

88	A07d	G	interleukin 17 precursor (IL17); cytotoxic T-lymphocyte-associated antigen 8 (CTLA8)	U32659
89	A07e	N	interferon gamma receptor (IFNGR)	A09781
90	A07f	N	IGF1R(insulin-like growth factor receptor)	NM_00087
		ad		5
		d		
91	A07g	B	90-kDa diacylglycerol kinase beta (DGKB; DAGK2); KIAA0718	AB018261
92	A07h	E	beta 3-endonexin	U37139
93	A07i	A	cell cycle progression restoration protein 8 (CPR8)	AF011794
94	A07j	E	laminin beta 2 subunit precursor (laminin B2; LAMB2); S-laminin	S77512
95	A07k	N	SPS	NM_01224
		ad		7
		d		
96	A07l	E	cadherin 11 precursor (CDH11); osteoblast-cadherin (OB-cadherin); OSF4	L34056
97	A07m	B	protein kinase DYRK3	Y12735
98	A07n	B	protein phosphatase 2C gamma	Y13936
99	A08a	J	nm23-H4; nucleoside-diphosphate kinase; nucleoside 5'-diphosphate phosphotransferase (NDK)	Y07604
100	A08b	N	phosphoinositide-3-kinase, class 3	Z46973
		ad		
		d		
101	A08c	N	fructose 1,6-bisphosphatase; fructose-bisphosphatase 1	M19922
		ad		
		d		
102	A08d	B	SH3-binding protein 2	AF000936
103	A08e	E	matrix metalloproteinase 16 precursor (MMP16); membrane-type matrix metalloproteinase 3 (MT-MMP3); MMP-X2	D50477
104	A08f	N	PPP1CB	X80910
		ad		
		d		
105	A08g	C	RHO GDP-dissociation inhibitor 1 (RHO-GDI 1); RHO-GDI alpha (GDIA1); ARHGDI	X69550

106	A08h	I	recA-like protein HsRad51; DNA repair protein RAD51 homolog	D13804
107	A08i	N	SRC-1, steroid receptor coactivator (SRC-1)	U40396
		ad		
		d		
108	A08j	N	cytochrome P450-2A6 (CYP2A6) mRNA, complete cds	AF182275
		ad		
		d		
109	A08k	B	myeloid cell leukemia protein 1 (MCL1)	L08246
110	A08l	L	mediator protein; SUR2	AF135022
111	A08m	N	ITGAV	NM_00221
		ad		0
		d		
112	A08n	N	ENO2 for neuron specific (gamma) enolase; enolase 2	X51956
		ad		
		d		
113	A09a	B	EB1 protein	U24166
114	A09b	A	CDC-like kinase 3 (CLK3)	L29220
115	A09c	I	DNA cytosine-5-methyltransferase (DNA metase; MCMT)	X63692
116	A09d	H	cytochrome c	M22877
117	A09e	E	acidic fibroblast growth factor (AFGF) + heparin-binding growth factor 1 precursor (HBGF-1) + beta-endothelial cell growth factor (ECGF-beta)	X65778 + X51943 + M13361
118	A09f	B	colorectal mutant cancer protein (MCC)	M62397
119	A09g	I	RNA helicase	X98743
120	A09h	H	inhibitor of apoptosis protein 2 (IAP2); IAP homolog B; TNFR2-TRAF signaling complex protein 2; MIHC	U45879; U37547
121	A09i	A	wee1Hu CDK tyrosine 15-kinase; wee-1-like protein kinase	U10564
122	A09j	N	tetraspan NET-1	AF065388
		ad		
		d		
123	A09k	N	insulin-like growth factor IA precursor (IGF1A); IGFBP1; somatomedin C + insulin-like growth factor I (IGF1)	M27544 + M37484
124	A09l	I	heterogeneous nuclear ribonucleoprotein K (HNRNPK); dC-stretch-binding protein (CSBP); transformation-upregulated nuclear protein	S74678

125	A09m	I	RAD51C truncated protein	AF029670
126	A09n	B	c-jun N-terminal kinase 1 (JNK1); JNK46	L26318
127	A10a	H	BCL2-associated X protein membrane (BAX)	L22474
128	A10b	B	stathmin; phosphoprotein p19 (PP19); oncoprotein 18 (OP18); leukemia-associated phosphoprotein p18 (LAP18); prosolin; metablastin	J04991
129	A10c	I	cytosolic thymidine kinase (TK1)	K02581
130	A10d	N	HADHB	NM_00018
		ad		3
		d		
131	A10e	B	cAMP-dependent protein kinase type I beta regulatory subunit (PRKAR1B)	M65066
132	A10f	N	rcn, calcium binding protein, ER-hand protein, ER-resident protein, reticulocalbin 1, EF-hand calcium binding domain	D42073
		ad		
		d		
133	A10g	E	cadherin 5 (CDH5); vascular endothelial cadherin precursor (VE-cadherin); 7B4 antigen; CD144 antigen	X79981; X59796
134	A10h	A	RBP2 retinoblastoma binding protein	S66431
135	A10i	E	lamin C	M13451
136	A10j	G	interleukin 1 receptor antagonist protein precursor (IL1RA; IRAP)	M63099
137	A10k	I	CAD; DNA fragmentation factor 40-kDa subunit (DFF40)	AF064019
138	A10l	I	DNA fragmentation factor 45 (DFF45)	U91985
139	A10m	N	insulin receptor substrate 1	S62539
140	A10n	B	mitogen-activated protein kinase kinase 4 (MAP kinase kinase 4; MKK4; PRKMK4); c-jun N-terminal kinase kinase 1 (JNKK1); JNK-activating kinase 1; SAPK/ERK kinase 1 (SERK1; SEK1)	L36870
141	A11a	G	interleukin 7 (IL7)	J04156
142	A11b	K	heat shock 70-kDa protein 6; heat shock 70-kDa protein B	X51757; M11236
143	A11c	N	GALGT2	AJ517771,
		ad		AJ517770
		d		
144	A11d	I	natural killer cell enhancing factor (NKEFB); thiol-specific antioxidant protein (TSA); thioredoxin peroxidase 1	L19185; Z22548;

