

logo

		MSXLSIGDRRLGAALLDQGYLGDNDLQRALERHSEVGGRLADVLDIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	
NTDB id 1410 SGL RS13950 WP 010873519.1		.....	0
NTDB id 1306 DR RS10060 WP 027479822.1		.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLDIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1028 TT RS08215 WP 011173991.1		MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1		.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		.....	0
NTDB id 330494 EHC66 RS03305 WP 140103792.1		.....	0
NTDB id 1293 VP RS12240 WP 005479695.1		.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1		.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1		.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		.....	0
consensus			

logo

		RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	
NTDB id 1410 SGL RS13950 WP 010873519.1		.....	0
NTDB id 1306 DR RS10060 WP 027479822.1		RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
NTDB id 1028 TT RS08215 WP 011173991.1		ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSEEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1168 A1552VC RS11070 WP 000957200.1		.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		.....	0
NTDB id 330494 EHC66 RS03305 WP 140103792.1		.....	0
NTDB id 1293 VP RS12240 WP 005479695.1		.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1		.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1		.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		.....	0
consensus			

logo

		SDAGRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	
NTDB id 1410 SGL RS13950 WP 010873519.1		.....	0
NTDB id 1306 DR RS10060 WP 027479822.1		SDAGRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1028 TT RS08215 WP 011173991.1		SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1168 A1552VC RS11070 WP 000957200.1		.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		.....	0
NTDB id 330494 EHC66 RS03305 WP 140103792.1		.....	0
NTDB id 1293 VP RS12240 WP 005479695.1		.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1		.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1		.....	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	MTS	3
NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRL LAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGR LGEQLVQEGTLSR	317
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLS DPRHKEAVAQLLNRPARFY LALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 330494 EHC66 RS03305 WP 140103792.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GCD85 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

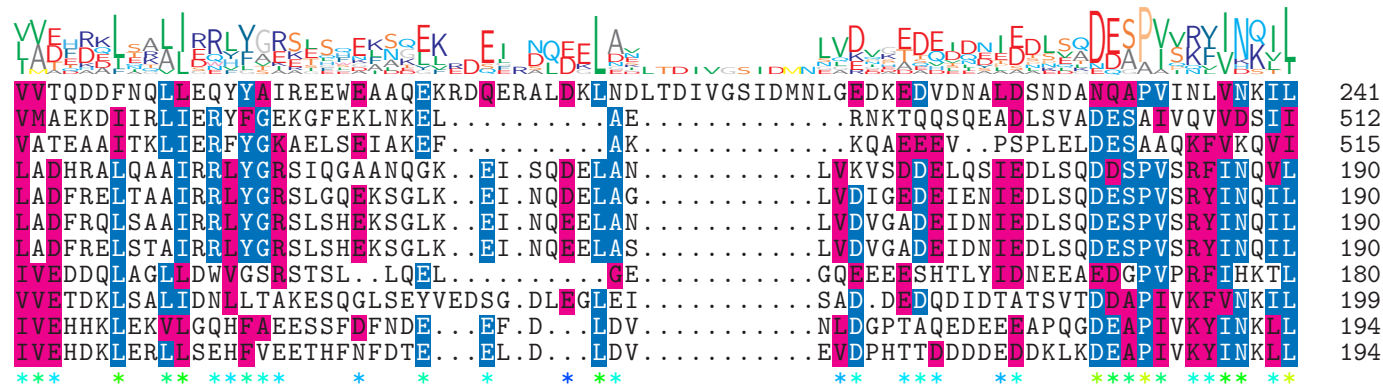
NTDB	id	1410	SGL	RS13950	WP	010873519.1	SSSSKKSRVAVALRNYFSPFGNKLVAGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPPELLRQYKKNQLFELKVLY	83
NTDB	id	1306	DR	RS10060	WP	027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDVEDSALQKQNVGGRLDRTLVLQ..SGKLSPEMLARS.....LAAQL	388
NTDB	id	1028	TT	RS08215	WP	011173991.1	EALKEALEVQKGLPRAKPLGEILVELGIARPEDVEEALQKQRGGGRLDRTLVLQ..SGKLRPEALAQA.....VATQL	388
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	MLTNLVAAILRQAELISATQEQAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSHF	57
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	MLTNLSTVLRLQAGILTFSQEESLLEQVKASGISMPALLS..SGFFQSHELTEH.....LSSVF	57
NTDB	id	330494	EHC66	RS03305	WP	140103792.1	MITNLTSTILRQAGLLTFSQEESLLEQVKASGISMPALLS..SGLFTSSELAEH.....LSSLF	57
NTDB	id	1293	VP	RS12240	WP	005479695.1	MHSNLTSTILRQKGLLTFSQEESLLEQVKASGISMPALLS..SGFFTSSSELAEH.....LSSIF	57
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	MSVGLLRLVLQNQVVTVQAEHY..NESQACKEVLPLMFS..DGVIISPKS LAAL.....LARVF	56
NTDB	id	1251	GC085	RS07725	WP	011946523.1	MALATEEYRLQGIGQLLVLEKLIDKTKAIELHLKAAAEEKISLLQYIVK..NKILSAEQIALT.....AAQNF	65
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	MSALHTSPKFTGFFRRLVEEKHVS AATMQTALDAAKRAKQDTVAYLIE..EVHLSPSL LAET.....ISAEF	65
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	MSAFTTPPKFSGFIRRLVEEGYVNAQMMALEKAKKFQKDITVPYLID..NFS ISPLTIAEI.....ISLEF	65
consensus							* * * * *	

