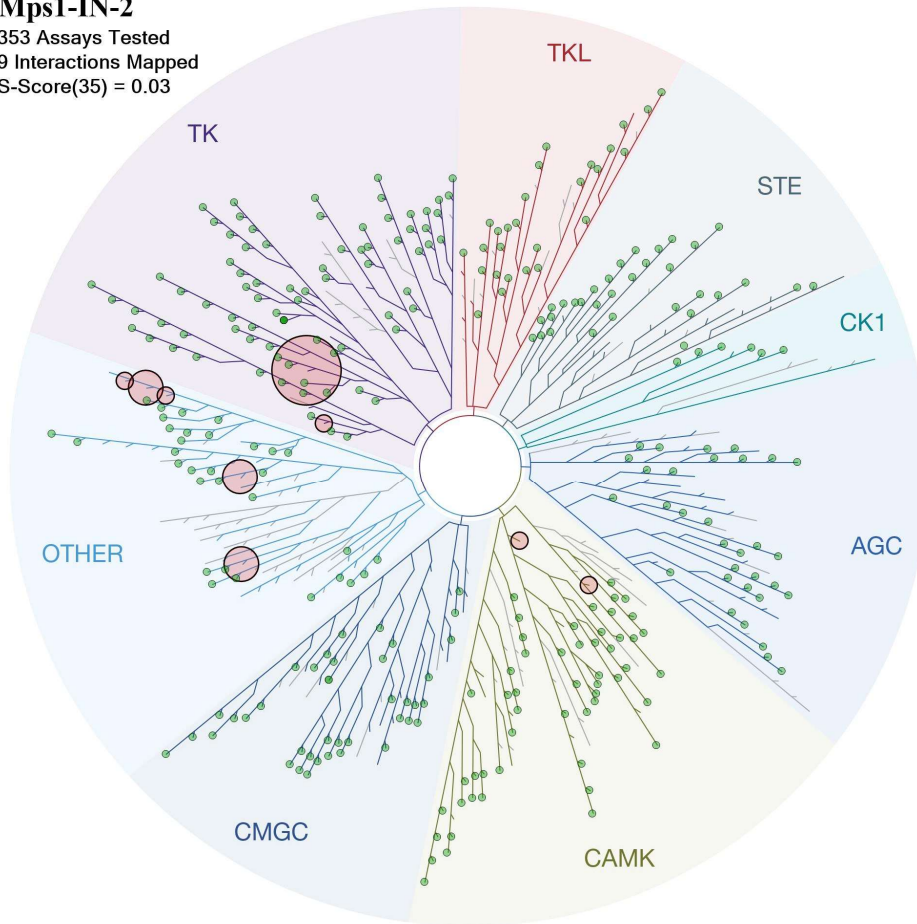
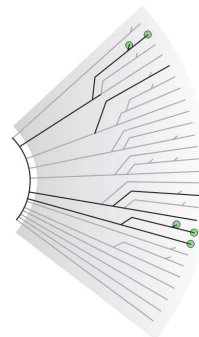


Mps1-IN-2
353 Assays Tested
9 Interactions Mapped
S-Score(35) = 0.03

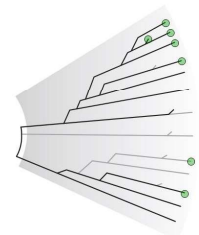


ATYPICAL

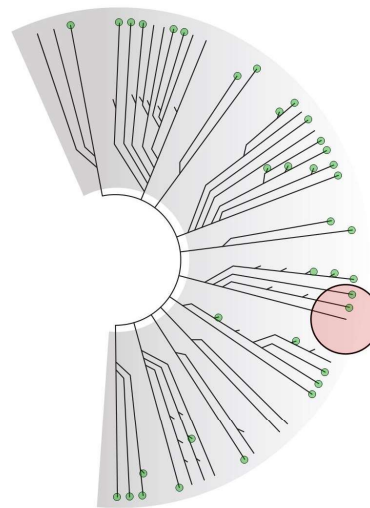
MUTANT



LIPID



PATHOGEN



Compound Name	DiscoverX Gene Symbol	Entrez Gene Symbol	Percent Control	Compound Concentration (nM)
Mps1-IN-2	AAK1	AAK1	100	10000
Mps1-IN-2	ABL1	ABL1	100	10000
Mps1-IN-2	ABL1(E255K)	ABL1	100	10000
Mps1-IN-2	ABL1(F317I)	ABL1	100	10000
Mps1-IN-2	ABL1(F317L)	ABL1	100	10000
Mps1-IN-2	ABL1(H396P)	ABL1	100	10000
Mps1-IN-2	ABL1(M351T)	ABL1	100	10000
Mps1-IN-2	ABL1(Q252H)	ABL1	100	10000
Mps1-IN-2	ABL1(T315I)	ABL1	100	10000
Mps1-IN-2	ABL1(Y253F)	ABL1	100	10000
Mps1-IN-2	ABL2	ABL2	90	10000
Mps1-IN-2	ACVR1	ACVR1	100	10000
Mps1-IN-2	ACVR1B	ACVR1B	100	10000
Mps1-IN-2	ACVR2A	ACVR2A	100	10000
Mps1-IN-2	ACVR2B	ACVR2B	100	10000
Mps1-IN-2	ACVRL1	ACVRL1	100	10000
Mps1-IN-2	ADCK3	CABC1	100	10000
Mps1-IN-2	ADCK4	ADCK4	100	10000
Mps1-IN-2	AKT1	AKT1	100	10000
Mps1-IN-2	AKT2	AKT2	100	10000
Mps1-IN-2	AKT3	AKT3	100	10000
Mps1-IN-2	ALK	ALK	48	10000
Mps1-IN-2	AMPK-alpha1	PRKAA1	89	10000
Mps1-IN-2	AMPK-alpha2	PRKAA2	93	10000
Mps1-IN-2	ANKK1	ANKK1	100	10000
Mps1-IN-2	ARK5	NUAK1	75	10000
Mps1-IN-2	ASK1	MAP3K5	100	10000
Mps1-IN-2	AURKA	AURKA	98	10000
Mps1-IN-2	AURKB	AURKB	100	10000
Mps1-IN-2	AURKC	AURKC	100	10000
Mps1-IN-2	AXL	AXL	100	10000
Mps1-IN-2	BIKE	BMP2K	100	10000
Mps1-IN-2	BLK	BLK	98	10000
Mps1-IN-2	BMPR1A	BMPR1A	100	10000
Mps1-IN-2	BMPR1B	BMPR1B	100	10000
Mps1-IN-2	BMPR2	BMPR2	100	10000
Mps1-IN-2	BMX	BMX	100	10000
Mps1-IN-2	BRAF	BRAF	89	10000
Mps1-IN-2	BRAF(V600E)	BRAF	98	10000
Mps1-IN-2	BRK	PTK6	100	10000
Mps1-IN-2	BRSK1	BRSK1	94	10000
Mps1-IN-2	BRSK2	BRSK2	91	10000
Mps1-IN-2	BTK	BTK	100	10000
Mps1-IN-2	CAMK1	CAMK1	100	10000
Mps1-IN-2	CAMK1D	CAMK1D	100	10000

Mps1-IN-2	CAMK1G	CAMK1G	100	10000
Mps1-IN-2	CAMK2A	CAMK2A	66	10000
Mps1-IN-2	CAMK2B	CAMK2B	77	10000
Mps1-IN-2	CAMK2D	CAMK2D	100	10000
Mps1-IN-2	CAMK2G	CAMK2G	100	10000
Mps1-IN-2	CAMK4	CAMK4	100	10000
Mps1-IN-2	CAMKK1	CAMKK1	100	10000
Mps1-IN-2	CAMKK2	CAMKK2	89	10000
Mps1-IN-2	CDC2L1	CDK11B	82	10000
Mps1-IN-2	CDC2L2	CDC2L2	87	10000
Mps1-IN-2	CDK11	CDK19	100	10000
Mps1-IN-2	CDK2	CDK2	100	10000
Mps1-IN-2	CDK3	CDK3	100	10000
Mps1-IN-2	CDK5	CDK5	100	10000
Mps1-IN-2	CDK7	CDK7	100	10000
Mps1-IN-2	CDK8	CDK8	100	10000
Mps1-IN-2	CDK9	CDK9	100	10000
Mps1-IN-2	CDKL2	CDKL2	100	10000
Mps1-IN-2	CHEK1	CHEK1	100	10000
Mps1-IN-2	CHEK2	CHEK2	100	10000
Mps1-IN-2	CIT	CIT	100	10000
Mps1-IN-2	CLK1	CLK1	100	10000
Mps1-IN-2	CLK2	CLK2	68	10000
Mps1-IN-2	CLK3	CLK3	100	10000
Mps1-IN-2	CLK4	CLK4	100	10000
Mps1-IN-2	CSF1R	CSF1R	100	10000
Mps1-IN-2	CSK	CSK	100	10000
Mps1-IN-2	CSNK1A1L	CSNK1A1L	100	10000
Mps1-IN-2	CSNK1D	CSNK1D	100	10000
Mps1-IN-2	CSNK1E	CSNK1E	100	10000
Mps1-IN-2	CSNK1G1	CSNK1G1	100	10000
Mps1-IN-2	CSNK1G2	CSNK1G2	100	10000
Mps1-IN-2	CSNK1G3	CSNK1G3	99	10000
Mps1-IN-2	CSNK2A1	CSNK2A1	100	10000
Mps1-IN-2	CSNK2A2	CSNK2A2	68	10000
Mps1-IN-2	DAPK1	DAPK1	83	10000
Mps1-IN-2	DAPK2	DAPK2	54	10000
Mps1-IN-2	DAPK3	DAPK3	60	10000
Mps1-IN-2	DCAMKL1	DCLK1	100	10000
Mps1-IN-2	DCAMKL2	DCLK2	63	10000
Mps1-IN-2	DCAMKL3	DCLK3	100	10000
Mps1-IN-2	DDR1	DDR1	100	10000
Mps1-IN-2	DDR2	DDR2	100	10000
Mps1-IN-2	DLK	MAP3K12	96	10000
Mps1-IN-2	DMPK	DMPK	100	10000
Mps1-IN-2	DMPK2	CDC42BPG	93	10000
Mps1-IN-2	DRAK1	STK17A	100	10000

Mps1-IN-2	DRAK2	STK17B	100	10000
Mps1-IN-2	DYRK1B	DYRK1B	100	10000
Mps1-IN-2	EGFR	EGFR	79	10000
Mps1-IN-2	EGFR(E746-A750del)	EGFR	49	10000
Mps1-IN-2	EGFR(G719C)	EGFR	52	10000
Mps1-IN-2	EGFR(G719S)	EGFR	55	10000
Mps1-IN-2	EGFR(L747-E749del, A750P)	EGFR	44	10000
Mps1-IN-2	EGFR(L747-S752del, P753S)	EGFR	45	10000
Mps1-IN-2	EGFR(L747-T751del,Sins)	EGFR	46	10000
Mps1-IN-2	EGFR(L858R)	EGFR	67	10000
Mps1-IN-2	EGFR(L861Q)	EGFR	56	10000
Mps1-IN-2	EGFR(S752-I759del)	EGFR	57	10000
Mps1-IN-2	EPHA1	EPHA1	100	10000
Mps1-IN-2	EPHA2	EPHA2	100	10000
Mps1-IN-2	EPHA3	EPHA3	100	10000
Mps1-IN-2	EPHA4	EPHA4	100	10000
Mps1-IN-2	EPHA5	EPHA5	96	10000
Mps1-IN-2	EPHA6	EPHA6	100	10000
Mps1-IN-2	EPHA7	EPHA7	95	10000
Mps1-IN-2	EPHA8	EPHA8	91	10000
Mps1-IN-2	EPHB1	EPHB1	100	10000
Mps1-IN-2	EPHB2	EPHB2	100	10000
Mps1-IN-2	EPHB3	EPHB3	100	10000
Mps1-IN-2	EPHB4	EPHB4	100	10000
Mps1-IN-2	ERBB2	ERBB2	100	10000
Mps1-IN-2	ERBB4	ERBB4	100	10000
Mps1-IN-2	ERK1	MAPK3	100	10000
Mps1-IN-2	ERK2	MAPK1	85	10000
Mps1-IN-2	ERK3	MAPK6	84	10000
Mps1-IN-2	ERK4	MAPK4	100	10000
Mps1-IN-2	ERK5	MAPK7	95	10000
Mps1-IN-2	ERK8	MAPK15	99	10000
Mps1-IN-2	FAK	PTK2	24	10000
Mps1-IN-2	FER	FER	58	10000
Mps1-IN-2	FES	FES	100	10000
Mps1-IN-2	FGFR1	FGFR1	88	10000
Mps1-IN-2	FGFR2	FGFR2	100	10000
Mps1-IN-2	FGFR3	FGFR3	100	10000
Mps1-IN-2	FGFR3(G697C)	FGFR3	100	10000
Mps1-IN-2	FGFR4	FGFR4	100	10000
Mps1-IN-2	FGR	FGR	100	10000
Mps1-IN-2	FLT1	FLT1	100	10000
Mps1-IN-2	FLT3	FLT3	0	10000
Mps1-IN-2	FLT3(D835H)	FLT3	100	10000
Mps1-IN-2	FLT3(D835Y)	FLT3	100	10000
Mps1-IN-2	FLT3(ITD)	FLT3	100	10000
Mps1-IN-2	FLT3(K663Q)	FLT3	100	10000

