

logo



NTDB id 1383 A4U84 RS08530 WP 005711781.1	.....MKKIRLIRPLAKAFTLIELMIVIAIILATIAIPSYTSYTKAALSELLSASASYKSDVE.....IC	63
NTDB id 1354 HI 0299 AAC21963.1	.....MKLTTLQTLKKGFTLIELMIVIAIILATIAIPSYQNYTKKAAVSELLQASAPYKADVE.....LC	62
NTDB id 1365 NTHI RS01955 WP 011271973.1	.....MKLTTQTLKKGFTLIELMIVIAIILATIAIPSYQNYTKKAAVSELLQASAPYKADVE.....LC	62
NTDB id 1007 ACIAD RS15000 WP 004923844.1	.....MRVRHGFTLIELMIVVAIIGILAAIAYPSYQNYKIRVNRSDVQSELIRVSQQLQ.....SY	56
NTDB id 1062 ABD1 RS15720 WP 000788345.1	.....MKNKGFTLIEIMIVVAIILAAIATPSYLQYLRKGHRTAVQSEMMNIAQTLE.....SQ	54
NTDB id 1136 NGFG RS02420 WP 003687912.1	.....MCTRKQKGFTLITELLIVMAIAAIMATIALPNMSGWIASRRITASHAEQVANLLRFSRGEAVRLNLPVY	67
NTDB id 1415 SGL RS07945 WP 010872381.1	MASNFKFKLLSQLSKKRAEGGFTLIELLVVVIIIGVLAALALPNLLGQVGKARESEAKSTIGALNRAQQ.....GY	71
NTDB id 1088 NMV RS07470 WP 173277181.1	.....MEQKGFLLIEMMIVVAIIGIISVIAIPSYQSYIEKGYQSQLYTEMVGINNISK.....QF	55
NTDB id 1140 NGFG RS02440 WP 025455870.1	.....MEQKGFLLIEMMIVVAIIGIISVIAIPSYQSYIEKGYQSQLYTEMVGINNVLK.....QF	55
NTDB id 1033 TT RS11945 WP 011173287.1	.....MRNAKGFTLIELLIVIAIILAAVLIIPNLLAARKRANDTVVTAYLNDAVKQFE.....MY	56
NTDB id 1006 ACIAD RS15005 WP 004923843.1	.....MQHHRQKGFTLIELMIVVIVIAIFAIAIPSYQEVIRRSNLAMAQQEMQKLAEQLE.....RY	57
NTDB id 1109 OK783 RS10670 WP 157147416.1	.....MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEATLLAEGQKSAVT.....EY	57
NTDB id 1119 NGFG RS11465 WP 017147169.1	.....MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEATLLAEGQKSAVT.....EY	57
NTDB id 1002 ACIAD RS15100 WP 004923779.1	.....MNAQKGFLLIEMMIVVAIIGIISVIAIPSYQSYIEKGYQSQLYTEMVGINNVLK.....EN	56
NTDB id 1292 VP RS12235 WP 005479693.1	.....MKHSKQKKQKGFTLIELMIVVAIIGVLAALAAIPAYQNYVTRSEVTSGLATVKALITPAE.....LH	61
NTDB id 1197 PSJM300 03940 AFN76866.1	.....MKAQMKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPKIGIFE.....QA	58
NTDB id 1204 PSJM300 03935 AFN76865.1	.....MKPVKSSCRGFSLIELMIVVAIIGILAAIALPAYQNYTVRSTAASALAEITPAKAAFE.....QA	60
NTDB id 1274 LPP RS09530 WP 011214168.1	.....MRQKGFLLIEMMIVVAIIGILAAIAPAYQDYTIRARVTEGLTLADSACLAVS.....ET	55
NTDB id 1258 GCO85 RS09745 WP 014844212.1	.....MRQKGFLLIEMMIVVAIIGILAAIAPAYQDYTIRARVTEGLTLADSACLAVS.....ET	55
NTDB id 1184 GTF74 RS02335 WP 000649326.1	.....MKAYKNKQKKGFTLIELMIVVAIVIGVLAALAAIPQYQNYVKKSAIGVGLANITALKTNIE.....DY	61
NTDB id 1167 A1552VC RS11065 WP 000649326.1	.....MKAYKNKQKKGFTLIELMIVVAIVIGVLAALAAIPQYQNYVKKSAIGVGLANITALKTNIE.....DY	61
NTDB id 1160 ABDM36 RS02330 WP 000649326.1	.....MKAYKNKQKKGFTLIELMIVVAIVIGVLAALAAIPQYQNYVKKSAIGVGLANITALKTNIE.....DY	61
NTDB id 1079 FDQ49 RS11140 WP 022575996.1	.....MNAQKGFLLIEMMIVVAIIGILAAIAPAYQNYIAKQSQASEAFTLADGLKTTIN.....TN	56
NTDB id 1188 NELON RS01755 WP 003772458.1	.....MKAMQKGFLLIEMMIVIAIIGILAAIALPAYQDYTVRSKVSEALIAASSPKSALS.....EA	57
NTDB id 1400 DSB67 RS12660 WP 010643261.1	.....MKTNKQKKQKGFTLIELMIVVAIIGILAAIALPAYQDYTKKATMAEFPKIASSTKLAVE.....LC	61
NTDB id 1424 RS RS02795 WP 011000517.1	.....MKSMRHLNKRQKGFLLIEMMIVVAIVIGILAAIAPAYQDYTVRARVTEGLSLAAQAKALVS.....EN	64
NTDB id 1038 HON27 RS01510 WP 000993725.1	.....MNAQKGFLLIEMMIVVAIIGILAAIAPAYQNYIAKQSQVNSGFSEISSIKTGYE.....NA	56
NTDB id 1191 AAC28468.1 484..945( )	.....MLKKVQKGFLLIEMMIVIAIIGILAAIALPAYQDYTARAQATEGFKATAGLQTDLG.....AW	58
NTDB id 1309 DR RS02825 WP 034349477.1	.....MKNTTQKGFLLIELLIVIAIIGILAAVLIIPNLLGARAKANDSATQSYIRNCYTAVE.....VA	57
NTDB id 247176 CCZ27 RS24605 WP 332460891.1	.....MMKKMQKGFLLIEMMIVVAIIGILAAIAPQFNEYRAKANDSSAQADVKNGLTVLT.....AA	58
NTDB id 1192 PAKAF RS23870 WP 024947914.1	.....MKAQKGFLLIEMMIVVAIIGILAAIAPQYQNYVARSEGASALASVNPLKTTVE.....EA	56
consensus	***!***!***!*****!*** * ** * * * * *	

