

logo

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NTDB id 1355 HI 0298 AAC21962.1
NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 199110 BG562 RS04620 WP 006251341.1
NTDB id 1384 A4U84 RS08525 WP 010787006.1
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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MSA: **MLTNLSTVLRQAGIL** **VFEG** **LLT** **IQEQ** **LL** **EQVK** **AK** **KIS** **ME** **Y** **LL** **SS** **GL** **ST** **Q** **ET** **Q** **LS** **FG** **LP** **TD** **LS** **SP** **AL** **W**
..... **MTSYA** **LLHTQ** **RVT** **AKNGE** **VFTT** **SPDLW** 27
..... **MTSYA** **LLHTQ** **RVT** **AQNGE** **IFTT** **SPDLW** 27
..... **MEYS** **V** **TDLNSQR** **FIEISAEQW** 21
..... **MSQYT** **I** **CEQ** **QTER** **IFD** **ISPSRW** 22
..... **MLTNLVAI** **LRQAEL** **I** **ISATQE** **QAV** **V** **TQVSASGT** **SVPEAL** **LELS** **IFHAQ** **EL** **TE** **Q** **LS** **HIF** **GL** **PET** **DL** **SR** **DYANL** 72
..... **MLTNLSTVLRQAGIL** **TFSQEESL** **LEQVKASGIS** **MP** **EA** **LLSSGFF** **QSH** **EL** **TEH** **SSV** **FGLSCT** **SLNQ** **YEY** **ASL** 72
..... **MHSNLSTILRQKGL** **TFSQEESL** **IEQVKASGIS** **MP** **EA** **LLSSGFFT** **SS** **EL** **A** **HL** **SS** **IFGLS** **QP** **EL** **SL** **QY** **EY** **ASL** 72
MA **LATEEY** **RLQ** **GIGQL** **LVLEKLL** **DKTKA** **IELHKL** **AAA** **EKIS** **LLQV** **IVKNK** **IL** **SAE** **Q** **I** **ALTA** **AQN** **F** **GV** **P** **MLD** **INC** **TD** **VGTI** 80
MSA **FTTPPKFS** **SGF** **IRRL** **LV** **EEGY** **VNAQNM** **QAL** **E** **KAKK** **FKQ** **DIVP** **YL** **IDN** **F** **S** **I** **SPLT** **IA** **E** **IT** **S** **L** **F** **G** **E** **P** **L** **L** **D** **LG** **V** **F** **D** **P** **ALF** 80
MSA **LHTSPKFT** **G** **FFRR** **LV** **EEKH** **V** **SAAT** **M** **QTAL** **DAAKRA** **KQD** **TVA** **YL** **I** **EEV** **HL** **SP** **SL** **LA** **E** **IT** **S** **A** **E** **F** **A** **E** **P** **Y** **F** **D** **L** **D** **V** **Y** **T** **S** **QI** 80
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consensus

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ERNQQQSSLLRRYFALPLKEENNRLWLGLVDSLSNLSACETIAFITGKPVPEIILLESSQLKELLQQLTPNQMQVE...EQ 103
ERNQQQSSLLRRYFALPLKEENNRLWLGLVDSLSNLSACETIAFITGKPVPEIILLESSQLKELLQQLTPHQMQVE...EQ 103
QKNCEEKQILLRYLAVPLQETAELWLGIDDMQNLNACEIFAFIYHKQIEPVLISSEELKFLNLSPQEQQSQPSEIYEE 101
QKNCEEKQILLRYLAVPVQETEHLWLAVDDENNLTACEIFAFMTHKQIEPVVIASDELKYLLNALSPEQQ...PIYEE 98
CQQLGLRELITRDALPIAKQGNNLLLAVSDPTLLQAEEFFRFATGLQVELALADHRAAQAAIRRLYGRSTIGGAANQGKE 152
CQTGLGLRLITRHNAALPLNRSTSLLILAVADPTLNQAEDDFRATGLQVELVLADFRELTAAIRLYGRSLGHEKSGLKE 152
CQQLGLRELITRHNAALPHLRTPSTLLILAVADPTNQAEDDFRATGLQVELVLADFRELSTAIRRLYGRSLGHEKSGLKE 152
PVNLVNEKLIKRHAMVPLFSRGNTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE 160
LKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMD AIRFNSKLLKVEPIIVEHDKLERLLSEHFVEETHFNFDTE.. 158
PKDLVDQKLILKHRIPLLIQRGQILYVATSNPSNIEAIDAIRFNSKLLLVPEPVIVEHHKKLEKVLGQHFAESSFDFNDE.. 158

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consensus

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[illegible]

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consensus

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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus
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NTDB id 1355 HI 0298 AAC21962.1	ANSCDCHQGYRGRIGVYQFLHWQQ.....ND.....YQTD	FKNLRASGLEK	445
NTDB id 1366 NTHI RS01950 WP 011271972.1	INSCDCHQGYRGRIGVYQFLHWQQ.....NG.....YQTD	FENLRRESGLEK	445
NTDB id 199110 BG562 RS04620 WP 006251341.1	C..EHCYQGYKGRIGVYQLLNRSA.....KNFEKNTACLD	FKTLADSAKEK	446
NTDB id 1384 A4U84 RS08525 WP 010787006.1	C..DECYQGYRGRIGVYQCLSRTA.....KKFDKQTAYLD	FSSLRSAKQK	443
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LQSQFAFQPNIEI...LYEANAAGCNECTG	CYSGRVGIYEVMAFNTELAEATMQRASIHQIERLAKANGMQTLQESGLEK	545
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LQH.IGIANTEQ...IFQANPDGCNECTHG	YSGRGTGIYEVMMKFDESLSSEALIKGASVHELEKLAIANGMQTLQMSGIEK	544
NTDB id 1293 VP RS12240 WP 005479695.1	LQH.LGIQTTDN...IFRANPDGCNECTHG	YSGRGTGIYEVMMRFDESLSSEALIKGASVHELEKLAIANGMSTLQMSGIEK	544
NTDB id 1251 GC085 RS07725 WP 011946523.1	GLIELGFKEADLV..NLKLYKAVGCEQCT	SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGIEK	557
NTDB id 1018 ACIAD RS01685 WP 004920473.1	SLLEMGFTEPDLAQPEFQIFEPVGCHDC	REGYKGRVGIYEVMMKITPEISKIIMEDGNALEIAATAETLGFNNLRRSGLKK	553
NTDB id 1058 ABD1 RS01615 WP 001274986.1	SLLEMGFTEQDLAHPDFRVFQPVGCLE	CREGYKGRVGIYEVMMKVTPETISKIIMEDGNALEIAAASSEKLGFNNLRRSGLKK	553
consensus	** * *! !!!!!!!***** ** * ** * **** * ** ** * !***!		

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NTDB id 1355 HI 0298 AAC21962.1	VSQGITDEKEIERVLGKNL..	464
NTDB id 1366 NTHI RS01950 WP 011271972.1	VSQGITDEKEIERVLGKNS..	464
NTDB id 199110 BG562 RS04620 WP 006251341.1	ITEGKTNQAEIILRVLGNDENL	467
NTDB id 1384 A4U84 RS08525 WP 010787006.1	IEQQLTNETEVDRLVGYE...	461
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LRGITSFAELQRVLYF....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LKQGITSFRELQRVLYF....	561
NTDB id 1293 VP RS12240 WP 005479695.1	LKQGITSFSELQRVLYF....	561
NTDB id 1251 GC085 RS07725 WP 011946523.1	VKEGITTIEEVNVRTVD....	574
NTDB id 1018 ACIAD RS01685 WP 004920473.1	VMQGVTSLQEINRVTSE....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	VMQGVTSLQEVNVRTSE....	570
consensus	* ***!* !***!*	

- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved