

Since this is a very extensive table, the format and content have not been edited by ActaDV.

Table SI. The 297 differentially expressed proteins in P-dermal-derived mesenchymal stem cell (DMSCs)-Treated normal human epidermal keratinocytes (NHEKs) compared to C-DMSC-Treated NHEKs

Hit Number	Accession	Description	Fold change _a	regulation
1308	tr F5GYR8 F5GYR8_HUMAN	General vesicular transport factor p115	0.83	down
3015	tr F5GWU7 F5GWU7_HUMAN	Mothers against decapentaplegic homolog 5	0.83	down
306	sp Q9H0U4 RAB1B_HUMAN	Ras-related protein Rab-1B	0.83	down
624	tr B3KSE0 B3KSE0_HUMAN	cDNA FLJ36069 fis, clone TESTI2019406, highly similar to HEME OXYGENASE 2 (EC 1.14.99.3)	0.83	down
2370	sp Q6NUK4-2 REEP3_HUMAN	Isoform 2 of Receptor expression-enhancing protein 3	0.83	down
1781	tr B4DT15 B4DT15_HUMAN	cDNA FLJ56150, highly similar to Zinc phosphodiesterase ELAC protein 2 (EC 3.1.26.11)	0.83	down
3256	tr Q59H55 Q59H55_HUMAN	Protein tyrosine phosphatase, non-receptor type 13 isoform 2 variant (Fragment)	0.83	down
1528	sp Q92506 DHB8_HUMAN	Estradiol 17-beta-dehydrogenase 8	0.83	down
111☆	sp P12814 ACTN1_HUMAN	Alpha-actinin-1	0.83	down
541	tr A8K5M4 A8K5M4_HUMAN	cDNA FLJ75088, highly similar to Homo sapiens p21 (CDKN1A)-activated kinase 2 (PAK2), mRNA	0.83	down
729	tr Q567R6 Q567R6_HUMAN	Single-stranded DNA-binding protein	0.83	down
601	tr B4DFL1 B4DFL1_HUMAN	Dihydrolipoyl dehydrogenase	0.83	down
957	tr U3KQJ1 U3KQJ1_HUMAN	Polymerase delta-interacting protein 2	0.83	down
807	sp Q9H078-2 CLPB_HUMAN	Isoform 2 of Caseinolytic peptidase B protein homolog	0.83	down
431#	sp P55060-3 XPO2_HUMAN	Isoform 3 of Exportin-2	0.83	down
2114	tr A8K9B2 A8K9B2_HUMAN	cDNA FLJ76725, highly similar to Homo sapiens L-2-hydroxyglutarate dehydrogenase (L2HGDH), mRNA	0.83	down
1081	tr B4DL49 B4DL49_HUMAN	cDNA FLJ58073, moderately similar to Cathepsin B (EC 3.4.22.1)	0.83	down
2530☆	sp Q96NY8 PVRL4_HUMAN	Poliovirus receptor-related protein 4	0.82	down
355	tr Q59GW8 Q59GW8_HUMAN	Succinate dehydrogenase complex, subunit A, flavoprotein variant (Fragment)	0.82	down
804	tr B4E0H8 B4E0H8_HUMAN	cDNA FLJ60385, highly similar to Integrin alpha-3	0.82	down
464	tr Q8TBT6 Q8TBT6_HUMAN	Putative uncharacterized protein (Fragment)	0.82	down
1149	tr G5E9V5 G5E9V5_HUMAN	28S ribosomal protein S22, mitochondrial	0.82	down
768	sp P13489 RINI_HUMAN	Ribonuclease inhibitor	0.82	down
933	sp Q10713 MPPA_HUMAN	Mitochondrial-processing peptidase subunit alpha	0.82	down
784#	tr B2R6K4 B2R6K4_HUMAN	cDNA, FLJ92996, highly similar to Homo sapiens guanine nucleotide binding protein (G protein), beta polypeptide 1 (GNB1), mRNA	0.82	down
444	sp P55809 SCOT1_HUMAN	Succinyl-CoA: 3-ketoacid coenzyme A transferase 1, mitochondrial	0.82	down
738#	sp P50402 EMD_HUMAN	Emerin	0.82	down
1924	sp P36551 HEM6_HUMAN	Coproporphyrinogen-III oxidase, mitochondrial	0.82	down
1977	tr B1AVU8 B1AVU8_HUMAN	Saposin-D	0.81	down
879	tr Q4W4Y1 Q4W4Y1_HUMAN	Dopamine receptor interacting protein 4	0.81	down
1140	sp Q13308-4 PTK7_HUMAN	Isoform 4 of Inactive tyrosine-protein kinase 7	0.81	down
744#	sp Q12797-10 ASPH_HUMAN	Isoform 10 of Aspartyl/asparaginyl beta-hydroxylase	0.81	down
