```
IifC/Ab   1 MRRIAIVGAGQSGLQLGLGLLDTGYDVTMITNRTADEIRQGKVMSSQCMFHTALQTERDLGLNFWEEQCPAVEGIGLALVNPENGGK-AFEWSARLERYA  99
IifC/Ps   1 MRRIAIVGAGQAGLQLALGLLAEGYHVTLTTNRTGEQIRNGKVMSSQCMFNTSLQTERDLGLNFWEQQCPAVEGIGLTVPHPELPGEQLFSWSARLDRYA 100
MoxY      1 MRRIAIVGGGQAGLPLALGLLDKGYEVTVVTNREPDDIRRGKVMSSQCMFDASLQVERDLALNQWEADCPPVEGIGLAVPHPERPGHKLIDWAARLDRPA 100
StyA1     1 MRKITIVGAGQAGLQLAIGLVDAGYDVTVVSNRTPEQIREGKVMSSQCMFGGALARERAVGLDLWSDECPSVEGISFTVAD---NGNQAFSWASRLDLPA  97
StyA2B    1 MRSIAIVGAGQSGALLALALLKRDFQVTLATDRTPEEVRVGPVMSSQCMFDSALQIERDLGLDRWEEQCPRIDTMAVNVAKTHGSNE--ITVSTPLVGFA  98
            ** * *** ** *  *   *      **    *     * * ********   *  **   *  *   **                        *   *
                   GxGxxG

IifC/Ab 100 QSVDQRVKMPYWMEEFERRGGRLVIQDVGIEGLEQLANDYELVLLAAGKGEVVKQFERDDVRSVFDKPQRALALTYVKNMKPISPYSRVTFNIIPEVGEY 199
IifC/Ps 101 QSVDQRVKMPVWMDEFVKRGGDLVIDDVGIDELEALSLSHDLVLLAAGKGEVVNQFAKDPERTLFSQPQRALALTYVKGMTPGSPFSRVAFNLIPGVGEY 200
MoxY    101 QAVDQRIKMPAWMELFAARGGRLLIQDGGVAELELLAASHDLVLLAAGKGDVVKLFERDTARSRFDKPQRALALTYVHGMRPAPVFSRVAFNLIPGVGEY 200
StyA1    98 QSVDQRVKMPAWLKEFEARGGTLVLQDAGIGDLEGFAVDSDLVILAAGKGEIAKMFERDATRSVFDRPQRALALTYVNGMVPREEHSAVAFNMIPGVGEY 197
StyA2B   99 QSVDQRVKCADWVDEFAALGGNLIIKTAGPADIDALAQSHDLVIISSGKGDLGRLFSPDPLKSPYNRPQRALALAYVNGLAPHPDGADLSLNIVPGVGEY 198
            * **** *   *   *   ** *     *            **    ***     *  *        ******* **    *         *  * ****
                               GG                  DxxxxxxG

IifC/Ab 200 FSFPALTINGPCDIMVFEGIPNGPMDCWQDVKTPEQHMQCSLDLLKKFVPWEYERCSNVELTDAGGYLAGRFPPTVRKPVLTLPSGKKIFGMADALVVND 299
IifC/Ps 201 FVFPSLTTSGPCEIMVFEGIPGGPLDCWQDIKTPEAHLQKSLEIVRQYLPWEAERCNNLSLTDDQGFLSGRFTPMVRRPVLTLPSGRQVLGMADALVVND 300
MoxY    201 FVFPALTLSGPCEIMVFEGVPGGPMDCWRDIKTPQDHLARSLDILRTFVPWEAERCAAVELTDANGILAGSFAPTVRKPVMTLPSGRLVFGLGDAVVTND 300
StyA1   198 FAFPALTTSGPCEIMVMEGIPGGPMDCWADVTTPEEHLAKSKWVVETFVPWEAERCADITLTDDNGILAGRFPPTVRKPIGVLPSGANILGLADVVVLND 297
StyA2B  199 FVLPALTTTGPCHVMVFEGIPGGPMDCWDDVHTPHEHLNRAREVLAEHFPAEFARTADITPTDDAGVLLGRLTPTVRRPVAELASGRVVLGMADAVVLND 298
            *  * **  ***  ** ** * ** *** *  **  *            * *  *      **  * * *   * ** *   * **    *  *  * **
                                                                                                          GDxxxxxx

IifC/Ab 300 PITGQGSNNAAKCSKIYFDAILANDNQSFSEQWMVQTFERYWA-YAEKVVAWTNSLLLPPEPHVVELLAAASQNQRIASIMANNFDDPRAFAPWWFDANQ 398
IifC/Ps 301 PITGQGSNNAAKCSKVYLQSVLDHGDQAFDQQWMEQTFEQYWS-YARHVVEWTNSMLMPPPQHLLELLGAASQSQ----PLASAXDDPRQFAPWWFDAEQ 395
MoxY    301 PITGQGSNNATKACAIYLEAILARGDQPFTADWMRQTFERFWD-YASAVVDWTNSMLLPPPPHLLRLLQAAGDAPALASAVANGFNHPPNFFPWWTDATA 399
StyA1   298 PLTGQGSNNASKCAASYLASILEHGGRPFDAEFMTDTFERYWD-YAQYVASWTNALLSPPPEHVLKLLGAAATEPRIARRFANGFDDPRDFYHWFMTPEA 396
StyA2B  299 PLTGQGSNNAAQAAAVYLEAIVDRGDRPFDAQWMQRTFDKFWRGWAQWAVSWTNDMLRGPSDTVLGLFAAAQDSPTLASAIATGFDDPRTVHNWWFDDAE 398
            * ********      *           *    *  **   *   *     ***  *  *      *  **          *     *     *
            P

IifC/Ab 399 AQAFLASKNTAKVA                                                                                     412
IifC/Ps 396 CQAFIQ-KNNKQAA                                                                                     408
MoxY    400 CEAFIAAKSTRAAA                                                                                     413
StyA1   397 AAQYLTDVAN                                                                                         406
StyA2B  399 AQRVIENARAAEQAQFDPRDLRRALGQYATGVTVITARAPDGRKIGVTANSFTSVSMDPPLVSWCPASKAPSLPDLTAATHFAVNVLAANQHDLSRQFST 498


StyA2B  499 PAEDKFAGVATTEGIAGVPLIDDAIAHFQCRTVQRVEAGDHIIFLGEIEEYDADPGEPLVFHSGSYRLVTKHPDF 573
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