

**Supplementary Table 4 – List of biological processes displaying significant enrichment (p<0.05) among the list of proteins identified as antigens for autoantibodies in the hearts of A.BY/SnJ or C57BL/6 mice infected with CVB3.**

Enrichment of biological processes among the regulated proteins was calculated in the PANTHER software by comparison with the reference set of NCBI mouse database.

Biological Process	Mus musculus genes - REFLIST (26185)	Numbers of identified antigens (103)	numbers of antigens (expected)	number of proteins	P-value
carbohydrate metabolic process	1038	30	4.08 +		4.25E-18
tricarboxylic acid cycle	33	9	0.13 +		1.81E-14
coenzyme metabolic process	109	12	0.43 +		2.92E-14
respiratory electron transport chain	543	19	2.14 +		4.83E-13
oxidative phosphorylation	95	7	0.37 +		1.21E-07
acyl-CoA metabolic process	29	5	0.11 +		1.33E-07
cellular amino acid and derivative metabolic process	388	11	1.53 +		4.31E-07
nitrogen compound metabolic process	71	5	0.28 +		1.03E-05
protein transport	1687	15	6.64 +		2.51E-03
lipid metabolic process	1266	12	4.98 +		4.17E-03
vesicle-mediated transport	1202	11	4.73 +		7.80E-03
cellular component organization	1582	12	6.22 +		2.17E-02
oxygen and reactive oxygen species metabolic process	70	2	0.28 +		3.14E-02
endocytosis	604	6	2.38 +		3.25E-02
neurotransmitter secretion	338	4	1.33 +		4.50E-02