

ESP5/ CPSF100/ At5g23880

MGTSVQVTPPLCGVYNNPLSYLVSIDGFNFLIDCGWDLFDFTSLELPLSRVASTIDAVLLSHPDTLHIGALPYAMKQLGLSAPVYATEPVRHLGLLTM
 YDQFLSRKQVSDFDLFTLDDIDSAFQNVIRLTYSQNYHLSGKGEGEVIAPHAVGHMLGGSIWIRITKDGEDVIYAVDYNHRKRHERLNGTGLVQSFVRPAV
 LITDAYHALYNTQTARQQRKKEFLDTISKHLEVGGNVLLPVDTAGRVLELELLILEQHWSSRSPSPFIYFLTYVSSSTIDVYKSPLEWMSDSISKSPFET
 SRDNAPFLRRHVTLLINKTDLDNAPPQPKVVLASMASLEAGFARLIFVEWANDERNLVLFTETGQFGTLARMLQSAPPPKFKVKTMSKRVPLAGEELIA
 YEEEQNRLLKREEARLRSALVKEEETKLSHGSDNSSEPMIDTKTHDVIQSHGHPAYKDIIDLIDGFVPPSSSVAMPFPYDNTSEWDDFGEIINPDDVVI
 KDEDMDRGAMHNGGDVGRLEDEATASLMLDTRPSKVMSELIVTVCSLVMKDYEGRSRGSKSMIAHVSPKLKLVLVAIAEATEHLKQHLNNICP
 HVYAPQIEETVDVTSDLCAKYLQSEKLMNSVIFPKLKGDSVAVWVDSVGVKTERDMRSLLPMPGAASPHKPVLVGLDLKIDAFKQFLSSKGVQVEFAGG
 GALRCGEYVTLRKVQPTGQKGGASGPQQILIEGPLCEDYKIRDYLSQFYLL

CPSF160/ At5g51660

MSFAAYKMMHWPTGVENCASGYITHSLSDSTLQIPIVSVHDDIEAEVWPNKRGIGLPFNVVITAANILEVYIVRAQEEGNTQELRNPKLAKRGGVMDG
 VYGVSLLEVCHYRLHGNVESIAVLPMGGNSKGRDSIILTFRDAKISVLEFDDSIHSLRMTSMHCFEQPDWLHLKRGRESFPRGPLVKVDPQRCGG
 VLVYGLQMIILKTSQVSGSLVGDDDAFSSGGTVSARVSESSYIINLRDLEMKHVKDFVFLHGYIEPVIIVLQEEHTWAGRVSWKHHTCVLSALSINST
 LKQHPVWISAINLPHDAYLLAVVSPSIGGVLVLCANTIIHYHSQSASCALALNNYASSADSSQELPASNFSVELDAAHGTWISNDVALLSTKSGELLLL
 TLIYDGRAVQRLDLSKSKVASLADITSVGNLSFLGSRLLGDSLLVQFSCRSPPAASLPLGRDEDEIEGEGHQAKRLRMTSDTFQDTIGNEELSLFG
 STPNNSDSAQKSFSAVRDLSLVNVPKVDIYAGLRINADANATGVSKQSNYELVCCSGHGKNGALCVLRQSRIPEMITEVELPGCKGIWTVYHKSRRG
 HNADSSKMAADEDEYHAYLIIISLEARVWVLEADLLTEVTEVSDVYVQGHRTIAAGNLPGRRVVIQVFEHGARILDSFMMQELSFSGASNESNSGSES
 STVSSVSIADPYVLLRMTDSDIRLLVGDPTSTCVSISPPSVLEGSKRKSIACTLYHDKGPEPWLKASTDAWLSGGVGEAVDSDVGGPQDQDIYCVV
 CYESGALEIFDVPSPFCVSVKDFASGRRLHSDMPIHELEYELNKNSEDNTSSKEIKNTRVVELAMQRWGHHTRPFLFAVLADGTILCYHAYLFDGV
 DSTKAENSLSENPAALNNSGSSKLRNLKFLRILPDTSTREGTSDGVASQIRITMFKNISGHQGFLLSGSRPGWCMFLFRERLRFSHQCDGSIAAFTVL
 HNVNCHNGFIVYTAQGVKICQPLSPASIIDNYWVQKIPLKPATPHQVYYAEKNLYPLIVSYPVSKPLNQVLSLVDQEAQQQLDNHNMSSDDLQRTY
 TVEFEIQLIEPERSGGPWETKAKIPMQTSEHALTVRVVLLNASTGENETRLLAGVTAYVQGEDVAARGRVLLFSFGKNGDNSQNVVTEVYSRELKGA
 ISAVASIQGHLLISSGPKIILHKWNGTELNGVAFDAPPLYVVMNVVKSFILLGDVHKSIYFLSWKEQGSQSLSLAKDFESLDCFATEFLIDGSTLS
 LAVSDEQKNIQVFFYAPKMIESWGLKLLSRAEFVGHAVSKFLRLQMVSSGADKINRFALLFGLTLDGSPGCIAPLDEVTFRRLQSLQKKLVDVAVPHV
 AGLNPLAFRRFSSSGKARRSGPDSIVDCELLCHYEMLPLEEQLELAHQIGTRYIISKDLVDLSVGTSTFL

CPSF73/ At1g61010

MASSTSLKRREQPISRDGDQLIVTPLGAGSEVGRSCVYMSFRGKNILFDCGIIHPAYSMAALPYFDEIDPSSIDVLLITHFHIDHAASLPYFLEKTT
 FNGRVPMTHATAKYKLLLTVDYVVKVSVSDVMLFDEQDINKSMDKIEVIDFHQTVENVGKIFWCYTAGHVLGAAMPVMDIAGVRIILYTDGYSREEDR
 HLRAAELPQFSPDICIESTSGVQLHQRSHIREKFTDVIHSTVACGRVLIIPAFALGRAQELLLILDEYWANHPDLHNIPFIYASPLAKKCMVAYQT
 YILSMNDRINQFANSNPFVFKHISPLNSIDDFNDVGPVSMVATPGGLQSGLSRQLFDSWCSDKKNACIIPGYMVEGTAKTIINPEKVTLMNGLTA
 PLNMQVHYISFSAHADYAQTSTFLKELMPPNIILVHGEANEMMLRKLKLETFEPDGNKIMTPKNCESVEMYFNSEKLAKTIGRLAEKTPDVGDTVSG
 ILVKKGFTYQIMAPDELHVSQSLSTATVYQRITIPFVGAFGVKHRLEKIFESVEFSTDEESGLPALKVHERVTVKQSEKHSIQWSSDIPDMVSD
 SIVALILNISREVPKIVMEEEDAVKSEENEGKVEKVIYALVLSLFDGVLKGENGLKLVIRVDGNAQLDKESGEVESEHSGLKERVVRVAFERIQSAVK
 PIPLSAS

ESP4/Syplekin/At5g01400

MASYSRARLKDLANSAKSATELPPKQLRMYMRDLQKDDSVFPTELLPHLFDLLSDQFGAVRKFVAEILGEGIKLYVELIPEIVPLLIKSLEDETPA
 VARQVIACGADLFRSTLERVAVQGLHSSSELNDLLESSWTWLIKFKDEICSVAFKQGNSGVKLCAMKFVEALILLYTPHEGIEADFNISILRGGHPVLK
 IGDLSEIASQKGLGLLDQLRHPAAKSNLSSTIIVLINSLSVAKKRPAVCGRILPVLVSLDPLSFLKGVYAAATNLALKTVFLSCLKCTHPAAAPDRL
 TSALKEIEGGQAQAKDLFYKNGSIQDKDSVEDTKVSVENPLCASSDVAESNLSRKRSGSEYINIDLNGDASDGKRARITPSVSEESTDGLNGNDG
 VSLPRVASTSTGSDSRGVSDSGAQQLVGLFGLTVSQGEKAIGSLEILISSISADLLTDDVMMANMHNIPNCCSSYADGTDELVMNMCIVGSDAQIKY
 PPSFVAGVLSLSTAFPPIAALINPHNEDEEVYSHVDQMPFAEDARTPPGLLATCDTSPFNEESNTVSPQNVIHIGNRESGIPGLESAQHDGSGA
 LVTNVLSSTNVEAASKNQNASFSGLKLVLDVIPSMSVDKLEEFSPKAVGTVASASQVFLPKISAPVVLDLDEEKDSLQKLVFLRIVEAYKQISMSGGSQ
 LRFSLLAHLGVEFPSELDPWKILQEHVLSDYLNHEGHETLVRVLYRYLGEAAEQDFFSSTTAASAYESFLLVAEALRDSFPPSDKSLKLLGDSPH
 LPKSVMLLESFCCPGSGEVEKDLQHGDRVTVQGLSAVWSLILMRPGRINDCLNIALQSAVHHLBIRMKAIKRVANKLYLSLSPITEQIEEFKADRLFS

VVSDDCDKMDLCLKSPPNKPQHSISGMSMETPSEATSSSTSVTEAQRCLSLYFALCTKVLRIFTILRLMTNLVFNIIYKNASDPVKQAIHLQIPILVTR
MGSSSELLKIIADPPSGSDNLLIQVLQTLTEGPTPSELILTIRKLFDTRIKDV⁸EILFPILPFLPR⁵DDVLRIFPHMVNLPMEKFQVALSRVLQSSQS
GPVLSPEALIAIHSIDPAR¹DGIPLKQVTDACNTCFAQRQFTFTQQVLAGVLNQLVQQIPLPMLFMRTVLQAIGAFPALSDFILEILSRLVSKQIWKYP
KLWVGFLKCTQTTQPQSYK¹VLLQLPPLQLGNALTK¹IPALRAPLTAHASQPEIQSSLPRSTLAVLGLVPDSQGTQTSQVQANETQTSQEQQQQQASEPQ
QTSQSQQVSVPLSHSQVDHQEPSQVVASQSQSSPIGTVQSAMSQSQNSPIDTGRSEMSQSQNSPIDTGRSEMSQSQNSPIDTGRSEMSQSQNSPIDTGR
RSEMSESQSSPIGQSQSSPIGTGQSDMSQTPQVSDSSAPEPTSHTRTSDPQASSQTLRDDDEKIDDTATSENEVTEIEKSKESSEEEEEEEEEEE

FY/Pfs2/At5g13480

MYAGGDMHRGSQMPQPPMMRQSSASSTNINPDYHHPSGFPDPNVDSFGAKRMRKHTQR⁴RAVDY⁶TSTVVR¹YIQARTWQRDSRDR¹TTLQPTPAAAVDMLP
TVAYS¹DNPSTSF¹AAK¹FVHASLNKNRCSINRVLWTPSGRRLITGSQSGEFTLWNGQSFNFEMILQAHDQPIRSMVWSHNENYMVSGDDGGTLK¹YWQNNM
NNVKANKTAHKESIRDL¹SFCKTDLKFCSCSDDTTVKVWDFTKCVDESSLTGYIGKGVIEIRFGVMPCNAGHGWDVKSVDWHPTKSLLVSGGKDQLVKL
WDTRSGRELCSLHGHNIVLSVKWNQNGNWLLTASKDQIIKLYDIRTMKELQSF¹RGHTKDV¹TS¹LAWHP¹CHEEYFVSGSSDGSICHWIVGHENPQIEIP
NAHDNSVWDLAWHPIGYLLCSGSNDHTTKFWCRNRPADNPRDVL¹MQNQGLTGQALAGSVIYSYNGWFEMDLGFLRFLRGQPYGTALKTQTQVLGYNEQ
GFGRQPDNFPQSEASPIPGAFVPLTRNEGTIPGIGIAMPFDASSQGDHKQPLPGSMALGAPPLPPGPHPSLLGSGQQQGYQQQQQHGHPPQMLPMP
NMPHHQLPPSSHMPLHPPHLLPRPMQMPPHGHMPPPSMPMSHQMPGSMGMQGGMNPQMSQSHFMGAPSGVFGQGPNSGGPQMYPQGRGGFNRPQMI¹PGY
NNPFQQQQQPPLPPGPPN¹QQHQ