AK6-family human[100%] rabbi[88%] mouse[88%] rice[67%] Arabidopsis[53%] Drosophila[45%] C.elegans[47%] Baker's-yeast[43%]	1 	NILLITGTPPGTGKST NVLVTGTPGGKST NVLVTGTPGGKSY NILITGSPGGKSY NILVTGSPGTGKST NILVTGSPGTGKST NILITGSPT	GKELA- SRSGLKY	V NV GDL A REGGL Y VNV GDL A REGGL Y VNV GDL A REGGL Y I NL GDL V KEKS L H I CL GDL V KEKEF Y L DCSSKI A KEKNFV I ECSSKI V KEN L H	D GF D EE Y NC PIL D E D R VID D GY D EE Y GC PIL D E D R VVD D GY D EE Y GC PIL D E D R VVD D GY D EE Y GC PIL D E D R VVD D GY D EE L E C HIINED VCD H GWD NE L E C HINED VCD E E Y D EE Y D C PIL D EE KL MD G D F D E GY N C H VL D ED KL LD
AK6-family human[100%] rabbit[88%] mouse[88%] rat[88%] Arabidopsis[53%] Drosophin[45%] C.elegans[47%] Fission-yeast[43%] Baker's-yeast[40%]	α 3 = LDN QMR EGGVI = LDN QMR DGGVI = LDT QMR DGGVI = LEPQMT EGGVI = LEPQMT EGGVI = LEDDAMIA KGGIV HISDRLDSDEGGIV HISDRLDSDEGGIV HISDRKLL KGGNV HISDRKLL KGGNV HISDRKLL KGGNV	VEYHGCDFFPERWF	β4 100 100 100 100 100 100 100 10	KRLETRGYNEKKLI RLETRGYMGAKLI CRLTSRGYMGAKLI DRLTSRGYSEKLI DRLTKRGYSEKLI DRLTKSRGYSEF	α6 120 120 120 129 T DNIQCEIFQVLYEEATAS QDNIQCEIFQVLYEEAMAS QDNIQCEIFQVLYEEAMAS SNLQCEIFQVLYEEAMAS SNLQCEIFQVLYEEARDS SNLQCEIFGTLLEEARDS SNLQCEIFGTLLEEARES SNLQCEIFGTLLEEARES EENLDAEIMGVYKQDA VECENEAEIMGVYKQDA

AK6-family	β 5	α.7	
human[1009/1			170 IEOWNIKDHNS
human[100%] rabbit[88%]	YKEELVHOLPSN	KPEELEENI SQI LKWI	I E Q WI K D H N S
mouse[88%]	YKEELVHQLPSNE	PEQLEDNI NQI SKWI	I E O WVKDHNP
rat[86%] rice[57%]	YKEELVMPLRSD	NVEDISRNVGTLTEWI	
Arabidopsis[53%] Drosophila[45%]	YDEEL VTELQSN	TIEDISNNVSTLTDWI	INA WQP
C.elegans[47%]	YSEDIVHELQSE	TEQMEENLERICELA	A G E F K N E H T M E Q
Fission-yeast[43%]	FDPKIVVELPSES	SIEEMESNLSRITQWV	VTNWKKNH
Baker's-yeast[40%]	TEPHIVVELQSD	KEDMVSNVSRIVAWE	EKMMALEQHPDGVINEYQGPRSDDEDDEDSE