

Top 100
hits
upregulated in
proteome
of T-47D
DSG2
KO#1 cells
compared
to WT

Accession	Description	KO1 repl.	WT repl.	logFC	FC	P.Value	adj.P.Val
P61812	Transforming growth factor beta-2 proprotein (Cetermin) (Glioblastoma-derived T-cell suppressor factor) (G-TSF) [Cleaved into: Latency-associated peptide (LAP)]	5	5	6,01	64,60	0,000	0,000
P06276	Cholinesterase (EC 3.1.1.8) (Acylcholine acylhydrolase) (Butyrylcholine esterase) (Choline esterase II) (Pseudocholinesterase)	5	5	5,30	39,35	0,000	0,000
Q9HD64	X antigen family member 1 (XAGE-1) (Cancer/testis antigen 12.1) (CT12.1) (G antigen family D member 2)	5	5	5,29	39,02	0,000	0,000
Q8IUK8	Cerebellin-2	5	5	5,26	38,45	0,000	0,000
P11532	Dystrophin	5	5	5,22	37,24	0,000	0,000
P05109	Protein S100-A8 (Calgranulin-A) (Calprotectin L1L subunit) (Cystic fibrosis antigen) (CFAG) (Leukocyte L1 complex light chain) (Migration inhibitory factor-related protein 8) (MRP-8) (p8) (S100 calcium-binding protein A8) (Urinary stone protein band A)	5	5	5,05	33,17	0,000	0,000
Q9HCH5	Synaptotagmin-like protein 2 (Breast cancer-associated antigen SGA-72M) (Exophilin-4)	5	5	4,74	26,68	0,000	0,000
Q9H568	Actin-like protein 8 (Cancer/testis antigen 57) (CT57)	5	5	4,73	26,61	0,000	0,000
P17252	Protein kinase C alpha type (PKC-A) (PKC-alpha) (EC 2.7.11.13)	5	5	4,67	25,50	0,000	0,000

P42330	Aldo-keto reductase family 1 member C3 (EC 1.1.1.-) (EC 1.1.1.210) (EC 1.1.1.53) (EC 1.1.1.62) (17-beta-hydroxysteroid dehydrogenase type 5) (17-beta-HSD 5) (3-alpha-HSD type II, brain) (3-alpha-hydroxysteroid dehydrogenase type 2) (3-alpha-HSD type 2) (EC 1.1.1.357) (Chlordecone reductase homolog HAKRb) (Dihydrodiol dehydrogenase 3) (DD-3) (DD3) (Dihydrodiol dehydrogenase type I) (HA1753) (Prostaglandin F synthase) (PGFS) (EC 1.1.1.188) (Testosterone 17-beta-dehydrogenase 5) (EC 1.1.1.239, EC 1.1.1.64)	5	5	4,62	24,62	0,000	0,002
Q86X51	EZH inhibitory protein	5	5	4,50	22,70	0,000	0,000
P06702	Protein S100-A9 (Calgranulin-B) (Calprotectin L1H subunit) (Leukocyte L1 complex heavy chain) (Migration inhibitory factor-related protein 14) (MRP-14) (p14) (S100 calcium-binding protein A9)	5	5	4,44	21,72	0,000	0,000
P00973	2'-5'-oligoadenylate synthase 1 ((2-5')oligo(A) synthase 1) (2-5A synthase 1) (EC 2.7.7.84) (E18/E16) (p46/p42 OAS)	5	5	4,42	21,35	0,000	0,000
Q5SRE7	Phytanoyl-CoA dioxygenase domain-containing protein 1 (Protein PHYHD1) (EC 1.14.11.-)	5	5	4,38	20,81	0,000	0,000
Q9UBF1	Melanoma-associated antigen C2 (Cancer/testis antigen 10) (CT10) (Hepatocellular carcinoma-associated antigen 587) (MAGE-C2 antigen) (MAGE-E1 antigen)	5	5	4,26	19,20	0,000	0,000
P01903	HLA class II histocompatibility antigen, DR alpha chain (MHC class II antigen DRA)	5	5	4,25	19,02	0,000	0,000
Q9BZ11	Iroquois-class homeodomain protein IRX-2 (Homeodomain protein IRXA2) (Iroquois homeobox protein 2)	5	5	4,18	18,09	0,000	0,001
P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1 (Voltage-gated calcium channel subunit alpha-2/delta-1) [Cleaved into: Voltage-dependent calcium channel subunit alpha-2-1	5	5	4,17	17,98	0,000	0,000
P07195	L-lactate dehydrogenase B chain (LDH-B) (EC 1.1.1.27) (LDH heart subunit) (LDH-H) (Renal carcinoma antigen NY-REN-46)	5	5	4,17	17,96	0,000	0,000
P12882	Myosin-1 (Myosin heavy chain 1) (Myosin heavy chain 2x) (MyHC-2x) (Myosin heavy chain IIx/d) (MyHC-IIx/d) (Myosin heavy chain, skeletal muscle, adult 1)	5	5	4,14	17,66	0,002	0,005
P41226	Ubiquitin-like modifier-activating enzyme 7 (Ubiquitin-activating enzyme 7) (EC 6.2.1.-) (D8) (Ubiquitin-activating enzyme E1 homolog)	5	5	4,14	17,60	0,000	0,000
P15259	Phosphoglycerate mutase 2 (EC 5.4.2.11) (EC 5.4.2.4) (BPG-dependent PGAM 2) (Muscle-specific phosphoglycerate mutase) (Phosphoglycerate mutase isozyme M) (PGAM-M)	5	5	4,13	17,55	0,000	0,000

Q9GZY0	Nuclear RNA export factor 2 (Cancer/testis antigen 39) (CT39) (TAP-like protein 2) (TAPL-2)	5	5	4,02	16,28	0,000	0,000
Q9H257	Caspase recruitment domain-containing protein 9 (hCARD9)	5	5	4,00	16,03	0,000	0,000
Q86SK9	Stearoyl-CoA desaturase 5 (EC 1.14.19.1) (Acyl-CoA-desaturase 4) (HSCD5) (Stearoyl-CoA 9-desaturase) (Stearoyl-CoA desaturase 2)	5	5	4,00	15,97	0,000	0,000
P07951	Tropomyosin beta chain (Beta-tropomyosin) (Tropomyosin-2)	5	5	3,95	15,41	0,000	0,000
P42772	Cyclin-dependent kinase 4 inhibitor B (Multiple tumor suppressor 2) (MTS-2) (p14-INK4b) (p15-INK4b) (p15INK4B)	5	5	3,93	15,27	0,000	0,001
Q7L266	Isoaspartyl peptidase/L-asparaginase (EC 3.4.19.5) (EC 3.5.1.1) (Asparaginase-like protein 1) (Beta-aspartyl-peptidase) (Isoaspartyl dipeptidase) (L-asparagine amidohydrolase) [Cleaved into: Isoaspartyl peptidase/L-asparaginase alpha chain	5	5	3,92	15,14	0,000	0,000
O00635	E3 ubiquitin-protein ligase TRIM38 (EC 2.3.2.27) (RING finger protein 15) (Tripartite motif-containing protein 38) (Zinc finger protein RoRet)	5	5	3,75	13,42	0,000	0,000
P22676	Calretinin (CR) (29 kDa calbindin)	5	5	3,73	13,24	0,001	0,003
Q92753	Nuclear receptor ROR-beta (Nuclear receptor RZR-beta) (Nuclear receptor subfamily 1 group F member 2) (Retinoid-related orphan receptor-beta)	5	5	3,71	13,08	0,000	0,000
P48066	Sodium- and chloride-dependent GABA transporter 3 (GAT-3) (Solute carrier family 6 member 11)	5	5	3,69	12,94	0,000	0,000
P47895	Retinaldehyde dehydrogenase 3 (RALDH-3) (RaIDH3) (EC 1.2.1.36) (Aldehyde dehydrogenase 6) (Aldehyde dehydrogenase family 1 member A3) (ALDH1A3)	5	5	3,69	12,89	0,000	0,000
O00622	CCN family member 1 (Cellular communication network factor 1) (Cysteine-rich angiogenic inducer 61) (Insulin-like growth factor-binding protein 10) (IBP-10) (IGF-binding protein 10) (IGFBP-10) (Protein CYR61) (Protein GIG1)	5	5	3,68	12,82	0,000	0,002
Q6P3W6	Neuroblastoma breakpoint family member 10	5	5	3,66	12,62	0,000	0,000
Q9P291	Armadillo repeat-containing X-linked protein 1 (ARM protein lost in epithelial cancers on chromosome X 1) (Protein ALEX1)	5	5	3,64	12,50	0,000	0,000
P43363	Melanoma-associated antigen 10 (Cancer/testis antigen 1.10) (CT1.10) (MAGE-10 antigen)	5	5	3,64	12,45	0,000	0,000
O95263	High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B (HsPDE8B) (EC 3.1.4.53) (Cell proliferation-inducing gene 22 protein)	5	5	3,55	11,75	0,000	0,000
P32456	Guanylate-binding protein 2 (EC 3.6.5.-) (GTP-binding protein 2) (GBP-2) (HuGBP-2) (Guanine nucleotide-binding protein 2) (Interferon-induced guanylate-binding protein 2)	5	5	3,53	11,53	0,000	0,000

