

logo

NTDB id 1306 DR RS10060 WP 027479822.1	MALSI GDRRLGAILLDQGYLGDN DLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR	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 306975 BRN52 RS16555 WP 011408072.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

logo

NTDB id 1306 DR RS10060 WP 027479822.1	SIRPQTALNLQAFPPFALEGDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA	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 306975 BRN52 RS16555 WP 011408072.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

logo

NTDB id 1306 DR RS10060 WP 027479822.1	GRTGGKLGGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM	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 306975 BRN52 RS16555 WP 011408072.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

logo

NTDB id 1306 DR RS10060 WP 027479822.1	LRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGR LGEQLVQEGT LSRDQL	320
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVA I LRQAELISATQ.	19
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQKGLLTFSQ.	19
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSSQ.	19
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVVTVEQ.	19
NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQGTGQLLVLEKLLDKTK.	27
NTDB id 306975 BRN52 RS16555 WP 011408072.1	MNSVSTTNLVGITGIARRLVQDGALEETA.	29
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MS..ALHTSPKFTGFFRRLVEEKHVSAAAT.	27
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MS..AFTTPPKFSGFIRRLVEEGYVNAQN.	27
consensus	*** *!***** **	

logo

NTDB id 1306 DR RS10060 WP 027479822.1	REALQVQAREGKVKPLGEVITELGFASPD	400
NTDB id 1168 A1552VC RS11070 WP 000957200.1	REALQVQAREGKVKPLGEVITELGFASPD	69
NTDB id 1293 VP RS12240 WP 005479695.1	REALQVQAREGKVKPLGEVITELGFASPD	69
NTDB id 1401 DSB67 RS12665 WP 010643259.1	REALQVQAREGKVKPLGEVITELGFASPD	69
NTDB id 1110 NGFG RS09235 WP 003689817.1	REALQVQAREGKVKPLGEVITELGFASPD	68
NTDB id 1251 GC085 RS07725 WP 011946523.1	REALQVQAREGKVKPLGEVITELGFASPD	77
NTDB id 306975 BRN52 RS16555 WP 011408072.1	REALQVQAREGKVKPLGEVITELGFASPD	79
NTDB id 1058 ABD1 RS01615 WP 001274986.1	REALQVQAREGKVKPLGEVITELGFASPD	77
NTDB id 1018 ACIAD RS01685 WP 004920473.1	REALQVQAREGKVKPLGEVITELGFASPD	77
consensus	REALQVQAREGKVKPLGEVITELGFASPD	

logo

NTDB id 1306 DR RS10060 WP 027479822.1	DPKVALMIP	480
NTDB id 1168 A1552VC RS11070 WP 000957200.1	DPKVALMIP	149
NTDB id 1293 VP RS12240 WP 005479695.1	DPKVALMIP	149
NTDB id 1401 DSB67 RS12665 WP 010643259.1	DPKVALMIP	149
NTDB id 1110 NGFG RS09235 WP 003689817.1	DPKVALMIP	148
NTDB id 1251 GC085 RS07725 WP 011946523.1	DPKVALMIP	157
NTDB id 306975 BRN52 RS16555 WP 011408072.1	DPKVALMIP	159
NTDB id 1058 ABD1 RS01615 WP 001274986.1	DPKVALMIP	157
NTDB id 1018 ACIAD RS01685 WP 004920473.1	DPKVALMIP	157
consensus	DPKVALMIP	

logo

NTDB id 1306 DR RS10060 WP 027479822.1	ELA	547
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ELA	225
NTDB id 1293 VP RS12240 WP 005479695.1	ELA	225
NTDB id 1401 DSB67 RS12665 WP 010643259.1	ELA	225
NTDB id 1110 NGFG RS09235 WP 003689817.1	ELA	215
NTDB id 1251 GC085 RS07725 WP 011946523.1	ELA	234
NTDB id 306975 BRN52 RS16555 WP 011408072.1	ELA	238
NTDB id 1058 ABD1 RS01615 WP 001274986.1	ELA	229
NTDB id 1018 ACIAD RS01685 WP 004920473.1	ELA	229
consensus	ELA	

logo

NTDB id 1306 DR RS10060 WP 027479822.1	FPGKA	625
NTDB id 1168 A1552VC RS11070 WP 000957200.1	FPGKA	304
NTDB id 1293 VP RS12240 WP 005479695.1	FPGKA	304
NTDB id 1401 DSB67 RS12665 WP 010643259.1	FPGKA	304
NTDB id 1110 NGFG RS09235 WP 003689817.1	FPGKA	295
NTDB id 1251 GC085 RS07725 WP 011946523.1	FPGKA	313
NTDB id 306975 BRN52 RS16555 WP 011408072.1	FPGKA	317
NTDB id 1058 ABD1 RS01615 WP 001274986.1	FPGKA	308
NTDB id 1018 ACIAD RS01685 WP 004920473.1	FPGKA	308
consensus	FPGKA	

```

NTDB id 1306 DR RS10060 WP 027479822.1
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 306975 BRN52 RS16555 WP 011408072.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



```

NTDB id 1306 DR RS10060 WP 027479822.1
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 306975 BRN52 RS16555 WP 011408072.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



```

NTDB id 1306 DR RS10060 WP 027479822.1
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 306975 BRN52 RS16555 WP 011408072.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



```

NTDB id 1306 DR RS10060 WP 027479822.1
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 306975 BRN52 RS16555 WP 011408072.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



 non conserved
 similar
 $\geq 50\%$ conserved