

tepper et al THE PROSTATE 2005												
G245S	R248W	R273H	P151S	G245S	R248W	R273H	P151S	G245S	R248W	R273H	P151S	
ADCY1	+	AB026190	+	AB026190	+	ABCB10	+	13CDNA73	-	ACPP	-	ARG1
ADH5	+	ACSL3	+	ACTA2	+	ABCc4	+	ACPP	-	ACSL6	-	ATP2B1
ADPRTL2	+	ACTA2	+	ADCY1	+	ACSL3	+	ACSL4	-	ADD3	-	BCHE
ALDH1A3	+	ADH5	+	ADPRTL2	+	ACTA2	+	ADD3	-	ADRB2	-	C2D4
ALDH2	+	ADPRTL2	+	ALDH1A3	+	ACTG2	+	ADRB2	-	AF1Q	-	AGA
AR	+	AK3	+	ALDH2	+	ACTR3	+	Af1Q	-	AGR2	-	CYP3A7
ARNT2	+	ALDH2	+	ANGPT2	+	ADAM7	+	AHR	-	ALCAM	-	ALCAM
AUTS2	+	ANP32E	+	APOBEC3G	+	ADAM9	+	AHR	-	DDC	-	ALDHA5A1
BAG2	+	APG-1	+	AR	+	ADRB2	+	ARG1	-	ATP2B1	-	EFS
BARD1	+	APG12L	+	ARHGAP19	+	AGR2	+	BAX	-	B2M	-	G6PC
BBX	+	AR	+	ARNT2	+	AIM1	+	BCHE	-	BAX	-	GABARAPL1
BCKDHB	+	ARNT2	+	AUTS2	+	AKR1C1	+	C6orf32	-	BCHE	-	GCLC
BCL6	+	ATR	+	BAG1	+	ALDH1A3	+	CA12	-	C6orf32	-	AUTS2
BDH	+	AUTS2	+	BAG2	+	ANGPT2	+	CM1	-	CD99	-	BCHE
BET1	+	BAG2	+	BARD1	+	ANP32E	+	CELSR1	-	CLN5	-	C12orf22
BTG3	+	BARD1	+	BMP2K	+	APOBEC3G	+	COBL	-	HIF0	-	C21orf5
BTNSA3	+	BCAS2	+	BTG3	+	ARF6	+	COPN2	-	COL16A1	-	HE51
C13orf11	+	BCKDHB	+	C13orf11	+	ARGPB2	+	CTSS	-	HIST1H2AE	-	C6orf111
C4orf15	+	BCL6	+	CASK	+	AZGP1	+	CYP3A7	-	CPN2	-	ID2
CASK	+	BDH	+	CDC2	+	BCAP29	+	DBCCR1L	-	CYP3A7	-	IL24
COL5	+	BET1	+	CDC6	+	BICD2	+	DDC	-	KIAA0861	-	CBS
CCT8	+	BRD2	+	CDK8	+	BMPR1A	+	DDX3Y	-	DBCCR1L	-	KLK3
CDC6	+	BRDT	+	CD51	+	BRC42	+	DDIT3	-	LUM	-	CCNG2
CDK8	+	BTG3	+	CIP29	+	BRD2	+	DKF2P586M120	-	DDX3Y	-	MAGE4A
CD51	+	BTNSA3	+	CKS1B	+	BTG1	+	EFS	-	DKF2P586M120	-	CD24
CIP29	+	C13orf1	+	CREB1	+	BUB1	+	ESD	-	DPF4V1	-	CD59
CKS1B	+	C4orf15	+	CRISP2	+	BUB1B	+	ETV1	-	F1J1236	-	MAPK8
CLPX	+	CAP350	+	CTPS	+	C13orf11	+	FN1	-	PLA2G2A	-	CDH13
CMKOR1	+	CCT8	+	CUL5	+	C14orf120	+	G6PC	-	PNFKB2	-	CITE02
CREB1	+	CDC2	+	CYB561	+	C6orf32	+	GABARAPL1	-	FCGR2A	-	COL16A1
CTH	+	CDC6	+	DAAM1	+	CA12	+	GAGEB1	-	PF4V1	-	CPE
CTPS	+	CD51	+	DAP3	+	CALU	+	GOLC	-	POLR2K	-	CREBL2
CUL5	+	CEACAM3	+	DHRS3	+	CAPN2	+	GLRA3	-	F1J1236	-	DEAF1
DAAM1	+	CFDP1	+	DICER1	+	CCDC6	+	GPR126	-	PLA2G2A	-	DOCK4
DDHD2	+	CIP29	+	DI01	+	CCNA2	+	GSTA1	-	PNFKB2	-	DSP
DDIT4	+	CKS1B	+	DKF2P434C212	+	CCNB1	+	GULP1	-	PPBP2	-	EDNRB
DDX21	+	GLPX	+	DMXL1	+	CCNB2	+	H1F0	-	TNP2	-	EPHA7
DHR53	+	COL4A5	+	E2F3	+	CONE2	+	HIST1H2AE	-	TNSP9	-	EP58
DICE1R1	+	CREB1	+	F2R	+	CDC2	+	HIST1H2BN	-	GDF15	-	F1J12443
DI01	+	CTPS	+	FADS1	+	CLU	+	MAGEA1	-	WNT5A	-	F1J12502
DKF2P434C212	+	CUL5	+	FALZ	+	CD6	+	IR51	-	ZBTB1	-	DSP
DKF2P586M1462	+	CXL11	+	FAM3C	+	CDK9	+	KCNK1	-	GPR126	-	EDNRB
DLEU2	+	CYB561	+	FDFT1	+	CEBDP	+	KIAA0367	-	GULP1	-	EFNB2
DMXL1	+	DS852298E	+	FECH	+	C18S1B	+	KLK3	-	H1F0	-	EPHB7
DSPG3	+	DAAM1	+	F1J14431	+	CKS2	+	LOC13876	-	HIST2H4	-	F1J12443
DSTN	+	DHD2	+	F1J14639	+	CLGN	+	LUM	-	IL24	-	EPS8
E2F3	+	DXD21	+	FJ34588	+	CLU	+	MAGEA1	-	IR51	-	F1J12502
EIF2S3	+	DICER1	+	FNBP3	+	CREB1	+	MAGEA4	-	KCNK1	-	F1J12092
EIF4E	+	DKF2P434C212	+	GAGE3	+	CRISP2	+	MAGEA5	-	KIAA0408	-	FOLH1
ELOWL6	+	DLEU2	+	GLI2	+	CRISP3	+	MCCC2	-	KIAA0767	-	FOS
ELY5	+	DMXL1	+	GNA11	+	CROT	+	MCG39325	-	KIAA0789	-	FOXF1
EPHX1	+	E2F3	+	GNB2L1	+	CTPS	+	MME	-	KIAA0861	-	G6PC
F2R	+	EHHADH	+	GOSR1	+	DBI	+	MT1G	-	KLK3	-	GABARAPL1
FADS1	+	EIF1AX	+	GPNNMB	+	DHFR	+	MYCBP2	-	LCP1	-	GAGEB1
FALZ	+	EIF2S3	+	GTF3A	+	DICER1	+	NEFL	-	LOC13876	-	GALNT3
FAM3C	+	EIF4G1	+	H2AFX	+	DKF2P586M167	+	NFKB2	-	LOC9925	-	GATM
FAT	+	ELY5	+	HIBCH	+	DLG2	+	OGV1	-	LUM	-	GOLC
FDT1	+	ETFDH	+	HIST1H4C	+	DLG7	+	PF4V1	-	MAGEA1	-	GNG11
FECH	+	F2R	+	HMGBl2	+	DPP4	+	PHLDA2	-	MAGEA4	-	GOLGIN-67
F1J14431	+	F2RL1	+	HMMR	+	DR1	+	PLA2G2A	-	MAGEA5	-	GPNNMB
F1J14639	+	FADS1	+	HOMER1	+	DSG2	+	POFUT1	-	MAOA	-	GRB10
FJ34588	+	FALZ	+	HSPCB	+	DUSP4	+	PRKR	-	MME	-	HES1
FM05	+	FAT	+	ID1	+	EIF1AX	+	RAB1A	-	MT1G	-	HLA-B
FNBP3	+	FDFT1	+	IGKC	+	ELK4	+	RPL2A2P7	-	MYCBP2	-	HLF
FNBP4	+	FECH	+	IL7	+	ELL2	+	RP54Y1	-	NEFL	-	HOXA6
GAGE3	+	FJ14431	+	INADL	+	ELOV5	+	RTN1	-	NFKB2	-	IL24
GCLM	+	FJ14639	+	KCNJ3	+	ETV1	+	SEMA3C	-	PF4V1	-	ITGB1BP1
GLI2	+	FJ34588	+	KHDRBS3	+	F2RL1	+	SI	-	PLA2G2A	-	ITPR1
GNA11	+	FM05	+	KIAA0186	+	FADS1	+	SLC39A8	-	PMP2	-	JUN
GNBL2L	+	FNB3	+	KIAA0888	+	FKBP5	+	SLC44A	-	POLR2K	-	JWA
GOSR1	+	FUSIP1	+	KIAA0924	+	FLJ10569	+	SMARDC3	-	PRKR	-	KCN53
GP2	+	GAGE3	+	KIF2C	+	FLJ13035	+	SSX2	-	RAB1A	-	KIAA0121
GPNNMB	+	GAL	+	KNTC2	+	FLJ36754	+	SSX3	-	RPLP1	-	KIAA0247
GTF3A	+	GCLM	+	KPN2A	+	FN1	+	TFPI	-	RP54Y1	-	KIAA0767
GUCY1A3	+	GGH	+	KPNB3	+	FNB3	+	THBS2	-	SDFR1	-	KIAA0789
GUCY1B3	+	GLI2	+	KRA52	+	GBP1	+	TJP2	-	SEMA3C	-	KIAA1002

