

## ***Arabidopsis thaliana***

>AtOFP1 At5g01840

MGNNYRFKLSELIPNAWFYKLRDMSKSKKKNLQSQPNSTTSKKKHHAVPTPTSTTPLSP  
RPPRRPSHSSKAPPSHPPRKSSGNRLRHRATVDSKSSTTSGDSTTTETGSFSPDFRSD  
QVLLPDESLTGSWHSPCSSKLSKTATFTPPPELELRPIITKTAATARKTAVNSPAGVRLRM  
RSPRISVSSSARRSGSSARRSRAVVKASVDPKRDFKESMEEMIAENKIRATKDLEELLAC  
YLCLNSDEYHAIINVKQIWLDLNLPPPHSK\*

>AtOFP2 At2g30400

MGNYKFRISEMLPNAWFHKLKDVTKHSPKNKASSSSSNTCSKKKPSSDSLQHSYFS  
NSLVANNPPHHNSPRNSLHTKKMSKRKTLYKPSLKPLTPPPLLVSASFNKSKindQDSSY  
SLFPAIETSPESFVYSFYEEDDDDDEFVEFSNFKINTKNKAFTKQKVVIDSVEKACTASKPI  
KKPQKSHLSVKISRDEDDNEYKAEKKYQRQVSSGRKPSAGINLKRVNSPRIQLSGTRRS  
TSRRSESKQDVLESFAVMKRSVDPKKDFRESMIEMIEENNIRASKDLEDLLACYLTLPNK  
EYHDLIIHVFEQIWLQLTKTK\*

>AtOFP3 At5g58360

MKQKMGTHTKFRFSDMMPHSWLYKLKGMSRSSRKHHLSPPKHLSSADASSSRKLRDPL  
RRLSSTAHPQASNSPPKSSSFKRKIKRKTIVYKPSSRLKLSTSSSLNHRSKSSSSANAIS  
DSAVGSFLDRVSSPSDQNFVHDPEPHSSIDIKDELSVRKLDDVPEDPSVSPNLSPETAKE  
PPFEMMTQQKLKKPKAHSSGIKPTKIVRKKKKERTSQVSKKKGVVKSFAIVLSSVDPEK  
DFRESMVEMIMENKMQREQDLEDLLACYLSLNSSEYHDVIIKAFENTWLHLTQGLSISL\*

>AtOFP4 At1g06920

MRNYKLRLSVMSPSEWFHKLKNMTKPRKKHSLPLYSINTTKRKPSSESkslPYSSTSY  
FFNRSRSRTSFESRILQISPRNSLHNIQSKRKTIVYKPSPSSSIVSAGFNKTFHQSHDSL  
ASSNLKVISSEDDIIDMNNRDFKKKTFKEITKFDSTEKACRASNRKETHIPHHLSVKVSK  
EKEDEEEDACRTKKKHQKTLVSSGRRSSAKSPRIKLARSPRIQVSPRRSKSRSQNKQI  
LDSFAVIKSSIDPSKDFRESMVEMIAENNI RTSNDMEDLLVCYLTLNPKEYHDLIIKV FVQV  
WLEVINSTFASK\*

>AtOFP5 At4g18830

MMRWGRKKPVSSSSSSGLSRALPVSWFSKLSGSSDLKPAKEKKQDEKASQNISVKTS  
SSTTRRSDIHENSkrfQRVsVEKENSATRSADKESNEKFEEIMSSVRKKVRDFQKETCG  
FLEVEAMDRDNGTVILTPRIQVNRDKQRCERRDQRLLEQKPKRSEQDAGVKVKKPARR  
TGTGGYSREDSVILGHTITKPAHQWEKLKEVKLREVKLKADQQRKSLYLKRELNRIgTKE  
NNKVRVFSpraseKCRVKAIEDLKKAKQRAREHELLIETADGGMENESFAVVKCSSDPQ  
KDFRDSMIEMIMENGINHPEELKELLVCYLRLNTDEYHDMIISVFQQVHNDFNH\*

