

**Table 9. 295\_6hr\_increase**

	Probe set	Fold induction				Fold induction				Identifier	
		Expression level (327, 1h)	305, 1h	295, 1h	quartz, 1h	Expression level (327, 1h)	305, 6h	295, 6h	quartz, 6h		
<b>1</b>	254059_at	573	1.1	0.3	0.4	21	4.7	106.3	674.6	AT4G25200	mitochondrion-localized small heat shock protein
<b>2</b>	255941_at	51	1.8	4.9	10.0	5	5.2	34.2	170.4	AT1G20350	mitochondrial inner membrane translocase component -related
<b>3</b>	262307_at	306	0.6	0.3	0.2	34	0.6	17.0	74.9	AT1G71000	DnaJ protein family
<b>4</b>	265422_at	9	3.1	1.6	1.1	22	0.6	14.6	61.7	AT2G20800	NADH dehydrogenase family
<b>5</b>	263515_at	128	1.7	3.5	2.8	95	1.3	14.3	33.6	AT2G21640	expressed protein
<b>6</b>	261065_at	95	4.1	4.2	5.3	47	2.7	7.0	22.9	AT1G07500	hypothetical protein
<b>7</b>	264042_at	163	5.4	30.3	25.7	157	0.8	5.8	36.7	AT2G03760	steroid sulfotransferase, putative
<b>8</b>	248434_at	450	2.2	2.9	1.7	157	1.0	5.5	15.7	AT5G51440	heat shock protein, putative
<b>9</b>	255317_at	66	1.1	1.2	1.5	43	2.2	5.2	6.7	AT4G04180	vesicle transfer ATPase -related
<b>10</b>	259015_at	125	1.3	2.2	3.3	75	2.5	5.0	6.4	AT3G07350	expressed protein
<b>11</b>	256245_at	4032	0.9	0.6	0.3	946	1.0	4.8	9.8	AT3G12580	heat shock protein hsp70
<b>12</b>	252136_at	53	1.6	4.0	5.4	87	1.0	4.7	29.3	AT3G50770	calmodulin-related protein, putative
<b>13</b>	258321_at	3369	4.5	3.8	2.6	466	1.1	4.7	7.3	AT3G22840	early light-induced protein
<b>14</b>	265221_s_at	179	0.6	0.9	1.5	30	0.8	4.6	21.5	AT2G02010	glutamate decarboxylase
<b>15</b>	260522_x_at	164	6.9	47.7	47.2	157	0.8	4.5	43.9	AT2G41730	expressed protein
<b>16</b>	260881_at	67	2.0	8.1	11.9	47	0.9	4.5	23.7	AT1G21550	calcium-binding protein, putative
<b>17</b>	262911_s_at	728	0.9	0.7	1.0	63	1.5	4.4	21.6	AT1G59860	heat shock protein, putative
<b>18</b>	250515_at	128	1.1	1.8	1.6	184	1.2	4.4	7.4	AT5G09570	expressed protein
<b>19</b>	246295_at	87	0.8	0.8	1.0	53	0.7	4.2	5.6	AT3G56690	calmodulin-binding protein
<b>20</b>	253046_at	83	2.3	23.2	27.3	57	1.3	4.2	60.8	AT4G37370	cytochrome P450, putative
<b>21</b>	263231_at	108	3.2	17.2	14.9	166	0.8	4.2	20.0	AT1G05680	glycosyltransferase family
<b>22</b>	261240_at	151	1.2	1.3	1.5	130	1.7	4.1	15.3	AT1G32940	subtilisin-like serine protease
<b>23</b>	266070_at	67	0.5	1.1	1.3	30	0.8	4.1	39.1	AT2G18660	expressed protein
<b>24</b>	255430_at	367	1.5	2.8	2.2	290	0.9	4.1	12.7	AT4G03320	chloroplast protein import component -related
<b>25</b>	260933_at	69	1.4	2.3	1.3	47	1.7	4.1	12.5	AT1G02470	expressed protein
<b>26</b>	252334_at	52	1.2	3.8	3.6	75	1.1	4.0	30.1	AT3G48850	mitochondrial phosphate transporter, putative