	G245S	R248W	R273H	P151S	G245S	R248W	R273H	P151S
HCG4	+	GNB2L1	+	LARP	+	GLI2	-	SI
HERC4	+	GOSR1	+	LIM	+	GLRX	-	LAPTM4B
HIBCH	+	GOT2	+	LOC200895	+	GLUD1	-	LGALS8
HIST1H4C	+	GPD2	+	LOC81691	+	GNA1	-	LOC38645
HMG82	+	GPM6B	+	LPP	+	GPR105	-	LUM
HOMER1	+	GSTA4	+	LRRKIP1	+	GSR	-	MAN1A1
HRASL3S	+	GTF3A	+	MAD2L1	+	GTF3A	-	MAP1B
HSPCB	+	GUCY1A3	+	ME1	+	GUCY1A3	-	MB
HSRTSBETA	+	HCG4	+	MELK	+	H2AFX	-	MCC2
HSU79274	+	HIBCH	+	MEOX2	+	H41	-	MCFL2L
ICK	+	HIST1H4C	+	MEST	+	HERC3	-	MGC57820
ID1	+	HMG82	+	MID1	+	HIST1H4C	-	MGMT
IL7	+	HOMER1	+	MIZ1	+	HMG82	-	MME
INADL	+	H-pk	+	MRC1L3	+	HMMR	-	MN7
INSIG2	+	HSPCB	+	MRPS6	+	HOMER2	-	NOTCH3
KHDPRBS3	+	HSU1552	+	MTAP	+	HPGD	-	NR2C1
KIAA0186	+	HSU79274	+	NKTR	+	ID1	-	NRIP1
KIAA0669	+	ICK	+	NMI	+	I2D	-	NUCB2
KIAA0888	+	ID1	+	NPD014	+	I3D	-	OGT
KIAA0924	+	INADL	+	NGO1	+	IGF1R	-	OSR2
KIF2C	+	KATNA1	+	NR3C1	+	IGFBP2	-	PARG1
KNTC2	+	KIAA0179	+	NUP153	+	IGFBP3	-	PCCA
KPNB42	+	KIAA0186	+	PAQR3	+	IQGAP2	-	PHYH
KPNB83	+	KIAA0669	+	PCNA	+	KATNA1	-	PIK3R3
KRAS52	+	KIAA0711	+	PEG10	+	KIAA101	-	PITX1
LAMA3	+	KIAA0794	+	PGM1	+	KIAA106	-	PKD2
LARP	+	KIAA0888	+	PHKB	+	KIAA0924	-	PKIG
LIM	+	KIAA0924	+	PIK3CA	+	KIAA0953	-	PLA2G2A
LMO4	+	KIAA0971	+	PLA2G4A	+	KIAA1102	-	PLCB4
LOC120526	+	KIF2C	+	PPBP	+	KIF2C	-	PLK2
LOC171220	+	KIF3A	+	PRKCI	+	KLK2	-	PRKCM
LOC200895	+	KNTC2	+	PTTG1	+	KLK3	-	PTPN13
LOC54103	+	KPNB42	+	PVRL3	+	KNTC2	-	PTPRR
LOC81691	+	KRAS2	+	PYGL	+	KPNB42	-	RAB2L
LOC90355	+	LARP	+	RAD51C	+	KRT19	-	RAI17
LONG	+	LM04	+	RAD51L3	+	LAMC1	-	RAMP1
LPP	+	LOC200895	+	RBBP6	+	LDHA	-	RICS
LRRKIP1	+	LOC81691	+	RBBP8	+	LILRB1	-	RIN2
MAD2L1	+	LPP	+	RFC3	+	LM	-	RLN2
MAP4	+	LPXN	+	RLN1	+	LOC120526	-	RNF144
MDK	+	LRP8	+	RLN2	+	LOC200895	-	SDC2
ME1	+	LRRKIP1	+	RNF6	+	LOC221810	-	SDC4
MELK	+	MAD2L1	+	RPS6KA3	+	LOC81691	-	SFRS6
MEOX2	+	MAP4	+	RRI1	+	MAP2K5	-	SI
MEST	+	MARCKS	+	SEC31L1	+	MAP3K5	-	SLC12A2
MID1	+	MDK	+	SF1	+	MAP4	-	SLC12A5
MIZ1	+	ME1	+	SFRS2	+	MAPK6	-	SLC1A1
MRC1L3	+	MELK	+	SLAC2-B	+	MALT1	-	SLC25A4
MRPS6	+	MEST	+	SLC16A4	+	MAP2	-	SLC39A8
MTAP	+	MIZ1	+	SLC26A2	+	MAP2K5	-	SLC44A
NFAT5	+	MRC1L3	+	SLC47	+	MAP3K5	-	SM45
NKTR	+	MRE11A	+	SM4A	+	MAP7	-	SMARCD3
NMI	+	MRPS6	+	SMCAL1	+	MAPK6	-	SORL1
NPC1	+	MTAP	+	SNTB2	+	MARCKS	-	SSBP2
NPD014	+	MTERF	+	SPAG5	+	MAZ	-	ST7
NOGO1	+	NBEA	+	SGSTM1	+	MEIS1	-	SULT1A1
NUP153	+	NFAT5	+	SS18	+	MELK	-	TFPI
PAICS	+	NKTR	+	SSA2	+	MGC34648	-	THBS2
PAQR3	+	NMI	+	ST18	+	MTAP	-	TM4SF8
PGM1	+	NPC1	+	STAT3	+	MYBL2	-	TNP2
PHACTR4	+	NPD014	+	STAT8	+	NBEA	-	TCR9
PHACTR4	+	NPTX2	+	TAF1A	+	NDN	-	TOB1
PHKB	+	NUP153	+	TEB4	+	NDRG1	-	TSPY1
PIK3CA	+	NUP153	+	TBL4	+	NFKB1A	-	TUBA3
PORRMIN	+	NUP155	+	THRAP1	+	NUP155	-	UGT2B17
PRKCI	+	PACRG	+	TK1	+	NKTR	-	USP52
PRMT3	+	PAICS	+	TMSNB	+	NKX3-1	-	UTX
PVRL3	+	PAK3	+	TOP2A	+	NMI	-	VEGF
PYGL	+	PAQR3	+	TPX2	+	NMU	-	WNT5A
RA051C	+	PGM1	+	TRIM2	+	NPC1	-	XBP1
RAPGEF2	+	PHKB	+	TUBB	+	NPD014	-	ZNF294
RB1CC1	+	PIK3CA	+	TUSC3	+	NUP153	-	
RBBP6	+	PLA2G4A	+	TXNL4	+	NUP155	-	
RB8P8	+	PLK2	+	TYMS	+	OSBPL8	-	
RCN1	+	POLE3	+	UBL3	+	PAQR3	-	
RHOBTB3	+	POLR1C	+	UGT1A10	+	PCNA	-	
RLN2	+	PRIM2A	+	UGT2B28	+	PEG3	-	
RNAF6	+	PRMT3	+	V65Q	+	PLA2G7	-	
RPRGRIP1	+	PRSS7	+	VIM	+	POLE3	-	
RPS6KA5	+	PVRL3	+	WSB2	+	PPAP2A	-	
RRM1	+	PYGL	+	ZNF217	+	PPP1R3C	-	

