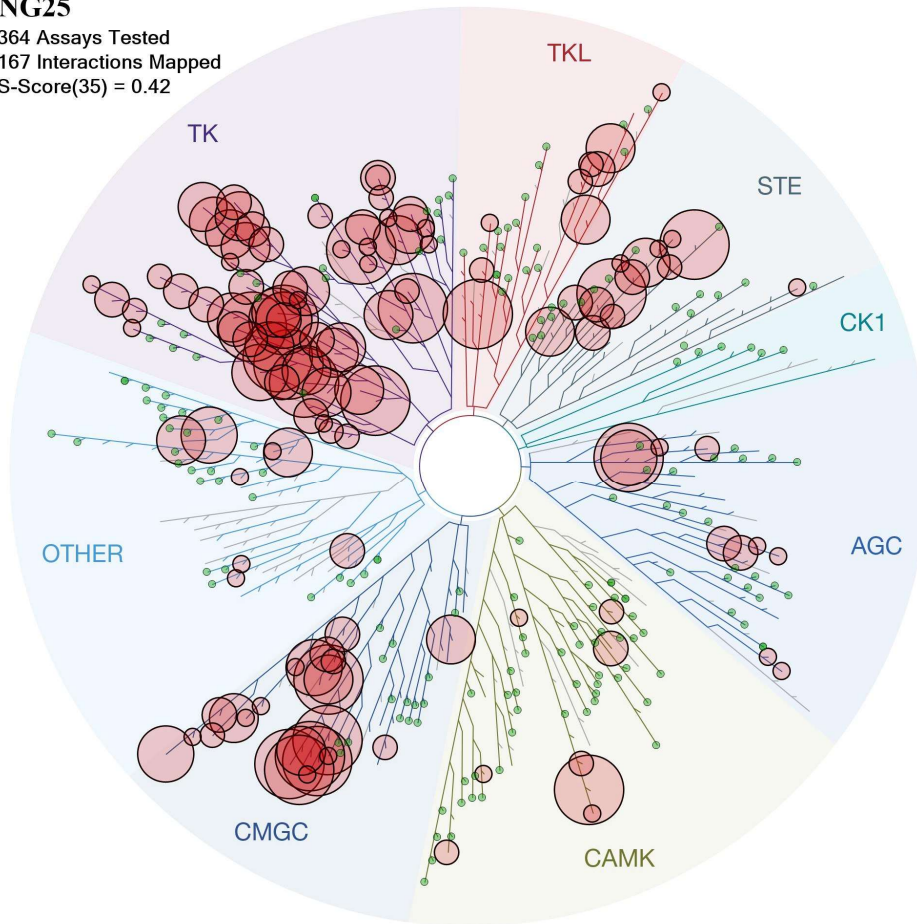


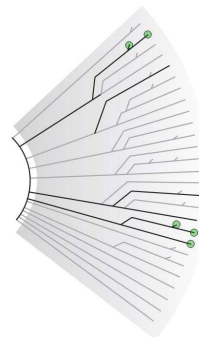
NG25

364 Assays Tested
167 Interactions Mapped
S-Score(35) = 0.42

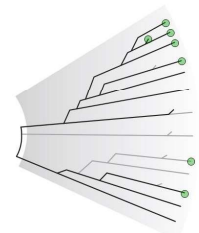


ATYPICAL

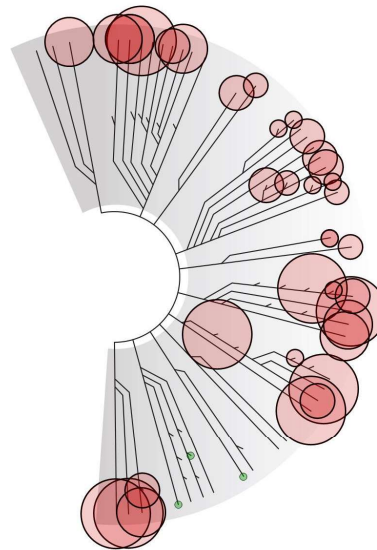
MUTANT



LIPID



PATHOGEN



Compound Name	DiscoverX Gene Symbol	Entrez Gene Symbol	Percent Control	Compound Concentration (nM)
NG25	AAK1	AAK1	100	10000
NG25	ABL1	ABL1	0.1	10000
NG25	ABL1(E255K)	ABL1	1.3	10000
NG25	ABL1(F317I)	ABL1	0.05	10000
NG25	ABL1(F317L)	ABL1	0.1	10000
NG25	ABL1(H396P)	ABL1	0.7	10000
NG25	ABL1(M351T)	ABL1	0.35	10000
NG25	ABL1(M351T)	ABL1	0.4	10000
NG25	ABL1(Q252H)	ABL1	0.4	10000
NG25	ABL1(T315I)	ABL1	0	10000
NG25	ABL1(Y253F)	ABL1	1.1	10000
NG25	ABL2	ABL2	0.6	10000
NG25	ACVR1	ACVR1	100	10000
NG25	ACVR1B	ACVR1B	100	10000
NG25	ACVR2A	ACVR2A	100	10000
NG25	ACVR2B	ACVR2B	86	10000
NG25	ACVRL1	ACVRL1	100	10000
NG25	ADCK3	CABC1	100	10000
NG25	ADCK4	ADCK4	96	10000
NG25	AKT1	AKT1	100	10000
NG25	AKT2	AKT2	64	10000
NG25	AKT3	AKT3	81	10000
NG25	ALK	ALK	0.55	10000
NG25	AMPK-alpha1	PRKAA1	33	10000
NG25	AMPK-alpha2	PRKAA2	58	10000
NG25	ANKK1	ANKK1	23	10000
NG25	ARK5	NUAK1	100	10000
NG25	ASK1	MAP3K5	100	10000
NG25	AURKA	AURKA	100	10000
NG25	AURKB	AURKB	87	10000
NG25	AURKC	AURKC	100	10000
NG25	AXL	AXL	80	10000
NG25	BIKE	BMP2K	79	10000
NG25	BLK	BLK	0.45	10000
NG25	BMPR1A	BMPR1A	100	10000
NG25	BMPR1B	BMPR1B	100	10000
NG25	BMPR2	BMPR2	100	10000
NG25	BMX	BMX	2.4	10000