Mps1-IN-2	FLT3(N841I)	FLT3	100	10000
Mps1-IN-2	FLT4	FLT4	100	10000
Mps1-IN-2	FRK	FRK	100	10000
Mps1-IN-2	FYN	FYN	100	10000
Mps1-IN-2	GAK	GAK	2	10000
Mps1-IN-2	GCN2(Kin.Dom.2,S808G)	EIF2AK4	74	10000
Mps1-IN-2	GSK3A	GSK3A	49	10000
Mps1-IN-2	GSK3B	GSK3B	100	10000
Mps1-IN-2	HCK	HCK	90	10000
Mps1-IN-2	HIPK1	HIPK1	100	10000
Mps1-IN-2	HPK1	MAP4K1	96	10000
Mps1-IN-2	IGF1R	IGF1R	59	10000
Mps1-IN-2	IKK-alpha	CHUK	85	10000
Mps1-IN-2	IKK-beta	IKBKB	100	10000
Mps1-IN-2	IKK-epsilon	IKBKE	87	10000
Mps1-IN-2	INSR	INSR	42	10000
Mps1-IN-2	INSRR	INSRR	66	10000
Mps1-IN-2	IRAK3	IRAK3	88	10000
Mps1-IN-2	ITK	ITK	100	10000
Mps1-IN-2	JAK1(JH1domain-catalytic)	JAK1	69	10000
Mps1-IN-2	JAK1(JH2domain-pseudokinase)	JAK1	100	10000
Mps1-IN-2	JAK2(JH1domain-catalytic)	JAK2	96	10000
Mps1-IN-2	JAK3(JH1domain-catalytic)	JAK3	100	10000
Mps1-IN-2	JNK1	MAPK8	88	10000
Mps1-IN-2	JNK2	MAPK9	77	10000
Mps1-IN-2	JNK3	MAPK10	99	10000
Mps1-IN-2	KIT	KIT	100	10000
Mps1-IN-2	KIT(D816V)	KIT	100	10000
Mps1-IN-2	KIT(V559D)	KIT	100	10000
Mps1-IN-2	KIT(V559D,T670I)	KIT	100	10000
Mps1-IN-2	KIT(V559D,V654A)	KIT	100	10000
Mps1-IN-2	LATS1	LATS1	98	10000
Mps1-IN-2	LATS2	LATS2	97	10000
Mps1-IN-2	LCK	LCK	100	10000
Mps1-IN-2	LIMK1	LIMK1	100	10000
Mps1-IN-2	LIMK2	LIMK2	90	10000
Mps1-IN-2	LKB1	STK11	100	10000
Mps1-IN-2	LOK	STK10	90	10000
Mps1-IN-2	LTK	LTK	77	10000
Mps1-IN-2	LYN	LYN	96	10000
Mps1-IN-2	MAP3K3	MAP3K3	94	10000
Mps1-IN-2	MAP3K4	MAP3K4	100	10000
Mps1-IN-2	MAP4K2	MAP4K2	79	10000
Mps1-IN-2	MAP4K3	MAP4K3	100	10000
Mps1-IN-2	MAP4K4	MAP4K4	100	10000
Mps1-IN-2	MAP4K5	MAP4K5	100	10000
Mps1-IN-2	MAPKAPK2	MAPKAPK2	100	10000