42	sp Q9BQE3 TBA1C_HUMAN	Tubulin alpha-1C chain	0.81	down
2078	sp Q9BRQ8-2 AIFM2_HUMAN	Isoform 2 of Apoptosis-inducing factor 2	0.81	down
995	sp Q6PI48 SYDM_HUMAN	Aspartate--tRNA ligase, mitochondrial	0.81	down
1154	sp Q6YHK3 CD109_HUMAN	CD109 antigen	0.81	down
449	tr F8W930 F8W930_HUMAN	Insulin-like growth factor 2 mRNA-binding protein 2	0.81	down
852	tr D3DUJ0 D3DUJ0_HUMAN	AFG3 ATPase family gene 3-like 2 (Yeast), isoform CRA_a (Fragment)	0.81	down
587☆	sp Q13751 LAMB3_HUMAN	Laminin subunit beta-3	0.80	down
1547	tr B3KM68 B3KM68_HUMAN	cDNA FLJ10398 fis, clone NT2RM4000349, highly similar to Homo sapiens basic leucine zipper and W2 domains 2 (BZW2), mRNA	0.80	down
2308	sp Q8WVM0 TFB1M_HUMAN	Dimethyladenosine transferase 1, mitochondrial transferase 1	0.80	down
393	tr B4DJV2 B4DJV2_HUMAN	Citrate synthase	0.80	down
3355	sp Q8N531-2 FBXL6_HUMAN	Isoform 2 of F-box/LRR-repeat protein 6	0.80	down
1690	sp Q96A35 RM24_HUMAN	39S ribosomal protein L24, mitochondrial	0.80	down
1314	sp A2RRP1-2 NBAS_HUMAN	Isoform 2 of Neuroblastoma-amplified sequence	0.80	down
196*,☆	tr C9JZR2 C9JZR2_HUMAN	Catenin delta-1	0.80	down
1037	sp Q9Y6C9 MTCH2_HUMAN	Mitochondrial carrier homolog 2	0.80	down
81☆	tr Q0VF97 Q0VF97_HUMAN	Integrin beta	0.80	down
685	tr J3KR44 J3KR44_HUMAN	Ubiquitin thioesterase OTUB1	0.80	down
3239	tr C9JCC6 C9JCC6_HUMAN	Dr1-associated corepressor	0.79	down
1886	tr B3KRC6 B3KRC6_HUMAN	cDNA FLJ34004 fis, clone FCBBF1000232, highly similar to Cytochrome P450 51A1 (EC 1.14.13.70)	0.79	down
2170	tr U3KQ56 U3KQ56_HUMAN	Glyoxylate reductase/hydroxypyruvate reductase	0.79	down
232#, ☆	tr B4DGU4 B4DGU4_HUMAN	Catenin beta-1	0.79	down

1531	tr M0QWZ7 M0QWZ7_HUMAN	Serine--tRNA ligase, mitochondrial	0.79	down
2680	tr E7EQU1 E7EQU1_HUMAN	High mobility group protein B3 (Fragment)	0.79	down
1296	sp P61088 UBE2N_HUMAN	Ubiquitin-conjugating enzyme E2 N	0.79	down
1420	tr H0YNH8 H0YNH8_HUMAN	Uveal autoantigen with coiled-coil domains and ankyrin repeats	0.79	down
1971	tr B1AK13 B1AK13_HUMAN	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase (Hydroxymethylglutaricaciduria), isoform CRA_b	0.79	down
162#	tr Q5HYG8 Q5HYG8_HUMAN	Serine hydroxymethyltransferase	0.79	down
219	sp Q99714 HCD2_HUMAN	3-hydroxyacyl-CoA dehydrogenase type-2	0.79	down
889	tr B7Z5Z2 B7Z5Z2_HUMAN	Ras-related protein R-Ras2	0.79	down
1928*	sp P36404 ARL2_HUMAN	ADP-ribosylation factor-like protein 2	0.78	down
1576	tr B2R5S3 B2R5S3_HUMAN	cDNA, FLJ92597, highly similar to Homo sapiens NFS1 nitrogen fixation 1 (S. cerevisiae) (NFS1), mRNA	0.78	down
1793	sp Q5RI15-2 COX20_HUMAN	Isoform 2 of Cytochrome c oxidase protein 20 homolog	0.78	down
1181	tr Q8WYJ5 Q8WYJ5_HUMAN	Protein kinase C inhibitor-2	0.78	down
1548	tr B4DJB4 B4DJB4_HUMAN	cDNA FLJ55931, highly similar to Isocitrate dehydrogenase	0.78	down
1343	tr Q6EHZ3 Q6EHZ3_HUMAN	Putative uncharacterized protein STRF8	0.78	down
468	sp P10606 COX5B_HUMAN	Cytochrome c oxidase subunit 5B, mitochondrial	0.78	down
755	tr A8K2U2 A8K2U2_HUMAN	cDNA FLJ75392, highly similar to Homo sapiens hexokinase II (HKII) mRNA	0.78	down
