

Supplemental Table S1: TOBEST sequences containing a putative signal peptide or containing a putative signal anchor, as established by the SignalP analysis of the cDNAs complete at the 5' end.

TOBEST sequences containing a putative signal peptide

TOBC002B01	unnamed protein product [<i>Vitis vinifera</i>]
TOBC003A08	unnamed protein product [<i>Vitis vinifera</i>]
TOBC004B03	unnamed protein product [<i>Vitis vinifera</i>]
TOBC006A07	lipid transfer protein [<i>Nicotiana tabacum</i>]
TOBC006E06	thionin like protein [<i>Nicotiana tabacum</i>]
TOBC008H09	PiHTL-B [<i>Petunia inflata</i>]
TOBC009A04	translocon-associated protein beta family protein-like [<i>Solanum tuberosum</i>]
TOBC009G01	constitutive plastid-lipid associated protein [<i>Solanum lycopersicum</i>]
TOBC010A03	unnamed protein product [<i>Vitis vinifera</i>]
TOBC013C09	proline-rich protein [<i>Capsicum annuum</i>]
TOBC014C07	unnamed protein product [<i>Vitis vinifera</i>]
TOBC014G03	thionin like protein [<i>Nicotiana tabacum</i>]
TOBC015G11	pectinesterase [<i>Prunus persica</i>]
TOBC016A09	trypsin proteinase inhibitor precursor [<i>Nicotiana attenuata</i>]
TOBC017A06	trypsin proteinase inhibitor precursor [<i>Nicotiana rustica</i>]
TOBC017D11	hypothetical protein [<i>Vitis vinifera</i>]
TOBC017E11	unknown [<i>Solanum tuberosum</i>]
TOBC017F03	biotic cell death-associated protein [<i>Nicotiana glutinosa</i>]
TOBC017F08	c subunit of V-type ATPase [<i>Nicotiana tabacum</i>]
TOBC017H10	putative S-RNase binding protein p11 precursor [<i>Nicotiana alata</i>]
TOBC018D07	TA20 [<i>Nicotiana tabacum</i>]
TOBC019H05	c subunit of V-type ATPase [<i>Nicotiana tabacum</i>]
TOBC020B01	pectinacylesterase precursor [<i>Vigna radiata</i> var. <i>radiata</i>]
TOBC021C11	constitutive plastid-lipid associated protein [<i>Solanum lycopersicum</i>]
TOBC021D05	lipid transfer protein [<i>Nicotiana tabacum</i>]
TOBC023D01	putative lipid transfer protein [<i>Solanum tuberosum</i>]
TOBC023G08	putative lesion-inducing protein [<i>Capsicum annuum</i>]
TOBC026A06	non-specific lipid transfer protein [<i>Nicotiana tabacum</i>]
TOBC026A08	PSI-H precursor [<i>Nicotiana sylvestris</i>]
TOBC031C03	NtEIG-E80 [<i>Nicotiana tabacum</i>]
TOBC032E07	unnamed protein product [<i>Vitis vinifera</i>]
TOBC033E12	elicitor-inducible protein EIG-J7 [<i>Capsicum annuum</i>]
TOBC034D02	putative proteinase inhibitor [<i>Nicotiana glutinosa</i>]
TOBC034H11	60s acidic ribosomal protein-like protein [<i>Solanum tuberosum</i>]
TOBC035A07	unknown
TOBC035B05	putative wound-induced protein [<i>Arabidopsis thaliana</i>]
TOBC035B10	glucan endo-1,3-beta-glucosidase [<i>Nicotiana tabacum</i>]
TOBC035H12	glucan endo-1,3-beta-glucosidase [<i>Nicotiana tabacum</i>]
TOBC039H06	unnamed protein product [<i>Vitis vinifera</i>]
TOBC040G09	unnamed protein product [<i>Vitis vinifera</i>]
TOBC042A10	gip1 [<i>Petunia x hybrida</i>]
TOBC042D04	flower-specific thionin [<i>Nicotiana tabacum</i>]
TOBC052B07	photosystem I light-harvesting chlorophyll a/b-binding protein [<i>Nicotiana tabacum</i>]

