

(a)

Gene
CategoryGene
Name

B73

Mo17

Diff. Exp
Inbred

A	B	C	D	E	A	B	C	D	E
<i>Acs1</i>	0.0			0.9	0.0				1.0
<i>Acs2</i>	0.1			1.5	0.0				0.5
<i>Acs6</i>	0.3			2.8	0.3				1.5
<i>Acco2</i>	2.7			21.7	88.7			122.4	
<i>Acco3</i>	0.0			0.2	0.0				0.3
<i>Acco4</i>	0.0			0.0	0.3				2.2
<i>Acco15</i>	0.8			6.7	0.0				0.3
<i>Acco20</i>	48.9			119.0			33.1		75.4
<i>Lox1</i>			33.3		21.0	4.4			10.3
<i>Lox8</i>	1.1				10.8	0.7			9.1
<i>Aos1a</i>	3.2				11.8	1.8			7.9
<i>Aos2a</i>	25.0			46.7			21.1		58.0
<i>Aos2b</i>	547.9			1091.5			342.7		939.1
<i>F3h</i>	4.1				22.9	4.0			55.3
<i>Jaz4</i>		2.2			9.5	0.0			2.6
<i>Jaz5</i>	5.3				35.3		0.8		18.0
<i>Jaz6</i>		0.5			5.5		1.5		21.4
<i>Jaz7</i>		0.3			8.5	0.2			6.0
<i>Jaz8</i>	0.4				4.2	0.3			4.0
<i>Jaz10</i>		0.2			6.5	0.0			4.3
<i>Jaz12</i>	3.6				38.0	1.5			31.4
<i>Lox3</i>	3.8				47.6		2.9		64.5
<i>Lox4</i>			4.4	6.8		5.0			14.3
<i>Lox6</i>	37.2			50.3		67.2			395.0
<i>Mpi</i>	13.8				606.0	4.3			642.8
<i>Opr3</i>	0.0				1.5	0.0			0.0
<i>Opr4</i>	0.0				0.0	0.0			0.4
<i>Pr4b</i>		8.7			236.3	4.0			391.0
<i>Pr5</i>	1815.8				5647.2	860.3			3958.2
<i>Prm6b</i>	17.1				25.3		1.4	2.4	

Ethylene
biosynthesisJA
biosynthesisJA-
responsive
genesSA-
responsive
genes

(b)

Protein
ClassGene
Name

B73

Mo17

Diff. Exp
Inbred

TF	<i>P1</i>	6.0				0.2		1.4			0.3	B & M
CGT	<i>Cgt1</i>	14.3				1.8		11.0			2.8	B & M
CHI	<i>Chi1</i>	387.9				43.7		1020.4			348.2	B & M
CHS	<i>C2</i>	592.5				40.2			61.9		31.2	B
	<i>Whp1</i>	103.0				30.3		3.9			0.9	B
DFR	<i>A1</i>	1372.2				86.3	465.8				209.3	B
F2H	<i>F2h1</i>	128.8				13.8			20.6		5.1	B & M
F3'H	<i>Pr1</i>	727.3				95.0			29.1		11.4	B
RHM	<i>Sm1</i>	226.0				15.0		27.5			8.0	B & M
	<i>Bz1</i>	36.3				8.3			12.1		19.6	B
UGT	<i>Sm2</i>	478.4				54.9		71.7			18.6	B & M
TF	<i>Pl1</i>	0.0				0.5		0.0			0.6	B & M
	<i>B1</i>	0.0				0.2		0.0			0.0	B
DFR	<i>A4</i>	0.0				0.0		0.0			0.3	M
F3H	<i>F3h</i>	4.1				22.9	4.0				55.3	B & M
FNSI	<i>Fnsi1</i>	4.6				24.5			8.2		25.2	B & M
GST	<i>Bz2</i>	0.2				4.9		0.0			16.6	B & M
ABC	<i>Mrpa3</i>	5.0				19.4	2.5				21.8	B & M
LDOX	<i>A2</i>	1.2				6.2	0.3				22.4	B & M

Relative
Expression

Low

High