1458	tr B7Z7Q0 B7Z7Q0_HUMAN	Phosphatidylinositol transfer protein beta isoform	0.78	down
1621	tr A1A441 A1A441_HUMAN	Serine/threonine-protein phosphatase	0.77	down
327#.*	sp P31947-2 I433S_HUMAN	Isoform 2 of 14-3-3 protein sigma	0.77	down
411	tr B3KM34 B3KM34_HUMAN	cDNA FLJ10132 fis, clone HEMBA1003046, highly similar to Mitochondrial-processing peptidase subunit beta, mitochondrial (EC 3.4.24.64)	0.77	down
2108#	sp P07203 GPX1_HUMAN	Glutathione peroxidase 1	0.77	down
237	tr B4DN59 B4DN59_HUMAN	cDNA FLJ52702, highly similar to Homo sapiens CD44 antigen (homing function and Indian blood group system) (CD44), transcript variant 4, mRNA	0.77	down
244	tr Q6LES2 Q6LES2_HUMAN	Annexin (Fragment)	0.77	down
455	tr A2A274 A2A274_HUMAN	Aconitate hydratase, mitochondrial	0.77	down
751	sp Q86SF2 GALT7_HUMAN	N-acetylgalactosaminyltransferase 7	0.77	down
892	sp P23368 MAOM_HUMAN	NAD-dependent malic enzyme, mitochondrial	0.76	down
948	tr J3QLD9 J3QLD9_HUMAN	Flotillin-2	0.76	down
1245	sp Q8TCS8 PNPT1_HUMAN	Polyribonucleotide nucleotidyltransferase 1, mitochondrial	0.76	down
1096	tr Q53F90 Q53F90_HUMAN	Guanine monophosphate synthetase variant (Fragment)	0.76	down
825#	tr Q7Z7M4 Q7Z7M4_HUMAN	Superoxide dismutase (Fragment)	0.76	down
1010	tr Q61AL5 Q61AL5_HUMAN	Putative uncharacterized protein tmp_locus_1	0.76	down
811	sp Q96C36 P5CR2_HUMAN	Pyrroline-5-carboxylate reductase 2	0.76	down
2143	sp Q5J TZ9 SYAM_HUMAN	Alanine--tRNA ligase, mitochondrial	0.76	down
1551	tr Q8N353 Q8N353_HUMAN	TMEM106B protein (Fragment)	0.76	down
1412	tr B4DRV2 B4DRV2_HUMAN	cDNA FLJ53646, highly similar to Succinyl-CoA ligase (ADP-forming) beta-chain, mitochondrial (EC 6.2.1.5)	0.76	down
542	tr B3KPH8 B3KPH8_HUMAN	Lon protease homolog, mitochondrial	0.75	down
188	tr G3V0E8 G3V0E8_HUMAN	Poly(RC) binding protein 2, isoform CRA_f	0.75	down
1146	tr B4E240 B4E240_HUMAN	cDNA FLJ58827, highly similar to UBX domain-containing protein 2	0.75	down
1607	tr B4DZW6 B4DZW6_HUMAN	Regulator of microtubule dynamics protein 1	0.75	down
1794	tr I3L0E3 I3L0E3_HUMAN	28S ribosomal protein S17, mitochondrial	0.75	down
116*	sp P23229-2 ITA6_HUMAN	Isoform Alpha-6X1A of Integrin alpha-6	0.75	down
1715	tr B4E2E1 B4E2E1_HUMAN	cDNA FLJ54322, highly similar to Protein transport protein Sec24B	0.75	down
557	tr Q6IB58 Q6IB58_HUMAN	FLOT1 protein	0.75	down
1342	sp P30049 ATPD_HUMAN	ATP synthase subunit delta, mitochondrial	0.75	down
1567	sp Q9H4L5-2 OSBL3_HUMAN	Isoform 1b of Oxysterol-binding protein-related protein 3	0.75	down
2706#	tr B4DLF5 B4DLF5_HUMAN	cDNA FLJ59332, highly similar to Hepatocyte growth factor receptor (EC 2.7.10.1)	0.75	down
2651#.*	tr F5H442 F5H442_HUMAN	Tumor susceptibility gene 101 protein	0.74	down
1698	tr B3GK62 B3GK62_HUMAN	COQ5	0.74	down
958#.*	sp O14896 IRF6_HUMAN	Interferon regulatory factor 6 OS=Homo sapiens GN=IRF6 PE=1 SV=1 >tr G0Z349 G0Z349_HUMAN Interferon regulatory factor 6	0.74	down
1075	sp Q9HAV7 GRPE1_HUMAN	GrpE protein homolog 1, mitochondrial	0.74	down
3684	sp Q9UBV8 PEF1_HUMAN	Peflin	0.74	down
1647	sp Q9NPJ3-2 ACO13_HUMAN	Isoform 2 of Acyl-coenzyme A thioesterase 13	0.74	down
