	1	0,00	0,89	
Q9H6A9	Pecanex-like protein 3	PCNXL3	Cell surface protein	In 0&16hr(+)Ch	18	41,33		8	1	0,00	0,19	
Q8IV08	Phospholipase D3	PLD3	Cell surface protein	In 0&16hr(+)Ch	8	8,00		10	1	0,00	1,25	
O00469	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	PLOD2	Cell surface protein	In 0&16hr(+)Ch	12	17,33		16	1	0,00	0,92	
Q9NZ53	Podocalyxin-like protein 2	PODXL2	Cell surface protein	In 0&16hr(+)Ch	4	13,33		2	1	0,00	0,15	
Q15223	Nectin-1	PVRL1	Cell surface protein	In 0&16hr(+)Ch	8	13,33		11	1	0,00	0,83	
Q658P3	Metalloreductase STEAP3	STEAP3	Cell surface protein	In 0&16hr(+)Ch	5	5,33		6	1	0,00	1,13	
Q6N022	Teneurin-4	TENM4	Cell surface protein	In 0&16hr(+)Ch	5	13,33		6	1	0,00	0,45	
Q24JP5	Transmembrane protein 132A	TMEM132A	Cell surface protein	In 0&16hr(+)Ch	24	100,00		15	1	0,00	0,15	
P41273	Tumor necrosis factor ligand superfamily member 9	TNFSF9	Cell surface protein	In 0&16hr(+)Ch	8	12,00		8	1	0,00	0,67	
Q9UBH6	Xenotropic and polytropic retrovirus receptor 1	XPR1	Cell surface protein	In 0&16hr(+)Ch	15	29,33		13	1	0,00	0,44	
Q9BZC7	ATP-binding cassette sub-family A member 2	ABCA2	Cell surface protein	In 0hr	15	49,33			1	0,00	0,00	
P28288	ATP-binding cassette sub-family D member 3	ABCD3	Cell surface protein	In 0hr	5	10,67			1	0,00	0,00	
Q04771	Activin receptor type-1	ACVR1	Cell surface protein	In 0hr	3	6,67			1	0,00	0,00	
O14672	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10	Cell surface protein	In 0hr	10	38,67			1	0,00	0,00	
Q13443	Disintegrin and metalloproteinase domain-containing protein 9	ADAM9	Cell surface protein	In 0hr	13	42,67			1	0,00	0,00	
P10696	Alkaline phosphatase, placental-like	ALPPL2	Cell surface protein	In 0hr	2	10,67			1	0,00	0,00	

Q9HCJ1	Progressive ankylosis protein homolog	ANKH	Cell surface protein	In 0hr	10	41,33			1	0,00	0,00	
Q9H6X2	Anthrax toxin receptor 1	ANTXR1	Cell surface protein	In 0hr	6	21,33			1	0,00	0,00	
P08133	Annexin A6	ANXA6	Cell surface protein	In 0hr	7	21,33			1	0,00	0,00	
O94973	AP-2 complex subunit alpha-2	AP2A2	Cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
P30530	Tyrosine-protein kinase receptor UFO	AXL	Cell surface protein	In 0hr	16	60,00			1	0,00	0,00	
Q9Y5Z0	Beta-secretase 2	BACE2	Cell surface protein	In 0hr	6	22,67			1	0,00	0,00	
Q5VU97	VWFA and cache domain-containing protein 1	CACHD1	Cell surface protein	In 0hr	15	50,67			1	0,00	0,00	
Q9HCU4	Cadherin EGF LAG seven-pass G-type receptor 2	CELSR2	Cell surface protein	In 0hr	20	86,67			1	0,00	0,00	
Q07065	Cytoskeleton-associated protein 4	CKAP4	Cell surface protein	In 0hr	2	4,00			1	0,00	0,00	
Q99715	Collagen alpha-1(XII) chain	COL12A1	Cell surface protein	In 0hr	67	260,00			1	0,00	0,00	
Q08345	Epithelial discoidin domain-containing receptor 1	DDR1	Cell surface protein	In 0hr	6	12,00			1	0,00	0,00	
Q08554	Desmocollin-1	DSC1	Cell surface protein	In 0hr	4	22,67			1	0,00	0,00	
Q9UHX3	EGF-like module-containing mucin-like hormone receptor-like 2	EMR2	Cell surface protein	In 0hr	2	8,00			1	0,00	0,00	
P54753	Ephrin type-B receptor 3	EPHB3	Cell surface protein	In 0hr	2	6,67			1	0,00	0,00	
Q6V0I7	Protocadherin Fat 4	FAT4	Cell surface protein	In 0hr	15	42,67			1	0,00	0,00	
P35555	Fibrillin-1	FBN1	Cell surface protein	In 0hr	6	22,67			1	0,00	0,00	
P21802	Fibroblast growth factor receptor 2	FGFR2	Cell surface protein	In 0hr	10	32,00			1	0,00	0,00	

P20930	Filaggrin	FLG	Cell surface protein	In 0hr	3	10,67			1	0,00	0,00	
P06241	Tyrosine-protein kinase Fyn	FYN	Cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
Q14332	Frizzled-2	FZD2	Cell surface protein	In 0hr	5	18,67			1	0,00	0,00	
Q10472	Polypeptide N-acetylgalactosaminyltransferase 1	GALNT1	Cell surface protein	In 0hr	4	13,33			1	0,00	0,00	
P16278	Beta-galactosidase	GLB1	Cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
O00461	Golgi integral membrane protein 4	GOLIM4	Cell surface protein	In 0hr	5	18,67			1	0,00	0,00	
Q8IWK6	Probable G-protein coupled receptor 125	GPR125	Cell surface protein	In 0hr	8	22,67			1	0,00	0,00	
Q9UMF0	Intercellular adhesion molecule 5	ICAM5	Cell surface protein	In 0hr	8	16,00			1	0,00	0,00	
P17181	Interferon alpha/beta receptor 1	IFNAR1	Cell surface protein	In 0hr	6	25,33			1	0,00	0,00	
P40189	Interleukin-6 receptor subunit beta	IL6ST	Cell surface protein	In 0hr	5	10,67			1	0,00	0,00	
Q9Y219	Protein jagged-2	JAG2	Cell surface protein	In 0hr	6	20,00			1	0,00	0,00	
P24043	Laminin subunit alpha-2	LAMA2	Cell surface protein	In 0hr	4	12,00			1	0,00	0,00	
Q96JA1	Leucine-rich repeats and immunoglobulin-like domains protein 1	LRIG1	Cell surface protein	In 0hr	6	16,00			1	0,00	0,00	
O75197	Low-density lipoprotein receptor-related protein 5	LRP5	Cell surface protein	In 0hr	13	49,33			1	0,00	0,00	
O95274	Ly6/PLAUR domain-containing protein 3	LYPD3	Cell surface protein	In 0hr	5	36,00			1	0,00	0,00	
P55082	Microfibril-associated glycoprotein 3	MFAP3	Cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
Q8NFZ4	Neuroligin-2	NLGN2	Cell surface protein	In 0hr	4	9,33			1	0,00	0,00	

P46531	Neurogenic locus notch homolog protein 1	NOTCH1	Cell surface protein	In 0hr	17	64,00			1	0,00	0,00	
O60462	Neuropilin-2	NRP2	Cell surface protein	In 0hr	5	13,33			1	0,00	0,00	
P07602	Prosaposin	PSAP	Cell surface protein	In 0hr	9	40,00			1	0,00	0,00	
Q92626	Peroxidasin homolog	PXDN	Cell surface protein	In 0hr	5	12,00			1	0,00	0,00	
Q6ZRP7	Sulfhydryl oxidase 2	QSOX2	Cell surface protein	In 0hr	17	80,00			1	0,00	0,00	
P61026	Ras-related protein Rab-10	RAB10	Cell surface protein	In 0hr	5	20,00			1	0,00	0,00	
Q5JTH9	RRP12-like protein	RRP12	Cell surface protein	In 0hr	4	10,67			1	0,00	0,00	
P34925	Tyrosine-protein kinase RYK	RYK	Cell surface protein	In 0hr	4	14,67			1	0,00	0,00	
Q6UWP8	Suprabasin	SBSN	Cell surface protein	In 0hr	2	4,00			1	0,00	0,00	
Q9C0C4	Semaphorin-4C	SEMA4C	Cell surface protein	In 0hr	3	5,33			1	0,00	0,00	
Q8NFY4	Semaphorin-6D	SEMA6D	Cell surface protein	In 0hr	6	20,00			1	0,00	0,00	
B3KNK2	cDNA FLJ14770 fis, clone NT2RP3004207, highly similar to Homo sapiens seizure related 6 homolog (mouse)-like 2 (SEZ6L2), transcript variant 1, mRNA	SEZ6L2	Cell surface protein	In 0hr	6	18,67			1	0,00	0,00	
Q5DT21	Serine protease inhibitor Kazal-type 9	SPINK9	Cell surface protein	In 0hr	2	9,33			1	0,00	0,00	
O43278	Kunitz-type protease inhibitor 1	SPINT1	Cell surface protein	In 0hr	7	29,33			1	0,00	0,00	
Q03167	Transforming growth factor beta receptor type 3	TGFBR3	Cell surface protein	In 0hr	10	40,00			1	0,00	0,00	
Q96QT4	Transient receptor potential cation channel subfamily M member 7	TRPM7	Cell surface protein	In 0hr	5	12,00			1	0,00	0,00	
Q9C0H2	Protein tweety homolog 3	TTYH3	Cell surface protein	In 0hr	2	5,33			1	0,00	0,00	

Q06418	Tyrosine-protein kinase receptor TYRO3	TYRO3	Cell surface protein	In 0hr	12	48,00			1	0,00	0,00	
Q9NYU2	UDP-glucose:glycoprotein glucosyltransferase 1	UGGT1	Cell surface protein	In 0hr	5	9,33			1	0,00	0,00	
O60266	Adenylate cyclase type 3	ADCY3	Cell surface protein	In 16&16hr(+)Ch	10		13	8				0,62
Q4KMQ2	Anoctamin-6	ANO6	Cell surface protein	In 16&16hr(+)Ch	52		80	46				0,58
Q9Y5Y0	Feline leukemia virus subgroup C receptor-related protein 1	FLVCR1	Cell surface protein	In 16&16hr(+)Ch	17		24	26				1,08
Q99102	Mucin-4	MUC4	Cell surface protein	In 16&16hr(+)Ch	4		5	6				1,20
O14828	Secretory carrier-associated membrane protein 3	SCAMP3	Cell surface protein	In 16&16hr(+)Ch	12		8	19				2,38
P41440	Folate transporter 1	SLC19A1	Cell surface protein	In 16&16hr(+)Ch	7		9	12				1,33
P43007	Neutral amino acid transporter A	SLC1A4	Cell surface protein	In 16&16hr(+)Ch	9		10	12				1,20
Q5T4S7	E3 ubiquitin-protein ligase UBR4	UBR4	Cell surface protein	In 16&16hr(+)Ch	14		17	8				0,47
Q9NUQ8	ATP-binding cassette sub-family F member 3	ABCF3	Cell surface protein	In 16hr	4		7					
P63010	AP-2 complex subunit beta	AP2B1	Cell surface protein	In 16hr	3		5					
Q13733	Sodium/potassium-transporting ATPase subunit alpha-4	ATP1A4	Cell surface protein	In 16hr	3		8					
P23634	Plasma membrane calcium-transporting ATPase 4	ATP2B4	Cell surface protein	In 16hr	2		2					
P35556	Fibrillin-2	FBN2	Cell surface protein	In 16hr	5		21					
Q7Z2K8	G protein-regulated inducer of neurite outgrowth 1	GPRIN1	Cell surface protein	In 16hr	2		10					
Q7Z3J3	RanBP2-like and GRIP domain-containing protein 4	RGPD4	Cell surface protein	In 16hr	3		4					

Q9NQC3	Reticulon-4	RTN4	Cell surface protein	In 16hr	2		5					
Q9NY46	Sodium channel protein type 3 subunit alpha	SCN3A	Cell surface protein	In 16hr	2		16					
O95347	Structural maintenance of chromosomes protein 2	SMC2	Cell surface protein	In 16hr	2		3					
Q8WXH0	Nesprin-2	SYNE2	Cell surface protein	In 16hr	5		6					
Q92973	Transportin-1	TNPO1	Cell surface protein	In 16hr	2		6					
Q9UNQ0	ATP-binding cassette sub-family G member 2	ABCG2	Cell surface protein	In 16hr(+)Ch	4			6				
Q9H7F0	Probable cation-transporting ATPase 13A3	ATP13A3	Cell surface protein	In 16hr(+)Ch	3			7				
Q93050	V-type proton ATPase 116 kDa subunit a isoform 1	ATP6V0A1	Cell surface protein	In 16hr(+)Ch	2			6				
Q9P265	Disco-interacting protein 2 homolog B	DIP2B	Cell surface protein	In 16hr(+)Ch	14			38				
Q9H223	EH domain-containing protein 4	EHD4	Cell surface protein	In 16hr(+)Ch	5			10				
P23458	Tyrosine-protein kinase JAK1	JAK1	Cell surface protein	In 16hr(+)Ch	20			37				
Q86X29	Lipolysis-stimulated lipoprotein receptor	LSR	Cell surface protein	In 16hr(+)Ch	2			8				
Q9NS15	Latent-transforming growth factor beta-binding protein 3	LTBP3	Cell surface protein	In 16hr(+)Ch	2			4				
A0A023SGA8	Truncated MHC class I polypeptide-related protein A (Fragment)	MICA	Cell surface protein	In 16hr(+)Ch	4			27				
O95297	Myelin protein zero-like protein 1	MPZL1	Cell surface protein	In 16hr(+)Ch	2			7				
Q93086	P2X purinoceptor 5	P2RX5	Cell surface protein	In 16hr(+)Ch	2			5				
Q6S8J3	POTE ankyrin domain family member E	POTEE	Cell surface protein	In 16hr(+)Ch	2			2				

A5A3E0	POTE ankyrin domain family member F	POTEF	Cell surface protein	In 16hr(+)Ch	3			3				
P46060	Ran GTPase-activating protein 1	RANGAP1	Cell surface protein	In 16hr(+)Ch	2			4				
Q8NC42	E3 ubiquitin-protein ligase RNF149	RNF149	Cell surface protein	In 16hr(+)Ch	4			12				
O00767	Acyl-CoA desaturase	SCD	Cell surface protein	In 16hr(+)Ch	2			8				
Q9NRX5	Serine incorporator 1	SERINC1	Cell surface protein	In 16hr(+)Ch	2			3				
Q9UP95	Solute carrier family 12 member 4	SLC12A4	Cell surface protein	In 16hr(+)Ch	2			3				
Q8N370	Large neutral amino acids transporter small subunit 4	SLC43A2	Cell surface protein	In 16hr(+)Ch	16			56				
Q9Y289	Sodium-dependent multivitamin transporter	SLC5A6	Cell surface protein	In 16hr(+)Ch	4			10				
P52569	Low affinity cationic amino acid transporter 2	SLC7A2	Cell surface protein	In 16hr(+)Ch	6			13				
Q8MH63	Putative L-type amino acid transporter 1-like protein MLAS	SLC7A5P1	Cell surface protein	In 16hr(+)Ch	2			2				
Q9NZ01	Very-long-chain enoyl-CoA reductase	TECR	Cell surface protein	In 16hr(+)Ch	2			7				
P57088	Transmembrane protein 33	TMEM33	Cell surface protein	In 16hr(+)Ch	3			16				
P35222	Catenin beta-1	CTNNB1	Non-cell surface protein	In 0&16&16hr(+)Ch	91	265,33	153	152	1	0,58	0,57	0,99
P43304	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPD2	Non-cell surface protein	In 0&16&16hr(+)Ch	38	49,33	20	26	1	0,41	0,53	1,30
Q9P1T7	MyoD family inhibitor domain-containing protein	MDFIC	Non-cell surface protein	In 0&16&16hr(+)Ch	9	10,67	6	5	1	0,56	0,47	0,83
P21589	5'-nucleotidase	NT5E	Non-cell surface protein	In 0&16&16hr(+)Ch	33	65,33	30	31	1	0,46	0,47	1,03
P40429	60S ribosomal protein L13a	RPL13A	Non-cell surface protein	In 0&16&16hr(+)Ch	22	40,00	7	12	1	0,18	0,30	1,71

P61313	60S ribosomal protein L15	RPL15	Non-cell surface protein	In 0&16&16hr(+)Ch	13	29,33	17	18	1	0,58	0,61	1,06
P62280	40S ribosomal protein S11	RPS11	Non-cell surface protein	In 0&16&16hr(+)Ch	32	30,67	34	37	1	1,11	1,21	1,09
P15880	40S ribosomal protein S2	RPS2	Non-cell surface protein	In 0&16&16hr(+)Ch	54	77,33	65	55	1	0,84	0,71	0,85
P62266	40S ribosomal protein S23	RPS23	Non-cell surface protein	In 0&16&16hr(+)Ch	25	26,67	27	25	1	1,01	0,94	0,93
P62753	40S ribosomal protein S6	RPS6	Non-cell surface protein	In 0&16&16hr(+)Ch	16	33,33	26	10	1	0,78	0,30	0,38
P46781	40S ribosomal protein S9	RPS9	Non-cell surface protein	In 0&16&16hr(+)Ch	30	33,33	37	24	1	1,11	0,72	0,65
Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	Non-cell surface protein	In 0&16&16hr(+)Ch	50	82,67	91	94	1	1,10	1,14	1,03
P55265	Double-stranded RNA-specific adenosine deaminase	ADAR	Non-cell surface protein	In 0&16hr	6	5,33	6		1	1,13	0,00	0,00
Q9NVH1	DnaJ homolog subfamily C member 11	DNAJC11	Non-cell surface protein	In 0&16hr	8	18,67	6		1	0,32	0,00	0,00
P39023	60S ribosomal protein L3	RPL3	Non-cell surface protein	In 0&16hr	10	25,33	5		1	0,20	0,00	0,00
O75533	Splicing factor 3B subunit 1	SF3B1	Non-cell surface protein	In 0&16hr(+)Ch	9	18,67		7	1	0,00	0,38	
Q9NZB2	Constitutive coactivator of PPAR-gamma-like protein 1	FAM120A	Non-cell surface protein	In 16&16hr(+)Ch	15		20	14				0,70
Q7Z6Z7	E3 ubiquitin-protein ligase HUWE1	HUWE1	Non-cell surface protein	In 16&16hr(+)Ch	11		10	9				0,90
Q02543	60S ribosomal protein L18a	RPL18A	Non-cell surface protein	In 16&16hr(+)Ch	8		15	11				0,73
P46779	60S ribosomal protein L28	RPL28	Non-cell surface protein	In 16&16hr(+)Ch	9		15	8				0,53
P42677	40S ribosomal protein S27	RPS27	Non-cell surface protein	In 16&16hr(+)Ch	4		5	8				1,60
O60701	UDP-glucose 6-dehydrogenase	UGDH	Non-cell surface protein	In 16&16hr(+)Ch	9		12	5				0,42

Q9H845	Acyl-CoA dehydrogenase family member 9, mitochondrial	ACAD9	Non-cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
P22413	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1	ENPP1	Non-cell surface protein	In 0hr	10	28,00			1	0,00	0,00	
Q9Y5L3	Ectonucleoside triphosphate diphosphohydrolase 2	ENTPD2	Non-cell surface protein	In 0hr	3	6,67			1	0,00	0,00	
P78347	General transcription factor II-I	GTF2I	Non-cell surface protein	In 0hr	3	9,33			1	0,00	0,00	
Q9UMN6	Histone-lysine N-methyltransferase 2B	KMT2B	Non-cell surface protein	In 0hr	5	10,67			1	0,00	0,00	
O75694	Nuclear pore complex protein Nup155	NUP155	Non-cell surface protein	In 0hr	5	9,33			1	0,00	0,00	
P09874	Poly [ADP-ribose] polymerase 1	PARP1	Non-cell surface protein	In 0hr	8	16,00			1	0,00	0,00	
Q05519	Serine/arginine-rich splicing factor 11	SRSF11	Non-cell surface protein	In 0hr	2	5,33			1	0,00	0,00	
O94826	Mitochondrial import receptor subunit TOM70	TOMM70A	Non-cell surface protein	In 0hr	2	4,00			1	0,00	0,00	
Q969P6	DNA topoisomerase I, mitochondrial	TOP1MT	Non-cell surface protein	In 0hr	2	5,33			1	0,00	0,00	
O00308	NEDD4-like E3 ubiquitin-protein ligase WWP2	WWP2	Non-cell surface protein	In 0hr	2	5,33			1	0,00	0,00	
Q86VP6	Cullin-associated NEDD8-dissociated protein 1	CAND1	Non-cell surface protein	In 16hr	4		8					
Q9Y2R4	Probable ATP-dependent RNA helicase DDX52	DDX52	Non-cell surface protein	In 16hr	2		3					
Q9Y6G9	Cytoplasmic dynein 1 light intermediate chain 1	DYNC1LI1	Non-cell surface protein	In 16hr	2		2					
P60842	Eukaryotic initiation factor 4A-I	EIF4A1	Non-cell surface protein	In 16hr	3		7					
P16403	Histone H1.2	HIST1H1C	Non-cell surface protein	In 16hr	3		7					
P00338	L-lactate dehydrogenase A chain	LDHA	Non-cell surface protein	In 16hr	2		4					

P52701	DNA mismatch repair protein Msh6	MSH6	Non-cell surface protein	In 16hr	3		4					
P62829	60S ribosomal protein L23	RPL23	Non-cell surface protein	In 16hr	2		4					
P62263	40S ribosomal protein S14	RPS14	Non-cell surface protein	In 16hr	2		4					
Q9Y3I0	tRNA-splicing ligase RtcB homolog	RTCB	Non-cell surface protein	In 16hr	3		4					
Q8TDB8	Solute carrier family 2, facilitated glucose transporter member 14	SLC2A14	Non-cell surface protein	In 16hr	5		21					
Q9UPN3	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5	MACF1	Non-cell surface protein	In 16hr(+)Ch	4			6				
P46776	60S ribosomal protein L27a	RPL27A	Non-cell surface protein	In 16hr(+)Ch	2			5				
P36578	60S ribosomal protein L4	RPL4	Non-cell surface protein	In 16hr(+)Ch	2			5				

Table S4. Proteins that were detected and downregulated in condition B by 5 fold or more.

UniProt Accession	Protein	Gene	Cell Surface Proteins	Detection	Total Peptides	NormSC-0hr	NormSC-16hr	NormSC-16hrCh	0hr/0hr	16hr/0hr	16hrCh/0hr	(+)/(-) Chloroquine
P29317	Ephrin type-A receptor 2	EPHA2	Cell surface protein	In 0&16&16hr (+)Ch	69	194,67	8	91	1	0,04	0,47	11,38
Q13641	Trophoblast glycoprotein	TPBG	Cell surface protein	In 0&16&16hr (+)Ch	15	42,67	2	22	1	0,05	0,52	11,00
Q10589	Bone marrow stromal antigen 2	BST2	Cell surface protein	In 0&16&16hr (+)Ch	12	21,33	4	32	1	0,19	1,50	8,00
O15230	Laminin subunit alpha-5	LAMA5	Cell surface protein	In 0&16&16hr (+)Ch	169	774,67	18	92	1	0,02	0,12	5,11
Q92859	Neogenin	NEO1	Cell surface protein	In 0&16&16hr (+)Ch	29	92,00	3	15	1	0,03	0,16	5,00
Q92896	Golgi apparatus protein 1	GLG1	Cell surface protein	In 0&16&16hr (+)Ch	62	237,33	12	52	1	0,05	0,22	4,33
O75882	Attractin	ATRN	Cell surface protein	In 0&16&16hr (+)Ch	55	178,67	22	92	1	0,12	0,51	4,18
O95672	Endothelin-converting enzyme-like 1	ECEL1	Cell surface protein	In 0&16&16hr (+)Ch	23	54,67	6	19	1	0,11	0,35	3,17
Q96J84	Kin of IRRE-like protein 1	KIRREL	Cell surface protein	In 0&16&16hr (+)Ch	47	182,67	16	50	1	0,09	0,27	3,13
Q9ULH0	Kinase D-interacting substrate of 220 kDa	KIDINS220	Cell surface protein	In 0&16&16hr (+)Ch	46	80,00	13	40	1	0,16	0,50	3,08
P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	Cell surface protein	In 0&16&16hr (+)Ch	438	2164,00	289	881	1	0,13	0,41	3,05
O60291	E3 ubiquitin-protein ligase MGRN1	MGRN1	Cell surface protein	In 0&16&16hr (+)Ch	18	60,00	11	32	1	0,18	0,53	2,91
Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	Cell surface protein	In 0&16&16hr (+)Ch	112	466,67	40	95	1	0,09	0,20	2,38
P11047	Laminin subunit gamma-1	LAMC1	Cell surface protein	In 0&16&16hr (+)Ch	55	222,67	12	28	1	0,05	0,13	2,33
Q9ULI3	Protein HEG homolog 1	HEG1	Cell surface protein	In 0&16&16hr (+)Ch	26	96,00	12	28	1	0,13	0,29	2,33

P78324	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	Cell surface protein	In 0&16&16hr (+)Ch	16	52,00	9	19	1	0,17	0,37	2,11
Q969P0	Immunoglobulin superfamily member 8	IGSF8	Cell surface protein	In 0&16&16hr (+)Ch	33	158,67	24	44	1	0,15	0,28	1,83
Q6PJG9	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	LRFN4	Cell surface protein	In 0&16&16hr (+)Ch	26	61,33	12	22	1	0,20	0,36	1,83
Q9NQS3	Nectin-3	PVRL3	Cell surface protein	In 0&16&16hr (+)Ch	23	45,33	8	14	1	0,18	0,31	1,75
P15509	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	CSF2RA	Cell surface protein	In 0&16&16hr (+)Ch	15	65,33	10	16	1	0,15	0,24	1,60
Q9H1U4	Multiple epidermal growth factor-like domains protein 9	MEGF9	Cell surface protein	In 0&16&16hr (+)Ch	23	74,67	14	22	1	0,19	0,29	1,57
Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	Cell surface protein	In 0&16&16hr (+)Ch	40	146,67	30	43	1	0,20	0,29	1,43
P07996	Thrombospondin-1	THBS1	Cell surface protein	In 0&16&16hr (+)Ch	43	133,33	13	18	1	0,10	0,14	1,38
O00468	Agrin	AGRN	Cell surface protein	In 0&16&16hr (+)Ch	75	345,33	12	16	1	0,03	0,05	1,33
P17342	Atrial natriuretic peptide receptor 3	NPR3	Cell surface protein	In 0&16&16hr (+)Ch	27	105,33	15	20	1	0,14	0,19	1,33
O14786	Neuropilin-1	NRP1	Cell surface protein	In 0&16&16hr (+)Ch	70	277,33	27	33	1	0,10	0,12	1,22
E9PGC5	Receptor-type tyrosine-protein phosphatase kappa	PTPRK	Cell surface protein	In 0&16&16hr (+)Ch	54	208,00	32	36	1	0,15	0,17	1,13
B7ZLD0	LRP6 protein	LRP6	Cell surface protein	In 0&16&16hr (+)Ch	38	152,00	14	12	1	0,09	0,08	0,86
Q07954	Prolow-density lipoprotein receptor-related protein 1	LRP1	Cell surface protein	In 0&16&16hr (+)Ch	103	502,67	27	11	1	0,05	0,02	0,41
Q9NPH3	Interleukin-1 receptor accessory protein	IL1RAP	Cell surface protein	In 0&16hr	20	54,67	9		1	0,16	0,00	0,00
O75691	Small subunit processome component 20 homolog	UTP20	Cell surface protein	In 0&16hr	11	24,00	4		1	0,17	0,00	0,00

Table S5. Proteins that were downregulated by 5 fold or more or undetected in condition B.

UniProt Accession	Protein	Gene	Cell Surface Proteins	Detection	Total Peptides	NormSC-0hr	NormSC-16hr	NormSC-16hrCh	0hr/0hr	16hr/0hr	16hrCh/0hr	(+)/(-) Chloroquine
P29317	Ephrin type-A receptor 2	EPHA2	Cell surface protein	In 0&16&16hr(+)Ch	69	194,67	8	91	1	0,04	0,47	11,38
Q13641	Trophoblast glycoprotein	TPBG	Cell surface protein	In 0&16&16hr(+)Ch	15	42,67	2	22	1	0,05	0,52	11,00
Q10589	Bone marrow stromal antigen 2	BST2	Cell surface protein	In 0&16&16hr(+)Ch	12	21,33	4	32	1	0,19	1,50	8,00
O15230	Laminin subunit alpha-5	LAMA5	Cell surface protein	In 0&16&16hr(+)Ch	169	774,67	18	92	1	0,02	0,12	5,11
Q92859	Neogenin	NEO1	Cell surface protein	In 0&16&16hr(+)Ch	29	92,00	3	15	1	0,03	0,16	5,00
Q92896	Golgi apparatus protein 1	GLG1	Cell surface protein	In 0&16&16hr(+)Ch	62	237,33	12	52	1	0,05	0,22	4,33
O75882	Attractin	ATRN	Cell surface protein	In 0&16&16hr(+)Ch	55	178,67	22	92	1	0,12	0,51	4,18
O95672	Endothelin-converting enzyme-like 1	ECEL1	Cell surface protein	In 0&16&16hr(+)Ch	23	54,67	6	19	1	0,11	0,35	3,17
Q96J84	Kin of IRRE-like protein 1	KIRREL	Cell surface protein	In 0&16&16hr(+)Ch	47	182,67	16	50	1	0,09	0,27	3,13
Q9ULH0	Kinase D-interacting substrate of 220 kDa	KIDINS220	Cell surface protein	In 0&16&16hr(+)Ch	46	80,00	13	40	1	0,16	0,50	3,08
P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	Cell surface protein	In 0&16&16hr(+)Ch	438	2164,00	289	881	1	0,13	0,41	3,05
Q9NP58	ATP-binding cassette sub-family B member 6	ABCB6	Cell surface protein	In 0&16hr(+)Ch	11	6,67		17	1	0,00	2,55	
Q9NPF0	CD320 antigen	CD320	Cell surface protein	In 0&16hr(+)Ch	5	26,67		9	1	0,00	0,34	
O75976	Carboxypeptidase D	CPD	Cell surface protein	In 0&16hr(+)Ch	34	88,00		22	1	0,00	0,25	
P14384	Carboxypeptidase M	CPM	Cell surface protein	In 0&16hr(+)Ch	4	9,33		5	1	0,00	0,54	

Q16832	Discoidin domain-containing receptor 2	DDR2	Cell surface protein	In 0&16hr(+)Ch	23	102,67		7	1	0,00	0,07	
Q14574	Desmocollin-3	DSC3	Cell surface protein	In 0&16hr(+)Ch	10	33,33		4	1	0,00	0,12	
Q9BSJ8	Extended synaptotagmin-1	ESYT1	Cell surface protein	In 0&16hr(+)Ch	5	4,00		4	1	0,00	1,00	
Q14517	Protocadherin Fat 1	FAT1	Cell surface protein	In 0&16hr(+)Ch	77	258,67		17	1	0,00	0,07	
P15586	N-acetylglucosamine-6-sulfatase	GNS	Cell surface protein	In 0&16hr(+)Ch	12	28,00		10	1	0,00	0,36	
Q9Y653	G-protein coupled receptor 56	GPR56	Cell surface protein	In 0&16hr(+)Ch	12	28,00		8	1	0,00	0,29	
O75144	ICOS ligand	ICOSLG	Cell surface protein	In 0&16hr(+)Ch	5	12,00		5	1	0,00	0,42	
O75054	Immunoglobulin superfamily member 3	IGSF3	Cell surface protein	In 0&16hr(+)Ch	21	52,00		11	1	0,00	0,21	
Q96J02	E3 ubiquitin-protein ligase Itchy homolog	ITCH	Cell surface protein	In 0&16hr(+)Ch	9	6,67		13	1	0,00	1,95	
P07942	Laminin subunit beta-1	LAMB1	Cell surface protein	In 0&16hr(+)Ch	40	169,33		17	1	0,00	0,10	
P01130	Low-density lipoprotein receptor	LDLR	Cell surface protein	In 0&16hr(+)Ch	61	185,33		185	1	0,00	1,00	
Q9BXB1	Leucine-rich repeat-containing G-protein coupled receptor 4	LGR4	Cell surface protein	In 0&16hr(+)Ch	15	18,67		15	1	0,00	0,80	
P42702	Leukemia inhibitory factor receptor	LIFR	Cell surface protein	In 0&16hr(+)Ch	17	44,00		14	1	0,00	0,32	
Q14114	Low-density lipoprotein receptor-related protein 8	LRP8	Cell surface protein	In 0&16hr(+)Ch	10	20,00		5	1	0,00	0,25	
Q99650	Oncostatin-M-specific receptor subunit beta	OSMR	Cell surface protein	In 0&16hr(+)Ch	16	21,33		19	1	0,00	0,89	
Q9H6A9	Pecanex-like protein 3	PCNXL3	Cell surface protein	In 0&16hr(+)Ch	18	41,33		8	1	0,00	0,19	

Q8IV08	Phospholipase D3	PLD3	Cell surface protein	In 0&16hr(+)Ch	8	8,00		10	1	0,00	1,25	
O00469	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	PLOD2	Cell surface protein	In 0&16hr(+)Ch	12	17,33		16	1	0,00	0,92	
Q9NZ53	Podocalyxin-like protein 2	PODXL2	Cell surface protein	In 0&16hr(+)Ch	4	13,33		2	1	0,00	0,15	
Q15223	Nectin-1	PVRL1	Cell surface protein	In 0&16hr(+)Ch	8	13,33		11	1	0,00	0,83	
Q658P3	Metalloreductase STEAP3	STEAP3	Cell surface protein	In 0&16hr(+)Ch	5	5,33		6	1	0,00	1,13	
Q6N022	Teneurin-4	TENM4	Cell surface protein	In 0&16hr(+)Ch	5	13,33		6	1	0,00	0,45	
Q24JP5	Transmembrane protein 132A	TMEM132A	Cell surface protein	In 0&16hr(+)Ch	24	100,00		15	1	0,00	0,15	
P41273	Tumor necrosis factor ligand superfamily member 9	TNFSF9	Cell surface protein	In 0&16hr(+)Ch	8	12,00		8	1	0,00	0,67	
Q9UBH6	Xenotropic and polytropic retrovirus receptor 1	XPR1	Cell surface protein	In 0&16hr(+)Ch	15	29,33		13	1	0,00	0,44	
O60291	E3 ubiquitin-protein ligase MGRN1	MGRN1	Cell surface protein	In 0&16&16hr(+)Ch	18	60,00	11	32	1	0,18	0,53	2,91
Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	Cell surface protein	In 0&16&16hr(+)Ch	112	466,67	40	95	1	0,09	0,20	2,38
P11047	Laminin subunit gamma-1	LAMC1	Cell surface protein	In 0&16&16hr(+)Ch	55	222,67	12	28	1	0,05	0,13	2,33
Q9ULI3	Protein HEG homolog 1	HEG1	Cell surface protein	In 0&16&16hr(+)Ch	26	96,00	12	28	1	0,13	0,29	2,33
P78324	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	Cell surface protein	In 0&16&16hr(+)Ch	16	52,00	9	19	1	0,17	0,37	2,11
Q969P0	Immunoglobulin superfamily member 8	IGSF8	Cell surface protein	In 0&16&16hr(+)Ch	33	158,67	24	44	1	0,15	0,28	1,83
Q6PJG9	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	LRFN4	Cell surface protein	In 0&16&16hr(+)Ch	26	61,33	12	22	1	0,20	0,36	1,83

Q9NQS3	Nectin-3	PVRL3	Cell surface protein	In 0&16&16hr (+)Ch	23	45,33	8	14	1	0,18	0,31	1,75
P15509	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	CSF2RA	Cell surface protein	In 0&16&16hr (+)Ch	15	65,33	10	16	1	0,15	0,24	1,60
Q9H1U4	Multiple epidermal growth factor-like domains protein 9	MEGF9	Cell surface protein	In 0&16&16hr (+)Ch	23	74,67	14	22	1	0,19	0,29	1,57
Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	Cell surface protein	In 0&16&16hr (+)Ch	40	146,67	30	43	1	0,20	0,29	1,43
P07996	Thrombospondin-1	THBS1	Cell surface protein	In 0&16&16hr (+)Ch	43	133,33	13	18	1	0,10	0,14	1,38
O00468	Agrin	AGRN	Cell surface protein	In 0&16&16hr (+)Ch	75	345,33	12	16	1	0,03	0,05	1,33
P17342	Atrial natriuretic peptide receptor 3	NPR3	Cell surface protein	In 0&16&16hr (+)Ch	27	105,33	15	20	1	0,14	0,19	1,33
O14786	Neuropilin-1	NRP1	Cell surface protein	In 0&16&16hr (+)Ch	70	277,33	27	33	1	0,10	0,12	1,22
E9PGC5	Receptor-type tyrosine-protein phosphatase kappa	PTPRK	Cell surface protein	In 0&16&16hr (+)Ch	54	208,00	32	36	1	0,15	0,17	1,13
B7ZLD0	LRP6 protein	LRP6	Cell surface protein	In 0&16&16hr (+)Ch	38	152,00	14	12	1	0,09	0,08	0,86
Q07954	Prolow-density lipoprotein receptor-related protein 1	LRP1	Cell surface protein	In 0&16&16hr (+)Ch	103	502,67	27	11	1	0,05	0,02	0,41
Q9NPH3	Interleukin-1 receptor accessory protein	IL1RAP	Cell surface protein	In 0&16hr	20	54,67	9		1	0,16	0,00	0,00
O75691	Small subunit processome component 20 homolog	UTP20	Cell surface protein	In 0&16hr	11	24,00	4		1	0,17	0,00	0,00
Q9BZC7	ATP-binding cassette sub-family A member 2	ABCA2	Cell surface protein	In 0hr	15	49,33			1	0,00	0,00	
P28288	ATP-binding cassette sub-family D member 3	ABCD3	Cell surface protein	In 0hr	5	10,67			1	0,00	0,00	
Q04771	Activin receptor type-1	ACVR1	Cell surface protein	In 0hr	3	6,67			1	0,00	0,00	

O14672	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10	Cell surface protein	In 0hr	10	38,67			1	0,00	0,00	
Q13443	Disintegrin and metalloproteinase domain-containing protein 9	ADAM9	Cell surface protein	In 0hr	13	42,67			1	0,00	0,00	
P10696	Alkaline phosphatase, placental-like	ALPPL2	Cell surface protein	In 0hr	2	10,67			1	0,00	0,00	
Q9HCJ1	Progressive ankylosis protein homolog	ANKH	Cell surface protein	In 0hr	10	41,33			1	0,00	0,00	
Q9H6X2	Anthrax toxin receptor 1	ANTXR1	Cell surface protein	In 0hr	6	21,33			1	0,00	0,00	
P08133	Annexin A6	ANXA6	Cell surface protein	In 0hr	7	21,33			1	0,00	0,00	
O94973	AP-2 complex subunit alpha-2	AP2A2	Cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
P30530	Tyrosine-protein kinase receptor UFO	AXL	Cell surface protein	In 0hr	16	60,00			1	0,00	0,00	
Q9Y5Z0	Beta-secretase 2	BACE2	Cell surface protein	In 0hr	6	22,67			1	0,00	0,00	
Q5VU97	VWFA and cache domain-containing protein 1	CACHD1	Cell surface protein	In 0hr	15	50,67			1	0,00	0,00	
Q9HCU4	Cadherin EGF LAG seven-pass G-type receptor 2	CELSR2	Cell surface protein	In 0hr	20	86,67			1	0,00	0,00	
Q07065	Cytoskeleton-associated protein 4	CKAP4	Cell surface protein	In 0hr	2	4,00			1	0,00	0,00	
Q99715	Collagen alpha-1(XII) chain	COL12A1	Cell surface protein	In 0hr	67	260,00			1	0,00	0,00	
Q08345	Epithelial discoidin domain-containing receptor 1	DDR1	Cell surface protein	In 0hr	6	12,00			1	0,00	0,00	
Q08554	Desmocollin-1	DSC1	Cell surface protein	In 0hr	4	22,67			1	0,00	0,00	
Q9UHX3	EGF-like module-containing mucin-like hormone receptor-like 2	EMR2	Cell surface protein	In 0hr	2	8,00			1	0,00	0,00	

P54753	Ephrin type-B receptor 3	EPHB3	Cell surface protein	In 0hr	2	6,67			1	0,00	0,00	
Q6V0I7	Protocadherin Fat 4	FAT4	Cell surface protein	In 0hr	15	42,67			1	0,00	0,00	
P35555	Fibrillin-1	FBN1	Cell surface protein	In 0hr	6	22,67			1	0,00	0,00	
P21802	Fibroblast growth factor receptor 2	FGFR2	Cell surface protein	In 0hr	10	32,00			1	0,00	0,00	
P20930	Filaggrin	FLG	Cell surface protein	In 0hr	3	10,67			1	0,00	0,00	
P06241	Tyrosine-protein kinase Fyn	FYN	Cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
Q14332	Frizzled-2	FZD2	Cell surface protein	In 0hr	5	18,67			1	0,00	0,00	
Q10472	Polypeptide N-acetylgalactosaminyltransferase 1	GALNT1	Cell surface protein	In 0hr	4	13,33			1	0,00	0,00	
P16278	Beta-galactosidase	GLB1	Cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
O00461	Golgi integral membrane protein 4	GOLIM4	Cell surface protein	In 0hr	5	18,67			1	0,00	0,00	
Q8IWK6	Probable G-protein coupled receptor 125	GPR125	Cell surface protein	In 0hr	8	22,67			1	0,00	0,00	
Q9UMF0	Intercellular adhesion molecule 5	ICAM5	Cell surface protein	In 0hr	8	16,00			1	0,00	0,00	
P17181	Interferon alpha/beta receptor 1	IFNAR1	Cell surface protein	In 0hr	6	25,33			1	0,00	0,00	
P40189	Interleukin-6 receptor subunit beta	IL6ST	Cell surface protein	In 0hr	5	10,67			1	0,00	0,00	
Q9Y219	Protein jagged-2	JAG2	Cell surface protein	In 0hr	6	20,00			1	0,00	0,00	
P24043	Laminin subunit alpha-2	LAMA2	Cell surface protein	In 0hr	4	12,00			1	0,00	0,00	

Q96JA1	Leucine-rich repeats and immunoglobulin-like domains protein 1	LRIG1	Cell surface protein	In 0hr	6	16,00			1	0,00	0,00	
O75197	Low-density lipoprotein receptor-related protein 5	LRP5	Cell surface protein	In 0hr	13	49,33			1	0,00	0,00	
O95274	Ly6/PLAUR domain-containing protein 3	LYPD3	Cell surface protein	In 0hr	5	36,00			1	0,00	0,00	
P55082	Microfibril-associated glycoprotein 3	MFAP3	Cell surface protein	In 0hr	3	8,00			1	0,00	0,00	
Q8NFZ4	Neuroligin-2	NLGN2	Cell surface protein	In 0hr	4	9,33			1	0,00	0,00	
P46531	Neurogenic locus notch homolog protein 1	NOTCH1	Cell surface protein	In 0hr	17	64,00			1	0,00	0,00	
O60462	Neuropilin-2	NRP2	Cell surface protein	In 0hr	5	13,33			1	0,00	0,00	
P07602	Prosaposin	PSAP	Cell surface protein	In 0hr	9	40,00			1	0,00	0,00	
Q92626	Peroxidasin homolog	PXDN	Cell surface protein	In 0hr	5	12,00			1	0,00	0,00	
Q6ZRP7	Sulfhydryl oxidase 2	QSOX2	Cell surface protein	In 0hr	17	80,00			1	0,00	0,00	
P61026	Ras-related protein Rab-10	RAB10	Cell surface protein	In 0hr	5	20,00			1	0,00	0,00	
Q5JTH9	RRP12-like protein	RRP12	Cell surface protein	In 0hr	4	10,67			1	0,00	0,00	
P34925	Tyrosine-protein kinase RYK	RYK	Cell surface protein	In 0hr	4	14,67			1	0,00	0,00	
Q6UWP8	Suprabasin	SBSN	Cell surface protein	In 0hr	2	4,00			1	0,00	0,00	
Q9C0C4	Semaphorin-4C	SEMA4C	Cell surface protein	In 0hr	3	5,33			1	0,00	0,00	
Q8NFY4	Semaphorin-6D	SEMA6D	Cell surface protein	In 0hr	6	20,00			1	0,00	0,00	

B3KNK2	cDNA FLJ14770 fis, clone NT2RP3004207, highly similar to Homo sapiens seizure related 6 homolog (mouse)-like 2 (SEZ6L2), transcript variant 1, mRNA	SEZ6L2	Cell surface protein	In 0hr	6	18,67			1	0,00	0,00	
Q5DT21	Serine protease inhibitor Kazal-type 9	SPINK9	Cell surface protein	In 0hr	2	9,33			1	0,00	0,00	
O43278	Kunitz-type protease inhibitor 1	SPINT1	Cell surface protein	In 0hr	7	29,33			1	0,00	0,00	
Q03167	Transforming growth factor beta receptor type 3	TGFBR3	Cell surface protein	In 0hr	10	40,00			1	0,00	0,00	
Q96QT4	Transient receptor potential cation channel subfamily M member 7	TRPM7	Cell surface protein	In 0hr	5	12,00			1	0,00	0,00	
Q9C0H2	Protein tweety homolog 3	TTYH3	Cell surface protein	In 0hr	2	5,33			1	0,00	0,00	
Q06418	Tyrosine-protein kinase receptor TYRO3	TYRO3	Cell surface protein	In 0hr	12	48,00			1	0,00	0,00	
Q9NYU2	UDP-glucose:glycoprotein glucosyltransferase 1	UGGT1	Cell surface protein	In 0hr	5	9,33			1	0,00	0,00	

Table S6. Proteins that changed by less than 25% in conditions B or C compared to A (static).

UniProt Accession	Protein	Gene	Cell Surface Proteins	Detection	Total Peptides	NormSC-0hr	NormSC-16hr	NormSC-16hrCh	0hr/0hr	16hr/0hr	16hrCh/0hr	(+)/(-) Chloroquine
Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	Cell surface protein	In 0&16&16hr(+)Ch	83	196,00	149	147	1	0,76	0,75	0,99
Q9Y639	Neuroplastin	NPTN	Cell surface protein	In 0&16&16hr(+)Ch	50	165,33	156	126	1	0,94	0,76	0,81
P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1	CACNA2D1	Cell surface protein	In 0&16&16hr(+)Ch	90	177,33	141	136	1	0,80	0,77	0,96
Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	Cell surface protein	In 0&16&16hr(+)Ch	93	93,33	86	76	1	0,92	0,81	0,88
B5M450	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	Cell surface protein	In 0&16&16hr(+)Ch	32	41,33	41	34	1	0,99	0,82	0,83
P19256	Lymphocyte function-associated antigen 3	CD58	Cell surface protein	In 0&16&16hr(+)Ch	9	24,00	20	20	1	0,83	0,83	1,00
Q6P4Q7	Metal transporter CNNM4	CNNM4	Cell surface protein	In 0&16&16hr(+)Ch	92	122,67	116	105	1	0,95	0,86	0,91
Q03135	Caveolin-1	CAV1	Cell surface protein	In 0&16&16hr(+)Ch	15	34,67	28	32	1	0,81	0,92	1,14
Q13501	Sequestosome-1	SQSTM1	Cell surface protein	In 0&16&16hr(+)Ch	12	14,67	16	14	1	1,09	0,95	0,88
P15941	Mucin-1	MUC1	Cell surface protein	In 0&16&16hr(+)Ch	6	20,00	17	21	1	0,85	1,05	1,24
Q687X5	Metalloreductase STEAP4	STEAP4	Cell surface protein	In 0&16&16hr(+)Ch	102	188,00	232	215	1	1,23	1,14	0,93

Table S7. Total proteins (negative controls included) detected in HeLa cells under three different conditions.

Conditions	Labeling	UniProt Accession	Protein	Gene	Total Peptides	%Seq Coverage	Total Spectra	NormSC
(A)0hr	SEEL	Q9BZC7	ATP-binding cassette sub-family A member 2	ABCA2	15	7,76	37	49,33
(A)0hr	SEEL	Q9NP58	ATP-binding cassette sub-family B member 6	ABCB6	3	5,46	5	6,67
(A)0hr	Control	O75027	ATP-binding cassette sub-family B member 7, mitochondrial	ABCB7	5	6,78	18	24,00
(A)0hr	SEEL	P33527	Multidrug resistance-associated protein 1	ABCC1	9	7,97	19	25,33
(A)0hr	SEEL	P33527	Multidrug resistance-associated protein 1	ABCC1	31	26,91	100	133,33
(A)0hr	SEEL	O15439	Multidrug resistance-associated protein 4	ABCC4	21	15,85	53	70,67
(A)0hr	SEEL	O15440	Multidrug resistance-associated protein 5	ABCC5	7	5,08	21	28,00
(A)0hr	SEEL	P28288	ATP-binding cassette sub-family D member 3	ABCD3	5	5,46	8	10,67
(A)0hr	SEEL	P61221	ATP-binding cassette sub-family E member 1	ABCE1	22	36,89	139	185,33
(A)0hr	Control	Q8NE71	ATP-binding cassette sub-family F member 1	ABCF1	13	17,40	30	40,00
(A)0hr	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	78	35,89	376	501,33
(A)0hr	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	45	19,01	488	650,67
(A)0hr	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	32	15,52	77	102,67
(A)0hr	SEEL	Q13085	Acetyl-CoA carboxylase 1	ACACA	39	18,03	114	152,00
(A)0hr	SEEL	Q13085	Acetyl-CoA carboxylase 1	ACACA	49	24,94	155	206,67
(A)0hr	Control	O00763	Acetyl-CoA carboxylase 2	ACACB	2	0,81	2	2,67
(A)0hr	SEEL	Q9H845	Acyl-CoA dehydrogenase family member 9, mitochondrial	ACAD9	3	4,83	6	8,00
(A)0hr	SEEL	O95573	Long-chain-fatty-acid--CoA ligase 3	ACSL3	3	5,14	12	16,00
(A)0hr	SEEL	O60488	Long-chain-fatty-acid--CoA ligase 4	ACSL4	2	3,23	4	5,33
(A)0hr	Control	P60709	Actin, cytoplasmic 1	ACTB	3	8,27	6	8,00
(A)0hr	SEEL	P60709	Actin, cytoplasmic 1	ACTB	5	16,53	13	17,33
(A)0hr	SEEL	P60709	Actin, cytoplasmic 1	ACTB	3	10,40	14	18,67
(A)0hr	SEEL	P60709	Actin, cytoplasmic 1	ACTB	2	5,33	7	9,33
(A)0hr	SEEL	P60709	Actin, cytoplasmic 1	ACTB	8	24,80	37	49,33
(A)0hr	SEEL	Q04771	Activin receptor type-1	ACVR1	3	6,09	5	6,67
(A)0hr	SEEL	O14672	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10	10	15,64	29	38,67
(A)0hr	SEEL	Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	8	10,54	55	73,33
(A)0hr	SEEL	Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	9	10,78	55	73,33
(A)0hr	SEEL	P78536	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17	10	14,44	26	34,67
(A)0hr	SEEL	Q13443	Disintegrin and metalloproteinase domain-containing protein 9	ADAM9	13	19,29	32	42,67
(A)0hr	SEEL	P55265	Double-stranded RNA-specific adenosine deaminase	ADAR	2	2,20	4	5,33
(A)0hr	SEEL	O60503	Adenylate cyclase type 9	ADCY9	4	3,47	7	9,33
(A)0hr	Control	Q9Y4W6	AFG3-like protein 2	AFG3L2	3	4,52	6	8,00
(A)0hr	SEEL	Q9Y4W6	AFG3-like protein 2	AFG3L2	4	4,77	8	10,67
(A)0hr	SEEL	O00468	Agrin	AGRN	46	26,75	218	290,67
(A)0hr	SEEL	O00468	Agrin	AGRN	15	9,00	41	54,67
(A)0hr	Control	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	6	1,48	35	46,67
(A)0hr	SEEL	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	58	12,04	179	238,67
(A)0hr	SEEL	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	6	1,22	26	34,67
(A)0hr	SEEL	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	5	1,41	23	30,67
(A)0hr	SEEL	Q8IVF2	Protein AHNAK2	AHNAK2	5	1,73	21	28,00
(A)0hr	SEEL	P02765	Alpha-2-HS-glycoprotein	AHSG	2	3,54	11	14,67
(A)0hr	Control	O95831	Apoptosis-inducing factor 1, mitochondrial	AIFM1	4	7,01	8	10,67
(A)0hr	SEEL	O95831	Apoptosis-inducing factor 1, mitochondrial	AIFM1	4	7,01	10	13,33
(A)0hr	Control	Q02040	A-kinase anchor protein 17A	AKAP17A	17	20,29	64	85,33
(A)0hr	SEEL	Q02040	A-kinase anchor protein 17A	AKAP17A	6	8,35	10	13,33
(A)0hr	SEEL	Q13740	CD166 antigen	ALCAM	10	18,87	31	41,33
(A)0hr	SEEL	Q13740	CD166 antigen	ALCAM	33	54,55	429	572,00
(A)0hr	SEEL	Q13740	CD166 antigen	ALCAM	4	9,09	7	9,33
(A)0hr	Control	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	21	25,53	117	156,00
(A)0hr	SEEL	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	16	22,39	47	62,67
(A)0hr	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	5	11,17	12	16,00
(A)0hr	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	12	25,95	69	92,00
(A)0hr	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	9	18,18	37	49,33
(A)0hr	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	20	50,00	414	552,00
(A)0hr	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	6	16,26	23	30,67
(A)0hr	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	4	11,40	7	9,33
(A)0hr	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	3	3,74	39	52,00
(A)0hr	SEEL	P10696	Alkaline phosphatase, placental-like	ALPPL2	2	7,14	8	10,67
(A)0hr	SEEL	Q9HCJ1	Progressive ankylosis protein homolog	ANKH	7	13,82	23	30,67
(A)0hr	SEEL	Q9HCJ1	Progressive ankylosis protein homolog	ANKH	3	7,11	8	10,67
(A)0hr	SEEL	P15144	Aminopeptidase N	ANPEP	15	15,51	37	49,33
(A)0hr	SEEL	Q9H6X2	Anthrax toxin receptor 1	ANTXR1	6	10,28	16	21,33

(A)0hr	SEEL	P08133	Annexin A6	ANXA6	7	12,18	16	21,33
(A)0hr	SEEL	B5ME49	AP-1 complex subunit mu-1	AP1M1	2	0,18	14	18,67
(A)0hr	SEEL	O94973	AP-2 complex subunit alpha-2	AP2A2	3	4,79	6	8,00
(A)0hr	Control	O14617	AP-3 complex subunit delta-1	AP3D1	13	12,40	49	65,33
(A)0hr	SEEL	O14617	AP-3 complex subunit delta-1	AP3D1	3	2,86	7	9,33
(A)0hr	Control	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	10	12,85	28	37,33
(A)0hr	Control	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	10	11,61	53	70,67
(A)0hr	Control	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	9	12,54	19	25,33
(A)0hr	Control	Q9NVI7	ATPase family AAA domain-containing protein 3A	ATAD3A	6	9,15	12	16,00
(A)0hr	Control	Q13315	Serine-protein kinase ATM	ATM	4	2,65	13	17,33
(A)0hr	Control	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	9	8,41	17	22,67
(A)0hr	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	7	6,26	35	46,67
(A)0hr	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	38	32,65	424	565,33
(A)0hr	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	38	32,65	587	782,67
(A)0hr	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	13	13,98	46	61,33
(A)0hr	SEEL	B3KW93	cDNA FLJ42590 fis, clone BRACE3009708, highly similar to Sodium/potassium-transporting ATPase alpha-2chain (EC 3.6.3.9)	ATP1A2	2	2,17	7	9,33
(A)0hr	SEEL	B3KW93	cDNA FLJ42590 fis, clone BRACE3009708, highly similar to Sodium/potassium-transporting ATPase alpha-2chain (EC 3.6.3.9)	ATP1A2	2	2,17	7	9,33
(A)0hr	SEEL	P13637	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3	2	1,97	27	36,00
(A)0hr	SEEL	P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	7	22,77	62	82,67
(A)0hr	SEEL	P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	7	22,77	31	41,33
(A)0hr	SEEL	P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	5	21,86	43	57,33
(A)0hr	Control	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	5	5,66	10	13,33
(A)0hr	Control	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	16	15,45	70	93,33
(A)0hr	SEEL	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	4	5,28	6	8,00
(A)0hr	SEEL	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	5	5,57	14	18,67
(A)0hr	SEEL	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	10	10,94	29	38,67
(A)0hr	Control	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	6	5,48	13	17,33
(A)0hr	SEEL	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	13	13,75	34	45,33
(A)0hr	SEEL	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	9	10,17	31	41,33
(A)0hr	SEEL	O75882	Attractin	ATRN	5	3,71	12	16,00
(A)0hr	SEEL	O75882	Attractin	ATRN	22	18,68	122	162,67
(A)0hr	SEEL	P30530	Tyrosine-protein kinase receptor UFO	AXL	4	5,15	9	12,00
(A)0hr	SEEL	P30530	Tyrosine-protein kinase receptor UFO	AXL	7	9,28	22	29,33
(A)0hr	SEEL	P30530	Tyrosine-protein kinase receptor UFO	AXL	5	5,93	14	18,67
(A)0hr	SEEL	Q9Y5Z0	Beta-secretase 2	BACE2	6	14,29	17	22,67
(A)0hr	SEEL	A0A068W6H0	Basal cell adhesion molecule (Lutheran blood group)	BCAM	8	19,11	20	26,67
(A)0hr	SEEL	P50895	Basal cell adhesion molecule	BCAM	23	42,68	195	260,00
(A)0hr	SEEL	P50895	Basal cell adhesion molecule	BCAM	7	14,33	27	36,00
(A)0hr	SEEL	P51587	Breast cancer type 2 susceptibility protein	BRCA2	5	1,96	10	13,33
(A)0hr	SEEL	P35613	Basigin	BSG	6	16,88	24	32,00
(A)0hr	SEEL	P35613	Basigin	BSG	7	21,56	29	38,67
(A)0hr	SEEL	P35613	Basigin	BSG	12	37,40	544	725,33
(A)0hr	SEEL	Q10589	Bone marrow stromal antigen 2	BST2	2	13,89	6	8,00
(A)0hr	SEEL	Q10589	Bone marrow stromal antigen 2	BST2	2	13,89	10	13,33
(A)0hr	SEEL	Q7KYR7	Butyrophilin subfamily 2 member A1	BTN2A1	18	32,45	103	137,33
(A)0hr	Control	Q9H8G2	Caspase activity and apoptosis inhibitor 1	CAAP1	6	18,28	25	33,33
(A)0hr	SEEL	Q9H8G2	Caspase activity and apoptosis inhibitor 1	CAAP1	3	10,80	8	10,67
(A)0hr	SEEL	Q5VU97	VWFA and cache domain-containing protein 1	CACHD1	15	10,36	38	50,67
(A)0hr	SEEL	P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1	CACNA2D1	30	32,91	133	177,33
(A)0hr	Control	P27708	CAD protein	CAD	4	2,11	8	10,67
(A)0hr	SEEL	Q9BY67	Cell adhesion molecule 1	CADM1	10	29,64	53	70,67
(A)0hr	SEEL	Q8NFZ8	Cell adhesion molecule 4	CADM4	7	25,00	29	38,67
(A)0hr	SEEL	Q03135	Caveolin-1	CAV1	5	35,39	26	34,67
(A)0hr	Control	P49368	T-complex protein 1 subunit gamma	CCT3	8	17,43	12	16,00
(A)0hr	SEEL	P49368	T-complex protein 1 subunit gamma	CCT3	7	13,58	17	22,67
(A)0hr	Control	P50991	T-complex protein 1 subunit delta	CCT4	5	8,72	9	12,00
(A)0hr	SEEL	P48643	T-complex protein 1 subunit epsilon	CCT5	2	4,81	5	6,67
(A)0hr	Control	P40227	T-complex protein 1 subunit zeta	CCT6A	5	9,23	11	14,67
(A)0hr	SEEL	P40227	T-complex protein 1 subunit zeta	CCT6A	5	8,85	14	18,67
(A)0hr	Control	P50990	T-complex protein 1 subunit theta	CCT8	7	12,96	16	21,33
(A)0hr	SEEL	P50990	T-complex protein 1 subunit theta	CCT8	8	16,24	19	25,33
(A)0hr	SEEL	Q6YHK3	CD109 antigen	CD109	27	22,63	113	150,67
(A)0hr	SEEL	Q6YHK3	CD109 antigen	CD109	15	11,70	46	61,33
(A)0hr	SEEL	Q6YHK3	CD109 antigen	CD109	7	5,54	25	33,33
(A)0hr	SEEL	P48509	CD151 antigen	CD151	5	16,60	25	33,33

