

|                                             |                                                                                   |    |
|---------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1410 SGL RS13950 WP 010873519.1     | .....                                                                             | 0  |
| NTDB id 1306 DR RS10060 WP 027479822.1      | MALSIGDRRLGAILLDQGYLGDNLDLRALERHSEVGGRLADVLDIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR | 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 409226 GQA94 RS08045 WP 158187520.1 | .....                                                                             | 0  |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....                                                                             | 0  |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....                                                                             | 0  |
| consensus                                   |                                                                                   |    |

| NTDB id        | Accession                      | Sequence                                                                           | Score |
|----------------|--------------------------------|------------------------------------------------------------------------------------|-------|
| NTDB id 1410   | SGL RS13950 WP 010873519.1     | .....                                                                              | 0     |
| NTDB id 1306   | DR RS10060 WP 027479822.1      | SIRPQTALNLQAFPPFALEGGDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA | 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 409226 | GQA94 RS08045 WP 158187520.1   | .....                                                                              | 0     |
| NTDB id 1058   | ABD1 RS01615 WP 001274986.1    | .....                                                                              | 0     |
| NTDB id 1018   | ACIAD RS01685 WP 004920473.1   | .....                                                                              | 0     |
| consensus      |                                |                                                                                    |       |

| NTDB id        | Accession                      | Sequence                                                                          | Score |
|----------------|--------------------------------|-----------------------------------------------------------------------------------|-------|
| NTDB id 1410   | SGL RS13950 WP 010873519.1     | .....                                                                             | 0     |
| NTDB id 1306   | DR RS10060 WP 027479822.1      | GRTGGKLGGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFHPGEEVLGSM | 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 409226 | GQA94 RS08045 WP 158187520.1   | .....                                                                             | 0     |
| NTDB id 1058   | ABD1 RS01615 WP 001274986.1    | .....                                                                             | 0     |
| NTDB id 1018   | ACIAD RS01685 WP 004920473.1   | .....                                                                             | 0     |
| consensus      |                                |                                                                                   |       |

logo

NTDB id 1410 SGL RS13950 WP 010873519.1  
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 409226 GQA94 RS08045 WP 158187520.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1  
consensus

[illegible]

logo

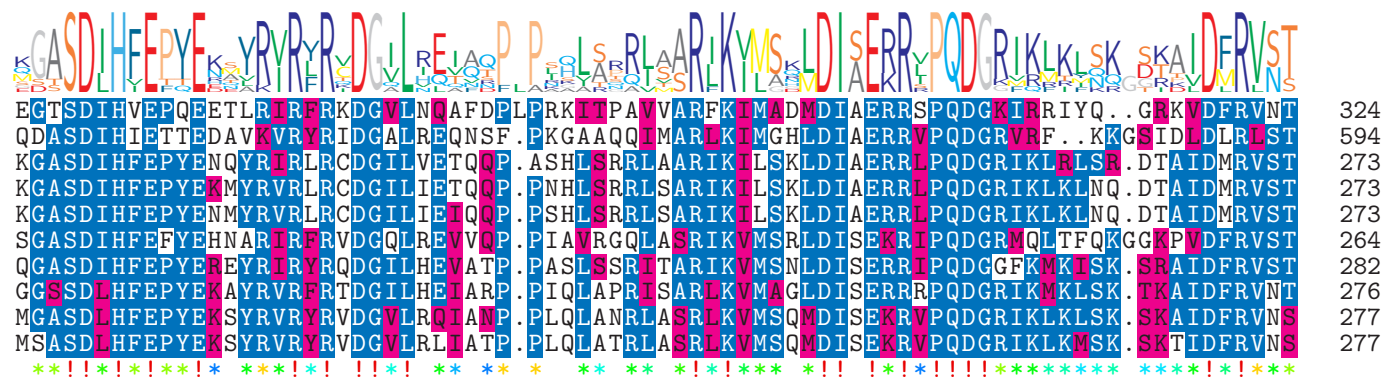
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NTDB id 1401 DSB67 RS12665 WP 010643259.1  
NTDB id 1110 NGBF RS09235 WP 003689817.1  
NTDB id 1251 GC085 RS07725 WP 011946523.1  
NTDB id 409226 GQA94 RS08045 WP 158187520.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1  
consensus

