

Dataset. ER α -bound Promoters in E2-MCF7 Cells					
#	Gene Name	RefSeq	Gene Description	ER α	
				Ratio	P-value
1	STRBP	NM_018387	spermatid perinuclear RNA binding protein	82.06	0
2	C11ORF4	NM_020155	chromosome 11 hypothetical protein ORF4	59.44	0
3	GPR77	NM_018485	G protein-coupled receptor 77	52.97	0
4	HNRPA2B1	NM_031243	heterogeneous nuclear ribonucleoprotein A2/B1	35.54	0
5	SUB1P1	XM_496965	similar to Activated RNA polymerase II transcriptional coactivator p15 (Positive cofactor 4)	34.82	0
6	DICER1	NM_177438	Dicer1, Dcr-1 homolog (Drosophila)	31.3	0
7	TFF1	NM_003225	trefoil factor 1 (breast cancer, estrogen-inducible sequence expressed in)	31	0
8	NUDT3	NM_006703	nudix (nucleoside diphosphate linked moiety X)-type motif 3	30.65	0
9	DDX17	NM_006386	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	27.45	0
10	CHPT1	NM_020244	choline phosphotransferase 1	25.74	0
11	LY6E	NM_002346	lymphocyte antigen 6 complex, locus E	23.97	0.000001
12	ZNF669	NM_024804	zinc finger protein 669	21.99	0
13	PPIA	NM_021130	peptidylprolyl isomerase A (cyclophilin A)	19.74	0
14	ABCC11	NM_032583	ATP-binding cassette, sub-family C (CFTR/MRP), member 11	19.47	0
15	GABARAP	NM_007278	GABA(A) receptor-associated protein	19.34	0
16	GSK3A	NM_019884	glycogen synthase kinase 3 alpha	18.98	0
17	ZNF395	NM_018660	zinc finger protein 395	17.49	0
18	C9orf90	NM_197956	chromosome 9 open reading frame 90	17.46	0
19	SLC25A25	NM_001006641	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25	17.46	0
20	SLTM	NM_024755	SAFB-like, transcription modulator	16.36	0
21	LOC147354	XM_085777	similar to additional sex combs like 2; polycomb group protein ASXH2	16.22	0
22	MAX	NM_145112	MAX protein	15.7	0
23	CALCOCO1	NM_020898	calcium binding and coiled-coil domain 1	15.31	0
24	MGC72075	NM_199136	hypothetical protein MGC72075	15.19	0
25	FAM44B	NM_138369	family with sequence similarity 44, member B	14.56	0
26	EIF4G2	NM_001418	eukaryotic translation initiation factor 4 gamma, 2	14.21	0
27	URKL1	NM_017859	uridine kinase-like 1	13.85	0
28	SLC45A4	XM_050325	KIAA1126 protein	13.67	0
29	SLC25A36	NM_018155	hypothetical protein FLJ10618	13.66	0
30	ANXA9	NM_003568	annexin A9	13.51	0
31	ST3GAL2	NM_006927	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	12.91	0
32	SHANK3	XM_037493	SH3 and multiple ankyrin repeat domains 3	12.86	0
33	TSNAXIP1	NM_018430	translin-associated factor X interacting protein 1	12.82	0
34	ENY2	NM_020189	enhancer of yellow 2 homolog (Drosophila)	12.62	0
35	FLJ13265	NM_024877	hypothetical protein FLJ13265	12.62	0
36	C18ORF55	NM_014177	HSPC154 protein	12.42	0
37	BANP	NM_017869	BTG3 associated nuclear protein	12.33	0
38	Gup1	NM_152451	GRINL1A complex upstream protein	12.33	0
39	PRCC	NM_005973	papillary renal cell carcinoma (translocation-associated)	12.14	0
40	RC74	NM_018250	integrator complex subunit 9	12.11	0
41	FLJ21616	NM_024567	hypothetical protein FLJ21616	12.11	0
42	SMPD3	NM_018667	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	11.98	0
43	FLJ30277	NM_153008	hypothetical protein FLJ30277	11.71	0
44	IMP-3	NM_006547	IGF-II mRNA-binding protein 3	11.6	0
45	TAF6L	NM_006473	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kD	11.52	0
46	LOC374395	NM_199337	similar to RIKEN cDNA 1810059G22	11.52	0
47	PDCD6IP	NM_013374	programmed cell death 6 interacting protein	11.43	0.000001
48	GREB1	NM_014668	GREB1 protein	11.43	0
49	RANBP10	NM_020850	Ran-binding protein 10	11.39	0
50	JUND	NM_005354	jun D proto-oncogene	11.01	0
51	LOC340549	XM_293332	similar to RIKEN cDNA 1700113O17	10.97	0
52	FLJ33718	NM_173660	hypothetical protein FLJ33718	10.9	0
53	WISP2	NM_003881	WNT1 inducible signaling pathway protein 2	10.62	0
54	LOC391714	XM_373039	similar to ring finger protein 129	10.44	0
55	BAD	NM_004322	BCL2-antagonist of cell death	10.43	0
56	LOC342865	XM_292785	similar to contains transmembrane (TM) region	10.35	0
57	THSD6	NM_213604	thrombospondin, type I domain containing 6	10.19	0
58	TJP2	NM_201629	similar to adenylate kinase 3 alpha like	10.12	0
59	DSCR3	NM_006052	Down syndrome critical region gene 3	9.96	0
60	CASP7	NM_033340	caspase 7, apoptosis-related cysteine protease	9.71	0
61	C20orf166	NM_178463	chromosome 20 open reading frame 166	9.6	0
62	BUB3	NM_004725	BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)	9.44	0
63	LOC388122	XM_370865	similar to Laminin receptor 1	9.35	0
64	LOC391269	XM_372876	similar to hypothetical protein DKFZp434A171	9.34	0
65	TUSC4/NPR2L	NM_006545	tumor suppressor candidate 4	9.09	0
66	ZNF444	NM_018337	zinc finger protein 444	9.02	0
67	MAP2K7	NM_145185	mitogen-activated protein kinase kinase 7	9.02	0
68	MTRF1	NM_004294	mitochondrial translational release factor 1	8.96	0
69	MDM2	NM_002392	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)	8.85	0
70	PDCD10	NM_007217	programmed cell death 10	8.82	0
71	C14orf133	NM_022067	chromosome 14 open reading frame 133	8.71	0
72	XKR4	NM_052898	X Kell blood group precursor-related family, member 4	8.68	0