P33947	ER lumen protein-retaining receptor 2 (ERD2-like protein 1) (ELP-1) (KDEL endoplasmic reticulum protein retention receptor 2) (KDEL receptor 2)	5	5	3,52	11,46	0,000	0,001
P79483	HLA class II histocompatibility antigen, DR beta 3 chain (MHC class II antigen DRB3)	5	5	3,51	11,40	0,001	0,004
Q00534	Cyclin-dependent kinase 6 (EC 2.7.11.22) (Cell division protein kinase 6) (Serine/threonine-protein kinase PLSTIRE)	5	5	3,50	11,29	0,000	0,000
O14910	Protein lin-7 homolog A (Lin-7A) (hLin-7) (Mammalian lin-seven protein 1) (MAL5-1) (Tax interaction protein 33) (TIP-33) (Vertebrate lin-7 homolog 1) (Veli-1)	5	5	3,50	11,28	0,000	0,000
O00526	Uroplakin-2 (UP2) (Uroplakin II) (UPII)	5	5	3,49	11,27	0,000	0,000
Q5VWT5	FYN-binding protein 2 (Activation-dependent, raft-recruited ADAP-like phosphoprotein)	5	5	3,46	10,98	0,000	0,000
Q9UHE8	STEAP1 protein (Six-transmembrane epithelial antigen of prostate 1) V-set domain-containing T-cell activation inhibitor 1 (B7 homolog 4) (B7-H4)	5	5	3,44	10,89	0,000	0,001
Q7Z7D3	(B7h.5) (Immune costimulatory protein B7-H4) (Protein B7S1) (T-cell costimulatory molecule B7x)	5	5	3,36	10,30	0,000	0,000
P43355	Melanoma-associated antigen 1 (Antigen MZ2-E) (Cancer/testis antigen 1.1) (CT1.1) (MAGE-1 antigen)	5	5	3,34	10,10	0,000	0,000
P01911	HLA class II histocompatibility antigen, DRB1 beta chain (Human leukocyte antigen DRB1) (HLA-DRB1)	5	5	3,33	10,02	0,001	0,005
Q9H902	Receptor expression-enhancing protein 1 (Spastic paraplegia 31 protein)	5	5	3,27	9,62	0,000	0,000
Q9Y572	Receptor-interacting serine/threonine-protein kinase 3 (EC 2.7.11.1) (RIP-like protein kinase 3) (Receptor-interacting protein 3) (RIP-3)	5	5	3,19	9,16	0,000	0,000
Q14195	Dihydropyrimidinase-related protein 3 (DRP-3) (Collapsin response mediator protein 4) (CRMP-4) (Unc-33-like phosphoprotein 1) (ULIP-1)	5	5	3,16	8,91	0,000	0,000
P09914	Interferon-induced protein with tetratricopeptide repeats 1 (IFIT-1) (Interferon-induced 56 kDa protein) (IFI-56K) (P56)	5	5	3,12	8,67	0,000	0,000
O75525	KH domain-containing, RNA-binding, signal transduction-associated protein 3 (RNA-binding protein T-Star) (Sam68-like mammalian protein 2) (SLM-2) (Sam68-like phosphotyrosine protein)	5	5	3,11	8,63	0,000	0,001
O95832	Claudin-1 (Senescence-associated epithelial membrane protein)	5	5	3,08	8,43	0,000	0,000
Q16666	Gamma-interferon-inducible protein 16 (Ifi-16) (Interferon-inducible myeloid differentiation transcriptional activator)	5	5	3,06	8,36	0,000	0,000
O75436	Vacuolar protein sorting-associated protein 26A (Vesicle protein sorting 26A) (hVPS26)	5	5	3,05	8,28	0,001	0,004
Q29983	MHC class I polypeptide-related sequence A (MIC-A)	5	5	3,04	8,22	0,000	0,001

P35321	Cornifin-A (19 kDa pancornulin) (SPRK) (Small proline-rich protein IA) (SPR-IA)	5	5	3,04	8,21	0,000	0,001
Q8NFX7	Syntaxin-binding protein 6 (Amisyn)	5	5	2,97	7,83	0,000	0,000
P17813	Endoglin (CD antigen CD105)	5	5	2,96	7,79	0,000	0,000
Q9NZJ4	Sacsin (DnaJ homolog subfamily C member 29) (DNAJC29)	5	5	2,95	7,74	0,000	0,000
Q969T4	Ubiquitin-conjugating enzyme E2 E3 (EC 2.3.2.23) (E2 ubiquitin-conjugating enzyme E3) (UbcH9) (Ubiquitin carrier protein E3) (Ubiquitin-conjugating enzyme E2-23 kDa) (Ubiquitin-protein ligase E3)	5	5	2,93	7,64	0,000	0,001
P23508	Colorectal mutant cancer protein (Protein MCC)	5	5	2,92	7,59	0,000	0,000
P42771	Cyclin-dependent kinase inhibitor 2A (Cyclin-dependent kinase 4 inhibitor A) (CDK4I) (Multiple tumor suppressor 1) (MTS-1) (p16-INK4a) (p16-INK4) (p16INK4A)	5	5	2,92	7,58	0,000	0,000
A1A4S6	Rho GTPase-activating protein 10 (GTPase regulator associated with focal adhesion kinase 2) (GRAF2) (Graf-related protein 2) (Rho-type GTPase-activating protein 10)	5	5	2,90	7,49	0,000	0,000
P52895	Aldo-keto reductase family 1 member C2 (EC 1.-.-.-) (EC 1.1.1.112) (EC 1.1.1.209) (EC 1.1.1.53) (EC 1.1.1.62) (EC 1.3.1.20) (3-alpha-HSD3) (Chlordecone reductase homolog HAKRD) (Dihydrodiol dehydrogenase 2) (DD-2) (DD2) (Dihydrodiol dehydrogenase/bile acid-binding protein) (DD/BABP) (Type III 3-alpha-hydroxysteroid dehydrogenase) (EC 1.1.1.357)	5	5	2,89	7,44	0,000	0,000
A6NER3	G antigen 12J (GAGE-12J)	5	5	2,89	7,40	0,000	0,000
Q6P3W6	Neuroblastoma breakpoint family member 10	5	5	2,87	7,33	0,000	0,000
O15480	Melanoma-associated antigen B3 (MAGE-B3 antigen)	5	5	2,84	7,18	0,000	0,000
Q7Z7L1	Schlafen family member 11 (EC 3.6.-.-)	5	5	2,83	7,13	0,000	0,000
Q9NRJ3	C-C motif chemokine 28 (Mucosae-associated epithelial chemokine) (MEC) (Protein CCK1) (Small-inducible cytokine A28)	5	5	2,83	7,11	0,000	0,000
P17026	Zinc finger protein 22 (Zinc finger protein KOX15) (Zinc finger protein Krox-26)	5	5	2,76	6,78	0,000	0,001
P09917	Polyunsaturated fatty acid 5-lipoxygenase (EC 1.13.11.-) (Arachidonate 5-lipoxygenase) (5-LO) (5-lipoxygenase) (EC 1.13.11.34)	5	5	2,75	6,71	0,001	0,004
Q9Y6M1	Insulin-like growth factor 2 mRNA-binding protein 2 (IGF2 mRNA-binding protein 2) (IMP-2) (Hepatocellular carcinoma autoantigen p62) (IGF-II mRNA-binding protein 2) (VICKZ family member 2)	5	5	2,71	6,53	0,000	0,000
Q92597	Protein NDRG1 (Differentiation-related gene 1 protein) (DRG-1) (N-myc downstream-regulated gene 1 protein) (Nickel-specific induction protein Cap43) (Reducing agents and tunicamycin-responsive protein) (RTP) (Rit42)	5	5	2,65	6,27	0,000	0,000
P47712	Cytosolic phospholipase A2 (cPLA2) (Phospholipase A2 group IVA) [Includes: Phospholipase A2 (EC 3.1.1.4) (Phosphatidylcholine 2-acylhydrolase)	5	5	2,63	6,18	0,000	0,000

P07476	Involucrin	5	5	2,59	6,02	0,000	0,000
O15455	Toll-like receptor 3 (CD antigen CD283)	5	5	2,58	5,99	0,000	0,000
Q15048	Leucine-rich repeat-containing protein 14	5	5	2,56	5,89	0,000	0,000
Q96CX6	Leucine-rich repeat-containing protein 58	5	5	2,54	5,81	0,000	0,001
Q9Y6Q2	Stonin-1 (Stoned B-like factor)	5	5	2,54	5,80	0,000	0,000
O14879	Interferon-induced protein with tetratricopeptide repeats 3 (IFIT-3) (CIG49) (ISG-60) (Interferon-induced 60 kDa protein) (IFI-60K) (Interferon-induced protein with tetratricopeptide repeats 4) (IFIT-4) (Retinoic acid-induced gene G protein) (P60) (RIG-G)	5	5	2,53	5,77	0,000	0,000
P42330	Aldo-keto reductase family 1 member C3 (EC 1.1.1.-) (EC 1.1.1.210) (EC 1.1.1.53) (EC 1.1.1.62) (17-beta-hydroxysteroid dehydrogenase type 5) (17-beta-HSD 5) (3-alpha-HSD type II, brain) (3-alpha-hydroxysteroid dehydrogenase type 2) (3-alpha-HSD type 2) (EC 1.1.1.357) (Chlordecone reductase homolog HAKRb) (Dihydrodiol dehydrogenase 3) (DD-3) (DD3) (Dihydrodiol dehydrogenase type I) (HA1753) (Prostaglandin F synthase) (PGFS) (EC 1.1.1.188) (Testosterone 17-beta-dehydrogenase 5) (EC 1.1.1.239, EC 1.1.1.64)	5	5	2,52	5,74	0,000	0,000
P84157	Matrix-remodeling-associated protein 7	5	5	2,52	5,73	0,003	0,009
P15408	Fos-related antigen 2 (FRA-2)	5	5	2,51	5,69	0,000	0,001
P43355	Melanoma-associated antigen 1 (Antigen MZ2-E) (Cancer/testis antigen 1.1) (CT1.1) (MAGE-1 antigen)	5	5	2,48	5,57	0,000	0,000
Q8IXL7	Methionine-R-sulfoxide reductase B3 (Msrb3) (EC 1.8.4.12) (EC 1.8.4.14)	5	5	2,43	5,40	0,000	0,000
Q9BRV3	Sugar transporter SWEET1 (HsSWEET1) (RAG1-activating protein 1) (Solute carrier family 50 member 1) (Stromal cell protein)	5	5	2,43	5,38	0,000	0,000
P32455	Guanylate-binding protein 1 (EC 3.6.1.-) (EC 3.6.5.-) (GTP-binding protein 1) (GBP-1) (HuGBP-1) (hGBP1) (Guanine nucleotide-binding protein 1) (Interferon-induced guanylate-binding protein 1)	5	5	2,43	5,37	0,000	0,000
Q9H6X2	Anthrax toxin receptor 1 (Tumor endothelial marker 8)	5	5	2,42	5,35	0,000	0,001
Q6PCE3	Glucose 1,6-bisphosphate synthase (EC 2.7.1.106) (PMMLP) (Phosphoglucomutase-2-like 1)	5	5	2,39	5,24	0,000	0,000
Q8TF42	Ubiquitin-associated and SH3 domain-containing protein B (EC 3.1.3.48) (Cbl-interacting protein p70) (Suppressor of T-cell receptor signaling 1) (STS-1) (T-cell ubiquitin ligand 2) (TULA-2) (Tyrosine-protein phosphatase STS1/TULA2)	5	5	2,39	5,24	0,000	0,000
P42229	Signal transducer and activator of transcription 5A	5	5	2,38	5,19	0,000	0,001
O60282	Kinesin heavy chain isoform 5C (EC 3.6.4.-) (Kinesin heavy chain neuron-specific 2) (Kinesin-1)	5	5	2,38	5,19	0,000	0,000

P04035	3-hydroxy-3-methylglutaryl-coenzyme A reductase (HMG-CoA reductase) (EC 1.1.1.34)	5	5	2,36	5,12	0,000	0,001
Q96JA3	Pleckstrin homology domain-containing family A member 8 (PH domain-containing family A member 8) (Phosphatidylinositol-four-phosphate adapter protein 2) (FAPP-2) (Phosphoinositol 4-phosphate adapter protein 2) (hFAPP2) (Serologically defined breast cancer antigen NY-BR-86)	5	5	2,34	5,08	0,002	0,006
Q9BX66	Sorbin and SH3 domain-containing protein 1 (Ponsin) (SH3 domain protein 5) (SH3P12) (c-Cbl-associated protein) (CAP)	5	5	2,34	5,07	0,000	0,000
Q14689	Disco-interacting protein 2 homolog A (DIP2 homolog A) (EC 6.2.1.1)	5	5	2,33	5,01	0,003	0,009
Q7L5L3	Lysophospholipase D GDPD3 (EC 3.1.4.-) (Glycerophosphodiester phosphodiesterase 7) (Glycerophosphodiester phosphodiesterase domain-containing protein 3)	5	5	2,31	4,95	0,000	0,000
Q7Z7K6	Centromere protein V (CENP-V) (Nuclear protein p30) (Proline-rich protein 6)	5	5	2,31	4,95	0,000	0,001

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Accession	Description	KO1 repl.	WT repl.	logFC	FC	P.Value	adj.P.Val
Q14126	Desmoglein-2 (Cadherin family member 5) (HDGC)	5	5	-6,56	0,01	0,000	0,000
Q07654	Trefoil factor 3 (Intestinal trefoil factor) (hITF) (Polypeptide P1.B) (hP1.B)	5	5	-6,34	0,01	0,000	0,000
Q86UR5	Regulating synaptic membrane exocytosis protein 1 (Rab-3-interacting molecule 1) (RIM 1) (Rab-3-interacting protein 2)	5	5	-5,95	0,02	0,000	0,000
Q8IXK2	Polypeptide N-acetylgalactosaminyltransferase 12 (EC 2.4.1.41) (Polypeptide GalNAc transferase 12) (GalNAc-T12) (pp-GaNTase 12) (Protein-UDP acetylgalactosaminyltransferase 12) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 12)	5	5	-5,46	0,02	0,000	0,000
Q9Y6N8	Cadherin-10 (T2-cadherin)	5	5	-5,24	0,03	0,000	0,000
P04155	Trefoil factor 1 (Breast cancer estrogen-inducible protein) (PNR-2) (Polypeptide P1.A) (hP1.A) (Protein pS2)	5	5	-5,22	0,03	0,000	0,000
Q9H3W5	Leucine-rich repeat neuronal protein 3 (Neuronal leucine-rich repeat protein 3) (NLRR-3)	5	5	-4,53	0,04	0,000	0,000
P06731	Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen) (CEA) (Meconium antigen 100) (CD antigen CD66e)	5	5	-4,31	0,05	0,000	0,000
P01137	Transforming growth factor beta-1 proprotein [Cleaved into: Latency-associated peptide (LAP)]	5	5	-4,07	0,06	0,000	0,000
O75387	Large neutral amino acids transporter small subunit 3 (L-type amino acid transporter 3) (Prostate cancer overexpressed gene 1 protein) (Solute carrier family 43 member 1)	5	5	-3,95	0,06	0,000	0,000

P01033	Metalloproteinase inhibitor 1 (Erythroid-potentiating activity) (EPA) (Fibroblast collagenase inhibitor) (Collagenase inhibitor) (Tissue inhibitor of metalloproteinases 1) (TIMP-1)	5	5	-3,90	0,07	0,000	0,000
Q9H808	Transducin-like enhancer protein 6	5	5	-3,87	0,07	0,000	0,000
Q13115	Dual specificity protein phosphatase 4 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase hVH2) (Mitogen-activated protein kinase phosphatase 2) (MAP kinase phosphatase 2) (MKP-2)	5	5	-3,86	0,07	0,000	0,000
Q8WW33	Gametocyte-specific factor 1 (Protein FAM112B)	5	5	-3,81	0,07	0,000	0,000
Q9H5Y7	SLIT and NTRK-like protein 6	5	5	-3,81	0,07	0,000	0,000
P48436	Transcription factor SOX-9	5	5	-3,78	0,07	0,000	0,000
P48539	Calmodulin regulator protein PCP4 (Brain-specific polypeptide PEP-19) (Purkinje cell protein 4)	5	5	-3,78	0,07	0,000	0,002
O95471	Claudin-7 (CLDN-7)	5	5	-3,70	0,08	0,000	0,001
P17600	Synapsin-1 (Brain protein 4.1) (Synapsin I)	5	5	-3,59	0,08	0,000	0,000
P04350	Tubulin beta-4A chain (Tubulin 5 beta) (Tubulin beta-4 chain)	5	5	-3,38	0,10	0,000	0,001
Q69YU3	Ankyrin repeat domain-containing protein 34A	5	5	-3,32	0,10	0,000	0,000
Q96BY6	Dedicator of cytokinesis protein 10 (Zizimin-3)	5	5	-3,31	0,10	0,000	0,000
P02751	Fibronectin (FN) (Cold-insoluble globulin) (CIG) [Cleaved into: Anastellin	5	5	-3,21	0,11	0,000	0,000
Q8IWU6	Extracellular sulfatase Sulf-1 (hSulf-1) (Arylsulfatase) (EC 3.1.6.1) (N-acetylglucosamine-6-sulfatase) (EC 3.1.6.14) [Cleaved into: Extracellular sulfatase Sulf-2 secreted form]	5	5	-3,18	0,11	0,000	0,000
P58557	Endoribonuclease YbeY (EC 3.1.-.-)	5	5	-3,14	0,11	0,002	0,007
A8MTT3	Protein CEBPZOS (CEBPZ antisense RNA 1) (CEBPZ opposite strand)	5	5	-3,08	0,12	0,001	0,004
Q8WWZ3	Ectodysplasin-A receptor-associated adapter protein (EDAR-associated death domain protein) (Protein crinkled homolog)	5	5	-3,08	0,12	0,001	0,003
O15438	ATP-binding cassette sub-family C member 3 (EC 7.6.2.-) (EC 7.6.2.2) (EC 7.6.2.3) (Canalicular multispecific organic anion transporter 2) (Multi-specific organic anion transporter D) (MOAT-D) (Multidrug resistance-associated protein 3)	5	5	-3,06	0,12	0,000	0,000
Q18PE1	Protein Dok-7 (Downstream of tyrosine kinase 7)	5	5	-2,96	0,13	0,001	0,005
Q8WU39	Marginal zone B- and B1-cell-specific protein (Mesenteric estrogen-dependent adipose 7) (MEDA-7) (Plasma cell-induced resident endoplasmic reticulum protein) (Plasma cell-induced resident ER protein) (pERp1) (Proapoptotic caspase adapter protein)	5	5	-2,96	0,13	0,000	0,000

P12821	Angiotensin-converting enzyme (ACE) (EC 3.4.15.1) (Dipeptidyl carboxypeptidase I) (Kininase II) (CD antigen CD143) [Cleaved into: Angiotensin-converting enzyme, soluble form]	5	5	-2,90	0,13	0,000	0,000
Q99424	Peroxisomal acyl-coenzyme A oxidase 2 (EC 1.17.99.3) (3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase) (3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA oxidase) (Trihydroxycoprostanoyl-CoA oxidase) (THCA-CoA oxidase) (THCCox)	5	5	-2,85	0,14	0,000	0,000
Q96ND0	Protein FAM210A	5	5	-2,84	0,14	0,000	0,001
P23297	Protein S100-A1 (S-100 protein alpha chain) (S-100 protein subunit alpha) (S100 calcium-binding protein A1)	5	5	-2,83	0,14	0,000	0,000
P16035	Metalloproteinase inhibitor 2 (CSC-21K) (Tissue inhibitor of metalloproteinases 2) (TIMP-2)	5	5	-2,82	0,14	0,000	0,001
O15488	Glycogenin-2 (GN-2) (GN2) (EC 2.4.1.186)	5	5	-2,81	0,14	0,000	0,000
Q96MK2	RIPOR family member 3	5	5	-2,80	0,14	0,000	0,000
Q96GX8	Uncharacterized protein C16orf74	5	5	-2,79	0,14	0,000	0,000
Q6UX71	Plexin domain-containing protein 2 (Tumor endothelial marker 7-related protein)	5	5	-2,78	0,15	0,000	0,000
P53370	Nucleoside diphosphate-linked moiety X motif 6 (Nudix motif 6) (EC 3.6.1.-) (Antisense basic fibroblast growth factor) (Protein GFG)	5	5	-2,75	0,15	0,002	0,008
Q5TAP6	U3 small nucleolar RNA-associated protein 14 homolog C	5	5	-2,71	0,15	0,002	0,006
P09211	Glutathione S-transferase P (EC 2.5.1.18) (GST class-pi) (GSTP1-1)	5	5	-2,67	0,16	0,001	0,003
Q15768	Ephrin-B3 (EPH-related receptor transmembrane ligand ELK-L3) (EPH-related receptor tyrosine kinase ligand 8) (LERK-8)	5	5	-2,64	0,16	0,000	0,001
O95255	ATP-binding cassette sub-family C member 6 (EC 7.6.2.-) (EC 7.6.2.3) (Anthracycline resistance-associated protein) (Multi-specific organic anion transporter E) (MOAT-E) (Multidrug resistance-associated protein 6)	5	5	-2,64	0,16	0,000	0,000
P10600	Transforming growth factor beta-3 proprotein [Cleaved into: Latency-associated peptide (LAP)]	5	5	-2,56	0,17	0,000	0,000
Q9C0H2	Protein tweety homolog 3 (hTTY3)	5	5	-2,55	0,17	0,000	0,000
Q7KYR7	Butyrophilin subfamily 2 member A1	5	5	-2,54	0,17	0,000	0,000
P43694	Transcription factor GATA-4 (GATA-binding factor 4)	5	5	-2,54	0,17	0,000	0,000
Q9H2E6	Semaphorin-6A (Semaphorin VIA) (Sema VIA) (Semaphorin-6A-1) (SEMA6A-1)	5	5	-2,51	0,18	0,000	0,001
Q7L0X0	TLR4 interactor with leucine rich repeats (Leucine-rich repeat-containing protein KIAA0644)	5	5	-2,50	0,18	0,000	0,000

