```
Bee (XP_395308)          339  ANKGLLGPNKKIQP-AYSSESEDSETEEYLKHKEQI
Fly (NP_572550)          461  AKRGILDCRRVEG-TDYSSDSEDSDTEEYKQQQQGI
Mosquito (XP_318515)     425  ANRGLLGGRTGNGGEQYSSDSEDSDTEEYKQIQHAI
Zebrafish (NP_001005588) 433  AARGLMRGGRDPG--HYS EDEDSDTEEYREAKPHI
Frog (NP_001165673)      432  AARGLLAGGRGEG--CYS EDDDTDTEEYREAKANI
Chicken (NP_001026345)   429  AARGLMAGGREEG--EYS EDEDTDTEEYKEAKPNI
Mouse (NP_444424)        420  AARGLMAGGRPEG--QYS EDEDTDTEEYREAKASI
Rat (NP_001093990)       420  AARGLMAGGRPEG--QYS EDEDTDTEEYREAKASI
Ox (DAA24056)            420  AARGLMAGGRPEG--QYS EDEDTDTDEYKEAKASI
Horse (XP_001489185)     420  AARGLMAGGRPEG--QYS EDEDTDTDEYKEAKASI
Monkey (XP_001083119)    418  AARGLMAGGRPEG--QYS EDEDTDTDEYKEAKASI
Orangutan (NP_001126134) 420  AARGLMAGGRPEG--QYS EDEDTDTDEYKEAKASI
Chimpanzee (XP_001143410) 420 AARGLMAGGRPEG--QYS EDEDTDTDEYKEAKASI
Human (NP_001273063)     421  AARGLMAGGRPEG--QYS EDEDTDTDEYKEAKASI
                                     ▲▲       ▲  ▲
                                  Y435 S436  T441 T443
```

Supplemental Figure S2. Conserved Phosphorylation Residues of Ric-8A. Multiple sequence alignment analysis was carried out using a modified Clustal W algorithm on the AlignX module of Vector NTI software (Invitrogen, Carlsbad, CA). Residue-alignments are color-coded as follows:
Red font on yellow block: Fully conserved
Blue font on cyan block: Similar amino acids
Black font on green block: Conserved at greater than 50%
Green font: Weak similarity