73	SC4MOL	NM_006745	sterol-C4-methyl oxidase-like	8.64	0
74	C6orf69	NM_173562	chromosome 6 open reading frame 69	8.5	0
75	KBTBD6	NM_152903	kelch repeat and BTB (POZ) domain containing 6	8.48	0
76	AOX1	NM_153042	amine oxidase (flavin containing) domain 1	8.48	0
77	TPMT	NM_000367	thiopurine S-methyltransferase	8.48	0
78	SRI	NM_198901	sorcin	8.42	0
79	ZFPM1	NM_153813	zinc finger protein, multitype 1	8.39	0
80	MOGAT1	NM_058165	monoacylglycerol O-acyltransferase 1	8.34	0
81	LOC388481	XM_373780	LOC388481	8.32	0
82	NETO1	NM_138966	neuropilin (NRP) and tollid (TLL)-like 1	8.32	0
83	USP5	NM_003481	ubiquitin specific protease 5 (isopeptidase T)	8.31	0
84	GSK3B	NM_002093	glycogen synthase kinase 3 beta	8.24	0
85	KIAA0664	NM_015229	KIAA0664 protein	8.02	0
86	MAN1A1	NM_005907	mannosidase, alpha, class 1A, member 1	7.98	0
87	CRKL	NM_005207	v-crk sarcoma virus CT10 oncogene homolog (avian)-like	7.88	0
88	C9orf103	NM_001001551	chromosome 9 open reading frame 103	7.74	0

89	AMZ1	NM_133463	archaemetzincin-1	7.72	0
90	LOC388893	XM_373954	LOC388893	7.67	0
91	SAP30	NM_003864	sin3-associated polypeptide, 30kDa	7.65	0
92	STCH	NM_006948	stress 70 protein chaperone, microsome-associated, 60kDa	7.57	0
93	AHSA1	NM_012111	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)	7.55	0
94	C2orf13	NM_173545	chromosome 2 open reading frame 13	7.48	0
95	LOC554251	NM_001024680	hypothetical protein LOC554251	7.48	0
96	CBX3	NM_007276	chromobox homolog 3 (HP1 gamma homolog, Drosophila)	7.45	0
97	OR2W3	NM_001001957	olfactory receptor, family 2, subfamily W, member 3	7.45	0
98	GTF2I	NM_001518	general transcription factor II, I	7.43	0
99	PEMT	NM_148172	phosphatidylethanolamine N-methyltransferase	7.42	0
100	DDX23	NM_004818	DEAD (Asp-Glu-Ala-Asp) box polypeptide 23	7.29	0
101	MGC12965	NM_198519	similar to Cytochrome c, somatic	7.29	0
102	LOC391306	XM_372894	similar to Hypothetical protein DJ1198H6.2	7.29	0
103	MBD6	NM_052897	methyl-CpG binding domain protein 6	7.26	0
104	KRTAP18-6	NM_198688	keratin associated protein 18-6	7.23	0
105	CYP1B1	NM_000104	cytochrome P450, family 1, subfamily B, polypeptide 1	7.19	0
106	LOC283932	NM_175901	hypothetical protein LOC283932	7.18	0
107	DNAJC17	NM_018163	DnaJ (Hsp40) homolog, subfamily C, member 17	7.12	0
108	TRAML1	NM_152402	translocation associated membrane protein 1-like 1	7.08	0
109	MCP	NM_002389	membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen)	7.03	0
110	KEAP1	NM_012289	kelch-like ECH-associated protein 1	6.99	0
111	PRDX6	NM_004905	peroxiredoxin 6	6.93	0
112	LRRC22	NM_001017924	leucine rich repeat containing 22	6.92	0
113	TIPARP	NM_015508	TCDD-inducible poly(ADP-ribose) polymerase	6.91	0
114	TSC2D3	NM_198057	TSC22 domain family, member 3	6.89	0
115	MITF	NM_198159	microphthalmia-associated transcription factor	6.88	0
116	LOC392426	XM_373339	similar to Nucleolar phosphoprotein p130 (Nucleolar 130 kDa protein) (140 kDa nucleolar p	6.87	0
117	RAB7L1	NM_003929	RAB7, member RAS oncogene family-like 1	6.83	0
118	IL17RB	NM_018725	interleukin 17 receptor B	6.74	0
119	CHDH	NM_018397	choline dehydrogenase	6.74	0
120	WDTC1	NM_015023	WD and tetratricopeptide repeats 1	6.73	0
121	GTPBP2	NM_019096	GTP binding protein 2	6.71	0
122	MAD2L1BP	NM_014628	MAD2L1 binding protein	6.71	0
123	C6orf213	NM_001010852	chromosome 6 open reading frame 213	6.67	0
124	CHMP4B	NM_176812	chromatin modifying protein 4B	6.65	0
125	RNF14	NM_183399	ring finger protein 14	6.63	0
126	LOC387725	AK097584	Homo sapiens hypothetical gene supported by AK097584 (LOC387725),	6.54	0
127	PRUNE	NM_021222	prune homolog (Drosophila)	6.53	0
128	SLC7A2	NM_003046	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	6.51	0
129	C1QTNF6	NM_031910	C1q and tumor necrosis factor related protein 6	6.51	0
130	ZNF189	NM_003452	zinc finger protein 189	6.5	0
131	FLJ20097	NM_024553	hypothetical protein FLJ20097	6.5	0
132	MRPL50	NM_019051	mitochondrial ribosomal protein L50	6.5	0
133	LOC391130	XM_372803	similar to ribosomal protein S17	6.49	0
134	FBXW11	NM_033645	F-box and WD-40 domain protein 11	6.45	0
135	EBAG9	NM_004215	estrogen receptor binding site associated, antigen, 9	6.41	0
136	OR10A3	NM_001003745	olfactory receptor, family 10, subfamily A, member 3	6.36	0
137	LOC390999	XM_372760	similar to Hypothetical protein DJ1198H6.2	6.34	0
138	CRTC2	NM_181715	CREB regulated transcription coactivator 2	6.33	0
139	LOC390794	XM_372672	Homo sapiens similar to keratin associated protein 4-12; keratin	6.32	0
140	NTAN1	NM_173474	N-terminal asparagine amidase	6.31	0
141	TRA1	NM_003299	tumor rejection antigen (gp96) 1	6.24	0
142	SEC31L1	NM_016211	SEC31-like 1 (S. cerevisiae)	6.24	0
143	IL20	NM_018724	interleukin 20	6.23	0
144	LOC390945	XM_372735	similar to paraneoplastic neuronal antigen MM2	6.23	0
145	AMOTL2	NM_016201	angiominin like 2	6.22	0
146	SFRS1	NM_006924	splicing factor, arginine/serine-rich 1 (splicing factor 2, alternate splicing factor)	6.19	0
147	LOC392208	XM_373246	similar to Ac2-210	6.15	0
