

logo

NTDB id 1110 NGFG RS09235 WP 003689817.1	MSXLSIGDRRLGAALLDQGYLDNBLQRALERHSEVGGRLAEVLYDSGLYSEERRIABXIEBFGIPLVNLHVRVEFBPKXK	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1306 DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 23093 GLL RS13765 WP 164929076.1		0
NTDB id 1410 SGL RS13950 WP 010873519.1		0
consensus		

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NTDB id 1110 NGFG RS09235 WP 003689817.1	SLTPEKKELEKLPFALBEEGRVVAFLNPLDLSIEYEDLSGLYEPYQTRAEFLMAIAKHYPELGLEYMPSGR	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1306 DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 23093 GLL RS13765 WP 164929076.1		0
NTDB id 1410 SGL RS13950 WP 010873519.1		0
consensus		

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NTDB id 1110 NGFG RS09235 WP 003689817.1	SSAGSTSKLGERLTHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFHPGEEVL	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1306 DR RS10060 WP 027479822.1	SDAGRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1028 TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTDGDLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 23093 GLL RS13765 WP 164929076.1		0
NTDB id 1410 SGL RS13950 WP 010873519.1		0
consensus		

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NTDB id 1110 NGFG RS09235 WP 003689817.1	LSMLLRSDALRYLAVPYDEENSEVMTSDPRK.....MSVGLLRILVQNQVTV	17
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAILRQAELISA	17
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQKGLLTF	17
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTF	17
NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRIGEQLVQEGTLSR	317
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 23093 GLL RS13765 WP 164929076.1	.....	0
NTDB id 1410 SGL RS13950 WP 010873519.1	MTSSSSSK.....KSRVALRNY...FSPFGNKLIVAGGHVDA	34
consensus		

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NTDB id 1110	NGFG RS09235 WP 003689817.1	EQAEHYYNES.QAGKEVLP.....MLFSDGVISPKSLAALITAR.....VFSY	58
NTDB id 1168	A1552VC RS11070 WP 000957200.1	TQEQAVVTQVSASGTSVPE.....ALLELSIFHAQELTEQLSH.....IFGL	59
NTDB id 1293	VP RS12240 WP 005479695.1	SQEESSLIEQVKASGISMPE.....ALLSSGFFTSSSELAEHLSS.....IFGL	59
NTDB id 1401	DSB67 RS12665 WP 010643259.1	SQEESSLIEQVKASGISMPE.....ALLSSGFFTSSSELAEHLSS.....VFG	59
NTDB id 1306	DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLVQSGKLSPEMLARSLAA.....QLGY	390
NTDB id 1028	TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVAT.....QLGY	390
NTDB id 23093	GLL RS13765 WP 164929076.1	MASAQRLFELKIRYGV	16
NTDB id 1410	SGL RS13950 WP 010873519.1	EQLRQALVQVKKTGRSLPE.....E.....LKAVTGRELSPELRLQYKKNQLFELKVLGYV	85
consensus		* * * ** ** * * *	

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NTDB id 1110	NGFG RS09235 WP 003689817.1	SILDLRHYPRH.....RVLMSGVLTEEQMVEFHCVPVFRRGDK...VFFAVSDPTQMPQIQKTVSAAG.....IAVELVIV	125
NTDB id 1168	A1552VC RS11070 WP 000957200.1	PETDLSRYDYA.....NLCQQLGLRELITRYDALPIAKQGNL...LLLAVSDPTLLQAEFFFRFATG.....LQVELALA	126
NTDB id 1293	VP RS12240 WP 005479695.1	SQPELSQYEYA.....SLCQQLGLRELITRHNALPLHRTPTST...LLLAVADPTNQQAEDDFRATG.....LQVELVLA	126
NTDB id 1401	DSB67 RS12665 WP 010643259.1	SCTSLNQYEYA.....SLCQTLGLRDLITRHNALPLNRTSST...LILAVADPTNLQAEDDFRATG.....LQVELVLA	126
NTDB id 1306	DR RS10060 WP 027479822.1	EFLDPIQNPPDPK.....VALMIPEATARRVVVPVRLQGNS...LVVAMKDPRNVFALDDLKLITG....KEILPAVM	457
NTDB id 1028	TT RS08215 WP 011173991.1	PYVDPEEDPPDPG....APLLLPEDLCRRYGVFPHRLEGNR...LVLLMKDPRNILALDDVRLALKRKGLNVEVAPAVA	462
NTDB id 23093	GLL RS13765 WP 164929076.1	AAFDPGGV..DPVRLRRLVESWLSIESCAHYRLLPVREEGV...LAVAMVDPERLEALDELQRRGRRLGLALR..RLAI	89
NTDB id 1410	SGL RS13950 WP 010873519.1	DSVDPEVAPIATQMAELIGRFFPLDTCRRFKFLPLIAQQEGDPPSVLVAMVDPDNLAQDELNRLILRVKGFELR..RLV	163
consensus		* * * * * * * * * * * * * * * * * * *	

