

Appendix. 7. Genes significantly altered in relation to the total number expressed in the Gene Ontology categories in the HSV-1 latent rabbit trigeminal ganglia.

Biologic Process	Genes significantly altered		Genes expressed in this category	Percentage of genes upregulated	Search Item
	up- regulated	down-regulated			
Protein Biosynthesis; ribosomal	23	0	152	23/152 (15.1%)	“GO:0006412; protein biosynthesis,GO:0006413; translational initiation, GO:0006446; regulation of translational initiation, GO:0007046; ribosome biogenesis “””
Protein Biosynthesis; translation	4	6	152	4/152 (2.60%)	
Protein Transport	8	2	33	8/33 (24.2%)	GO:0015031; protein transport
Protein Folding	4	11	38	4/38 (10.1%)	“GO:0006457; protein folding, GO:0006986; response to unfolded protein”
Protein Modification	7	8	69	7/69 (10.10%)	“GO:0006464; protein modification, GO:0006468;protein amino acid phosphorylation, GO:0006487; N-linked glycosylation”
Proteolysis and peptidolysis	5	12	71	5/71 (7.0%)	“GO:0006508; proteolysis and peptidolysis, GO:0006512; ubiquitin cycle”
Carbohydrate and energy metabolism; glycolysis	1	8	121	1/121 (0.8%)	“GO:0006096; glycolysis,GO:0006094; gluconeogenesis, GO:0006099; tricarboxylic acid cycle,GO:0006118; electron transport, GO:0015992; proton transport, GO:0015986;ATP synthesis coupled proton transport “
Carbohydrate and	5	18	121	5/121 (4.1%)	

energy metabolism; electron transport					
Carbohydrate and energy metabolism; proton transport	0	7	121	0/121 (0%)	
Cell Adhesion	3	8	43	3/43 (7.9%)	GO:0007155; cell adhesion
Apoptosis	7	4	42	4/42 (16.7%)	“GO:0006915; apoptosis, GO:0006916; anti-apoptosis, GO:0006917; induction of apoptosis, GO:0042981; regulation of apoptosis “
Immune response	7	2	39	7/39 (17.90%)	“GO:0006955; immune response, GO:0006959; humoral immune response “
Defense related	5	3	24	5/24 (20.80%)	“GO:0006952; defense response, GO:0006953; acute-phase response, GO:0009613; response to pest, pathogen or parasite, GO:0019735; antimicrobial humoral response, GO:0045087; innate immune response, GO:0042742; defense response to bacteria “
* Gene ontology (GO): categories under which genes were classified					

Genes significantly altered in relation to the total number of genes expressed in the biologic process categories in the rabbit HSV-1 latent TG. Gene expressions showing the number of genes that significantly changed of the total number expressed in percentages. Shifts in regulation of the different metabolic processes show relative increases in the number of genes involved in protein metabolism compared to carbohydrate metabolism. Asterisk indicates (*) Gene ontology (GO), which are categories under which genes were classified.