TOBC052D02 calreticulin [*Nicotiana plumbaginifolia*]
TOBC053E11 unnamed protein product [*Vitis vinifera*]
TOBC054G04 trypsin proteinase inhibitor precursor [*Nicotiana tabacum*]
TOBC057B05 cysteine-rich extensin-like protein
TOBC057D03 unnamed protein product [*Vitis vinifera*]
TOBC058A11 proline-rich protein [*Capsicum annuum*]
TOBC058E04 proteinase inhibitor I precursor-like [*Solanum tuberosum*]
TOBC058E08 unnamed protein product [*Vitis vinifera*]
TOBC061F07 unnamed protein product [*Vitis vinifera*]
TOBC062A05 beta-expansin-like protein [*Nicotiana tabacum*]
TOBC067A06 S-adenosyl-methionine-sterol-C- methyltransferase [*Nicotiana tabacum*]
TOBC069G06 unnamed protein product [*Vitis vinifera*]
TOBC070E04 similar to ATP synthase subunit H protein [*Solanum lycopersicum*]
TOBC071A02 HT-protein [*Nicotiana alata*]
TOBC074H11 PSI-D2 [*Nicotiana sylvestris*]
TOBC076C04 unnamed protein product [*Vitis vinifera*]
TOBC076H08 cysteine-rich protein [*Nicotiana tabacum*]
TOBC079H03 STIG1 [*Nicotiana tabacum*]
TOBC080A12 unnamed protein product [*Vitis vinifera*]
TOBC080B09 mitochondrial small heat shock protein [*Solanum lycopersicum*]
TOBC080F08 flower-specific thionin [*Nicotiana tabacum*]
TOBC080G12 unnamed protein product [*Vitis vinifera*]
TOBC081C09 cysteine-rich protein [*Nicotiana tabacum*]
TOBC081E10 putative lipid transfer protein [*Solanum tuberosum*]
TOBC086B02 unnamed protein product [*Vitis vinifera*]
TOBC086E11 hypothetical protein [*Phaseolus vulgaris*]
TOBC087D06 unnamed protein product [*Vitis vinifera*]
TOBC088G08 LAT52 [*Solanum lycopersicum*]
TOBC091A11 peptidylprolyl isomerase [*Triticum aestivum*]
TOBC091B10 PSI-D2 [*Nicotiana sylvestris*]
TOBC091D12 putative protein [*Arabidopsis thaliana*]
TOBC092E03 ribosomal Pr 117 [*Triticum aestivum*]
TOBC092E04 At2g42840 [*Arabidopsis thaliana*]
TOBC092H07 vacuolar membrane ATPase subunit c" [*Citrus limon*]
TOBC093C09 unnamed protein product [*Vitis vinifera*]
TOBC093H12 unnamed protein product [*Vitis vinifera*]
TOBC094G11 proteinase inhibitor II [*Nicotiana tabacum*]
TOBC095D06 unnamed protein product [*Vitis vinifera*]
TOBC096B07 Signal peptidase 22 kDa subunit [*Medicago truncatula*]
TOBC096H10 unnamed protein product [*Capsicum annuum*]
TOBC097E01 cytochrome c oxidase family protein-like [*Solanum tuberosum*]
TOBC099G06 Hypothetical Protein [*Arabidopsis thaliana*]
TOBC100B11 LRR protein [*Solanum lycopersicum*]
TOBC103B01 HT-protein [*Nicotiana alata*]
TOBC103C01 ribosomal Pr 117 [*Triticum aestivum*]
TOBC103G01 cysteine-rich extensin-like protein-1
TOBC103H04 gamma-thionin [*Nicotiana paniculata*]
TOBC107D02 ribosomal Pr 117 [*Triticum aestivum*]
TOBC110B05 unnamed protein product [*Vitis vinifera*]
TOBC110G03 unnamed protein product [*Vitis vinifera*]

TOBC112F03 unnamed protein product [*Vitis vinifera*]
TOBC120B10 unnamed protein product [*Vitis vinifera*]
TOBC123E10 lipid transfer protein [*Sesamum indicum*]
TOBC123G03 unnamed protein product [*Vitis vinifera*]
TOBC123H07 unnamed protein product [*Capsicum annuum*]
TOBC124B08 putative anti-PCD protein [*Lycopersicon esculentum*]
TOBC125C07 unknown [*Capsicum annuum*]
TOBC130E11 thionin like protein [*Nicotiana tabacum*]
TOBC130G07 unnamed protein product [*Vitis vinifera*]
TOBC131D06 unnamed protein product [*Vitis vinifera*]
TOBC132E06 CAPIP2 [*Capsicum annuum*]
TOBC134E04 thaumatin-like protein SE39b [*Nicotiana tabacum*]
TOBS001B12 S-adenosyl-methionine-sterol-C- methyltransferase [*Nicotiana tabacum*]
TOBS002F10 cysteine-rich extensin-like protein-1
TOBS002H09 unnamed protein product [*Vitis vinifera*]
TOBS004H09 unnamed protein product [*Vitis vinifera*]
TOBS004H10 ORF; able to induce HR-like lesions [*Nicotiana tabacum*]
TOBS005F05 peroxidase
TOBS007A07 unnamed protein product [*Vitis vinifera*]
TOBS015D07 SIEP1L protein [*Beta vulgaris* subsp. *vulgaris*]
TOBS018H10 unknown protein [*Arabidopsis thaliana*]
TOBS019D11 unnamed protein product [*Vitis vinifera*]
TOBS019H11 P-rich protein EIG-I30 [*Nicotiana tabacum*]
TOBS020C08 unnamed protein product [*Vitis vinifera*]
TOBS021H08 cysteine-rich protein [*Nicotiana tabacum*]
TOBS022C10 proline-rich protein [*Solanum tuberosum*]
TOBS023B03 hypothetical protein MtrDRAFT_AC136139g5v2 [*Medicago truncatula*]
TOBS023H06 ORF; able to induce HR-like lesions [*Nicotiana tabacum*]
TOBS026A09 stress regulated protein [*Lycopersicon esculentum*]
TOBS031G11 ORF; able to induce HR-like lesions [*Nicotiana tabacum*]
TOBS032C05 ntp201 [*Nicotiana tabacum*]
TOBS032E11 proteinase inhibitor isoform [*Solanum phureja*]
TOBS035H09 gip1 [*Petunia x hybrida*]
TOBS036D04 trypsin proteinase inhibitor precursor [*Nicotiana rustica*]
TOBS039C03 unnamed protein product [*Vitis vinifera*]
TOBS039F01 aspartate aminotransferase-like [*Solanum tuberosum*]
TOBS042A04 external rotenone-insensitive NADPH dehydrogenase [*Solanum tuberosum*]
TOBS042C11 unnamed protein product [*Vitis vinifera*]
TOBS043D05 cysteine-rich extensin-like protein-1
TOBS046E12 putative DnaJ protein [*Arabidopsis thaliana*]
TOBS046G06 germin-like protein [*Nicotiana attenuata*]
TOBS048B04 unnamed protein product [*Vitis vinifera*]
TOBS048C07 unnamed protein product [*Vitis vinifera*]
TOBS050A11 P18 protein [*Nicotiana alata*]
TOBS050D06 alpha-expansin precursor [*Nicotiana tabacum*]
TOBS051D06 hypothetical protein [*Vitis vinifera*]
TOBS054D08 unnamed protein product [*Vitis vinifera*]
TOBS055B09 AC009176_2 unknown protein [*Arabidopsis thaliana*]
TOBS056E03 unnamed protein product [*Vitis vinifera*]
TOBS059B06 unnamed protein product [*Vitis vinifera*]

TOBS059E07 unnamed protein product [*Vitis vinifera*]
TOBS061B09 unnamed protein product [*Vitis vinifera*]
TOBS061G08 inorganic pyrophosphatase [*Nicotiana rustica*]
TOBS063G12 unnamed protein product [*Vitis vinifera*]
TOBS064C10 lipid transfer protein [*Nicotiana tabacum*]
TOBS065B04 lipid transfer protein 1 precursor [*Nicotiana tabacum*]
TOBS068H04 obtusifoliol-14-demethylase [*Nicotiana tabacum*]
TOBS069C11 unnamed protein product [*Vitis vinifera*]
TOBS070C10 unnamed protein product [*Vitis vinifera*]
TOBS070G10 hypothetical protein [*Nicotiana tabacum*]
TOBS073D11 unnamed protein product [*Vitis vinifera*]
TOBS074F07 acidic beta-1,3-glucanase
TOBS075A12 putative 16kDa membrane protein [*Nicotiana tabacum*]
TOBS075E02 AT5g14320/F18O22_110 [*Arabidopsis thaliana*]
TOBS078E09 hypothetical protein [*Vitis vinifera*]
TOBS081C08 ribosomal protein L27
TOBS084D02 mitochondrial prohibitin 1 [*Petunia x hybrida*]
TOBS089A04 At2g35795 [*Arabidopsis thaliana*]
TOBS090C06 1211235G ATPase III
TOBS091G04 putative anti-PCD protein [*Lycopersicon esculentum*]
TOBS091H10 cysteine-rich extensin-like protein-3
TOBS092H03 trypsin proteinase inhibitor precursor [*Nicotiana glauca*]
TOBS093D11 TPA: TPA_exp: putative phytosulfokine peptide precursor [*Solanum tuberosum*]
TOBS094A05 LRR protein [*Solanum lycopersicum*]
TOBS096G04 hypothetical protein [*Vitis vinifera*]
TOBS100A08 plasma membrane associated protein-like [*Arabidopsis thaliana*]
TOBS100B01 Os07g0192300 [*Oryza sativa*]
TOBS100B10 unnamed protein product [*Vitis vinifera*]
TOBS102B09 unnamed protein product [*Vitis vinifera*]
TOBS104E07 putative anti-PCD protein [*Lycopersicon esculentum*]
TOBS106D09 hypothetical protein [*Arabidopsis thaliana*]
TOBS109E02 hypothetical protein [*Phaseolus vulgaris*]
TOBS109F03 hypothetical protein [*Vitis vinifera*]
TOBS109G09 Rieske FeS [*Nicotiana tabacum*]
TOBS111H12 non-cell-autonomous protein pathway1; plasmodesmal receptor [*Nicotiana tabacum*]
TOBS117E08 putative reductase [*Nicotiana tabacum*]
TOBS119C02 c subunit of V-type ATPase [*Nicotiana tabacum*]
TOBS119D06 RALF precursor [*Nicotiana tabacum*]
TOBS120G10 endo-1,3-beta-glucanase-like protein [*Pyrus pyrifolia*]
TOBS120H06 RALF precursor [*Nicotiana tabacum*]
TOBS120H08 unnamed protein product [*Vitis vinifera*]
TOBS121C07 unnamed protein product [*Vitis vinifera*]
TOBS121G05 photosystem I light-harvesting chlorophyll a/b-binding protein [*Nicotiana tabacum*]
TOBS122F10 unnamed protein product [*Vitis vinifera*]
TOBS125G11 Signal peptidase 22 kDa subunit [*Medicago truncatula*]
TOBS129B04 cysteine-rich extensin-like protein
TOBS129B08 unnamed protein product [*Vitis vinifera*]

TOBS129E11 putative purple acid phosphatase precursor [*Ipomoea batatas*]
 TOBS129G04 unnamed protein product [*Vitis vinifera*]
 TOBS131B02 germin-like protein [*Nicotiana attenuata*]
 TOBS132C06 unnamed protein product [*Vitis vinifera*]
 TOBS134G05 elicitor-inducible protein EIG-J7 [*Capsicum annuum*]

TOBEST sequences containing a putative signal anchor

TOBC005A10 hypothetical protein MtrDRAFT_AC150776g30v2 [*Medicago truncatula*]
 TOBC006D10 unnamed protein product [*Vitis vinifera*]
 TOBC014G02 unnamed protein product [*Vitis vinifera*]
 TOBC016F07 hypothetical protein [*Vitis vinifera*]
 TOBC038E08 unnamed protein product [*Vitis vinifera*]
 TOBC039B04 homolog of defender against apoptotic death 1 homolog [*Nicotiana suaveolens* x *Nicotiana tabacum*]
 TOBC040B11 B12D protein [*Ipomoea batatas*]
 TOBC040D01 unknown [*Solanum tuberosum*]
 TOBC042A06 unnamed protein product [*Vitis vinifera*]
 TOBC047B06 unknown protein [*Arabidopsis thaliana*]
 TOBC055D02 Microsomal signal peptidase 12 kDa subunit family protein [*Oryza sativa*]
 TOBC055E06 unnamed protein product [*Vitis vinifera*]
 TOBC059E06 unnamed protein product [*Vitis vinifera*]
 TOBC071D04 low temperature and salt responsive protein [*Solanum tuberosum*]
 TOBC073A09 unnamed protein product [*Vitis vinifera*]
 TOBC074D02 homolog of defender against apoptotic death 1 homolog [*Nicotiana suaveolens* x *Nicotiana tabacum*]
 TOBC079E11 unnamed protein product [*Vitis vinifera*]
 TOBC084D08 B12D protein [*Ipomoea batatas*]
 TOBC088H01 unnamed protein product [*Vitis vinifera*]
 TOBC091G07 unknown protein [*Arabidopsis thaliana*]
 TOBC092G02 protein transport protein SEC61 gamma subunit-like [*Arabidopsis thaliana*]
 TOBC095G12 unnamed protein product [*Vitis vinifera*]
 TOBC097A12 Os05g0103800 [*Oryza sativa*]
 TOBC109B10 protein transport protein SEC61 gamma subunit-like [*Arabidopsis thaliana*]
 TOBC109F07 protein transport protein SEC61 gamma subunit-like [*Arabidopsis thaliana*]
 TOBC110H01 unnamed protein product [*Vitis vinifera*]
 TOBC113H11 unnamed protein product [*Vitis vinifera*]
 TOBC118A10 unnamed protein product [*Vitis vinifera*]
 TOBC120D05 unknown [*Solanum tuberosum*]
 TOBC124B09 putative transport protein SEC61 beta-subunit [*Arabidopsis thaliana*]
 TOBC130D05 Microsomal signal peptidase 12 kDa subunit family protein [*Oryza sativa*]
 TOBC130G03 AT5g49540/K6M13_9 [*Arabidopsis thaliana*]
 TOBC131B05 AF273333_9 BAC19.9 [*Lycopersicon esculentum*]
 TOBC132C12 hypothetical protein [*Capsicum chinense*]
 TOBS002C02 At3g15395 [*Arabidopsis thaliana*]
 TOBS004C06 hypothetical protein OsJ_020880 [*Oryza sativa*]
 TOBS005F09 hypothetical protein OsI_012174 [*Oryza sativa*]
 TOBS007H08 unnamed protein product [*Vitis vinifera*]
 TOBS010B05 squalene monooxygenase [*Datura innoxia*]