(A)0hr	SEEL	P48509	CD151 antigen	CD151	5	16,21	29	38,67
(A)0hr	SEEL	Q5ZPR3	CD276 antigen	CD276	8	21,91	42	56,00
(A)0hr	SEEL	Q5ZPR3	CD276 antigen	CD276	8	21,16	379	505,33
(A)0hr	SEEL	Q5ZPR3	CD276 antigen	CD276	8	23,41	65	86,67
(A)0hr	SEEL	Q9NPF0	CD320 antigen	CD320	3	10,28	20	26,67
(A)0hr	SEEL	P16070	CD44 antigen	CD44	9	11,73	57	76,00
(A)0hr	SEEL	P16070	CD44 antigen	CD44	10	14,96	217	289,33
(A)0hr	SEEL	P16070	CD44 antigen	CD44	12	17,52	325	433,33
(A)0hr	SEEL	P16070	CD44 antigen	CD44	10	14,96	90	120,00
(A)0hr	SEEL	P15529	Membrane cofactor protein	CD46	4	10,46	15	20,00
(A)0hr	SEEL	P15529	Membrane cofactor protein	CD46	11	22,45	220	293,33
(A)0hr	SEEL	R4GN18	Membrane cofactor protein (Fragment)	CD46	2	19,23	50	66,67
(A)0hr	SEEL	Q08722	Leukocyte surface antigen CD47	CD47	3	8,67	24	32,00
(A)0hr	SEEL	P08174	Complement decay-accelerating factor	CD55	12	30,71	65	86,67
(A)0hr	SEEL	P08174	Complement decay-accelerating factor	CD55	8	22,31	36	48,00
(A)0hr	SEEL	P08174	Complement decay-accelerating factor	CD55	17	41,99	375	500,00
(A)0hr	SEEL	P19256	Lymphocyte function-associated antigen 3	CD58	3	8,00	18	24,00
(A)0hr	SEEL	P48960	CD97 antigen	CD97	7	8,02	74	98,67
(A)0hr	SEEL	P48960	CD97 antigen	CD97	12	14,49	60	80,00
(A)0hr	SEEL	P48960	CD97 antigen	CD97	18	24,31	234	312,00
(A)0hr	SEEL	P48960	CD97 antigen	CD97	16	23,71	191	254,67
(A)0hr	SEEL	P19022	Cadherin-2	CDH2	9	19,65	16	21,33
(A)0hr	SEEL	P19022	Cadherin-2	CDH2	20	33,33	141	188,00
(A)0hr	SEEL	P19022	Cadherin-2	CDH2	3	5,52	4	5,33
(A)0hr	SEEL	P33151	Cadherin-5	CDH5	5	7,14	12	16,00
(A)0hr	SEEL	P33151	Cadherin-5	CDH5	17	21,94	122	162,67
(A)0hr	SEEL	P33151	Cadherin-5	CDH5	3	2,68	11	14,67
(A)0hr	Control	P21127	Cyclin-dependent kinase 11B	CDK11B	8	9,81	15	20,00
(A)0hr	SEEL	Q9NYQ6	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	13	5,61	37	49,33
(A)0hr	SEEL	Q9NYQ6	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	22	9,62	100	133,33
(A)0hr	SEEL	Q9NYQ6	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	4	1,46	15	20,00
(A)0hr	SEEL	Q9HCU4	Cadherin EGF LAG seven-pass G-type receptor 2	CELSR2	20	8,69	65	86,67
(A)0hr	SEEL	Q07065	Cytoskeleton-associated protein 4	CKAP4	2	4,98	3	4,00
(A)0hr	SEEL	O76031	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	CLPX	8	15,96	20	26,67
(A)0hr	Control	Q00610	Clathrin heavy chain 1	CLTC	23	15,16	64	85,33
(A)0hr	SEEL	Q00610	Clathrin heavy chain 1	CLTC	25	17,73	61	81,33
(A)0hr	SEEL	Q9NRU3	Metal transporter CNNM1	CNNM1	2	2,42	3	4,00
(A)0hr	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	12	13,26	45	60,00
(A)0hr	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	17	20,46	53	70,67
(A)0hr	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	3	3,77	6	8,00
(A)0hr	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	2	2,40	6	8,00
(A)0hr	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	23	38,61	98	130,67
(A)0hr	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	4	7,21	8	10,67
(A)0hr	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	10	14,06	27	36,00
(A)0hr	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	9	12,52	24	32,00
(A)0hr	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	12	17,16	41	54,67
(A)0hr	SEEL	Q99715	Collagen alpha-1(XII) chain	COL12A1	51	20,60	166	221,33
(A)0hr	SEEL	Q99715	Collagen alpha-1(XII) chain	COL12A1	16	6,89	29	38,67
(A)0hr	Control	P53621	Coatomer subunit alpha	COPA	22	18,63	54	72,00
(A)0hr	SEEL	P53621	Coatomer subunit alpha	COPA	6	5,47	11	14,67
(A)0hr	Control	P53618	Coatomer subunit beta	COPB1	4	5,25	6	8,00
(A)0hr	Control	Q9Y678	Coatomer subunit gamma-1	COPG1	4	4,58	6	8,00
(A)0hr	SEEL	O75976	Carboxypeptidase D	CPD	23	18,70	66	88,00
(A)0hr	SEEL	P14384	Carboxypeptidase M	CPM	2	3,84	7	9,33
(A)0hr	Control	Q99829	Copine-1	CPNE1	8	13,97	33	44,00
(A)0hr	SEEL	Q99829	Copine-1	CPNE1	7	14,34	27	36,00
(A)0hr	SEEL	O75131	Copine-3	CPNE3	5	8,19	10	13,33
(A)0hr	Control	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	4	2,73	10	13,33
(A)0hr	Control	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	70	49,07	732	976,00
(A)0hr	Control	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	25	17,73	82	109,33
(A)0hr	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	18	12,67	44	58,67
(A)0hr	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	79	58,80	656	874,67
(A)0hr	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	19	16,80	44	58,67
(A)0hr	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	3	2,47	5	6,67
(A)0hr	Control	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	10	14,62	28	37,33
(A)0hr	SEEL	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	11	15,65	22	29,33

(A)0hr	Control	Q9BZJ0	Crooked neck-like protein 1	CRNKL1	2	2,59	4	5,33
(A)0hr	SEEL	P15509	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	CSF2RA	8	26,25	49	65,33
(A)0hr	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	67	37,90	517	689,33
(A)0hr	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	72	39,02	670	893,33
(A)0hr	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	11	5,90	29	38,67
(A)0hr	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	3	1,42	6	8,00
(A)0hr	SEEL	P35221	Catenin alpha-1	CTNNA1	12	16,23	34	45,33
(A)0hr	SEEL	P35222	Catenin beta-1	CTNNB1	24	40,08	177	236,00
(A)0hr	SEEL	P35222	Catenin beta-1	CTNNB1	7	11,14	22	29,33
(A)0hr	Control	Q13619	Cullin-4A	CUL4A	2	3,03	4	5,33
(A)0hr	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	6	18,18	27	36,00
(A)0hr	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	5	15,06	32	42,67
(A)0hr	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	4	11,93	17	22,67
(A)0hr	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	3	8,81	13	17,33
(A)0hr	SEEL	Q14118	Dystroglycan	DAG1	14	14,41	181	241,33
(A)0hr	SEEL	Q14118	Dystroglycan	DAG1	11	10,28	103	137,33
(A)0hr	Control	P11182	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	DBT	7	12,86	20	26,67
(A)0hr	Control	P11182	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	DBT	3	6,22	7	9,33
(A)0hr	SEEL	P81605	Dermcidin	DCD	3	22,73	11	14,67
(A)0hr	SEEL	Q08345	Epithelial discoidin domain-containing receptor 1	DDR1	6	6,24	9	12,00
(A)0hr	SEEL	Q16832	Discoidin domain-containing receptor 2	DDR2	15	21,75	67	89,33
(A)0hr	SEEL	Q16832	Discoidin domain-containing receptor 2	DDR2	4	5,61	10	13,33
(A)0hr	Control	Q92499	ATP-dependent RNA helicase DDX1	DDX1	3	4,05	5	6,67
(A)0hr	SEEL	Q92499	ATP-dependent RNA helicase DDX1	DDX1	3	5,14	4	5,33
(A)0hr	SEEL	Q92841	Probable ATP-dependent RNA helicase DDX17	DDX17	7	10,56	21	28,00
(A)0hr	Control	Q9NR30	Nucleolar RNA helicase 2	DDX21	15	19,80	52	69,33
(A)0hr	SEEL	Q9NR30	Nucleolar RNA helicase 2	DDX21	16	27,20	44	58,67
(A)0hr	Control	Q9BUQ8	Probable ATP-dependent RNA helicase DDX23	DDX23	12	14,76	40	53,33
(A)0hr	SEEL	Q9BUQ8	Probable ATP-dependent RNA helicase DDX23	DDX23	6	7,56	11	14,67
(A)0hr	Control	B4DKV2	cDNA FLJ54363, highly similar to ATP-dependent RNA helicase DDX24 (EC 3.6.1.-)	DDX24	7	11,88	17	22,67
(A)0hr	SEEL	Q9GZR7	ATP-dependent RNA helicase DDX24	DDX24	5	7,80	13	17,33
(A)0hr	Control	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	14	22,36	36	48,00
(A)0hr	Control	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	15	23,87	41	54,67
(A)0hr	SEEL	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	8	13,75	17	22,67
(A)0hr	SEEL	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	20	32,33	86	114,67
(A)0hr	Control	P17844	Probable ATP-dependent RNA helicase DDX5	DDX5	17	23,62	64	85,33
(A)0hr	SEEL	P17844	Probable ATP-dependent RNA helicase DDX5	DDX5	18	24,43	111	148,00
(A)0hr	Control	Q8TDD1	ATP-dependent RNA helicase DDX54	DDX54	6	7,38	9	12,00
(A)0hr	Control	O43143	Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	DHX15	5	6,04	14	18,67
(A)0hr	Control	Q7L2E3	Putative ATP-dependent RNA helicase DHX30	DHX30	4	3,27	5	6,67
(A)0hr	SEEL	Q7L2E3	Putative ATP-dependent RNA helicase DHX30	DHX30	3	2,43	5	6,67
(A)0hr	Control	Q08211	ATP-dependent RNA helicase A	DHX9	29	24,17	114	152,00
(A)0hr	Control	Q08211	ATP-dependent RNA helicase A	DHX9	4	3,86	6	8,00
(A)0hr	SEEL	Q08211	ATP-dependent RNA helicase A	DHX9	25	19,84	88	117,33
(A)0hr	Control	B4DJX1	Acetyltransferase component of pyruvate dehydrogenase complex	DLAT	17	32,83	114	152,00
(A)0hr	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	6	8,35	24	32,00
(A)0hr	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	7	10,97	67	89,33
(A)0hr	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	11	19,32	275	366,67
(A)0hr	SEEL	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	5	8,19	10	13,33
(A)0hr	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	6	11,98	16	21,33
(A)0hr	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	6	11,98	21	28,00
(A)0hr	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	22	36,54	273	364,00
(A)0hr	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	7	14,79	28	37,33
(A)0hr	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	8	17,44	29	38,67
(A)0hr	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	7	14,79	30	40,00
(A)0hr	SEEL	Q9NVH1	DnaJ homolog subfamily C member 11	DNAJC11	5	9,48	14	18,67
(A)0hr	SEEL	Q08554	Desmocollin-1	DSC1	4	5,82	17	22,67
(A)0hr	SEEL	Q02487	Desmocollin-2	DSC2	10	12,87	35	46,67
(A)0hr	SEEL	Q14574	Desmocollin-3	DSC3	8	11,83	25	33,33
(A)0hr	SEEL	Q02413	Desmoglein-1	DSG1	10	12,30	28	37,33
(A)0hr	SEEL	Q14126	Desmoglein-2	DSG2	7	7,87	20	26,67
(A)0hr	SEEL	Q14126	Desmoglein-2	DSG2	39	53,49	424	565,33

(A)0hr	SEEL	Q14126	Desmoglein-2	DSG2	31	33,90	238	317,33
(A)0hr	SEEL	Q14126	Desmoglein-2	DSG2	10	13,15	23	30,67
(A)0hr	Control	P15924	Desmoplakin	DSP	17	5,68	32	42,67
(A)0hr	Control	P15924	Desmoplakin	DSP	37	12,19	81	108,00
(A)0hr	SEEL	P15924	Desmoplakin	DSP	28	9,09	67	89,33
(A)0hr	SEEL	P15924	Desmoplakin	DSP	20	6,69	51	68,00
(A)0hr	Control	Q14204	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1	5	1,18	12	16,00
(A)0hr	SEEL	Q14204	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1	20	4,41	47	62,67
(A)0hr	SEEL	P42892	Endothelin-converting enzyme 1	ECE1	9	12,73	24	32,00
(A)0hr	SEEL	P42892	Endothelin-converting enzyme 1	ECE1	32	43,25	348	464,00
(A)0hr	SEEL	O95672	Endothelin-converting enzyme-like 1	ECEL1	14	23,23	41	54,67
(A)0hr	SEEL	O43854	EGF-like repeat and discoidin I-like domain-containing protein 3	EDIL3	17	33,54	80	106,67
(A)0hr	Control	P68104	Elongation factor 1-alpha 1	EEF1A1	2	4,55	6	8,00
(A)0hr	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	8	19,05	31	41,33
(A)0hr	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	7	13,85	21	28,00
(A)0hr	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	2	4,55	8	10,67
(A)0hr	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	7	13,85	24	32,00
(A)0hr	Control	P13639	Elongation factor 2	EEF2	18	21,56	77	102,67
(A)0hr	SEEL	P13639	Elongation factor 2	EEF2	16	21,79	45	60,00
(A)0hr	Control	Q15029	116 kDa U5 small nuclear ribonucleoprotein component	EFTUD2	7	8,23	14	18,67
(A)0hr	SEEL	P00533	Epidermal growth factor receptor	EGFR	24	23,14	132	176,00
(A)0hr	SEEL	P00533	Epidermal growth factor receptor	EGFR	65	58,51	1163	1550,67
(A)0hr	SEEL	P00533	Epidermal growth factor receptor	EGFR	29	29,26	164	218,67
(A)0hr	SEEL	P00533	Epidermal growth factor receptor	EGFR	17	16,20	63	84,00
(A)0hr	Control	O60841	Eukaryotic translation initiation factor 5B	EIF5B	19	17,13	56	74,67
(A)0hr	SEEL	Q9UHX3	EGF-like module-containing mucin-like hormone receptor-like 2	EMR2	2	5,22	6	8,00
(A)0hr	SEEL	P17813	Endoglin	ENG	6	12,31	20	26,67
(A)0hr	SEEL	P17813	Endoglin	ENG	10	18,84	41	54,67
(A)0hr	SEEL	P17813	Endoglin	ENG	20	32,22	221	294,67
(A)0hr	SEEL	P17813	Endoglin	ENG	7	13,68	27	36,00
(A)0hr	SEEL	P22413	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1	ENPP1	7	6,59	15	20,00
(A)0hr	SEEL	P22413	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1	ENPP1	3	3,57	6	8,00
(A)0hr	SEEL	Q9Y5L3	Ectonucleoside triphosphate diphosphohydrolase 2	ENTPD2	3	5,86	5	6,67
(A)0hr	SEEL	P29317	Ephrin type-A receptor 2	EPHA2	3	3,59	7	9,33
(A)0hr	SEEL	P29317	Ephrin type-A receptor 2	EPHA2	9	9,43	21	28,00
(A)0hr	SEEL	P29317	Ephrin type-A receptor 2	EPHA2	23	27,05	118	157,33
(A)0hr	SEEL	P29323	Ephrin type-B receptor 2	EPHB2	9	11,09	22	29,33
(A)0hr	SEEL	P54753	Ephrin type-B receptor 3	EPHB3	2	3,21	5	6,67
(A)0hr	SEEL	P54760	Ephrin type-B receptor 4	EPHB4	13	14,99	33	44,00
(A)0hr	SEEL	P54760	Ephrin type-B receptor 4	EPHB4	36	41,84	247	329,33
(A)0hr	SEEL	P54760	Ephrin type-B receptor 4	EPHB4	3	3,95	4	5,33
(A)0hr	Control	P58107	Epiplakin	EPPK1	4	1,02	10	13,33
(A)0hr	Control	P58107	Epiplakin	EPPK1	5	1,14	11	14,67
(A)0hr	SEEL	P58107	Epiplakin	EPPK1	3	0,57	10	13,33
(A)0hr	SEEL	P58107	Epiplakin	EPPK1	2	0,41	4	5,33
(A)0hr	Control	P07814	Bifunctional glutamate/proline--tRNA ligase	EPRS	11	8,07	31	41,33
(A)0hr	SEEL	P07814	Bifunctional glutamate/proline--tRNA ligase	EPRS	12	7,94	32	42,67
(A)0hr	SEEL	P04626	Receptor tyrosine-protein kinase erbB-2	ERBB2	19	15,46	103	137,33
(A)0hr	SEEL	P04626	Receptor tyrosine-protein kinase erbB-2	ERBB2	5	3,51	8	10,67
(A)0hr	SEEL	Q9BSJ8	Extended synaptotagmin-1	ESYT1	2	2,63	3	4,00
(A)0hr	Control	H7BXI1	Extended synaptotagmin-2 (Fragment)	ESYT2	11	13,12	30	40,00
(A)0hr	SEEL	H7BXI1	Extended synaptotagmin-2 (Fragment)	ESYT2	7	10,29	13	17,33
(A)0hr	Control	P49327	Fatty acid synthase	FASN	26	10,99	58	77,33
(A)0hr	SEEL	P49327	Fatty acid synthase	FASN	14	6,01	24	32,00
(A)0hr	SEEL	Q7L8L6	FAST kinase domain-containing protein 5	FASTKD5	3	3,80	6	8,00
(A)0hr	SEEL	Q14517	Protocadherin Fat 1	FAT1	47	11,79	149	198,67
(A)0hr	SEEL	Q14517	Protocadherin Fat 1	FAT1	20	4,75	45	60,00
(A)0hr	SEEL	Q6V0I7	Protocadherin Fat 4	FAT4	15	3,23	32	42,67
(A)0hr	SEEL	P35555	Fibrillin-1	FBN1	6	5,26	17	22,67
(A)0hr	SEEL	P21802	Fibroblast growth factor receptor 2	FGFR2	10	11,21	24	32,00
(A)0hr	SEEL	P20930	Filaggrin	FLG	3	0,49	8	10,67
(A)0hr	Control	Q5D862	Filaggrin-2	FLG2	5	3,26	15	20,00
(A)0hr	SEEL	Q5D862	Filaggrin-2	FLG2	3	2,34	12	16,00
(A)0hr	Control	P21333	Filamin-A	FLNA	58	28,15	217	289,33
(A)0hr	SEEL	P21333	Filamin-A	FLNA	19	9,10	40	53,33
(A)0hr	Control	O75369	Filamin-B	FLNB	7	2,92	13	17,33

(A)0hr	Control	P35637	RNA-binding protein FUS	FUS	5	10,46	20	26,67
(A)0hr	SEEL	P35637	RNA-binding protein FUS	FUS	2	3,04	5	6,67
(A)0hr	SEEL	P06241	Tyrosine-protein kinase Fyn	FYN	3	4,66	6	8,00
(A)0hr	SEEL	Q14332	Frizzled-2	FZD2	5	7,61	14	18,67
(A)0hr	SEEL	Q10472	Polypeptide N-acetylgalactosaminyltransferase 1	GALNT1	4	8,77	10	13,33
(A)0hr	Control	Q14697	Neutral alpha-glucosidase AB	GANAB	11	12,08	29	38,67
(A)0hr	SEEL	Q14697	Neutral alpha-glucosidase AB	GANAB	11	13,56	25	33,33
(A)0hr	Control	P41250	Glycine--tRNA ligase	GARS	6	8,12	10	13,33
(A)0hr	SEEL	P41250	Glycine--tRNA ligase	GARS	5	7,44	6	8,00
(A)0hr	Control	P57678	Gem-associated protein 4	GEMIN4	5	5,29	11	14,67
(A)0hr	Control	Q96RP9	Elongation factor G, mitochondrial	GFM1	3	3,46	5	6,67
(A)0hr	SEEL	P19440	Gamma-glutamyltranspeptidase 1	GGT1	9	15,64	29	38,67
(A)0hr	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	7	10,12	21	28,00
(A)0hr	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	18	25,76	90	120,00
(A)0hr	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	9	13,27	51	68,00
(A)0hr	Control	Q14161	ARF GTPase-activating protein GIT2	GIT2	19	23,98	96	128,00
(A)0hr	SEEL	P16278	Beta-galactosidase	GLB1	3	6,20	6	8,00
(A)0hr	SEEL	Q92896	Golgi apparatus protein 1	GLG1	8	6,70	18	24,00
(A)0hr	SEEL	Q92896	Golgi apparatus protein 1	GLG1	28	22,99	154	205,33
(A)0hr	SEEL	Q92896	Golgi apparatus protein 1	GLG1	2	1,87	6	8,00
(A)0hr	Control	Q9BVP2	Guanine nucleotide-binding protein-like 3	GNL3	5	9,47	13	17,33
(A)0hr	SEEL	Q9BVP2	Guanine nucleotide-binding protein-like 3	GNL3	11	22,77	38	50,67
(A)0hr	SEEL	P15586	N-acetylglucosamine-6-sulfatase	GNS	7	12,14	21	28,00
(A)0hr	SEEL	O00461	Golgi integral membrane protein 4	GOLIM4	5	9,63	14	18,67
(A)0hr	SEEL	P35052	Glypican-1	GPC1	17	37,81	95	126,67
(A)0hr	SEEL	P43304	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPD2	16	23,93	37	49,33
(A)0hr	SEEL	Q8IWK6	Probable G-protein coupled receptor 125	GPR125	8	7,04	17	22,67
(A)0hr	SEEL	Q9Y653	G-protein coupled receptor 56	GPR56	8	15,44	21	28,00
(A)0hr	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	4	17,37	25	33,33
(A)0hr	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	3	17,37	7	9,33
(A)0hr	Control	P28799	Granulins	GRN	11	20,74	59	78,67
(A)0hr	Control	P28799	Granulins	GRN	14	22,77	84	112,00
(A)0hr	SEEL	P28799	Granulins	GRN	9	17,20	29	38,67
(A)0hr	SEEL	P28799	Granulins	GRN	6	11,13	23	30,67
(A)0hr	SEEL	P78347	General transcription factor II-I	GTF2I	3	3,61	7	9,33
(A)0hr	SEEL	Q9BZE4	Nucleolar GTP-binding protein 1	GTPBP4	8	13,09	31	41,33
(A)0hr	Control	P40939	Trifunctional enzyme subunit alpha, mitochondrial	HADHA	5	6,82	11	14,67
(A)0hr	SEEL	P40939	Trifunctional enzyme subunit alpha, mitochondrial	HADHA	6	9,96	12	16,00
(A)0hr	SEEL	Q9ULI3	Protein HEG homolog 1	HEG1	10	8,33	53	70,67
(A)0hr	SEEL	Q9ULI3	Protein HEG homolog 1	HEG1	5	3,62	19	25,33
(A)0hr	Control	P10412	Histone H1.4	HIST1H1E	5	15,53	40	53,33
(A)0hr	SEEL	P10412	Histone H1.4	HIST1H1E	4	15,07	11	14,67
(A)0hr	SEEL	I6R1A7	MHC class I antigen (Fragment)	HLA-A	4	16,85	13	17,33
(A)0hr	SEEL	P01891	HLA class I histocompatibility antigen, A-68 alpha chain	HLA-A	2	7,12	6	8,00
(A)0hr	SEEL	P01891	HLA class I histocompatibility antigen, A-68 alpha chain	HLA-A	4	14,25	10	13,33
(A)0hr	Control	P61978	Heterogeneous nuclear ribonucleoprotein K	HNRNPK	11	27,65	57	76,00
(A)0hr	SEEL	P61978	Heterogeneous nuclear ribonucleoprotein K	HNRNPK	11	31,97	61	81,33
(A)0hr	Control	P14866	Heterogeneous nuclear ribonucleoprotein L	HNRNPL	6	12,90	18	24,00
(A)0hr	SEEL	P14866	Heterogeneous nuclear ribonucleoprotein L	HNRNPL	8	20,54	24	32,00
(A)0hr	Control	P52272	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	8	13,42	20	26,67
(A)0hr	SEEL	P52272	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	14	19,45	47	62,67
(A)0hr	Control	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	12	12,36	56	74,67
(A)0hr	SEEL	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	5	6,91	14	18,67
(A)0hr	SEEL	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	20	25,58	73	97,33
(A)0hr	SEEL	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	3	3,64	7	9,33
(A)0hr	Control	Q9BUJ2	Heterogeneous nuclear ribonucleoprotein U-like protein 1	HNRNPUL1	3	4,44	7	9,33
(A)0hr	Control	Q86YZ3	Hornerin	HRNR	14	8,46	93	124,00
(A)0hr	Control	Q86YZ3	Hornerin	HRNR	13	8,28	74	98,67
(A)0hr	SEEL	Q86YZ3	Hornerin	HRNR	15	9,40	73	97,33
(A)0hr	SEEL	Q86YZ3	Hornerin	HRNR	4	2,42	20	26,67
(A)0hr	SEEL	Q86YZ3	Hornerin	HRNR	2	1,26	6	8,00
(A)0hr	SEEL	Q86YZ3	Hornerin	HRNR	2	1,26	3	4,00
(A)0hr	SEEL	P07900	Heat shock protein HSP 90-alpha	HSP90AA1	7	10,25	18	24,00
(A)0hr	Control	P08238	Heat shock protein HSP 90-beta	HSP90AB1	10	12,98	43	57,33
(A)0hr	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	5	7,46	12	16,00
(A)0hr	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	14	22,10	61	81,33

(A)0hr	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	3	4,28	5	6,67
(A)0hr	Control	P14625	Endoplasmin	HSP90B1	10	11,96	30	40,00
(A)0hr	SEEL	P14625	Endoplasmin	HSP90B1	10	13,57	30	40,00
(A)0hr	SEEL	P08107	Heat shock 70 kDa protein 1A/1B	HSPA1A	6	11,70	13	17,33
(A)0hr	SEEL	P08107	Heat shock 70 kDa protein 1A/1B	HSPA1A	8	16,22	23	30,67
(A)0hr	SEEL	P08107	Heat shock 70 kDa protein 1A/1B	HSPA1A	2	4,06	6	8,00
(A)0hr	Control	P34931	Heat shock 70 kDa protein 1-like	HSPA1L	2	4,37	3	4,00
(A)0hr	Control	P11021	78 kDa glucose-regulated protein	HSPA5	43	59,17	395	526,67
(A)0hr	Control	P11021	78 kDa glucose-regulated protein	HSPA5	44	59,17	604	805,33
(A)0hr	SEEL	P11021	78 kDa glucose-regulated protein	HSPA5	22	40,06	93	124,00
(A)0hr	SEEL	P11021	78 kDa glucose-regulated protein	HSPA5	40	55,20	493	657,33
(A)0hr	Control	P11142	Heat shock cognate 71 kDa protein	HSPA8	31	49,69	272	362,67
(A)0hr	SEEL	P11142	Heat shock cognate 71 kDa protein	HSPA8	28	43,34	380	506,67
(A)0hr	SEEL	B7Z4T3	cDNA FLJ51903, highly similar to Stress-70 protein, mitochondrial	HSPA9	2	8,54	2	2,67
(A)0hr	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	8	13,55	31	41,33
(A)0hr	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	21	34,02	104	138,67
(A)0hr	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	60	61,56	1449	1932,00
(A)0hr	SEEL	P38646	Stress-70 protein, mitochondrial	HSPA9	6	11,05	18	24,00
(A)0hr	SEEL	P38646	Stress-70 protein, mitochondrial	HSPA9	27	33,58	584	778,67
(A)0hr	Control	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	21	37,17	113	150,67
(A)0hr	SEEL	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	5	11,69	12	16,00
(A)0hr	SEEL	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	5	11,34	10	13,33
(A)0hr	SEEL	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	28	42,93	237	316,00
(A)0hr	SEEL	B7Z2N4	cDNA FLJ56074, highly similar to 150 kDa oxygen-regulated protein (Orp150)	HYOU1	8	10,30	18	24,00
(A)0hr	Control	Q9Y4L1	Hypoxia up-regulated protein 1	HYOU1	16	16,72	39	52,00
(A)0hr	Control	P41252	Isoleucine--tRNA ligase, cytoplasmic	IARS	8	7,21	19	25,33
(A)0hr	SEEL	P41252	Isoleucine--tRNA ligase, cytoplasmic	IARS	7	5,94	13	17,33
(A)0hr	Control	Q9NSE4	Isoleucine--tRNA ligase, mitochondrial	IARS2	6	7,71	12	16,00
(A)0hr	SEEL	Q9NSE4	Isoleucine--tRNA ligase, mitochondrial	IARS2	4	4,94	6	8,00
(A)0hr	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	4	9,02	9	12,00
(A)0hr	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	12	25,94	46	61,33
(A)0hr	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	29	45,68	614	818,67
(A)0hr	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	18	34,21	109	145,33
(A)0hr	SEEL	Q9UMF0	Intercellular adhesion molecule 5	ICAM5	8	11,80	12	16,00
(A)0hr	SEEL	O75144	ICOS ligand	ICOSLG	3	7,62	9	12,00
(A)0hr	SEEL	P17181	Interferon alpha/beta receptor 1	IFNAR1	6	10,59	19	25,33
(A)0hr	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	5	3,51	10	13,33
(A)0hr	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	25	18,80	94	125,33
(A)0hr	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	46	37,31	460	613,33
(A)0hr	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	10	6,80	33	44,00
(A)0hr	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	86	38,10	608	810,67
(A)0hr	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	91	42,03	960	1280,00
(A)0hr	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	20	8,23	46	61,33
(A)0hr	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	4	1,77	9	12,00
(A)0hr	SEEL	O75054	Immunoglobulin superfamily member 3	IGSF3	16	17,00	39	52,00
(A)0hr	SEEL	Q969P0	Immunoglobulin superfamily member 8	IGSF8	16	37,03	119	158,67
(A)0hr	SEEL	Q9NPH3	Interleukin-1 receptor accessory protein	IL1RAP	5	8,95	13	17,33
(A)0hr	SEEL	Q9NPH3	Interleukin-1 receptor accessory protein	IL1RAP	10	16,32	28	37,33
(A)0hr	SEEL	P40189	Interleukin-6 receptor subunit beta	IL6ST	5	5,23	8	10,67
(A)0hr	Control	A1L0T0	Acetolactate synthase-like protein	ILVBL	2	3,32	4	5,33
(A)0hr	SEEL	Q16891	MICOS complex subunit MIC60	IMMT	8	12,80	16	21,33
(A)0hr	SEEL	P06213	Insulin receptor	INSR	22	13,46	83	110,67
(A)0hr	SEEL	P06213	Insulin receptor	INSR	54	34,88	457	609,33
(A)0hr	SEEL	P06213	Insulin receptor	INSR	6	4,20	14	18,67
(A)0hr	Control	P46940	Ras GTPase-activating-like protein IQGAP1	IQGAP1	5	3,86	11	14,67
(A)0hr	SEEL	P46940	Ras GTPase-activating-like protein IQGAP1	IQGAP1	8	6,88	16	21,33
(A)0hr	SEEL	Q96J02	E3 ubiquitin-protein ligase Itchy homolog	ITCH	3	2,77	5	6,67
(A)0hr	SEEL	Q8TB96	T-cell immunomodulatory protein	ITFG1	10	21,08	40	53,33
(A)0hr	SEEL	Q9H0X4	Protein ITFG3	ITFG3	5	9,60	13	17,33
(A)0hr	SEEL	Q9H0X4	Protein ITFG3	ITFG3	15	34,24	92	122,67
(A)0hr	SEEL	P56199	Integrin alpha-1	ITGA1	14	11,20	42	56,00
(A)0hr	SEEL	P56199	Integrin alpha-1	ITGA1	34	25,53	271	361,33
(A)0hr	SEEL	P17301	Integrin alpha-2	ITGA2	3	4,49	8	10,67
(A)0hr	SEEL	P17301	Integrin alpha-2	ITGA2	8	8,98	77	102,67
(A)0hr	SEEL	P17301	Integrin alpha-2	ITGA2	2	2,12	7	9,33
(A)0hr	SEEL	P26006	Integrin alpha-3	ITGA3	10	9,51	44	58,67

(A)0hr	SEEL	P26006	Integrin alpha-3	ITGA3	17	15,03	165	220,00
(A)0hr	SEEL	P26006	Integrin alpha-3	ITGA3	3	2,76	5	6,67
(A)0hr	SEEL	P08648	Integrin alpha-5	ITGA5	16	19,73	148	197,33
(A)0hr	SEEL	P08648	Integrin alpha-5	ITGA5	14	16,59	73	97,33
(A)0hr	SEEL	P08648	Integrin alpha-5	ITGA5	3	3,53	5	6,67
(A)0hr	SEEL	P23229	Integrin alpha-6	ITGA6	37	41,15	241	321,33
(A)0hr	SEEL	P23229	Integrin alpha-6	ITGA6	6	5,93	21	28,00
(A)0hr	SEEL	A5YM53	ITGAV protein	ITGAV	32	36,55	160	213,33
(A)0hr	SEEL	A5YM53	ITGAV protein	ITGAV	52	47,52	555	740,00
(A)0hr	SEEL	P06756	Integrin alpha-V	ITGAV	7	8,02	18	24,00
(A)0hr	SEEL	P05556	Integrin beta-1	ITGB1	12	16,29	39	52,00
(A)0hr	SEEL	P05556	Integrin beta-1	ITGB1	29	32,46	395	526,67
(A)0hr	SEEL	P05556	Integrin beta-1	ITGB1	28	34,96	505	673,33
(A)0hr	SEEL	P05556	Integrin beta-1	ITGB1	12	16,54	48	64,00
(A)0hr	SEEL	P16144	Integrin beta-4	ITGB4	50	30,90	265	353,33
(A)0hr	SEEL	P18084	Integrin beta-5	ITGB5	9	13,52	15	20,00
(A)0hr	SEEL	P18084	Integrin beta-5	ITGB5	32	46,18	230	306,67
(A)0hr	SEEL	P18084	Integrin beta-5	ITGB5	5	6,51	11	14,67
(A)0hr	SEEL	P26012	Integrin beta-8	ITGB8	13	18,47	50	66,67
(A)0hr	SEEL	Q9Y219	Protein jagged-2	JAG2	6	5,01	15	20,00
(A)0hr	SEEL	P14923	Junction plakoglobin	JUP	5	7,92	15	20,00
(A)0hr	SEEL	P14923	Junction plakoglobin	JUP	12	18,66	32	42,67
(A)0hr	SEEL	P14923	Junction plakoglobin	JUP	23	38,93	223	297,33
(A)0hr	SEEL	P14923	Junction plakoglobin	JUP	19	31,01	135	180,00
(A)0hr	Control	Q92945	Far upstream element-binding protein 2	KHSRP	4	6,19	6	8,00
(A)0hr	SEEL	Q92945	Far upstream element-binding protein 2	KHSRP	3	4,92	6	8,00
(A)0hr	SEEL	Q6NSJ0	Uncharacterized family 31 glucosidase KIAA1161	KIAA1161	16	21,85	54	72,00
(A)0hr	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	10	4,67	62	82,67
(A)0hr	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	7	3,23	25	33,33
(A)0hr	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	12	8,51	31	41,33
(A)0hr	SEEL	Q9ULH0	Kinase D-interacting substrate of 220 kDa	KIDINS220	25	15,08	60	80,00
(A)0hr	SEEL	Q96J84	Kin of IRRE-like protein 1	KIRREL	22	36,46	127	169,33
(A)0hr	SEEL	Q96J84	Kin of IRRE-like protein 1	KIRREL	4	8,19	10	13,33
(A)0hr	Control	Q53GT1	Kelch-like protein 22	KLHL22	16	30,76	49	65,33
(A)0hr	SEEL	Q53GT1	Kelch-like protein 22	KLHL22	5	8,36	8	10,67
(A)0hr	SEEL	Q9UMN6	Histone-lysine N-methyltransferase 2B	KMT2B	5	3,13	8	10,67
(A)0hr	SEEL	Q14974	Importin subunit beta-1	KPNB1	4	6,74	6	8,00
(A)0hr	Control	Q5T749	Keratinocyte proline-rich protein	KPRP	3	7,77	15	20,00
(A)0hr	SEEL	H3BLW5	Neural cell adhesion molecule L1 (Fragment)	L1CAM	2	18,30	21	28,00
(A)0hr	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	21	19,73	74	98,67
(A)0hr	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	40	35,08	785	1046,67
(A)0hr	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	20	18,93	86	114,67
(A)0hr	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	9	6,44	31	41,33
(A)0hr	SEEL	P24043	Laminin subunit alpha-2	LAMA2	4	2,24	9	12,00
(A)0hr	SEEL	O15230	Laminin subunit alpha-5	LAMA5	80	25,79	446	594,67
(A)0hr	SEEL	O15230	Laminin subunit alpha-5	LAMA5	41	13,48	135	180,00
(A)0hr	SEEL	P07942	Laminin subunit beta-1	LAMB1	32	19,43	127	169,33
(A)0hr	SEEL	P11047	Laminin subunit gamma-1	LAMC1	6	4,72	13	17,33
(A)0hr	SEEL	P11047	Laminin subunit gamma-1	LAMC1	34	26,04	154	205,33
(A)0hr	SEEL	P11279	Lysosome-associated membrane glycoprotein 1	LAMP1	7	15,35	30	40,00
(A)0hr	SEEL	P01130	Low-density lipoprotein receptor	LDLR	18	23,72	122	162,67
(A)0hr	SEEL	P01130	Low-density lipoprotein receptor	LDLR	7	11,28	17	22,67
(A)0hr	Control	Q08380	Galectin-3-binding protein	LGALS3BP	2	3,93	4	5,33
(A)0hr	Control	Q08380	Galectin-3-binding protein	LGALS3BP	11	16,75	60	80,00
(A)0hr	SEEL	Q08380	Galectin-3-binding protein	LGALS3BP	10	20,51	26	34,67
(A)0hr	SEEL	Q08380	Galectin-3-binding protein	LGALS3BP	11	20,17	47	62,67
(A)0hr	SEEL	Q9BXB1	Leucine-rich repeat-containing G-protein coupled receptor 4	LGR4	6	7,36	14	18,67
(A)0hr	SEEL	P42702	Leukemia inhibitory factor receptor	LIFR	11	10,48	33	44,00
(A)0hr	Control	P02545	Prelamin-A/C	LMNA	23	36,75	125	166,67
(A)0hr	SEEL	P02545	Prelamin-A/C	LMNA	29	44,28	177	236,00
(A)0hr	Control	P20700	Lamin-B1	LMNB1	3	5,97	6	8,00
(A)0hr	SEEL	P20700	Lamin-B1	LMNB1	4	8,02	11	14,67
(A)0hr	Control	Q9UIQ6	Leucyl-cystinyl aminopeptidase	LNPEP	8	8,29	17	22,67
(A)0hr	SEEL	Q9UIQ6	Leucyl-cystinyl aminopeptidase	LNPEP	33	31,90	304	405,33
(A)0hr	Control	P36776	Lon protease homolog, mitochondrial	LONP1	6	6,67	10	13,33
(A)0hr	SEEL	Q9P244	Leucine-rich repeat and fibronectin type III domain-containing protein 1	LRFN1	11	20,10	35	46,67

(A)0hr	SEEL	Q6PJG9	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	LRFN4	14	28,82	46	61,33
(A)0hr	SEEL	Q96JA1	Leucine-rich repeats and immunoglobulin-like domains protein 1	LRIG1	6	7,23	12	16,00
(A)0hr	SEEL	Q07954	Prolow-density lipoprotein receptor-related protein 1	LRP1	74	18,60	349	465,33
(A)0hr	SEEL	Q07954	Prolow-density lipoprotein receptor-related protein 1	LRP1	12	3,50	20	26,67
(A)0hr	SEEL	Q07954	Prolow-density lipoprotein receptor-related protein 1	LRP1	5	1,61	8	10,67
(A)0hr	SEEL	O75197	Low-density lipoprotein receptor-related protein 5	LRP5	13	9,97	37	49,33
(A)0hr	SEEL	B7ZLD0	LRP6 protein	LRP6	25	16,96	114	152,00
(A)0hr	SEEL	D3DQ39	Low density lipoprotein receptor-related protein 8, apolipoprotein e receptor, isoform CRA_e	LRP8	5	6,43	10	13,33
(A)0hr	SEEL	Q14114	Low-density lipoprotein receptor-related protein 8	LRP8	2	2,08	5	6,67
(A)0hr	Control	P42704	Leucine-rich PPR motif-containing protein, mitochondrial	LRPPRC	15	10,98	26	34,67
(A)0hr	SEEL	P42704	Leucine-rich PPR motif-containing protein, mitochondrial	LRPPRC	6	4,88	15	20,00
(A)0hr	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	20	29,63	84	112,00
(A)0hr	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	24	35,19	106	141,33
(A)0hr	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	29	40,37	147	196,00
(A)0hr	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	5	6,67	9	12,00
(A)0hr	SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	8	11,08	17	22,67
(A)0hr	SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	5	6,10	13	17,33
(A)0hr	SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	5	7,85	13	17,33
(A)0hr	SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	17	22,14	44	58,67
(A)0hr	SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	12	15,38	26	34,67
(A)0hr	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	16	23,62	57	76,00
(A)0hr	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	11	16,21	30	40,00
(A)0hr	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	7	11,06	16	21,33
(A)0hr	SEEL	O95274	Ly6/PLAUR domain-containing protein 3	LYPD3	5	17,63	27	36,00
(A)0hr	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	7	11,61	22	29,33
(A)0hr	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	34	47,37	333	444,00
(A)0hr	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	3	7,43	76	101,33
(A)0hr	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	23	37,15	213	284,00
(A)0hr	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	4	6,90	7	9,33
(A)0hr	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	13	17,38	54	72,00
(A)0hr	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	21	28,28	103	137,33
(A)0hr	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	37	58,07	658	877,33
(A)0hr	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	5	8,14	8	10,67
(A)0hr	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	4	6,34	8	10,67
(A)0hr	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	7	11,72	18	24,00
(A)0hr	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	32	51,59	350	466,67
(A)0hr	Control	Q9HCC0	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	6	13,68	13	17,33
(A)0hr	Control	Q9HCC0	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	35	55,06	876	1168,00
(A)0hr	SEEL	Q9HCC0	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	32	60,75	417	556,00
(A)0hr	Control	P49736	DNA replication licensing factor MCM2	MCM2	2	2,54	6	8,00
(A)0hr	SEEL	P49736	DNA replication licensing factor MCM2	MCM2	2	2,54	2	2,67
(A)0hr	Control	P25205	DNA replication licensing factor MCM3	MCM3	11	13,24	19	25,33
(A)0hr	SEEL	P25205	DNA replication licensing factor MCM3	MCM3	14	17,57	27	36,00
(A)0hr	Control	P33991	DNA replication licensing factor MCM4	MCM4	11	11,36	33	44,00
(A)0hr	SEEL	P33991	DNA replication licensing factor MCM4	MCM4	7	10,78	14	18,67
(A)0hr	Control	P33992	DNA replication licensing factor MCM5	MCM5	16	21,39	61	81,33
(A)0hr	SEEL	P33992	DNA replication licensing factor MCM5	MCM5	10	13,90	23	30,67
(A)0hr	Control	Q14566	DNA replication licensing factor MCM6	MCM6	11	14,01	44	58,67
(A)0hr	SEEL	Q14566	DNA replication licensing factor MCM6	MCM6	6	7,55	12	16,00
(A)0hr	Control	P33993	DNA replication licensing factor MCM7	MCM7	32	48,96	139	185,33
(A)0hr	SEEL	P33993	DNA replication licensing factor MCM7	MCM7	18	31,02	67	89,33
(A)0hr	SEEL	Q9P1T7	MyoD family inhibitor domain-containing protein	MDFIC	3	17,07	8	10,67
(A)0hr	SEEL	Q9H1U4	Multiple epidermal growth factor-like domains protein 9	MEGF9	13	19,77	56	74,67
(A)0hr	SEEL	P08581	Hepatocyte growth factor receptor	MET	27	21,51	190	253,33
(A)0hr	SEEL	P08581	Hepatocyte growth factor receptor	MET	29	22,59	176	234,67
(A)0hr	SEEL	P08581	Hepatocyte growth factor receptor	MET	3	2,37	9	12,00
(A)0hr	SEEL	P55082	Microfibril-associated glycoprotein 3	MFAP3	3	7,46	6	8,00
(A)0hr	SEEL	P08582	Melanotransferrin	MFI2	2	2,71	4	5,33
(A)0hr	SEEL	O60291	E3 ubiquitin-protein ligase MGRN1	MGRN1	9	23,01	45	60,00
(A)0hr	Control	P46013	Antigen KI-67	MKI67	3	1,26	8	10,67
(A)0hr	SEEL	Q9UBG0	C-type mannose receptor 2	MRC2	22	18,86	76	101,33
(A)0hr	Control	P43246	DNA mismatch repair protein Msh2	MSH2	4	4,28	10	13,33
(A)0hr	Control	Q86UE4	Protein LYRIC	MTDH	4	8,93	15	20,00
(A)0hr	Control	Q6UB35	Monofunctional C1-tetrahydrofolate synthase, mitochondrial	MTHFD1L	14	14,21	29	38,67
(A)0hr	SEEL	Q6UB35	Monofunctional C1-tetrahydrofolate synthase, mitochondrial	MTHFD1L	6	7,67	12	16,00
(A)0hr	SEEL	P15941	Mucin-1	MUC1	2	1,75	15	20,00

(A)0hr	Control	Q8WXI7	Mucin-16	MUC16	5	0,27	20	26,67
(A)0hr	SEEL	Q8WXI7	Mucin-16	MUC16	5	0,28	29	38,67
(A)0hr	SEEL	Q8WXI7	Mucin-16	MUC16	13	0,70	33	44,00
(A)0hr	Control	Q14764	Major vault protein	MVP	11	12,88	22	29,33
(A)0hr	Control	Q9BQG0	Myb-binding protein 1A	MYBBP1A	15	11,14	35	46,67
(A)0hr	SEEL	Q9BQG0	Myb-binding protein 1A	MYBBP1A	16	11,97	33	44,00
(A)0hr	Control	P35580	Myosin-10	MYH10	2	1,77	9	12,00
(A)0hr	Control	P35579	Myosin-9	MYH9	24	12,96	59	78,67
(A)0hr	Control	Q12965	Unconventional myosin-Ie	MYO1E	7	6,86	20	26,67
(A)0hr	SEEL	Q9NZM1	Myoferlin	MYOF	8	4,32	13	17,33
(A)0hr	SEEL	Q9NZM1	Myoferlin	MYOF	51	28,48	215	286,67
(A)0hr	SEEL	Q9NZM1	Myoferlin	MYOF	6	3,35	10	13,33
(A)0hr	Control	Q9H0A0	N-acetyltransferase 10	NAT10	6	6,05	13	17,33
(A)0hr	SEEL	Q9H0A0	N-acetyltransferase 10	NAT10	11	12,00	22	29,33
(A)0hr	Control	P19338	Nucleolin	NCL	8	12,54	15	20,00
(A)0hr	SEEL	Q969V3	Nicalin	NCLN	6	13,14	22	29,33
(A)0hr	SEEL	Q68D85	Natural cytotoxicity triggering receptor 3 ligand 1	NCR3LG1	5	13,44	9	12,00
(A)0hr	SEEL	Q68D85	Natural cytotoxicity triggering receptor 3 ligand 1	NCR3LG1	13	27,75	71	94,67
(A)0hr	SEEL	Q92542	Nicastrin	NCSTN	9	13,54	49	65,33
(A)0hr	SEEL	Q92542	Nicastrin	NCSTN	13	20,87	157	209,33
(A)0hr	SEEL	Q92542	Nicastrin	NCSTN	3	7,90	6	8,00
(A)0hr	SEEL	Q92859	Neogenin	NEO1	21	19,23	69	92,00
(A)0hr	Control	P30414	NK-tumor recognition protein	NKTR	13	11,97	38	50,67
(A)0hr	SEEL	Q8NFZ4	Neuroligin-2	NLGN2	4	6,23	7	9,33
(A)0hr	Control	Q13423	NAD(P) transhydrogenase, mitochondrial	NNT	11	9,39	21	28,00
(A)0hr	Control	Q15233	Non-POU domain-containing octamer-binding protein	NONO	4	6,79	15	20,00
(A)0hr	SEEL	Q15233	Non-POU domain-containing octamer-binding protein	NONO	4	6,79	21	28,00
(A)0hr	Control	O00567	Nucleolar protein 56	NOP56	9	14,65	46	61,33
(A)0hr	SEEL	O00567	Nucleolar protein 56	NOP56	8	12,96	27	36,00
(A)0hr	Control	Q9Y2X3	Nucleolar protein 58	NOP58	4	9,07	13	17,33
(A)0hr	SEEL	Q9Y2X3	Nucleolar protein 58	NOP58	5	11,72	15	20,00
(A)0hr	SEEL	P46531	Neurogenic locus notch homolog protein 1	NOTCH1	5	2,00	11	14,67
(A)0hr	SEEL	P46531	Neurogenic locus notch homolog protein 1	NOTCH1	6	3,13	18	24,00
(A)0hr	SEEL	P46531	Neurogenic locus notch homolog protein 1	NOTCH1	6	2,58	19	25,33
(A)0hr	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	14	6,19	87	116,00
(A)0hr	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	26	13,07	141	188,00
(A)0hr	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	18	7,93	84	112,00
(A)0hr	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	9	4,33	38	50,67
(A)0hr	SEEL	P16066	Atrial natriuretic peptide receptor 1	NPR1	26	28,28	91	121,33
(A)0hr	SEEL	P17342	Atrial natriuretic peptide receptor 3	NPR3	15	30,31	79	105,33
(A)0hr	SEEL	Q9Y639	Neuroplastin	NPTN	8	20,10	42	56,00
(A)0hr	SEEL	Q9Y639	Neuroplastin	NPTN	9	21,61	82	109,33
(A)0hr	SEEL	Q92823	Neuronal cell adhesion molecule	NRCAM	7	5,98	14	18,67
(A)0hr	SEEL	Q92823	Neuronal cell adhesion molecule	NRCAM	9	8,59	18	24,00
(A)0hr	SEEL	O14786	Neuropilin-1	NRP1	11	14,63	47	62,67
(A)0hr	SEEL	Q59F20	Neuropilin-1 variant (Fragment)	NRP1	21	34,94	99	132,00
(A)0hr	SEEL	Q68DN3	Putative uncharacterized protein DKFZp781F1414	NRP1	16	22,64	62	82,67
(A)0hr	SEEL	O60462	Neuropilin-2	NRP2	5	6,77	10	13,33
(A)0hr	Control	Q08J23	tRNA (cytosine(34)-C(5))-methyltransferase	NSUN2	9	13,30	17	22,67
(A)0hr	SEEL	Q08J23	tRNA (cytosine(34)-C(5))-methyltransferase	NSUN2	4	5,61	5	6,67
(A)0hr	SEEL	P21589	5'-nucleotidase	NT5E	13	28,05	49	65,33
(A)0hr	SEEL	A0A024R5M9	Nuclear mitotic apparatus protein 1, isoform CRA_a	NUMA1	38	21,51	96	128,00
(A)0hr	Control	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	4	2,27	8	10,67
(A)0hr	Control	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	39	21,56	106	141,33
(A)0hr	SEEL	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	21	10,54	47	62,67
(A)0hr	SEEL	O75694	Nuclear pore complex protein Nup155	NUP155	5	5,32	7	9,33
(A)0hr	Control	Q12769	Nuclear pore complex protein Nup160	NUP160	3	2,23	7	9,33
(A)0hr	Control	Q92621	Nuclear pore complex protein Nup205	NUP205	8	5,37	15	20,00
(A)0hr	SEEL	Q92621	Nuclear pore complex protein Nup205	NUP205	10	6,71	19	25,33
(A)0hr	Control	Q8TEM1	Nuclear pore membrane glycoprotein 210	NUP210	18	10,39	50	66,67
(A)0hr	SEEL	Q8TEM1	Nuclear pore membrane glycoprotein 210	NUP210	15	8,69	27	36,00
(A)0hr	SEEL	Q8TEM1	Nuclear pore membrane glycoprotein 210	NUP210	18	10,17	42	56,00
(A)0hr	Control	Q8N1F7	Nuclear pore complex protein Nup93	NUP93	16	21,00	44	58,67
(A)0hr	SEEL	Q8N1F7	Nuclear pore complex protein Nup93	NUP93	5	6,35	9	12,00
(A)0hr	Control	Q9UBU9	Nuclear RNA export factor 1	NXF1	5	8,56	10	13,33
(A)0hr	SEEL	Q9UBU9	Nuclear RNA export factor 1	NXF1	12	21,97	27	36,00

(A)0hr	Control	Q5VST9	Obscurin	OBSCN	5	0,77	9	12,00
(A)0hr	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	22	24,24	104	138,67
(A)0hr	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	57	48,78	886	1181,33
(A)0hr	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	18	20,53	53	70,67
(A)0hr	Control	Q9ULD0	2-oxoglutarate dehydrogenase-like, mitochondrial	OGDHL	3	2,77	8	10,67
(A)0hr	SEEL	Q99650	Oncostatin-M-specific receptor subunit beta	OSMR	8	9,09	16	21,33
(A)0hr	Control	P11940	Polyadenylate-binding protein 1	PABPC1	8	13,52	20	26,67
(A)0hr	SEEL	P09874	Poly [ADP-ribose] polymerase 1	PARP1	8	9,47	12	16,00
(A)0hr	Control	Q86U86	Protein polybromo-1	PBRM1	5	3,20	17	22,67
(A)0hr	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	39	39,30	276	368,00
(A)0hr	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	66	60,19	1038	1384,00
(A)0hr	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	87	73,94	3696	4928,00
(A)0hr	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	48	44,74	342	456,00
(A)0hr	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	41	40,15	257	342,67
(A)0hr	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	57	54,16	556	741,33
(A)0hr	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	77	75,04	1771	2361,33
(A)0hr	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	35	37,35	185	246,67
(A)0hr	Control	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	17	21,15	48	64,00
(A)0hr	Control	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	50	61,68	808	1077,33
(A)0hr	SEEL	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	5	7,01	9	12,00
(A)0hr	SEEL	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	44	58,52	479	638,67
(A)0hr	Control	P05166	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	3	6,68	9	12,00
(A)0hr	Control	P05166	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	5	10,76	16	21,33
(A)0hr	SEEL	P05166	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	4	10,39	9	12,00
(A)0hr	SEEL	F5GWJ1	Protocadherin-7	PCDH7	23	22,39	131	174,67
(A)0hr	SEEL	O60245	Protocadherin-7	PCDH7	18	22,26	137	182,67
(A)0hr	SEEL	O60245	Protocadherin-7	PCDH7	6	7,20	20	26,67
(A)0hr	SEEL	Q9H6A9	Pecanex-like protein 3	PCNXL3	6	2,95	14	18,67
(A)0hr	SEEL	Q9H6A9	Pecanex-like protein 3	PCNXL3	8	4,38	17	22,67
(A)0hr	SEEL	Q8WUM4	Programmed cell death 6-interacting protein	PDCD6IP	9	10,25	20	26,67
(A)0hr	Control	P08559	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	PDHA1	9	18,21	28	37,33
(A)0hr	Control	P08559	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	PDHA1	5	12,05	14	18,67
(A)0hr	SEEL	O00541	Pescadillo homolog	PES1	5	9,69	15	20,00
(A)0hr	SEEL	M4QHP2	PIEZO1	PIEZO1	3	1,43	30	40,00
(A)0hr	SEEL	Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	4	1,82	54	72,00
(A)0hr	SEEL	Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	22	12,65	63	84,00
(A)0hr	SEEL	Q9H5I5	Piezo-type mechanosensitive ion channel component 2	PIEZO2	17	7,09	38	50,67
(A)0hr	Control	P14618	Pyruvate kinase PKM	PKM	22	43,50	75	100,00
(A)0hr	SEEL	P14618	Pyruvate kinase PKM	PKM	2	3,95	3	4,00
(A)0hr	SEEL	P14618	Pyruvate kinase PKM	PKM	4	9,42	28	37,33
(A)0hr	Control	Q99959	Plakophilin-2	PKP2	4	4,65	6	8,00
(A)0hr	SEEL	Q8IV08	Phospholipase D3	PLD3	4	7,35	6	8,00
(A)0hr	Control	Q15149	Plectin	PLEC	76	17,27	186	248,00
(A)0hr	Control	Q15149	Plectin	PLEC	77	17,51	183	244,00
(A)0hr	SEEL	Q15149	Plectin	PLEC	110	24,66	300	400,00
(A)0hr	SEEL	Q15149	Plectin	PLEC	67	15,95	150	200,00
(A)0hr	SEEL	Q15149	Plectin	PLEC	5	0,94	10	13,33
(A)0hr	SEEL	O00469	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	PLOD2	6	8,55	13	17,33
(A)0hr	SEEL	Q9UIW2	Plexin-A1	PLXNA1	15	7,91	40	53,33
(A)0hr	SEEL	Q9UIW2	Plexin-A1	PLXNA1	61	38,34	461	614,67
(A)0hr	SEEL	Q9UIW2	Plexin-A1	PLXNA1	7	3,85	17	22,67
(A)0hr	SEEL	O75051	Plexin-A2	PLXNA2	9	5,49	19	25,33
(A)0hr	SEEL	O43157	Plexin-B1	PLXNB1	2	1,78	6	8,00
(A)0hr	SEEL	O43157	Plexin-B1	PLXNB1	8	5,57	31	41,33
(A)0hr	SEEL	O43157	Plexin-B1	PLXNB1	21	11,99	78	104,00
(A)0hr	SEEL	O43157	Plexin-B1	PLXNB1	7	4,59	27	36,00
(A)0hr	SEEL	A0PK02	PLXNB2 protein	PLXNB2	2	6,32	7	9,33
(A)0hr	SEEL	O15031	Plexin-B2	PLXNB2	7	4,24	19	25,33
(A)0hr	SEEL	O15031	Plexin-B2	PLXNB2	36	24,86	339	452,00
(A)0hr	SEEL	O15031	Plexin-B2	PLXNB2	47	23,45	381	508,00
(A)0hr	SEEL	O15031	Plexin-B2	PLXNB2	32	17,68	342	456,00
(A)0hr	SEEL	Q9Y4D7	Plexin-D1	PLXND1	10	6,70	22	29,33
(A)0hr	SEEL	Q9Y4D7	Plexin-D1	PLXND1	29	20,36	191	254,67
(A)0hr	Control	O00592	Podocalyxin	PODXL	4	7,89	14	18,67
(A)0hr	SEEL	O00592	Podocalyxin	PODXL	8	14,87	51	68,00
(A)0hr	SEEL	O00592	Podocalyxin	PODXL	18	26,88	341	454,67

(A)0hr	SEEL	O00592	Podocalyxin	PODXL	5	9,14	12	16,00
(A)0hr	SEEL	O00592	Podocalyxin	PODXL	5	9,68	17	22,67
(A)0hr	SEEL	Q9NZ53	Podocalyxin-like protein 2	PODXL2	2	4,13	10	13,33
(A)0hr	Control	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	50	12,33	130	173,33
(A)0hr	Control	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	24	5,84	49	65,33
(A)0hr	SEEL	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	116	28,13	454	605,33
(A)0hr	SEEL	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	22	5,67	40	53,33
(A)0hr	Control	O75400	Pre-mRNA-processing factor 40 homolog A	PRPF40A	3	3,24	9	12,00
(A)0hr	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	10	10,53	29	38,67
(A)0hr	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	24	23,44	91	121,33
(A)0hr	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	3	3,18	5	6,67
(A)0hr	SEEL	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	5	4,67	7	9,33
(A)0hr	SEEL	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	7	7,94	19	25,33
(A)0hr	Control	O94906	Pre-mRNA-processing factor 6	PRPF6	3	2,98	6	8,00
(A)0hr	Control	Q6P2Q9	Pre-mRNA-processing-splicing factor 8	PRPF8	39	16,19	116	154,67
(A)0hr	SEEL	Q6P2Q9	Pre-mRNA-processing-splicing factor 8	PRPF8	15	6,04	30	40,00
(A)0hr	SEEL	P0CW18	Serine protease 56	PRSS56	13	22,72	60	80,00
(A)0hr	SEEL	P07602	Prosaposin	PSAP	9	16,79	30	40,00
(A)0hr	Control	Q13200	26S proteasome non-ATPase regulatory subunit 2	PSMD2	4	5,29	8	10,67
(A)0hr	Control	O43242	26S proteasome non-ATPase regulatory subunit 3	PSMD3	15	29,78	43	57,33
(A)0hr	SEEL	O43242	26S proteasome non-ATPase regulatory subunit 3	PSMD3	15	30,52	37	49,33
(A)0hr	SEEL	P26599	Polypyrimidine tract-binding protein 1	PTBP1	6	14,69	19	25,33
(A)0hr	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	9	9,90	22	29,33
(A)0hr	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	4	3,53	34	45,33
(A)0hr	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	4	3,53	61	81,33
(A)0hr	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	3	3,41	13	17,33
(A)0hr	SEEL	Q13308	Inactive tyrosine-protein kinase 7	PTK7	13	13,46	31	41,33
(A)0hr	SEEL	Q9P035	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	PTPLAD1	5	14,36	14	18,67
(A)0hr	SEEL	Q9P035	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	PTPLAD1	2	9,67	6	8,00
(A)0hr	SEEL	P18433	Receptor-type tyrosine-protein phosphatase alpha	PTPRA	29	37,78	191	254,67
(A)0hr	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	5	3,25	7	9,33
(A)0hr	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	51	34,14	494	658,67
(A)0hr	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	50	34,82	307	409,33
(A)0hr	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	5	3,15	12	16,00
(A)0hr	SEEL	P23470	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	32	26,71	215	286,67
(A)0hr	SEEL	P23470	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	3	2,01	5	6,67
(A)0hr	SEEL	P23470	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	2	1,73	4	5,33
(A)0hr	SEEL	Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	10	10,32	32	42,67
(A)0hr	SEEL	Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	30	26,25	270	360,00
(A)0hr	SEEL	Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	2	1,94	3	4,00
(A)0hr	SEEL	E9PGC5	Receptor-type tyrosine-protein phosphatase kappa	PTPRK	29	24,39	156	208,00
(A)0hr	SEEL	D6W632	Protein tyrosine phosphatase, receptor type, S, isoform CRA_b	PTPRS	2	3,19	10	13,33
(A)0hr	SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	17	12,06	172	229,33
(A)0hr	SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	20	16,38	72	96,00
(A)0hr	SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	8	5,29	27	36,00
(A)0hr	Control	Q9UHX1	Poly(U)-binding-splicing factor PUF60	PUF60	13	25,76	49	65,33
(A)0hr	SEEL	Q9UHX1	Poly(U)-binding-splicing factor PUF60	PUF60	13	29,34	38	50,67
(A)0hr	SEEL	A8K4I1	cDNA FLJ75404	PVR	9	23,26	53	70,67
(A)0hr	SEEL	A8K4I1	cDNA FLJ75404	PVR	10	24,70	304	405,33
(A)0hr	SEEL	P15151	Poliovirus receptor	PVR	4	11,03	12	16,00
(A)0hr	SEEL	Q15223	Nectin-1	PVRL1	3	6,38	10	13,33
(A)0hr	SEEL	Q92692	Nectin-2	PVRL2	5	10,04	14	18,67
(A)0hr	SEEL	Q92692	Nectin-2	PVRL2	3	6,69	20	26,67
(A)0hr	SEEL	Q9UEI6	Polio virus related protein 2, alpha isoform (Fragment)	PVRL2	2	4,45	33	44,00
(A)0hr	SEEL	Q9NQS3	Nectin-3	PVRL3	11	20,58	34	45,33
(A)0hr	SEEL	Q92626	Peroxidasin homolog	PXDN	5	3,38	9	12,00
(A)0hr	SEEL	Q6ZRP7	Sulfhydryl oxidase 2	QSOX2	17	28,94	60	80,00
(A)0hr	SEEL	P61026	Ras-related protein Rab-10	RAB10	5	29,00	15	20,00
(A)0hr	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	5	19,91	10	13,33
(A)0hr	SEEL	P49792	E3 SUMO-protein ligase RanBP2	RANBP2	5	1,52	7	9,33
(A)0hr	SEEL	P54136	Arginine--tRNA ligase, cytoplasmic	RARS	7	10,30	10	13,33
(A)0hr	Control	Q7Z6E9	E3 ubiquitin-protein ligase RBBP6	RBBP6	5	2,85	8	10,67
(A)0hr	Control	Q7Z6E9	E3 ubiquitin-protein ligase RBBP6	RBBP6	12	6,03	35	46,67
(A)0hr	Control	Q96PK6	RNA-binding protein 14	RBM14	15	25,41	48	64,00
(A)0hr	SEEL	Q96PK6	RNA-binding protein 14	RBM14	16	25,86	61	81,33
(A)0hr	Control	Q96T37	Putative RNA-binding protein 15	RBM15	2	3,28	4	5,33

(A)0hr	Control	P49756	RNA-binding protein 25	RBM25	3	4,98	8	10,67
(A)0hr	Control	Q14498	RNA-binding protein 39	RBM39	4	9,06	8	10,67
(A)0hr	SEEL	Q14498	RNA-binding protein 39	RBM39	4	9,06	7	9,33
(A)0hr	SEEL	Q2M1J3	ROBO1 protein	ROBO1	38	27,26	319	425,33
(A)0hr	SEEL	Q9Y6N7	Roundabout homolog 1	ROBO1	22	16,84	60	80,00
(A)0hr	SEEL	Q9Y6N7	Roundabout homolog 1	ROBO1	53	35,80	532	709,33
(A)0hr	SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	9	10,07	19	25,33
(A)0hr	SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	23	21,42	150	200,00
(A)0hr	SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	7	8,70	25	33,33
(A)0hr	SEEL	M0QYS1	60S ribosomal protein L13a (Fragment)	RPL13A	5	19,05	11	14,67
(A)0hr	SEEL	Q5QTS3	FWP004	RPL13A	8	31,03	19	25,33
(A)0hr	SEEL	P61313	60S ribosomal protein L15	RPL15	5	25,98	22	29,33
(A)0hr	SEEL	P39023	60S ribosomal protein L3	RPL3	5	9,18	11	14,67
(A)0hr	SEEL	P39023	60S ribosomal protein L3	RPL3	3	7,20	8	10,67
(A)0hr	Control	P04843	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	RPN1	14	25,04	44	58,67
(A)0hr	SEEL	P04843	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	RPN1	18	31,47	64	85,33
(A)0hr	Control	P04844	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	RPN2	10	19,97	46	61,33
(A)0hr	SEEL	P04844	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	RPN2	12	24,41	64	85,33
(A)0hr	SEEL	P62280	40S ribosomal protein S11	RPS11	5	24,05	15	20,00
(A)0hr	SEEL	P62280	40S ribosomal protein S11	RPS11	4	23,42	8	10,67
(A)0hr	SEEL	P15880	40S ribosomal protein S2	RPS2	5	17,75	10	13,33
(A)0hr	SEEL	P15880	40S ribosomal protein S2	RPS2	5	17,75	16	21,33
(A)0hr	SEEL	P15880	40S ribosomal protein S2	RPS2	3	10,92	6	8,00
(A)0hr	SEEL	P15880	40S ribosomal protein S2	RPS2	6	20,14	26	34,67
(A)0hr	SEEL	P62266	40S ribosomal protein S23	RPS23	4	29,37	12	16,00
(A)0hr	SEEL	P62266	40S ribosomal protein S23	RPS23	4	22,38	8	10,67
(A)0hr	SEEL	P23396	40S ribosomal protein S3	RPS3	8	32,92	21	28,00
(A)0hr	SEEL	P23396	40S ribosomal protein S3	RPS3	9	31,69	25	33,33
(A)0hr	SEEL	P23396	40S ribosomal protein S3	RPS3	9	35,80	26	34,67
(A)0hr	SEEL	P62753	40S ribosomal protein S6	RPS6	3	12,85	12	16,00
(A)0hr	SEEL	P62753	40S ribosomal protein S6	RPS6	3	12,85	13	17,33
(A)0hr	SEEL	P46781	40S ribosomal protein S9	RPS9	5	25,77	12	16,00
(A)0hr	SEEL	P46781	40S ribosomal protein S9	RPS9	6	28,35	13	17,33
(A)0hr	Control	Q9P2E9	Ribosome-binding protein 1	RRBP1	8	6,52	13	17,33
(A)0hr	Control	P23921	Ribonucleoside-diphosphate reductase large subunit	RRM1	6	8,84	14	18,67
(A)0hr	SEEL	Q5JTH9	RRP12-like protein	RRP12	4	3,08	8	10,67
(A)0hr	SEEL	Q86UN3	Reticulon-4 receptor-like 2	RTN4RL2	11	28,81	80	106,67
(A)0hr	SEEL	P34925	Tyrosine-protein kinase RYK	RYK	4	6,79	11	14,67
(A)0hr	SEEL	Q6UWP8	Suprabasin	SBSN	2	6,10	3	4,00
(A)0hr	SEEL	A0A024RBS4	Scavenger receptor class B, member 1, isoform CRA_b	SCARB1	12	21,02	72	96,00
(A)0hr	SEEL	A0A024RBS4	Scavenger receptor class B, member 1, isoform CRA_b	SCARB1	15	28,09	132	176,00
(A)0hr	Control	Q14160	Protein scribble homolog	SCRIB	5	2,82	10	13,33
(A)0hr	SEEL	Q14160	Protein scribble homolog	SCRIB	6	3,62	10	13,33
(A)0hr	Control	P31040	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	7	12,05	23	30,67
(A)0hr	SEEL	P31040	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	6	11,45	25	33,33
(A)0hr	Control	B4DSQ5	cDNA FLJ53608, highly similar to Protein transport protein Sec23A	SEC23A	5	7,07	11	14,67
(A)0hr	Control	P53992	Protein transport protein Sec24C	SEC24C	4	4,39	9	12,00
(A)0hr	SEEL	Q9C0C4	Semaphorin-4C	SEMA4C	3	5,28	4	5,33
(A)0hr	SEEL	Q8NFY4	Semaphorin-6D	SEMA6D	6	5,31	15	20,00
(A)0hr	SEEL	B3KNK2	cDNA FLJ14770 fis, clone NT2RP3004207, highly similar to Homo sapiens seizure related 6 homolog (mouse)-like 2 (SEZ6L2), transcript variant 1, mRNA	SEZ6L2	6	8,16	14	18,67
(A)0hr	SEEL	O75533	Splicing factor 3B subunit 1	SF3B1	5	3,99	14	18,67
(A)0hr	Control	P23246	Splicing factor, proline- and glutamine-rich	SFPQ	5	8,77	17	22,67
(A)0hr	SEEL	P23246	Splicing factor, proline- and glutamine-rich	SFPQ	4	6,22	14	18,67
(A)0hr	SEEL	P78324	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	7	18,06	39	52,00
(A)0hr	SEEL	P55011	Solute carrier family 12 member 2	SLC12A2	10	11,39	25	33,33
(A)0hr	SEEL	P55011	Solute carrier family 12 member 2	SLC12A2	11	11,55	20	26,67
(A)0hr	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	13	13,11	43	57,33
(A)0hr	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	26	25,58	146	194,67
(A)0hr	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	5	6,00	25	33,33
(A)0hr	Control	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	3	11,04	8	10,67
(A)0hr	Control	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	2	8,54	8	10,67
(A)0hr	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	5	11,25	24	32,00
(A)0hr	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	5	11,25	33	44,00
(A)0hr	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	3	11,04	16	21,33
(A)0hr	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	4	11,04	22	29,33
(A)0hr	Control	O15427	Monocarboxylate transporter 4	SLC16A3	3	7,31	9	12,00

(A)0hr	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	3	7,31	10	13,33
(A)0hr	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	3	7,31	19	25,33
(A)0hr	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	3	7,31	8	10,67
(A)0hr	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	2	5,59	12	16,00
(A)0hr	Control	Q15758	Neutral amino acid transporter B(0)	SLC1A5	6	13,31	14	18,67
(A)0hr	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	4	9,80	8	10,67
(A)0hr	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	6	14,05	24	32,00
(A)0hr	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	7	15,90	25	33,33
(A)0hr	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	10	22,00	74	98,67
(A)0hr	Control	O75746	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12	2	2,95	4	5,33
(A)0hr	SEEL	O75746	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12	4	7,08	7	9,33
(A)0hr	Control	Q9UJS0	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13	13	20,15	46	61,33
(A)0hr	SEEL	Q9UJS0	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13	15	28,00	61	81,33
(A)0hr	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	7	15,47	31	41,33
(A)0hr	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	7	15,47	31	41,33
(A)0hr	Control	P05141	ADP/ATP translocase 2	SLC25A5	2	8,05	6	8,00
(A)0hr	Control	P05141	ADP/ATP translocase 2	SLC25A5	6	17,79	11	14,67
(A)0hr	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	18	24,00
(A)0hr	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	19	25,33
(A)0hr	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	10	13,33
(A)0hr	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	13	17,33
(A)0hr	Control	P12236	ADP/ATP translocase 3	SLC25A6	2	8,05	8	10,67
(A)0hr	SEEL	P12236	ADP/ATP translocase 3	SLC25A6	3	10,07	13	17,33
(A)0hr	SEEL	P12236	ADP/ATP translocase 3	SLC25A6	2	8,05	8	10,67
(A)0hr	SEEL	Q99808	Equilibrative nucleoside transporter 1	SLC29A1	2	6,58	8	10,67
(A)0hr	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	16	21,33
(A)0hr	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	16	21,33
(A)0hr	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	11	14,67
(A)0hr	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	14	18,67
(A)0hr	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	3	5,44	11	14,67
(A)0hr	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	4	9,48	17	22,67
(A)0hr	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	2	4,03	6	8,00
(A)0hr	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	11	23,47	38	50,67
(A)0hr	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	7	17,16	18	24,00
(A)0hr	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	7	17,95	29	38,67
(A)0hr	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	5	9,03	16	21,33
(A)0hr	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	6	9,24	33	44,00
(A)0hr	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	6	9,24	27	36,00
(A)0hr	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	5	7,39	22	29,33
(A)0hr	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	3	9,49	12	16,00
(A)0hr	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	5	14,03	22	29,33
(A)0hr	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	5	14,03	25	33,33
(A)0hr	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	4	10,87	14	18,67
(A)0hr	SEEL	Q9ULF5	Zinc transporter ZIP10	SLC39A10	7	7,46	30	40,00
(A)0hr	SEEL	Q9ULF5	Zinc transporter ZIP10	SLC39A10	5	5,78	18	24,00
(A)0hr	SEEL	Q9ULF5	Zinc transporter ZIP10	SLC39A10	9	12,64	72	96,00
(A)0hr	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	4	10,98	47	62,67
(A)0hr	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	5	11,18	53	70,67
(A)0hr	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	4	10,98	30	40,00
(A)0hr	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	3	9,15	21	28,00
(A)0hr	SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	5	7,02	18	24,00
(A)0hr	SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	3	5,83	14	18,67
(A)0hr	SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	5	5,83	32	42,67
(A)0hr	SEEL	F5GZS6	4F2 cell-surface antigen heavy chain	SLC3A2	36	51,09	1429	1905,33
(A)0hr	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	4	7,46	6	8,00
(A)0hr	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	6	11,11	14	18,67
(A)0hr	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	16	24,92	82	109,33
(A)0hr	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	18	29,52	58	77,33
(A)0hr	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	21	30,48	229	305,33
(A)0hr	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	23	33,33	451	601,33
(A)0hr	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	31	41,27	1307	1742,67
(A)0hr	SEEL	A0A024R798	Solute carrier family 44, member 2, isoform CRA_b	SLC44A2	5	7,24	13	17,33
(A)0hr	SEEL	A0A024R798	Solute carrier family 44, member 2, isoform CRA_b	SLC44A2	12	14,77	56	74,67
(A)0hr	SEEL	P04920	Anion exchange protein 2	SLC4A2	32	31,02	179	238,67
(A)0hr	SEEL	B5M450	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	7	6,61	16	21,33
(A)0hr	SEEL	B5M450	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	5	5,12	15	20,00

(A)0hr	SEEL	P31641	Sodium- and chloride-dependent taurine transporter	SLC6A6	5	8,23	14	18,67
(A)0hr	SEEL	P31641	Sodium- and chloride-dependent taurine transporter	SLC6A6	7	11,94	26	34,67
(A)0hr	SEEL	P48067	Sodium- and chloride-dependent glycine transporter 1	SLC6A9	3	4,25	7	9,33
(A)0hr	SEEL	P30825	High affinity cationic amino acid transporter 1	SLC7A1	2	2,86	4	5,33
(A)0hr	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	3	6,99	13	17,33
(A)0hr	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	4	8,18	30	40,00
(A)0hr	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	3	6,79	13	17,33
(A)0hr	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	3	5,99	13	17,33
(A)0hr	Control	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	3	8,09	8	10,67
(A)0hr	Control	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	3	8,09	7	9,33
(A)0hr	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	10	15,38	226	301,33
(A)0hr	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	11	15,78	251	334,67
(A)0hr	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	7	15,38	151	201,33
(A)0hr	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	10	18,34	184	245,33
(A)0hr	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	2	3,30	5	6,67
(A)0hr	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	3	9,13	20	26,67
(A)0hr	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	3	9,13	8	10,67
(A)0hr	Control	P51532	Transcription activator BRG1	SMARCA4	6	4,19	14	18,67
(A)0hr	Control	Q14683	Structural maintenance of chromosomes protein 1A	SMC1A	12	9,98	21	28,00
(A)0hr	SEEL	Q14683	Structural maintenance of chromosomes protein 1A	SMC1A	12	9,98	23	30,67
(A)0hr	Control	Q9UQE7	Structural maintenance of chromosomes protein 3	SMC3	13	12,33	27	36,00
(A)0hr	SEEL	Q9UQE7	Structural maintenance of chromosomes protein 3	SMC3	10	9,04	20	26,67
(A)0hr	SEEL	Q92485	Acid sphingomyelinase-like phosphodiesterase 3b	SMPDL3B	7	20,00	56	74,67
(A)0hr	Control	B3KU67	cDNA FLJ39264 fis, clone OCBBF2009603, highly similar to Staphylococcal nuclease domain-containing protein 1	SND1	12	14,56	32	42,67
(A)0hr	SEEL	Q7KZF4	Staphylococcal nuclease domain-containing protein 1	SND1	2	2,64	3	4,00
(A)0hr	Control	O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	SNRNP200	33	15,59	106	141,33
(A)0hr	SEEL	O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	SNRNP200	18	8,71	41	54,67
(A)0hr	SEEL	Q96PQ0	VPS10 domain-containing receptor SorCS2	SORCS2	24	22,78	77	102,67
(A)0hr	SEEL	Q5DT21	Serine protease inhibitor Kazal-type 9	SPINK9	2	50,00	7	9,33
(A)0hr	SEEL	O43278	Kunitz-type protease inhibitor 1	SPINT1	7	13,04	22	29,33
(A)0hr	Control	Q01082	Spectrin beta chain, non-erythrocytic 1	SPTBN1	6	2,79	10	13,33
(A)0hr	SEEL	Q13501	Sequestosome-1	SQSTM1	3	9,32	11	14,67
(A)0hr	Control	A0A024QZH6	Serine arginine-rich pre-mRNA splicing factor SR-A1, isoform CRA_a	SR-A1	3	3,58	8	10,67
(A)0hr	Control	Q96SB4	SRSF protein kinase 1	SRPK1	3	4,12	6	8,00
(A)0hr	Control	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	8	10,84	29	38,67
(A)0hr	Control	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	11	17,26	45	60,00
(A)0hr	SEEL	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	10	17,15	28	37,33
(A)0hr	SEEL	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	8	13,38	26	34,67
(A)0hr	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	65	29,72	573	764,00
(A)0hr	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	25	11,70	81	108,00
(A)0hr	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	8	3,52	22	29,33
(A)0hr	SEEL	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	51	22,49	257	342,67
(A)0hr	SEEL	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	3	1,85	6	8,00
(A)0hr	SEEL	Q05519	Serine/arginine-rich splicing factor 11	SRSF11	2	8,68	4	5,33
(A)0hr	SEEL	Q658P3	Metalloreductase STEAP3	STEAP3	2	4,71	4	5,33
(A)0hr	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	5	16,99	10	13,33
(A)0hr	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	11	32,03	53	70,67
(A)0hr	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	9	28,54	40	53,33
(A)0hr	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	8	23,53	38	50,67
(A)0hr	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	6	26,74	22	29,33
(A)0hr	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	5	21,53	19	25,33
(A)0hr	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	3	12,50	10	13,33
(A)0hr	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	6	24,31	19	25,33
(A)0hr	SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	3	5,25	8	10,67
(A)0hr	SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	5	7,65	19	25,33
(A)0hr	SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	3	5,25	10	13,33
(A)0hr	Control	Q15542	Transcription initiation factor TFIID subunit 5	TAF5	2	2,88	3	4,00
(A)0hr	Control	P49848	Transcription initiation factor TFIID subunit 6	TAF6	5	7,24	10	13,33
(A)0hr	Control	Q969Z0	Protein TBRG4	TBRG4	7	11,89	18	24,00
(A)0hr	Control	Q13428	Treacle protein	TCOF1	2	1,41	5	6,67
(A)0hr	SEEL	Q13428	Treacle protein	TCOF1	8	5,71	19	25,33
(A)0hr	Control	P17987	T-complex protein 1 subunit alpha	TCP1	21	43,53	97	129,33
(A)0hr	SEEL	P17987	T-complex protein 1 subunit alpha	TCP1	15	30,40	74	98,67
(A)0hr	SEEL	Q9P273	Teneurin-3	TENM3	31	12,82	108	144,00
(A)0hr	SEEL	Q9P273	Teneurin-3	TENM3	46	22,19	251	334,67
(A)0hr	SEEL	Q9P273	Teneurin-3	TENM3	8	3,48	20	26,67

(A)0hr	SEEL	Q6N022	Teneurin-4	TENM4	2	1,84	10	13,33
(A)0hr	Control	P02786	Transferrin receptor protein 1	TFRC	3	5,13	8	10,67
(A)0hr	Control	P02786	Transferrin receptor protein 1	TFRC	5	7,76	10	13,33
(A)0hr	SEEL	P02786	Transferrin receptor protein 1	TFRC	43	54,21	823	1097,33
(A)0hr	SEEL	P02786	Transferrin receptor protein 1	TFRC	48	58,42	1632	2176,00
(A)0hr	SEEL	P02786	Transferrin receptor protein 1	TFRC	55	63,03	2220	2960,00
(A)0hr	SEEL	P02786	Transferrin receptor protein 1	TFRC	42	54,08	668	890,67
(A)0hr	SEEL	Q03167	Transforming growth factor beta receptor type 3	TGFBR3	10	13,98	30	40,00
(A)0hr	SEEL	P07996	Thrombospondin-1	THBS1	11	12,65	25	33,33
(A)0hr	SEEL	P07996	Thrombospondin-1	THBS1	17	16,67	75	100,00
(A)0hr	Control	Q96FV9	THO complex subunit 1	THOC1	6	9,74	12	16,00
(A)0hr	Control	Q8NI27	THO complex subunit 2	THOC2	13	8,79	41	54,67
(A)0hr	SEEL	Q8NI27	THO complex subunit 2	THOC2	5	3,77	7	9,33
(A)0hr	SEEL	Q24JP5	Transmembrane protein 132A	TMEM132A	12	17,01	64	85,33
(A)0hr	SEEL	Q24JP5	Transmembrane protein 132A	TMEM132A	6	9,09	11	14,67
(A)0hr	Control	Q9HC07	Transmembrane protein 165	TMEM165	2	11,11	4	5,33
(A)0hr	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	12	9,62	37	49,33
(A)0hr	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	58	44,25	520	693,33
(A)0hr	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	28	20,82	100	133,33
(A)0hr	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	6	5,13	17	22,67
(A)0hr	SEEL	Q9NV96	Cell cycle control protein 50A	TMEM30A	4	9,70	9	12,00
(A)0hr	SEEL	P41273	Tumor necrosis factor ligand superfamily member 9	TNFSF9	4	18,90	9	12,00
(A)0hr	Control	Q96GM8	Target of EGR1 protein 1	TOE1	5	12,55	14	18,67
(A)0hr	SEEL	O94826	Mitochondrial import receptor subunit TOM70	TOMM70A	2	4,44	3	4,00
(A)0hr	Control	P11387	DNA topoisomerase 1	TOP1	5	7,19	11	14,67
(A)0hr	Control	P11387	DNA topoisomerase 1	TOP1	10	13,20	37	49,33
(A)0hr	Control	P11387	DNA topoisomerase 1	TOP1	26	30,72	233	310,67
(A)0hr	SEEL	P11387	DNA topoisomerase 1	TOP1	23	30,07	131	174,67
(A)0hr	SEEL	Q969P6	DNA topoisomerase I, mitochondrial	TOP1MT	2	2,50	4	5,33
(A)0hr	SEEL	Q13641	Trophoblast glycoprotein	TPBG	7	19,52	32	42,67
(A)0hr	Control	Q12931	Heat shock protein 75 kDa, mitochondrial	TRAP1	17	23,58	58	77,33
(A)0hr	SEEL	Q12931	Heat shock protein 75 kDa, mitochondrial	TRAP1	24	31,68	102	136,00
(A)0hr	SEEL	Q96QT4	Transient receptor potential cation channel subfamily M member 7	TRPM7	5	2,68	9	12,00
(A)0hr	SEEL	D3DPG0	Titin, isoform CRA_a	TTN	11	0,50	25	33,33
(A)0hr	SEEL	D3DPG0	Titin, isoform CRA_a	TTN	12	0,56	35	46,67
(A)0hr	Control	Q8WZ42	Titin	TTN	7	0,31	21	28,00
(A)0hr	Control	Q8WZ42	Titin	TTN	10	0,40	32	42,67
(A)0hr	Control	Q8WZ42	Titin	TTN	15	0,61	30	40,00
(A)0hr	SEEL	Q8WZ42	Titin	TTN	8	0,36	14	18,67
(A)0hr	SEEL	Q8WZ42	Titin	TTN	7	0,26	27	36,00
(A)0hr	SEEL	Q9C0H2	Protein tweety homolog 3	TTYH3	2	3,06	4	5,33
(A)0hr	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	4	12,42	13	17,33
(A)0hr	SEEL	Q06418	Tyrosine-protein kinase receptor TYRO3	TYRO3	12	21,12	36	48,00
(A)0hr	Control	P26368	Splicing factor U2AF 65 kDa subunit	U2AF2	2	5,68	7	9,33
(A)0hr	SEEL	P26368	Splicing factor U2AF 65 kDa subunit	U2AF2	5	12,84	19	25,33
(A)0hr	Control	P0CG47	Polyubiquitin-B	UBB	3	16,59	13	17,33
(A)0hr	Control	P0CG47	Polyubiquitin-B	UBB	4	20,52	23	30,67
(A)0hr	Control	P0CG47	Polyubiquitin-B	UBB	4	20,52	14	18,67
(A)0hr	SEEL	P0CG47	Polyubiquitin-B	UBB	6	23,14	201	268,00
(A)0hr	SEEL	P0CG47	Polyubiquitin-B	UBB	6	23,14	275	366,67
(A)0hr	SEEL	P0CG47	Polyubiquitin-B	UBB	7	25,76	224	298,67
(A)0hr	SEEL	P0CG47	Polyubiquitin-B	UBB	7	25,76	175	233,33
(A)0hr	SEEL	Q9NYU2	UDP-glucose:glycoprotein glucosyltransferase 1	UGGT1	5	3,41	7	9,33
(A)0hr	Control	Q92900	Regulator of nonsense transcripts 1	UPF1	9	9,83	20	26,67
(A)0hr	SEEL	O75691	Small subunit processome component 20 homolog	UTP20	9	3,20	18	24,00
(A)0hr	Control	Q8TAA9	Vang-like protein 1	VANGL1	16	34,73	117	156,00
(A)0hr	SEEL	Q8TAA9	Vang-like protein 1	VANGL1	10	21,18	57	76,00
(A)0hr	SEEL	Q6EMK4	Vasorin	VASN	12	21,55	112	149,33
(A)0hr	Control	P08670	Vimentin	VIM	28	58,37	140	186,67
(A)0hr	SEEL	P08670	Vimentin	VIM	21	43,35	137	182,67
(A)0hr	SEEL	P04004	Vitronectin	VTN	4	6,90	25	33,33
(A)0hr	SEEL	O00308	NEDD4-like E3 ubiquitin-protein ligase WWP2	WWP2	2	2,87	4	5,33
(A)0hr	SEEL	O14980	Exportin-1	XPO1	2	3,17	2	2,67
(A)0hr	SEEL	Q9UBH6	Xenotropic and polytropic retrovirus receptor 1	XPR1	9	13,51	22	29,33
(A)0hr	Control	P13010	X-ray repair cross-complementing protein 5	XRCC5	3	3,42	5	6,67
(A)0hr	SEEL	P12956	X-ray repair cross-complementing protein 6	XRCC6	2	4,60	3	4,00

(B)16hr	Control	O75027	ATP-binding cassette sub-family B member 7, mitochondrial	ABCB7	6	7,58	13	13,00
(B)16hr	SEEL	P33527	Multidrug resistance-associated protein 1	ABCC1	18	11,82	60	60,00
(B)16hr	SEEL	P33527	Multidrug resistance-associated protein 1	ABCC1	52	41,21	270	270,00
(B)16hr	SEEL	O15439	Multidrug resistance-associated protein 4	ABCC4	11	8,38	25	25,00
(B)16hr	SEEL	O15439	Multidrug resistance-associated protein 4	ABCC4	39	30,79	180	180,00
(B)16hr	SEEL	O15440	Multidrug resistance-associated protein 5	ABCC5	8	5,64	22	22,00
(B)16hr	Control	P61221	ATP-binding cassette sub-family E member 1	ABCE1	6	11,35	17	17,00
(B)16hr	SEEL	P61221	ATP-binding cassette sub-family E member 1	ABCE1	13	20,70	44	44,00
(B)16hr	Control	Q8NE71	ATP-binding cassette sub-family F member 1	ABCF1	15	19,41	60	60,00
(B)16hr	SEEL	Q8NE71	ATP-binding cassette sub-family F member 1	ABCF1	4	7,10	10	10,00
(B)16hr	Control	Q9UG63	ATP-binding cassette sub-family F member 2	ABCF2	4	6,74	10	10,00
(B)16hr	SEEL	Q9UG63	ATP-binding cassette sub-family F member 2	ABCF2	4	6,74	12	12,00
(B)16hr	SEEL	Q9NUQ8	ATP-binding cassette sub-family F member 3	ABCF3	4	5,64	7	7,00
(B)16hr	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	37	17,48	269	269,00
(B)16hr	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	48	19,27	592	592,00
(B)16hr	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	47	23,44	161	161,00
(B)16hr	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	10	4,82	16	16,00
(B)16hr	SEEL	Q13085	Acetyl-CoA carboxylase 1	ACACA	37	16,62	283	283,00
(B)16hr	SEEL	Q13085	Acetyl-CoA carboxylase 1	ACACA	46	21,06	430	430,00
(B)16hr	SEEL	Q13085	Acetyl-CoA carboxylase 1	ACACA	29	15,13	68	68,00
(B)16hr	SEEL	Q13085	Acetyl-CoA carboxylase 1	ACACA	3	2,05	5	5,00
(B)16hr	Control	O00763	Acetyl-CoA carboxylase 2	ACACB	6	2,32	10	10,00
(B)16hr	SEEL	O00763	Acetyl-CoA carboxylase 2	ACACB	2	1,02	4	4,00
(B)16hr	Control	O95573	Long-chain-fatty-acid--CoA ligase 3	ACSL3	2	3,06	5	5,00
(B)16hr	SEEL	O60488	Long-chain-fatty-acid--CoA ligase 4	ACSL4	6	9,28	11	11,00
(B)16hr	Control	P60709	Actin, cytoplasmic 1	ACTB	3	10,40	10	10,00
(B)16hr	Control	P60709	Actin, cytoplasmic 1	ACTB	7	24,53	19	19,00
(B)16hr	Control	P60709	Actin, cytoplasmic 1	ACTB	5	16,53	18	18,00
(B)16hr	SEEL	P60709	Actin, cytoplasmic 1	ACTB	5	16,53	16	16,00
(B)16hr	SEEL	P60709	Actin, cytoplasmic 1	ACTB	6	18,40	24	24,00
(B)16hr	SEEL	P60709	Actin, cytoplasmic 1	ACTB	6	20,80	27	27,00
(B)16hr	SEEL	P60709	Actin, cytoplasmic 1	ACTB	6	17,33	32	32,00
(B)16hr	Control	P12814	Alpha-actinin-1	ACTN1	4	4,60	8	8,00
(B)16hr	SEEL	P12814	Alpha-actinin-1	ACTN1	2	2,58	4	4,00
(B)16hr	Control	O43707	Alpha-actinin-4	ACTN4	8	8,89	20	20,00
(B)16hr	SEEL	Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	7	9,39	21	21,00
(B)16hr	SEEL	Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	4	5,21	9	9,00
(B)16hr	SEEL	P78536	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17	5	4,98	13	13,00
(B)16hr	SEEL	P78536	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17	3	3,16	5	5,00
(B)16hr	SEEL	P55265	Double-stranded RNA-specific adenosine deaminase	ADAR	4	3,34	6	6,00
(B)16hr	SEEL	O60266	Adenylate cyclase type 3	ADCY3	6	6,91	13	13,00
(B)16hr	SEEL	O60503	Adenylate cyclase type 9	ADCY9	8	6,95	20	20,00
(B)16hr	SEEL	O00468	Agrin	AGRN	5	3,00	12	12,00
(B)16hr	Control	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	38	8,13	107	107,00
(B)16hr	SEEL	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	81	16,79	248	248,00
(B)16hr	SEEL	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	5	1,14	34	34,00
(B)16hr	SEEL	Q8IVF2	Protein AHNAK2	AHNAK2	3	1,09	12	12,00
(B)16hr	SEEL	P02765	Alpha-2-HS-glycoprotein	AHSG	3	5,18	7	7,00
(B)16hr	Control	O95831	Apoptosis-inducing factor 1, mitochondrial	AIFM1	3	5,71	4	4,00
(B)16hr	SEEL	O95831	Apoptosis-inducing factor 1, mitochondrial	AIFM1	4	7,01	10	10,00
(B)16hr	Control	Q02040	A-kinase anchor protein 17A	AKAP17A	15	18,27	74	74,00
(B)16hr	SEEL	Q02040	A-kinase anchor protein 17A	AKAP17A	9	11,80	19	19,00
(B)16hr	SEEL	Q13740	CD166 antigen	ALCAM	5	8,92	15	15,00
(B)16hr	SEEL	Q13740	CD166 antigen	ALCAM	29	53,86	360	360,00
(B)16hr	SEEL	Q13740	CD166 antigen	ALCAM	2	4,12	5	5,00
(B)16hr	Control	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	14	19,37	82	82,00
(B)16hr	Control	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	7	9,69	19	19,00
(B)16hr	SEEL	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	11	15,22	33	33,00
(B)16hr	SEEL	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	10	12,70	22	22,00
(B)16hr	Control	P09923	Intestinal-type alkaline phosphatase	ALPI	7	12,50	19	19,00
(B)16hr	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	11	22,16	58	58,00
(B)16hr	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	8	15,72	29	29,00
(B)16hr	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	19	45,08	291	291,00
(B)16hr	Control	P05187	Alkaline phosphatase, placental type	ALPP	7	18,88	31	31,00
(B)16hr	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	5	14,39	14	14,00
(B)16hr	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	3	9,35	3	3,00

(B)16hr	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	2	2,06	32	32,00
(B)16hr	SEEL	Q4KMQ2	Anoctamin-6	ANO6	3	3,41	4	4,00
(B)16hr	SEEL	Q4KMQ2	Anoctamin-6	ANO6	12	15,16	23	23,00
(B)16hr	SEEL	Q4KMQ2	Anoctamin-6	ANO6	18	21,10	53	53,00
(B)16hr	SEEL	P15144	Aminopeptidase N	ANPEP	6	4,96	18	18,00
(B)16hr	SEEL	B5ME49	AP-1 complex subunit mu-1	AP1M1	2	0,18	12	12,00
(B)16hr	SEEL	P63010	AP-2 complex subunit beta	AP2B1	3	3,42	5	5,00
(B)16hr	Control	O14617	AP-3 complex subunit delta-1	AP3D1	3	2,86	5	5,00
(B)16hr	Control	O14617	AP-3 complex subunit delta-1	AP3D1	16	16,31	54	54,00
(B)16hr	SEEL	O14617	AP-3 complex subunit delta-1	AP3D1	2	2,08	4	4,00
(B)16hr	SEEL	O14617	AP-3 complex subunit delta-1	AP3D1	11	11,45	28	28,00
(B)16hr	Control	P48444	Coatomer subunit delta	ARCN1	4	7,83	11	11,00
(B)16hr	Control	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	9	13,62	21	21,00
(B)16hr	Control	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	6	10,06	30	30,00
(B)16hr	Control	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	33	54,02	299	299,00
(B)16hr	SEEL	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	11	17,80	37	37,00
(B)16hr	Control	P08243	Asparagine synthetase [glutamine-hydrolyzing]	ASNS	3	6,06	5	5,00
(B)16hr	SEEL	Q9NVI7	ATPase family AAA domain-containing protein 3A	ATAD3A	10	14,35	26	26,00
(B)16hr	Control	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	10	10,07	30	30,00
(B)16hr	Control	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	13	11,53	33	33,00
(B)16hr	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	32	30,40	263	263,00
(B)16hr	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	39	33,33	567	567,00
(B)16hr	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	40	33,43	806	806,00
(B)16hr	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	3	3,91	9	9,00
(B)16hr	SEEL	B3KW93	cDNA FLJ42590 fis, clone BRACE3009708, highly similar to Sodium/potassium-transporting ATPase alpha-2chain (EC 3.6.3.9)	ATP1A2	2	2,17	11	11,00
(B)16hr	SEEL	B3KW93	cDNA FLJ42590 fis, clone BRACE3009708, highly similar to Sodium/potassium-transporting ATPase alpha-2chain (EC 3.6.3.9)	ATP1A2	2	2,17	21	21,00
(B)16hr	SEEL	P13637	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3	2	1,97	24	24,00
(B)16hr	SEEL	Q13733	Sodium/potassium-transporting ATPase subunit alpha-4	ATP1A4	3	2,53	8	8,00
(B)16hr	SEEL	P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	7	22,77	62	62,00
(B)16hr	SEEL	P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	7	22,77	26	26,00
(B)16hr	SEEL	P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	2	8,96	3	3,00
(B)16hr	SEEL	P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	2	8,96	7	7,00
(B)16hr	SEEL	P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	5	21,86	48	48,00
(B)16hr	Control	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	3	3,36	7	7,00
(B)16hr	Control	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	22	21,59	102	102,00
(B)16hr	SEEL	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	8	8,93	23	23,00
(B)16hr	SEEL	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	13	14,11	55	55,00
(B)16hr	Control	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	5	5,48	10	10,00
(B)16hr	SEEL	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	9	9,22	23	23,00
(B)16hr	SEEL	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	10	9,14	28	28,00
(B)16hr	SEEL	P23634	Plasma membrane calcium-transporting ATPase 4	ATP2B4	2	2,42	2	2,00
(B)16hr	SEEL	O75882	Attractin	ATRN	7	5,11	22	22,00
(B)16hr	SEEL	P50895	Basal cell adhesion molecule	BCAM	3	5,89	4	4,00
(B)16hr	SEEL	P50895	Basal cell adhesion molecule	BCAM	20	41,56	129	129,00
(B)16hr	SEEL	P50895	Basal cell adhesion molecule	BCAM	9	17,68	37	37,00
(B)16hr	SEEL	P35613	Basigin	BSG	5	13,25	18	18,00
(B)16hr	SEEL	P35613	Basigin	BSG	8	21,56	34	34,00
(B)16hr	SEEL	P35613	Basigin	BSG	11	35,58	532	532,00
(B)16hr	SEEL	Q10589	Bone marrow stromal antigen 2	BST2	2	13,89	4	4,00
(B)16hr	SEEL	Q7KYR7	Butyrophilin subfamily 2 member A1	BTN2A1	13	23,53	65	65,00
(B)16hr	Control	Q9H8G2	Caspase activity and apoptosis inhibitor 1	CAAP1	6	18,28	23	23,00
(B)16hr	SEEL	Q9H8G2	Caspase activity and apoptosis inhibitor 1	CAAP1	3	10,80	6	6,00
(B)16hr	SEEL	P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1	CACNA2D1	31	30,83	141	141,00
(B)16hr	Control	P27708	CAD protein	CAD	5	2,47	13	13,00
(B)16hr	SEEL	P27708	CAD protein	CAD	7	3,28	13	13,00
(B)16hr	SEEL	Q9BY67	Cell adhesion molecule 1	CADM1	6	17,42	29	29,00
(B)16hr	SEEL	Q8NFZ8	Cell adhesion molecule 4	CADM4	4	13,40	11	11,00
(B)16hr	SEEL	Q86VP6	Cullin-associated NEDD8-dissociated protein 1	CAND1	4	3,33	8	8,00
(B)16hr	SEEL	Q03135	Caveolin-1	CAV1	5	28,65	28	28,00
(B)16hr	Control	P49368	T-complex protein 1 subunit gamma	CCT3	11	23,67	36	36,00
(B)16hr	SEEL	P49368	T-complex protein 1 subunit gamma	CCT3	17	31,56	62	62,00
(B)16hr	Control	P50991	T-complex protein 1 subunit delta	CCT4	5	7,98	12	12,00
(B)16hr	SEEL	P50991	T-complex protein 1 subunit delta	CCT4	9	17,25	22	22,00
(B)16hr	Control	P48643	T-complex protein 1 subunit epsilon	CCT5	5	7,02	15	15,00
(B)16hr	SEEL	P48643	T-complex protein 1 subunit epsilon	CCT5	7	14,05	26	26,00

(B)16hr	Control	P40227	T-complex protein 1 subunit zeta	CCT6A	12	25,42	44	44,00
(B)16hr	SEEL	P40227	T-complex protein 1 subunit zeta	CCT6A	14	32,96	43	43,00
(B)16hr	Control	P50990	T-complex protein 1 subunit theta	CCT8	10	18,80	28	28,00
(B)16hr	SEEL	P50990	T-complex protein 1 subunit theta	CCT8	12	23,54	32	32,00
(B)16hr	SEEL	Q6YHK3	CD109 antigen	CD109	21	17,30	77	77,00
(B)16hr	SEEL	Q6YHK3	CD109 antigen	CD109	6	5,12	10	10,00
(B)16hr	SEEL	Q6YHK3	CD109 antigen	CD109	2	2,35	2	2,00
(B)16hr	SEEL	P48509	CD151 antigen	CD151	3	9,09	11	11,00
(B)16hr	SEEL	P48509	CD151 antigen	CD151	5	16,21	24	24,00
(B)16hr	SEEL	Q5ZPR3	CD276 antigen	CD276	6	16,85	31	31,00
(B)16hr	SEEL	Q5ZPR3	CD276 antigen	CD276	11	31,65	416	416,00
(B)16hr	SEEL	Q5ZPR3	CD276 antigen	CD276	8	23,41	44	44,00
(B)16hr	Control	P16070	CD44 antigen	CD44	3	3,91	9	9,00
(B)16hr	SEEL	P16070	CD44 antigen	CD44	7	10,24	26	26,00
(B)16hr	SEEL	P16070	CD44 antigen	CD44	11	16,04	212	212,00
(B)16hr	SEEL	P16070	CD44 antigen	CD44	12	17,52	333	333,00
(B)16hr	SEEL	P16070	CD44 antigen	CD44	11	16,04	109	109,00
(B)16hr	SEEL	P15529	Membrane cofactor protein	CD46	9	17,09	89	89,00
(B)16hr	SEEL	R4GN18	Membrane cofactor protein (Fragment)	CD46	2	19,23	27	27,00
(B)16hr	SEEL	Q08722	Leukocyte surface antigen CD47	CD47	2	5,88	13	13,00
(B)16hr	SEEL	Q08722	Leukocyte surface antigen CD47	CD47	3	8,67	26	26,00
(B)16hr	SEEL	Q08722	Leukocyte surface antigen CD47	CD47	3	8,67	35	35,00
(B)16hr	SEEL	Q08722	Leukocyte surface antigen CD47	CD47	3	8,67	27	27,00
(B)16hr	SEEL	B1AP13	Complement decay-accelerating factor	CD55	5	10,36	32	32,00
(B)16hr	Control	P08174	Complement decay-accelerating factor	CD55	5	12,34	16	16,00
(B)16hr	SEEL	P08174	Complement decay-accelerating factor	CD55	11	26,25	35	35,00
(B)16hr	SEEL	P08174	Complement decay-accelerating factor	CD55	17	42,26	357	357,00
(B)16hr	SEEL	P19256	Lymphocyte function-associated antigen 3	CD58	3	8,00	20	20,00
(B)16hr	SEEL	P48960	CD97 antigen	CD97	5	5,63	40	40,00
(B)16hr	SEEL	P48960	CD97 antigen	CD97	4	5,51	32	32,00
(B)16hr	SEEL	P48960	CD97 antigen	CD97	16	22,28	126	126,00
(B)16hr	SEEL	P48960	CD97 antigen	CD97	15	21,56	133	133,00
(B)16hr	Control	Q99459	Cell division cycle 5-like protein	CDC5L	4	5,11	7	7,00
(B)16hr	SEEL	P19022	Cadherin-2	CDH2	8	15,23	24	24,00
(B)16hr	SEEL	P19022	Cadherin-2	CDH2	15	26,82	86	86,00
(B)16hr	SEEL	P33151	Cadherin-5	CDH5	15	19,26	98	98,00
(B)16hr	Control	P21127	Cyclin-dependent kinase 11B	CDK11B	9	11,45	15	15,00
(B)16hr	SEEL	Q9NYQ6	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	9	3,52	29	29,00
(B)16hr	SEEL	Q9NYQ6	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	4	1,73	13	13,00
(B)16hr	Control	O76031	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	CLPX	3	5,69	7	7,00
(B)16hr	SEEL	O76031	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	CLPX	2	4,11	8	8,00
(B)16hr	Control	Q00610	Clathrin heavy chain 1	CLTC	19	12,66	54	54,00
(B)16hr	SEEL	Q00610	Clathrin heavy chain 1	CLTC	36	25,43	111	111,00
(B)16hr	SEEL	Q9NRU3	Metal transporter CNNM1	CNNM1	2	2,63	8	8,00
(B)16hr	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	6	7,31	17	17,00
(B)16hr	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	14	16,46	39	39,00
(B)16hr	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	5	6,63	13	13,00
(B)16hr	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	2	2,55	3	3,00
(B)16hr	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	21	36,49	89	89,00
(B)16hr	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	8	12,73	16	16,00
(B)16hr	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	5	6,97	14	14,00
(B)16hr	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	9	12,77	27	27,00
(B)16hr	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	17	24,26	75	75,00
(B)16hr	Control	P53621	Coatomer subunit alpha	COPA	15	12,75	32	32,00
(B)16hr	SEEL	P53621	Coatomer subunit alpha	COPA	15	13,32	36	36,00
(B)16hr	Control	P53618	Coatomer subunit beta	COPB1	6	7,97	25	25,00
(B)16hr	SEEL	P53618	Coatomer subunit beta	COPB1	6	8,29	18	18,00
(B)16hr	Control	Q9Y678	Coatomer subunit gamma-1	COPG1	13	17,28	31	31,00
(B)16hr	SEEL	Q9Y678	Coatomer subunit gamma-1	COPG1	10	12,93	19	19,00
(B)16hr	Control	Q9ULV4	Coronin-1C	CORO1C	10	19,83	31	31,00
(B)16hr	Control	Q99829	Copine-1	CPNE1	9	15,46	28	28,00
(B)16hr	SEEL	Q99829	Copine-1	CPNE1	7	12,29	17	17,00
(B)16hr	SEEL	O75131	Copine-3	CPNE3	4	10,24	9	9,00
(B)16hr	Control	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	59	43,80	478	478,00
(B)16hr	Control	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	19	12,73	53	53,00
(B)16hr	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	8	5,80	17	17,00

(B)16hr	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	72	54,07	548	548,00
(B)16hr	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	12	9,20	30	30,00
(B)16hr	Control	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	3	4,40	5	5,00
(B)16hr	SEEL	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	3	4,14	6	6,00
(B)16hr	SEEL	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	5	6,99	11	11,00
(B)16hr	Control	P55060	Exportin-2	CSE1L	9	10,30	17	17,00
(B)16hr	SEEL	P55060	Exportin-2	CSE1L	13	15,45	24	24,00
(B)16hr	SEEL	P15509	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	CSF2RA	3	8,50	10	10,00
(B)16hr	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	54	28,42	353	353,00
(B)16hr	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	65	36,09	459	459,00
(B)16hr	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	4	1,77	6	6,00
(B)16hr	SEEL	P35221	Catenin alpha-1	CTNNA1	5	5,63	10	10,00
(B)16hr	SEEL	P35222	Catenin beta-1	CTNNB1	26	39,95	142	142,00
(B)16hr	SEEL	P35222	Catenin beta-1	CTNNB1	5	6,79	11	11,00
(B)16hr	Control	P17812	CTP synthase 1	CTPS1	5	9,81	12	12,00
(B)16hr	SEEL	P17812	CTP synthase 1	CTPS1	6	9,81	18	18,00
(B)16hr	Control	Q13619	Cullin-4A	CUL4A	5	6,85	11	11,00
(B)16hr	SEEL	Q13619	Cullin-4A	CUL4A	2	3,16	3	3,00
(B)16hr	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	3	11,65	10	10,00
(B)16hr	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	4	13,92	17	17,00
(B)16hr	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	3	8,81	11	11,00
(B)16hr	SEEL	Q14118	Dystroglycan	DAG1	10	8,72	92	92,00
(B)16hr	SEEL	Q14118	Dystroglycan	DAG1	8	7,71	66	66,00
(B)16hr	Control	Q9UER7	Death domain-associated protein 6	DAXX	7	12,03	22	22,00
(B)16hr	Control	P11182	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	DBT	9	17,01	45	45,00
(B)16hr	Control	P11182	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	DBT	7	13,69	16	16,00
(B)16hr	Control	Q92499	ATP-dependent RNA helicase DDX1	DDX1	9	12,70	28	28,00
(B)16hr	SEEL	Q92499	ATP-dependent RNA helicase DDX1	DDX1	7	9,32	20	20,00
(B)16hr	Control	Q92841	Probable ATP-dependent RNA helicase DDX17	DDX17	8	12,35	26	26,00
(B)16hr	SEEL	Q92841	Probable ATP-dependent RNA helicase DDX17	DDX17	6	10,84	13	13,00
(B)16hr	Control	Q9UHI6	Probable ATP-dependent RNA helicase DDX20	DDX20	6	7,89	19	19,00
(B)16hr	Control	Q9UHI6	Probable ATP-dependent RNA helicase DDX20	DDX20	24	34,95	141	141,00
(B)16hr	SEEL	Q9UHI6	Probable ATP-dependent RNA helicase DDX20	DDX20	5	6,31	14	14,00
(B)16hr	SEEL	Q9UHI6	Probable ATP-dependent RNA helicase DDX20	DDX20	14	21,36	50	50,00
(B)16hr	Control	Q9NR30	Nucleolar RNA helicase 2	DDX21	23	29,76	81	81,00
(B)16hr	SEEL	Q9NR30	Nucleolar RNA helicase 2	DDX21	12	16,48	28	28,00
(B)16hr	Control	Q9BUQ8	Probable ATP-dependent RNA helicase DDX23	DDX23	14	18,05	43	43,00
(B)16hr	SEEL	Q9BUQ8	Probable ATP-dependent RNA helicase DDX23	DDX23	6	7,32	11	11,00
(B)16hr	Control	Q9GZR7	ATP-dependent RNA helicase DDX24	DDX24	13	17,69	40	40,00
(B)16hr	SEEL	Q9GZR7	ATP-dependent RNA helicase DDX24	DDX24	10	12,57	25	25,00
(B)16hr	Control	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	21	34,74	121	121,00
(B)16hr	SEEL	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	2	3,93	3	3,00
(B)16hr	SEEL	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	22	35,20	137	137,00
(B)16hr	Control	P17844	Probable ATP-dependent RNA helicase DDX5	DDX5	20	27,36	91	91,00
(B)16hr	SEEL	P17844	Probable ATP-dependent RNA helicase DDX5	DDX5	17	28,01	73	73,00
(B)16hr	SEEL	Q9Y2R4	Probable ATP-dependent RNA helicase DDX52	DDX52	2	5,34	3	3,00
(B)16hr	Control	O43143	Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	DHX15	10	13,33	35	35,00
(B)16hr	SEEL	O43143	Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	DHX15	5	6,16	10	10,00
(B)16hr	Control	Q7L2E3	Putative ATP-dependent RNA helicase DHX30	DHX30	7	5,28	12	12,00
(B)16hr	SEEL	Q7L2E3	Putative ATP-dependent RNA helicase DHX30	DHX30	9	6,62	17	17,00
(B)16hr	Control	Q08211	ATP-dependent RNA helicase A	DHX9	25	19,13	83	83,00
(B)16hr	Control	Q08211	ATP-dependent RNA helicase A	DHX9	8	6,06	14	14,00
(B)16hr	SEEL	Q08211	ATP-dependent RNA helicase A	DHX9	31	24,57	96	96,00
(B)16hr	SEEL	Q08211	ATP-dependent RNA helicase A	DHX9	4	4,09	7	7,00
(B)16hr	Control	Q9Y2L1	Exosome complex exonuclease RRP44	DIS3	4	5,32	6	6,00
(B)16hr	Control	B4DJX1	Acetyltransferase component of pyruvate dehydrogenase complex	DLAT	16	30,80	89	89,00
(B)16hr	SEEL	B4DJX1	Acetyltransferase component of pyruvate dehydrogenase complex	DLAT	8	14,55	24	24,00
(B)16hr	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	7	10,82	26	26,00
(B)16hr	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	14	23,34	87	87,00
(B)16hr	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	12	20,71	272	272,00
(B)16hr	SEEL	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	8	13,14	33	33,00
(B)16hr	SEEL	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	9	14,53	27	27,00
(B)16hr	SEEL	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	27	45,29	439	439,00

(B)16hr	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	3	5,50	6	6,00
(B)16hr	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	7	14,73	24	24,00
(B)16hr	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	21	40,28	254	254,00
(B)16hr	SEEL	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	6	13,75	22	22,00
(B)16hr	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	5	11,70	13	13,00
(B)16hr	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	9	21,19	47	47,00
(B)16hr	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	6	13,25	24	24,00
(B)16hr	SEEL	Q9NVH1	DnaJ homolog subfamily C member 11	DNAJC11	3	6,26	6	6,00
(B)16hr	SEEL	Q02487	Desmocollin-2	DSC2	6	7,99	21	21,00
(B)16hr	Control	Q02413	Desmoglein-1	DSG1	4	5,62	7	7,00
(B)16hr	Control	Q14126	Desmoglein-2	DSG2	4	4,47	11	11,00
(B)16hr	SEEL	Q14126	Desmoglein-2	DSG2	5	5,72	10	10,00
(B)16hr	SEEL	Q14126	Desmoglein-2	DSG2	37	47,14	399	399,00
(B)16hr	SEEL	Q14126	Desmoglein-2	DSG2	34	38,91	226	226,00
(B)16hr	SEEL	Q14126	Desmoglein-2	DSG2	6	6,53	16	16,00
(B)16hr	Control	P15924	Desmoplakin	DSP	16	5,54	30	30,00
(B)16hr	Control	P15924	Desmoplakin	DSP	46	16,09	114	114,00
(B)16hr	SEEL	P15924	Desmoplakin	DSP	20	6,58	36	36,00
(B)16hr	SEEL	P15924	Desmoplakin	DSP	31	10,21	74	74,00
(B)16hr	Control	Q14204	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1	19	4,52	50	50,00
(B)16hr	SEEL	Q14204	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1	76	16,87	257	257,00
(B)16hr	SEEL	Q9Y6G9	Cytoplasmic dynein 1 light intermediate chain 1	DYNC1LI1	2	4,21	2	2,00
(B)16hr	SEEL	P42892	Endothelin-converting enzyme 1	ECE1	4	6,75	12	12,00
(B)16hr	SEEL	P42892	Endothelin-converting enzyme 1	ECE1	28	37,92	294	294,00
(B)16hr	SEEL	O95672	Endothelin-converting enzyme-like 1	ECEL1	4	5,81	6	6,00
(B)16hr	SEEL	O43854	EGF-like repeat and discoidin I-like domain-containing protein 3	EDIL3	10	25,42	24	24,00
(B)16hr	Control	P68104	Elongation factor 1-alpha 1	EEF1A1	8	17,53	34	34,00
(B)16hr	Control	P68104	Elongation factor 1-alpha 1	EEF1A1	6	12,34	17	17,00
(B)16hr	Control	P68104	Elongation factor 1-alpha 1	EEF1A1	8	15,37	30	30,00
(B)16hr	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	12	22,08	80	80,00
(B)16hr	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	11	25,54	66	66,00
(B)16hr	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	9	21,65	33	33,00
(B)16hr	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	13	27,27	76	76,00
(B)16hr	Control	P13639	Elongation factor 2	EEF2	42	47,55	326	326,00
(B)16hr	Control	P13639	Elongation factor 2	EEF2	6	6,06	13	13,00
(B)16hr	SEEL	P13639	Elongation factor 2	EEF2	3	3,38	6	6,00
(B)16hr	SEEL	P13639	Elongation factor 2	EEF2	37	45,45	185	185,00
(B)16hr	SEEL	P13639	Elongation factor 2	EEF2	5	5,24	11	11,00
(B)16hr	Control	Q15029	116 kDa U5 small nuclear ribonucleoprotein component	EFTUD2	6	7,41	10	10,00
(B)16hr	Control	P00533	Epidermal growth factor receptor	EGFR	17	15,87	64	64,00
(B)16hr	SEEL	P00533	Epidermal growth factor receptor	EGFR	15	13,39	64	64,00
(B)16hr	SEEL	P00533	Epidermal growth factor receptor	EGFR	59	52,98	957	957,00
(B)16hr	SEEL	P00533	Epidermal growth factor receptor	EGFR	28	26,69	140	140,00
(B)16hr	SEEL	P00533	Epidermal growth factor receptor	EGFR	9	9,09	31	31,00
(B)16hr	Control	P19525	Interferon-induced, double-stranded RNA-activated protein kinase	EIF2AK2	5	9,98	12	12,00
(B)16hr	SEEL	P60842	Eukaryotic initiation factor 4A-I	EIF4A1	3	7,88	7	7,00
(B)16hr	Control	O60841	Eukaryotic translation initiation factor 5B	EIF5B	20	19,34	60	60,00
(B)16hr	SEEL	O60841	Eukaryotic translation initiation factor 5B	EIF5B	7	7,30	16	16,00
(B)16hr	SEEL	P17813	Endoglin	ENG	4	7,60	13	13,00
(B)16hr	SEEL	P17813	Endoglin	ENG	14	23,10	95	95,00
(B)16hr	SEEL	P17813	Endoglin	ENG	8	16,26	29	29,00
(B)16hr	SEEL	P29317	Ephrin type-A receptor 2	EPHA2	3	4,00	8	8,00
(B)16hr	SEEL	P29323	Ephrin type-B receptor 2	EPHB2	9	11,00	21	21,00
(B)16hr	SEEL	P54760	Ephrin type-B receptor 4	EPHB4	6	6,89	13	13,00
(B)16hr	SEEL	P54760	Ephrin type-B receptor 4	EPHB4	34	38,50	209	209,00
(B)16hr	Control	P58107	Epiplakin	EPPK1	3	0,86	7	7,00
(B)16hr	SEEL	P58107	Epiplakin	EPPK1	5	1,14	12	12,00
(B)16hr	Control	P07814	Bifunctional glutamate/proline--tRNA ligase	EPRS	18	14,95	48	48,00
(B)16hr	SEEL	P07814	Bifunctional glutamate/proline--tRNA ligase	EPRS	23	18,25	75	75,00
(B)16hr	SEEL	P04626	Receptor tyrosine-protein kinase erbB-2	ERBB2	17	15,46	76	76,00
(B)16hr	SEEL	P04626	Receptor tyrosine-protein kinase erbB-2	ERBB2	5	5,50	9	9,00
(B)16hr	Control	H7BXI1	Extended synaptotagmin-2 (Fragment)	ESYT2	13	17,19	28	28,00
(B)16hr	SEEL	H7BXI1	Extended synaptotagmin-2 (Fragment)	ESYT2	8	9,50	14	14,00
(B)16hr	Control	Q01844	RNA-binding protein EWS	EWSR1	3	7,32	17	17,00
(B)16hr	SEEL	Q9NZB2	Constitutive coactivator of PPAR-gamma-like protein 1	FAM120A	9	11,63	20	20,00

(B)16hr	Control	P49327	Fatty acid synthase	FASN	37	16,25	134	134,00
(B)16hr	SEEL	P49327	Fatty acid synthase	FASN	41	19,39	132	132,00
(B)16hr	SEEL	Q7L8L6	FAST kinase domain-containing protein 5	FASTKD5	3	3,80	6	6,00
(B)16hr	SEEL	P35556	Fibrillin-2	FBN2	5	3,19	21	21,00
(B)16hr	Control	Q5D862	Filaggrin-2	FLG2	6	4,18	19	19,00
(B)16hr	Control	Q13045	Protein flightless-1 homolog	FLII	5	4,33	9	9,00
(B)16hr	SEEL	Q13045	Protein flightless-1 homolog	FLII	3	2,52	3	3,00
(B)16hr	Control	P21333	Filamin-A	FLNA	4	1,93	6	6,00
(B)16hr	Control	P21333	Filamin-A	FLNA	56	28,22	216	216,00
(B)16hr	SEEL	P21333	Filamin-A	FLNA	2	1,10	2	2,00
(B)16hr	SEEL	P21333	Filamin-A	FLNA	39	20,51	107	107,00
(B)16hr	Control	O75369	Filamin-B	FLNB	9	3,73	17	17,00
(B)16hr	SEEL	O75369	Filamin-B	FLNB	6	3,15	20	20,00
(B)16hr	SEEL	B2RB38	cDNA, FLJ95288, highly similar to Homo sapiens feline leukemia virus subgroup C cellular receptor (FLVCR), mRNA	FLVCR1	6	14,77	18	18,00
(B)16hr	SEEL	Q9Y5Y0	Feline leukemia virus subgroup C receptor-related protein 1	FLVCR1	2	3,96	6	6,00
(B)16hr	Control	P35637	RNA-binding protein FUS	FUS	5	19,20	58	58,00
(B)16hr	SEEL	P35637	RNA-binding protein FUS	FUS	6	16,92	31	31,00
(B)16hr	Control	Q14697	Neutral alpha-glucosidase AB	GANAB	14	16,95	35	35,00
(B)16hr	SEEL	Q14697	Neutral alpha-glucosidase AB	GANAB	7	7,84	15	15,00
(B)16hr	Control	P41250	Glycine--tRNA ligase	GARS	15	19,62	49	49,00
(B)16hr	SEEL	P41250	Glycine--tRNA ligase	GARS	10	15,16	24	24,00
(B)16hr	Control	P22102	Trifunctional purine biosynthetic protein adenosine-3	GART	9	9,21	21	21,00
(B)16hr	Control	Q92616	Translational activator GCN1	GCN1L1	4	1,57	10	10,00
(B)16hr	SEEL	Q92616	Translational activator GCN1	GCN1L1	7	2,70	15	15,00
(B)16hr	Control	P57678	Gem-associated protein 4	GEMIN4	7	7,56	21	21,00
(B)16hr	Control	P57678	Gem-associated protein 4	GEMIN4	5	5,10	11	11,00
(B)16hr	SEEL	P57678	Gem-associated protein 4	GEMIN4	5	5,29	10	10,00
(B)16hr	SEEL	Q8WUM5	Gem (Nuclear organelle) associated protein 4	GEMIN4	22	22,59	79	79,00
(B)16hr	Control	Q9HBB9	HC56	GEMIN4	2	1,81	6	6,00
(B)16hr	Control	Q06210	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	GFPT1	4	6,44	6	6,00
(B)16hr	SEEL	Q06210	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	GFPT1	7	13,59	12	12,00
(B)16hr	SEEL	P19440	Gamma-glutamyltranspeptidase 1	GGT1	8	12,30	28	28,00
(B)16hr	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	6	9,33	14	14,00
(B)16hr	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	33	47,57	354	354,00
(B)16hr	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	14	23,26	62	62,00
(B)16hr	SEEL	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	7	9,59	22	22,00
(B)16hr	Control	Q14161	ARF GTPase-activating protein GIT2	GIT2	31	45,32	264	264,00
(B)16hr	Control	Q14161	ARF GTPase-activating protein GIT2	GIT2	12	15,55	38	38,00
(B)16hr	SEEL	Q14161	ARF GTPase-activating protein GIT2	GIT2	4	5,40	10	10,00
(B)16hr	SEEL	Q92896	Golgi apparatus protein 1	GLG1	5	5,26	12	12,00
(B)16hr	Control	P49915	GMP synthase [glutamine-hydrolyzing]	GMPS	7	11,98	17	17,00
(B)16hr	SEEL	P49915	GMP synthase [glutamine-hydrolyzing]	GMPS	6	9,24	13	13,00
(B)16hr	Control	Q9BVP2	Guanine nucleotide-binding protein-like 3	GNL3	6	11,48	15	15,00
(B)16hr	SEEL	Q9BVP2	Guanine nucleotide-binding protein-like 3	GNL3	5	9,47	9	9,00
(B)16hr	SEEL	P35052	Glypican-1	GPC1	15	29,93	82	82,00
(B)16hr	SEEL	P43304	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPD2	10	16,09	20	20,00
(B)16hr	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	5	22,41	29	29,00
(B)16hr	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	4	19,33	16	16,00
(B)16hr	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	5	19,33	13	13,00
(B)16hr	SEEL	Q7Z2K8	G protein-regulated inducer of neurite outgrowth 1	GPRIN1	2	3,08	10	10,00
(B)16hr	Control	P28799	Granulins	GRN	9	17,71	30	30,00
(B)16hr	Control	P28799	Granulins	GRN	16	30,35	131	131,00
(B)16hr	SEEL	P28799	Granulins	GRN	5	9,11	18	18,00
(B)16hr	SEEL	P28799	Granulins	GRN	12	19,06	53	53,00
(B)16hr	Control	P06396	Gelsolin	GSN	20	24,68	88	88,00
(B)16hr	Control	Q9BZE4	Nucleolar GTP-binding protein 1	GTPBP4	5	8,04	11	11,00
(B)16hr	SEEL	Q9BZE4	Nucleolar GTP-binding protein 1	GTPBP4	5	8,36	12	12,00
(B)16hr	Control	P40939	Trifunctional enzyme subunit alpha, mitochondrial	HADHA	6	7,08	10	10,00
(B)16hr	SEEL	Q9ULI3	Protein HEG homolog 1	HEG1	4	2,97	12	12,00
(B)16hr	SEEL	P16403	Histone H1.2	HIST1H1C	3	16,43	7	7,00
(B)16hr	Control	A3R0T7	Liver histone H1e	HIST1H1E	6	25,57	22	22,00
(B)16hr	SEEL	A2V815	MHC class I antigen (Fragment)	HLA-A	2	13,55	3	3,00
(B)16hr	SEEL	P01891	HLA class I histocompatibility antigen, A-68 alpha chain	HLA-A	2	6,03	9	9,00
(B)16hr	Control	P61978	Heterogeneous nuclear ribonucleoprotein K	HNRNPK	13	36,72	60	60,00
(B)16hr	SEEL	P61978	Heterogeneous nuclear ribonucleoprotein K	HNRNPK	8	22,25	35	35,00
(B)16hr	Control	P14866	Heterogeneous nuclear ribonucleoprotein L	HNRNPL	8	16,47	25	25,00