>AtOFP6 At3g52525

MATKSKKKILKTVSVVDISCGNCIKPTFASIFNFFSKKPKRPSSTYRHCHSSISSATPSSTP  
LATASVAVEKSDDPYLDfrQsMLQMIENQIYSKDELRELLQCFLSLNSHYHHGIIVRAF  
SEIWEDVSSAAASAVEASPLITRHVSRASRDYYNYY\*

>AtOFP7 At2g18500

MTKRFLKISRILSFKSCRLKDPSSLPFNPVSSSLRRTSPLVNSSADVTTVPQRRRSSFR  
LHVLTVFGCGRSSTPLDVLNRNSPVLSPPTPTFQWESEKWHVIAQVTEEEYETPRR  
KIYNGGSEKDNRRRLKKKEKSNSRRRGSISSAEEETDRESLLPSSTNLSPEYSSSELPR  
VTRRPRQLLKKAVIEEESESSPPSPARLSSFVQRLMPCTMAAAVMVEGVAVVKKSED  
PYEDFKGSMEMIVEKKMFEVAELEQLLSCFLSLNAKRHHRAIVRAFSEIWVALFSGGS  
GGRRSSSFSSVRLSDYDEC\*

>AtOFP8 At5g19650

MEKRMKLRVSRIVRSSLSSCRPRDLYDVVETCAVTSKATSSERFFVTKAKTKTPSRPKS  
HASSCPRASPIFPNPFYEESSFRDLRKKVKTNRKQRSQFGSDPLFASRFKSTGSWY  
WSCSEEEDEGDKEESEDSDTLFSSRSFSSDSSKAESFAVVKKSKDPYEDFRTSMVE  
MIVERQIFAPAEQLQLQCFLSLNSRQHHKVIVQVFLEIYATLFSP\*

>AtOFP9 At4G04030

MLARAPAPLLLLPSPNPPPCALPQDLTSLVSPSEPPDPPDPPDYLVGASNSFLSILLRSS  
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KGSNFFEFFTFWNMPFILQFPHHEDVMISTSFRLVLPQYEAVMILLKLKFLPHYEDVL  
FSIGLRIQLLLPQYEVGLILYKLRLLLPHYEDVIQKLWLRAIHVIVSLVWFLEISRRIKEKTYD  
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>AtOFP10 At5g22240

MLNLQAKLNEKKVPLLTNFPTPTSSLNNLNLFSPLVKKKMSFKKMMKYILKTIFKPIFMA  
CGCGSTVPPSSHSHYTPGPPVSPTVLRSPCPKIDESVAMAKESINPFEDYKKSMNQMI  
ERYIETESELKELLRCFLDINPSPQHNLIVRAFDVCSHLQPPHRRGKSLGRLRLRYVN  
NPLDNNDDDSHQTSSK\*

>AtOFP11 At4g14860

MSNFLRKHLHLCFSSSGGLSPSIPSSPIIVSNHNAQSHPHHTPSIFINNFSLYDQLSVSS  
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REMVEARDLTRDVVADREYLHELLFCYLYLNPKHTHRFIVSAFADTLLWLLSPSPSPEHF  
LS\*

>AtOFP12 At1g05420

MPRVMWKNFHLCFPSNLTKPSSSPSGATSDDPNRPSILLINNFNLLYDDSSAAHRRLSK  
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SPGCSNSITDSPDLRCRDNYDTATRLTGGTAVKHVYQSPDPYNDFRRSMQEMIDAVTN  
AGDLRRYEFLHELLLSYLSLNAADTHKFIIRAFADILVSLSDGHRIS\*

>AtOFP13 At5g04820

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EIEEKS KSDLKSKETVAVGEDRSTPIEEISVAVAMESEDPYGDFRRSMEEEMVTSHGELAK

DWESLESLAWYLRMNGRKSHGVIVSAFVDLLSGLSDSGAGITSASVSDSARYSTAVSS  
LPSSPVYSLSQGQTEIQEEERRSC\*

>AtOFP14 At1g79960

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DDSDDDDDDDDYRHRFERTWGHAVYDSPKQPPDLLRTERLSPPPGSSEGRPSMETTS  
TSSERQSRSTLVLPENCIAVLRYTDEPQEDFRQSMVEMMESKLGMRSEVDWDLMEEL  
LFCYLDLNDKKSHKFILSAFVDLIIALREKEKRITRKGHVRSLSLTRAARDRLRKMIMSDN\*

