

Table S1. RMC-4550 is selective for full-length SHP2 across fifteen other phosphatases.

Enzyme	Potency of RMC-4550 for inhibition of enzyme activity	
	pIC ₅₀	IC ₅₀ (nM)*
human SHP2-FL	8.81	1.55
human SHP2-cat	< 5	> 10000
human SHP1-FL	< 5	> 10000
human SHP1-cat	< 5	> 10000
human PTP1b	< 5	> 10000
human HePTP	< 5	> 10000
human Lyp	< 5	> 10000
human CD45	< 5	> 10000
human PTPRB	< 5	> 10000
human LMPTPA	< 5	> 10000
human LMPTPB	< 5	> 10000
human DUSP22	< 5	> 10000
human STEP	< 5	> 10000
human PP1	< 5	> 10000
human PP2A	< 5	> 10000
human PRL1	< 5	> 10000

Table S2. RMC-4550 is selective for full-length SHP2 across 468 kinases.

Compound Name	DiscoverX Gene Symbol	Entrez Gene Symbol	Percent Control	Compound Concentration (nM)
RMC-4550	AAK1	AAK1	100	10000
RMC-4550	ABL1(E255K)-phosphorylated	ABL1	100	10000
RMC-4550	ABL1(F317I)-nonphosphorylated	ABL1	100	10000
RMC-4550	ABL1(F317I)-phosphorylated	ABL1	100	10000
RMC-4550	ABL1(F317L)-nonphosphorylated	ABL1	100	10000
RMC-4550	ABL1(F317L)-phosphorylated	ABL1	98	10000
RMC-4550	ABL1(H396P)-nonphosphorylated	ABL1	100	10000
RMC-4550	ABL1(H396P)-phosphorylated	ABL1	99	10000
RMC-4550	ABL1(M351T)-phosphorylated	ABL1	100	10000
RMC-4550	ABL1(Q252H)-nonphosphorylated	ABL1	87	10000
RMC-4550	ABL1(Q252H)-phosphorylated	ABL1	100	10000
RMC-4550	ABL1(T315I)-nonphosphorylated	ABL1	100	10000
RMC-4550	ABL1(T315I)-phosphorylated	ABL1	96	10000
RMC-4550	ABL1(Y253F)-phosphorylated	ABL1	100	10000
RMC-4550	ABL1-nonphosphorylated	ABL1	64	10000
RMC-4550	ABL1-phosphorylated	ABL1	76	10000
RMC-4550	ABL2	ABL2	100	10000
RMC-4550	ACVR1	ACVR1	100	10000
RMC-4550	ACVR1B	ACVR1B	100	10000
RMC-4550	ACVR2A	ACVR2A	100	10000
RMC-4550	ACVR2B	ACVR2B	100	10000
RMC-4550	ACVRL1	ACVRL1	100	10000
RMC-4550	ADCK3	CABC1	99	10000
RMC-4550	ADCK4	ADCK4	81	10000
RMC-4550	AKT1	AKT1	100	10000
RMC-4550	AKT2	AKT2	100	10000
RMC-4550	AKT3	AKT3	68	10000
RMC-4550	ALK	ALK	100	10000
RMC-4550	ALK(C1156Y)	ALK	70	10000
RMC-4550	ALK(L1196M)	ALK	62	10000
RMC-4550	AMPK-alpha1	PRKAA1	100	10000
RMC-4550	AMPK-alpha2	PRKAA2	100	10000
RMC-4550	ANKK1	ANKK1	100	10000
RMC-4550	ARK5	NUAK1	87	10000
RMC-4550	ASK1	MAP3K5	100	10000
RMC-4550	ASK2	MAP3K6	92	10000
RMC-4550	AURKA	AURKA	100	10000
RMC-4550	AURKB	AURKB	100	10000
RMC-4550	AURKC	AURKC	100	10000
RMC-4550	AXL	AXL	100	10000
RMC-4550	BIKE	BMP2K	100	10000