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NTDB id 1110	NGFG RS09235 WP 003689817.1	EDDQIAGLIDWVGSRSTSLQLQELGEGQEE.....EESHTLYIDNEEAEDGPVPRFIHKTLSD	182
NTDB id 1168	A1552VC RS11070 WP 000957200.1	DHRAALQAAIRRLYGRSLSIQGAANQGKEISQDELANL.....VKVSDDELQSIEDLSQDDSPVSRFINQVLLD	192
NTDB id 1293	VP RS12240 WP 005479695.1	DFRELSTAIRRLYGRSLSHEKSGLKEINQEEELASL.....VDVGAEIDNIEDLSQDESPVSRYINQILLD	192
NTDB id 1401	DSB67 RS12665 WP 010643259.1	DFRELTAAIRRLYGRSLGQEKSGLKEINQDELAGL.....VDIGEDEIENIEDLSQDESPVSRYINQILLD	192
NTDB id 1306	DR RS10060 WP 027479822.1	AEKDIIRLIERYFGEKGFELKNKELAERN.....KTQQSQEADLSVADESAIVQVVDSITRE	514
NTDB id 1028	TT RS08215 WP 011173991.1	TEAAITKLIERYFYGKAELSEIAKEFAKKQ.....AEEEV...PSPLELDESAAQKFVKQVIRE	517
NTDB id 23093	GLL RS13765 WP 164929076.1	DAQDFATLLAACQAAP.....MGTDPESE.....AAGELEAPVVRLLSSQILDR	131
NTDB id 1410	SGL RS13950 WP 010873519.1	TQDDFNQLLEQYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKILAK	243
consensus		* ** * * * * * * * * * * * * * * * * *	

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NTDB id 1110	NGFG RS09235 WP 003689817.1	ALRSGASDIHFEPYEHNARIRFRVDGQLREVVQP.PIAVRGQLASRIKVM SRLDISEKRIPQDGRMQLTFQKGGKPVDFR	261
NTDB id 1168	A1552VC RS11070 WP 000957200.1	AVRKGASDIHFEPYENQYRIRLRCDGILVETQQP.ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMR	270
NTDB id 1293	VP RS12240 WP 005479695.1	AVRKGASDIHFEPYEMMYRVRRLRCDGILIEIQQP.PNHLSSRLSARIKILSKLDIAERRLPQDGRILKLNLQ.DTAIDMR	270
NTDB id 1401	DSB67 RS12665 WP 010643259.1	AVRKGASDIHFEPYENMYRVRRLRCDGILIEIQQP.PSHLSRRLSARIKILSKLDIAERRLPQDGRILKLNLQ.DTAIDMR	270
NTDB id 1306	DR RS10060 WP 027479822.1	AALQDASDIHIETTEDAVKVRYRIDGALRE.QNSFPKGAAQQTIMARLKIMGHLDIAERRVPQDGRVRFK..KGSIDLDR	591
NTDB id 1028	TT RS08215 WP 011173991.1	AFLQDASDIHIETRQNDVQVRLRIDGALRP.YSTLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRRY..EGAIDVDR	594
NTDB id 23093	GLL RS13765 WP 164929076.1	AVAEGASDIHIETPQAGVRVRRLRDGVLHEAGEPLSAELGLALVSRFKILSELDIAERRLPQDGRILHRR..VGERAVDFR	209
NTDB id 1410	SGL RS13950 WP 010873519.1	ALQEGTSDIHVEPQEEETLRIRFRKDGVLNQAFDPLRKITPAVVARFKIMADMDIAERRSPQDGRIRRI..YQGRKVDFR	321
consensus		! * * * * * * * * * * * * * * * * * * *	

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NTDB id 1110 NGFG RS09235 WP 003689817.1	VSTLPTLFG	341
NTDB id 1168 A1552VC RS11070 WP 000957200.1	VSTLPTLWGEKIVLRLLDSSAANL	350
NTDB id 1293 VP RS12240 WP 005479695.1	VSTLPTLFG	350
NTDB id 1401 DSB67 RS12665 WP 010643259.1	VSTLPTLFG	350
NTDB id 1306 DR RS10060 WP 027479822.1	LSTLPTVYGEKAVMRL	671
NTDB id 1028 TT RS08215 WP 011173991.1	LSTLPTVYGEKAVMRL	674
NTDB id 23093 GLL RS13765 WP 164929076.1	VSTLPGRFGEKV	289
NTDB id 1410 SGL RS13950 WP 010873519.1	VNTLPSRYGEKV	401
consensus	*****	