(B)16hr	SEEL	P14866	Heterogeneous nuclear ribonucleoprotein L	HNRNPL	4	7,13	7	7,00
(B)16hr	Control	P52272	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	13	19,32	30	30,00
(B)16hr	SEEL	P52272	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	6	9,04	16	16,00
(B)16hr	Control	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	17	20,73	74	74,00
(B)16hr	SEEL	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	15	18,91	41	41,00
(B)16hr	SEEL	Q9BUJ2	Heterogeneous nuclear ribonucleoprotein U-like protein 1	HNRNPUL1	10	15,42	38	38,00
(B)16hr	Control	Q86YZ3	Hornerin	HRNR	13	8,28	50	50,00
(B)16hr	Control	Q86YZ3	Hornerin	HRNR	3	1,93	14	14,00
(B)16hr	Control	Q86YZ3	Hornerin	HRNR	8	4,95	37	37,00
(B)16hr	Control	Q86YZ3	Hornerin	HRNR	7	4,14	24	24,00
(B)16hr	SEEL	Q86YZ3	Hornerin	HRNR	2	1,05	11	11,00
(B)16hr	SEEL	Q86YZ3	Hornerin	HRNR	2	1,26	14	14,00
(B)16hr	Control	P07900	Heat shock protein HSP 90-alpha	HSP90AA1	8	11,89	27	27,00
(B)16hr	SEEL	P07900	Heat shock protein HSP 90-alpha	HSP90AA1	2	2,87	3	3,00
(B)16hr	SEEL	P07900	Heat shock protein HSP 90-alpha	HSP90AA1	12	15,98	57	57,00
(B)16hr	Control	P08238	Heat shock protein HSP 90-beta	HSP90AB1	20	30,66	125	125,00
(B)16hr	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	6	9,12	10	10,00
(B)16hr	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	9	11,88	32	32,00
(B)16hr	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	23	33,56	153	153,00
(B)16hr	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	7	9,67	16	16,00
(B)16hr	Control	P14625	Endoplasmin	HSP90B1	17	22,42	70	70,00
(B)16hr	SEEL	P14625	Endoplasmin	HSP90B1	11	14,20	34	34,00
(B)16hr	SEEL	P14625	Endoplasmin	HSP90B1	3	5,48	19	19,00
(B)16hr	SEEL	P08107	Heat shock 70 kDa protein 1A/1B	HSPA1A	3	4,52	4	4,00
(B)16hr	Control	P11021	78 kDa glucose-regulated protein	HSPA5	45	60,40	818	818,00
(B)16hr	SEEL	P11021	78 kDa glucose-regulated protein	HSPA5	47	61,16	600	600,00
(B)16hr	Control	P11142	Heat shock cognate 71 kDa protein	HSPA8	36	55,57	467	467,00
(B)16hr	SEEL	P11142	Heat shock cognate 71 kDa protein	HSPA8	35	55,88	377	377,00
(B)16hr	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	6	10,60	20	20,00
(B)16hr	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	16	29,16	67	67,00
(B)16hr	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	60	68,04	1717	1717,00
(B)16hr	SEEL	P38646	Stress-70 protein, mitochondrial	HSPA9	2	4,27	10	10,00
(B)16hr	SEEL	P38646	Stress-70 protein, mitochondrial	HSPA9	8	14,43	18	18,00
(B)16hr	SEEL	P38646	Stress-70 protein, mitochondrial	HSPA9	57	63,48	1024	1024,00
(B)16hr	Control	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	26	42,58	127	127,00
(B)16hr	SEEL	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	26	44,33	156	156,00
(B)16hr	Control	Q92598	Heat shock protein 105 kDa	HSPH1	8	10,26	19	19,00
(B)16hr	SEEL	Q92598	Heat shock protein 105 kDa	HSPH1	12	15,03	25	25,00
(B)16hr	SEEL	Q7Z6Z7	E3 ubiquitin-protein ligase HUWE1	HUWE1	5	1,51	10	10,00
(B)16hr	Control	Q9Y4L1	Hypoxia up-regulated protein 1	HYOU1	7	8,41	14	14,00
(B)16hr	SEEL	Q9Y4L1	Hypoxia up-regulated protein 1	HYOU1	9	10,81	25	25,00
(B)16hr	Control	P41252	Isoleucine--tRNA ligase, cytoplasmic	IARS	10	9,27	25	25,00
(B)16hr	SEEL	P41252	Isoleucine--tRNA ligase, cytoplasmic	IARS	19	17,04	74	74,00
(B)16hr	Control	Q9NSE4	Isoleucine--tRNA ligase, mitochondrial	IARS2	9	10,28	24	24,00
(B)16hr	SEEL	Q9NSE4	Isoleucine--tRNA ligase, mitochondrial	IARS2	5	5,63	9	9,00
(B)16hr	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	2	4,32	5	5,00
(B)16hr	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	10	21,62	34	34,00
(B)16hr	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	27	44,55	531	531,00
(B)16hr	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	19	33,46	170	170,00
(B)16hr	Control	Q16666	Gamma-interferon-inducible protein 16	IFI16	3	4,20	6	6,00
(B)16hr	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	21	16,02	66	66,00
(B)16hr	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	41	35,55	355	355,00
(B)16hr	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	9	6,80	28	28,00
(B)16hr	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	29	12,00	87	87,00
(B)16hr	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	50	21,20	202	202,00
(B)16hr	SEEL	Q969P0	Immunoglobulin superfamily member 8	IGSF8	7	14,68	24	24,00
(B)16hr	SEEL	Q9NPH3	Interleukin-1 receptor accessory protein	IL1RAP	5	12,28	9	9,00
(B)16hr	SEEL	Q16891	MICOS complex subunit MIC60	IMMT	8	11,35	14	14,00
(B)16hr	SEEL	P06213	Insulin receptor	INSR	20	14,47	75	75,00
(B)16hr	SEEL	P06213	Insulin receptor	INSR	43	29,09	322	322,00
(B)16hr	SEEL	P06213	Insulin receptor	INSR	6	4,41	16	16,00
(B)16hr	Control	P46940	Ras GTPase-activating-like protein IQGAP1	IQGAP1	10	7,30	21	21,00
(B)16hr	SEEL	P46940	Ras GTPase-activating-like protein IQGAP1	IQGAP1	14	11,04	28	28,00
(B)16hr	SEEL	Q8TB96	T-cell immunomodulatory protein	ITFG1	4	6,86	18	18,00
(B)16hr	SEEL	Q9H0X4	Protein ITFG3	ITFG3	11	21,74	60	60,00
(B)16hr	SEEL	P56199	Integrin alpha-1	ITGA1	8	7,04	19	19,00

(B)16hr	SEEL	P56199	Integrin alpha-1	ITGA1	29	23,92	195	195,00
(B)16hr	Control	P17301	Integrin alpha-2	ITGA2	4	3,73	7	7,00
(B)16hr	SEEL	P17301	Integrin alpha-2	ITGA2	16	13,72	52	52,00
(B)16hr	SEEL	P17301	Integrin alpha-2	ITGA2	7	8,98	57	57,00
(B)16hr	SEEL	P17301	Integrin alpha-2	ITGA2	14	14,14	50	50,00
(B)16hr	SEEL	P26006	Integrin alpha-3	ITGA3	11	10,47	61	61,00
(B)16hr	SEEL	P26006	Integrin alpha-3	ITGA3	15	13,99	159	159,00
(B)16hr	Control	P08648	Integrin alpha-5	ITGA5	5	5,82	20	20,00
(B)16hr	SEEL	P08648	Integrin alpha-5	ITGA5	16	19,73	119	119,00
(B)16hr	SEEL	P08648	Integrin alpha-5	ITGA5	10	11,73	46	46,00
(B)16hr	SEEL	P23229	Integrin alpha-6	ITGA6	29	28,50	168	168,00
(B)16hr	SEEL	P23229	Integrin alpha-6	ITGA6	10	11,06	36	36,00
(B)16hr	SEEL	A5YM53	ITGAV protein	ITGAV	42	43,51	349	349,00
(B)16hr	SEEL	P06756	Integrin alpha-V	ITGAV	31	36,45	148	148,00
(B)16hr	Control	P05556	Integrin beta-1	ITGB1	12	16,29	40	40,00
(B)16hr	SEEL	P05556	Integrin beta-1	ITGB1	3	3,76	5	5,00
(B)16hr	SEEL	P05556	Integrin beta-1	ITGB1	28	33,96	447	447,00
(B)16hr	SEEL	P05556	Integrin beta-1	ITGB1	26	32,21	318	318,00
(B)16hr	SEEL	P05556	Integrin beta-1	ITGB1	6	8,52	12	12,00
(B)16hr	SEEL	P16144	Integrin beta-4	ITGB4	47	29,03	192	192,00
(B)16hr	SEEL	P18084	Integrin beta-5	ITGB5	28	39,55	144	144,00
(B)16hr	SEEL	P26012	Integrin beta-8	ITGB8	6	9,49	19	19,00
(B)16hr	SEEL	P14923	Junction plakoglobin	JUP	9	13,96	18	18,00
(B)16hr	SEEL	P14923	Junction plakoglobin	JUP	21	37,99	132	132,00
(B)16hr	SEEL	P14923	Junction plakoglobin	JUP	21	36,24	202	202,00
(B)16hr	SEEL	Q92945	Far upstream element-binding protein 2	KHSRP	3	4,92	8	8,00
(B)16hr	SEEL	Q6NSJ0	Uncharacterized family 31 glucosidase KIAA1161	KIAA1161	11	15,55	29	29,00
(B)16hr	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	7	3,85	25	25,00
(B)16hr	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	5	3,18	13	13,00
(B)16hr	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	7	4,67	15	15,00
(B)16hr	SEEL	Q9ULH0	Kinase D-interacting substrate of 220 kDa	KIDINS220	6	3,56	13	13,00
(B)16hr	SEEL	Q96J84	Kin of IRRE-like protein 1	KIRREL	6	10,44	16	16,00
(B)16hr	Control	Q53GT1	Kelch-like protein 22	KLHL22	21	37,70	90	90,00
(B)16hr	SEEL	Q53GT1	Kelch-like protein 22	KLHL22	13	21,14	41	41,00
(B)16hr	Control	Q14974	Importin subunit beta-1	KPNB1	6	7,42	16	16,00
(B)16hr	SEEL	Q14974	Importin subunit beta-1	KPNB1	7	9,59	19	19,00
(B)16hr	Control	Q5T749	Keratinocyte proline-rich protein	KPRP	5	11,40	16	16,00
(B)16hr	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	5	3,74	12	12,00
(B)16hr	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	40	34,92	589	589,00
(B)16hr	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	13	12,09	55	55,00
(B)16hr	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	6	3,74	27	27,00
(B)16hr	SEEL	O15230	Laminin subunit alpha-5	LAMA5	9	3,06	18	18,00
(B)16hr	SEEL	P11047	Laminin subunit gamma-1	LAMC1	5	4,23	12	12,00
(B)16hr	SEEL	P11279	Lysosome-associated membrane glycoprotein 1	LAMP1	6	14,15	23	23,00
(B)16hr	Control	Q9P2J5	Leucine--tRNA ligase, cytoplasmic	LARS	6	5,10	14	14,00
(B)16hr	SEEL	Q9P2J5	Leucine--tRNA ligase, cytoplasmic	LARS	4	3,57	7	7,00
(B)16hr	SEEL	P00338	L-lactate dehydrogenase A chain	LDHA	2	6,63	4	4,00
(B)16hr	Control	Q08380	Galectin-3-binding protein	LGALS3BP	11	18,46	36	36,00
(B)16hr	SEEL	Q08380	Galectin-3-binding protein	LGALS3BP	8	14,19	27	27,00
(B)16hr	Control	P02545	Prelamin-A/C	LMNA	29	47,59	166	166,00
(B)16hr	SEEL	P02545	Prelamin-A/C	LMNA	26	40,81	114	114,00
(B)16hr	Control	Q9UIQ6	Leucyl-cystinyl aminopeptidase	LNPEP	8	10,05	18	18,00
(B)16hr	SEEL	Q9UIQ6	Leucyl-cystinyl aminopeptidase	LNPEP	26	25,37	140	140,00
(B)16hr	Control	P36776	Lon protease homolog, mitochondrial	LONP1	6	6,67	12	12,00
(B)16hr	SEEL	P36776	Lon protease homolog, mitochondrial	LONP1	5	5,84	12	12,00
(B)16hr	SEEL	Q9P244	Leucine-rich repeat and fibronectin type III domain-containing protein 1	LRFN1	6	9,34	11	11,00
(B)16hr	SEEL	Q6PJG9	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	LRFN4	5	8,82	12	12,00
(B)16hr	SEEL	Q07954	Prolow-density lipoprotein receptor-related protein 1	LRP1	6	1,54	27	27,00
(B)16hr	SEEL	B7ZLD0	LRP6 protein	LRP6	7	4,72	14	14,00
(B)16hr	Control	P42704	Leucine-rich PPR motif-containing protein, mitochondrial	LRPPRC	4	3,16	7	7,00
(B)16hr	SEEL	P42704	Leucine-rich PPR motif-containing protein, mitochondrial	LRPPRC	6	4,66	14	14,00
(B)16hr	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	11	14,07	40	40,00
(B)16hr	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	23	31,85	90	90,00
(B)16hr	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	29	40,37	172	172,00
(B)16hr	SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	4	5,11	16	16,00
(B)16hr	SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	8	11,21	19	19,00

(B)16hr	SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	9	11,66	21	21,00
(B)16hr	SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	10	13,52	23	23,00
(B)16hr	SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	16	20,16	42	42,00
(B)16hr	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	10	12,94	32	32,00
(B)16hr	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	11	16,46	31	31,00
(B)16hr	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	7	11,06	23	23,00
(B)16hr	Control	O95232	Luc7-like protein 3	LUC7L3	3	7,87	4	4,00
(B)16hr	Control	P56192	Methionine--tRNA ligase, cytoplasmic	MARS	11	14,56	22	22,00
(B)16hr	SEEL	P56192	Methionine--tRNA ligase, cytoplasmic	MARS	9	11,89	21	21,00
(B)16hr	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	6	10,22	13	13,00
(B)16hr	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	29	42,41	213	213,00
(B)16hr	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	39	53,87	1015	1015,00
(B)16hr	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	20	34,83	154	154,00
(B)16hr	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	4	6,90	8	8,00
(B)16hr	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	10	15,72	31	31,00
(B)16hr	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	15	20,97	50	50,00
(B)16hr	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	36	58,34	728	728,00
(B)16hr	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	5	7,72	11	11,00
(B)16hr	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	5	8,14	11	11,00
(B)16hr	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	9	13,66	17	17,00
(B)16hr	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	33	53,10	428	428,00
(B)16hr	Control	Q9HCC0	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	34	54,17	774	774,00
(B)16hr	SEEL	Q9HCC0	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	32	54,71	488	488,00
(B)16hr	Control	P49736	DNA replication licensing factor MCM2	MCM2	11	13,61	30	30,00
(B)16hr	SEEL	P49736	DNA replication licensing factor MCM2	MCM2	7	9,18	17	17,00
(B)16hr	Control	P25205	DNA replication licensing factor MCM3	MCM3	17	22,40	42	42,00
(B)16hr	SEEL	P25205	DNA replication licensing factor MCM3	MCM3	14	17,57	33	33,00
(B)16hr	Control	P33991	DNA replication licensing factor MCM4	MCM4	24	31,52	93	93,00
(B)16hr	SEEL	P33991	DNA replication licensing factor MCM4	MCM4	15	17,96	50	50,00
(B)16hr	Control	P33992	DNA replication licensing factor MCM5	MCM5	20	27,38	75	75,00
(B)16hr	SEEL	P33992	DNA replication licensing factor MCM5	MCM5	14	19,62	38	38,00
(B)16hr	Control	Q14566	DNA replication licensing factor MCM6	MCM6	26	31,43	112	112,00
(B)16hr	SEEL	Q14566	DNA replication licensing factor MCM6	MCM6	20	24,85	61	61,00
(B)16hr	Control	P33993	DNA replication licensing factor MCM7	MCM7	25	42,42	93	93,00
(B)16hr	Control	P33993	DNA replication licensing factor MCM7	MCM7	19	32,96	67	67,00
(B)16hr	SEEL	P33993	DNA replication licensing factor MCM7	MCM7	21	35,47	75	75,00
(B)16hr	SEEL	P33993	DNA replication licensing factor MCM7	MCM7	13	22,39	38	38,00
(B)16hr	SEEL	Q9P1T7	MyoD family inhibitor domain-containing protein	MDFIC	3	17,07	6	6,00
(B)16hr	SEEL	Q9H1U4	Multiple epidermal growth factor-like domains protein 9	MEGF9	4	7,14	14	14,00
(B)16hr	Control	P08581	Hepatocyte growth factor receptor	MET	4	2,45	6	6,00
(B)16hr	SEEL	P08581	Hepatocyte growth factor receptor	MET	33	24,82	163	163,00
(B)16hr	SEEL	P08581	Hepatocyte growth factor receptor	MET	20	15,40	82	82,00
(B)16hr	SEEL	P08582	Melanotransferrin	MFI2	6	8,94	10	10,00
(B)16hr	SEEL	O60291	E3 ubiquitin-protein ligase MGRN1	MGRN1	3	6,88	11	11,00
(B)16hr	Control	Q8IVT2	Mitotic interactor and substrate of PLK1	MISP	6	11,34	25	25,00
(B)16hr	Control	Q8IVT2	Mitotic interactor and substrate of PLK1	MISP	6	11,19	20	20,00
(B)16hr	Control	Q6WCQ1	Myosin phosphatase Rho-interacting protein	MPRIP	6	8,20	13	13,00
(B)16hr	SEEL	Q9UBG0	C-type mannose receptor 2	MRC2	9	7,78	23	23,00
(B)16hr	Control	P43246	DNA mismatch repair protein Msh2	MSH2	9	10,49	26	26,00
(B)16hr	SEEL	P43246	DNA mismatch repair protein Msh2	MSH2	6	6,42	9	9,00
(B)16hr	SEEL	P52701	DNA mismatch repair protein Msh6	MSH6	3	2,28	4	4,00
(B)16hr	Control	Q86UE4	Protein LYRIC	MTDH	4	8,42	11	11,00
(B)16hr	Control	P11586	C-1-tetrahydrofolate synthase, cytoplasmic	MTHFD1	23	24,28	56	56,00
(B)16hr	SEEL	P11586	C-1-tetrahydrofolate synthase, cytoplasmic	MTHFD1	18	18,40	51	51,00
(B)16hr	Control	Q6UB35	Monofunctional C1-tetrahydrofolate synthase, mitochondrial	MTHFD1L	10	9,61	22	22,00
(B)16hr	SEEL	Q6UB35	Monofunctional C1-tetrahydrofolate synthase, mitochondrial	MTHFD1L	6	6,65	11	11,00
(B)16hr	SEEL	P15941	Mucin-1	MUC1	2	1,75	17	17,00
(B)16hr	Control	Q8WXI7	Mucin-16	MUC16	5	0,28	14	14,00
(B)16hr	SEEL	Q8WXI7	Mucin-16	MUC16	14	0,77	84	84,00
(B)16hr	SEEL	Q8WXI7	Mucin-16	MUC16	8	0,40	15	15,00
(B)16hr	SEEL	Q99102	Mucin-4	MUC4	2	1,11	5	5,00
(B)16hr	Control	Q14764	Major vault protein	MVP	23	30,35	88	88,00
(B)16hr	SEEL	Q14764	Major vault protein	MVP	9	10,41	22	22,00
(B)16hr	Control	Q9BQG0	Myb-binding protein 1A	MYBBP1A	5	3,54	12	12,00
(B)16hr	SEEL	Q9BQG0	Myb-binding protein 1A	MYBBP1A	13	9,86	33	33,00
(B)16hr	Control	P35580	Myosin-10	MYH10	8	4,05	19	19,00

(B)16hr	Control	P35580	Myosin-10	MYH10	2	0,56	31	31,00
(B)16hr	Control	P35580	Myosin-10	MYH10	8	5,11	17	17,00
(B)16hr	Control	P35580	Myosin-10	MYH10	2	0,96	4	4,00
(B)16hr	SEEL	P35580	Myosin-10	MYH10	68	34,62	300	300,00
(B)16hr	Control	P35749	Myosin-11	MYH11	2	1,12	8	8,00
(B)16hr	Control	Q7Z406	Myosin-14	MYH14	2	0,95	11	11,00
(B)16hr	Control	P35579	Myosin-9	MYH9	127	55,36	1689	1689,00
(B)16hr	Control	P35579	Myosin-9	MYH9	188	63,62	4434	4434,00
(B)16hr	Control	P35579	Myosin-9	MYH9	73	37,04	336	336,00
(B)16hr	Control	P35579	Myosin-9	MYH9	19	11,07	70	70,00
(B)16hr	SEEL	P35579	Myosin-9	MYH9	124	56,17	926	926,00
(B)16hr	SEEL	P35579	Myosin-9	MYH9	133	55,71	1518	1518,00
(B)16hr	SEEL	P35579	Myosin-9	MYH9	14	8,32	31	31,00
(B)16hr	SEEL	P35579	Myosin-9	MYH9	5	3,16	7	7,00
(B)16hr	Control	O43795	Unconventional myosin-Ib	MYO1B	8	7,83	17	17,00
(B)16hr	Control	O43795	Unconventional myosin-Ib	MYO1B	12	11,44	26	26,00
(B)16hr	Control	O43795	Unconventional myosin-Ib	MYO1B	48	41,02	325	325,00
(B)16hr	SEEL	O43795	Unconventional myosin-Ib	MYO1B	4	3,52	7	7,00
(B)16hr	SEEL	O43795	Unconventional myosin-Ib	MYO1B	22	20,60	65	65,00
(B)16hr	Control	O00159	Unconventional myosin-Ic	MYO1C	2	2,07	3	3,00
(B)16hr	Control	Q12965	Unconventional myosin-Ie	MYO1E	18	18,14	57	57,00
(B)16hr	SEEL	Q12965	Unconventional myosin-Ie	MYO1E	7	6,50	20	20,00
(B)16hr	Control	Q9Y4I1	Unconventional myosin-Va	MYO5A	11	6,90	24	24,00
(B)16hr	Control	Q9Y4I1	Unconventional myosin-Va	MYO5A	16	9,97	37	37,00
(B)16hr	SEEL	Q9Y4I1	Unconventional myosin-Va	MYO5A	6	3,40	10	10,00
(B)16hr	Control	Q9ULV0	Unconventional myosin-Vb	MYO5B	2	1,73	7	7,00
(B)16hr	Control	Q9NQX4	Unconventional myosin-Vc	MYO5C	5	2,99	10	10,00
(B)16hr	Control	Q9UM54	Unconventional myosin-VI	MYO6	4	4,02	5	5,00
(B)16hr	SEEL	Q9NZM1	Myoferlin	MYOF	42	24,02	156	156,00
(B)16hr	Control	Q9H0A0	N-acetyltransferase 10	NAT10	9	9,56	20	20,00
(B)16hr	SEEL	Q9H0A0	N-acetyltransferase 10	NAT10	10	10,05	24	24,00
(B)16hr	SEEL	B3KTP9	cDNA FLJ38578 fis, clone HCHON2007674, highly similar to NUCLEOLIN	NCL	9	12,95	19	19,00
(B)16hr	Control	P19338	Nucleolin	NCL	13	17,46	46	46,00
(B)16hr	SEEL	Q969V3	Nicalin	NCLN	3	5,51	12	12,00
(B)16hr	SEEL	Q68D85	Natural cytotoxicity triggering receptor 3 ligand 1	NCR3LG1	9	23,57	29	29,00
(B)16hr	SEEL	Q92542	Nicastrin	NCSTN	8	10,44	49	49,00
(B)16hr	SEEL	Q92542	Nicastrin	NCSTN	13	21,86	157	157,00
(B)16hr	SEEL	Q92859	Neogenin	NEO1	2	1,85	3	3,00
(B)16hr	Control	O15226	NF-kappa-B-repressing factor	NKRF	4	6,09	8	8,00
(B)16hr	Control	Q13423	NAD(P) transhydrogenase, mitochondrial	NNT	6	5,71	11	11,00
(B)16hr	Control	Q15233	Non-POU domain-containing octamer-binding protein	NONO	4	6,79	27	27,00
(B)16hr	SEEL	Q15233	Non-POU domain-containing octamer-binding protein	NONO	3	5,10	14	14,00
(B)16hr	Control	O00567	Nucleolar protein 56	NOP56	13	23,91	61	61,00
(B)16hr	SEEL	O00567	Nucleolar protein 56	NOP56	6	10,27	19	19,00
(B)16hr	Control	Q9Y2X3	Nucleolar protein 58	NOP58	7	16,45	20	20,00
(B)16hr	SEEL	Q9Y2X3	Nucleolar protein 58	NOP58	3	6,81	10	10,00
(B)16hr	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	2	0,97	2	2,00
(B)16hr	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	11	5,50	25	25,00
(B)16hr	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	5	2,39	13	13,00
(B)16hr	Control	P55786	Puromycin-sensitive aminopeptidase	NPEPPS	18	19,26	40	40,00
(B)16hr	SEEL	P55786	Puromycin-sensitive aminopeptidase	NPEPPS	8	9,79	17	17,00
(B)16hr	SEEL	P16066	Atrial natriuretic peptide receptor 1	NPR1	17	18,19	42	42,00
(B)16hr	SEEL	P17342	Atrial natriuretic peptide receptor 3	NPR3	6	10,72	15	15,00
(B)16hr	SEEL	Q9Y639	Neuroplastin	NPTN	9	21,61	47	47,00
(B)16hr	SEEL	Q9Y639	Neuroplastin	NPTN	8	20,10	109	109,00
(B)16hr	SEEL	Q92823	Neuronal cell adhesion molecule	NRCAM	4	3,91	10	10,00
(B)16hr	SEEL	O14786	Neuropilin-1	NRP1	3	5,42	14	14,00
(B)16hr	SEEL	O14786	Neuropilin-1	NRP1	4	7,04	7	7,00
(B)16hr	SEEL	O14786	Neuropilin-1	NRP1	3	5,31	6	6,00
(B)16hr	Control	Q08J23	tRNA (cytosine(34)-C(5))-methyltransferase	NSUN2	18	27,25	62	62,00
(B)16hr	SEEL	Q08J23	tRNA (cytosine(34)-C(5))-methyltransferase	NSUN2	16	22,95	45	45,00
(B)16hr	SEEL	P21589	5'-nucleotidase	NT5E	10	22,47	30	30,00
(B)16hr	Control	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	22	11,21	47	47,00
(B)16hr	SEEL	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	6	3,59	9	9,00
(B)16hr	SEEL	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	16	7,99	33	33,00
(B)16hr	SEEL	Q12769	Nuclear pore complex protein Nup160	NUP160	3	1,88	6	6,00

(B)16hr	Control	Q92621	Nuclear pore complex protein Nup205	NUP205	4	2,29	10	10,00
(B)16hr	SEEL	Q92621	Nuclear pore complex protein Nup205	NUP205	8	4,52	17	17,00
(B)16hr	SEEL	Q8TEM1	Nuclear pore membrane glycoprotein 210	NUP210	8	5,35	19	19,00
(B)16hr	Control	Q8N1F7	Nuclear pore complex protein Nup93	NUP93	15	20,51	48	48,00
(B)16hr	SEEL	Q8N1F7	Nuclear pore complex protein Nup93	NUP93	15	22,59	33	33,00
(B)16hr	Control	Q9UBU9	Nuclear RNA export factor 1	NXF1	6	10,18	15	15,00
(B)16hr	SEEL	Q9UBU9	Nuclear RNA export factor 1	NXF1	6	10,50	13	13,00
(B)16hr	SEEL	B4DF00	cDNA FLJ53308, highly similar to 2-oxoglutarate dehydrogenase E1 component, mitochondrial (EC 1.2.4.2)	OGDH	10	10,16	24	24,00
(B)16hr	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	17	18,87	50	50,00
(B)16hr	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	56	50,05	1137	1137,00
(B)16hr	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	22	22,58	71	71,00
(B)16hr	Control	Q9ULD0	2-oxoglutarate dehydrogenase-like, mitochondrial	OGDHL	3	2,87	5	5,00
(B)16hr	Control	P11940	Polyadenylate-binding protein 1	PABPC1	10	16,19	36	36,00
(B)16hr	SEEL	P11940	Polyadenylate-binding protein 1	PABPC1	9	13,84	19	19,00
(B)16hr	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	36	36,33	192	192,00
(B)16hr	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	57	51,36	735	735,00
(B)16hr	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	79	70,20	3419	3419,00
(B)16hr	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	51	48,39	367	367,00
(B)16hr	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	37	36,50	225	225,00
(B)16hr	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	61	57,81	737	737,00
(B)16hr	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	76	72,67	2166	2166,00
(B)16hr	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	42	46,69	230	230,00
(B)16hr	Control	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	3	4,26	7	7,00
(B)16hr	Control	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	8	11,54	30	30,00
(B)16hr	Control	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	53	66,90	717	717,00
(B)16hr	SEEL	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	6	9,62	13	13,00
(B)16hr	SEEL	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	5	6,59	14	14,00
(B)16hr	SEEL	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	47	61,81	533	533,00
(B)16hr	Control	P05166	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	3	7,61	5	5,00
(B)16hr	Control	P05166	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	13	29,31	31	31,00
(B)16hr	SEEL	O60245	Protocadherin-7	PCDH7	17	20,39	74	74,00
(B)16hr	SEEL	O60245	Protocadherin-7	PCDH7	16	18,71	97	97,00
(B)16hr	SEEL	O60245	Protocadherin-7	PCDH7	2	2,71	6	6,00
(B)16hr	Control	Q8WUM4	Programmed cell death 6-interacting protein	PDCD6IP	12	17,28	29	29,00
(B)16hr	SEEL	Q8WUM4	Programmed cell death 6-interacting protein	PDCD6IP	20	25,58	56	56,00
(B)16hr	Control	P08559	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	PDHA1	5	12,05	13	13,00
(B)16hr	Control	P08559	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	PDHA1	5	12,05	16	16,00
(B)16hr	SEEL	O00541	Pescadillo homolog	PES1	4	6,29	8	8,00
(B)16hr	Control	P08237	ATP-dependent 6-phosphofructokinase, muscle type	PFKM	2	2,44	3	3,00
(B)16hr	Control	P08237	ATP-dependent 6-phosphofructokinase, muscle type	PFKM	5	6,28	12	12,00
(B)16hr	SEEL	P08237	ATP-dependent 6-phosphofructokinase, muscle type	PFKM	6	6,79	15	15,00
(B)16hr	Control	Q01813	ATP-dependent 6-phosphofructokinase, platelet type	PFKP	3	3,70	5	5,00
(B)16hr	SEEL	M4QHP2	PIEZO1	PIEZO1	3	1,79	38	38,00
(B)16hr	SEEL	Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	4	1,82	56	56,00
(B)16hr	SEEL	Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	20	10,31	55	55,00
(B)16hr	SEEL	Q9H5I5	Piezo-type mechanosensitive ion channel component 2	PIEZO2	12	4,83	32	32,00
(B)16hr	Control	P14618	Pyruvate kinase PKM	PKM	3	6,03	5	5,00
(B)16hr	Control	P14618	Pyruvate kinase PKM	PKM	29	54,24	250	250,00
(B)16hr	SEEL	P14618	Pyruvate kinase PKM	PKM	10	18,83	28	28,00
(B)16hr	SEEL	P14618	Pyruvate kinase PKM	PKM	9	22,98	22	22,00
(B)16hr	SEEL	P14618	Pyruvate kinase PKM	PKM	11	23,92	42	42,00
(B)16hr	SEEL	P14618	Pyruvate kinase PKM	PKM	32	60,08	232	232,00
(B)16hr	Control	Q99959	Plakophilin-2	PKP2	3	4,88	5	5,00
(B)16hr	SEEL	Q99959	Plakophilin-2	PKP2	3	4,09	5	5,00
(B)16hr	Control	Q15149	Plectin	PLEC	198	41,01	876	876,00
(B)16hr	Control	Q15149	Plectin	PLEC	108	24,32	331	331,00
(B)16hr	Control	Q15149	Plectin	PLEC	3	0,56	3	3,00
(B)16hr	SEEL	Q15149	Plectin	PLEC	137	30,72	470	470,00
(B)16hr	SEEL	Q15149	Plectin	PLEC	57	13,58	167	167,00
(B)16hr	SEEL	Q9UIW2	Plexin-A1	PLXNA1	3	1,48	6	6,00
(B)16hr	SEEL	Q9UIW2	Plexin-A1	PLXNA1	47	28,96	311	311,00
(B)16hr	SEEL	Q9UIW2	Plexin-A1	PLXNA1	2	1,05	6	6,00
(B)16hr	SEEL	O75051	Plexin-A2	PLXNA2	3	1,58	8	8,00
(B)16hr	SEEL	O43157	Plexin-B1	PLXNB1	6	4,31	30	30,00
(B)16hr	SEEL	O43157	Plexin-B1	PLXNB1	19	10,54	80	80,00
(B)16hr	SEEL	O43157	Plexin-B1	PLXNB1	5	2,67	19	19,00

(B)16hr	SEEL	O15031	Plexin-B2	PLXNB2	3	3,48	6	6,00
(B)16hr	SEEL	O15031	Plexin-B2	PLXNB2	27	17,79	220	220,00
(B)16hr	SEEL	O15031	Plexin-B2	PLXNB2	17	10,07	51	51,00
(B)16hr	SEEL	O15031	Plexin-B2	PLXNB2	39	21,00	400	400,00
(B)16hr	SEEL	Q9Y4D7	Plexin-D1	PLXND1	23	14,81	117	117,00
(B)16hr	SEEL	O00592	Podocalyxin	PODXL	7	12,90	41	41,00
(B)16hr	SEEL	O00592	Podocalyxin	PODXL	13	22,94	248	248,00
(B)16hr	SEEL	O00592	Podocalyxin	PODXL	7	12,54	27	27,00
(B)16hr	SEEL	O00592	Podocalyxin	PODXL	6	11,29	41	41,00
(B)16hr	Control	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	49	12,02	122	122,00
(B)16hr	Control	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	6	1,45	14	14,00
(B)16hr	SEEL	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	84	20,30	303	303,00
(B)16hr	SEEL	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	15	3,90	34	34,00
(B)16hr	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	9	8,44	21	21,00
(B)16hr	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	19	19,07	63	63,00
(B)16hr	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	5	5,76	10	10,00
(B)16hr	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	8	8,54	16	16,00
(B)16hr	SEEL	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	6	5,66	11	11,00
(B)16hr	SEEL	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	12	12,81	45	45,00
(B)16hr	Control	O94906	Pre-mRNA-processing factor 6	PRPF6	5	5,95	8	8,00
(B)16hr	SEEL	O94906	Pre-mRNA-processing factor 6	PRPF6	5	6,16	7	7,00
(B)16hr	Control	Q6P2Q9	Pre-mRNA-processing-splicing factor 8	PRPF8	4	1,58	7	7,00
(B)16hr	SEEL	Q6P2Q9	Pre-mRNA-processing-splicing factor 8	PRPF8	4	1,50	7	7,00
(B)16hr	SEEL	P0CW18	Serine protease 56	PRSS56	7	11,94	19	19,00
(B)16hr	Control	Q13200	26S proteasome non-ATPase regulatory subunit 2	PSMD2	15	19,71	44	44,00
(B)16hr	SEEL	Q13200	26S proteasome non-ATPase regulatory subunit 2	PSMD2	15	20,70	49	49,00
(B)16hr	Control	O43242	26S proteasome non-ATPase regulatory subunit 3	PSMD3	21	41,20	69	69,00
(B)16hr	SEEL	O43242	26S proteasome non-ATPase regulatory subunit 3	PSMD3	20	37,45	79	79,00
(B)16hr	Control	P26599	Polypyrimidine tract-binding protein 1	PTBP1	3	5,08	6	6,00
(B)16hr	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	4	3,53	32	32,00
(B)16hr	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	5	4,55	54	54,00
(B)16hr	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	6	6,14	17	17,00
(B)16hr	SEEL	Q13308	Inactive tyrosine-protein kinase 7	PTK7	9	9,72	22	22,00
(B)16hr	SEEL	Q9P035	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	PTPLAD1	3	11,88	4	4,00
(B)16hr	SEEL	Q9P035	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	PTPLAD1	2	9,67	4	4,00
(B)16hr	SEEL	P18433	Receptor-type tyrosine-protein phosphatase alpha	PTPRA	32	41,15	166	166,00
(B)16hr	Control	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	16	11,43	52	52,00
(B)16hr	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	50	32,93	477	477,00
(B)16hr	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	6	3,88	26	26,00
(B)16hr	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	24	16,15	136	136,00
(B)16hr	SEEL	P23470	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	25	21,04	110	110,00
(B)16hr	SEEL	P23470	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	3	2,01	6	6,00
(B)16hr	SEEL	Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	6	6,73	10	10,00
(B)16hr	SEEL	Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	26	23,19	152	152,00
(B)16hr	SEEL	E9PGC5	Receptor-type tyrosine-protein phosphatase kappa	PTPRK	12	9,71	32	32,00
(B)16hr	SEEL	A8E4L7	PTPRS protein (Fragment)	PTPRS	2	11,46	4	4,00
(B)16hr	Control	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	8	5,54	21	21,00
(B)16hr	SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	12	9,65	74	74,00
(B)16hr	SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	8	6,57	17	17,00
(B)16hr	Control	Q9UHX1	Poly(U)-binding-splicing factor PUF60	PUF60	13	29,52	56	56,00
(B)16hr	SEEL	Q9UHX1	Poly(U)-binding-splicing factor PUF60	PUF60	7	15,56	15	15,00
(B)16hr	SEEL	A8K4I1	cDNA FLJ75404	PVR	10	24,70	281	281,00
(B)16hr	SEEL	P15151	Poliovirus receptor	PVR	4	10,31	11	11,00
(B)16hr	SEEL	P15151	Poliovirus receptor	PVR	7	15,11	20	20,00
(B)16hr	SEEL	Q92692	Nectin-2	PVRL2	3	4,83	9	9,00
(B)16hr	SEEL	Q92692	Nectin-2	PVRL2	3	6,69	17	17,00
(B)16hr	SEEL	Q9UEI6	Polio virus related protein 2, alpha isoform (Fragment)	PVRL2	2	4,45	16	16,00
(B)16hr	SEEL	Q9NQS3	Nectin-3	PVRL3	5	14,94	8	8,00
(B)16hr	Control	P47897	Glutamine--tRNA ligase	QARS	8	11,74	17	17,00
(B)16hr	SEEL	P47897	Glutamine--tRNA ligase	QARS	10	14,58	20	20,00
(B)16hr	Control	P62826	GTP-binding nuclear protein Ran	RAN	4	19,44	12	12,00
(B)16hr	Control	P62826	GTP-binding nuclear protein Ran	RAN	3	15,74	4	4,00
(B)16hr	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	5	19,91	22	22,00
(B)16hr	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	5	19,91	20	20,00
(B)16hr	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	4	18,98	10	10,00
(B)16hr	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	4	20,83	8	8,00

(B)16hr	SEEL	P49792	E3 SUMO-protein ligase RanBP2	RANBP2	2	0,78	3	3,00
(B)16hr	Control	P54136	Arginine--tRNA ligase, cytoplasmic	RARS	9	14,24	21	21,00
(B)16hr	SEEL	P54136	Arginine--tRNA ligase, cytoplasmic	RARS	11	16,97	35	35,00
(B)16hr	Control	Q7Z6E9	E3 ubiquitin-protein ligase RBBP6	RBBP6	6	3,35	12	12,00
(B)16hr	Control	Q96PK6	RNA-binding protein 14	RBM14	20	30,19	77	77,00
(B)16hr	SEEL	Q96PK6	RNA-binding protein 14	RBM14	17	27,80	70	70,00
(B)16hr	SEEL	Q96T37	Putative RNA-binding protein 15	RBM15	2	2,97	3	3,00
(B)16hr	Control	P49756	RNA-binding protein 25	RBM25	4	6,64	10	10,00
(B)16hr	Control	Q14498	RNA-binding protein 39	RBM39	3	5,85	6	6,00
(B)16hr	SEEL	Q7Z3J3	RanBP2-like and GRIP domain-containing protein 4	RGPD4	3	2,05	4	4,00
(B)16hr	SEEL	Q9Y6N7	Roundabout homolog 1	ROBO1	12	8,30	27	27,00
(B)16hr	SEEL	Q9Y6N7	Roundabout homolog 1	ROBO1	42	28,95	421	421,00
(B)16hr	SEEL	Q9Y6N7	Roundabout homolog 1	ROBO1	34	24,41	179	179,00
(B)16hr	SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	4	4,77	8	8,00
(B)16hr	SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	20	20,25	128	128,00
(B)16hr	SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	3	3,71	7	7,00
(B)16hr	Control	P27694	Replication protein A 70 kDa DNA-binding subunit	RPA1	6	11,20	15	15,00
(B)16hr	SEEL	P27694	Replication protein A 70 kDa DNA-binding subunit	RPA1	2	3,73	3	3,00
(B)16hr	SEEL	P40429	60S ribosomal protein L13a	RPL13A	4	16,26	7	7,00
(B)16hr	SEEL	P61313	60S ribosomal protein L15	RPL15	4	18,14	17	17,00
(B)16hr	SEEL	Q02543	60S ribosomal protein L18a	RPL18A	2	13,07	8	8,00
(B)16hr	SEEL	Q02543	60S ribosomal protein L18a	RPL18A	2	13,07	7	7,00
(B)16hr	SEEL	P62829	60S ribosomal protein L23	RPL23	2	21,43	4	4,00
(B)16hr	SEEL	P46779	60S ribosomal protein L28	RPL28	3	21,90	7	7,00
(B)16hr	SEEL	P46779	60S ribosomal protein L28	RPL28	4	27,74	8	8,00
(B)16hr	SEEL	P39023	60S ribosomal protein L3	RPL3	2	5,96	5	5,00
(B)16hr	Control	P04843	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	RPN1	18	29,16	52	52,00
(B)16hr	SEEL	P04843	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	RPN1	13	23,23	29	29,00
(B)16hr	Control	P04844	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	RPN2	10	21,87	47	47,00
(B)16hr	SEEL	P04844	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	RPN2	12	27,26	51	51,00
(B)16hr	SEEL	P62280	40S ribosomal protein S11	RPS11	5	24,05	18	18,00
(B)16hr	SEEL	P62280	40S ribosomal protein S11	RPS11	5	27,85	16	16,00
(B)16hr	SEEL	P62263	40S ribosomal protein S14	RPS14	2	15,89	4	4,00
(B)16hr	SEEL	P15880	40S ribosomal protein S2	RPS2	3	10,58	8	8,00
(B)16hr	SEEL	P15880	40S ribosomal protein S2	RPS2	7	23,89	24	24,00
(B)16hr	SEEL	P15880	40S ribosomal protein S2	RPS2	3	10,92	8	8,00
(B)16hr	SEEL	P15880	40S ribosomal protein S2	RPS2	6	20,14	25	25,00
(B)16hr	SEEL	P62266	40S ribosomal protein S23	RPS23	4	29,37	16	16,00
(B)16hr	SEEL	P62266	40S ribosomal protein S23	RPS23	4	29,37	11	11,00
(B)16hr	SEEL	P42677	40S ribosomal protein S27	RPS27	2	25,00	5	5,00
(B)16hr	SEEL	P23396	40S ribosomal protein S3	RPS3	9	35,80	22	22,00
(B)16hr	SEEL	P23396	40S ribosomal protein S3	RPS3	10	37,45	32	32,00
(B)16hr	SEEL	P23396	40S ribosomal protein S3	RPS3	8	31,69	15	15,00
(B)16hr	SEEL	P23396	40S ribosomal protein S3	RPS3	8	28,40	21	21,00
(B)16hr	SEEL	P62753	40S ribosomal protein S6	RPS6	3	12,85	12	12,00
(B)16hr	SEEL	P62753	40S ribosomal protein S6	RPS6	4	17,27	14	14,00
(B)16hr	SEEL	P46781	40S ribosomal protein S9	RPS9	7	35,05	25	25,00
(B)16hr	SEEL	P46781	40S ribosomal protein S9	RPS9	4	17,53	12	12,00
(B)16hr	Control	P23921	Ribonucleoside-diphosphate reductase large subunit	RRM1	12	14,39	56	56,00
(B)16hr	SEEL	P23921	Ribonucleoside-diphosphate reductase large subunit	RRM1	11	14,77	37	37,00
(B)16hr	Control	Q5VWQ0	Round spermatid basic protein 1	RSBN1	2	3,24	7	7,00
(B)16hr	Control	Q6PCB5	Round spermatid basic protein 1-like protein	RSBN1L	5	6,26	12	12,00
(B)16hr	SEEL	Q9Y3I0	tRNA-splicing ligase RtcB homolog	RTCB	3	4,36	4	4,00
(B)16hr	SEEL	Q9NQC3	Reticulon-4	RTN4	2	2,27	5	5,00
(B)16hr	SEEL	Q86UN3	Reticulon-4 receptor-like 2	RTN4RL2	8	18,33	32	32,00
(B)16hr	SEEL	O14828	Secretory carrier-associated membrane protein 3	SCAMP3	2	8,36	4	4,00
(B)16hr	SEEL	O14828	Secretory carrier-associated membrane protein 3	SCAMP3	2	8,36	4	4,00
(B)16hr	SEEL	A0A024RBS4	Scavenger receptor class B, member 1, isoform CRA_b	SCARB1	10	15,72	89	89,00
(B)16hr	SEEL	Q8WTV0	Scavenger receptor class B member 1	SCARB1	3	5,43	12	12,00
(B)16hr	Control	Q9Y6U3	Adseverin	SCIN	10	15,24	33	33,00
(B)16hr	Control	Q9Y6U3	Adseverin	SCIN	22	33,85	105	105,00
(B)16hr	SEEL	Q9Y6U3	Adseverin	SCIN	5	7,97	12	12,00
(B)16hr	SEEL	Q9NY46	Sodium channel protein type 3 subunit alpha	SCN3A	2	1,40	16	16,00
(B)16hr	Control	P31040	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	8	12,50	22	22,00
(B)16hr	SEEL	P31040	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	3	5,27	7	7,00
(B)16hr	Control	B4DF60	cDNA FLJ55960, highly similar to Protein transport protein Sec23A	SEC23A	5	7,69	13	13,00

(B)16hr	SEEL	B4DF60	cDNA FLJ55960, highly similar to Protein transport protein Sec23A	SEC23A	2	3,02	6	6,00
(B)16hr	Control	P53992	Protein transport protein Sec24C	SEC24C	7	7,13	19	19,00
(B)16hr	SEEL	P53992	Protein transport protein Sec24C	SEC24C	4	3,66	6	6,00
(B)16hr	Control	P23246	Splicing factor, proline- and glutamine-rich	SFPQ	8	13,44	41	41,00
(B)16hr	SEEL	P23246	Splicing factor, proline- and glutamine-rich	SFPQ	7	11,88	20	20,00
(B)16hr	SEEL	P78324	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	5	15,67	9	9,00
(B)16hr	SEEL	P55011	Solute carrier family 12 member 2	SLC12A2	10	9,98	25	25,00
(B)16hr	SEEL	P55011	Solute carrier family 12 member 2	SLC12A2	17	19,64	74	74,00
(B)16hr	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	16	15,70	73	73,00
(B)16hr	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	28	27,24	260	260,00
(B)16hr	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	16	16,81	67	67,00
(B)16hr	Control	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	3	11,04	12	12,00
(B)16hr	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	3	11,04	14	14,00
(B)16hr	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	4	11,04	28	28,00
(B)16hr	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	5	11,25	24	24,00
(B)16hr	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	3	8,54	16	16,00
(B)16hr	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	3	7,31	14	14,00
(B)16hr	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	4	8,82	23	23,00
(B)16hr	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	5	10,54	16	16,00
(B)16hr	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	3	7,31	15	15,00
(B)16hr	SEEL	P41440	Folate transporter 1	SLC19A1	3	5,58	9	9,00
(B)16hr	SEEL	P43007	Neutral amino acid transporter A	SLC1A4	5	12,22	10	10,00
(B)16hr	Control	Q15758	Neutral amino acid transporter B(0)	SLC1A5	6	11,46	19	19,00
(B)16hr	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	5	11,65	12	12,00
(B)16hr	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	9	21,81	40	40,00
(B)16hr	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	9	21,81	50	50,00
(B)16hr	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	14	28,10	112	112,00
(B)16hr	Control	O75746	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12	3	4,13	5	5,00
(B)16hr	SEEL	O75746	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12	2	3,39	2	2,00
(B)16hr	Control	Q9UJS0	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13	15	27,26	44	44,00
(B)16hr	SEEL	Q9UJS0	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13	13	24,44	40	40,00
(B)16hr	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	3	6,91	22	22,00
(B)16hr	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	7	16,30	41	41,00
(B)16hr	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	4	8,84	16	16,00
(B)16hr	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	4	8,84	12	12,00
(B)16hr	Control	P05141	ADP/ATP translocase 2	SLC25A5	2	8,05	8	8,00
(B)16hr	Control	P05141	ADP/ATP translocase 2	SLC25A5	7	22,15	13	13,00
(B)16hr	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	17	17,00
(B)16hr	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	15	15,00
(B)16hr	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	10	10,00
(B)16hr	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	12	12,00
(B)16hr	Control	P12236	ADP/ATP translocase 3	SLC25A6	2	8,05	9	9,00
(B)16hr	SEEL	P12236	ADP/ATP translocase 3	SLC25A6	2	8,05	12	12,00
(B)16hr	SEEL	P12236	ADP/ATP translocase 3	SLC25A6	3	10,74	13	13,00
(B)16hr	SEEL	Q99808	Equilibrative nucleoside transporter 1	SLC29A1	5	10,75	17	17,00
(B)16hr	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	3	10,37	15	15,00
(B)16hr	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	26	26,00
(B)16hr	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	20	20,00
(B)16hr	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	8,74	18	18,00
(B)16hr	SEEL	Q8TDB8	Solute carrier family 2, facilitated glucose transporter member 14	SLC2A14	5	13,27	21	21,00
(B)16hr	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	3	5,44	14	14,00
(B)16hr	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	4	9,48	20	20,00
(B)16hr	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	3	5,44	13	13,00
(B)16hr	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	3	6,51	10	10,00
(B)16hr	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	15	33,14	73	73,00
(B)16hr	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	6	13,61	23	23,00
(B)16hr	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	9	22,29	53	53,00
(B)16hr	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	2	3,90	6	6,00
(B)16hr	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	6	9,03	36	36,00
(B)16hr	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	7	10,88	31	31,00
(B)16hr	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	4	7,19	14	14,00
(B)16hr	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	4	10,87	14	14,00
(B)16hr	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	4	10,87	9	9,00
(B)16hr	SEEL	Q9ULF5	Zinc transporter ZIP10	SLC39A10	5	4,33	40	40,00
(B)16hr	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	3	6,91	13	13,00
(B)16hr	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	4	10,98	36	36,00

(B)16hr	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	4	10,98	19	19,00
(B)16hr	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	2	5,08	7	7,00
(B)16hr	SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	3	5,83	7	7,00
(B)16hr	SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	3	5,83	8	8,00
(B)16hr	SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	5	5,83	17	17,00
(B)16hr	SEEL	F5GZS6	4F2 cell-surface antigen heavy chain	SLC3A2	38	53,42	1358	1358,00
(B)16hr	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	6	13,17	16	16,00
(B)16hr	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	21	32,86	99	99,00
(B)16hr	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	21	30,48	103	103,00
(B)16hr	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	19	32,54	82	82,00
(B)16hr	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	25	37,78	260	260,00
(B)16hr	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	24	33,49	485	485,00
(B)16hr	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	33	40,16	1168	1168,00
(B)16hr	SEEL	A0A024R798	Solute carrier family 44, member 2, isoform CRA_b	SLC44A2	11	14,06	49	49,00
(B)16hr	SEEL	P04920	Anion exchange protein 2	SLC4A2	24	24,82	125	125,00
(B)16hr	SEEL	P04920	Anion exchange protein 2	SLC4A2	11	10,31	30	30,00
(B)16hr	SEEL	B5M450	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	2	1,65	8	8,00
(B)16hr	SEEL	B5M450	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	9	8,10	33	33,00
(B)16hr	SEEL	P31641	Sodium- and chloride-dependent taurine transporter	SLC6A6	4	6,77	15	15,00
(B)16hr	SEEL	P31641	Sodium- and chloride-dependent taurine transporter	SLC6A6	7	11,94	25	25,00
(B)16hr	SEEL	P48067	Sodium- and chloride-dependent glycine transporter 1	SLC6A9	5	8,78	15	15,00
(B)16hr	SEEL	P30825	High affinity cationic amino acid transporter 1	SLC7A1	2	2,54	6	6,00
(B)16hr	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	3	6,79	13	13,00
(B)16hr	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	4	8,18	22	22,00
(B)16hr	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	4	8,18	17	17,00
(B)16hr	Control	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	7	14,79	42	42,00
(B)16hr	Control	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	3	8,09	12	12,00
(B)16hr	Control	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	3	8,09	6	6,00
(B)16hr	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	5	6,90	108	108,00
(B)16hr	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	12	18,34	297	297,00
(B)16hr	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	11	18,34	222	222,00
(B)16hr	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	10	16,77	198	198,00
(B)16hr	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	2	3,30	4	4,00
(B)16hr	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	3	9,13	14	14,00
(B)16hr	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	4	10,29	10	10,00
(B)16hr	Control	P51532	Transcription activator BRG1	SMARCA4	5	3,46	8	8,00
(B)16hr	Control	Q14683	Structural maintenance of chromosomes protein 1A	SMC1A	8	6,41	15	15,00
(B)16hr	SEEL	Q14683	Structural maintenance of chromosomes protein 1A	SMC1A	4	3,33	10	10,00
(B)16hr	SEEL	O95347	Structural maintenance of chromosomes protein 2	SMC2	2	1,92	3	3,00
(B)16hr	SEEL	Q9UQE7	Structural maintenance of chromosomes protein 3	SMC3	11	10,52	22	22,00
(B)16hr	Control	Q9NTJ3	Structural maintenance of chromosomes protein 4	SMC4	8	6,13	15	15,00
(B)16hr	SEEL	Q9NTJ3	Structural maintenance of chromosomes protein 4	SMC4	4	3,26	11	11,00
(B)16hr	SEEL	Q92485	Acid sphingomyelinase-like phosphodiesterase 3b	SMPDL3B	8	21,32	36	36,00
(B)16hr	Control	Q7KZF4	Staphylococcal nuclease domain-containing protein 1	SND1	5	6,48	8	8,00
(B)16hr	Control	O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	SNRNP200	13	5,81	21	21,00
(B)16hr	SEEL	O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	SNRNP200	5	2,39	8	8,00
(B)16hr	Control	P08621	U1 small nuclear ribonucleoprotein 70 kDa	SNRNP70	15	30,43	54	54,00
(B)16hr	SEEL	P08621	U1 small nuclear ribonucleoprotein 70 kDa	SNRNP70	5	9,61	13	13,00
(B)16hr	SEEL	Q96PQ0	VPS10 domain-containing receptor SorCS2	SORCS2	11	9,66	25	25,00
(B)16hr	Control	Q13813	Spectrin alpha chain, non-erythrocytic 1	SPTAN1	38	18,04	101	101,00
(B)16hr	SEEL	Q13813	Spectrin alpha chain, non-erythrocytic 1	SPTAN1	4	1,86	4	4,00
(B)16hr	Control	Q01082	Spectrin beta chain, non-erythrocytic 1	SPTBN1	31	15,69	84	84,00
(B)16hr	SEEL	Q01082	Spectrin beta chain, non-erythrocytic 1	SPTBN1	8	3,81	15	15,00
(B)16hr	SEEL	Q13501	Sequestosome-1	SQSTM1	5	16,59	16	16,00
(B)16hr	Control	Q96SB4	SRSF protein kinase 1	SRPK1	8	13,89	31	31,00
(B)16hr	SEEL	Q96SB4	SRSF protein kinase 1	SRPK1	4	5,95	9	9,00
(B)16hr	Control	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	7	10,95	20	20,00
(B)16hr	Control	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	8	14,71	29	29,00
(B)16hr	SEEL	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	4	7,19	12	12,00
(B)16hr	SEEL	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	2	3,32	3	3,00
(B)16hr	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	65	29,58	483	483,00
(B)16hr	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	15	7,92	41	41,00
(B)16hr	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	8	3,85	20	20,00
(B)16hr	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	4	1,85	12	12,00
(B)16hr	SEEL	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	39	16,50	280	280,00
(B)16hr	SEEL	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	7	3,38	20	20,00

(B)16hr	SEEL	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	5	2,69	15	15,00
(B)16hr	Control	P40763	Signal transducer and activator of transcription 3	STAT3	4	7,66	12	12,00
(B)16hr	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	3	8,28	8	8,00
(B)16hr	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	11	32,03	83	83,00
(B)16hr	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	11	32,03	68	68,00
(B)16hr	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	9	26,36	73	73,00
(B)16hr	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	4	17,71	12	12,00
(B)16hr	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	3	10,42	9	9,00
(B)16hr	SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	4	6,45	13	13,00
(B)16hr	SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	2	3,45	8	8,00
(B)16hr	Control	O60506	Heterogeneous nuclear ribonucleoprotein Q	SYNCRIP	3	4,98	5	5,00
(B)16hr	SEEL	Q8WXH0	Nesprin-2	SYNE2	5	1,12	6	6,00
(B)16hr	Control	Q969Z0	Protein TBRG4	TBRG4	6	9,19	18	18,00
(B)16hr	Control	E7ETY2	Treacle protein	TCOF1	4	3,16	6	6,00
(B)16hr	SEEL	Q13428	Treacle protein	TCOF1	8	6,12	16	16,00
(B)16hr	SEEL	Q13428	Treacle protein	TCOF1	4	3,29	8	8,00
(B)16hr	Control	P17987	T-complex protein 1 subunit alpha	TCP1	23	43,71	167	167,00
(B)16hr	SEEL	P17987	T-complex protein 1 subunit alpha	TCP1	2	3,96	4	4,00
(B)16hr	SEEL	P17987	T-complex protein 1 subunit alpha	TCP1	3	5,94	6	6,00
(B)16hr	SEEL	P17987	T-complex protein 1 subunit alpha	TCP1	22	43,35	148	148,00
(B)16hr	SEEL	Q9P273	Teneurin-3	TENM3	12	5,00	26	26,00
(B)16hr	SEEL	Q9P273	Teneurin-3	TENM3	39	18,12	143	143,00
(B)16hr	SEEL	Q9P273	Teneurin-3	TENM3	2	0,78	3	3,00
(B)16hr	Control	Q92734	Protein TFG	TFG	5	16,25	35	35,00
(B)16hr	SEEL	Q92734	Protein TFG	TFG	3	11,75	10	10,00
(B)16hr	Control	P02786	Transferrin receptor protein 1	TFRC	19	28,82	72	72,00
(B)16hr	Control	P02786	Transferrin receptor protein 1	TFRC	8	12,76	24	24,00
(B)16hr	SEEL	P02786	Transferrin receptor protein 1	TFRC	39	50,00	401	401,00
(B)16hr	SEEL	P02786	Transferrin receptor protein 1	TFRC	44	54,74	783	783,00
(B)16hr	SEEL	P02786	Transferrin receptor protein 1	TFRC	51	61,97	1135	1135,00
(B)16hr	SEEL	P02786	Transferrin receptor protein 1	TFRC	38	50,66	467	467,00
(B)16hr	SEEL	P07996	Thrombospondin-1	THBS1	8	8,80	13	13,00
(B)16hr	Control	Q8NI27	THO complex subunit 2	THOC2	8	5,84	15	15,00
(B)16hr	Control	P29401	Transketolase	TKT	4	8,51	8	8,00
(B)16hr	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	45	33,77	307	307,00
(B)16hr	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	15	11,35	36	36,00
(B)16hr	SEEL	Q9NV96	Cell cycle control protein 50A	TMEM30A	2	5,82	6	6,00
(B)16hr	SEEL	Q92973	Transportin-1	TNPO1	2	3,34	6	6,00
(B)16hr	Control	Q96GM8	Target of EGR1 protein 1	TOE1	6	13,73	19	19,00
(B)16hr	SEEL	Q96GM8	Target of EGR1 protein 1	TOE1	4	9,61	10	10,00
(B)16hr	Control	P11387	DNA topoisomerase 1	TOP1	5	6,93	9	9,00
(B)16hr	Control	P11387	DNA topoisomerase 1	TOP1	6	8,10	12	12,00
(B)16hr	Control	P11387	DNA topoisomerase 1	TOP1	47	48,37	541	541,00
(B)16hr	Control	P11387	DNA topoisomerase 1	TOP1	7	8,76	21	21,00
(B)16hr	SEEL	P11387	DNA topoisomerase 1	TOP1	22	29,02	149	149,00
(B)16hr	SEEL	Q13641	Trophoblast glycoprotein	TPBG	2	5,00	2	2,00
(B)16hr	Control	Q12931	Heat shock protein 75 kDa, mitochondrial	TRAP1	14	22,16	40	40,00
(B)16hr	SEEL	Q12931	Heat shock protein 75 kDa, mitochondrial	TRAP1	17	25,00	60	60,00
(B)16hr	Control	Q9H2G4	Testis-specific Y-encoded-like protein 2	TSPYL2	6	6,78	14	14,00
(B)16hr	Control	Q8WZ42	Titin	TTN	4	0,19	10	10,00
(B)16hr	Control	Q8WZ42	Titin	TTN	5	0,17	13	13,00
(B)16hr	Control	Q8WZ42	Titin	TTN	10	0,52	24	24,00
(B)16hr	SEEL	Q8WZ42	Titin	TTN	4	0,11	10	10,00
(B)16hr	SEEL	Q8WZ42	Titin	TTN	9	0,48	18	18,00
(B)16hr	SEEL	Q8WZ42	Titin	TTN	6	0,28	10	10,00
(B)16hr	Control	P68363	Tubulin alpha-1B chain	TUBA1B	7	18,40	20	20,00
(B)16hr	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	4	12,64	9	9,00
(B)16hr	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	8	23,73	25	25,00
(B)16hr	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	8	25,06	24	24,00
(B)16hr	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	13	35,03	48	48,00
(B)16hr	Control	P26368	Splicing factor U2AF 65 kDa subunit	U2AF2	5	13,47	14	14,00
(B)16hr	Control	P0CG47	Polyubiquitin-B	UBB	4	20,52	23	23,00
(B)16hr	Control	P0CG47	Polyubiquitin-B	UBB	4	20,52	41	41,00
(B)16hr	Control	P0CG47	Polyubiquitin-B	UBB	4	20,52	15	15,00
(B)16hr	SEEL	P0CG47	Polyubiquitin-B	UBB	6	23,14	119	119,00
(B)16hr	SEEL	P0CG47	Polyubiquitin-B	UBB	6	23,14	204	204,00

