

Supplementary Table S1. Calorimetric temperature shifts of SPHINX on 64 different kinases.

Target ID	Tm Shift (°C)	Protein Family
SRPK1	9.82	CMGC
SRPK3	7.93	CMGC
SRPK2	3.5	CMGC
PIM3	1.31	CAMK
CLK1	1.05	CMGC
STK33	0.94	CAMK
CLK2	0.84	CMGC
STK16	0.84	Other
PKMYT1	0.79	Other
SNF1LK2	0.75	CAMK
CDC42BPA	0.71	AGC
MYLK2	0.55	CAMK
NEK1	0.55	Other
GUCY2D	0.54	Other
AKT3	0.43	AGC
VRK2	0.43	CK1
DCAMKL1	0.38	CAMK
SLK	0.32	STE
CSNK2A2	0.3	Other
MAPK8	0.29	CMGC
CDC42BPB	0.27	AGC
Aurora C	0.21	Other
ZAK	0.2	TKL
CHEK2	0.17	CAMK
LOC340156	0.17	CAMK
PLK4	0.14	Other
PAK4	0.13	STE
RPS6KA1	0.12	AGC
STK38L	0.12	AGC
CSNK1G1	0.11	CK1
TNIK	0.05	STE
CSNK1G3	0.04	CK1
PIM1	0.03	CAMK
PCTK1	0.02	CMGC
STK17B	-0.06	CAMK
MAPK13	-0.11	CMGC
DYRK2	-0.13	CMGC
MAPK9	-0.13	CMGC
CAMKK2	-0.15	Other
RPS6KA6	-0.2	AGC
CSNK2A1	-0.24	Other
GRK1	-0.26	AGC
OSR1	-0.29	STE
STK10	-0.29	STE
ACVR1	-0.3	TKL
CDK8	-0.35	CMGC
FES	-0.36	TK
STK17A	-0.36	CAMK
ADRBK2	-0.37	AGC
CDKL1	-0.37	CMGC
GSG2	-0.37	Other
CDK2	-0.38	CMGC
BMX	-0.43	Kinase-TK
STK24	-0.45	STE
GPRK5	-0.48	AGC
PRKD2	-0.48	CAMK
MAP2K2	-0.49	STE
PRKCL1	-0.5	AGC
YANK1	-0.54	AGC
MAPK3	-0.55	CMGC
MST4	-0.57	STE
CLK3	-0.61	CMGC

ACVR2	-0.71	TKL
DYRK1A	-0.74	CMGC