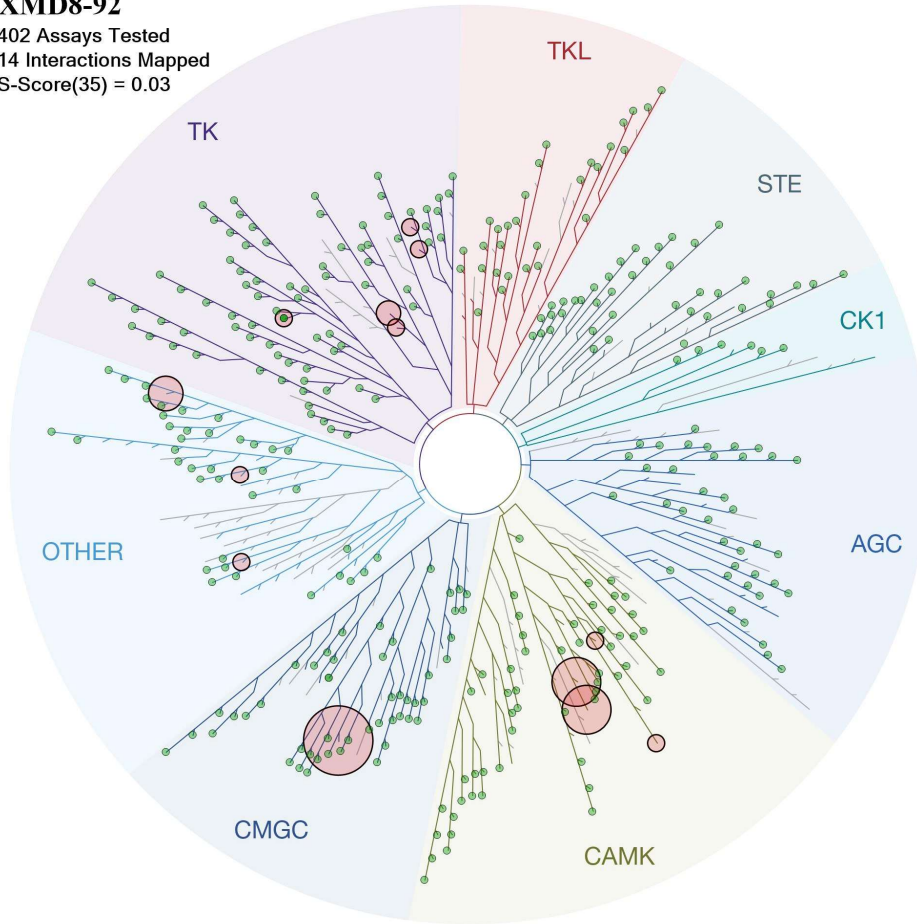


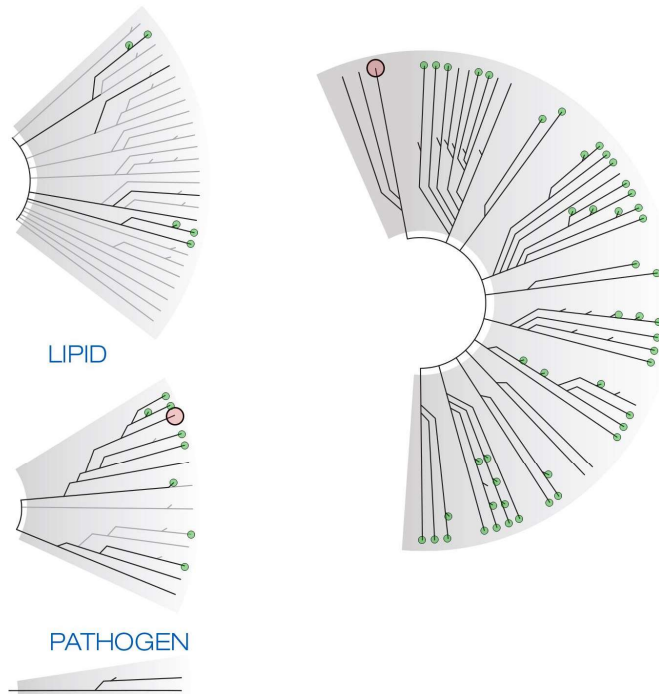
XMD8-92

402 Assays Tested
14 Interactions Mapped
S-Score(35) = 0.03



ATYPICAL

MUTANT



Compound Name	DiscoverX Gene Symbol	Entrez Gene Symbol	Percent Control	Compound Concentration (nM)
XMD8-92	AAK1	AAK1	100	10000
XMD8-92	ABL1	ABL1	100	10000
XMD8-92	ABL1(E255K)	ABL1	100	10000
XMD8-92	ABL1(F317I)	ABL1	30	10000
XMD8-92	ABL1(F317L)	ABL1	61	10000
XMD8-92	ABL1(H396P)	ABL1	100	10000
XMD8-92	ABL1(M351T)	ABL1	95	10000
XMD8-92	ABL1(Q252H)	ABL1	94	10000
XMD8-92	ABL1(T315I)	ABL1	100	10000
XMD8-92	ABL1(Y253F)	ABL1	95	10000
XMD8-92	ABL2	ABL2	74	10000
XMD8-92	ACVR1	ACVR1	89	10000
XMD8-92	ACVR1B	ACVR1B	100	10000
XMD8-92	ACVR2A	ACVR2A	89	10000
XMD8-92	ACVR2B	ACVR2B	86	10000
XMD8-92	ACVRL1	ACVRL1	74	10000
XMD8-92	ADCK3	CABC1	100	10000
