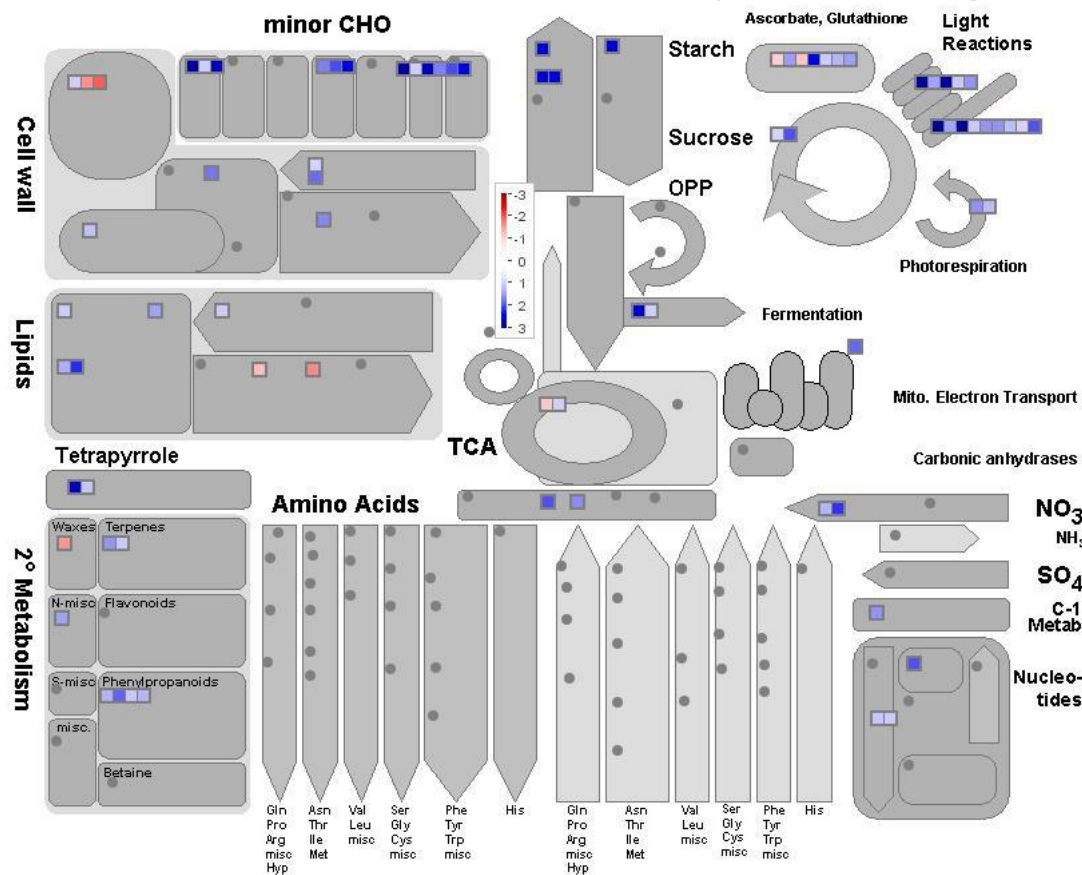
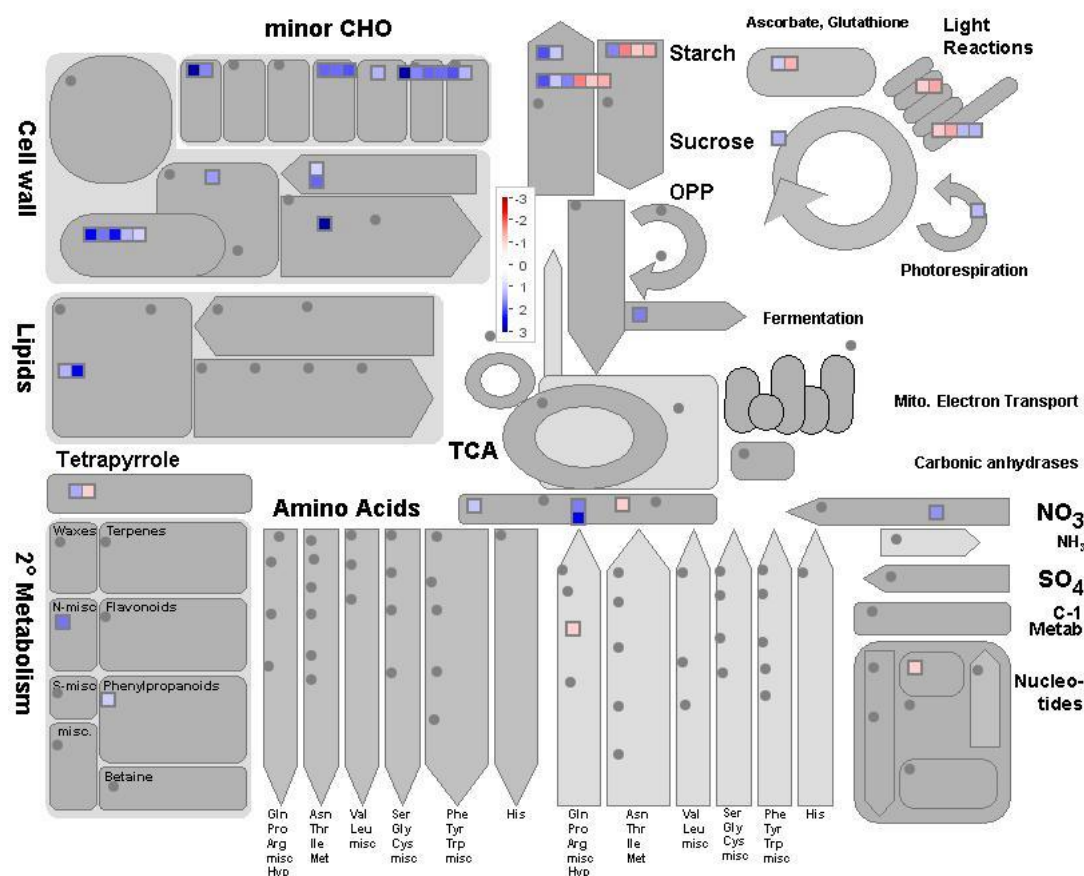


