

logo

NTDB id 183959 A9E78 RS04595 WP 011946023.1

NTDB id 1284 ACE17W RS12370 WP 010946666.1

NTDB id 1257 GC085 RS04855 WP 163621000.1

NTDB id 1193 PAKAF RS26665 WP 003161249.1

NTDB id 1009 ACIAD RS15175 WP 004923730.1

consensus

Sequence logo for motif 1. The logo shows the conservation of amino acids at each position. The consensus sequence is: **MRKIIAVLILISASLSMA..YPKDNSLISVKVLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLD FISTDMQIPSDQ**. The positions are numbered 1 to 28. The amino acids are color-coded: blue for basic, red for acidic, green for polar, and yellow for non-polar. The logo is generated using the WebLogo tool.

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consensus

Sequence logo for motif 2. The logo shows the conservation of amino acids at each position. The consensus sequence is: **KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGTAGSVVSLVNLGKSNDLFENSKEVFITNQV**. The positions are numbered 1 to 28. The amino acids are color-coded: blue for basic, red for acidic, green for polar, and yellow for non-polar. The logo is generated using the WebLogo tool.

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consensus

Sequence logo for motif 3. The logo shows the conservation of amino acids at each position. The consensus sequence is: **VNAKHEIKRIDFRGIEKQGGRLVDVSDTGIPIDVTQVGKEIVNFLNTRIPNLNLMKRYDVSDFHSPVQIITMQQEGKKV**. The positions are numbered 1 to 28. The amino acids are color-coded: blue for basic, red for acidic, green for polar, and yellow for non-polar. The logo is generated using the WebLogo tool.

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consensus

Sequence logo for motif 4. The logo shows the conservation of amino acids at each position. The consensus sequence is: **RMTILSKGDYGHFVYQVVKQFMVDVFPLTAE EIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG**. The positions are numbered 1 to 28. The amino acids are color-coded: blue for basic, red for acidic, green for polar, and yellow for non-polar. The logo is generated using the WebLogo tool.

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consensus

Sequence logo for motif 5. The logo shows the conservation of amino acids at each position. The consensus sequence is: **DITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADI AVL I**. The positions are numbered 1 to 28. The amino acids are color-coded: blue for basic, red for acidic, green for polar, and yellow for non-polar. The logo is generated using the WebLogo tool.

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consensus



443
443
443
459
457

logo

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consensus



505
505
505
529
522

logo

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consensus



581
581
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605
602

logo

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consensus



660
660
660
685
681

logo

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consensus



698
698
698
714
709

 non conserved
 similar
 $\geq 50\%$ conserved