RMC-4550	BLK	BLK	100	10000
RMC-4550	BMPR1A	BMPR1A	100	10000
RMC-4550	BMPR1B	BMPR1B	100	10000
RMC-4550	BMPR2	BMPR2	100	10000
RMC-4550	BMX	BMX	100	10000
RMC-4550	BRAF	BRAF	100	10000
RMC-4550	BRAF(V600E)	BRAF	99	10000
RMC-4550	BRK	PTK6	100	10000
RMC-4550	BRSK1	BRSK1	100	10000
RMC-4550	BRSK2	BRSK2	90	10000
RMC-4550	BTK	BTK	100	10000
RMC-4550	BUB1	BUB1	100	10000
RMC-4550	CAMK1	CAMK1	78	10000
RMC-4550	CAMK1B	PNCK	62	10000
RMC-4550	CAMK1D	CAMK1D	97	10000
RMC-4550	CAMK1G	CAMK1G	96	10000

RMC-4550	CAMK2A	CAMK2A	100	10000
RMC-4550	CAMK2B	CAMK2B	100	10000
RMC-4550	CAMK2D	CAMK2D	99	10000
RMC-4550	CAMK2G	CAMK2G	96	10000
RMC-4550	CAMK4	CAMK4	84	10000
RMC-4550	CAMKK1	CAMKK1	100	10000
RMC-4550	CAMKK2	CAMKK2	100	10000
RMC-4550	CASK	CASK	83	10000
RMC-4550	CDC2L1	CDK11B	100	10000
RMC-4550	CDC2L2	CDC2L2	91	10000
RMC-4550	CDC2L5	CDK13	100	10000
RMC-4550	CDK11	CDK19	100	10000
RMC-4550	CDK2	CDK2	100	10000
RMC-4550	CDK3	CDK3	85	10000
RMC-4550	CDK4	CDK4	100	10000
RMC-4550	CDK4-cyclinD1	CDK4	73	10000
RMC-4550	CDK4-cyclinD3	CDK4	100	10000
RMC-4550	CDK5	CDK5	100	10000
RMC-4550	CDK7	CDK7	100	10000
RMC-4550	CDK8	CDK8	70	10000
RMC-4550	CDK9	CDK9	100	10000
RMC-4550	CDKL1	CDKL1	87	10000
RMC-4550	CDKL2	CDKL2	99	10000
RMC-4550	CDKL3	CDKL3	100	10000
RMC-4550	CDKL5	CDKL5	100	10000
RMC-4550	CHEK1	CHEK1	97	10000
RMC-4550	CHEK2	CHEK2	100	10000
RMC-4550	CIT	CIT	89	10000
RMC-4550	CLK1	CLK1	100	10000
RMC-4550	CLK2	CLK2	100	10000
RMC-4550	CLK3	CLK3	100	10000
RMC-4550	CLK4	CLK4	95	10000
RMC-4550	CSF1R	CSF1R	100	10000
RMC-4550	CSF1R-autoinhibited	CSF1R	100	10000
RMC-4550	CSK	CSK	100	10000
RMC-4550	CSNK1A1	CSNK1A1	100	10000
RMC-4550	CSNK1A1L	CSNK1A1L	100	10000
RMC-4550	CSNK1D	CSNK1D	100	10000
RMC-4550	CSNK1E	CSNK1E	97	10000
RMC-4550	CSNK1G1	CSNK1G1	100	10000
RMC-4550	CSNK1G2	CSNK1G2	100	10000
RMC-4550	CSNK1G3	CSNK1G3	100	10000
RMC-4550	CSNK2A1	CSNK2A1	100	10000
RMC-4550	CSNK2A2	CSNK2A2	100	10000
RMC-4550	CTK	MATK	100	10000
RMC-4550	DAPK1	DAPK1	98	10000
RMC-4550	DAPK2	DAPK2	86	10000
RMC-4550	DAPK3	DAPK3	100	10000
RMC-4550	DCAMKL1	DCLK1	100	10000
RMC-4550	DCAMKL2	DCLK2	93	10000
RMC-4550	DCAMKL3	DCLK3	99	10000
RMC-4550	DDR1	DDR1	91	10000
RMC-4550	DDR2	DDR2	99	10000
RMC-4550	DLK	MAP3K12	100	10000
RMC-4550	DMPK	DMPK	84	10000
RMC-4550	DMPK2	CDC42BPG	100	10000
RMC-4550	DRAK1	STK17A	100	10000
RMC-4550	DRAK2	STK17B	100	10000