Metabolic Overview: Only Cold/Light



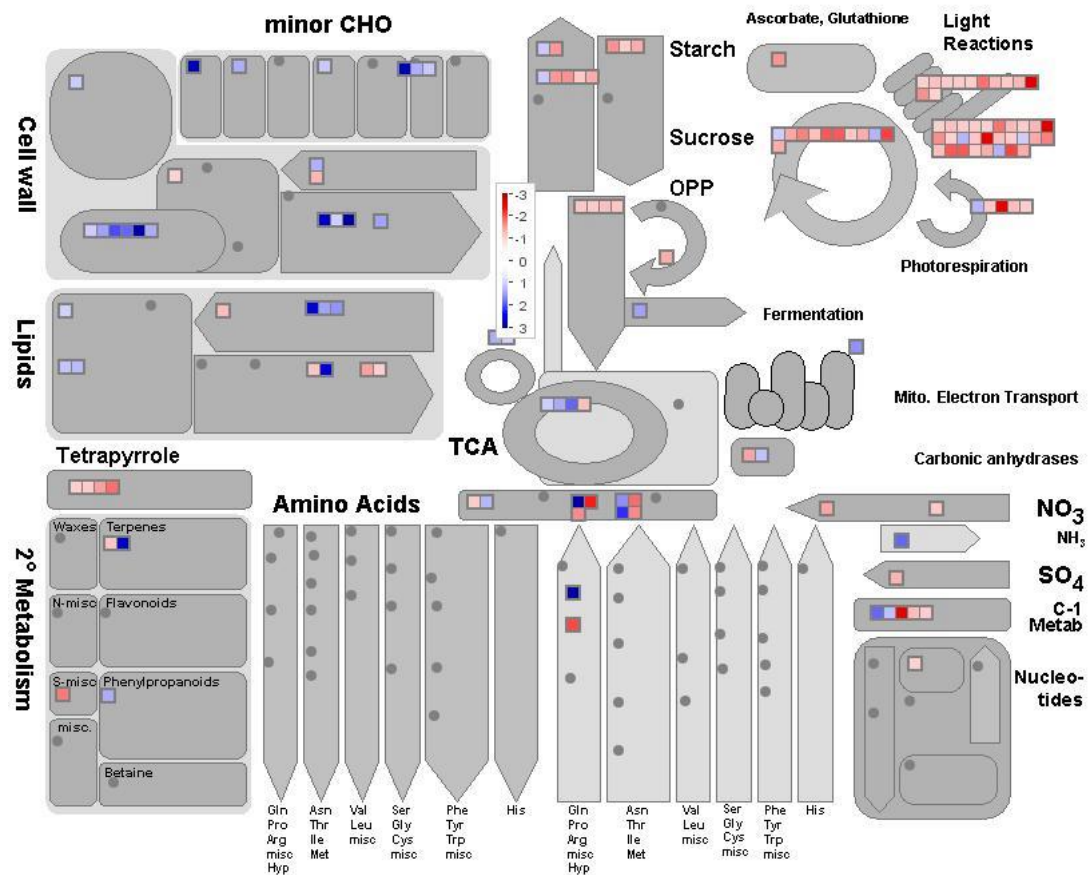
Wilcoxon Rank Sum Test Log					
Correction: Benjamini Hochberg corrected					
Bin	Elements	Probability	Present		
10.8	cell wall.pectin*esterases	0.67	shown		
3	minor CHO metabolism	0.67	shown		
2	major CHO metabolism	0.67	shown		
3.4	minor CHO metabolism.myo-inositol	0.67	shown		
11.9.3	lipid metabolism.lipid degradation.lysophospholipases	0.67	shown		
16.7	secondary metabolism.wax	0.67	shown		
1.1	PS.lightreaction	0.67	shown		
8.1	TCA / org. transformation.TCA	0.67	shown		
2.1.2	major CHO metabolism.synthesis.starch	0.67	shown		
3.1	minor CHO metabolism.raffinose family	0.67	shown		
2.2.2	major CHO metabolism.degradation.starch	0.67	shown		
11.9.2	lipid metabolism.lipid degradation.lipases	0.71	shown		
1	PS	0.71	shown		
13.1.2	amino acid metabolism.synthesis.glutamate family	0.73	shown		
23.3	nucleotide metabolism.salvage	0.73	shown		
11.8	lipid metabolism.'exotics' (steroids, squalene etc)	0.77	shown		
9	mitochondrial electron transport / ATP synthesis	0.77	shown		
11.3	lipid metabolism.Phospholipid synthesis	0.77	shown		
12.2	N-metabolism.ammonia metabolism	0.77	shown		
23.1.2	nucleotide metabolism.synthesis.purine	0.77	shown		
10.2	cell wall.cellulose synthesis	0.77	shown		
19	tetrapyrrole synthesis	0.79	shown		
11.2	lipid metabolism.FA desaturation	0.82	shown		
10.6.2	cell wall.degradation.mannan-xylose-arabinose-fucose	0.86	shown		
13.1.3	amino acid metabolism.synthesis.aspartate family	0.86	shown		
21.2	redox.ascorbate and glutathione	0.89	shown		
25	C1-metabolism	0.89	shown		
5	fermentation	0.91	shown		
10.7	cell wall.modification	0.91	shown		
16.4	secondary metabolism.N misc	0.94	shown		
11.4	lipid metabolism.TAG synthesis	0.95	shown		
16.2	secondary metabolism.phenylpropanoids	0.95	shown		
16.1	secondary metabolism.isoprenoids	0.96	shown		
1.2	PS.photorespiration	0.96	shown		
10.1	cell wall.precursor synthesis	0.97	shown		
1.3	PS.calvin cycle	0.98	shown		

Metabolic Overview: Only Cold/Dark



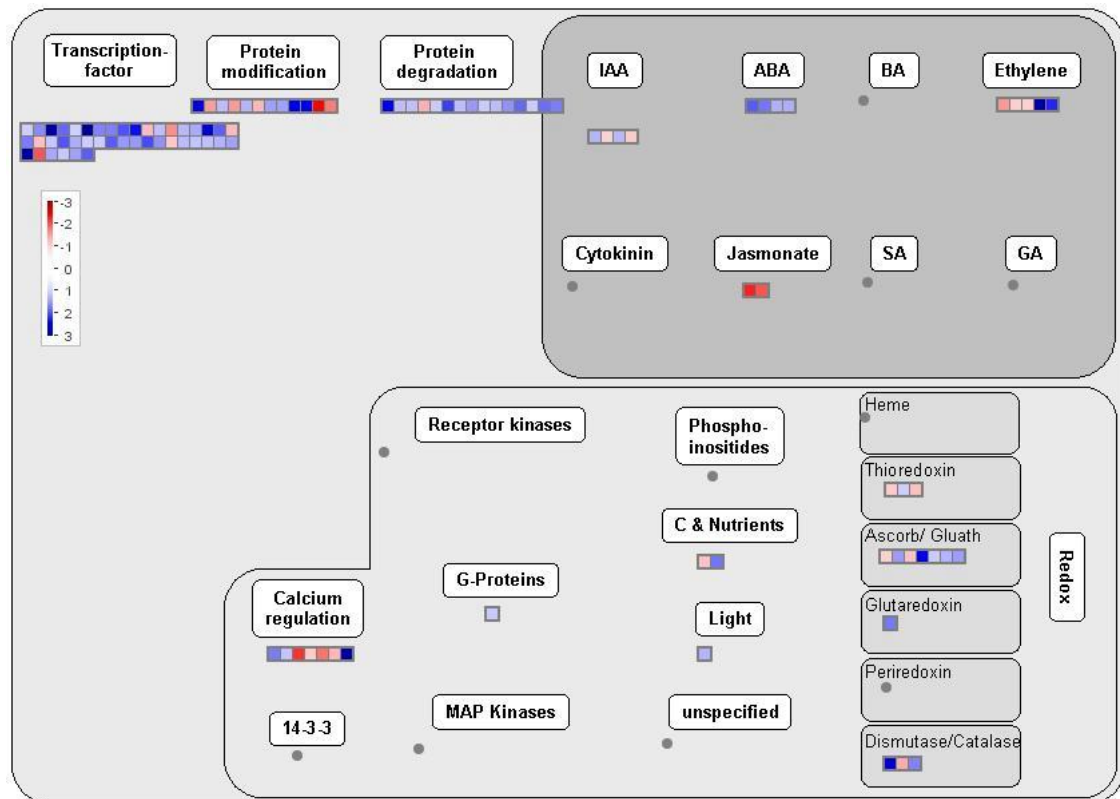
Wilcoxon Rank Sum Test Log					
Correction: Benjamini Hochberg corrected					
Bin		Elements		Probability	Present
3	minor CHO metabolism	6		0,61	shown
1.1	PS.lightreaction	2		0,61	shown
2.2.2	major CHO metabolism.degradation.starch	4		0,61	shown
3.4	minor CHO metabolism.myo-inositol	3		0,61	shown
10.6.2	cell wall.degradation.mannan-xylose-arabinose-fucose	1		0,61	shown
21.2	redox.ascorbate and glutathione	2		0,61	shown
1	PS	4		0,61	shown
3.1	minor CHO metabolism.raffinose family	2		0,61	shown
13.1.3	amino acid metabolism.synthesis.aspartate family	2		0,61	shown
2	major CHO metabolism	6		0,61	shown
13.2.3.2	amino acid metabolism.degradation.aspartate family.thr...	1		0,61	shown
23.3	nucleotide metabolism.salvage	1		0,61	shown
13.1.4	amino acid metabolism.synthesis.branched chain group	1		0,61	shown
10.7	cell wall.modification	5		0,61	shown
11.8	lipid metabolism.'exotics' (steroids, squalene etc)	2		0,69	shown
16.2	secondary metabolism.phenylpropanoids	1		0,73	shown
19	tetrapyrrole synthesis	2		0,74	shown
16.4	secondary metabolism.N misc	1		0,74	shown
5	fermentation	1		0,79	shown
13.1.1	amino acid metabolism.synthesis.central amino acid m...	1		0,79	shown
2.1.2	major CHO metabolism.synthesis.starch	2		0,92	shown
1.2	PS.photorespiration	1		0,94	shown
12.1	N-metabolism.nitrate metabolism	1		0,94	shown
1.3	PS.calvin cyle	1		0,97	shown
3.5	minor CHO metabolism.others	1		0,97	shown
10.2	cell wall.cellulose synthesis	1		0,99	shown
10.1	cell wall.precursor synthesis	2		0,99	shown

