

**Supplemental Table 2.**

Number of Genes differentially regulated	15 min	30 min	1 h	3 h
total	132	279	371	172
annotated GO Biological Process	70 (53.0%)	137 (49.1%)	171 (46.1%)	86 (50.0%)
annotated FunCat	69 (52.3%)	167 (59.9%)	223 (60.1%)	93 (54.1%)
annotated KEGG	16 (12.1%)	60 (21.5%)	77 (20.8%)	33 (19.2%)