	tepper et al THE PROSTATE 2005							
	G24S	R248W	R273H	P151S	G24S	R248W	R273H	P151S
SC4MOL	+	RAD17	+	ZNF238	+	PRSS7	+	
SEC31L1	+	RAD51C	+	ZNF273	+	PTGFR	+	
SHOC2	+	RALBP1	+	ZNF294	+	PTPLB	+	
SLAC2-B	+	RAPGEF2	+	ZNF415	+	PTTG1	+	
SLC16A4	+	RBBP6	+	ZNF44	+	RAB27A	+	
SLC25A16	+	RBBP8	+	ZWINT	+	RFC3	+	
SLC26A2	+	RHOBTB3	+			RIF1	+	
SLC31A1	+	RLN2	+			RPGRIPI1	+	
SLC4A7	+	RNF6	+			RPS6KA3	+	
SMA4	+	RPGRIPI1	+			RRM1	+	
SNTB2	+	RPP14	+			RRM2	+	
SOX9	+	RPP40	+			S100P	+	
SOLE	+	RPS6KA3	+			SAT	+	
SOSTM1	+	RPS6KA5	+			SCD	+	
SRP72	+	RRM1	+			SEC31L1	+	
SS18	+	SAT	+			SEPP1	+	
SSA2	+	SC4MOL	+			SERpine2	+	
STAT3	+	SEC31L1	+			SF1	+	
STATH	+	SFRS2	+			SH2D1A	+	
STC2	+	SLAC2-B	+			SLBP	+	
STCH	+	SLC16A4	+			SLC16A6	+	
TADA2L	+	SLC26A2	+			SLC26A2	+	
TAF1A	+	SLC4A7	+			SLC4A7	+	
TAX1BP1	+	SMA4	+			SLP1	+	
TEB4	+	SMAD5	+			SMAD5	+	
THRAP1	+	SMN1	+			SMC4L1	+	
TM4SF3	+	SPAG5	+			SMG1	+	
TMPO	+	SQSTM1	+			SMS	+	
TUBB	+	SS18	+			SNAI2	+	
TUSC3	+	SSA2	+			SNRP1	+	
TXNIP	+	ST18	+			SNTB2	+	
TXNL4	+	STAT3	+			SORD	+	
UBL3	+	STATH	+			SPAG5	+	
UGT1A10	+	TAF1A	+			SPARCL1	+	
UGT2B28	+	TAF4B	+			Sp25	+	
UGT2B7	+	TAX1BP1	+			SSR1	+	
VGSO	+	TBLP1	+			SSX2	+	
VIM	+	TEB4	+			SSX3	+	
WDR21	+	TFDP2	+			SSX5	+	
ZNF165	+	THRAP1	+			STK17B	+	
ZNF217	+	TIPARP	+			STK39	+	
ZNF238	+	TLE1	+			STR413	+	
ZNF273	+	TNP01	+			TACC1	+	
ZNF294	+	TOX	+			TAF1A	+	
ZNF415	+	TRAP1	+			TCP1	+	
ZNF44	+	TUBA1	+			TEB4	+	
ZNF91	+	TUBA3	+			TM4SF1	+	
		TUBB	+			TNFAIP8	+	
		TUBB2	+			TNP01	+	
		TUSC3	+			TPX2	+	
		TXNL4	+			TRGV9	+	
		USP14	+			TUBB2	+	
		VGSO	+			TYMS	+	
		VIM	+			UAP1	+	
		WDR21	+			UBE2E1	+	
		WSB2	+			UGDH	+	
		YWHAZ	+			UGT1A10	+	
		ZNF217	+			UGT2B28	+	
		ZNF238	+			UGT2B4	+	
		ZNF273	+			UGT2B7	+	
		ZNF415	+			VPS13A	+	
		ZNF44	+			WDR21	+	
		ZNF85	+			WTAP	+	
			+			ZNF44	+	
			+			ZRF1	+	
			+	ZWINT	+		+	

junk et al 2008 Neoplasia 2008											
R175H	R273H	R280K	R249S	R175H	R273H	R280K	R249S	R175H	R273H	R280K	R249S
ABLIM1	+	ABLIM1	+	AB12	+	ABLIM1	+	ABAT	-	ABAT	-
AGR2	+	ACAA2	+	ABLIM1	+	ADAM15	+	ABCA12	-	ABC12	-
AKAP12	+	ACADVL	+	ACAA2	+	ADSSL1	+	ABC1G1	-	ABC1G1	-
AKT2	+	ACT2A	+	ADA	+	AGR2	+	ABHD4	-	ABHD4	-
ALDH1A3	+	ADAM23	+	ADAM15	+	AGT	+	ABHD6	-	ABHD6	-
ALDH3A1	+	ADD3	+	ADAM21	+	AGTRAP	+	ABTB2	-	ABTB2	-
ANKR05	+	AGPAT3	+	ADCY7	+	AKR1C1	+	AGRIN	-	AHS2	-
ANKR09	+	AHCY	+	ADD3	+	AKR1C2	+	AHS2	-	AKR1B10	-
APS	+	AKAP12	+	ADNP	+	AKT2	+	AK1	-	ALDHA1	-
APQ3	+	AKT2	+	AGPAT3	+	ALDH1A3	+	AKR1B10	-	AMACR	-
ARF4L	+	ALDH1A3	+	AGR2	+	ALDH1A3	+	ALDH1A1	-	ALDHT1	-
ARHGEF16	+	ALOXE3	+	AGRIN	+	ALDH1B1	+	AMACR	-	ANK1	-
ARHGEF4	+	ANK2	+	AHCY	+	ANKMY1	+	AMID	-	AP2E	-
ARID3B	+	APM2	+	AHCYL1	+	APM2	+	ANK1	-	APAF1	-
ATF3	+	APS	+	AKT2	+	APS	+	AP2E	-	APG-1	-
ATP9A	+	ARHgap8	+	ALDH1A3	+	ARHGEF16	+	APAF1	-	APOBEC3C	-
BC008967	+	ARI03B	+	ALDH3A1	+	ARI03B	+	APG-1	-	APXL	-
BCAN	+	ASB13	+	ALOXE3	+	ARRDC4	+	APOBEC3C	-	ARH	-
BCOR	+	ATF3	+	AMELX	+	ARTN	+	APXL	-	ARHD	-
BIN3	+	ATF5	+	ANG_2h01	+	ASB13	+	ARH	-	ARHgap6	-
BMP2	+	BACE2	+	ANKRD3	+	ASS	+	ARHD	-	ARHgap6	-
BMP6	+	BAGE	+	ANKRD5	+	ATF3	+	ARHgap6	-	ASPA	-
BRF1	+	BAT8	+	APM2	+	ATP11A	+	ARHGEF3	-	ATP11B	-
C10orf27	+	B008967	+	APS	+	B3gat3	+	ASPA	-	BCL11B	-
C14orf116	+	BMP6	+	ARI03B	+	BACE	+	ATP11B	-	BDKR1B	-
C14orf118	+	BRUNOL6	+	ARI02	+	BBX	+	BCL11B	-	BDNF	-
C14orf128	+	BTBD9	+	ARRDC4	+	BCAN	+	BDKRB1	-	BDNF	-
C14orf160	+	C11orf9	+	ASAHL	+	BCL11A	+	BDNF	-	BT3f3L3	-
C20orf11	+	C10r16	+	ASB13	+	BCL7A	+	BLNK	-	BTG2	-
C21orf63	+	C10r124	+	ASS	+	BENE	+	BTFS3L3	-	C16orf5	-
C6orf4	+	C20orf35	+	ATF3	+	BGN	+	BTG2	-	C20orf142	-
CA2	+	C21orf63	+	ATF6	+	BMP6	+	C16orf5	-	C2orf18	-
CA9	+	C6orf4	+	ATP11A	+	C1orf2	+	C20orf142	-	C4A	-
CAMP	+	C9orf26	+	ATP5S	+	C20orf81	+	C2orf3	-	C5orf4	-
CAMTA2	+	CA2	+	B3galT3	+	C2orf2	+	C4A	-	C6orf110	-
CD14	+	C9	+	B3gat3	+	C2orf63	+	C5orf4	-	C6orf204	-
CD24	+	CARD12	+	BACE2	+	C6orf31	+	C6orf110	-	C6orf204	-
CDC25A	+	CASP14	+	B008967	+	C6orf4	+	C6orf204	-	C7orf10	-
CDH1	+	C14	+	BCAN	+	C6orf85	+	C7orf10	-	C9orf100	-
CHN2	+	C5d8	+	BCL9L	+	C11	+	C7orf10	-	C9orf88	-
CKMT1	+	CDC42EP5	+	BCR	+	C20orf1142	-	C7orf10	-	C9orf98	-
CLCN5	+	Cdkl3	+	BF	+	C20orf1142	-	C7orf10	-	CABC1	-
CLDN1	+	CEECAM1	+	BHC80	+	C4A	+	C7orf10	-	CABC1	-
CLMN	+	CELSR3	+	BIN3	+	CD44	+	CABYR	-	CABC1	-
CPT1A	+	CG018	+	BMP6	+	CD58	+	CACNA2D2	-	CACNA2D2	-
CPVL	+	CHD3	+	BTNG3	+	CD25B	+	CALML3	-	CALML3	-
CRF	+	CLMN	+	C10r16	+	CDH1	+	CAPN1	-	CAPN1	-
CTS5	+	CNOT6L	+	C10r12	+	CDKL3	+	CASP6	-	CASP6	-
CYP1A1	+	CNTN3	+	C20orf11	+	CT1Z	+	CBFA2T3	-	CBFA2T3	-
DDR1	+	CPT1B	+	C20orf20	+	CLIC3	+	CCNA1	-	CCNA1	-
DHR59	+	CPVL	+	C20orf23	+	CLMN	+	CCT6B	-	CCT6B	-
DMD	+	CRELD1	+	C20orf31	+	CMIP	+	CD0A8	-	CDH10	-
E2F5	+	CTSF	+	C20orf35	+	CPT1B	+	CDH10	-	CDH10	-
EDIL3	+	DAP4	+	C20orf81	+	CSNK1D	+	CDKN1C	-	CDKN1C	-
EEF1A2	+	DPB	+	C21orf106	+	CSNK1E	+	CEACAM1	-	CEACAM1	-
EOMES	+	DCAMKL1	+	C21orf63	+	CTSD	+	CENTD2	-	CENTD2	-
ERBB2IP	+	DGAT2	+	C21orf80	+	CTSF	+	CES2	-	CES2	-
ERBB3	+	DHS9	+	C6orf31	+	CES2	+	CFP98	-	CFP98	-
EVER1	+	DIAFP2	+	C6orf41	+	CYP1A1	+	CLCA2	-	CLCA2	-
FGR2	+	DISC1	+	C9orf26	+	CYP2A11	+	CLDA19	-	CLDN19	-
FLJ11017	+	D79p11.1	+	CA11	+	DCAMKL1	+	CNNM4	-	CNNM4	-
FLJ13725	+	DLL3	+	CA12	+	DHS9	+	COL18A1	-	COL18A1	-
FLJ20433	+	DLX2	+	CA2	+	DISC1	+	COL2A1	-	COL2A1	-
FLJ22056	+	DOK4	+	CA9	+	DKF2z434K0410	+	CPE	-	CPE	-
FLJ31295	+	DPP7	+	CAMK4	+	DKF2z451M2119	+	CRYAB	-	CRYAB	-
FLJ44652	+	DTNA	+	CASKIN2	+	DKF2z564O4222	+	CSNK1G1	-	CSNK1G1	-
FLJ8005	+	DUSP16	+	CASP4	+	DLX2	+	CSPG2	-	CSPG2	-
FLRT3	+	E2-230K	+	CD14	+	DNAH5	+	CST1	-	CST1	-
FOS	+	E2F5	+	CD97	+	DOCK6	+	CST11	-	CST11	-
FOXA1	+	ECM1	+	CDC42EP5	+	DOT1L	+	CTSH	-	CTSH	-
FOXG1B	+	EFNB3	+	CDH1	+	DPF7	+	CYFIP2	-	CYFIP2	-
FST	+	ELAVL1	+	CDKL1	+	DSPI1	+	CYLC1	-	CYLC1	-
ZD3	+	ENAH	+	CDKL3	+	DTNA	+	CYP2C9	-	CYP2C9	-
GLDC	+	EVC	+	CDW52	+	DUSP7	+	CYP2S1	-	CYP2S1	-
GPR153	+	EVER1	+	CELSR2	+	DYRK1A	+	D4S234E	-	D4S234E	-
GPR27	+	FLJ10842	+	CELSR3	+	E2F5	+	DC-TM4F2	-	DC-TM4F2	-
GPR54	+	FLJ12681	+	CIZ1	+	EDIL3	+	DBB2	-	DBB2	-
GRB7	+	FLJ13710	+	CLCN5	+	ENPP2	+	DGKZ	-	DHRS2	-
H1F0	+	FLJ20972	+	CLIC3	+	EPHB6	+	DHRS2	-	DHRS3	-