NTDB id 1410 SGL RS13950 WP 010873519.1	GVDSDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPSPVLVAMVDPDNLAQDELNRILRVKGF..ELRRL	161
NTDB id 1306 DR RS10060 WP 027479822.1	GVEFLDIQNPPD....PKVALMPEATARRVVVPVRLQ...GNSLVVAMKDPRNVFALDDLKLITG.....KEILPA	455
NTDB id 1028 TT RS08215 WP 011173991.1	GYPYVDEEDPPD....PGAPLLLPEDLCRRYGVFPHRLE...GNRLVILMKDPRNILALDDVRLALKRKGLNYEVAPA	460
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GIPETDLISRYDYA.....NLCQQLGLRELITRYDALPIAKQ...GNLLLLAVSDPTLLQAEEEFRFATG.....LQVELA	124
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYA.....SLCQTLLGLRLITRHNAFLPNRT...SSTLLIHAVADPTNLQAEDDFRFATG.....LQVELV	124
NTDB id 330494 EHC66 RS03305 WP 140103792.1	SLSQPESLQYEYA.....SLCQQLGLRELITRHNAFLPLQRT...PSTLLLAVADPTNQQTEDDFRFATG.....LQVELV	124
NTDB id 1293 VP RS12240 WP 005479695.1	GLSQPELSQYEYA.....SLCQQLGLRELITRHNAFLPLHRT...PSTLLLAVADPTNQQAEDDFRFATG.....LQVELV	124
NTDB id 1110 NGFG RS09235 WP 003689817.1	SYSILDLRHYPRH....RVLMGVLTTEEQMVEFHCVPFRR...GDKVFFAVSDPTQMPQIQKTIVSAAG.....IAVELV	123
NTDB id 1251 GC085 RS07725 WP 011946523.1	GVPMLDINCIDVG....TIPVNLVNEKLIKRRHAMVPLFSR...GTNLYLATDPSKQASLKIEIQFHTG.....LNTHAI	132
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTS....QIPKDLVDQKLLKKHRILLPLIQR...GQILYVATSNPSTNTEAIDAIRFNASK.....LLVEPV	132
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GEPLLDLGVEDPA....LFLKDKIDEKLIQKYRIMPLVHR...GHVLYVATSNPTNIEAMDIAIRFNASK.....LKVEPI	132
consensus	* * * * *	

```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330494 EHC66 RS03305 WP 140103792.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330494 EHC66 RS03305 WP 140103792.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

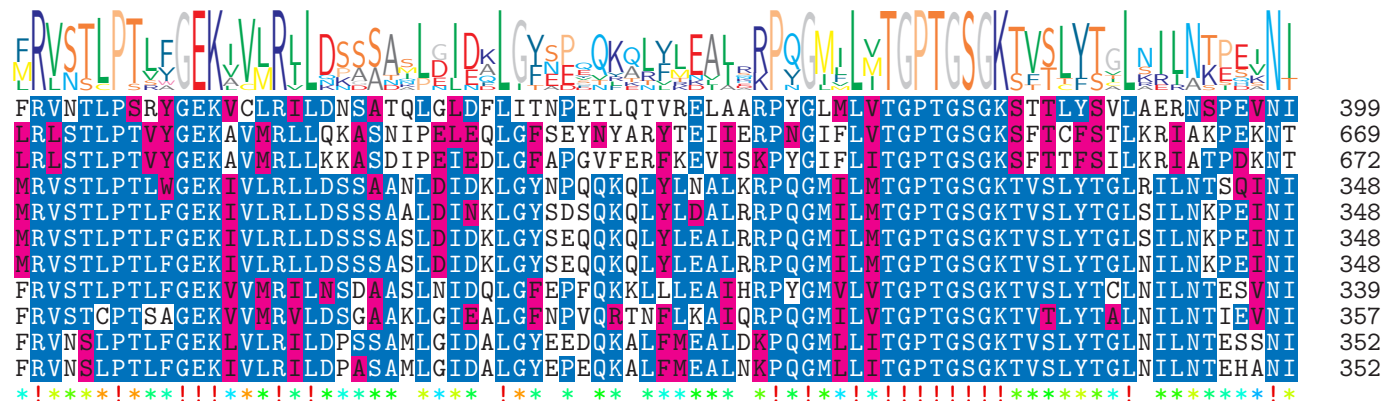
```



```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330494 EHC66 RS03305 WP 140103792.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

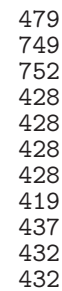
```




```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330494 EHC66 RS03305 WP 140103792.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

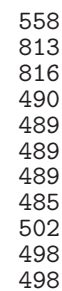
```



```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330494 EHC66 RS03305 WP 140103792.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

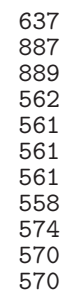
```



```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330494 EHC66 RS03305 WP 140103792.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
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	EMRAKRRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 330494 EHC66 RS03305 WP 140103792.1	.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved