```
ScPpz1      MGNSSSKSSKKDSHSNSSSRNPRPQVSRTETSHSVKSAKSNKSSRSRRSLPSSSTTNTNS   60
CaPpz1      MGSNSSKSA--------------PTLQRSDTNNSTRSTRSNRSIRSRRSISSIKDSQQQ-   45
DhPpz1      MGNNSSKPKD----------LRGSPLSRTDTGNSAK---SSRSIRSRISMSRDDNSTSG-   46
            **..***                  :.*::*.:*.:   *.:* *** *:   . :

ScPpz1      NVPDPSTPSKPNL------EVNHQRHSSHTNRYHFPSS--SHSHSNSQNELLTTPSSSST  112
CaPpz1      ---Q-------------------------------------------------SDSQQQ--Q   53
DhPpz1      ---SPKTGSKATSRKNSSTSLNNMNSSSHSMNIPINGNNSAHSNNNSSANLSNSFSNLSL  103
               .                                                 : ..

ScPpz1      KRPSTSRRSSYNTKAAADLPPSMIQMEPKSPILKTNNSSTHVSKHKSSYSSTYYENALTD  172
CaPpz1      QQEEEEQSQSQSQQRPQPILSRNNSATSENPILIRRNTNETLQTPNFSD------T----  103
DhPpz1      HKNPSNQHSNNNFNLPP----SMIQVEPKEPILIRRNTGPDGEDTPLSPKNHSFNS----  155
            ::   .: .. . :          .   :.***  .*:.   .    *       .

ScPpz1      DDNDDKDNDISHTKRFSRSSNSRPSSIRSGSVSRRKSDVTHEEPNNGSYSSNNQENYLVQ  232
CaPpz1      --------LSPHS--HSQQQQQQPGSPLST--------------------SMNGNTISR  132
DhPpz1      --------NSPHL--ASSFDNSNPS------------------------SNPSNNISR   179
                       *    *  .:..*.                          .   * : :

ScPpz1      ALTRSNSHASSLHSRKSSFGSDGNTAYSTPLNSPGLSKLTDHSGEYFTSNSTSSLNHHSS  292
CaPpz1      TST--------NHSI----ISTT-------------------------------------  143
DhPpz1      TST--------NHSH----HSGS--INNYPLSPQP---------------TSSSANGST  209
            : *         **      *

ScPpz1      RDIYPSKHISNDDDIENSSQLSNIHASMENVNDKNNNITDSKKDPNEEFNDIMQSSGNKN  352
CaPpz1      -------------SHKSSSQ---------Q------------------SNLPLKKETTTS  163
DhPpz1      KDL------QEDTSKNFDSQ---------SLNE--------NRNKDVSINNLSHSSTTES  246
                        . : .**          .                    *   :.. . .

ScPpz1      APKKFKKPIDIDETIQKLLDAGYAAKRTKNVCLKNNEILQICIKAREIFLSQPSLLELSP  412
CaPpz1      SLSTNSNTIDIDSLIDKLLNAGFSGKRTKNVCLKNTEIELICASAREIFLSQPSLLELAP  223
DhPpz1      NESDDSGSIDIENLIQRLLDAGYSGKKTKSVCLKNHEIQLICAKARNILLSQPSLLELSP  306
              .  .  ***:. *::**:**::.*:**.***** **  ** .**:*:*********:*

ScPpz1      PVKIVGDVHGQYGDLLRLFTKCGFPPSSNYLFLGDYVDRGKQSLETILLLFCYKIKYPEN  472
CaPpz1      PVKVVGDVHGQYHDLIRIFSKCGFPPKTNYLFLGDYVDRGKQSLETILLLLCYKIKYPEN  283
DhPpz1      PVKVVGDVHGQYGDLIRIFTKCGFPPQTNYLFLGDYVDRGKQSLETILLLLCYKIKYPEN  366
            ***:******** **:*:*:******.:**********************:*********

ScPpz1      FFLLRGNHECANVTRVYGFYDECKRRCNIKIWKTFIDTFNTLPLAAIVAGKIFCVHGGLS  532
CaPpz1      FFLLRGNHECANVTRVYGFYDECKRRCNIKTWKLFIDTFNTLPIAAIVAGKIFCVHGGLS  343
DhPpz1      FFLLRGNHECANVTRVYGFYDECKRRCNIKTWKLFIDTFNTLPIAAIVAGKIFCVHGGLS  426
            ****************************** ** *********:****************

ScPpz1      PVLNSMDEIRHVVRPTDVPDFGLINDLLWSDPTDSPNEWEDNERGVSYCYNKVAINKFLN  592
CaPpz1      PVLNSMDEIRNIARPTDVPDFGLLNDLLWSDPADTINEWEDNERGVSYVFSKVAINKFLS  403
DhPpz1      PVLNSMEEIRNIARPTDVPDFGLLNDLLWSDPADTMNEWEDNERGVSYVFSRVAINKFLQ  486
            ******:***::.**********:********:*: ************ :.:*******.

ScPpz1      KFGFDLVCRAHMVVEDGYEFFNDRSLVTVFSAPNYCGEFDNWGAVMSVSEGLLCSFELLD  652
CaPpz1      KFNFDLVCRAHMVVEDGYEFFNDRTLVTVFSAPNYCGEFDNWGAVMGVSEDLLCSFELLD  463
DhPpz1      KFGFDLVCRAHMVVEDGYEFFNDRTLVTVFSAPNYCGEFDNWGAVMSVSDELLCSFELLD  546
            **.*********************:**********************.**: *********

ScPpz1      PLDSAALKQVMKKGRQERKLANQQQQMMETSITNDNESQQ  692
CaPpz1      PLDSAALKQVMKKEKQERKKST------------------  485
DhPpz1      PLDSIALKQVMKKGKEERKNAQLQQS--------------  572
            **** ******** ::*** :
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