(B)16hr	SEEL	P0CG47	Polyubiquitin-B	UBB	6	23,14	193	193,00
(B)16hr	SEEL	P0CG47	Polyubiquitin-B	UBB	7	25,76	136	136,00
(B)16hr	Control	Q9UFQ0	Putative uncharacterized protein DKFZp434K0435 (Fragment)	UBC	5	23,01	31	31,00
(B)16hr	SEEL	Q5T4S7	E3 ubiquitin-protein ligase UBR4	UBR4	9	1,91	17	17,00
(B)16hr	SEEL	O60701	UDP-glucose 6-dehydrogenase	UGDH	6	15,59	12	12,00
(B)16hr	Control	Q92900	Regulator of nonsense transcripts 1	UPF1	3	3,90	4	4,00
(B)16hr	Control	Q92900	Regulator of nonsense transcripts 1	UPF1	21	24,09	59	59,00
(B)16hr	SEEL	O75691	Small subunit processome component 20 homolog	UTP20	2	0,79	4	4,00
(B)16hr	Control	Q8TAA9	Vang-like protein 1	VANGL1	18	40,65	139	139,00
(B)16hr	SEEL	Q8TAA9	Vang-like protein 1	VANGL1	17	33,59	84	84,00
(B)16hr	SEEL	P26640	Valine--tRNA ligase	VARS	4	3,96	9	9,00
(B)16hr	SEEL	Q6EMK4	Vasorin	VASN	11	20,65	42	42,00
(B)16hr	Control	P08670	Vimentin	VIM	25	50,64	135	135,00
(B)16hr	SEEL	P08670	Vimentin	VIM	23	44,21	114	114,00
(B)16hr	SEEL	P04004	Vitronectin	VTN	5	11,72	8	8,00
(B)16hr	SEEL	P04004	Vitronectin	VTN	4	6,90	22	22,00
(B)16hr	Control	O14980	Exportin-1	XPO1	7	7,10	16	16,00
(B)16hr	SEEL	O14980	Exportin-1	XPO1	13	14,19	32	32,00
(B)16hr	Control	O43592	Exportin-T	XPOT	3	3,85	5	5,00
(B)16hr	Control	P13010	X-ray repair cross-complementing protein 5	XRCC5	5	6,83	10	10,00
(B)16hr	Control	P12956	X-ray repair cross-complementing protein 6	XRCC6	3	6,40	8	8,00
(B)16hr	Control	P54577	Tyrosine--tRNA ligase, cytoplasmic	YARS	6	11,36	13	13,00
(B)16hr	SEEL	P54577	Tyrosine--tRNA ligase, cytoplasmic	YARS	8	14,58	24	24,00
(C)16hr(+)Ch	SEEL	Q9NP58	ATP-binding cassette sub-family B member 6	ABCB6	8	13,54	17	17,00
(C)16hr(+)Ch	SEEL	P33527	Multidrug resistance-associated protein 1	ABCC1	14	10,65	47	47,00
(C)16hr(+)Ch	SEEL	P33527	Multidrug resistance-associated protein 1	ABCC1	44	35,92	203	203,00
(C)16hr(+)Ch	SEEL	O15439	Multidrug resistance-associated protein 4	ABCC4	11	8,08	26	26,00
(C)16hr(+)Ch	SEEL	O15439	Multidrug resistance-associated protein 4	ABCC4	34	27,70	135	135,00
(C)16hr(+)Ch	SEEL	O15440	Multidrug resistance-associated protein 5	ABCC5	5	3,69	8	8,00
(C)16hr(+)Ch	SEEL	O15440	Multidrug resistance-associated protein 5	ABCC5	12	8,49	28	28,00
(C)16hr(+)Ch	SEEL	P61221	ATP-binding cassette sub-family E member 1	ABCE1	15	25,88	79	79,00
(C)16hr(+)Ch	Control	Q8NE71	ATP-binding cassette sub-family F member 1	ABCF1	13	15,62	34	34,00
(C)16hr(+)Ch	SEEL	Q8NE71	ATP-binding cassette sub-family F member 1	ABCF1	6	10,06	13	13,00
(C)16hr(+)Ch	SEEL	Q9UG63	ATP-binding cassette sub-family F member 2	ABCF2	3	4,98	8	8,00
(C)16hr(+)Ch	SEEL	Q9UNQ0	ATP-binding cassette sub-family G member 2	ABCG2	4	7,18	6	6,00
(C)16hr(+)Ch	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	96	41,26	607	607,00
(C)16hr(+)Ch	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	44	17,65	556	556,00
(C)16hr(+)Ch	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	24	11,85	76	76,00
(C)16hr(+)Ch	Control	Q13085	Acetyl-CoA carboxylase 1	ACACA	5	2,64	7	7,00
(C)16hr(+)Ch	SEEL	Q13085	Acetyl-CoA carboxylase 1	ACACA	73	33,03	451	451,00
(C)16hr(+)Ch	SEEL	Q13085	Acetyl-CoA carboxylase 1	ACACA	35	16,71	263	263,00
(C)16hr(+)Ch	Control	O00763	Acetyl-CoA carboxylase 2	ACACB	6	1,87	14	14,00
(C)16hr(+)Ch	SEEL	O95573	Long-chain-fatty-acid--CoA ligase 3	ACSL3	3	5,14	11	11,00
(C)16hr(+)Ch	SEEL	O60488	Long-chain-fatty-acid--CoA ligase 4	ACSL4	8	10,69	20	20,00
(C)16hr(+)Ch	Control	P60709	Actin, cytoplasmic 1	ACTB	3	8,27	7	7,00
(C)16hr(+)Ch	Control	P60709	Actin, cytoplasmic 1	ACTB	4	13,07	7	7,00
(C)16hr(+)Ch	Control	P60709	Actin, cytoplasmic 1	ACTB	3	8,27	8	8,00
(C)16hr(+)Ch	SEEL	P60709	Actin, cytoplasmic 1	ACTB	5	16,53	18	18,00
(C)16hr(+)Ch	SEEL	P60709	Actin, cytoplasmic 1	ACTB	4	12,53	20	20,00
(C)16hr(+)Ch	SEEL	P60709	Actin, cytoplasmic 1	ACTB	2	7,47	9	9,00
(C)16hr(+)Ch	SEEL	P60709	Actin, cytoplasmic 1	ACTB	9	24,80	39	39,00
(C)16hr(+)Ch	SEEL	Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	7	9,04	29	29,00
(C)16hr(+)Ch	SEEL	Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	5	6,95	14	14,00
(C)16hr(+)Ch	SEEL	P78536	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17	4	4,25	11	11,00
(C)16hr(+)Ch	SEEL	P78536	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17	2	2,06	3	3,00
(C)16hr(+)Ch	SEEL	O60266	Adenylate cyclase type 3	ADCY3	4	5,33	8	8,00
(C)16hr(+)Ch	SEEL	O60503	Adenylate cyclase type 9	ADCY9	3	2,66	6	6,00
(C)16hr(+)Ch	SEEL	O60503	Adenylate cyclase type 9	ADCY9	7	5,99	17	17,00
(C)16hr(+)Ch	SEEL	O00468	Agrin	AGRN	9	5,08	16	16,00
(C)16hr(+)Ch	SEEL	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	18	4,01	55	55,00
(C)16hr(+)Ch	SEEL	Q8IVF2	Protein AHNAK2	AHNAK2	2	0,85	7	7,00
(C)16hr(+)Ch	SEEL	P02765	Alpha-2-HS-glycoprotein	AHSG	2	3,54	5	5,00
(C)16hr(+)Ch	Control	O95831	Apoptosis-inducing factor 1, mitochondrial	AIFM1	4	7,01	11	11,00
(C)16hr(+)Ch	SEEL	O95831	Apoptosis-inducing factor 1, mitochondrial	AIFM1	4	7,01	12	12,00
(C)16hr(+)Ch	Control	Q02040	A-kinase anchor protein 17A	AKAP17A	18	20,72	76	76,00
(C)16hr(+)Ch	SEEL	X6RAJ1	A-kinase anchor protein 17A	AKAP17A	8	18,61	21	21,00

(C)16hr(+)Ch	SEEL	Q13740	CD166 antigen	ALCAM	6	8,92	24	24,00
(C)16hr(+)Ch	SEEL	Q13740	CD166 antigen	ALCAM	29	53,69	374	374,00
(C)16hr(+)Ch	SEEL	Q13740	CD166 antigen	ALCAM	4	9,09	11	11,00
(C)16hr(+)Ch	Control	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	12	16,98	83	83,00
(C)16hr(+)Ch	Control	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	8	9,94	23	23,00
(C)16hr(+)Ch	SEEL	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	16	21,51	45	45,00
(C)16hr(+)Ch	SEEL	P54886	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1	5	5,91	9	9,00
(C)16hr(+)Ch	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	13	27,84	64	64,00
(C)16hr(+)Ch	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	7	14,58	27	27,00
(C)16hr(+)Ch	SEEL	P09923	Intestinal-type alkaline phosphatase	ALPI	17	39,77	289	289,00
(C)16hr(+)Ch	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	6	16,26	19	19,00
(C)16hr(+)Ch	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	3	9,35	7	7,00
(C)16hr(+)Ch	SEEL	P05187	Alkaline phosphatase, placental type	ALPP	2	2,06	35	35,00
(C)16hr(+)Ch	SEEL	Q4KMQ2	Anoctamin-6	ANO6	9	11,98	22	22,00
(C)16hr(+)Ch	SEEL	Q4KMQ2	Anoctamin-6	ANO6	10	11,87	24	24,00
(C)16hr(+)Ch	SEEL	P15144	Aminopeptidase N	ANPEP	15	15,20	53	53,00
(C)16hr(+)Ch	SEEL	B5ME49	AP-1 complex subunit mu-1	AP1M1	2	0,18	13	13,00
(C)16hr(+)Ch	Control	O14617	AP-3 complex subunit delta-1	AP3D1	3	2,86	5	5,00
(C)16hr(+)Ch	Control	O14617	AP-3 complex subunit delta-1	AP3D1	13	11,27	39	39,00
(C)16hr(+)Ch	SEEL	O14617	AP-3 complex subunit delta-1	AP3D1	4	3,64	10	10,00
(C)16hr(+)Ch	SEEL	O14617	AP-3 complex subunit delta-1	AP3D1	7	6,76	17	17,00
(C)16hr(+)Ch	Control	P04114	Apolipoprotein B-100	APOB	6	1,31	13	13,00
(C)16hr(+)Ch	SEEL	P04114	Apolipoprotein B-100	APOB	17	3,33	153	153,00
(C)16hr(+)Ch	SEEL	P04114	Apolipoprotein B-100	APOB	11	2,32	46	46,00
(C)16hr(+)Ch	SEEL	P04114	Apolipoprotein B-100	APOB	3	0,70	6	6,00
(C)16hr(+)Ch	Control	P48444	Coatomer subunit delta	ARCN1	2	3,91	8	8,00
(C)16hr(+)Ch	SEEL	P48444	Coatomer subunit delta	ARCN1	4	8,22	9	9,00
(C)16hr(+)Ch	Control	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	7	9,13	21	21,00
(C)16hr(+)Ch	Control	A0A024RDY9	Rho guanine nucleotide exchange factor (GEF) 7, isoform CRA_b	ARHGEF7	29	43,03	191	191,00
(C)16hr(+)Ch	Control	Q14155	Rho guanine nucleotide exchange factor 7	ARHGEF7	8	8,84	21	21,00
(C)16hr(+)Ch	Control	Q9NR48	Histone-lysine N-methyltransferase ASH1L	ASH1L	3	1,38	4	4,00
(C)16hr(+)Ch	SEEL	Q9NR48	Histone-lysine N-methyltransferase ASH1L	ASH1L	5	2,26	7	7,00
(C)16hr(+)Ch	Control	Q9NVI7	ATPase family AAA domain-containing protein 3A	ATAD3A	8	11,67	23	23,00
(C)16hr(+)Ch	SEEL	Q9NVI7	ATPase family AAA domain-containing protein 3A	ATAD3A	11	18,14	30	30,00
(C)16hr(+)Ch	SEEL	Q9H7F0	Probable cation-transporting ATPase 13A3	ATP13A3	3	2,77	7	7,00
(C)16hr(+)Ch	Control	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	9	9,58	24	24,00
(C)16hr(+)Ch	Control	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	10	10,75	35	35,00
(C)16hr(+)Ch	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	30	26,49	255	255,00
(C)16hr(+)Ch	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	10	6,35	87	87,00
(C)16hr(+)Ch	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	11	6,74	146	146,00
(C)16hr(+)Ch	SEEL	P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	18	18,38	108	108,00
(C)16hr(+)Ch	SEEL	B3KW93	cDNA FLJ42590 fis, clone BRACE3009708, highly similar to Sodium/potassium-transporting ATPase alpha-2chain (EC 3.6.3.9)	ATP1A2	2	2,17	10	10,00
(C)16hr(+)Ch	SEEL	B3KW93	cDNA FLJ42590 fis, clone BRACE3009708, highly similar to Sodium/potassium-transporting ATPase alpha-2chain (EC 3.6.3.9)	ATP1A2	2	2,17	22	22,00
(C)16hr(+)Ch	SEEL	P13637	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3	2	1,97	9	9,00
(C)16hr(+)Ch	SEEL	P13637	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3	2	1,97	25	25,00
(C)16hr(+)Ch	SEEL	P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	2	8,25	6	6,00
(C)16hr(+)Ch	SEEL	P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	7	22,77	58	58,00
(C)16hr(+)Ch	SEEL	P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	7	22,77	30	30,00
(C)16hr(+)Ch	SEEL	P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	6	24,73	21	21,00
(C)16hr(+)Ch	SEEL	P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	5	21,86	23	23,00
(C)16hr(+)Ch	SEEL	P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	6	25,81	56	56,00
(C)16hr(+)Ch	Control	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	6	6,24	13	13,00
(C)16hr(+)Ch	Control	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	15	14,40	60	60,00
(C)16hr(+)Ch	SEEL	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	4	4,61	15	15,00
(C)16hr(+)Ch	SEEL	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	14	16,03	55	55,00
(C)16hr(+)Ch	Control	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	11	10,49	23	23,00
(C)16hr(+)Ch	SEEL	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	14	13,20	42	42,00
(C)16hr(+)Ch	SEEL	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	8	7,87	33	33,00
(C)16hr(+)Ch	SEEL	Q93050	V-type proton ATPase 116 kDa subunit a isoform 1	ATP6V0A1	2	2,27	6	6,00
(C)16hr(+)Ch	SEEL	O75882	Attractin	ATRN	3	2,59	5	5,00
(C)16hr(+)Ch	SEEL	O75882	Attractin	ATRN	18	12,46	87	87,00
(C)16hr(+)Ch	SEEL	P50895	Basal cell adhesion molecule	BCAM	2	4,14	5	5,00
(C)16hr(+)Ch	SEEL	P50895	Basal cell adhesion molecule	BCAM	21	41,56	147	147,00
(C)16hr(+)Ch	SEEL	P50895	Basal cell adhesion molecule	BCAM	8	16,72	36	36,00
(C)16hr(+)Ch	Control	P51587	Breast cancer type 2 susceptibility protein	BRCA2	5	2,49	19	19,00

(C)16hr(+)Ch	SEEL	P35613	Basigin	BSG	6	16,88	21	21,00
(C)16hr(+)Ch	SEEL	P35613	Basigin	BSG	7	21,56	31	31,00
(C)16hr(+)Ch	SEEL	P35613	Basigin	BSG	11	35,58	476	476,00
(C)16hr(+)Ch	SEEL	Q10589	Bone marrow stromal antigen 2	BST2	2	13,89	6	6,00
(C)16hr(+)Ch	SEEL	Q10589	Bone marrow stromal antigen 2	BST2	4	18,89	26	26,00
(C)16hr(+)Ch	SEEL	Q7KYR7	Butyrophilin subfamily 2 member A1	BTN2A1	10	18,03	57	57,00
(C)16hr(+)Ch	Control	Q9H8G2	Caspase activity and apoptosis inhibitor 1	CAAP1	6	18,28	22	22,00
(C)16hr(+)Ch	SEEL	Q9H8G2	Caspase activity and apoptosis inhibitor 1	CAAP1	3	10,80	9	9,00
(C)16hr(+)Ch	SEEL	P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1	CACNA2D1	29	30,19	136	136,00
(C)16hr(+)Ch	Control	P27708	CAD protein	CAD	5	2,52	11	11,00
(C)16hr(+)Ch	SEEL	P27708	CAD protein	CAD	3	1,71	5	5,00
(C)16hr(+)Ch	SEEL	Q9BY67	Cell adhesion molecule 1	CADM1	9	24,21	50	50,00
(C)16hr(+)Ch	SEEL	Q8NFZ8	Cell adhesion molecule 4	CADM4	7	25,52	22	22,00
(C)16hr(+)Ch	SEEL	Q03135	Caveolin-1	CAV1	5	35,39	32	32,00
(C)16hr(+)Ch	Control	P49368	T-complex protein 1 subunit gamma	CCT3	10	21,65	20	20,00
(C)16hr(+)Ch	SEEL	P49368	T-complex protein 1 subunit gamma	CCT3	10	21,28	34	34,00
(C)16hr(+)Ch	SEEL	P48643	T-complex protein 1 subunit epsilon	CCT5	4	7,76	15	15,00
(C)16hr(+)Ch	Control	P40227	T-complex protein 1 subunit zeta	CCT6A	8	16,76	26	26,00
(C)16hr(+)Ch	SEEL	P40227	T-complex protein 1 subunit zeta	CCT6A	9	19,77	32	32,00
(C)16hr(+)Ch	Control	P50990	T-complex protein 1 subunit theta	CCT8	9	17,34	24	24,00
(C)16hr(+)Ch	SEEL	P50990	T-complex protein 1 subunit theta	CCT8	8	16,24	26	26,00
(C)16hr(+)Ch	SEEL	Q6YHK3	CD109 antigen	CD109	26	20,83	112	112,00
(C)16hr(+)Ch	SEEL	Q6YHK3	CD109 antigen	CD109	7	5,54	11	11,00
(C)16hr(+)Ch	SEEL	P48509	CD151 antigen	CD151	4	13,04	26	26,00
(C)16hr(+)Ch	SEEL	P48509	CD151 antigen	CD151	4	13,83	19	19,00
(C)16hr(+)Ch	SEEL	P48509	CD151 antigen	CD151	4	13,04	21	21,00
(C)16hr(+)Ch	SEEL	Q5ZPR3	CD276 antigen	CD276	8	23,78	41	41,00
(C)16hr(+)Ch	SEEL	Q5ZPR3	CD276 antigen	CD276	8	21,16	362	362,00
(C)16hr(+)Ch	SEEL	Q5ZPR3	CD276 antigen	CD276	7	20,41	48	48,00
(C)16hr(+)Ch	SEEL	Q9NPF0	CD320 antigen	CD320	2	7,09	9	9,00
(C)16hr(+)Ch	SEEL	P16070	CD44 antigen	CD44	9	11,73	54	54,00
(C)16hr(+)Ch	SEEL	P16070	CD44 antigen	CD44	11	16,04	182	182,00
(C)16hr(+)Ch	SEEL	P16070	CD44 antigen	CD44	12	17,52	332	332,00
(C)16hr(+)Ch	SEEL	P16070	CD44 antigen	CD44	10	14,96	55	55,00
(C)16hr(+)Ch	SEEL	P15529	Membrane cofactor protein	CD46	4	10,20	19	19,00
(C)16hr(+)Ch	SEEL	P15529	Membrane cofactor protein	CD46	7	15,31	102	102,00
(C)16hr(+)Ch	SEEL	R4GN18	Membrane cofactor protein (Fragment)	CD46	2	19,23	32	32,00
(C)16hr(+)Ch	SEEL	Q08722	Leukocyte surface antigen CD47	CD47	3	8,67	41	41,00
(C)16hr(+)Ch	SEEL	Q08722	Leukocyte surface antigen CD47	CD47	3	8,67	26	26,00
(C)16hr(+)Ch	SEEL	B1AP13	Complement decay-accelerating factor	CD55	13	26,58	79	79,00
(C)16hr(+)Ch	SEEL	P08174	Complement decay-accelerating factor	CD55	12	30,71	78	78,00
(C)16hr(+)Ch	SEEL	P08174	Complement decay-accelerating factor	CD55	15	34,38	365	365,00
(C)16hr(+)Ch	SEEL	P19256	Lymphocyte function-associated antigen 3	CD58	3	8,00	20	20,00
(C)16hr(+)Ch	SEEL	P48960	CD97 antigen	CD97	7	7,19	54	54,00
(C)16hr(+)Ch	SEEL	P48960	CD97 antigen	CD97	6	9,82	37	37,00
(C)16hr(+)Ch	SEEL	P48960	CD97 antigen	CD97	17	22,40	157	157,00
(C)16hr(+)Ch	SEEL	P48960	CD97 antigen	CD97	15	22,87	137	137,00
(C)16hr(+)Ch	SEEL	P19022	Cadherin-2	CDH2	8	15,23	18	18,00
(C)16hr(+)Ch	SEEL	P19022	Cadherin-2	CDH2	18	30,35	93	93,00
(C)16hr(+)Ch	SEEL	P33151	Cadherin-5	CDH5	13	15,69	83	83,00
(C)16hr(+)Ch	SEEL	P33151	Cadherin-5	CDH5	4	6,12	9	9,00
(C)16hr(+)Ch	Control	P21127	Cyclin-dependent kinase 11B	CDK11B	6	7,42	12	12,00
(C)16hr(+)Ch	SEEL	Q9NYQ6	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	10	4,18	30	30,00
(C)16hr(+)Ch	Control	O76031	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	CLPX	2	4,11	4	4,00
(C)16hr(+)Ch	SEEL	O76031	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	CLPX	3	5,53	11	11,00
(C)16hr(+)Ch	Control	Q00610	Clathrin heavy chain 1	CLTC	22	13,19	76	76,00
(C)16hr(+)Ch	SEEL	Q00610	Clathrin heavy chain 1	CLTC	2	1,13	2	2,00
(C)16hr(+)Ch	SEEL	Q00610	Clathrin heavy chain 1	CLTC	25	18,21	81	81,00
(C)16hr(+)Ch	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	5	6,74	13	13,00
(C)16hr(+)Ch	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	11	13,71	36	36,00
(C)16hr(+)Ch	SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	6	7,66	13	13,00
(C)16hr(+)Ch	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	2	2,40	4	4,00
(C)16hr(+)Ch	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	21	36,92	69	69,00
(C)16hr(+)Ch	SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	10	15,84	24	24,00
(C)16hr(+)Ch	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	7	9,16	19	19,00
(C)16hr(+)Ch	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	8	11,61	29	29,00

(C)16hr(+)Ch	SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	15	21,29	57	57,00
(C)16hr(+)Ch	Control	P53621	Coatomer subunit alpha	COPA	14	11,76	36	36,00
(C)16hr(+)Ch	SEEL	P53621	Coatomer subunit alpha	COPA	12	11,03	24	24,00
(C)16hr(+)Ch	Control	P53618	Coatomer subunit beta	COPB1	6	8,08	21	21,00
(C)16hr(+)Ch	SEEL	P53618	Coatomer subunit beta	COPB1	5	6,30	15	15,00
(C)16hr(+)Ch	Control	Q9Y678	Coatomer subunit gamma-1	COPG1	8	12,93	18	18,00
(C)16hr(+)Ch	SEEL	Q9Y678	Coatomer subunit gamma-1	COPG1	7	8,81	15	15,00
(C)16hr(+)Ch	SEEL	O75976	Carboxypeptidase D	CPD	11	8,41	22	22,00
(C)16hr(+)Ch	SEEL	P14384	Carboxypeptidase M	CPM	2	3,84	5	5,00
(C)16hr(+)Ch	Control	Q99829	Copine-1	CPNE1	8	13,97	34	34,00
(C)16hr(+)Ch	SEEL	Q99829	Copine-1	CPNE1	5	8,94	14	14,00
(C)16hr(+)Ch	SEEL	O75131	Copine-3	CPNE3	3	8,75	12	12,00
(C)16hr(+)Ch	Control	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	4	3,40	7	7,00
(C)16hr(+)Ch	Control	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	62	43,20	641	641,00
(C)16hr(+)Ch	Control	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	20	13,53	51	51,00
(C)16hr(+)Ch	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	13	9,33	32	32,00
(C)16hr(+)Ch	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	68	51,53	511	511,00
(C)16hr(+)Ch	SEEL	P31327	Carbamoyl-phosphate synthase [ammonia], mitochondrial	CPS1	9	7,00	23	23,00
(C)16hr(+)Ch	Control	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	4	5,69	9	9,00
(C)16hr(+)Ch	SEEL	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	2	3,36	6	6,00
(C)16hr(+)Ch	SEEL	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	2	3,23	5	5,00
(C)16hr(+)Ch	SEEL	P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	5	6,99	10	10,00
(C)16hr(+)Ch	Control	P55060	Exportin-2	CSE1L	4	3,91	12	12,00
(C)16hr(+)Ch	SEEL	P55060	Exportin-2	CSE1L	6	6,49	11	11,00
(C)16hr(+)Ch	SEEL	P15509	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	CSF2RA	4	11,00	16	16,00
(C)16hr(+)Ch	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	67	35,92	624	624,00
(C)16hr(+)Ch	SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	45	25,58	229	229,00
(C)16hr(+)Ch	SEEL	P35221	Catenin alpha-1	CTNNA1	7	8,61	15	15,00
(C)16hr(+)Ch	SEEL	P35222	Catenin beta-1	CTNNB1	24	37,64	141	141,00
(C)16hr(+)Ch	SEEL	P35222	Catenin beta-1	CTNNB1	5	7,04	11	11,00
(C)16hr(+)Ch	SEEL	P17812	CTP synthase 1	CTPS1	4	7,11	12	12,00
(C)16hr(+)Ch	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	6	18,18	29	29,00
(C)16hr(+)Ch	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	5	15,06	32	32,00
(C)16hr(+)Ch	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	6	18,18	24	24,00
(C)16hr(+)Ch	SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	2	8,52	13	13,00
(C)16hr(+)Ch	SEEL	Q14118	Dystroglycan	DAG1	12	11,17	138	138,00
(C)16hr(+)Ch	SEEL	Q14118	Dystroglycan	DAG1	9	8,60	89	89,00
(C)16hr(+)Ch	Control	Q9UER7	Death domain-associated protein 6	DAXX	5	9,19	21	21,00
(C)16hr(+)Ch	Control	P11182	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	DBT	7	12,03	25	25,00
(C)16hr(+)Ch	Control	P11182	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	DBT	2	4,36	6	6,00
(C)16hr(+)Ch	Control	P81605	Dermcidin	DCD	2	20,00	9	9,00
(C)16hr(+)Ch	SEEL	P81605	Dermcidin	DCD	2	20,00	6	6,00
(C)16hr(+)Ch	SEEL	Q16832	Discoidin domain-containing receptor 2	DDR2	4	5,03	7	7,00
(C)16hr(+)Ch	Control	Q92499	ATP-dependent RNA helicase DDX1	DDX1	5	5,54	9	9,00
(C)16hr(+)Ch	SEEL	Q92499	ATP-dependent RNA helicase DDX1	DDX1	8	11,89	17	17,00
(C)16hr(+)Ch	Control	Q92841	Probable ATP-dependent RNA helicase DDX17	DDX17	5	7,96	15	15,00
(C)16hr(+)Ch	SEEL	Q92841	Probable ATP-dependent RNA helicase DDX17	DDX17	5	7,96	15	15,00
(C)16hr(+)Ch	Control	Q9UHI6	Probable ATP-dependent RNA helicase DDX20	DDX20	13	17,48	49	49,00
(C)16hr(+)Ch	SEEL	Q9UHI6	Probable ATP-dependent RNA helicase DDX20	DDX20	6	9,47	12	12,00
(C)16hr(+)Ch	Control	Q9NR30	Nucleolar RNA helicase 2	DDX21	15	18,65	50	50,00
(C)16hr(+)Ch	SEEL	Q9NR30	Nucleolar RNA helicase 2	DDX21	11	14,94	28	28,00
(C)16hr(+)Ch	Control	Q9BUQ8	Probable ATP-dependent RNA helicase DDX23	DDX23	13	16,10	44	44,00
(C)16hr(+)Ch	SEEL	Q9BUQ8	Probable ATP-dependent RNA helicase DDX23	DDX23	8	9,63	16	16,00
(C)16hr(+)Ch	SEEL	Q9GZR7	ATP-dependent RNA helicase DDX24	DDX24	7	9,78	15	15,00
(C)16hr(+)Ch	Control	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	18	29,46	79	79,00
(C)16hr(+)Ch	SEEL	O00571	ATP-dependent RNA helicase DDX3X	DDX3X	19	30,21	112	112,00
(C)16hr(+)Ch	Control	P17844	Probable ATP-dependent RNA helicase DDX5	DDX5	18	24,92	80	80,00
(C)16hr(+)Ch	SEEL	P17844	Probable ATP-dependent RNA helicase DDX5	DDX5	16	22,31	85	85,00
(C)16hr(+)Ch	Control	Q8TDD1	ATP-dependent RNA helicase DDX54	DDX54	4	4,65	6	6,00
(C)16hr(+)Ch	Control	O43143	Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	DHX15	8	10,57	21	21,00
(C)16hr(+)Ch	SEEL	O43143	Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	DHX15	3	4,03	6	6,00
(C)16hr(+)Ch	Control	Q7L2E3	Putative ATP-dependent RNA helicase DHX30	DHX30	4	2,43	6	6,00
(C)16hr(+)Ch	SEEL	Q7L2E3	Putative ATP-dependent RNA helicase DHX30	DHX30	5	4,10	9	9,00
(C)16hr(+)Ch	Control	Q8IY37	Probable ATP-dependent RNA helicase DHX37	DHX37	2	1,64	3	3,00
(C)16hr(+)Ch	Control	Q08211	ATP-dependent RNA helicase A	DHX9	27	20,55	115	115,00

(C)16hr(+)Ch	SEEL	Q08211	ATP-dependent RNA helicase A	DHX9	22	18,35	83	83,00
(C)16hr(+)Ch	SEEL	Q9P265	Disco-interacting protein 2 homolog B	DIP2B	7	4,76	18	18,00
(C)16hr(+)Ch	SEEL	Q9P265	Disco-interacting protein 2 homolog B	DIP2B	7	4,76	20	20,00
(C)16hr(+)Ch	Control	B4DJX1	Acetyltransferase component of pyruvate dehydrogenase complex	DLAT	14	26,57	103	103,00
(C)16hr(+)Ch	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	7	11,75	26	26,00
(C)16hr(+)Ch	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	14	19,01	103	103,00
(C)16hr(+)Ch	Control	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	13	22,41	307	307,00
(C)16hr(+)Ch	SEEL	P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	11	17,31	60	60,00
(C)16hr(+)Ch	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	6	11,98	20	20,00
(C)16hr(+)Ch	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	6	11,98	15	15,00
(C)16hr(+)Ch	Control	P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	17	34,77	179	179,00
(C)16hr(+)Ch	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	5	11,48	13	13,00
(C)16hr(+)Ch	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	9	17,22	30	30,00
(C)16hr(+)Ch	Control	P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	5	11,48	16	16,00
(C)16hr(+)Ch	SEEL	Q02487	Desmocollin-2	DSC2	7	9,88	25	25,00
(C)16hr(+)Ch	SEEL	Q14574	Desmocollin-3	DSC3	2	3,68	4	4,00
(C)16hr(+)Ch	SEEL	Q14126	Desmoglein-2	DSG2	8	8,77	22	22,00
(C)16hr(+)Ch	SEEL	Q14126	Desmoglein-2	DSG2	41	55,10	466	466,00
(C)16hr(+)Ch	SEEL	Q14126	Desmoglein-2	DSG2	33	37,66	243	243,00
(C)16hr(+)Ch	SEEL	Q14126	Desmoglein-2	DSG2	8	10,02	28	28,00
(C)16hr(+)Ch	Control	P15924	Desmoplakin	DSP	5	1,88	9	9,00
(C)16hr(+)Ch	Control	P15924	Desmoplakin	DSP	17	5,54	31	31,00
(C)16hr(+)Ch	SEEL	P15924	Desmoplakin	DSP	10	3,27	17	17,00
(C)16hr(+)Ch	SEEL	P15924	Desmoplakin	DSP	15	5,05	33	33,00
(C)16hr(+)Ch	Control	Q14204	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1	15	3,75	31	31,00
(C)16hr(+)Ch	SEEL	Q14204	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1	72	15,73	207	207,00
(C)16hr(+)Ch	SEEL	P42892	Endothelin-converting enzyme 1	ECE1	6	9,35	20	20,00
(C)16hr(+)Ch	SEEL	P42892	Endothelin-converting enzyme 1	ECE1	28	41,56	270	270,00
(C)16hr(+)Ch	SEEL	O95672	Endothelin-converting enzyme-like 1	ECEL1	5	7,48	19	19,00
(C)16hr(+)Ch	SEEL	O43854	EGF-like repeat and discoidin I-like domain-containing protein 3	EDIL3	12	27,71	45	45,00
(C)16hr(+)Ch	Control	P68104	Elongation factor 1-alpha 1	EEF1A1	9	17,75	39	39,00
(C)16hr(+)Ch	Control	P68104	Elongation factor 1-alpha 1	EEF1A1	2	4,55	6	6,00
(C)16hr(+)Ch	Control	P68104	Elongation factor 1-alpha 1	EEF1A1	4	8,23	11	11,00
(C)16hr(+)Ch	Control	P68104	Elongation factor 1-alpha 1	EEF1A1	6	12,55	19	19,00
(C)16hr(+)Ch	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	9	16,45	41	41,00
(C)16hr(+)Ch	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	9	21,86	43	43,00
(C)16hr(+)Ch	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	10	23,16	35	35,00
(C)16hr(+)Ch	SEEL	P68104	Elongation factor 1-alpha 1	EEF1A1	9	18,18	51	51,00
(C)16hr(+)Ch	Control	P13639	Elongation factor 2	EEF2	28	29,84	146	146,00
(C)16hr(+)Ch	SEEL	P13639	Elongation factor 2	EEF2	5	6,29	8	8,00
(C)16hr(+)Ch	SEEL	P13639	Elongation factor 2	EEF2	36	41,84	155	155,00
(C)16hr(+)Ch	Control	Q15029	116 kDa U5 small nuclear ribonucleoprotein component	EFTUD2	3	3,50	5	5,00
(C)16hr(+)Ch	Control	P00533	Epidermal growth factor receptor	EGFR	3	2,73	7	7,00
(C)16hr(+)Ch	SEEL	P00533	Epidermal growth factor receptor	EGFR	20	17,60	85	85,00
(C)16hr(+)Ch	SEEL	P00533	Epidermal growth factor receptor	EGFR	59	49,75	814	814,00
(C)16hr(+)Ch	SEEL	P00533	Epidermal growth factor receptor	EGFR	26	25,54	157	157,00
(C)16hr(+)Ch	SEEL	P00533	Epidermal growth factor receptor	EGFR	9	8,02	22	22,00
(C)16hr(+)Ch	SEEL	Q9H223	EH domain-containing protein 4	EHD4	5	13,68	10	10,00
(C)16hr(+)Ch	Control	Q9NZJ5	Eukaryotic translation initiation factor 2-alpha kinase 3	EIF2AK3	4	5,38	23	23,00
(C)16hr(+)Ch	Control	O60841	Eukaryotic translation initiation factor 5B	EIF5B	4	3,11	15	15,00
(C)16hr(+)Ch	SEEL	O60841	Eukaryotic translation initiation factor 5B	EIF5B	9	8,44	22	22,00
(C)16hr(+)Ch	SEEL	P17813	Endoglin	ENG	2	4,56	5	5,00
(C)16hr(+)Ch	SEEL	P17813	Endoglin	ENG	10	18,84	35	35,00
(C)16hr(+)Ch	SEEL	P17813	Endoglin	ENG	20	31,76	146	146,00
(C)16hr(+)Ch	SEEL	P17813	Endoglin	ENG	10	18,84	54	54,00
(C)16hr(+)Ch	SEEL	P29317	Ephrin type-A receptor 2	EPHA2	6	7,48	12	12,00
(C)16hr(+)Ch	SEEL	P29317	Ephrin type-A receptor 2	EPHA2	7	8,20	20	20,00
(C)16hr(+)Ch	SEEL	P29317	Ephrin type-A receptor 2	EPHA2	18	21,82	59	59,00
(C)16hr(+)Ch	SEEL	P29323	Ephrin type-B receptor 2	EPHB2	6	7,39	13	13,00
(C)16hr(+)Ch	SEEL	P54760	Ephrin type-B receptor 4	EPHB4	12	14,89	27	27,00
(C)16hr(+)Ch	SEEL	P54760	Ephrin type-B receptor 4	EPHB4	30	34,75	169	169,00
(C)16hr(+)Ch	Control	P58107	Epiplakin	EPPK1	6	1,38	12	12,00
(C)16hr(+)Ch	SEEL	P58107	Epiplakin	EPPK1	3	0,79	5	5,00

(C)16hr(+)Ch	Control	P07814	Bifunctional glutamate/proline--tRNA ligase	EPRS	10	5,89	30	30,00
(C)16hr(+)Ch	SEEL	P07814	Bifunctional glutamate/proline--tRNA ligase	EPRS	16	11,11	40	40,00
(C)16hr(+)Ch	SEEL	P04626	Receptor tyrosine-protein kinase erbB-2	ERBB2	15	13,55	76	76,00
(C)16hr(+)Ch	SEEL	P04626	Receptor tyrosine-protein kinase erbB-2	ERBB2	2	1,27	5	5,00
(C)16hr(+)Ch	SEEL	Q9BSJ8	Extended synaptotagmin-1	ESYT1	3	3,62	4	4,00
(C)16hr(+)Ch	Control	H7BXI1	Extended synaptotagmin-2 (Fragment)	ESYT2	11	14,03	32	32,00
(C)16hr(+)Ch	SEEL	H7BXI1	Extended synaptotagmin-2 (Fragment)	ESYT2	8	10,07	17	17,00
(C)16hr(+)Ch	SEEL	Q9NZB2	Constitutive coactivator of PPAR-gamma-like protein 1	FAM120A	6	6,80	14	14,00
(C)16hr(+)Ch	Control	P49327	Fatty acid synthase	FASN	31	12,43	95	95,00
(C)16hr(+)Ch	SEEL	P49327	Fatty acid synthase	FASN	36	16,89	88	88,00
(C)16hr(+)Ch	SEEL	Q14517	Protocadherin Fat 1	FAT1	10	2,51	17	17,00
(C)16hr(+)Ch	Control	P21333	Filamin-A	FLNA	9	4,72	16	16,00
(C)16hr(+)Ch	Control	P21333	Filamin-A	FLNA	43	20,51	124	124,00
(C)16hr(+)Ch	SEEL	P21333	Filamin-A	FLNA	21	10,92	45	45,00
(C)16hr(+)Ch	Control	O75369	Filamin-B	FLNB	5	2,19	6	6,00
(C)16hr(+)Ch	SEEL	O75369	Filamin-B	FLNB	5	3,50	17	17,00
(C)16hr(+)Ch	SEEL	B2RB38	cDNA, FLJ95288, highly similar to Homo sapiens feline leukemia virus subgroup C cellular receptor (FLVCR), mRNA	FLVCR1	6	14,77	19	19,00
(C)16hr(+)Ch	SEEL	Q9Y5Y0	Feline leukemia virus subgroup C receptor-related protein 1	FLVCR1	3	5,77	7	7,00
(C)16hr(+)Ch	Control	P35637	RNA-binding protein FUS	FUS	7	14,26	59	59,00
(C)16hr(+)Ch	SEEL	P35637	RNA-binding protein FUS	FUS	4	6,27	16	16,00
(C)16hr(+)Ch	SEEL	Q14697	Neutral alpha-glucosidase AB	GANAB	7	8,69	18	18,00
(C)16hr(+)Ch	Control	P41250	Glycine--tRNA ligase	GARS	7	8,93	20	20,00
(C)16hr(+)Ch	SEEL	P41250	Glycine--tRNA ligase	GARS	8	11,91	20	20,00
(C)16hr(+)Ch	Control	Q92616	Translational activator GCN1	GCN1L1	4	1,57	11	11,00
(C)16hr(+)Ch	SEEL	P57678	Gem-associated protein 4	GEMIN4	8	7,84	28	28,00
(C)16hr(+)Ch	Control	Q9HBB9	HC56	GEMIN4	18	19,10	55	55,00
(C)16hr(+)Ch	SEEL	P19440	Gamma-glutamyltranspeptidase 1	GGT1	8	13,01	23	23,00
(C)16hr(+)Ch	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	6	8,02	13	13,00
(C)16hr(+)Ch	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	27	38,11	184	184,00
(C)16hr(+)Ch	Control	Q9Y2X7	ARF GTPase-activating protein GIT1	GIT1	8	12,48	68	68,00
(C)16hr(+)Ch	Control	Q14161	ARF GTPase-activating protein GIT2	GIT2	4	6,06	7	7,00
(C)16hr(+)Ch	Control	Q14161	ARF GTPase-activating protein GIT2	GIT2	25	34,12	166	166,00
(C)16hr(+)Ch	Control	Q14161	ARF GTPase-activating protein GIT2	GIT2	5	6,46	12	12,00
(C)16hr(+)Ch	SEEL	Q92896	Golgi apparatus protein 1	GLG1	19	17,39	52	52,00
(C)16hr(+)Ch	Control	Q9BVP2	Guanine nucleotide-binding protein-like 3	GNL3	4	6,74	8	8,00
(C)16hr(+)Ch	SEEL	Q9BVP2	Guanine nucleotide-binding protein-like 3	GNL3	5	9,47	14	14,00
(C)16hr(+)Ch	SEEL	P15586	N-acetylglucosamine-6-sulfatase	GNS	5	9,42	10	10,00
(C)16hr(+)Ch	SEEL	P35052	Glypican-1	GPC1	15	32,97	72	72,00
(C)16hr(+)Ch	SEEL	P43304	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPD2	12	18,29	26	26,00
(C)16hr(+)Ch	SEEL	Q9Y653	G-protein coupled receptor 56	GPR56	4	6,35	8	8,00
(C)16hr(+)Ch	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	6	24,37	18	18,00
(C)16hr(+)Ch	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	5	22,41	39	39,00
(C)16hr(+)Ch	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	4	19,33	20	20,00
(C)16hr(+)Ch	SEEL	Q8NFJ5	Retinoic acid-induced protein 3	GPRC5A	4	17,93	14	14,00
(C)16hr(+)Ch	Control	P28799	Granulins	GRN	12	20,40	57	57,00
(C)16hr(+)Ch	Control	P28799	Granulins	GRN	16	25,63	149	149,00
(C)16hr(+)Ch	SEEL	P28799	Granulins	GRN	10	18,89	40	40,00
(C)16hr(+)Ch	SEEL	P28799	Granulins	GRN	11	17,71	59	59,00
(C)16hr(+)Ch	SEEL	Q9BZE4	Nucleolar GTP-binding protein 1	GTPBP4	6	10,41	17	17,00
(C)16hr(+)Ch	Control	P40939	Trifunctional enzyme subunit alpha, mitochondrial	HADHA	3	4,59	6	6,00
(C)16hr(+)Ch	Control	Q00341	Vigilin	HDLBP	2	1,81	6	6,00
(C)16hr(+)Ch	SEEL	Q9ULI3	Protein HEG homolog 1	HEG1	7	5,43	28	28,00
(C)16hr(+)Ch	Control	P10412	Histone H1.4	HIST1H1E	4	10,50	20	20,00
(C)16hr(+)Ch	SEEL	P10412	Histone H1.4	HIST1H1E	4	15,07	10	10,00
(C)16hr(+)Ch	Control	P52789	Hexokinase-2	HK2	3	3,38	9	9,00
(C)16hr(+)Ch	SEEL	P01891	HLA class I histocompatibility antigen, A-68 alpha chain	HLA-A	2	7,40	8	8,00
(C)16hr(+)Ch	Control	P61978	Heterogeneous nuclear ribonucleoprotein K	HNRNPK	11	29,37	54	54,00
(C)16hr(+)Ch	SEEL	P61978	Heterogeneous nuclear ribonucleoprotein K	HNRNPK	8	22,03	39	39,00
(C)16hr(+)Ch	Control	B2R959	cDNA, FLJ94229, highly similar to Homo sapiens heterogeneous nuclear ribonucleoprotein L (HNRPL),mRNA	HNRNPL	8	18,64	20	20,00
(C)16hr(+)Ch	SEEL	P14866	Heterogeneous nuclear ribonucleoprotein L	HNRNPL	4	9,17	8	8,00
(C)16hr(+)Ch	Control	P52272	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	10	17,81	26	26,00
(C)16hr(+)Ch	SEEL	P52272	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	11	16,99	47	47,00
(C)16hr(+)Ch	Control	O43390	Heterogeneous nuclear ribonucleoprotein R	HNRNPR	2	3,16	3	3,00
(C)16hr(+)Ch	Control	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	8	10,18	39	39,00
(C)16hr(+)Ch	SEEL	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	7	10,55	17	17,00

(C)16hr(+)Ch	SEEL	Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	8	11,88	20	20,00
(C)16hr(+)Ch	Control	Q9BUJ2	Heterogeneous nuclear ribonucleoprotein U-like protein 1	HNRNPUL1	18	26,05	103	103,00
(C)16hr(+)Ch	SEEL	Q9BUJ2	Heterogeneous nuclear ribonucleoprotein U-like protein 1	HNRNPUL1	11	16,36	44	44,00
(C)16hr(+)Ch	Control	Q86YZ3	Hornerin	HRNR	7	3,86	23	23,00
(C)16hr(+)Ch	Control	Q86YZ3	Hornerin	HRNR	7	4,00	24	24,00
(C)16hr(+)Ch	SEEL	Q86YZ3	Hornerin	HRNR	4	2,35	17	17,00
(C)16hr(+)Ch	Control	P07900	Heat shock protein HSP 90-alpha	HSP90AA1	4	5,87	7	7,00
(C)16hr(+)Ch	SEEL	P07900	Heat shock protein HSP 90-alpha	HSP90AA1	9	12,84	44	44,00
(C)16hr(+)Ch	Control	P08238	Heat shock protein HSP 90-beta	HSP90AB1	12	19,06	67	67,00
(C)16hr(+)Ch	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	10	14,64	23	23,00
(C)16hr(+)Ch	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	16	24,59	81	81,00
(C)16hr(+)Ch	SEEL	P08238	Heat shock protein HSP 90-beta	HSP90AB1	4	5,66	10	10,00
(C)16hr(+)Ch	Control	P14625	Endoplasmin	HSP90B1	13	15,69	51	51,00
(C)16hr(+)Ch	SEEL	P14625	Endoplasmin	HSP90B1	13	17,68	31	31,00
(C)16hr(+)Ch	SEEL	P14625	Endoplasmin	HSP90B1	2	2,12	15	15,00
(C)16hr(+)Ch	Control	P08107	Heat shock 70 kDa protein 1A/1B	HSPA1A	13	23,24	72	72,00
(C)16hr(+)Ch	Control	P11021	78 kDa glucose-regulated protein	HSPA5	46	59,79	777	777,00
(C)16hr(+)Ch	SEEL	P11021	78 kDa glucose-regulated protein	HSPA5	43	60,86	496	496,00
(C)16hr(+)Ch	Control	P11142	Heat shock cognate 71 kDa protein	HSPA8	16	28,48	145	145,00
(C)16hr(+)Ch	SEEL	P11142	Heat shock cognate 71 kDa protein	HSPA8	31	51,24	303	303,00
(C)16hr(+)Ch	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	6	10,60	18	18,00
(C)16hr(+)Ch	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	16	29,31	59	59,00
(C)16hr(+)Ch	Control	P38646	Stress-70 protein, mitochondrial	HSPA9	57	60,53	1391	1391,00
(C)16hr(+)Ch	SEEL	P38646	Stress-70 protein, mitochondrial	HSPA9	7	11,93	15	15,00
(C)16hr(+)Ch	SEEL	P38646	Stress-70 protein, mitochondrial	HSPA9	50	58,76	919	919,00
(C)16hr(+)Ch	Control	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	23	41,71	130	130,00
(C)16hr(+)Ch	SEEL	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	3	5,24	5	5,00
(C)16hr(+)Ch	SEEL	P10809	60 kDa heat shock protein, mitochondrial	HSPD1	22	41,54	149	149,00
(C)16hr(+)Ch	Control	Q92598	Heat shock protein 105 kDa	HSPH1	4	5,01	8	8,00
(C)16hr(+)Ch	SEEL	Q92598	Heat shock protein 105 kDa	HSPH1	7	9,79	15	15,00
(C)16hr(+)Ch	SEEL	Q7Z6Z7	E3 ubiquitin-protein ligase HUWE1	HUWE1	6	1,87	9	9,00
(C)16hr(+)Ch	Control	Q9Y4L1	Hypoxia up-regulated protein 1	HYOU1	8	9,51	21	21,00
(C)16hr(+)Ch	SEEL	Q9Y4L1	Hypoxia up-regulated protein 1	HYOU1	2	3,40	4	4,00
(C)16hr(+)Ch	Control	P41252	Isoleucine--tRNA ligase, cytoplasmic	IARS	13	10,38	26	26,00
(C)16hr(+)Ch	SEEL	P41252	Isoleucine--tRNA ligase, cytoplasmic	IARS	15	13,15	51	51,00
(C)16hr(+)Ch	Control	Q9NSE4	Isoleucine--tRNA ligase, mitochondrial	IARS2	7	8,10	16	16,00
(C)16hr(+)Ch	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	3	6,02	8	8,00
(C)16hr(+)Ch	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	14	28,57	59	59,00
(C)16hr(+)Ch	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	29	45,68	533	533,00
(C)16hr(+)Ch	SEEL	P05362	Intercellular adhesion molecule 1	ICAM1	19	33,08	154	154,00
(C)16hr(+)Ch	SEEL	O75144	ICOS ligand	ICOSLG	2	6,95	5	5,00
(C)16hr(+)Ch	Control	Q16666	Gamma-interferon-inducible protein 16	IFI16	3	4,20	6	6,00
(C)16hr(+)Ch	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	18	13,53	51	51,00
(C)16hr(+)Ch	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	43	35,99	360	360,00
(C)16hr(+)Ch	SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	6	4,02	25	25,00
(C)16hr(+)Ch	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	72	29,79	395	395,00
(C)16hr(+)Ch	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	79	34,28	476	476,00
(C)16hr(+)Ch	SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	7	2,97	10	10,00
(C)16hr(+)Ch	SEEL	O75054	Immunoglobulin superfamily member 3	IGSF3	5	4,27	11	11,00
(C)16hr(+)Ch	SEEL	Q969P0	Immunoglobulin superfamily member 8	IGSF8	10	20,72	44	44,00
(C)16hr(+)Ch	SEEL	Q16891	MICOS complex subunit MIC60	IMMT	8	12,01	14	14,00
(C)16hr(+)Ch	SEEL	P06213	Insulin receptor	INSR	21	13,10	74	74,00
(C)16hr(+)Ch	SEEL	P06213	Insulin receptor	INSR	41	26,99	283	283,00
(C)16hr(+)Ch	SEEL	P06213	Insulin receptor	INSR	4	3,04	12	12,00
(C)16hr(+)Ch	Control	P46940	Ras GTPase-activating-like protein IQGAP1	IQGAP1	3	2,05	5	5,00
(C)16hr(+)Ch	SEEL	P46940	Ras GTPase-activating-like protein IQGAP1	IQGAP1	9	7,48	18	18,00
(C)16hr(+)Ch	SEEL	Q96J02	E3 ubiquitin-protein ligase Itchy homolog	ITCH	6	7,42	13	13,00
(C)16hr(+)Ch	SEEL	Q8TB96	T-cell immunomodulatory protein	ITFG1	9	20,26	38	38,00
(C)16hr(+)Ch	SEEL	Q9H0X4	Protein ITFG3	ITFG3	11	20,83	62	62,00
(C)16hr(+)Ch	SEEL	P56199	Integrin alpha-1	ITGA1	9	7,38	24	24,00
(C)16hr(+)Ch	SEEL	P56199	Integrin alpha-1	ITGA1	30	23,83	191	191,00
(C)16hr(+)Ch	SEEL	P17301	Integrin alpha-2	ITGA2	21	18,63	68	68,00
(C)16hr(+)Ch	SEEL	P17301	Integrin alpha-2	ITGA2	6	7,11	50	50,00
(C)16hr(+)Ch	SEEL	P17301	Integrin alpha-2	ITGA2	16	14,48	51	51,00
(C)16hr(+)Ch	SEEL	P26006	Integrin alpha-3	ITGA3	10	9,71	38	38,00
(C)16hr(+)Ch	SEEL	P26006	Integrin alpha-3	ITGA3	16	14,94	157	157,00

(C)16hr(+)Ch	SEEL	P08648	Integrin alpha-5	ITGA5	15	19,07	107	107,00
(C)16hr(+)Ch	SEEL	P08648	Integrin alpha-5	ITGA5	10	13,63	42	42,00
(C)16hr(+)Ch	SEEL	P23229	Integrin alpha-6	ITGA6	26	27,43	125	125,00
(C)16hr(+)Ch	SEEL	P23229	Integrin alpha-6	ITGA6	9	8,05	34	34,00
(C)16hr(+)Ch	SEEL	A5YM53	ITGAV protein	ITGAV	36	39,12	148	148,00
(C)16hr(+)Ch	SEEL	A5YM53	ITGAV protein	ITGAV	42	42,65	346	346,00
(C)16hr(+)Ch	SEEL	P06756	Integrin alpha-V	ITGAV	6	6,97	17	17,00
(C)16hr(+)Ch	SEEL	P05556	Integrin beta-1	ITGB1	6	6,89	14	14,00
(C)16hr(+)Ch	SEEL	P05556	Integrin beta-1	ITGB1	29	32,46	463	463,00
(C)16hr(+)Ch	SEEL	P05556	Integrin beta-1	ITGB1	24	28,20	216	216,00
(C)16hr(+)Ch	SEEL	P05556	Integrin beta-1	ITGB1	6	8,52	18	18,00
(C)16hr(+)Ch	SEEL	P16144	Integrin beta-4	ITGB4	39	22,89	157	157,00
(C)16hr(+)Ch	SEEL	P18084	Integrin beta-5	ITGB5	3	4,01	6	6,00
(C)16hr(+)Ch	SEEL	P18084	Integrin beta-5	ITGB5	28	37,30	149	149,00
(C)16hr(+)Ch	SEEL	P26012	Integrin beta-8	ITGB8	7	10,66	22	22,00
(C)16hr(+)Ch	SEEL	P23458	Tyrosine-protein kinase JAK1	JAK1	8	6,41	14	14,00
(C)16hr(+)Ch	SEEL	P23458	Tyrosine-protein kinase JAK1	JAK1	12	12,05	23	23,00
(C)16hr(+)Ch	SEEL	P14923	Junction plakoglobin	JUP	3	5,64	4	4,00
(C)16hr(+)Ch	SEEL	P14923	Junction plakoglobin	JUP	9	14,63	26	26,00
(C)16hr(+)Ch	SEEL	P14923	Junction plakoglobin	JUP	22	38,79	188	188,00
(C)16hr(+)Ch	SEEL	P14923	Junction plakoglobin	JUP	18	31,01	215	215,00
(C)16hr(+)Ch	Control	Q92945	Far upstream element-binding protein 2	KHSRP	4	6,19	7	7,00
(C)16hr(+)Ch	SEEL	Q92945	Far upstream element-binding protein 2	KHSRP	3	4,92	8	8,00
(C)16hr(+)Ch	SEEL	Q6NSJ0	Uncharacterized family 31 glucosidase KIAA1161	KIAA1161	13	17,51	44	44,00
(C)16hr(+)Ch	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	8	3,90	34	34,00
(C)16hr(+)Ch	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	4	2,72	14	14,00
(C)16hr(+)Ch	SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	10	5,44	25	25,00
(C)16hr(+)Ch	SEEL	Q9ULH0	Kinase D-interacting substrate of 220 kDa	KIDINS220	15	8,92	40	40,00
(C)16hr(+)Ch	SEEL	Q96J84	Kin of IRRE-like protein 1	KIRREL	11	20,34	40	40,00
(C)16hr(+)Ch	SEEL	Q96J84	Kin of IRRE-like protein 1	KIRREL	4	8,19	10	10,00
(C)16hr(+)Ch	Control	Q53GT1	Kelch-like protein 22	KLHL22	14	27,44	43	43,00
(C)16hr(+)Ch	SEEL	Q53GT1	Kelch-like protein 22	KLHL22	9	14,20	22	22,00
(C)16hr(+)Ch	Control	Q8NEZ4	Histone-lysine N-methyltransferase 2C	KMT2C	4	1,26	39	39,00
(C)16hr(+)Ch	SEEL	Q14974	Importin subunit beta-1	KPNB1	6	9,47	12	12,00
(C)16hr(+)Ch	SEEL	H3BLW5	Neural cell adhesion molecule L1 (Fragment)	L1CAM	2	18,30	4	4,00
(C)16hr(+)Ch	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	11	9,79	24	24,00
(C)16hr(+)Ch	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	42	35,64	612	612,00
(C)16hr(+)Ch	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	17	16,15	66	66,00
(C)16hr(+)Ch	SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	7	4,85	25	25,00
(C)16hr(+)Ch	SEEL	O15230	Laminin subunit alpha-5	LAMA5	30	9,77	72	72,00
(C)16hr(+)Ch	SEEL	O15230	Laminin subunit alpha-5	LAMA5	9	3,46	20	20,00
(C)16hr(+)Ch	SEEL	P07942	Laminin subunit beta-1	LAMB1	8	5,54	17	17,00
(C)16hr(+)Ch	SEEL	P11047	Laminin subunit gamma-1	LAMC1	10	8,02	28	28,00
(C)16hr(+)Ch	SEEL	P11279	Lysosome-associated membrane glycoprotein 1	LAMP1	6	14,15	40	40,00
(C)16hr(+)Ch	SEEL	P01130	Low-density lipoprotein receptor	LDLR	6	7,33	11	11,00
(C)16hr(+)Ch	SEEL	P01130	Low-density lipoprotein receptor	LDLR	19	24,53	133	133,00
(C)16hr(+)Ch	SEEL	P01130	Low-density lipoprotein receptor	LDLR	9	10,58	37	37,00
(C)16hr(+)Ch	SEEL	P01130	Low-density lipoprotein receptor	LDLR	2	3,14	4	4,00
(C)16hr(+)Ch	Control	Q08380	Galectin-3-binding protein	LGALS3BP	8	14,19	38	38,00
(C)16hr(+)Ch	SEEL	Q08380	Galectin-3-binding protein	LGALS3BP	9	15,90	36	36,00
(C)16hr(+)Ch	SEEL	Q9BXB1	Leucine-rich repeat-containing G-protein coupled receptor 4	LGR4	3	2,84	5	5,00
(C)16hr(+)Ch	SEEL	Q9BXB1	Leucine-rich repeat-containing G-protein coupled receptor 4	LGR4	6	6,73	10	10,00
(C)16hr(+)Ch	SEEL	P42702	Leukemia inhibitory factor receptor	LIFR	6	6,11	14	14,00
(C)16hr(+)Ch	Control	P02545	Prelamin-A/C	LMNA	29	46,23	157	157,00
(C)16hr(+)Ch	SEEL	P02545	Prelamin-A/C	LMNA	26	41,42	121	121,00
(C)16hr(+)Ch	Control	Q9UIQ6	Leucyl-cystinyl aminopeptidase	LNPEP	7	6,05	17	17,00
(C)16hr(+)Ch	SEEL	Q9UIQ6	Leucyl-cystinyl aminopeptidase	LNPEP	33	31,90	243	243,00
(C)16hr(+)Ch	Control	P36776	Lon protease homolog, mitochondrial	LONP1	4	4,48	7	7,00
(C)16hr(+)Ch	SEEL	Q9P244	Leucine-rich repeat and fibronectin type III domain-containing protein 1	LRFN1	6	9,47	12	12,00
(C)16hr(+)Ch	SEEL	Q6PJG9	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	LRFN4	7	11,97	22	22,00
(C)16hr(+)Ch	SEEL	Q07954	Prolow-density lipoprotein receptor-related protein 1	LRP1	6	1,45	11	11,00
(C)16hr(+)Ch	SEEL	B7ZLD0	LRP6 protein	LRP6	6	3,89	12	12,00
(C)16hr(+)Ch	SEEL	Q14114	Low-density lipoprotein receptor-related protein 8	LRP8	3	3,53	5	5,00
(C)16hr(+)Ch	Control	P42704	Leucine-rich PPR motif-containing protein, mitochondrial	LRPPRC	3	2,22	5	5,00
(C)16hr(+)Ch	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	12	16,54	46	46,00
(C)16hr(+)Ch	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	22	30,62	95	95,00

(C)16hr(+)Ch	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	29	41,60	167	167,00
(C)16hr(+)Ch	SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	3	4,57	5	5,00
(C)16hr(+)Ch	SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	4	5,60	6	6,00
(C)16hr(+)Ch	SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	6	7,47	18	18,00
(C)16hr(+)Ch	SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	9	12,20	23	23,00
(C)16hr(+)Ch	SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	9	11,19	22	22,00
(C)16hr(+)Ch	SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	7	9,79	16	16,00
(C)16hr(+)Ch	SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	13	17,48	38	38,00
(C)16hr(+)Ch	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	10	12,94	32	32,00
(C)16hr(+)Ch	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	11	15,45	32	32,00
(C)16hr(+)Ch	SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	9	14,95	21	21,00
(C)16hr(+)Ch	SEEL	Q86X29	Lipolysis-stimulated lipoprotein receptor	LSR	2	4,01	8	8,00
(C)16hr(+)Ch	SEEL	Q9NS15	Latent-transforming growth factor beta-binding protein 3	LTBP3	2	4,45	4	4,00
(C)16hr(+)Ch	SEEL	Q9UPN3	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5	MACF1	4	0,83	6	6,00
(C)16hr(+)Ch	Control	P56192	Methionine--tRNA ligase, cytoplasmic	MARS	3	3,33	10	10,00
(C)16hr(+)Ch	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	9	15,02	26	26,00
(C)16hr(+)Ch	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	32	43,03	438	438,00
(C)16hr(+)Ch	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	40	55,11	959	959,00
(C)16hr(+)Ch	SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	17	29,88	153	153,00
(C)16hr(+)Ch	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	6	9,79	13	13,00
(C)16hr(+)Ch	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	16	20,55	60	60,00
(C)16hr(+)Ch	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	18	24,83	63	63,00
(C)16hr(+)Ch	Control	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	35	58,34	696	696,00
(C)16hr(+)Ch	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	5	8,14	11	11,00
(C)16hr(+)Ch	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	6	10,62	15	15,00
(C)16hr(+)Ch	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	9	15,86	27	27,00
(C)16hr(+)Ch	SEEL	Q96RQ3	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	MCCC1	32	52,28	387	387,00
(C)16hr(+)Ch	Control	Q9HCC0	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	5	10,12	12	12,00
(C)16hr(+)Ch	Control	Q9HCC0	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	27	47,60	355	355,00
(C)16hr(+)Ch	SEEL	Q9HCC0	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2	22	43,69	200	200,00
(C)16hr(+)Ch	Control	P49736	DNA replication licensing factor MCM2	MCM2	3	3,76	6	6,00
(C)16hr(+)Ch	SEEL	P49736	DNA replication licensing factor MCM2	MCM2	5	6,42	20	20,00
(C)16hr(+)Ch	Control	P25205	DNA replication licensing factor MCM3	MCM3	14	17,70	28	28,00
(C)16hr(+)Ch	SEEL	P25205	DNA replication licensing factor MCM3	MCM3	12	14,98	23	23,00
(C)16hr(+)Ch	Control	P33991	DNA replication licensing factor MCM4	MCM4	18	22,60	70	70,00
(C)16hr(+)Ch	SEEL	P33991	DNA replication licensing factor MCM4	MCM4	12	15,99	36	36,00
(C)16hr(+)Ch	Control	P33992	DNA replication licensing factor MCM5	MCM5	17	22,89	57	57,00
(C)16hr(+)Ch	SEEL	P33992	DNA replication licensing factor MCM5	MCM5	12	17,98	33	33,00
(C)16hr(+)Ch	Control	Q14566	DNA replication licensing factor MCM6	MCM6	25	29,84	108	108,00
(C)16hr(+)Ch	SEEL	Q14566	DNA replication licensing factor MCM6	MCM6	17	20,71	50	50,00
(C)16hr(+)Ch	Control	P33993	DNA replication licensing factor MCM7	MCM7	19	31,02	81	81,00
(C)16hr(+)Ch	Control	P33993	DNA replication licensing factor MCM7	MCM7	16	28,23	54	54,00
(C)16hr(+)Ch	SEEL	P33993	DNA replication licensing factor MCM7	MCM7	19	32,68	67	67,00
(C)16hr(+)Ch	SEEL	P33993	DNA replication licensing factor MCM7	MCM7	13	22,95	39	39,00
(C)16hr(+)Ch	SEEL	Q9P1T7	MyoD family inhibitor domain-containing protein	MDFIC	3	17,07	5	5,00
(C)16hr(+)Ch	SEEL	Q9H1U4	Multiple epidermal growth factor-like domains protein 9	MEGF9	6	12,29	22	22,00
(C)16hr(+)Ch	SEEL	P08581	Hepatocyte growth factor receptor	MET	25	20,72	120	120,00
(C)16hr(+)Ch	SEEL	P08581	Hepatocyte growth factor receptor	MET	20	13,60	98	98,00
(C)16hr(+)Ch	SEEL	P08582	Melanotransferrin	MFI2	6	8,94	13	13,00
(C)16hr(+)Ch	SEEL	O60291	E3 ubiquitin-protein ligase MGRN1	MGRN1	6	13,59	32	32,00
(C)16hr(+)Ch	SEEL	A0A023SGA8	Truncated MHC class I polypeptide-related protein A (Fragment)	MICA	4	11,36	27	27,00
(C)16hr(+)Ch	SEEL	Q8IVT2	Mitotic interactor and substrate of PLK1	MISP	2	4,71	4	4,00
(C)16hr(+)Ch	SEEL	O95297	Myelin protein zero-like protein 1	MPZL1	2	8,92	7	7,00
(C)16hr(+)Ch	SEEL	P43246	DNA mismatch repair protein Msh2	MSH2	4	4,71	6	6,00
(C)16hr(+)Ch	Control	Q86UE4	Protein LYRIC	MTDH	2	4,64	4	4,00
(C)16hr(+)Ch	SEEL	Q86UE4	Protein LYRIC	MTDH	2	4,64	5	5,00
(C)16hr(+)Ch	Control	P11586	C-1-tetrahydrofolate synthase, cytoplasmic	MTHFD1	7	8,45	13	13,00
(C)16hr(+)Ch	SEEL	P11586	C-1-tetrahydrofolate synthase, cytoplasmic	MTHFD1	13	14,87	34	34,00
(C)16hr(+)Ch	Control	Q6UB35	Monofunctional C1-tetrahydrofolate synthase, mitochondrial	MTHFD1L	7	6,75	11	11,00
(C)16hr(+)Ch	SEEL	P15941	Mucin-1	MUC1	2	1,75	21	21,00
(C)16hr(+)Ch	Control	Q8WXI7	Mucin-16	MUC16	4	0,24	12	12,00
(C)16hr(+)Ch	SEEL	Q8WXI7	Mucin-16	MUC16	15	0,77	99	99,00
(C)16hr(+)Ch	SEEL	Q8WXI7	Mucin-16	MUC16	8	0,39	15	15,00
(C)16hr(+)Ch	SEEL	Q99102	Mucin-4	MUC4	2	1,11	6	6,00
(C)16hr(+)Ch	Control	Q14764	Major vault protein	MVP	17	23,18	48	48,00
(C)16hr(+)Ch	SEEL	Q14764	Major vault protein	MVP	4	4,48	8	8,00

(C)16hr(+)Ch	Control	Q9BQG0	Myb-binding protein 1A	MYBBP1A	6	4,44	12	12,00
(C)16hr(+)Ch	SEEL	Q9BQG0	Myb-binding protein 1A	MYBBP1A	9	7,76	18	18,00
(C)16hr(+)Ch	Control	P35580	Myosin-10	MYH10	7	3,80	15	15,00
(C)16hr(+)Ch	Control	P35579	Myosin-9	MYH9	18	9,85	43	43,00
(C)16hr(+)Ch	Control	P35579	Myosin-9	MYH9	42	20,51	173	173,00
(C)16hr(+)Ch	SEEL	P35579	Myosin-9	MYH9	5	3,06	13	13,00
(C)16hr(+)Ch	SEEL	P35579	Myosin-9	MYH9	25	15,10	76	76,00
(C)16hr(+)Ch	Control	O43795	Unconventional myosin-Ib	MYO1B	6	5,90	17	17,00
(C)16hr(+)Ch	SEEL	O00159	Unconventional myosin-Ic	MYO1C	10	10,63	21	21,00
(C)16hr(+)Ch	Control	Q12965	Unconventional myosin-Ie	MYO1E	12	11,82	28	28,00
(C)16hr(+)Ch	SEEL	Q12965	Unconventional myosin-Ie	MYO1E	8	8,21	21	21,00
(C)16hr(+)Ch	Control	Q9NZM1	Myoferlin	MYOF	3	1,75	5	5,00
(C)16hr(+)Ch	SEEL	Q9NZM1	Myoferlin	MYOF	19	10,53	36	36,00
(C)16hr(+)Ch	SEEL	Q9NZM1	Myoferlin	MYOF	62	33,82	271	271,00
(C)16hr(+)Ch	SEEL	Q9NZM1	Myoferlin	MYOF	6	3,30	13	13,00
(C)16hr(+)Ch	Control	Q9H0A0	N-acetyltransferase 10	NAT10	16	14,44	47	47,00
(C)16hr(+)Ch	SEEL	Q9H0A0	N-acetyltransferase 10	NAT10	6	6,15	13	13,00
(C)16hr(+)Ch	Control	P19338	Nucleolin	NCL	10	14,65	34	34,00
(C)16hr(+)Ch	SEEL	P19338	Nucleolin	NCL	7	11,41	16	16,00
(C)16hr(+)Ch	SEEL	Q68D85	Natural cytotoxicity triggering receptor 3 ligand 1	NCR3LG1	8	19,60	32	32,00
(C)16hr(+)Ch	SEEL	Q92542	Nicastrin	NCSTN	9	13,54	57	57,00
(C)16hr(+)Ch	SEEL	Q92542	Nicastrin	NCSTN	14	21,86	165	165,00
(C)16hr(+)Ch	SEEL	Q92542	Nicastrin	NCSTN	2	4,65	4	4,00
(C)16hr(+)Ch	SEEL	Q92859	Neogenin	NEO1	6	5,27	15	15,00
(C)16hr(+)Ch	Control	Q13423	NAD(P) transhydrogenase, mitochondrial	NNT	4	3,87	5	5,00
(C)16hr(+)Ch	Control	Q15233	Non-POU domain-containing octamer-binding protein	NONO	2	4,03	3	3,00
(C)16hr(+)Ch	SEEL	Q15233	Non-POU domain-containing octamer-binding protein	NONO	3	6,58	8	8,00
(C)16hr(+)Ch	Control	O00567	Nucleolar protein 56	NOP56	9	14,98	37	37,00
(C)16hr(+)Ch	SEEL	O00567	Nucleolar protein 56	NOP56	7	11,78	24	24,00
(C)16hr(+)Ch	Control	Q9Y2X3	Nucleolar protein 58	NOP58	5	11,72	14	14,00
(C)16hr(+)Ch	SEEL	Q9Y2X3	Nucleolar protein 58	NOP58	5	11,72	15	15,00
(C)16hr(+)Ch	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	9	3,64	32	32,00
(C)16hr(+)Ch	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	12	4,73	43	43,00
(C)16hr(+)Ch	SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	6	2,23	20	20,00
(C)16hr(+)Ch	Control	P55786	Puromycin-sensitive aminopeptidase	NPEPPS	4	4,46	7	7,00
(C)16hr(+)Ch	SEEL	P55786	Puromycin-sensitive aminopeptidase	NPEPPS	2	2,72	2	2,00
(C)16hr(+)Ch	SEEL	P16066	Atrial natriuretic peptide receptor 1	NPR1	15	16,59	40	40,00
(C)16hr(+)Ch	SEEL	P17342	Atrial natriuretic peptide receptor 3	NPR3	6	13,12	20	20,00
(C)16hr(+)Ch	SEEL	Q9Y639	Neuroplastin	NPTN	8	20,10	43	43,00
(C)16hr(+)Ch	SEEL	Q9Y639	Neuroplastin	NPTN	8	20,10	83	83,00
(C)16hr(+)Ch	SEEL	Q92823	Neuronal cell adhesion molecule	NRCAM	2	2,15	6	6,00
(C)16hr(+)Ch	SEEL	O14786	Neuropilin-1	NRP1	6	8,34	16	16,00
(C)16hr(+)Ch	SEEL	O14786	Neuropilin-1	NRP1	4	7,04	11	11,00
(C)16hr(+)Ch	SEEL	O14786	Neuropilin-1	NRP1	2	3,79	6	6,00
(C)16hr(+)Ch	Control	Q08J23	tRNA (cytosine(34)-C(5))-methyltransferase	NSUN2	11	17,08	34	34,00
(C)16hr(+)Ch	SEEL	Q08J23	tRNA (cytosine(34)-C(5))-methyltransferase	NSUN2	11	15,91	33	33,00
(C)16hr(+)Ch	SEEL	P21589	5'-nucleotidase	NT5E	10	20,21	31	31,00
(C)16hr(+)Ch	Control	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	2	1,32	4	4,00
(C)16hr(+)Ch	Control	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	16	8,09	40	40,00
(C)16hr(+)Ch	SEEL	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	9	4,78	22	22,00
(C)16hr(+)Ch	SEEL	Q14980	Nuclear mitotic apparatus protein 1	NUMA1	32	18,06	70	70,00
(C)16hr(+)Ch	Control	Q12769	Nuclear pore complex protein Nup160	NUP160	5	3,34	14	14,00
(C)16hr(+)Ch	SEEL	Q12769	Nuclear pore complex protein Nup160	NUP160	2	1,46	5	5,00
(C)16hr(+)Ch	Control	Q5SRE5	Nucleoporin NUP188 homolog	NUP188	2	1,66	2	2,00
(C)16hr(+)Ch	Control	Q92621	Nuclear pore complex protein Nup205	NUP205	7	3,73	16	16,00
(C)16hr(+)Ch	SEEL	Q92621	Nuclear pore complex protein Nup205	NUP205	4	2,14	8	8,00
(C)16hr(+)Ch	Control	Q8TEM1	Nuclear pore membrane glycoprotein 210	NUP210	17	9,06	50	50,00
(C)16hr(+)Ch	SEEL	Q8TEM1	Nuclear pore membrane glycoprotein 210	NUP210	10	5,51	18	18,00
(C)16hr(+)Ch	SEEL	Q8TEM1	Nuclear pore membrane glycoprotein 210	NUP210	19	11,55	48	48,00
(C)16hr(+)Ch	Control	Q8N1F7	Nuclear pore complex protein Nup93	NUP93	17	21,12	55	55,00
(C)16hr(+)Ch	SEEL	Q8N1F7	Nuclear pore complex protein Nup93	NUP93	10	14,41	24	24,00
(C)16hr(+)Ch	Control	Q9UBU9	Nuclear RNA export factor 1	NXF1	6	10,18	17	17,00
(C)16hr(+)Ch	SEEL	Q9UBU9	Nuclear RNA export factor 1	NXF1	5	8,56	12	12,00
(C)16hr(+)Ch	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	17	16,23	62	62,00
(C)16hr(+)Ch	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	52	45,26	797	797,00
(C)16hr(+)Ch	Control	Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	16	16,23	54	54,00

(C)16hr(+)Ch	Control	Q9ULD0	2-oxoglutarate dehydrogenase-like, mitochondrial	OGDHL	3	2,77	5	5,00
(C)16hr(+)Ch	SEEL	Q99650	Oncostatin-M-specific receptor subunit beta	OSMR	8	10,93	19	19,00
(C)16hr(+)Ch	SEEL	Q93086	P2X purinoceptor 5	P2RX5	2	5,69	5	5,00
(C)16hr(+)Ch	Control	P11940	Polyadenylate-binding protein 1	PABPC1	13	23,43	34	34,00
(C)16hr(+)Ch	SEEL	P11940	Polyadenylate-binding protein 1	PABPC1	5	9,59	12	12,00
(C)16hr(+)Ch	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	40	40,58	293	293,00
(C)16hr(+)Ch	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	57	49,92	1027	1027,00
(C)16hr(+)Ch	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	83	69,69	3744	3744,00
(C)16hr(+)Ch	Control	P11498	Pyruvate carboxylase, mitochondrial	PC	47	44,40	379	379,00
(C)16hr(+)Ch	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	40	39,39	282	282,00
(C)16hr(+)Ch	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	59	54,58	701	701,00
(C)16hr(+)Ch	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	76	71,82	2014	2014,00
(C)16hr(+)Ch	SEEL	P11498	Pyruvate carboxylase, mitochondrial	PC	28	32,85	195	195,00
(C)16hr(+)Ch	Control	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	6	8,52	16	16,00
(C)16hr(+)Ch	Control	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	10	14,70	31	31,00
(C)16hr(+)Ch	Control	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	50	61,81	787	787,00
(C)16hr(+)Ch	SEEL	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	5	8,10	11	11,00
(C)16hr(+)Ch	SEEL	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	6	7,01	14	14,00
(C)16hr(+)Ch	SEEL	P05165	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	43	58,10	448	448,00
(C)16hr(+)Ch	SEEL	P05166	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	4	10,39	10	10,00
(C)16hr(+)Ch	SEEL	O60245	Protocadherin-7	PCDH7	17	20,39	78	78,00
(C)16hr(+)Ch	SEEL	O60245	Protocadherin-7	PCDH7	15	18,15	111	111,00
(C)16hr(+)Ch	SEEL	O60245	Protocadherin-7	PCDH7	2	2,71	5	5,00
(C)16hr(+)Ch	SEEL	Q9H6A9	Pecanex-like protein 3	PCNXL3	4	2,31	8	8,00
(C)16hr(+)Ch	Control	Q8WUM4	Programmed cell death 6-interacting protein	PDCD6IP	2	3,34	3	3,00
(C)16hr(+)Ch	SEEL	Q8WUM4	Programmed cell death 6-interacting protein	PDCD6IP	29	39,75	113	113,00
(C)16hr(+)Ch	Control	P08559	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	PDHA1	7	14,36	25	25,00
(C)16hr(+)Ch	Control	P08559	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	PDHA1	4	10,26	12	12,00
(C)16hr(+)Ch	Control	O00330	Pyruvate dehydrogenase protein X component, mitochondrial	PDHX	2	3,39	6	6,00
(C)16hr(+)Ch	Control	O00330	Pyruvate dehydrogenase protein X component, mitochondrial	PDHX	3	6,19	7	7,00
(C)16hr(+)Ch	SEEL	O00541	Pescadillo homolog	PES1	3	5,27	6	6,00
(C)16hr(+)Ch	SEEL	P08237	ATP-dependent 6-phosphofructokinase, muscle type	PFKM	3	3,21	5	5,00
(C)16hr(+)Ch	SEEL	M4QHP2	PIEZO1	PIEZO1	3	1,79	37	37,00
(C)16hr(+)Ch	SEEL	Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	4	1,82	53	53,00
(C)16hr(+)Ch	SEEL	Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	20	10,87	57	57,00
(C)16hr(+)Ch	SEEL	Q9H5I5	Piezo-type mechanosensitive ion channel component 2	PIEZO2	18	6,94	47	47,00
(C)16hr(+)Ch	Control	P14618	Pyruvate kinase PKM	PKM	24	48,40	152	152,00
(C)16hr(+)Ch	SEEL	P14618	Pyruvate kinase PKM	PKM	12	26,74	28	28,00
(C)16hr(+)Ch	SEEL	P14618	Pyruvate kinase PKM	PKM	10	27,12	31	31,00
(C)16hr(+)Ch	SEEL	P14618	Pyruvate kinase PKM	PKM	10	25,80	39	39,00
(C)16hr(+)Ch	SEEL	P14618	Pyruvate kinase PKM	PKM	26	53,67	182	182,00
(C)16hr(+)Ch	Control	Q99959	Plakophilin-2	PKP2	6	8,06	10	10,00
(C)16hr(+)Ch	SEEL	Q99959	Plakophilin-2	PKP2	6	6,92	11	11,00
(C)16hr(+)Ch	SEEL	Q8IV08	Phospholipase D3	PLD3	4	7,35	10	10,00
(C)16hr(+)Ch	Control	Q15149	Plectin	PLEC	93	20,47	266	266,00
(C)16hr(+)Ch	Control	Q15149	Plectin	PLEC	66	14,39	206	206,00
(C)16hr(+)Ch	Control	Q15149	Plectin	PLEC	3	0,96	3	3,00
(C)16hr(+)Ch	SEEL	Q15149	Plectin	PLEC	96	22,20	270	270,00
(C)16hr(+)Ch	SEEL	Q15149	Plectin	PLEC	34	8,45	92	92,00
(C)16hr(+)Ch	Control	P53350	Serine/threonine-protein kinase PLK1	PLK1	2	4,48	5	5,00
(C)16hr(+)Ch	SEEL	O00469	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	PLOD2	6	9,91	16	16,00
(C)16hr(+)Ch	SEEL	Q9UIW2	Plexin-A1	PLXNA1	47	28,80	268	268,00
(C)16hr(+)Ch	SEEL	O75051	Plexin-A2	PLXNA2	2	1,06	5	5,00
(C)16hr(+)Ch	SEEL	O43157	Plexin-B1	PLXNB1	7	4,92	26	26,00
(C)16hr(+)Ch	SEEL	O43157	Plexin-B1	PLXNB1	20	11,05	62	62,00
(C)16hr(+)Ch	SEEL	O43157	Plexin-B1	PLXNB1	5	2,67	20	20,00
(C)16hr(+)Ch	SEEL	O15031	Plexin-B2	PLXNB2	3	2,07	7	7,00
(C)16hr(+)Ch	SEEL	O15031	Plexin-B2	PLXNB2	23	15,29	182	182,00
(C)16hr(+)Ch	SEEL	O15031	Plexin-B2	PLXNB2	19	10,66	45	45,00
(C)16hr(+)Ch	SEEL	O15031	Plexin-B2	PLXNB2	35	19,10	344	344,00
(C)16hr(+)Ch	SEEL	Q9Y4D7	Plexin-D1	PLXND1	3	1,87	5	5,00
(C)16hr(+)Ch	SEEL	Q9Y4D7	Plexin-D1	PLXND1	21	14,34	97	97,00
(C)16hr(+)Ch	SEEL	O00592	Podocalyxin	PODXL	8	14,87	55	55,00
(C)16hr(+)Ch	SEEL	O00592	Podocalyxin	PODXL	16	26,88	275	275,00
(C)16hr(+)Ch	SEEL	O00592	Podocalyxin	PODXL	7	12,54	28	28,00
(C)16hr(+)Ch	SEEL	O00592	Podocalyxin	PODXL	6	11,29	38	38,00

(C)16hr(+)Ch	SEEL	Q9NZ53	Podocalyxin-like protein 2	PODXL2	2	4,79	2	2,00
(C)16hr(+)Ch	SEEL	Q6S8J3	POTE ankyrin domain family member E	POTEE	2	3,72	2	2,00
(C)16hr(+)Ch	SEEL	A5A3E0	POTE ankyrin domain family member F	POTEF	3	4,74	3	3,00
(C)16hr(+)Ch	Control	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	48	11,94	116	116,00
(C)16hr(+)Ch	Control	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	16	3,88	27	27,00
(C)16hr(+)Ch	SEEL	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	97	23,16	349	349,00
(C)16hr(+)Ch	SEEL	P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	6	1,82	10	10,00
(C)16hr(+)Ch	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	11	12,31	38	38,00
(C)16hr(+)Ch	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	18	14,90	73	73,00
(C)16hr(+)Ch	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	5	4,77	11	11,00
(C)16hr(+)Ch	Control	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	2	2,09	7	7,00
(C)16hr(+)Ch	SEEL	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	5	4,27	14	14,00
(C)16hr(+)Ch	SEEL	Q13523	Serine/threonine-protein kinase PRP4 homolog	PRPF4B	8	9,43	27	27,00
(C)16hr(+)Ch	Control	O94906	Pre-mRNA-processing factor 6	PRPF6	8	8,71	13	13,00
(C)16hr(+)Ch	Control	Q6P2Q9	Pre-mRNA-processing-splicing factor 8	PRPF8	17	6,77	51	51,00
(C)16hr(+)Ch	Control	Q5JSZ5	Protein PRRC2B	PRRC2B	2	1,03	16	16,00
(C)16hr(+)Ch	SEEL	P0CW18	Serine protease 56	PRSS56	5	8,62	15	15,00
(C)16hr(+)Ch	Control	Q13200	26S proteasome non-ATPase regulatory subunit 2	PSMD2	7	9,03	22	22,00
(C)16hr(+)Ch	SEEL	Q13200	26S proteasome non-ATPase regulatory subunit 2	PSMD2	10	14,32	30	30,00
(C)16hr(+)Ch	Control	O43242	26S proteasome non-ATPase regulatory subunit 3	PSMD3	18	35,77	60	60,00
(C)16hr(+)Ch	SEEL	O43242	26S proteasome non-ATPase regulatory subunit 3	PSMD3	13	24,72	44	44,00
(C)16hr(+)Ch	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	5	4,89	11	11,00
(C)16hr(+)Ch	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	4	3,53	33	33,00
(C)16hr(+)Ch	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	5	4,55	51	51,00
(C)16hr(+)Ch	SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	9	10,01	24	24,00
(C)16hr(+)Ch	SEEL	Q13308	Inactive tyrosine-protein kinase 7	PTK7	7	6,92	17	17,00
(C)16hr(+)Ch	SEEL	Q9P035	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	PTPLAD1	2	4,42	6	6,00
(C)16hr(+)Ch	SEEL	Q9P035	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	PTPLAD1	2	9,67	3	3,00
(C)16hr(+)Ch	SEEL	P18433	Receptor-type tyrosine-protein phosphatase alpha	PTPRA	26	36,28	121	121,00
(C)16hr(+)Ch	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	31	20,40	226	226,00
(C)16hr(+)Ch	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	37	26,32	242	242,00
(C)16hr(+)Ch	SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	17	11,59	80	80,00
(C)16hr(+)Ch	SEEL	P23470	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	23	19,79	98	98,00
(C)16hr(+)Ch	SEEL	Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	10	10,32	29	29,00
(C)16hr(+)Ch	SEEL	Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	26	23,78	149	149,00
(C)16hr(+)Ch	SEEL	E9PGC5	Receptor-type tyrosine-protein phosphatase kappa	PTPRK	13	10,94	36	36,00
(C)16hr(+)Ch	SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	12	9,75	55	55,00
(C)16hr(+)Ch	SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	12	10,63	47	47,00
(C)16hr(+)Ch	SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	3	3,13	7	7,00
(C)16hr(+)Ch	Control	Q9UHX1	Poly(U)-binding-splicing factor PUF60	PUF60	12	28,44	51	51,00
(C)16hr(+)Ch	SEEL	Q9UHX1	Poly(U)-binding-splicing factor PUF60	PUF60	9	19,14	21	21,00
(C)16hr(+)Ch	SEEL	A8K4I1	cDNA FLJ75404	PVR	10	24,70	214	214,00
(C)16hr(+)Ch	SEEL	P15151	Poliovirus receptor	PVR	5	12,23	13	13,00
(C)16hr(+)Ch	SEEL	P15151	Poliovirus receptor	PVR	8	20,38	36	36,00
(C)16hr(+)Ch	SEEL	Q15223	Nectin-1	PVRL1	5	14,12	11	11,00
(C)16hr(+)Ch	SEEL	Q92692	Nectin-2	PVRL2	6	11,52	18	18,00
(C)16hr(+)Ch	SEEL	Q92692	Nectin-2	PVRL2	3	6,69	17	17,00
(C)16hr(+)Ch	SEEL	Q9UEI6	Polio virus related protein 2, alpha isoform (Fragment)	PVRL2	2	4,45	25	25,00
(C)16hr(+)Ch	SEEL	Q9NQS3	Nectin-3	PVRL3	7	17,67	14	14,00
(C)16hr(+)Ch	Control	P47897	Glutamine--tRNA ligase	QARS	5	7,10	10	10,00
(C)16hr(+)Ch	SEEL	P47897	Glutamine--tRNA ligase	QARS	7	9,29	14	14,00
(C)16hr(+)Ch	Control	P62826	GTP-binding nuclear protein Ran	RAN	4	19,44	9	9,00
(C)16hr(+)Ch	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	6	25,00	18	18,00
(C)16hr(+)Ch	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	6	25,00	25	25,00
(C)16hr(+)Ch	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	4	20,83	11	11,00
(C)16hr(+)Ch	SEEL	P62826	GTP-binding nuclear protein Ran	RAN	4	20,83	16	16,00
(C)16hr(+)Ch	Control	P49792	E3 SUMO-protein ligase RanBP2	RANBP2	8	2,88	12	12,00
(C)16hr(+)Ch	SEEL	P49792	E3 SUMO-protein ligase RanBP2	RANBP2	11	4,16	17	17,00
(C)16hr(+)Ch	SEEL	P46060	Ran GTPase-activating protein 1	RANGAP1	2	4,09	4	4,00
(C)16hr(+)Ch	Control	P54136	Arginine--tRNA ligase, cytoplasmic	RARS	5	6,52	12	12,00
(C)16hr(+)Ch	SEEL	P54136	Arginine--tRNA ligase, cytoplasmic	RARS	10	15,76	27	27,00
(C)16hr(+)Ch	Control	Q7Z6E9	E3 ubiquitin-protein ligase RBBP6	RBBP6	8	4,30	18	18,00
(C)16hr(+)Ch	SEEL	Q7Z6E9	E3 ubiquitin-protein ligase RBBP6	RBBP6	5	2,46	11	11,00
(C)16hr(+)Ch	Control	Q96PK6	RNA-binding protein 14	RBM14	19	28,10	99	99,00
(C)16hr(+)Ch	SEEL	Q96PK6	RNA-binding protein 14	RBM14	17	26,76	75	75,00
(C)16hr(+)Ch	Control	P49756	RNA-binding protein 25	RBM25	3	4,98	7	7,00

(C)16hr(+)Ch	Control	Q14498	RNA-binding protein 39	RBM39	5	11,89	10	10,00
(C)16hr(+)Ch	SEEL	Q14498	RNA-binding protein 39	RBM39	2	3,77	4	4,00
(C)16hr(+)Ch	SEEL	Q8NC42	E3 ubiquitin-protein ligase RNF149	RNF149	4	10,50	12	12,00
(C)16hr(+)Ch	SEEL	Q9Y6N7	Roundabout homolog 1	ROBO1	14	10,48	33	33,00
(C)16hr(+)Ch	SEEL	Q9Y6N7	Roundabout homolog 1	ROBO1	40	28,77	375	375,00
(C)16hr(+)Ch	SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	21	20,25	117	117,00
(C)16hr(+)Ch	SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	4	4,77	11	11,00
(C)16hr(+)Ch	SEEL	P40429	60S ribosomal protein L13a	RPL13A	5	19,21	12	12,00
(C)16hr(+)Ch	SEEL	P61313	60S ribosomal protein L15	RPL15	4	18,14	18	18,00
(C)16hr(+)Ch	SEEL	Q02543	60S ribosomal protein L18a	RPL18A	4	25,57	11	11,00
(C)16hr(+)Ch	SEEL	P46776	60S ribosomal protein L27a	RPL27A	2	15,54	5	5,00
(C)16hr(+)Ch	SEEL	P46779	60S ribosomal protein L28	RPL28	2	16,06	8	8,00
(C)16hr(+)Ch	SEEL	P36578	60S ribosomal protein L4	RPL4	2	5,39	5	5,00
(C)16hr(+)Ch	Control	P04843	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	RPN1	15	26,85	35	35,00
(C)16hr(+)Ch	SEEL	P04843	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	RPN1	14	25,37	31	31,00
(C)16hr(+)Ch	Control	P04844	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	RPN2	7	15,69	36	36,00
(C)16hr(+)Ch	SEEL	P04844	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	RPN2	11	23,93	49	49,00
(C)16hr(+)Ch	SEEL	P62280	40S ribosomal protein S11	RPS11	8	37,34	25	25,00
(C)16hr(+)Ch	SEEL	P62280	40S ribosomal protein S11	RPS11	5	27,85	12	12,00
(C)16hr(+)Ch	SEEL	P15880	40S ribosomal protein S2	RPS2	4	13,99	10	10,00
(C)16hr(+)Ch	SEEL	P15880	40S ribosomal protein S2	RPS2	7	23,89	25	25,00
(C)16hr(+)Ch	SEEL	P15880	40S ribosomal protein S2	RPS2	5	17,75	20	20,00
(C)16hr(+)Ch	SEEL	P62266	40S ribosomal protein S23	RPS23	4	29,37	15	15,00
(C)16hr(+)Ch	SEEL	P62266	40S ribosomal protein S23	RPS23	5	30,07	10	10,00
(C)16hr(+)Ch	SEEL	P42677	40S ribosomal protein S27	RPS27	2	25,00	8	8,00
(C)16hr(+)Ch	Control	P23396	40S ribosomal protein S3	RPS3	2	9,05	5	5,00
(C)16hr(+)Ch	SEEL	P23396	40S ribosomal protein S3	RPS3	7	29,22	22	22,00
(C)16hr(+)Ch	SEEL	P23396	40S ribosomal protein S3	RPS3	10	40,33	29	29,00
(C)16hr(+)Ch	SEEL	P23396	40S ribosomal protein S3	RPS3	6	23,05	15	15,00
(C)16hr(+)Ch	SEEL	P23396	40S ribosomal protein S3	RPS3	7	26,75	22	22,00
(C)16hr(+)Ch	SEEL	P62753	40S ribosomal protein S6	RPS6	3	12,85	10	10,00
(C)16hr(+)Ch	SEEL	P46781	40S ribosomal protein S9	RPS9	8	38,66	24	24,00
(C)16hr(+)Ch	Control	Q9P2E9	Ribosome-binding protein 1	RRBP1	8	6,38	17	17,00
(C)16hr(+)Ch	Control	P23921	Ribonucleoside-diphosphate reductase large subunit	RRM1	8	10,48	25	25,00
(C)16hr(+)Ch	SEEL	P23921	Ribonucleoside-diphosphate reductase large subunit	RRM1	7	10,35	25	25,00
(C)16hr(+)Ch	SEEL	Q86UN3	Reticulon-4 receptor-like 2	RTN4RL2	9	21,19	42	42,00
(C)16hr(+)Ch	SEEL	O14828	Secretory carrier-associated membrane protein 3	SCAMP3	2	8,36	4	4,00
(C)16hr(+)Ch	SEEL	O14828	Secretory carrier-associated membrane protein 3	SCAMP3	4	13,54	10	10,00
(C)16hr(+)Ch	SEEL	O14828	Secretory carrier-associated membrane protein 3	SCAMP3	2	8,36	5	5,00
(C)16hr(+)Ch	SEEL	A0A024RBS4	Scavenger receptor class B, member 1, isoform CRA_b	SCARB1	7	11,59	31	31,00
(C)16hr(+)Ch	SEEL	A0A024RBS4	Scavenger receptor class B, member 1, isoform CRA_b	SCARB1	5	7,07	30	30,00
(C)16hr(+)Ch	SEEL	O00767	Acyl-CoA desaturase	SCD	2	6,96	8	8,00
(C)16hr(+)Ch	Control	Q14160	Protein scribble homolog	SCRIB	7	4,29	12	12,00
(C)16hr(+)Ch	Control	P31040	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	5	7,53	19	19,00
(C)16hr(+)Ch	SEEL	P31040	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	3	5,27	9	9,00
(C)16hr(+)Ch	Control	O15027	Protein transport protein Sec16A	SEC16A	2	0,96	5	5,00
(C)16hr(+)Ch	Control	Q15436	Protein transport protein Sec23A	SEC23A	2	3,14	6	6,00
(C)16hr(+)Ch	Control	P53992	Protein transport protein Sec24C	SEC24C	6	7,04	17	17,00
(C)16hr(+)Ch	SEEL	Q9NRX5	Serine incorporator 1	SERINC1	2	6,62	3	3,00
(C)16hr(+)Ch	SEEL	O75533	Splicing factor 3B subunit 1	SF3B1	4	3,22	7	7,00
(C)16hr(+)Ch	Control	P23246	Splicing factor, proline- and glutamine-rich	SFPQ	7	13,15	22	22,00
(C)16hr(+)Ch	SEEL	P23246	Splicing factor, proline- and glutamine-rich	SFPQ	4	6,36	10	10,00
(C)16hr(+)Ch	Control	Q8TF17	SH3 domain and tetratricopeptide repeat-containing protein 2	SH3TC2	3	3,18	7	7,00
(C)16hr(+)Ch	SEEL	P78324	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	4	9,92	19	19,00
(C)16hr(+)Ch	SEEL	P55011	Solute carrier family 12 member 2	SLC12A2	11	11,63	31	31,00
(C)16hr(+)Ch	SEEL	P55011	Solute carrier family 12 member 2	SLC12A2	15	17,66	57	57,00
(C)16hr(+)Ch	SEEL	Q9UP95	Solute carrier family 12 member 4	SLC12A4	2	1,94	3	3,00
(C)16hr(+)Ch	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	19	16,53	80	80,00
(C)16hr(+)Ch	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	25	24,56	198	198,00
(C)16hr(+)Ch	SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	14	14,40	62	62,00
(C)16hr(+)Ch	Control	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	2	6,88	8	8,00
(C)16hr(+)Ch	Control	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	2	8,54	7	7,00
(C)16hr(+)Ch	Control	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	2	8,54	9	9,00
(C)16hr(+)Ch	Control	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	2	8,54	6	6,00
(C)16hr(+)Ch	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	3	11,04	17	17,00
(C)16hr(+)Ch	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	5	11,25	37	37,00

(C)16hr(+)Ch	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	5	11,25	26	26,00
(C)16hr(+)Ch	SEEL	B4E106	cDNA FLJ53399, highly similar to Monocarboxylate transporter 1	SLC16A1	4	11,04	19	19,00
(C)16hr(+)Ch	Control	O15427	Monocarboxylate transporter 4	SLC16A3	4	8,82	17	17,00
(C)16hr(+)Ch	Control	O15427	Monocarboxylate transporter 4	SLC16A3	2	5,59	7	7,00
(C)16hr(+)Ch	Control	O15427	Monocarboxylate transporter 4	SLC16A3	2	5,59	9	9,00
(C)16hr(+)Ch	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	5	10,54	19	19,00
(C)16hr(+)Ch	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	6	12,04	32	32,00
(C)16hr(+)Ch	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	4	9,03	14	14,00
(C)16hr(+)Ch	SEEL	O15427	Monocarboxylate transporter 4	SLC16A3	2	5,59	10	10,00
(C)16hr(+)Ch	SEEL	P41440	Folate transporter 1	SLC19A1	4	10,66	12	12,00
(C)16hr(+)Ch	SEEL	P43007	Neutral amino acid transporter A	SLC1A4	4	7,14	12	12,00
(C)16hr(+)Ch	Control	Q15758	Neutral amino acid transporter B(0)	SLC1A5	3	6,10	5	5,00
(C)16hr(+)Ch	Control	Q15758	Neutral amino acid transporter B(0)	SLC1A5	7	15,16	24	24,00
(C)16hr(+)Ch	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	5	11,65	19	19,00
(C)16hr(+)Ch	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	9	21,81	47	47,00
(C)16hr(+)Ch	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	9	21,81	53	53,00
(C)16hr(+)Ch	SEEL	Q15758	Neutral amino acid transporter B(0)	SLC1A5	14	28,10	109	109,00
(C)16hr(+)Ch	Control	O75746	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12	3	4,42	5	5,00
(C)16hr(+)Ch	SEEL	O75746	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12	3	5,60	5	5,00
(C)16hr(+)Ch	Control	Q9UJS0	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13	12	20,00	47	47,00
(C)16hr(+)Ch	SEEL	Q9UJS0	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13	13	22,96	43	43,00
(C)16hr(+)Ch	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	6	12,98	33	33,00
(C)16hr(+)Ch	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	7	16,30	41	41,00
(C)16hr(+)Ch	SEEL	Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	5	11,05	20	20,00
(C)16hr(+)Ch	Control	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	6	6,00
(C)16hr(+)Ch	Control	P05141	ADP/ATP translocase 2	SLC25A5	2	8,05	3	3,00
(C)16hr(+)Ch	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	18	18,00
(C)16hr(+)Ch	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	21	21,00
(C)16hr(+)Ch	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	15	15,00
(C)16hr(+)Ch	SEEL	P05141	ADP/ATP translocase 2	SLC25A5	3	11,41	12	12,00
(C)16hr(+)Ch	Control	P12236	ADP/ATP translocase 3	SLC25A6	2	8,05	9	9,00
(C)16hr(+)Ch	Control	P12236	ADP/ATP translocase 3	SLC25A6	3	10,74	6	6,00
(C)16hr(+)Ch	SEEL	P12236	ADP/ATP translocase 3	SLC25A6	3	11,07	13	13,00
(C)16hr(+)Ch	SEEL	P12236	ADP/ATP translocase 3	SLC25A6	2	8,05	7	7,00
(C)16hr(+)Ch	SEEL	Q99808	Equilibrative nucleoside transporter 1	SLC29A1	5	12,06	19	19,00
(C)16hr(+)Ch	Control	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	2	6,91	6	6,00
(C)16hr(+)Ch	Control	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	2	6,91	7	7,00
(C)16hr(+)Ch	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	20	20,00
(C)16hr(+)Ch	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	5	12,20	29	29,00
(C)16hr(+)Ch	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	23	23,00
(C)16hr(+)Ch	SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	4	11,99	19	19,00
(C)16hr(+)Ch	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	3	5,44	16	16,00
(C)16hr(+)Ch	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	4	9,48	25	25,00
(C)16hr(+)Ch	SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	3	5,44	17	17,00
(C)16hr(+)Ch	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	4	8,09	11	11,00
(C)16hr(+)Ch	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	13	33,14	64	64,00
(C)16hr(+)Ch	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	7	15,98	25	25,00
(C)16hr(+)Ch	SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	8	19,33	41	41,00
(C)16hr(+)Ch	Control	Q8TB61	Adenosine 3'-phospho 5'-phosphosulfate transporter 1	SLC35B2	3	6,71	8	8,00
(C)16hr(+)Ch	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	4	7,19	24	24,00
(C)16hr(+)Ch	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	7	10,88	49	49,00
(C)16hr(+)Ch	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	7	10,88	45	45,00
(C)16hr(+)Ch	SEEL	Q9H2H9	Sodium-coupled neutral amino acid transporter 1	SLC38A1	6	9,24	30	30,00
(C)16hr(+)Ch	Control	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	3	9,49	5	5,00
(C)16hr(+)Ch	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	3	9,49	16	16,00
(C)16hr(+)Ch	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	6	14,23	48	48,00
(C)16hr(+)Ch	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	5	14,03	37	37,00
(C)16hr(+)Ch	SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	4	10,87	17	17,00
(C)16hr(+)Ch	SEEL	Q9ULF5	Zinc transporter ZIP10	SLC39A10	5	4,33	37	37,00
(C)16hr(+)Ch	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	4	10,98	27	27,00
(C)16hr(+)Ch	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	5	15,45	57	57,00
(C)16hr(+)Ch	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	4	10,98	25	25,00
(C)16hr(+)Ch	SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	3	9,15	14	14,00
(C)16hr(+)Ch	SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	3	5,83	7	7,00
(C)16hr(+)Ch	SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	4	5,83	22	22,00
(C)16hr(+)Ch	SEEL	F5GZS6	4F2 cell-surface antigen heavy chain	SLC3A2	38	51,92	1342	1342,00

(C)16hr(+)Ch	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	6	11,43	15	15,00
(C)16hr(+)Ch	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	11	21,11	28	28,00
(C)16hr(+)Ch	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	19	29,52	99	99,00
(C)16hr(+)Ch	Control	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	19	27,30	87	87,00
(C)16hr(+)Ch	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	21	30,48	218	218,00
(C)16hr(+)Ch	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	25	33,49	494	494,00
(C)16hr(+)Ch	SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	30	40,00	1101	1101,00
(C)16hr(+)Ch	SEEL	Q8N370	Large neutral amino acids transporter small subunit 4	SLC43A2	6	10,37	24	24,00
(C)16hr(+)Ch	SEEL	Q8N370	Large neutral amino acids transporter small subunit 4	SLC43A2	7	11,95	25	25,00
(C)16hr(+)Ch	SEEL	Q8N370	Large neutral amino acids transporter small subunit 4	SLC43A2	3	7,03	7	7,00
(C)16hr(+)Ch	SEEL	A0A024R798	Solute carrier family 44, member 2, isoform CRA_b	SLC44A2	5	7,53	12	12,00
(C)16hr(+)Ch	SEEL	A0A024R798	Solute carrier family 44, member 2, isoform CRA_b	SLC44A2	10	14,63	40	40,00
(C)16hr(+)Ch	SEEL	P04920	Anion exchange protein 2	SLC4A2	33	30,46	224	224,00
(C)16hr(+)Ch	SEEL	P04920	Anion exchange protein 2	SLC4A2	8	7,98	27	27,00
(C)16hr(+)Ch	SEEL	B5M450	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	9	8,26	34	34,00
(C)16hr(+)Ch	SEEL	Q9Y289	Sodium-dependent multivitamin transporter	SLC5A6	4	7,40	10	10,00
(C)16hr(+)Ch	SEEL	P31641	Sodium- and chloride-dependent taurine transporter	SLC6A6	4	7,90	12	12,00
(C)16hr(+)Ch	SEEL	P31641	Sodium- and chloride-dependent taurine transporter	SLC6A6	7	11,94	25	25,00
(C)16hr(+)Ch	SEEL	P31641	Sodium- and chloride-dependent taurine transporter	SLC6A6	8	12,74	37	37,00
(C)16hr(+)Ch	SEEL	P48067	Sodium- and chloride-dependent glycine transporter 1	SLC6A9	4	5,67	14	14,00
(C)16hr(+)Ch	SEEL	P30825	High affinity cationic amino acid transporter 1	SLC7A1	3	4,13	8	8,00
(C)16hr(+)Ch	SEEL	P30825	High affinity cationic amino acid transporter 1	SLC7A1	3	4,13	9	9,00
(C)16hr(+)Ch	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	5	8,18	19	19,00
(C)16hr(+)Ch	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	4	8,18	22	22,00
(C)16hr(+)Ch	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	4	8,18	20	20,00
(C)16hr(+)Ch	SEEL	Q9UPY5	Cystine/glutamate transporter	SLC7A11	3	5,99	12	12,00
(C)16hr(+)Ch	SEEL	P52569	Low affinity cationic amino acid transporter 2	SLC7A2	6	10,33	13	13,00
(C)16hr(+)Ch	Control	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	3	8,09	7	7,00
(C)16hr(+)Ch	Control	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	3	8,09	11	11,00
(C)16hr(+)Ch	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	6	6,90	106	106,00
(C)16hr(+)Ch	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	11	15,78	272	272,00
(C)16hr(+)Ch	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	12	18,74	230	230,00
(C)16hr(+)Ch	SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	9	15,38	206	206,00
(C)16hr(+)Ch	SEEL	Q8MH63	Putative L-type amino acid transporter 1-like protein MLAS	SLC7A5P1	2	21,67	2	2,00
(C)16hr(+)Ch	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	2	3,30	8	8,00
(C)16hr(+)Ch	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	4	10,29	21	21,00
(C)16hr(+)Ch	SEEL	Q92536	Y+L amino acid transporter 2	SLC7A6	5	13,98	15	15,00
(C)16hr(+)Ch	Control	Q14683	Structural maintenance of chromosomes protein 1A	SMC1A	6	4,54	11	11,00
(C)16hr(+)Ch	SEEL	Q14683	Structural maintenance of chromosomes protein 1A	SMC1A	6	4,62	13	13,00
(C)16hr(+)Ch	Control	Q9UQE7	Structural maintenance of chromosomes protein 3	SMC3	11	10,11	20	20,00
(C)16hr(+)Ch	SEEL	Q9UQE7	Structural maintenance of chromosomes protein 3	SMC3	8	6,66	12	12,00
(C)16hr(+)Ch	SEEL	Q9NTJ3	Structural maintenance of chromosomes protein 4	SMC4	2	1,55	4	4,00
(C)16hr(+)Ch	SEEL	Q92485	Acid sphingomyelinase-like phosphodiesterase 3b	SMPDL3B	7	19,56	46	46,00
(C)16hr(+)Ch	Control	Q7KZF4	Staphylococcal nuclease domain-containing protein 1	SND1	3	3,63	9	9,00
(C)16hr(+)Ch	Control	O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	SNRNP200	14	5,85	45	45,00
(C)16hr(+)Ch	SEEL	O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	SNRNP200	8	4,12	11	11,00
(C)16hr(+)Ch	Control	P08621	U1 small nuclear ribonucleoprotein 70 kDa	SNRNP70	5	10,07	14	14,00
(C)16hr(+)Ch	SEEL	Q96PQ0	VPS10 domain-containing receptor SorCS2	SORCS2	15	13,11	51	51,00
(C)16hr(+)Ch	Control	Q13813	Spectrin alpha chain, non-erythrocytic 1	SPTAN1	3	1,13	5	5,00
(C)16hr(+)Ch	Control	Q01082	Spectrin beta chain, non-erythrocytic 1	SPTBN1	6	2,37	9	9,00
(C)16hr(+)Ch	SEEL	Q13501	Sequestosome-1	SQSTM1	4	10,68	14	14,00
(C)16hr(+)Ch	Control	Q96SB4	SRSF protein kinase 1	SRPK1	5	10,23	11	11,00
(C)16hr(+)Ch	Control	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	7	12,06	26	26,00
(C)16hr(+)Ch	Control	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	5	7,08	20	20,00
(C)16hr(+)Ch	SEEL	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	5	7,08	14	14,00
(C)16hr(+)Ch	SEEL	Q8IYB3	Serine/arginine repetitive matrix protein 1	SRRM1	3	5,20	6	6,00
(C)16hr(+)Ch	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	51	23,95	357	357,00
(C)16hr(+)Ch	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	8	4,11	24	24,00
(C)16hr(+)Ch	Control	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	6	2,98	23	23,00
(C)16hr(+)Ch	SEEL	Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	35	14,39	176	176,00
(C)16hr(+)Ch	SEEL	Q658P3	Metalloreductase STEAP3	STEAP3	3	7,17	6	6,00
(C)16hr(+)Ch	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	3	8,28	9	9,00
(C)16hr(+)Ch	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	11	30,28	79	79,00
(C)16hr(+)Ch	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	11	32,03	69	69,00
(C)16hr(+)Ch	SEEL	Q687X5	Metalloreductase STEAP4	STEAP4	10	30,72	58	58,00
(C)16hr(+)Ch	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	5	21,18	22	22,00

(C)16hr(+)Ch	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	5	22,57	22	22,00
(C)16hr(+)Ch	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	5	20,14	15	15,00
(C)16hr(+)Ch	SEEL	P27105	Erythrocyte band 7 integral membrane protein	STOM	4	17,01	15	15,00
(C)16hr(+)Ch	SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	3	5,25	5	5,00
(C)16hr(+)Ch	SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	3	5,25	11	11,00
(C)16hr(+)Ch	SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	3	5,25	6	6,00
(C)16hr(+)Ch	Control	Q8NF91	Nesprin-1	SYNE1	4	0,55	19	19,00
(C)16hr(+)Ch	Control	P49848	Transcription initiation factor TFIID subunit 6	TAF6	2	3,55	6	6,00
(C)16hr(+)Ch	Control	Q969Z0	Protein TBRG4	TBRG4	5	8,40	13	13,00
(C)16hr(+)Ch	SEEL	Q969Z0	Protein TBRG4	TBRG4	4	8,56	8	8,00
(C)16hr(+)Ch	Control	Q13428	Treacle protein	TCOF1	2	2,49	6	6,00
(C)16hr(+)Ch	Control	Q13428	Treacle protein	TCOF1	12	9,14	41	41,00
(C)16hr(+)Ch	Control	Q13428	Treacle protein	TCOF1	6	4,57	10	10,00
(C)16hr(+)Ch	SEEL	Q13428	Treacle protein	TCOF1	2	1,41	4	4,00
(C)16hr(+)Ch	Control	P17987	T-complex protein 1 subunit alpha	TCP1	22	45,32	140	140,00
(C)16hr(+)Ch	SEEL	P17987	T-complex protein 1 subunit alpha	TCP1	4	9,89	7	7,00
(C)16hr(+)Ch	SEEL	P17987	T-complex protein 1 subunit alpha	TCP1	17	34,53	115	115,00
(C)16hr(+)Ch	SEEL	Q9NZ01	Very-long-chain enoyl-CoA reductase	TECR	2	7,14	7	7,00
(C)16hr(+)Ch	SEEL	Q9P273	Teneurin-3	TENM3	19	8,89	48	48,00
(C)16hr(+)Ch	SEEL	Q9P273	Teneurin-3	TENM3	35	17,30	143	143,00
(C)16hr(+)Ch	SEEL	Q9P273	Teneurin-3	TENM3	2	0,78	6	6,00
(C)16hr(+)Ch	SEEL	Q6N022	Teneurin-4	TENM4	3	2,09	6	6,00
(C)16hr(+)Ch	Control	Q92734	Protein TFG	TFG	4	12,00	32	32,00
(C)16hr(+)Ch	SEEL	Q92734	Protein TFG	TFG	4	12,00	19	19,00
(C)16hr(+)Ch	Control	P02786	Transferrin receptor protein 1	TFRC	6	9,08	18	18,00
(C)16hr(+)Ch	Control	P02786	Transferrin receptor protein 1	TFRC	6	9,34	21	21,00
(C)16hr(+)Ch	SEEL	P02786	Transferrin receptor protein 1	TFRC	41	51,97	626	626,00
(C)16hr(+)Ch	SEEL	P02786	Transferrin receptor protein 1	TFRC	48	58,68	1148	1148,00
(C)16hr(+)Ch	SEEL	P02786	Transferrin receptor protein 1	TFRC	53	62,24	1581	1581,00
(C)16hr(+)Ch	SEEL	P02786	Transferrin receptor protein 1	TFRC	36	50,00	632	632,00
(C)16hr(+)Ch	SEEL	P07996	Thrombospondin-1	THBS1	7	7,61	18	18,00
(C)16hr(+)Ch	Control	Q8NI27	THO complex subunit 2	THOC2	7	4,83	16	16,00
(C)16hr(+)Ch	SEEL	Q8NI27	THO complex subunit 2	THOC2	3	2,39	6	6,00
(C)16hr(+)Ch	SEEL	Q24JP5	Transmembrane protein 132A	TMEM132A	6	8,99	15	15,00
(C)16hr(+)Ch	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	7	5,42	17	17,00
(C)16hr(+)Ch	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	50	36,51	336	336,00
(C)16hr(+)Ch	SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	12	9,91	29	29,00
(C)16hr(+)Ch	SEEL	Q9NV96	Cell cycle control protein 50A	TMEM30A	7	19,39	19	19,00
(C)16hr(+)Ch	SEEL	P57088	Transmembrane protein 33	TMEM33	3	17,81	16	16,00
(C)16hr(+)Ch	SEEL	P41273	Tumor necrosis factor ligand superfamily member 9	TNFSF9	4	14,57	8	8,00
(C)16hr(+)Ch	Control	Q96GM8	Target of EGR1 protein 1	TOE1	5	12,55	16	16,00
(C)16hr(+)Ch	SEEL	Q96GM8	Target of EGR1 protein 1	TOE1	2	6,08	4	4,00
(C)16hr(+)Ch	Control	P11387	DNA topoisomerase 1	TOP1	7	8,89	19	19,00
(C)16hr(+)Ch	Control	P11387	DNA topoisomerase 1	TOP1	6	7,71	15	15,00
(C)16hr(+)Ch	Control	P11387	DNA topoisomerase 1	TOP1	35	38,04	370	370,00
(C)16hr(+)Ch	Control	P11387	DNA topoisomerase 1	TOP1	2	3,27	6	6,00
(C)16hr(+)Ch	SEEL	P11387	DNA topoisomerase 1	TOP1	29	34,12	199	199,00
(C)16hr(+)Ch	SEEL	Q13641	Trophoblast glycoprotein	TPBG	6	15,71	22	22,00
(C)16hr(+)Ch	Control	Q12931	Heat shock protein 75 kDa, mitochondrial	TRAP1	11	18,18	36	36,00
(C)16hr(+)Ch	SEEL	Q12931	Heat shock protein 75 kDa, mitochondrial	TRAP1	13	21,59	52	52,00
(C)16hr(+)Ch	Control	Q6FI91	TSPYL protein	TSPYL	5	12,56	12	12,00
(C)16hr(+)Ch	Control	Q9H2G4	Testis-specific Y-encoded-like protein 2	TSPYL2	6	6,78	16	16,00
(C)16hr(+)Ch	SEEL	D3DPG0	Titin, isoform CRA_a	TTN	8	0,31	19	19,00
(C)16hr(+)Ch	Control	Q8WZ42	Titin	TTN	4	0,21	10	10,00
(C)16hr(+)Ch	Control	Q8WZ42	Titin	TTN	10	0,39	35	35,00
(C)16hr(+)Ch	Control	Q8WZ42	Titin	TTN	7	0,38	13	13,00
(C)16hr(+)Ch	Control	Q8WZ42	Titin	TTN	4	0,22	11	11,00
(C)16hr(+)Ch	SEEL	Q8WZ42	Titin	TTN	10	0,41	27	27,00
(C)16hr(+)Ch	SEEL	Q8WZ42	Titin	TTN	9	0,38	24	24,00
(C)16hr(+)Ch	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	3	8,65	5	5,00
(C)16hr(+)Ch	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	6	19,07	17	17,00
(C)16hr(+)Ch	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	4	12,64	13	13,00
(C)16hr(+)Ch	SEEL	P68363	Tubulin alpha-1B chain	TUBA1B	5	17,07	20	20,00
(C)16hr(+)Ch	Control	P26368	Splicing factor U2AF 65 kDa subunit	U2AF2	4	10,11	11	11,00
(C)16hr(+)Ch	SEEL	P26368	Splicing factor U2AF 65 kDa subunit	U2AF2	6	14,74	17	17,00
(C)16hr(+)Ch	Control	P62987	Ubiquitin-60S ribosomal protein L40	UBA52	7	50,00	59	59,00

(C)16hr(+)Ch	Control	P0CG47	Polyubiquitin-B	UBB	4	20,52	20	20,00
(C)16hr(+)Ch	Control	P0CG47	Polyubiquitin-B	UBB	5	23,14	29	29,00
(C)16hr(+)Ch	Control	P0CG47	Polyubiquitin-B	UBB	5	20,52	20	20,00
(C)16hr(+)Ch	SEEL	P0CG47	Polyubiquitin-B	UBB	6	23,14	162	162,00
(C)16hr(+)Ch	SEEL	P0CG47	Polyubiquitin-B	UBB	6	23,14	251	251,00
(C)16hr(+)Ch	SEEL	P0CG47	Polyubiquitin-B	UBB	5	20,52	163	163,00
(C)16hr(+)Ch	SEEL	Q9UFQ0	Putative uncharacterized protein DKFZp434K0435 (Fragment)	UBC	6	23,01	253	253,00
(C)16hr(+)Ch	SEEL	Q5T4S7	E3 ubiquitin-protein ligase UBR4	UBR4	5	1,06	8	8,00
(C)16hr(+)Ch	SEEL	O60701	UDP-glucose 6-dehydrogenase	UGDH	3	6,68	5	5,00
(C)16hr(+)Ch	Control	Q92900	Regulator of nonsense transcripts 1	UPF1	8	7,53	16	16,00
(C)16hr(+)Ch	Control	Q92900	Regulator of nonsense transcripts 1	UPF1	10	10,54	18	18,00
(C)16hr(+)Ch	Control	Q8TAA9	Vang-like protein 1	VANGL1	17	37,02	135	135,00
(C)16hr(+)Ch	SEEL	Q8TAA9	Vang-like protein 1	VANGL1	10	25,38	43	43,00
(C)16hr(+)Ch	Control	P26640	Valine--tRNA ligase	VARS	2	1,74	4	4,00
(C)16hr(+)Ch	SEEL	Q6EMK4	Vasorin	VASN	13	22,59	61	61,00
(C)16hr(+)Ch	Control	P08670	Vimentin	VIM	5	11,59	17	17,00
(C)16hr(+)Ch	SEEL	P08670	Vimentin	VIM	21	43,35	130	130,00
(C)16hr(+)Ch	SEEL	P04004	Vitronectin	VTN	4	6,90	24	24,00
(C)16hr(+)Ch	Control	O14980	Exportin-1	XPO1	8	7,38	16	16,00
(C)16hr(+)Ch	SEEL	O14980	Exportin-1	XPO1	11	13,26	25	25,00
(C)16hr(+)Ch	SEEL	Q9UBH6	Xenotropic and polytropic retrovirus receptor 1	XPR1	6	9,05	13	13,00
(C)16hr(+)Ch	SEEL	P54577	Tyrosine--tRNA ligase, cytoplasmic	YARS	4	7,77	10	10,00

Table S8. Proteins detected by SEEL and cell surface biotinylation.