Mps1-IN-2	MAPKAPK5	MAPKAPK5	98	10000
Mps1-IN-2	MARK1	MARK1	92	10000
Mps1-IN-2	MARK2	MARK2	100	10000
Mps1-IN-2	MARK3	MARK3	100	10000
Mps1-IN-2	MARK4	MARK4	93	10000
Mps1-IN-2	MEK1	MAP2K1	96	10000
Mps1-IN-2	MEK2	MAP2K2	100	10000
Mps1-IN-2	MEK3	MAP2K3	95	10000
Mps1-IN-2	MEK4	MAP2K4	84	10000
Mps1-IN-2	MEK6	MAP2K6	94	10000
Mps1-IN-2	MELK	MELK	91	10000
Mps1-IN-2	MERTK	MERTK	90	10000
Mps1-IN-2	MET	MET	89	10000
Mps1-IN-2	MINK	MINK1	100	10000
Mps1-IN-2	MKNK1	MKNK1	100	10000
Mps1-IN-2	MKNK2	MKNK2	71	10000
Mps1-IN-2	MLCK	MYLK3	100	10000
Mps1-IN-2	MLK1	MAP3K9	100	10000
Mps1-IN-2	MLK2	MAP3K10	80	10000
Mps1-IN-2	MLK3	MAP3K11	99	10000
Mps1-IN-2	MRCKA	CDC42BPA	100	10000
Mps1-IN-2	MRCKB	CDC42BPB	100	10000
Mps1-IN-2	MST1	STK4	94	10000
Mps1-IN-2	MST1R	MST1R	100	10000
Mps1-IN-2	MST2	STK3	100	10000
Mps1-IN-2	MST3	STK24	100	10000
Mps1-IN-2	MST4	MST4	100	10000
Mps1-IN-2	MUSK	MUSK	82	10000
Mps1-IN-2	MYLK	MYLK	35	10000
Mps1-IN-2	MYLK2	MYLK2	100	10000
Mps1-IN-2	MYLK4	MYLK4	100	10000
Mps1-IN-2	MYO3A	MYO3A	100	10000
Mps1-IN-2	MYO3B	MYO3B	80	10000
Mps1-IN-2	NDR2	STK38L	100	10000
Mps1-IN-2	NEK1	NEK1	91	10000
Mps1-IN-2	NEK2	NEK2	88	10000
Mps1-IN-2	NEK5	NEK5	84	10000
Mps1-IN-2	NEK6	NEK6	91	10000
Mps1-IN-2	NEK7	NEK7	97	10000
Mps1-IN-2	NEK9	NEK9	100	10000
Mps1-IN-2	NLK	NLK	100	10000
Mps1-IN-2	p38-alpha	MAPK14	91	10000
Mps1-IN-2	p38-beta	MAPK11	100	10000
Mps1-IN-2	p38-delta	MAPK13	100	10000
Mps1-IN-2	p38-gamma	MAPK12	100	10000
Mps1-IN-2	PAK1	PAK1	97	10000
Mps1-IN-2	PAK2	PAK2	100	10000

Mps1-IN-2	PAK3	PAK3	100	10000
Mps1-IN-2	PAK4	PAK4	100	10000
Mps1-IN-2	PAK6	PAK6	100	10000
Mps1-IN-2	PAK7	PAK7	100	10000
Mps1-IN-2	PCTK1	CDK16	100	10000
Mps1-IN-2	PCTK2	CDK17	83	10000
Mps1-IN-2	PCTK3	CDK18	76	10000
Mps1-IN-2	PDGFRA	PDGFRA	100	10000
Mps1-IN-2	PDGFRB	PDGFRB	100	10000
Mps1-IN-2	PDPK1	PDPK1	92	10000
Mps1-IN-2	PFTAIRE2	CDK15	100	10000
Mps1-IN-2	PFTK1	CDK14	73	10000
Mps1-IN-2	PHKG1	PHKG1	99	10000
Mps1-IN-2	PHKG2	PHKG2	83	10000
Mps1-IN-2	PIK3C2B	PIK3C2B	98	10000
Mps1-IN-2	PIK3CA	PIK3CA	100	10000
Mps1-IN-2	PIK3CA(E545K)	PIK3CA	100	10000
Mps1-IN-2	PIK3CB	PIK3CB	100	10000
Mps1-IN-2	PIK3CD	PIK3CD	100	10000
Mps1-IN-2	PIK3CG	PIK3CG	100	10000
Mps1-IN-2	PIM1	PIM1	100	10000
Mps1-IN-2	PIM2	PIM2	100	10000
Mps1-IN-2	PIM3	PIM3	100	10000
Mps1-IN-2	PIP5K1A	PIP5K1A	98	10000
Mps1-IN-2	PIP5K2B	PIP4K2B	100	10000
Mps1-IN-2	PKAC-alpha	PRKACA	92	10000
Mps1-IN-2	PKAC-beta	PRKACB	99	10000
Mps1-IN-2	PKMYT1	PKMYT1	96	10000
Mps1-IN-2	PKN1	PKN1	97	10000
Mps1-IN-2	PKN2	PKN2	100	10000
Mps1-IN-2	PLK1	PLK1	4.3	10000
Mps1-IN-2	PLK3	PLK3	15	10000
Mps1-IN-2	PLK4	PLK4	27	10000
Mps1-IN-2	PRKCD	PRKCD	87	10000
Mps1-IN-2	PRKCE	PRKCE	97	10000
Mps1-IN-2	PRKCH	PRKCH	98	10000
Mps1-IN-2	PRKCQ	PRKCQ	96	10000
Mps1-IN-2	PRKD1	PRKD1	100	10000
Mps1-IN-2	PRKD2	PRKD2	72	10000
Mps1-IN-2	PRKD3	PRKD3	90	10000
Mps1-IN-2	PRKG1	PRKG1	100	10000
Mps1-IN-2	PRKG2	PRKG2	93	10000
Mps1-IN-2	PRKR	EIF2AK2	74	10000
Mps1-IN-2	PRKX	PRKX	100	10000
Mps1-IN-2	PYK2	PTK2B	56	10000
Mps1-IN-2	RAF1	RAF1	100	10000
Mps1-IN-2	RET	RET	100	10000