			(TDPX1); thioredoxin-dependent peroxide reductase 1	X82321
145	A11e	H	BCL2-interacting killer protein (BIK); NBK apoptotic inducer protein; BP4; BIP1	X89986; U34584
146	A11f	N	transforming growth factor beta receptor III precursor (TGF beta receptor III; TGFR3); betaglycan	L07594
147	A11g	J	cytochrome P450 IIC8 (CYP2C8); mephenytoin 4-hydroxylase	Y00498
148	A11h	B	Homo sapiens forkhead box O1A (rhabdomyosarcoma) (FOXO1A), mRNA	NM_00201 5
149	A11i	N	vascular endothelial growth factor receptor 2 precursor (VEGFR2); kinase insert domain receptor (KDR); FLK1	L04947; X61656
150	A11j	B	ras-related protein RAB4A	M28211
151	A11k	N	interleukin 6 receptor beta subunit precursor (IL6R-beta; interleukin 6 signal transducer (IL6ST); membrane glycoprotein 130 (GP130); oncostatin M receptor; CDW130 antigen	M57230
152	A11l	J	farnesyltransferase alpha	L10413
153	A11m	B	cAMP-dependent protein kinase I alpha regulatory subunit (PRKAR1); tissue-specific extinguisher 1 (TSE1)	M33336
154	A11n	I	adenovirus E1A enhancer-binding protein; E1A-F; ets translocation variant 4	U18018
155	A12a	B	ras-like protein TC10	M31470
156	A12b	E	integrin beta 1 (ITGB1)	M34189
157	A12c	F	hepatocyte growth factor-like protein (HGF activator-like protein); hyaluronan-binding protein (PHBP)	D49742; S83182
158	A12d	A	MDM2-like p53-binding protein (MDMX)	AF007111
159	A12e	I	CTP synthase; CTP synthetase; UTP-ammonia ligase	X52142
160	A12f	I	phosphatidic acid phosphatase 2B	AF017786
161	A12g	I	histone 4 (H4)	X67081
162	A12h	G	interleukin 11 (IL11); adipogenesis inhibitory factor (AGIF)	M57765
163	A12i	K	glutathione S-transferase pi (GSTP1); GST3	X08058; M24485
164	A12j	E	Human paxillin mRNA, complete cds	U14588
165	A12k	N	interleukin 2 receptor alpha subunit precursor (IL2 receptor alpha subunit; IL2RA); TAC antigen; CD25 antigen	X01057; X01058;

				X01402
166	A12l	B	cAMP-responsive element-binding protein 3 (CREB3)	U59629
167	A12m	A	cell division protein kinase 9 (CDK9); serine/threonine protein kinase PITALRE	L25676
168	A12n	E	integrin beta 6 precursor (ITGB6)	M35198; J05522
169	A13a	B	ras-related protein RAB27B	U57093
170	A13b	I	6-O-methylguanine-DNA methyltransferase (MGMT); methylated-DNA-protein-cysteine methyltransferase	M29971
171	A13c	L	canalicular multispecific organic anion transporter; multidrug resistance-associated protein 2 (MRP2); canalicular multidrug resistance protein	U63970
172	A13d	I	ubiquitin-conjugating enzyme E2N (UBE2N); UBC13	D83004
173	A13e	B	cAMP-dependent 3',5'-cyclic phosphodiesterase 4B (DPDE4); PDE32	L12686
174	A13f	N	ERBB2 proto-oncogene; NEU proto-oncogene; HER2	M95667; M11730
175	A13g	B	calcium/calmodulin-dependent protein kinase I (CAMKI)	L41816
176	A13h	I	thymidylate synthase (TYMS; TS)	X02308
177	A13i	N	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)	M58051
178	A13j	N	TCN1, TCOBI, transcobalamin I	J05068
		ad		
		d		
179	A13k	H	caspase 7 precursor (CASP7); MCH3; ICE-like apoptotic protease 3 (ICE-LAP3); CMH-1	U37448
180	A13l	B	jun-B	M29039
181	A13m	N	catenin(cadherin-associated protein), delta 2 (CTNND2)	NM_00133
		ad		2
		d		
182	A13n	B	ras-related protein RAB31	U59877
183	A14a	M	type II cytoskeletal 11 keratin (KRT11); cytokeratin 1 (CK1); 67-kDa cytokeratin; hair alpha protein	M98776
184	A14b	B	metastasis-associated protein 1 (MTA1)	U35113
185	A14c	E	matrix metalloproteinase 16 (MMP16)	D83646

186	A14d	N	GOS2 (lymphocyte G0/G1 switch) gene	M72885
		ad		
		d		
187	A14e	G	interleukin 9 precursor (IL9); T-cell growth factor p40	X17543; M30134
188	A14f	J	microsomal UDP-glucuronosyltransferase 2B15 precursor (UDPGT); UDPGTH-3; UGT2B15 + microsomal 2B10 precursor (UDPGT); UGT2B10 + 2microsomal B8 precursor	U08854; X63359; U06641; J05428; Y00317
189	A14g	B	serine/threonine-protein kinase PCTAIRE 3 (PCTK3)	X66362
190	A14h	A	G1/S-specific cyclin C	M74091
191	A14i	A	68-kDa tumor protein (TP68); p51A; p63-gamma	AB016072
192	A14j	I	IkappaB kinase gamma subunit (IKK gamma)	AF074382
193	A14k	N	NIFU	NM_01430
		ad		1
		d		
194	A14l	E	collagen XI alpha 1 subunit precursor (COL11A1)	J04177
195	A14m	E	laminin gamma 1 subunit precursor (LAMC1); laminin B2 subunit (LAMB2)	J03202
196	A14n	N	PVR gene, poliovirus receptor (exon 1)	X64116
		ad		
		d		
589	D01a	G	interleukin 2 precursor (IL2); T-cell growth factor (TCGF)	A14844
590	D01b	N	glycoprotein 6-alpha-L-fucosyltransferase,	Y17977
		ad	fucosyltransferase 8	
		d		
591	D01c	B	junD proto-oncogene	X56681
592	D01d	I	DNA polymerase iota (POLI); RAD30B	AF140501
593	D01e	B	protein kinase C eta type (NPKC-eta); PKC-L	M55284
594	D01f	M	type II cytoskeletal 2 epidermal keratin (KRT2E); cytokeratin 2E (CK2E)	M99061; S43646
595	D01g	N	TAFII32, TATA box binding protein -associated factor	U21858
		ad		
		d		
596	D01h	B	ras-related protein RAB27A; GTP-binding protein RAM	U38654

597	D01i	N	RPA3	NM_00294
		ad		7
		d		
598	D01j	H	BH3 INTERACTING DOMAIN DEATH AGONIST (BID)	AF042083
599	D01k	N	hSTC2, stanniocalcin 2	AB012664
		ad		
		d		
600	D01l	N	progesterone receptor (PGR)	M15716
601	D01m	E	collagen XVI alpha 1 subunit precursor (COL16A1)	M92642
602	D01n	B	ataxia telangiectasia (ATM)	U33841
603	D02a	B	CRK-like protein	X59656
604	D02b	G	interferon alpha/beta receptor beta subunit precursor (IFN-alpha-R); type I interferon receptor (IFN-R)	X77722
605	D02c	H	tumor necrosis factor superfamily member 6 (TNFSF6); fas antigen ligand (FASL); apoptosis antigen ligand (APTL; APT1LG1)	D38122; U08137
606	D02d	E	beta NGF	X52599
607	D02e	K	cytoplasmic dynein light chain 1 (hDLC1; DLC1); protein inhibitor of neuronal nitric oxide synthase (PIN)	U32944
608	D02f	N	ODC antizyme	NM_01587
		ad		8
		d		
609	D02g	N	CC chemokine receptor type 4 (CMKBR4; CCCKR4; CCR4)	X85740
610	D02h	B	MYB-related protein B (B-MYB); avian myeloblastosis viral oncogene homolog-like 2 (MYBL2)	X13293
611	D02i	N	PXN	NM_00285
		ad		9
		d		
612	D02j	N	hSBP, selenium binding protein 1	U29091
		ad		
		d		
613	D02k	N	insulin-like growth factor binding protein 6 precursor (IGF-binding protein 6; IGFBP6; IBP6)	M62402
614	D02l	I	activating transcription factor 4 (ATF4); tax-responsive enhancer element B67 (TAXREB67); cAMP-response element-binding protein 2 (CREB2)	D90209

615	D02m	B	serine/threonine-protein kinase PCTAIRE 1 (PCTK1)	X66363
616	D02n	B	mitogen-activated protein kinase kinase 7 (MAP kinase kinase 7; MAPKK7; MAP2K7; PRKMK7); MAPK/ERK kinase 7 (MEK7); c-jun N-terminal kinase kinase 2 (JNKK2)	AF022805
617	D03a	E	matrix metalloproteinase 13 (MMP13); collagenase 3 precursor	X75308
618	D03b	B	guanine nucleotide-binding protein gamma 12 subunit (GNG12)	AF119663; AF188181
619	D03c	B	mitogen-activated protein kinase kinase 2 (MAP kinase kinase 2; MAPKK2; MAP2K2; PRKMK2); MAPK/ERK kinase 2 (MEK2)	L11285
620	D03d	A	68-kDa tumor protein (TP68); p51B	AB016073
621	D03e	A	cyclin-dependent kinase 4 inhibitor 2B (CDKN2B); p14-INK4B; multiple tumor suppressor 2 (MTS2)	U17075; L36844
622	D03f	B	CREB-binding protein	U47741
623	D03g	B	RAS protein activator like 1 (GAP1 like)	NM_00465 8
624	D03h	B	ras-related protein RAB1C; GTP-binding protein RAY	X79781
625	D03i	A	G1/S-specific cyclin D2 (CCND2) + KIAK0002	M90813 + D13639
626	D03j	J	glutamate decarboxylase 65-kDa isoform; 65-kDa glutamic acid decarboxylase (GAD-65); GAD2	M81882
627	D03k	F	fibroblast growth factor 3 (FGF3); HBGF3; int2 proto-oncogene precursor	X14445
628	D03l	N	UGTREL1	NM_00582 7
		ad		
		d		
629	D03m	I	UV excision repair protein RAD23 homolog A (RAD23A; hHR23A)	D21235
630	D03n	I	dihydrofolate reductase (DHFR)	V00507
631	D04a	A	cell cycle progression 2 protein (CPR2)	AF011792
632	D04b	A	retinoblastoma-related protein p107	L14812
633	D04c	N	LRP1	NM_00233 2
		ad		
		d		

