

Human	SPSPERSLLLKYARTPTLDPDTMHARLRLSADRLTVRCGLLGSLGPVPVLRFDALWQVLA
Rat	SPSPERALFLKYARTPTLDPDTMHARLRLSTDGLTVRCSLLGRLGPRPAPRFDSLQVLG
Mouse	SPSPERALFLKYARTPTLDPDTMHARLRLSPDGLTVRCSLLGRLGPRPAPRFDALRQVLG
Rabbit	SPSPERSLLLKYARTPTLDPDTMHARLRLSADRLTVRCALLGRLGQPPATRFDELWQVLG
dog	SPSPERSLFLKYARTPTLEPDTMHARLRLSADRLTVRCALVGRLGPPAPALRFDKLWQVLG
Rhesus	SPSPERSLFLKYARTPTLDPDTMHARLRLSADRLTVRCGLLGSLGPVPALRFDALWQVLA
Pig	SPSPQRSFLFLKYARTPTLEPDTMHARLRLSADRLTVRCGLFGRLGPTPTLCFDSLWQVLG
Cow	SPSPERSLFLKFFFR-EQAPDSLRAHCRSPGGGAGR- - -VLGRLGPTAALRFDALWQVLS
Sheep	SPSPERSLFLKYARTPCLEPDTMHARLRLSADLLTVRCGLLGRLGPTAALRFDALWQVLS
goat	SPSPERSLFLKYARTPCLEPDTMHARLRLSADLLTVRCGLLGRLGPTAALRFDALWQVLS
Chicken	MSPVDRLFLKHARSPTWEYDSLHPRLKLSDDRLLVSCNWRRIFYPCGPQRFDKLWQVLS
Horse	SPSPERSLFLKCKTP-----
Donkey	SPSPERSLFLKCKTP-----

.. : * * : ** **SSHPS**

Human	RDCFATGRHYWEVDVQ EAGAG WWVGAAYASLRRRGASAAARLGCNRQSWCLKRYDLEYWA
Rat	RDGFAAGRHYWEVDVQ EAGVG WWVGAAYPSLRRRGASAAARLGCNRRESWCVKRYDMEYWA
Mouse	RDGFAAGRHYWEVDVQ EAGVG WWVGAAYPSLRRRGASAAARLGCNRRESWCVKRYDLEYWA
Rabbit	RDCFAAGRHYWEVDVQ EAGAG WWVGAAYGSLWRRGASAAARLGCNRQSWCLKRYDLEYWA
dog	RDCYAAGRHYWEVDVQ EAGVG WWVGAAYASLRRRGASAAARLGCNRQSWCLKRYDLEYWA
Rhesus	RDCFAAGRHYWEVDVQ EAGAG WWVGAAYASLRRRGASAAARLGCNRQSWCLKRYDLEYWA
Pig	RDCFAAGRHYWEVDVQ EAGIG WWVGAAYGSLRRRGASAAARLGCNRQSWCLKRYDLEYWA
Cow	RDCFAAGRHYWEVDVQ EAGVG WWVGAAYGSLRRHGASDAARLGCNRQSWCLKRYDLEYWA
Sheep	RDCFAAGRHYWEVDVQ EAGVG WWVGAAYGSLRRHGASDAARLGCNRQSWCLKRYDLEYWA
goat	RDCFAAGRHYWEVDVQ EAGVG WWVGAAYGSLRRHGASDAARLGCNRQSWCLKRYDLEYWA
Chicken	RDAFLSGSHYWEVDLL HAGAG WWIGAAYPSIGRKGDSESCRLGWNRASWCIKKFDLEYWA
Horse	---RAEGGVHSGGRVTEMEAPLFFLREPTWVF-----
Donkey	---RAEGRVHSGGRVTEMEAPLFFLREPTWVLRRRRGASAAARLGCNRQSWCLKRYDLEYWA

* : : . : :

Human	FHDGQRSRLRPRDDLDRLGVL LDYE AGVLAFYDVTGGMSHLHTFRATFQEPLYPALRLWE
Rat	FHDCQRSRLRLRRDPHRLGVFLDY EAGIL TFYDVAGGMSHLHTFYAVFQEPLYPALRLWE
Mouse	FHDGQRSRLRPRRDPHRLGVFLDY EAGIL AFYDVAGGMSHLHTFHAAFQEPLYPALRLWE
Rabbit	FHDGQRSRLRPRDDPDRVGVFLDY EAGVL AFYDVTGGMSHLHTFRSTFQEPLYPALRLWE
dog	FHDGQRSRLRPRDDPDRLGVL LDYE AGVLAFYDVSGGMSHLHTFRASFQEPLYPALRLWE
Rhesus	FHDGQRSRLRPRDDLDRLGVL LDYE AGVLAFYDVTGMSHLHTFRATFQEPLYPALRLWE
Pig	FHDGQRSRLRLRDDPDRLGVL LDYE AGVLAFYDVSGGMSHLHTFRAAFQEPLYPALRLWE
Cow	FHDCQRSRLRPRHDPDRLGVL LDYE AGVLAFYDVTGGMSHLHTFRAAFQEPLYPALRLWE
Sheep	FHDCQRSRLRPRHDPDRLGVL LDYE AGVLAFYDVTGGMSHLHTFRAAFQEPLYPALRLWE
goat	FHDCQRSRLRPRHDPDRLGVL LDYE AGVLAFYDVTGGMSHLHTFRAAFQEPLYPALRLWE
Chicken	FHKGERIPLLIEDDPDRIGVFLDY EAGIL SFYNVTDGMTHLHTFRCKFTEPVYPALRLWE
Horse	-----
Donkey	FHDGQRSRLRPRGDPERLGVL LDYE AGVLAFYDVTGGMSHLHTFRAAFQEPLYPALRLWE