

			2)	
277	B06k	A	cyclin H (CCNH); MO15-associated protein	U11791; U12685
278	B06l	M	desmin (DES)	U59167
279	B06m	B	ribosomal protein S6 kinase II alpha 2 (S6KII-alpha 2); ribosomal S6 kinase 3 (RSK3)	X85106
280	B06n	J	adducin gamma subunit	U37122
281	B07a	I	xeroderma pigmentosum group B complementing protein (XPB); excision repair cross-complementing rodent repair deficiency complementation group 3 (ERCC3); basal transcription factor 2 89-kDa subunit (BTF2p89; TFIIH 89-kDa subunit)	M31899
282	B07b	L	GTP-binding nuclear protein RAN (TC4)	M31469
283	B07c	I	nuclear factor kappa-B DNA binding subunit (NF-kappaB; NFKB)	M58603
284	B07d	N	ASNS; asparagine synthetase	L35946
		ad		
		d		
285	B07e	E	extracellular matrix protein 1 (ECM1)	U65932
286	B07f	N	PDCD5	NM_00470
		ad		8
		d		
287	B07g	H	poly(ADP-ribose) polymerase (PARP; ADPRT; ADPRP; PPOL); NAD(+) ADP-ribosyltransferase; poly(ADP-ribose) synthetase	M18112; J03473
288	B07h	E	integrin alpha 8 (ITGA8)	L36531
289	B07i	I	DNA mismatch repair protein MSH6; mutS alpha 160-kDa subunit; G/T mismatch binding protein (GTMBP; GTBP)	U54777
290	B07j	I	DNA nucleotidylexotransferase; terminal addition enzyme; terminal deoxynucleotidyltransferase (DNNT; TDT)	M11722; K01919
291	B07k	A	CDC27HS protein	U00001
292	B07l	J	rab geranylgeranyltransferase alpha subunit (rab GG transferase; rab GGTase)	Y08200
293	B07m	I	cytidine deaminase (CDA)	L27943
294	B07n	H	tumor necrosis factor receptor 1-associated death domain protein (TNFR1-associated death domain protein; TRADD)	L41690

295	B08a	N	interleukin 1 receptor(IL1R)	M27492
		ad		
		d		
296	B08b	A	CDC-like kinase 1 (CLK1)	L29222
297	B08c	N	CSDA	NM_00365
		ad		1
		d		
298	B08d	N	tyrosine kinase receptor tie-1 precursor	X60957; S89716
299	B08e	N	erbB4 proto-oncogene; HER4; neuregulin receptor	L07868
300	B08f	B	C-src proto-oncogene (SRC1)	K03214; X03996
301	B08g	B	serine/threonine-protein kinase KKIALLRE	X66358
302	B08h	G	MHC class I molecule; MHC class I subunit-related protein A (MICA); PERB11.1	U65416; U69631; X92841
303	B08i	N	c-kit proto-oncogene; mast/stem cell growth factor receptor precursor (SCFR); CD117 antigen	X06182
304	B08j	J	3-hydroxy-3-methylglutaryl-coenzyme A reductase (HMG-CoA reductase; HMGCR)	M11058
305	B08k	N	c-fos induced growth factor (vascular endothelial growth factor D)	D89630
306	B08l	N	estrogen receptor 1 (ESR1); estrogen receptor alpha (ER-alpha); estradiol receptor; 80-kDa estrogen receptor	M12674; X03635; U47678; AF172068
307	B08m	B	ras-related protein RAB1A; YPT1-related protein	M28209
308	B08n	I	DNAJ protein homolog 2 (DNAJ2; hDJ2; HSJ2)	D13388
309	B09a	A	retinoblastoma-associated protein1 (RB1); phosphoprotein 110 (pp110)	M15400
310	B09b	I	guanine nucleotide release/exchange factor (GNRP); ras-GRF; sos	L13857
311	B09c	N	SII, TCEA1, transcription elongation factor A, TFIIS	NM_00675
		ad		6
		d		
312	B09d	J	rab geranylgeranyl transferase beta subunit	Y08201

313	B09e	J	prostaglandin G/H synthase 2 precursor (PGH synthase 2; PGHS2; PTGS2); cyclooxygenase 2 (COX2); prostaglandin-endoperoxide synthase 2	M90100
314	B09f	B	ras homolog gene family member B (RHOB; ARHB); ARH6; H6	X06820
315	B09g	N	COX6C	NM_00437
		ad		4
		d		
316	B09h	B	ras-related protein RAB3A	M28210
317	B09i	J	elongation factor 1 alpha (EF1-alpha; EF1A)	M27364
318	B09j	K	glutathione S-transferase theta 1 (GSTT1)	X79389
319	B09k	N	HSACTA, vascular smooth muscle alpha-actin	X13839
		ad		
		d		
320	B09l	I	IkappaB epsilon (IKBE)	U91616
321	B09m	N	synaptogyrin 2	AJ002308
		ad		
		d		
322	B09n	K	cytosolic superoxide dismutase 1 (SOD1)	K00065; X02317
323	B10a	C	ras homolog gene family member C (RHOC; ARHC); ARH9; H9	L25081
324	B10b	A	cell division protein kinase 8 (CDK8); protein kinase K35	X85753
325	B10c	E	matrix metalloproteinase 2 (MMP2); 72-kDa gelatinase A; 72-kDa type IV collagenase precursor (CLG4A); H-ras-transformed bronchial epithelial cells protein (TBE1)	J03210; J05471
326	B10d	N	GFAT; glutamine: fructose-6-phosphate amidotransferase; glutamine-fructose-6-phosphate transaminase 1	M90516
		ad		
		d		
327	B10e	E	collagen XI alpha 2 subunit (COL11A2)	U32169
328	B10f	N	GPX2	NM_00208
		ad		3
		d		
329	B10g	A	clone DKFZp434C0820 (RZPD human testis library); similar to chicken cyclin B3 (CCNB3)	AL137550
330	B10h	N	fibroblast growth factor receptor 4 (FGFR4)	L03840