634	D04d	A	cell division protein kinase 5 (CDK5); tau protein kinase II catalytic subunit (TPKII catalytic subunit); serine/threonine protein kinase PSSALRE	X66364
635	D04e	J	phosphoribosyl pyrophosphate synthetase I (PRPS1)	D00860
636	D04f	F	neuregulin 1	L12260
637	D04g	B	Abl interactor 2 (Abi-2) + Abl binding protein 3 (AbIBP3) [ArgBPIB]	U23435; U31089
638	D04h	N	TRAIL receptor 3; decoy receptor 1 (DCR1)	AF016267
639	D04i	J	xanthine dehydrogenase/oxidase	U39487
640	D04j	I	BRCA1-associated ring domain protein	X82200
641	D04k	B	receptor-type protein-tyrosine phosphatase sigma precursor (R-PTP-sigma; PTPRS)	U35234
642	D04l	N	D123	BC001600
		ad		
		d		
643	D04m	J	NADH-cytochrome B5 reductase	Y09501
644	D04n	E	laminin alpha 4 subunit precursor (laminin A4; LAMA4)	X70904; X91171
645	D05a	N	vascular endothelial cell growth factor 165 receptor 2 (VEGF165R2)	AF016098
646	D05b	B	serine/threonine protein kinase SAK	Y13115
647	D05c	I	IkappaB kinase beta subunit (IKK beta)	AF031416
648	D05d	N	p300/CBP-associated factor (PCAF), mRNA	NM_00388
		ad		4
		d		
649	D05e	N	PFKP	NM_00262
		ad		7
		d		
650	D05f	E	angiopoietin 1 receptor precursor; tyrosine-protein kinase receptor TIE-2; tyrosine-protein kinase receptor TEK; p140 TEK; tunica interna endothelial cell kinase	L06139
651	D05g	B	PTPCAAX1 nuclear tyrosine phosphatase (PRL-1)	U48296
652	D05h	J	E2F dimerization partner 1; DRTF1-polypeptide 1 (DP1)	L23959
653	D05i	N	vascular endothelial growth factor receptor 1 (VEGFR1); fms-related tyrosine kinase 1 (FLT1); soluble VEGFR; soluble FLT (SFLT)	X51602; U01134

654	D05j	E	matrix metalloproteinase 7 (MMP7)	X07819
655	D05k	N	HDAC3	NM_00388
		ad		3
		d		
656	D05l	N	cytosolic aspartate aminotransferase; HUMASAM; aspartate	M37400
		ad	aminotransferase 1	
		d		
657	D05m	B	B-raf proto-oncogene (RAFB1)	M95712
658	D05n	B	neurogenic locus notch protein homolog 1 precursor	M73980
			(NOTCH1); translocation-associated notch protein (TAN1)	
659	D06a	K	heat shock protein beta 2 (HSPB2); DMPK-binding protein;	S67070
			MKBP	
660	D06b	B	ras-related protein RAB11A; YPT3	X53143
661	D06c	E	integrin alpha 9 (ITGA9); integrin alpha-RLC	D25303;
				L24158
662	D06d	N	NR1I2	NM_00388
		ad		9
		d		
663	D06e	J	5-methyltetrahydrofolate-homocysteine methyltransferase	U71285
			(MTR)	
664	D06f	I	DNA topoisomerase II alpha (TOP2A)	J04088
665	D06g	B	casein kinase I delta isoform (CKI-delta); CSNK1D	U29171
666	D06h	N	PIS, phosphatidylinositol synthase;	AF014807
		ad	CDP-diacylglycerol-inositol 3-phosphatidyltransferase	
		d		
667	D06i	B	calmodulin (CALM; CAM)	D45887
668	D06j	B	c-fos proto-oncogene; G0S7 protein	K00650
669	D06k	N	COX5A	NM_00425
		ad		5
		d		
670	D06l	G	interferon gamma precursor (IFN-gamma; IFNG); immune	X01992;
			interferon	M29383
671	D06m	N	raptor mRNA, complete cds.	AY090663
		ad		
		d		
672	D06n	B	serine/threonine-protein kinase PLK1 (STPK13)	U01038

