

Table S1. Duplicates do not relocalize significantly more frequently than singletons in any Gene Ontology (GO) category.

	GO ¹	Term	One-to-one orthologs		One-to-two orthologs		P value ²
			# of genes in the category	Average # of localization differences per gene	# of genes in the category	Average # of localization differences per gene	
Molecular function	GO:0016787	hydrolase activity	204	0.81	32	0.78	0.86
	GO:0016740	transferase activity	182	0.70	43	0.86	0.45
Biological process	GO:0006996	organelle organization	327	0.93	38	0.61	0.17
	GO:0006950	response to stress	144	0.74	30	1.17	0.06
	GO:0016070	RNA metabolic process	343	0.77	36	0.61	0.45
	GO:0006810	transport	194	1.42	46	1.00	0.07

¹ GO categories with at least 30 cases of one-to-one orthologs and 30 cases of one-to-two orthologs are analyzed.

² Based on chi-square test.