

Table S1: Number of replicated samples in which genes were up- or down- regulated because of heat stress (45°C)

Gene name	Equivalent samples before stress (25°C)	30 min under stress (45°C)	Immediately after removing stress	30 min after removing stress
ackA		-3		
acnA		-3		-1
acnB		-3		
acrA			2	
add			2	1
adk	1		3	3
aer		-2	-2	-1
aes			2	1
agp		-3	-3	-1
agsA		3	3	3
ahpF			2	
aldB		-3	-3	-2
ansB		-3	-2	
araC			2	3
arcA			3	
aroH	1			2
aroK			3	
aroL			2	
asd			2	
asnS		1	3	3
aspA		-3	-1	
atpB			2	
avrA		2		
bioA	1		3	3
bioB			3	3
bioC				3
bioD				3
bioF			2	3
brnQ			2	1
cbiC		-3		
cbiF		-3	-2	-1
cbiG		-3		
cbiH		-3	-1	-1
cbiJ		-3	-1	-1
cbiK		-3	-2	-2
cbiL		-3	-1	-1
cbiM		-3	-2	-1
cbiN		-3	-1	-1
cbiO		-3		-1
cbiP		-2		
cboQ		-3		-2
cbpA		-2		
ccmB			2	1

ccmC		2	1
ccmE		2	1
cdd	1	3	3
celG	1	2	
cheB	-2	-1	-3
cheM	-3	-3	
cheR	-3	-2	
cheW	-2		-2
cheY	-3	-1	-3
cheZ	-2		-3
citG	1	2	2
clpB	3	3	3
clpP	1	3	3
clpX		3	2
cobS	-2		
creA	1	3	3
creB	1	3	3
creC		3	2
crp	-2	-1	
csdA		3	1
csiE	-3	-1	
cspA	2	3	1
cspC	-3		
cspE	-3		
csrA	-2		
cstA	-3	-1	
cydA	-3		
cydB	-3		
cyoA		2	1
cyoB		2	
cypD		3	
dapA	-3		
dapD	-3		
dcd		2	
dctA	-3	-2	-1
dcuA	-3		
deaD		3	3
def		3	
deoC		3	
dgoT	-3	-1	
dnaC		2	1
dnaG	1	3	3
dnaJ	3	3	3
dnaK	3	3	3
dnaX		2	
dppA	-3	-2	-3
dps	-3		-2
dxs		2	

ecnB		-1		-2
eco		-3		
eda			2	
emrA			3	2
emrD	1		2	
emrR			3	2
eutA		-1	-1	-3
eutB		-3	-2	-3
eutC		-3		-3
eutD		-3	-3	-3
eutE		-2	-2	-3
eutG		-1	-1	-3
eutH		-1		-3
eutJ		-3	-3	-3
eutK		-3	-2	-3
eutL		-3	-2	-3
eutM		-3	-3	-3
eutN		-3	-3	-3
eutP		-3	-3	-3
eutQ		-3	-3	-3
eutR		-1		-3
eutS		-1		-2
eutT		-3		-1
fabF			2	1
fba		-3		
fbp		-2		
fdhE		-3		
fdhF		-2		
fdoG		-3		
fdoH		-3		
fdoI		-3	-1	
fepE			2	1
fimA		-2	-3	-3
fkpA			2	
fldA			3	
fldB			2	1
flgK		-3	-2	
flgL		-3	-1	
flgM		-3	-2	
flgN		-3	-2	
fliC		-3	-3	-3
fliH			1	3
fliS		-1		-2
fliT		-1		-2
fljB		-3	-3	-3
flk			2	1
fnt			3	
fnr			3	

folD		2	
folE		3	
frdC	-2		
ftn		2	1
ftsI	-3	-1	
fumA	-3	-3	-1
fumC	-3	-2	-1
fur		3	1
fusA	1	3	3
fxsA		3	
galF		3	1
galK	-2		
galM	-3		-1
galP	-3	-2	-3
galT	-3		
gapA	1	3	2
gcvA		3	1
gcvH	-3		
gcvT	-2		
glgC	-3		-1
glgX	-3		
glmU		3	3
glnA		1	3
glnL			3
glnS		3	3
glpX			2
gltA	-3		
gltI	-3	-3	-3
gltJ	-3	-3	-2
gltK	-3	-3	-3
gltX		3	1
glyQ		2	
gmk		3	
gntU			2
gpt		3	1
greA		3	
greB		2	1
grpE		3	2
grxB	-3		
gsp		2	1
guaB		2	3
gutM		3	
gyrA		3	2
gyrB			2
hemA		2	
hemB		2	
hemL		3	
hemX	-3		

1

hepA		1	3	2
hflB			3	3
hha			2	
hilD		-3	-2	-3
hisB			1	3
hisC			1	3
hisD		1	3	3
hisG		1	3	3
hisH			1	3
hisI				2
hlpA		-3		
holB			2	
holC		1	3	3
holD			2	1
hrpA			2	1
hscB			3	3
hslU			3	3
hslV		1	3	3
htpG	1	3	3	3
htpX		2	3	3
htrB			2	1
hupA		-3		
hybA		-3	-1	
hybB		-3		
hybC		-3		
hybD		-3		
hybE		-3		
hybF		-3		
hycE				-2
hycH		-2		-2
hydN		-2		-2
hypA		-2		
hypB		-3		
hypC		-3		
hypD		-3		
hypO		-3		
iadA			1	3
iap			2	1
ibpA		3	3	3
ibpB		3	3	3
icdA		-3		
idnD		-1	-1	-2
idnO		-2	-3	-2
idnT		-1	-2	-1
ileS				3
ilvY			3	3
infA			2	1
infC		-3		

invB	-2		-3
invF	-3	-3	-3
invG			-2
invH	-3		-3
invI	-1		-3
invJ			-3
ispA		2	
katE	-3	-1	-1
katG	-3		
kdsB		3	1
kdtB		2	3
ldhA	2	3	3
leuS		2	
lipA	-2		
lipB		3	1
lon	1	3	3
lppB		2	1
lpxD	-3		
lrhA		3	3
lspA			3
lysA			2
maa		3	1
malE	-2		
marA	2	3	3
marB	1	3	3
marR	1	3	3
mdh	-3		
mdoG		3	
melA	-3	-3	-3
melB	-3	-3	-3
menA			2
mglB	-3	-3	-1
mlc		1	2
mopA	3	3	3
mopB	3	3	3
motA	-2		
motB	-2	-1	
mreB		3	
mrsA	3	3	3
mtlA		1	3
mtlR			2
mutH		3	1
mutM	1	3	3
nagC		2	1
nagD		2	2
narP		3	1
nifS	1	3	3
nifU		3	3

nmpC	-3	-3	-3
nuoA	-3		
nuoB	-3		
nuoC	-3		
nuoE	-3		
nuoF	-3	-1	
nuoG	-3		
nuoH	-3		
nusA		1	3
ompC	-3	-2	-1
ompW	-3		
oppA	-3		
orf242		3	1
orgA	-2		-3
osmC	-3		-2
osmE	-3	-2	-3
osmY	-3	-1	-3
pckA	-3	-2	-1
pcnB		2	1
pdhR		3	
pduA	-2		
pduB	-3		
pduC	-3	-3	
pduD	-3	-3	
pduE	-3	-3	
pduG	-3	-3	
pduH	-2		
pduJ	-3	-2	-2
pduK	-3	-2	-2
pduL	-3	-2	-1
pduM	-3	-2	
pduN	-3	-1	
pduO	-3		
pduP	-3	-1	
pduQ	-3	-1	
pduS	-3	-1	
pduT	-3	-1	
pduU	-3	-1	
pduV	-3		
pduW	-3		-1
pdxB		2	1
pdxH		2	
pdxK	1	2	
pepD	-3		
pepT		2	1
pfkB	-2		
pflA		3	
pflB	-3		

pfs		2	1
pheS		3	2
phnR		2	1
phoH	-3		-1
phoL	1	3	3
phoP	-2		
phsB	-2		
pipC	-1	-1	-2
pldA		2	
pmgI			3
pncB			2
polB	1	2	
potC	2	3	2
potD	3	3	3
potE	-3	-3	-3
poxB	-2		-2
ppa		2	
pphB		2	
ppiA		3	1
prfA		3	1
prgI	-3	-3	-3
prgJ	-2	-1	-3
prgk	-3	-2	-3
prlC	2	3	3
proQ		3	1
proS		2	
prsA		2	
psiF	-3		-2
pspA	3	3	
pspB	3	3	
pspC	3	3	
pspD	3	3	
pta	-3		
purF	1	2	
purG		2	
purU		3	
pykF	-3		-1
pyrF	1	2	1
pyrG		3	1
rbsB	-3	-1	
rbsD			3
rscF		3	1
recA		3	3
recF		3	3
rfaH		2	1
rhlB		2	
ribA		3	1
ribD		3	3

rimI	1	3	1
rnpA		3	
rob		2	
rplA		2	1
rplB	1	3	2
rplC		3	1
rplD	1	3	2
rplK		3	
rplM		2	1
rplN		3	1
rplT	-2		
rplU		3	1
rplW	1	3	1
rpmA		3	1
rpmB		2	
rpmE	3	3	3
rpmG		2	
rpmH		3	
rpoD	1	3	3
rpoE		2	
rpoH	3	3	2
rpoZ		2	
rpsA	2	3	1
rpsB	2	3	1
rpsF		2	
rpsG	2	3	3
rpsJ	1	3	2
rpsL	2	3	3
rpsT		2	1
rseA		3	
rseB		3	
rstA		2	
rsuA		3	1
rtcR		2	1
ruvA		2	1
sdaA		3	1
sdhA	-3		
sdhB	-3		
sdhC	-3		
sdhD	-3		
serC		2	
sicA	-1		-2
sipB	-3	-2	-3
sipC	-2	-2	-3
SL0322	-3	-2	
SL0351	-3		-3
SL0555		3	
SL0560	-3	-3	-3

SL0561	-3	-1	-3
SL0562	-3	-2	-2
SL0563	-3	-3	-3
SL0564	-3	-3	-3
SL0565	-3	-2	-2
SL0568		2	
SL0681	-3	-3	-3
SL0713	-3		
SL0794	-3		
SL0846		2	
SL0950		2	1
SL0983	-2		
SL1174		3	2
SL1235	-2		
SL1259	-3		
SL1391		3	
SL1399	-3	-2	
SL1475			2
SL1476	2	3	1
SL1478		3	1
SL1479	1	3	1
SL1480	1	3	
SL1537		3	1
SL1557		3	3
SL1558		3	
SL1596	2	1	
SL1603		3	3
SL1604	1	3	2
SL1605		3	3
SL1664		3	1
SL1721	1	1	2
SL1723	-3	-2	
SL1987		3	
SL1988		2	
SL2125		2	3
SL2157		3	1
SL2163	-3		
SL2283	-3	-2	
SL2330		2	3
SL2341	-3		-1
SL2409		3	1
SL2507		3	
SL2574	1	3	
SL2593		3	1
SL2594		2	
SL2631		3	
SL2632		2	
SL2633		3	

SL2674			-1	-3
SL2723		-3	-3	
SL2724		-3	-1	
SL2733			2	1
SL2763		2	3	
SL2781			2	
SL2784			3	
SL2850				-3
SL2884		2	3	2
SL2885		1	3	1
SL2919		-3	-2	
SL2921		-3	-2	
SL2966			2	
SL2998			2	1
SL3011			3	1
SL3012			3	1
SL3056				3
SL3057		1	3	3
SL3058		1	3	3
SL3059	1	3	3	3
SL3109			2	
SL3110			2	
SL3128		1	2	
SL3143		3	3	3
SL3144				3
SL3149	1		2	1
SL3219	1			2
SL3226		-3	-3	-3
SL3227		-3	-3	-3
SL3228		-3	-3	-3
SL3229		-3	-3	-3
SL3230		-3	-3	-3
SL3231		-3	-3	-3
SL3232		-3		-3
SL3233		-2	-1	-3
SL3234				-3
SL3334	1	1	3	2
SL3378		1	3	3
SL3524		2	3	
SL3566		-3		
SL3617			3	
SL3618			3	
SL3743	1	3	2	
SL3744		2	2	
SL3750				2
SL3786		1	2	
SL3808	1		3	
SL3867		1	3	

SL3976		3	3	
SL3977		3	1	
SL3979		1	2	
SL3985		-2		
SL3993		-3	-3	-1
SL4014	1	2	3	3
SL4015		1	3	3
SL4016			1	3
SL4020		-3	-3	-3
SL4029		-3	-3	-3
SL4222		-2		
SL4253		1	2	
SL4395		-3	-2	
SL4396		-3	-2	
SL4397		-3	-1	
SL4421			3	1
SL4422			2	
SL4426			2	1
SL4441		1	3	3
SL4460		2	3	
SL4466		-3	-3	
SL4467		-3	-3	-1
SL4468		-3	-3	-1
SL4469		-3	-3	-3
SL4470		-3	-3	-3
SL4471		-3	-3	-3
SLP1_0008			2	
SLP1_0009		2	2	
SLP1_0054			3	3
SLP1_0055			3	3
SLP1_0056		1	2	
SLP1_0057		2	3	3
SLP1_0058		3	3	3
SLP1_0059		3	3	2
SLP1_0060		1	3	3
SLP1_0062			3	
SLP1_0063		1	3	
SLP1_0072			3	
SLP1_0074				2
SLP1_0075		1	3	3
SLP1_0076			3	3
SLP1_0077		1	3	3
SLP1_0079		3	3	3
SLP1_0080		3	3	3
SLP1_0083			2	
SLP1_0091			3	
SLP1_0092			3	2
SLP1_0093	1		2	2

SLP1_009	1			2
SLP2_0003		1	3	
SLP2_0004		3	3	
SLP2_0005			3	
SLP2_0010			2	
SLP2_0016			3	3
SLP2_0017	1	1	3	3
SLP2_0019		1	2	
SLP2_0020		3	3	1
SLP2_0021		3	3	3
SLP2_0022		3	3	3
SLP2_0023			3	2
SLP2_0024			2	1
SLP2_0027	1			2
SLP2_0048			3	2
SLP2_0049			3	2
SLP2_0055		3	3	
SLP2_0071	1			2
SLP2_0095				2
SLP2_0098				2
SLP3_0001			2	
SLP3_0003		1	3	3
SLP3_0004		2	3	3
SLP3_0005		2	3	3
SLP3_0006	1	3	3	3
SLP3_0007		3	3	3
SLP3_0008	1	3	3	3
SLP3_0009	1	3	3	3
SLP3_0011		3	3	1
SLP3_0012	1		2	1
SLP3_0014	1		2	1
slpA				2
smpA			2	
smpB			2	
sodB		-3		
sopB				-3
soxR			3	2
spaO		-1		-3
spaP				-2
speF		-3	-3	-3
speG			2	
sptP		1	2	
spy		1	3	
srlR			2	
sseE			2	
stpA		3	3	3
sucA		-3		-1
sucB		-3	-1	-1

sucC		-3		-1
sucD		-3		-1
suhB	1		2	1
tatA			2	1
tatB			2	
tbpA		1	2	
tcp		-3	-3	-3
tesB			2	1
thiL	1		2	
thrS		-3		
tktB		-2		-1
tmk			3	
tolC		-3		
tolQ	1		3	1
topA	1		2	
torR			3	3
tpx		-2		
treA		-3	-1	-1
treR			2	
trxA			2	1
trxB			3	
trxC			2	1
tsf			3	1
tus		1	3	1
typA			3	1
ubiC			2	
ubiG			2	
ucpA		-3	-2	
udk			3	1
uvrA			1	3
uvrC	1		3	2
uvrY			2	1
uxuR			2	
valS				3
wcaI				2
wraB				-2
xseA			3	3
yaaA			2	1
yacC			3	1
yacE	1		3	1
yacF			2	
yadF	1		2	1
yadR			3	1
yaeB			3	
yaeH		-3		-1
yaeQ			2	1
yafA			2	
yafD			3	1

yafK	1		3	1
yahO		-2		
yaiI			3	
yajO		-3	-2	-1
ybaD			3	2
ybaJ			2	
ybaM			2	
ybaO			3	1
ybaY		-2	-2	-3
ybbB			2	
ybbM	1		3	2
ybbN		3	3	3
ybbO			2	
ybdD		-3		
ybdF			2	
ybdG			2	1
ybdN		1	2	
ybeA			3	1
ybeB			3	
ybeD		1	3	3
ybeL		-2		
ybeX			3	3
ybeY			3	3
ybfA		1	3	2
ybgE		-3		
ybgS		-1		-2
ybgT		-2		
ybhQ		-3		
ybiJ		1	3	3
ybiS			2	
ybiV(1)			3	
ycaR			3	1
yccA			2	1
yccD		-3		
yccJ				-2
yccS			2	1
yccV		1	3	3
yceG			3	
yceP			2	1
ycfD			2	
ycfF		-2		
ycfL		-2		
ycfQ			3	
ycfR	1	3	3	3
ycgB		-3		-1
ychF			3	1
yciM			3	1
yciS			3	1

yciT	1		2	
ycjF			3	3
ycjX		2	3	3
ydaL			3	1
ydbH		1	3	1
ydcX			3	
ydeA	1		3	1
ydeV		-3	-3	-1
ydeW		-3	-2	
ydeY		-3	-2	-1
ydeZ		-3	-3	-3
ydfH		-2		
ydfZ		3	3	1
ydgA		-3		
ydgM			2	
ydgO				2
ydhC			2	
ydiH			3	2
ydiZ		-2		
yeaD			3	3
yeaG		-3	-2	-1
yeaH		-3	-1	-1
yeaM			2	
yeaO		1	2	1
yebK			1	2
yecG		-3		
yecH			1	2
yedJ		1	3	1
yeeI		-3		
yegH			3	2
yegQ			3	2
yegT			1	3
yegU			1	3
yehE		2	3	
yehS			2	1
yeiA		-3		
yeiH			3	2
yejG			2	
yejH			2	
yejL			2	
yejM			3	
yfbQ			2	
yfcE			3	
yfcL		2	3	1
yfcX			3	2
yfcZ		-3	-2	
yfeC		-3		
yfeD		-2		

yfgB		2	
yfhB		-2	
yfhF		3	3
yfhP		1	3
yfiO		3	
yfjF		2	
yfjG		2	1
ygaA		2	3
ygaC	1		3
ygaD		1	3
ygaU		-3	-2
ygbI		2	1
ygcF	1		3
ygcH		-3	
ygdD		3	
ygdE		3	1
ygdH		-3	
ygdI		-3	-2
ygfB		3	
ygfE		-3	
yghA		-3	-3
yghJ		-2	-2
ygiC		-3	-1
yhbC		3	2
yhbS		-2	
yhbU		2	
yhcN		1	3
yhcO		-3	2
yhdN		1	3
yheL		2	3
yheT			3
yheU		2	2
yhgI		2	1
yhhV		3	3
yhiI		3	3
yhiQ		3	3
yhiR		2	
yhjC	1		2
yhjH		-2	1
yhjT		3	
yiaG		-3	-2
yidA		3	3
yigC		2	
yihD		-2	
yiiL		-3	
yjbO		2	1
yjcB		2	3
yjfN		-3	-2

yjfO	-3	-2	
yjiE		2	3
yjiG		3	
yjiH		3	
yjjY		2	
ylaC		2	
ymfC		3	1
ynaF	-3	-2	-3
yneA	-3	-3	-3
yneB	-3	-3	-3
yneC	-3	-3	-3
ynfK		3	1
yobF	-3		
yohJ		3	1
yohK	1	3	2
yqfA	-3		
yqiA		2	1
yqiB		2	
yqiE	1	3	1
yqjC	-3		
yqjK	-3		-1
yrbL			2
yrdC	-3		
yrfH	1	3	3
yrfI	1	3	3
ytfH	1	3	1
ytfL		3	2
zntR	3	3	3
znuC		3	1