

logo

NTDB id 1015 ACIAD RS12005 WP 004928865.1

NTDB id 1083 HON27 RS04190 WP 168726476.1

NTDB id 988797 AAHB48 RS04205 WP 000472705.1

NTDB id 1070 ABD1 RS13145 WP 000472713.1

consensus



Sequence logo for motif 1. The logo shows the conservation of amino acids at each position. The consensus sequence is: **MFKIIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGHYHAEKALIE**. The positions are numbered 1 to 30. The amino acids are color-coded: blue for basic, red for acidic, green for hydrophobic, yellow for aromatic, and purple for polar.

80
80
80
80

logo

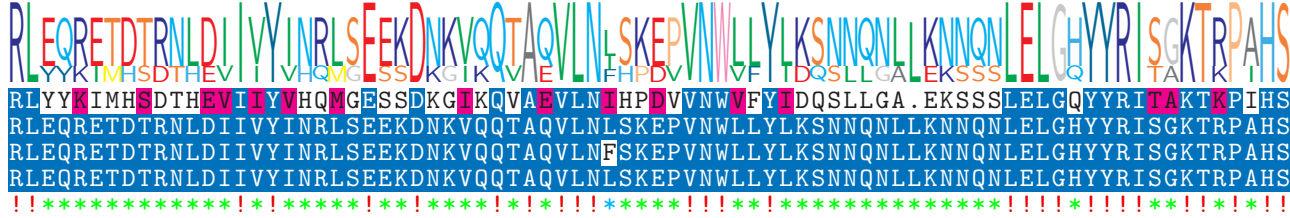
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NTDB id 1083 HON27 RS04190 WP 168726476.1

NTDB id 988797 AAHB48 RS04205 WP 000472705.1

NTDB id 1070 ABD1 RS13145 WP 000472713.1

consensus



Sequence logo for motif 2. The logo shows the conservation of amino acids at each position. The consensus sequence is: **RLEQRETDRNLDIIVYNRLSEKDNKVQQTAAQVLNLSKEPVNWLLYLKSNQNLKNNQNLLELGHYYRISGKTRPAHS**. The positions are numbered 1 to 30. The amino acids are color-coded: blue for basic, red for acidic, green for hydrophobic, yellow for aromatic, and purple for polar.

159
160
160
160

logo

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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: **YATPGAFDQEKFIQRNIMSGFNVRYLEPLSLDEIYRLGYQQHLKEQQSFSNSFRNLIEKLRLTFRQILNSSSLQQKGLI**. The positions are numbered 1 to 30. The amino acids are color-coded: blue for basic, red for acidic, green for hydrophobic, yellow for aromatic, and purple for polar.

239
240
240
240

logo

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NTDB id 988797 AAHB48 RS04205 WP 000472705.1

NTDB id 1070 ABD1 RS13145 WP 000472713.1

consensus



Sequence logo for motif 4. The logo shows the conservation of amino acids at each position. The consensus sequence is: **LALLTGDESLLSDETLQFQKLGISHLLAISGPHVLIFAAMVSWIFTRLTHRKPEIYLSIPQCKIVLPEFLMCVILYCA**. The positions are numbered 1 to 30. The amino acids are color-coded: blue for basic, red for acidic, green for hydrophobic, yellow for aromatic, and purple for polar.

319
320
320
320

logo

NTDB id 1015 ACIAD RS12005 WP 004928865.1

NTDB id 1083 HON27 RS04190 WP 168726476.1

NTDB id 988797 AAHB48 RS04205 WP 000472705.1

NTDB id 1070 ABD1 RS13145 WP 000472713.1

consensus



Sequence logo for motif 5. The logo shows the conservation of amino acids at each position. The consensus sequence is: **FVGFEIPALRTLFLSVLFIQGLLLKQPIKPFILLVYSASLLLLMDPFSVLSAGFVLSYGACFILLRIYQTIAQLPEQHFL**. The positions are numbered 1 to 30. The amino acids are color-coded: blue for basic, red for acidic, green for hydrophobic, yellow for aromatic, and purple for polar.

399
400
400
400

logo

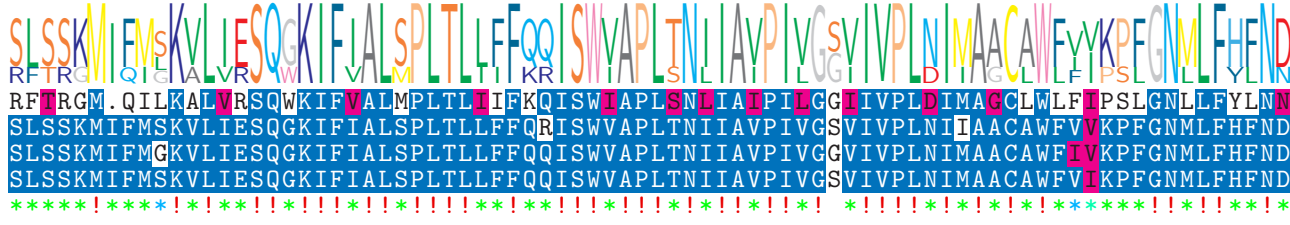
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NTDB id 1070 ABD1 RS13145 WP 000472713.1

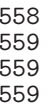
consensus



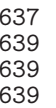
Sequence logo for motif 6. The logo shows the conservation of amino acids at each position. The consensus sequence is: **SLSSKMIFMSKVLIESQCKIFIALSPLTLLFFQQLSVIAPLTNIIAVPIVGSVIVPLNIIAACAWFVYKPEGNMFLFHFND**. The positions are numbered 1 to 30. The amino acids are color-coded: blue for basic, red for acidic, green for hydrophobic, yellow for aromatic, and purple for polar.

478
480
480
480

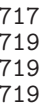
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NTDB id 1083 HON27 RS04190 WP 168726476.1
NTDB id 988797 AAHB48 RS04205 WP 000472705.1
NTDB id 1070 ABD1 RS13145 WP 000472713.1
consensus
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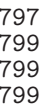
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NTDB id 1083 HON27 RS04190 WP 168726476.1
NTDB id 988797 AAHB48 RS04205 WP 000472705.1
NTDB id 1070 ABD1 RS13145 WP 000472713.1
consensus
```



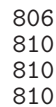
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NTDB id 1070 ABD1 RS13145 WP 000472713.1
consensus
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consensus
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consensus
```



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