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BX4_Z_mays      MALE---AAYD-YLHVAVVQC--TPTQAAAVL-----GVLLLLAIRLAAAARSSSATSPK
BX3_Z_mays      MALG---AAYHHYLQLAGDHG---TATHALLL-----GVLIFLVIRLVSARRTGTTSANK
BX5_Z_mays      MALQ---AAYE-YLQQAVGHGAWSSTQTLTLL-----LIAVPTVLLLLASLAKSTSSSGR
BX2_Z_mays      MAAQLHHALYE-LLHEAA------AAQRALLLAIPFSLLLLPLLLRYLAASASASASATK
                                        Membrane anchor

                54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      W---------KQH---RLPPTPPGKLPIIGHLHLIGSHPHVSFRDLHAKYGHNGLMLVQV
BX3_Z_mays      R---------KQQQRLPLPPSPPGKLPIIGHLHLIGAETHISIRDLDAKHGRNGLLLLRI
BX5_Z_mays      G---------KP----PLPPSPPGTLPIVGHLHHIGPQTHISLQELVAKYGHNGFLFLRA
BX2_Z_mays      NDGAAAVAASDPDKLLSLLPSPPMKLPIIGHLHLMGDIPYVSLAALATRYGPD-LMLLRL
                                        I                A-helix

                113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      GAVPTIVVSTPQAAEAVLRTHDHVLASRPRNPVADIIRYNSTDVAFAPYGEYWRTARKVV
BX3_Z_mays      GAVPTLFVSSPSAADAVLRTQDHIFASRPPSMAAEIIRYGPSDVAFVPYGEYWRQGRKLL
BX5_Z_mays      GAVPTLIVSSPSAAEAVMRTHDHIFASRPWSMASHILRYNTCDVAFSPLGEYWQQTRKLM
BX2_Z_mays      GAVPTVVVSSPRVAEAVLRTYDHVFSSRPRSLVSDIIMYGATDSCFAPYGDHFRKARKLV
                B-helix                                SRS1                C-helix

                173                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      NTHLLSAKMVFSKRRERREEEVRLVVARIRDAAEASPGTALDMTELLGGYASDFVCRAVLG
BX3_Z_mays      TTHMLSTKKVQSFRHGRQEEVRLVMDKIRAAATAAPPAAVDLSDLLSGYTNDVVCRAVLG
BX5_Z_mays      NTHLLSNKKVYSFRHGREEEVCLVVDNLREAAAKSPSTAVDMSEVLAAYTNDVVSRSVLG
BX2_Z_mays      TVHLLNASKVRSQRPAREEEVRGALDRVRRAAAAR--EALDMSELLHSFVNNLVCRAVSG
                                D-helix                 E-helix

                231                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      ESHRKQGRNKLFRELTETSAALLGGFNVEDYF-PKLADVDLFLRIICAKAKGVSKRWDSL
BX3_Z_mays      ASHRNQGRNRLFSELTEINVSLLGGFNLEDYFPPNMAMADVLLRLVSVKARRLNQRWNDV
BX5_Z_mays      STHRKKGRNTLFREMTMTNVDLLVGFNLEYYI-PRWPLTDLLFRLVCWKVTRHLKRWDAL
BX2_Z_mays      KFSMEEGRNRLFRELTDINAGLLGGFHIQDYF-PSLGRIELVRKVACAKTRRVRKRWDDL
                F-helix SRS2                                    SRS3

                290                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      FNELLSEYALSGGKQGD--HNSEDFVHLLLSLQKDYGLITDNIKGILVNMFEAAIETSFL
BX3_Z_mays      FDELIQEHVQSR-PSGESEESEADFIHVLLSIQQEYGLITDNLKAILVDMFEAGIETSYL
BX5_Z_mays      LEEVIHEHVEMRKLSGDKEKESDDFIDIFLSRYEEYGFIMDNVKSLLMNVFEAAIETSYL
BX2_Z_mays      LDKLIDDHA-ARMATHQDEDDDKDFIYVLLSLQKEYGLIRDHIKAILIDMFEAGTDTSYM
                G-helix                 H-helix                 SRS4    II

                349                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      VLEYSMSELMNNRHVLAKLQKEVRTA--TPDGR---MVMEEDLSRMPYLKATIKESMRIH
BX3_Z_mays      TLEYGMAELINNRHVMEKLQTEVRTTMRSPDGKKLDMLAEEDLGSMPYLKATIKETLRLH
BX5_Z_mays      VLESAMAELMNHRRVMKKLQAEVRA---YGAEKKLDMIREDDLSSLPYLKASMKEALRLH
BX2_Z_mays      TLEFAMTELIRKPHLMKKLQEEVRRN--VPAGQ--EMVTEDNLPGMTYLKAVIKETLRLH
                I-helix         J-helix                 K-helix III

                405                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      PPAPFLLPHFSTHDCEINGYTIPAGTRVIVNAWALARDPTCWDKAEEFFPERFLEQGRDA
BX3_Z_mays      PPAPFLLPHYSTADSEIDGYFVPAGTRVLVNAWALGRDRTTWEKPEEFMPERFVQEPGAV
BX5_Z_mays      PPGPLLLPHYSTADCQIDGYHIPANTRVLVNGWAIGRDPAVWEKPEEFMPERFMRDGWDK
BX2_Z_mays      PPVPLLLPHYSLDACEVAGYTIPANTRVVVNAWALGRHSGYWERENEFVPERFLSGDVAG
                SRS5                                            IV

                465                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      EVDMYGKDIRFVPFGAGRRICAGATFAIATVEIMLANLIYHFDWEMPAEMERTGAKVDMS
BX3_Z_mays      DVHMKGKDLRFIPFGSGRRICPGMNFGFATMEIMLANLMYHFDWEVPG----SAAGVSMD
BX5_Z_mays      SNSYSGQDFRYLPFGSGRRICPGANFALATMEIMLANLMYHFDWEVPNEKEDGGGKVSMD
BX2_Z_mays      GVDLKPNEFQFLAFGSGRRMCPGVHSASATIEAMLSNLMYRFDWQLPAGM--KAEDVDMT
                                V                L-helix

                523                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
BX4_Z_mays      DQFGMTLRRTQKLYLVPRIPK
BX3_Z_mays      ESFGLTLRRKEKLLLVPRIAS
BX5_Z_mays      ETFGLMLRRNEPLYLVPRAV-
BX2_Z_mays      EVFGITVSRKEKLLLVPQAA-
                SRS6
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