

Figure S1: T-coffee Expresso output using processed AtPAP8 and the RDR as in the accession pdb.4K50.

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T-COFFEE, Version_11.00.d625267 (2016-01-11 15:25:41 - Revision d625267 - Build 507)
Cedric Notredame SCORE=60 Structural data : EXPRESSO
BAD AVG GOOD

4K50  GQIQISKHVKDVGLPSIHTPTKTKLQPSVFYDIFPGSKEPAVLTEKDPRLKVDFFDSALFSKYKGNTECSLNEHIQ
P8    AD-----GGGA-----DEYDMDDEEV
cons  .:          * .          * .:..

4K50  VAVAHYSAQLATLDIDPQPIAMEDSVFGMDGLEALDLNTSAGYPYVTLGIKKKDLINNKTCDISKLKLALDKYDV
P8    EEVD--NKKDYDVEYDPLAAIAAAGGGGDGDIAFV--QSKSF-ISTQGWSDMVVDYRINEDEFHKLSL-----
cons  *  . :  :: ** . *: :  * ** *:  * .:  * * .. : : : : . **:*

4K50  DLPMITFLKDELRRKKDKIAAGKTRVIEASSINDTILFRTVYGNLFSKFHLNPGVVTGCAVGCDETFWSKIPLML
P8    -----MDCDFFIRKPPDPDNDVYDFREMYVT-----PPDTDIYSIPRVL
cons  : ..  ... ** . ** : *  *:* .** :*

4K50  DGD-----CIMAFDYTNYDGSIHPIWFKALGMVLNLSFNPTLINRLCNSKHIKSTYYEVEGGVPSCSGTSTI
P8    APMPQKYIRCAM-SDYGCYNVTEPPID-----APRDPLYKSEREISKVFLTKHYRNR-----
cons  * *  ** *: : **  * * . *.: : ** :

4K50  FNSMINNIIIRTLVLDAYKHIDLDKLIKIIAYGDDVIFSYYKYKLDMEAIAGEQKYGLTITPADKSSEFKELDYGN
P8    -----RTNDPEFVLDLLEIYVIDSKTKSITRARVLVTVPGGRKDRKDDLLVI-RDNGTSFKIIHVGE
cons  . * . :*: : : *  . * : : : . *.: * . * : *:.** :. *:

4K50  VTFLKRGFRQDDKYKFLIHPTFPVEEIIYESIRWTKKPSQMGEHVLSLCHLMWHNGPEIYKDFETKIRSVSAGRAL
P8    R-----DD-----P-TTVIEREEWTKTRDMEKHLRKLKLRDFSV-----
cons  **  *  : * .***. :*: : : . * .:

4K50  YIPPYELLRHWEYKEF
P8    -----SNW---F
cons  : *  *

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