673	D07a	B	colorectal cancer suppressor protein precursor (DCC)	X76132
674	D07b	E	catenin alpha-like protein 1(CTNNAL1)	AF080071
675	D07c	B	ras-related C3 botulinum toxin substrate 1 (RAC1); ras-likeprotein TC25	M29870; M31467
676	D07d	N	insulin precursor (INS)	X70508
677	D07e	G	interleukin 13 precursor (IL13); NC30	L06801
678	D07f	F	growth inhibitory factor (GIF); metallothionein-III (MT-III; MT3)	D13365; M93311
679	D07g	N	fibroblast growth factor 8 (FGF8); androgen-induced growth factor precursor (AIGF); HBGF8	U36223
680	D07h	H	inhibitor of apoptosis protein 3 (API3; IAP3); X-linked inhibitor of apoptosis protein (X-linked IAP; XIAP); IAP-like protein (HILP)	U45880; U32974
681	D07i	J	cytochrome P450 IIIA3 (CYP3A3); CYP3A4; CYP3A5; CYP3A7	M13785; M18907; J04813; D00408
682	D07j	B	tyrosine-protein kinase receptor tyro3 precursor; rse; sky; dtk	D17517
683	D07k	N	pS2, trefoil factor 1, HSPS2	X05030
		ad		
		d		
684	D07l	B	akt1 proto-oncogene; rac alpha serine/threonine kinase (RAC-PK-alpha); protein kinase B (PKB)	M63167
685	D07m	E	cadherin 6 precursor (CDH6); kidney cadherin (K-cadherin)	D31784
686	D07n	B	cAMP-dependent protein kinase alpha-catalytic subunit (PKA C-alpha)	X07767
687	D08a	B	FKBP-rapamycin associated protein (FRAP); rapamycin target protein	L34075
688	D08b	E	protocadherin 43 precursor (PCDH43); cadherin-like protein	L11373
689	D08c	E	matrix metalloproteinase 9 (MMP9); gelatinase B; 92-kDa type IV collagenase precursor (CLG4B)	J05070; D10051
690	D08d	N	basic fibroblast growth factor 2 (FGFB; FGF2)	M27968
691	D08e	J	microsomal UDP-glucuronosyltransferase 1-3 precursor (UDPGT; UGT1.3; UGT1C; GNT1)	M84127
692	D08f	N	glycyl-tRNA synthetase	D30658

		ad		
		d		
693	D08g	M	vimentin (VIM)	X56134; M14144
694	D08h	I	polypyrimidine tract-binding protein (PTB); heterogeneous nuclear ribonucleoprotein I (HNRNP I); 57-kDa RNA-binding protein PPTB-1	X65372
695	D08i	J	thymidylate kinase	L16991
696	D08j	N	adenosine receptor; A2a-adenosine receptor;	X68486
		ad	transmembrane protein	
		d		
697	D08k	N	vascular endothelial growth factor receptor 3 precursor (VEGFR3); FMS-related tyrosine kinase 4 (FLT4)	X68203; X69878; U43143
698	D08l	I	TRAF-interacting protein (I-TRAF) + TRAF family member-associated NF-kappaB activator TANK	U59863 + U63830
699	D08m	H	apoptosis-related protein TFAR15	AF022385
700	D08n	I	thymidine phosphorylase precursor (TDRPase); platelet-derived endothelial cell growth factor (PDECGF); gliostatin	M63193
701	D09a	A	cell division protein kinase 6 (CDK6); serine/threonine protein kinase PLSTIRE	X66365
702	D09b	N	platelet-activating factor receptor (PAFR)	M54995; M38441
703	D09c	B	gastrin-releasing peptide (GRP)	K02054
704	D09d	E	platelet-derived growth factor A subunit precursor (PDGFA; PDGF1)	X06374
705	D09e	I	xeroderma pigmentosum group F complementing protein (XPF); excision repair cross-complementing rodent repair deficiency complementation group 4 (ERCC4); ERCC11	L77890
706	D09f	G	interleukin 8 precursor (IL8); monocyte-derived neutrophil chemotactic factor (MDNCF); T-cell chemotactic factor; neutrophil-activating protein 1 (NAP1); lymphocyte-derived neutrophil-activating factor (LYNAP); protein 3-10C; granulocyte chemotactic prote	Y00787
707	D09g	H	maleylacetoacetate isomerase (MAAI); glutathione transferase zeta 1	U86529

708	D09h	N	hyaluronan receptor(RHAMM), hyaluronan-mediated motility	U29343
		ad	receptor	
		d		
709	D09i	B	DNA-dependent protein kinase (DNA-PK); DNA-PK catalytic subunit (DNA-PKCS)	U35835; U47077
710	D09j	N	ACTR1A,ARP1 actin-related protein 1 homolog A, centractin	NM_00573
		ad	alpha	6
		d		
711	D09k	B	phosphatidylinositol 3 kinase catalytic subunit alpha isoform (PI3 kinase; PIK3CA)	Z29090
712	D09l	J	glutamate decarboxylase 67-kDa isoform; 67-kDa glutamic acid decarboxylase (GAD-67); GAD1	M81883
713	D09m	H	fas-associated via death domain protein (FADD); mediator of receptor-induced toxicity protein 1 (MORT1)	U24231
714	D09n	N	MAO-B	NM_00089
		ad		8
		d		
715	D10a	B	ras-related protein RAP1B; GTP-binding protein SMG p21B	X08004
716	D10b	A	p73 (monoallelically expressed p53-related protein)	Y11416
717	D10c	L	major vault protein (MVP); lung resistance-related protein (LRP)	X79882
718	D10d	B	guanine nucleotide-binding protein gamma 11 subunit (GNG11)	U31384
719	D10e	N	Ki-67	X65550
		ad		
		d		
720	D10f	N	interleukin 12 receptor precursor (IL12R)	U03187
721	D10g	I	growth arrest & DNA damage-inducible protein (GADD45); DNA damage-inducible transcript 1 (DDIT1)	M60974
722	D10h	K	thioredoxin (TRDX; TXN); ATL-derived factor (ADF); surface-associated sulphhydrylprotein (SASP)	J04026
723	D10i	B	non-catalytic region of tyrosine kinase adaptor protein 1 (NCK1)	X17576
724	D10j	N	MCM7	NM_00591
		ad		6
		d		

725	D10k	J	UDP-glucuronosyltransferase 1A7	U89507
726	D10l	B	GTPase-activating protein (GAP); ras p21 protein activator; p120GAP; RASA	M23379
727	D10m	J	alkylglycerone phosphate synthase (AGPS); alkyl-dihydroxyacetonephosphate (ADHAP)	Y09443
728	D10n	B	FOS-related antigen 1 (FRA1); FOS-like antigen 1 (FOSL1)	X16707
729	D11a	A	G2/mitotic-specific cyclin A (CCNA; CCN1)	X51688
730	D11b	B	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon polypeptide (YWHAE);14-3-3 protein epsilon; protein kinase C inhibitor protein 1 (KCIP1); mitochondrial import stimulation factor L subunit	U28936
731	D11c	B	TSG101 tumor susceptibility protein	U82130
732	D11d	B	GTP-binding protein G(i)/G(s)/G(o) gamma 10 subunit (GNGT10; GNG10)	U31383
733	D11e	A	p21-activated kinase gamma (PAK-gamma; PAK2); PAK65; S6/H4 kinase	U24153
734	D11f	B	RIBOSOMAL PROTEIN S6 KINASE (S6K)	M60724
735	D11g	N	vascular endothelial cell growth factor 165 receptor; VEGF156; neuropilin	AF016050
736	D11h	E	tissue inhibitor of metalloproteinase 4 precursor (TIMP4)	U76456
737	D11i	N	interleukin 1 receptor-like protein 2 (IL1RL2)	U49065
738	D11j	C	rho-related GTP-binding protein (RHOG); ARHG	X61587
739	D11k	N	keratinocyte growth factor receptor (KGFR); fibroblast growth factor receptor 2 (FGFR2); heparin-binding growth factor receptor K-sam (HGFR K-sam); secreted FGFR K-sam-III; secreted FGFR K-sam-IV	M80634; U11814; X52832; M35718; M87771; M87772
740	D11l	N	platelet-derived growth factor (PDGF) receptor beta-like tumor suppressor (PRLTS)	D37965
741	D11m	E	vascular endothelial growth factor C precursor (VEGFC); vascular endothelial growth factor related protein (VRP); FLT4 ligand	U43142
742	D11n	E	focal adhesion kinase 2 (FADK2; FAK2); cell adhesion kinase beta (CAKbeta); proline-rich tyrosine kinase 2 (PYK2)	L49207 + U43522 + U33284

743	D12a	M	type I cytoskeletal 16 keratin (KRT16); cytokeratin 16 (CK16); pseudo-keratin K16 type I	M21772; M20336
744	D12b	H	caspase 6 precursor (CASP6); MCH2-alpha; MCH2-beta	U20536; U20537
745	D12c	N	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa (TAF6L), mRNA	NM_00647 3
746	D12d	I	DNA polymerase lambda (POLL); POL-kappa	AJ131890
747	D12e	N	HS21GARP, 21-Glutamic Acid-Rich Protein (21-GARP), expressed in heart and skeletal muscle from chromosome 21q22.3	X93498
748	D12f	B	casein kinase II beta subunit (CK II; CSNK2B; CK2N); phosphatase	X16937
749	D12g	J	DNA polymerase beta (POLB)	D29013
750	D12h	N	G22P1	NM_00146 9
751	D12i	I	thioredoxin peroxidase 2 (TDPX2); thioredoxin-dependent peroxide reductase 2; proliferation-associated gene (PAG); natural killer cell enhancing factor A (NKEFA)	X67951
752	D12j	A	cell division cycle 25C homolog (CDC25C)	M34065
753	D12k	N	gamma-glutamylcysteine synthetase light subunit; glutamate-cysteine ligase	L35546
754	D12l	H	fas-activated serine/threonine kinase (FAST)	X86779
755	D12m	E	OSTEOPONTIN PRECURSOR (BONE SIALOPROTEIN 1)	X13694
756	D12n	N	ZNF161	NM_00714 6
757	D13a	N	interleukin 2 receptor gamma subunit (IL2R-gamma; IL2RG); cytokine receptor common gamma chain precursor	D11086
758	D13b	J	cytochrome P450 IID6 (CYP2D6)	M20403; M19697
759	D13c	L	sulfonylurea receptor (SUR); ATP-binding cassette subfamily C (CFTR/MRP) member 8 (ABCC8)	L78207
760	D13d	H	ionizing radiation resistance-conferring protein +	U18321 +