148	LOC391341	XM_372909	Homo sapiens similar to MGC52679 protein (LOC391341), mRNA.	6.14	0
149	CDC42BPA	NM_003607	CDC42 binding protein kinase alpha (DMPK-like)	6.11	0
150	TTC9	XM_027236	tetratricopeptide repeat domain 9	6.02	0
151	PTMA	NM_002823	prothymosin, alpha (gene sequence 28)	6.01	0
152	C9orf5	NM_032012	chromosome 9 open reading frame 5	5.97	0
153	GSPT1	NM_002094	G1 to S phase transition 1	5.96	0
154	CLASP2	NM_015097	cytoplasmic linker associated protein 2	5.96	0
155	SHARPIN	NM_030974	SHANK-associated RH domain interactor	5.95	0
156	C21orf13	NM_152505	chromosome 21 open reading frame 13	5.93	0
157	INVS	NM_014425	inversin	5.92	0
158	HMG4L	NM_178467	high-mobility group (nonhistone chromosomal) protein 4-like	5.92	0
159	TXNDC4	NM_015051	thioredoxin domain containing 4 (endoplasmic reticulum)	5.92	0
160	FLJ20105	NM_017669	hypothetical protein FLJ20105	5.87	0.000002
161	VAPA	NM_003574	VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa	5.87	0
162	TU12B1-TY	NM_016575	TU12B1-TY protein	5.86	0
163	STC2	NM_003714	stanniocalcin 2	5.86	0
164	PRPF31	NM_015629	PRPF31 pre-mRNA processing factor 31 homolog (yeast)	5.85	0
165	TFPT	NM_013342	TCF3 (E2A) fusion partner (in childhood Leukemia)	5.85	0
166	NEDD4L	NM_015277	neural precursor cell expressed, developmentally down-regulated 4-like	5.84	0
167	ACTR1A	NM_005736	ARP1 actin-related protein 1 homolog A, contractin alpha (yeast)	5.82	0
168	BTRC	NM_003939	beta-transducin repeat containing	5.81	0
169	BCL3	NM_005178	B-cell CLL/lymphoma 3	5.8	0.000001
170	LOC284527	XM_211509	hypothetical gene supported by BC016972	5.79	0
171	SEL1L	NM_005065	sel-1 suppressor of lin-12-like (C. elegans)	5.78	0
172	ZNF337	NM_015655	zinc finger protein 337	5.72	0
173	SF4	NM_021164	splicing factor 4	5.71	0
174	SF4	NM_021164	splicing factor 4	5.7	0
175	NCLN	NM_020170	nicalin homolog (zebrafish)	5.68	0
176	PDZK1	NM_002614	PDZ domain containing 1	5.67	0
177	TRAF7	NM_032271	TNF receptor-associated factor 7	5.64	0
178	CSS3	NM_175856	chondroitin sulfate synthase 3	5.64	0
179	MAP3K4	NM_005922	mitogen-activated protein kinase kinase kinase 4	5.61	0.000007
180	NEDD8	NM_006156	neural precursor cell expressed, developmentally down-regulated 8	5.61	0
181	ARID4B	NM_016374	AT rich interactive domain 4B (RBP1-like)	5.6	0

182	LOC220061	XM_169227	similar to proline rich antigen 2	5.58	0
183	LTA4H	NM_000895	leukotriene A4 hydrolase	5.56	0.000001
184	DYNC1H2	NM_001378	dynein, cytoplasmic, intermediate polypeptide 2	5.56	0
185	OR8B12	NM_001005195	olfactory receptor, family 8, subfamily B, member 12	5.56	0
186	LOC390353	XM_372474	similar to ribosomal protein L9	5.55	0
187	LOC343384	XM_291544	similar to peptidyl-Pro cis trans isomerase	5.54	0
188	ZNF140	NM_003440	zinc finger protein 140 (clone pHZ-39)	5.52	0
189	LOC283034	XM_210860	hypothetical LOC283034	5.51	0
190	SOLH	NM_005632	small optic lobes homolog (Drosophila)	5.48	0
191	QTRTD1	NM_024638	queuine tRNA-ribosyltransferase domain containing 1	5.48	0
192	KIAA1005	NM_015272	KIAA1005 protein	5.48	0
193	KIAA1407	NM_020817	KIAA1407	5.48	0
194	TJP1	NM_003257	tight junction protein 1 (zona occludens 1)	5.46	0
195	PHF21A	NM_016621	PHD finger protein 21A	5.46	0
196	LOC133619	NM_130809	hypothetical protein MGC12103	5.44	0
197	LOC391021	XM_372771	similar to secreted acid phosphatase 2 (SAP2)	5.44	0
198	WBP2	NM_012478	WW domain binding protein 2	5.4	0
199	SCNM1	NM_024041	sodium channel modifier 1	5.4	0
200	LYSMD1	NM_212551	LysM, putative peptidoglycan-binding, domain containing 1	5.4	0
201	BAT4	NM_033177	HLA-B associated transcript 4	5.38	0.000003
202	CSNK2B	NM_001320	casein kinase 2, beta polypeptide	5.38	0.000003
203	CLPB	NM_030813	ClpB caseinolytic peptidase B homolog (E. coli)	5.38	0
204	HBP1	NM_012257	HMG-box transcription factor 1	5.37	0
205	C1orf162	NM_174896	chromosome 1 open reading frame 162	5.36	0
206	SCDR10	NM_198533	short-chain dehydrogenase/reductase 10	5.36	0
207	FAM96A	NM_032231	family with sequence similarity 96, member A	5.35	0.000001
208	CYP4F11	NM_021187	cytochrome P450, family 4, subfamily F, polypeptide 11	5.3	0
209	UCRC	NM_013387	ubiquinol-cytochrome c reductase complex (7.2 kD)	5.3	0
210	PHF23	NM_024297	PHD finger protein 23	5.29	0
211	LOC391030	XM_372777	similar to forkhead box protein O6	5.27	0
212	LOC387882	NM_207376	hypothetical protein	5.25	0
213	FUK	NM_145059	fucokinase	5.24	0
214	LOC151261	XM_098030	hypothetical LOC151261	5.2	0
215	LOC390570	XM_372566	similar to GLP_457_13116_11626	5.19	0
216	RIC8B	NM_018157	resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	5.18	0
217	RALBP1	NM_006788	ralA binding protein 1	5.17	0
218	PKIB	NM_032471	protein kinase (cAMP-dependent, catalytic) inhibitor beta	5.17	0
219	SMARCAL1	NM_014140	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like	5.16	0
220	ADORA1	NM_000674	adenosine A1 receptor	5.13	0.000001
221	_ZC3H5	XM_036115	zinc finger CCCH type domain containing 5	5.13	0
222	C13orf21	XM_370724	chromosome 13 open reading frame 21	5.13	0