1939	sp Q9NRP0-2 OSTC_HUMAN	Isoform 2 of Oligosaccharyltransferase complex subunit OSTC	0.74	down
357	sp P26038 MOES_HUMAN	Moesin	0.74	down
2304	tr A8K5L4 A8K5L4_HUMAN	cDNA FLJ76843, highly similar to Homo sapiens guanine nucleotide binding protein (G protein), alpha 15 (Gq class) (GNA15), mRNA	0.74	down
2212	tr B4DDQ8 B4DDQ8_HUMAN	cDNA FLJ50439, highly similar to Phosphoglucomutase-1 (EC 5.4.2.2)	0.73	down
654	sp Q96TA1-2 NIBL1_HUMAN	Isoform 2 of Niban-like protein 1	0.73	down
2669	tr B3KQJ7 B3KQJ7_HUMAN	cDNA FLJ90591 fis, clone PLACE1001081, highly similar to Tetraspanin-6	0.73	down
2185	tr B4DP80 B4DP80_HUMAN	cDNA FLJ56357, highly similar to Homo sapiens apolipoprotein A-I binding protein (APOA1BP), mRNA	0.73	down
687	sp O75131 CPNE3_HUMAN	Copine-3	0.73	down
398	sp Q01650 LAT1_HUMAN	Large neutral amino acids transporter small subunit 1	0.73	down

476	sp Q9Y5S9-2 RBM8A_HUMAN	Isoform 2 of RNA-binding protein 8A	0.73	down
2057#	sp P31949 S10AB_HUMAN	Protein S100-A11	0.72	down
1787	sp Q9UMS0-3 NFU1_HUMAN	Isoform 3 of NFU1 iron-sulfur cluster scaffold homolog, mitochondrial	0.72	down
1967	sp Q9H7E9-2 CH033_HUMAN	Isoform 2 of UPF0488 protein C8orf33	0.72	down
988	sp Q9UBB4-2 ATX10_HUMAN	Isoform 2 of Ataxin-10	0.72	down
2778	sp Q8IXT5 RB12B_HUMAN	RNA-binding protein 12B	0.72	down
1851	tr E2QRM6 E2QRM6_HUMAN	Inorganic pyrophosphatase 2, mitochondrial	0.72	down
1585	tr B3KPZ7 B3KPZ7_HUMAN	cDNA FLJ32517 fis, clone SMINT1000117, highly similar to Pyruvate dehydrogenase (lipoamide)-phosphatase 1 (EC 3.1.3.43)	0.72	down
1857	tr F5H1S9 F5H1S9_HUMAN	tRNA pseudouridine synthase	0.72	down
1463☆	tr A2A2Y8 A2A2Y8_HUMAN	Collagen alpha-1(XVII) chain	0.72	down
3120	tr B3KR50 B3KR50_HUMAN	cDNA FLJ33691 fis, clone BRAWH2002976, highly similar to GROWTH FACTOR RECEPTOR-BOUND PROTEIN 2	0.72	down
1644	tr B2R879 B2R879_HUMAN	cDNA, FLJ93777, highly similar to Homo sapiens prominin 2 (PROM2), mRNA	0.72	down
3039	sp Q9Y6D5 BIG2_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 2	0.72	down
937	sp Q8IYB8 SUV3_HUMAN	ATP-dependent RNA helicase SUPV3L1, mitochondrial	0.72	down
2058	sp O00469-2 PLOD2_HUMAN	Isoform 2 of Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	0.71	down
1836	sp Q8IVS2 FABD_HUMAN	Malonyl-CoA-acyl carrier protein transacylase, mitochondrial	0.71	down
2469	sp Q8WW59 SPRY4_HUMAN	SPRY domain-containing protein 4	0.71	down
1518	tr E9PNW4 E9PNW4_HUMAN	CD59 glycoprotein	0.71	down
758#	sp P20020-2 AT2B1_HUMAN	Isoform A of Plasma membrane calcium-transporting ATPase 1	0.71	down
941	sp P31937 3HIDH_HUMAN	3-hydroxyisobutyrate dehydrogenase, mitochondrial	0.71	down
1524	tr Q53GL5 Q53GL5_HUMAN	Isocitrate dehydrogenase (NADP) (Fragment)	0.71	down
2889	sp P42695 CNDD3_HUMAN	Condensin-2 complex subunit D3	0.70	down
1944	sp O60487 MPZL2_HUMAN	Myelin protein zero-like protein 2	0.70	down
2098	tr Q6NX51 Q6NX51_HUMAN	Exocyst complex component 4	0.70	down
1405	tr B4DDH8 B4DDH8_HUMAN	cDNA FLJ55184, highly similar to Homo sapiens leukocyte receptor cluster (LRC) member 4 (LENG4), mRNA	0.70	down
124	tr Q59EK6 Q59EK6_HUMAN	TNF receptor-associated protein 1 variant (Fragment)	0.69	down
1562	tr B4DIZ2 B4DIZ2_HUMAN	Ubiquitin-conjugating enzyme E2 K	0.69	down
