

Genes induced at least 3-fold in one or more stresses and their dependency on *sty1* and/or *atf1* for up-regulation:

+ /induced 3-fold or greater

A /Atf1p-dependent

S /Sty1p-dependent

GENE	Cd	H ₂ O ₂	Heat	MMS	Sorbitol
isp7	+A	-	-	-	-
SPAC1F12.10C	+	-	-	-	-
SPAC1039.10	+S	-	-	-	-
SPAC29B12.10C	+	-	-	-	-
SPBC106.17C	+	-	-	-	-
SPAC13G7.02C	+	-	-	-	-
SPAC19B12.10	+	-	-	-	-
SPBC3H7.02	+	-	-	-	-
pof1	+	-	-	-	-
dak1	+SA	-	-	-	-
dak2	+SA	-	-	-	-
SPBPB10D8.01	+A	-	-	-	-
SPBC16D10.06	+	-	-	-	-
SPBP4H10.12	+A	-	-	-	-
SPAC1002.17C	+A	-	-	-	-
SPAC23A1.14C	+	-	-	-	-
SPBP16F5.08C	+	-	-	-	-
SPBPB2B2.05	+	-	-	-	-
SPBPB2B2.08	+	-	-	-	-
SPAC5H10.07	+	-	-	-	-
SPAC869.05C	+	-	-	-	-
SPAC977.05C	+	-	-	-	-
frp1	+S	-	-	-	-
SPAC5H10.06C	+	-	-	-	-
SPCC1739.06C	+	-	-	-	-
SPAC1348.06C	+	-	-	-	-
SPAC4G8.03C	+S	-	-	-	-
SPAC1002.18	+A	-	-	-	-
SPCC622.12C	+A	-	-	-	-
SPAC1002.19	+A	-	-	-	-
SPCC1442.16C	+	-	-	-	-
SPBC2F12.05C	+SA	-	-	-	-
SPAC1399.04C	+A	-	-	-	-
SPBC36.02C	+SA	-	-	-	-
SPAC1B3.06C	-	+	-	-	-
wtf1	-	+	-	-	-
SPAC23G3.02C	-	+SA	-	-	-
I16_prr1	-	+SA	-	-	-
SPAC3G9.11C	-	+SA	-	-	-
SPCC1450.09C	-	+	-	-	-

SPBC16A3.17C	-	+S	-	-	-
SPCC1840.12	-	+SA	-	-	-
ppa2	-	+	-	-	-
SPAC688.03C	-	+SA	-	-	-
SPAC15A10.01	-	+	-	-	-
SPAC1F7.12	-	+SA	-	-	-
SPAC1B3.15C	-	+SA	-	-	-
SPAC19B12.08	-	+S	-	-	-
meu8	-	+A	-	-	-
SPCC1020.03	-	+S	-	-	-
SPAC1006.01	-	+S	-	-	-
SPBC14F5.13C	-	+SA	-	-	-
SPAC977.17	-	+SA	-	-	-
SPAC3G6.05	-	+	-	-	-
misc RNA 2.2.20.RC	-	+SA	-	-	-
sod1	-	+	-	-	-
uvde/uve1	-	+SA	-	-	-
SPBC17D11.03C	-	+	-	-	-
SPCC830.08c	-	+	-	-	-
SPAC186.04c	-	+A	-	-	-
SPAC3A11.10C	-	+S	-	-	-
SPAC14C4.07	-	+SA	-	-	-
SPBC216.03	-	+SA	-	-	-
SPCC663.07C	-	+SA	-	-	-
SPCC63.08C	-	+SA	-	-	-
SPAC18B11.02C	-	+	-	-	-
SPCC794.03	-	+A	-	-	-
SPAC1687.07	-	+S	-	-	-
SPAC1687.08	-	+S	-	-	-
tlg1b	-	+	-	-	-
suc22	-	+SA	-	-	-
SPCC736.13	-	+SA	-	-	-
SPBC29A3.03C	-	+SA	-	-	-
SPAC22G7.08	-	+SA	-	-	-
SPAC869.02C	-	+	-	-	-
SPAC12G12.16C	-	+SA	-	-	-
SPAC4F10.16C	-	+SA	-	-	-
SPAC2E12.03C	-	+SA	-	-	-
SPAPB2B4.04C	-	+SA	-	-	-
SPBC365.20C	-	+SA	-	-	-
SPBC27B12.03C	-	+	-	-	-
SPAC10F6.13C	-	+S	-	-	-
SPBC1652.01	-	+S	-	-	-
SPAC24C9.08	-	+SA	-	-	-
SPAC1F3.09	-	+SA	-	-	-
SPCC1450.01C	-	+SA	-	-	-
SPAC630.07C	-	+S	-	-	-
cmb1	-	+	-	-	-