<b>27</b>	264148_at	32	2.3	2.4	2.8	37	0.9	4.0	9.3	AT1G02220	NAM (no apical meristem)-related protein
<b>28</b>	248332_at	2375	0.9	0.5	0.3	475	0.9	3.9	14.1	AT5G52640	heat shock protein 81-1 (HSP81-1/heat shock protein 83/HSP83)
<b>29</b>	245306_at	2489	7.8	7.8	5.2	444	1.5	3.8	5.4	AT4G14690	expressed protein
<b>30</b>	260287_at	320	1.4	2.5	4.3	114	1.8	3.8	8.3	AT1G80440	Kelch repeat containing F-box protein family

31	246228_at	146	1.4	1.1	1.1	220	1.0	3.8	3.0	AT4G36430	peroxidase, putative
32	260140_at	46	17.6	2.3	1.2	74	1.2	3.7	2.6	AT1G66390	myb family transcription factor
33	254443_at	34	17.2	16.5	14.4	54	1.6	3.7	5.5	AT4G21070	BRCT domain-containing protein
34	264868_at	54	1.6	3.0	2.6	59	1.3	3.7	17.0	AT1G24090	RNase H domain-containing protein
35	251975_at	443	1.1	1.1	0.7	406	1.1	3.6	8.9	AT3G53230	CDC48 - like protein
36	263345_s_at	17564	1.4	1.1	1.5	1352	1.4	3.5	9.0	AT2G05070	light-harvesting chlorophyll a/b binding protein
37	248657_at	2151	0.7	0.3	0.3	158	1.3	3.4	8.5	AT5G48570	peptidylprolyl isomerase
38	246099_at	840	1.6	4.3	5.7	288	0.9	3.3	12.2	AT5G20230	plastocyanin-like domain containing protein
39	252415_at	879	1.0	1.0	1.6	78	2.4	3.3	7.3	AT3G47340	glutamine-dependent asparagine synthetase
40	247800_at	202	0.7	2.2	2.4	385	1.2	3.3	5.5	AT5G58570	expressed protein
41	254543_at	128	0.9	1.6	1.7	152	1.1	3.3	7.7	AT4G19810	glycosyl hydrolase family 18
42	266071_at	71	1.1	3.7	7.1	76	1.0	3.2	40.6	AT2G18680	expressed protein
43	248668_at	162	3.0	2.8	2.1	151	1.5	3.2	5.7	AT5G48720	hypothetical protein
44	247323_at	1031	1.6	1.1	0.9	68	0.5	3.2	7.2	AT5G64170	expressed protein
45	253416_at	208	2.0	2.1	1.0	282	1.0	3.2	13.2	AT4G33070	pyruvate decarboxylase-1 (Pdc1)
46	262518_at	726	1.4	4.7	2.8	1255	1.0	3.1	5.4	AT1G17170	glutathione transferase, putative
47	262517_at	282	1.6	3.7	2.3	443	1.0	3.1	8.1	AT1G17180	glutathione transferase, putative
48	253496_at	1307	3.5	3.0	2.0	425	1.7	3.0	2.9	AT4G31870	glutathione peroxidase, putative
49	257635_at	331	0.6	1.1	1.0	100	1.9	3.0	2.7	AT3G26280	cytochrome P450 family
50	266294_at	1771	0.8	0.4	0.4	171	1.0	2.9	6.6	AT2G29500	small heat shock protein -related
51	257206_at	879	1.9	3.0	2.8	709	1.4	2.9	6.1	AT3G16530	lectin -related
52	251176_at	80	1.3	4.2	4.2	106	1.0	2.9	32.6	AT3G63380	calcium-transporting ATPase (calcium pump), putative
53	248686_at	991	1.6	3.0	3.4	253	1.1	2.8	9.3	AT5G48540	33 kDa secretory protein-related
54	247540_at	394	0.8	0.9	0.8	252	1.2	2.8	2.1	AT5G61590	ethylene responsive element binding factor, putative
55	257628_at	637	0.8	0.7	0.8	182	1.2	2.8	2.6	AT3G26290	cytochrome p450 71B26
56	248049_at	484	2.0	1.8	1.0	298	1.4	2.7	3.7	AT5G56090	expressed protein
57	246282_at	92	1.1	1.8	1.1	154	0.8	2.7	5.6	AT4G36580	ATPase-related protein
58	262986_at	470	1.3	2.7	5.4	333	1.3	2.7	3.0	AT1G23390	Kelch repeat containing F-box protein family
59	263403_at	195	1.3	3.3	3.6	92	1.1	2.6	19.7	AT2G04040	MATE efflux protein family
60	259507_at	119	1.7	7.5	7.4	234	0.9	2.6	19.4	AT1G43910	AAA-type ATPase family
61	247585_at	296	0.9	1.2	1.7	262	1.2	2.6	2.5	AT5G60680	expressed protein
62	251443_at	684	1.0	1.5	2.1	734	1.2	2.6	1.9	AT3G59940	Kelch repeat containing F-box protein family
63	267168_at	127	1.4	1.5	1.1	297	1.0	2.6	2.8	AT2G37770	aldo/keto reductase family
64	253161_at	2879	0.6	0.5	1.1	66	1.6	2.6	8.7	AT4G35770	senescence-associated protein sen1
65	253890_s_at	592	1.5	1.9	1.5	577	1.0	2.6	6.7	AT5G54100	expressed protein
66	259937_s_at	420	1.1	3.4	3.4	332	1.1	2.6	7.3	AT1G71330	ABC transporter family protein
67	250914_at	76	1.0	1.0	1.1	60	0.8	2.6	3.7	AT5G03780	myb -related protein

68	258239_at	4368	1.7	1.3	2.0	237	1.6	2.6	7.4	AT3G27690	light harvesting chlorophyll A/B binding protein, putative
69	262119_s_at	3524	1.5	1.8	1.8	2618	1.0	2.6	4.7	AT1G02930	glutathione transferase, putative
70	265200_s_at	139	4.7	13.3	11.6	144	1.4	2.6	5.6	AT2G36790	glucosyl transferase -related
71	261187_at	194	1.6	1.8	1.6	181	1.0	2.5	6.1	AT1G32860	glycosyl hydrolase family 17
72	256852_at	262	1.0	0.8	0.4	263	0.9	2.5	6.0	AT3G18610	nucleolin, putative
73	267066_at	445	2.9	2.4	1.4	190	1.3	2.5	3.3	AT2G41040	expressed protein
74	265111_at	3695	1.2	1.1	1.1	309	1.1	2.5	4.4	AT1G62510	protease inhibitor/seed storage/lipid transfer protein (LTP) family
75	246850_at	258	1.0	0.8	0.7	305	1.3	2.5	3.0	AT5G26860	Lon protease homolog 2 precursor
76	256505_at	204	1.4	1.0	1.1	201	1.1	2.5	3.1	AT1G75200	flavodoxin family
77	255011_at	903	2.3	3.0	2.4	509	1.1	2.5	5.0	AT4G10040	cytochrome c
78	260568_at	141	1.4	1.4	1.0	211	1.1	2.5	8.6	AT2G43570	glycosyl hydrolase family 19 (chitinase)
79	256416_at	85	1.6	1.5	1.2	80	1.3	2.5	2.7	AT3G11050	ferritin subunit -related
80	264400_at	3838	1.2	1.6	1.0	966	1.2	2.5	4.8	AT1G61800	glucose-6-phosphate/phosphate-translocator, putative
81	267411_at	598	1.3	1.7	1.5	102	0.7	2.5	12.0	AT2G34930	disease resistance protein family
82	265197_at	125	6.1	7.9	4.5	113	1.3	2.5	3.7	AT2G36750	UDP-glycosyltransferase family
83	248436_at	679	1.7	1.6	1.3	456	1.0	2.5	2.6	AT5G51220	expressed protein
84	253776_at	348	1.0	1.0	1.2	219	1.1	2.5	6.1	AT4G28390	mitochondrial ADP,ATP carrier protein, putative
85	258815_at	189	1.0	1.6	1.5	138	1.8	2.5	2.2	AT3G04000	short-chain type dehydrogenase/reductase -related
86	251282_at	131	3.1	6.9	6.0	70	0.9	2.4	8.0	AT3G61630	AP2 domain transcription factor, putative
87	250087_at	103	0.9	0.8	0.9	119	0.7	2.4	2.7	AT5G17270	tetratricopeptide repeat (TPR)-containing protein
88	258926_s_at	205	1.5	1.6	1.1	184	1.3	2.4	4.5	AT3G10490	expressed protein
89	247176_at	748	0.9	1.2	1.4	435	1.4	2.4	5.2	AT5G65110	acyl-CoA oxidase (gb AAC13497.1)
90	266532_at	211	1.5	2.1	0.9	146	1.4	2.4	3.6	AT2G16890	glycosyltransferase family
91	247615_at	39	2.0	1.3	1.1	56	1.2	2.4	6.2	AT5G60250	hypothetical protein
92	248101_at	342	1.2	1.7	1.4	446	1.1	2.4	4.4	AT5G55200	chaperone GrpE-related protein
93	262626_at	2275	2.9	2.1	1.1	909	1.1	2.3	2.5	AT1G06430	FtsH protease, putative
94	245437_at	90	1.1	1.2	0.8	103	1.0	2.3	2.5	AT4G16630	DEAD/DEAH box helicase, putative
95	262118_at	835	1.1	1.2	1.1	1342	1.1	2.3	2.8	AT1G02850	glycosyl hydrolase family 1
96	250196_at	58	1.3	1.5	1.2	124	0.9	2.3	2.6	AT5G14580	polynucleotide phosphorylase
97	254869_at	54	1.1	2.7	3.1	86	0.7	2.3	21.5	AT4G11890	protein kinase family
98	265147_at	99	1.3	1.1	1.4	157	0.9	2.3	3.4	AT1G51380	eukaryotic translation initiation factor 4A (eIF-4A), putative
99	245879_at	123	1.3	1.2	1.3	157	1.0	2.3	5.5	AT5G09420	subunit of TOC complex -related
100	245052_at	732	1.0	1.0	0.9	353	1.0	2.3	11.3	AT2G26440	pectinesterase family
101	249796_at	1556	1.1	0.9	0.9	1278	1.1	2.3	2.9	AT5G23540	26S proteasome regulatory subunit (RPN11), putative
102	249494_at	358	2.0	3.3	2.4	337	1.1	2.3	8.9	AT5G39050	transferase family
103	249125_at	871	1.1	2.1	2.2	676	1.1	2.3	5.7	AT5G43450	2-oxoglutarate-dependent dioxygenase, putative
104	256854_at	249	1.1	1.3	1.1	252	1.0	2.3	2.9	AT3G15180	expressed protein

<b>105</b>	256057_at	695	1.2	1.3	1.5	152	1.4	2.3	2.7	AT1G07180	NADH dehydrogenase family
<b>106</b>	257149_at	476	1.0	1.2	1.3	770	0.8	2.3	4.4	AT3G27280	prohibitin -related
<b>107</b>	264657_at	189	0.9	0.8	1.0	236	1.0	2.3	3.0	AT1G09100	26S protease regulatory subunit 6A
<b>108</b>	264674_at	527	1.2	1.4	1.4	500	0.9	2.2	5.6	AT1G09815	expressed protein
<b>109</b>	248440_at	273	1.4	1.9	1.5	145	1.5	2.2	8.9	AT5G51260	acid phosphatase
<b>110</b>	264912_at	74	1.9	2.2	0.9	55	1.5	2.2	6.0	AT1G60750	aldo/keto reductase family
<b>111</b>	264637_at	170	1.2	1.0	1.0	240	1.2	2.2	1.8	AT1G65560	allyl alcohol dehydrogenase, putative
<b>112</b>	261192_at	278	4.2	7.7	4.7	210	1.0	2.2	10.2	AT1G32870	NAM protein -related
<b>113</b>	259751_at	2006	1.0	1.1	1.9	328	1.6	2.2	3.1	AT1G71030	myb family transcription factor