331	B10i	E	40S ribosomal protein SA (RPSA); 34/67-kDa laminin receptor; laminin receptor 1 (LAMR1); colon carcinoma laminin-binding protein; NEM/1CHD4	U43901
332	B10j	K	heat shock protein 40 homolog (HSP40 homolog); DNAJW	U40992
333	B10k	J	Homo sapiens N-acetyltransferase 1 (arylamine N-acetyltransferase) (NAT1) mRNA	AF071552
334	B10l	N	QSCN6, quiescin Q6	U97276
		ad		
		d		
335	B10m	E	vascular endothelial growth factor precursor (VEGF); vascular permeability factor (VPF)	M32977; M27281
336	B10n	G	interleukin 18 precursor (IL18); interferon gamma-inducing factor (IFN-gamma-inducing factor; IGIF); interleukin 1 gamma (IL1-gamma)	D49950
337	B11a	I	proliferating cyclic nuclear antigen (PCNA); cyclin	M15796; J04718
338	B11b	J	aldehyde oxidase (hAOX)	L11005
339	B11c	B	protein phosphatase PP2A 61-kDa regulatory subunit epsilon	L76703
340	B11d	N	tumor necrosis factor receptor superfamily member 1A (TNFRSF1A); tumor necrosis factor receptor 1 (TNFR1); tumor necrosis factor-binding protein 1 (TBP1); CD120A antigen	M33294
341	B11e	F	TIS11B protein; butyrate response factor 1 (BRF1); EGF response factor 1 (ERF1)	X79067
342	B11f	H	cellular apoptosis susceptibility protein (CAS); chromosome segregation gene homolog	U33286
343	B11g	G	interleukin 15 (IL15)	U14407
344	B11h	E	matrix metalloproteinase 17 (MMP17); membrane-type matrix metalloproteinase 4 (MT-MMP4)	X89576
345	B11i	N	K12 protein precursor(K12 (SECTM1), a novel human gene that encodes a Golgi-associated protein with transmembrane and secreted isoforms	U77643
		ad		
		d		
346	B11j	I	xeroderma pigmentosum group C complementing protein (XPC)	D21089
347	B11k	B	peptidyl-prolyl cis-trans isomerase nima-interacting 1 (PIN1)	U49070

348	B11l	N	PACE4E-I, PACE4 isoform, paired basic amino acid	D87993
		ad	cleaving system 4	
		d		
349	B11m	E	cadherin 2 (CDH2); neural cadherin precursor (N-cadherin; NCAD)	M34064; X57548; X54315; S42303
350	B11n	I	UMP-CMP kinase	AF070416
351	B12a	N	KCHIP2(A-type potassium channel modulatory protein 2)	AJ276317
		ad	gene, 3'UTR, partial	
		d		
352	B12b	M	type I cytoskeletal 9 keratin (KRT9); cytokeratin 9 (CK 9)	Z29074; S69510
353	B12c	I	activating transcription factor 6 (ATF6)	AF005887
354	B12d	L	multidrug resistance-associated protein 1 (MRP1); ABCC1	L05628
355	B12e	I	high mobility group protein isoforms I & Y (HMGIY)	M23619
356	B12f	C	cytohesin-1; Sec7p-like protein	U59752
357	B12g	I	Y box-binding protein 1 (YBX1; YB1); nuclease sensitive element binding protein 1 (NSEP1); DNA-binding protein B (DBPB)	X96666; U12982; U13007
358	B12h	E	vascular endothelial growth factor B precursor (VEGFB) + VEGF-related factor 186 (VRF186)	U48801; U43369
359	B12i	E	wingless-related MMTV integration site 8b protein (WNT8B)	X91940
360	B12j	A	cyclin E2 (CCNE2)	AF091433
361	B12k	E	focal adhesion kinase (FADK); proline-rich tyrosine kinase 2 (PYK2)	L13616
362	B12l	B	ribosomal protein S6 kinase II alpha 1 (S6KII-alpha 1); ribosomal S6 kinase 1 (RSK1)	L07597
363	B12m	B	Homo sapiens pyruvate dehydrogenase kinase, isoenzyme 2 (PDK2), mRNA	NM_00261 1
364	B12n	N	TSC403 protein (a novel human lung-specific gene)	AB013924
		ad		
		d		
365	B13a	B	raf1 proto-oncogene	X03484
366	B13b	L	fibroblast adenine nucleotide translocator 2 (ANT2)	J02683
367	B13c	N	membrane component, chromosome 1, surface marker 1,	X13425

