

[] DUF 3608

Completely conserved

Identical

Similar

Mosquito_AGAP00 YNDVYMRVVD-PADVALD VEITFKDQYIGRSEMWRLLKRLTNTTCVYLNKKIESCEGCIR
Drosophila_DEPD YSNVVMRIVK-PADVALD IEITFKDQYMGSRSEMWRLLKTYLTDTTCVYVNNKIDYNDMQIR
Louise_DEPDC YADVYMNVVN-PESVALD IELTFKDQYMGSRSEMWRLLKNSLLTTCVYLNKKIEFCGGSIR
Human_DEPDC5 YQDVYVNVVD-PKDVTLDI VELTFKDQYIGRSDMWRLLKSLVSTCAIYITQKVEFAG--IR
StlPrp_DEPDC5 YKNVKVTKVQ-PGDVALDI VELVFKEQYISRSDMWRLLKNSLVDTCIHTIQQKLESG--IR
Tunicate_DEPDC5 FQDVYVYKTE-PEDVALDI FEVFSFKDQYISRSDMWRMKKTFNLNSCVYIIOQYLPFSG--IR
Ascaris_DEPDC5 NQNVTYKVVV-DKKQVALDI IELTFKERYMSRSDMWRYSRCLLNTCAIYIGKLLLEWLG--IP
Ustilago_IML1 RAEAAILTRVT-KDDFTIDI VELVFRDQYVGRRAEMWRVFNQLEDTCVYCGQKVFVLAG-SVR
Saccharomyces_I RSRIRWIKLKNKFDLQAD VEFNIKDCLLNRGDMVLSLKLVDTCVFMQRDLAFLD-SIR
Phytophthora_hp FRSVTVRRVD-QRDVCVDI VELSFKDQFLSRADINRFKVTMLGQCVYVGRTEVECLG--IR
Albugo_VMAP FKDVVIRFVP-KDQVEAAI VEISLKDQFISRRDLWYLLKRSLTGKPVSVGKNVVRVHGTRWQ
consensus y-dv-mrvv--p-dvald vEltfkdqyi-RsdmWrIk-sll-tcvyl-kkley-g--ir

Mosquito_AGAP00 CQVYEMWSQGERVACGVINEDTKVFRSNTSMVYLFQMSSEMWDFFDIYGDLYFEKAVNG
Drosophila_DEPD CQVYEMWSQGERVASGVITEDTKIVFRSNTSMVYLFQMSSEMWDFFDIYGDLYFEKAVNG
Louise_DEPDC CQVHEMWSQGRVACGVIAEDTKIVFRSNTSMVYLFQMSSEMWDCCDINGDLYFEKAVNG
Human_DEPDC5 AQAGELWVKNEKVMCGYISEDTRVVFRTS AMVYIFIQMSCEMWDFFDIYGDLYFEKAVNG
StlPrp_DEPDC5 AQVQELWSRWERSVCGAINTDTRVAFRSATAMVYLFQMSSEMWDFFTCGDLYWEKAVNG
Tunicate_DEPDC5 AQVSELWSNSMKVRCGYITDNTFVLSRYTAEVYVFIQMSSEMWEYDAGYGLQFERAING
Ascaris_DEPDC5 TTVSDLWSKGEEMVRSGFVSEDTRVVFSSS SMLLVYVQMSSEMWDIDPHGDLYFEKAVNG
Ustilago_IML1 ATIGRIFIKEKVTSGYVSASTKAIPRSES AKYNLFIQLSRMWFEDDEGIIYEFKALQG
Saccharomyces_I GTIKGIYRNGKIVSGYIGEOTRIIPRSESARLIFLIQITDEMNFETGEGLQKRMVNS
Phytophthora_hp SQVDAILADNTQLSCGVIGDATKIVVRSRSRLFLNVLQMSTEMWFAPDGEIYYEKLNR
Albugo_VMAP VMDVHASKSEEQAVSGVISEHTKLSLRSKTSRVMWLIQISPELWDLANSGYMYLETLVN-
consensus -qv-emws--erv-cg-itedTkvvfrs-tsmvylfiQmssEmWdff--Gdlyfekavng

