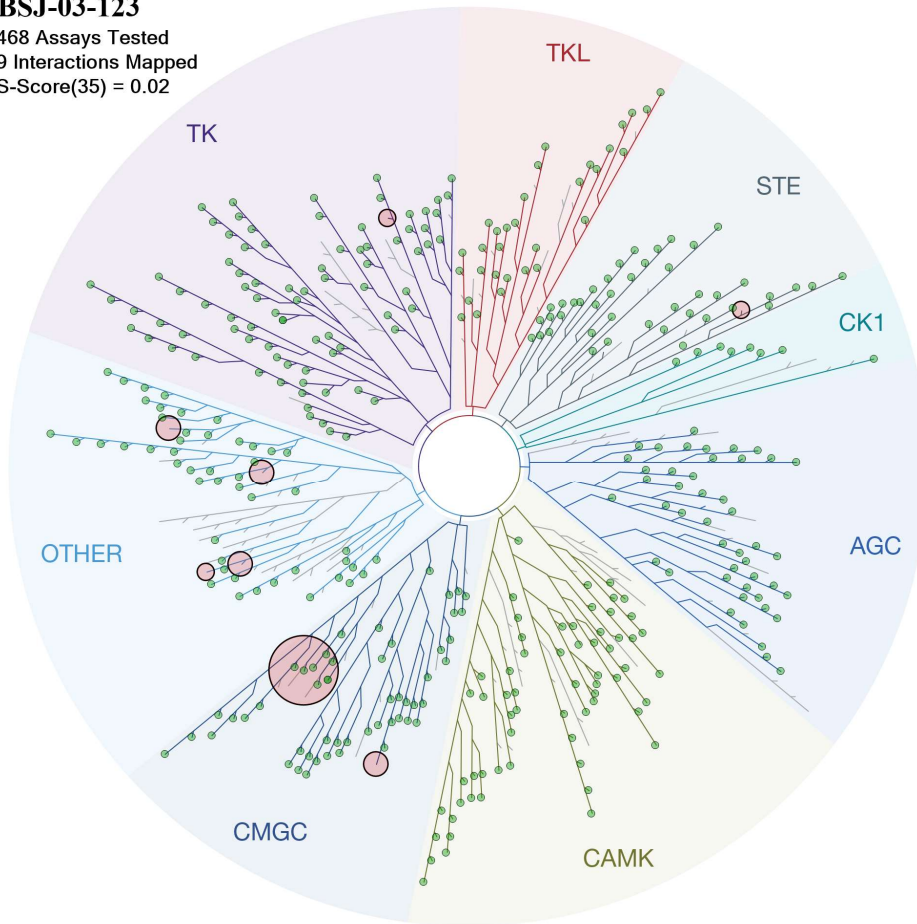


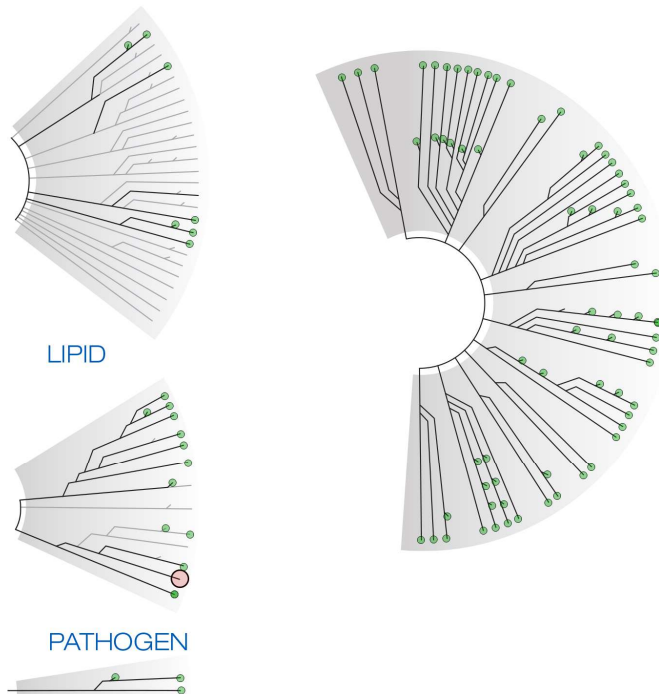
BSJ-03-123

468 Assays Tested
9 Interactions Mapped
S-Score(35) = 0.02



ATYPICAL

MUTANT



| Compound Name | DiscoverX Gene Symbol | Entrez Gene Symbol | Percent Control | Compound Concentration (nM) |
|---------------|-------------------------------|--------------------|-----------------|-----------------------------|
| BSJ-03-123 | AAK1 | AAK1 | 94 | 1000 |
| BSJ-03-123 | ABL1(E255K)-phosphorylated | ABL1 | 79 | 1000 |
| BSJ-03-123 | ABL1(F317I)-nonphosphorylated | ABL1 | 89 | 1000 |
| BSJ-03-123 | ABL1(F317I)-phosphorylated | ABL1 | 98 | 1000 |
| BSJ-03-123 | ABL1(F317L)-nonphosphorylated | ABL1 | 86 | 1000 |
| BSJ-03-123 | ABL1(F317L)-phosphorylated | ABL1 | 89 | 1000 |
| BSJ-03-123 | ABL1(H396P)-nonphosphorylated | ABL1 | 76 | 1000 |
| BSJ-03-123 | ABL1(H396P)-phosphorylated | ABL1 | 90 | 1000 |
| BSJ-03-123 | ABL1(M351T)-phosphorylated | ABL1 | 100 | 1000 |
| BSJ-03-123 | ABL1(Q252H)-nonphosphorylated | ABL1 | 56 | 1000 |
| BSJ-03-123 | ABL1(Q252H)-phosphorylated | ABL1 | 97 | 1000 |
| BSJ-03-123 | ABL1(T315I)-nonphosphorylated | ABL1 | 100 | 1000 |
| BSJ-03-123 | ABL1(T315I)-phosphorylated | ABL1 | 85 | 1000 |
| BSJ-03-123 | ABL1(Y253F)-phosphorylated | ABL1 | 100 | 1000 |
| BSJ-03-123 | ABL1-nonphosphorylated | ABL1 | 60 | 1000 |
| BSJ-03-123 | ABL1-phosphorylated | ABL1 | 79 | 1000 |
| BSJ-03-123 | ABL2 | ABL2 | 89 | 1000 |
| BSJ-03-123 | ACVR1 | ACVR1 | 100 | 1000 |
| BSJ-03-123 | ACVR1B | ACVR1B | 95 | 1000 |
| BSJ-03-123 | ACVR2A | ACVR2A | 100 | 1000 |
| BSJ-03-123 | ACVR2B | ACVR2B | 96 | 1000 |
| BSJ-03-123 | ACVRL1 | ACVRL1 | 84 | 1000 |
| BSJ-03-123 | ADCK3 | CABC1 | 90 | 1000 |
| BSJ-03-123 | ADCK4 | ADCK4 | 91 | 1000 |
| BSJ-03-123 | AKT1 | AKT1 | 100 | 1000 |
| BSJ-03-123 | AKT2 | AKT2 | 98 | 1000 |
| BSJ-03-123 | AKT3 | AKT3 | 100 | 1000 |
| BSJ-03-123 | ALK | ALK | 100 | 1000 |
| BSJ-03-123 | ALK(C1156Y) | ALK | 78 | 1000 |
| BSJ-03-123 | ALK(L1196M) | ALK | 100 | 1000 |
| BSJ-03-123 | AMPK-alpha1 | PRKAA1 | 93 | 1000 |
| BSJ-03-123 | AMPK-alpha2 | PRKAA2 | 100 | 1000 |
| BSJ-03-123 | ANKK1 | ANKK1 | 89 | 1000 |
| BSJ-03-123 | ARK5 | NUAK1 | 98 | 1000 |
| BSJ-03-123 | ASK1 | MAP3K5 | 100 | 1000 |
| BSJ-03-123 | ASK2 | MAP3K6 | 92 | 1000 |
| BSJ-03-123 | AURKA | AURKA | 77 | 1000 |
| BSJ-03-123 | AURKB | AURKB | 85 | 1000 |
| BSJ-03-123 | AURKC | AURKC | 96 | 1000 |
| BSJ-03-123 | AXL | AXL | 80 | 1000 |
| BSJ-03-123 | BIKE | BMP2K | 87 | 1000 |
| BSJ-03-123 | BLK | BLK | 98 | 1000 |
| BSJ-03-123 | BMPR1A | BMPR1A | 100 | 1000 |
| BSJ-03-123 | BMPR1B | BMPR1B | 84 | 1000 |
| BSJ-03-123 | BMPR2 | BMPR2 | 61 | 1000 |

| | | | | |
|------------|---------------------|--------|-----|------|
| BSJ-03-123 | BMX | BMX | 90 | 1000 |