>AtOFP15 At2g36050

MKLPFLNKNHSTSSYSSNSSSSSSWPWPSCNQNPCTLFRATITFTNPIHDQDDDELDDL  
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SDFKRSMEEMVEAHALHHDWKSLEKLLLQFLKVNAKTSHRYIFAAFVDLLMNLALDTKK  
AIINNDISKDDGVASASRAAAAGEASTSCCNSMTLGESPSSPLSFYTSCSSSSSSDETSS  
MSVRFLPLSSLLEMDEKTKEILV\*

>AtOFP16 At2g32100

MPKILWKSLHLCFPSNLTKCYSSPCIPPSSADPDGIIQPNRPSIVLLNNFNLLYHNDNHHH  
PHRVIDLPSSSTTTTPAATSSSSTSSYESDISPDVSAAFASRRFFFSSPGRSNAITDSPEP  
RSREFSDNYDDATITSTKKKKKKVYDNSVTTTTTRLISGGTAVTQHVDSPDPLTDFRRSM  
QEMIDAAIDAGELSRDPNDGYDFLDELLLTYSLNPADTHKFVIRAFSDILVSLSEERRIC  
\*

>AtOFP17 At2g30395

MRVKATLINFKSKLSKSCNRFVSLFRFRVKRPVFIRPLRARHGNVKPRHQHHHSKKPICS  
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KSLNARDTFEDNAVEDACRSFENYLIHLIVEEGKIDDLMDIEELLFCWKNLKSPVFIELVSR  
FYGELCRDLFSGE\*

>AtOFP18 At3g52540

MVRKMKLPFLNKNTSSSSFSSNSSSSSSSSWPWPSSHQQNLKTISSKASFIVNKP KD VYE  
PEPPPRSFSSSPSSSSSYSSFSSTSHAIENPPEIESIENVIKGLKSSKRLIFERRGTSNSILE  
EATKRDDHEEEEDGLMLLSLESNDPYTDFKNSMEKMVEVHVLHHDWISLEKLLFWFLKV  
NVKASHRYIFAAFVDLVNLAVGPSKDVAGEPNSDVVVEDSLSSSWPVSLYSSSDENSS  
TSVRFLPETSIGEKGRDVCCLSSLFELEEKIKDNIDPNDYVSS\*

## ***Solanum lycopersicum***

>SIOFP1 Solyc02g085500

MGKSLKLRFSRVIASFNSCRSKNPSSLPQNPFFPHKLTSTKHISPDFPLIDQNQNQNHR  
NYVPESTMISVGCCRSEFKWEKEEFHVSSSFVSEEEEEEEEEINLALRPPLTPPRFSRI  
VVEKKKKKKQQRVKTKTKSRIIRMSTSSADEYSGILSGTNTDWDNNEEETESLVSSSR  
CYDFSDDSDSTDFNPHLETICETTTMRRRHKRNANTKRRSIKQSRPSFSSSKGRRSSVS  
TSSDSELPARLSVFKKLIPCSVDGKVKESFAIVKKSQDPY\*

>SIOFP2 Solyc10g076180

MGNRYFRLSDMMPNAWFYKLKDMAKSSSRHSHTTSSSNLQLDKKRQPHNNLGCQR  
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VWTKPDSTPEQYPNSSSSSSSSSPSSILPHKSNPIASISPSCDCRTDYTNQNSANLDPG  
VHSVSKIDLPRITKPEKFNEKIQEKQRIVKQEQRIVRRVSTNGVKLRTNSPRITTTTTNSR  
KSVSSKRTSVTTDSFAVVKSSRNPKQDFRESMVEMIIENNITTSKDLEELLACYLSLNSDE  
YHDIHKVFKQIWFEITEIRLK\*

