My model sequence (query):

SGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQGGSQCLSCGVGQEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQLPENGGWNAPITDFYFQQC

4P0J model sequence (subject):

SLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQGGSQCLSCGVGQEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQELGKSYNTDFYFQQCD

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Score** | **Expect** | **Method** | **Identities** | **Positives** | **Gaps** |
| 282 bits(722) | 1e-104 | Compositional matrix adjust. | 142/151(94%) | 143/151(94%) | 4/151(2%) |

Query 1 SGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQG 60

SGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQG

Sbjct 3 SGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQG 62

Query 61 GSQCLSCGVGQEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCT 120

GSQCLSCGVGQEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCT

Sbjct 63 GSQCLSCGVGQEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCT 122

Query 121 VPEADQPVRLTQLPENGGWNAPITDFYFQQC 151

VPEADQPVRLTQ E G + TDFYFQQC

Sbjct 123 VPEADQPVRLTQ--ELG--KSYNTDFYFQQC 149

sequence   SLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQGGSQCLSCGVG  
model      S--GALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQGGSQCLSCGVG  
  
cons       \*  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
  
sequence   QEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQEL----GKSY  
model      QEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQLPENGGWNAP  
  
cons       \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*       ::   
  
  
sequence   NTDFYFQQCD  
model      ITDFYFQQC-  
  
cons        \*\*\*\*\*\*\*\*

2 154

model S--GALCFRM KDSALKVLYL HNNQLLAGGL HAGKVIKGEE ISVVPNRWLD ASLSPVILGV QGGSQCLSCG VGQEPTLTLE

structure SLSGALCFRM KDSALKVLYL HNNQLLAGGL HAGKVIKGEE ISVVPNRWLD ASLSPVILGV QGGSQCLSCG VGQEPTLTLE

PVNIMELYLG AKESKSFTFY RRDMGLTSSF ESAAYPGWFL CTVPEADQPV RLTQLPENGG WNAPITDFYF QQC-

PVNIMELYLG AKESKSFTFY RRDMGLTSSF ESAAYPGWFL CTVPEADQPV RLTQEL---- GKSYNTDFYF QQCD