

logo

|                                             |                                                                                   |    |
|---------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | MRKIIAILII..ISASISMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ | 78 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | MRKIIAILIL..ISASISLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ | 78 |
| NTDB id 55564 LD090 RS17590 WP 399481255.1  | .....                                                                             | 0  |
| NTDB id 1186 GTF74 RS01320 WP 000788426.1   | .....                                                                             | 0  |
| NTDB id 1175 A1552VC RS12105 WP 000788426.1 | .....                                                                             | 0  |
| NTDB id 1408 DSB67 RS13980 WP 010643500.1   | .....                                                                             | 0  |
| NTDB id 1193 PA5040 NP 253727.1             | MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKQLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T | 76 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | MKQIIIRQFSIGTVAYAIMQVSAQVAITNVVPMNIPGGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K   | 77 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | MNHVFRQFSMGAVAIAIMQAAQAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q  | 77 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | MNHVFRQFSMGAVAIAIMQAAQAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q  | 77 |
| consensus                                   | * * * * *                                                                         |    |

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|---------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSKEVF.....ITNQV          | 145 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSKEVF.....ITNQV          | 145 |
| NTDB id 55564 LD090 RS17590 WP 399481255.1  | .....MYRRALLIFIG.....L.....F.....VATGA                                            | 18  |
| NTDB id 1186 GTF74 RS01320 WP 000788426.1   | .....MKNGLKT..YVAQTWLTLWVG.....LAL.CASSM.....VFSAE                                | 32  |
| NTDB id 1175 A1552VC RS12105 WP 000788426.1 | .....MKNGLKT..YVAQTWLTLWVG.....LAL.CASSM.....VFSAE                                | 32  |
| NTDB id 1408 DSB67 RS13980 WP 010643500.1   | .....MKMRHGLTLTPRKLTGLFSLWFS.....LLL.AP.....FVAEE                                 | 33  |
| NTDB id 1193 PA5040 NP 253727.1             | KNRELISVGNTRSVTVVEAKDRTRLIINLTALSSYTTRVEGNNLFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPY | 156 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | SLIPVTTNEASSIDVSSDDKRARVVVNLKDAAGFTTRVEGNVFILKINNIQSTAT....PV.....A..TSA.....     | 138 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....PL.....P..VVS.....    | 138 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | SKISVATNEASSVDVTSDDQRSRLTVNLKDAAGFTTRVEGNTFILKINSAQTSNK.....PL.....P..VVS.....    | 138 |
| consensus                                   | * * * * *                                                                         |     |

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|---------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV  | 225 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV  | 225 |
| NTDB id 55564 LD090 RS17590 WP 399481255.1  | SAQSNEFVGIDFRLNKDKHALLVIELASNAAAVDIQMPDGLNISLHETSVEDEKLFVVDVADFSTNVESVEVFRKEGST   | 98  |
| NTDB id 1186 GTF74 RS01320 WP 000788426.1   | SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST | 112 |
| NTDB id 1175 A1552VC RS12105 WP 000788426.1 | SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST | 112 |
| NTDB id 1408 DSB67 RS13980 WP 010643500.1   | EVQSNLSKSIDFRTNKKDAVIVVELVSPAAIVDIKRVQEGLSIDLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTT    | 113 |
| NTDB id 1193 PA5040 NP 253727.1             | VPAGRAIRNIDFQRGEKGEKNVVIDLSDPTLSPDIEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT   | 236 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | PAPQGGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQGSGKVVVRFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG | 218 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQGSGKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG  | 217 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQGSGKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG  | 217 |
| consensus                                   | * * * * *                                                                         |     |

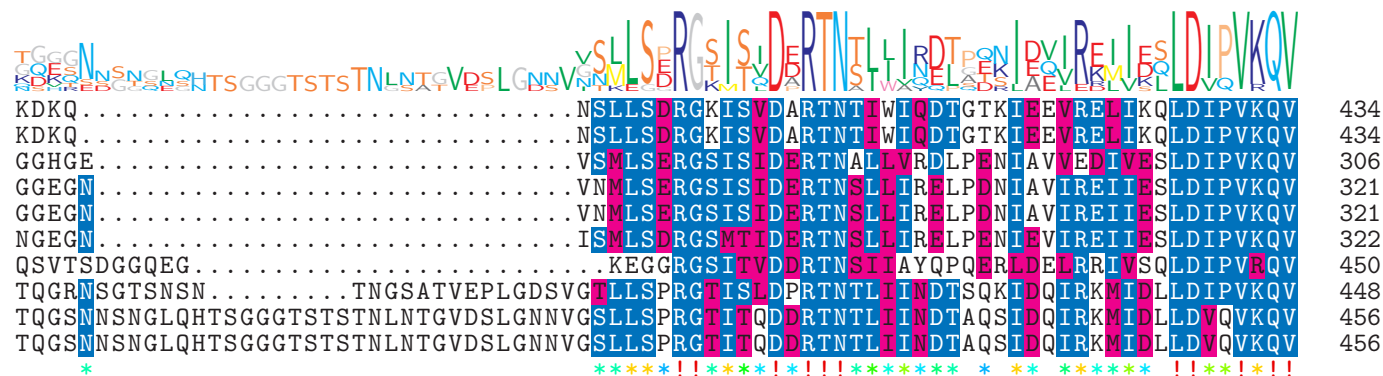
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consensus