		ad	pancreatic carcinoma marker GA733-1	
		d		
368	B13d	G	interleukin 5 precursor (IL5); T-cell replacing factor (TRF); eosinophil differentiation factor; B-cell differentiation factor I	X04688; J03478
369	B13e	A	G1/S-specific cyclin D1 (CCND1); cyclin parathyroid adenomatosis 1 (PRAD1); bcl-1 oncogene	X59798
370	B13f	L	ATP-binding cassette subfamily G (white) member 2 (ABCG2); breast cancer resistance protein (BCRP); mitoxantrone resistance protein 1 (MXR1)	AF098951
371	B13g	A	CDC10 protein homolog	S72008
372	B13h	B	retinoid X receptor alpha (RXRA)	X52773
373	B13i	I	growth arrest & DNA damage-inducible protein 45 gamma (GADD45 gamma)	AF078078
374	B13j	L	ATP-binding cassette subfamily A member 3 (ABCA3)	U78735
375	B13k	G	interleukin 16 (IL16); lymphocyte chemoattractant factor (LCF)	M90391
376	B13l	E	matrix metalloproteinase 15 (MMP15); membrane-type matrix metalloproteinase 2 (MT-MMP2)	Z48482
377	B13m	N	tumor necrosis factor receptor superfamily member 1B (TNFRSF1B); tumor necrosis factor receptor 2 precursor (TNFR2); tumor necrosis factor-binding protein 2 (TBP2); CD120B antigen	M32315; M55994
378	B13n	E	collagen XVIII alpha 1 subunit (COL18A1)	L22548
379	B14a	N	GNA12	NM_00735
		ad		3
		d		
380	B14b	N	N-sam; fibroblast growth factor receptor1 precursor (FGFR1); basic fibroblast growth factor receptor precursor (BFGFR); fms-like tyrosine kinase 2 (FLT2); heparin-binding growth factor receptor (HBGFR-alpha A1); HBGFR-alpha-A2; HBGFR-alpha-A3	X66945; M34641; M34186; M37722; M63887; M63888; M63889
381	B14c	N	CAD	NM_00434
		ad		1
		d		

382	B14d	B	fos-related antigen 2 (FRA2); fos-like antigen 2 (FOSL2)	X16706
383	B14e	E	laminin gamma 2 subunit precursor (LAMC2)	Z15009
384	B14f	B	L-myc proto-oncogene (MYCL1)	M19720
385	B14g	N	mitochondrial carnitine palmitoyltransferase I	L39211
		ad		
		d		
386	B14h	G	interleukin 6 receptor alpha subunit precursor (IL6R-alpha; IL6RA); CD126 antigen	X12830
387	B14i	E	nuclear prelamin A recognition factor (NARF)	AF128406
388	B14j	G	interferon-induced guanylate-binding protein 1; guanine nucleotide-binding protein 1	M55542
389	B14k	B	c-jun proto-oncogene; avian sarcoma virus 17 oncogene homolog; transcription factor AP-1	J04111
390	B14l	N	ILF2	NM_00451
		ad		5
		d		
391	B14m	B	phosphatidylinositol 3-kinase regulatory alpha subunit (PTDINS-3-kinase P85-alpha; PI3-kinase P85-alpha)	M61906
392	B14n	J	microsomal UDP-glucuronosyltransferase 1-6 precursor (UDPGT; UGT1.6; UGT1F; GNT1)	J04093
785	E01a	B	Abelson murine leukemia viral oncogene homolog 2 (ABL2); Abelson-related gene (ARG)	M35296
786	E01b	N	3-phosphoglycerate dehydrogenase	NM_00662
		ad		3
		d		
787	E01c	A.	cyclin-dependent kinase inhibitor 1B (CDKN1B); p27; Kip1	U10906
788	E01d	N	insulin-like growth factor-binding protein 2 (IGF-binding protein 2; IGFBP2; IBP2)	M35410
789	E01e	N	type 1 angiotensin II receptor [human, liver], translation releasing factor RF-3 prfC [similarity] GTP binding; nucleotide binding; P-loop	S77410
		ad		
		d		
790	E01f	M	type I cytoskeletal 18 keratin (KRT18); cytokeratin 18 (CK18)	M26326
791	E01g	E	urokinase-type plasminogen activator receptor GPI-anchored form precursor (U-PAR; PLAUR); monocyte activation antigen MO3; CD87 antigen	M83246; X51675

792	E01h	A	checkpoint kinase 1 (CHK1)	AF016582
793	E01i	B	ras-related protein RAB11B; YPT3	X79780
794	E01j	H	BCL2 homologous antagonist/killer (BAK)	U23765; U16811; X84213
795	E01k	N	OSGEP	NM_01780
		ad		7
		d		
796	E01l	I	PRB-binding protein E2F1; retinoblastoma-binding protein 3 (RBBP3); retinoblastoma-associated protein 1 (RBAP1); PBR3	M96577
797	E01m	J	cytochrome P450 IIC19 (CYP2C19)	M61854
798	E01n	I	DNA topoisomerase III alpha (TOP3A)	U43431
799	E02a	J	mitochondrial brown fat uncoupling protein 1 (UCP1)	U28480
800	E02b	K	glutathione synthetase (GSH synthetase; GSH-S); glutathione synthase	U34683
801	E02c	A	cell division cycle 25 homolog B (CDC25B); CDC25HU2; M-phase inducer phosphatase 2 (MPI2)	M81934; S78187
802	E02d	E	integrin beta 3 (ITGB3); platelet membrane glycoprotein IIIA precursor (GP3A); CD61 antigen	J02703; M25108
803	E02e	N	neuromedin B precursor (NMB)	M21551
804	E02f	I	mutL protein homolog1 (MLH1); colon cancer nonpolyposis type 2 protein (COCA2)	U07418
805	E02g	N	ARVCF	NM_00167
		ad		0
		d		
806	E02h	N	COX7C	NM_00186
		ad		7
		d		
807	E02i	N	erythropoietin receptor (EPOR)	M60459
808	E02j	B	cAMP-dependent protein kinase gamma-catalytic subunit (PKA C-gamma)	M34182
809	E02k	N	cathepsin L precursor; major excreted protein (MEP)	X12451
810	E02l	J	folylpolyglutamate synthase (FPGS)	M98045
811	E02m	N	cathepsin B precursor (CTSB); APP secretase	M14221
812	E02n	E	ezrin; cytovillin 2; villin 2 (VIL2)	X51521