TOBS011B05 putative transport protein SEC61 beta-subunit [*Arabidopsis thaliana*]
TOBS014A07 low temperature and salt responsive protein [*Solanum tuberosum*]
TOBS018H11 At2g31490 [*Arabidopsis thaliana*]
TOBS020G04 unnamed protein product [*Vitis vinifera*]
TOBS027B08 hypothetical protein [*Arabidopsis thaliana*]
TOBS031E10 unnamed protein product [*Vitis vinifera*]
TOBS032B09 hypothetical protein [*Vitis vinifera*]
TOBS036G05 unnamed protein product [*Vitis vinifera*]
TOBS039A11 unnamed protein product [*Vitis vinifera*]
TOBS039H03 unnamed protein product [*Vitis vinifera*]
TOBS041E06 unnamed protein product [*Vitis vinifera*]
TOBS051H10 root-specific metal transporter [*Lycopersicon esculentum*]
TOBS055A01 protein transport protein SEC61 gamma subunit-like [*Arabidopsis thaliana*]
TOBS055A02 unnamed protein product [*Vitis vinifera*]
TOBS055B01 UDP-D-glucuronate 4-epimerase [*Arabidopsis thaliana*]
TOBS060E05 unnamed protein product [*Vitis vinifera*]
TOBS065E09 putative UDP-glucuronate decarboxylase 3 [*Nicotiana tabacum*]
TOBS069A05 low temperature and salt responsive protein [*Solanum tuberosum*]
TOBS070A03 hypothetical protein OsI_012174 [*Oryza sativa*]
TOBS070A05 unnamed protein product [*Vitis vinifera*]
TOBS073B01 homogentisate phytyltransferase VTE2-1 [*Glycine max*]
TOBS075B11 unnamed protein product [*Vitis vinifera*]
TOBS089A12 unnamed protein product [*Vitis vinifera*]
TOBS096C08 unnamed protein product [*Vitis vinifera*]
TOBS098A07 unnamed protein product [*Vitis vinifera*]
TOBS098G04 unnamed protein product [*Vitis vinifera*]
TOBS107E02 unnamed protein product [*Vitis vinifera*]
TOBS108A05 hypothetical protein [*Vitis vinifera*]
TOBS108C02 tobamovirus multiplication 1 [*Nicotiana tabacum*]
TOBS109B03 hypothetical protein OsJ_009763 [*Oryza sativa*]
TOBS114C11 pectin methylesterase 1 [*Pyrus communis*]
TOBS117F05 ER lumen retaining receptor family-like protein [*Solanum tuberosum*]
TOBS120G05 hypothetical protein MtrDRAFT_AC150776g30v2 [*Medicago truncatula*]
TOBS124G05 protein transport protein SEC61 gamma subunit-like [*Arabidopsis thaliana*]
TOBS129G09 Bax inhibitor 1 [*Nicotiana tabacum*]