| BSJ-03-123 | BRAF | BRAF | 93 | 1000 |
| BSJ-03-123 | BRAF(V600E) | BRAF | 96 | 1000 |
| BSJ-03-123 | BRK | PTK6 | 89 | 1000 |
| BSJ-03-123 | BRSK1 | BRSK1 | 100 | 1000 |
| BSJ-03-123 | BRSK2 | BRSK2 | 100 | 1000 |
| BSJ-03-123 | BTK | BTK | 100 | 1000 |
| BSJ-03-123 | BUB1 | BUB1 | 81 | 1000 |
| BSJ-03-123 | CAMK1 | CAMK1 | 90 | 1000 |
| BSJ-03-123 | CAMK1B | PNCK | 100 | 1000 |
| BSJ-03-123 | CAMK1D | CAMK1D | 98 | 1000 |
| BSJ-03-123 | CAMK1G | CAMK1G | 100 | 1000 |
| BSJ-03-123 | CAMK2A | CAMK2A | 79 | 1000 |
| BSJ-03-123 | CAMK2B | CAMK2B | 93 | 1000 |
| BSJ-03-123 | CAMK2D | CAMK2D | 99 | 1000 |
| BSJ-03-123 | CAMK2G | CAMK2G | 100 | 1000 |
| BSJ-03-123 | CAMK4 | CAMK4 | 89 | 1000 |
| BSJ-03-123 | CAMKK1 | CAMKK1 | 100 | 1000 |
| BSJ-03-123 | CAMKK2 | CAMKK2 | 99 | 1000 |
| BSJ-03-123 | CASK | CASK | 88 | 1000 |
| BSJ-03-123 | CDC2L1 | CDK11B | 100 | 1000 |
| BSJ-03-123 | CDC2L2 | CDC2L2 | 86 | 1000 |
| BSJ-03-123 | CDC2L5 | CDK13 | 96 | 1000 |
| BSJ-03-123 | CDK11 | CDK19 | 100 | 1000 |
| BSJ-03-123 | CDK2 | CDK2 | 95 | 1000 |
| BSJ-03-123 | CDK3 | CDK3 | 100 | 1000 |
| BSJ-03-123 | CDK4 | CDK4 | 49 | 1000 |
| BSJ-03-123 | CDK4-cyclinD1 | CDK4 | 0 | 1000 |
| BSJ-03-123 | CDK4-cyclinD3 | CDK4 | 1.4 | 1000 |
| BSJ-03-123 | CDK5 | CDK5 | 91 | 1000 |
| BSJ-03-123 | CDK7 | CDK7 | 75 | 1000 |
| BSJ-03-123 | CDK8 | CDK8 | 93 | 1000 |
| BSJ-03-123 | CDK9 | CDK9 | 91 | 1000 |
| BSJ-03-123 | CDKL1 | CDKL1 | 67 | 1000 |
| BSJ-03-123 | CDKL2 | CDKL2 | 90 | 1000 |
| BSJ-03-123 | CDKL3 | CDKL3 | 100 | 1000 |
| BSJ-03-123 | CDKL5 | CDKL5 | 80 | 1000 |
| BSJ-03-123 | CHEK1 | CHEK1 | 100 | 1000 |
| BSJ-03-123 | CHEK2 | CHEK2 | 100 | 1000 |
| BSJ-03-123 | CIT | CIT | 80 | 1000 |
| BSJ-03-123 | CLK1 | CLK1 | 52 | 1000 |
| BSJ-03-123 | CLK2 | CLK2 | 43 | 1000 |
| BSJ-03-123 | CLK3 | CLK3 | 55 | 1000 |
| BSJ-03-123 | CLK4 | CLK4 | 77 | 1000 |
| BSJ-03-123 | CSF1R | CSF1R | 100 | 1000 |
| BSJ-03-123 | CSF1R-autoinhibited | CSF1R | 59 | 1000 |
| BSJ-03-123 | CSK | CSK | 92 | 1000 |

| | | | | |
|------------|---------------------------|----------|-----|------|
| BSJ-03-123 | CSNK1A1 | CSNK1A1 | 67 | 1000 |
| BSJ-03-123 | CSNK1A1L | CSNK1A1L | 86 | 1000 |
| BSJ-03-123 | CSNK1D | CSNK1D | 94 | 1000 |
| BSJ-03-123 | CSNK1E | CSNK1E | 75 | 1000 |
| BSJ-03-123 | CSNK1G1 | CSNK1G1 | 88 | 1000 |
| BSJ-03-123 | CSNK1G2 | CSNK1G2 | 100 | 1000 |
| BSJ-03-123 | CSNK1G3 | CSNK1G3 | 79 | 1000 |
| BSJ-03-123 | CSNK2A1 | CSNK2A1 | 50 | 1000 |
| BSJ-03-123 | CSNK2A2 | CSNK2A2 | 18 | 1000 |
| BSJ-03-123 | CTK | MATK | 77 | 1000 |
| BSJ-03-123 | DAPK1 | DAPK1 | 72 | 1000 |
| BSJ-03-123 | DAPK2 | DAPK2 | 71 | 1000 |
| BSJ-03-123 | DAPK3 | DAPK3 | 69 | 1000 |
| BSJ-03-123 | DCAMKL1 | DCLK1 | 70 | 1000 |
| BSJ-03-123 | DCAMKL2 | DCLK2 | 72 | 1000 |
| BSJ-03-123 | DCAMKL3 | DCLK3 | 58 | 1000 |
