

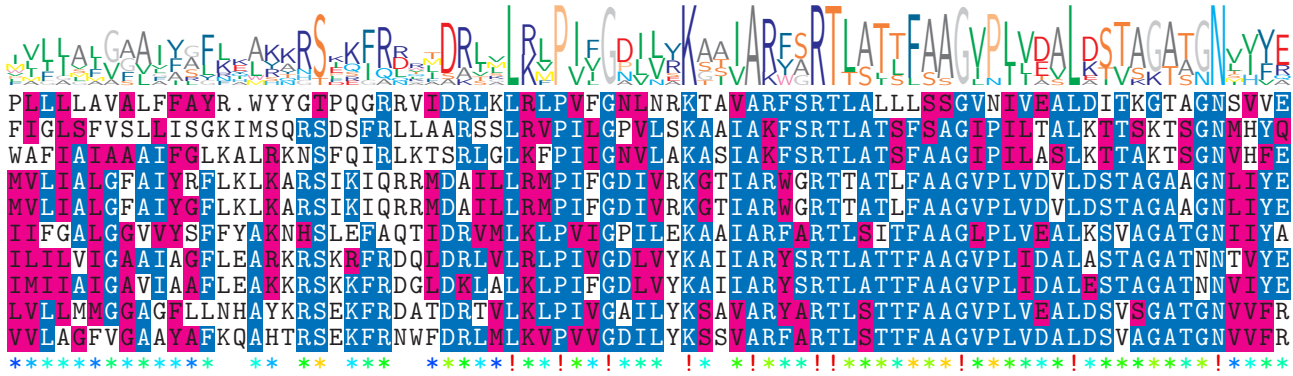
NTDB id 1029 TT RS02230 WP 011228203.1MPVYQYKARDRQGR.LVEATTEAEDLRTEAARLRDRGLFVAETKEPGKGLQAEVRIPALERGPGGLK 65
NTDB id 1402 DSB67 RS12670 WP 010643257.1 .MKT.....IAPQLKNYRMKGINSCKK.TSGNYLAMTEIEVRERLDAQHTIKIKLKKGSISFITK....ISHRVKKGK 67
NTDB id 1169 A1552VC RS11075 WP 000648511.1 MKAT.....QTLPLKNYRMKGINSNGKK.VSGQMLAISEIEVRDKLKDQHIQIKLKKGSVSLLAR....LTHRVKSK 68
NTDB id 1113 AAA85695.1 219..1451(.) .MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSATFEEEARKKLAKRGIRPLQITRVK.....T....SSKRKITQE 70
NTDB id 1112 NFGF RS09215 WP 003689811.1 .MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSATFEEEARKKLAKRGIRPLQITRVK.....T....SSKRKITQE 70
NTDB id 1252 GC085 RS07730 WP 011213805.1 .MDK.....NSPPLTLTFHYQGINKAGQK.MEGDIQARSLATAKADLRKQGVITNKVVKRRKPLFDR....KNKKITQA 67
NTDB id 1016 ACIAD RS01680 WP 004920476.1 MAAK.....KTQVMVPVFAYEGVDRKGKIK.LKGELPARNMALAKVTLRKQGITTRTIREKRNIFEG....LLKKKVKPL 69
NTDB id 1059 ABD1 RS01610 WP 000279215.1 MAVK.....KAQMMPTFAYEGVDRKGVK.LKGELPAKNMALAKVTLRKQGVTVRNIREKRNILEG....LFKKKVTTL 69
NTDB id 350658 CKAES1M RS04315 WP 003107299.1 .MAD.....KALKTSVFVWEGTDKKGTK.VKGELSSQNPTLVKAQLRKQGITPVKVRKKGISLLG.....AGKKIKPM 66
NTDB id 1198 PSJM300 03950 AFN76868.1 .MAQ.....KAIKNSVFTWEGTDKQGA.K.LKGELSGVSPALVKAQLRKQGINPVKVRKKGISLFS.....AGKKIKPM 66
consensus **** * ** ** ** ** * * * * * ! * * * * * * * * * *