223	TTC13	NM_024525	tetratricopeptide repeat domain 13	5.12	0.000001
224	ARV1	NM_022786	ARV1 homolog (yeast)	5.12	0.000001
225	PAFAH2	NM_000437	platelet-activating factor acetylhydrolase 2, 40kDa	5.12	0
226	LOC116123	NM_138784	hypothetical protein BC014341	5.12	0
227	CDC14A	NM_003672	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	5.09	0
228	HK1	NM_033496	hexokinase 1	5.09	0
229	FLJ16518	XM_372199	FLJ16518 protein	5.08	0
230	ING3	NM_019071	inhibitor of growth family, member 3	5.07	0
231	HSF2BP	NM_007031	heat shock transcription factor 2 binding protein	5.05	0.000027
232	NUDCD1	NM_032869	NudC domain containing 1	5.05	0
233	OSRF	NM_012382	osmosis responsive factor	5.03	0
234	XPO7	NM_015024	exportin 7	5.02	0
235	LOC391538	XM_372990	Homo sapiens similar to fructose-1,6-bisphosphate aldolase A	5	0
236	TMEM48	NM_018087	transmembrane protein 48	4.98	0.000031
237	LOC375583	XM_353426	Homo sapiens LOC375583 (LOC375583), mRNA.	4.98	0
238	DMWD	NM_004943	Homo sapiens dystrophia myotonica-containing WD repeat motif	4.97	0
239	ZNF354B	NM_058230	zinc finger protein 354B	4.96	0
240	FLJ22955	NM_024819	hypothetical protein FLJ22955	4.93	0.000023
241	NMT1	NM_021079	N-myristoyltransferase 1	4.93	0.000023
242	AP2M1	NM_004068	adaptor-related protein complex 2, mu 1 subunit	4.91	0
243	LOC456454	XM_513047	similar to KIAA1026 protein	4.91	0
244	RPL18A	NM_000980	ribosomal protein L18a	4.9	0
245	TIMM22	NM_013337	translocase of inner mitochondrial membrane 22 homolog (yeast)	4.88	0
246	DHX57	NM_198963	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	4.86	0
247	YKT6	NM_006555	SNARE protein Ykt6	4.85	0
248	AGR2	NM_006408	anterior gradient 2 homolog (Xenopus laevis)	4.85	0
249	Cep290	NM_025114	centrosome protein cep290	4.83	0
250	SMILE	NM_181783	SMILE protein	4.83	0
251	FLJ21742	NM_032207	hypothetical protein FLJ21742	4.82	0
252	CALR3	NM_145046	calreticulin 3	4.82	0
253	PHB	NM_002634	prohibitin	4.79	0
254	ZNF331	NM_018555	zinc finger protein 331	4.77	0.000001
255	ANXA6	NM_001155	annexin A6	4.74	0
256	MDS025	NM_021825	hypothetical protein MDS025	4.71	0.000003
257	ZFYVE1	NM_021260	zinc finger, FYVE domain containing 1	4.7	0
258	MGRN1	NM_015246	mahogunin, ring finger 1	4.69	0
259	PPP1R12C	NM_017607	protein phosphatase 1, regulatory (inhibitor) subunit 12C	4.66	0.000003
260	BRMS1L	NM_032352	breast cancer metastasis-suppressor 1-like	4.65	0
261	FLJ21272	AK024925	Homo sapiens hypothetical protein FLJ21272 (FLJ21272), mRNA.	4.64	0.000028
262	MGP	NM_000900	matrix Gla protein	4.64	0.000002
263	INPP4B	NM_003866	inositol polyphosphate-4-phosphatase, type II, 105kDa	4.64	0.000001
264	MYOT	NM_006790	myotilin	4.63	0.000001
265	PTP4A2	NM_003479	protein tyrosine phosphatase type IVA, member 2	4.63	0
266	FAM63A	NM_018379	family with sequence similarity 63, member A	4.57	0.000024
267	ATBF1	NM_006885	AT-binding transcription factor 1	4.57	0.000008
268	RBL1	NM_002895	retinoblastoma-like 1 (p107)	4.56	0
269	CUGBP1	NM_198700	CUG triplet repeat, RNA binding protein 1	4.54	0
270	SRRM2	NM_016333	serine/arginine repetitive matrix 2	4.54	0
271	LOC391322	XM_372900	similar to D-dopachrome tautomerase (Phenylpyruvate tautomerase II)	4.53	0.000001
272	LOC390920	XM_372724	similar to Zinc finger protein 132	4.53	0.000001
273	PES1	NM_014303	pescadillo homolog 1, containing BRCT domain (zebrafish)	4.53	0
274	C21orf122	BC004343	Homo sapiens chromosome 21 open reading frame 122 (C21orf122),	4.51	0

275	ZMAT5	NM_019103	zinc finger, matrin type 5	4.5	0
276	THRFP3	NM_005119	thyroid hormone receptor associated protein 3	4.49	0.000001
277	LOC387861	XM_370695	similar to K+ channel tetramerization protein	4.48	0.000003
278	VCIP1	NM_025054	valosin-containing protein (p97)/p47 complex-interacting protein p135	4.48	0
279	VRK3	NM_016440	vaccinia related kinase 3	4.48	0
280	ZNF473	NM_015428	zinc finger protein 473	4.48	0
281	LOC391161	XM_372811	similar to ribosomal protein L31	4.48	0
282	HBXAP	NM_016578	hepatitis B virus x associated protein	4.47	0.000001
283	C11orf30	NM_020193	chromosome 11 open reading frame 30	4.46	0
284	ZNRF1	NM_032268	zinc and ring finger protein 1	4.45	0
285	NAALADL2	NM_207015	N-acetylated alpha-linked acidic dipeptidase-like 2	4.45	0
286	RIPK5	NM_015375	receptor interacting protein kinase 5	4.42	0.000002
287	TMEM4	NM_014255	transmembrane protein 4	4.41	0.000002
288	FEM1A	NM_018708	fem-1 homolog a (C.elegans)	4.41	0.000002
289	FLJ34043	XM_085830	hypothetical LOC147649	4.39	0
290	PPP1R12B	NM_002481	protein phosphatase 1, regulatory (inhibitor) subunit 12B	4.38	0.000002
291	C10orf9	NM_181698	chromosome 10 open reading frame 9	4.36	0.000001
292	PTD015	NM_024684	PTD015 protein	4.36	0
293	BACH2	NM_021813	BTB and CNC homology 1, basic leucine zipper transcription factor 2	4.35	0
294	SPTBN4	NM_020971	spectrin, beta, non-erythrocytic 4	4.33	0
295	TSSC4	NM_005706	tumor suppressing subtransferable candidate 4	4.31	0
296	UBADC1	NM_016172	ubiquitin associated domain containing 1	4.31	0
297	CDK5	NM_004935	cyclin-dependent kinase 5	4.29	0.00005