RMC-4550	DYRK1A	DYRK1A	100	10000
RMC-4550	DYRK1B	DYRK1B	100	10000
RMC-4550	DYRK2	DYRK2	100	10000
RMC-4550	EGFR	EGFR	100	10000
RMC-4550	EGFR(E746-A750del)	EGFR	88	10000
RMC-4550	EGFR(G719C)	EGFR	100	10000
RMC-4550	EGFR(G719S)	EGFR	100	10000
RMC-4550	EGFR(L747-E749del, A750P)	EGFR	90	10000
RMC-4550	EGFR(L747-S752del, P753S)	EGFR	89	10000
RMC-4550	EGFR(L747-T751del,Sins)	EGFR	100	10000
RMC-4550	EGFR(L858R)	EGFR	100	10000
RMC-4550	EGFR(L858R,T790M)	EGFR	64	10000
RMC-4550	EGFR(L861Q)	EGFR	95	10000
RMC-4550	EGFR(S752-I759del)	EGFR	100	10000
RMC-4550	EGFR(T790M)	EGFR	100	10000
RMC-4550	EIF2AK1	EIF2AK1	100	10000
RMC-4550	EPHA1	EPHA1	100	10000
RMC-4550	EPHA2	EPHA2	100	10000
RMC-4550	EPHA3	EPHA3	84	10000
RMC-4550	EPHA4	EPHA4	100	10000
RMC-4550	EPHA5	EPHA5	100	10000
RMC-4550	EPHA6	EPHA6	100	10000
RMC-4550	EPHA7	EPHA7	100	10000
RMC-4550	EPHA8	EPHA8	100	10000
RMC-4550	EPHB1	EPHB1	100	10000
RMC-4550	EPHB2	EPHB2	100	10000
RMC-4550	EPHB3	EPHB3	100	10000
RMC-4550	EPHB4	EPHB4	100	10000
RMC-4550	EPHB6	EPHB6	100	10000
RMC-4550	ERBB2	ERBB2	93	10000
RMC-4550	ERBB3	ERBB3	88	10000
RMC-4550	ERBB4	ERBB4	100	10000
RMC-4550	ERK1	MAPK3	96	10000
RMC-4550	ERK2	MAPK1	100	10000
RMC-4550	ERK3	MAPK6	100	10000
RMC-4550	ERK4	MAPK4	100	10000
RMC-4550	ERK5	MAPK7	100	10000
RMC-4550	ERK8	MAPK15	100	10000
RMC-4550	ERN1	ERN1	74	10000
RMC-4550	FAK	PTK2	100	10000
RMC-4550	FER	FER	100	10000
RMC-4550	FES	FES	100	10000
RMC-4550	FGFR1	FGFR1	100	10000
RMC-4550	FGFR2	FGFR2	100	10000
RMC-4550	FGFR3	FGFR3	100	10000
RMC-4550	FGFR3(G697C)	FGFR3	92	10000
RMC-4550	FGFR4	FGFR4	100	10000
RMC-4550	FGR	FGR	90	10000
RMC-4550	FLT1	FLT1	100	10000
RMC-4550	FLT3	FLT3	100	10000
RMC-4550	FLT3(D835H)	FLT3	100	10000
RMC-4550	FLT3(D835V)	FLT3	100	10000
RMC-4550	FLT3(D835Y)	FLT3	86	10000
RMC-4550	FLT3(ITD)	FLT3	100	10000
RMC-4550	FLT3(ITD,D835V)	FLT3	100	10000
RMC-4550	FLT3(ITD,F691L)	FLT3	78	10000
RMC-4550	FLT3(K663Q)	FLT3	100	10000
RMC-4550	FLT3(N841I)	FLT3	100	10000

RMC-4550	FLT3(R834Q)	FLT3	96	10000
RMC-4550	FLT3-autoinhibited	FLT3	92	10000
RMC-4550	FLT4	FLT4	100	10000
RMC-4550	FRK	FRK	100	10000
RMC-4550	FYN	FYN	100	10000
RMC-4550	GAK	GAK	100	10000
RMC-4550	GCN2(Kin.Dom.2,S808G)	EIF2AK4	93	10000
RMC-4550	GRK1	GRK1	100	10000
RMC-4550	GRK2	ADRBK1	92	10000
RMC-4550	GRK3	ADRBK2	93	10000
RMC-4550	GRK4	GRK4	62	10000
RMC-4550	GRK7	GRK7	100	10000