NG25	BRAF	BRAF	9.1	10000
NG25	BRAF(V600E)	BRAF	4	10000
NG25	BRK	PTK6	28	10000
NG25	BRSK1	BRSK1	60	10000
NG25	BRSK2	BRSK2	90	10000
NG25	BTK	BTK	65	10000
NG25	CAMK1	CAMK1	0	10000

NG25	CAMK1D	CAMK1D	6.2	10000
NG25	CAMK1G	CAMK1G	20	10000
NG25	CAMK2A	CAMK2A	100	10000
NG25	CAMK2B	CAMK2B	100	10000
NG25	CAMK2D	CAMK2D	85	10000
NG25	CAMK2G	CAMK2G	91	10000
NG25	CAMK4	CAMK4	96	10000
NG25	CAMKK1	CAMKK1	64	10000
NG25	CAMKK2	CAMKK2	29	10000
NG25	CDC2L1	CDK11B	0.35	10000
NG25	CDC2L2	CDC2L2	0.05	10000
NG25	CDK11	CDK19	0.1	10000
NG25	CDK2	CDK2	11	10000
NG25	CDK3	CDK3	10	10000
NG25	CDK5	CDK5	19	10000
NG25	CDK7	CDK7	2.4	10000
NG25	CDK8	CDK8	3.9	10000
NG25	CDK9	CDK9	5.9	10000
NG25	CDKL2	CDKL2	0.9	10000
NG25	CHEK1	CHEK1	99	10000
NG25	CHEK2	CHEK2	70	10000
NG25	CIT	CIT	0.1	10000
NG25	CIT	CIT	0	10000
NG25	CLK1	CLK1	63	10000
NG25	CLK2	CLK2	100	10000
NG25	CLK3	CLK3	88	10000
NG25	CLK4	CLK4	44	10000
NG25	CSF1R	CSF1R	0	10000
NG25	CSK	CSK	0.45	10000
NG25	CSNK1A1L	CSNK1A1L	100	10000
NG25	CSNK1D	CSNK1D	100	10000
NG25	CSNK1E	CSNK1E	97	10000
NG25	CSNK1G1	CSNK1G1	85	10000
NG25	CSNK1G2	CSNK1G2	73	10000
NG25	CSNK1G3	CSNK1G3	92	10000
NG25	CSNK2A1	CSNK2A1	91	10000
NG25	CSNK2A2	CSNK2A2	95	10000
NG25	DAPK1	DAPK1	80	10000
NG25	DAPK2	DAPK2	100	10000
NG25	DAPK3	DAPK3	100	10000
NG25	DCAMKL1	DCLK1	100	10000
NG25	DCAMKL2	DCLK2	100	10000
NG25	DCAMKL3	DCLK3	72	10000
NG25	DDR1	DDR1	0.05	10000
NG25	DDR2	DDR2	5.1	10000
NG25	DLK	MAP3K12	75	10000
NG25	DMPK	DMPK	100	10000