Metabolic Overview: Dark



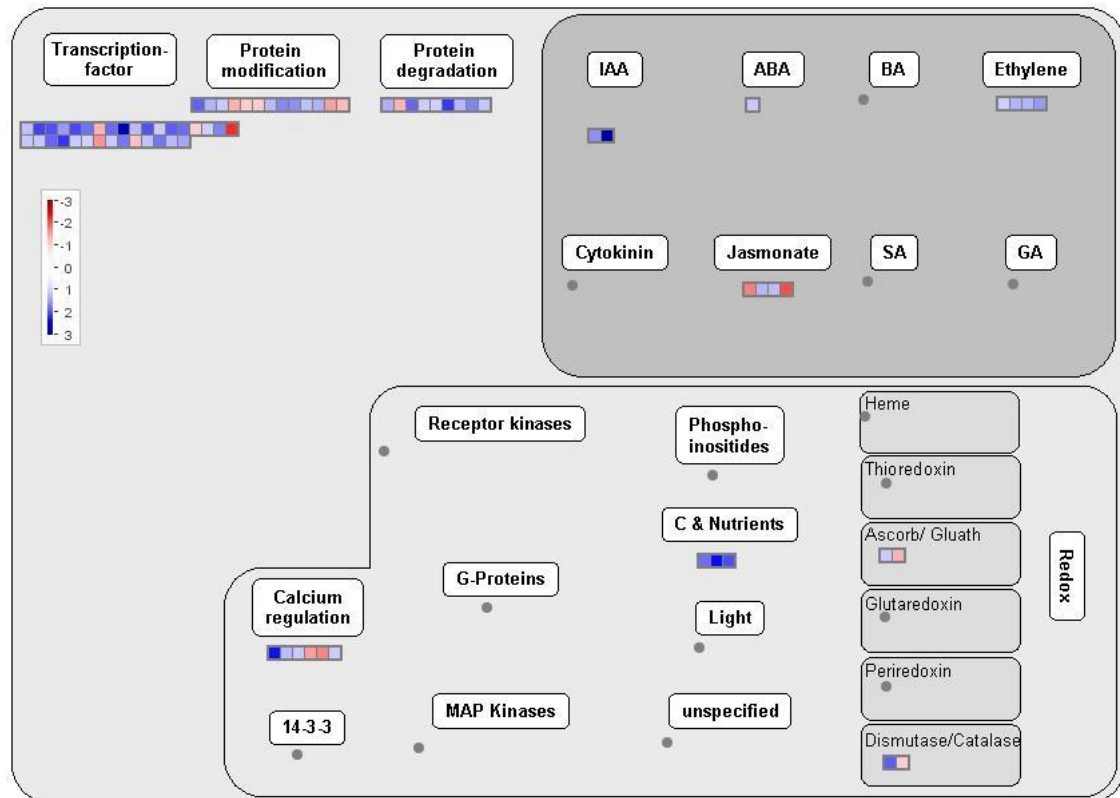
Wilcoxon Rank Sum Test Log					
Correction: Benjamini Hochberg corrected					
Bin	Elements	Probability	Present		
10.7	cell wall.modification	0.39	shown		
11.1	lipid metabolism.FA synthesis and FA elongation	0.48	shown		
10.6.2	cell wall.degradation.mannan-xylose-arabinose-fucose	0.48	shown		
2	major CHO metabolism	0.48	shown		
19	tetrapyrrole synthesis	0.48	shown		
13.2.2.2	amino acid metabolism.degradation.glutamate family.pr...	0.48	shown		
2.2.2	major CHO metabolism.degradation.starch	0.48	shown		
3.1	minor CHO metabolism.raffinose family	0.48	shown		
13.2.3.2	amino acid metabolism.degradation.aspartate family.thr...	0.48	shown		
3	minor CHO metabolism	0.51	shown		
16.5	secondary metabolism.sulfur-containing	0.51	shown		
4	glycolysis	0.51	shown		
1.2	PS.photorespiration	0.51	shown		
21.2	redox.ascorbate and glutathione	0.54	shown		
12.3	N-metabolism.N-degradation	0.54	shown		
11.9.4	lipid metabolism.lipid degradation.beta-oxidation	0.58	shown		
12.2	N-metabolism.ammonia metabolism	0.58	shown		
7.2	OPP.non-reductive PP	0.62	shown		
14	S-assimilation	0.65	shown		
9	mitochondrial electron transport / ATP synthesis	0.67	shown		
11.2	lipid metabolism.FA desaturation	0.73	shown		
2.1.2	major CHO metabolism.synthesis.starch	0.73	shown		
5	fermentation	0.73	shown		
10.6.3	cell wall.degradation.pectate lyases and polygalacturon...	0.73	shown		
16.2	secondary metabolism.phenylpropanoids	0.75	shown		
13.1.3	amino acid metabolism.synthesis.aspartate family	0.75	shown		
3.2	minor CHO metabolism.trehalose	0.75	shown		
16.1	secondary metabolism.isoprenoids	0.75	shown		
25	C1-metabolism	0.75	shown		
8.3	TCA / org. transformation.carbonic anhydrases	0.75	shown		
11.9.3	lipid metabolism.lipid degradation.lysophospholipases	0.75	shown		
12.1	N-metabolism.nitrate metabolism	0.75	shown		
8.1	TCA / org. transformation.TCA	0.77	shown		
11.8	lipid metabolism.'exotics' (steroids, squalene etc)	0.81	shown		
6	gluconeogenesis/ glyoxylate cycle	0.86	shown		
10.3	cell wall.hemicellulose synthesis	0.88	shown		
23.3	nucleotide metabolism.salvage	0.88	shown		
11.3	lipid metabolism.Phospholipid synthesis	0.89	shown		
10.1	cell wall.precursor synthesis	0.89	shown		
13.1.4	amino acid metabolism.synthesis.branched chain group	0.91	shown		
3.4	minor CHO metabolism.myo-inositol	0.96	shown		
13.1.1	amino acid metabolism.synthesis.central amino acid m...	0.99	shown		
10.8	cell wall.pectin*esterases	1.00	shown		