813	E03a	I	xeroderma pigmentosum group G complementing protein (XPG); X-ray repair-complementing defective repair in Chinese hamster cells 5 (XRCC5)	L20046; X69978
814	E03b	I	DNA polymerase alpha catalytic subunit (POLA)	X06745
815	E03c	E	cadherin1 (CDH1); epithelial cadherin precursor (E-cadherin; CDHE); uvomorulin (UVO); CAM 120/80	Z13009
816	E03d	E	urokinase-type plasminogen activator precursor (U-plasminogen activator; UPA)	M15476; D00244
817	E03e	I	telomerase reverse transcriptase (hTRT)	AF015950
818	E03f	A	cyclin-dependent kinase inhibitor 1C (CDKN1C); p57-KIP2	U22398
819	E03g	E	laminin beta 3 subunit precursor (LAMB3); laminin B1K chain; kalinin B1 chain	L25541
820	E03h	H	caspase & RIP adaptor with death domain (CRADD); RIP-associated protein with death domain (RAIDD)	U84388
821	E03i	B	FRAP-related protein 1 (FRP1); ataxia telangiectasia- & RAD3-related protein (ATR)	U49844
822	E03j	N	CTGF	NM_00190
		ad		1
		d		
823	E03k	B	H-ras proto-oncogene; transforming G protein	V00574
824	E03l	N	TGFA	NM_00323
		ad		6
		d		
825	E03m	B	stress-activated protein kinase 4 (SAPK4)	AF004709
826	E03n	J	cytochrome P450 IIE1 (CYP2E1)	J02625
827	E04a	N	TLS-associated serine-arginine protein 2	BC005039
		ad		
		d		
828	E04b	J	microsomal UDP-glucuronosyltransferase 1-1 precursor (UDPGT; UGT1.1; UGT1A; GNT1); bilirubin-specific isozyme 1 (hUG-BR1)	M57899
829	E04c	N	tyrosyl-tRNA synthetase	U89436
		ad		
		d		
830	E04d	I	guanine nucleotide-binding protein G(Y) alpha 11 subunit (GNA11)	M69013

831	E04e	N	TOB1	NM_005749
832	E04f	J	tissue inhibitor of metalloproteinases 3 (TIMP3); mitogen-inducible gene 5 (MIG5)	Z30183
833	E04g	B	oncostatin M (OSM)	M27288
834	E04h	H	caspase 4 precursor (CASP4); CASP5; ICH2 cysteine protease; ICH3; TX protease; TY protease; ICE(REL) III	U28014; U28015
835	E04i	N	insulin-like growth factor I receptor (IGF1R)	X04434; M24599
836	E04j	B	GAP-ASSOCIATED TYROSINE PHOSPHOPROTEIN P62	M88108
837	E04k	N	interleukin 9 receptor precursor (IL9R)	M84747
838	E04l	B	neurofibromatosis protein type I (NF1); neurofibromin	M60915
839	E04m	B	casein kinase I alpha isoform (CKI-alpha); CK1; CSNK1A	X80693
840	E04n	G	tumor necrosis factor type 1 receptor-associated protein (TRAP1)	U12595
841	E05a	M	type II cytoskeletal 2 oral keratin; cytokeratin 2P (CK2P)	M99063
842	E05b	B	nck, ash & phospholipase C gamma-binding protein (NAP4)	AB005216
843	E05c	B	c-abl proto-oncogene	M14752
844	E05d	H	caspase 8 precursor (CASP8); MCH5; ICE-LIKE apoptotic protease 5; MORT1-associated CED-3 homolog (MACH); FADD-homologous ICE/CED-3-like protease; FADD-like ICE (FLICE); CAP4	U60520; U58143; X98172; X98173; X98174; AF00962
845	E05e	N	lymphopain	AF013611
846	E05f	B	kinase suppressor of ras-1 (KSR1)	U43586
847	E05g	B	Janus tyrosine-protein kinase 1 (JAK1)	M35203
848	E05h	B	1D-myo-inositol-trisphosphate 3-kinase B; inositol 1,4,5-trisphosphate 3-kinase (IP3 3-kinase; IP3K)	X57206
849	E05i	A	cyclin-dependent kinase regulatory subunit 1 (CKS1)	X54941
850	E05j	J	uridine diphosphoglucose pyrophosphorylase; UTP-glucose-1-phosphate uridylyltransferase	U27460
851	E05k	I	BRCA1-associated ring domain protein 1 (BARD1)	U76638
852	E05l	B	ribosomal protein S6 kinase II alpha 3 (S6KII-alpha 3); ribosomal S6 kinase 2 (RSK2); insulin-stimulated protein	U08316