XMD8-92	ADCK4	ADCK4	81	10000
XMD8-92	AKT1	AKT1	100	10000
XMD8-92	AKT2	AKT2	100	10000
XMD8-92	AKT3	AKT3	85	10000
XMD8-92	ALK	ALK	29	10000
XMD8-92	AMPK-alpha1	PRKAA1	82	10000
XMD8-92	AMPK-alpha2	PRKAA2	72	10000
XMD8-92	ANKK1	ANKK1	100	10000
XMD8-92	ARK5	NUAK1	89	10000
XMD8-92	ASK1	MAP3K5	74	10000
XMD8-92	ASK2	MAP3K6	88	10000
XMD8-92	AURKA	AURKA	89	10000
XMD8-92	AURKB	AURKB	100	10000
XMD8-92	AURKC	AURKC	69	10000
XMD8-92	AXL	AXL	100	10000
XMD8-92	BIKE	BMP2K	70	10000
XMD8-92	BLK	BLK	67	10000
XMD8-92	BMPR1A	BMPR1A	82	10000
XMD8-92	BMPR1B	BMPR1B	94	10000
XMD8-92	BMPR2	BMPR2	100	10000
XMD8-92	BMX	BMX	100	10000
XMD8-92	BRAF	BRAF	75	10000
XMD8-92	BRAF(V600E)	BRAF	74	10000
XMD8-92	BRK	PTK6	56	10000
XMD8-92	BRSK1	BRSK1	62	10000
XMD8-92	BRSK2	BRSK2	78	10000
XMD8-92	BTK	BTK	100	10000
XMD8-92	CAMK1	CAMK1	100	10000

