

QLDL

SBP2L	<i>Tetrahymena thermophila</i>	NSVSRNNQFNNSKREKRNQTQNRQDNLDFFE-----LIE-KKKKKVSK-L-----TS-LK-LTFQEQEINFTK
	<i>Dictyostelium discoideum</i>	NVSLRKKQKQFGKIFKEDFTII-----TNTTSIPTEKLLKKNFLKIDKEDPKPKTR-LKGR-LTQSTIGENYTK
	<i>Monosiga brevicollis</i>	ASDDAEAPGPGSTMLDLGLLTDARSKNLDATAP-----TRRRGKREAVNRKKKPL-SOMRLOMKLEEQATRRR
	<i>Emiliania huxleyi</i>	NPPGSKPKPQ-KNVSLDFLDLDPGGGGEGTSLGLG-RTORKKKKEGKGGKPKBL-SOMRLOMKLEEQATRRR
	<i>Micromonas pusilla</i>	GCRRCKLP-----N-FLDSTAP-IKKNNKKNVNNKKKPNRNL-TLKKLVLVLEAKRKAARAA
	<i>Trichinella spiralis</i>	KKRSKKKAPTDDVQINLSECTIR-----VPIVPOOPLLL-LKGGKOREVPEKKKL-TLKKLILTRSRRTKKA
	<i>Anopheles gambiae</i>	DKSKKKTTPSDVQNLNSDCLR-----VPIAITPT-IVFKKGGKOREVPEKKKL-TLKKLILINNRKAKQD
	<i>Culex quinquefasciatus</i>	KSKGAREPSDQRESSGSKKL-QDNLDSSAP-VRRKKGGKOREVPEKKKL-TLKKLILIKEREERAKQ
	<i>Ixodes scapularis</i>	ANQGAQALDRKTTFNIGETISSQQRQNP-LDSSAP-TLTKGGKORETPEKKKL-SLKKLILIKERNDKKK
	<i>Trichoplax adhaerens</i>	KNQHKRKEQQTSLDF-----LAIRGSGYIVYKPKGKRLDLPKKL-TLKKSVRVYVYTSKKA
	<i>Drosophila melanogaster</i>	AKYKNKKHRE-QQCTLDLDFLV-----LVARKCVALQTKRKGKRLHPKRR-LKKLILIKERIKVRNWKQH
	<i>Drosophila virilis</i>	KTASSRNKNKNQVLDLGEFLTFEKKNALDSTAP-LIKKKGKREVEPEKKKL-SLKKLILIKEREKKK
	<i>Ciona intestinalis</i>	KTASGRNKSQTPVLDSEMTLLEEKNALDGTAP-LMIKKGGKREVEPEKKKL-SALKVLILIKEREKKKE
	<i>Ciona savignyi</i>	PMPTKKKTKEP-LQDLGMLLSLQVFINMLDSTAP-VIKRGGKREVEPEKKKL-SALKVLILIKEREKKKE
	<i>Nematostella vectensis</i>	RDQGAKEEAPIVNTPTP-----LKPPKNL-LDSTCP-KVKRGGKREVEPEKKKL-SLKKVLILIKEREKKR
	<i>Lottia gigantea</i>	PSGTGKKSQEP-TALNIADMDLLEA-NALDASAP-VKRGKREAPRNKKKL-SPLKKVLILIKEREKKR
	<i>Capitella sp.1</i>	KKQGGKRTKMP-TEFDLGDMLALEKQNP-LDSTAP-VKRGKRELPAPKKKL-SALKVLILIKEREKKR
	<i>Strongylocentrotus purpuratus</i>	KAAGKKSQTP-MQLDGLDMLALEKRONPLDSSAP-AVKRGGKRETPHKKKL-SALKVLILIKEREKKM
	<i>Brachiostoma floridae</i>	KKPNKRTKMP-TEFDLGDMLALE-----NPLDSSAP-VKRGKREEQAPKKKL-SALKVLILIKEREKKR
	<i>Saccoglossus kowalevskii</i>	KAAGKKSQTP-VELDLGDMLALEKHQNSLDSTAP-RVKRGGKRETEPKVKRPT-TALKVLILIKEREKKGG
	<i>Gasterosteus aculeatus</i>	KTAGKKSQTSVVELDLGDMLALEKQNP-LDSTAP-RVKRGGKRETEPKVKRPT-TALKVLILIKEREKKGG
	<i>Tetraodon nigroviridis</i>	KAAGKKSQTP-VOLDGLDMLALERQNP-LDSTAP-RVKRGGKEVEPKVKRPT-TALKVLILIKEREKKGG
	<i>Xenopus tropicalis</i>	KAAGKKSQTP-VOLDGLDMLALEKQNP-LDSTAP-KIKRGGKEKEIAKLRPT-TALKVLILIKEREKKGG
	<i>Monodelphis domestica</i>	KAAGKKNKTP-VOLDGLDMLALEKQNSLDITSS-KAKKGGKEKEIAKLRPT-TALKVLILIKEREKKGG
	<i>Rattus norvegicus</i>	KAAGKKNKTP-VOLDGLDMLALEKQNSLDITSS-KAKKGGKEKEIAKLRPT-TALKVLILIKEREKKGG
	<i>Homo sapiens</i>	KAAGKKNKTP-VOLDGLDMLALEKQNSLDITSS-KAKKGGKEKEIAKLRPT-TALKVLILIKEREKKGG
	<i>Canis familiaris</i>	KAAGKKNKTP-VOLDGLDMLALEKQNSLDITSS-KAKKGGKEKEIAKLRPT-TALKVLILIKEREKKGG
	<i>Equus caballus</i>	KAAGKKSQTP-VOLDGLDMLALEKQNP-LDSTSP-KVKRGGKEEELSKLRPT-TALKVLILIKEREKKGG
	<i>Anolis carolinensis</i>	KAAGKKSQTP-VOLDGLDMLALEKQNP-LDSTAP-KVKRGGKEEELSKLRPT-TALKVLILIKEREKKGL
	<i>Gallus gallus</i>	KVSGKKSVLP-VOLDIGNMLVLEMKQNP-LDSTCP-LVKKGGKOREVPEKKKL-SPLKKVLILIKEREKKKL
	<i>Gasterosteus aculeatus</i>	KSSGKKSAQPV-VOLDIGNMLVLEMKQNP-LDSTSP-LVKKGGKOREVPEKKKL-SPLKKVLILIKEREKKKL
	<i>Tetraodon nigroviridis</i>	KFGGKKSQIP-VKLDLGGMLALEKQNP-LDSSSP-LIKKGGKOREVPEKKKL-TSLKKLILIKEREKKQK
	<i>Monodelphis domestica</i>	KTGGKKSQVP-VOLDLGGMLALEKQNP-LDSSAP-LMKKGGKOREVPEKKKL-TSLKKLILIKEREKKQK
	<i>Rattus norvegicus</i>	KNNVKKSLQP-VOLDLGGMLTLEKKQNP-LDSSAP-LMKKGGKOREVPEKKKL-TSLKKLILIKEREKKQK
	<i>Homo sapiens</i>	KNSGKKSLQP-VOLDLGGMLTLEKKQNP-LDSSAP-LMKKGGKOREVPEKKKL-TSLKKLILIKEREKKQK
	<i>Canis familiaris</i>	KNSGKKSLQP-VOLDLGGMLTLEKKQNP-LDSSAP-LMKKGGKOREVPEKKKL-TSLKKLILIKEREKKQK
	<i>Equus caballus</i>	KSGGKKSQTP-VOLDLGGMLTLEKKQNP-LDSSAP-LMKKGGKOREVPEKKKL-TSLKKLILIKEREKKQK
	<i>Anolis carolinensis</i>	KSGGKKSQTP-VOLDLGGMLTLEKKQNP-LDSSAP-LMKKGGKOREVPEKKKL-TSLKKLILIKEREKKQK
	<i>Gallus gallus</i>	KSGGKKSQIP-VOLDLGGMLALEKQNP-LDSSAP-LVKKGGKOREVPEKKKL-TLKKLILIKEREKKQK
	<i>Xenopus tropicalis</i>	KSTGKKSLAL-VOLDLGGMLALEKQNP-LDSSAP-LVKKGGKOREVPEKKKL-TLKKLILIKEREKKQK
SBP2L	<i>Ostreococcus lucimarinus</i>	NTQVKNRVLNLGLDVMVNSL-----RGKRRR-----EGKKKKQS-LKKLILITREESK
	<i>Ostreococcus tauri</i>	GDGKNRVSLKGLDVMVNSL-----RGVRRR-----DGKKKKRS-LKKLILITREARETD
	<i>Daphnia pulex</i>	ALGKRGGK-----GNVSEVQK-ENVLDRSAP-TLRSRGKTRN-----KKRKLSEIRKALLKKKIAR
	<i>Plasmodium vivax</i>	INKLTNILNVEKEKGYFFLPKCLKKKTSKLNKITIKINDIY
	<i>Toxoplasma gondii</i>	GGETVGEEGGERFDGDPRLDLRRLYRG-RRLOASDVAKML
	<i>Phaeodactylum tricornutum</i>	LTKKKPKPLTANNESTKDFSTPNKYLLQLLMRDGKMVYVKNQRQRIQPKKKL-SALKKKVL-----EERLR
	<i>Thalassiosira pseudoannua</i>	NKSGITPA-----TKKGRQAPRKKKL-LTLKKSVL-----EERLR

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↑ K650

↑ L681

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