RMC-4550	GSK3A	GSK3A	84	10000
RMC-4550	GSK3B	GSK3B	100	10000
RMC-4550	HASPIN	GSG2	93	10000
RMC-4550	HCK	HCK	97	10000
RMC-4550	HIPK1	HIPK1	98	10000
RMC-4550	HIPK2	HIPK2	100	10000
RMC-4550	HIPK3	HIPK3	100	10000
RMC-4550	HIPK4	HIPK4	100	10000
RMC-4550	HPK1	MAP4K1	91	10000
RMC-4550	HUNK	HUNK	100	10000
RMC-4550	ICK	ICK	100	10000
RMC-4550	IGF1R	IGF1R	100	10000
RMC-4550	IKK-alpha	CHUK	100	10000
RMC-4550	IKK-beta	IKBKB	100	10000
RMC-4550	IKK-epsilon	IKBKE	100	10000
RMC-4550	INSR	INSR	100	10000
RMC-4550	INSRR	INSRR	100	10000
RMC-4550	IRAK1	IRAK1	100	10000
RMC-4550	IRAK3	IRAK3	100	10000
RMC-4550	IRAK4	IRAK4	100	10000
RMC-4550	ITK	ITK	100	10000
RMC-4550	JAK1(JH1domain-catalytic)	JAK1	89	10000
RMC-4550	JAK1(JH2domain-pseudokinase)	JAK1	80	10000
RMC-4550	JAK2(JH1domain-catalytic)	JAK2	100	10000
RMC-4550	JAK3(JH1domain-catalytic)	JAK3	100	10000
RMC-4550	JNK1	MAPK8	100	10000
RMC-4550	JNK2	MAPK9	100	10000
RMC-4550	JNK3	MAPK10	100	10000
RMC-4550	KIT	KIT	100	10000
RMC-4550	KIT(A829P)	KIT	75	10000
RMC-4550	KIT(D816H)	KIT	100	10000
RMC-4550	KIT(D816V)	KIT	100	10000
RMC-4550	KIT(L576P)	KIT	100	10000
RMC-4550	KIT(V559D)	KIT	100	10000
RMC-4550	KIT(V559D,T670I)	KIT	100	10000
RMC-4550	KIT(V559D,V654A)	KIT	100	10000
RMC-4550	KIT-autoinhibited	KIT	96	10000
RMC-4550	LATS1	LATS1	100	10000
RMC-4550	LATS2	LATS2	100	10000
RMC-4550	LCK	LCK	100	10000
RMC-4550	LIMK1	LIMK1	100	10000
RMC-4550	LIMK2	LIMK2	100	10000
RMC-4550	LKB1	STK11	81	10000
RMC-4550	LOK	STK10	100	10000
RMC-4550	LRRK2	LRRK2	100	10000
RMC-4550	LRRK2(G2019S)	LRRK2	100	10000

RMC-4550	LTK	LTK	84	10000
RMC-4550	LYN	LYN	100	10000
RMC-4550	LZK	MAP3K13	100	10000
RMC-4550	MAK	MAK	94	10000
RMC-4550	MAP3K1	MAP3K1	100	10000
RMC-4550	MAP3K15	MAP3K15	100	10000
RMC-4550	MAP3K2	MAP3K2	100	10000
RMC-4550	MAP3K3	MAP3K3	96	10000
RMC-4550	MAP3K4	MAP3K4	100	10000
RMC-4550	MAP4K2	MAP4K2	100	10000
RMC-4550	MAP4K3	MAP4K3	100	10000
RMC-4550	MAP4K4	MAP4K4	100	10000
RMC-4550	MAP4K5	MAP4K5	100	10000
RMC-4550	MAPKAPK2	MAPKAPK2	88	10000
RMC-4550	MAPKAPK5	MAPKAPK5	100	10000
RMC-4550	MARK1	MARK1	100	10000
RMC-4550	MARK2	MARK2	86	10000
RMC-4550	MARK3	MARK3	100	10000
RMC-4550	MARK4	MARK4	100	10000
RMC-4550	MAST1	MAST1	84	10000
RMC-4550	MEK1	MAP2K1	100	10000
RMC-4550	MEK2	MAP2K2	98	10000
RMC-4550	MEK3	MAP2K3	100	10000
RMC-4550	MEK4	MAP2K4	100	10000
