

NTDB id 1410 SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
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 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id 1410 SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
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 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id 1410 SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDDLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
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 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus	.....	0

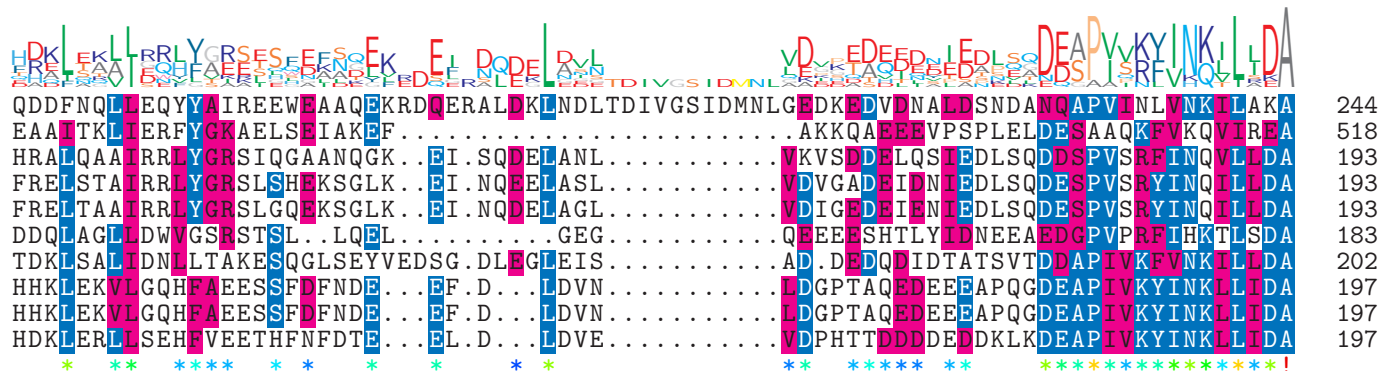
NTDB id 1410 SGL RS13950 WP 010873519.1	MTSSSS	6
NTDB id 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id	1410	SGL RS13950 WP 010873519.1	SKKSRVALRNYSFPFGNKL VAGGHVDAEQ RQALVGVKKTCGRS LPEELKAVTGRELSPPELLRQYKKNQLFELKVLYGVD	86
NTDB id	1028	TT RS08215 WP 011173991.1	KEA EVQKGLPRAKPLGEILVELGARPEDVEEALQKQRGGGRLEDTLVQ..SGKLRPEALAA.....VATQLGYP	391
NTDB id	1168	A1552VC RS11070 WP 000957200.1	MLTNLVAIRQAELISATQEAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSHIFGLS	60
NTDB id	1293	VP RS12240 WP 005479695.1	MHSNLSTLRQKGLTFSQESSLIEQVKASGISMPREALIS..SGFFTSSELAEH.....LSSIFGLS	60
NTDB id	1401	D5B67 RS12665 WP 010643259.1	MLNSTVLRRAGILLTFSQESSLEQVKASGISMPREALIS..SGFFQSHELTEH.....LSSVFGLS	60
NTDB id	1110	NGFG RS09235 WP 003689817.1	MSVGLRLRLVQNQVTVVEQAEHY..NESQAGKEVLPMLFS..DGVISPKS LAAL.....IARVFSYS	59
NTDB id	1251	GCO85 RS07725 WP 011946523.1	...MALATEEYFLQGIGQLLVLEKLLDKTKAIELHKLA AA EKISLIQYIVK..NKILSAEQIALT.....AAQNFQGP	68
NTDB id	1024256	AB3L01 RS17790 WP 001274987.1	...MSALHTSPKFTGFRRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....ISAFAEP	68
NTDB id	1058	ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTGFRRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....ISAFAEP	68
NTDB id	1018	ACIAD RS01685 WP 004920473.1	...MSAFITPPKFSGFIIRRLVEEGYVNAQNMQQALEKAKFKQDIVPYLID..NFSISPLTI AEI.....ISLEFGEP	68
consensus			* * * * *	