1927#	sp Q08722 CD47_HUMAN	Leukocyte surface antigen CD47	0.69	down
2665	sp O60493-2 SNX3_HUMAN	Isoform 2 of Sorting nexin-3	0.69	down
1601	sp Q13057-2 COASY_HUMAN	Isoform 2 of Bifunctional coenzyme A synthase	0.68	down
3054	sp P82675 RT05_HUMAN	28S ribosomal protein S5, mitochondrial	0.68	down
226	sp Q07021 C1QBP_HUMAN	Complement component 1 Q subcomponent-binding protein, mitochondrial	0.67	down
583	sp P09382 LEG1_HUMAN	Galectin-1	0.66	down
3334	sp Q8IWB1 IPRI_HUMAN	Inositol 1,4,5-trisphosphate receptor-interacting protein	0.66	down
980	tr H3BUX2 H3BUX2_HUMAN	Cytochrome b5 type B	0.66	down
1442	tr H3BNT2 H3BNT2_HUMAN	Ubiquinone biosynthesis protein COQ9, mitochondrial (Fragment)	0.65	down
2381	sp Q5T8D3-2 ACBD5_HUMAN	Isoform 2 of Acyl-CoA-binding domain-containing protein 5	0.64	down
814	sp P13674-2 P4HA1_HUMAN	Isoform 2 of Prolyl 4-hydroxylase subunit alpha-1	0.64	down
1386	tr H0YN14 H0YN14_HUMAN	Importin-4	0.64	down
3060	sp Q9HC36 RMTL1_HUMAN	RNA methyltransferase-like protein 1	0.62	down
509	tr F8W1A4 F8W1A4_HUMAN	Adenylate kinase 2, mitochondrial	0.62	down
1874	tr G0TQY6 G0TQY6_HUMAN	Lutheran blood group	0.62	down
1185	sp P12277 KCRB_HUMAN	Creatine kinase B-type	0.62	down
2223	sp Q969S9-3 RRF2M_HUMAN	Isoform 3 of Ribosome-releasing factor 2, mitochondrial	0.61	down
996	sp P27144 KAD4_HUMAN	Adenylate kinase 4, mitochondrial	0.6	down
414	tr B3KU62 B3KU62_HUMAN	cDNA FLJ39243 fis, clone OCBBF2008283, highly similar to Protein NDRG1	0.59	down
1803	sp O00767 ACOD_HUMAN	Acyl-CoA desaturase	0.59	down
2056	tr Q2TU78 Q2TU78_HUMAN	Proliferation-inducing protein 45	0.59	down
2042	tr A0PJP0 A0PJP0_HUMAN	RNF121 protein (Fragment)	0.57	down
1156	sp O94925-3 GLSK_HUMAN	Isoform 3 of Glutaminase kidney isoform, mitochondrial	0.57	down
2127	tr Q1WWL5 Q1WWL5_HUMAN	APOL1 protein (Fragment)	0.53	down
2137	sp Q8NE01-2 CNNM3_HUMAN	Isoform 2 of Metal transporter CNNM3	0.51	down
1280	tr C9JC84 C9JC84_HUMAN	Fibrinogen gamma chain	0.51	down
2636	tr Q4QQP8 Q4QQP8_HUMAN	PTGFRN protein (Fragment)	0.5	down
640	sp P02671-2 FIBA_HUMAN	Isoform 2 of Fibrinogen alpha chain	0.47	down
435	tr Q32Q65 Q32Q65_HUMAN	Fibrinogen beta chain	0.46	down
397	sp P01008 ANT3_HUMAN	Antithrombin-III	3.45	up
2885	tr Q6MZW0 Q6MZW0_HUMAN	Putative uncharacterized protein DKFZp686J11235 (Fragment)	2.56	up
377☆	tr B7ZLE5 B7ZLE5_HUMAN	FN1 protein	2.51	up
1610	tr A8K5T0 A8K5T0_HUMAN	cDNA FLJ75416, highly similar to Homo sapiens complement factor H (CFH), mRNA	2.43	up
1966	tr Q0KKI6 Q0KKI6_HUMAN	Immunoglobulin light chain (Fragment)	2.21	up
3135	tr Q2TAM5 Q2TAM5_HUMAN	RELA protein	2.08	up
123	sp P01024 CO3_HUMAN	Complement C3	1.91	up
178	sp P0C0L5 C04B_HUMAN	Complement C4-B	1.78	up
2019#	sp Q04828 AK1C1_HUMAN	Aldo-keto reductase family 1 member C1	1.75	up

969#	tr B4DDT3 B4DDT3_HUMAN	cDNA FLJ54622, highly similar to Prothrombin (EC 3.4.21.5)	1.75	up
1972	sp Q15847 ADIRF_HUMAN	Adipogenesis regulatory factor	1.67	up
1134	sp P10909-2 CLUS_HUMAN	Isoform 2 of Clusterin	1.66	up
1652	sp P06727 APOA4_HUMAN	Apolipoprotein A-IV	1.61	up
1878#	sp O14684 PTGES_HUMAN	Prostaglandin E synthase	1.61	up