logo

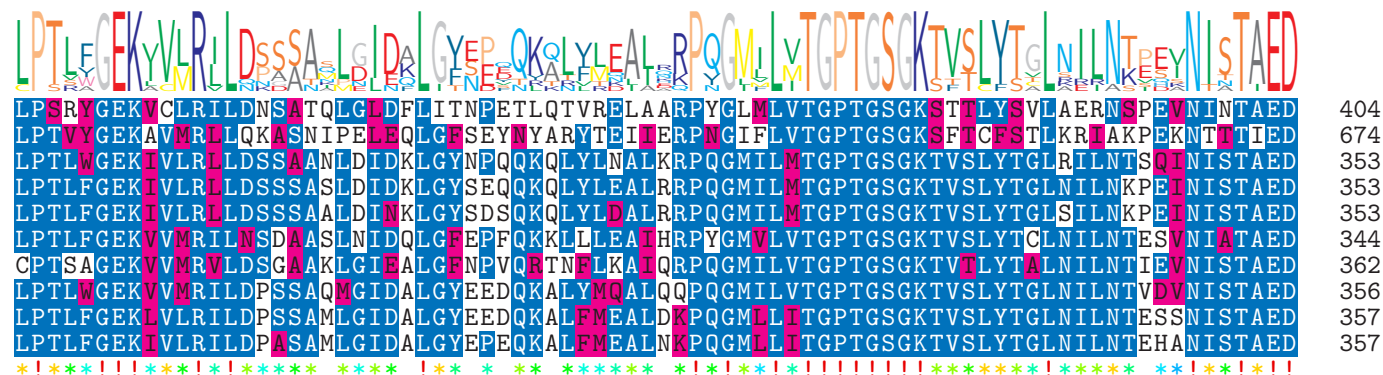
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NTDB id 1293 VP RS12240 WP 005479695.1  
NTDB id 1401 DSB67 RS12665 WP 010643259.1  
NTDB id 1110 NGF6 RS09235 WP 003689817.1  
NTDB id 1251 GC085 RS07725 WP 011946523.1  
NTDB id 409226 GQA94 RS08045 WP 158187520.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1  
consensus

SVDPEVAPITATQQMAELIGRFFPLDTCRRFKFLPLAQEGDPSSVLVAVMDPDNLAQDELNRILRVKGFEI RRLVVTQD 166  
FLDPIQNPPD.....PKVALMIPETARRYVVVPVRLQ...GNSLVAMKDDPRNVFALDDLX...LITGKEILPAVMAEK 460  
ETDLSRDYDA.....NLCCQLGLRELITRYDALPIAK...GNLLLAVSDPTLLQAEEEF...FATGLQVELALADHR 129  
QPELSQQEYA.....SLCQQLGLRELITRHNALPLHRT...PSTLLLAVADPTNQQAEDDFR...FATGLQVELVLADF 129  
CTSLNQEYA.....SLCQTGLRLDRTHRNALPLNRT...SSTLLAVADPTNQAEDFR...FATGLQVELVLADF 129  
ITLDLRHYPRH.....RVLMGVLTTEQGVVEFHCVPFRR...GDKVFFAVSDPTQMPPQIKQTV...SAAGIAVELVIVEDD 128  
MLDINCIDVG.....TIPVNLYNEKLIRHAMVPLFSR...GTNLYLATDDPSKQASIKETQ...FHTGLNTHAIVVEDD 137  
YMOLDALDKE.....SLPKDIVSEKLARQHRA LPLIKR...GNKLFVA VSDPTNHQAVTDIQ...FSTGLTTEAVLVEDD 134  
YFDLDVYDTS.....QTPKDLVDQKLILKHIRLPLIQR...GGILYVATS NPSNTI EADAIR...FNSKILLVEPVIVEHH 137  
LELDGVFDPA.....LFLKDKIDEKLIQKYRIMPLVHR...GHVLYVATS NPTNI EADAIR...FNSKILKVEPTIVEHD 137

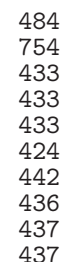
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NTDB id 1293 VP RS12240 WP 005479695.1  
NTDB id 1401 DS6B7 RS12665 WP 010643259.1  
NTDB id 1110 NGFG RS09235 WP 003689817.1  
NTDB id 1251 GC085 RS07725 WP 011946523.1  
NTDB id 409226 GQA94 RS08045 WP 158187520.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1  
consensus



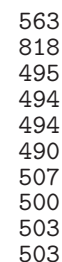
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NTDB id 1293 VP RS12240 WP 005479695.1  
NTDB id 1401 DSB67 RS12665 WP 010643259.1  
NTDB id 1110 NGFG RS09235 WP 003689817.1  
NTDB id 1251 GC085 RS07725 WP 011946523.1  
NTDB id 409226 GQA94 RS08045 WP 158187520.1  
NTDB id 1058 ABD1 RS01615 WP 001274986.1  
NTDB id 1018 ACIAD RS01685 WP 004920473.1  
consensus



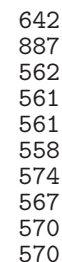
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NTDB id 1306 DR RS10060 WP 027479822.1  
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NTDB id 1293 VP RS12240 WP 005479695.1  
NTDB id 1401 DSB67 RS12665 WP 010643259.1  
NTDB id 1110 NGFG RS09235 WP 003689817.1  
NTDB id 1251 GC085 RS07725 WP 011946523.1  
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consensus



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NTDB id 1293 VP RS12240 WP 005479695.1  
NTDB id 1401 DS67 RS12665 WP 010643259.1  
NTDB id 1110 NGF RS09235 WP 003689817.1  
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NTDB id 1410 SGL RS13950 WP 010873519.1  
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consensus



logo

|                                             |                                |     |
|---------------------------------------------|--------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1     | RKSALTCRTCAAELQQEWLDCPYCMTSRFS | 672 |
| NTDB id 1306 DR RS10060 WP 027479822.1      | .....                          | 887 |
| 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 409226 GQA94 RS08045 WP 158187520.1 | .....                          | 567 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | .....                          | 570 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | .....                          | 570 |
| consensus                                   |                                |     |

-  non conserved
-  similar
-  ≥ 50% conserved