

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DQC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

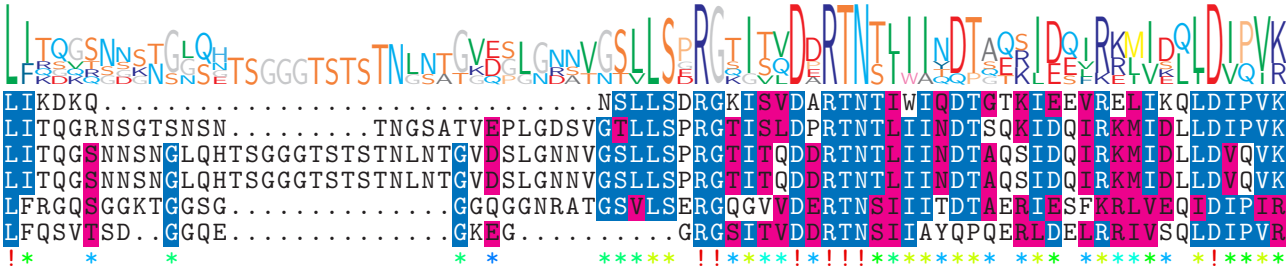
```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

logo

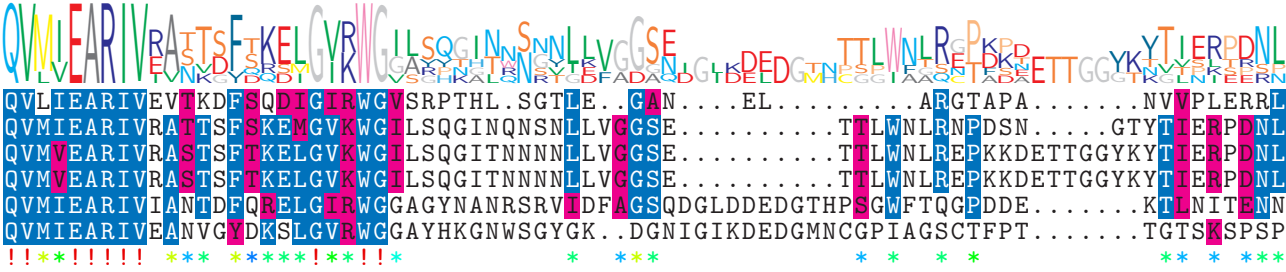
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus



432
446
454
454
451
448

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus



489
511
524
524
524
519

logo

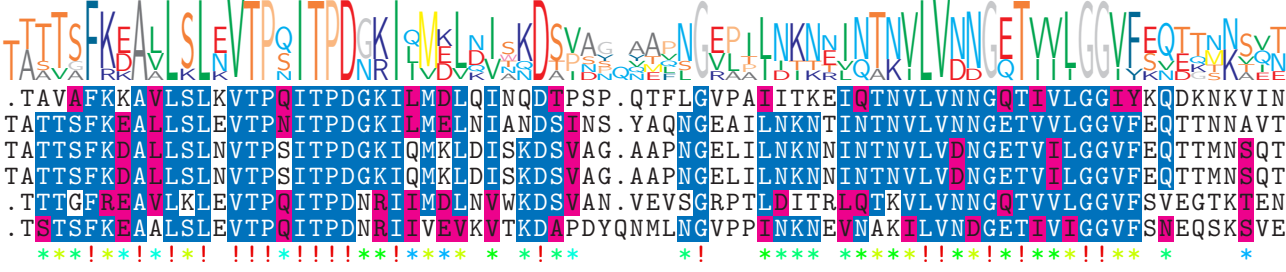
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus



566
586
598
598
595
590

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus



644
665
677
677
673
669

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 310790 DOC16 RS13380 WP 151032844.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus



698
709
721
721
715
714

 non conserved
 similar
 $\geq 50\%$ conserved