2428	tr A6XGL1 A6XGL1_HUMAN	Transthyretin	1.61	up
792*	sp P07476 INVO_HUMAN	Involucrin	1.61	up
2252	sp Q9H6F5 CCD86_HUMAN	Coiled-coil domain-containing protein 86	1.57	up
3189	sp Q8WVK2 SNR27_HUMAN	U4/U6.U5 small nuclear ribonucleoprotein 27 kDa protein	1.53	up
1129	tr B4DFL3 B4DFL3_HUMAN	cDNA FLJ56661, highly similar to Proteasome subunit beta type 4 (EC 3.4.25.1)	1.53	up
1654	tr C9J4Z3 C9J4Z3_HUMAN	60S ribosomal protein L37a	1.52	up
1985	sp P19784 CSK22_HUMAN	Casein kinase II subunit alpha	1.52	up
1789	tr B4E1D8 B4E1D8_HUMAN	cDNA FLJ51597, highly similar to C4b-binding protein alpha chain	1.51	up
1912	sp Q9BWJ5 SF3B5_HUMAN	Splicing factor 3B subunit 5	1.49	up
35#	sp P19013 K2C4_HUMAN	Keratin, type II cytoskeletal 4	1.48	up
719#	sp Q09028-2 RBBP4_HUMAN	Isoform 2 of Histone-binding protein RBBP4	1.47	up
2718	tr B4DTK7 B4DTK7_HUMAN	cDNA FLJ61387, highly similar to Homo sapiens conserved nuclear protein NHN1 (NHN1), mRNA	1.46	up
551	tr C0JYY2 C0JYY2_HUMAN	Apolipoprotein B (Including Ag(X) antigen)	1.46	up
2123#	sp Q15554-3 TERF2_HUMAN	Isoform 3 of Telomeric repeat-binding factor 2	1.44	up
1083	sp P24928 RPB1_HUMAN	DNA-directed RNA polymerase II subunit RPB1	1.43	up
1468	tr C9J050 C9J050_HUMAN	Choline-phosphate cytidyltransferase A (Fragment)	1.43	up
2685	sp Q53LP3 SWAHC_HUMAN	Ankyrin repeat domain-containing protein SOWAHC	1.43	up
2710	tr B3KS02 B3KS02_HUMAN	Amine oxidase	1.43	up
736	sp P61964 WDR5_HUMAN	WD repeat-containing protein 5	1.42	up
1151#	sp P40222 TXLNA_HUMAN	Alpha-taxilin	1.42	up
1042	tr B7Z475 B7Z475_HUMAN	cDNA FLJ55712, highly similar to F-box-like/WD repeat protein TBL1XR1	1.42	up
131	sp P05187 PPB1_HUMAN	Alkaline phosphatase, placental type	1.41	up
2043	tr B7Z4B8 B7Z4B8_HUMAN	Heterogeneous nuclear ribonucleoprotein U-like protein 1	1.40	up
949	tr A8K7N0 A8K7N0_HUMAN	cDNA FLJ75556, highly similar to Homo sapiens ribosomal protein L14, mRNA	1.39	up
1537	sp P61970 NTF2_HUMAN	Nuclear transport factor 2	1.39	up
2838	tr B4DT66 B4DT66_HUMAN	cDNA FLJ55367, highly similar to Rattus norvegicus SDA1 domain containing 1 (Sdad1), mRNA	1.39	up
1917	sp O00161-2 SNP23_HUMAN	Isoform SNAP-23b of Synaptosomal-associated protein 23	1.38	up
1066	tr A0PJ61 A0PJ61_HUMAN	RSL1D1 protein (Fragment)	1.38	up
828	tr B2R5M8 B2R5M8_HUMAN	Isocitrate dehydrogenase (NADP)	1.38	up
639	sp Q06323 PSME1_HUMAN	Proteasome activator complex subunit 1	1.38	up
964	sp P49720 PSB3_HUMAN	Proteasome subunit beta type-3	1.38	up
1923	sp O94919 ENDD1_HUMAN	Endonuclease domain-containing 1 protein	1.37	up
1400#	sp P46781 RS9_HUMAN	40S ribosomal protein S9	1.37	up
2648	sp O60869-2 EDF1_HUMAN	Isoform 2 of Endothelial differentiation-related factor 1	1.36	up
1631	tr Q5TH30 Q5TH30_HUMAN	NDRG family member 3, isoform CRA_c	1.36	up
1469	tr Q6NZ55 Q6NZ55_HUMAN	60S ribosomal protein L13	1.36	up
2421	sp P37108 SRP14_HUMAN	Signal recognition particle 14 kDa protein	1.36	up
1259	tr Q6FI97 Q6FI97_HUMAN	BAF53A protein	1.35	up
3132	tr E9PR30 E9PR30_HUMAN	40S ribosomal protein S30	1.35	up
2624	tr B7Z695 B7Z695_HUMAN	cDNA FLJ52742, highly similar to Periphilin-1	1.35	up
1475	tr Q05BU6 Q05BU6_HUMAN	SFRS11 protein (Fragment)	1.34	up