<b>114</b>	257487_at	184	1.3	1.6	1.3	155	1.0	2.2	3.3	AT1G71850	hypothetical protein
<b>115</b>	256249_at	399	1.0	0.9	1.0	395	1.2	2.2	2.1	AT3G11270	26S proteasome regulatory subunit S12 (RPN8), putative
<b>116</b>	267083_at	1812	2.0	6.3	7.6	777	1.1	2.2	11.4	AT2G41100	calmodulin-related protein 3, touch-induced (TCH3)
<b>117</b>	247989_at	1567	1.3	1.7	1.3	1528	1.1	2.2	4.3	AT5G56350	pyruvate kinase, putative
<b>118</b>	265154_at	160	1.6	1.1	1.1	162	0.7	2.2	3.5	AT1G30960	GTP-binding protein, ERG -related
<b>119</b>	254818_at	8571	1.1	1.0	1.1	3350	1.0	2.2	2.5	AT4G12470	protease inhibitor/seed storage/lipid transfer protein (LTP) family
<b>120</b>	246189_at	341	1.3	1.4	1.2	338	1.0	2.2	6.2	AT5G20910	C3HC4-type zinc finger protein family
<b>121</b>	247655_at	274	4.2	12.2	13.1	203	1.2	2.2	7.6	AT5G59820	zinc finger protein Zat12
<b>122</b>	258452_at	1943	2.2	4.0	3.1	1149	1.2	2.2	6.9	AT3G22370	alternative oxidase 1a, mitochondrial (AOX1A)
<b>123</b>	249233_at	756	1.4	1.4	1.1	598	1.0	2.2	3.6	AT5G42150	expressed protein
<b>124</b>	254593_s_at	313	1.1	0.7	0.8	256	1.1	2.2	2.5	AT4G18900	transducin / WD-40 repeat protein family
<b>125</b>	262607_at	1044	1.0	1.3	1.3	435	1.0	2.2	6.2	AT1G13990	expressed protein
<b>126</b>	250934_at	1027	1.0	1.2	1.3	1212	1.0	2.2	5.5	AT5G03030	DnaJ domain-containing protein
<b>127</b>	246122_at	524	1.3	1.7	1.2	275	1.3	2.2	2.2	AT5G20380	hypothetical protein
<b>128</b>	258996_at	214	1.2	1.3	1.7	256	1.1	2.2	3.5	AT3G01800	ribosome recycling factor -related
<b>129</b>	254447_at	917	2.0	2.4	1.9	512	1.1	2.2	5.9	AT4G20860	FAD-linked oxidoreductase family
<b>130</b>	253879_s_at	980	2.0	1.7	0.9	798	1.6	2.1	3.0	AT4G27570	glycosyltransferase family
<b>131</b>	248062_at	290	1.2	1.5	1.8	212	0.5	2.1	7.6	AT5G55450	protease inhibitor/seed storage/lipid transfer protein (LTP) family
<b>132</b>	248442_at	480	1.0	1.0	0.8	307	1.1	2.1	4.9	AT5G51280	DEAD-box protein abstrakt, putative
<b>133</b>	259297_at	72	1.6	3.3	2.6	94	1.4	2.1	12.3	AT3G05360	disease resistance protein family (LRR)
<b>134</b>	248326_at	564	1.1	1.2	0.9	514	1.0	2.1	3.5	AT5G52820	Notchless protein homolog
<b>135</b>	248462_at	934	1.2	1.1	1.0	705	1.0	2.1	4.4	AT5G50960	nucleotide-binding protein
<b>136</b>	252864_at	154	1.2	1.5	0.9	133	1.2	2.1	4.6	AT4G39740	expressed protein
<b>137</b>	249983_at	429	1.9	4.0	4.3	297	0.9	2.1	8.5	AT5G18470	expressed protein
<b>138</b>	249481_at	100	1.1	1.6	1.3	125	0.8	2.1	10.4	AT5G38900	frnE protein - like
<b>139</b>	248984_at	186	1.1	0.9	1.2	289	1.1	2.1	1.9	AT5G45140	DNA-directed RNA polymerase subunit
<b>140</b>	247851_at	5724	1.2	1.1	1.0	2464	1.1	2.1	3.1	AT5G58070	outer membrane lipo protein - like