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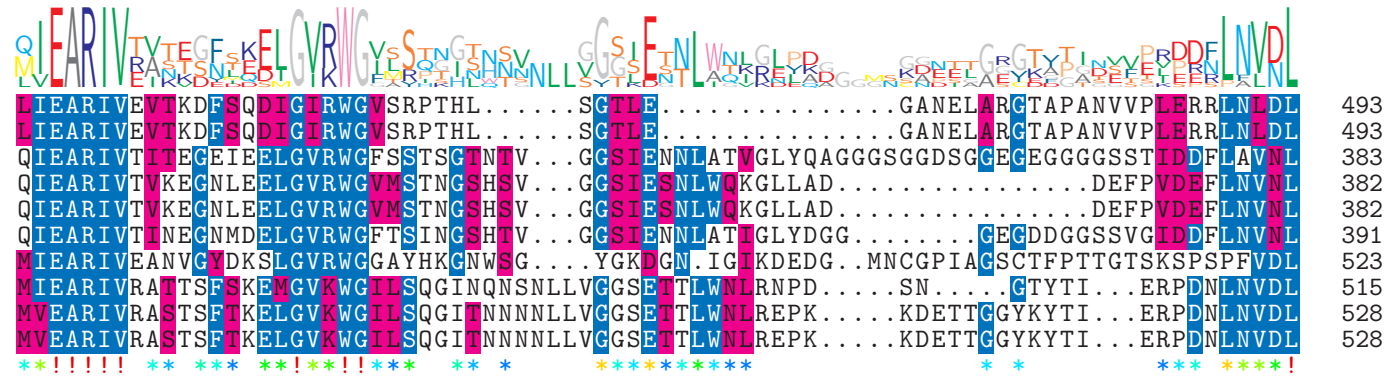
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NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

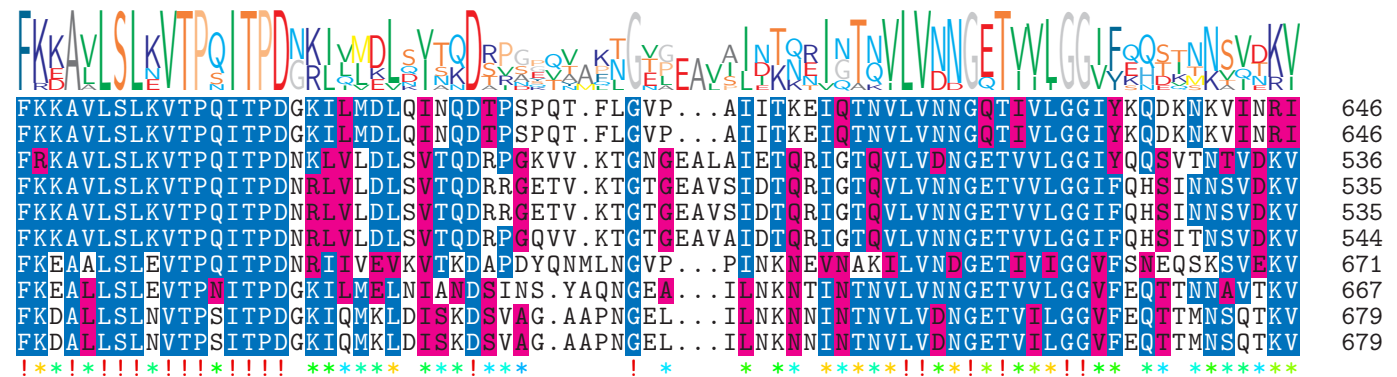
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NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

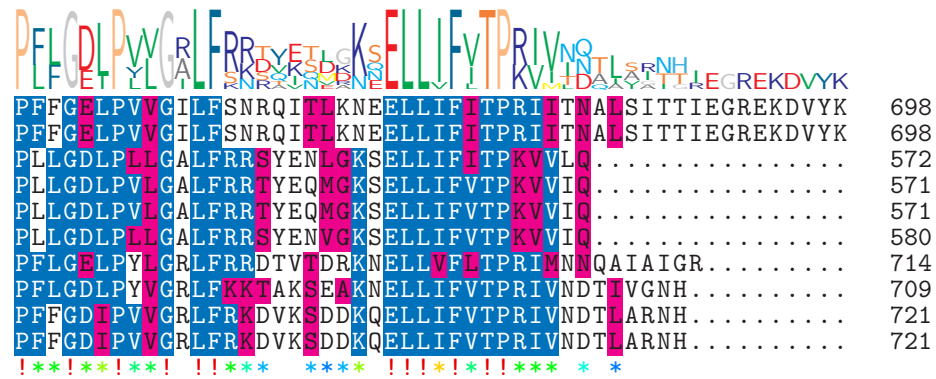
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NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

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- non conserved
- similar
- $\geq 50\%$  conserved