

Supplementary Table 1

Name	Class	Description	SU-8 CAN	SU-8
AF144054	Apoptosis	Homo sapiens apoptosis related protein APR-4 mRNA, partial cds. [AF144054]	3.300	
BM023129	Cell cycle	BM023129 ie79h07.x1 Melton Normalized Human Islet 4 N4-HIS 1 Homo sapiens cDNA clone IMAGE:5673444 3' similar to SW:BUB3_MOUSE Q9WVA3 MITOTIC CHECKPOINT PROTEIN BUB3 ;, mRNA sequence [BM023129]	0.332	
TAGLN2	Differentiation	Homo sapiens transgelin 2 (TAGLN2), mRNA [NM_003564]	3.349	
HSPC065	Heat shock	Homo sapiens HSPC065 protein (HSPC065), mRNA [NM_014157]	3.102	
CCL19	Ligand	Homo sapiens chemokine (C-C motif) ligand 19 (CCL19), mRNA [NM_006274]	3.800	
THC2045396	Membrane	O00429 (O00429) Dynamin-like protein, partial (16%) [THC2045396]	0.131	
AW075437	Metabolism	AW075437 xb23c01.x1 NCI_CGAP_Kid13 Homo sapiens cDNA clone IMAGE:2577120 3' similar to WP:C17G10.8 CE16861 FAT-3: ALCOHOL DEHYDROGENASE ;, mRNA sequence [AW075437]	0.314	
HAAO	Metabolism	Homo sapiens 3-hydroxyanthranilate 3,4-dioxygenase (HAAO), mRNA [NM_012205]	4.733	3.885
ABHD9	Metabolism	Homo sapiens abhydrolase domain containing 9 (ABHD9), mRNA [NM_024794]	3.689	
NPEPL1	Metabolism	Homo sapiens aminopeptidase-like 1 (NPEPL1), mRNA [NM_024663]	3.837	4.054
PNPO	Metabolism	Homo sapiens pyridoxine 5'-phosphate oxidase (PNPO), mRNA [NM_018129]	3.978	
SLC27A1	Metabolism	Homo sapiens solute carrier family 27 (fatty acid transporter), member 1 (SLC27A1), mRNA [NM_198580]	3.066	
THC2159243	Metabolism	RIB2_HUMAN (P04844) Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit precursor (Ribophorin II) (RPN-II) (RIBIIR) , partial (25%) [THC2159243]	0.311	
THC2200192	Metabolism	THU1_HUMAN (Q9NXG2) THUMP domain containing protein 1, partial (69%) [THC2200192]	0.155	
AI918632	Metabolism	ts32h01.x1 NCI_CGAP_Ut4 Homo sapiens cDNA clone IMAGE:2230321 3' similar to gb:X60221 ATP SYNTHASE B CHAIN, MITOCHONDRIAL PRECURSOR (HUMAN);, mRNA sequence [AI918632]	0.118	
AI267511	Mitochondria	AI267511 aq65g08.x1 Stanley Frontal SN pool 2 Homo sapiens cDNA clone IMAGE:2035838 similar to gb:X16560 CYTOCHROME C OXIDASE POLYPEPTIDE VIIC PRECURSOR (HUMAN);, mRNA sequence [AI267511]	0.294	
AI961400	Mitochondria	AI961400 wt22a12.x1 NCI_CGAP_Ut1 Homo sapiens cDNA clone IMAGE:2508190 3' similar to gb:X60036 MITOCHONDRIAL PHOSPHATE CARRIER PROTEIN PRECURSOR (HUMAN);, mRNA sequence [AI961400]	0.070	
THC2200745	Mitochondria	DAAMTTGRG Damaliscus dorcas mitochondrial 12S and 16S ribosomal RNA genes, and Phe-, Val-, and Leu-tRNA genes, partial (5%) [THC2200745]	0.074	
AI278811	Oncogene	AI278811 qo50a11.x1 NCI_CGAP_Co8 Homo sapiens cDNA clone IMAGE:1911932 3' similar to gb:K02276 MYC PROTO-ONCOGENE PROTEIN (HUMAN);, mRNA sequence [AI278811]	0.164	
THC2134410	Oncogene	AI732190 ae38f11.x5 Gessler Wilms tumor Homo sapiens cDNA clone IMAGE:898125 3', mRNA sequence [AI732190]	4.095	
AY117690	Oncogene	Homo sapiens lung cancer oncogene 5 (HLC5) mRNA, complete cds. [AY117690]	0.312	
TMEFF2	Oncogene	Homo sapiens mRNA for tomoregulin, complete cds. [AB004064]	0.305	0.104