NTDB id	1029	TT RS02230 WP 011228203.1	DIAIFSRQLATMIGAGITLLQALATLERQTENRKFREILKQVRTDVECGMAFSEALS KH .KIFSRLYVNLVRAGETSGGL	144
NTDB id	1402	DSB67 RS12670 WP 010643257.1	DITIFTRQIATMTGTGVPITVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDLIATGEQSSGNL	147
NTDB id	1169	A1552VC RS11075 WP 000648511.1	DITII L TRQLATMTTGTGVPITVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDLTLYVDL V ETGEMSGNL	148
NTDB id	1113	AAA85695.1 219..1451()	DITVFTRQLSTMINAGPLPMQAFEIVARGHGPN S MTEMLMEIRGGVEEQSSLSRAFSNHPKYFDRFYCNLVAAGETGGVL	150
NTDB id	1112	NFGF RS09215 WP 003689811.1	DITVFTRQLSTMKGAPLMQAFAEIVARHGHPNSMTEMLMEIRGGVEEQSSLSRAFSNHPKYFDRFYCNLVAAAGETGGVL	150
NTDB id	1252	GCO85 RS07730 WP 011213805.1	DITVFSRQLATMI E SGIPLVQAFDIVAKGQS N KRLKDLETIKHDLETGLTLAESLIKHPLYFNELFCNLVDAGEKSGSL	147
NTDB id	1016	ACIAD RS01680 WP 004920476.1	DIAIFTRQLATMMKAGVPLVQAFEIVAEGLENPAMRDVVILGLKNEVECGNTFAGALRKYPQYFDNLFCSLIESGEQSGSL	149
NTDB id	1059	ABD1 RS01610 WP 000279215.1	DITIFTRQLATMMKAGVPLVQGFEIVAEGLENPAMREVVILGIKGEVEGGSTFASALRKYPQHFDNLFCSLVESGEQSGAL	149
NTDB id	350658	CKAES1M RS04315 WP 003107299.1	DIALFTRQMSTMMAAGVPLLQSFDIISEGFDPNPNRKLVEEIKQEVAAGNSLANSLRKKPQQYFDLSYCNLVDAGEQSGAL	146
NTDB id	1198	PSJM300 03950 AFN76868.1	DIALFTRQMATMMKAGVPLLQSFDIIGEFGDPNPNRKLVD D LKQEVAAAGNSFASSLRKKPQQYFDDLYCNLVD S GEQSGSL	146
consensus			!*****!!**!*!*?!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

[illegible]

logo

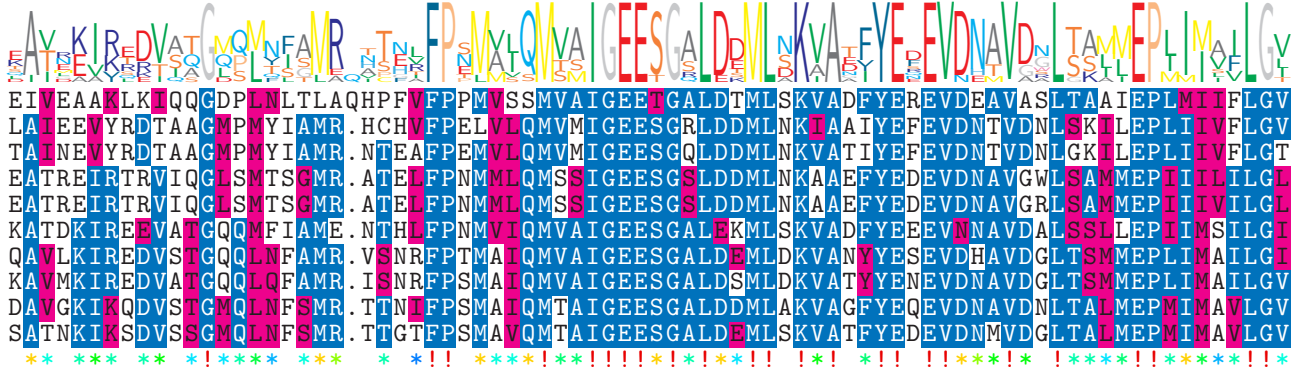
NTDB id 1029 TT RS02230 WP 011228203.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1113 AAA85695.1 219..1451()
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 350658 CKAES1M RS04315 WP 003107299.1
NTDB id 1198 PSJM300 03950 AFN76868.1
consensus



303
307
308
310
310
307
309
309
306
306

logo

NTDB id 1029 TT RS02230 WP 011228203.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1113 AAA85695.1 219..1451()
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 350658 CKAES1M RS04315 WP 003107299.1
NTDB id 1198 PSJM300 03950 AFN76868.1
consensus

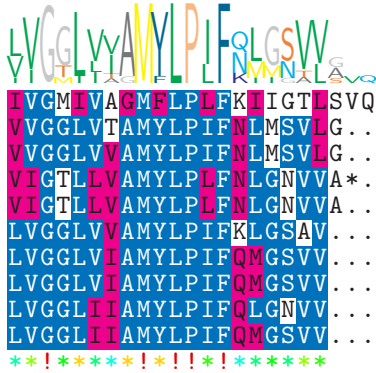


383
386
387
389
389
386
388
388
385
385

<0

logo

NTDB id 1029 TT RS02230 WP 011228203.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1113 AAA85695.1 219..1451()
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 350658 CKAES1M RS04315 WP 003107299.1
NTDB id 1198 PSJM300 03950 AFN76868.1
consensus



406
407
408
410
410
406
408
408
405
405

☒ non conserved
☒ similar
☒ ≥ 50% conserved