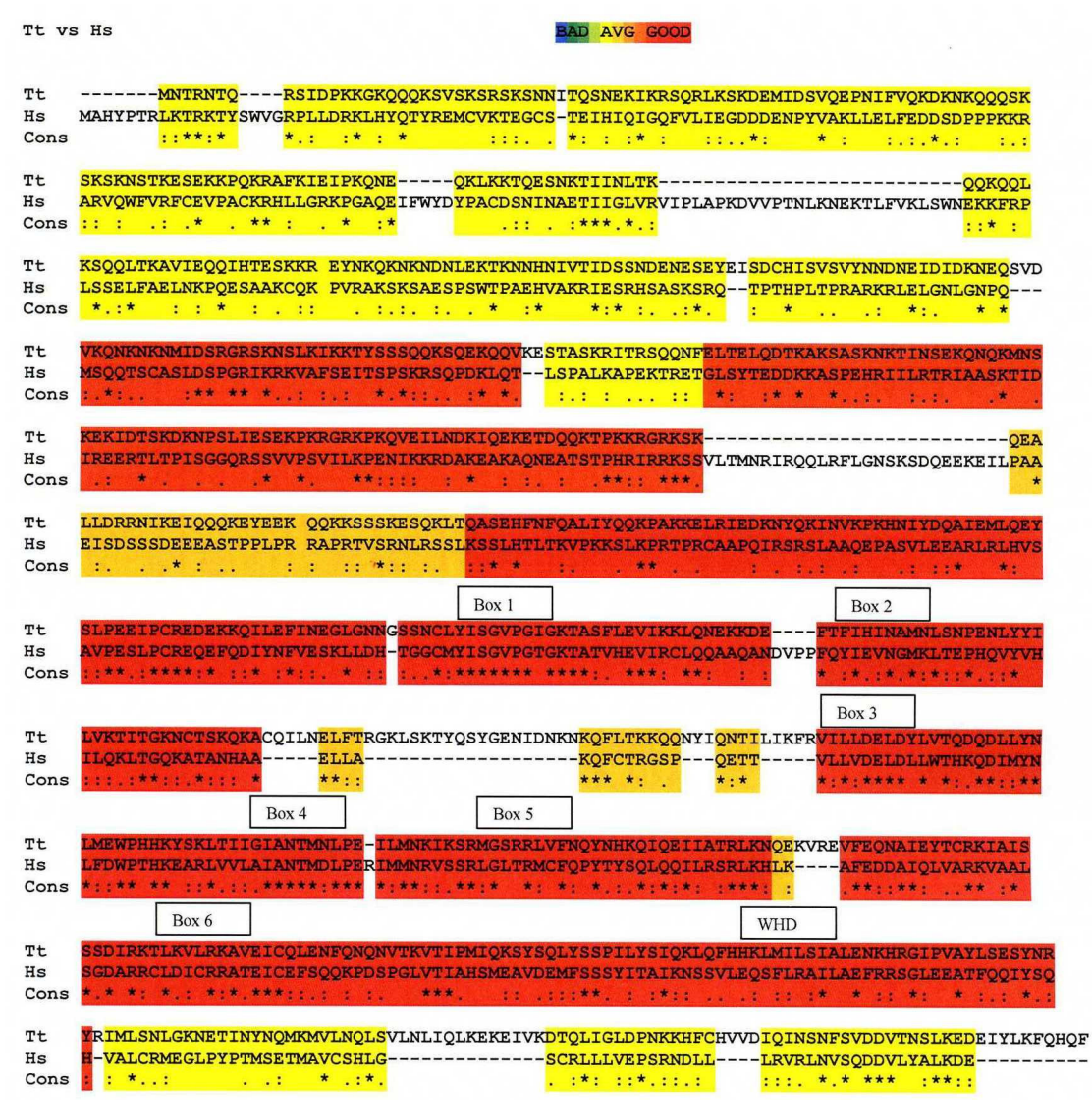
A


Tt vs Hs
BAD AVG GOOD
Tt
Hs
Cons
Box 1
Box 2
Box 3
Box 4
Box 5
Box 6
WHD

B

Tt vs Pt
BAD AVG GOOD
Tt MNTRNTQRSIDPKKGKQQQKSVSKSRSKSNNITQSNEKIKRSQRLKSKDEMIDSVQEPNIFVQKDKNKQQQSKSKSKNST
Pt ---------MAPKKQAQK---------------------KQTQTTKKQPTKIEKVQPAPIVPNAAQNKPKNNKPDFYFVI
Cons : *** *: *::* *.: *:.** . *. : :** ::.*..
Tt KESEKKPQKRAFKIEIPKQNEQKLKKTQESNKTIINLTKQQKQQLKSQQLTKAVIEQQIHTESKKREYNKQKNKNDNLEK
Pt PQDEEEHYRR----EVYQRRENRNKSCIDINEIRQDNFAPQEIPAINKVTQKIVIEQ---------------------EC
Cons :.*:: :* *: ::.*:: *. : *: : *: .: * **** *
Tt TKNNHNIVTIDSSNDENESEYEISDCHISVSVYNNDNEIDIDKNEQSVDVKQNKNKNMIDSRGRSKNSLKIKKTYSSSQQ
Pt TNDNTQLFTLNPS-------------------------------EQSTSFSRQLNKPKI---------ISIKPKKLLSTA
Cons *::* ::.*::.* ***....:: ** * :.** . *
Tt KSQEKQQVKEST ASKRITRSQQNFELTELQDTKAKSASKNKTINSEKQNQKMNSKEKIDTSKDKNPSLIESEKPKRGRK
Pt KTQDQSMDMEDD WYEELNKDINHTKHFLLGVPKPQSDHKEKSLTTERNSTTKN--------------------------
Cons *:*::. *. :.:.:. :: : * .*.:* *:*::.:*::. . *
Tt PKQVEILNDKIQEKETDQQKTPKKRGRKSKQEALLDRRNIKEIQQQKEYEEKQQKKSSSKESQKLTQASEHFNFQALIYQ
Pt ----------IKKMDLDLQIEP------------------------------------SQTTAKLTKA------------
Cons *:: : * * * *: : ***:*
Box 1
Tt QKPAKKELRIEDKNYQKINVKPKHNIYDQAIEMLQEYSLPEEIPCREDEKKQILEFINEGLGNNGSSNCLYISGVPGIGK