			kinase 1 (ISPK1)	
853	E05m	E	integrin alpha 4 precursor (ITGA4); VLA4; CD49D antigen	L12002; X16983; X15356
854	E05n	B	protein phosphatase with EF-hands-2 long form (PPEF2)	AF023456
855	E06a	N	ALCAM	NM_00162
		ad		7
		d		
856	E06b	A	cell division control protein 2 homolog (CDC2); p34 protein kinase; cyclin-dependent kinase 1 (CDK1)	X05360
857	E06c	J	uridine 5'-monophosphate synthase (UMP synthase)	J03626
858	E06d	C	RHO GDP-dissociation inhibitor 3 (RHO-GDI 3); RHO-GDI gamma; ARHGDIG	U82532
859	E06e	I	excision repair cross-complementing rodent repair deficiency complementation group 1 (ERCC1)	M13194
860	E06f	B	hint protein; protein kinase C inhibitor 1 (PKCI1)	U51004
861	E06g	B	protein kinase C zeta type (NPKC-zeta)	Z15108
862	E06h	B	phospholipase D1 (PLD1); choline phosphatase 1; phosphatidylcholine-hydrolyzing phospholipase D1	U38545
863	E06i	N	GT(Graves' disease patient thyroid clone hGT-7 cDNA)	M31659
		ad	mitochondrial solute carrier protein	
		d		
864	E06j	B	C-cbl proto-oncogene	X57110
865	E06k	B	mitogen-activated protein kinase kinase kinase 5 (MAPKKK5; MAP3K5); MAP/ERK kinase kinase 5 (MEKK5); apoptosis signal-regulating kinase 1 (ASK1)	D84476
866	E06l	N	interleukin 13 receptor	U70981
867	E06m	B	bone morphogenetic protein 6 precursor (BMP6)	M60315
868	E06n	B	N-myc proto-oncogene	M13228
869	E07a	B	smooth muscle & non-muscle myosin light chain kinase (MLCK)	U48959
870	E07b	B	phosphatidylinositol 3 kinase catalytic subunit beta isoform (PIK3CB); PI3 kinase P110 subunit beta (PTDINS 3 kinase beta; PI3K)	S67334
871	E07c	E	selectin E precursor (SELE; ESEL); endothelial leukocyte adhesion molecule 1 (ELAM1)	M30640; M61893

872	E07d	B	glycogen synthase kinase 3 alpha (GSK3-alpha)	L40027
873	E07e	N	Estrogen sulfatase	L25275
		ad		
		d		
874	E07f	N	Mac-2 binding protein(superfamily defined by the	L13210
		ad	macrophage scavenger receptor cysteine-rich domain	
		d		
875	E07g	C	Rho7 protein	X95456
876	E07h	B	ras-related protein RAB8; MEL oncogene	X56741
877	E07i	N	PFKP	NM_00262
		ad		7
		d		
878	E07j	B	cblC proto-oncogene; cbl3	AB028645
879	E07k	N	MTMR4	NM_00468
		ad		7
		d		
880	E07l	N	tra1, tumor rejection antigen 1,calcium binding protein, cell	X15187
		ad	surface glycoprotein, heat shock protein, stress protein	
		d		
881	E07m	N	PTPNS1(also called P84)	NM_08079
		ad		2
		d		
882	E07n	N	HSPC195	NM_01646
		ad		3
		d		
883	E08a	N	tyrosine-protein kinase receptor UFO precursor; axl	M76125
			oncogene	
884	E08b	B	mitogen-activated protein kinase kinase 5 (MAP kinase	U25265
			kinase 5; MAPKK5; MAP2K5; PRKMK5); MAPK/ERK kinase	
			5 (MEK5)	
885	E08c	E	cadherin 12 (CDH12); brain cadherin precursor	L34057;
			(BR-cadherin); neural cadherin 2 (N-cadherin 2)	L33477
886	E08d	B	ras-related protein RAB2	M28213
887	E08e	F	p53-dependent cell growth regulator CGR19	U66469
888	E08f	L	sulfonylurea receptor (SUR); ATP-binding cassette	L78207
			subfamily C (CFTR/MRP) member 8 (ABCC8)	

889	E08g	B	Homo sapiens v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma) (AKT3), mRNA	NM_00546 5
890	E08h	J	farnesyl-diphosphate farnesyltransferase 1 (FDFT1); squalene synthetase (SQS; SS)	X69141
891	E08i	N	DLL1	AF196571
		ad		
		d		
892	E08j	J	cytochrome P450 reductase	S90469
893	E08k	B	mitogen-activated protein kinase 9 (MAP kinase 9; MAPK9; PRKM9); c-jun N-terminal kinase 2 (JNK2); JNK55	L31951
894	E08l	G	heparan sulfate proteoglycan (HSPG2)	M85289
895	E08m	E	integrin beta 7 precursor (ITGB7)	M62880; S80335
896	E08n	N	interleukin 3 receptor beta subunit precursor (IL3R-beta; IL3RB); interleukin 5 receptor beta subunit precursor (IL5R-beta; IL5R); cytokine receptor common beta chain precursor; CSF2RB	M59941
897	E09a	J	gamma-glutamyl hydrolase precursor (GGH; GH); foyl/polygammaglutamyl hydrolase; gamma-glu-X carboxypeptidase; conjugase	U55206
898	E09b	B	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A (CAM-PDE1A); HCAM-1	U40370
899	E09c	G	interleukin 14 precursor (IL14); high molecular weight B-cell growth factor (HMW-BCGF)	L15344
900	E09d	E	tissue-type plasminogen activator precursor (T-plasminogen activator; TPA)	M15518; X07393; M18182
901	E09e	E	cadherin 3 (CDH3); placental cadherin precursor (P-cadherin; CDHP)	X63629
902	E09f	N	mal, T-cell differentiation protein	X76220
		ad		
		d		
903	E09g	F	fibroblast growth factor 6 precursor (FGF6); HBGF6; HST2	X63454