Labeling	UniProt Accession	Protein	Gene	Cell Surface Proteins	Total Peptides	Total Spectra			
						Biotin	ST3Gal1	ST6Gal1	ST6Gal1&ST3Gal1
SEEL	Q6UVK1	Chondroitin sulfate proteoglycan 4	CSPG4	Cell surface protein	241	0	159	318	315
SEEL	Q5ZPR3	CD276 antigen	CD276	Cell surface protein	51	0	22	205	202
SEEL	Q9P273	Teneurin-3	TENM3	Cell surface protein	141	0	17	162	130
SEEL	O15230	Laminin subunit alpha-5	LAMA5	Cell surface protein	129	0	67	131	103
SEEL	Q9BY67	Cell adhesion molecule 1	CADM1	Cell surface protein	68	0	43	128	136
SEEL	Q14118	Dystroglycan	DAG1	Cell surface protein	57	0	61	128	118
SEEL	O00468	Agrin	AGRN	Cell surface protein	107	0	68	108	107
SEEL	Q7Z5N4	Protein sidekick-1	SDK1	Cell surface protein	82	0	0	105	92
SEEL	Q8IWT6	Volume-regulated anion channel subunit LRRC8A	LRRC8A	Cell surface protein	112	0	47	101	85
SEEL	Q58EX2	Protein sidekick-2	SDK2	Cell surface protein	68	0	0	97	105
SEEL	P18433	Receptor-type tyrosine-protein phosphatase alpha	PTPRA	Cell surface protein	114	0	137	91	89
SEEL	Q93050	V-type proton ATPase 116 kDa subunit a isoform 1	ATP6V0A1	Cell surface protein	65	0	7	90	59
SEEL	Q12913	Receptor-type tyrosine-protein phosphatase eta	PTPRJ	Cell surface protein	94	0	74	90	79
SEEL	P18084	Integrin beta-5	ITGB5	Cell surface protein	68	0	0	86	75
SEEL	P23470	Receptor-type tyrosine-protein phosphatase gamma	PTPRG	Cell surface protein	118	0	111	84	110
SEEL	Q9HCM3	UPF0606 protein KIAA1549	KIAA1549	Cell surface protein	83	0	68	83	79
SEEL	Q14517	Protocadherin Fat 1	FAT1	Cell surface protein	98	0	3	82	107
SEEL	P42892	Endothelin-converting enzyme 1	ECE1	Cell surface protein	53	0	5	80	84
SEEL	Q8TDW0	Volume-regulated anion channel subunit LRRC8C	LRRC8C	Cell surface protein	88	0	42	78	58
SEEL	P08183	Multidrug resistance protein 1	ABCB1	Cell surface protein	75	0	4	75	64
SEEL	P33527	Multidrug resistance-associated protein 1	ABCC1	Cell surface protein	60	0	0	74	44
SEEL	P98164	Low-density lipoprotein receptor-related protein 2	LRP2	Cell surface protein	78	0	11	72	75
SEEL	P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	Cell surface protein	44	0	0	72	56
SEEL	Q9Y4D7	Plexin-D1	PLXND1	Cell surface protein	57	0	0	71	54
SEEL	Q9UHN6	Transmembrane protein 2	TMEM2	Cell surface protein	59	0	0	67	69
SEEL	O75882	Attractin	ATRN	Cell surface protein	58	0	0	63	73
SEEL	P56199	Integrin alpha-1	ITGA1	Cell surface protein	58	0	0	63	81
SEEL	Q9Y666	Solute carrier family 12 member 7	SLC12A7	Cell surface protein	48	0	0	63	56
SEEL	P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	Cell surface protein	27	0	0	62	52
SEEL	Q01973	Tyrosine-protein kinase transmembrane receptor ROR1	ROR1	Cell surface protein	57	0	68	61	79

SEEL	Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	Cell surface protein	35	0	0	61	57
SEEL	Q5SZK8	FRAS1-related extracellular matrix protein 2	FREM2	Cell surface protein	60	0	3	60	52
SEEL	P25391	Laminin subunit alpha-1	LAMA1	Cell surface protein	81	0	23	59	64
SEEL	Q96J84	Kin of IRRE-like protein 1	KIRREL	Cell surface protein	43	0	5	57	46
SEEL	P15151	Poliovirus receptor	PVR	Cell surface protein	19	0	0	57	59
SEEL	P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1	CACNA2D1	Cell surface protein	66	0	10	56	87
SEEL	Q13683	Integrin alpha-7	ITGA7	Cell surface protein	45	0	0	56	41
SEEL	Q9C0B5	Palmitoyltransferase ZDHHC5	ZDHHC5	Cell surface protein	42	0	0	56	39
SEEL	A4D1S0	Killer cell lectin-like receptor subfamily G member 2	KLRG2	Cell surface protein	43	0	7	55	68
SEEL	O00592	Podocalyxin	PODXL	Cell surface protein	57	0	88	55	96
SEEL	Q8NE01	Metal transporter CNNM3	CNNM3	Cell surface protein	42	0	0	55	57
SEEL	P04626	Receptor tyrosine-protein kinase erbB-2	ERBB2	Cell surface protein	36	0	0	55	42
SEEL	Q5KU26	Collectin-12	COLEC12	Cell surface protein	54	0	11	53	65
SEEL	Q6P4Q7	Metal transporter CNNM4	CNNM4	Cell surface protein	54	0	0	53	46
SEEL	Q8IWA5	Choline transporter-like protein 2	SLC44A2	Cell surface protein	43	0	0	53	48
SEEL	P50895	Basal cell adhesion molecule	BCAM	Cell surface protein	39	0	6	50	34
SEEL	Q92673	Sortilin-related receptor	SORL1	Cell surface protein	55	0	9	49	45
SEEL	Q92542	Nicastrin	NCSTN	Cell surface protein	21	0	0	49	61
SEEL	Q9Y6N7	Roundabout homolog 1	ROBO1	Cell surface protein	34	0	0	49	37
SEEL	P15529	Membrane cofactor protein	CD46	Cell surface protein	24	0	5	48	51
SEEL	P16070	CD44 antigen	CD44	Cell surface protein	48	0	39	47	62
SEEL	Q9Y639	Neuroplastin	NPTN	Cell surface protein	23	0	0	47	50
SEEL	O60279	Sushi domain-containing protein 5	SUSD5	Cell surface protein	50	0	74	43	59
SEEL	Q8NB49	Phospholipid-transporting ATPase IG	ATP11C	Cell surface protein	35	0	0	42	29
SEEL	Q99523	Sortilin	SORT1	Cell surface protein	43	0	0	41	56
SEEL	Q9HCU4	Cadherin EGF LAG seven-pass G-type receptor 2	CELSR2	Cell surface protein	44	0	0	40	42
SEEL	A8MVW0	Protein FAM171A2	FAM171A2	Cell surface protein	30	0	0	37	40
SEEL	Q68D85	Natural cytotoxicity triggering receptor 3 ligand 1	NCR3LG1	Cell surface protein	28	0	0	37	45
SEEL	Q9Y6M5	Zinc transporter 1	SLC30A1	Cell surface protein	32	0	0	37	35
SEEL	Q99808	Equilibrative nucleoside transporter 1	SLC29A1	Cell surface protein	34	0	8	36	43
SEEL	Q6YHK3	CD109 antigen	CD109	Cell surface protein	39	0	0	36	40
SEEL	P78324	Tyrosine-protein phosphatase non-receptor type substrate 1	SIRPA	Cell surface protein	24	0	0	36	26
SEEL	P04920	Anion exchange protein 2	SLC4A2	Cell surface protein	27	0	0	36	26

SEEL	Q13797	Integrin alpha-9	ITGA9	Cell surface protein	34	0	0	35	42
SEEL	Q5VU97	VWFA and cache domain-containing protein 1	CACHD1	Cell surface protein	24	0	0	34	23
SEEL	P26006	Integrin alpha-3	ITGA3	Cell surface protein	23	0	0	34	36
SEEL	P16144	Integrin beta-4	ITGB4	Cell surface protein	41	0	0	34	38
SEEL	Q9C0C4	Semaphorin-4C	SEMA4C	Cell surface protein	35	0	0	32	34
SEEL	Q9P244	Leucine-rich repeat and fibronectin type III domain-containing protein 1	LRFN1	Cell surface protein	32	0	10	31	27
SEEL	O15439	Multidrug resistance-associated protein 4	ABCC4	Cell surface protein	29	0	0	31	17
SEEL	Q9NYQ6	Cadherin EGF LAG seven-pass G-type receptor 1	CELSR1	Cell surface protein	34	0	0	31	34
SEEL	Q5VUB5	Protein FAM171A1	FAM171A1	Cell surface protein	24	0	0	31	24
SEEL	Q9UMF0	Intercellular adhesion molecule 5	ICAM5	Cell surface protein	29	0	0	31	33
SEEL	Q9NQS3	Nectin-3	PVRL3	Cell surface protein	33	0	29	30	29
SEEL	Q9Y6R1	Electrogenic sodium bicarbonate cotransporter 1	SLC4A4	Cell surface protein	24	0	9	30	14
SEEL	Q6NSJ5	Volume-regulated anion channel subunit LRRC8E	LRRC8E	Cell surface protein	42	0	11	29	30
SEEL	Q9HC56	Protocadherin-9	PCDH9	Cell surface protein	31	0	0	29	29
SEEL	O60503	Adenylate cyclase type 9	ADCY9	Cell surface protein	25	0	0	28	20
SEEL	P35052	Glypican-1	GPC1	Cell surface protein	18	0	0	28	12
SEEL	P61073	C-X-C chemokine receptor type 4	CXCR4	Cell surface protein	24	0	7	27	26
SEEL	O43157	Plexin-B1	PLXNB1	Cell surface protein	61	0	51	27	38
SEEL	Q9ULI3	Protein HEG homolog 1	HEG1	Cell surface protein	30	0	26	26	21
SEEL	B3KNK2	cDNA FLJ14770 fis, clone NT2RP3004207, highly similar to Homo sapiens seizure related 6 homolog (mouse)-like 2 (SEZ6L2), transcript variant 1, mRNA	SEZ6L2	Cell surface protein	33	0	42	26	32
SEEL	Q9Y289	Sodium-dependent multivitamin transporter	SLC5A6	Cell surface protein	34	0	18	26	32
SEEL	Q8NFZ8	Cell adhesion molecule 4	CADM4	Cell surface protein	21	0	0	26	29
SEEL	Q06418	Tyrosine-protein kinase receptor TYRO3	TYRO3	Cell surface protein	21	0	0	26	24
SEEL	B3KW93	cDNA FLJ42590 fis, clone BRACE3009708, highly similar to Sodium/potassium-transporting ATPase alpha-2chain (EC 3.6.3.9)	ATP1A2	Cell surface protein	12	0	0	25	19
SEEL	Q08722	Leukocyte surface antigen CD47	CD47	Cell surface protein	20	0	0	25	33
SEEL	Q9NZ53	Podocalyxin-like protein 2	PODXL2	Cell surface protein	50	0	61	24	50
SEEL	Q6PCB8	Embigin	EMB	Cell surface protein	23	0	8	23	23
SEEL	Q9HAR2	Latrophilin-3	LPHN3	Cell surface protein	41	0	38	22	29
SEEL	Q14114	Low-density lipoprotein receptor-related protein 8	LRP8	Cell surface protein	35	0	30	22	34
SEEL	Q13641	Trophoblast glycoprotein	TPBG	Cell surface protein	29	0	25	22	29
SEEL	P43007	Neutral amino acid transporter A	SLC1A4	Cell surface protein	23	0	0	22	19

SEEL	Q02487	Desmocollin-2	DSC2	Cell surface protein	24	0	0	21	23
SEEL	Q96PD2	Discoidin, CUB and LCCL domain-containing protein 2	DCBLD2	Cell surface protein	24	0	5	20	26
SEEL	Q7L1W4	Volume-regulated anion channel subunit LRRC8D	LRRC8D	Cell surface protein	59	0	74	20	20
SEEL	Q6UX71	Plexin domain-containing protein 2	PLXDC2	Cell surface protein	22	0	6	20	29
SEEL	Q9H0X4	Protein ITFG3	ITFG3	Cell surface protein	16	0	0	20	15
SEEL	Q16363	Laminin subunit alpha-4	LAMA4	Cell surface protein	18	0	0	20	15
SEEL	Q7Z7M0	Multiple epidermal growth factor-like domains protein 8	MEGF8	Cell surface protein	23	0	0	20	16
SEEL	O75096	Low-density lipoprotein receptor-related protein 4	LRP4	Cell surface protein	22	0	4	19	17
SEEL	P48960	CD97 antigen	CD97	Cell surface protein	14	0	0	19	8
SEEL	Q8TAB3	Protocadherin-19	PCDH19	Cell surface protein	16	0	0	19	15
SEEL	P48029	Sodium- and chloride-dependent creatine transporter 1	SLC6A8	Cell surface protein	17	0	0	19	20
SEEL	Q8N8Z6	Discoidin, CUB and LCCL domain-containing protein 1	DCBLD1	Cell surface protein	21	0	0	18	19
SEEL	Q8TDY8	Immunoglobulin superfamily DCC subclass member 4	IGDCC4	Cell surface protein	19	0	0	18	22
SEEL	Q13449	Limbic system-associated membrane protein	LSAMP	Cell surface protein	10	0	0	18	13
SEEL	P55082	Microfibril-associated glycoprotein 3	MFAP3	Cell surface protein	12	0	0	18	16
SEEL	Q12866	Tyrosine-protein kinase Mer	MERTK	Cell surface protein	35	0	50	17	30
SEEL	Q9H8M5	Metal transporter CNNM2	CNNM2	Cell surface protein	18	0	0	17	16
SEEL	Q8IWK6	Probable G-protein coupled receptor 125	GPR125	Cell surface protein	12	0	0	17	9
SEEL	Q9P2E7	Protocadherin-10	PCDH10	Cell surface protein	16	0	5	16	7
SEEL	Q86XX4	Extracellular matrix protein FRAS1	FRAS1	Cell surface protein	21	0	0	16	18
SEEL	P19440	Gamma-glutamyltranspeptidase 1	GGT1	Cell surface protein	19	0	0	16	19
SEEL	A0A024RBS4	Scavenger receptor class B, member 1, isoform CRA_b	SCARB1	Cell surface protein	11	0	0	16	14
SEEL	Q9H2J7	Sodium-dependent neutral amino acid transporter B(0)AT2	SLC6A15	Cell surface protein	12	0	0	16	3
SEEL	O94910	Latrophilin-1	LPHN1	Cell surface protein	30	0	25	15	17
SEEL	Q13444	Disintegrin and metalloproteinase domain-containing protein 15	ADAM15	Cell surface protein	13	0	0	15	17
SEEL	P78310	Coxsackievirus and adenovirus receptor	CXADR	Cell surface protein	12	0	0	15	12
SEEL	Q15303	Receptor tyrosine-protein kinase erbB-4	ERBB4	Cell surface protein	19	0	0	15	16
SEEL	Q9Y5Y0	Feline leukemia virus subgroup C receptor-related protein 1	FLVCR1	Cell surface protein	11	0	0	15	14
SEEL	P23458	Tyrosine-protein kinase JAK1	JAK1	Cell surface protein	13	0	0	15	9
SEEL	Q9UPN3	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5	MACF1	Cell surface protein	16	0	0	15	9
SEEL	P22102	Trifunctional purine biosynthetic protein adenosine-3	GART	Cell surface protein	34	0	32	14	20
SEEL	Q9BTN0	Leucine-rich repeat and fibronectin type-III domain-containing protein 3	LRFN3	Cell surface protein	15	0	4	14	13
SEEL	Q9BZR6	Reticulon-4 receptor	RTN4R	Cell surface protein	19	0	17	14	14

SEEL	Q9Y2G3	Probable phospholipid-transporting ATPase IF	ATP11B	Cell surface protein	17	0	0	14	12
SEEL	Q8N6C5	Immunoglobulin superfamily member 1	IGSF1	Cell surface protein	12	0	0	14	10
SEEL	Q15043	Zinc transporter ZIP14	SLC39A14	Cell surface protein	13	0	0	14	16
SEEL	A0A024R884	Tenascin C (Hexabrachion), isoform CRA_a	TNC	Cell surface protein	11	0	0	14	7
SEEL	Q08345	Epithelial discoidin domain-containing receptor 1	DDR1	Cell surface protein	26	0	19	13	15
SEEL	O43155	Leucine-rich repeat transmembrane protein FLRT2	FLRT2	Cell surface protein	27	0	25	13	18
SEEL	P05106	Integrin beta-3	ITGB3	Cell surface protein	16	0	0	13	14
SEEL	P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	Cell surface protein	11	0	0	13	8
SEEL	P30825	High affinity cationic amino acid transporter 1	SLC7A1	Cell surface protein	11	0	0	13	6
SEEL	Q92485	Acid sphingomyelinase-like phosphodiesterase 3b	SMPDL3B	Cell surface protein	9	0	0	13	9
SEEL	Q4KMG0	Cell adhesion molecule-related/down-regulated by oncogenes	CDON	Cell surface protein	17	0	9	12	15
SEEL	P08138	Tumor necrosis factor receptor superfamily member 16	NGFR	Cell surface protein	30	0	40	12	39
SEEL	Q8N2Q7	Neuroligin-1	NLGN1	Cell surface protein	13	0	6	12	13
SEEL	Q6EMK4	Vasorin	VASN	Cell surface protein	20	0	19	12	13
SEEL	Q9H6X2	Anthrax toxin receptor 1	ANTXR1	Cell surface protein	10	0	0	12	3
SEEL	Q04656	Copper-transporting ATPase 1	ATP7A	Cell surface protein	10	0	0	12	7
SEEL	P12830	Cadherin-1	CDH1	Cell surface protein	12	0	0	12	9
SEEL	Q9H6A9	Pecanex-like protein 3	PCNXL3	Cell surface protein	10	0	0	12	3
SEEL	P41440	Folate transporter 1	SLC19A1	Cell surface protein	11	0	0	12	12
SEEL	Q03167	Transforming growth factor beta receptor type 3	TGFBR3	Cell surface protein	9	0	0	12	4
SEEL	Q9NV96	Cell cycle control protein 50A	TMEM30A	Cell surface protein	10	0	0	12	14
SEEL	Q9Y624	Junctional adhesion molecule A	F11R	Cell surface protein	5	0	0	12	0
SEEL	Q6P9F7	Volume-regulated anion channel subunit LRRC8B	LRRC8B	Cell surface protein	27	0	9	11	24
SEEL	B5M450	Solute carrier family 4 sodium bicarbonate cotransporter member 7	SLC4A7	Cell surface protein	21	0	3	11	30
SEEL	P98155	Very low-density lipoprotein receptor	VLDLR	Cell surface protein	17	0	9	11	8
SEEL	O14672	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10	Cell surface protein	12	0	0	11	11
SEEL	P54764	Ephrin type-A receptor 4	EPHA4	Cell surface protein	10	0	0	11	5
SEEL	P13612	Integrin alpha-4	ITGA4	Cell surface protein	23	0	0	11	34
SEEL	P78504	Protein jagged-1	JAG1	Cell surface protein	13	0	0	11	12
SEEL	O43278	Kunitz-type protease inhibitor 1	SPINT1	Cell surface protein	12	0	0	11	13
SEEL	O95297	Myelin protein zero-like protein 1	MPZL1	Cell surface protein	3	0	0	11	0
SEEL	P13637	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3	Cell surface protein	8	0	0	10	3
SEEL	P48509	CD151 antigen	CD151	Cell surface protein	8	0	0	10	8

SEEL	Q14574	Desmocollin-3	DSC3	Cell surface protein	17	0	0	10	17
SEEL	Q63HQ2	Pikachurin	EGFLAM	Cell surface protein	11	0	0	10	11
SEEL	B7Z613	Neuronal membrane glycoprotein M6-b	GPM6B	Cell surface protein	7	0	0	10	6
SEEL	Q9NPH3	Interleukin-1 receptor accessory protein	IL1RAP	Cell surface protein	16	0	0	10	11
SEEL	O75581	Low-density lipoprotein receptor-related protein 6	LRP6	Cell surface protein	20	0	0	10	26
SEEL	Q8TD43	Transient receptor potential cation channel subfamily M member 4	TRPM4	Cell surface protein	11	0	0	10	4
SEEL	Q9NZU0	Leucine-rich repeat transmembrane protein FLRT3	FLRT3	Cell surface protein	19	0	5	9	17
SEEL	Q14766	Latent-transforming growth factor beta-binding protein 1	LTBP1	Cell surface protein	10	0	6	9	4
SEEL	Q13740	CD166 antigen	ALCAM	Cell surface protein	5	0	0	9	6
SEEL	P20023	Complement receptor type 2	CR2	Cell surface protein	11	0	0	9	11
SEEL	O94898	Leucine-rich repeats and immunoglobulin-like domains protein 2	LRIG2	Cell surface protein	13	0	0	9	10
SEEL	Q9HCM2	Plexin-A4	PLXNA4	Cell surface protein	7	0	0	9	6
SEEL	Q2VWP7	Protogenin	PRTG	Cell surface protein	10	0	0	9	8
SEEL	Q96QD8	Sodium-coupled neutral amino acid transporter 2	SLC38A2	Cell surface protein	10	0	0	9	7
SEEL	P19634	Sodium/hydrogen exchanger 1	SLC9A1	Cell surface protein	18	0	9	8	18
SEEL	O43306	Adenylate cyclase type 6	ADCY6	Cell surface protein	10	0	0	8	8
SEEL	O43854	EGF-like repeat and discoidin I-like domain-containing protein 3	EDIL3	Cell surface protein	8	0	0	8	4
SEEL	P15260	Interferon gamma receptor 1	IFNGR1	Cell surface protein	10	0	0	8	7
SEEL	P10721	Mast/stem cell growth factor receptor Kit	KIT	Cell surface protein	10	0	0	8	11
SEEL	O14917	Protocadherin-17	PCDH17	Cell surface protein	11	0	0	8	12
SEEL	Q9UN70	Protocadherin gamma-C3	PCDHGC3	Cell surface protein	9	0	0	8	8
SEEL	Q92729	Receptor-type tyrosine-protein phosphatase U	PTPRU	Cell surface protein	7	0	0	8	4
SEEL	Q8WY21	VPS10 domain-containing receptor SorCS1	SORCS1	Cell surface protein	13	0	0	8	15
SEEL	Q6V0I7	Protocadherin Fat 4	FAT4	Cell surface protein	4	0	0	8	0
SEEL	P02751	Fibronectin	FN1	Cell surface protein	6	0	0	8	0
SEEL	P01892	HLA class I histocompatibility antigen, A-2 alpha chain	HLA-A	Cell surface protein	4	0	0	8	0
SEEL	Q9BX67	Junctional adhesion molecule C	JAM3	Cell surface protein	3	0	0	8	0
SEEL	P21802	Fibroblast growth factor receptor 2	FGFR2	Cell surface protein	16	0	11	7	10
SEEL	Q5FWE3	Proline-rich transmembrane protein 3	PRRT3	Cell surface protein	30	0	34	7	28
SEEL	Q9P0K1	Disintegrin and metalloproteinase domain-containing protein 22	ADAM22	Cell surface protein	10	0	0	7	8
SEEL	Q13873	Bone morphogenetic protein receptor type-2	BMPR2	Cell surface protein	8	0	0	7	7
SEEL	Q6UXM1	Leucine-rich repeats and immunoglobulin-like domains protein 3	LRIG3	Cell surface protein	9	0	0	7	7

SEEL	Q99569	Plakophilin-4	PKP4	Cell surface protein	6	0	0	7	4
SEEL	O60486	Plexin-C1	PLXNC1	Cell surface protein	11	0	0	7	9
SEEL	Q08431	Lactadherin	MFGE8	Cell surface protein	4	0	0	7	0
SEEL	O43405	Cochlin	COCH	Cell surface protein	8	0	4	6	5
SEEL	A8K385	cDNA FLJ77978, highly similar to Homo sapiens unc-5 homolog C (C. elegans) (UNC5C), mRNA	UNC5C	Cell surface protein	14	0	8	6	8
SEEL	P19256	Lymphocyte function-associated antigen 3	CD58	Cell surface protein	4	0	0	6	6
SEEL	P15586	N-acetylglucosamine-6-sulfatase	GNS	Cell surface protein	10	0	0	6	9
SEEL	Q86SQ4	G-protein coupled receptor 126	GPR126	Cell surface protein	7	0	0	6	6
SEEL	Q9BXB1	Leucine-rich repeat-containing G-protein coupled receptor 4	LGR4	Cell surface protein	9	0	0	6	13
SEEL	E0AG58	MHC class I chain-related protein B (Fragment)	MICB	Cell surface protein	8	0	0	6	6
SEEL	Q9UHW9	Solute carrier family 12 member 6	SLC12A6	Cell surface protein	5	0	0	6	4
SEEL	Q8WWZ7	ATP-binding cassette sub-family A member 5	ABCA5	Cell surface protein	3	0	0	6	0
SEEL	Q99715	Collagen alpha-1(XII) chain	COL12A1	Cell surface protein	4	0	0	6	0
SEEL	Q9Y6X5	Bis(5'-adenosyl)-triphosphatase ENPP4	ENPP4	Cell surface protein	4	0	0	6	0
SEEL	Q8TDW7	Protocadherin Fat 3	FAT3	Cell surface protein	4	0	0	6	0
SEEL	P51654	Glypican-3	GPC3	Cell surface protein	2	0	0	6	0
SEEL	Q99959	Plakophilin-2	PKP2	Cell surface protein	2	0	0	6	0
SEEL	Q9UP95	Solute carrier family 12 member 4	SLC12A4	Cell surface protein	4	0	0	6	0
SEEL	Q4LDE5	Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1	SVEP1	Cell surface protein	4	0	0	6	0
SEEL	P22105	Tenascin-X	TNXB	Cell surface protein	4	0	0	6	0
SEEL	Q9UBN6	Tumor necrosis factor receptor superfamily member 10D	TNFRSF10D	Cell surface protein	6	0	4	5	0
SEEL	Q8N350	Protein Dos	DOS	Cell surface protein	12	0	4	5	13
SEEL	P78348	Acid-sensing ion channel 1	ASIC1	Cell surface protein	6	0	0	5	6
SEEL	Q9UNN8	Endothelial protein C receptor	PROCR	Cell surface protein	6	0	0	5	6
SEEL	Q8N370	Large neutral amino acids transporter small subunit 4	SLC43A2	Cell surface protein	8	0	0	5	9
SEEL	O60266	Adenylate cyclase type 3	ADCY3	Cell surface protein	3	0	0	5	0
SEEL	P40189	Interleukin-6 receptor subunit beta	IL6ST	Cell surface protein	3	0	0	5	0
SEEL	Q9ULH0	Kinase D-interacting substrate of 220 kDa	KIDINS220	Cell surface protein	4	0	0	5	0
SEEL	O60779	Thiamine transporter 1	SLC19A2	Cell surface protein	2	0	0	5	0
SEEL	Q86X29	Lipolysis-stimulated lipoprotein receptor	LSR	Cell surface protein	7	0	2	4	5
SEEL	P11362	Fibroblast growth factor receptor 1	FGFR1	Cell surface protein	6	0	0	4	5
SEEL	O75084	Frizzled-7	FZD7	Cell surface protein	4	0	0	4	4

SEEL	Q8TB96	T-cell immunomodulatory protein	ITFG1	Cell surface protein	5	0	0	4	7
SEEL	A8K122	KIAA1946, isoform CRA_b	KIAA1946	Cell surface protein	6	0	0	4	5
SEEL	P32004	Neural cell adhesion molecule L1	L1CAM	Cell surface protein	10	0	0	4	12
SEEL	P51805	Plexin-A3	PLXNA3	Cell surface protein	7	0	0	4	8
SEEL	O15440	Multidrug resistance-associated protein 5	ABCC5	Cell surface protein	3	0	0	4	0
SEEL	Q8TE59	A disintegrin and metalloproteinase with thrombospondin motifs 19	ADAMTS19	Cell surface protein	3	0	0	4	0
SEEL	P54756	Ephrin type-A receptor 5	EPHA5	Cell surface protein	3	0	0	4	0
SEEL	Q08334	Interleukin-10 receptor subunit beta	IL10RB	Cell surface protein	2	0	0	4	0
SEEL	Q14108	Lysosome membrane protein 2	SCARB2	Cell surface protein	3	0	0	4	0
SEEL	Q8WUM9	Sodium-dependent phosphate transporter 1	SLC20A1	Cell surface protein	2	0	0	4	0
SEEL	Q9BX79	Stimulated by retinoic acid gene 6 protein homolog	STRA6	Cell surface protein	4	0	3	3	0
SEEL	P27487	Dipeptidyl peptidase 4	DPP4	Cell surface protein	4	0	0	3	4
SEEL	Q6NSJ0	Uncharacterized family 31 glucosidase KIAA1161	KIAA1161	Cell surface protein	9	0	0	3	10
SEEL	Q8WWI5	Choline transporter-like protein 1	SLC44A1	Cell surface protein	6	0	0	3	7
SEEL	Q6N022	Teneurin-4	TENM4	Cell surface protein	5	0	0	3	3
SEEL	P17181	Interferon alpha/beta receptor 1	IFNAR1	Cell surface protein	3	0	0	3	0
SEEL	O75121	Microfibrillar-associated protein 3-like	MFAP3L	Cell surface protein	2	0	0	3	0
SEEL	Q6ZSS7	Major facilitator superfamily domain-containing protein 6	MFSD6	Cell surface protein	2	0	0	3	0
SEEL	Q9Y5H2	Protocadherin gamma-A11	PCDHGA11	Cell surface protein	2	0	0	3	0
SEEL	Q15223	Nectin-1	PVRL1	Cell surface protein	2	0	0	3	0
SEEL	Q9UIG8	Solute carrier organic anion transporter family member 3A1	SLCO3A1	Cell surface protein	2	0	0	3	0
SEEL	O43657	Tetraspanin-6	TSPAN6	Cell surface protein	2	0	0	3	0
SEEL	P13611	Versican core protein	VCAN	Cell surface protein	11	0	9	2	6
SEEL	O14786	Neuropilin-1	NRP1	Cell surface protein	5	0	0	2	5
SEEL	P43003	Excitatory amino acid transporter 1	SLC1A3	Cell surface protein	4	0	0	2	3
SEEL	Q9H7F0	Probable cation-transporting ATPase 13A3	ATP13A3	Cell surface protein	2	0	0	2	0
SEEL	P48066	Sodium- and chloride-dependent GABA transporter 3	SLC6A11	Cell surface protein	2	0	0	2	0
SEEL	Q6ZQN7	Solute carrier organic anion transporter family member 4C1	SLCO4C1	Cell surface protein	2	0	0	2	0
SEEL	Q9NPF0	CD320 antigen	CD320	Cell surface protein	8	0	13	0	14
SEEL	P08174	Complement decay-accelerating factor	CD55	Cell surface protein	9	0	9	0	14
SEEL	P0C7U0	Protein ELFN1	ELFN1	Cell surface protein	10	0	12	0	3
SEEL	P18827	Syndecan-1	SDC1	Cell surface protein	9	0	16	0	18
SEEL	O75056	Syndecan-3	SDC3	Cell surface protein	4	0	5	0	4

SEEL	Q92854	Semaphorin-4D	SEMA4D	Cell surface protein	20	0	21	0	18
SEEL	O94933	SLIT and NTRK-like protein 3	SLITRK3	Cell surface protein	14	0	14	0	9
SEEL	Q6NUS6	Tectonic-3	TCTN3	Cell surface protein	5	0	5	0	2
SEEL	Q9BZC7	ATP-binding cassette sub-family A member 2	ABCA2	Cell surface protein	2	0	3	0	0
SEEL	Q9P0X4	Voltage-dependent T-type calcium channel subunit alpha-1I	CACNA1I	Cell surface protein	3	0	4	0	0
SEEL	Q8TCZ2	CD99 antigen-like protein 2	CD99L2	Cell surface protein	2	0	3	0	0
SEEL	O95196	Chondroitin sulfate proteoglycan 5	CSPG5	Cell surface protein	4	0	15	0	0
SEEL	R9WAE9	DIET1	DIET1	Cell surface protein	2	0	3	0	0
SEEL	O14490	Disks large-associated protein 1	DLGAP1	Cell surface protein	2	0	3	0	0
SEEL	Q8IZP9	G-protein coupled receptor 64	GPR64	Cell surface protein	2	0	3	0	0
SEEL	Q9Y450	HBS1-like protein	HBS1L	Cell surface protein	2	0	3	0	0
SEEL	O00522	Krev interaction trapped protein 1	KRIT1	Cell surface protein	3	0	5	0	0
SEEL	Q16787	Laminin subunit alpha-3	LAMA3	Cell surface protein	2	0	3	0	0
SEEL	Q9H1U4	Multiple epidermal growth factor-like domains protein 9	MEGF9	Cell surface protein	5	0	8	0	0
SEEL	Q16625	Occludin	OCLN	Cell surface protein	2	0	4	0	0
SEEL	C9JH25	Proline-rich transmembrane protein 4	PRRT4	Cell surface protein	3	0	4	0	0
SEEL	Q6UXF1	Transmembrane protein 108	TMEM108	Cell surface protein	2	0	5	0	0
SEEL	Q4KMQ2	Anoctamin-6	ANO6	Cell surface protein	5	0	0	0	9
SEEL	P08133	Annexin A6	ANXA6	Cell surface protein	5	0	0	0	9
SEEL	Q96CW1	AP-2 complex subunit mu	AP2M1	Cell surface protein	5	0	0	0	9
SEEL	P07360	Complement component C8 gamma chain	C8G	Cell surface protein	2	0	0	0	4
SEEL	O95180	Voltage-dependent T-type calcium channel subunit alpha-1H	CACNA1H	Cell surface protein	3	0	0	0	18
SEEL	Q9NY47	Voltage-dependent calcium channel subunit alpha-2/delta-2	CACNA2D2	Cell surface protein	2	0	0	0	6
SEEL	Q8N3J6	Cell adhesion molecule 2	CADM2	Cell surface protein	5	0	0	0	10
SEEL	P01730	T-cell surface glycoprotein CD4	CD4	Cell surface protein	2	0	0	0	3
SEEL	Q6P995	Protein FAM171B	FAM171B	Cell surface protein	2	0	0	0	3
SEEL	Q14332	Frizzled-2	FZD2	Cell surface protein	3	0	0	0	10
SEEL	O75144	ICOS ligand	ICOSLG	Cell surface protein	3	0	0	0	6
SEEL	Q96F46	Interleukin-17 receptor A	IL17RA	Cell surface protein	4	0	0	0	8
SEEL	Q8IZA0	Dyslexia-associated protein KIAA0319-like protein	KIAA0319L	Cell surface protein	2	0	0	0	6
SEEL	A8MWY0	UPF0577 protein KIAA1324-like	KIAA1324L	Cell surface protein	2	0	0	0	3
SEEL	P42702	Leukemia inhibitory factor receptor	LIFR	Cell surface protein	4	0	0	0	6
SEEL	A0A023SGA8	Truncated MHC class I polypeptide-related protein A (Fragment)	MICA	Cell surface protein	2	0	0	0	4

SEEL	Q92508	Piezo-type mechanosensitive ion channel component 1	PIEZO1	Cell surface protein	2	0	0	0	2
SEEL	Q86UN3	Reticulon-4 receptor-like 2	RTN4RL2	Cell surface protein	4	0	0	0	5
SEEL	P34741	Syndecan-2	SDC2	Cell surface protein	5	0	0	0	12
SEEL	Q9NTN9	Semaphorin-4G	SEMA4G	Cell surface protein	2	0	0	0	3
SEEL	P11169	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3	Cell surface protein	3	0	0	0	6
SEEL	Q9UKZ4	Teneurin-1	TENM1	Cell surface protein	2	0	0	0	9
SEEL	P57088	Transmembrane protein 33	TMEM33	Cell surface protein	3	0	0	0	3
SEEL	Q5HYA8	Meckelin	TMEM67	Cell surface protein	4	0	0	0	6
SEEL	Q9C0H2	Protein tweety homolog 3	TTYH3	Cell surface protein	2	0	0	0	4
Biotin+SEEL	P11717	Cation-independent mannose-6-phosphate receptor	IGF2R	Cell surface protein	307	10	41	449	377
Biotin+SEEL	Q13308	Inactive tyrosine-protein kinase 7	PTK7	Cell surface protein	166	55	13	269	244
Biotin+SEEL	P10586	Receptor-type tyrosine-protein phosphatase F	PTPRF	Cell surface protein	198	102	16	234	255
Biotin+SEEL	P35222	Catenin beta-1	CTNNB1	Cell surface protein	131	46	14	231	250
Biotin+SEEL	P08195	4F2 cell-surface antigen heavy chain	SLC3A2	Cell surface protein	148	9	33	229	207
Biotin+SEEL	O75054	Immunoglobulin superfamily member 3	IGSF3	Cell surface protein	176	55	0	214	226
Biotin+SEEL	P05556	Integrin beta-1	ITGB1	Cell surface protein	114	35	18	204	240
Biotin+SEEL	O15031	Plexin-B2	PLXNB2	Cell surface protein	151	44	8	172	185
Biotin+SEEL	P35613	Basigin	BSG	Cell surface protein	44	8	9	164	101
Biotin+SEEL	P08069	Insulin-like growth factor 1 receptor	IGF1R	Cell surface protein	148	22	66	155	154
Biotin+SEEL	O14654	Insulin receptor substrate 4	IRS4	Cell surface protein	172	64	51	154	150
Biotin+SEEL	P06756	Integrin alpha-V	ITGAV	Cell surface protein	106	18	0	150	140
Biotin+SEEL	P19022	Cadherin-2	CDH2	Cell surface protein	88	29	11	138	119
Biotin+SEEL	P13591	Neural cell adhesion molecule 1	NCAM1	Cell surface protein	97	27	0	137	140
Biotin+SEEL	P55011	Solute carrier family 12 member 2	SLC12A2	Cell surface protein	112	5	22	135	115
Biotin+SEEL	P43121	Cell surface glycoprotein MUC18	MCAM	Cell surface protein	103	23	70	130	171
Biotin+SEEL	Q14126	Desmoglein-2	DSG2	Cell surface protein	110	17	30	128	95
Biotin+SEEL	P06213	Insulin receptor	INSR	Cell surface protein	137	7	85	121	152
Biotin+SEEL	P00533	Epidermal growth factor receptor	EGFR	Cell surface protein	93	26	3	109	112
Biotin+SEEL	P11047	Laminin subunit gamma-1	LAMC1	Cell surface protein	137	47	55	106	93
Biotin+SEEL	P23229	Integrin alpha-6	ITGA6	Cell surface protein	94	27	0	103	115
Biotin+SEEL	O75051	Plexin-A2	PLXNA2	Cell surface protein	94	7	0	101	86
Biotin+SEEL	P29317	Ephrin type-A receptor 2	EPHA2	Cell surface protein	87	40	8	100	86
Biotin+SEEL	Q9UBG0	C-type mannose receptor 2	MRC2	Cell surface protein	87	6	4	97	129

Biotin+SEEL	Q9UIW2	Plexin-A1	PLXNA1	Cell surface protein	96	5	0	95	114
Biotin+SEEL	Q04721	Neurogenic locus notch homolog protein 2	NOTCH2	Cell surface protein	114	64	24	93	98
Biotin+SEEL	O75976	Carboxypeptidase D	CPD	Cell surface protein	114	24	74	93	77
Biotin+SEEL	P98160	Basement membrane-specific heparan sulfate proteoglycan core protein	HSPG2	Cell surface protein	100	2	39	88	71
Biotin+SEEL	P08648	Integrin alpha-5	ITGA5	Cell surface protein	65	8	8	87	88
Biotin+SEEL	P01130	Low-density lipoprotein receptor	LDLR	Cell surface protein	96	4	77	85	105
Biotin+SEEL	P07942	Laminin subunit beta-1	LAMB1	Cell surface protein	126	24	39	83	87
Biotin+SEEL	Q92859	Neogenin	NEO1	Cell surface protein	125	30	51	76	113
Biotin+SEEL	P14923	Junction plakoglobin	JUP	Cell surface protein	58	20	12	73	69
Biotin+SEEL	Q13433	Zinc transporter ZIP6	SLC39A6	Cell surface protein	73	19	47	71	60
Biotin+SEEL	P08581	Hepatocyte growth factor receptor	MET	Cell surface protein	71	15	0	69	102
Biotin+SEEL	P17301	Integrin alpha-2	ITGA2	Cell surface protein	56	17	0	68	35
Biotin+SEEL	O95490	Latrophilin-2	LPHN2	Cell surface protein	109	19	83	67	91
Biotin+SEEL	Q15375	Ephrin type-A receptor 7	EPHA7	Cell surface protein	70	15	12	67	64
Biotin+SEEL	O94991	SLIT and NTRK-like protein 5	SLITRK5	Cell surface protein	79	9	100	56	78
Biotin+SEEL	Q7KYR7	Butyrophilin subfamily 2 member A1	BTN2A1	Cell surface protein	41	4	0	55	65
Biotin+SEEL	Q9ULF5	Zinc transporter ZIP10	SLC39A10	Cell surface protein	81	33	48	54	74
Biotin+SEEL	Q92823	Neuronal cell adhesion molecule	NRCAM	Cell surface protein	48	16	0	53	55
Biotin+SEEL	Q12860	Contactin-1	CNTN1	Cell surface protein	54	13	0	45	57
Biotin+SEEL	Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	Cell surface protein	37	10	34	41	40
Biotin+SEEL	Q05707	Collagen alpha-1(XIV) chain	COL14A1	Cell surface protein	79	20	48	40	51
Biotin+SEEL	O60245	Protocadherin-7	PCDH7	Cell surface protein	46	5	9	39	46
Biotin+SEEL	Q969P0	Immunoglobulin superfamily member 8	IGSF8	Cell surface protein	35	5	0	39	50
Biotin+SEEL	P02786	Transferrin receptor protein 1	TFRC	Cell surface protein	107	71	100	37	27
Biotin+SEEL	P29323	Ephrin type-B receptor 2	EPHB2	Cell surface protein	39	7	0	37	34
Biotin+SEEL	Q13332	Receptor-type tyrosine-protein phosphatase S	PTPRS	Cell surface protein	49	16	0	34	35
Biotin+SEEL	P46531	Neurogenic locus notch homolog protein 1	NOTCH1	Cell surface protein	40	7	0	34	28
Biotin+SEEL	O60462	Neuropilin-2	NRP2	Cell surface protein	64	21	38	32	49
Biotin+SEEL	Q6IEE7	Transmembrane protein 132E	TMEM132E	Cell surface protein	57	11	44	30	44
Biotin+SEEL	Q96GP6	Scavenger receptor class F member 2	SCARF2	Cell surface protein	39	12	0	26	36
Biotin+SEEL	Q01974	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2	Cell surface protein	32	7	15	25	35
Biotin+SEEL	P14543	Nidogen-1	NID1	Cell surface protein	51	14	27	24	34
Biotin+SEEL	Q9NT99	Leucine-rich repeat-containing protein 4B	LRRC4B	Cell surface protein	42	7	41	23	33

Biotin+SEEL	P30533	Alpha-2-macroglobulin receptor-associated protein	LRPAP1	Cell surface protein	20	20	0	22	0
Biotin+SEEL	P55268	Laminin subunit beta-2	LAMB2	Cell surface protein	49	15	25	22	19
Biotin+SEEL	P54760	Ephrin type-B receptor 4	EPHB4	Cell surface protein	23	5	0	21	25
Biotin+SEEL	Q9H2E6	Semaphorin-6A	SEMA6A	Cell surface protein	27	5	12	19	15
Biotin+SEEL	Q9UHI8	A disintegrin and metalloproteinase with thrombospondin motifs 1	ADAMTS1	Cell surface protein	39	43	0	18	18
Biotin+SEEL	P23468	Receptor-type tyrosine-protein phosphatase delta	PTPRD	Cell surface protein	21	7	0	16	18
Biotin+SEEL	Q96JA1	Leucine-rich repeats and immunoglobulin-like domains protein 1	LRIG1	Cell surface protein	23	5	0	16	16
Biotin+SEEL	O60716	Catenin delta-1	CTNND1	Cell surface protein	37	49	6	15	10
Biotin+SEEL	Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	Cell surface protein	35	29	13	15	11
Biotin+SEEL	Q15262	Receptor-type tyrosine-protein phosphatase kappa	PTPRK	Cell surface protein	27	6	0	15	28
Biotin+SEEL	P35221	Catenin alpha-1	CTNNA1	Cell surface protein	44	58	0	14	19
Biotin+SEEL	P39060	Collagen alpha-1(XVIII) chain	COL18A1	Cell surface protein	45	13	29	13	38
Biotin+SEEL	P23352	Anosmin-1	KAL1	Cell surface protein	21	12	0	12	16
Biotin+SEEL	Q99985	Semaphorin-3C	SEMA3C	Cell surface protein	17	6	0	11	15
Biotin+SEEL	P20020	Plasma membrane calcium-transporting ATPase 1	ATP2B1	Cell surface protein	9	4	0	10	4
Biotin+SEEL	P78536	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17	Cell surface protein	11	6	0	9	5
Biotin+SEEL	Q24JP5	Transmembrane protein 132A	TMEM132A	Cell surface protein	34	5	32	9	29
Biotin+SEEL	P07384	Calpain-1 catalytic subunit	CAPN1	Cell surface protein	35	4	24	7	34
Biotin+SEEL	O43491	Band 4.1-like protein 2	EPB41L2	Cell surface protein	16	22	0	5	0
Biotin+SEEL	Q9Y2J2	Band 4.1-like protein 3	EPB41L3	Cell surface protein	17	12	5	5	7
Biotin+SEEL	Q16891	MICOS complex subunit MIC60	IMMT	Cell surface protein	11	10	0	5	5
Biotin+SEEL	Q92692	Nectin-2	PVRL2	Cell surface protein	11	8	0	5	12
Biotin+SEEL	Q8IZJ1	Netrin receptor UNC5B	UNC5B	Cell surface protein	15	4	13	5	4
Biotin+SEEL	P98172	Ephrin-B1	EFNB1	Cell surface protein	9	2	0	4	9
Biotin+SEEL	A0FGR8	Extended synaptotagmin-2	ESYT2	Cell surface protein	17	26	0	3	4
Biotin+SEEL	Q9H223	EH domain-containing protein 4	EHD4	Cell surface protein	4	2	0	3	0
Biotin+SEEL	P05067	Amyloid beta A4 protein	APP	Cell surface protein	8	18	0	0	3
Biotin+SEEL	Q9H9A6	Leucine-rich repeat-containing protein 40	LRRC40	Cell surface protein	7	6	5	0	0
Biotin+SEEL	Q92824	Proprotein convertase subtilisin/kexin type 5	PCSK5	Cell surface protein	8	5	9	0	0
Biotin+SEEL	P28288	ATP-binding cassette sub-family D member 3	ABCD3	Cell surface protein	4	4	0	0	5
Biotin+SEEL	O14828	Secretory carrier-associated membrane protein 3	SCAMP3	Cell surface protein	4	4	0	0	3
Biotin+SEEL	P16278	Beta-galactosidase	GLB1	Cell surface protein	6	3	2	0	3
Biotin	Q14690	Protein RRP5 homolog	PDCD11	Cell surface protein	23	45	0	0	0

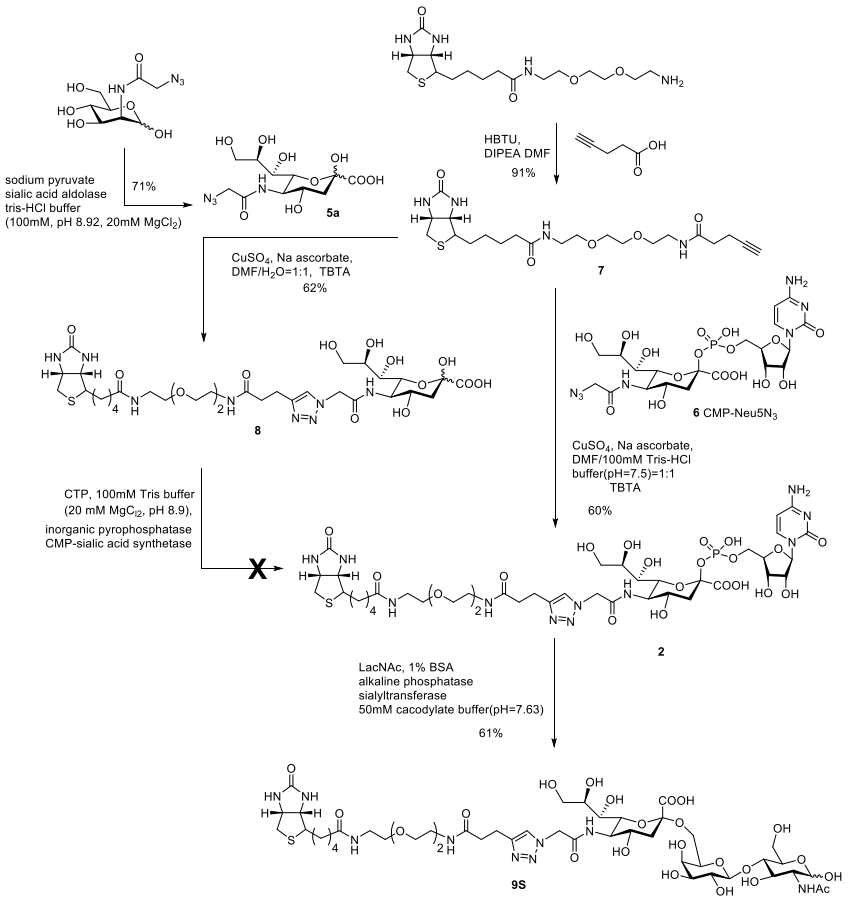
Biotin	P02458	Collagen alpha-1(II) chain	COL2A1	Cell surface protein	17	35	0	0	0
Biotin	P27797	Calreticulin	CALR	Cell surface protein	11	31	0	0	0
Biotin	Q6ZXV5	Transmembrane and TPR repeat-containing protein 3	TMTC3	Cell surface protein	14	29	0	0	0
Biotin	Q13586	Stromal interaction molecule 1	STIM1	Cell surface protein	10	23	0	0	0
Biotin	P08572	Collagen alpha-2(IV) chain	COL4A2	Cell surface protein	7	22	0	0	0
Biotin	Q5JRA6	Melanoma inhibitory activity protein 3	MIA3	Cell surface protein	12	20	0	0	0
Biotin	Q12959	Disks large homolog 1	DLG1	Cell surface protein	8	18	0	0	0
Biotin	P55196	Afadin	MLLT4	Cell surface protein	10	16	0	0	0
Biotin	O43852	Calumenin	CALU	Cell surface protein	4	12	0	0	0
Biotin	P06733	Alpha-enolase	ENO1	Cell surface protein	7	11	0	0	0
Biotin	Q9Y2H6	Fibronectin type-III domain-containing protein 3A	FNDC3A	Cell surface protein	5	11	0	0	0
Biotin	Q9P2M7	Cingulin	CGN	Cell surface protein	6	10	0	0	0
Biotin	Q16555	Dihydropyrimidinase-related protein 2	DPYSL2	Cell surface protein	2	10	0	0	0
Biotin	Q14BN4	Sarcolemmal membrane-associated protein	SLMAP	Cell surface protein	7	9	0	0	0
Biotin	P38606	V-type proton ATPase catalytic subunit	ATP6V1A	Cell surface	4	8	0	0	0
Biotin	Q9UBC2	Epidermal growth factor receptor substrate 15-like 1	EPS15L1	Cell surface protein	5	8	0	0	0
Biotin	Q6NX51	Exocyst complex component 4	EXOC4	Cell surface protein	6	8	0	0	0
Biotin	P02462	Collagen alpha-1(IV) chain	COL4A1	Cell surface protein	4	7	0	0	0
Biotin	P12109	Collagen alpha-1(VI) chain	COL6A1	Cell surface protein	3	6	0	0	0
Biotin	Q6NUQ4	Transmembrane protein 214	TMEM214	Cell surface protein	3	6	0	0	0
Biotin	P23634	Plasma membrane calcium-transporting ATPase 4	ATP2B4	Cell surface protein	2	5	0	0	0
Biotin	P04083	Annexin A1	ANXA1	Cell surface protein	2	4	0	0	0
Biotin	B2RCM3	cDNA, FLJ96158, highly similar to Homo sapiens calpain 2, (m/II) large subunit (CAPN2), mRNA	CAPN2	Cell surface protein	4	4	0	0	0
Biotin	P26232	Catenin alpha-2	CTNNA2	Cell surface protein	2	4	0	0	0
Biotin	Q14195	Dihydropyrimidinase-related protein 3	DPYSL3	Cell surface protein	2	4	0	0	0
Biotin	P69849	Nodal modulator 3	NOMO3	Cell surface protein	2	4	0	0	0
Biotin	Q9H3N1	Thioredoxin-related transmembrane protein 1	TMX1	Cell surface protein	2	4	0	0	0
Biotin	Q9UM73	ALK tyrosine kinase receptor	ALK	Cell surface protein	2	3	0	0	0
Biotin	P08758	Annexin A5	ANXA5	Cell surface protein	3	3	0	0	0
Biotin	O95400	CD2 antigen cytoplasmic tail-binding protein 2	CD2BP2	Cell surface protein	2	3	0	0	0
Biotin	Q14031	Collagen alpha-6(IV) chain	COL4A6	Cell surface protein	2	3	0	0	0
Biotin	Q16658	Fascin	FSCN1	Cell surface protein	2	3	0	0	0
Biotin	Q86VI3	Ras GTPase-activating-like protein IQGAP3	IQGAP3	Cell surface protein	2	3	0	0	0

Biotin	Q9BTV4	Transmembrane protein 43	TMEM43	Cell surface protein	2	2	0	0	0

Chemical Synthesis

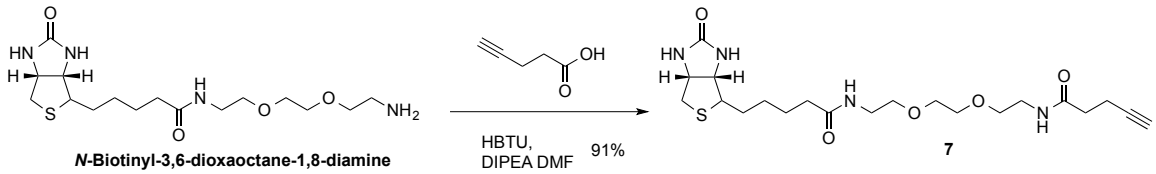
General methods and materials

NeuAc and D-mannosamine·HCl were purchased from Carbosynth LLC. Other reagents were obtained from commercial sources and used as purchased. Dichloromethane (DCM) was freshly distilled using standard procedures. Other organic solvents were purchased anhydrous and used without further purification. Unless otherwise noted, all reactions were carried out at room temperature (RT) in glassware with magnetic stirring. Organic solutions were concentrated under reduced pressure with bath temperatures < 30 ^{o}C. Flash column chromatography was carried out on silica gel G60 (Silicycle, 60-200 μm, 60 Å). Thin-layer chromatography (TLC) was carried out on Silica gel 60 F_{254} (EMD Chemicals Inc.) with detection by UV absorption (254 nm) where applicable, by spraying with 20% sulfuric acid in ethanol followed by charring at ~150 ^{o}C or by spraying with a solution of $(NH_4)_6Mo_7O_{24}.H_2O$ (25 g/L) in 10% sulfuric acid in ethanol followed by charring at ~150^{o}C. ^{1}H and ^{13}C NMR spectra were recorded on a Varian Inova-300 (300/75 MHz), a Varian Inova-500 (500 MHz) and a Varian Inova-600 (600/150 MHz) spectrometer equipped with sun workstations. Multiplicities are quoted as singlet (s), doublet (d), doublet of doublets (dd), triplet (t) or multiplet (m). All NMR signals were assigned on the basis of ^{1}H NMR, ^{13}C NMR, gCOSY and gHSQC experiments. All chemical shifts are quoted on the δ-scale in parts per million (ppm). Residual solvent signals were used as an internal reference. Mass spectra were recorded on an Applied Biosystems 5800 MALDI-TOF or Shimadzu LCMS-IT-TOF mass spectrometer. The matrix used was 2,5-dihydroxy-benzoic acid (DHB). Reverse-Phase HPLC was performed on an Aglient 1200 series system equipped with an auto-sampler, fraction-collector, UV-detector and eclipse XDB-C18 column (5 μm, 4.6 × 250 mm or 9.4 × 250 mm).



Scheme S1. Biotinylation of C5 position of sialic acid.

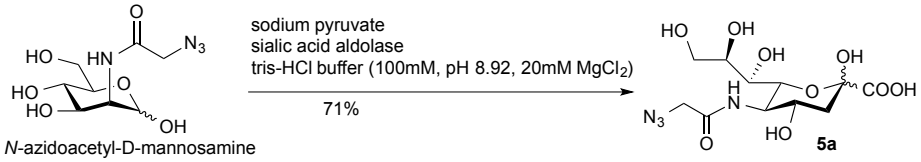
4-Pentynamide, *N*-[2-[2-[2-[(1-biotinyl)amino]ethoxy]ethoxy]ethyl]- (7):



Pentynoic acid (100 mg, 1 mmol), 1-[bis(dimethylamino)methylene]-1H-1,2,3-triazolo[4,5-b] pyridinium 3-oxid hexafluorophosphate (HATU, 380 mg, 1 mmol) and *N,N*-diisopropylethylamine (DIPEA) (204 μL, 1.17 mmol) in DMF (10 mL) was stirred for 10 min at room temperature before being adding dropwise to a solution of *N*-biotinyl-3,6-dioxaoctane-1,8-diamine[1] (255 mg, 0.68 mmol) in DMF (5 mL). The resulting solution was stirred for another 2 h, after which the DMF was removed under reduced pressure

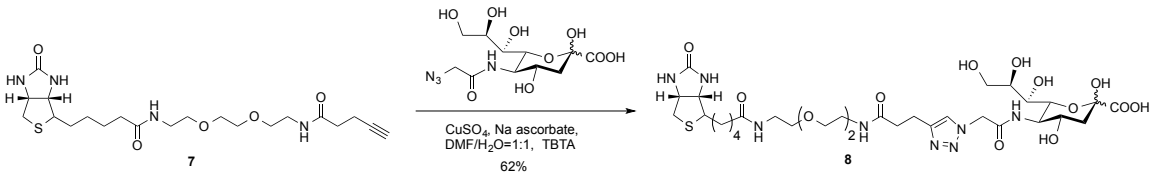
and the residue was purified by silica gel column chromatography using a gradient of methanol in CH_2Cl_2 (5→25%) to give **7** as a white solid (280 mg, 91%). ^{1}H NMR (300 MHz, D_2O) δ 4.52 (dd, *J* = 7.8, 4.7 Hz, 1H, C*H*NH, biotin), 4.33 (dd, *J* = 7.8, 4.5 Hz, 1H, C*H*NH biotin), 3.65 (s, 4H, OC*H*$_2$C*H*$_2$O), 3.58 (t, *J* = 5.5 Hz, 4H, NHCH$_2$C*H*$_2$O + OC*H*$_2$CH$_2$NH), 3.40 (dd, *J* = 5.4, 2.8 Hz, 4H, NHC*H*$_2$CH$_2$O+ OCH$_2$C*H*$_2$NH), 3.30 – 3.18 (m, 2H, CHS, biotin + C≡C*H*), 2.95 (dd, *J* = 12.8, 5.0 Hz, 1H, C*H*HS), 2.73 (d, *J* = 12.7 Hz, 1H, CH*H*S), 2.53 – 2.38 (m, 4H, C=OC*H*$_2$C*H*$_2$C≡C), 2.25 (t, *J* = 7.3 Hz, 2H, CH$_2$CH$_2$CH$_2$C*H*$_2$C=O, biotin), 1.85 – 1.43 (m, 6H, C*H*$_2$C*H*$_2$C*H*$_2$CH$_2$C=O, biotin). ^{13}C NMR (75 MHz, D_2O) δ 71.5, 71.5, 70.9, 70.8, 63.7, 61.8, 57.3, 49.6, 41.1, 40.9, 40.5, 40.5, 36.8, 36.3, 36.2, 29.9, 27.1, 27.1, 15.8. MALDI-MS: m/z calcd for $C_{21}H_{34}N_4O_5S$ $[M+H]^+$: 455.2323; found 455.2786.

5-azidoacetamido-3, 5- dideoxy -D-glycero-D-galacto-2-nonulosonic acid (5a):



To a solution of *N*-azidoacetyl-D-mannosamine (5 mg, 0.019 mmol)[2] and sodium pyruvate (10.5 mg, 0.095 mmol) in tris-HCl buffer (100 mM, pH 8.9, 20 mM $MgCl_2$, 1 mL) was added sialic acid aldolase (0.2 U/μL, 5 μL). The reaction mixture was incubated at 37 ^{o}C, and progress of the reaction was monitored by TLC (EtOH : NH_4HCO_3 (1 M), 7:3, v:v), which after 12 h indicated completion of the reaction. Lyophilization of this mixture provide a residue that was purified by silica gel column chromatography using a gradient of to methanol in CH_2Cl_2 (10% →50%) to give **5a** as a white amorphous solid (4.7 mg, 71%). ^{1}H NMR (300 MHz, D_2O) δ 4.05 – 3.80 (m, 4H), 3.71 (dd, *J* = 11.5, 2.8 Hz, 1H, H-9a), 3.67 – 3.62 (m, 4H), 3.48 (dd, *J* = 11.6, 6.2 Hz, 1H, H-9b), 3.39 (d, *J* = 8.9 Hz, 1H), 2.10 (dd, *J* = 12.9, 4.6 Hz, 1H, H-3eq), 1.78 – 1.63 (m, 1H, H-3ax). ^{13}C NMR (75 MHz, d_2o) δ 69.9, 68.9, 68.3, 67.2, 63.2, 63.1, 61.4, 52.4, 39.5, 38.6. HRMS (ESI): m/z calcd for $C_{11}H_{18}N_4O_9$ $[M-H]^-$: 349.1001; found 349.2042.

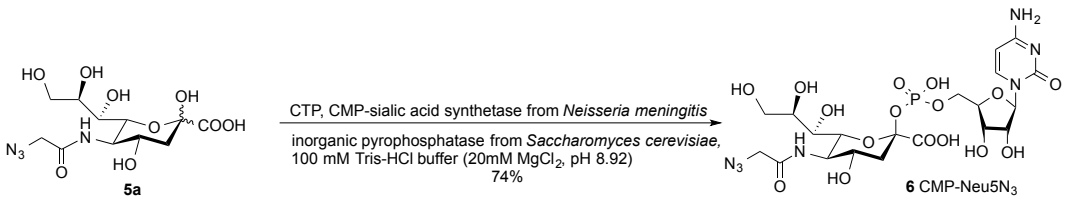
5-[[2-[4-[2-[2-[2-[2-[(1-biotinyl)amino]ethoxy]ethoxy]ethylamino]oxoethyl]-1*H*-1,2,3-triazol -1-yl]acetyl]amino]-3, 5-dideoxy-D-glycero-D-galacto-2-nonulosonic acid (8):



7 8

The solution of compound **7** (20 mg, 0.044 mmol) in DMF (1 mL) was added to the solution of **5a** (12 mg, 0.034 mmol) in H_2O (pH 7.5, 1 mL). To this mixture was added $CuSO_4$ (100 mM, 270 μL), sodium L-ascorbate (100 mM, 340 μL) and TBTA (3.7 mg, 0.007 mmol). After stirring for 3 h at ambient temperature, the reaction mixture was centrifuged and the supernatant was collected and concentrated under reduced pressure to give a residue that was purified by silica gel column chromatography using a gradient of methanol in CH_2Cl_2 (10% →50%) to give **8** as a white solid (17 mg, 62%). ^{1}H NMR (500 MHz, D_2O) δ 7.74 (s, 1H, CH=C, triazole), 5.17 (s, 2H, triazole-C*H*$_2$-CONH), 4.48 (dd, *J* = 7.9, 4.8 Hz, 1H, C*H*NH, biotin), 4.30 (dd, *J* = 7.8, 4.4 Hz, 1H, C*H*NH, biotin), 3.96 (d, *J* = 10.6 Hz, 2H), 3.86 (t, *J* = 10.2 Hz, 1H), 3.74–3.64 (m, 2H), 3.52 (dq, *J* = 14.7, 5.3 Hz, 7H, H-9b + OC*H*$_2$C*H*$_2$O+NHCH$_2$C*H*$_2$O), 3.46 (t, *J* = 5.4 Hz, 2H, OC*H*$_2$CH$_2$NH), 3.26 (dt, *J* = 14.7, 5.2 Hz, 4H, NHC*H*$_2$CH$_2$O+ OCH$_2$C*H*$_2$NH), 3.20 (dt, *J* = 9.8, 5.3 Hz, 1H, CHS, biotin), 2.92 (t, *J* = 7.3 Hz, 2H, triazole-C*H*$_2$CH$_2$C=O), 2.87 (dd, *J* = 13.0, 4.9 Hz, 1H, C*H*HS)), 2.65 (d, *J* = 13.0 Hz, 1H, CH*H*S), 2.53 (t, *J* = 7.2 Hz, 2H, triazole CH$_2$C*H*$_2$C=O), 2.15 (t, *J* = 7.2 Hz, 3H, CH$_2$CH$_2$CH$_2$C*H*$_2$C=O, biotin, H-3eq), 1.70 (q, *J* = 11.5, 10.7 Hz, 1H, H-3ax), 1.64–1.39 (m, 4H, C*H*$_2$CH$_2$C*H*$_2$CH$_2$C=O, biotin), 1.34–1.23 (m, 2H, CH$_2$C*H*$_2$CH$_2$CH$_2$C=O, biotin). ^{13}C NMR (126 MHz, D_2O) δ 124.8, 70.5, 70.0, 69.4, 68.9, 68.9, 63.2, 63.0, 62.1, 60.2, 55.3, 52.6, 51.9, 39.7, 39.7, 39.3, 38.9, 38.8, 35.4, 35.0, 27.8, 27.7, 27.6, 25.0, 21.0. HRMS (ESI): m/z: calcd for $C_{32}H_{52}N_8O_{14}S$ $[M-H]^-$: 803.3251; found: 803.3567.

Cytidine-5' -monophospho-5-azidoacetamido-3, 5- dideoxy-β-D-glycero-D-galacto-2 -nonulopyranosonic acid (6):

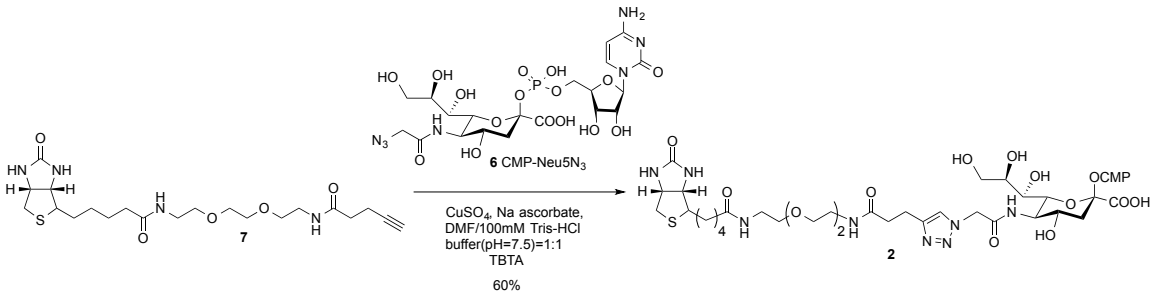


CMP-sialic acid synthetase (0.1U/μL, 10μL) and inorganic pyrophosphatase (0.2 U/μL, 5 μL) were added to a mixture of **5a** (10.5 mg, 0.03 mmol) in tris-HCl buffer (100mM, pH 8.92, 20 mM $MgCl_2$, 2 mL), containing CTP (33 mg, 0.063 mmol). The tube was incubated at 37 ^oC, and progress of the reaction was monitored by TLC (i-PrOH : 20 mM NH_4Cl = 4:1, v:v), which after 4 h indicated completion of the reaction. EtOH (14 mL) was added , and the mixture was kept on ice for 2 h prior to centrifugation and the supernatant was decanted and the pellet (mostly inorganic salts) was re-suspended in EtOH (8mL), cooled on ice for 1 h and centrifuged. The combined ethanol extracts were concentrated under reduced pressure. The residue was redissolved in 1.5 mL distilled water followed by lyophilization to provide a crude material, which was applied on a Biogel fine P-2 column (75*1.5 cm, eluted with 0.1 M NH_4HCO_3 at 4 ^oC in the dark). The product was detected by TLC, and appropriate fractions were combined and lyophilized to provide **6** as a white solid (14.5 mg, 74%).

One-pot two-enzyme system approach for synthesis of compound 6[2]. Sialic acid aldolase (0.2 U/μL, 5 μL), and CMP-sialic acid synthetase (0.2 U/μL, 5μL) were added to a mixture of *N*-azidoacetyl-D-mannosamine (5 mg, 0.019 mmol) in tris-HCl buffer (100 mM, pH 8.9, 20 mM $MgCl_2$, 1.9 mL), containing sodium pyruvate (10.5 mg, 0.095 mmol) and CTP (10 mg, 0.019 mmol). The tube was incubated at 37 ^oC, and progress of the reaction was monitored by TLC (EtOH : aq. NH_4HCO_3 (1 M) 7:3, v:v), which after 5 h indicated completion of the reaction. EtOH (3 mL) was added, and the precipitate was removed by centrifugation and the supernatant was concentrated under reduced pressure. The residue was redissolved in distilled water (500 μL) followed by lyophilization to provide a crude material that was applied to a Biogel fine P-2

column (50* 1 cm, eluted with 0.1 M NH_4HCO_3 at 4 ^oC in the dark). The product was detected by TLC, and appropriate fractions were combined and lyophilized to provide **6** as an amorphous white solid (10.1 mg, 81%). ^1H NMR (500 MHz, d_2o) δ 7.86 (d, *J* = 7.6 Hz, 1H, H-6, cyt), 6.02 (d, *J* = 7.5 Hz, 1H, H-5, cyt), 5.88 (d, *J* = 4.5 Hz, 1H, H-1, rib), 4.27 – 4.19 (m, 2H, H-2 + H-3, rib), 4.12 (dd, *J* = 9.1, 7.6 Hz, 4H), 4.08 – 3.97 (m, 3H, H-4 + N_3CH_2CO), 3.92 (t, *J* = 10.3 Hz, 1H), 3.83 (ddd, *J* = 9.4, 6.5, 2.6 Hz, 1H), 3.78 (dd, *J* = 11.8, 2.5 Hz, 1H), 3.52 (dd, *J* = 11.9, 6.6 Hz, 1H), 3.34 (dd, *J* = 9.6, 1.2 Hz, 1H), 2.40 (dd, *J* = 13.2, 4.8 Hz, 1H, H-3eq), 1.55 (ddd, *J* = 13.3, 11.3, 5.8 Hz, 1H, H-3ax). HRMS (ESI): m/z calcd for $C_{20}H_{30}N_7O_{16}P$ $[M-H]^-$: 654.1414; found: 654.2023.

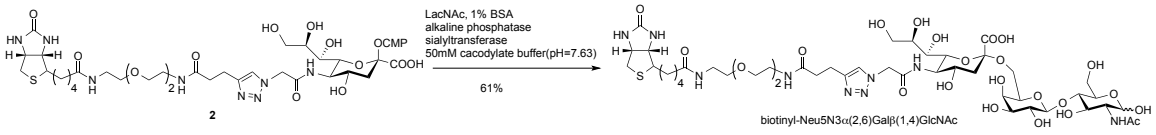
Cytidine-5'-monophospho-5-[[2-[4-[2-[2-[2-[2-[(1-biotinyl)amino]ethoxy]ethoxy]ethylamino]oxoethyl]-1*H*-1,2,3-triazol-1-yl]acetyl]amino]-3, 5-dideoxy-D-glycero-D-galacto-2-nonulopyranosonic acid (2):



A solution of compound **7** (9 mg, 0.02 mmol) in DMF (1 mL) was added to the solution of CMP-Neu5N_3 (**6**, 10 mg, 0.015 mmol) in Tris-HCl buffer (100 mM, pH 7.5, 1 mL). To this mixture was added $CuSO_4$ (100 mM, 120 μL), sodium L-ascorbate (100 mM, 150 μL) and TBTA (2.4 mg, 0.0045 mmol). After stirring for 3 h at ambient temperature, the reaction mixture was lyophilized to provide a residue that was applied to a Biogel fine P-2 column (75*1.5 cm) and eluted with 0.1 M NH_4HCO_3 at 4 ^oC in the dark. The product was detected by TLC ($^{i-}$PrOH : aq. NH_4Cl (20 M) 4 : 1, v:v), and appropriate fractions were combined and lyophilized to provide **2** as a white solid (9.9 mg, 60%). ^1H NMR (500 MHz, D_2O) δ 7.86 (d, *J* = 7.6 Hz, 1H, H-6, cyt), 7.73 (s, 1H, CH=C, triazole), 6.01 (d, *J* = 7.6 Hz, 1H, H-5, cyt), 5.88 (d, *J* = 4.5 Hz,

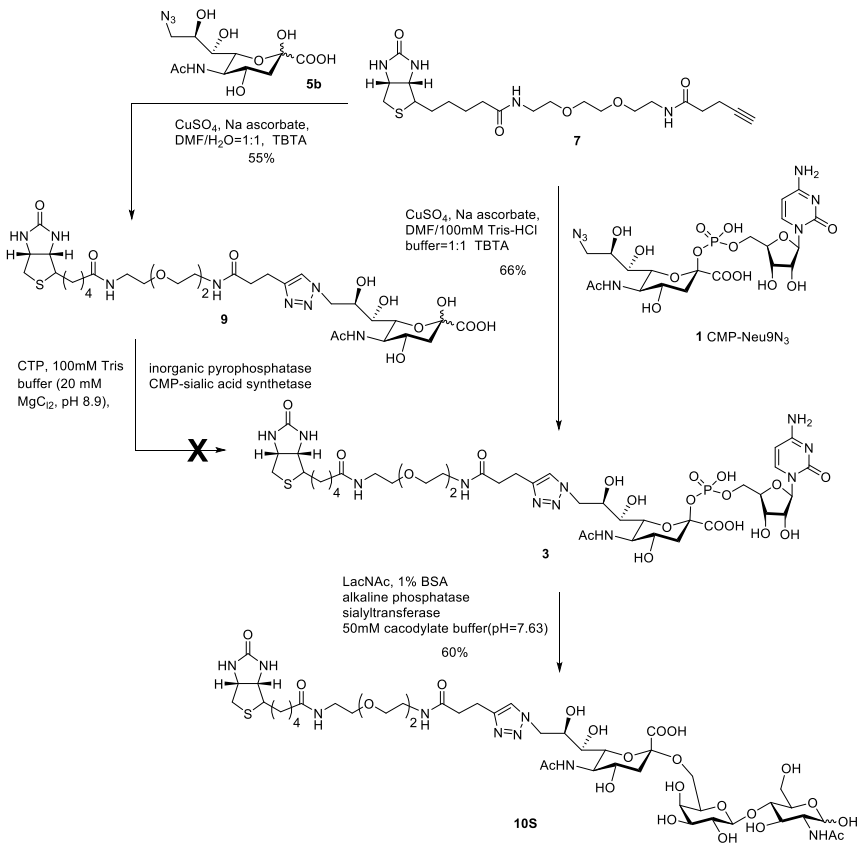
1H, H-1, rib), 5.17 (d, *J* = 2.7 Hz, 2H, triazole-CH_2-C=O), 4.48 (dd, *J* = 8.0, 4.9 Hz, 1H, C*H*NH, biotin), 4.30 (dd, *J* = 8.0, 4.5 Hz, 1H, C*H*NH, biotin), 4.23 (t, *J* = 4.9 Hz, 1H, H-3, rib), 4.19 (t, *J* = 4.8 Hz, 1H, H-2, rib), 4.15 – 4.07 (m, 4H, H-4 rib, H-5 rib, H-6 Neu), 4.06 – 3.98 (m, 1H, H-4), 3.90 (t, *J* = 10.3 Hz, 1H, H-5), 3.83 (ddd, *J* = 9.3, 6.4, 2.5 Hz, 1H, H-8), 3.77 (dd, *J* = 11.8, 2.5 Hz, 1H, H-9a), 3.59 – 3.49 (m, 7H, H-9b + OCH_2CH_2O+NHCH_2CH_2O), 3.45 (t, *J* = 5.4 Hz, 2H, OCH_2CH_2NH), 3.35 (dd, *J* = 9.6, 1.1 Hz, 1H, H-7), 3.30 – 3.22 (m, 4H, NHCH_2CH_2O+ OCH_2CH_2NH), 3.22 – 3.17 (m, 1H, CHS, biotin), 2.92 (t, *J* = 7.3 Hz, 2H, triazole-CH_2CH_2C=O), 2.87 (dd, *J* = 13.1, 5.0 Hz, 1H, C*H*HS), 2.66 (d, *J* = 13.0 Hz, 1H, CH*H*S), 2.52 (t, *J* = 7.4 Hz, 2H, triazole-CH_2CH_2C=O), 2.39 (dd, *J* = 13.3, 4.8 Hz, 1H, H-3eq), 2.15 (t, *J* = 7.3 Hz, 2H, $CH_2CH_2CH_2CH_2$C=O, biotin), 1.66 – 1.39 (m, 5H, H-3ax + $CH_2CH_2CH_2CH_2$C=O, biotin), 1.34 – 1.23 (m, 2H, $CH_2CH_2CH_2CH_2$C=O, biotin). ^{13}C NMR (126 MHz, D_2O) δ 141.7, 124.7, 96.6, 89.1, 82.9, 74.3, 71.6, 69.6, 69.5, 69.4, 68.9, 68.9, 68.8, 66.8, 64.9, 62.9, 62.9, 62.1, 60.2, 55.3, 52.2, 52.0, 41.1, 41.1, 39.7, 39.7, 38.9, 38.9, 35.5, 35.1, 27.8, 27.7, 27.7, 25.1, 21.0. HRMS (ESI): m/z calcd for $C_{41}H_{63}N_{11}O_{21}PS$ $[M-H]^-$: 1108.3664; found m/z: 1108.2461.

Biotinyl Neu5Acα(2,6)Galβ(1,4)GlcNAc (9S):



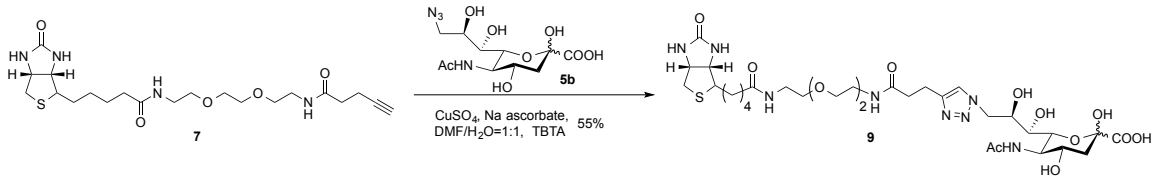
Recombinant α-(2,6)-sialyltransferase (ST6Gal I) [GenBank P13721] (0.63 mg/mL, 23.2μL)[3] and calf intestine alkaline phosphatase (10000 U/mL, 2.5 μL) were added to a mixture of LacNAc (0.43 mg, 1.13 μmol) in cacodylate buffer (50 mM, pH 7.63, 96 μL) containing 0.1% BSA and **2** (2.5 mg, 2.26 μmol) in an Eppendorf tube. The tube was incubated at 37 ^oC, and progress of the reaction was monitored by TLC (EtOAc : CH_3OH : H_2O : AcOH = 4:2:1:0.5, v:v:v:v), which after 5 h indicated completion of the reaction. CH_3OH (0.5 μL) was added and the mixture was lyophilization to provide a residue that was applied to a Biogel fine P-2 column (50* 1 cm), which was eluted with H_2O at room temperature. The product was detected by TLC and appropriate fractions were combined and lyophilized to provide **9S** as a white solid (0.8 mg,

61%). ^{1}H NMR (600 MHz, d_2o) δ 7.69 (s, 1H, CH=C, triazole), 5.19 – 5.06 (m, 2H, H-1', H-1"), 4.61 – 4.57 (m, 1H, H5), 4.45 (ddd, *J* = 8.0, 5.0, 0.9 Hz, 1H, C*H*NH, biotin), 4.30 (dd, *J* = 7.9, 2.3 Hz, 1H), 4.27 (dd, *J* = 7.9, 4.5 Hz, 1H, C*H*NH, biotin), 3.87 – 3.79 (m, 2H), 3.79 – 3.70 (m, 5H), 3.70 – 3.64 (m, 2H), 3.56 (m, 3H), 3.54 – 3.45 (m, 10H), 3.44 – 3.35 (m, 5H), 3.24 (dd, *J* = 6.2, 4.7 Hz, 2H, NHC$H_2$$CH_2$O), 3.21 (t, *J* = 5.2 Hz, 2H, OCH_2CH_2NH), 3.17 (dt, *J* = 9.7, 5.2 Hz, 1H, CHS, biotin), 2.92 – 2.87 (m, 2H, triazole-C$H_2$$CH_2$C=O), 2.83 (dd, *J* = 13.1, 5.1 Hz, 1H, C*H*HS), 2.62 (d, *J* = 13.3 Hz, 1H, CH*H*S), 2.53 (dd, *J* = 12.4, 4.7 Hz, 1H, H-3eq), 2.49 (td, *J* = 7.3, 1.9 Hz, 2H, triazole-CH_2CH_2C=O), 2.11 (t, *J* = 7.3 Hz, 2H, $CH_2CH_2CH_2$CH_2C=O, biotin), 1.87 (s, 3H, Ac), 1.62–1.37 (m, 5H, H-3ax, C$H_2$$CH_2CH_2$$CH_2$C=O, biotin), 1.25 (dd, *J* = 8.6, 7.8 Hz, 2H, CH_2C$H_2$$CH_2CH_2$C=O, biotin). ^{13}C NMR (151 MHz, D_2O) δ 124.6, 103.4, 80.7, 73.6, 72.5, 72.4, 72.2, 71.6, 70.7, 69.8, 69.5, 69.3, 69.3, 68.8, 68.8, 68.3, 68.3, 68.2, 68.0, 67.3, 66.8, 63.4, 63.4, 62.8, 62.0, 61.2, 60.0, 55.2, 53.4, 52.0, 51.9, 40.0, 39.5, 39.5, 38.8, 38.8, 35.3, 35.0, 27.8, 27.7, 27.6, 25.2, 22.0, 21.0. HRMS (ESI): m/z calcd for $C_{46}H_{74}N_9O_{24}S$ $[M-H]^-$: 1168.4573; found: 1168.3288.



Scheme S2. Biotinylation at C9 position of sialic acid.

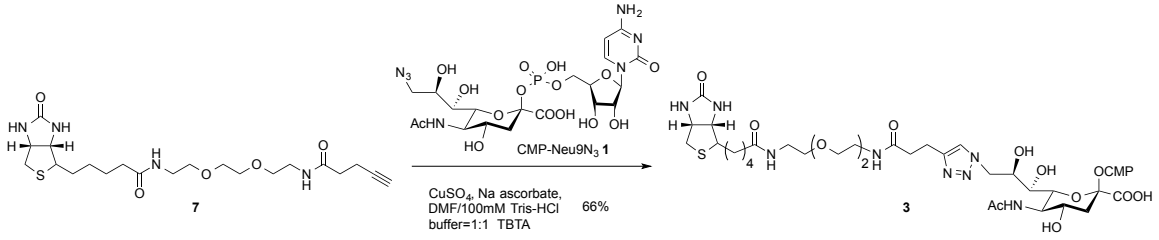
5-Acetamido-9-[4-[2-[2-[2-[2-[(1-biotinyl)amino]ethoxy]ethoxy]ethylamino]oxoethyl]-1*H*-1, 2,3-triazol-1-yl]-3,5,9-tri-deoxy-D-glycero-D-galacto-2-nonulosonic acid (9):



A solution of compound **7** (50 mg, 0.11 mmol) in DMF (5 mL) was added to the solution of **5b** (28.0 mg, 0.08 mmol)[3] in H_2O (5 mL). To this mixture was added $CuSO_4$ (100 mM, 640 μL), sodium L-ascorbate (100, mM 800 μL) and TBTA (5 mg, 0.02 mmol). After stirring for 3.5 h at ambient temperature, the reaction mixture was concentrated under reduced pressure to provide a crude material, and this residue was purified by silica gel column chromatography (MeOH/DCM, 5:1, v/v). The product was detected by TLC (^{i}-PrOH : 20 mM NH_4Cl, 4:1, v:v), and appropriate

fractions were combined and concentrated to provide **9** as a white solid (37 mg, 55%). ^{1}H NMR (500 MHz, CD_3OD) δ 7.93 (m, 1H, CH=C, triazole), 4.51 (s, 1H, C*H*NH, biotin), 4.35 – 4.30 (m, 2H), 4.02 (m, 4H), 3.62 (s, 4H, OCH_2CH_2O), 3.59 – 3.52 (m, 4H, NHCH$_2$CH_2O, OCH_2CH$_2$NH), 3.45 – 3.33 (m, 6H, NHCH_2CH$_2$O, OCH$_2$CH_2NH, H-9), 3.28 – 3.18 (m, 1H, CHS biotin), 3.01 (m, 2H,C=OCH_2CH$_2$-triazole), 2.94 (dd, *J* = 12.6, 4.3 Hz, 1H, C*H*HS), 2.73 (d, *J* = 12.6 Hz, 1H, CH*H*S), 2.59 (m, 2H, C=OCH$_2$CH_2 triazole), 2.24 (t, *J* = 7.1 Hz, 2H, CH$_2$CH$_2$CH$_2$CH_2C=O, biotin), 2.19 – 1.88 (m, 5H, NCH_3, H3), 1.83 – 1.41 (m, 6H, CH_2CH_2CH_2CH$_2$C=O). ^{13}C NMR (126 MHz, CD_3OD) δ 70.3, 69.9, 69.3, 68.7, 62.7, 60.3, 55.6, 53.9, 53.4, 52.7, 52.7, 39.7, 39.7, 38.9, 35.4, 35.0, 28.4, 28.1, 28.1, 25.4, 21.5, 21.3. HRMS (ESI): m/z calcd for $C_{32}H_{52}N_8O_{13}S$ $[M-H]^-$: 787.3302; found: 787.1547.

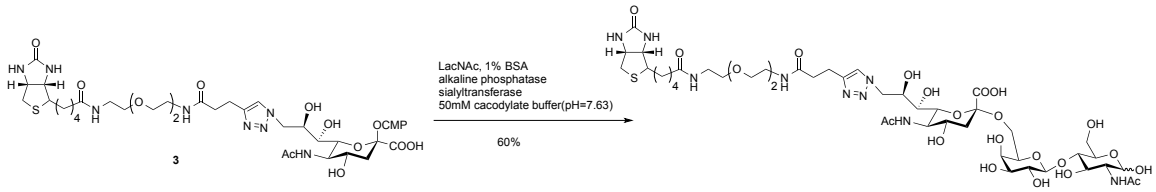
Cytidine-5'-monophospho-5-Acetamido-9-[4-[2-[2-[2-[2-[(1-biotinyl)amino]ethoxy] ethoxy]ethylamino]oxoethyl]-1*H*-1,2,3-triazol-1-yl]-3,5,9-tri-deoxy-D-glycero-D-galacto-2-nonulopyranosonic acid (3):



The solution of **7** (5.9 mg, 0.013 mmol) in DMF (500 µL) was added to the solution of CMP-Neu9N$_3$ (**1**, 8.0 mg, 0.012 mmol)[4] in Tris-HCl buffer (100 mM, pH 7.5, 500 µL). To this mixture was added $CuSO_4$ (100 mM, 80 µL), sodium L-ascorbate (100 mM, 100 µL) and TBTA (1.6 mg, 0.003 mmol). After stirring for 3.5 h at ambient temperature, the reaction mixture was lyophilized to provide a crude material, which was applied on a Biogel fine P-2 column (75*1.5 cm) and eluted with 0.1 M aqueous NH_4HCO_3 at 4 ^oC in the dark. The product was detected by TLC ($^{i-}$PrOH: aq. NH_4Cl (20 mM), 4:1, v:v), and appropriate fractions were combined and lyophilized to provide **3** as a white solid (9.1 mg, 66%). ^{1}H NMR (600 MHz, D_2O) δ 7.67 (d, *J* = 7.6 Hz, 1H, H-6, cyt), 7.62 (s, 1H, CH=C, triazole), 5.83 (d, *J* = 7.6 Hz, 1H, H-5, cyt), 5.78 (d, *J*

= 5.0 Hz, 1H, H-1, rib), 4.62-4.59 (m, 3H, H-4 rib + H-5 rib), 4.40 (dd, *J* = 8.0, 5.2 Hz, 1H, C*H*NH, biotin), 4.25 – 4.18 (m, 2H, C*H*NH biotin, H-3, rib), 4.06 – 4.03 (m, 1H, H-2, rib), 4.03 – 3.92 (m, 3H, H-5, H-7, H-8), 3.89 (td, *J* = 11.0, 4.0 Hz, 1H, H-4), 3.75 (t, *J* = 10.3 Hz, 1H, H-6), 3.50 – 3.40 (m, 7H, H-9a, OCH_2CH_2O, NHCH$_2$CH_2O), 3.36 (dd, *J* = 6.8, 3.9 Hz, 2H, OCH_2CH$_2$NH), 3.23–3.08 (m, 6H, NHCH_2CH$_2$O, OCH$_2$CH_2NH, H-9b, CHS biotin), 2.86–2.73 (m, 3H, triazole-CH_2CH$_2$C=O, C*H*HS), 2.57 (dd, *J* = 13.1, 3.1 Hz, 1H, CH*H*S), 2.46 – 2.37 (m, 2H, triazole-CH$_2$CH_2C=O), 2.29 (dt, *J* = 13.2, 3.9 Hz, 1H, H-3eq), 2.06 (td, *J* = 7.3, 3.0 Hz, 2H, CH$_2$CH$_2$CH$_2$CH_2C=O, biotin), 1.84 (d, *J* = 3.0 Hz, 3H, NAc), 1.54 – 1.32 (m, 5H, H-3ax, CH_2CH$_2$CH_2CH$_2$C=O, biotin), 1.19 (ddt, *J* = 15.3, 9.2, 7.8, 4.3 Hz, 2H, CH$_2$CH_2CH$_2$CH$_2$C=O, biotin). ^{13}C NMR (600 MHz, D_2O) δ 141.2, 123.9, 96.4, 88.6, 83.0, 74.4, 71.5, 71.5, 69.8, 69.5, 69.3, 69.0, 68.7, 68.4, 66.5, 65.1, 61.9, 60.1, 55.2, 51.9, 41.1, 39.9, 39.6, 38.7, 38.4, 35.2, 35.1, 27.8, 25.2, 24.9, 22.1, 21.0. HRMS (ESI): m/z calcd for $C_{41}H_{64}N_{11}O_{20}PS$ $[M-H]^-$, 1092.3715; found: 1092.3482.

Biotinyl Neu9N$_3$α(2,6)Galβ(1,4)GlcNAc (10S):



Recombinant α-(2,6)-sialyltransferase (ST6Gal I) [GenBank P13721] (2.18 mg/mL, 6.7 µL) and calf intestine alkaline phosphatase (1000 U/mL, 24.5 µL) were added to a mixture of LacNAc (0.5 mg, 1.3 µmol) in cacodylate buffer (50 mM, pH 7.63, 96 µL) containing 0.1% BSA and **3** (2.8 mg, 2.6 µmol) in an Eppendorf tube. The tube was incubated at 37 ^{o}C, and progress of the reaction was monitored by TLC (EtOAc : CH_3OH : H_2O : AcOH = 4:2:1:0.5, v:v:v:v), which after 5 h indicated completion of the reaction. CH_3OH (0.5 µL) was added and the resulting solution was lyophilization to provide a residue that was applied on a Biogel fine P-2 column (50* 1 cm), which was eluted with H_2O at room temperature. The product was detected by TLC, and appropriate fractions were combined and lyophilized to provide **10S** as a white solid (0.9 mg,

60%). ^{1}H NMR (600 MHz, D_2O) δ 7.92 (s, 1H, CH=C, triazole), 5.76 (q, *J* = 1.9 Hz, 0.2H, H-1'), 5.28 (dd, *J* = 3.3, 1.3 Hz, 0.8H, H-1'), 4.86 – 4.80 (m, 1H, H-1"), 4.71 – 4.65 (m, 1H, C*H*NH, biotin), 4.59 (dddd, *J* = 17.2, 9.4, 5.2, 1.3 Hz, 1H), 4.56 – 4.47 (m, 2H), 4.38 – 4.23 (m, 1H, H-5), 4.09 – 4.00 (m, 2H), 3.97 (qd, *J* = 5.8, 1.8 Hz, 2H), 3.94 – 3.86 (m, 2H), 3.86 – 3.78 (m, 4H, OCH_2CH_2O), 3.77 – 3.67 (m, 10H), 3.67 – 3.57 (m, 3H), 3.49 – 3.37 (m, 5H, NHC$H_2$$CH_2O$, OCH_2CH_2NH, CHS biotin), 3.10 (t, *J* = 7.4 Hz, 2H, triazole-C$H_2$$CH_2$C=O), 3.06 (ddt, *J* = 13.0, 5.1, 1.4 Hz, 1H, C*H*HS), 2.85 (d, *J* = 13.1 Hz, 1H, CH*H*S), 2.75 – 2.68 (m, 3H, H-3eq + triazole-CH_2CH_2C=O), 2.36 – 2.32 (m, 2H, $CH_2CH_2CH_2$CH_2C=O, biotin), 2.14 (d, *J* = 12.0 Hz, 3H, NAc), 2.09 (d, *J* = 1.3 Hz, 3H, NAc), 1.83 – 1.60 (m, 5H, H-3ax + C$H_2$$CH_2CH_2$$CH_2$C=O, biotin), 1.47 (ddt, *J* = 12.4, 9.3, 7.0 Hz, 2H CH_2C$H_2$$CH_2CH_2$C=O, biotin). ^{13}C NMR (600 MHz, D_2O) δ 124.1, 107.5, 103.4, 94.6, 90.5, 80.8, 74.5, 73.6, 72.9, 72.4, 70.6, 69.9, 69.8, 69.5, 69.5, 69.4, 69.3, 68.8, 68.7, 67.9, 67.3, 67.2, 63.4, 63.4, 62, 60.3, 60.3, 60.1, 60.1, 59.2, 55.3, 53.4, 52.8, 52.8, 52.7, 51.8, 40, 40, 39.6, 39.6, 38.8, 38.8, 35.3, 35.1, 27.8, 27.6, 27.6, 25, 22, 21.9, 21. HRMS (ESI): m/z calcd for $C_{46}H_{75}N_9O_{23}S$ $[M-H]^-$: 1152.4624; found: 1152.2786.

Kinetic analysis of ST6Gal1 using CMP-Neu5Ac and biotinylated CMP-NeuAc

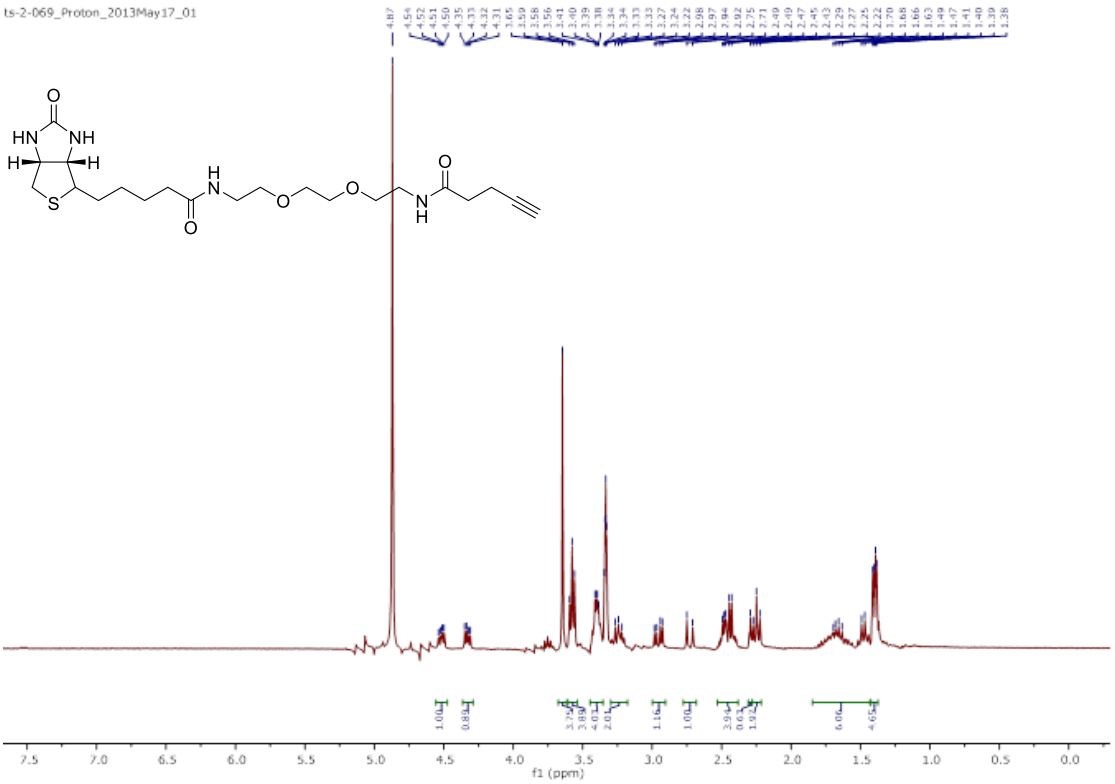
Kinetic analysis of rat ST6Gal1 with CMP-Neu5Ac and its derivatives was performed in MES buffer (100 mM, pH 6.5) containing 0.014 μg/μL rat ST6Gal1, LacNac (2.4 mM), and CMP-Neu5Ac or derivatives (0.0125-0.4 mM) in a total reaction volume of 25 μL. Reaction mixtures were incubated for 30 min at 37 °C and stopped by cooling to 4 °C for 2 min. Released CMP was quantified using the CMP-Glo™ sialyltransferase assay (Promega) by bioluminescent detection of the CMP reaction product as described by the manufacturer. Briefly, the sialyltransferase reaction products (5 μL) were mixed with an equal volume of CMP-Glo assay reagent to convert CMP to ATP and subsequent detection using a luciferase/luciferin reaction. The reaction was incubated at room temperature for 1 h and read on a luminometer (GloMax®-Multi+, Promega) and compared to values from a CMP standard curve. K_m values were determined by curve fitting using GraphPad Prism software.

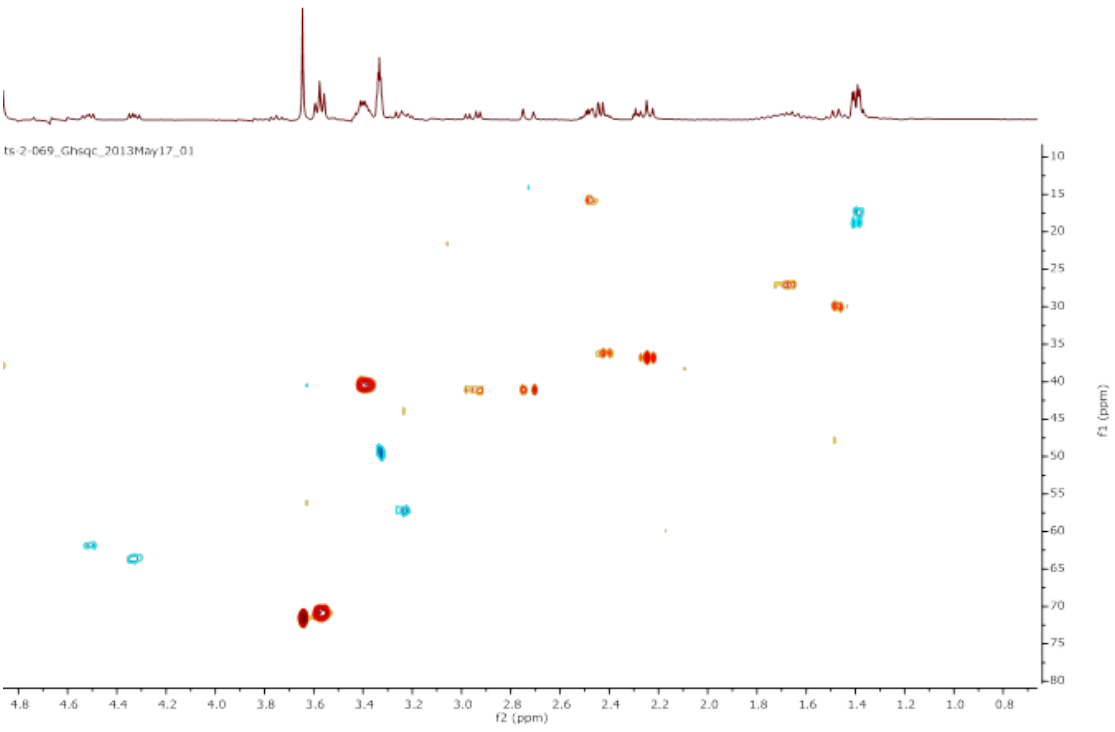
References

1. Ning, X. H., Guo, J., Wolfert, M. A. & Boons, G. J. Visualizing metabolically labeled glycoconjugates of living cells by copper-free and fast huisgen cycloadditions. *Angew. Chem. Int. Ed.* **47**, 2253-2255 (2008).
2. Yu, H., Yu, H., Karpel, R. & Chen, X. Chemoenzymatic synthesis of CMP-sialic acid derivatives by a one-pot two-enzyme system: comparison of substrate flexibility of three microbial CMP-sialic acid synthetases. *Bioorg. Med. Chem.* **12**, 6427-6435 (2004).
3. Mbua, N. E. *et al.* Selective exo-enzymatic labeling of N-glycans on the surface of living cells by recombinant ST6Gal I. *Angew. Chem. Int. Ed.* **52**, 13012-13015 (2013).
4. Rauvolfova, J., Venot, A. & Boons, G. J. Chemo-enzymatic synthesis of C-9 acetylated sialosides. *Carbohydr. Res.* **343**, 1605-1611 (2008).

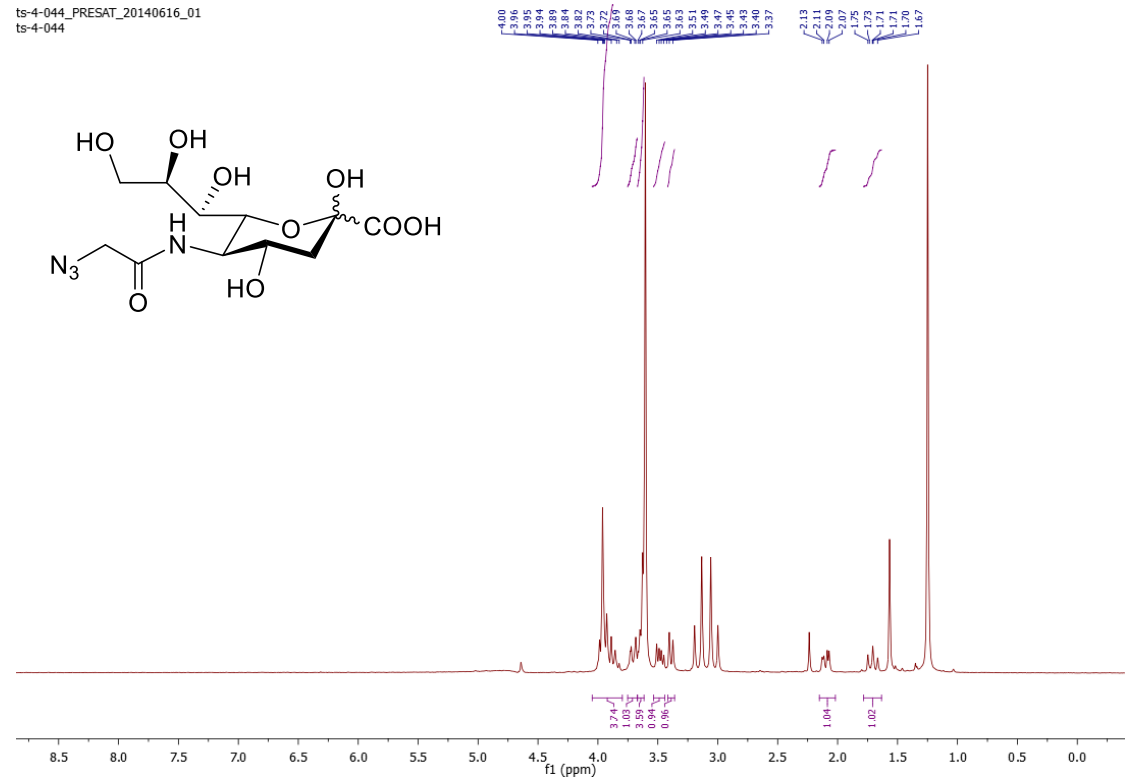
Copies of NMR Spectra

Compound 7

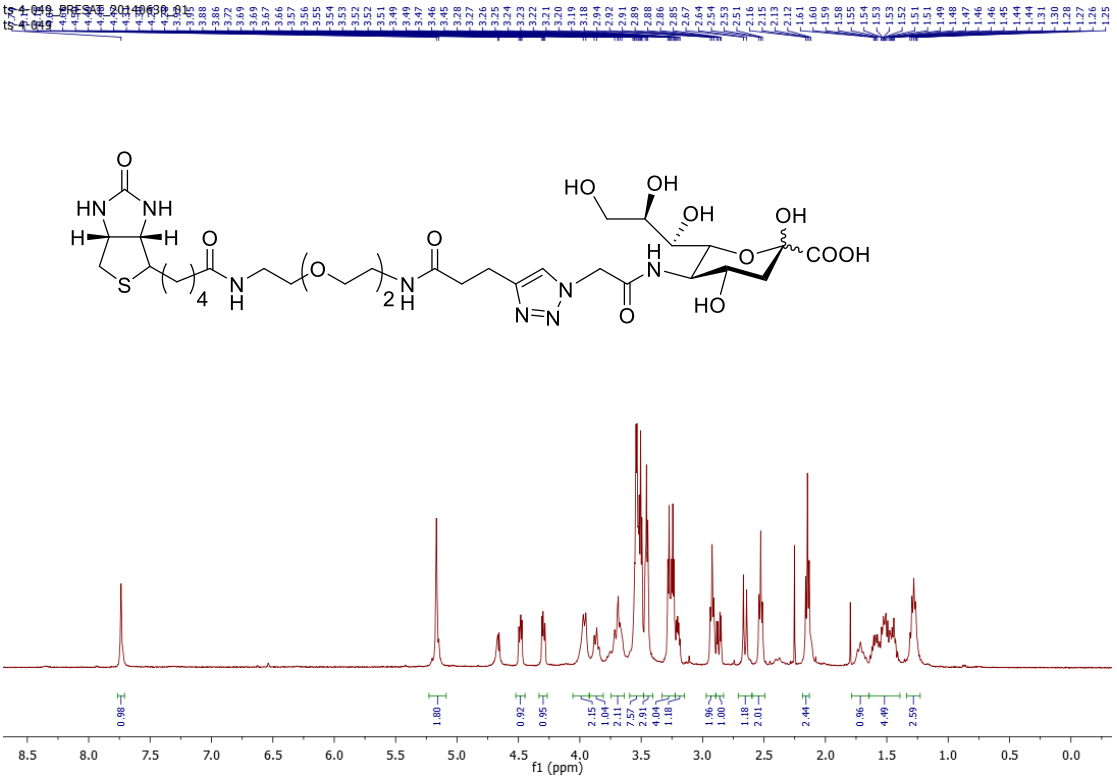


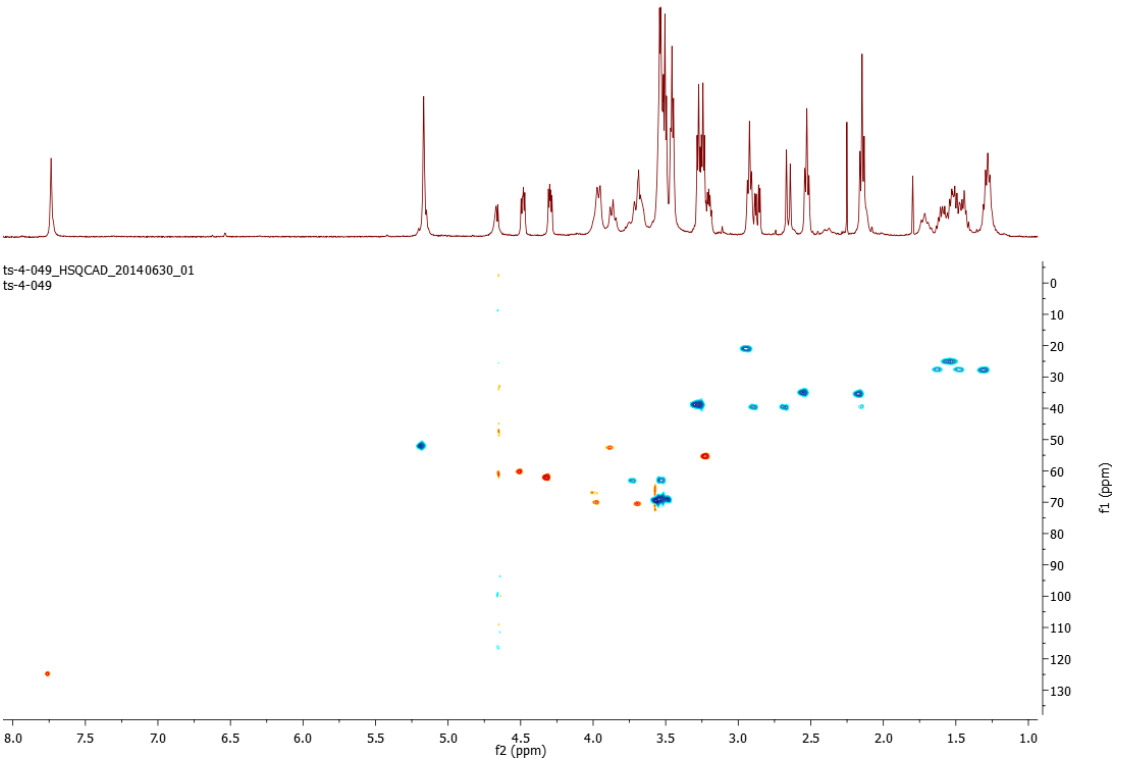


Compound 5a

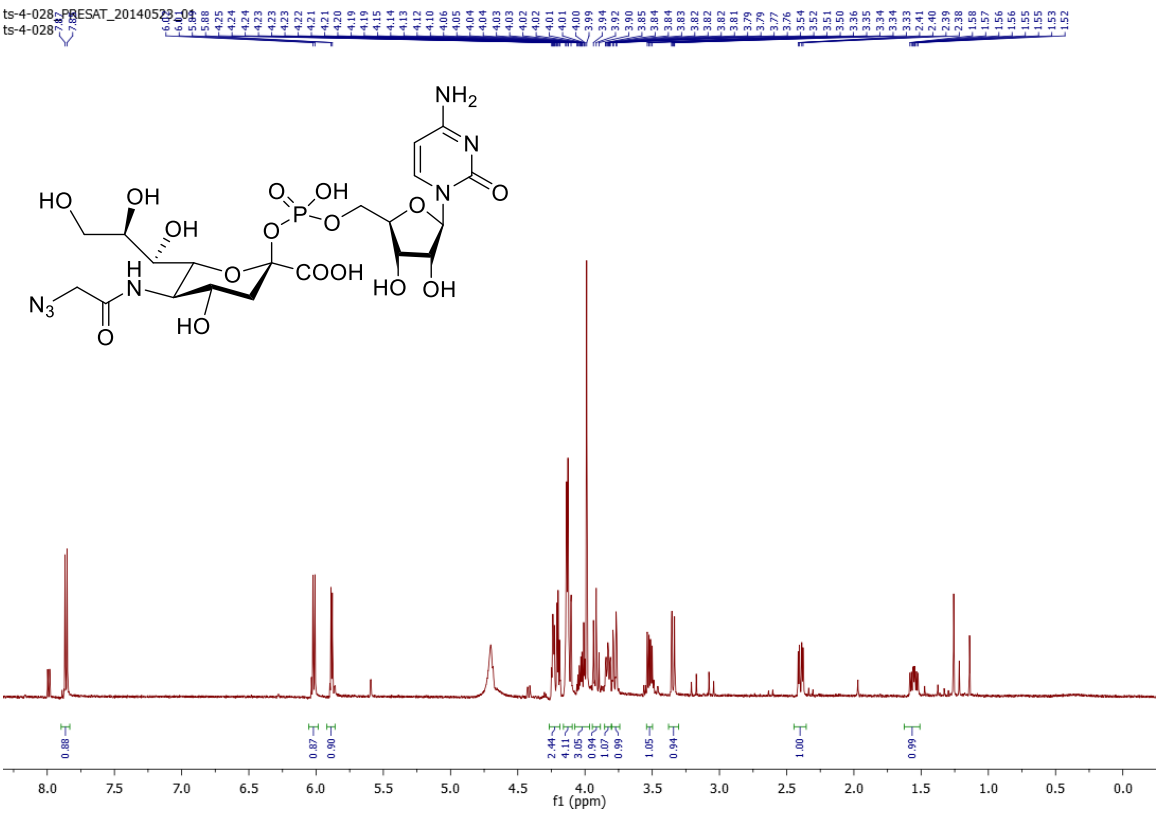


Compound 8

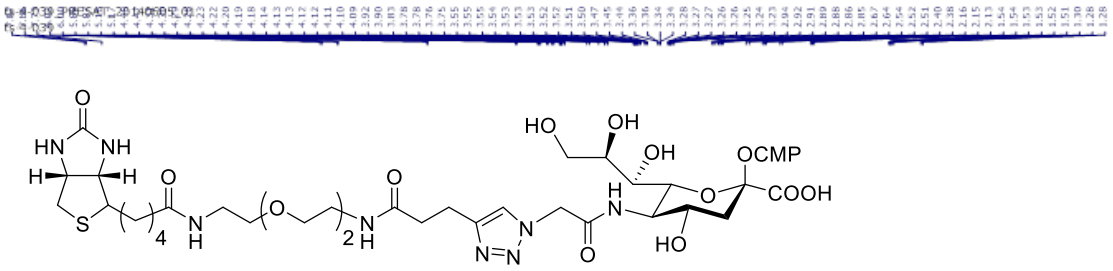



ts-4-049_HSQCAD_20140630_01
ts-4-049
f2 (ppm)
f1 (ppm)

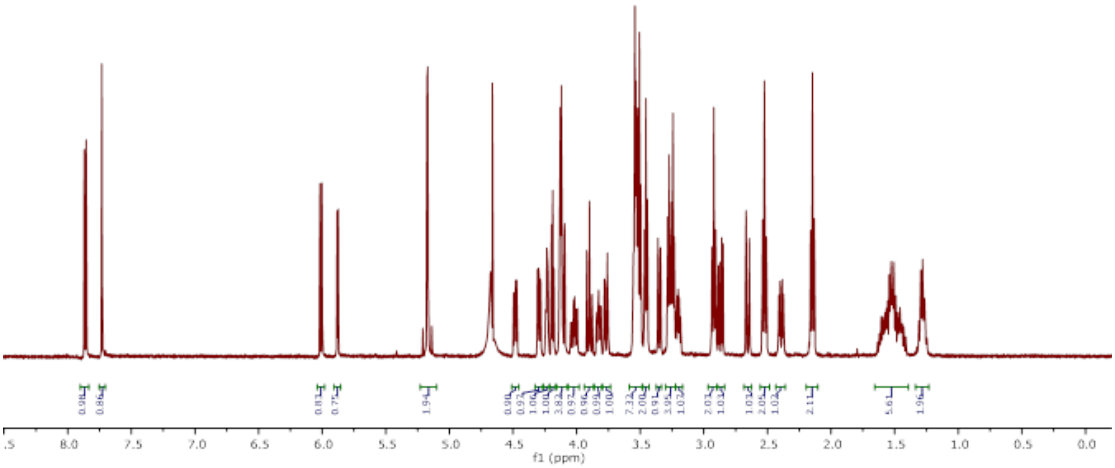
Compound 6

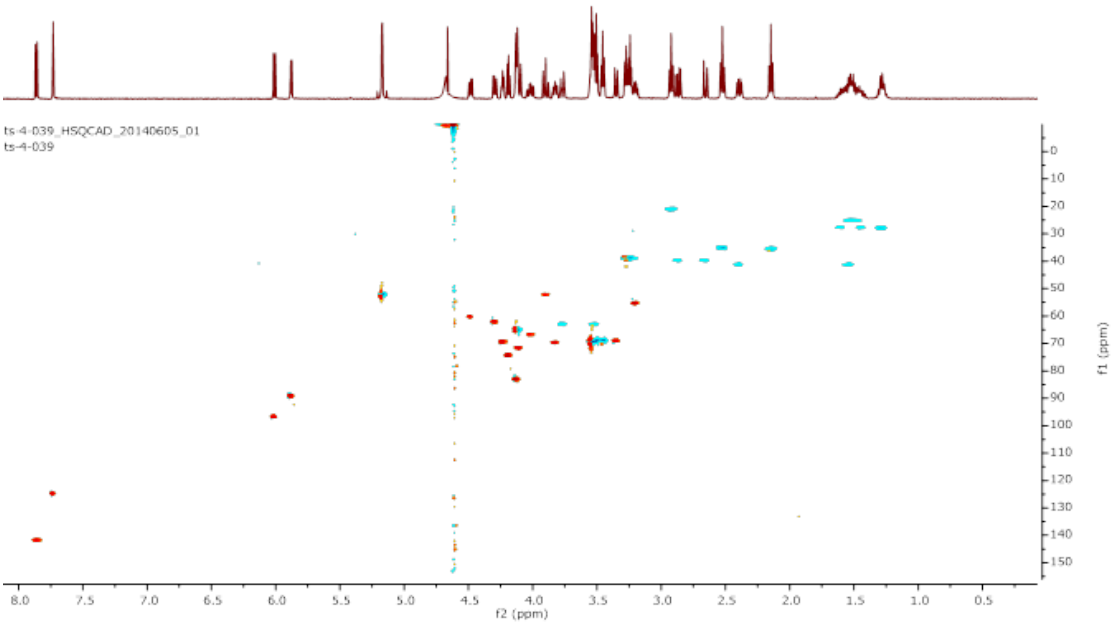

ts-4-028_PRESAT_20140523_01
ts-4-028
f1 (ppm)

Compound 2

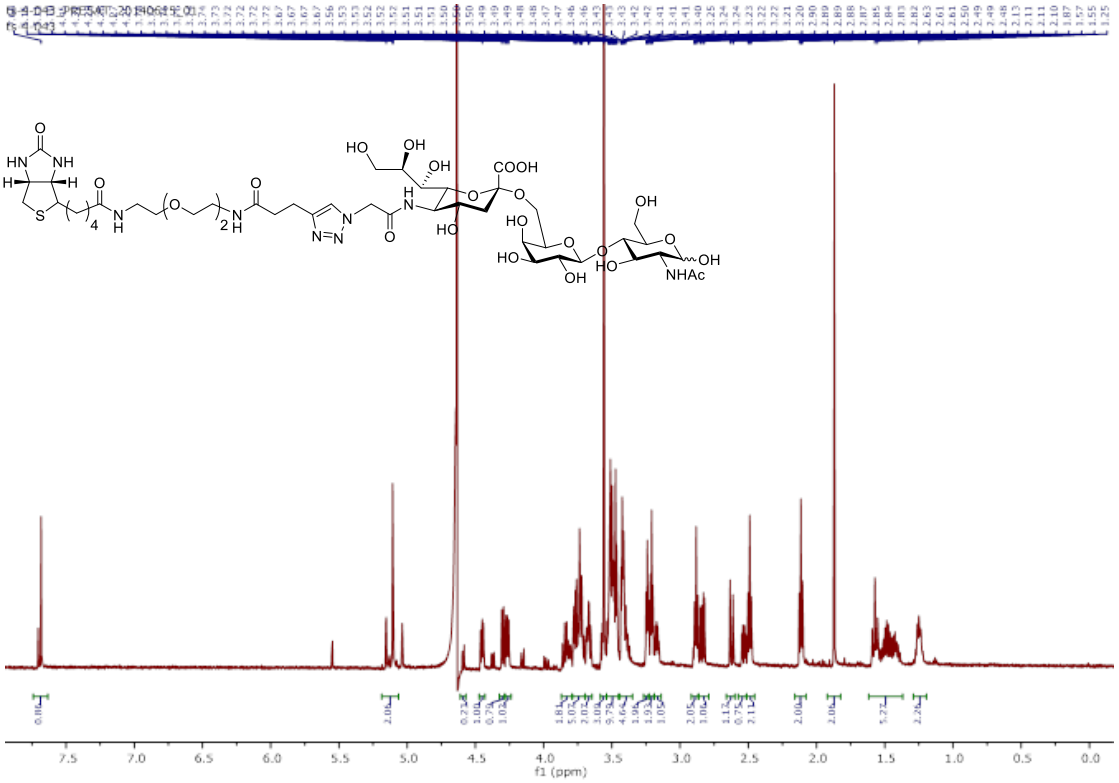


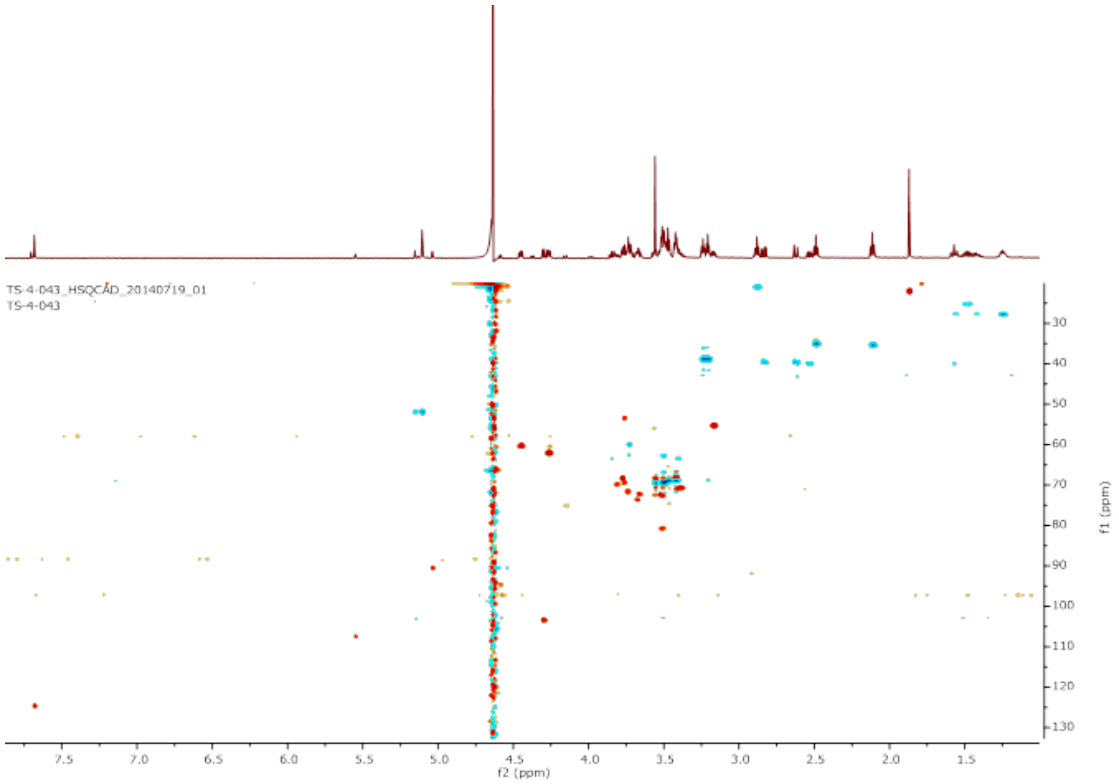
HO
OH
OH
OCMP
COOH
HO
HN
NH
S
N
H
O
N=N


f1 (ppm)

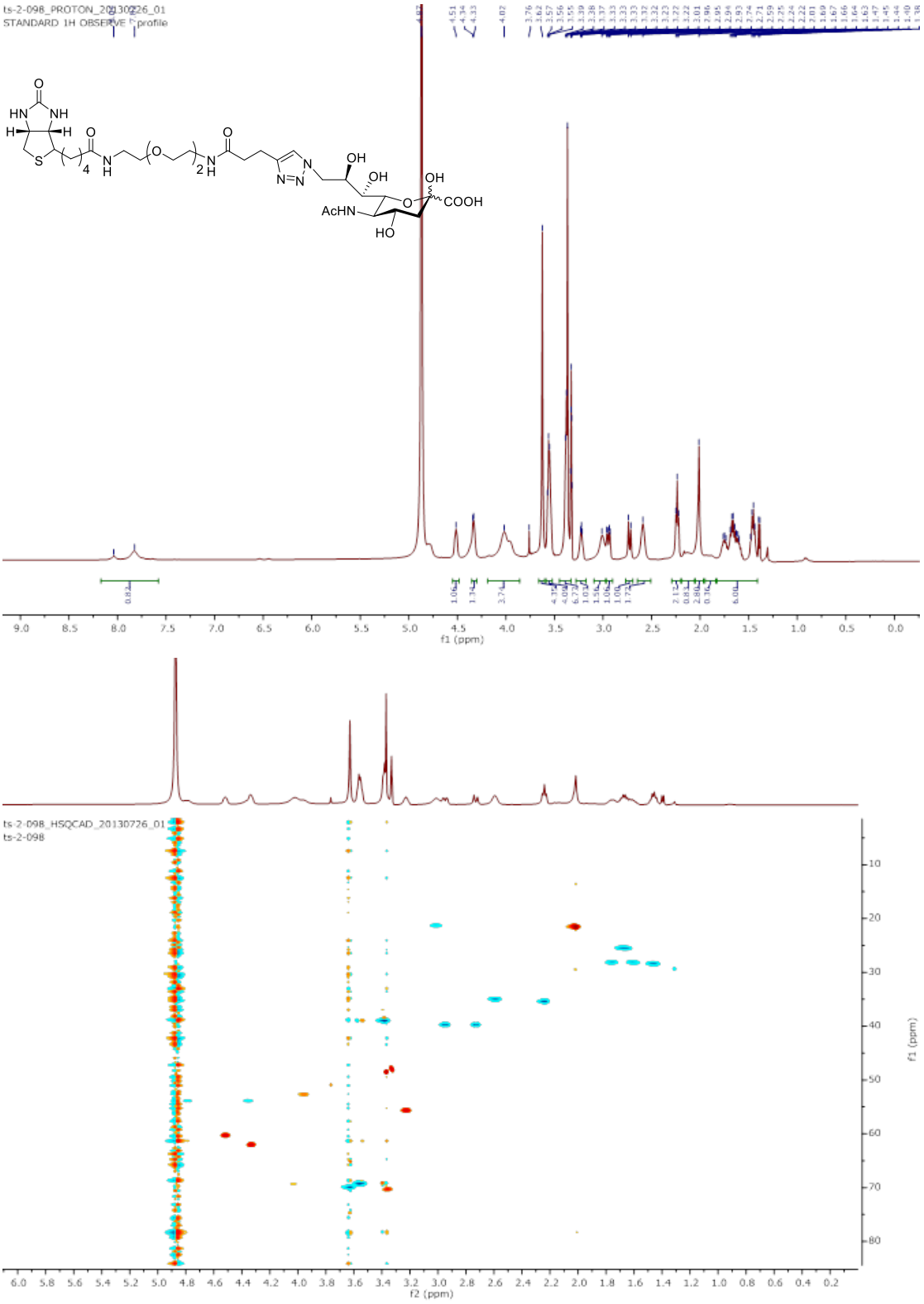

ts-4-039_HSQCAD_20140605_01
ts-4-039
f2 (ppm)
f1 (ppm)

Biotinyl-Neu5Acα(2,6)Galβ(1,4)GlcNAc (9S)

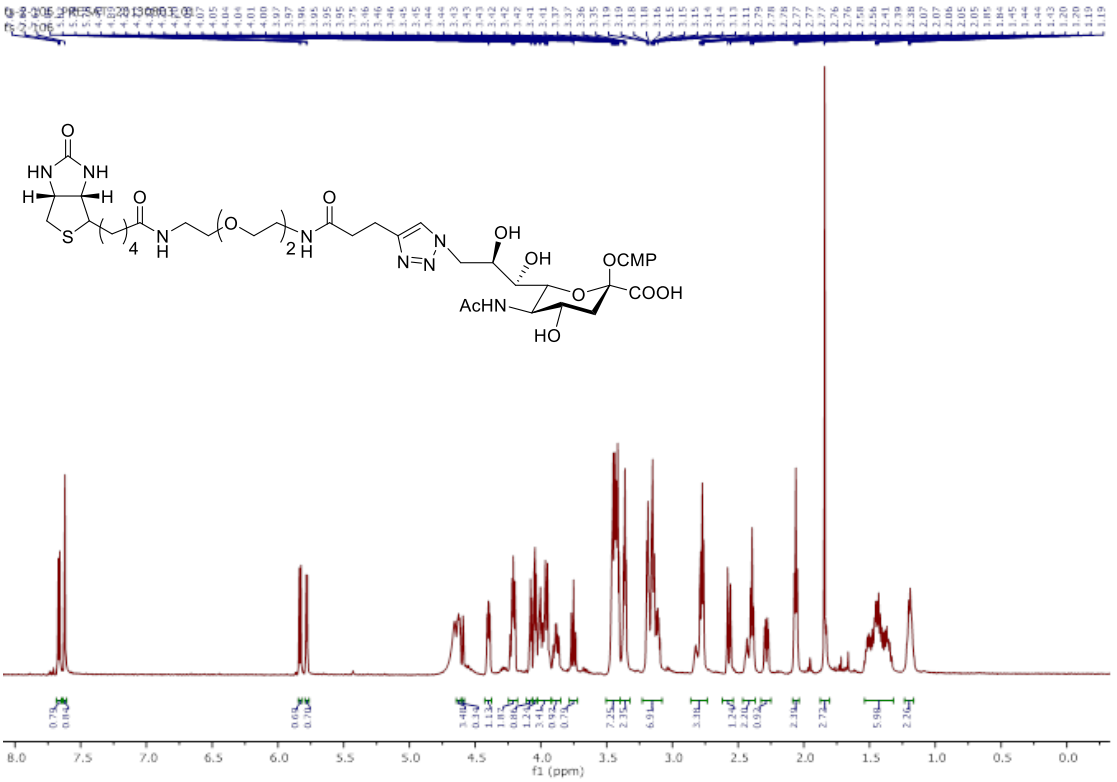


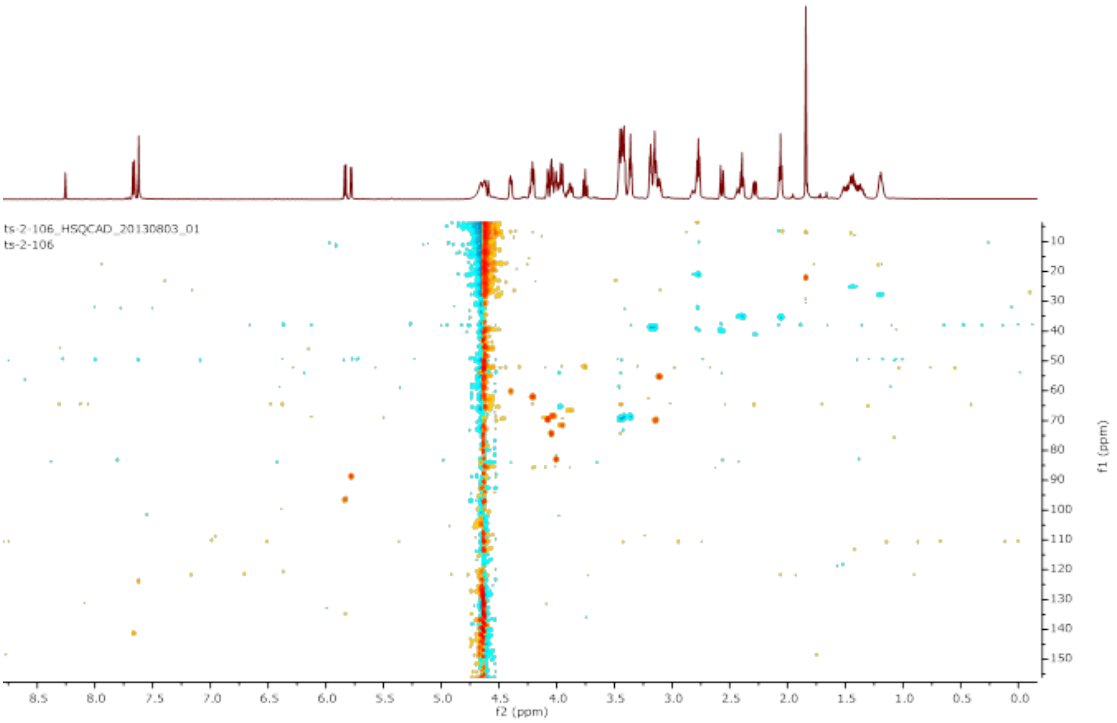


Compound 9


ts-2-098_PROTON_20130726_01
STANDARD 1H OBSERVE profile
f1 (ppm)
ts-2-098_HSQCAD_20130726_01
ts-2-098
f2 (ppm)
f1 (ppm)

Compound 3


HN
NH
H
H
O
S
4
N
H
O
2
N
H
O
N
N
OH
OH
OCMP
COOH
AcHN
HO
f1 (ppm)


ts-2-106_HSQCAD_20130803_01
ts-2-106
f2 (ppm)
f1 (ppm)

Biotinyl-Neu9N$_3$α(2,6)Galβ(1,4)GlcNAc (10S)