

Table S2

GO category	Found frequency	Expected frequency	p value
2n x 4n upregulated genes			
endomembrane system	80	40.80699	1.03E-08
hydrolase activity, hydrolyzing O-glycosyl compounds	15	2.486538	1.21E-07
carbohydrate metabolic process	17	4.99832	8.48E-05
carboxylesterase activity	8	1.628241	0.001015
2n x <i>jas</i> upregulated genes			
endomembrane system	28	7.632963	1.89E-10
hydrolase activity, hydrolyzing O-glycosyl compounds	6	0.465108	1.10E-05
carbohydrate metabolic process	7	0.934938	0.000107
<i>fis2</i> x <i>fis2</i> upregulated genes			
endomembrane system	40	13.94484	5.52E-10
hydrolase activity, hydrolyzing O-glycosyl compounds	5	0.849716	0.005737
carbohydrate metabolic process	7	1.708059	0.00828
2n x 4n downregulated genes			
regulation of cell cycle	9	0.803178207	1.79E-07
cyclin-dependent protein kinase regulator activity	6	0.302837684	3.47E-07
acyl carrier activity	3	0.171169126	0.000490423
microtubule motor activity	6	0.987514188	0.001466402
phragmoplast	6	1.000681044	0.001586177
polarity specification of adaxial/abaxial axis	3	0.263337117	0.002903381
microtubule associated complex	5	0.829511918	0.004009816