

Table 2. Serine-threonine protein kinases selected for phylogenetic analysis

Gene	Protein kinase	GenBank accession no.
<u>Akt/PKB kinases</u>		
KRCB_HUMAN	<i>H. sapiens</i> Akt-2	P31751
KRAC_HUMAN	<i>H. sapiens</i> c-Akt	P31749
AAC62466	<i>C. elegans</i> AKT-1 α	AAC62466
AAC62468	<i>C. elegans</i> AKT-2	AAC62468
CAA81204	<i>D. melanogaster</i> Akt1	CAA81204
<u>PKC kinases</u>		
Pprkca	<i>H. sapiens</i> PKC α	4506067
KPC1_HUMAN	<i>H. sapiens</i> PKC β -1	P05771
CAA78820	<i>H. sapiens</i> PKC γ	CAA78820
pPRKCD	<i>H. sapiens</i> PKC δ	5453970
PPRKCE	<i>H. sapiens</i> PKC ϵ	4885563
KPC2_CAEEL	<i>C. elegans</i> PKC1B	P34885
KPC3_DROME	<i>D. melanogaster</i> PKC DPKC98F	P13678
pPRKCZ	<i>H. sapiens</i> PKC ζ	4506079
<u>SGK kinases</u>		
YPK1_YEAST	<i>S. cerevisiae</i> YPK1	P12688
YPK2_YEAST	<i>S. cerevisiae</i> YPK2	P18961
SCH9_YEAST	<i>S. pombe</i> SCH9	P11792
PK2_DICDI	<i>D. discoideum</i> protein kinase 2	P28178
KRAC_DICDI	<i>D. discoideum</i> RAC-family kinase	P54644
SGK_RAT	<i>R. norvegicus</i> SGK kinase	Q06226
CAB03485	<i>C. elegans</i> SGK-like kinase	CAB03485
<u>cGMP-dependent kinases</u>		
KGPB_HUMAN	<i>H. sapiens</i> CGK- β	P14619
KGP2_DROME	<i>D. melanogaster</i> T1/T3 CGK	Q03043
KGP1_DROME	<i>D. melanogaster</i> CGK-1	Q03042
AAA83503	<i>C. elegans</i> CGK	AAA83503
<u>cAMP-dependent kinases</u>		
KAPA_YEAST	<i>S. cerevisiae</i> PKA	P06244
KAPC_YEAST	<i>S. cerevisiae</i> PKA3	P05986
KAPB_YEAST	<i>S. cerevisiae</i> PKA2	P06245
KAPB_SCHPO	<i>S. pombe</i> PKA	P40376
KAPC_CAEEL	<i>C. elegans</i> PKA	P21137
KAPB_HUMAN	<i>H. sapiens</i> PKA C- β	P22694
KAPA_HUMAN	<i>H. sapiens</i> PKA C- α	P17612
KAPC_DROME	<i>D. melanogaster</i> DC0	P12370
KAPG_HUMAN	<i>H. sapiens</i> PKA C- γ	P22612
S41099	<i>B. emersonii</i> PKA	S41099
<u>PRKX cAMP-dependent kinases</u>		
KAPC_ASCU	<i>A. suum</i> PKA-C	P49673
CAB41352	<i>C. elegans</i> cAMP- protein kinase	CAB41352
pPRKX	<i>H. sapiens</i> PRKX protein kinase	NP_005035
CAB57279	<i>M. musculus</i> PRKX kinase	CAB57279
KDC2_DROME	<i>D. melanogaster</i> DC2	P16912
KAPC_DICDI	<i>D. discoideum</i> PKA-C	P34099