Q9Y2B1	Ribitol-5-phosphate xylosyltransferase 1 (EC 2.4.2.61) (Transmembrane protein 5) (UDP-D-xylose:ribitol-5-phosphate beta1,4-xylosyltransferase)	5	5	-2,45	0,18	0,001	0,005
Q9H825	tRNA N(3)-methylcytidine methyltransferase METTL8, mitochondrial (EC 2.1.1.-) (Methyltransferase-like protein 8) (mRNA N(3)-methylcytidine methyltransferase METTL8) (EC 2.1.1.-)	5	5	-2,43	0,19	0,001	0,004
Q9H9Z2	Protein lin-28 homolog A (Lin-28A) (Zinc finger CCHC domain-containing protein 1)	5	5	-2,42	0,19	0,000	0,000
P08493	Matrix Gla protein (MGP) (Cell growth-inhibiting gene 36 protein)	5	5	-2,38	0,19	0,000	0,000
P31947	14-3-3 protein sigma (Epithelial cell marker protein 1) (Stratifin)	5	5	-2,31	0,20	0,001	0,004
O75369	Filamin-B (FLN-B) (ABP-278) (ABP-280 homolog) (Actin-binding-like protein) (Beta-filamin) (Filamin homolog 1) (Fh1) (Filamin-3) (Thyroid autoantigen) (Truncated actin-binding protein) (Truncated ABP)	5	5	-2,30	0,20	0,001	0,003
Q8TD06	Anterior gradient protein 3 (AG-3) (AG3) (hAG-3) (Anterior gradient 3 homolog) (Breast cancer membrane protein 11) (Protein disulfide isomerase family A, member 18)	5	5	-2,28	0,21	0,000	0,000
Q69YU5	Ubiquinol-cytochrome c reductase complex assembly factor 6 (Protein BRAWNIN)	5	5	-2,26	0,21	0,003	0,008
Q86UK0	Glucosylceramide transporter ABCA12 (EC 7.6.2.1) (ATP-binding cassette sub-family A member 12) (ATP-binding cassette transporter 12) (ATP-binding cassette 12)	5	5	-2,23	0,21	0,000	0,000
P27348	14-3-3 protein theta (14-3-3 protein T-cell) (14-3-3 protein tau) (Protein HS1)	5	5	-2,21	0,22	0,002	0,006
O95757	Heat shock 70 kDa protein 4L (Heat shock 70-related protein APG-1) (Heat-shock protein family A member 4-like protein) (HSPA4-like protein) (Osmotic stress protein 94)	5	5	-2,19	0,22	0,000	0,001
Q6NZY7	Cdc42 effector protein 5 (Binder of Rho GTPases 3)	5	5	-2,18	0,22	0,002	0,007
P14209	CD99 antigen (12E7) (E2 antigen) (Protein MIC2) (T-cell surface glycoprotein E2) (CD antigen CD99)	5	5	-2,17	0,22	0,000	0,001
Q9UL45	Biogenesis of lysosome-related organelles complex 1 subunit 6 (BLOC-1 subunit 6) (Pallid protein homolog) (Pallidin) (Syntaxin 13-interacting protein)	5	5	-2,11	0,23	0,000	0,002
P53803	DNA-directed RNA polymerases I, II, and III subunit RPABC4 (RNA polymerases I, II, and III subunit ABC4) (ABC10-alpha) (DNA-directed RNA polymerase II subunit K) (RNA polymerase II 7.0 kDa subunit) (RPB7.0) (RPB10alpha)	5	5	-2,11	0,23	0,003	0,009

Q9POV9	Septin-10	5	5	-2,11	0,23	0,000	0,000
Q86SF2	N-acetylgalactosaminyltransferase 7 (EC 2.4.1.41) (Polypeptide GalNAc transferase 7) (GalNAc-T7) (pp-GaNTase 7) (Protein-UDP acetylgalactosaminyltransferase 7) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 7)	5	5	-2,07	0,24	0,000	0,000
O95490	Adhesion G protein-coupled receptor L2 (Calcium-independent alpha-latrotoxin receptor 2) (CIRL-2) (Letrophilin homolog 1) (Letrophilin-2) (Lectomedin-1)	5	5	-2,05	0,24	0,000	0,000
Q8NC69	BTB/POZ domain-containing protein KCTD6 (KCASH3 protein) (Potassium channel tetramerization domain-containing protein 6)	5	5	-2,04	0,24	0,000	0,000
P60602	Reactive oxygen species modulator 1 (ROS modulator 1) (Epididymis tissue protein Li 175) (Glyrichin) (Mitochondrial targeting GxxxG motif protein) (MTGM) (Protein MGR2 homolog)	5	5	-2,03	0,24	0,001	0,004
Q9HCY8	Protein S100-A14 (S100 calcium-binding protein A14) (S114)	5	5	-2,02	0,25	0,000	0,000
Q08623	Pseudouridine-5'-phosphatase (EC 3.1.3.96) (Haloacid dehalogenase-like hydrolase domain-containing protein 1) (Haloacid dehalogenase-like hydrolase domain-containing protein 1A) (Protein GS1) (Pseudouridine-5'-monophosphatase) (5'-PsiMPase)	5	5	-1,97	0,26	0,002	0,006
Q86VR7	V-set and immunoglobulin domain-containing protein 10-like (VSIG10-like protein)	5	5	-1,97	0,26	0,000	0,000
Q96KC2	ADP-ribosylation factor-like protein 5B (ADP-ribosylation factor-like protein 8)	5	5	-1,92	0,26	0,000	0,000
Q96RU7	Tribbles homolog 3 (TRB-3) (Neuronal cell death-inducible putative kinase) (SINK) (p65-interacting inhibitor of NF-kappa-B)	5	5	-1,92	0,26	0,001	0,005
Q9H7J1	Protein phosphatase 1 regulatory subunit 3E	5	5	-1,91	0,27	0,000	0,000
P02792	Ferritin light chain (Ferritin L subunit)	5	5	-1,90	0,27	0,000	0,000
Q17R98	Zinc finger protein 827	5	5	-1,90	0,27	0,000	0,001
A6NCS6	Uncharacterized protein C2orf72	5	5	-1,90	0,27	0,003	0,009
Q6ZMP0	Thrombospondin type-1 domain-containing protein 4 (A disintegrin and metalloproteinase with thrombospondin motifs-like protein 6) (ADAMTS-like protein 6) (ADAMTSL-6)	5	5	-1,87	0,27	0,000	0,000
Q6ZRY4	RNA-binding protein with multiple splicing 2 (RNA binding protein, mRNA processing factor 2)	5	5	-1,85	0,28	0,000	0,001
O95716	Ras-related protein Rab-3D	5	5	-1,85	0,28	0,000	0,000
Q2KHM9	Protein moonraker (MNR) (OFD1- and FOPNL-interacting protein)	5	5	-1,83	0,28	0,000	0,000

O15427	Monocarboxylate transporter 4 (MCT 4) (Solute carrier family 16 member 3)	5	5	-1,83	0,28	0,000	0,000
Q9UGT4	Sushi domain-containing protein 2	5	5	-1,82	0,28	0,000	0,000
Q5TG30	Rho GTPase-activating protein 40 (Rho-type GTPase-activating protein 40)	5	5	-1,82	0,28	0,000	0,000
Q0VGL1	Ragulator complex protein LAMTOR4 (Late endosomal/lysosomal adaptor and MAPK and MTOR activator 4) [Cleaved into: Ragulator complex protein LAMTOR4, N-terminally processed]	5	5	-1,81	0,28	0,000	0,002
P16070	CD44 antigen (CDw44) (Epican) (Extracellular matrix receptor III) (ECMR-III) (GP90 lymphocyte homing/adhesion receptor) (HUTCH-I) (Heparan sulfate proteoglycan) (Hermes antigen) (Hyaluronate receptor) (Phagocytic glycoprotein 1) (PGP-1) (Phagocytic glycoprotein I) (PGP-I) (CD antigen CD44)	5	5	-1,79	0,29	0,000	0,000
P09429	High mobility group protein B1 (High mobility group protein 1) (HMG-1)	5	5	-1,77	0,29	0,001	0,004
Q9NVF9	Ethanolamine kinase 2 (EKI 2) (EC 2.7.1.82) (Ethanolamine kinase-like protein)	5	5	-1,77	0,29	0,001	0,003
Q9H1K4	Mitochondrial glutamate carrier 2 (GC-2) (Glutamate/H(+) symporter 2) (Solute carrier family 25 member 18)	5	5	-1,76	0,30	0,000	0,000
Q9HBL7	Plasminogen receptor (KT) (Plg-R(KT))	5	5	-1,73	0,30	0,000	0,000
O43194	G-protein coupled receptor 39	5	5	-1,72	0,30	0,001	0,002
Q9H1C7	Cysteine-rich and transmembrane domain-containing protein 1	5	5	-1,71	0,30	0,000	0,000
P22413	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 (E-NPP 1) (Membrane component chromosome 6 surface marker 1) (Phosphodiesterase I/nucleotide pyrophosphatase 1) (Plasma-cell membrane glycoprotein PC-1) [Cleaved into: Ectonucleotide pyrophosphatase/phosphodiesterase family member 1, secreted form] [Includes: Alkaline phosphodiesterase I (EC 3.1.4.1)]	5	5	-1,71	0,30	0,000	0,000
P32322	Pyrroline-5-carboxylate reductase 1, mitochondrial (P5C reductase 1) (P5CR 1) (EC 1.5.1.2)	5	5	-1,71	0,31	0,000	0,000
Q9Y257	Potassium channel subfamily K member 6 (Inward rectifying potassium channel protein TWIK-2) (TWIK-originated similarity sequence)	5	5	-1,68	0,31	0,002	0,007
P62306	Small nuclear ribonucleoprotein F (snRNP-F) (Sm protein F) (Sm-F) (SmF)	5	5	-1,66	0,32	0,001	0,003
O95340	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 2 (PAPS synthase 2) (PAPSS 2) (Sulfurylase kinase 2) (SK 2) (SK2) [Includes: Sulfate adenylyltransferase (EC 2.7.7.4) (ATP-sulfurylase) (Sulfate adenylylate transferase) (SAT)]	5	5	-1,65	0,32	0,000	0,000