Mps1-IN-2	RET(M918T)	RET	100	10000
Mps1-IN-2	RET(V804L)	RET	100	10000
Mps1-IN-2	RET(V804M)	RET	95	10000
Mps1-IN-2	RIOK1	RIOK1	100	10000
Mps1-IN-2	RIOK2	RIOK2	100	10000
Mps1-IN-2	RIOK3	RIOK3	100	10000
Mps1-IN-2	RIPK1	RIPK1	93	10000
Mps1-IN-2	RIPK2	RIPK2	100	10000
Mps1-IN-2	RIPK4	RIPK4	100	10000
Mps1-IN-2	ROCK2	ROCK2	100	10000
Mps1-IN-2	ROS1	ROS1	92	10000
Mps1-IN-2	RPS6KA4(Kin.Dom.1-N-termi	RPS6KA4	100	10000
Mps1-IN-2	RPS6KA4(Kin.Dom.2-C-termi	RPS6KA4	93	10000
Mps1-IN-2	RPS6KA5(Kin.Dom.1-N-termi	RPS6KA5	99	10000
Mps1-IN-2	RPS6KA5(Kin.Dom.2-C-termi	RPS6KA5	100	10000
Mps1-IN-2	RSK1(Kin.Dom.1-N-terminal)	RPS6KA1	100	10000
Mps1-IN-2	RSK1(Kin.Dom.2-C-terminal)	RPS6KA1	76	10000
Mps1-IN-2	RSK2(Kin.Dom.1-N-terminal)	RPS6KA3	100	10000
Mps1-IN-2	RSK3(Kin.Dom.1-N-terminal)	RPS6KA2	90	10000
Mps1-IN-2	RSK3(Kin.Dom.2-C-terminal)	RPS6KA2	38	10000
Mps1-IN-2	RSK4(Kin.Dom.1-N-terminal)	RPS6KA6	88	10000
Mps1-IN-2	RSK4(Kin.Dom.2-C-terminal)	RPS6KA6	77	10000
Mps1-IN-2	SgK110	SgK110	100	10000
Mps1-IN-2	SIK	SIK1	92	10000
Mps1-IN-2	SIK2	SIK2	100	10000
Mps1-IN-2	SLK	SLK	96	10000
Mps1-IN-2	SNARK	NUAK2	100	10000
Mps1-IN-2	SRC	SRC	100	10000
Mps1-IN-2	SRMS	SRMS	100	10000
Mps1-IN-2	SRPK1	SRPK1	95	10000
Mps1-IN-2	SRPK2	SRPK2	100	10000
Mps1-IN-2	SRPK3	SRPK3	100	10000
Mps1-IN-2	STK16	STK16	100	10000
Mps1-IN-2	STK33	STK33	33	10000
Mps1-IN-2	STK35	STK35	100	10000
Mps1-IN-2	STK36	STK36	100	10000
Mps1-IN-2	SYK	SYK	95	10000
Mps1-IN-2	TAK1	MAP3K7	80	10000
Mps1-IN-2	TAOK1	TAOK1	100	10000
Mps1-IN-2	TAOK3	TAOK3	100	10000
Mps1-IN-2	TEC	TEC	95	10000
Mps1-IN-2	TESK1	TESK1	100	10000
Mps1-IN-2	TGFBR1	TGFBR1	100	10000
Mps1-IN-2	TGFBR2	TGFBR2	100	10000
Mps1-IN-2	TIE1	TIE1	86	10000
Mps1-IN-2	TIE2	TEK	100	10000
Mps1-IN-2	TLK1	TLK1	100	10000

Mps1-IN-2	TLK2	TLK2	83	10000
Mps1-IN-2	TNIK	TNIK	100	10000
Mps1-IN-2	TNK1	TNK1	68	10000
Mps1-IN-2	TNK2	TNK2	100	10000
Mps1-IN-2	TNNI3K	TNNI3K	100	10000
Mps1-IN-2	TRKA	NTRK1	100	10000
Mps1-IN-2	TRKB	NTRK2	87	10000
Mps1-IN-2	TRKC	NTRK3	89	10000
Mps1-IN-2	TSSK1B	TSSK1B	89	10000
Mps1-IN-2	TTK	TTK	3.2	10000
Mps1-IN-2	TXK	TXK	100	10000
Mps1-IN-2	TYK2(JH1domain-catalytic)	TYK2	100	10000
Mps1-IN-2	TYK2(JH2domain-pseudokinase)	TYK2	100	10000
Mps1-IN-2	TYRO3	TYRO3	100	10000
Mps1-IN-2	ULK1	ULK1	85	10000
Mps1-IN-2	ULK2	ULK2	88	10000
Mps1-IN-2	ULK3	ULK3	93	10000
Mps1-IN-2	VEGFR2	KDR	100	10000
Mps1-IN-2	WEE1	WEE1	100	10000
Mps1-IN-2	WEE2	WEE2	100	10000
Mps1-IN-2	YANK2	STK32B	90	10000
Mps1-IN-2	YANK3	STK32C	100	10000
Mps1-IN-2	YES	YES1	100	10000
Mps1-IN-2	YSK1	STK25	96	10000
Mps1-IN-2	ZAK	ZAK	100	10000
Mps1-IN-2	ZAP70	ZAP70	82	10000