

Supplementary Table 1 - NCBI sequences used to generate active conformation of GTPases of the Ras superfamily

Small GTPases	NCBI Reference Sequence
RHO SUBFAMILY	
RhoA	NM_001664
RhoB	NM_004040
RhoC	NM_175744
RhoD	NM_014578
RhoF	NM_019034
RhoG	NM_001665
RhoH	NM_004310
RhoQ	NM_012249
RhoJ	NM_020663
RhoU	NM_021205
RhoV	NM_133639
Rac1	NM_006908
Rac2	NM_002872
Rac3	NM_005052
Cdc42	NM_001791
Rnd1	NM_014470
Rnd2	NM_005440
Rnd3	NM_005168
RhoBTB1	NM_014836
RhoBTB2	NM_001160036
Miro1	NM_001033568
Miro2	NM_138769
RAS SUBFAMILY	
ERas	NM_181532
HRas	NM_005343
KRas	NM_004985
MRas	NM_012219
NRas	NM_002524
RRas	NM_006270
RRas2	NM_012250
RalA	NM_005402
RalB	NM_002881
Rap1A	NM_001010935
Rap1B	NM_015646
Rap2A	NM_021033
Rap2B	NM_002886
Rap2C	NM_021183
RasD1	NM_004675
RasD2	NM_014310
RasL10A	NM_006477

RasL10B	NM_033315
RasL11A	NM_206827
RasL11B	NM_023940
RasL12	NM_016563
Rit1	NM_006912
Rit2	NM_002930
Diras1	NM_145173
Diras2	NM_017594
Diras3	NM_004675
Gem	NM_005261
RRad	NM_001128850
Rem1	NM_014012
Rem2	NM_173527
Rheb	NM_005614
RhebL1	NM_144593
Rerg	NM_032918
NkiRas1	NM_020345
NkiRas2	NM_001001349
ARF SUBFAMILY	
Arf1	NM_001024227
Arf3	NM_001659
Arf4	NM_001660
Arf5	NM_001662
Arf6	NM_001663
Arl1	NM_001177
Arl2	NM_001667
Arl3	NM_004311
Arl4A	NM_005738
Arl4C	NM_005737
Arl4D	NM_001661
Arl5A	NM_012097
Arl5B	NM_178815
Arl5C	NM_001143968
Arl6	NM_032146
Arl8A	NM_138795
Arl8B	NM_018184
Arl10	NM_173664
Arl11	NM_138450
Arl13A	NM_001162490
Arl13B	NM_182896
Arl14	NM_025047
Arl15	NM_019087
ArFRP1	NM_003224
TRIM23	NM_001656
Sar1A	NM_001142648
Sar1B	NM_001033503