>SIOFP3 Solyc02g072030

MKWGKKKPSSSLMTHVFPVSWLSKFKQKKVCRSEDQEGAKMRKVDLRTNVCLKQGRF  
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FSNRKRNSVKDEKLRLSRKALEERIAENAREEVTEKDIFEIEPEDEKVMKRGKEKPTAY  
KSRKARSLSYNDSSPNSVEESCMFTSLNLEEEADALSEEEFESECLKIKEMSEKSGCQ  
QRKSVYINQKRRRKHGKIVRAYSPRTAKMECRIKALEDMMKARMKTRHETKESFTGDRT  
VFDSYAIMKSSFDPFSDFRDSMIEMITQRGKSSEELEELLACYLTLCDEYHDIHKVFRQ  
VWFELNQINIGEELQKCCCSDE\*

>SIOFP4 Solyc08g068170

MDNHIVNKFSRLFPSSFTSCQFRNIPDVVENSFIISKNSKVFHNNAVGVSSRTNSSIKTQE  
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QKSSEMGRCYSELSVNSVSRVGSNLGESKWWKSRNGTSKTEQNGGKVSRTLRETGGT  
SRKKYGSEMSHCSATLSRTNGRVGSNLDESKWWKSINGLDFASAKTEQNRGKTSRTAR  
KTANQNDSEMSPSSSALWRTNERVHSNLDESKWWKSINELDFTTSKTEQNRGKAESKW  
VKSINELDFASSNTEQNRGKPIRTARKTANQNDSEMSHSSSELSMINEQVNSNLDELKR  
VKSINELDFTISKTEQNRVNTSRKTPPRSSRRTLRTTPVEKFDYYSDFTSNTRRKTTKC  
RRKIKKSSSTSSDEMGRKIVIEGRIEESIAVEKNTNDPHNDFRTSMLEMIVEKQIFGLKDL  
QRLHCFSLNSPSFHKIIFEVFAEIFETLFH\*

>SIOFP5 Solyc04g080210

MTRRFKLKLSMPSFRFCRPPKASFLPKSPMPLSLYKFSPANILDNSPVVPPSTPHHPYI  
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EKPNDETESFMSSPSFESSFDVDHGIDPLSGIRRKNNNNNTKVRRLRRYLSNSLKDSMM  
PCMADGKVNESFAIVKRSVDPYDDFKNSMKEMIMEKEMFEAEDLEQLLLCFLSLNSRHH  
HAIIVEAFTEIWEELFGKSSKSMCLKLPRFQ\*

>SIOFP6 Solyc01g00780

MSTHRRRIILSNVTVKLGCSSSCIRPKLSSIFHPKPRKSPKSQTQNKNYSSNYSSCSSWDT  
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KEIYSKDDLKELLNCFQLNSPYYHGIIVRAFTEIWNGVFSLRPGVAGASSPFLHGGSHV  
TYR\*

>SIOFP7 Solyc12g007080

MPSKSTFDQWRTQKFFTSSSIGLLSQYDFGYKWKMPSSITNFSS\*

>SIOFP8 Solyc05g055220

MAKKLKISSIFKKKELGLATWQWPSCTHSKTLSFRGDDNIFKTINSVFFDPFDGIETPQSY  
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SKDPYLDFFKKSMKEMVESQGIKDWDNLQELLACYLKLNGEVNHGFVLGAFVDLLVELVI  
PTTPSTNSDNSITSYSSVASSSFSCPSSPLSSLGHKETEEQENAKVS\*

>SIOFP9 Solyc09g018200

MGNRYFKLSDMVTSSWFYKLKDMAKSRTQIKRKQTSSSTSSSSFSIFYSSSNVQQHHR  
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SVSKIDLPPILTKPNKKEEKTELKFLTvkTEQSTSPKRRISVSSSSTGVKLRTKSPRIISRR  
SVGEKSYAVVKSSKNPQKDFKESMVEMIVKNNIKTSKDLEELLACYLLLNSHHYHHLITV  
FKQIWFDLQLK\*

>SIOFP10 Solyc10g082050

MSTTKKRVLNRNVTVKLGCSSSCIRPKFSSIFHPKPRRHHSADSAAVFNHHKTPNNKYSF  
SNSTITTATTFSPSPTPSPAHYSSDAERAVQGFGRIGGESVAVEKDSDDPYVDFRQSM  
LQMLEKEIYSKDELRELLNCFQLNSPYYHGIIVRAFTEIWHCVFSVNPGVTGAESPFL\*

>SIOFP11 Solyc11g068780

MSSKNKKIWNCITSNGTAGCGCSKPKLSEIIQPKPKPRPEPEPNAHSSSTSNSDSPSPTI  
MPAKIVGSVAVVKDSDDPFGDFRRSMLQMIMEKEIYSYDDLNELLNCFQLNSPSHHDIIL  
QAFMEIWNNGKNYIAN\*

>SIOFP12 Solyc06g082460

MGNHKFKFSDMMPNTWIFYKLKDMSKTKNHKSPFSSSSTNKSQYSQPRSSFSYTRRSI  
RVDKIYNHSYNFLDQPRRSSSSSSSKKSKRKTIIKPSPKHIPSSVTNYVSVSNKLNTSS  
SVYSTEEDKFPELDFLNSPSSEFDSVDSQTFNELPSTWPNSCNCHFTSSATDIIIDVNDK  
ALSNEFHNLTTTEYAEFSDIDQLPPIFTKASNSIKNIQDENVKAQREKEPKNRVGSPPVSRK  
HYSSSSGVKLRTNSTKVANKRNSVSSSKRRSKTKKESCSASRGTSFAIVKASIDPEKDF  
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>SIOFP13 Solyc11g006670

MGKKMNLGSWQWPSCTHSKTQSFRANHIFKTINSIFLDPSNTDHHHHGVVEIETTPES  
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NQNSQSQSRDQDQSQSQSQEKLKEIEEDVDEELPFKESVALALESEDOPYLDFFKSMEE

MVDTHEIKDWESLQELLQWYLMNGKNNHGFIIIGAFVDLLIGFTPSNCDSITCYSSAASS  
FSSIEEKGE\*

>SIOFP14 Solyc03g034100

MAKLLKFRISKAISNSFHSCRSKDPCTLPQHVPVSFLQNTQFITDDHLLFEEMIQNNES  
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KEEDKWQHFIKTNSDDDTKQQPRRKISYSFSSDNSDNDKILIEIKKKISTSKTNFFMMMS  
TTSSSSMDENEINFTSKKTKWDYHEDIDITNEDEENETETFISSSRKSHVEFPDDSSLN  
FSHEFDTIYKNTTRRCQKKIGYSKRRDHVKNTRSRSSRDMNIGRRSSISTSTTSSDGE  
LPPRLSVFKKLIPCNEVGKVKESFAIVKKSSEDPYEDFKSSMMEMILEKKIFEKNDLEQLLQ  
CFLSLNAKNCHGVIVEAFSEIWETLFSPNHN\*

>SIOFP15 Solyc01g007810

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ISITSSNININVDEGNIISFVPMGLDSNDPFVDFRKSMEEMVEAYEIKDWENLEELLTCYL  
KVNCKSNHGYIVGAFVDLLVNLATFSDNNNNVGV DIGAGVGAGVDESTIIMTTIDEEQQC  
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>SIOFP16 Solyc09g065350

MPRTTLGTNFNLCFTKLKRSPLRSIDDNDNDNDNERHQQQHSMHFCNSVKNFNSLY  
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ASTSSSVGSDAPLEGASRFQRIHPTRI WIFDDRCKKWWRHVD\*

>SIOFP17 Solyc09g082080

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VVTGGVAVQTYSPDPYSDFRSMQEMVEAHELTNVKANWGFLHELLLCYLNLPKHTH  
KYIIRAYSDLVVS LMSMDDSEKKTEGIARP\*

>SIOFP18 Solyc10g083080

MEFFSLFKSKKKPSFSPMLCRLPRCGNLRTLSIRDENNHNIFNSQRF CINVD DDIVDEVIE  
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RSIFKGSSSR LTKNDYSTSNNKFESLPLNNSCVISPSAMRVTSIDPYGYIKK YMEITVEEN  
QG IKDWKESLKEICAWYLENNDNDKN IHKFIIGAFCDLWMSYS GTSTTNT PFGFSTSEPP  
SPYFMSLIEAKADQIIATSTSSVIP\*