1123	sp P62314 SMD1_HUMAN	Small nuclear ribonucleoprotein Sm D1	1.33	up
1017	tr B3KY11 B3KY11_HUMAN	cDNA FLJ46571 fis, clone THYMU3041428, highly similar to Probable ATP-dependent RNA helicase DDX23 (EC 3.6.1.-)	1.33	up
925#	tr H0YIV4 H0YIV4_HUMAN	Nucleosome assembly protein 1-like 1 (Fragment)	1.32	up
1870	sp P09669 COX6C_HUMAN	Cytochrome c oxidase subunit 6C	1.32	up
1858	sp Q6WKZ4-3 RFIP1_HUMAN	Isoform 2 of Rab11 family-interacting protein 1	1.31	up
2305	sp Q8IUF8 MINA_HUMAN	Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA	1.31	up
2034	tr A8K6V7 A8K6V7_HUMAN	cDNA FLJ76053, highly similar to Homo sapiens Ras-GTPase activating protein SH3 domain-binding protein 2 (G3BP2), transcript variant 3, mRNA	1.30	up
1306	sp P17174 AATC_HUMAN	Aspartate aminotransferase, cytoplasmic	1.30	up
506	tr Q59GY2 Q59GY2_HUMAN	Ribosomal protein L4 variant (Fragment)	1.30	up
94#	sp P46013 KI67_HUMAN	Antigen KI-67	1.30	up
325	sp Q6KB66-2 K2C80_HUMAN	Isoform 2 of Keratin, type II cytoskeletal 80	1.29	up
793	tr Q05DH1 Q05DH1_HUMAN	Proteasome subunit alpha type (Fragment)	1.29	up
1688	sp O95782-2 AP2A1_HUMAN	Isoform B of AP-2 complex subunit alpha-1	1.28	up
1662	tr A8K201 A8K201_HUMAN	cDNA FLJ75605, highly similar to Homo sapiens CGI-115 protein (CGI-115), mRNA	1.28	up
1053	sp Q9UKD2 MRT4_HUMAN	mRNA turnover protein 4 homolog	1.28	up
1099#	sp P23381-2 SYWC_HUMAN	Isoform 2 of Tryptophan--tRNA ligase, cytoplasmic	1.28	up
23	sp P08729 K2C7_HUMAN	Keratin, type II cytoskeletal 7	1.28	up
1680	sp Q9P012 EMC3_HUMAN	ER membrane protein complex subunit 3	1.28	up
417	sp P00966 ASSY_HUMAN	Argininosuccinate synthase	1.27	up
1285	sp P46778 RL21_HUMAN	60S ribosomal protein L21	1.27	up

2040	tr H0YM60 H0YM60_HUMAN	H/ACA ribonucleoprotein complex subunit 3	1.27	up
636*	sp P13645 K1C10_HUMAN	Keratin, type I cytoskeletal 10	1.27	up
1582	tr B2R6E2 B2R6E2_HUMAN	cDNA, FLJ92910, highly similar to Homo sapiens programmed cell death 4 (neoplastic transformation inhibitor) (PDCD4), transcript variant 1, mRNA	1.27	up
413	sp Q15459 SF3A1_HUMAN	Splicing factor 3A subunit 1	1.26	up
513	tr G3XAD8 G3XAD8_HUMAN	Stress-induced-phosphoprotein 1	1.26	up
816	tr F1T0I1 F1T0I1_HUMAN	Protein transport protein Sec16A	1.26	up
989	sp Q5UIP0-2 RIF1_HUMAN	Isoform 2 of Telomere-associated protein RIF1	1.25	up
2201	sp P98179 RBM3_HUMAN	Putative RNA-binding protein 3	1.25	up
648	tr B2R5T2 B2R5T2_HUMAN	cDNA, FLJ92608, highly similar to Homo sapiens aldehyde dehydrogenase 1 family, member A3 (ALDH1A3), mRNA	1.25	up
2237	sp Q9H6T3 RPAP3_HUMAN	RNA polymerase II-associated protein 3	1.25	up
1572	tr B2R6U8 B2R6U8_HUMAN	cDNA, FLJ93125, highly similar to Homo sapiens cleavage and polyadenylation specific factor 5, 25 kDa(CPSF5), mRNA	1.25	up
678	sp P62424 RL7A_HUMAN	60S ribosomal protein L7a	1.25	up
3311	sp O95298-2 NDUC2_HUMAN	Isoform 4 of NADH dehydrogenase (ubiquinone) 1 subunit C2	1.25	up
554	tr Q7Z426 Q7Z426_HUMAN	Putative MAPK activating protein	1.25	up
1165	tr C9JNW5 C9JNW5_HUMAN	60S ribosomal protein L24	1.25	up
953	tr G3V295 G3V295_HUMAN	Proteasome subunit alpha type	1.25	up
