

Glyma06g19890.1
AT3G48090.1

MTQVMRGEVIEKAYAGSWKAHKSPDKPYLIEKINRNDP-QEVIFCFPGSGAVRWDWYSQKN
MAFEALTGINGDLITRSWSASK---QAYLTERYHKEEAGAVVIFAFQPSFSEKDFDPPDN
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Glyma06g19890.1
AT3G48090.1

--FGETKIDLGLFPSLRSIGIDEQALVNEAFQKKFQEILSAKPSLADEVEKAMSKKKQI
KSSFGEIKLNRVQFPCMRKIGKGDVATVNEAFLKNLEAIDPRTSFQASVEMAVRSRKQI
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Glyma06g19890.1
AT3G48090.1

VFAGHSSGGAVAILATLWALENYQPPKSHGGIIPPLCVTFGSPLVGNHIFSHATRENWSH
VFTGHSSGGATAILATVWYLEKYFIRNPVNYLEPRCVTFGAPLVGDSIFSHALGREKWSR
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Glyma06g19890.1
AT3G48090.1

YFFHYVMRYDIVPRILLAPLSSLDPKFEPISQSFNPKSKSFMDSVGRASAETTFEYFA
FFVNFVSRFDIVPRIMLARKASVEETLPHVLAQLDPR-----KSSVQESEQRITFEYTR
:.*:* *.*:***.*:** :*: : : :.:*: . * : * : :***

Glyma06g19890.1
AT3G48090.1

IISNAATVTSHAASKLMGTDTTLETWSNFITLSPYRPFGTYYFCTGNGKSGKKIVITNS
VMRDTSTVANQAVCELTGSAEAFLETLSSFLELSPYRPAFTFVFST---EKRLVAVNNS
: : :*:*:*:.*.* * :*: : **.*.*: ***** **: *.* : :.:**

Glyma06g19890.1
AT3G48090.1

NAVLQVLFFSAQLSTEAEEAQVPYRSRLRHTIYGTQLQMGQPNVHLDQHQLQNLPLSE
DAILQMLFYTSQASDEQEWSLIPFRSIRDHHSYEELVQSMGKKLFNHL-----
:.**:***:*. * * * :*:**:* ** * :.*.* : . ***

Glyma06g19890.1
AT3G48090.1

DGAGGSNATINTALNDLGLIPRARLCLRAAAEWEARRTDNEN---KIKEKKDFVAKKLDV
-----GENSIESTLNDLGVSTRGRQYVQAALEEEKKRVENQKKIQVIEQERFLKKLAWI
.: :*:*:***:.*.* :*: ** * * :.*.: : : :*: * :

Glyma06g19890.1
AT3G48090.1

LREYRKMYKDKRVGFYDGFREHKQGEDDFKANVTRLEAGVWDEMMEKVRSYELPDEFEG
EDEYKPKCQAHKNGYDSFKVSNE-ENDFKANVKRAELAGVFDEVLLGLMKKCLPDEFEG
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Glyma06g19890.1
AT3G48090.1

NKDYIDLGTLELRKLMPLDIANYRHRGRNYEDSSSSYMIKGRPKRYRPQRWLEHAERKS
DIDWIKLATRYRRLVEPLDIANYHRHLKNED--TGPYMKRGRPTRYIYAQRGYEHYILKP
: *.*.*. *:*****:** * : :. ** :***.*.* ** ** *

Glyma06g19890.1
AT3G48090.1

HESLSASCFWAEVEELHYKTSRSSNIVSLDQQFKER-----IEKLEIQIK
NGMIAEDVFWNKNVGNLNLGLQLEEIQETLKNSSGECGSCFWAEVEELKGKPYEEVEVRVK
: :. . ** *: * : . . . :.*. . * *:***:*

Glyma06g19890.1
AT3G48090.1

AWS-----DRKELDEDVFLEGSTLVKWWKALPQQHKQHSCIKTLIRE-----
TLEGLMGEWITDEGEVDDKEIFLEGSTFRKWWITLPKNHKSHPLRDYMMEIDTDT
: . * : *:*****: *** :*:**.* * : : :

239 aa in common
140

Sequence 1: Glyma06g19890.1 620 aa

Sequence 2: AT3G48090.1 623 aa