NG25	DMPK2	CDC42BPG	79	10000
NG25	DRAK1	STK17A	81	10000
NG25	DRAK1	STK17A	80	10000
NG25	DRAK2	STK17B	100	10000
NG25	DRAK2	STK17B	100	10000
NG25	DYRK1B	DYRK1B	83	10000
NG25	EGFR	EGFR	5.6	10000
NG25	EGFR(E746-A750del)	EGFR	8.5	10000
NG25	EGFR(G719C)	EGFR	13	10000
NG25	EGFR(G719S)	EGFR	14	10000
NG25	EGFR(L747-E749del, A750P)	EGFR	1.5	10000
NG25	EGFR(L747-S752del, P753S)	EGFR	1.2	10000
NG25	EGFR(L747-T751del,Sins)	EGFR	1.1	10000
NG25	EGFR(L858R)	EGFR	14	10000
NG25	EGFR(L861Q)	EGFR	15	10000
NG25	EGFR(S752-I759del)	EGFR	4.6	10000
NG25	EPHA1	EPHA1	95	10000
NG25	EPHA2	EPHA2	3.1	10000
NG25	EPHA3	EPHA3	3.4	10000
NG25	EPHA4	EPHA4	5.8	10000
NG25	EPHA5	EPHA5	11	10000
NG25	EPHA6	EPHA6	43	10000
NG25	EPHA7	EPHA7	68	10000
NG25	EPHA8	EPHA8	0.1	10000
NG25	EPHB1	EPHB1	37	10000
NG25	EPHB2	EPHB2	11	10000
NG25	EPHB3	EPHB3	50	10000
NG25	EPHB4	EPHB4	52	10000
NG25	ERBB2	ERBB2	100	10000
NG25	ERBB2	ERBB2	96	10000
NG25	ERBB4	ERBB4	28	10000
NG25	ERK1	MAPK3	92	10000
NG25	ERK2	MAPK1	100	10000
NG25	ERK3	MAPK6	100	10000
NG25	ERK4	MAPK4	100	10000
NG25	ERK5	MAPK7	84	10000
NG25	ERK8	MAPK15	61	10000
NG25	FAK	PTK2	23	10000
NG25	FER	FER	0.5	10000
NG25	FES	FES	2.3	10000
NG25	FGFR1	FGFR1	1.7	10000
NG25	FGFR2	FGFR2	1.4	10000
NG25	FGFR3	FGFR3	9.4	10000
NG25	FGFR3(G697C)	FGFR3	16	10000
NG25	FGFR3(G697C)	FGFR3	17	10000
NG25	FGFR4	FGFR4	0.45	10000
NG25	FGR	FGR	1.3	10000