>SIOFP19 Solyc10g083070

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IESLKLEKDRFFVEAGQKTS LILDMSSSR LSKKRTISK RLEFLPFNNDSCVITSMDSIDAYG  
ETSR SILEGSSSR LSKSTNNSTSSKRLGYLPSNDSMDSYGDQETSSILDMSSSSNDNI  
SSKGLGYLPSNESMDATSILERSKSNSSHGFVYYVPCKKTYAIMRLISRPYEDIKYFLEK  
MVDENLEIEDWEESLEELCGW LLEINEKNIHKYIVGAFCDLWMSYSCTSTINTPFGFSSS  
KPPSLYFMSLIENEADRMIAASTSSVTP\*

>SIOFP20 Solyc10g083090

MKFSSSLFKSKKKPPFSPMLCRLSRCGNLRTLSDRDENNHNIFNSQRFYNNVDDDEMDEV  
IENLKLEKDRFFVESGQKTSSLLDMSSSRLSKRRTISKRLFLPFNND SYVITLMDSIDAY  
GETSR SILEGSSSRLSKSTNNSTSSKRLSYRPSNDSMDSYGDQETSSILDMSSLSSNDS  
ISSNGLGYLPSNESMDATSILERSKSNSSHGFVYYVPCKKTYVIMRLISRDPYEDIKYFLE  
RMVDENLEIEDWKESLEELCGWILLEINEKNIHKYIVGAFCDLWMSYSCTSTTNTPFEFNS  
SKPPSLYFMSMIEDEADQMIAASTFSVIS\*

>SIOFP21 Solyc10g083100

MKFFSLFKSKKKPSFSPMLCRLPRCGNLRTLSDRDENNHNIFNSQRF CINVDDDIVDEVIE  
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MVESLPLNDSCVITPSVMRVTSIDPYGYIKKHEMMVEENQGIKDWKESLKEICALYLEI  
NYIDKNIHRFIIGAFCDLWMSYSGTSTTNTPF GFSTSEPPSPYFMSLMEA\*

>SIOFP22 Solyc10g082060

MNLSSLFKSKKKSSSFSPFLCPLPHCGIPKTLSLRVENNDNIFNSQRLYNNVDDDMVDKM  
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SIRDQVSSSTLSNNTNNSGKQVEYLPFNDSCIILSSSMDPYGSFKKSMVKMVEANLGIK  
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PTSTSFVIS\*

>SIOFP23 Solyc06g074020

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FIVA AFIDLCLGGHVQDVEPVENVEPLTDDIVNVILEELWWGL\*

>SIOFP24 Solyc03g120190

MPKQLQKSLSDYLT KKKKKATAQQTNSANKTLSSSTSWLLRGCRHPKTPSFSAVDRKE  
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RRFFIAPGSSSLIEEARTSMTVSDDTGSTSAITITTVTNTNSNELSAISTEYSKETLNAND  
FITLV TYSPSPYDDFRQSMQEMMEARLKDQGKINWEFMEELLFCYLDLNDKKS YKYILS  
AFVDQIVILRENSGRVPAISRNV RPLDGELNQRDT\*

>SIOFP25 Solyc06g082450

MNTSCCLKFNPNPCKKIVKLFKFKLRKPLFIRRLRIFRPSTRCESNTSTRRKQASQVLSVF  
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ENYLAEMIVEEGKMRDIMDVEELLYCWKNL KSPVFIDLVC RFYGELCKDLFSHTYKDDIN  
SPQKIMQ\*

>SIOFP26 Solyc01g090870

MKVKVFGRFKCKLFNPCKKIARLFKFR LRKPLFIRRLKFRRSVHKTERLRRVEREEDQV  
MELKSFSEVELHNKAPFPSPLTPAYVRLSAATR KDV PVL DNAEDACRSFENYL VETIVEE  
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## ***Oryza sativa***

>OsOFP01 LOC\_Os01g12690

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RLHRRGGGTPLPPSRFSVDASPKKEDAAAAAAAKEKEMTTAAARDVQGFHYHHRR  
HGSLGGGGGCGKSDKARRLLSNPYGFTTSDDADTDGDDVFSSDADDRGGRVVAGGG  
GGAKKGETEAFFSSSRFSDDSSEFYTKKKRNKPKKKSPSTASSKAAPPPPPPPPTT  
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>OsOFP02 LOC\_Os01g40970