| BSJ-03-123 | DDR1 | DDR1 | 98 | 1000 |
| BSJ-03-123 | DDR2 | DDR2 | 85 | 1000 |
| BSJ-03-123 | DLK | MAP3K12 | 88 | 1000 |
| BSJ-03-123 | DMPK | DMPK | 100 | 1000 |
| BSJ-03-123 | DMPK2 | CDC42BPG | 98 | 1000 |
| BSJ-03-123 | DRAK1 | STK17A | 100 | 1000 |
| BSJ-03-123 | DRAK2 | STK17B | 100 | 1000 |
| BSJ-03-123 | DYRK1A | DYRK1A | 44 | 1000 |
| BSJ-03-123 | DYRK1B | DYRK1B | 56 | 1000 |
| BSJ-03-123 | DYRK2 | DYRK2 | 69 | 1000 |
| BSJ-03-123 | EGFR | EGFR | 100 | 1000 |
| BSJ-03-123 | EGFR(E746-A750del) | EGFR | 85 | 1000 |
| BSJ-03-123 | EGFR(G719C) | EGFR | 100 | 1000 |
| BSJ-03-123 | EGFR(G719S) | EGFR | 100 | 1000 |
| BSJ-03-123 | EGFR(L747-E749del, A750P) | EGFR | 94 | 1000 |
| BSJ-03-123 | EGFR(L747-S752del, P753S) | EGFR | 76 | 1000 |
| BSJ-03-123 | EGFR(L747-T751del,Sins) | EGFR | 92 | 1000 |
| BSJ-03-123 | EGFR(L858R) | EGFR | 80 | 1000 |
| BSJ-03-123 | EGFR(L858R,T790M) | EGFR | 97 | 1000 |
| BSJ-03-123 | EGFR(L861Q) | EGFR | 100 | 1000 |
| BSJ-03-123 | EGFR(S752-I759del) | EGFR | 49 | 1000 |
| BSJ-03-123 | EGFR(T790M) | EGFR | 100 | 1000 |
| BSJ-03-123 | EIF2AK1 | EIF2AK1 | 81 | 1000 |
| BSJ-03-123 | EPHA1 | EPHA1 | 100 | 1000 |
| BSJ-03-123 | EPHA2 | EPHA2 | 100 | 1000 |
| BSJ-03-123 | EPHA3 | EPHA3 | 98 | 1000 |
| BSJ-03-123 | EPHA4 | EPHA4 | 85 | 1000 |
| BSJ-03-123 | EPHA5 | EPHA5 | 97 | 1000 |
| BSJ-03-123 | EPHA6 | EPHA6 | 87 | 1000 |
| BSJ-03-123 | EPHA7 | EPHA7 | 80 | 1000 |
| BSJ-03-123 | EPHA8 | EPHA8 | 79 | 1000 |

| | | | | |
|------------|-----------------------|---------|-----|------|
| BSJ-03-123 | EPHB1 | EPHB1 | 100 | 1000 |
| BSJ-03-123 | EPHB2 | EPHB2 | 99 | 1000 |
| BSJ-03-123 | EPHB3 | EPHB3 | 84 | 1000 |
| BSJ-03-123 | EPHB4 | EPHB4 | 94 | 1000 |
| BSJ-03-123 | EPHB6 | EPHB6 | 81 | 1000 |
| BSJ-03-123 | ERBB2 | ERBB2 | 82 | 1000 |
| BSJ-03-123 | ERBB3 | ERBB3 | 85 | 1000 |
| BSJ-03-123 | ERBB4 | ERBB4 | 100 | 1000 |
| BSJ-03-123 | ERK1 | MAPK3 | 100 | 1000 |
| BSJ-03-123 | ERK2 | MAPK1 | 87 | 1000 |
| BSJ-03-123 | ERK3 | MAPK6 | 92 | 1000 |
| BSJ-03-123 | ERK4 | MAPK4 | 100 | 1000 |
| BSJ-03-123 | ERK5 | MAPK7 | 86 | 1000 |
| BSJ-03-123 | ERK8 | MAPK15 | 85 | 1000 |
| BSJ-03-123 | ERN1 | ERN1 | 56 | 1000 |
| BSJ-03-123 | FAK | PTK2 | 70 | 1000 |
| BSJ-03-123 | FER | FER | 87 | 1000 |
| BSJ-03-123 | FES | FES | 98 | 1000 |
| BSJ-03-123 | FGFR1 | FGFR1 | 100 | 1000 |
| BSJ-03-123 | FGFR2 | FGFR2 | 100 | 1000 |
| BSJ-03-123 | FGFR3 | FGFR3 | 96 | 1000 |
| BSJ-03-123 | FGFR3(G697C) | FGFR3 | 100 | 1000 |
| BSJ-03-123 | FGFR4 | FGFR4 | 98 | 1000 |
| BSJ-03-123 | FGR | FGR | 90 | 1000 |
| BSJ-03-123 | FLT1 | FLT1 | 98 | 1000 |
| BSJ-03-123 | FLT3 | FLT3 | 86 | 1000 |
| BSJ-03-123 | FLT3(D835H) | FLT3 | 77 | 1000 |
| BSJ-03-123 | FLT3(D835V) | FLT3 | 48 | 1000 |
| BSJ-03-123 | FLT3(D835Y) | FLT3 | 90 | 1000 |