904	E09h	M	cytokeratin 6A (CK6A); K6A keratin (KRT6A); CK6B; KRT6B; CK6C; KRT6C; CK6D; KRT6D; CK6E; KRT6E; CK6F; KRT6F	J00269; L42592; L42601; L42610; L42611; L42612
905	E09i	M	type I cytoskeletal 14 keratin (KRT14); cytokeratin 14 (CK14)	J00124
906	E09j	N	RSU1	NM_01242
		ad		5
		d		
907	E09k	H	fas antigen; fasL receptor precursor; apoptosis antigen 1 (APO1; APT1); tumor necrosis factor receptor superfamily member 6 (TNFRSF6); CD95 antigen	M67454
908	E09l	H	TNF-related apoptosis inducing ligand (TRAIL); APO-2 ligand (APO2L)	U57059
909	E09m	E	T-cell surface glycoprotein CD8 beta.1 subunit precursor	X13444
910	E09n	B	retinoic acid receptor beta (RXR-beta; RXRB)	M84820; X63522; S54072
911	E10a	B	neuromodulin; growth-associated protein 43 (GAP43); protein F1; calmodulin-binding protein p57	M25667
912	E10b	B	extracellular signal-regulated kinase 6 (ERK6); stress-activated protein kinase-3; mitogen-activated protein kinase p38 gamma; (MAP kinase p38 gamma)	X79483
913	E10c	N	insulin-like growth factor binding protein 4 precursor (IGF-binding protein 4; IGFBP4; IBP4)	M62403
914	E10d	N	interferon alpha/beta receptor alpha subunit precursor (IFN-alpha receptor; IFNAR)	J03171
915	E10e	B	transforming growth factor alpha (TGF-alpha; TGFA)	K03222
916	E10f	B	mitogen-activated protein kinase 3 (MAP kinase 3; MAPK3; PRKM3); extracellular signal-regulated kinase 1 (ERK1); ERT2	X60188
917	E10g	B	ras-related protein RAB28	X94703
918	E10h	M	Human vinculin mRNA, complete cds	M33308
919	E10i	E	integrin alpha 6 precursor (ITGA6); VLA6; CD49F antigen	X53586;

				X59512
920	E10j	E	matrix metalloproteinase 10 (MMP10); stromelysin 2 precursor (STMY2; SL2); transin 2	X07820; M30461
921	E10k	G	gamma-interferon-inducible protein; IP-30	J03909
922	E10l	K	microsomal glutathione S-transferase 1 (MGST1); GST12	J03746
923	E10m	B	signal transducer and activator of transcription 1 alpha/beta (STAT1); transcription factor ISGF-3 components p91/p84	M97935
924	E10n	N	RYR2, HSRYAN2, ryanodine receptor 2	NM_00103
		ad		5
		d		
925	E11a	B	serine/threonine-protein kinase PCTAIRE 2 (PCTK2)	X66360
926	E11b	N	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)	M37722
927	E11c	J	ubiquitin-conjugating enzyme E2 32-kDa complementing protein; ubiquitin-protein ligase; ubiquitin carrier protein; CDC34	L22005
928	E11d	N	methylene tetrahydrofolate dehydrogenase,	X16396
		ad	NAD-dependent methylene tetrahydrofolate dehydrogenase	
		d	cyclohydrolase(EC 1.5.1.15)	
929	E11e	G	interferon regulatory factor 1 (IRF1)	X14454
930	E11f	J	NADP+ dihydropyrimidine dehydrogenase precursor (DPD); dihydrouracil dehydrogenase; dihydrothymine dehydrogenase (DPYD)	U09178
931	E11g	M	tubulin gamma subunit	M61764
932	E11h	A	G1/S-specific cyclin D3 (CCND3)	M92287
933	E11i	A	CDC-like kinase 2 (CLK2)	L29216
934	E11j	H	cell death-inducing DFFA-like effector A (CIDEA)	AF041378
935	E11k	C	rho6 protein	Y07923
936	E11l	E	matrix metalloproteinase 18 (MMP18); MMP19	Y08622; X92521
937	E11m	N	APEX2	NM_01448
		ad		1
		d		
938	E11n	I	DNA topoisomerase II beta (TOP2B)	X68060
939	E12a	B	ras-related protein RAB5C	U18420
940	E12b	B	casein kinase I gamma 2 (CKI-gamma 2)	U89896