logo

NTDB id 1383 A4U84 RS08530 WP 005711781.1  
 NTDB id 1354 HI 0299 AAC21963.1  
 NTDB id 1365 NTHI RS01955 WP 011271973.1  
 NTDB id 1007 ACIAD RS15000 WP 004923844.1  
 NTDB id 1062 ABD1 RS15720 WP 000788345.1  
 NTDB id 1136 NGFG RS02420 WP 003687912.1  
 NTDB id 1415 SGL RS07945 WP 010872381.1  
 NTDB id 1088 NMV RS07470 WP 173277181.1  
 NTDB id 1140 NGFG RS02440 WP 025455870.1  
 NTDB id 1033 TT RS11945 WP 011173287.1  
 NTDB id 1006 ACIAD RS15005 WP 004923843.1  
 NTDB id 1109 OK783 RS10670 WP 157147416.1  
 NTDB id 1119 NGFG RS11465 WP 017147169.1  
 NTDB id 1002 ACIAD RS15100 WP 004923779.1  
 NTDB id 1292 VP RS12235 WP 005479693.1  
 NTDB id 1197 PSJM300 03940 AFN76866.1  
 NTDB id 1204 PSJM300 03935 AFN76865.1  
 NTDB id 1274 LPP RS09530 WP 011214168.1  
 NTDB id 1258 GCO85 RS09745 WP 014844212.1  
 NTDB id 1184 GTF74 RS02335 WP 000649326.1  
 NTDB id 1167 A1552VC RS11065 WP 000649326.1  
 NTDB id 1160 ABDM36 RS02330 WP 000649326.1  
 NTDB id 1079 FDQ49 RS11140 WP 022575996.1  
 NTDB id 1188 NELON RS01755 WP 003772458.1  
 NTDB id 1400 DSB67 RS12660 WP 010643261.1  
 NTDB id 1424 RS RS02795 WP 011000517.1  
 NTDB id 1038 HON27 RS01510 WP 000993725.1  
 NTDB id 1191 AAC28468.1 484..945( )  
 NTDB id 1309 DR RS02825 WP 034349477.1  
 NTDB id 247176 CCZ27 RS24605 WP 332460891.1  
 NTDB id 1192 PAKAF RS23870 WP 024947914.1  
 consensus