| BSJ-03-123 | FLT3(ITD) | FLT3 | 94 | 1000 |
| BSJ-03-123 | FLT3(ITD,D835V) | FLT3 | 40 | 1000 |
| BSJ-03-123 | FLT3(ITD,F691L) | FLT3 | 66 | 1000 |
| BSJ-03-123 | FLT3(K663Q) | FLT3 | 92 | 1000 |
| BSJ-03-123 | FLT3(N841I) | FLT3 | 86 | 1000 |
| BSJ-03-123 | FLT3(R834Q) | FLT3 | 95 | 1000 |
| BSJ-03-123 | FLT3-autoinhibited | FLT3 | 92 | 1000 |
| BSJ-03-123 | FLT4 | FLT4 | 94 | 1000 |
| BSJ-03-123 | FRK | FRK | 88 | 1000 |
| BSJ-03-123 | FYN | FYN | 90 | 1000 |
| BSJ-03-123 | GAK | GAK | 76 | 1000 |
| BSJ-03-123 | GCN2(Kin.Dom.2,S808G) | EIF2AK4 | 38 | 1000 |
| BSJ-03-123 | GRK1 | GRK1 | 68 | 1000 |
| BSJ-03-123 | GRK2 | ADRBK1 | 72 | 1000 |
| BSJ-03-123 | GRK3 | ADRBK2 | 88 | 1000 |
| BSJ-03-123 | GRK4 | GRK4 | 77 | 1000 |
| BSJ-03-123 | GRK7 | GRK7 | 84 | 1000 |
| BSJ-03-123 | GSK3A | GSK3A | 97 | 1000 |

| | | | | |
|------------|------------------------------|--------|-----|------|
| BSJ-03-123 | GSK3B | GSK3B | 66 | 1000 |
| BSJ-03-123 | HASPIN | GSG2 | 80 | 1000 |
| BSJ-03-123 | HCK | HCK | 91 | 1000 |
| BSJ-03-123 | HIPK1 | HIPK1 | 43 | 1000 |
| BSJ-03-123 | HIPK2 | HIPK2 | 7.3 | 1000 |
| BSJ-03-123 | HIPK3 | HIPK3 | 39 | 1000 |
| BSJ-03-123 | HIPK4 | HIPK4 | 90 | 1000 |
| BSJ-03-123 | HPK1 | MAP4K1 | 87 | 1000 |
| BSJ-03-123 | HUNK | HUNK | 99 | 1000 |
| BSJ-03-123 | ICK | ICK | 76 | 1000 |
| BSJ-03-123 | IGF1R | IGF1R | 100 | 1000 |
| BSJ-03-123 | IKK-alpha | CHUK | 74 | 1000 |
| BSJ-03-123 | IKK-beta | IKBKB | 87 | 1000 |
| BSJ-03-123 | IKK-epsilon | IKBKE | 78 | 1000 |
| BSJ-03-123 | INSR | INSR | 100 | 1000 |
| BSJ-03-123 | INSRR | INSRR | 100 | 1000 |
| BSJ-03-123 | IRAK1 | IRAK1 | 80 | 1000 |
| BSJ-03-123 | IRAK3 | IRAK3 | 98 | 1000 |
| BSJ-03-123 | IRAK4 | IRAK4 | 100 | 1000 |
| BSJ-03-123 | ITK | ITK | 99 | 1000 |
| BSJ-03-123 | JAK1(JH1domain-catalytic) | JAK1 | 94 | 1000 |
| BSJ-03-123 | JAK1(JH2domain-pseudokinase) | JAK1 | 69 | 1000 |
| BSJ-03-123 | JAK2(JH1domain-catalytic) | JAK2 | 58 | 1000 |
| BSJ-03-123 | JAK3(JH1domain-catalytic) | JAK3 | 80 | 1000 |
| BSJ-03-123 | JNK1 | MAPK8 | 49 | 1000 |
| BSJ-03-123 | JNK2 | MAPK9 | 43 | 1000 |
| BSJ-03-123 | JNK3 | MAPK10 | 38 | 1000 |
| BSJ-03-123 | KIT | KIT | 90 | 1000 |
| BSJ-03-123 | KIT(A829P) | KIT | 73 | 1000 |
| BSJ-03-123 | KIT(D816H) | KIT | 67 | 1000 |
| BSJ-03-123 | KIT(D816V) | KIT | 100 | 1000 |
| BSJ-03-123 | KIT(L576P) | KIT | 64 | 1000 |
| BSJ-03-123 | KIT(V559D) | KIT | 75 | 1000 |
| BSJ-03-123 | KIT(V559D,T670I) | KIT | 100 | 1000 |
| BSJ-03-123 | KIT(V559D,V654A) | KIT | 100 | 1000 |
| BSJ-03-123 | KIT-autoinhibited | KIT | 71 | 1000 |
| BSJ-03-123 | LATS1 | LATS1 | 92 | 1000 |
| BSJ-03-123 | LATS2 | LATS2 | 100 | 1000 |
| BSJ-03-123 | LCK | LCK | 100 | 1000 |
| BSJ-03-123 | LIMK1 | LIMK1 | 100 | 1000 |
| BSJ-03-123 | LIMK2 | LIMK2 | 87 | 1000 |
| BSJ-03-123 | LKB1 | STK11 | 73 | 1000 |