SPBC609.03	-	+SA	-	-	-
SPBC1198.01	-	+SA	-	-	-
SPBC409.12C	-	+SA	-	-	-
SPCC24B10.20	-	+SA	-	-	-
SPAC222.08C	-	+	-	-	-
SPAC2F7.06C	-	+	-	-	-
SPAC12G12.12	-	+	-	-	-
sec7b	-	+SA	-	-	-
kin1	-	+S	-	-	-
SPAC11D3.05	-	+SA	-	-	-
SPAC11D3.09	-	+S	-	-	-
SPBC1271.05C	-	+SA	-	-	-
SPBC8E4.05C	-	+SA	-	-	-
SPAC1F8.02C	-	+	-	-	-
SPAC13D6.01	-	+S	-	-	-
SPAC1399.01C	-	+S	-	-	-
SPAC2E1P3.04	-	+SA	-	-	-
SPAC11D3.17	-	+S	-	-	-
SPCC1281.07C	-	+SA	-	-	-
SPAC186.03	-	+SA	-	-	-
SPBC947.05C	-	+S	-	-	-
ypt4	-	+S	-	-	-
bfr1/hba2	-	+SA	-	-	-
SPAC23G3.03	-	+SA	-	-	-
pyp3	-	+S	-	-	-
b13958-1	-	+	-	-	-
SPACUNK4.10	-	+SA	-	-	-
SPCC1620.03	-	+S	-	-	-
SPAC824.07	-	+SA	-	-	-
rec6	-	+SA	-	-	-
SPBC83.05	-	+S	-	-	-
SPAC3C7.02C	-	+SA	-	-	-
SPCC1450.13C	-	+SA	-	-	-
wtf1	-	+SA	-	-	-
SPAC24B11.05	-	+S	-	-	-
SPCC285.10C	-	+S	-	-	-
SPAC6G10.03C	-	+S	-	-	-
SPAPB8E5.04C	-	+S	-	-	-
SPBC1773.17C	-	+SA	-	-	-
SPBC1289.16C	-	+	-	-	-
SPBC359.02	-	+	-	-	-
SPBC359.05	-	+SA	-	-	-
SPAC13F5.07C	-	+	-	-	-
SPAC17H9.18C	-	+SA	-	-	-
SPCC576.02	-	+SA	-	-	-
SPCC1450.07C	-	+SA	-	-	-
SPBC216.04C	-	+SA	-	-	-
SPCC757.04	-	+SA	-	-	-