IYNVGDKK.....ISECSSG.....KNGVVR.....ADKSD.....VPDAKYLKSISV.....A 101  
 VYSTNE.....TTCTGG.....KNGIA.....ADIKT.....AKGYVASVIT.....Q 96  
 VYSTNE.....TTNCTGG.....KNGIA.....ADITT.....AKGYVKSVTT.....S 96  
 KMVNHG.....YANA.SLAG.....LGNAA...SYPVTG.....TAFYTLNLAVDSD.....NQ 96  
 KMVNNR.....YPSNATIQS.....IYGSN...VSPLQG.....KALYTLAFTTL.N.....DS 94  
 ICPVQVKK.DGAPNNRCDFS...KKGRGMLAFGDKNGNKAYDNDT.....VDVFLRSVVLNDT..... 121  
 FTEKGT....FATDTETLEVPAP.....DGNFFSFA.VNTADNTEAIQD..ATAL 114  
 ILKNPLDDNQTIKSKLERFV.....SGYK.....MNPKI.....AEKYNVSVHF..V.....N..... 96  
 ILKNPQDDNDILKSKLEIFV.....SGYK.....MNPKI.....AKKYSVSVRF..V.....D..... 96  
 QIDNNS.....YTSNQAALI.....SLGLK.....STPANVTFSIVSASANSYCMI..... 97  
 RSRNFS.....YKGFDATYLYQDKSGQT.LAKF.....DSTKQIVQLPLDTSNTKYTL.AVVDTTTTNPLLTSAANAIGQ 124  
 YLNHGI.....WPKDNTS.....AGVA.....SA.STI.....KGKYVQKVEV.....A 90  
 YLNHGK.....WPENNTS.....AGVA.....SPPTDI.....KGKYVKEVEV.....K 91  
 ILNAGA.....LVAGTPSTA.....GSSCVGVQEISAS.NATTNV.....ATATCG.....ASS 99  
 YQENGI.A...AAATLAQL.....GVD.....VAANDL.....GA.....I.....DSA...LA 93  
 INEGKTPS...LTSTDEGY.....IGIT.....DST.....SYCDVD.....L...DT 90  
 ISEGHTPS...LVSSLPGF.....IGIG.....AST.....NYCTVT.....L...IA 92  
 AITNNA.....LPATQAATG.....YVSPAATPNV.....ASI.AIGA 87  
 AITNNA.....LPATQAATG.....YVSPAATPNV.....QSI.AIGA 87  
 IATEGS.....FPATTAGT.....AAGFT.....RLGT.....VED...MG 89  
 IATEGS.....FPATTAGT.....AAGFT.....RLGT.....VED...MG 89  
 IATEGS.....FPATTAGT.....AAGFT.....RLGT.....VED...MG 89  
 LQAGTC....FAGGATAV.....TAADKV.....SGKYGD.....AE.IGGT 88  
 FQTDGITG...MTAAAKAFNKTAAGGGAGGAA.....AAGTQH.....ASKYVK..SV.KV.....TE...AS 107  
 AHEHAA.D...AGAFKTKCH..QTANGIPA.....AFTLNNL.TV.....TPA.AGAA 101  
 AANAQS.D...LSVGSS.....VF.....TPTKNV.....ANLT..IAG...T.....GTV..... 96  
 VNEG...A...VPTKLSDBG.....FT.....AATSSV.....CATY.SIDAF.TE.....T..... 90  
 RADR.G.S...FPNAAALVA.....GNV...IF.....DSANGL.....DGKYFAPGGV.TV.....TPD..... 99  
 RGAD.G.R...LPAA.GNCD.....STANL.....GT.....NAV.AT..... 83  
 QK..... 60  
 LSRG.W.S...VKSQTGTED..ATKKEVPLGVA.....ADANKL.....GT.....IAL.KP.....DPA..... 98