| BSJ-03-123 | LOK | STK10 | 94 | 1000 |
| BSJ-03-123 | LRRK2 | LRRK2 | 72 | 1000 |
| BSJ-03-123 | LRRK2(G2019S) | LRRK2 | 85 | 1000 |
| BSJ-03-123 | LTK | LTK | 92 | 1000 |
| BSJ-03-123 | LYN | LYN | 86 | 1000 |

| | | | | |
|------------|-------------|----------|-----|------|
| BSJ-03-123 | LZK | MAP3K13 | 85 | 1000 |
| BSJ-03-123 | MAK | MAK | 83 | 1000 |
| BSJ-03-123 | MAP3K1 | MAP3K1 | 44 | 1000 |
| BSJ-03-123 | MAP3K15 | MAP3K15 | 78 | 1000 |
| BSJ-03-123 | MAP3K2 | MAP3K2 | 75 | 1000 |
| BSJ-03-123 | MAP3K3 | MAP3K3 | 86 | 1000 |
| BSJ-03-123 | MAP3K4 | MAP3K4 | 100 | 1000 |
| BSJ-03-123 | MAP4K2 | MAP4K2 | 86 | 1000 |
| BSJ-03-123 | MAP4K3 | MAP4K3 | 99 | 1000 |
| BSJ-03-123 | MAP4K4 | MAP4K4 | 99 | 1000 |
| BSJ-03-123 | MAP4K5 | MAP4K5 | 100 | 1000 |
| BSJ-03-123 | MAPKAPK2 | MAPKAPK2 | 100 | 1000 |
| BSJ-03-123 | MAPKAPK5 | MAPKAPK5 | 99 | 1000 |
| BSJ-03-123 | MARK1 | MARK1 | 100 | 1000 |
| BSJ-03-123 | MARK2 | MARK2 | 100 | 1000 |
| BSJ-03-123 | MARK3 | MARK3 | 100 | 1000 |
| BSJ-03-123 | MARK4 | MARK4 | 100 | 1000 |
| BSJ-03-123 | MAST1 | MAST1 | 100 | 1000 |
| BSJ-03-123 | MEK1 | MAP2K1 | 75 | 1000 |
| BSJ-03-123 | MEK2 | MAP2K2 | 79 | 1000 |
| BSJ-03-123 | MEK3 | MAP2K3 | 97 | 1000 |
| BSJ-03-123 | MEK4 | MAP2K4 | 57 | 1000 |
| BSJ-03-123 | MEK5 | MAP2K5 | 57 | 1000 |
| BSJ-03-123 | MEK6 | MAP2K6 | 90 | 1000 |
| BSJ-03-123 | MELK | MELK | 88 | 1000 |
| BSJ-03-123 | MERTK | MERTK | 79 | 1000 |
| BSJ-03-123 | MET | MET | 100 | 1000 |
| BSJ-03-123 | MET(M1250T) | MET | 92 | 1000 |
| BSJ-03-123 | MET(Y1235D) | MET | 87 | 1000 |
| BSJ-03-123 | MINK | MINK1 | 81 | 1000 |
| BSJ-03-123 | MKK7 | MAP2K7 | 80 | 1000 |
| BSJ-03-123 | MKNK1 | MKNK1 | 65 | 1000 |
| BSJ-03-123 | MKNK2 | MKNK2 | 92 | 1000 |
| BSJ-03-123 | MLCK | MYLK3 | 98 | 1000 |
| BSJ-03-123 | MLK1 | MAP3K9 | 100 | 1000 |
| BSJ-03-123 | MLK2 | MAP3K10 | 100 | 1000 |
| BSJ-03-123 | MLK3 | MAP3K11 | 98 | 1000 |
| BSJ-03-123 | MRCKA | CDC42BPA | 91 | 1000 |
| BSJ-03-123 | MRCKB | CDC42BPB | 100 | 1000 |
| BSJ-03-123 | MST1 | STK4 | 81 | 1000 |
| BSJ-03-123 | MST1R | MST1R | 97 | 1000 |
| BSJ-03-123 | MST2 | STK3 | 82 | 1000 |
| BSJ-03-123 | MST3 | STK24 | 92 | 1000 |
| BSJ-03-123 | MST4 | MST4 | 88 | 1000 |
| BSJ-03-123 | MTOR | MTOR | 80 | 1000 |
| BSJ-03-123 | MUSK | MUSK | 100 | 1000 |
| BSJ-03-123 | MYLK | MYLK | 66 | 1000 |

| | | | | |
|------------|-----------------------|-------------|-----|------|
| BSJ-03-123 | MYLK2 | MYLK2 | 100 | 1000 |
| BSJ-03-123 | MYLK4 | MYLK4 | 100 | 1000 |
| BSJ-03-123 | MYO3A | MYO3A | 91 | 1000 |
| BSJ-03-123 | MYO3B | MYO3B | 93 | 1000 |
| BSJ-03-123 | NDR1 | STK38 | 70 | 1000 |
| BSJ-03-123 | NDR2 | STK38L | 77 | 1000 |
| BSJ-03-123 | NEK1 | NEK1 | 91 | 1000 |
| BSJ-03-123 | NEK10 | NEK10 | 89 | 1000 |
| BSJ-03-123 | NEK11 | NEK11 | 100 | 1000 |