SPAC29B12.13	-	+A	-	-	-
gna1/spgna1	-	+S	-	-	-
mhk1/pmkl	-	+SA	-	-	-
SPAC343.09	-	-	+	-	-
SPBC17D11.08	-	-	+S	-	-
SPBC725.06C	-	-	+SA	-	-
SPBC660.16	-	-	+SA	-	-
SPBC1778.02	-	-	+	-	-
SPBC2A9.04C	-	-	+	-	-
SPAC16E8.16	-	-	+	-	-
SPAC6F6.02C	-	-	+SA	-	-
SPAC664.15	-	-	+	-	-
SPBC19C7.04C	-	-	+	-	-
misc RNA 1.1.28	-	-	+	-	-
SPAC57A10.09C	-	-	+SA	-	-
SPAC3F10.13	-	-	+	-	-
csh3	-	-	+	-	-
SPBC19C7.02	-	-	+	-	-
P22190	-	-	+	-	-
P22191	-	-	+	-	-
P21536	-	-	+	-	-
cmkl	-	-	+	-	-
pss1/ssp1	-	-	+	-	-
SPAC26F1.01	-	-	+	-	-
SPAC17A5.10	-	-	+	-	-
SPCC330.03C	-	-	+	-	-
mei3	-	-	+	-	-
ght3	-	-	+S	-	-
hsp60/mcp60	-	-	+	-	-
SPAC1348.13	-	-	+	-	-
fus1	-	-	+	-	-
ubc6	-	-	+	-	-
mag1	-	-	+A	-	-
ubc8	-	-	+	-	-
SPAC9E9.09C	-	-	+	-	-
hsp70	-	-	+	-	-
SPACUNK4.19	-	-	+S	-	-
tbp1/tdfl	-	-	+	-	-
SPAC1952.17C	-	-	+	-	-
tgl1	-	-	+	-	-
SPCC338.06C	-	-	+	-	-
trx2	-	-	+A	-	-
sti1	-	-	+	-	-
P07657	-	-	+	-	-
SPBC1711.08	-	-	+	-	-
SPCC1235.03	-	-	+	-	-
SPAC3H8.04	-	-	+	-	-
wis2	-	-	+	-	-

SPAC13F5.05	-	-	+	-	-
SPAC22A12.14C	-	-	+A	-	-
SPCC364.02C	-	-	+	-	-
SPCC584.16C	-	-	+	-	-
SPCC4G3.13C	-	-	+	-	-
SPBC713.11C	-	-	+SA	-	-
SPAC2E1P3.02C	-	-	+	-	-
SPAC3H8.09C	-	-	+A	-	-
apg9	-	-	+	-	-
SPAC869.07C	-	-	+SA	-	-
wos2	-	-	+	-	-
SPCC1322.04	-	-	+SA	-	-
SPAC2C4.04C	-	-	+	-	-
SPAC1565.08	-	-	+	-	-
SPAC11H11.01	-	-	+	-	-
b13958-3	-	-	+	-	-
rhp16/rad16	-	-	+	-	-
sod2/C1486.01	-	-	+SA	-	-
SPBC4F6.16C	-	-	+S	-	-
SPAC1687.14C	-	-	+	-	-
SPCC757.02C	-	-	+A	-	-
SPBC887.19	-	-	+	-	-
pmp20	-	-	+SA	-	-
SPAC637.13C	-	-	+SA	-	-
swo1/hsp90	-	-	+	-	-
SPCC622.15C	-	-	+	-	-
SPBC359.06	-	-	+	-	-
SPBC83.17	-	-	+	-	-
SPBC609.05	-	-	-	+	-
SPCC757.12	-	-	-	-	+S
map1	-	-	-	-	+
atf21	-	-	-	-	+S
SPAC25B8.12C	-	-	-	-	+SA
SPAC26F1.11	-	-	-	-	+SA
SPBC2G2.05	-	-	-	-	+SA
SPCC569.05C	-	-	-	-	+S
SPCC1281.04	-	-	-	-	+
SPAC1002.20	-	-	-	-	+S
SPCC1672.01	-	-	-	-	+
SPAC6B12.07C	-	-	-	-	+SA
SPCC24B10.02C	-	-	-	-	+S
SPCC794.04C	-	-	-	-	+SA
spn5/mde9/meu28	-	-	-	-	+
SPCC4G3.03	-	+A	+S	-	-
atf1/mts1/sss1/gad7	+S	-	+S	-	-
SPBC3H7.08C	-	+SA	+SA	-	-
SPBC1347.11	-	+SA	+SA	-	-
SPAC13G7.05	+SA	+S	-	-	-

SPCC576.17C	-	-	+S	-	+S
SPCC1322.07C	-	-	+	-	+S
tf2-10	-	+SA	+	-	-
mvp1	-	+SA	+S	-	-
uvi15	-	+	+	-	-
SPAC343.20	+SA	-	+	-	-
obr1	-	+SA	-	+	-
SPBPB2B2.10C	-	+SA	+A	-	-
mpr1/spy1	-	+SA	+S	-	-
SPBC25B2.03	-	+SA	+SA	-	-
SPAC513.06C	-	+SA	+SA	-	-
SPAC5D6.07C	+S	-	+S	-	-
SPBC3B9.01	+	-	+	-	-
SPAC167.07C	+	-	+	-	-
trr1/caf4	-	+SA	-	+	-
SPBC947.09	+SA	+SA	-	-	-
SPAC15A10.05C	-	+SA	+SA	-	-
SPCC594.04C	-	+SA	+SA	-	-
SPCC1442.07C	+	-	+	-	-
SPBC1683.06C	+	+	-	-	-
SPBP4H10.10	-	+S	+S	-	-
SPAPB1A10.05	+	-	+	-	-
SPAPB1A10.08	-	+	+	-	-
SPAC4F10.07C	-	+S	+	-	-
SPAC869.08	-	+	+SA	-	-
SPAPB1E7.06	+S	+SA	-	-	-
SPCC70.08C	-	+	+	-	-
SPAC343.06C	-	+S	+S	-	-
SPCC663.08C	-	+SA	-	+	-
SPAC14C4.01C	-	+A	+S	-	-
SPBC577.13	-	+SA	+S	-	-
SPBC23G7.11	-	+	+SA	-	-
SPCC285.11	-	+	+	-	-
SPCC18B5.02C	-	+A	-	+	-
tf2-1	-	+SA	+	-	-
tf2-2	-	+SA	+	-	-
tf2-5	-	+SA	+	-	-
SPAC4F10.17	-	+	+SA	-	-
tf2-6	-	+SA	+	-	-
tf2-7	-	+SA	+	-	-
tf2-8	-	+SA	+	-	-
tf2-9	-	+SA	+	-	-
SPBPB2B2.01	+SA	+	-	-	-
SPBC1685.12C	+	-	+	-	-
tf2-3/tf2-4	-	+SA	+	-	-
SPAC4H3.04C	-	+S	+S	-	-
SPACUNK4.16C	+	-	+	-	-
SPBC1604.01	+SA	+SA	-	-	-

SPBPB2B2.11	-	+S	+S	-	-
SPBPB2B2.13	+SA	-	+SA	-	-
SPAC6B12.03C	-	-	+S	-	+S
fbp1	-	+SA	+S	-	-
grx1	+SA	-	+SA	-	-
SPCC320.03	-	-	+S	-	+S
SPAC25H1.02	-	+SA	-	-	+S
SPBC1685.05	-	+A	+	-	-
SPCC320.05	-	+SA	+	-	-
scn1	-	+S	+	-	-
SPCPB1C11.02	-	+S	+S	-	-
SPAC24C9.14	+	-	+	-	-
SPCPB1C11.03	+	+SA	-	-	-
SPCC306.08C	-	+	+S	-	-
SPBC1711.11	-	+S	+SA	-	-
SPBC1711.12	+	-	+	-	-
tpp1	+	-	+S	-	-
SPAC328.04	+S	+SA	-	-	-
SPCC63.13	+	+SA	-	-	-
SPAC13F5.03C	+SA	-	+SA	-	-
SPAC22E12.03C	-	+SA	+SA	-	-
SPBC106.11C	+	-	+S	-	-
I12_C19F5.04	-	+S	+	-	-
SPAC21E11.04	-	+SA	+	-	-
SPBC409.13	-	+SA	-	+	-
SPAC9E9.04	-	+SA	+SA	-	-
SPBC1289.06C	+	-	+	-	-
SPAPJ691.02	-	+	+	-	-
SPBC1683.04	+	-	+	-	-
SPCC16A11.01	-	+SA	-	-	+SA
exg3	+SA	-	+SA	-	-
SPCC61.03	-	+S	+SA	-	-
ubi4	-	+SA	+	-	-
SPAC1F8.04C	-	+SA	-	+SA	-
SPCC16A11.08	-	+SA	+S	-	-
SPAC1E11.03	+S	-	+S	-	-
SPBC23G7.06C	-	+S	+	-	-
SPACUNK4.15	-	-	+SA	-	+SA
SPAC521.03	+	-	+	-	-
SPBC713.07C	-	+S	+	-	-
SPBC1E8.04C	-	+SA	+	-	-
cta3	-	-	+S	-	+SA
SPBPB10D8.02C	+SA	-	-	+SA	-
SPAC23D3.11	+SA	+SA	-	-	-
SPCC794.05C	-	+SA	+A	-	-
SPBC1734.08	-	+	+S	-	-
SPBC1539.04	+	-	+	-	-
SPAC513.07	+A	+SA	-	+	-

SPCC757.11C	+	+S	+	-	-
vip1	+S	+SA	+SA	-	-
SPBC20F10.10	+S	+S	+	-	-
plr1	+	+SA	+	-	-
hsp16	+SA	-	+A	+SA	-
SPAC13G7.02C	+	-	+S	-	+
SPAC26F1.14C	+SA	-	+SA	-	+SA
SPBC21H7.06C	-	+S	+SA	-	+SA
SPAC4D7.02C	+SA	+SA	+SA	-	-
SPAC27D7.11C	+A	-	+SA	-	+SA
SPAC2C4.17C	-	+S	+S	-	+SA
SPBC16D10.08C	+S	-	+	+	-
SPAC3G6.07	-	+SA	+SA	-	+SA
SPAPB24D3.08C	+A	+SA	-	+A	-
SPAC8C9.16C	+	+	+	-	-
SPCC663.06C	+	+SA	-	+	-
tms1	-	+SA	+SA	+SA	-
SPBPB2B2.12C	+S	+S	+SA	-	-
SPAC26F1.07	+SA	-	+SA	-	+SA
SPBC1105.13C	-	-	+	+	+SA
misc RNA 1.1.38.RC	-	+SA	+SA	-	+SA
SPCC736.15	-	+SA	+SA	-	+SA
pas1	+	+S	+	-	-
SPCC191.09C	+	+	-	+A	-
SPAC22G7.11C	+S	+SA	+SA	-	-
SPAC11E3.14	-	+S	+S	-	+SA
SPAC16A10.01	-	+SA	+SA	-	+SA
SPBPB2B2.02	+S	+SA	+S	-	-
SPBC119.03	+A	+S	+	-	-
SPAC22H12.01C	+	-	+	+A	-
psi1	+	-	+	+	-
SPCC965.07C	+	+SA	-	+	-
git5	+SA	+SA	+SA	-	-
SPAC25H1.03	-	+S	+	-	+S
SPBC2A9.02	+SA	+SA	-	+SA	-
zwf1	+	+SA	-	+	-
SPBC609.04	+	+SA	-	+	-
SPAPB1A11.03	+S	+S	+SA	-	-
SPAC977.13C	+SA	+SA	+A	-	-
SPAC11D3.01C	+SA	+SA	+SA	-	-
slt1	+	-	+	+	-
SPCC1183.11	-	+SA	+S	-	+SA
SPCC1281.04	+	+A	+	-	-
SPCC1739.08C	+	+SA	+S	-	-
SPBC1271.07C	-	+	+	+	-
gpd1	+SA	-	+SA	-	+SA
SPAC32A11.02C	+SA	-	+S	-	+SA
SPBC30D10.14	+SA	-	+SA	+SA	-