Q15847	Adipogenesis regulatory factor (Adipogenesis factor rich in obesity) (Adipose most abundant gene transcript 2 protein) (Adipose-specific protein 2) (apM-2)	5	5	-1,65	0,32	0,000	0,001
Q5MNZ9	WD repeat domain phosphoinositide-interacting protein 1 (WIPI-1) (Atg18 protein homolog) (WD40 repeat protein interacting with phosphoinositides of 49 kDa) (WIPI 49 kDa)	5	5	-1,65	0,32	0,000	0,000

**Top 100
hits
upregulat
ed in
proteome
of T-47D
DSG2
KO#2 cells
compared
to WT**

Accession	Description	KO1 repl.	WT repl.	logFC	FC	P.Value	adj.P.Val
P61812	Transforming growth factor beta-2 proprotein (Cetermin) (Glioblastoma-derived T-cell suppressor factor) (G-TSF) [Cleaved into: Latency-associated peptide (LAP)]	5	5	5,68	51,23	0,000	0,000
P00973	2'-5'-oligoadenylate synthase 1 ((2-5')oligo(A) synthase 1) (2-5A synthase 1) (EC 2.7.7.84) (E18/E16) (p46/p42 OAS)	5	5	5,51	45,65	0,000	0,000
Q8TCB0	Interferon-induced protein 44 (p44) (Microtubule-associated protein 44)	5	5	5,47	44,35	0,000	0,000
Q9HC56	Protocadherin-9	5	5	5,29	39,03	0,000	0,000
Q9H257	Caspase recruitment domain-containing protein 9 (hCARD9)	5	5	5,17	36,10	0,000	0,000
P09914	Interferon-induced protein with tetratricopeptide repeats 1 (IFIT-1) (Interferon-induced 56 kDa protein) (IFI-56K) (P56)	5	5	5,03	32,72	0,000	0,000
Q9H568	Actin-like protein 8 (Cancer/testis antigen 57) (CT57)	5	5	4,79	27,67	0,000	0,000
P11532	Dystrophin	5	5	4,78	27,53	0,000	0,000
Q5SRE7	Phytanoyl-CoA dioxygenase domain-containing protein 1 (Protein PHYHD1) (EC 1.14.11.-)	5	5	4,73	26,48	0,000	0,000
P41226	Ubiquitin-like modifier-activating enzyme 7 (Ubiquitin-activating enzyme 7) (EC 6.2.1.-) (D8) (Ubiquitin-activating enzyme E1 homolog)	5	5	4,71	26,24	0,000	0,000
Q9HCH5	Synaptotagmin-like protein 2 (Breast cancer-associated antigen SGA-72M) (Exophilin-4)	5	5	4,63	24,69	0,000	0,000
Q9H6B1	Zinc finger protein 385D (Zinc finger protein 659)	5	5	4,62	24,67	0,000	0,000
Q9HD64	X antigen family member 1 (XAGE-1) (Cancer/testis antigen 12.1) (CT12.1) (G antigen family D member 2)	5	5	4,51	22,79	0,000	0,000
P01903	HLA class II histocompatibility antigen, DR alpha chain (MHC class II antigen DRA)	5	5	4,30	19,71	0,000	0,000

Q16666	Gamma-interferon-inducible protein 16 (Ifi-16) (Interferon-inducible myeloid differentiation transcriptional activator)	5	5	4,28	19,44	0,000	0,000
Q92753	Nuclear receptor ROR-beta (Nuclear receptor RZR-beta) (Nuclear receptor subfamily 1 group F member 2) (Retinoid-related orphan receptor-beta)	5	5	4,24	18,95	0,000	0,000
P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1 (Voltage-gated calcium channel subunit alpha-2/delta-1) [Cleaved into: Voltage-dependent calcium channel subunit alpha-2-1	5	5	4,19	18,20	0,000	0,000
P17252	Protein kinase C alpha type (PKC-A) (PKC-alpha) (EC 2.7.11.13)	5	5	4,15	17,74	0,000	0,000
P09913	Interferon-induced protein with tetratricopeptide repeats 2 (IFIT-2) (ISG-54 K) (Interferon-induced 54 kDa protein) (IFI-54K) (P54)	5	5	4,06	16,68	0,000	0,000
O14879	Interferon-induced protein with tetratricopeptide repeats 3 (IFIT-3) (CIG49) (ISG-60) (Interferon-induced 60 kDa protein) (IFI-60K) (Interferon-induced protein with tetratricopeptide repeats 4) (IFIT-4) (Retinoic acid-induced gene G protein) (P60) (RIG-G)	5	5	4,03	16,31	0,000	0,000
P48066	Sodium- and chloride-dependent GABA transporter 3 (GAT-3) (Solute carrier family 6 member 11)	5	5	4,03	16,28	0,000	0,000
Q15646	2'-5'-oligoadenylate synthase-like protein (2'-5'-OAS-related protein) (2'-5'-OAS-RP) (59 kDa 2'-5'-oligoadenylate synthase-like protein) (Thyroid receptor-interacting protein 14) (TR-interacting protein 14) (TRIP-14) (p59 OASL) (p59OASL)	5	5	4,00	16,05	0,000	0,000
Q9GZY0	Nuclear RNA export factor 2 (Cancer/testis antigen 39) (CT39) (TAP-like protein 2) (TAPL-2)	5	5	3,94	15,39	0,000	0,000
P47895	Retinaldehyde dehydrogenase 3 (RALDH-3) (RaIDH3) (EC 1.2.1.36) (Aldehyde dehydrogenase 6) (Aldehyde dehydrogenase family 1 member A3) (ALDH1A3)	5	5	3,92	15,14	0,000	0,000
P07195	L-lactate dehydrogenase B chain (LDH-B) (EC 1.1.1.27) (LDH heart subunit) (LDH-H) (Renal carcinoma antigen NY-REN-46)	5	5	3,82	14,08	0,000	0,000
P20591	Interferon-induced GTP-binding protein Mx1 (Interferon-induced protein p78) (IFI-78K) (Interferon-regulated resistance GTP-binding protein MxA) (Myxoma resistance protein 1) (Myxovirus resistance protein 1) [Cleaved into: Interferon-induced GTP-binding protein Mx1, N-terminally processed]	5	5	3,77	13,68	0,000	0,000
Q9Y6Q2	Stonin-1 (Stoned B-like factor)	5	5	3,70	12,97	0,000	0,000
Q8IV19	Nostrin (BM247 homolog) (Nitric oxide synthase traffic inducer) (Nitric oxide synthase trafficker) (eNOS-trafficking inducer)	5	5	3,65	12,57	0,000	0,001
P17813	Endoglin (CD antigen CD105)	5	5	3,64	12,48	0,000	0,000
Q6P3W6	Neuroblastoma breakpoint family member 10	5	5	3,63	12,41	0,000	0,000

O00526	Uroplakin-2 (UP2) (Uroplakin II) (UPII)	5	5	3,63	12,37	0,000	0,000
Q7Z7D3	V-set domain-containing T-cell activation inhibitor 1 (B7 homolog 4) (B7-H4) (B7h.5) (Immune costimulatory protein B7-H4) (Protein B7S1) (T-cell costimulatory molecule B7x)	5	5	3,59	12,03	0,000	0,000
Q00534	Cyclin-dependent kinase 6 (EC 2.7.11.22) (Cell division protein kinase 6) (Serine/threonine-protein kinase PLSTIRE)	5	5	3,56	11,82	0,000	0,000
P15408	Fos-related antigen 2 (FRA-2)	5	5	3,56	11,81	0,000	0,000
Q9BZ11	Iroquois-class homeodomain protein IRX-2 (Homeodomain protein IRXA2) (Iroquois homeobox protein 2)	5	5	3,56	11,76	0,000	0,002
O15455	Toll-like receptor 3 (CD antigen CD283)	5	5	3,52	11,45	0,000	0,000
O95263	High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B (HsPDE8B) (EC 3.1.4.53) (Cell proliferation-inducing gene 22 protein)	5	5	3,52	11,44	0,000	0,000
P05109	Protein S100-A8 (Calgranulin-A) (Calprotectin L1L subunit) (Cystic fibrosis antigen) (CFAG) (Leukocyte L1 complex light chain) (Migration inhibitory factor-related protein 8) (MRP-8) (p8) (S100 calcium-binding protein A8) (Urinary stone protein band A)	5	5	3,50	11,29	0,001	0,003
P42772	Cyclin-dependent kinase 4 inhibitor B (Multiple tumor suppressor 2) (MTS-2) (p14-INK4b) (p15-INK4b) (p15INK4B)	5	5	3,48	11,12	0,001	0,003
Q86SK9	Stearoyl-CoA desaturase 5 (EC 1.14.19.1) (Acyl-CoA-desaturase 4) (HSCD5) (Stearoyl-CoA 9-desaturase) (Stearoyl-CoA desaturase 2)	5	5	3,47	11,09	0,000	0,000
P42330	Aldo-keto reductase family 1 member C3 (EC 1.1.1.-) (EC 1.1.1.210) (EC 1.1.1.53) (EC 1.1.1.62) (17-beta-hydroxysteroid dehydrogenase type 5) (17-beta-HSD 5) (3-alpha-HSD type II, brain) (3-alpha-hydroxysteroid dehydrogenase type 2) (3-alpha-HSD type 2) (EC 1.1.1.357) (Chlordecone reductase homolog HAKRb) (Dihydrodiol dehydrogenase 3) (DD-3) (DD3) (Dihydrodiol dehydrogenase type I) (HA1753) (Prostaglandin F synthase) (PGFS) (EC 1.1.1.188) (Testosterone 17-beta-dehydrogenase 5) (EC 1.1.1.239, EC 1.1.1.64)	5	5	3,42	10,73	0,004	0,011
Q9BXD5	N-acetylneuraminate lyase (NALase) (EC 4.1.3.3) (N-acetylneuraminate pyruvate-lyase) (N-acetylneuraminic acid aldolase) (Sialate lyase) (Sialate-pyruvate lyase) (Sialic acid aldolase) (Sialic acid lyase)	5	5	3,39	10,50	0,001	0,003
P15259	Phosphoglycerate mutase 2 (EC 5.4.2.11) (EC 5.4.2.4) (BPG-dependent PGAM 2) (Muscle-specific phosphoglycerate mutase) (Phosphoglycerate mutase isozyme M) (PGAM-M)	5	5	3,38	10,42	0,000	0,000
P22676	Calretinin (CR) (29 kDa calbindin)	5	5	3,36	10,30	0,002	0,006