NG25	FLT1	FLT1	1.7	10000
NG25	FLT3	FLT3	0.15	10000
NG25	FLT3(D835H)	FLT3	1.3	10000
NG25	FLT3(D835Y)	FLT3	14	10000
NG25	FLT3(ITD)	FLT3	0.7	10000
NG25	FLT3(K663Q)	FLT3	0	10000
NG25	FLT3(N841I)	FLT3	0	10000
NG25	FLT4	FLT4	0.2	10000
NG25	FRK	FRK	0.7	10000
NG25	FYN	FYN	1.7	10000
NG25	GAK	GAK	31	10000
NG25	GCN2(Kin.Dom.2,S808G)	EIF2AK4	68	10000
NG25	GSK3A	GSK3A	38	10000
NG25	GSK3B	GSK3B	100	10000
NG25	HCK	HCK	0.4	10000
NG25	HIPK1	HIPK1	6.3	10000
NG25	HPK1	MAP4K1	1.6	10000
NG25	IGF1R	IGF1R	39	10000
NG25	IKK-alpha	CHUK	0.95	10000
NG25	IKK-beta	IKBKB	24	10000
NG25	IKK-epsilon	IKBKE	69	10000
NG25	INSR	INSR	30	10000
NG25	INSRR	INSRR	23	10000
NG25	IRAK3	IRAK3	79	10000
NG25	ITK	ITK	64	10000
NG25	JAK1(JH1domain-catalytic)	JAK1	11	10000
NG25	JAK1(JH2domain-pseudokinase)	JAK1	97	10000
NG25	JAK2(JH1domain-catalytic)	JAK2	11	10000
NG25	JAK3(JH1domain-catalytic)	JAK3	2.5	10000
NG25	JNK1	MAPK8	0	10000
NG25	JNK2	MAPK9	0	10000
NG25	JNK3	MAPK10	12	10000
NG25	KIT	KIT	0	10000
NG25	KIT(D816V)	KIT	10	10000
NG25	KIT(V559D)	KIT	0	10000
NG25	KIT(V559D,T670I)	KIT	0.05	10000
NG25	KIT(V559D,V654A)	KIT	2.7	10000
NG25	LATS1	LATS1	49	10000
NG25	LATS2	LATS2	13	10000
NG25	LCK	LCK	0.8	10000
NG25	LIMK1	LIMK1	80	10000
NG25	LIMK2	LIMK2	80	10000
NG25	LKB1	STK11	100	10000
NG25	LOK	STK10	0	10000
NG25	LTK	LTK	1.3	10000
NG25	LYN	LYN	0.75	10000
NG25	MAP3K3	MAP3K3	12	10000

NG25	MAP3K4	MAP3K4	83	10000
NG25	MAP4K2	MAP4K2	0.3	10000
NG25	MAP4K3	MAP4K3	18	10000
NG25	MAP4K4	MAP4K4	0	10000
NG25	MAP4K5	MAP4K5	11	10000
NG25	MAPKAPK2	MAPKAPK2	100	10000
NG25	MAPKAPK5	MAPKAPK5	91	10000
NG25	MARK1	MARK1	82	10000
NG25	MARK2	MARK2	100	10000
NG25	MARK3	MARK3	79	10000
NG25	MARK4	MARK4	78	10000
NG25	MEK1	MAP2K1	87	10000
NG25	MEK2	MAP2K2	92	10000
NG25	MEK3	MAP2K3	52	10000
NG25	MEK4	MAP2K4	46	10000
NG25	MEK6	MAP2K6	83	10000
NG25	MELK	MELK	70	10000
NG25	MERTK	MERTK	56	10000
NG25	MET	MET	74	10000
NG25	MINK	MINK1	91	10000
NG25	MKNK1	MKNK1	44	10000
NG25	MKNK2	MKNK2	4.3	10000
NG25	MLCK	MYLK3	97	10000
NG25	MLK1	MAP3K9	74	10000
NG25	MLK2	MAP3K10	89	10000
NG25	MLK3	MAP3K11	25	10000
NG25	MRCKA	CDC42BPA	100	10000
NG25	MRCKB	CDC42BPB	95	10000
NG25	MST1	STK4	64	10000
NG25	MST1R	MST1R	100	10000
NG25	MST2	STK3	77	10000
NG25	MST3	STK24	31	10000
NG25	MST4	MST4	38	10000
NG25	MUSK	MUSK	0.2	10000
NG25	MYLK	MYLK	77	10000
NG25	MYLK2	MYLK2	8.5	10000
NG25	MYLK4	MYLK4	85	10000
NG25	MYO3A	MYO3A	6.4	10000
NG25	MYO3B	MYO3B	4.8	10000
NG25	NDR2	STK38L	6.8	10000
NG25	NEK1	NEK1	83	10000
NG25	NEK2	NEK2	100	10000
NG25	NEK5	NEK5	57	10000
NG25	NEK6	NEK6	58	10000
NG25	NEK7	NEK7	91	10000
NG25	NEK9	NEK9	55	10000
NG25	NLK	NLK	14	10000