NTDB id	1410	SGL RS13950 WP 010873519.1	SVDPEVAPIATQQMAEIGRFFPLDTCRRFKFLPLAQQEGDPSSVLVAVMDPDNLAQDELNRILRVKGF..ELRRLVVT	164
NTDB id	1028	TT RS08215 WP 011173991.1	YVDPEEDPPDP.....GAPILLPEDLCRRYGVPFHRLE...GNRLVLLMKDPRNILA.DDVRLALKRKGLNYEVAPAVAT	463
NTDB id	1168	A1552VC RS11070 WP 000957200.1	ETDLISRYDYAN.....LCQQLGLRELITRYDALP.LAKQ...GNLLLLAVSDPTLLQAEEEFRFATG.....LQVELALAD	127
NTDB id	1293	VP RS12240 WP 005479695.1	QPPELSQVEYAS.....LCQQLGLRELITRHNALPLHRT...PSTLLAVADPTNQQAEDDFRFATG.....LQVELVLAD	127
NTDB id	1401	DSB67 RS12665 WP 010643259.1	CTSLNQVEYAS.....LCQTLLGLRDLITRHNALPLNRT...SSTLLIHAVADPTNLQAEDDFRFATG.....LQVELVLAD	127
NTDB id	1110	NGFG RS09235 WP 003689817.1	IIDLRIHYPRHR.....VLMGVLTTEEQMVEFHCVPVFRRL...GDKVFFAVSDPTQMPQIQKTVSAAAG.....IAVELVIVE	126
NTDB id	1251	GCO85 RS07725 WP 011946523.1	MIDINCIDVCT.....IPVNIVNEKLIKRHAMVPLFSR...GTINLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVE	135
NTDB id	1024256	AB3L01 RS17790 WP 001274987.1	YFDLDVYDTSQ.....TPKDLVDQKLLILKHRIPLLIQR...GGILYVATSNPSPNIEAIDAIRFNASK.....LLVEPVIVE	135
NTDB id	1058	ABD1 RS01615 WP 001274986.1	YFDLDVYDTSQ.....TPKDLVDQKLLILKHRIPLLIQR...GGILYVATSNPSPNIEAIDAIRFNASK.....LLVEPVIVE	135
NTDB id	1018	ACIAD RS01685 WP 004920473.1	LIDLGVDFPAL.....FLKDKIIDEKLIQKYRIMPLVHR...GHVLYVATSNPPTNIEAMDIAIRFNASK.....LKVEPIIVE	135
consensus			*** ** * * * * * * * * ! * * * * * * * * * * * * * *	

logo

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus



logo

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus



logo

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus



logo

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1

consensus



482
755
431
431
431
422
440
435
435
435

logo

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1

consensus

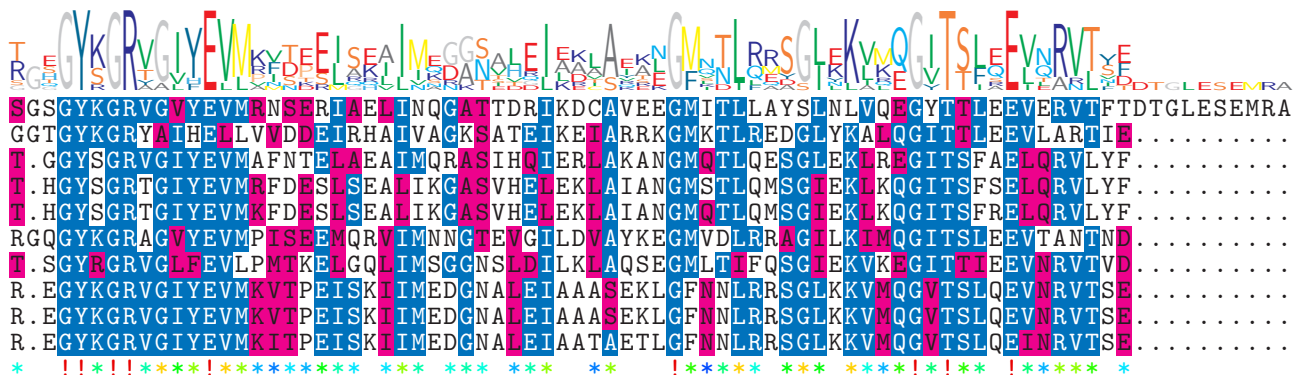


561
819
493
492
492
488
505
501
501
501

logo

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1

consensus



641
889
562
561
561
558
574
570
570
570

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
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 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1024256 AB3L01 RS17790 WP 001274987.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved