



Table S1: Tomato homologs of selected tobamoviral S-genes from literature. Genes in bold are discussed in the text.

Gene	Reference	Plant species identified	Gene ID	Candidate tomato homolog
ACS6	[128]	<i>Arabidopsis</i>	AT4G11280	Solyc08g081535 Solyc01g095080
ANK	[86]	<i>Nicotiana tabacum</i> cv. Turk	GU320195.1	Solyc01g104170 Solyc10g024330
ARL8a/b/c	[53]	<i>Arabidopsis</i>	AT3G49870 AT5G67560 AT5G37680	Solyc02g064640 Solyc02g092330 Solyc03g043960 Solyc11g011040
BAM1/2	[89]	<i>Arabidopsis</i>	AT5G65700	Solyc02g091840
CCT8	[129]	<i>Arabidopsis</i>	AT3G03960	Solyc01g088080
cPGK	[130] [131,132]	<i>Nicotiana</i> spp., <i>Solanum</i> spp, monocots	AT1G56190	Solyc07g066610 Solyc07g066600
CPR5	[133]	<i>O. glaberrima</i> , <i>Arabidopsis</i>	AT5G64930	Solyc04g054170
DBP1	[134]	<i>Arabidopsis</i> , <i>N. tabacum</i> , <i>Z. mays</i> , <i>O. sativa</i>	AT2G25620	Solyc06g065610
eEF1B	[135]	<i>Arabidopsis</i>	AT5G12110	Solyc11g072190 Solyc07g016150
ERF104	[128]	<i>Arabidopsis</i>	OAO93097.1	Solyc03g093550
EXA1, SNC1- ENHANCING 11	[136] [137]	<i>Arabidopsis</i> , <i>O. sativa</i> , <i>S. lycopersicum</i>	AT5G42950	Solyc04g080240
GCD10	[138]	yeast, <i>Arabidopsis</i>	AT2G45730	Solyc04g081360
GDI2	[139]	<i>Arabidopsis</i>	AT3G59920	Solyc12g017570 Solyc08g015860 Solyc01g105810
GMP1	[140]	<i>Arabidopsis</i> , <i>N. benthamiana</i>	AT2G39770	Solyc03g096730 Solyc06g051270 Solyc09g011220
HAT1; HAT2; HAT3, TF HSP101	[141] [142,143]	<i>Arabidopsis</i> <i>Arabidopsis</i>	AT4G17460 AT5G47370 AT3G60390 AT1G74310	Solyc06g060830 Solyc08g007270 Solyc08g078300 Solyc03g115230 Solyc06g082560

HSP70	[144]	<i>Arabidopsis</i>	AT5G02500	Solyc09g010630 Solyc11g066060 Solyc06g076020
IP-L	[90]	<i>N. benthamiana</i>		Solyc05g013630
IRE1a, IRE1b	[145]	<i>Arabidopsis</i>	AT2G17520 AT5G24360	Solyc02g082470 Solyc04g082620
KELP	[146]	<i>Arabidopsis</i>	AT4G10920	Solyc08g082580
LET12	[97]	<i>N. tabacum</i>	LOC107784320	Solyc07g007120 Solyc08g041820 Solyc12g010410
NtNACCP1, aldose 1- epimerase-like	[147]	<i>N. tabacum</i> , <i>Arabidopsis</i>	AF307094 AT5G14630	Solyc02g087780 Solyc02g087800 Solyc02g087790 Solyc02g087770
P58 ^{IPK}	[148]	<i>Arabidopsis</i>	AT5G03160	Solyc09g007630
PAP85 / vilicin	[64]	<i>Arabidopsis</i>	AT3G22640	Solyc09g082340 Solyc09g082330 Solyc09g065470
PCaP1	[149]	<i>Arabidopsis</i>	AT4G20260	Solyc10g005100
PDIL5-1	[150]	Barley, all plant species	AMX74274.1 AT1G07690	Solyc11g069690
PDLP1, PDLP1A	[151]	<i>Arabidopsis</i>	AT5G43980	Solyc06g083750 Solyc03g005690 Solyc09g090680
PME	[99]	<i>N. tabacum</i> , <i>Arabidopsis</i>	AT1G53840	Solyc03g123630
PVIP1; PVIP2	[152] [153]	<i>P. vulgaris</i> , <i>Ara- bidopsis</i> , <i>P. sativum</i> , <i>N. benthamiana</i>	ACQ59191.1	Solyc07g047780 Solyc05g054180
RHD3	[154]	<i>Arabidopsis</i>	AT3G13870	Solyc03g121590 Solyc02g030450
RIM1	[155]	<i>O. sativa</i> , <i>Arabidopsis</i>	Os03G02800 AT1G65910	Solyc02g036430 Solyc02g081270
SCE1	[156]	<i>Arabidopsis</i>	AT3G57870	Solyc03g044260 Solyc02g093110 Solyc12g088680 Solyc04g078620
SYP22/SYP23	[67]	<i>Arabidopsis</i>	AT5G46860	Solyc11g066910 Solyc06g062360 Solyc08g076540 Solyc08g005200

SYTA	[103,104]	<i>Arabidopsis</i>	AT2G20990	Solyc01g111520 Solyc12g089330
TOM1/3	[73-76, 108]	<i>Arabidopsis</i> , <i>Nico-</i> <i>tiana</i> spp., <i>S. lycopersicum</i> , <i>C. annuum</i> , <i>O. sativa</i>	AT4G21790 AT2G02180	Solyc01g105270 Solyc02g080370 Solyc04g008540 Solyc01g007900
TOM2a	[79, 157]	<i>Arabidopsis</i>	AT1G32400	Solyc08g077220
TOR1	[158]	<i>Arabidopsis</i>	AT4G27060	Solyc10g006350
bZIP60	[159,160]	<i>Arabidopsis</i>	AT1G42990	Solyc04g082890