XMD8-92	CAMK1D	CAMK1D	97	10000
XMD8-92	CAMK1G	CAMK1G	100	10000
XMD8-92	CAMK2A	CAMK2A	69	10000
XMD8-92	CAMK2B	CAMK2B	77	10000
XMD8-92	CAMK2D	CAMK2D	99	10000
XMD8-92	CAMK2G	CAMK2G	100	10000
XMD8-92	CAMK4	CAMK4	80	10000
XMD8-92	CAMKK1	CAMKK1	100	10000
XMD8-92	CAMKK2	CAMKK2	89	10000
XMD8-92	CDC2L1	CDK11B	86	10000
XMD8-92	CDC2L2	CDC2L2	72	10000
XMD8-92	CDK11	CDK19	100	10000
XMD8-92	CDK2	CDK2	86	10000
XMD8-92	CDK3	CDK3	83	10000
XMD8-92	CDK5	CDK5	72	10000
XMD8-92	CDK7	CDK7	100	10000
XMD8-92	CDK8	CDK8	72	10000
XMD8-92	CDK9	CDK9	100	10000
XMD8-92	CDKL2	CDKL2	73	10000
XMD8-92	CDKL3	CDKL3	100	10000
XMD8-92	CDKL5	CDKL5	94	10000
XMD8-92	CHEK1	CHEK1	100	10000
XMD8-92	CHEK2	CHEK2	84	10000
XMD8-92	CIT	CIT	79	10000
XMD8-92	CLK1	CLK1	70	10000
XMD8-92	CLK2	CLK2	92	10000
XMD8-92	CLK3	CLK3	82	10000
XMD8-92	CLK4	CLK4	76	10000
XMD8-92	CSF1R	CSF1R	95	10000
XMD8-92	CSK	CSK	100	10000
XMD8-92	CSNK1A1L	CSNK1A1L	69	10000
XMD8-92	CSNK1D	CSNK1D	75	10000
XMD8-92	CSNK1E	CSNK1E	75	10000
XMD8-92	CSNK1G1	CSNK1G1	67	10000
XMD8-92	CSNK1G2	CSNK1G2	81	10000
XMD8-92	CSNK1G3	CSNK1G3	77	10000
XMD8-92	CSNK2A1	CSNK2A1	100	10000
XMD8-92	CSNK2A2	CSNK2A2	59	10000
XMD8-92	CTK	MATK	100	10000
XMD8-92	DAPK1	DAPK1	87	10000
XMD8-92	DAPK2	DAPK2	99	10000
XMD8-92	DAPK3	DAPK3	81	10000
XMD8-92	DCAMKL1	DCLK1	0.9	10000
XMD8-92	DCAMKL2	DCLK2	0.65	10000
XMD8-92	DCAMKL3	DCLK3	60	10000
XMD8-92	DDR1	DDR1	100	10000
XMD8-92	DDR2	DDR2	74	10000

XMD8-92	DLK	MAP3K12	77	10000
XMD8-92	DMPK	DMPK	88	10000
XMD8-92	DMPK2	CDC42BPG	92	10000
XMD8-92	DRAK1	STK17A	80	10000
XMD8-92	DRAK2	STK17B	82	10000
XMD8-92	DYRK1A	DYRK1A	99	10000
XMD8-92	DYRK1B	DYRK1B	100	10000
XMD8-92	DYRK2	DYRK2	100	10000
XMD8-92	EGFR	EGFR	97	10000
XMD8-92	EGFR(E746-A750del)	EGFR	53	10000
XMD8-92	EGFR(G719C)	EGFR	82	10000
XMD8-92	EGFR(G719S)	EGFR	88	10000
XMD8-92	EGFR(L747-E749del, A750P)	EGFR	73	10000
XMD8-92	EGFR(L747-S752del, P753S)	EGFR	71	10000
XMD8-92	EGFR(L747-T751del,Sins)	EGFR	89	10000
XMD8-92	EGFR(L858R)	EGFR	90	10000
XMD8-92	EGFR(L858R,T790M)	EGFR	100	10000
XMD8-92	EGFR(L861Q)	EGFR	70	10000
XMD8-92	EGFR(S752-I759del)	EGFR	82	10000
XMD8-92	EPHA1	EPHA1	85	10000
XMD8-92	EPHA2	EPHA2	100	10000
XMD8-92	EPHA3	EPHA3	100	10000
XMD8-92	EPHA4	EPHA4	83	10000
XMD8-92	EPHA5	EPHA5	82	10000
XMD8-92	EPHA6	EPHA6	70	10000
XMD8-92	EPHA7	EPHA7	65	10000
XMD8-92	EPHA8	EPHA8	66	10000
XMD8-92	EPHB1	EPHB1	63	10000
XMD8-92	EPHB2	EPHB2	85	10000
XMD8-92	EPHB3	EPHB3	89	10000
XMD8-92	EPHB4	EPHB4	78	10000
XMD8-92	EPHB6	EPHB6	70	10000
XMD8-92	ERBB2	ERBB2	79	10000
XMD8-92	ERBB3	ERBB3	100	10000
XMD8-92	ERBB4	ERBB4	78	10000
XMD8-92	ERK1	MAPK3	98	10000
XMD8-92	ERK2	MAPK1	82	10000
XMD8-92	ERK3	MAPK6	100	10000
XMD8-92	ERK4	MAPK4	82	10000
XMD8-92	ERK5	MAPK7	0	10000
XMD8-92	ERK8	MAPK15	79	10000
XMD8-92	ERN1	ERN1	100	10000
XMD8-92	FAK	PTK2	44	10000
XMD8-92	FER	FER	62	10000
XMD8-92	FES	FES	68	10000
XMD8-92	FGFR1	FGFR1	83	10000
XMD8-92	FGFR2	FGFR2	100	10000