Regulation Overview: Only Cold/Light



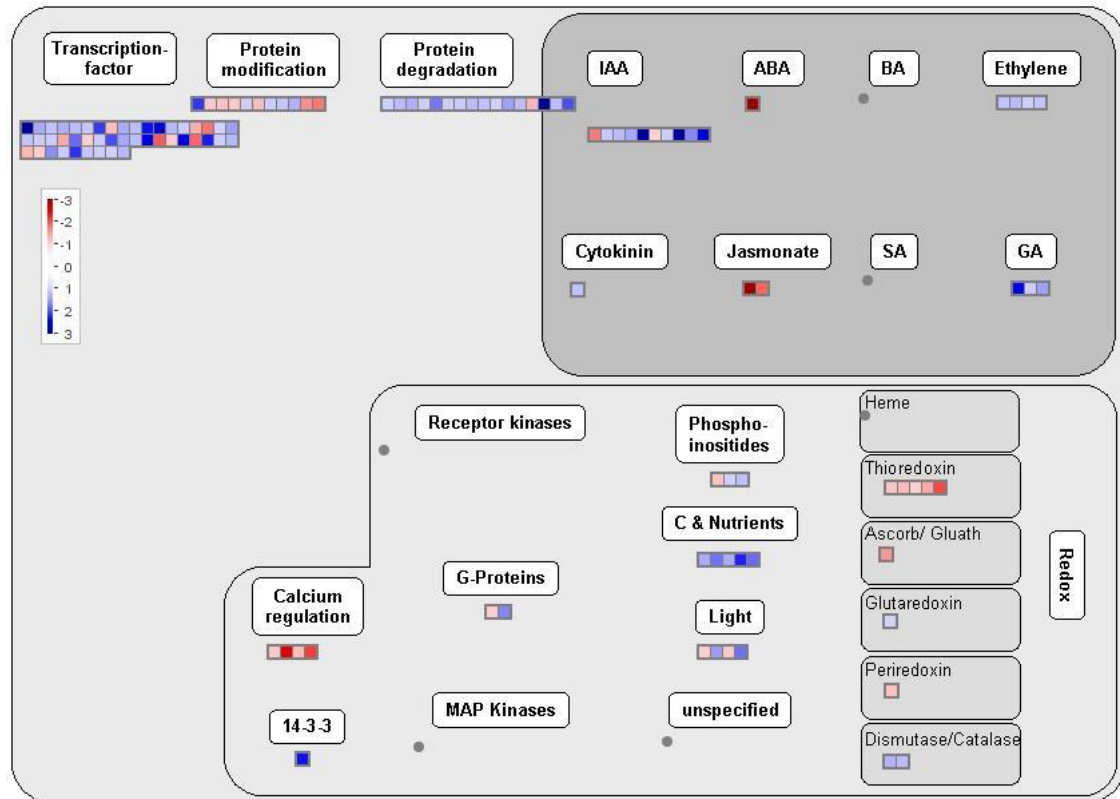
Wilcoxon Rank Sum Test Log				
Correction: Benjamini Hochberg corrected				
Bin	Elements	Probability	Present	
17.7	hormone metabolism.jasmonate	0.67	shown	
21.1	redox.thioredoxin	0.67	shown	
30.3	signalling.calcium	0.67	shown	
17.2	hormone metabolism.auxin	0.71	shown	
29.4	protein.posttranslational modification	0.73	shown	
17.1	hormone metabolism.abscisic acid	0.77	shown	
27.3	RNA.regulation of transcription	0.77	shown	
21.4	redox.glutaredoxins	0.80	shown	
30.5	signalling.G-proteins	0.86	shown	
21.2	redox.ascorbate and glutathione	0.89	shown	
21.6	redox.dismutases and catalases	0.91	shown	
30.1	signalling.in sugar and nutrient physiology	0.91	shown	
17.5	hormone metabolism.ethylene	0.91	shown	
29.5	protein degradation	0.91	shown	
30.11	signalling.light	0.98	shown	
10.8	cell wall.pectin*esterases	0.67		

Regulation Overview: Only Cold/Dark



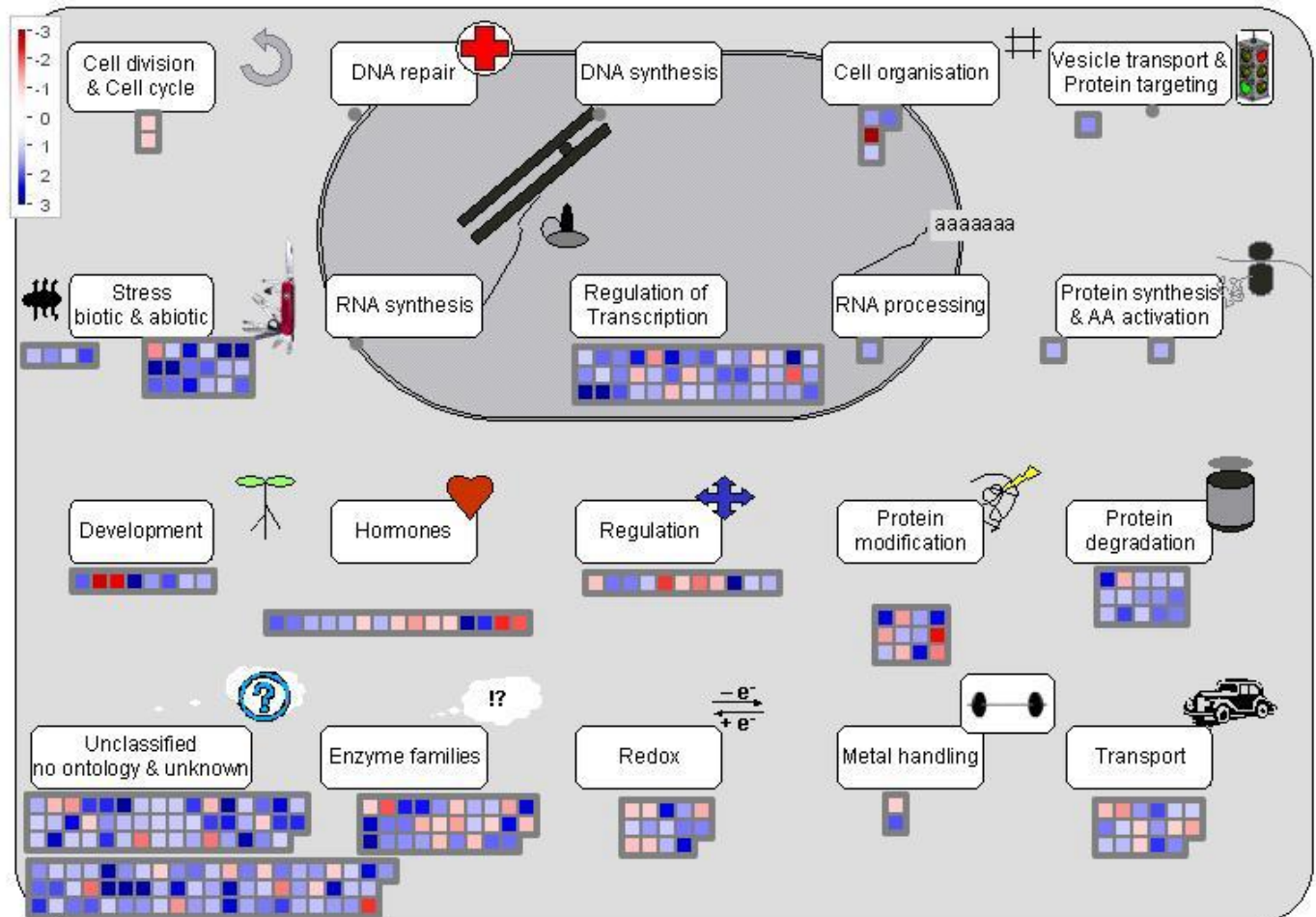
Wilcoxon Rank Sum Test Log				
Correction: Benjamini Hochberg corrected				
Bin	Elements	Probability	Present	
30.1	signalling.in sugar and nutrient ph...	0.61	shown	
17.7	hormone metabolism.jasmonate	0.61	shown	
29.4	protein.posttranslational modification	0.61	shown	
21.2	redox.ascorbate and glutathione	0.61	shown	
30.3	signalling.calcium	0.61	shown	
17.2	hormone metabolism.auxin	0.61	shown	
17.1	hormone metabolism.abscisic acid	0.74	shown	
17.5	hormone metabolism.ethylene	0.79	shown	
29.5	protein degradation	0.88	shown	
21.6	redox.dismutases and catalases	0.99	shown	
27.3	RNA.regulation of transcription	0.99	shown	