| BSJ-03-123 | NEK2 | NEK2 | 62 | 1000 |
| BSJ-03-123 | NEK3 | NEK3 | 42 | 1000 |
| BSJ-03-123 | NEK4 | NEK4 | 88 | 1000 |
| BSJ-03-123 | NEK5 | NEK5 | 94 | 1000 |
| BSJ-03-123 | NEK6 | NEK6 | 93 | 1000 |
| BSJ-03-123 | NEK7 | NEK7 | 89 | 1000 |
| BSJ-03-123 | NEK9 | NEK9 | 84 | 1000 |
| BSJ-03-123 | NIK | MAP3K14 | 100 | 1000 |
| BSJ-03-123 | NIM1 | MGC42105 | 80 | 1000 |
| BSJ-03-123 | NLK | NLK | 100 | 1000 |
| BSJ-03-123 | OSR1 | OXSRI | 91 | 1000 |
| BSJ-03-123 | p38-alpha | MAPK14 | 95 | 1000 |
| BSJ-03-123 | p38-beta | MAPK11 | 100 | 1000 |
| BSJ-03-123 | p38-delta | MAPK13 | 84 | 1000 |
| BSJ-03-123 | p38-gamma | MAPK12 | 96 | 1000 |
| BSJ-03-123 | PAK1 | PAK1 | 96 | 1000 |
| BSJ-03-123 | PAK2 | PAK2 | 65 | 1000 |
| BSJ-03-123 | PAK3 | PAK3 | 96 | 1000 |
| BSJ-03-123 | PAK4 | PAK4 | 100 | 1000 |
| BSJ-03-123 | PAK6 | PAK6 | 100 | 1000 |
| BSJ-03-123 | PAK7 | PAK7 | 88 | 1000 |
| BSJ-03-123 | PCTK1 | CDK16 | 75 | 1000 |
| BSJ-03-123 | PCTK2 | CDK17 | 94 | 1000 |
| BSJ-03-123 | PCTK3 | CDK18 | 93 | 1000 |
| BSJ-03-123 | PDGFRA | PDGFRA | 100 | 1000 |
| BSJ-03-123 | PDGFRB | PDGFRB | 63 | 1000 |
| BSJ-03-123 | PDPK1 | PDPK1 | 100 | 1000 |
| BSJ-03-123 | PFCDPK1(P.falciparum) | CDPK1 | 76 | 1000 |
| BSJ-03-123 | PFPK5(P.falciparum) | MAL13P1.279 | 68 | 1000 |
| BSJ-03-123 | PFTAIRE2 | CDK15 | 81 | 1000 |
| BSJ-03-123 | PFTK1 | CDK14 | 92 | 1000 |
| BSJ-03-123 | PHKG1 | PHKG1 | 87 | 1000 |
| BSJ-03-123 | PHKG2 | PHKG2 | 97 | 1000 |
| BSJ-03-123 | PIK3C2B | PIK3C2B | 98 | 1000 |
| BSJ-03-123 | PIK3C2G | PIK3C2G | 77 | 1000 |
| BSJ-03-123 | PIK3CA | PIK3CA | 100 | 1000 |
| BSJ-03-123 | PIK3CA(C420R) | PIK3CA | 87 | 1000 |
| BSJ-03-123 | PIK3CA(E542K) | PIK3CA | 85 | 1000 |

| | | | | |
|------------|----------------------|----------|-----|------|
| BSJ-03-123 | PIK3CA(E545A) | PIK3CA | 86 | 1000 |
| BSJ-03-123 | PIK3CA(E545K) | PIK3CA | 72 | 1000 |
| BSJ-03-123 | PIK3CA(H1047L) | PIK3CA | 86 | 1000 |
| BSJ-03-123 | PIK3CA(H1047Y) | PIK3CA | 95 | 1000 |
| BSJ-03-123 | PIK3CA(I800L) | PIK3CA | 93 | 1000 |
| BSJ-03-123 | PIK3CA(M1043I) | PIK3CA | 98 | 1000 |
| BSJ-03-123 | PIK3CA(Q546K) | PIK3CA | 98 | 1000 |
| BSJ-03-123 | PIK3CB | PIK3CB | 95 | 1000 |
| BSJ-03-123 | PIK3CD | PIK3CD | 72 | 1000 |
| BSJ-03-123 | PIK3CG | PIK3CG | 92 | 1000 |
| BSJ-03-123 | PIK4CB | PI4KB | 90 | 1000 |
| BSJ-03-123 | PIKFYVE | PIKFYVE | 84 | 1000 |
| BSJ-03-123 | PIM1 | PIM1 | 90 | 1000 |
| BSJ-03-123 | PIM2 | PIM2 | 98 | 1000 |
| BSJ-03-123 | PIM3 | PIM3 | 90 | 1000 |
| BSJ-03-123 | PIP5K1A | PIP5K1A | 100 | 1000 |
| BSJ-03-123 | PIP5K1C | PIP5K1C | 87 | 1000 |
| BSJ-03-123 | PIP5K2B | PIP4K2B | 57 | 1000 |
| BSJ-03-123 | PIP5K2C | PIP4K2C | 21 | 1000 |
| BSJ-03-123 | PKAC-alpha | PRKACA | 100 | 1000 |
| BSJ-03-123 | PKAC-beta | PRKACB | 100 | 1000 |