XMD8-92	FGFR3	FGFR3	100	10000
XMD8-92	FGFR3(G697C)	FGFR3	79	10000
XMD8-92	FGFR4	FGFR4	49	10000
XMD8-92	FGR	FGR	67	10000
XMD8-92	FLT1	FLT1	72	10000
XMD8-92	FLT3	FLT3	83	10000
XMD8-92	FLT3(D835H)	FLT3	77	10000
XMD8-92	FLT3(D835Y)	FLT3	92	10000
XMD8-92	FLT3(ITD)	FLT3	48	10000
XMD8-92	FLT3(K663Q)	FLT3	95	10000
XMD8-92	FLT3(N841I)	FLT3	97	10000
XMD8-92	FLT4	FLT4	80	10000
XMD8-92	FRK	FRK	49	10000
XMD8-92	FYN	FYN	76	10000
XMD8-92	GAK	GAK	31	10000
XMD8-92	GCN2(Kin.Dom.2,S808G)	EIF2AK4	84	10000
XMD8-92	GRK1	GRK1	91	10000
XMD8-92	GRK4	GRK4	100	10000
XMD8-92	GRK7	GRK7	96	10000
XMD8-92	GSK3A	GSK3A	78	10000
XMD8-92	GSK3B	GSK3B	69	10000
XMD8-92	HCK	HCK	62	10000
XMD8-92	HIPK1	HIPK1	68	10000
XMD8-92	HIPK2	HIPK2	100	10000
XMD8-92	HIPK3	HIPK3	85	10000
XMD8-92	HIPK4	HIPK4	100	10000
XMD8-92	HPK1	MAP4K1	85	10000
XMD8-92	HUNK	HUNK	85	10000
XMD8-92	ICK	ICK	85	10000
XMD8-92	IGF1R	IGF1R	92	10000
XMD8-92	IKK-alpha	CHUK	68	10000
XMD8-92	IKK-beta	IKBKB	73	10000
XMD8-92	IKK-epsilon	IKBKE	96	10000
XMD8-92	INSR	INSR	79	10000
XMD8-92	INSRR	INSRR	82	10000
XMD8-92	IRAK1	IRAK1	79	10000
XMD8-92	IRAK3	IRAK3	58	10000
XMD8-92	ITK	ITK	69	10000
XMD8-92	JAK1(JH1domain-catalytic)	JAK1	57	10000
XMD8-92	JAK1(JH2domain-pseudokinase)	JAK1	100	10000
XMD8-92	JAK2(JH1domain-catalytic)	JAK2	93	10000
XMD8-92	JAK3(JH1domain-catalytic)	JAK3	98	10000
XMD8-92	JNK1	MAPK8	85	10000
XMD8-92	JNK2	MAPK9	100	10000
XMD8-92	JNK3	MAPK10	84	10000
XMD8-92	KIT	KIT	91	10000
XMD8-92	KIT(D816V)	KIT	100	10000