298	SPINK2	NM_021114	serine protease inhibitor, Kazal type 2 (acrosin-trypsin inhibitor)	4.28	0.000003
299	MGC11242	NM_024320	hypothetical protein MGC11242	4.28	0.000001
300	WWP1	NM_007013	WW domain-containing protein 1	4.26	0
301	ANKRD2	NM_020349	ankyrin repeat domain 2 (stretch responsive muscle)	4.26	0
302	ESCO2	NM_001017420	establishment of cohesion 1 homolog 2 (S. cerevisiae)	4.24	0.000019
303	CYP3A43	NM_022820	cytochrome P450, family 3, subfamily A, polypeptide 43	4.24	0.000002
304	GMPR2	NM_016576	guanosine monophosphate reductase 2	4.24	0.000001
305	LOC392467	XM_373349	similar to melanoma antigen, family B, 4; melanoma-associated antigen B4	4.24	0
306	SLITL2	NM_138440	slit-like 2 (Drosophila)	4.23	0
307	SLC26A1	NM_022042	solute carrier family 26 (sulfate transporter), member 1	4.23	0
308	PABPC1	NM_002568	poly(A) binding protein, cytoplasmic 1	4.22	0.000002
309	EFCAB2	NM_032328	EF-hand calcium binding domain 2	4.21	0.000002
310	CHCHD3	NM_017812	coiled-coil-helix-coiled-coil-helix domain containing 3	4.19	0
311	FOXA1	NM_004496	forkhead box A1	4.19	0
312	CAST	NM_173060	calpastatin	4.16	0
313	LENG5	NM_024298	leukocyte receptor cluster (LRC) member 5	4.15	0
314	BLVRB	NM_000713	biliverdin reductase B (flavin reductase (NADPH))	4.15	0
315	TSEN34	NM_024075	tRNA splicing endonuclease 34 homolog (SEN34, S. cerevisiae)	4.15	0
316	OR5AC2	NM_054106	olfactory receptor, family 5, subfamily AC, member 2	4.14	0
317	LOC152098	XM_087384	hypothetical protein LOC152098	4.13	0.000003
318	SUV420H1	NM_016028	suppressor of variegation 4-20 homolog 1 (Drosophila)	4.12	0.000001
319	CAND1	NM_018448	cullin-associated and neddylation-dissociated 1	4.11	0.000017
320	ARL6IP2	NM_022374	ADP-ribosylation factor-like 6 interacting protein 2	4.11	0.000005
321	ZNF527	XM_030378	zinc finger protein 527	4.11	0.000003
322	KIDINS220	NM_020738	likely homolog of rat kinase D-interacting substance of 220 kDa	4.11	0
323	PCYT1A	NM_005017	phosphate cytidylyltransferase 1, choline, alpha isoform	4.09	0
324	SR-A1	NM_021228	serine arginine-rich pre-mRNA splicing factor SR-A1	4.08	0.000004
325	C10orf99	XM_370566	chromosome 10 open reading frame 99	4.08	0
326	LOC387736	XM_373483	LOC387736	4.07	0
327	BRI3BP	NM_080626	BRI3 binding protein	4.06	0.000002
328	TBL1XR1	NM_024665	transducin (beta)-like 1X-linked receptor 1	4.06	0
329	FLJ21901	NM_024622	hypothetical protein FLJ21901	4.05	0.000002
330	C14orf145	NM_177527	Homo sapiens chromosome 14 open reading frame 61 (C14orf61), mRNA.	4.05	0
331	LOC90353	NM_145232	LOC90353	4.04	0
332	LOC133993	XM_068632	similar to hypothetical protein MGC52498	4.04	0
333	WRNIP1	NM_020135	Werner helicase interacting protein 1	4.03	0
334	KBTBD7	NM_032138	kelch repeat and BTB (POZ) domain containing 7	4	0.000008
335	C18orf17	NM_153211	chromosome 18 open reading frame 17	3.99	0
336	LOC90485	XM_032059	similar to BC37295_3	3.99	0
337	FBXO15	NM_152676	F-box protein 15	3.98	0.000002
338	MGC34646	NM_173519	hypothetical protein MGC34646	3.97	0
339	LOC388005	XM_370771	Homo sapiens similar to RIKEN cDNA 0610010D24 (LOC388005), mRNA.	3.96	0
340	LOC119710	NM_138787	hypothetical protein BC009561	3.94	0.000013
341	NR1D1	NM_021724	nuclear receptor subfamily 1, group D, member 1	3.94	0
342	EPS8	NM_004447	epidermal growth factor receptor pathway substrate 8	3.93	0.000012
343	CYB561D2	NM_007022	cytochrome b-561 domain containing 2	3.93	0
344	LOC343705	XM_293157	similar to beta-galactoside alpha-2,3-sialyltransferase	3.91	0.000001
345	KIAA1128	NM_018999	KIAA1128 protein	3.91	0
346	IFRD1	NM_001550	interferon-related developmental regulator 1	3.9	0.000001
347	MRPL23	NM_021134	mitochondrial ribosomal protein L23	3.9	0
348	TCEB1	NM_005648	transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C)	3.89	0.000007
349	KIAA1181	NM_020462	KIAA1181 protein	3.88	0.000002
350	TMOD3	NM_014547	tropomodulin 3 (ubiquitous)	3.88	0.000002
351	ABCA3	NM_001089	ATP-binding cassette, sub-family A (ABC1), member 3	3.88	0.000001
352	MNT	NM_020310	MAX binding protein	3.86	0.000001
353	RBED1	NM_032213	RNA binding motif and ELMO domain 1	3.85	0.000002
354	RetSat	NM_017750	all-trans-13,14-dihydroretinol saturase	3.85	0.000002
355	ETFDH	NM_004453	electron-transferring-flavoprotein dehydrogenase	3.85	0
356	LOC201725	NM_001008393	LOC201725	3.85	0
357	FLJ20152	NM_019000	hypothetical protein FLJ20152	3.84	0.000048
358	ZFP36	NM_003407	zinc finger protein 36, C3H type, homolog (mouse)	3.84	0.000002
359	TBX6	NM_004608	T-box 6	3.84	0.000001
360	YPPEL3	NM_031477	yippee-like 3 (Drosophila)	3.84	0.000001
361	LOC196549	NM_145293	similar to hypothetical protein FLJ20897	3.83	0
362	TSNARE1	NM_145003	t-SNARE domain containing 1	3.82	0.000011
363	SLC25A19	NM_021734	solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19	3.81	0.000001
364	WNK1	NM_018979	WNK lysine deficient protein kinase 1	3.8	0.000015
365	B3GNT1	NM_006577	UDP-GlcNAc:betaGal beta-1,3-N-acetylgalucosaminyltransferase 1	3.8	0.000001
