Figure S5

```
SP|P06487|GI_HHV11 ---MPCRPLQGLVLVGLWVCATSLVVRGPTVSLVSNSFVDAGALGPDGVVEEDLLILGELRFVGDQVPHTTYYDGGVELWHYPMGHKCPRVVHVVTVTACPRRPAVAFALCRATDSTHSP 117
SP|P13291|GI_HHV2H ---MPGRSLQGLAILGLWVCATGLVVRGPTVSLVSDSLVDAGAVGPQGFVEEDLRVFGELHFVGAQVPHTNYYDGIIELFHYPLGNHCPRVVHVVTLTACPRRPAVAFTLCRSTHHAHSP 117
SP|P09258|GI_VZVD  MFLIQCLI--SAVI-FYIQVTNALIFKGDHVSLQVNSSLTSILIPM--QNDNYTEIKGQLVFIGEQLPTGTNYSGTLELLYADTVAFCFRSVQVIRYDGCPRIRTSAFISCRYKHSWHYG 115
                      :      . .:      :..*:.:*  ***  :* : :  :      ::   : *:* *:* *:*  . *.* :** :      * * *:*:   .***  : **  ** ..  *

SP|P06487|GI_HHV11 AYP-TLELNLAQQPLLRVQRATRDYAGVYVLRVWVGDAPNASLFVLGMAIAAEGTLA-YNGSAYGSCDPKLLPSSAPRLAPASVYQPAPN--QASTPSTTTSTPSTTIPAPSTTIPAPQA 233
SP|P13291|GI_HHV2H AYP-TLELGLARQPLLRVRTATRDYAGLYVLRVWVGSATNASRFVLGVALSANGTFV-YNGSDYGSCDPAQLPFSAPRLGPSSVYTPGAS--RPTPPRTTTPPSSPRD-----PTPAPG- 227
                                                                                     1
SP|P09258|GI_VZVD  NSTDRISTEPDAGVMLKITKPGINDAGVYVLLVRLDHSRSTDGFILGVNVYTAGSHHNIHGVIYTSPSLQ-NGY-----STRALFQQARLCDLPATPKGSGTSLFQHM---LDLRAGKSL 226
                        :.       :*::     : **:*** * :  : .:. *:**: : : *:    .*  * * .           .  :::  .      : *  :                .

SP|P06487|GI_HHV11 STTPFPTGDPKPQ-------PPGVNHEPPSNATRATRDSRYALTVTQIIQIAIPASIIALVFLGSCICFIHRCQRRYRRSRRPIYSPQMPTG--ISCAVNEAAMARLGAELKSHPSTPPK 344
                              1
SP|P13291|GI_HHV2H --------DTGTP-------APASGEIAPPNSTRSASESRHRLTVAQVIQIAIPASIIAFVFLGSCICFIHRCQRRYRRPRGQIYNP---GG--VSCAVNEAAMARLGAELRSHPNTPPK 327
SP|P09258|GI_VZVD  EDNPWLHEDVVTTETKSVVKEGIENHVYPTDMSTLPEKSLNDPPENLLIIIPIVASVMI---LTAMVIVIVISVKRRRIKKHPIYRPNTKTRRGIQNATPESDVM--------------- 328
                           *                .  * : :    .*        :* * * **::    * : : .*  . :* *  :  ** *       :. *. *: :

SP|P06487|GI_HHV11 SRRRS-SRTPMPSLTAIAEESEPAGAAGLPTPPVDPTTPTPTPPLLV 390
SP|P13291|GI_HHV2H PRRRSSSSTTMPSLTSIAEESEPGPVVLLSVSPRPRSGPTAPQEV-- 372
SP|P09258|GI_VZVD  ------LEAAIAQLATIREESPPHSVVNPFVK--------------- 354
                           : : .*::* *** *  ..   .
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