941	E12c	J	metalloprotease/disintegrin/cysteine-rich protein precursor (MDC9)	U41766
942	E12d	B	ras-related C3 botulinum toxin substrate 2; p21-rac2; small G protein	M64595; M29871
943	E12e	B	phospholipase C gamma 1 (PLC-gamma 1; PLCG1); PLC-II; PLC-148; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma 1	M34667
944	E12f	C	rho GDP dissociation inhibitor 2 (RHO GDI2; RHO-GDI beta); LY-GDI; ARHGDIB; GDID4	L20688
945	E12g	I	DNA recombination & repair protein HNGS1	AF022778
946	E12h	N	nuclear receptor interacting protein 1 (RIP140); nuclear factor RIP140 modulates transcriptional activation by the estrogen receptor	X84373
947	E12i	E	wingless-related MMTV integration site 5a protein (WNT5A)	L20861
948	E12j	B	n-ras proto-oncogene; transforming protein p21	X02751
949	E12k	E	platelet glycoprotein IV (GPIV; PAS IV; PAS4); GPIIIB; CD36 antigen	M24795
950	E12l	A	cyclin-dependent kinase 4 inhibitor 2 (CDK4i; CDKN2); p16-INK4; multiple tumor suppressor 1 (MTS1)	L27211
951	E12m	B	C-jun N-terminal kinase 3 alpha2 (JNK3A2); PRKM10 + MAP kinase p493F12	U34819 + U07620
952	E12n	B	NCK melanoma cytoplasmic src homolog (HSNCK)	X17576
953	E13a	L	MRP/organic anion transporter (MOAT-B)	AF071202
954	E13b	C	rho-related GTP-binding protein (RHOG); ARHG	X61587
955	E13c	E	cadherin 8 (CDH8)	L34060
956	E13d	E	integrin beta 7 precursor (ITGB7)	M62880; S80335
957	E13e	J	peroxisome proliferator activated receptor alpha (PPAR-alpha; PPARA)	L02932
958	E13f	B	serine/threonine-protein kinase PCTAIRE 1 (PCTK1)	X66363
959	E13g	C	RHO GDP-dissociation inhibitor 3 (RHO-GDI 3); RHO-GDI gamma; ARHGDIG	U82532
960	E13h	B	serine/threonine-protein kinase PCTAIRE 1 (PCTK1)	X66363
961	E13i	I	histone deacetylase 2 (HD2)	U31814
962	E13j	J	rab geranylgeranyltransferase alpha subunit (rab GG transferase; rab GGTase)	Y08200

963	E13k	B	ataxia telangiectasia (ATM)	U33841
964	E13l	J	gamma-glutamyl hydrolase precursor (GGH; GH); folylpolygammaglutamyl hydrolase; gamma-glu-X carboxypeptidase; conjugase	U55206
965	E13m	E	beta 3-endonexin	U37139
966	E13n	B	phospholipase C (PLCL)	D42108
967	E14a	J	folylpolyglutamate synthase (FPGS)	M98045
968	E14b	I	DNA topoisomerase III alpha (TOP3A)	U43431
969	E14c	N	tumor necrosis factor receptor superfamily member 1B (TNFRSF1B); tumor necrosis factor receptor 2 precursor (TNFR2); tumor necrosis factor-binding protein 2 (TBP2); CD120B antigen	M32315; M55994
970	E14d	C	rho-related GTP-binding protein (RHOG); ARHG	X61587
971	E14e	Y	liver glyceraldehyde 3-phosphate dehydrogenase (GAPDH; G3PDH)	X01677
972	E14f	I	dihydrofolate reductase (DHFR)	V00507
973	E14g	B	neurotrophin 3 precursor (NT3); nerve growth factor 2 (NGF2)	X53655; M37763
974	E14h	B	ras-related protein RAB28	X94703
975	E14i	Y	liver glyceraldehyde 3-phosphate dehydrogenase (GAPDH; G3PDH)	X01677
976	E14j	A	retinoblastoma-related protein p107	L14812
977	E14k	N	interleukin 2 receptor alpha subunit precursor (IL2 receptor alpha subunit; IL2RA); TAC antigen; CD25 antigen	X01057; X01058; X01402
978	E14l	B	EB1 protein	U24166
979	E14m	E	integrin alpha 4 precursor (ITGA4); VLA4; CD49D antigen	L12002; X16983; X15356
980	E14n	B	TSG101 tumor susceptibility protein	U82130
393	C01a	A	G1 to S phase transition protein 1 homolog; GTP-binding protein GST1-HS	X17644
394	C01b	N	man9-mannosidase, HUMM9, mannosidase, alpha, class ad d 1A, member 1(ergion of cds is HUMM3)	X74837
395	C01c	B	met proto-oncogene (hepatocyte growth factor receptor)	J02958