P43355	Melanoma-associated antigen 1 (Antigen MZ2-E) (Cancer/testis antigen 1.1) (CT1.1) (MAGE-1 antigen)	5	5	3,36	10,26	0,000	0,000
P79483	HLA class II histocompatibility antigen, DR beta 3 chain (MHC class II antigen DRB3)	5	5	3,35	10,23	0,002	0,005
P32456	Guanylate-binding protein 2 (EC 3.6.5.-) (GTP-binding protein 2) (GBP-2) (HuGBP-2) (Guanine nucleotide-binding protein 2) (Interferon-induced guanylate-binding protein 2)	5	5	3,34	10,12	0,000	0,000
Q7Z7L1	Schlafen family member 11 (EC 3.6.-.-)	5	5	3,31	9,89	0,000	0,000
Q9NRJ3	C-C motif chemokine 28 (Mucosae-associated epithelial chemokine) (MEC) (Protein CCK1) (Small-inducible cytokine A28)	5	5	3,21	9,24	0,000	0,000
P14061	17-beta-hydroxysteroid dehydrogenase type 1 (17-beta-HSD 1) (EC 1.1.1.51) (20 alpha-hydroxysteroid dehydrogenase) (20-alpha-HSD) (E2DH) (Estradiol 17-beta-dehydrogenase 1) (EC 1.1.1.62) (Placental 17-beta-hydroxysteroid dehydrogenase) (Short chain dehydrogenase/reductase family 28C member 1)	5	5	3,18	9,09	0,000	0,000
A1A4S6	Rho GTPase-activating protein 10 (GTPase regulator associated with focal adhesion kinase 2) (GRAF2) (Graf-related protein 2) (Rho-type GTPase-activating protein 10)	5	5	3,12	8,72	0,000	0,000
P01911	HLA class II histocompatibility antigen, DRB1 beta chain (Human leukocyte antigen DRB1) (HLA-DRB1)	5	5	3,12	8,71	0,002	0,006
P07951	Tropomyosin beta chain (Beta-tropomyosin) (Tropomyosin-2)	5	5	3,11	8,62	0,000	0,000
Q8TE85	Grainyhead-like protein 3 homolog (Sister of mammalian grainyhead) (Transcription factor CP2-like 4)	5	5	3,05	8,29	0,008	0,021
P06702	Protein S100-A9 (Calgranulin-B) (Calprotectin L1H subunit) (Leukocyte L1 complex heavy chain) (Migration inhibitory factor-related protein 14) (MRP-14) (p14) (S100 calcium-binding protein A9)	5	5	3,05	8,28	0,001	0,003
P43357	Melanoma-associated antigen 3 (Antigen MZ2-D) (Cancer/testis antigen 1.3) (CT1.3) (MAGE-3 antigen)	5	5	3,02	8,12	0,000	0,000
Q7L266	Isoaspartyl peptidase/L-asparaginase (EC 3.4.19.5) (EC 3.5.1.1) (Asparaginase-like protein 1) (Beta-aspartyl-peptidase) (Isoaspartyl dipeptidase) (L-asparagine amidohydrolase) [Cleaved into: Isoaspartyl peptidase/L-asparaginase alpha chain]	5	5	3,02	8,10	0,000	0,000
Q8NFX7	Syntaxin-binding protein 6 (Amisyn)	5	5	2,98	7,87	0,000	0,000
Q6P3W6	Neuroblastoma breakpoint family member 10	5	5	2,97	7,85	0,000	0,000
Q5VWT5	FYN-binding protein 2 (Activation-dependent, raft-recruited ADAP-like phosphoprotein)	5	5	2,96	7,80	0,000	0,000

Q8NHQ8	Ras association domain-containing protein 8 (Carcinoma-associated protein HOJ-1)	5	5	2,95	7,75	0,000	0,000
Q8IY21	Probable ATP-dependent RNA helicase DDX60 (EC 3.6.4.13) (DEAD box protein 60)	5	5	2,90	7,46	0,000	0,000
P29728	2'-5'-oligoadenylate synthase 2 ((2-5')oligo(A) synthase 2) (2-5A synthase 2) (EC 2.7.7.84) (p69 OAS / p71 OAS) (p69OAS / p71OAS)	5	5	2,90	7,46	0,000	0,000
O00635	E3 ubiquitin-protein ligase TRIM38 (EC 2.3.2.27) (RING finger protein 15) (Tripartite motif-containing protein 38) (Zinc finger protein RoRet)	5	5	2,89	7,43	0,000	0,000
P47712	Cytosolic phospholipase A2 (cPLA2) (Phospholipase A2 group IVA) [Includes: Phospholipase A2 (EC 3.1.1.4) (Phosphatidylcholine 2-acylhydrolase)]	5	5	2,89	7,42	0,000	0,000
Q9P291	Armadillo repeat-containing X-linked protein 1 (ARM protein lost in epithelial cancers on chromosome X 1) (Protein ALEX1)	5	5	2,87	7,33	0,000	0,000
P43355	Melanoma-associated antigen 1 (Antigen MZ2-E) (Cancer/testis antigen 1.1) (CT1.1) (MAGE-1 antigen)	5	5	2,86	7,26	0,000	0,000
Q14195	Dihydropyrimidinase-related protein 3 (DRP-3) (Collapsin response mediator protein 4) (CRMP-4) (Unc-33-like phosphoprotein 1) (ULIP-1)	5	5	2,84	7,18	0,000	0,000
Q9NZJ4	Sacsin (DnaJ homolog subfamily C member 29) (DNAJC29)	5	5	2,80	6,98	0,000	0,000
P05161	Ubiquitin-like protein ISG15 (Interferon-induced 15 kDa protein) (Interferon-induced 17 kDa protein) (IP17) (Ubiquitin cross-reactive protein) (hUCRP)	5	5	2,77	6,80	0,000	0,000
Q16526	Cryptochrome-1	5	5	2,75	6,71	0,000	0,001
Q5H9R4	Armadillo repeat-containing X-linked protein 4	5	5	2,74	6,67	0,000	0,000
O14910	Protein lin-7 homolog A (Lin-7A) (hLin-7) (Mammalian lin-seven protein 1) (MAL-1) (Tax interaction protein 33) (TIP-33) (Vertebrate lin-7 homolog 1) (Veli-1)	5	5	2,68	6,39	0,000	0,000
Q6AZY7	Scavenger receptor class A member 3 (Cellular stress response gene protein) Myosin light chain kinase, smooth muscle (MLCK) (smMLCK) (EC 2.7.11.18)	5	5	2,66	6,34	0,000	0,001
Q15746	(Kinase-related protein) (KRP) (Telokin) [Cleaved into: Myosin light chain kinase, smooth muscle, deglutamylated form]	5	5	2,64	6,25	0,000	0,000
O75436	Vacuolar protein sorting-associated protein 26A (Vesicle protein sorting 26A) (hVPS26)	5	5	2,64	6,23	0,003	0,008
A6NER3	G antigen 12J (GAGE-12J)	5	5	2,59	6,01	0,000	0,000
P36952	Serpin B5 (Maspin) (Peptidase inhibitor 5) (PI-5)	5	5	2,58	5,96	0,000	0,000
Q92597	Protein NDRG1 (Differentiation-related gene 1 protein) (DRG-1) (N-myc downstream-regulated gene 1 protein) (Nickel-specific induction protein Cap43) (Reducing agents and tunicamycin-responsive protein) (RTP) (Rit42)	5	5	2,56	5,89	0,000	0,000
Q96M89	Coiled-coil domain-containing protein 138	5	5	2,55	5,88	0,000	0,000

Q86X51	EZH inhibitory protein	5	5	2,55	5,84	0,000	0,000
Q9H6X2	Anthrax toxin receptor 1 (Tumor endothelial marker 8)	5	5	2,53	5,77	0,000	0,000
O60282	Kinesin heavy chain isoform 5C (EC 3.6.4.-) (Kinesin heavy chain neuron-specific 2) (Kinesin-1)	5	5	2,52	5,72	0,000	0,000
O15480	Melanoma-associated antigen B3 (MAGE-B3 antigen)	5	5	2,51	5,72	0,000	0,000
Q01628	Interferon-induced transmembrane protein 3 (Dispanin subfamily A member 2b) (DSPA2b) (Interferon-inducible protein 1-8U)	5	5	2,51	5,71	0,000	0,000
Q5K651	Sterile alpha motif domain-containing protein 9 (SAM domain-containing protein 9)	5	5	2,51	5,70	0,000	0,000
Q2M3V2	Ankyrin repeat domain-containing protein SOWAHA (Ankyrin repeat domain-containing protein 43) (Protein sosondowah homolog A)	5	5	2,51	5,69	0,000	0,000
P17026	Zinc finger protein 22 (Zinc finger protein KOX15) (Zinc finger protein Krox-26)	5	5	2,50	5,65	0,000	0,002
Q13554	Calcium/calmodulin-dependent protein kinase type II subunit beta (CaM kinase II subunit beta) (CaMK-II subunit beta) (EC 2.7.11.17)	5	5	2,50	5,64	0,002	0,007
P32455	Guanylate-binding protein 1 (EC 3.6.1.-) (EC 3.6.5.-) (GTP-binding protein 1) (GBP-1) (HuGBP-1) (hGBP1) (Guanine nucleotide-binding protein 1) (Interferon-induced guanylate-binding protein 1)	5	5	2,49	5,62	0,000	0,000
Q96CX6	Leucine-rich repeat-containing protein 58	5	5	2,48	5,60	0,000	0,001
Q8IXL7	Methionine-R-sulfoxide reductase B3 (MsrB3) (EC 1.8.4.12) (EC 1.8.4.14)	5	5	2,47	5,54	0,000	0,000
Q8ND56	Protein LSM14 homolog A (Protein FAM61A) (Protein SCD6 homolog) (Putative alpha-synuclein-binding protein) (AlphaSNBP) (RNA-associated protein 55A) (hRAP55) (hRAP55A)	5	5	2,46	5,51	0,004	0,012
Q99489	D-aspartate oxidase (DASOX) (DDO) (EC 1.4.3.1)	5	5	2,43	5,38	0,000	0,000
P35321	Cornifin-A (19 kDa pancornulin) (SPRK) (Small proline-rich protein IA) (SPR-IA)	5	5	2,41	5,31	0,001	0,003
P43357	Melanoma-associated antigen 3 (Antigen MZ2-D) (Cancer/testis antigen 1.3) (CT1.3) (MAGE-3 antigen)	5	5	2,41	5,30	0,001	0,003
Q9UHE8	STEAP1 protein (Six-transmembrane epithelial antigen of prostate 1)	5	5	2,39	5,25	0,004	0,010
Q96P50	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3 (Centaurin-beta-5) (Cnt-b5)	5	5	2,37	5,18	0,001	0,003
Q92613	Protein Jade-3 (Jade family PHD finger protein 3) (PHD finger protein 16)	5	5	2,37	5,18	0,005	0,014
P42771	Cyclin-dependent kinase inhibitor 2A (Cyclin-dependent kinase 4 inhibitor A) (CDK4I) (Multiple tumor suppressor 1) (MTS-1) (p16-INK4a) (p16-INK4) (p16INK4A)	5	5	2,35	5,11	0,000	0,000
P13796	Plastin-2 (L-plastin) (LC64P) (Lymphocyte cytosolic protein 1) (LCP-1)	5	5	2,34	5,06	0,008	0,020