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KFTQPAAAETSSSRSESVAEDARGTSSGDEDDNNSSTAIMLFSVDPYTDFFRRSMQNIIE  
MHHGEEPQPLDWDFFLEELLFYQLNEQSVHXYILKAFADLTAGAHVSCPARGKPQWA  
DKSVRSRKHY\*

>OsOFP03 LOC\_Os01g43610

MHTPFVDKSPHRRDLGLGAGGWLKQRLAQILVRSTCTTNTTTTTTTTTSSSTAFVSLDKTN  
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RSVHSDAPLLPYSSSLPTKDGRKQSRARRKARSSPSTSRRHCPSSSWGRARLPRGAP  
GQYSSSSSTVTDELAPFSTDEEGGEEADTRTLFSSLSFSSDSTSEFYHTNSSSSLARK  
GHKNAPARRPPARRASARITSDPADAFRPVVSVAATKKQHNDMKKKEETAIKRQLGTDD  
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>OsOFP04 LOC\_Os01g53160

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>OsOFP05 LOC\_Os01g54570

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>OsOFP06 LOC\_Os01g60810



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>OsOFP07 LOC\_Os01g64410

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AKLAV\*

>OsOFP08 LOC\_Os01g64430

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>OsOFP09 LOC\_Os02g45620

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>OsOFP10 LOC\_Os03g03480

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>OsOFP11 LOC\_Os03g06350

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>OsOFP12 LOC\_Os03g10150

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>OsOFP13 LOC\_Os03g21870

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>OsOFP14 LOC\_Os04g33870

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>OsOFP15 LOC\_Os04g37510

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>OsOFP16 LOC\_Os04g48830

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>OsOFP17 LOC\_Os04g58820

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>OsOFP18 LOC\_Os05g12808

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>OsOFP19 LOC\_Os05g12808

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>OsOFP20 LOC\_Os05g36970

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>OsOFP21 LOC\_Os05g36990

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>OsOFP22 LOC\_Os05g39950

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>OsOFP23 LOC\_Os05g44090

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>OsOFP24 LOC\_Os07g48150

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>OsOFP25 LOC\_Os08g01190

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>OsOFP26 LOC\_Os10g29610

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>OsOFP27 LOC\_Os10g38880

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>OsOFP28 LOC\_Os11g05770

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>OsOFP29 LOC\_Os11g05780

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>OsOFP30 LOC\_Os12g06150

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>OsOFP31 LOC\_Os12g06160

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## ***Capsicum annuum***

>CaOFP1 PHT93985.1

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>CaOFP2 PHT95520.1

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>CaOFP3 PHT95521.1

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>CaOFP4 PHT90291.1

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>CaOFP5 PHT91194.1

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>CaOFP6 PHT85943.1

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>CaOFP7 PHT88768.1

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>CaOFP8 PHT84793.1

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>CaOFP9 PHT82131.1

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>CaOFP10 PHT82132.1

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>CaOFP11 PHT82493.1

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>CaOFP12 PHT79195.1

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>CaOFP13 PHT79899.1

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>CaOFP14 PHT80370.1

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>CaOFP15 PHT76741.1

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>CaOFP16 PHT74641.1

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>CaOFP17 PHT72525.1

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MCYLTLPKSTHKYIVDAFADLIVCLMTSKSSQHLDPGAGSTSKCSQKCILDYKNPS\*

>CaOFP18 PHT70189.1

MGNKYFRLSDMMPNAWIYKLKDMSKVSSKSKGHSHTTSSSSTSSQHSSLNLQPDKKR  
QPPHKLCCQRKSYIYISRNLPSETFPHNPVSSNSPKASDNFHFTEPPRRSSTKKRSVN  
RRRNSSSPKLVTSVVSASCSGRASIKSVWTKADSNTPEEYPNSPHSSSSSSSMSSSLSL  
SDKIQAPKKLDPVTSISPSCIKDNDLDQKFHSISKIDLPPIITKSEKFDQNQIIKQEQSIAR  
RASSGVKLRTNSPRITNCRKIQASRSVSSRRTSVTESFAVVKSSRNPKKDFRESMVEM  
IVENNIRASKDLEELLACYLSLNSDEYHDLIIKVFQIWFIDITKY\*