SPBC4F6.17C	+	-	+	+	-
SPCC576.04	+	+S	+	-	-
SPBC14F5.10C	+	+SA	+	-	-
ptc1	+S	+S	+S	-	-
isp6	+S	+SA	+S	-	-
ptc4	+SA	+SA	+SA	-	+SA
SPAC2F3.05C	+SA	+SA	+SA	-	+SA
SPAC3C7.05C	+SA	+SA	+SA	-	+SA
ntp1	+S	+SA	+S	-	+S
SPAC3C7.13C	+SA	+SA	+SA	-	+SA
SPAC167.06C	+SA	+SA	+SA	-	+SA
SPAC688.04C	+SA	+SA	+SA	-	+SA
SPCC1020.10	-	+	+A	+S	+SA
pcr1/mts2	+S	+SA	+SA	-	+SA
SPCC1235.01	+	+	+S	+	-
pka1/tpk/git6	+S	+S	+S	-	+S
SPCC417.05C	+S	+S	+S	-	+SA
SPAC57A7.05	+S	+S	+	-	+SA
SPAC869.09	+S	+	+SA	-	+S
SPCC338.12	+SA	+SA	+SA	-	+SA
SPAC23C11.06C	+SA	+SA	+SA	-	+SA
SPCC338.18	+SA	+	+	+A	-
SPAC23D3.05C	+A	+SA	+SA	+SA	-
SPAC5H10.02C	+S	+SA	+SA	+S	-
SPCC191.01	+S	+S	+SA	-	+S
SPBC1289.14	+S	+	+SA	-	+S
SPBC16A3.02C	+SA	+SA	+SA	-	+SA
SPCC576.03C	+	+S	+	+	-
cgs1	+SA	+SA	+SA	-	+S
SPBC23G7.10C	+SA	+SA	-	+SA	+SA
SPBC428.10	+SA	+SA	+SA	-	+SA
SPCC1393.12	+SA	+SA	+SA	-	+SA
SPCC63.14	+S	+SA	+SA	-	+SA
rds1	+SA	+SA	+SA	-	+SA
SPCC965.06	+A	+A	+SA	+SA	-
SPAC2E1P3.01	+SA	+SA	+SA	+SA	-
SPAC11D3.13	+A	+SA	+SA	+A	-
SPCP31B10.06	+SA	+SA	+SA	-	+SA
tps1	+SA	-	+S	+S	+SA
pyp2	+SA	+SA	+SA	-	+SA
SPCC16A11.15C	+SA	+SA	+SA	-	+SA
SPBC1271.08C	+	+SA	+A	+A	-
SPCC1494.03	+	+S	+S	-	+SA
SPAC26F1.04C	+SA	+SA	+SA	-	+SA
SPBC20F10.03	+S	+S	+S	-	+SA
SPAC27D7.10C	+SA	+SA	+SA	+SA	+SA
SPAC22F8.05	+SA	+SA	+SA	+SA	+SA
gpx1	+SA	+SA	+SA	+SA	+SA

SPBC725.03	+SA	+SA	+SA	+SA	+SA
SPAC23H3.15C	+SA	+SA	+SA	+SA	+SA
SPBC215.11C	+SA	+SA	+SA	+SA	+SA
SPBC725.10	+SA	+SA	+SA	+SA	+SA
SPBC21C3.19	+SA	+SA	+SA	+SA	+SA
SPBC365.12C	+SA	+SA	+SA	+SA	+SA
SPAC4H3.03C	+S	+SA	+SA	+S	+S
SPAC27D7.09C	+SA	+SA	+SA	+SA	+SA
SPBC11C11.06C	+SA	+SA	+SA	+SA	+SA
SPBC106.02C	+SA	+SA	+SA	+SA	+SA
SPAC22H10.13	+SA	+SA	+SA	+SA	+SA
SPBC12C2.04	+SA	+S	+SA	+S	+SA
hsp9	+SA	+SA	+SA	+SA	+SA
SPBC56F2.06	+S	+SA	+SA	+S	+S
SPBC16E9.16C	+SA	+SA	+SA	+SA	+SA
SPAC4H3.08	+S	+SA	+SA	+SA	+SA
SPBC1773.06C	+A	+SA	+SA	+SA	+SA
SPAC637.03	+SA	+SA	+SA	+SA	+SA
SPAC139.05	+SA	+SA	+SA	+SA	+SA
SPAC15E1.02C	+SA	+SA	+SA	+SA	+SA
SPCC1322.08	+S	+SA	+S	+S	+SA
SPBC1105.14	+S	+SA	+S	+SA	+SA
SPAC22A12.17C	+SA	+SA	+SA	+SA	+SA
SPACUNK4.17	+SA	+SA	+SA	+SA	+SA
gut2	+SA	+SA	+SA	+SA	+SA
cta1	+SA	+S	+SA	+SA	+SA
SPAC19G12.09	+SA	+SA	+SA	+SA	+SA
SPBC24C6.09C	+SA	+SA	+SA	+SA	+SA
SPCC757.03C	+SA	+SA	+SA	+SA	+SA
SPBC660.05	+SA	+SA	+SA	+SA	+SA
SPBC660.06	+S	+S	+SA	+SA	+SA
SPAC513.02	+SA	+SA	+SA	+SA	+SA