XMD8-92	KIT(L576P)	KIT	80	10000
XMD8-92	KIT(V559D)	KIT	92	10000
XMD8-92	KIT(V559D,T670I)	KIT	90	10000
XMD8-92	KIT(V559D,V654A)	KIT	78	10000
XMD8-92	LATS1	LATS1	85	10000
XMD8-92	LATS2	LATS2	97	10000
XMD8-92	LCK	LCK	66	10000
XMD8-92	LIMK1	LIMK1	97	10000
XMD8-92	LIMK2	LIMK2	89	10000
XMD8-92	LKB1	STK11	100	10000
XMD8-92	LOK	STK10	80	10000
XMD8-92	LTK	LTK	40	10000
XMD8-92	LYN	LYN	78	10000
XMD8-92	LZK	MAP3K13	98	10000
XMD8-92	MAK	MAK	64	10000
XMD8-92	MAP3K1	MAP3K1	66	10000
XMD8-92	MAP3K15	MAP3K15	97	10000
XMD8-92	MAP3K2	MAP3K2	100	10000
XMD8-92	MAP3K3	MAP3K3	83	10000
XMD8-92	MAP3K4	MAP3K4	100	10000
XMD8-92	MAP4K2	MAP4K2	78	10000
XMD8-92	MAP4K3	MAP4K3	100	10000
XMD8-92	MAP4K4	MAP4K4	100	10000
XMD8-92	MAP4K5	MAP4K5	75	10000
XMD8-92	MAPKAPK2	MAPKAPK2	100	10000
XMD8-92	MAPKAPK5	MAPKAPK5	57	10000
XMD8-92	MARK1	MARK1	77	10000
XMD8-92	MARK2	MARK2	100	10000
XMD8-92	MARK3	MARK3	84	10000
XMD8-92	MARK4	MARK4	87	10000
XMD8-92	MAST1	MAST1	100	10000
XMD8-92	MEK1	MAP2K1	100	10000
XMD8-92	MEK2	MAP2K2	88	10000
XMD8-92	MEK3	MAP2K3	100	10000
XMD8-92	MEK4	MAP2K4	100	10000
XMD8-92	MEK6	MAP2K6	96	10000
XMD8-92	MELK	MELK	73	10000
XMD8-92	MERTK	MERTK	100	10000
XMD8-92	MET	MET	100	10000
XMD8-92	MET(M1250T)	MET	100	10000
XMD8-92	MET(Y1235D)	MET	76	10000
XMD8-92	MINK	MINK1	78	10000
XMD8-92	MKNK1	MKNK1	100	10000
XMD8-92	MKNK2	MKNK2	52	10000
XMD8-92	MLCK	MYLK3	76	10000
XMD8-92	MLK1	MAP3K9	100	10000
XMD8-92	MLK2	MAP3K10	100	10000

XMD8-92	MLK3	MAP3K11	68	10000
XMD8-92	MRCKA	CDC42BPA	100	10000
XMD8-92	MRCKB	CDC42BPB	100	10000
XMD8-92	MST1	STK4	88	10000
XMD8-92	MST1R	MST1R	82	10000
XMD8-92	MST2	STK3	100	10000
XMD8-92	MST3	STK24	100	10000
XMD8-92	MST4	MST4	85	10000
XMD8-92	MUSK	MUSK	81	10000
XMD8-92	MYLK	MYLK	36	10000
XMD8-92	MYLK2	MYLK2	71	10000
XMD8-92	MYLK4	MYLK4	93	10000
XMD8-92	MYO3A	MYO3A	94	10000
XMD8-92	MYO3B	MYO3B	98	10000
XMD8-92	NDR1	STK38	72	10000
XMD8-92	NDR2	STK38L	91	10000
XMD8-92	NEK1	NEK1	73	10000
XMD8-92	NEK2	NEK2	86	10000
XMD8-92	NEK5	NEK5	100	10000
XMD8-92	NEK6	NEK6	73	10000
XMD8-92	NEK7	NEK7	53	10000
XMD8-92	NEK9	NEK9	65	10000
XMD8-92	NIM1	MGC42105	100	10000
XMD8-92	NLK	NLK	56	10000
XMD8-92	OSR1	OXSRI	100	10000
XMD8-92	p38-alpha	MAPK14	98	10000
XMD8-92	p38-beta	MAPK11	99	10000
XMD8-92	p38-delta	MAPK13	88	10000
XMD8-92	p38-gamma	MAPK12	77	10000
XMD8-92	PAK1	PAK1	100	10000
XMD8-92	PAK2	PAK2	100	10000
XMD8-92	PAK3	PAK3	63	10000
XMD8-92	PAK4	PAK4	100	10000
XMD8-92	PAK6	PAK6	86	10000
XMD8-92	PAK7	PAK7	100	10000
XMD8-92	PCTK1	CDK16	85	10000
XMD8-92	PCTK2	CDK17	76	10000
XMD8-92	PCTK3	CDK18	78	10000
XMD8-92	PDGFRA	PDGFRA	100	10000
XMD8-92	PDGFRB	PDGFRB	100	10000
XMD8-92	PDPK1	PDPK1	100	10000
XMD8-92	PFTAIRE2	CDK15	62	10000
XMD8-92	PFTK1	CDK14	81	10000
XMD8-92	PHKG1	PHKG1	73	10000
XMD8-92	PHKG2	PHKG2	73	10000
XMD8-92	PIK3C2B	PIK3C2B	77	10000
XMD8-92	PIK3C2G	PIK3C2G	100	10000

