

Dataset S1: Fasta files of MaTCP proteins in mulberry.

> *M.alba*_G0001316

MDPKGSKEAPPPSQPKPNFLTLPSSPPSPQQQQQNMGENKPAEIKDFQIVIAEKEESKKQ
LAPKRSSNKDRHTKVEGRGRRIRMPALCAARIFQLTRELGHKSDGETIQWLLQQAEPSIIA
ATGTGTIPASALAAAGASVSQQGSSVSASLQHQBIEGWGNLGRAAAAAAAHVVGATG
MWGPPQGLVSNSSGGYGVGIGGGFQSSSSSGSMAGGSTGEEGGGGSSNYLQKIGFSGFDLP
VTNMGMGGPSPHMSFTSILGGGASQQAPGLELGLSQDGCHIGVLNTQALTQMYHQMGR
VHHHQHHHHQQQQQQQQQNPQHQTSAKDDSQGSGQ

> *M.alba*_G0001832

MINNSKETEFPPREEGSSHEIGKVNNSTKVSSSAATSANPTPWRLKDPRIVRVSRVFGG
KDRHSKVCTIRGLRDRRVRLSVPTAIQLYDLQDRLGLNQPSKVVDWLLNAAKHEIDELPP
LPMLAGNFSLTLPREANAATTASQANEDQGLLKNNNNMSAIEWELGSTSRQNFWTNTTT
STSTSSDALWKARSKEVARETANNSTTRSEVEKEEGNHEGSNNLTQRTTNNHPFFPGMLN
NIAHIPHGVSYRWEPPNYPLLSHFGGAGHGLNITSQSDQHLQSLNVMMSLQPSALSSTGSP
YTTTTQTYFSPHSTAASGVELVDSRQVNHFHMLSSNVVQNLLPNTIRPFHFGANNKSLVG
YPPNDNGSDQQK

> *M.alba*_G0002273

MRMKGVGGGEIVQVQGGHIVRSTGRKDRHSKVYTAKGPRDRRVRLSAHTAIQFYDVQD
RLGYDRPSKAVDWLIKKAKSAIDKLAELPSWHPTGNSDHDADPETDPNVSVSGEMGIGSE
EQSGYGFQLQRAELSAGENTDFIADTMKSFFPTTTSVAANSSMNFQNYPQDNLPTQDLGL
SLHCFQEQGGADHEPPSEQAMFGSVVGFSSGYQRMVAWNGHDQASDGESRGFAFQAPP
PQLTAAHQALLGQGSAAATPFGNQRTLQSSSFSTPLARDWDDLPSMAVAAAAASQRQQ
QHIIHQSSSSSSSIFGTRFVSYGGLPVFRIPARIHGVVEEDGGHGVVSRPSSSSSPNSAHN

> *M.alba*_G0003268

MEETDEIIDGTNSEDNVSASDASIVEPEPPESNFSAEETAPAPPQPAVLMKEEFSDAERELD
EKSLPMGMGLLQVPSPGNKQVVGAKRPSKDRHTKVEGRGRRIRMPATCAARIFQLTRELG
LKSDGETIRWLLEHAEPAAIEATGTGTVPAAVSVGGTLKIPTTSPARPNGEIAEVVRKRRR
ASNSEFVDVNDQISVSSGLAPIPTTYGNGAAQGLVPLWPMGPNGGAAGPFLMFPNSGAV
PGVANHAQLWAIPAAAATPPFGVQARPISNFVSALQPVQLRDSQVSSGSVSNTCSSTMET
TSNAMISTSDGVGASSSSCSTTSATQMLRDFSLEIYDKKELQFLGGRSSKSQTQCSKP

> *M.alba*_G0005407

MTSHPQQEMDLEDDGGSSDLSTSAGEPEKNTNPNPNPEHNNKNNNSNDNGVSRSANFDE
MTAFQALPLKEEPLDSDPDQKVQHPQSTSVVPVAMQMVAQVPMPLPVSTAIRSSTKDRHT
KVEGRGRRIRIPATCAARIFQLTRELGHKSDGETVRWLLEHAEQAIEATGTGTVPAAVSV
GGTLKIPTTTNANPVDETTSSAATAKKRKRPSNSEFVDLTDPVSKSSGLAPIGPAVPQGLV
PVWAVAGNASGVNMMVPANAFWMFPPTAAAAGAGPSSQQPQIWALSPTVTPVFNMAAR
PISSFVANQPAVVGPAVPSAVVEVPSHVAHHGGGLSTSTTSVGPTAAKKTSSSTMAPSLSSS
GGGGGETKAQMLRDFSLEIYEKRELQFMGRPGNHQRQSSKP

> *M.alba*_G0006782

MAENKPAEIKDFQIIANKEDANNNTKKQQLAPKRSSNKDRHKKVDGRGRRIRMPALCAA
RVFQLTRELGHKSDGETIQWLLQQAEPSIIAATGTGTIPASALAAAGSSVSEQGNSVSSALH
TRMEDLGRANWAVMSGNLGRSHGIWPGIGGFGSGFFPNSGQPTTSFGGENTNMLLPKFGF
HGDFPPGMNLGAVSFNTVIGGGNQVPGLELGLSQDGHIRVLNSQTLAQLQQQQQQMG

QRSSGGDGGGDSLVRHRSPEKDDSQSR

> *M.alba*_G0007510

MFPLSGIYQHFPENTPENIDHDENPNSSNQVQQYSRLAYSNLPTIFEDDGMLLSHLLSQEQ
LIFAGNSTSHSSQAHTDEISVVASKQAVLDHHQSPSTHENPSKLGFTKKQRAKVQAIISIPR
RRTGKKDRHSKISTAQGLRDRRMRLSLQIARKFFDLQDMLGFDKASKTIEWLITKSKTAIK
ELKAKQRCSSSTSEGEVVSKTVEKEDSGDDHHDHDESLIRMRKEKKIRKSHKVIARESMDKA
RARARERTREKNLEKSRQSTPTTSSSPEAANNSTNTSVDLGKLRPNNSSLKMGASRFD
QEFPGSDQMLDYSISNHIGGVSSGANSEDDFLGFPGNWDINIIDESSKTESFCGITVANAKP
VVIGNVRTQNPCAIFTTTLSFDTKEKKPTSSFFPVIATSNAQRENPSIFVTSSSYRHIVEENP
SSVFMATSTISHNYAAEEP

> *M.alba*_G0008688

MSNSDVGASNGVNNSAIIIVQQGQQPMALATVNNSTNGGNNGSLVVKKPPSKDRHSKVD
GRGRRIRMPIICAARVFQLTRELGHKSDGQTIEWLLRQAEPSIIAATGTGTTPASFSTVSVSV
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GEASAARLGNYPGHLNLLASLSGGPGSSGRRDDPR

> *M.alba*_G0010736

MMSYLLDSVPRQILQQRELKDDEKEEKPRGQDRDQAEEDDEEGEQGQGMIFGKYQ
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AGDALQVHGGHVVRFIKKERHNKVCSTSKGPRDRRVRLSAHTAIQFYDVQDRLYDQPT
KAIDWLIEKAKAAIEGLAELPAQNNDSTIDTDCVTQPESVMRDKNLYPLQYHQGCDNWP
QKISVGSTSKCDKEEQLHLNNEGIFSMVSKFQDCPTEQNSTQGLCLSLQSSSEDQDLYLHHS
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> *M.alba*_G0010963

MEAEIQAQACNNNSTTKFPRNKLQKGGHDHHPGDEGDLGDQVKRPNTGSTAIDGG
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PSKAVEWLINAASDSIAELPSLNSSFPDTPKQLSDEKRPSVGKEQGFDSEVVELELDQGE
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SSGGDGHTAAEALPPQFSFVPEQLIATTSSQPNGSGGDYSLNFSISSGLAGFNRTLQSNS
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GRHSDQKGGKGN

> *M.alba*_G0015368

MNSEISSTGPSAKCSRSKDRHTKVGGRGCRVRLPAMCAARVFQLTRELGYKTDGQTIEWL
LEHAQLPSIGAAATATGTGNGVVLGGETNANSSLPTSCSERVCEKKDHVVKKCYFSRDQ
PAFDLFDLLTNFDMEFANEIALQALTSETQEEEEEEEEEDKRKE

> *M.alba*_G0015857

MDLADLQSNKQNTSNTNNSARQQNQQLLHHHHHHHHHQQQQQQKQSPSSSSPQFVVPFD
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NKQDAAAAAAGSSAGLLRPSNLLPPTAMWAVAPSSGAGSTFWMLPVTAGTGVSPVAPATS
EQPHMWTFPTPPPSHGSTLQAPLHFMPRFNLPGGIDFQGGGRGSQLQLGSMLMQQQPGA
AAAQPSQQLGLGVSESNLGMLAALNAYSRGGLNINSDDHHQSHPLEHHQHQQHQQHQS
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> *M.alba*_G0018434

MEGSDDLHHHHHHHHHHQQQHHRPNFPFQLEKKEEAAEASCSSSSAAAYPSLAISAAVE
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HGGDDRHDNSHHS

> *M.alba*_G0018610

MITSPKEKDFPAAKREGPAEDKKLYKAPSASSRQWSSAGFQNPRIVRVSRTFGGKDRHSK
VCTVRGLRDRRIRLSVPTAVQLYDLQDRLGLSQPSKVIDWLIDATKLDIDKLPLQIPQGV
GQFLHHNNHDDHHHHQHLLHLLDPHHDQVKTNEQDQFAQKLFVPSYMNHYQNYTDQ
TSFYGHGIALPGQYFDGISGHNNLVMSTTNSSTTSSFNSSISQSVSQLFFCAPPSNSTTTTS
FLTSTPYPSYMSSTTTQYHENPHDTIRPQMINNHIQLMSANSSTISSTSASSSSSSQQFHILN
NSLMASLHTTSVNNNNNNNNPPLIKSFPAIHPRLLAQSSAYENRQQKDRSTTAG

> *M.alba*_G0019145

MGDTTINTAPASSSRLGIRSITSNHHSGSSNNNVVIGGGEIVEVQGGHIVRSTGRKDRHSK
VCTAKGPRDRRVRLAAHTAIQFYDVQDRLGYDRPSKAVDWLIKKAKAAIDELDELPTWN
PISAAAAAQSAATTVSASLAGDGGNLQSQMMEQQHQQNDNSNINNNGNTSSGFLPP
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QLSLQSFQDPILLNHHQQAQVQAQQAHHNEHGFFSGFGWSDHHHHQNPAEISRFQRIMF
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