NG25	p38-alpha	MAPK14	0	10000
NG25	p38-beta	MAPK11	0	10000
NG25	p38-delta	MAPK13	0.55	10000
NG25	p38-gamma	MAPK12	0	10000
NG25	PAK1	PAK1	100	10000
NG25	PAK2	PAK2	93	10000
NG25	PAK3	PAK3	67	10000
NG25	PAK4	PAK4	92	10000
NG25	PAK6	PAK6	76	10000
NG25	PAK7	PAK7	100	10000
NG25	PCK1	CDK16	11	10000
NG25	PCK2	CDK17	0.1	10000
NG25	PCK3	CDK18	1.9	10000
NG25	PDGFRA	PDGFRA	0.6	10000
NG25	PDGFRB	PDGFRB	0	10000
NG25	PDPK1	PDPK1	100	10000
NG25	PFTAIRE2	CDK15	6	10000
NG25	PFTK1	CDK14	0.4	10000
NG25	PHKG1	PHKG1	77	10000
NG25	PHKG2	PHKG2	100	10000
NG25	PIK3C2B	PIK3C2B	100	10000
NG25	PIK3CA	PIK3CA	97	10000
NG25	PIK3CA(E545K)	PIK3CA	76	10000
NG25	PIK3CB	PIK3CB	84	10000
NG25	PIK3CD	PIK3CD	92	10000
NG25	PIK3CG	PIK3CG	51	10000
NG25	PIM1	PIM1	82	10000
NG25	PIM2	PIM2	99	10000
NG25	PIM3	PIM3	80	10000
NG25	PIP5K1A	PIP5K1A	61	10000
NG25	PIP5K2B	PIP4K2B	58	10000
NG25	PKAC-alpha	PRKACA	25	10000
NG25	PKAC-beta	PRKACB	14	10000
NG25	PKMYT1	PKMYT1	92	10000
NG25	PKMYT1	PKMYT1	93	10000
NG25	PKN1	PKN1	78	10000
NG25	PKN2	PKN2	80	10000
NG25	PLK1	PLK1	85	10000
NG25	PLK3	PLK3	51	10000
NG25	PLK3	PLK3	65	10000
NG25	PLK4	PLK4	71	10000
NG25	PRKCD	PRKCD	38	10000
NG25	PRKCD	PRKCD	41	10000
NG25	PRKCE	PRKCE	20	10000
NG25	PRKCH	PRKCH	26	10000
NG25	PRKCQ	PRKCQ	68	10000
NG25	PRKD1	PRKD1	41	10000