| BSJ-03-123 | PKMYT1 | PKMYT1 | 100 | 1000 |
| BSJ-03-123 | PKN1 | PKN1 | 88 | 1000 |
| BSJ-03-123 | PKN2 | PKN2 | 100 | 1000 |
| BSJ-03-123 | PKNB(M.tuberculosis) | pknB | 44 | 1000 |
| BSJ-03-123 | PLK1 | PLK1 | 82 | 1000 |
| BSJ-03-123 | PLK2 | PLK2 | 93 | 1000 |
| BSJ-03-123 | PLK3 | PLK3 | 81 | 1000 |
| BSJ-03-123 | PLK4 | PLK4 | 100 | 1000 |
| BSJ-03-123 | PRKCD | PRKCD | 92 | 1000 |
| BSJ-03-123 | PRKCE | PRKCE | 79 | 1000 |
| BSJ-03-123 | PRKCH | PRKCH | 100 | 1000 |
| BSJ-03-123 | PRKCI | PRKCI | 68 | 1000 |
| BSJ-03-123 | PRKCQ | PRKCQ | 77 | 1000 |
| BSJ-03-123 | PRKD1 | PRKD1 | 68 | 1000 |
| BSJ-03-123 | PRKD2 | PRKD2 | 64 | 1000 |
| BSJ-03-123 | PRKD3 | PRKD3 | 96 | 1000 |
| BSJ-03-123 | PRKG1 | PRKG1 | 100 | 1000 |
| BSJ-03-123 | PRKG2 | PRKG2 | 81 | 1000 |
| BSJ-03-123 | PRKR | EIF2AK2 | 80 | 1000 |
| BSJ-03-123 | PRKX | PRKX | 100 | 1000 |
| BSJ-03-123 | PRP4 | PRPF4B | 75 | 1000 |
| BSJ-03-123 | PYK2 | PTK2B | 90 | 1000 |
| BSJ-03-123 | QSK | KIAA0999 | 61 | 1000 |
| BSJ-03-123 | RAF1 | RAF1 | 100 | 1000 |
| BSJ-03-123 | RET | RET | 100 | 1000 |
| BSJ-03-123 | RET(M918T) | RET | 91 | 1000 |

| | | | | |
|------------|-------------------------------|---------|-----|------|
| BSJ-03-123 | RET(V804L) | RET | 96 | 1000 |
| BSJ-03-123 | RET(V804M) | RET | 100 | 1000 |
| BSJ-03-123 | RIOK1 | RIOK1 | 99 | 1000 |
| BSJ-03-123 | RIOK2 | RIOK2 | 95 | 1000 |
| BSJ-03-123 | RIOK3 | RIOK3 | 94 | 1000 |
| BSJ-03-123 | RIPK1 | RIPK1 | 100 | 1000 |
| BSJ-03-123 | RIPK2 | RIPK2 | 81 | 1000 |
| BSJ-03-123 | RIPK4 | RIPK4 | 82 | 1000 |
| BSJ-03-123 | RIPK5 | DSTYK | 70 | 1000 |
| BSJ-03-123 | ROCK1 | ROCK1 | 88 | 1000 |
| BSJ-03-123 | ROCK2 | ROCK2 | 78 | 1000 |
| BSJ-03-123 | ROS1 | ROS1 | 96 | 1000 |
| BSJ-03-123 | RPS6KA4(Kin.Dom.1-N-terminal) | RPS6KA4 | 100 | 1000 |
| BSJ-03-123 | RPS6KA4(Kin.Dom.2-C-terminal) | RPS6KA4 | 87 | 1000 |
| BSJ-03-123 | RPS6KA5(Kin.Dom.1-N-terminal) | RPS6KA5 | 100 | 1000 |
| BSJ-03-123 | RPS6KA5(Kin.Dom.2-C-terminal) | RPS6KA5 | 100 | 1000 |
| BSJ-03-123 | RSK1(Kin.Dom.1-N-terminal) | RPS6KA1 | 96 | 1000 |
| BSJ-03-123 | RSK1(Kin.Dom.2-C-terminal) | RPS6KA1 | 90 | 1000 |
| BSJ-03-123 | RSK2(Kin.Dom.1-N-terminal) | RPS6KA3 | 60 | 1000 |
| BSJ-03-123 | RSK2(Kin.Dom.2-C-terminal) | RPS6KA3 | 87 | 1000 |
| BSJ-03-123 | RSK3(Kin.Dom.1-N-terminal) | RPS6KA2 | 85 | 1000 |
| BSJ-03-123 | RSK3(Kin.Dom.2-C-terminal) | RPS6KA2 | 82 | 1000 |
| BSJ-03-123 | RSK4(Kin.Dom.1-N-terminal) | RPS6KA6 | 68 | 1000 |
| BSJ-03-123 | RSK4(Kin.Dom.2-C-terminal) | RPS6KA6 | 89 | 1000 |
| BSJ-03-123 | S6K1 | RPS6KB1 | 89 | 1000 |
| BSJ-03-123 | SBK1 | SBK1 | 97 | 1000 |
| BSJ-03-123 | SGK | SGK1 | 62 | 1000 |
| BSJ-03-123 | SgK110 | SgK110 | 100 | 1000 |
| BSJ-03-123 | SGK2 | SGK2 | 63 | 1000 |
| BSJ-03-123 | SGK3 | SGK3 | 90 | 1000 |
| BSJ-03-123 | SIK | SIK1 | 96 | 1000 |