junk et al 2008 Neoplasia 2008													
R175H	R273H	R280K	R249S	R175H	R273H	R280K	R249S						
HAS3	+	FLJ22170	+	CLMN	+	EVC	+	DHRS3	-	DISP1	-	DISP1	-
HBA2	+	FLJ22624	+	CLU	+	EVER1	+	DISP1	-	DKFZP434B044	-	DKFZP434B044	-
HHEX	+	FLJ22955	+	CNOT6L	+	FANCA	+	DKFZp434B044	-	DKFZp434L142	-	DKFZp434L142	-
HLB9	+	FLJ36032	+	CORO1C	+	FBN2	+	DKFZp434L142	-	DKFZp686L1814	-	DKFZp686L1814	-
HMG1A	+	FLJ40452	+	CPEB3	+	FBXO13	+	DKFZp434L142	-	DKFZp762I137	-	DKFZp762I137	-
HOMER2	+	FRAS1	+	CPT1B	+	FGD1	+	DKFZp686L1814	-	DKFZp762K222	-	DKFZp762K222	-
HR	+	FT1H	+	CPVL	+	FGFR1L	+	DKFZp762I137	-	DKK2	-	DKK2	-
HRH4	+	FZD3	+	CREB5	+	FLJ10661	+	DKFZp762K222	-	DMRT1C	-	DMRT1C	-
ID3	+	GAS2	+	CRELD1	+	FLJ12985	+	DKK2	-	DPYSL4	-	DPYSL4	-
IFI30	+	GEM	+	CSNK1E	+	FLJ22056	+	DMRT1C	-	DSG3	-	DSG3	-
IL1F7	+	GG2A	+	CTL2	+	FLJ31031	+	DPYSL4	-	DUOX1	-	DUOX1	-
IL1RL1	+	GKAP42	+	CTSF	+	FLJ32743	+	DSG3	-	DUSP13	-	DUSP13	-
INHA	+	GMIP	+	CXL2L	+	FLJ34064	+	DUSP13	-	EDAR	-	EDAR	-
INPLP1	+	GNG4	+	CXXK5	+	FLJ36032	+	EDAR	-	EDNRB	-	EDNRB	-
INSR	+	H6PD	+	DAPP1	+	FLJ37927	+	EDNRB	-	EGR2	-	EGR2	-
IRF6	+	HAS3	+	DPB	+	FLJ41410	+	EGR2	-	EKI1	-	EKI1	-
ITGB4	+	HBA2	+	DC6	+	FLJ90036	+	EKI1	-	ENC1	-	ENC1	-
ITPR3	+	HHL	+	DDR1	+	FNBP4	+	ENC1	-	EPB49	-	EPB49	-
JAG2	+	HLXB9	+	DGAT2	+	FOS	+	EPB49	-	EPHB4	-	EPHB4	-
JMJD2B	+	HOMER2	+	DHRS9	+	FOGL2	+	EPB49	-	EPYK1	-	EPYK1	-
JUP	+	HSPG2	+	DKFZp434C0328	+	FT1H	+	EPYK1	-	ETV7	-	ETV7	-
KCNJ2	+	HYAL3	+	DKFZp434G156	+	FYN	+	ETV7	-	EVA1	-	EVA1	-
KIAA0220	+	ICAM1	+	DKFZp434K0410	+	GAS2	+	EVA1	-	F2RL2	-	F2RL2	-
KIAA0515	+	ID1	+	DKFZp564D0666	+	GEM	+	F2RL2	-	FAM13C1	-	FAM13C1	-
KIAA0599	+	ID3	+	DKFZp761A052	+	GMIP	+	FAM13C1	-	FBX02	-	FBX02	-
KIAA0759	+	IFNGR1	+	DKFZp761D112	+	GOLGA1	+	FBX02	-	FBX022	-	FBX022	-
KIAA0947	+	IL12A	+	DNAH5	+	GPC1	+	FBX02	-	FGF1	-	FGF1	-
KIAA1622	+	IL13RA2	+	DREV1	+	GPR153	+	FGF1	-	FGFR3	-	FGFR3	-
KIAA1944	+	IL1A	+	DUSP1	+	GPR54	+	FGK544	-	FKSG44	-	FKSG44	-
KLF16	+	IL1B	+	DUSP16	+	GRB7	+	FLJ11127	-	FLJ11127	-	FLJ11127	-
KLHL13	+	IL1RL1	+	E2-230K	+	H1FX	+	FLJ11155	-	FLJ11155	-	FLJ11155	-
KRT15	+	INPP1	+	E2F5	+	HAS3	+	FLJ14311	-	FLJ14311	-	FLJ14311	-
KRT16	+	JUNB	+	ECM1	+	HBA2	+	FLJ14464	-	FLJ14464	-	FLJ14464	-
KRT6B	+	KIAA0076	+	EFEMP2	+	HHEX	+	FLJ14904	-	FLJ14904	-	FLJ14904	-
KRTHB1	+	KIAA0089	+	EFNA1	+	HHL	+	FLJ20152	-	FLJ20152	-	FLJ20152	-
KYNU	+	KIAA0404	+	EGR1	+	HMGAA1	+	FLJ20202	-	FLJ20202	-	FLJ20202	-
LAD1	+	KIAA0515	+	ELAVL1	+	HMGAA14	+	FLJ22795	-	FLJ22795	-	FLJ22795	-
LAMA3	+	KIAA0657	+	ELK1	+	HMTM1L3	+	FLJ23471	-	FLJ23471	-	FLJ23471	-
LHX1	+	KIAA0759	+	ELL3	+	HSPG2	+	FLJ30532	-	FLJ30532	-	FLJ30532	-
LISCH7	+	KIAA1043	+	ENAH	+	HYAL3	+	FLJ31413	-	FLJ31413	-	FLJ31413	-
LLGL2	+	KIAA1102	+	EP400	+	ID3	+	FLJ32065	-	FLJ32065	-	FLJ32065	-
LOC126353	+	KIAA1533	+	EPAG	+	IGFBP3	+	FLJ32954	-	FLJ32954	-	FLJ32954	-
LOC142606	+	KIAA2018	+	EPAS1	+	IL18	+	FLJ36335	-	FLJ36335	-	FLJ36335	-
LOC255022	+	KIF13B	+	EPB41	+	IL1RL1	+	FLJ38725	-	FLJ38725	-	FLJ38725	-
LOC58489	+	KLF16	+	EPB41L	+	IMP-2	+	FLJ40773	-	FLJ40773	-	FLJ40773	-
LRRK1	+	KLHL13	+	EPHB2	+	INHBA	+	FLJ90022	-	FLJ90165	-	FLJ90165	-
LU	+	KLK2	+	EVER1	+	INPP1	+	FLJ90165	-	FLJ90492	-	FLJ90492	-
LYN	+	KRT16	+	FBN2	+	INSR	+	FLJ90492	-	FLNC	-	FLNC	-
LZTS1	+	KRTTHA4	+	FBXO9	+	ITGB4	+	FLNC	-	FMN	-	FMN	-
MAL2	+	LDCC1	+	PKB11	+	ITPR3	+	FMN	-	FMN	-	FMN	-
MAP2K5	+	LEPREL2	+	FLJ10661	+	JMD2B	+	FREQ	-	FXYD2	-	FXYD2	-
MAP7	+	LGPI	+	FLJ10948	+	JPH2	+	G1P2	-	G1P2	-	G1P2	-
MAZ	+	LIF	+	FLJ12525	+	JUNB	+	G1P2	-	GAD1	-	GAD1	-
MBP	+	LOC147004	+	FLJ13710	+	JUP	+	GAA	-	GALE	-	GALE	-
MEF2D	+	LOC150763	+	FLJ13725	+	KIAA0076	+	GAD1	-	GAMT	-	GAMT	-
MGC18207	+	LOC201164	+	FLJ13815	+	KIAA0146	+	GALE	-	GATA3	-	GATA3	-
MGC5556	+	LOC253982	+	FLJ20160	+	KIAA0195	+	GAMT	-	GCH1	-	GCH1	-
MIRAB13	+	LOC283922	+	FLJ20366	+	KIAA0251	+	GATA3	-	GDP1L1	-	GDP1L1	-
MMP28	+	LOC83690	+	FLJ20920	+	KIAA0483	+	GCH1	-	GDF15	-	GDF15	-
MTA1	+	LOC92799	+	FLJ21125	+	KIAA0515	+	GDP1L1	-	GDF9	-	GDF9	-
MYO5B	+	LPHN2	+	FLJ22056	+	KIAA0841	+	GDF15	-	GGT1	-	GGT1	-
NETO1	+	LRP16	+	FLJ22557	+	KIAA1001	+	GDF9	-	GH2	-	GH2	-
NFKBIA	+	LRRK1	+	FLJ22624	+	KIAA2018	+	GGT1	-	GHR	-	GHR	-
NMT2	+	LTB	+	FLJ23563	+	KIF13B	+	GH2	-	GJC1	-	GJC1	-
OFD1	+	LY6E	+	FLJ23751	+	KLF16	+	GHR	-	GLS	-	GLS	-
OFGF	+	LY6G5B	+	FLJ41410	+	KRT16	+	GLC1	-	GM2A	-	GM2A	-
ORAOV2	+	LYN	+	FOSB	+	KRTB6B	+	GLS	-	GNAA11	-	GNAA11	-
P2RX5	+	MAN2A2	+	FTH1	+	LEPR	+	GLS2	-	GRB1	-	GRB1	-
P2RY2	+	MAP2K5	+	FUT1	+	LGP1	+	GM2A	-	GRB1	-	GRB1	-
PARD6B	+	MAPKAPK2	+	FZD3	+	LOC16228	+	GNAA11	-	GRB1	-	GRB1	-
PAWR	+	MAZ	+	GALNT6	+	LOC146206	+	GNAA14	-	GPC1	-	GPC1	-
PCBP2	+	MEF2D	+	GCA	+	LOC201164	+	GNB2	-	GPR155	-	GPR155	-
PDE2A	+	MFEF8	+	GDF11	+	LPHN2	+	GPC1	-	GPR16	-	GPR16	-
PDE3B	+	MGC10993	+	GKA42	+	LHP16	+	GPR155	-	GPR56	-	GPR56	-
PDK4	+	MGC15419	+	GMIP	+	LTBP4	+	GPR16	-	GPR87	-	GPR87	-
P13	+	MGC15429	+	GPR153	+	LY6G5B	+	GPR87	-	GREB1	-	GREB1	-
PKB1	+	MGC34695	+	GSTM4	+	LY6H	+	GREB1	-	GRN	-	GRN	-
PLAU	+	MGC35097	+	GTPBP1	+	MAL2	+	GRN	-	GTPBP2	-	GTPBP2	-
PLEKH1H	+	MGC35521	+	H1F0	+	MAOA	+	GTPBP2	-	H19	-	H19	-
PPL	+	MNN	+	H1FX	+	MAZ	+	H19	-	HAGH	-	HAGH	-
PPP1R3E	+	MLF1	+	HB2A2	+	MEF2D	+	HAGH	-	HES2	-	HAGH	-

R175H	R273H	R280K	R249S	R175H	R273H	R280K	R249S
PRDM15	+	MMP24	+	HCLS1	+	MFGE8	+
PTPRR	+	MMP28	+	HHL	+	MGC15419	+
PYGB	+	MPEG1	+	HIST1H3F	+	MGC15429	+
RAB40C	+	MDX4	+	HKR1	+	MGC16207	+
RAI3	+	MX11	+	HLA-DOB	+	MGC2650	+
RASSF5	+	MYO5B	+	HLX89	+	MGC26994	+
REC14	+	NBEA	+	HMGAA1L4	+	MGC29814	+
RENT1	+	NFKB2	+	HPCAL4	+	MGC3121	+
RHOBTB2	+	NFKBIA	+	HS4961	+	MGC40157	+
RNF39	+	NO98	+	HSPC065	+	MGC47869	+
RNF44	+	NRIP3	+	HSPC163	+	MINK	+
RRAGC	+	OGFR	+	HSPG2	+	MKNK2	+
S100A14	+	OLIG1	+	HYAL3	+	MMP28	+
SATB2	+	P2RX4	+	ID1	+	MMRN2	+
SCAPIN1	+	PCBD	+	ID3	+	ID2	+
SEC15L1	+	PCDHBT7	+	IFITM3	+	ID3	+
SELO	+	PDE5B	+	IL1B	+	IFITM1	+
SERPINB2	+	PER1	+	IL22RA1	+	MRPL39	+
SF3A2	+	PI3	+	IL27RA	+	MXD4	+
SF3A2	+	PLD1	+	IL6R	+	NP220	+
SGP2	+	PLEKHH1	+	IL8	+	OIP106	+
SIPA1	+	PML	+	IMP2A	+	NPBP1	+
SIRPB1	+	PM2L2	+	INADL	+	NFKBIA	+
SIRT6	+	POLM	+	INPP1	+	NOD9	+
SLAC2-B	+	PPIL6	+	ITM2C	+	NP220	+
SLC12A8	+	PRKG1	+	JM15	+	K5B	+
SLC29A2	+	ProSAP1P1	+	JM15	+	KCNB1	+
SLC6A8	+	PRSS11	+	JM5	+	KCNB4	+
SLC7A3	+	PRSS8	+	JMY	+	KCNB4	+
SLC7A8	+	PSK-1	+	JLN8	+	KCNB12	+
SLC04A1	+	PTPN1	+	JUP	+	KARD6B	+
SLPI	+	RENT1	+	KIAA0076	+	KIFB6	+
SMTN	+	RNG	+	KIAA0089	+	KIF10	+
SP6	+	RHOBTB2	+	KIAA0146	+	KIF11	+
SPINT1	+	RNASET2	+	KIAA0195	+	KIF11	+
SPRR1B	+	RNF110	+	KIAA0368	+	KIF11	+
STAC	+	RNF44	+	KIAA0404	+	KIF12B	+
TCRB	+	SAH	+	KIAA0515	+	KIF13B	+
TCRBV13S1	+	SALL2	+	KIAA0738	+	KIF14	+
TEO	+	SARM1	+	KIAA1001	+	KIF15	+
TFAP2A	+	SELO	+	KIAA1546	+	KIF16	+
TFAP2C	+	SERPINB1	+	KIAA1549	+	KIF17	+
TGFA	+	SERPINB3	+	KIAA1622	+	KIF18	+
TIAF1	+	SETDB2	+	KIAA1958	+	KIF19	+
TIEG2	+	SF3A2	+	KIF13B	+	KIF20A	+
TLN2	+	SGPP2	+	KLF16	+	KIF20A	+
TLR4	+	SGSH	+	KLRF1	+	KIF21A	+
TNFRSF19	+	SH3BGRIL2	+	KREMEN1	+	KIF21B	+
TNN2	+	SIA14B	+	KRT16	+	KIF22	+
TRIM29	+	SLC10A3	+	KRT16	+	KIF23	+
UGT1A10	+	SLC1A1	+	LAMA5	+	KIF24	+
UPLC1	+	SLC43A3	+	LGP1	+	KIF25	+
URKL1	+	SLC7A8	+	LIF	+	KIF26B	+
VAPB	+	SLCO4A1	+	LIFR	+	KIF27	+
ZNF499	+	SMP3	+	LOC144481	+	KIF28	+
ZNF546	+	SMTN	+	LOC151194	+	KIF29	+
ZNF579	+	SOD2	+	LOC203806	+	KIF30	+
ZNF580	+	SOX12	+	LOC259982	+	KIF31	+
SP3	+	LOC255022	+	S100A14	+	KIF32	+
SP6	+	LOC57146	+	SAH	+	KIF33	+
SPPL3	+	LOC61526	+	SARM1	+	KIF34	+
SRCPA	+	LPHN2	+	SELK	+	KIF35	+
STAP2	+	LRRK1	+	SELO	+	KIF36	+
SULT1C1	+	LTPB4	+	SEMA6D	+	KIF37	+
SVH	+	LY6E	+	SERPINB1	+	KIF38	+
TBC1D16	+	LY75	+	SF3A2	+	KIF39	+
TCEA2	+	LYN	+	SFRS1	+	KIF40	+
TFAP2A	+	MAL2	+	SGPP2	+	KIF41	+
TIEG2	+	MAN2A2	+	SIA7B	+	KIF42	+
TMIP2	+	MAN2C1	+	MAD1L1	+	KIF43	+
TNFSF13	+	MAOA	+	SLC29A2	+	KIF44	+
TNFSF7	+	MAP2	+	SLC6A10	+	KIF45	+
TNIP2	+	MAP2K5	+	SLC6A8	+	KIF46	+
TNK1	+	MAP4	+	SLC04A1	+	KIF47	+
TNP02	+	MAPKAPK2	+	SLP1	+	KIF48	+
TOP1MT	+	MAPRE3	+	SMTN	+	KIF49	+
TP53	+	MA2	+	SRGAP1	+	KIF50	+
TRAPPCC1	+	MDA5	+	SRR	+	KIF51	+
TREM1	+	MEF2D	+	STA2	+	KIF52	+
TRIM29	+	MFGE8	+	STS	+	KIF53	+
TRIM50C	+	MGC10946	+	SUFU	+	KIF54	+
				MGC29463	+	KIF55	+
				MGC29463	+	KIF56	+
				MGC29463	+	KIF57	+
				MGC29463	+	KIF58	+
				MGC29463	+	KIF59	+
				MGC29463	+	KIF60	+
				MGC29463	+	KIF61	+
				MGC29463	+	KIF62	+
				MGC29463	+	KIF63	+
				MGC29463	+	KIF64	+
				MGC29463	+	KIF65	+
				MGC29463	+	KIF66	+
				MGC29463	+	KIF67	+
				MGC29463	+	KIF68	+
				MGC29463	+	KIF69	+
				MGC29463	+	KIF70	+
				MGC29463	+	KIF71	+
				MGC29463	+	KIF72	+
				MGC29463	+	KIF73	+
				MGC29463	+	KIF74	+
				MGC29463	+	KIF75	+
				MGC29463	+	KIF76	+
				MGC29463	+	KIF77	+
				MGC29463	+	KIF78	+
				MGC29463	+	KIF79	+
				MGC29463	+	KIF80	+
				MGC29463	+	KIF81	+
				MGC29463	+	KIF82	+
				MGC29463	+	KIF83	+
				MGC29463	+	KIF84	+
				MGC29463	+	KIF85	+
				MGC29463	+	KIF86	+
				MGC29463	+	KIF87	+
				MGC29463	+	KIF88	+
				MGC29463	+	KIF89	+
				MGC29463	+	KIF90	+
				MGC29463	+	KIF91	+
				MGC29463	+	KIF92	+
				MGC29463	+	KIF93	+
				MGC29463	+	KIF94	+
				MGC29463	+	KIF95	+
				MGC29463	+	KIF96	+
				MGC29463	+	KIF97	+
				MGC29463	+	KIF98	+
				MGC29463	+	KIF99	+
				MGC29463	+	KIF100	+
				MGC29463	+	KIF101	+
				MGC29463	+	KIF102	+
				MGC29463	+	KIF103	+
				MGC29463	+	KIF104	+
				MGC29463	+	KIF105	+
				MGC29463	+	KIF106	+
				MGC29463	+	KIF107	+
				MGC29463	+	KIF108	+
				MGC29463	+	KIF109	+
				MGC29463	+	KIF110	+
				MGC29463	+	KIF111	+
				MGC29463	+	KIF112	+
				MGC29463	+	KIF113	+
				MGC29463	+	KIF114	+
				MGC29463	+	KIF115	+
				MGC29463	+	KIF116	+
				MGC29463	+	KIF117	+
				MGC29463	+	KIF118	+
				MGC29463	+	KIF119	+
				MGC29463	+	KIF120	+
				MGC29463	+	KIF121	+
				MGC29463	+	KIF122	+
				MGC29463	+	KIF123	+
				MGC29463	+	KIF124	+
				MGC29463	+	KIF125	+
				MGC29463	+	KIF126	+
				MGC29463	+	KIF127	+
				MGC29463	+	KIF128	+
				MGC29463	+	KIF129	+
				MGC29463	+	KIF130	+
				MGC29463	+	KIF131	+
				MGC29463	+	KIF132	+
				MGC29463	+	KIF133	+
				MGC29463	+	KIF134	+
				MGC29463	+	KIF135	+
				MGC29463	+	KIF136	+
				MGC29463	+	KIF137	+
				MGC29463	+	KIF138	+
				MGC29463	+	KIF139	+
				MGC29463	+	KIF140	+
				MGC29463	+	KIF141	+
				MGC29463	+	KIF142	+
				MGC29463	+	KIF143	+
				MGC29463	+	KIF144	+
				MGC29463	+	KIF145	+
				MGC29463	+	KIF146	+
				MGC29463	+	KIF147	+
				MGC29463	+	KIF148	+
				MGC29463	+	KIF149	+
				MGC29463	+	KIF150	+
				MGC29463	+	KIF151	+
				MGC29463	+	KIF152	+
				MGC29463	+	KIF153	+
				MGC29463	+	KIF154	+
				MGC29463	+	KIF155	+
				MGC29463	+	KIF156	+
				MGC29463	+	KIF157	+
				MGC29463	+	KIF158	+
				MGC29463	+	KIF159	+
				MGC29463	+	KIF160	+
				MGC29463	+	KIF161	+
				MGC29463	+	KIF162	+
				MGC29463	+	KIF163	+
				MGC29463	+	KIF164	+
				MGC29463	+	KIF165	+
				MGC29463	+	KIF166	+
				MGC29463	+	KIF167	+
				MGC29463	+	KIF168	+
				MGC29463	+	KIF169	+
				MGC29463	+	KIF170	+
				MGC29463	+	KIF171	+
				MGC29463	+	KIF172	+
				MGC29463	+	KIF173	+
				MGC29463	+	KIF174	+
				MGC29463	+	KIF175	+
				MGC29463	+	KIF176	+

junk et al. 2008 Neoplasia 2008							
R175H	R273H	R280K	R249S	R175H	R273H	R280K	R249S
TRIM8	+	MGC011324	+	SULT1C1	+	MGC033894	-
TSRC1	+	MGC015416	+	SYT8	+	MGC05370	-
TXNIP	+	MGC015419	+	TARSH	+	MIR	-
UCN	+	MGC016207	+	TBC1D3	+	MLF2	-
UNC03B1	+	MGC02615	+	TETRAN	+	MFRAS	-
USF1	+	MGC026594	+	TFAP2A	+	MPLR44	-
VAMP2	+	MGC03121	+	TIAF1	+	MSX1	-
VAT1	+	MGC031963	+	TLE3	+	NEFL	-
VPS33B	+	MGC03326	+	TLN1	+	NHLH2	-
XYLT1	+	MGC07926	+	TNNI2	+	MYO6	-
ZDHHC23	+	MIDN	+	TREM1	+	NFKX3-1	-
ZNF499	+	MINK	+	TRIM29	+	MYO9B	-
ZNF579	+	MKNK2	+	TRIM8	+	NOTCH1	-
ZNF580	+	MLF1	+	TSPN-1	+	NOTCH3	-
MMP24	+	TSRC1	+	NFL	+	NEFL	-
MMP28	+	TXNIP	+	NIFU	+	NIFU	-
MOZ/CBP	+	UCN	+	NINJ1	+	OIP106	-
MPLR39	+	UPLC1	+	NKKX3-1	+	OTP	-
MSH5	+	USP2	+	P8	+	PCBP4	-
MXII	+	VAT1	+	PAD13	+	PAK6	-
MYLIP	+	WASF2	+	PAD18	+	PAK6	-
MYO5B	+	ZFP36	+	PAD4D	+	PAK6	-
NEK9	+	ZFP36L2	+	PALMD	+	PAK6	-
NFKB2	+	ZFP67	+	PALMD	+	PAK6	-
NFKBIA	+	ZNF145	+	PANX1	+	PAK6	-
NOD9	+	ZNF185	+	PANX1	+	PAK6	-
NP220	+	ZNF499	+	PARD6G	+	PAK6	-
NUCB1	+	ZNF505	+	PARD6G	+	PAK6	-
NYD-SP18	+	ZNF579	+	PARD6G	+	PAK6	-
P2RY1	+	ZNF6	+	PARD6G	+	PAK6	-
P2RY2	+	PCAF	+	PARD6G	+	PAK6	-
PARD6B	+	PCBP4	+	PARD6G	+	PAK6	-
PCBD	+	PCLO	+	PARD6G	+	PAK6	-
PCDH17	+	PDE3A	+	PARD6G	+	PAK6	-
PDE3B	+	PDE4C	+	PARD6G	+	PAK6	-
PDLIM4	+	PDE4D	+	PARD6G	+	PAK6	-
PER1	+	PERP	+	PARD6G	+	PAK6	-
PHLDB2	+	PERP	+	PARD6G	+	PAK6	-
PI3	+	PGF	+	PARD6G	+	PAK6	-
PKD1-like	+	PLAC8	+	PARD6G	+	PAK6	-
PLCD4	+	PLAT	+	PARD6G	+	PAK6	-
PLD1	+	PLEK	+	PARD6G	+	PAK6	-
PLKH1	+	PLXB3	+	PARD6G	+	PAK6	-
PLEKH1	+	PMAIP1	+	PARD6G	+	PAK6	-
PLS1	+	PODXL	+	PARD6G	+	PAK6	-
PLXNB2	+	POLH	+	PARD6G	+	PAK6	-
PML	+	POMZP3	+	PARD6G	+	PAK6	-
PRDM15	+	POU3F1	+	PARD6G	+	PAK6	-
PRKG1	+	PPMT1F	+	PARD6G	+	PAK6	-
PRKL1	+	PPP2R2B	+	PARD6G	+	PAK6	-
PRO1580	+	PPP2R2C	+	PARD6G	+	PAK6	-
PROCR	+	PRKX	+	PARD6G	+	PAK6	-
ProSAP1P1	+	PRKY	+	PARD6G	+	PAK6	-
PRSS7	+	PRODH	+	PARD6G	+	PAK6	-
PRSS8	+	PRRX1	+	PARD6G	+	PAK6	-
PSK-1	+	PSEN2	+	PARD6G	+	PAK6	-
PTPLA	+	PSTPIP2	+	PARD6G	+	PAK6	-
PTPN1	+	PTPN22	+	PARD6G	+	PAK6	-
PTPRF	+	PTPN22	+	PARD6G	+	PAK6	-
RAB18	+	PTPN22	+	PARD6G	+	PAK6	-
RAD51L1	+	RALGDS	+	PARD6G	+	PAK6	-
RAI3	+	Ralp	+	PARD6G	+	PAK6	-
RAPI1A	+	RASAL1	+	PARD6G	+	PAK6	-
RCE1	+	RASGEF1B	+	PARD6G	+	PAK6	-
REC14	+	RASSF6	+	PARD6G	+	PAK6	-
RENT1	+	RDIH10	+	PARD6G	+	PAK6	-
RERE	+	RET	+	PARD6G	+	PAK6	-
RIM52	+	retII	+	PARD6G	+	PAK6	-
RNF110	+	RGS12	+	PARD6G	+	PAK6	-
RNF125	+	RNASE7	+	PARD6G	+	PAK6	-
RNF44	+	RNF128	+	PARD6G	+	PAK6	-
RTNMR	+	RNF3	+	PARD6G	+	PAK6	-
SALL2	+	RNF3	+	PARD6G	+	PAK6	-
SAMS1	+	RPS6KA1	+	PARD6G	+	PAK6	-
SATB2	+	RPS6KA1	+	PARD6G	+	PAK6	-
SCAND2	+	RIM2B	+	PARD6G	+	PAK6	-
SCFD2	+	RTN1	+	PARD6G	+	PAK6	-
SCNN1A	+	SAA2	+	PARD6G	+	PAK6	-
SDC4	+	SCNN1G	+	PARD6G	+	PAK6	-
SELM	+	SEPP1	+	PARD6G	+	PAK6	-
SELO	+	SERPINB5	+	PARD6G	+	PAK6	-
SCLC2A13	+	SCLC2A13	+	PARD6G	+	PAK6	-
SCNCB3	+	SCLC2A8	+	PARD6G	+	PAK6	-
SCNCB3	+	SCLC3D1	+	PARD6G	+	PAK6	-
SCNCB3	+	SCLC5E4	+	PARD6G	+	PAK6	-
SESN1	+	SESN1	+	PARD6G	+	PAK6	-
SLC2A13	+	SLC2A13	+	PARD6G	+	PAK6	-
SLC2A8	+	SLC2A8	+	PARD6G	+	PAK6	-
SLC2A9	+	SLC2A9	+	PARD6G	+	PAK6	-

R175H	R273H	R280K	R249S	R175H	R273H	R280K	R249S
SEMA4D	+	SESN1	-	SLC9A3R1	-	SLC2A9	-
SERPINB2	+	SLC2A13	-	SLC02B1	-	SLC30A1	-
SERPINB3	+	SLC2A8	-	SOM	-	SLC35D1	-
SFRS1	+	SLC2A9	-	SORBS1	-	SLC35E4	-
SH3BGRL2	+	SLC35D1	-	SORL1	-	SLC4A11	-
SH3GLB2	+	SLC35E4	-	SPAG1	-	SLC9A1	-
SIAH1	+	SLC4A11	-	SPN	-	SLC9A3R1	-
SIAT7D	+	SLC9A1	-	SPRL2A	-	SLC02B1	-
SIPA1	+	SLC9A3R1	-	SSB1	-	SOM	-
SIRPB1	+	SLC02B1	-	STAR	-	SORBS1	-
SIRT6	+	SORBS1	-	STAR05	-	SORL1	-
SLA1LP	+	SORL1	-	STAT4	-	SPAG1	-
SLC16A4	+	SPAG1	-	SULF2	-	SPN	-
SLC23A1	+	SPN	-	SYK	-	SPRL2A	-
SLC27A3	+	SPRL2A	-	SYNCOILIN	-	SSB1	-
SLC29A2	+	SSB1	-	SYTL2	-	STAR	-
SLC39A14	+	STAR	-	TACC1	-	STAR05	-
SLC6A8	+	STAR05	-	TAF3	-	STAT4	-
SLC04A1	+	STAT4	-	TAGLN	-	SULF2	-
SLP1	+	SYNCOILIN	-	TAP1	-	SYK	-
SNTA1	+	SYTL2	-	TBXA2R	-	SYNCOILIN	-
SNX27	+	TACC1	-	TEAD3	-	SYTL2	-
SOD2	+	TAF3	-	TGFBR1	-	TACC1	-
SORD	+	TAGLN	-	TINP1	-	TAF3	-
SPATA2	+	TAP1	-	TLR3	-	TAGLN	-
SPINT2	+	TBXA2R	-	TM7SF1	-	TAP1	-
SRCAP	+	TEAD3	-	TM7SF3	-	TBXA2R	-
SRGAP1	+	TGFBR1	-	TMEM16D	-	TEAD3	-
SSH1	+	TINP1	-	TMG4	-	TGFBR1	-
ST6GALNAC6	+	TLR3	-	TNFRSF10B	-	TINP1	-
STAM2	+	TM7SF1	-	TNFRSF14	-	TLR3	-
STAP2	+	TM7SF3	-	TP53AP1	-	TM7SF1	-
STAR05	+	TMEM16D	-	TP53I11	-	TM7SF3	-
STAU2	+	TMG4	-	TP53I3	-	TMEM16D	-
STK38L	+	TNFRSF10B	-	TP53INP1	-	TMG4	-
STRBP	+	TNFRSF14	-	TP73	-	TNFRSF10B	-
STRN4	+	TP53	-	TRAF4	-	TNFRSF14	-
STS	+	TP53AP1	-	TREM2	-	TP53AP1	-
SUFU	+	TP53I11	-	TRIM11	-	TP53I11	-
SYNGR2	+	TP53I3	-	TRIM2	-	TP53I11	-
T2BP	+	TP53INP1	-	TRIM3	-	TP53INP1	-
TACSTD2	+	TP73	-	TRIM8	-	TP53INP1	-
TCEA2	+	TRAF4	-	TSGA10	-	TP73	-
TFAP2A	+	TREM2	-	TRAF4	-	TRAFA4	-
TFAP2C	+	TRIM11	-	TRIM2	-	TRIM2	-
THBD	+	TRIM2	-	VSNL1	-	TRIM11	-
TIMP2	+	TRIM22	-	WDR8	-	TRIM2	-
TLN1	+	TRIM3	-	WDR8	-	TRIM22	-
TM4SF1	+	TRIM8	-	WFC5	-	TRIM3	-
TM4SF2	+	TSGA10	-	WFC5	-	TRIM8	-
TM9SF4	+	ULBP2	-	WFC5	-	TRIM8	-
TNFRSF10A	+	VSNL1	-	WFC5	-	TSGA10	-
TNP02	+	ZNF236	-	WFC5	-	ULBP2	-
TOP1MT	+	ZNF385	-	WFC5	-	VSNL1	-
TPD62	+	ZNF441	-	WFC5	-	WDR8	-
TPD62	+	ZNF492	-	WIG1	-	WFC5	-
TREM1	+	WWP1	-	WIG1	-	WIG1	-
TRIM29	+	XLalphas	-	WWP1	-	WWP1	-
TRIM36	+	ZNF197	-	XLalphas	-	XLalphas	-
TSRC1	+	ZNF236	-	ZNF197	-	ZNF197	-
TTC7	+	ZNF385	-	ZNF236	-	ZNF236	-
TXND5	+	ZNF441	-	ZNF385	-	ZNF385	-
TXNIP	+	ZNF492	-	ZNF441	-	ZNF441	-
TYRO3	+	-	-	ZNF492	-	ZNF492	-
UBCE7IP5	+	-	-	-	-	-	-
UBE2D3	+	-	-	-	-	-	-
UCN	+	-	-	-	-	-	-
UNC93B1	+	-	-	-	-	-	-
UTS2	+	-	-	-	-	-	-
WDR5B	+	-	-	-	-	-	-
ZFP36	+	-	-	-	-	-	-
ZFP67	+	-	-	-	-	-	-
ZNF499	+	-	-	-	-	-	-
ZNF545	+	-	-	-	-	-	-
ZNF580	+	-	-	-	-	-	-

	scsan CANCER RES 2004 (a)			
	R75H	R273H	D281G	
GARS	5.248	5.248	5.248	+
TARS	3.691	3.691	3.691	+
YARS	2.713	2.713	2.713	+
NARS	2.880	2.880	2.880	+
ASNS	5.071	5.071	5.071	+
IMPDH2	5.036	5.036	5.036	+
LOC151871	3.048	3.048	3.048	+
CCNH	2.035	2.035	2.035	+
CCNB2	3.327	3.327	3.327	+
CDC25A	2.478	2.478	2.478	+
STAMBP	2.199	2.199	2.199	+
MYC	2.749	2.749	2.749	+
MCL1	3.607	3.607	3.607	+
LOC120450	2.057	2.057	2.057	+
RHOG	1.045	1.045	1.045	+
HAX1	3.352	3.352	3.352	+
EBAG9	1.798	1.798	1.798	+
ANGPT1	2.719	2.719	2.719	+
ITGA6	3.917	3.917	3.917	+
POLD2	2.783	2.783	2.783	+
NFKB2	2.664	2.664	2.664	+
LOC139376	3.922	3.922	3.922	+
ATIC	3.260	3.260	3.260	+
POLR2E	3.171	3.171	3.171	+
CEBPB	4.684	4.684	4.684	+

	V157F	R175H	R248Q
C9ORF48	+	+	+
CCNB1P1	+	+	+
MRLP46	+	+	+
ZNPF2	+	+	+
CARS	+	+	+
MOCOS	+	+	+
TNFRSF9	+	+	+
CARS	+	+	+
LOC56901	+	+	+
GEF-H1	+	+	+
SFPQ	+	+	+
CCNL1	+	+	+

o'farrell CANCER RES 2004 (COMPAR)		
	A138P	
HBB	2,21	+
RLN1	2,12	+
CCDC28D	0,34	-
ZNF22	0,5	-

	scian, MOL CELL BIO 2005			
	R75H	R273H	D281G	
QARS	1.677	1.677	1.677	+
SRM	1.766	1.766	1.766	+
PARP1	1.277	1.277	1.277	+
XRCC5	1.081	1.081	1.081	+
MCM6	1.960	1.960	1.960	+
CCNB2	2.790	2.790	2.790	+
CD44	1.841	1.841	1.841	+
DRG1	1.877	1.877	1.877	+
CDC25A	1.838	1.838	1.838	+
FYN	1.240	1.240	1.240	+
EBAG9	1.435	1.435	1.435	+
MYBL2	1.304	1.304	1.304	+
ITGA6	2.747	2.747	2.747	+
POLA2	1.971	1.971	1.971	+
MCM6	1.960	1.960	1.960	+
MCM3	1.315	1.315	1.315	+
NAPIL1	1.205	1.205	1.205	+
MAPKAPK3	1.692	1.692	1.692	+
MAPKAPK2	1.312	1.312	1.312	+
NFKB2	1.964	1.964	1.964	+
EBAG9	1.435	1.435	1.435	+
ATIC	1.262	1.262	1.262	+
POLR2E	2.012	2.012	2.012	+

	Li et al cancer res 2004	M237I (-)
M237I (+)		-
HMGCR	+	CRC7
IDII	+	PMAIP1
FDFT1	+	PPM1D
	SES2	-
	CDKN1A	-
	NIFU	-
	PRG1	-
	PSA	-
	CTBS	-
	CTH	-
	TNFRSF6	-
	FLJ10374	-
	MDM2	-
	PIG3	-

bossi et al., Cell cycle 2008			
Gene	Accession N	R175H	
ARHGDI1A	AI571798	7.09*	+
PLEC1	ZS4367	7.04	+
MARCKS	DI0522.1	5.00	+
ZFP36L2	AI356398	4.08	+
HMGAI1	AI176039.1	4.08	+
PXN	D8662.1	4.05*	+
HELLS	NM0180634.04.1	4.04	+
YPT3	X79780	4.00	+
ILF3	AF167569.1	3.09	+
MAZ	DS8131.1	3.08	+
SRPR	NM003139.1	3.08	+
TRP	BF110933	3.04	+
SLC19A1	U15939.1	3.04	+
CYSLT2R	NM020377.1	3.02	+
ANTXR1	NM018153.1	2.09	+
BCL2L1	NM001191.1	2.08*	+
NFKB2	NM002502.1	2.08	+
ID2	NM020166	2.08	+
EIF4G1	BE966878	2.07	+
CDC25A	AI343459	2.06	+
DAPK3	BF696824	2.05	+
IGF1R	NM000875.2	2.03*	+
EIF5A	NM001970.1	1.08	+
RANGAP1	NM002883.1	1.08*	+
TCF4	NM_005199.1	1.07	+
DHC2R4	NM_147621.1	1.07*	+
TFPI2	L27624.1	1.06	+
ARABKF1F	NM005733.1	1.04*	+
EIF1A	NM_004121.1	1.03	+
MAP2K3	L36719.1	1.00*	+

	weisz et al cancer res 2004
	R1757 (-)
OXCT	13
ANX3	3.5
ITGA5	4.5
IL13RA1	14
PPARG	7.5
GALC	8.4
GSK3A	2.5
MYBL1	2.5
PSMB8	2.6
SMARCA2	3.6
TGFBI	2.6
PLAUR	3.4
MEST	3.7
IGFBP6	9