XMD8-92	PIK3CA	PIK3CA	100	10000
XMD8-92	PIK3CA(C420R)	PIK3CA	94	10000
XMD8-92	PIK3CA(E542K)	PIK3CA	100	10000
XMD8-92	PIK3CA(E545A)	PIK3CA	89	10000
XMD8-92	PIK3CA(E545K)	PIK3CA	100	10000
XMD8-92	PIK3CA(H1047L)	PIK3CA	81	10000
XMD8-92	PIK3CA(H1047Y)	PIK3CA	81	10000
XMD8-92	PIK3CA(M1043I)	PIK3CA	80	10000
XMD8-92	PIK3CA(Q546K)	PIK3CA	71	10000
XMD8-92	PIK3CB	PIK3CB	89	10000
XMD8-92	PIK3CD	PIK3CD	44	10000
XMD8-92	PIK3CG	PIK3CG	35	10000
XMD8-92	PIK4CB	PI4KB	80	10000
XMD8-92	PIM1	PIM1	99	10000
XMD8-92	PIM2	PIM2	100	10000
XMD8-92	PIM3	PIM3	100	10000
XMD8-92	PIP5K1A	PIP5K1A	80	10000
XMD8-92	PIP5K2B	PIP4K2B	78	10000
XMD8-92	PKAC-alpha	PRKACA	100	10000
XMD8-92	PKAC-beta	PRKACB	93	10000
XMD8-92	PKMYT1	PKMYT1	91	10000
XMD8-92	PKN1	PKN1	82	10000
XMD8-92	PKN2	PKN2	84	10000
XMD8-92	PLK1	PLK1	37	10000
XMD8-92	PLK2	PLK2	100	10000
XMD8-92	PLK3	PLK3	100	10000
XMD8-92	PLK4	PLK4	2.8	10000
XMD8-92	PRKCD	PRKCD	83	10000
XMD8-92	PRKCE	PRKCE	85	10000
XMD8-92	PRKCH	PRKCH	88	10000
XMD8-92	PRKCQ	PRKCQ	65	10000
XMD8-92	PRKD1	PRKD1	74	10000
XMD8-92	PRKD2	PRKD2	73	10000
XMD8-92	PRKD3	PRKD3	100	10000
XMD8-92	PRKG1	PRKG1	70	10000
XMD8-92	PRKG2	PRKG2	81	10000
XMD8-92	PRKR	EIF2AK2	100	10000
XMD8-92	PRKX	PRKX	74	10000
XMD8-92	PRP4	PRPF4B	89	10000
XMD8-92	PYK2	PTK2B	56	10000
XMD8-92	QSK	KIAA0999	97	10000
XMD8-92	RAF1	RAF1	93	10000
XMD8-92	RET	RET	100	10000
XMD8-92	RET(M918T)	RET	68	10000
XMD8-92	RET(V804L)	RET	71	10000
XMD8-92	RET(V804M)	RET	88	10000
XMD8-92	RIOK1	RIOK1	51	10000