366	TGM6	NM_198994	transglutaminase y	3.79	0
367	LOC147975	XM_097351	hypothetical LOC147975	3.79	0

368	ABCC5	NM_005688	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	3.78	0.000001
369	MX1	NM_005962	MAX interactor 1	3.78	0.000001
370	COL20A1	NM_020882	collagen, type XX, alpha 1	3.77	0.000005
371	UMODL1	NM_173568	uromodulin-like 1	3.77	0.000002
372	MR-1	NM_022572	myofibrillogenesis regulator 1	3.77	0.000001
373	DKFZP564H122	NM_015506	DKFZP564H122 protein	3.77	0
374	LOC126661	XM_059061	hypothetical protein LOC126661	3.77	0
375	APBA2BP	NM_031231	amyloid beta (A4) precursor protein-binding, family A, member 2 binding protein	3.75	0
376	TBC1D10C	NM_198517	TBC1 domain family, member 10C	3.74	0.000001
377	FLJ25323	NM_198521	FLJ25323 protein	3.74	0.000001
378	PEX1	NM_000466	peroxisome biogenesis factor 1	3.73	0.000009
379	DKFZp564O0523	NM_032120	DKFZp564O0523	3.73	0.000009
380	ABLIM2	NM_032432	actin binding LIM protein family, member 2	3.73	0
381	IRF2BP2	NM_182972	interferon regulatory factor 2 binding protein 2	3.73	0
382	LOC387783	XM_373505	LOC387783	3.72	0.000002
383	HNRPH2	NM_019597	heterogeneous nuclear ribonucleoprotein H2 (H')	3.72	0.000002
384	GLA	NM_000169	galactosidase, alpha	3.72	0.000002
385	MAPBPIP	NM_014017	mitogen-activated protein-binding protein-interacting protein	3.71	0.000006
386	CFDP1	NM_006324	craniofacial development protein 1	3.68	0.000001
387	PCDHGA11	NM_018914	protocadherin gamma subfamily A, 11	3.68	0
388	FAM13A1	NM_014883	family with sequence similarity 13, member A1	3.68	0
389	COPE	NM_007263	coatamer protein complex, subunit epsilon	3.68	0
390	DDX49	NM_019070	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	3.68	0
391	SNX27	NM_030918	sorting nexin family member 27	3.67	0.000001
392	REXO2	NM_015523	REX2, RNA exonuclease 2 homolog (S. cerevisiae)	3.66	0.000002
393	FCGRT	NM_004107	Fc fragment of IgG, receptor, transporter, alpha	3.66	0.000001
394	BUB1B	NM_001211	BUB1 budding uninhibited by benzimidazoles 1 homolog beta (yeast)	3.66	0.000001
395	PL6	NM_007024	placental protein 6	3.65	0.000017
396	TRIM23	NM_001656	tripartite motif-containing 23	3.65	0.00001
397	CDK10	NM_003674	cyclin-dependent kinase (CDC2-like) 10	3.65	0.00001
398	FLJ13611	NM_024941	FLJ13611	3.65	0.00001
399	PGM2L1	NM_173582	phosphoglucomutase 2-like 1	3.65	0.000003
400	LOC391282	XM_372878	similar to 60S ribosomal protein L23a	3.65	0.000001
401	ITPR1	NM_002222	inositol 1,4,5-triphosphate receptor, type 1	3.64	0.000003
402	UNQ5783	NM_207103	DTFT5783	3.64	0
403	CHCHD4	NM_144636	coiled-coil-helix-coiled-coil-helix domain containing 4	3.63	0.000003
404	TMEM43	NM_024334	transmembrane protein 43	3.63	0.000003
405	ZNF223	NM_013361	zinc finger protein 223	3.62	0
406	RIPK2	NM_003821	receptor-interacting serine-threonine kinase 2	3.61	0.000005
407	RAD21	NM_006265	RAD21 homolog (S. pombe)	3.61	0.000001
408	AKAP1	NM_139275	A kinase (PRKA) anchor protein 1	3.61	0
409	DLG5	NM_004747	discs, large homolog 5 (Drosophila)	3.6	0.000022
410	IGSF3	NM_001542	immunoglobulin superfamily, member 3	3.6	0
411	PCTP	NM_021213	phosphatidylcholine transfer protein	3.57	0.000002
412	TFAP2C	NM_003222	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)	3.56	0.000011
413	FAM35A	NM_019054	family with sequence similarity 35, member A	3.55	0.000007
414	GLUD1	NM_005271	glutamate dehydrogenase 1	3.55	0.000007
415	PLAC1	NM_021796	placenta-specific 1	3.53	0.000021
416	PANK3	NM_024594	pantothenate kinase 3	3.52	0.000002
417	ALS2CR2	NM_018571	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2	3.52	0.000001
418	ALS2CR3	NM_015049	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 3	3.52	0.000001
419	LOC90668	NM_138360	hypothetical protein BC008134	3.51	0.000001
420	RABAC1	NM_006423	Rab acceptor 1 (prenylated)	3.51	0.000001
421	SLC18A1	NM_003053	solute carrier family 18 (vesicular monoamine), member 1	3.5	0.00003
422	MGC50559	NM_173802	hypothetical protein MGC50559	3.5	0.000007
423	STXBP4	NM_178509	syntaxin binding protein 4	3.5	0.000005
424	COX11	NM_004375	COX11 homolog, cytochrome c oxidase assembly protein (yeast)	3.5	0.000005
425	AAMP	NM_001087	angio-associated, migratory cell protein	3.49	0.000004
426	GARNL4	NM_015085	GTPase activating RANGAP domain-like 4	3.47	0.000004
427	SNX14	NM_020468	sorting nexin 14	3.47	0.000002
428	C9orf121	NM_145283	chromosome 9 open reading frame 121	3.46	0.000001
429	DKFZP564D166	XM_371074	putative ankyrin-repeat containing protein	3.45	0.000005
430	GLRX	NM_002064	glutaredoxin (thioltransferase)	3.44	0.00004
431	FLJ39421	NM_178519	hypothetical protein FLJ39421	3.44	0.000003
432	SPIRE2	NM_032451	spire homolog 2 (Drosophila)	3.41	0.000006
433	PCNP	NM_020357	PEST-containing nuclear protein	3.41	0.000001
434	HEXIM1	NM_006460	hexamethylene bis-acetamide inducible 1	3.4	0.000014
435	RAB30	NM_014488	RAB30, member RAS oncogene family	3.4	0.000011
436	TPBG	NM_006670	trophoblast glycoprotein	3.4	0
437	UBR2	NM_015255	ubiquitin protein ligase E3 component n-recognin 2	3.39	0.000008
438	LOC391654	XM_373026	similar to Hypothetical protein MGC66426	3.39	0.000007
439	GGPS1	NM_004837	geranylgeranyl diphosphate synthase 1	3.39	0.000005
440	SEMA3B	NM_004636	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B	3.36	0.000041
441	ZNF605	NM_183238	zinc finger protein 605	3.36	0.000006
442	FLJ30990	NM_152517	hypothetical protein FLJ30990	3.36	0.000001
443	TMEM30B	NM_001017970	transmembrane protein 30B	3.36	0.000001
444	RXRβ	NM_021976	retinoid X receptor, beta	3.36	0.000001
445	SLC39A7	NM_006979	solute carrier family 39 (zinc transporter), member 7	3.36	0.000001
446	ZNF225	NM_013362	zinc finger protein 225	3.35	0.000002
447	ZNF571	NM_016536	zinc finger protein 571	3.35	0.000001
448	SPPL2A	NM_032802	putative intramembrane cleaving protease	3.34	0.000026
449	USP31	NM_020718	ubiquitin specific protease 31	3.34	0.000004
450	C1orf121	NM_016076	chromosome 1 open reading frame 121	3.34	0.000002
451	MEN1	NM_130800	multiple endocrine neoplasia 1	3.34	0.000001
452	NYD-SP11	XM_371164	NYD-SP11 protein	3.33	0.000009
453	SIPA1L3	NM_015073	signal-induced proliferation-associated 1 like 3	3.33	0.000009
454	FOXC1	NM_001453	forkhead box C1	3.33	0.000001
455	ZNF302	NM_018675	zinc finger protein 302	3.32	0.000007
456	C6orf187	XM_166305	Homo sapiens chromosome 6 open reading frame 187 (C6orf187), mRNA.	3.32	0.000003
457	LOC91801	NM_138775	hypothetical protein BC015183	3.31	0.000012
458	PPP2R5D	NM_006245	protein phosphatase 2, regulatory subunit B (B56), delta isoform	3.31	0.000008
459	C10orf22	NM_032804	chromosome 10 open reading frame 22	3.31	0.000002
460	FLJ11151	NM_018340	hypothetical protein FLJ11151	3.3	0.000036

461	C1QDC1	NM_023925	C1q domain containing 1	3.3	0.000001
462	TPM3	NM_152263	tropomyosin 3	3.29	0.000006
463	PIK3C2G	NM_004570	phosphoinositide-3-kinase, class 2, gamma polypeptide	3.27	0.000024
464	PUS1	NM_025215	pseudouridylate synthase 1	3.27	0.000008
465	SPIN1	NM_032038	spinster-like	3.27	0.000003
466	NUDT13	NM_015901	nudix (nucleoside diphosphate linked moiety X)-type motif 13	3.24	0.000008
467	CALM2	NM_001743	calmodulin 2 (phosphorylase kinase, delta)	3.23	0.000005
468	CDCA3	NM_031299	cell division cycle associated 3	3.22	0.000066
469	ELF3	NM_004433	E74-like factor 3 (ets domain transcription factor, epithelial-specific)	3.22	0.000001
470	C14orf10	NM_017917	chromosome 14 open reading frame 10	3.21	0.000026
471	KIAA0391	NM_014672	KIAA0391	3.21	0.000026
472	RPS26	NM_001029	ribosomal protein S26	3.21	0.000018
473	PKD2L2	NM_014386	polycystic kidney disease 2-like 2	3.21	0.000012
474	ZNF272	NM_006635	zinc finger protein 272	3.21	0.000004
475	MLR1	NM_153686	transcription factor MLR1	3.2	0.000015
476	LRMP	NM_006152	lymphoid-restricted membrane protein	3.19	0.000002
477	ARHGEF19	NM_153213	Rho guanine nucleotide exchange factor (GEF) 19	3.18	0.000005
478	TGFA	NM_003236	transforming growth factor, alpha	3.17	0.000002
479	ADSS	NM_001126	adenylosuccinate synthase	3.15	0.000058
480	LOC442528	XM_499275	Homo sapiens similar to retinitis pigmentosa 9 homolog; Pim-1	3.15	0.000009
481	B3GALNT2	NM_152490	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 2	3.15	0.000006
482	MGC13008	BC005072	Homo sapiens hypothetical protein MGC13008 (MGC13008), mRNA.	3.14	0.000036
483	MYO9B	NM_004145	myosin IXB	3.14	0.000023
484	NY-SAR-48	NM_033417	sarcoma antigen NY-SAR-48	3.14	0.000023
485	HIST1H4H	NM_003543	histone 1, H4h	3.14	0.000019
486	FLJ90024	NM_153342	fasting-inducible integral membrane protein TM6P1	3.13	0.000025
487	RNF166	NM_178841	ring finger protein 166	3.13	0.000003
488	LOC348180	NM_001012759	hypothetical protein LOC348180	3.13	0.000003
489	MASA	NM_021204	E-1 enzyme	3.12	0.000003
490	MORF4L2	NM_012286	mortality factor 4 like 2	3.12	0.000003
491	HNRPDL	NM_031372	heterogeneous nuclear ribonucleoprotein D-like	3.12	0.000003
492	UBE2V1	NM_022442	ubiquitin-conjugating enzyme E2 variant 1	3.11	0.000013
493	PRKCI	NM_002740	protein kinase C, iota	3.1	0.00005
494	MGC2654	NM_024109	hypothetical protein MGC2654	3.1	0.000013
495	C14orf140	NM_024643	chromosome 14 open reading frame 140	3.1	0.00001
496	DNAJB11	NM_016306	DnaJ (Hsp40) homolog, subfamily B, member 11	3.09	0.00001
497	LOC151111	XM_087097	hypothetical LOC151111	3.09	0.000002
498	GTF2I	NM_001518	general transcription factor II, i	3.08	0.000003
499	ZNF436	NM_030634	zinc finger protein 436	3.08	0.000019
500	LOC148898	NM_138479	hypothetical protein BC007899	3.08	0.000019
501	C18orf34	NM_198995	chromosome 18 open reading frame 34	3.08	0.000004
502	PHF12	NM_020889	PHD finger protein 12	3.07	0.000042
503	SOD2	NM_000636	superoxide dismutase 2, mitochondrial	3.07	0.000003
504	GPR108	XM_290854	G protein-coupled receptor 108	3.06	0.000038
505	CORO2A	NM_052820	coronin, actin binding protein, 2A	3.06	0.000006
506	FBXO9	NM_033481	F-box protein 9	3.06	0.000004
507	FBXL22	NM_203373	F-box and leucine-rich repeat protein 22	3.05	0.000009
508	HRB2	NM_007043	HIV-1 rev binding protein 2	3.05	0.000003