			death-associated protein 3 (DAP3)	X83544
761	D13e	C	RHO GDP-dissociation inhibitor 1 (RHO-GDI 1); RHO-GDI alpha (GDIA1); ARHGDI	X69550
762	D13f	B	ras-related protein RAB5C	U18420
763	D13g	B	ras homolog gene family member B (RHOB; ARHB); ARH6; H6	X06820
764	D13h	N	c-kit proto-oncogene; mast/stem cell growth factor receptor precursor (SCFR); CD117 antigen	X06182
765	D13i	F	transforming growth factor beta (TGF-beta; TGFB)	X02812; J05114
766	D13j	B	ataxia telangiectasia (ATM)	U33841
767	D13k	C	RHO GDP-dissociation inhibitor 1 (RHO-GDI 1); RHO-GDI alpha (GDIA1); ARHGDI	X69550
768	D13l	E	beta 3-endonexin	U37139
769	D13m	G	interferon regulatory factor 1 (IRF1)	X14454
770	D13n	G	interleukin 7 (IL7)	J04156
771	D14a	I	thioredoxin peroxidase 2 (TDPX2); thioredoxin-dependent peroxide reductase 2; proliferation-associated gene (PAG); natural killer cell enhancing factor A (NKEFA)	X67951
772	D14b	N	insulin-like growth factor-binding protein 2 (IGF-binding protein 2; IGFBP2; IBP2)	M35410
773	D14c	Y	liver glyceraldehyde 3-phosphate dehydrogenase (GAPDH; G3PDH)	X01677
774	D14d	K	bleomycin hydrolase (BLM hydrolase)	X92106
775	D14e	J	elongation factor 1 alpha (EF1-alpha; EF1A)	M27364
776	D14f	K	bleomycin hydrolase (BLM hydrolase)	X92106
777	D14g	N	erbB3 proto-oncogene; HER3	M29366; M34309
778	D14h	J	nm23-H4; nucleoside-diphosphate kinase; nucleoside 5'-diphosphate phosphotransferase (NDK)	Y07604
779	D14i	Y	liver glyceraldehyde 3-phosphate dehydrogenase (GAPDH; G3PDH)	X01677
780	D14j	N	interleukin 2 receptor gamma subunit (IL2R-gamma; IL2RG); cytokine receptor common gamma chain precursor	D11086
781	D14k	N	insulin-like growth factor binding protein 1 (IGFBP1); placental protein 12 (PP12)	M31145

782	D14l	N	180-kDa secretory phospholipase A2 receptor precursor (PLA2 receptor; PLA2R)	U17033
783	D14m	Y	liver glyceraldehyde 3-phosphate dehydrogenase (GAPDH; G3PDH)	X01677
784	D14n	L	sulfonylurea receptor (SUR); ATP-binding cassette subfamily C (CFTR/MRP) member 8 (ABCC8)	L78207
197	B01a	J	microsomal UDP-glucuronosyltransferase 1-6 precursor (UDPGT; UGT1.6; UGT1F; GNT1)	J04093
198	B01b	B	neurogenic locus notch protein homolog 1 precursor (NOTCH1); translocation-associated notch protein (TAN1)	M73980
199	B01c	N	insulin-like growth factor-binding protein 2 (IGF-binding protein 2; IGFBP2; IBP2)	M35410
200	B01d	Y	liver glyceraldehyde 3-phosphate dehydrogenase (GAPDH; G3PDH)	X01677
201	B01e	I	DNA topoisomerase III alpha (TOP3A)	U43431
202	B01f	K	glutathione S-transferase theta 1 (GSTT1)	X79389
203	B01g	G	interleukin 11 (IL11); adipogenesis inhibitory factor (AGIF)	M57765
204	B01h	G	interleukin 10 precursor (IL10); cytokine synthesis inhibitory factor (CSIF)	M57627
205	B01i	N	retinoic acid receptor alpha 1 (RAR-alpha 1; RARA); PML-RAR protein	X06538; X06614; M73779
206	B01j	Y	liver glyceraldehyde 3-phosphate dehydrogenase (GAPDH; G3PDH)	X01677
207	B01k	I	excision repair cross-complementing rodent repair deficiency complementation group 6 (ERCC6); Cockayne syndrome protein 2 type B (CSB)	L04791
208	B01l	I	zinc finger protein	Y14443
209	B01m	I	IkappaB epsilon (IKBE)	U91616
210	B01n	K	microsomal glutathione S-transferase 1 (MGST1); GST12	J03746
211	B02a	B	colorectal mutant cancer protein (MCC)	M62397
212	B02b	G	MHC class I molecule; MHC class I subunit-related protein A (MICA); PERB11.1	U65416; U69631; X92841
213	B02c	B	ras homolog gene family member B (RHOB; ARHB); ARH6; H6	X06820