Regulation Overview: Dark



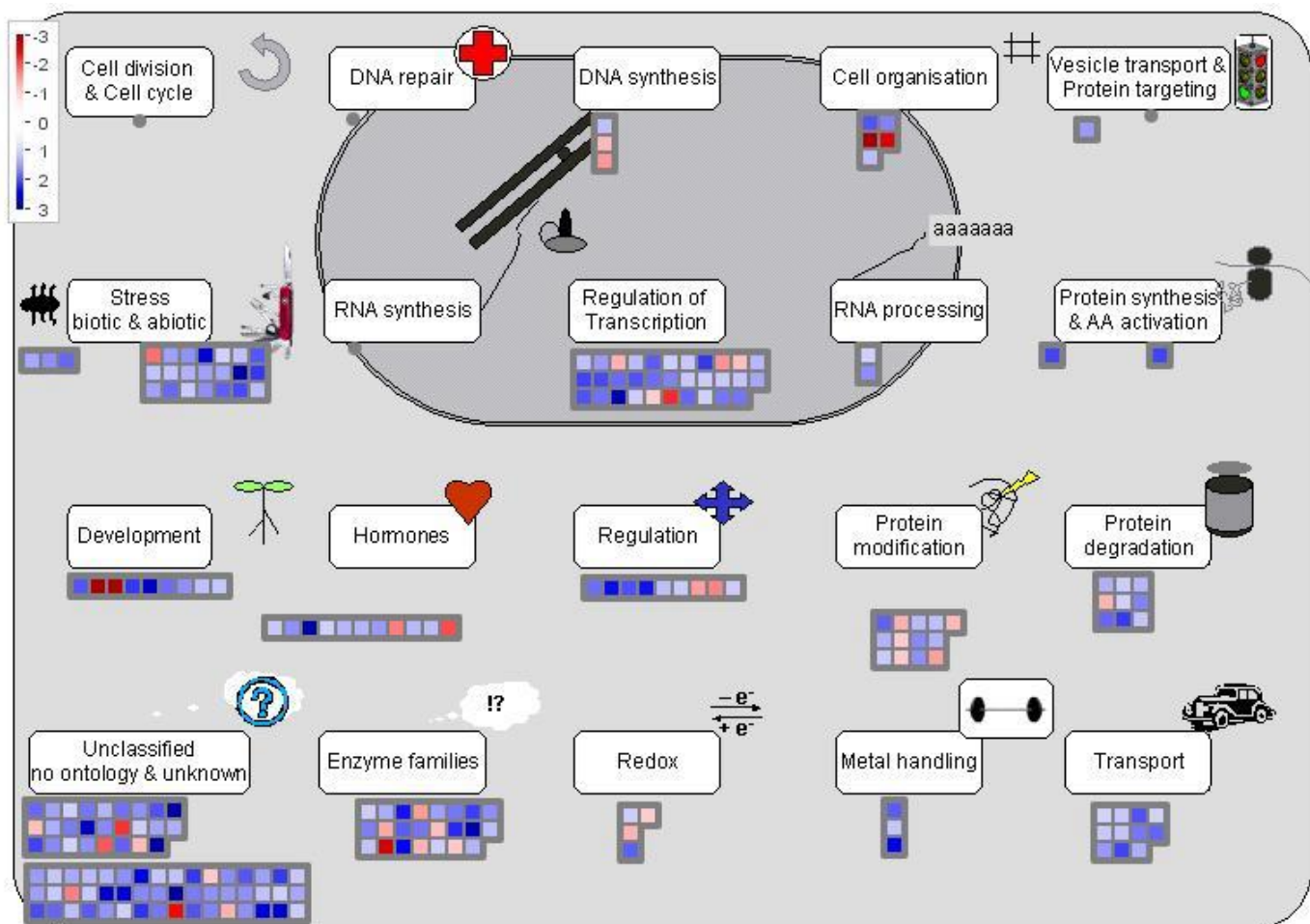
Wilcoxon Rank Sum Test Log					
Correction: Benjamini Hochberg corrected					
Bin	Elements	Probability	Present		
30.1	signalling.in sugar and nutrient ph...	5	0,39	shown	
30.3	signalling.calcium	4	0,39	shown	
17.7	hormone metabolism.jasmonate	2	0,39	shown	
21.1	redox.thioredoxin	5	0,48	shown	
27.3	RNA.regulation of transcription	45	0,48	shown	
17.2	hormone metabolism.auxin	10	0,48	shown	
17.1	hormone metabolism.abscisic acid	1	0,48	shown	
29.5	protein degradation	16	0,48	shown	
30.7	signalling.14-3-3 proteins	1	0,48	shown	
17.6	hormone metabolism.gibberelin	3	0,52	shown	
21.2	redox.ascorbate and glutathione	1	0,54	shown	
29.4	protein.postranslational modification	11	0,62	shown	
21.5	redox.peroxiredoxins	1	0,74	shown	
21.6	redox.dismutases and catalases	2	0,75	shown	
30.11	signalling.light	4	0,78	shown	
30.5	signalling.G-proteins	2	0,84	shown	
17.5	hormone metabolism.ethylene	4	0,84	shown	
30.4	signalling.phosphoinositides	3	0,86	shown	
17.4	hormone metabolism.cytokinin	1	0,88	shown	
21.4	redox.glutaredoxins	1	0,88	shown	

