

Additional File 8: GO-term enrichment for genes affected by PI3K overexpression

Biological process (GO terms – level 4 category)	Percentage of upregulated genes	Percentage of downregulated genes
GO:0044260 carbohydrate metabolic process	42.44	32.47
GO:0019538 protein metabolic process	37.21	29.87
GO:0006091 generation of precursor metabolites and energy	26.74	14.29
GO:0044249 cellular biosynthetic process	19.19	12.99
GO:0043283 biopolymer metabolic process	18.6	22.08
GO:0009308 amine metabolic process	16.86	7.79
GO:0006139 nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	16.28	12.99
GO:0006082 organic acid metabolic process	13.95	6.49
GO:0005975 carbohydrate metabolic process	12.79	7.79
GO:0006810 transport	11.63	10.39
GO:0006519 amino acid and derivative metabolic process	11.63	5.19
GO:0044248 cellular catabolic process	6.4	5.19
GO:0006629 lipid metabolic process	5.23	6.49