NG25	PRKD2	PRKD2	29	10000
NG25	PRKD3	PRKD3	62	10000
NG25	PRKG1	PRKG1	78	10000
NG25	PRKG2	PRKG2	63	10000
NG25	PRKR	EIF2AK2	39	10000
NG25	PRKX	PRKX	74	10000
NG25	PYK2	PTK2B	2.1	10000
NG25	RAF1	RAF1	7.1	10000
NG25	RET	RET	0	10000
NG25	RET(M918T)	RET	0	10000
NG25	RET(V804L)	RET	0.8	10000
NG25	RET(V804M)	RET	1	10000
NG25	RIOK1	RIOK1	100	10000
NG25	RIOK2	RIOK2	77	10000
NG25	RIOK3	RIOK3	88	10000
NG25	RIPK1	RIPK1	0	10000
NG25	RIPK2	RIPK2	9.8	10000
NG25	RIPK4	RIPK4	100	10000
NG25	ROCK2	ROCK2	56	10000
NG25	ROS1	ROS1	50	10000
NG25	RPS6KA4(Kin.Dom.1-N-terminal)	RPS6KA4	3.3	10000
NG25	RPS6KA4(Kin.Dom.2-C-terminal)	RPS6KA4	83	10000
NG25	RPS6KA5(Kin.Dom.1-N-terminal)	RPS6KA5	4.7	10000
NG25	RPS6KA5(Kin.Dom.2-C-terminal)	RPS6KA5	82	10000
NG25	RSK1(Kin.Dom.1-N-terminal)	RPS6KA1	89	10000
NG25	RSK1(Kin.Dom.2-C-terminal)	RPS6KA1	58	10000
NG25	RSK2(Kin.Dom.1-N-terminal)	RPS6KA3	100	10000
NG25	RSK3(Kin.Dom.1-N-terminal)	RPS6KA2	96	10000
NG25	RSK3(Kin.Dom.2-C-terminal)	RPS6KA2	47	10000
NG25	RSK4(Kin.Dom.1-N-terminal)	RPS6KA6	94	10000
NG25	RSK4(Kin.Dom.2-C-terminal)	RPS6KA6	51	10000
NG25	SgK110	SgK110	64	10000
NG25	SIK	SIK1	5.3	10000
NG25	SIK2	SIK2	56	10000
NG25	SLK	SLK	2	10000
NG25	SNARK	NUAK2	98	10000
NG25	SRC	SRC	0.2	10000
NG25	SRMS	SRMS	4.7	10000
NG25	SRPK1	SRPK1	100	10000
NG25	SRPK2	SRPK2	82	10000
NG25	SRPK3	SRPK3	75	10000
NG25	STK16	STK16	100	10000
NG25	STK33	STK33	46	10000
NG25	STK35	STK35	3	10000
NG25	STK36	STK36	0.2	10000
NG25	SYK	SYK	6.3	10000
NG25	TAK1	MAP3K7	0.15	10000

NG25	TAOK1	TAOK1	3.1	10000
NG25	TAOK3	TAOK3	0.15	10000
NG25	TEC	TEC	61	10000
NG25	TESK1	TESK1	100	10000
NG25	TGFBR1	TGFBR1	100	10000
NG25	TGFBR2	TGFBR2	60	10000
NG25	TGFBR2	TGFBR2	52	10000
NG25	TIE1	TIE1	0.95	10000
NG25	TIE2	TEK	0	10000
NG25	TLK1	TLK1	78	10000
NG25	TLK2	TLK2	85	10000
NG25	TNIK	TNIK	8.2	10000
NG25	TNK1	TNK1	0.35	10000
NG25	TNK2	TNK2	46	10000
NG25	TNNI3K	TNNI3K	4.8	10000
NG25	TRKA	NTRK1	27	10000
NG25	TRKB	NTRK2	9.6	10000
NG25	TRKC	NTRK3	3.8	10000
NG25	TRKC	NTRK3	6.1	10000
NG25	TSSK1B	TSSK1B	54	10000
NG25	TTK	TTK	24	10000
NG25	TXK	TXK	12	10000
NG25	TYK2(JH1domain-catalytic)	TYK2	0	10000
NG25	TYK2(JH2domain-pseudokinase)	TYK2	93	10000
NG25	TYRO3	TYRO3	87	10000
NG25	ULK1	ULK1	66	10000
NG25	ULK2	ULK2	80	10000
NG25	ULK3	ULK3	0.1	10000
NG25	VEGFR2	KDR	1.5	10000
NG25	WEE1	WEE1	100	10000
NG25	WEE2	WEE2	100	10000
NG25	YANK2	STK32B	69	10000
NG25	YANK3	STK32C	79	10000
NG25	YES	YES1	1.6	10000
NG25	YSK1	STK25	41	10000
NG25	ZAK	ZAK	0.35	10000
NG25	ZAP70	ZAP70	9.8	10000