AY170823	Oncogene	Homo sapiens transformation-related protein 2 mRNA, complete cds. [AY170823]	0.303	
AI457687	Other	AI457687 tj48g10.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:2144802 3' similar to TR:O22899 O22899 RNA HELICASE ISOLOG. ;, mRNA sequence [AI457687]	0.276	
AI937689	Other	AI937689 wp82d09.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2468273 3' similar to gb:M32886 SORCIN (HUMAN);, mRNA sequence [AI937689]	0.275	
ADM	Other	Homo sapiens adrenomedullin (ADM), mRNA [NM_001124]	3.745	
AF271776	Other	Homo sapiens DC48 mRNA, complete cds. [AF271776]	0.227	
DPYSL3	Other	Homo sapiens dihydropyrimidinase-like 3 (DPYSL3), mRNA [NM_001387]	3.949	
FTH1	Other	Homo sapiens ferritin, heavy polypeptide 1, mRNA (cDNA clone IMAGE:3874046). [BC032091]	0.084	
FTHL7	Other	Homo sapiens ferritin, heavy polypeptide-like 7 (FTHL7) on chromosome 13 [NR_002202]	0.075	
XTP7	Other	Homo sapiens protein 7 transactivated by hepatitis B virus X antigen (HBxAg) (XTP7), mRNA [NM_138568]	3.777	4.126
SDK2	Other	Homo sapiens sidekick homolog 2 (chicken) (SDK2), mRNA [NM_019064]	4.410	3.912
AF187554	Other	Homo sapiens sperm antigen-36 mRNA, complete cds. [AF187554]	0.182	
THC2182978	Other	TTR320199 immunoglobulin mu heavy chain [Tursiops truncatus] , partial (10%) [THC2182978]	4.322	
AD7C-NTP	Other	Homo sapiens neuronal thread protein AD7c-NTP (AD7C-NTP), mRNA [NM_014486]	3.823	3.404
DUB3	Protease	Homo sapiens deubiquitinating enzyme 3 (DUB3), mRNA [NM_201402]	3.069	
THC2202467	Protease	PSA7_HUMAN (O14818) Proteasome subunit alpha type 7 (Proteasome subunit RC6-1) (Proteasome subunit XAPC7) , partial (22%) [THC2202467]	0.235	
AI567808	Receptor	AI567808 tr62h05.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2222937 3' similar to gb:M14043 ANNEXIN II (HUMAN);, mRNA sequence [AI567808]	0.314	0.081
THC2174183	Receptor	BC012448 thyroid hormone receptor interactor 4 [Homo sapiens] , partial (75%) [THC2174183]	0.261	
DKFZp564K142	Receptor	Homo sapiens implantation-associated protein (DKFZp564K142), mRNA [NM_032121]	3.093	
LENG8	Receptor	Homo sapiens leukocyte receptor cluster (LRC) member 8 (LENG8), mRNA [NM_052925]	3.086	
KCNK7	Receptor	Homo sapiens potassium channel, subfamily K, member 7 (KCNK7), transcript variant C, mRNA [NM_005714]	3.679	3.157
AA780485	Ribosome	ac65f02.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:867483 3' similar to gb:X69392 60S RIBOSOMAL PROTEIN L26 (HUMAN);, mRNA sequence [AA780485]	0.296	0.114
AI613259	Ribosome	AI613259 ty35c04.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:2281062 3' similar to gb:X69391 60S RIBOSOMAL PROTEIN L6 (HUMAN);, mRNA sequence [AI613259]	0.265	0.071
BQ614035	Ribosome	BQ614035 il02g06.x1 Human insulinoma Homo sapiens cDNA clone IMAGE:6028979 3' similar to SW:RS11_HUMAN P04643 40S RIBOSOMAL PROTEIN S11. [1] ;, mRNA sequence [BQ614035]	0.219	
RPS15A	Ribosome	H.sapiens mRNA for ribosomal protein (homologuous to yeast S24). [X62691]	0.113	
RPS15A	Ribosome	H.sapiens mRNA for ribosomal protein (homologuous to yeast S24). [X62691]	0.137	
THC2194550	Ribosome	HUMCH13C3A ribosomal protein small subunit [Homo sapiens] , partial (27%) [THC2194550]	0.067	
N75321	Ribosome	N75321 za79f05.s1 Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone IMAGE:298785 3' similar to SW:RL24_HUMAN P38663 60S RIBOSOMAL PROTEIN L24. [2] PIR:JN0549 ;, mRNA sequence [N75321]	0.192	
THC2166330	Ribosome	RL35_HUMAN (P42766) 60S ribosomal protein L35, partial (67%) [THC2166330]	0.299	