Cellular Function Overview: Only Cold/Light



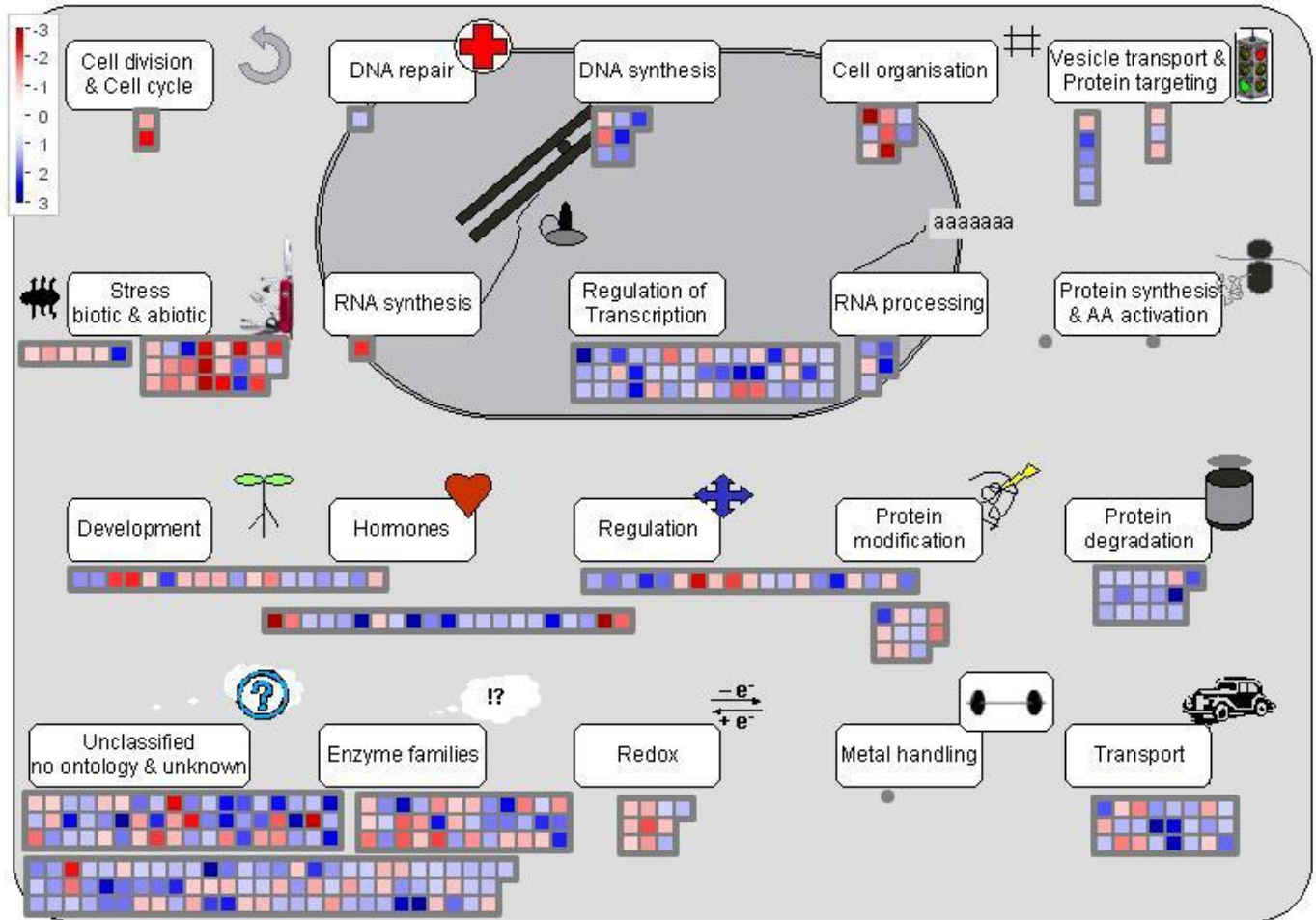
Wilcoxon Rank Sum Test Log					
Correction: Benjamini Hochberg corrected					
Bin	Elements	Probability	Present		
20.2	stress.abiotic	0.67	shown	18	
30	signalling	0.67	shown	11	
31.3	cell.cycle	0.67	shown	2	
34	transport	0.67	shown	17	
17	hormone.metabolism	0.71	shown	15	
35.2	not.assigned.unknown	0.73	shown	61	
29.4	protein.posttranslational.modification	0.73	shown	12	
21	redox.regulation	0.77	shown	14	
27.3	RNA.regulation.of.transcription	0.77	shown	42	
31.1	cell.organisation	0.86	shown	4	
31.4	cell.vesicle.transport	0.89	shown	1	
20.1	stress.biotic	0.91	shown	4	
29.5	protein.degradation	0.91	shown	15	
26	misc	0.94	shown	29	
27.1	RNA.processing	0.96	shown	1	
33	development	0.96	shown	8	
35.1	not.assigned.no.ontology	0.97	shown	47	
15	metal.handling	0.97	shown	2	
29.1	protein.aa.activation	0.98	shown	1	

Cellular Function Overview: Only Cold/Dark



Wilcoxon Rank Sum Test Log				
Correction: Benjamini Hochberg corrected				
Bin		Elements	Probability	Present
35.2	not assigned.unknown	48	0.61	shown
28.1	DNA.synthesis/chromatin structure	3	0.61	shown
29.4	protein.posttranslational modification	13	0.61	shown
29.1	protein.aa activation	1	0.61	shown
21	redox.regulation	4	0.61	shown
17	hormone metabolism	11	0.61	shown
15	metal handling	3	0.61	shown
20.2	stress.abiotic	21	0.68	shown
31.1	cell.organisation	5	0.70	shown
35.1	not assigned.no ontology	26	0.74	shown
20.1	stress.biotic	3	0.74	shown
29.5	protein.degradation	9	0.88	shown
27.1	RNA.processing	2	0.89	shown
33	development	9	0.94	shown
31.4	cell.vesicle transport	1	0.98	shown
26	misc	23	0.99	shown
30	signalling	9	0.99	shown
27.3	RNA.regulation of transcription	32	0.99	shown
34	transport	11	0.99	shown

Cellular Function Overview: Dark



Wilcoxon Rank Sum Test Log					
Correction: Benjamini Hochberg corrected					
Bin	Elements	Probability	Present		
20.2	stress.abiotic	23	1.75E-2	shown	
35.2	not assigned.unknown	82	0.39	shown	
31.3	cell.cycle	2	0.48	shown	
21	redox.regulation	10	0.48	shown	
27.3	RNA.regulation of transcription	45	0.48	shown	
31.1	cell.organisation	8	0.48	shown	
29.5	protein.degradation	16	0.48	shown	
35.1	not assigned.no ontology	54	0.48	shown	
27.2	RNA.transcription	1	0.48	shown	
27.1	RNA.processing	5	0.48	shown	
28.1	DNA.synthesis/chromatin structure	7	0.52	shown	
31.4	cell.vesicle transport	5	0.54	shown	
29.4	protein.posttranslational modification	11	0.62	shown	
34	transport	24	0.65	shown	
17	hormone metabolism	21	0.73	shown	
30	signalling	19	0.75	shown	
29.3	protein.targeting	3	0.75	shown	
33	development	18	0.77	shown	
20.1	stress.biotic	6	0.81	shown	
26	misc	36	0.86	shown	
28.2	DNA.repair	1	0.89	shown	