```
T-COFFEE, Version_7.70Fri Feb 20 12:12:14 WEST 2009
  Cedric Notredame
  CPU TIME:1 sec.
  SCORE=96
  *
   BAD AVG GOOD
  *
  gi|4507091|ref|     :   96
  gi|114599805|re     :   96
  gi|50979004|ref     :   96
  gi|28849927|ref     :   96
  gi|6755580|ref|     :   96
  gi|11968084|ref     :   96
  gi|45383718|ref     :   94
  cons                :   96

  gi|4507091|ref|     MAMSSGGSGGGVPEQEDSVLFRRGTGQSDDSDIWDDTALIKAYDK
  gi|114599805|re     MAMSSGGSGGGVPEQEDSVLFRRGTGQSDDSDIWDDTALIKAYDK
  gi|50979004|ref     MG-----GGGGLPEPEDSVLFRRGTGQSDDSDIWDDTALIKAYDK
  gi|28849927|ref     MG----GGGGGFPEPEDSVLFRRGTGESDDSDVWDDTALIKAYDK
  gi|6755580|ref|     MAMGSG---GAGSEQEDTVLFRRGTGQSDDSDIWDDTALIKAYDK
  gi|11968084|ref     MAMGSG--GGAGSEQEDTVLFRRGTGQSDDSDIWDDTALIKAYDK
  gi|45383718|ref     MA--------------GRVLFRRGAGQSDDSDMWDDTALIKAYDK

  cons                *.              . ******:*:*****:************


  gi|4507091|ref|     AVASFKHALKNGDICETSGKPK--TTPKRKPAKKNKSQKKNTAAS
  gi|114599805|re     AVASFKHALKNGDICETSGKPK--TTPKRKPAKKNKSQKKNTAAS
  gi|50979004|ref     AVASFKHALKNGDISEASDKPK--STPKRKPAKKNKSQKKNATTA
  gi|28849927|ref     AVASFKHALKNGDISEASEKPK--GTPKRKSA-KNKSQRKNTTSP
  gi|6755580|ref|     AVASFKHALKNGDICETPDKPK--GTARRKPAKKNKSQKKNATTP
  gi|11968084|ref     AVASFKHALKNGDMCETSDKPK--GTARRKPAKKNKNQKKNATAP
  gi|45383718|ref     AVASFKNALKNGDCSEPSDKQEQRAGVKRKNSKKNRNRNKSNAVP

  cons                ******:****** .*.. * :   :** : **:.:.*. : .


  gi|4507091|ref|     LQQWKVGDKCSAIWSEDGCIYPATIASIDFKRETCVVVYTGYGNR
  gi|114599805|re     LQQWKVGDKCSAIWSEDGCIYPATIASIDFKRETCVVVYTGYGNR
  gi|50979004|ref     LKQWKVGDKCSAVWSEDGCIYPATIASIDFKRETCVVVYTGYGNR
  gi|28849927|ref     SKQWKVGDNCCAIWSEDGCIYPATIASIDFKRETCVVVYTGYGNR
  gi|6755580|ref|     LKQWKVGDKCSAVWSEDGCIYPATITSIDFKRETCVVVYTGYGNR
  gi|11968084|ref     LKQWKAGDKCSAVWSEDGCVYPATITSVDLKRETCVVVYTGYGNK
  gi|45383718|ref     LKQWKVGDSCNAVWSEDGNVYPATIASINLKRGTCVVTYTGYGNK

  cons                 :***.**.* *:***** :*****:*:::** ****.******:


  gi|4507091|ref|     EEQNLSDLLSPICEVANNIEQNAQENENESQVSTDESENS-RSPG
  gi|114599805|re     EEQNLSDLLSPICEVANNIEQNAQENENESQVSTDESENS-RSPG
  gi|50979004|ref     EEQNVSDLLSPACEVANNVEQDTQENENESQISTDESENSSRSPG
  gi|28849927|ref     EEQNLSDLLSPTSEVAN-IEQNAQENENESQISTDESENSSRSPL
  gi|6755580|ref|     EEQNLSDLLSPTCEVANSTEQNTQE--NESQVSTDDSEHSSRSLR
  gi|11968084|ref     EEQNLSDLLSPTCEVANNTEQNTQE--NESQVSTDDSEHSSRSLR
  gi|45383718|ref     EEQNLADLLPPASD---------ETNENETPYSTDESEKSSQSHH

  cons                ****::***.* .:          :   **:   ***:**:* :*
```

```
gi|4507091|ref|     NKSDNIKPKSAPWNSFLPPPPPMPGPRLGPGKPGLKFNGPPP---
gi|114599805|re     NKSDNIKPKSAPWNSFLPPPPPMPGPRLGPGKPGLKFNGPPPPLP
gi|50979004|ref     NKPNNIKSKAAPWNSFLPPPPPMSGSGLGPGKPGVKFSGPPP---
gi|28849927|ref     NKPNNIRSRAAPWNSFLPPPPHMPRSGLGPGKSGLNFSGPPP---
gi|6755580|ref|     SKA-HSKSKAAPWTSFLPPPPPMPGSGLGPGKPGLKFNGPPP---
gi|11968084|ref     SKA-HSKSKAAPWTSFLPPPPPVPGAGLGPGKPGLRFSGPPP---
gi|45383718|ref     NENNCTKARFSPKNLRFPIPPTPPG----LGRHGSKFRTLPP---

cons                .:  :.: :* .  :* **  .      *: * .*   **

gi|4507091|ref|     PPPPPPPHLLSCWLPPFPSGPPIIPPPPPICPDSLDDADALGSML
gi|114599805|re     PPPPPPPHLLSCWLPPFPSGPPIIPPPPPICPDSLDDADALGSML
gi|50979004|ref     P-P-PPPHFLSCWLPPFPSGPPIIPPPPPICPDSLDDADALGSML
gi|28849927|ref     PPP-PPPHFLSRWLPPFPAGPPMIPPPPPICPDSLDDADALGSML
gi|6755580|ref|     PPPLPPPPFLPCWMPPFPSGPPIIPPPPPISPDCLDDTDALGSML
gi|11968084|ref     PPP-PPPPFLPCWMPPFPSGPPIIPPPPPISPDCLDDTDALGSML
gi|45383718|ref     --------FLSCWPPPFPAGPPLIPPPPPMGPDSPEDDEALGSML

cons                    :*. * ****:***:******: **. :* :******

gi|4507091|ref|     ISWYMSGYHTGYYMGFRQNQKEGR---CSHSLN
gi|114599805|re     ISWYMSGYHTGYYMEM----------------LA
gi|50979004|ref     ISWYMSGYHTGYYMGFKQNQKEGR---CSH-FN
gi|28849927|ref     ISWYMSGYHTGYYMGFKQSQKEGR---YSH-FN
gi|6755580|ref|     ISWYMSGYHTGYYMGFRQNKKEGK---CSH-TN
gi|11968084|ref     ISWYMSGYHTGYYMGFRQNKKEGK--KCSH-TN
gi|45383718|ref     IAWYMSGYHTGYYLGLKQSRMEAALEREAY-LK

cons                *:************: :
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