XMD8-92	RIOK2	RIOK2	86	10000
XMD8-92	RIOK3	RIOK3	61	10000
XMD8-92	RIPK1	RIPK1	94	10000
XMD8-92	RIPK2	RIPK2	82	10000
XMD8-92	RIPK4	RIPK4	100	10000
XMD8-92	ROCK1	ROCK1	93	10000
XMD8-92	ROCK2	ROCK2	83	10000
XMD8-92	ROS1	ROS1	15	10000
XMD8-92	RPS6KA4(Kin.Dom.1-N-terminal)	RPS6KA4	82	10000
XMD8-92	RPS6KA4(Kin.Dom.2-C-terminal)	RPS6KA4	68	10000
XMD8-92	RPS6KA5(Kin.Dom.1-N-terminal)	RPS6KA5	72	10000
XMD8-92	RPS6KA5(Kin.Dom.2-C-terminal)	RPS6KA5	74	10000
XMD8-92	RSK1(Kin.Dom.1-N-terminal)	RPS6KA1	100	10000
XMD8-92	RSK1(Kin.Dom.2-C-terminal)	RPS6KA1	28	10000
XMD8-92	RSK2(Kin.Dom.1-N-terminal)	RPS6KA3	100	10000
XMD8-92	RSK3(Kin.Dom.1-N-terminal)	RPS6KA2	67	10000
XMD8-92	RSK3(Kin.Dom.2-C-terminal)	RPS6KA2	38	10000
XMD8-92	RSK4(Kin.Dom.1-N-terminal)	RPS6KA6	76	10000
XMD8-92	RSK4(Kin.Dom.2-C-terminal)	RPS6KA6	31	10000
XMD8-92	SBK1	SBK1	53	10000
XMD8-92	SgK110	SgK110	56	10000
XMD8-92	SIK	SIK1	72	10000
XMD8-92	SIK2	SIK2	90	10000
XMD8-92	SLK	SLK	70	10000
XMD8-92	SNARK	NUAK2	100	10000
XMD8-92	SRC	SRC	100	10000
XMD8-92	SRMS	SRMS	69	10000
XMD8-92	SRPK1	SRPK1	87	10000
XMD8-92	SRPK2	SRPK2	61	10000
XMD8-92	SRPK3	SRPK3	100	10000
XMD8-92	STK16	STK16	100	10000
XMD8-92	STK33	STK33	43	10000
XMD8-92	STK35	STK35	93	10000
XMD8-92	STK36	STK36	90	10000
XMD8-92	STK39	STK39	79	10000
XMD8-92	SYK	SYK	60	10000
XMD8-92	TAK1	MAP3K7	78	10000
XMD8-92	TAOK1	TAOK1	63	10000
XMD8-92	TAOK2	TAOK2	67	10000
XMD8-92	TAOK3	TAOK3	55	10000
XMD8-92	TBK1	TBK1	100	10000
XMD8-92	TEC	TEC	73	10000
XMD8-92	TESK1	TESK1	92	10000
XMD8-92	TGFBR1	TGFBR1	100	10000
XMD8-92	TGFBR2	TGFBR2	60	10000
XMD8-92	TIE1	TIE1	91	10000
XMD8-92	TIE2	TEK	100	10000

XMD8-92	TLK1	TLK1	98	10000
XMD8-92	TLK2	TLK2	100	10000
XMD8-92	TNIK	TNIK	100	10000
XMD8-92	TNK1	TNK1	7.9	10000
XMD8-92	TNK2	TNK2	17	10000
XMD8-92	TNNI3K	TNNI3K	86	10000
XMD8-92	TRKA	NTRK1	100	10000
XMD8-92	TRKB	NTRK2	65	10000
XMD8-92	TRKC	NTRK3	98	10000
XMD8-92	TSSK1B	TSSK1B	60	10000
XMD8-92	TTK	TTK	19	10000
XMD8-92	TXK	TXK	86	10000
XMD8-92	TYK2(JH1domain-catalytic)	TYK2	81	10000
XMD8-92	TYK2(JH2domain-pseudokinase)	TYK2	58	10000
XMD8-92	TYRO3	TYRO3	100	10000
XMD8-92	ULK1	ULK1	52	10000
XMD8-92	ULK2	ULK2	94	10000
XMD8-92	ULK3	ULK3	72	10000
XMD8-92	VEGFR2	KDR	100	10000
XMD8-92	WEE1	WEE1	100	10000
XMD8-92	WEE2	WEE2	68	10000
XMD8-92	YANK2	STK32B	86	10000
XMD8-92	YANK3	STK32C	100	10000
XMD8-92	YES	YES1	77	10000
XMD8-92	YSK1	STK25	96	10000
XMD8-92	YSK4	MAP3K19	87	10000
XMD8-92	ZAK	ZAK	100	10000
XMD8-92	ZAP70	ZAP70	100	10000