**Top 100
hits
downregu
lated in
proteome
of T-47D
DSG2
KO#2 cells
compared
to WT**

Accession	Description	KO1 repl.	WT repl.	logFC	FC	P.Value	adj.P.Val
Q07654	Trefoil factor 3 (Intestinal trefoil factor) (hITF) (Polypeptide P1.B) (hP1.B)	5	5	-6,37	0,01	0,000	0,000
Q86UR5	Regulating synaptic membrane exocytosis protein 1 (Rab-3-interacting molecule 1) (RIM 1) (Rab-3-interacting protein 2)	5	5	-5,95	0,02	0,000	0,000
Q9Y6N8	Cadherin-10 (T2-cadherin)	5	5	-5,69	0,02	0,000	0,000
Q8WWZ3	Ectodysplasin-A receptor-associated adapter protein (EDAR-associated death domain protein) (Protein crinkled homolog)	5	5	-5,56	0,02	0,000	0,000
Q8IXK2	Polypeptide N-acetylgalactosaminyltransferase 12 (EC 2.4.1.41) (Polypeptide GalNAc transferase 12) (GalNAc-T12) (pp-GaNTase 12) (Protein-UDP acetylgalactosaminyltransferase 12) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 12)	5	5	-5,49	0,02	0,000	0,000
P04155	Trefoil factor 1 (Breast cancer estrogen-inducible protein) (PNR-2) (Polypeptide P1.A) (hP1.A) (Protein pS2)	5	5	-5,22	0,03	0,000	0,000
P01137	Transforming growth factor beta-1 proprotein [Cleaved into: Latency-associated peptide (LAP)]	5	5	-4,87	0,03	0,000	0,000
P06731	Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen) (CEA) (Meconium antigen 100) (CD antigen CD66e)	5	5	-4,84	0,03	0,000	0,000
Q13115	Dual specificity protein phosphatase 4 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase hVH2) (Mitogen-activated protein kinase phosphatase 2) (MAP kinase phosphatase 2) (MKP-2)	5	5	-4,35	0,05	0,000	0,000
P01033	Metalloproteinase inhibitor 1 (Erythroid-potentiating activity) (EPA) (Fibroblast collagenase inhibitor) (Collagenase inhibitor) (Tissue inhibitor of metalloproteinases 1) (TIMP-1)	5	5	-4,33	0,05	0,000	0,000

P19367	Hexokinase-1 (EC 2.7.1.1) (Brain form hexokinase) (Hexokinase type I) (HK I) (Hexokinase-A)	5	5	-4,31	0,05	0,003	0,008
P08493	Matrix Gla protein (MGP) (Cell growth-inhibiting gene 36 protein)	5	5	-4,23	0,05	0,000	0,000
Q9H3W5	Leucine-rich repeat neuronal protein 3 (Neuronal leucine-rich repeat protein 3) (NLRR-3)	5	5	-4,04	0,06	0,000	0,000
P04350	Tubulin beta-4A chain (Tubulin 5 beta) (Tubulin beta-4 chain)	5	5	-4,01	0,06	0,000	0,000
O75387	Large neutral amino acids transporter small subunit 3 (L-type amino acid transporter 3) (Prostate cancer overexpressed gene 1 protein) (Solute carrier family 43 member 1)	5	5	-4,01	0,06	0,000	0,000
Q9BSW7	Synaptotagmin-17 (Protein B/K) (Synaptotagmin XVII) (SytXVII)	5	5	-3,99	0,06	0,000	0,000
P46821	Microtubule-associated protein 1B (MAP-1B) [Cleaved into: MAP1B heavy chain	5	5	-3,96	0,06	0,001	0,004
P58557	Endoribonuclease YbeY (EC 3.1.-.-)	5	5	-3,89	0,07	0,000	0,002
Q8WW33	Gametocyte-specific factor 1 (Protein FAM112B)	5	5	-3,81	0,07	0,000	0,000
P17600	Synapsin-1 (Brain protein 4.1) (Synapsin I)	5	5	-3,78	0,07	0,000	0,000
P48436	Transcription factor SOX-9	5	5	-3,76	0,07	0,000	0,000
Q8WXB1	Protein N-lysine methyltransferase METTL21A (EC 2.1.1.-) (HSPA lysine methyltransferase) (HSPA-KMT) (Hepatocellular carcinoma-associated antigen 557b) (Methyltransferase-like protein 21A)	5	5	-3,75	0,07	0,008	0,019
P61647	Alpha-2,8-sialyltransferase 8F (EC 2.4.99.-) (Sialyltransferase 8F) (SIAT8-F) (Sialyltransferase St8Sia VI) (ST8SiaVI)	5	5	-3,73	0,08	0,000	0,000
Q8N2A8	Mitochondrial cardiolipin hydrolase (EC 3.1.4.-) (Choline phosphatase 6) (Mitochondrial phospholipase) (MitoPLD) (Phosphatidylcholine-hydrolyzing phospholipase D6) (Phospholipase D6) (PLD6) (Protein zucchini homolog)	5	5	-3,43	0,09	0,000	0,002
Q9H5Y7	SLIT and NTRK-like protein 6	5	5	-3,41	0,09	0,000	0,000
P48539	Calmodulin regulator protein PCP4 (Brain-specific polypeptide PEP-19) (Purkinje cell protein 4)	5	5	-3,37	0,10	0,001	0,004
Q9NR34	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IC (EC 3.2.1.113) (HMIC) (Mannosidase alpha class 1C member 1) (Processing alpha-1,2-mannosidase IC) (Alpha-1,2-mannosidase IC)	5	5	-3,33	0,10	0,001	0,003
P12821	Angiotensin-converting enzyme (ACE) (EC 3.4.15.1) (Dipeptidyl carboxypeptidase I) (Kininase II) (CD antigen CD143) [Cleaved into: Angiotensin-converting enzyme, soluble form]	5	5	-3,30	0,10	0,000	0,000
P02751	Fibronectin (FN) (Cold-insoluble globulin) (CIG) [Cleaved into: Anastellin	5	5	-3,27	0,10	0,000	0,000
O75493	Carbonic anhydrase-related protein 11 (CA-RP XI) (CA-XI) (CARP XI) (Carbonic anhydrase-related protein 2) (CA-RP II) (CARP-2)	5	5	-3,26	0,10	0,005	0,013

Q6UX71	Plexin domain-containing protein 2 (Tumor endothelial marker 7-related protein)	5	5	-3,19	0,11	0,000	0,000
Q9H808	Transducin-like enhancer protein 6	5	5	-3,14	0,11	0,000	0,000
Q8WU39	Marginal zone B- and B1-cell-specific protein (Mesenteric estrogen-dependent adipose 7) (MEDA-7) (Plasma cell-induced resident endoplasmic reticulum protein) (Plasma cell-induced resident ER protein) (pERp1) (Proapoptotic caspase adapter protein)	5	5	-3,14	0,11	0,000	0,000
P0C7V8	DDB1- and CUL4-associated factor 8-like protein 2 (WD repeat-containing protein 42C)	5	5	-3,13	0,11	0,000	0,000
Q5SZQ8	CUGBP Elav-like family member 3 (CELF-3) (Bruno-like protein 1) (CAG repeat protein 4) (CUG-BP- and ETR-3-like factor 3) (ELAV-type RNA-binding protein 1) (ETR-1) (Expanded repeat domain protein CAG/CTG 4) (RNA-binding protein BRUNOL-1) (Trinucleotide repeat-containing gene 4 protein)	5	5	-3,12	0,12	0,003	0,010
P20264	POU domain, class 3, transcription factor 3 (Brain-specific homeobox/POU domain protein 1) (Brain-1) (Brn-1) (Octamer-binding protein 8) (Oct-8) (Octamer-binding transcription factor 8) (OTF-8)	5	5	-3,10	0,12	0,000	0,001
Q9Y5G2	Protocadherin gamma-B2 (PCDH-gamma-B2)	5	5	-3,09	0,12	0,006	0,016
P43694	Transcription factor GATA-4 (GATA-binding factor 4)	5	5	-3,07	0,12	0,000	0,000
Q9NR82	Potassium voltage-gated channel subfamily KQT member 5 (KQT-like 5) (Potassium channel subunit alpha KvLQT5) (Voltage-gated potassium channel subunit Kv7.5)	5	5	-3,06	0,12	0,002	0,008
Q96BY6	Dedicator of cytokinesis protein 10 (Zizimin-3)	5	5	-2,93	0,13	0,000	0,000
Q9H2E6	Semaphorin-6A (Semaphorin VIA) (Sema VIA) (Semaphorin-6A-1) (SEMA6A-1)	5	5	-2,93	0,13	0,000	0,000
Q15768	Ephrin-B3 (EPH-related receptor transmembrane ligand ELK-L3) (EPH-related receptor tyrosine kinase ligand 8) (LERK-8)	5	5	-2,90	0,13	0,000	0,001
O15438	ATP-binding cassette sub-family C member 3 (EC 7.6.2.-) (EC 7.6.2.2) (EC 7.6.2.3) (Canalicular multispecific organic anion transporter 2) (Multi-specific organic anion transporter D) (MOAT-D) (Multidrug resistance-associated protein 3)	5	5	-2,90	0,13	0,000	0,000
Q7LOX0	TLR4 interactor with leucine rich repeats (Leucine-rich repeat-containing protein KIAA0644)	5	5	-2,87	0,14	0,000	0,000
P16035	Metalloproteinase inhibitor 2 (CSC-21K) (Tissue inhibitor of metalloproteinases 2) (TIMP-2)	5	5	-2,79	0,14	0,000	0,001
Q9HAP6	Protein lin-7 homolog B (Lin-7B) (hLin7B) (Mammalian lin-seven protein 2) (MAL-2) (Vertebrate lin-7 homolog 2) (Veli-2) (hVeli2)	5	5	-2,68	0,16	0,004	0,011
Q8IVL6	Prolyl 3-hydroxylase 3 (EC 1.14.11.7) (Leprecan-like protein 2) (Protein B)	5	5	-2,60	0,16	0,000	0,000