>CaOFP19 PHT71118.1

MVEANQGIENSSILEVGSSSKSDDSSSKGFEFVPLIDSSVLTMLNLDPLGDSKKSMMKGM  
VESNHKTKTSSILEVASTLRSDNNISNGLKYLFSNDSFVLALMNSVNPYEDFKKSVEEML  
EVNQQTCDCEKCLEELLIWYLSNGKNNHSHSFTIPPFFGSTPGVSASPPFLSLLEAEDE



IVDEKILCVIS\*

>CaOFP20 PHT71146.1

MKLPSFFKIQETCPFIACGNLKTLSFRVENNHNI FNSQRFYNNVDDEIVENVIEDLKKEKE  
RFFYEGGERTSSILEVSSSKNNGDSNTFEFQPFSESSCVTTRMNLKDPFGNSKKSKGK  
MVEVNQGIEISSIREVGSTSKSDDSSSKGFEFVPLNDSSILMMDSVNPLENSKKSMKEV  
VESSSKSDYNSSNGLEYLPFNDSSIIALMNSVNPYEDFKKSMKEMLEANQQTTECEKCL  
EELLIWYLKSNNGKANHRYIIDAFFDLVNDYTSSINTTSCSHSFTNSPFFGSTPSVSATSPF  
LSLLEADDEIVNEITMTRRFSL\*

>CaOFP21 PHT71148.1

MNSVNPYEDFKKSMEEMKANQQTKEYEKCLEELLIWYLKSNNGNRYIIDAFFDLLNGYT  
SSTNTTSCSHSFTYSPFFGSTQSVSASPLFLSLLEAEDEIVNEIATTRRFSL\*

>CaOFP22 PHT71152.1

MDSVNPSPGNSKKSKKEVVESSSKSDNSSSNGLEILFNGSSIIALMDSDNPYEDFKKSIE  
EMLEANQQPKDCEKCLEELLIWYLKSNNGKANHRHIIDAFFDLLNGYSSSTNTTSCSHSFT  
ISPFFGSTPSVSASPPFLSLLELRMRVLMRLQQHEDSRFNLIGGI\*

>CaOFP23 PHT69076.1

MSSKNKKKWNCMITSNGKSNCGCTKPKLSEIIDPKPKQKQKQKPEHISTNLPKIVGSA  
IVKDSNDPYEDFRRSMIQMIMEKEIYKYDDLNELLNCFLELNSPFHHDVIVKAFMEIWDN  
GKNFNKEGGGGGSVD\*

>CaOFP24 PHT65371.1

MGKKMNLGSWQWPSCAHTKTLSFRANANNSNNIFKTINSIFLDPCSTDHHQHGVVETE  
TTPESWFTNSSSESASFSTESDETGEPLMELIIGVRSERLFFEPNCTSSLILDEQKVNQD  
QNQNQEPKKLEQEEEDVDVDDDDQELPFKESVALAMESEDPYLDFKKSMKEMVETNEIK  
DWESLQELLRWYLMNGKINHGFIIIGAFVDLLIEVSPPTCDSITCYSSAASSFSAPSSPLS  
LVGNKEIEEQEKGSSSS\*

>CaOFP25 PHT62009.1

MFGLFPESACCSTCPPEEALEMAKQALASRRLSFEENDSCSVLSMAGFPFKDCVVLAVD  
TENPKMDFMHSMEQMTKAYGGWEGEMDWGFMEELLTWFLKINDIKNQHFIVAAFVDLC  
LVPS\*

>CaOFP26 PHT60812.1

MTNSKIKKFNFDKEFSNFDYKGLFSSDEESEDEEFDNNTLFSSRSFSNSDSSEYSSLGX  
AALAVVKKSKDPYGDFRESMLEMIMENQIFGGKELENLLECFLKLNSKYHHGVIIDVFTEI  
CEALFSSLS\*