THC2044542	Ribosome	RS10_HUMAN (P46783) 40S ribosomal protein S10, partial (93%) [THC2044542]	0.193	
THC2162618	Ribosome	RS3A_HUMAN (P61247) 40S ribosomal protein S3a, partial (81%) [THC2162618]	0.208	0.085
AA300289	Ribosome	AA300289 EST13009 Uterus tumor I Homo sapiens cDNA 3' end similar to similar to ribosomal protein YL10, mRNA sequence [AA300289]	0.121	
HNRPH1	RNA metabolism	Homo sapiens heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1), mRNA [NM_005520]	0.299	
THC2084699	RNA metabolism	HSEXPOTI Exportin(tRNA) [Homo sapiens] , partial (13%) [THC2084699]	0.204	
THC2083654	RNA metabolism	PR18_HUMAN (Q99633) Pre-mRNA splicing factor 18 (PRP18 homolog) (hPRP18), partial (31%) [THC2083654]	0.286	
AI608782	Skeleton	AI608782 tw94g05.x1 NCI_CGAP_HN6 Homo sapiens cDNA clone IMAGE:2267384 3' similar to gb:K00558 TUBULIN ALPHA-1 CHAIN (HUMAN);, mRNA sequence [AI608782]	0.244	
ACTB	Skeleton	Homo sapiens actin, beta (ACTB), mRNA [NM_001101]	0.160	
RASD1	Skeleton	Homo sapiens RAS, dexamethasone-induced 1 (RASD1), mRNA [NM_016084]	4.053	
TNNI1	Skeleton	Homo sapiens troponin I, skeletal, slow (TNNI1), mRNA [NM_003281]	3.623	3.911
THC2087016	Skeleton	HUMMYLCC smooth muscle myosin light chain {Homo sapiens} , partial (22%) [THC2087016]	0.295	0.129
THC2045155	Skeleton	MLRM_HUMAN (P19105) Myosin regulatory light chain 2, nonsarcomeric (Myosin RLC), complete [THC2045155]	0.269	
THC2200669	Signal	HNT1_HUMAN (P49773) Histidine triad nucleotide-binding protein 1 (Adenosine 5'-monophosphoramidase) (Protein kinase C inhibitor 1) (Protein kinase C-interacting protein 1) (PKCI-1), partial (51%) [THC2200669]	0.136	
ASB16	Signal	Homo sapiens ankyrin repeat and SOCS box-containing 16 (ASB16), mRNA [NM_080863]	4.027	
CDKAL1	Signal	Homo sapiens CDK5 regulatory subunit associated protein 1-like 1 (CDKAL1), mRNA [NM_017774]	3.116	
FAM19A4	Signal	Homo sapiens family with sequence similarity 19 (chemokine (C-C motif)-like), member A4 (FAM19A4), transcript variant 1, mRNA [NM_182522]	3.351	
FLJ90024	Signal	Homo sapiens fasting-inducible integral membrane protein TM6P1 (FLJ90024), mRNA [NM_153342]	4.265	
ARHGEF15	Signal	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 15 (ARHGEF15), mRNA [NM_173728]	3.727	
SLA	Signal	Homo sapiens Src-like-adaptor (SLA), mRNA [NM_006748]	3.607	4.085
TRH	Signal	Homo sapiens thyrotropin-releasing hormone (TRH), mRNA [NM_007117]	3.015	
TRAF4	Signal	Homo sapiens TNF receptor-associated factor 4 (TRAF4), transcript variant 1, mRNA [NM_004295]	0.323	
THC2128887	Signal	WSB1_HUMAN (Q9Y6I7) WD repeat and SOCS box containing protein 1 (WSB-1) (SOCS box-containing WD protein SWiP-1), partial (55%) [THC2128887]	0.268	0.142
THC2162031	Structure	TCPH_HUMAN (Q99832) T-complex protein 1, eta subunit (TCP-1-eta) (CCT-eta) (HIV-1 Nef interacting protein), partial (80%) [THC2162031]	0.261	
HDAC4	Transcription	Homo sapiens histone deacetylase 4 (HDAC4), mRNA [NM_006037]	3.066	
JUND	Transcription	Homo sapiens jun D proto-oncogene (JUND), mRNA [NM_005354]	3.342	
TIP120A	Transcription	Homo sapiens TBP-interacting protein (TIP120A), mRNA [NM_018448]	3.298	
TCF15	Transcription	Homo sapiens transcription factor 15 (basic helix-loop-helix) (TCF15), mRNA [NM_004609]	4.081	
ZNF403	Transcription	Homo sapiens zinc finger protein 403 (ZNF403), mRNA [NM_024835]	3.413	
MKRN4	Transcription	Makorin 4 (Zinc finger protein 127-Xp) (ZNF127-Xp). [Source:Uniprot/SWISSPROT;Acc:Q13434] [ENST00000355859]	3.056	
THC2203017	Transcription	Q08243 (Q08243) CCAAT-binding protein (Fragment), partial (32%) [THC2203017]	0.295	

W45382	Transcription	W45382 zc80e10.s1 Pancreatic Islet Homo sapiens cDNA clone IMAGE:328650 3' similar to gb:D13748 EUKARYOTIC INITIATION FACTOR 4A-I (HUMAN);, mRNA sequence [W45382]	0.218	
THC2022176	Transcription	AA601920 np02d02.s1 NCI_CGAP_Pr2 Homo sapiens cDNA clone IMAGE:1115139 similar to gb:M90356_cds1 TRANSCRIPTION FACTOR BTF3 (HUMAN);, mRNA sequence [AA601920]	0.185	0.142
GLTSCR1	Tumor sup	Homo sapiens glioma tumor suppressor candidate region gene 1 (GLTSCR1), mRNA [NM_015711]	3.986	