214	B02d	J	adenine phosphoribosyltransferase (APRT)	Y00486
215	B02e	I	dihydrofolate reductase (DHFR)	V00507
216	B02f	B	colorectal mutant cancer protein (MCC)	M62397
217	B02g	G	interleukin 11 (IL11); adipogenesis inhibitory factor (AGIF)	M57765
218	B02h	J	uridine phosphorylase (UDRPase; UP)	X90858
219	B02i	N	180-kDa secretory phospholipase A2 receptor precursor (PLA2 receptor; PLA2R)	U17033
220	B02j	B	phospholipase C (PLCL)	D42108
221	B02k	K	heat shock 70-kDa protein 4 (HSPA4); HSP70RY; heat shock 70-related protein APG-2	L12723
222	B02l	E	integrin beta 7 precursor (ITGB7)	M62880; S80335
223	B02m	I	DNA cytosine-5-methyltransferase (DNA metase; MCMT)	X63692
224	B02n	N	c-kit proto-oncogene; mast/stem cell growth factor receptor precursor (SCFR); CD117 antigen	X06182
225	B03a	A	CDC2-related protein kinase CHED	M80629
226	B03b	B	phospholipase C beta 2 (PLC-beta 2; PLCB2); 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta 2	M95678
227	B03c	N	FOXO1	NM_02195
		ad		3
		d		
228	B03d	N	short-chain dehydrogenase/reductase1	BC002730
		ad		
		d		
229	B03e	H	DNA-binding protein SMBP-2; glial factor-1 (GF-1)	L14754
230	B03f	K	heat shock cognate 71-kDa protein; heat shock 70-kDa protein 8 (HSPA8; HSC70); HSP73	Y00371
231	B03g	N	FK506 binding protein 12-rapamycin associated protein1 (FRAP1), mRNA, TOR1	NM_00495
		ad		8
		d		
232	B03h	J	DNA polymerase alpha 70-kDa subunit (POLA2)	L24559
233	B03i	E	integrin beta 4 precursor (ITGB4); CD104 antigen	X53587; X52186; X51841
234	B03j	B	cAMP-dependent protein kinase type II beta regulatory	M31158

			subunit (PRKAR2B; PKR2)	
235	B03k	I	X-ray repair-complementing defective repair in Chinese hamster cells 1 (XRCC1)	M36089
236	B03l	E	platelet-derived growth factor B subunit precursor (PDGFB; PDGF2); bacaplermin; c-sis	X02811; X02744; M12783; M16288
237	B03m	N	MX2	NM_00246
		ad		3
		d		
238	B03n	I	chromodomain-helicase-DNA-binding protein 1 (CHD1)	AF006513
239	B04a	N	interferon gamma receptor (IFNR-gamma; IFNGR1); CDW119 antigen	J03143
240	B04b	N	mannosyl (alpha-1, 3-)-glycoprotein beta-1,	BC003575
		ad	2-N-acetylglucosaminyltransferase	
		d		
241	B04c	B	v-Ki-RAS2B proto-oncogene (KRAS2)	M54968
242	B04d	J	GlcNac-1-P transferase	Z82022
243	B04e	B	protein kinase C epsilon type (NPKC-epsilon)	X65293
244	B04f	C	Rho-related GTP-binding protein RhoE; Rho8; ARHE	X95282
245	B04g	E	coagulation factor VIIIc procoagulant component (F8C)	M14113
246	B04h	B	chromatin assembly factor 1 p48 subunit (CAF1 p48 subunit); retinoblastoma-binding protein 4 (RBBP4); RBAP48; msi1 protein homolog	X74262
247	B04i	E	tissue inhibitor of metalloproteinase 2 precursor (TIMP2)	J05593
248	B04j	B	type II cGMP-dependent protein kinase	X94612
249	B04k	B	guanine nucleotide-binding protein gamma 8 subunit (GNG8)	AF188179
250	B04l	A	cyclin B2 (CCNB2)	AF002822
251	B04m	N	RPA1	NM_00294
		ad		5
		d		
252	B04n	N	RPA2	NM_00294
		ad		6
		d		
253	B05a	L	cystic fibrosis transmembrane conductance regulator	M28668

			(CFTR); cAMP-dependent chloride channel	
254	B05b	B	serine/threonine protein phosphatase 6 (PP6)	X92972
255	B05c	B	phosphatidylinositol 3 kinase catalytic subunit gamma isoform (PIK3CG; PTDINS 3 kinase gamma)	X83368
256	B05d	N	MIF	NM_00241
		ad		5
		d		
257	B05e	I	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	NM_00250
				3
258	B05f	I	heterogeneous nuclear ribonucleoprotein L (HNRNPL)	X16135
259	B05g	B	ras-related protein RAB13	X75593
260	B05h	A	cell division protein kinase 4; cyclin-dependent kinase 4 (CDK4); PSK-J3	M14505
261	B05i	I	deoxycytidylate deaminase (dCMP deaminase)	L39874
262	B05j	G	interleukin 1 beta precursor (IL1-beta ; IL1B); catabolin	K02770
263	B05k	L	multidrug resistance-associated protein 3 (MRP3); MLP2; ABCC3	Y17151
264	B05l	B	phosphotyrosyl phosphatase activator	X73478
265	B05m	B	guanine nucleotide-binding protein gamma 5 (GNG5)	AF038955
266	B05n	I	histone deacetylase 2 (HD2)	U31814
267	B06a	B	ras-related protein RAB30	U57092
268	B06b	A	tumor protein 53-binding protein 1 (TP53BP1)	U09477
269	B06c	B	protein kinase C beta I (PKC-beta-1)	M27545;
				X06318
270	B06d	N	GNAI3	NM_00649
		ad		6
		d		
271	B06e	I	homeobox protein D3 (HOXD3); HOX4A	D11117
272	B06f	B	protein kinase A anchoring protein	AF037439
273	B06g	B	phosphatidylinositol 3-kinase regulatory beta subunit (PI3-kinase p85-beta subunit; PTDINS-3-kinase p85-beta; PI3-K p85 beta)	X80907
274	B06h	M	cytoskeletal keratin 7 (KRT7); cytokeratin 7 (CK7)	X03212
275	B06i	B	serine/threonine-protein kinase NEK3; NIMA-related protein kinase 3; HSPK 36	Z29067
276	B06j	I	DNA mismatch repair protein PMS2 (PMS1 protein homolog	U13696