\*

\*



logo

NTDB id 1383 A4U84 RS08530 WP 005711781.1  
 NTDB id 1354 HI 0299 AAC21963.1  
 NTDB id 1365 NTHI RS01955 WP 011271973.1  
 NTDB id 1007 ACIAD RS15000 WP 004923844.1  
 NTDB id 1062 ABD1 RS15720 WP 000788345.1  
 NTDB id 1136 NGFG RS02420 WP 003687912.1  
 NTDB id 1415 SGL RS07945 WP 010872381.1  
 NTDB id 1088 NMV RS07470 WP 173277181.1  
 NTDB id 1140 NGFG RS02440 WP 025455870.1  
 NTDB id 1033 TT RS11945 WP 011173287.1  
 NTDB id 1006 ACIAD RS15005 WP 004923843.1  
 NTDB id 1109 OK783 RS10670 WP 157147416.1  
 NTDB id 1119 NGFG RS11465 WP 017147169.1  
 NTDB id 1002 ACIAD RS15100 WP 004923779.1  
 NTDB id 1292 VP RS12235 WP 005479693.1  
 NTDB id 1197 PSJM300 03940 AFN76866.1  
 NTDB id 1204 PSJM300 03935 AFN76865.1  
 NTDB id 1274 LPP RS09530 WP 011214168.1  
 NTDB id 1258 GC085 RS09745 WP 014844212.1  
 NTDB id 1184 GTF74 RS02335 WP 000649326.1  
 NTDB id 1167 A1552VC RS11065 WP 000649326.1  
 NTDB id 1160 ABDM36 RS02330 WP 000649326.1  
 NTDB id 1079 FDQ49 RS11140 WP 022575996.1  
 NTDB id 1188 NELON RS01755 WP 003772458.1  
 NTDB id 1400 DSB67 RS12660 WP 010643261.1  
 NTDB id 1424 RS RS02795 WP 011000517.1  
 NTDB id 1038 HON27 RS01510 WP 000993725.1  
 NTDB id 1191 AAC28468.1 484..945( )  
 NTDB id 1309 DR RS02825 WP 034349477.1  
 NTDB id 247176 CCZ27 RS24605 WP 332460891.1  
 NTDB id 1192 PAKAF RS23870 WP 024947914.1  
 consensus

.....	SLFPANF	CGQKATP	.....	154
.....	SLFPANF	CGSVTK	.....	149
.....	SLFPANF	CGSVTQ	.....	149
.....			.....	144
.....			.....	141
LTDARAVSDADKKFRSAVVLINSSGRVEV	CRKNDTRAVCKH	.....	.....	220
.....	RAFSTVV	CRAEAGSEDTPTPPGGANDCGGAEVIK	.....	168
.....	HLETLSSDVG	CEAFSNRKK	.....	157
.....	YLETLSANTG	CEAFSNRKK	.....	157
.....	KTNTAVTSSQ	PESCP	.....	131
.....	ANISSSS	CGTGSESW	.....	169
.....	DANNAIDTKHL	PSTCRDESSAT	.....	164
.....	KDGKEIDTKHL	PSTCRDKASDAK	.....	166
.....	KKYVP	PSECRG	.....	147
.....	IAVDG	CS	.....	139
.....	AKYK	PGKCS	.....	139
.....	SRYK	PGKCL	.....	141
.....	LAKYR	PASCRP	.....	136
.....	LAKYR	PASCRP	.....	136
.....	SEIAPKG	CTAGATIN	.....	153
.....	SEIAPKG	CTAGATIN	.....	153
.....	SEIAPKG	CTAGATIN	.....	153
.....	TPVELLPQSFVAS	.....	.....	142
.....	VAVGTLPAKYA	PSECK	.....	188
.....	AVQTSYCP	.....	.....	154
.....	TMSLAAKYAPAECR	.....	.....	168
.....	TEFL	PKGCTAGTPTEGAITSL	.....	149
.....	IETRRL	PTS	CQ*	153
.....	E	GTGATGACTFSTSTGTGTGTGTGTGTGTGTG	GSN	158
.....	E	..QFI	PKGCSK	60
.....	E	..QFI	PKGCSK	150

⊠ non conserved  
 ✖ similar  
 ⊠ ≥ 50% conserved