Mosquito_AGAP00 FLADLYKKWQKLGSNHEVTIVLFSRTFYSAKSLDEFPFHMRRDCLQIDYR-----
Drosophila_DEPD FLETFLQKWRKLSNHEVTIVLFSRTFYAAKSLDEFPHEMRRDCLQQDYK-----
Louise_DEPDC FLSDLFPKWKKNGCYHEVTIVLFSRTFYEAQDLEKFFIYMRCELOQDYK-----
Human_DEPDC5 FLADLFTKWKKEKNCSEHTVVVLFRTFYDAKSVDEFPENRASIRQDHK-----
StlPrp_DEPDC5 FLTDLFNKWRDKGVNNEATVVVLFRTFFPKAKSLDQFPKWRDRNVKYA-----
Tunicate_DEPDC5 FLKALFKKWKQKCCHELTVLVLFRTLYETQDIEDFPIHLRDLCLRRYQ-----
Ascaris_DEPDC5 FPFELFERWKEQCHAHYVSFIVCSRWFYKEELIN---DEMKEKICKDH-----
Ustilago_IML1 FPELLRRRRAVPTNHILTVILFARVHYDESEIH---MLEGPIRQDAR-----
Saccharomyces_I FPFKIPKWKDQVDTHTHTITIAFAISMDLSDTSFK-----DLTPGES-----
Phytophthora_hp LLRVLIDKWSSESSVSHSVTIIAFSRSFYDANQFPDDFPRRAPPSPDRRQFGPGKSGGAP
Albugo_VMAP VVHHVLQKWIIRHKVSHSLTILFFARSYPENEKEGNENSAEGMCHTSTASERKAASSMP
consensus fl-dlf-kWr----hevtivlfsrtfy-a--ld-fp--mrd-l--d-r-----

Mosquito_AGAP00 -----GRFYEDFYRVAIQNERCDDWSTTLVQLRRLFTGYRDRVVLKYE
Drosophila_DEPD -----GRFYEDFYRVAIQNERCDDWCTVLGQLRKLFTSYQATVLYRE
Louise_DEPDC -----GRFYEDFYRVVVQNERIDEWSTLVLQRLKLFTEYHTKVVVEYK
Human_DEPDC5 -----GRFYEDFYKVVVQNERREEWSTLLVTIKKLFIOYPLVLRLEQA
StlPrp_DEPDC5 -----GRFYQDFYRVAVHHERDEWHGLLQTLKAHFIVYLKEVLCETQ
Tunicate_DEPDC5 -----NQLYMDFFKCVQTERLEDCSTSLITLKRFLFNKFEKELTELDCG-
Ascaris_DEPDC5 -----KRYVDFKRLVYRDEKRYVYRDEKRYVYRDEKRYVYR
Ustilago_IML1 -----GKYYIDYKVVVDLESNCNWDAMVTLLKEEFFRFQHDILLIR
Saccharomyces_I -----LKNSQDYFRIVVDQVSIHWDIMETLREEFMEIRKDLLNKQT
Phytophthora_hp INMAGGYGPTIHVDVPSGRFYEDFYKVVVMNFTGPDWRSRLVLLKKEFASYYEMRRWRTF
Albugo_VMAP ICVDE-----ENRKYQDFYKVVIFDSTITDVGQLLVKLCCELNDFPRVCGWRSP
consensus -----grfy-dfyrvvvqner-ddw-vl--lkrflf--y--vl----

Mosquito_AGAP00 RAD-----LPAGVRIPPATNSTAAQGNFLEVLNLS
Drosophila_DEPD RE-----NMKIPPATNSSAATQGNFLEVLNLS
Louise_DEPDC EG-----GIEKIPPATNSTAAQGNFLEVLNLS
Human_DEPDC5 ES-----FQGDNSTSACGNYLEANLS
StlPrp_DEPDC5 -----GQIPPGYNSAAAGNFLETLMNT
Tunicate_DEPDC5 -----CPKGINSTSSSEGNFLEANLS
Ascaris_DEPDC5 KEF-----PDYTGVEPLAQNSTAVDGNFLQILNMS
Ustilago_IML1 PISGPAASHEE-----LHADLIRDRVHMAGRISSEYEGNLEAIINLA
Saccharomyces_I DKG-----YSVANGRFSPVIRSNFLELVNFA
Phytophthora_hp EEFSAAKYEICRCPKPATSTNTGKTSEKGTMDVYIKWTKLPSGVPSRAKDGNIIEAIINVT
Albugo_VMAP KFWNDETSSTIS-----SQQHTRDGVANAQDGNLEAIINIV
consensus -----ip-g-nsta-egNfLe-lNls

Mosquito_AGAP00 LNVFEXHYLDRSFDRTGQLSVVITPGVGVFEVDRELTNITKQRIIDNGVSDLCVCGEQF
Drosophila_DEPD LNTFEXHYLDRSFDRTGQLSVVITPGVGVFEVDRELTNITKQRIIDNGVSDLCVCGEQF
Louise_DEPDC LNVFEXHYLDRSFDRTGQLSVVITPGVGVFEVDRELTNITKQRIIDNGVSDLCVCGEQF
Human_DEPDC5 FNVFDKHYINRNFDRTGQMSVVITPGVGVFEVDRLMLITKQRMIDNGIIVDLCVCMGQF
StlPrp_DEPDC5 LNVFDKHYVDRNFERTGQLVLLTPGAGVFDVDRMCKITRQRMIDNGISDLCVLAEQF
Tunicate_DEPDC5 LNVFQHRINRNFERTGQIVQVITPGVGVFEVDRLKLTVLTQRMIIDNGISDLCVCGEQF
Ascaris_DEPDC5 MNSFDSYTDRRFETSGQIIVYVTPGGGVNDRHLVNFTRKRLIDMGIISDLCVCGEQF
Ustilago_IML1 LMPFSEHYDRDLNRGSLSMVFLAETGEPDRKLLRTRMRENGTGLDLCVCTKMF
Saccharomyces_I FTILLDFPKQLDRHTTHVMILSPGSLFDVYSLTLLTGKLLSLMMDLLSLKMF
Phytophthora_hp LNVLDKHYMDRDLRSRTGQIVMMAAGCSIPFNDRKLAETIQRMIDNGVGMDSILTPF
Albugo_VMAP LNIIDKHHDRDLARTGQVVIATAGNGIFKVNKQLSEITQRMMDBGIGIDIICLSFP
consensus Invfdkhyldr-fdrtgqlvvitpg-gvFeVdr-l--lTkqrmiangvgvDlvcIgeqF

Mosquito_AGAP00 LHAVPLKHN-----KDT-LTS--IDD-----
Drosophila_DEPD LHAVPLKHN-----KDTLTS--ADD-----
Louise_DEPDC LHAVPLKHN-----KDS-INA--VDD-----
Human_DEPDC5 LHAVPLFKHN-----RSAPRDSRLGDD-----
StlPrp_DEPDC5 LHAVPLFKHN-----KTRDVF--RGP-----
Tunicate_DEPDC5 LHAVPLFKHYDQQQKKSFSFKRNFPTSSSD-----
Ascaris_DEPDC5 LHAVPLFVQR-----MSGCAHPFD-----
Ustilago_IML1 LHSVPLFHKSHYPDPSELKQSQAAAHNRSQRRTPGAGPGMTVHRPQFPALLSRHSSSR
Saccharomyces_I LHIVPLFIR-----FEN-----
Phytophthora_hp LHVVPLFIIRN-----LPSGKTAAGLN-----
Albugo_VMAP LHRCLPFIKQ-----k-----
consensus LHavPPlfkh-----k-----dd-----