Q8NC69	BTB/POZ domain-containing protein KCTD6 (KCASH3 protein) (Potassium channel tetramerization domain-containing protein 6)	5	5	-2,57	0,17	0,000	0,000
Q8IWU6	Extracellular sulfatase Sulf-1 (hSulf-1) (Arylsulfatase) (EC 3.1.6.1) (N-acetylglucosamine-6-sulfatase) (EC 3.1.6.14) [Cleaved into: Extracellular sulfatase Sulf-2 secreted form]	5	5	-2,56	0,17	0,000	0,000
Q8IVW6	AT-rich interactive domain-containing protein 3B (ARID domain-containing protein 3B) (Bright and dead ringer protein) (Bright-like protein)	5	5	-2,55	0,17	0,002	0,005
P19544	Wilms tumor protein (WT33)	5	5	-2,50	0,18	0,009	0,021
P51606	N-acetylglucosamine 2-epimerase (AGE) (EC 5.1.3.8) (GlcNAc 2-epimerase) (N-acetyl-D-glucosamine 2-epimerase) (Renin-binding protein) (RnBP)	5	5	-2,49	0,18	0,001	0,004
P17181	Interferon alpha/beta receptor 1 (IFN-R-1) (IFN-alpha/beta receptor 1) (Cytokine receptor class-II member 1) (Cytokine receptor family 2 member 1) (CRF2-1) (Type I interferon receptor 1)	5	5	-2,49	0,18	0,007	0,017
O15488	Glycogenin-2 (GN-2) (GN2) (EC 2.4.1.186)	5	5	-2,48	0,18	0,000	0,000
Q7KYR7	Butyrophilin subfamily 2 member A1	5	5	-2,46	0,18	0,000	0,000
Q8TD06	Anterior gradient protein 3 (AG-3) (AG3) (hAG-3) (Anterior gradient 3 homolog) (Breast cancer membrane protein 11) (Protein disulfide isomerase family A, member 18)	5	5	-2,46	0,18	0,000	0,000
P68366	Tubulin alpha-4A chain (EC 3.6.5.-) (Alpha-tubulin 1) (Testis-specific alpha-tubulin) (Tubulin H2-alpha) (Tubulin alpha-1 chain)	5	5	-2,39	0,19	0,007	0,019
Q96J66	ATP-binding cassette sub-family C member 11 (EC 7.6.2.2) (EC 7.6.2.3) (Multidrug resistance-associated protein 8)	5	5	-2,38	0,19	0,000	0,000
Q96GX8	Uncharacterized protein C16orf74	5	5	-2,37	0,19	0,000	0,000
Q3MJ13	WD repeat-containing protein 72	5	5	-2,36	0,20	0,005	0,013
Q18PE1	Protein Dok-7 (Downstream of tyrosine kinase 7)	5	5	-2,34	0,20	0,007	0,018
O15427	Monocarboxylate transporter 4 (MCT 4) (Solute carrier family 16 member 3)	5	5	-2,33	0,20	0,000	0,000
P10600	Transforming growth factor beta-3 proprotein [Cleaved into: Latency-associated peptide (LAP)]	5	5	-2,33	0,20	0,000	0,000
P53370	Nucleoside diphosphate-linked moiety X motif 6 (Nudix motif 6) (EC 3.6.1.-) (Antisense basic fibroblast growth factor) (Protein GFG)	5	5	-2,31	0,20	0,007	0,019
Q8IXH6	Tumor protein p53-inducible nuclear protein 2 (Diabetes and obesity-regulated gene) (p53-inducible protein U) (PIG-U)	5	5	-2,31	0,20	0,003	0,010
Q86SF2	N-acetylgalactosaminyltransferase 7 (EC 2.4.1.41) (Polypeptide GalNAc transferase 7) (GalNAc-T7) (pp-GaNTase 7) (Protein-UDP acetylgalactosaminyltransferase 7) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 7)	5	5	-2,26	0,21	0,000	0,000

Q86VR7	V-set and immunoglobulin domain-containing protein 10-like (VSIG10-like protein)	5	5	-2,24	0,21	0,000	0,000
P53805	Calcipressin-1 (Adapt78) (Down syndrome critical region protein 1) (Myocyte-enriched calcineurin-interacting protein 1) (MCIP1) (Regulator of calcineurin 1)	5	5	-2,22	0,21	0,000	0,000
Q5MNZ9	WD repeat domain phosphoinositide-interacting protein 1 (WIPI-1) (Atg18 protein homolog) (WD40 repeat protein interacting with phosphoinositides of 49 kDa) (WIPI 49 kDa)	5	5	-2,21	0,22	0,000	0,000
O60229	Kalirin (EC 2.7.11.1) (Huntingtin-associated protein-interacting protein) (Protein Duo) (Serine/threonine-protein kinase with Dbl- and pleckstrin homology domain)	5	5	-2,21	0,22	0,001	0,003
Q8IY57	YY1-associated factor 2	5	5	-2,20	0,22	0,007	0,019
O95471	Claudin-7 (CLDN-7)	5	5	-2,20	0,22	0,010	0,023
P00846	ATP synthase subunit a (F-ATPase protein 6)	5	5	-2,15	0,23	0,004	0,012
Q86UK0	Glucosylceramide transporter ABCA12 (EC 7.6.2.1) (ATP-binding cassette sub-family A member 12) (ATP-binding cassette transporter 12) (ATP-binding cassette 12)	5	5	-2,12	0,23	0,000	0,000
O75781	Paralemmin-1 (Paralemmin)	5	5	-2,12	0,23	0,000	0,000
Q96A58	Ras-related and estrogen-regulated growth inhibitor (EC 3.6.5.2)	5	5	-2,11	0,23	0,000	0,000
Q9H7J1	Protein phosphatase 1 regulatory subunit 3E	5	5	-2,10	0,23	0,000	0,000
Q9UPW6	DNA-binding protein SATB2 (Special AT-rich sequence-binding protein 2)	5	5	-2,10	0,23	0,000	0,001
Q96KC2	ADP-ribosylation factor-like protein 5B (ADP-ribosylation factor-like protein 8)	5	5	-2,09	0,23	0,001	0,005
P02792	Ferritin light chain (Ferritin L subunit)	5	5	-2,09	0,24	0,000	0,000
Q9P0V9	Septin-10	5	5	-2,09	0,24	0,000	0,000
P09211	Glutathione S-transferase P (EC 2.5.1.18) (GST class-pi) (GSTP1-1)	5	5	-2,08	0,24	0,005	0,013
O94910	Adhesion G protein-coupled receptor L1 (Calcium-independent alpha-latrotoxin receptor 1) (CIRL-1) (Latrophilin-1) (Lectomedin-2)	5	5	-2,08	0,24	0,004	0,011
Q6ZRY4	RNA-binding protein with multiple splicing 2 (RNA binding protein, mRNA processing factor 2)	5	5	-2,06	0,24	0,000	0,000
Q14192	Four and a half LIM domains protein 2 (FHL-2) (LIM domain protein DRAL) (Skeletal muscle LIM-protein 3) (SLIM-3)	5	5	-2,03	0,25	0,000	0,000

Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 (E-NPP 1) (Membrane component chromosome 6 surface marker 1) (Phosphodiesterase I/nucleotide pyrophosphatase 1) (Plasma-cell membrane glycoprotein PC-1) [Cleaved into: Ectonucleotide pyrophosphatase/phosphodiesterase family member 1, secreted form] [Includes: Alkaline phosphodiesterase I (EC 3.1.4.1)]							
P22413		5	5	-2,02	0,25	0,000	0,000
P61952	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-11	5	5	-2,00	0,25	0,000	0,002
O15232	Matrilin-3	5	5	-1,99	0,25	0,000	0,000
P35568	Insulin receptor substrate 1 (IRS-1)	5	5	-1,99	0,25	0,000	0,000
Q8IZW8	Tensin-4 (C-terminal tensin-like protein)	5	5	-1,95	0,26	0,000	0,000
Q8N6I4	Lysosomal enzyme trafficking factor (GNPTAB cleavage and activity factor) (GCAF) (Transmembrane protein 251)	5	5	-1,95	0,26	0,001	0,003
Q5VZM2	Ras-related GTP-binding protein B (Rag B) (RagB) (EC 3.6.5.-)	5	5	-1,94	0,26	0,003	0,008
Q3SY69	Mitochondrial 10-formyltetrahydrofolate dehydrogenase (Mitochondrial 10- FTHFDH) (mtFDH) (EC 1.5.1.6) (Aldehyde dehydrogenase family 1 member L2)	5	5	-1,92	0,26	0,000	0,000
Q9UFP1	Golgi-associated kinase 1A (Protein FAM198A)	5	5	-1,91	0,27	0,000	0,000
Q86UN3	Reticulon-4 receptor-like 2 (Nogo receptor-like 3) (Nogo-66 receptor homolog 1) (Nogo-66 receptor-related protein 2) (NgR2)	5	5	-1,90	0,27	0,006	0,016
P08185	Corticosteroid-binding globulin (CBG) (Serpine A6) (Transcortin)	5	5	-1,90	0,27	0,000	0,000
Q14126	Desmoglein-2 (Cadherin family member 5) (HDGC)	5	5	-1,89	0,27	0,000	0,000
Q2KHM9	Protein moonraker (MNR) (OFD1- and FOPNL-interacting protein)	5	5	-1,89	0,27	0,000	0,000
Q9UGT4	Sushi domain-containing protein 2	5	5	-1,89	0,27	0,000	0,000
O15440	ATP-binding cassette sub-family C member 5 (EC 7.6.2.-) (EC 7.6.2.2) (Multi- specific organic anion transporter C) (MOAT-C) (Multidrug resistance-associated protein 5) (SMRP) (pABC11)	5	5	-1,88	0,27	0,000	0,001
Q99424	Peroxisomal acyl-coenzyme A oxidase 2 (EC 1.17.99.3) (3-alpha,7-alpha,12-alpha- trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase) (3-alpha,7-alpha,12-alpha- trihydroxy-5-beta-cholestanoyl-CoA oxidase) (Trihydroxycoprostanoyl-CoA oxidase) (THCA-CoA oxidase) (THCCox)	5	5	-1,87	0,27	0,000	0,000