

Supplemental Table S9. GO enrichment analysis in different comparisons.

Category	GO_ID	Term	Corrected P-value			Functional category
Enriched in:			DT vs ED	DT vs LD	DT vs PD	
GO: Cellular Component	GO:0005737	cytoplasm	3.47e-10	5.13e-07	5.01e-09	Metabolic process
GO: Cellular Component	GO:0044444	cytoplasmic part	9.24e-10	4.91e-07	5.47e-09	Metabolic process
GO: Cellular Component	GO:0044424	intracellular part	5.77e-05	0.00068	0.00101	Metabolic process
GO: Cellular Component	GO:0005622	intracellular	0.00011	0.00130	0.00332	Metabolic process
GO: Cellular Component	GO:0000267	cell fraction	0.00025	0.00024	0.00020	Metabolic process
GO: Cellular Component	GO:0043226	organelle	0.00066	0.00122	0.00732	Metabolic process
GO: Cellular Component	GO:0043229	intracellular organelle	0.00068	0.00428	0.00816	Metabolic process
GO: Cellular Component	GO:0005626	insoluble fraction	0.00107	0.00639	0.00140	Metabolic process
GO: Cellular Component	GO:0043227	membrane-bounded organelle	0.00242	0.00028	0.00327	Metabolic process
GO: Cellular Component	GO:0005783	endoplasmic reticulum	0.00381	8.63e-06	–	Metabolic process
GO: Cellular Component	GO:0043231	intracellular membrane-bounded organelle	0.00989	0.00068	0.00977	Metabolic process
GO: Cellular Component	GO:0044422	organelle part	0.01795	0.00657	–	Metabolic process
GO: Cellular Component	GO:0044432	endoplasmic reticulum part	0.02617	5.38e-05	–	Metabolic process
GO: Cellular Component	GO:0005840	ribosome	0.03243	–	0.00022	Metabolic process
GO: Cellular Component	GO:0005789	endoplasmic reticulum membrane	0.03340	0.00044	–	Metabolic process
GO: Cellular Component	GO:0031090	organelle membrane	0.04373	0.00082	0.02375	Metabolic process
GO: Cellular Component	GO:0032991	macromolecular complex	–	0.00533	0.00124	Metabolic process
GO: Cellular Component	GO:0005840	ribosome subunit	–	–	0.00300	Metabolic process
GO: Cellular Component	GO:0015934	large ribosomal subunit	–	–	0.00377	Metabolic process
GO: Cellular Component	GO:0030529	ribonucleoprotein complex	–	–	0.00929	Metabolic process
GO: Cellular Component	GO:0005773	vacuole	–	–	0.04877	Metabolic process
GO: Cellular Component	GO:0042175	nuclear outer membrane-endoplasmic reticulum membrane network	–	0.00105	–	Metabolic process

GO: Cellular Component	GO:0000502	proteasome complex	-	0.01954	-	Metabolic process
GO: Molecular Function	GO:0017016	Ras GTPase binding	0.01667	-	-	Protein binding
GO: Molecular Function	GO:0031267	small GTPase binding	0.01667	-	-	Protein binding
GO: Molecular Function	GO:0051020	GTPase binding	0.01667	-	-	Protein binding
GO: Molecular Function	GO:0005198	structural molecule activity	-	-	0.01927	Stress response
GO: Biological Process	GO:0006412	translation	0.00031	-	0.00260	Metabolic process
GO: Biological Process	GO:0010033	response to organic substance	0.00887	0.00576	0.00107	Stress response
GO: Biological Process	GO:0009058	biosynthetic process	0.01345	-	-	Metabolic process
GO: Biological Process	GO:0009719	response to endogenous stimulus	0.03044	0.02144	0.00596	Stress response
GO: Biological Process	GO:0007249	I-kappaB kinase/NF-kappaB cascade	-	-	0.00759	Signal transduction
GO: Biological Process	GO:0043066	negative regulation of apoptotic process	-	-	0.04376	Cellular process
GO: Biological Process	GO:0042981	regulation of apoptotic process	-	-	0.04499	Cellular process
GO: Biological Process	GO:0008152	metabolic process	-	0.02149	-	Metabolic process
GO: Biological Process	GO:0006461	protein complex assembly	-	0.02505	-	Metabolic process
GO: Biological Process	GO:0070271	protein complex biogenesis	-	0.02505	-	Metabolic process
Category	GO_ID	Term	Corrected P-value		Functional category	
Enriched in:			PD vs ED			
GO: Cellular Component	GO:0005783	endoplasmic reticulum	0.01001		Metabolic process	
GO: Cellular Component	GO:0005737	cytoplasm	0.04988		Metabolic process	
Enriched in:			LD vs ED			
GO: Cellular Component	GO:0000502	proteasome complex	0.00808		Metabolic process	
GO: Cellular Component	GO:0031975	envelope	0.02815		Metabolic process	
Enriched in:			PD vs LD			
GO: Cellular Component	GO:0005783	endoplasmic reticulum	0.00091		Metabolic process	
GO: Cellular Component	GO:0044432	endoplasmic reticulum part	0.01896		Metabolic process	
GO: Cellular Component	GO:0000178	exosome (RNase complex)	0.03555		Metabolic process	