RMC-4550	MEK5	MAP2K5	100	10000
RMC-4550	MEK6	MAP2K6	95	10000
RMC-4550	MELK	MELK	100	10000
RMC-4550	MERTK	MERTK	100	10000
RMC-4550	MET	MET	100	10000
RMC-4550	MET(M1250T)	MET	100	10000
RMC-4550	MET(Y1235D)	MET	92	10000
RMC-4550	MINK	MINK1	100	10000
RMC-4550	MKK7	MAP2K7	100	10000
RMC-4550	MKNK1	MKNK1	100	10000
RMC-4550	MKNK2	MKNK2	100	10000
RMC-4550	MLCK	MYLK3	100	10000
RMC-4550	MLK1	MAP3K9	100	10000
RMC-4550	MLK2	MAP3K10	94	10000
RMC-4550	MLK3	MAP3K11	98	10000
RMC-4550	MRCKA	CDC42BPA	98	10000
RMC-4550	MRCKB	CDC42BPB	100	10000
RMC-4550	MST1	STK4	100	10000
RMC-4550	MST1R	MST1R	100	10000
RMC-4550	MST2	STK3	93	10000
RMC-4550	MST3	STK24	88	10000
RMC-4550	MST4	MST4	82	10000
RMC-4550	MTOR	MTOR	95	10000
RMC-4550	MUSK	MUSK	100	10000
RMC-4550	MYLK	MYLK	93	10000
RMC-4550	MYLK2	MYLK2	99	10000
RMC-4550	MYLK4	MYLK4	100	10000
RMC-4550	MYO3A	MYO3A	71	10000
RMC-4550	MYO3B	MYO3B	100	10000
RMC-4550	NDR1	STK38	91	10000
RMC-4550	NDR2	STK38L	100	10000
RMC-4550	NEK1	NEK1	80	10000
RMC-4550	NEK10	NEK10	100	10000
RMC-4550	NEK11	NEK11	100	10000

RMC-4550	NEK2	NEK2	100	10000
RMC-4550	NEK3	NEK3	94	10000
RMC-4550	NEK4	NEK4	100	10000
RMC-4550	NEK5	NEK5	100	10000
RMC-4550	NEK6	NEK6	100	10000
RMC-4550	NEK7	NEK7	100	10000
RMC-4550	NEK9	NEK9	100	10000
RMC-4550	NIK	MAP3K14	70	10000
RMC-4550	NIM1	MGC42105	100	10000
RMC-4550	NLK	NLK	100	10000
RMC-4550	OSR1	OXR1	100	10000
RMC-4550	p38-alpha	MAPK14	81	10000
RMC-4550	p38-beta	MAPK11	100	10000
RMC-4550	p38-delta	MAPK13	100	10000
RMC-4550	p38-gamma	MAPK12	100	10000
RMC-4550	PAK1	PAK1	90	10000
RMC-4550	PAK2	PAK2	78	10000
RMC-4550	PAK3	PAK3	100	10000
RMC-4550	PAK4	PAK4	88	10000
RMC-4550	PAK6	PAK6	97	10000
RMC-4550	PAK7	PAK7	87	10000
RMC-4550	PCK1	CDK16	100	10000
RMC-4550	PCK2	CDK17	100	10000
RMC-4550	PCK3	CDK18	89	10000
RMC-4550	PDGFRA	PDGFRA	83	10000
RMC-4550	PDGFRB	PDGFRB	100	10000
RMC-4550	PDPK1	PDPK1	100	10000
RMC-4550	PFCDPK1(P.falciparum)	CDPK1	100	10000
RMC-4550	PFPK5(P.falciparum)	MAL13P1.279	100	10000
RMC-4550	PFTAIRE2	CDK15	100	10000
RMC-4550	PFTK1	CDK14	87	10000
RMC-4550	PHKG1	PHKG1	73	10000
RMC-4550	PHKG2	PHKG2	100	10000
RMC-4550	PIK3C2B	PIK3C2B	94	10000
RMC-4550	PIK3C2G	PIK3C2G	96	10000
RMC-4550	PIK3CA	PIK3CA	100	10000
RMC-4550	PIK3CA(C420R)	PIK3CA	97	10000
RMC-4550	PIK3CA(E542K)	PIK3CA	100	10000
RMC-4550	PIK3CA(E545A)	PIK3CA	78	10000
RMC-4550	PIK3CA(E545K)	PIK3CA	93	10000