Pt -------------------MKTKLDSMNECYNSLLEATVPDEILCRDQEKDLITKFIEDGIKNNGQSQALYISGVPGIGK
Cons :*.* : ::. : * * ::*:** **::**. * :**::*: ***.*:.***********
Box 2
Tt TASFLEVIKKLQNEKKDEFTFIHINAMNLSNPENLYYILVKTITGKNCTSKQKACQILNELFTRGKLSKTYQSYGENIDN
Pt TATVMEVQKKLSS-KKDNFQFIYANAMNFGLPDNIYSFLLEKLTNIKDASKVQACILLTELFTKGCLPATYKAYEKSVVK
Cons **:.:** ***.. ***:* **: ****:. *:*:* :*::.:*. : :** :** :*.****:* *. **::* :.: :
Box 3
Box 4
Box 5
Tt KNKQFLTKKQQNYIQNTILIKFRVILLDELDYLVTQDQDLLYNLMEWPHHKYSKLTIIGIANTMNLPEILMNKIKSRMGS
Pt KN--------------------RVILLDECDNLFTPDQQVLYNLVDWPQQKHAKLTIIMIANTMDFPERLKPKLQSRLGN
Cons ** ******* * *.* **::****::**::*::***** *****::** * *::**:*.
Box 6
Tt RRLVFNQYNHKQIQEIIATRLKNQEKVREVFEQNAIEYTCRKIAISSSDIRKTLKVLRKAVEICQLENFQNQNVTKVTIP
Pt HRVVFRPYTSAQIETILQQRMK-EKKIKELFASNTLNYLGKKIATISTDIRKTLCVCRKAIEIGKEELVKTGQFKQIEVN
Cons :*:**. *. **: *: *:* ::*::*:* .*:::* :*** *:****** * ***:** : * .:. :..:: :
WHD
Tt MIQKSYSQLYSSPILYSIQKLQFHHKLMILSIALENKHRGIPVAYLSESYNRYRIMLSNLGKNETINYNQMKMVLNQLSV
Pt HVKLAYDKIYNKAYHSCLHSFSRSLKLLIITIALEIHIKGYNVAYLQQVLSRYNQYLIQ-NKDDPIGYQEMKQILLKLSE
Cons :: :*.::*... .::.:. **:*::**** : :* ****.: .**. * : .*::.*.*::** :* :**
Tt LNLIQLKEKEIVKDT----QLIGLDPNKKHFCHVVDIQINSNFSVDDVTNSLKEDEIYLKFQHQF
Pt LNLVEIKEQNVLLTKTSWQQKVNDSLQKDNLRNINEVMIHLKINVDDIKNGLSNDTLFLQFSQFF
Cons ***:::**:::: . * :. . :*.:: :: :: *: ::.***:.*.*.:* ::*:*.: *