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NTDB id 1110 NGFG RS09235 WP 003689817.1	AEDPVEY	421
NTDB id 1168 A1552VC RS11070 WP 000957200.1	AEDPVEINLSGINQVQVPKIGFGFAEALRSFLRQDPDVMVGEIRDLETAIAKAAQTGHLVSLHTNAAATYRL	430
NTDB id 1293 VP RS12240 WP 005479695.1	AEDPVEINLSGINQVQVPKIGFGFAEALRSFLRQDPDVMVGEIRDLETAIAIKASQTGHLVSLHTNAAATYRL	430
NTDB id 1401 DSB67 RS12665 WP 010643259.1	AEDPVEIYLPGINQVQVPKIGFGFAEALRSFLRQDPDVMVGEIRDLETAIAIKASQTGHLVSLHTNAAATYRL	430
NTDB id 1306 DR RS10060 WP 027479822.1	IEDPIEYEPGIVQSQVNNSTGMTFARALRAFLRQDPDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVTRL	751
NTDB id 1028 TT RS08215 WP 011173991.1	IEDPVEYEIPGINQVQVPKIGFGFAEALRSFLRQDPDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAAQAITRL	754
NTDB id 23093 GLL RS13765 WP 164929076.1	AEDPVEYTLGITQVQVIREKGLDFARILRALLRQDPDVLVGETRDRETAQTAIEAALTGHMVLATLHTNDAAAGAVARL	369
NTDB id 1410 SGL RS13950 WP 010873519.1	AEDPIEYALPGITQVQVIREKGMDFSNILRAFMRLQDPDVLVGETRDKETAKTAIEAALTGHMVLATLHTNDAAAGATARL	481
consensus	*****	

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NTDB id 1110 NGFG RS09235 WP 003689817.1	LMGMVAPFNIASSVSL	487
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAVRPS.ALLQSQFAFQPNEL.....YEAANAAGCNE	492
NTDB id 1293 VP RS12240 WP 005479695.1	SNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQEH.VQL.QHLGIQTTDNI.....FRANPDGCNE	491
NTDB id 1401 DSB67 RS12665 WP 010643259.1	SNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEPN.SQL.QHIGIANTEQI.....FQANPDGCNE	491
NTDB id 1306 DR RS10060 WP 027479822.1	EEMGTENFNISAAVMGVLAQRLVRRVCSECKQPTNADP.EVLRLRLGISERDIR.....GANLMRGTCGPR	815
NTDB id 1028 TT RS08215 WP 011173991.1	DEMGMVEPFNISAALIGVLSQRILVRRVCEHCKVEVVKPDP.ETLRLRLGLSEAEIQ.....GARLYKGMGCER	818
NTDB id 23093 GLL RS13765 WP 164929076.1	RELGVAPYLIASALVGVLAQRLRLRLCGECKEAYVPPP.ERLARFGLTGGT.....YFRVRGQRGAACPG	433
NTDB id 1410 SGL RS13950 WP 010873519.1	DEMGMVEPFMVSGSLGLVLAQRLMRKVCTECR IAYHPSK.EELSRFGLSASGDEVVTFYKANSLSPEIHLARQKGNLCQK	560
consensus	*****	

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NTDB id 1110 NGFG RS09235 WP 003689817.1	CRGQGYKGRAGVYEVMPIS	558
NTDB id 1168 A1552VC RS11070 WP 000957200.1	CTG.GYSGRVGIYEVMAFNTELAELAIQMRASIHQIERLAK.ANGMQTLQESGLEKLRGITSFAELQRVLYF.....	562
NTDB id 1293 VP RS12240 WP 005479695.1	CTH.GYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAI.ANGMSTLQMSGIEKLKQGITSFSELQRVLYF.....	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	CTH.GYSGRTGIYEVMMKFDESLSEALIKGASVHELEKLAI.ANGMQTLQMSGIEKLKQGITSFRELQRVLYF.....	561
NTDB id 1306 DR RS10060 WP 027479822.1	CGGTGYKGRMGIHELMMVMDLSLRRTIGAGRPAAEIRDVALGESGLRSLRQDGEKALQGLTTLEEVLAVTAS.....	887
NTDB id 1028 TT RS08215 WP 011173991.1	CGGTGYKGRYAIHELVLVDDERHAIIVAGKSATEIKEIAR.RKGMKTLREDGLYKALQGITTLEEVLAERTIE.....	889
NTDB id 23093 GLL RS13765 WP 164929076.1	CGGVGYKGRVGVYELMSLGEHLRLQLIGREATTQTIREAAA.GGGMRSLLAGSLDLARAGVTSLEEVVLTSDTDQAGSP	512
NTDB id 1410 SGL RS13950 WP 010873519.1	CSGSYKGRVGVYEVMRNSERITAEILINQGATTDRIRKDCAV.EEGMITLLAYSINLVQEGYTTLEEVVLTFTDTGLESEM	639
consensus	*****	

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	RAKRRKSHETCRICSSQLSEWERCPYGMETPRFS	
NTDB id 1110 NGFG RS09235 WP 003689817.1		558
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 23093 GLL RS13765 WP 164929076.1	..AAASHPICRGCGGELHSEWPACPYCTLPRID	543
NTDB id 1410 SGL RS13950 WP 010873519.1	RAKRKSALTTCRTCAAELQEWLDCPYCMTSRFS	672
consensus		

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