RMC-4550	PIK3CA(H1047L)	PIK3CA	100	10000
RMC-4550	PIK3CA(H1047Y)	PIK3CA	84	10000
RMC-4550	PIK3CA(I800L)	PIK3CA	93	10000
RMC-4550	PIK3CA(M1043I)	PIK3CA	100	10000
RMC-4550	PIK3CA(Q546K)	PIK3CA	100	10000
RMC-4550	PIK3CB	PIK3CB	100	10000
RMC-4550	PIK3CD	PIK3CD	100	10000
RMC-4550	PIK3CG	PIK3CG	100	10000
RMC-4550	PIK4CB	PI4KB	100	10000
RMC-4550	PIKFYVE	PIKFYVE	91	10000
RMC-4550	PIM1	PIM1	48	10000
RMC-4550	PIM2	PIM2	100	10000
RMC-4550	PIM3	PIM3	95	10000
RMC-4550	PIP5K1A	PIP5K1A	100	10000
RMC-4550	PIP5K1C	PIP5K1C	94	10000
RMC-4550	PIP5K2B	PIP4K2B	100	10000
RMC-4550	PIP5K2C	PIP4K2C	93	10000
RMC-4550	PKAC-alpha	PRKACA	95	10000

RMC-4550	PKAC-beta	PRKACB	91	10000
RMC-4550	PKMYT1	PKMYT1	100	10000
RMC-4550	PKN1	PKN1	100	10000
RMC-4550	PKN2	PKN2	69	10000
RMC-4550	PKNB(M.tuberculosis)	pknB	100	10000
RMC-4550	PLK1	PLK1	100	10000
RMC-4550	PLK2	PLK2	100	10000
RMC-4550	PLK3	PLK3	100	10000
RMC-4550	PLK4	PLK4	100	10000
RMC-4550	PRKCD	PRKCD	100	10000
RMC-4550	PRKCE	PRKCE	87	10000
RMC-4550	PRKCH	PRKCH	99	10000
RMC-4550	PRKCI	PRKCI	95	10000
RMC-4550	PRKCQ	PRKCQ	100	10000
RMC-4550	PRKD1	PRKD1	90	10000
RMC-4550	PRKD2	PRKD2	100	10000
RMC-4550	PRKD3	PRKD3	100	10000
RMC-4550	PRKG1	PRKG1	81	10000
RMC-4550	PRKG2	PRKG2	100	10000
RMC-4550	PRKR	EIF2AK2	84	10000
RMC-4550	PRKX	PRKX	60	10000
RMC-4550	PRP4	PRPF4B	100	10000
RMC-4550	PYK2	PTK2B	100	10000
RMC-4550	QSK	KIAA0999	100	10000
RMC-4550	RAF1	RAF1	84	10000
RMC-4550	RET	RET	100	10000
RMC-4550	RET(M918T)	RET	100	10000
RMC-4550	RET(V804L)	RET	100	10000
RMC-4550	RET(V804M)	RET	100	10000
RMC-4550	RIOK1	RIOK1	100	10000
RMC-4550	RIOK2	RIOK2	100	10000
RMC-4550	RIOK3	RIOK3	99	10000
RMC-4550	RIPK1	RIPK1	100	10000
RMC-4550	RIPK2	RIPK2	100	10000
RMC-4550	RIPK4	RIPK4	100	10000
RMC-4550	RIPK5	DSTYK	100	10000
RMC-4550	ROCK1	ROCK1	100	10000
RMC-4550	ROCK2	ROCK2	100	10000
RMC-4550	ROS1	ROS1	100	10000
RMC-4550	RPS6KA4(Kin.Dom.1-N-terminal)	RPS6KA4	79	10000
RMC-4550	RPS6KA4(Kin.Dom.2-C-terminal)	RPS6KA4	100	10000
RMC-4550	RPS6KA5(Kin.Dom.1-N-terminal)	RPS6KA5	96	10000
RMC-4550	RPS6KA5(Kin.Dom.2-C-terminal)	RPS6KA5	100	10000
RMC-4550	RSK1(Kin.Dom.1-N-terminal)	RPS6KA1	100	10000
RMC-4550	RSK1(Kin.Dom.2-C-terminal)	RPS6KA1	83	10000
RMC-4550	RSK2(Kin.Dom.1-N-terminal)	RPS6KA3	100	10000
RMC-4550	RSK2(Kin.Dom.2-C-terminal)	RPS6KA3	85	10000
RMC-4550	RSK3(Kin.Dom.1-N-terminal)	RPS6KA2	98	10000