| BSJ-03-123 | SIK2 | SIK2 | 92 | 1000 |
| BSJ-03-123 | SLK | SLK | 93 | 1000 |
| BSJ-03-123 | SNARK | NUAK2 | 73 | 1000 |
| BSJ-03-123 | SNRK | SNRK | 92 | 1000 |
| BSJ-03-123 | SRC | SRC | 100 | 1000 |
| BSJ-03-123 | SRMS | SRMS | 100 | 1000 |
| BSJ-03-123 | SRPK1 | SRPK1 | 86 | 1000 |
| BSJ-03-123 | SRPK2 | SRPK2 | 83 | 1000 |
| BSJ-03-123 | SRPK3 | SRPK3 | 100 | 1000 |
| BSJ-03-123 | STK16 | STK16 | 9.7 | 1000 |
| BSJ-03-123 | STK33 | STK33 | 93 | 1000 |
| BSJ-03-123 | STK35 | STK35 | 100 | 1000 |
| BSJ-03-123 | STK36 | STK36 | 98 | 1000 |
| BSJ-03-123 | STK39 | STK39 | 62 | 1000 |
| BSJ-03-123 | SYK | SYK | 100 | 1000 |
| BSJ-03-123 | TAK1 | MAP3K7 | 96 | 1000 |

| | | | | |
|------------|------------------------------|---------|-----|------|
| BSJ-03-123 | TAOK1 | TAOK1 | 86 | 1000 |
| BSJ-03-123 | TAOK2 | TAOK2 | 89 | 1000 |
| BSJ-03-123 | TAOK3 | TAOK3 | 85 | 1000 |
| BSJ-03-123 | TBK1 | TBK1 | 74 | 1000 |
| BSJ-03-123 | TEC | TEC | 89 | 1000 |
| BSJ-03-123 | TESK1 | TESK1 | 96 | 1000 |
| BSJ-03-123 | TGFBR1 | TGFBR1 | 100 | 1000 |
| BSJ-03-123 | TGFBR2 | TGFBR2 | 98 | 1000 |
| BSJ-03-123 | TIE1 | TIE1 | 98 | 1000 |
| BSJ-03-123 | TIE2 | TEK | 100 | 1000 |
| BSJ-03-123 | TLK1 | TLK1 | 83 | 1000 |
| BSJ-03-123 | TLK2 | TLK2 | 100 | 1000 |
| BSJ-03-123 | TNIK | TNIK | 91 | 1000 |
| BSJ-03-123 | TNK1 | TNK1 | 85 | 1000 |
| BSJ-03-123 | TNK2 | TNK2 | 93 | 1000 |
| BSJ-03-123 | TNNI3K | TNNI3K | 86 | 1000 |
| BSJ-03-123 | TRKA | NTRK1 | 25 | 1000 |
| BSJ-03-123 | TRKB | NTRK2 | 66 | 1000 |
| BSJ-03-123 | TRKC | NTRK3 | 70 | 1000 |
| BSJ-03-123 | TRPM6 | TRPM6 | 100 | 1000 |
| BSJ-03-123 | TSSK1B | TSSK1B | 100 | 1000 |
| BSJ-03-123 | TSSK3 | TSSK3 | 97 | 1000 |
| BSJ-03-123 | TTK | TTK | 7.6 | 1000 |
| BSJ-03-123 | TXK | TXK | 99 | 1000 |
| BSJ-03-123 | TYK2(JH1domain-catalytic) | TYK2 | 44 | 1000 |
| BSJ-03-123 | TYK2(JH2domain-pseudokinase) | TYK2 | 72 | 1000 |
| BSJ-03-123 | TYRO3 | TYRO3 | 100 | 1000 |
| BSJ-03-123 | ULK1 | ULK1 | 77 | 1000 |
| BSJ-03-123 | ULK2 | ULK2 | 5.5 | 1000 |
| BSJ-03-123 | ULK3 | ULK3 | 83 | 1000 |
| BSJ-03-123 | VEGFR2 | KDR | 78 | 1000 |
| BSJ-03-123 | VPS34 | PIK3C3 | 45 | 1000 |
| BSJ-03-123 | VRK2 | VRK2 | 98 | 1000 |
| BSJ-03-123 | WEE1 | WEE1 | 95 | 1000 |
| BSJ-03-123 | WEE2 | WEE2 | 94 | 1000 |
| BSJ-03-123 | WNK1 | WNK1 | 100 | 1000 |
| BSJ-03-123 | WNK2 | WNK2 | 95 | 1000 |
| BSJ-03-123 | WNK3 | WNK3 | 100 | 1000 |
| BSJ-03-123 | WNK4 | WNK4 | 71 | 1000 |
| BSJ-03-123 | YANK1 | STK32A | 94 | 1000 |
| BSJ-03-123 | YANK2 | STK32B | 97 | 1000 |
| BSJ-03-123 | YANK3 | STK32C | 95 | 1000 |
| BSJ-03-123 | YES | YES1 | 84 | 1000 |
| BSJ-03-123 | YSK1 | STK25 | 74 | 1000 |
| BSJ-03-123 | YSK4 | MAP3K19 | 12 | 1000 |
| BSJ-03-123 | ZAK | ZAK | 100 | 1000 |
| BSJ-03-123 | ZAP70 | ZAP70 | 80 | 1000 |