368	tr B4DT31 B4DT31_HUMAN	Far upstream element-binding protein 1	1.25	up
839	tr B7Z3E7 B7Z3E7_HUMAN	cDNA FLJ56510, highly similar to Tumor suppressor p53-binding protein 1	1.24	up
1819	tr H3BRK3 H3BRK3_HUMAN	NAD(P)H dehydrogenase (quinone) 1	1.24	up
1148	tr Q2TU34 Q2TU34_HUMAN	Fructose-1,6-bisphosphatase 1	1.24	up
1705	tr B2R6J4 B2R6J4_HUMAN	cDNA, FLJ92975, highly similar to Homo sapiens nucleosome assembly protein 1-like 4 (NAP1L4), mRNA	1.24	up
1197	sp P27816-6 MAP4_HUMAN	Isoform 6 of Microtubule-associated protein 4	1.24	up
2385	tr E7EQY4 E7EQY4_HUMAN	Metastasis-associated protein MTA3	1.24	up
1331	sp P61221 ABCE1_HUMAN	ATP-binding cassette sub-family E member 1	1.23	up
1052	sp Q9BW04 SARG_HUMAN	Specifically androgen-regulated gene protein	1.23	up
1189	tr I3VM54 I3VM54_HUMAN	N-terminus deleted lysine-specific demethylase 2A	1.23	up
877	tr B3KSH1 B3KSH1_HUMAN	Eukaryotic translation initiation factor 3 subunit F	1.23	up
692	sp Q13895 BYST_HUMAN	Bystin	1.23	up
1336	tr Q4AEJ3 Q4AEJ3_HUMAN	Mitochondrial transmembrane GTPase Fzo-1	1.23	up
1016	tr B2RNR6 B2RNR6_HUMAN	Zinc finger RNA binding protein	1.23	up
114	sp Q7Z406-6 MYH14_HUMAN	Isoform 6 of Myosin-14	1.23	up
1832	sp Q9HD45 TM9S3_HUMAN	Transmembrane 9 superfamily member 3	1.23	up
709	tr M0R210 M0R210_HUMAN	40S ribosomal protein S16	1.23	up
874	sp Q643R3 LPCT4_HUMAN	Lysophospholipid acyltransferase LPCAT4	1.23	up
1130	tr Q6IAX5 Q6IAX5_HUMAN	Eukaryotic translation initiation factor 3 subunit E	1.23	up
2109	tr Q5RLJ0 Q5RLJ0_HUMAN	CLE	1.23	up
878#	tr J3QK89 J3QK89_HUMAN	Calcium homeostasis endoplasmic reticulum protein	1.23	up
2315	sp P63173 RL38_HUMAN	60S ribosomal protein L38	1.22	up
10#	tr A1A4E9 A1A4E9_HUMAN	Keratin 13	1.22	up
1065	sp P62277 RS13_HUMAN	40S ribosomal protein S13	1.22	up
2192	tr A0S0T0 A0S0T0_HUMAN	ATP synthase subunit a	1.22	up
650	tr A8K614 A8K614_HUMAN	cDNA FLJ76877, highly similar to Homo sapiens superkiller viralicidic activity 2-like 2 (SKIV2L2), mRNA	1.22	up
1645	tr H0Y886 H0Y886_HUMAN	NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 5, mitochondrial (Fragment)	1.22	up
854	tr B2RBB2 B2RBB2_HUMAN	cDNA, FLJ95416, highly similar to Homo sapiens phosphatidylinositol glycan, class S (PIGS), mRNA	1.22	up
2198	tr A8K7J3 A8K7J3_HUMAN	cDNA FLJ75535, highly similar to Homo sapiens early endosome antigen 1, 162kD (EEA1), mRNA (Fragment)	1.21	up
728	sp Q96PK6 RBM14_HUMAN	RNA-binding protein 14	1.21	up
735	sp Q6UW68 TM205_HUMAN	Transmembrane protein 205	1.21	up
1110	tr B4DQ14 B4DQ14_HUMAN	Eukaryotic translation initiation factor 2A	1.20	up
429	tr B2R8R5 B2R8R5_HUMAN	cDNA, FLJ94025, highly similar to Homo sapiens tripartite motif-containing 28 (TRIM28), mRNA	1.20	up
584	tr J3QRS3 J3QRS3_HUMAN	Myosin regulatory light chain 12A	1.20	up
21	tr B3KVF5 B3KVF5_HUMAN	cDNA FLJ16494 fis, clone CTONG3004576, highly similar to Keratin, type I cytoskeletal 15	1.20	up
457	tr G3V0J0 G3V0J0_HUMAN	Fragile X mental retardation 1, isoform CRA	1.20	Up

Note: #, associated with cell proliferation; *, association with keratinocyte (KC) differentiation; ☆, cell adhesion and junctions, a, Fold change of P-DMSC-Treated NHEKs /D-DMSC-Treated NHEKs.