

Supplementary Table S1. Homologous protein alignment sequence

Name	Gene ID	Sequence
AtNST1 (ANAC043)	AT2G46770	MNLSVNGQSQVPPGFRFHPTEEEELLHYYLKKKVANQKI DLDVDIQDIDLNKLEPWDIQEKCKIGSTPQNDWYFFSHKD KKYPTGTRTNRATTAGFWKATGRDKAICGSSRRIGMRK TLVFYKGRAPHGEKSDWIMHEYRLDDNIHELNVSNLSG DRDLGGDEGWVVCrvFRKKNYVKALHNPTNNRNSTH MMIRSKKHELDQDGFMHLPQLDSPSTNGVHEPIQQMNQ DGSDSMFNYEDDHNQEAPNSTVNWVELDRLVAYQLNG QASEASESTTNHLSCFNNHHLNHDSITPFCLIPAGDYDR SNNNDRTTTATATTFQDLLRSQSSRVFDNDSIDDFWSF TKQSSSPSSLDPISHFSV
AtNST2	AT3G61910	MNISVNGQSQVPPGFRFHPTEEEELLKYYLRKKISNIKIDL DVIPDIDLNKLEPWDIQEMCKIGTTPQNDWYFYSHKDK KYPTGTRTNRATTVGFWKATGRDKTIYTNGDRIGMRKT LVFYKGRAPHGQKSDWIMHEYRLDESVLISSCGDHDVN VETCDVIGSDEGWVVCrvFKKNNLCKNMISSSPASSVK TPSFNEETIEQLLEVMGQCKGEIVLDPFLKLPNLECHNN TTITSYQWLIDDQVNNCHVSKVMDPSFITSWAALDRLV ASQLNGPNSYSIPAVNETSQSPYHGLNRSGCNTGLTPDY YIPEIDLWNEADFARTTCHLLNGSG
AtNST3	AT1G32770	MADNKVNLSINGQSKVPPGFRFHPTEEEELLHYYLRRKKV NSQKIDLDVIREVDLNKLEPWDIQEECRIGSTPQNDWYF FSHKDKKYPTGTRTNRATVAGFWKATGRDKIICSCVRRI GLRKTTLVFYKGRAPHGQKSDWIMHEYRLDDTPMSNGY ADVVTEDPMSYNEEGWVVCrvFRKKNYQKIDDCPKITL SSLPDDTEEEKGPTFHNTQNV TGLDHVLLYMDRTGSNIC MPESQTTTQHQQDDVLFMQLPSLET PKSESPVDQSFLT KLD FSPVQEKITERPVCSNWASLDRLVAWQLNNGHNP CHRKS FDEEEENGDTMMQRWDLHWNNDNDVDLWSSF TESSSSLDPLLHLSV
FtNAC16	FtPinG00003 81200.01	MNLSVNGQSQVPPGFRFHPTEEEELLHYYLKKKVANQKI DLDVDIQDIDLNKLEPWDIQEKCKIGSTPQNDWYFFSHKD KKYPTGTRTNRATTAGFWKATGRDKAICGSSRRIGMRK TLVFYKGRAPHGEKSDWIMHEYRLDDNIHELNVSNLSG DRDLGGDEGWVVCrvFRKKNYVKALHNPTNNRNSTH MMIRSKKHELDQDGFMHLPQLDSPSTNGVHEPIQQMNQ DGSDSMFNYEDDHNQEAPNSTVNWVELDRLVAYQLNG QASEASESTTNHLSCFNNHHLNHDSITPFCLIPAGDYDR SNNNDRTTTATATTFQDLLRSQSSRVFDNDSIDDFWSF TKQSSSPSSLDPISHFSV
GaNAC43	XP_0176296	MPENMSISVNGQSQVPPGFRFHPTEEEELLQYYLRKKVSY

---

	05.1	EKIDLDVIRDVDLNKLEPWDIQESCKIGTTPQNDWYFFS HKDKKYPTGTRTNRATAAGFWKATGRDKVIYSNCRRIG MRKTLVIFYKGRAPHGQKSDWIMHEYRLDDNIVETTVSN AMGEGTQEEGWVVCRIFKKKNNHHKTLDPNSSLGSES RNHMLSACNEGELEQILEHMRRNCNEEGVANNSWRLM RPIETAISNSYPDSFMKLPSLESPNSTSSQNCYQPMIVDNE GSITNQMSGDPNSRLTNWAALDRLVASQLNGQTETSRQ LACFNDHSISMGYSNPSADHHHHDLQSPALRYNRSYNG TQDYNSEMDLWSLTRSSSSSDPLCHVVNASV
SmNAC43	QBZ39066.1	SQVPPGFRFHPTEEEELLQYYLKKKVASEKIDLDVIQDVD LNKLEPWDIQEKCTIGSTPQNDWYFFSHKDKKYPTGTRT NRATASGFWKATGRDKVIYGNSRRIGMRKTLVIFYKGRA PRGQKSDWIMHEYRLDDNTTANITHTTNNHGSNAMGEG MQEEGWVVCRVFKKKNHSHKTLDTTPIISSSWMLSTIN SCKEGTLEQMLQSIGTPFRRNHFPDSDNNTRFLTLSNLH DSPNSSSRTQNCYQSLHVQ

---