<b>141</b>	264924_at	128	0.9	0.9	0.6	102	1.0	2.1	3.2	AT1G60620	RNA polymerase subunit
<b>142</b>	261648_at	217	2.4	21.5	34.1	159	1.2	2.1	13.0	AT1G27730	salt-tolerance zinc finger protein
<b>143</b>	264102_at	1582	2.0	1.7	0.8	423	1.4	2.1	3.4	AT1G79270	expressed protein
<b>144</b>	260266_at	238	0.8	1.0	1.8	598	1.0	2.1	1.1	AT1G68520	CONSTANS B-box zinc finger family protein
<b>145</b>	263847_at	222	1.4	1.4	0.8	251	1.3	2.1	1.5	AT2G36970	UDP-glycosyltransferase family
<b>146</b>	251503_at	153	1.2	1.1	1.1	315	1.2	2.1	1.3	AT3G59140	ABC transporter family protein
<b>147</b>	262943_at	350	1.1	0.7	0.6	256	0.9	2.1	2.4	AT1G79470	inosine-5'-monophosphate dehydrogenase
<b>148</b>	265290_at	150	1.6	1.2	0.7	78	1.4	2.1	5.7	AT2G22590	glycosyltransferase family
<b>149</b>	251984_at	1141	1.8	1.8	1.7	842	1.3	2.1	1.5	AT3G53260	phenylalanine ammonia-lyase (PAL2)
<b>150</b>	255278_at	202	1.2	1.0	0.9	270	0.8	2.1	2.5	AT4G04940	transducin / WD-40 repeat protein family
<b>151</b>	259561_at	132	2.4	4.0	2.1	107	0.8	2.1	21.0	AT1G21250	wall-associated kinase 1
<b>152</b>	267523_at	1603	1.0	1.2	1.6	599	1.4	2.1	2.5	AT2G30600	POZ domain protein family
<b>153</b>	245885_at	1357	1.2	1.2	0.9	982	1.1	2.1	4.7	AT5G09440	expressed protein
<b>154</b>	265387_at	205	1.3	2.4	2.5	108	1.2	2.0	4.3	AT2G20670	expressed protein
<b>155</b>	246302_at	230	0.9	1.5	1.6	828	1.1	2.0	3.5	AT3G51860	cation exchanger, putative (CAX3)
<b>156</b>	265259_at	510	1.0	1.1	1.0	411	1.1	2.0	3.9	AT2G20330	transducin / WD-40 repeat protein family
<b>157</b>	250502_at	1214	1.3	0.8	0.7	1216	0.9	2.0	3.0	AT5G09590	heat shock protein mtHsc70-2 (Hsc70-5)
<b>158</b>	250971_at	2196	1.1	0.8	0.9	220	1.2	2.0	3.9	AT5G02810	pseudo-response regulator, APRR7 (APRR1/TOC1 family)
<b>159</b>	252946_at	207	1.0	1.1	1.2	140	1.2	2.0	2.5	AT4G39235	expressed protein
<b>160</b>	248910_at	1272	2.5	1.3	1.4	80	1.4	2.0	5.5	AT5G45820	CBL-interacting protein kinase 20
<b>161</b>	258957_at	1415	1.2	1.3	0.6	1009	1.1	2.0	2.2	AT3G01420	feebly-related protein
<b>162</b>	263268_at	49	2.3	3.0	2.6	104	0.9	2.0	0.9	AT2G16590	expressed protein
<b>163</b>	255543_at	1163	1.4	3.7	3.0	839	0.9	2.0	6.9	AT4G01870	expressed protein
<b>164</b>	259037_at	876	1.1	0.8	0.6	318	1.2	2.0	5.3	AT3G09350	expressed protein
<b>165</b>	266471_at	412	1.0	0.9	0.9	581	1.0	2.0	2.3	AT2G31060	GTP-binding protein -related

Fold induction for 305-1h is averaged from four independent ATH-1 array hybridizations, all others from two independent array hybridizations. Applied threshold is 2-fold. Annotation June 15, 2003.