509	STAU	NM_004602	staufen, RNA binding protein (Drosophila)	3.04	0.000032
510	ZFP91	NM_053023	zinc finger protein 91 homolog (mouse)	3.04	0.000004
511	MLL4	NM_014727	myeloid/lymphoid or mixed-lineage leukemia 4	3.03	0.000007
512	HNRPA1	NM_002136	heterogeneous nuclear ribonucleoprotein A1	3.01	0.000024
513	LOC392400	XM_373323	Homo sapiens similar to F4N2.10 (LOC392400), mRNA.	3.01	0.000004
514	TMEM59	NM_004872	transmembrane protein 59	3	0.000036
515	C1orf83	NM_153035	chromosome 1 open reading frame 83	3	0.000036
516	MRLC2	NM_033546	myosin regulatory light chain MRLC2	3	0.000007
517	HIST2H2AB	NM_175065	histone 2, H2ab	3	0.000006
518	NFIC	NM_005597	nuclear factor I/C (CCAAT-binding transcription factor)	2.98	0.000014
519	TPD52L1	NM_003287	tumor protein D52-like 1	2.98	0.000004
520	FLJ36878	NM_178518	hypothetical protein FLJ36878	2.97	0.00002
521	CCT3	NM_005998	chaperonin containing TCP1, subunit 3 (gamma)	2.96	0.000013
522	C1orf182	NM_144627	chromosome 1 open reading frame 182	2.96	0.000013
523	C1orf16	NM_014837	chromosome 1 open reading frame 16	2.96	0.000012
524	LOC390169	XM_372402	similar to olfactory receptor GA_x6K02T2Q125-47402610-47403533	2.95	0.000024
525	KIAA1274	NM_014431	paladin	2.95	0.000005
526	ZDHHC13	NM_019028	zinc finger, DHHC domain containing 13	2.95	0.000003
527	LOC388567	XM_371200	similar to R30217_1	2.94	0.000007
528	CARKL	NM_013276	carbohydrate kinase-like	2.94	0.000005
529	CTNS	NM_004937	cystinosis, nephropathic	2.94	0.000005
530	LOC388654	XM_371273	similar to 40S ribosomal protein SA (P40) (34/67 kDa laminin receptor) (Colon carcinoma la	2.93	0.00002
531	GJB7	NM_198568	gap junction protein, beta 7	2.93	0.000007
532	ITSN2	NM_006277	intersectin 2	2.93	0.000004
533	COL4A3BP	NM_005713	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	2.91	0.000033
534	POLK	NM_016218	polymerase (DNA directed) kappa	2.91	0.000033
535	FMOD	NM_002023	fibromodulin	2.91	0.00001
536	MNS1	NM_018365	meiosis-specific nuclear structural protein 1	2.91	0.000009
537	FBF1	XM_371079	Fas (TNFRSF6) binding factor 1	2.9	0.000018
538	CITED2	NM_006079	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	2.88	0.000025
539	RTTN	NM_173630	rotatin	2.88	0.000005
540	VRK1	NM_003384	vaccinia related kinase 1	2.87	0.000078
541	RPS26	NM_001029	ribosomal protein S26	2.87	0.000009
542	ICOSL	NM_015259	inducible T-cell co-stimulator ligand	2.87	0.000008
543	TTC9C	NM_173810	tetratricopeptide repeat domain 9C	2.86	0.000029
544	MCM6	NM_005915	MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae	2.85	0.000043
545	SULT1A2	NM_177528	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2	2.83	0.000029
546	MT1X	NM_005952	metallothionein 1X	2.82	0.000066
547	PPME1	NM_016147	protein phosphatase methyltransferase-1	2.82	0.000007
548	DKFZF586P0123	NM_015531	hypothetical protein	2.82	0.000007
549	PTPN13	NM_006264	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosph	2.81	0.000022
550	ABLIM1	NM_002313	actin binding LIM protein 1	2.81	0.000001
551	PEX11B	NM_003846	peroxisomal biogenesis factor 11B	2.8	0.000001
552	GNRHR2	NR_002328	gonadotropin-releasing hormone receptor 2	2.8	0.000001
553	HPCAL1	NM_134421	hippocalcin-like 1	2.8	0.000008

554	NHLRC1	NM_198586	NHL repeat containing 1	2.79	0.000048
555	PANK4	NM_018216	pantothenate kinase 4	2.79	0.000023
556	FLJ35821	NM_152589	hypothetical protein FLJ35821	2.78	0.00003
557	CD3EAP	NM_012099	CD3E antigen, epsilon polypeptide associated protein	2.77	0.000052
558	PPP1R13L	NM_006663	protein phosphatase 1, regulatory (inhibitor) subunit 13 like	2.77	0.000052
559	BICD2	NM_015250	bicaudal D homolog 2 (Drosophila)	2.77	0.000013
560	OR52E2	NM_001005164	olfactory receptor, family 52, subfamily E, member 2	2.76	0.000058
561	UBQLN4	NM_020131	ubiquilin 4	2.75	0.000011
562	KCNGB3	NM_133329	potassium voltage-gated channel, subfamily G, member 3	2.73	0.000019
563	AKAP8	NM_005858	A kinase (PRKA) anchor protein 8	2.72	0.000042
564	NSUN3	NM_022072	NOL1/NOP2/Sun domain family, member 3	2.72	0.000018
565	DHFRL1	NM_176815	dihydrofolate reductase-like 1	2.72	0.000018
566	CHD1L	NM_004284	Homo sapiens chromodomain helicase DNA binding protein 1-like	2.72	0.000015
567	RBBP5	NM_005057	retinoblastoma binding protein 5	2.71	0.000051
568	THAP5	NM_182529	THAP domain containing 5	2.7	0.000021
569	DNAJB9	NM_012328	DnaJ (Hsp40) homolog, subfamily B, member 9	2.7	0.000021
570	ESR1	NM_000125	estrogen receptor 1	2.69	0.000032
571	CRIP2	NM_001312	cysteine-rich protein 2	2.66	0.000057
572	ARHGGEF10L	NM_018125	Rho guanine nucleotide exchange factor (GEF) 10-like	2.66	0.000041
573	PCM1	NM_006197	pericentriolar material 1	2.63	0.000032
574	ZNF228	NM_013380	zinc finger protein 228	2.62	0.000059
575	C1orf118	NM_199343	chromosome 1 open reading frame 118	2.62	0.000023
576	C20orf86	NM_080674	chromosome 20 open reading frame 86	2.58	0.000026
577	ZW10	NM_004724	ZW10 homolog, centromere/kinetochore protein (Drosophila)	2.54	0.000072
578	MRPS11	NM_022839	mitochondrial ribosomal protein S11	2.5	0.000057