

**Supplementary Table 5 – 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 resolved per time point.**

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

Color defines significance of enrichment: dark red: highly significant; bright red >0.01< 0.05; yellow no significant enrichment

Biological Process	Mus musculus genes - REFLIST (26185)	A.BY/SnJ signals at 4 and 8d p.i. (91)	(P-value)	A.BY/SnJ signals at 28d p.i. (61)	(P-value)	A.BY/SnJ signals at 84d p.i. (53)	(P-value)	C57BL/6 signals at 4 and 8d p.i. (91)	(P-value)	C57BL/6 signals at 28d p.i. (61)	(P-value)	C57BL/6 signals at 84d p.i. (53)	(P-value)
generation of precursor metabolites and energy	573	27	3.81E-23	20	1.67E-18	15	3.60E-13	21	8.43E-22	10	2.04E-09	5	5.58E-06
carbohydrate metabolic process	1038	24	1.01E-13	16	1.37E-09	17	1.21E-11	16	7.07E-11	13	2.52E-10	4	1.32E-03
respiratory electron transport chain	543	19	4.53E-14	15	1.61E-12	12	7.65E-10	15	8.88E-14	7	5.42E-06	5	4.29E-06
coenzyme metabolic process	109	11	2.27E-13	8	2.18E-10	6	1.01E-07	8	4.90E-11	5	3.14E-07	3	2.00E-05
tricarboxylic acid cycle	33	9	5.73E-15	6	2.10E-10	4	7.03E-07	6	6.87E-11	3	1.16E-05	1	1.63E-02
oxidative phosphorylation	95	7	5.13E-08	5	3.16E-06	5	1.56E-06	5	1.28E-06	2	6.84E-03	3	1.33E-05
metabolic process	9603	59	4.71E-08	42	3.39E-07	36	3.83E-06	37	2.07E-07	28	6.22E-08	9	1.76E-02
primary metabolic process	9122	54	1.60E-06	38	1.13E-05	33	4.28E-05	33	1.33E-05	27	1.33E-07	9	1.22E-02
cellular amino acid and derivative metabolic process	388	11	1.20E-07	10	2.31E-08	5	1.13E-03	7	1.03E-05	6	9.97E-06	3	8.32E-04
transport	3009	18	1.48E-02	12	4.30E-02	13	6.02E-03	10	6.25E-02	7	8.83E-02	4	5.32E-02
cellular component morphogenesis	1205	7	1.26E-01	5	1.49E-01	7	1.05E-02	2	5.81E-01	1	5.32E-01	0	
anatomical structure morphogenesis	1205	7	1.26E-01	5	1.49E-01	7	1.05E-02	2	5.81E-01	1	5.32E-01	0	
lipid metabolic process	1266	9	3.20E-02	8	8.91E-03	7	1.35E-02	6	3.58E-02	5	2.28E-02	2	1.28E-01
protein transport	1687	11	3.22E-02	7	9.65E-02	8	1.95E-02	4	4.19E-01	3	3.76E-01	2	2.03E-01
nucleobase, nucleoside, nucleotide and nucleic acid transport	142	2	8.78E-02	2	4.36E-02	2	3.38E-02	2	3.15E-02	2	1.47E-02	0	9.32E-01
cellular component organization	1582	8	1.84E-01	5	3.08E-01	7	3.95E-02	2	3.98E-01	1	3.83E-01	0	4.45E-01
acyl-CoA metabolic process	29	5	7.16E-08	3	4.66E-05	1	5.70E-02	4	3.61E-07	3	7.92E-06	2	9.49E-05
nitrogen compound metabolic process	71	5	5.61E-06	3	6.38E-04	1	1.34E-01	4	1.22E-05	3	1.12E-04	2	5.62E-04