396	C01d	B	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C (CAM-PDE1C); HCAM-3	U40371
397	C01e	E	protein C inhibitor (PROCI; PCI); plasma serine protease inhibitor precursor; plasminogen activator inhibitor 3 (PLANH3; PAI3)	M68516; J02639
398	C01f	K	glutathione S-transferase mu1 (GSTM1; GST1); HB subunit 4; GTH4	X68676; S01719
399	C01g	E	integrin-linked kinase (ILK)	U40282
400	C01h	K	bleomycin hydrolase (BLM hydrolase)	X92106
401	C01i	B	jagged homolog 2 (JAG2)	AF003521
402	C01j	E	matrix metalloproteinase 3 (MMP3); stromelysin 1 precursor (STMY1; SL1); transin 1	X05232
403	C01k	B	signal transducer & transcription activator 5A (STAT5A);STAT5B	U47686
404	C01l	K	microsomal glutathione S-transferase II (microsomal GSTII)	U77604
405	C01m	I	X-ray repair-complementing defective repair in Chinese hamster cells 4 (XRCC4)	U40622
406	C01n	G	interleukin 12 beta subunit precursor (IL12-beta; IL12B); cytotoxic lymphocyte maturation factor 40-kDa subunit (CLMF p40); NK cell stimulatory factor subunit 2 (NKSF2)	M65290
407	C02a	N	CHD13	NM_00125
		ad		7
		d		
408	C02b	J	Homo sapiens UDP glycosyltransferase 1 family, polypeptide A1 (UGT1A1), mRNA	NM_00046 3
409	C02c	I	DNA-binding protein RFX5	X85786
410	C02d	K	90-kDa heat-shock protein A (HSP90A); HSP86; HSPCA	X07270
411	C02e	G	interleukin 6 precursor (IL6); B-cell stimulatory factor 2 (BSF2); interferon beta 2 (IFNB2); hybridoma growth factor	X04602; M14584
412	C02f	B	phospholipase C beta 4 (PLC-beta 4; PLCB4)	L41349
413	C02g	J	farnesyltransferase beta	L10414
414	C02h	N	BSN; bassoon; presynaptic cytomatrix protein	NM_00345
		ad		8
		d		
415	C02i	G	interferon-induced guanylate-binding protein 2; guanine nucleotide-binding protein 2	M55543

416	C02j	B	serum- & glucocorticoid-regulated serine/threonine protein kinase (SGK)	AJ000512
417	C02k	I	zinc finger protein	Y14443
418	C02l	G	interleukin 1 alpha precursor (IL1-alpha; IL1A); hematopoietin 1	X02851
419	C02m	B	cell surface glycoprotein MUC18; melanoma-associated antigen A32; CD146 antigen; melanoma adhesion molecule	M28882
420	C02n	N	catD; cathepsin D; aspartic proteinase	M63138
		ad		
		d		
421	C03a	L	importin alpha 3 subunit; karyopherin alpha 3 subunit	Y12394
422	C03b	E	matrix metalloproteinase 1 (MMP1); interstitial collagenase precursor (CLG); fibroblast collagenase	X05231
423	C03c	I	early growth response protein 1 (EGR1); transcription factor ETR103; KROX24; zinc finger protein 225 (ZNF225); AT225	X52541; M62829
424	C03d	B	protein tyrosine phosphatase sigma	Z48541
425	C03e	A	p53-binding mouse double minute 2 homolog (MDM2)	Z12020; M92424
426	C03f	J	Homo sapiens cytochrome P450, subfamily IIIA (naphthalene oxidase), polypeptide 5 (CYP3A5), mRNA	NM_00077 7
427	C03g	J	S-mephenytoin 4 hydroxylase; cytochrome P450 IIC9 (CYP2C9); CYP2C10; CYP2C17; CYP2C18; CYP2C19	M21940; M15331; M21939; M61858; M61854
428	C03h	E	vascular cell adhesion protein 1 precursor (V-CAM1); CD106 antigen	M30257
429	C03i	B	gastrointestinal peptide	AF048700
430	C03j	A	G2/mitotic-specific cyclin G1 (CCNG1; CYCG1)	U47413
431	C03k	N	JM21 (histone deacetylase-linked protein); histone deacetylase 6	AJ011972
		ad		
		d		
432	C03l	N	sorbitol dehydrogenase	U07361
		ad		
		d		
433	C03m	N	insulin-like growth factor II (IGF2); somatomedin A	M29645

434	C03n	E	integrin beta 8 precursor (ITGB8)	M73780
435	C04a	N	IGF2R(insulin-like growth factor 2 receptor)	NM_00087
		ad		6
		d		
436	C04b	B	guanine nucleotide-binding protein gamma 3 subunit (GNG3)	AF188177
437	C04c	H	apoptosis regulator bcl-x	Z23115; L20121; L20122
438	C04d	B	elk-1; ets-related proto-oncogene	M25269
439	C04e	J	eukaryotic translation initiation factor 4E 25-kDa subunit (EIF4E); mRNA cap-binding protein	M15353
440	C04f	B	casein kinase II alpha' subunit (CK II); CSNK2A2	M55268
441	C04g	H	DAXX	AF015956
442	C04h	E	matrix metalloproteinase 7 (MMP7); matrilysin	X07819
443	C04i	N	Insulin receptor-related protein precursor (IR-related receptor; IRR)	J05046
444	C04j	J	cytochrome P450 IID6 (CYP2D6)	M20403; M19697
445	C04k	I	nuclear factor NF-kappa-B p100 subunit; nuclear factor NF-kappa-B p52 subunit; H2TF1; oncogene lyt-10	X61498
446	C04l	N	phosphoenolpyruvate carboxykinase 2	X92720
		ad		
		d		
447	C04m	B	proto-oncogene tyrosine-protein kinase lck; p56-lck; lymphocyte-specific protein tyrosine kinase (LSK); T-cell-specific protein-tyrosine kinase	U07236
448	C04n	B	mitogen-activated protein kinase kinase 3 (MAP kinase kinase 3; MAPKK3; MAP2K3; PRKMK3); MAPK/ERK kinase 3 (MEK3)	L36719
449	C05a	N	amphiregulin (AR) ,growth regulator; tumor inhibitory factor;	M30704
		ad	in breast CA	
		d		
450	C05b	I	DNA mismatch repair protein MSH2	U04045; L47583
451	C05c	E	wingless-related MMTV integration site 2 protein (WNT2);	X07876