RMC-4550	RSK3(Kin.Dom.2-C-terminal)	RPS6KA2	81	10000
RMC-4550	RSK4(Kin.Dom.1-N-terminal)	RPS6KA6	100	10000
RMC-4550	RSK4(Kin.Dom.2-C-terminal)	RPS6KA6	85	10000
RMC-4550	S6K1	RPS6KB1	94	10000
RMC-4550	SBK1	SBK1	100	10000
RMC-4550	SGK	SGK1	100	10000
RMC-4550	SgK110	SgK110	100	10000
RMC-4550	SGK2	SGK2	100	10000
RMC-4550	SGK3	SGK3	100	10000
RMC-4550	SIK	SIK1	100	10000

RMC-4550	SIK2	SIK2	100	10000
RMC-4550	SLK	SLK	100	10000
RMC-4550	SNARK	NUAK2	100	10000
RMC-4550	SNRK	SNRK	100	10000
RMC-4550	SRC	SRC	100	10000
RMC-4550	SRMS	SRMS	100	10000
RMC-4550	SRPK1	SRPK1	100	10000
RMC-4550	SRPK2	SRPK2	100	10000
RMC-4550	SRPK3	SRPK3	69	10000
RMC-4550	STK16	STK16	95	10000
RMC-4550	STK33	STK33	100	10000
RMC-4550	STK35	STK35	100	10000
RMC-4550	STK36	STK36	100	10000
RMC-4550	STK39	STK39	100	10000
RMC-4550	SYK	SYK	100	10000
RMC-4550	TAK1	MAP3K7	100	10000
RMC-4550	TAOK1	TAOK1	100	10000
RMC-4550	TAOK2	TAOK2	100	10000
RMC-4550	TAOK3	TAOK3	100	10000
RMC-4550	TBK1	TBK1	92	10000
RMC-4550	TEC	TEC	100	10000
RMC-4550	TESK1	TESK1	93	10000
RMC-4550	TGFBR1	TGFBR1	95	10000
RMC-4550	TGFBR2	TGFBR2	100	10000
RMC-4550	TIE1	TIE1	100	10000
RMC-4550	TIE2	TEK	100	10000
RMC-4550	TLK1	TLK1	96	10000
RMC-4550	TLK2	TLK2	97	10000
RMC-4550	TNIK	TNIK	79	10000
RMC-4550	TNK1	TNK1	100	10000
RMC-4550	TNK2	TNK2	100	10000
RMC-4550	TNNI3K	TNNI3K	100	10000
RMC-4550	TRKA	NTRK1	100	10000
RMC-4550	TRKB	NTRK2	100	10000
RMC-4550	TRKC	NTRK3	100	10000
RMC-4550	TRPM6	TRPM6	100	10000
RMC-4550	TSSK1B	TSSK1B	100	10000
RMC-4550	TSSK3	TSSK3	71	10000
RMC-4550	TTK	TTK	90	10000
RMC-4550	TXK	TXK	87	10000
RMC-4550	TYK2(JH1domain-catalytic)	TYK2	97	10000
RMC-4550	TYK2(JH2domain-pseudokinase)	TYK2	100	10000
RMC-4550	TYRO3	TYRO3	100	10000
RMC-4550	ULK1	ULK1	100	10000
RMC-4550	ULK2	ULK2	100	10000
RMC-4550	ULK3	ULK3	100	10000
RMC-4550	VEGFR2	KDR	100	10000
RMC-4550	VPS34	PIK3C3	100	10000
RMC-4550	VRK2	VRK2	100	10000
RMC-4550	WEE1	WEE1	100	10000
RMC-4550	WEE2	WEE2	100	10000
RMC-4550	WNK1	WNK1	100	10000
RMC-4550	WNK2	WNK2	100	10000
RMC-4550	WNK3	WNK3	65	10000
RMC-4550	WNK4	WNK4	100	10000
RMC-4550	YANK1	STK32A	100	10000
RMC-4550	YANK2	STK32B	100	10000
RMC-4550	YANK3	STK32C	100	10000

RMC-4550	YES	YES1	100	10000
RMC-4550	YSK1	STK25	90	10000
RMC-4550	YSK4	MAP3K19	100	10000
RMC-4550	ZAK	ZAK	100	10000
RMC-4550	ZAP70	ZAP70	100	10000