

Supplement 3. The data matrix for cluster analysis.

values	Parameter*	Organ	Ref.1			Ref.2			Ref.3			EURT		
			Median	Mean	Std.Dev	Median	Mean	Std.Dev	Median	Mean	Std.Dev	Median	Mean	Std.Dev
(extra)	Total lipids/protein ratio	Adrenals	3.09	3.14	0.47	3.52	3.47	0.57	3.40	3.48	0.59	2.73	2.74	0.31
	TBARS concentration		6.90	6.92	1.64	6.98	6.75	1.30	7.02	6.98	1.69	5.54	6.16	3.20
	Total protein content		3.68	3.84	2.63	3.06	4.05	3.81	2.45	2.33	1.55	4.00	4.61	3.58
	Total protein content	Spleen	1.26	1.25	0.07	1.26	1.25	0.06	1.20	1.20	0.30	1.16	1.17	0.14
	DNA/total protein ratio		4.20	4.20	0.44	4.20	4.10	0.49	4.10	3.90	0.45	3.70	3.80	0.19
	Total RNA/DNA ratio		5.59	5.92	2.11	5.77	5.58	1.96	6.31	6.12	1.73	6.71	6.63	2.37
	TBARS concentration		1.04	1.11	0.93	1.60	1.45	0.68	1.71	1.69	0.51	1.98	2.09	1.03
	Catalase activity		1.40	1.40	0.07	1.36	1.38	0.19	1.34	1.33	0.18	1.33	1.28	0.21
	GPI activity		6.28	6.25	0.87	4.78	4.79	2.44	5.54	5.87	0.88	4.96	5.38	1.50
(exp)	Total lipids/protein ratio	Adrenals	2.54	2.51	0.58	2.18	2.16	1.07	3.00	2.87	0.59	1.57	1.58	0.59
	TBARS concentration		8.32	8.43	1.65	10.09	9.91	2.54	8.53	8.48	1.75	14.86	14.92	3.72
	Total protein content		8.18	8.92	3.79	12.8	13.3	8.9	6.00	6.03	2.86	15.27	16.03	6.42
	Total protein content	Spleen	1.11	1.12	0.08	0.96	0.98	0.18	1.08	1.08	0.04	0.74	0.74	0.22
	DNA/total protein ratio		3.61	3.60	0.37	2.90	2.94	0.98	3.50	3.40	0.51	2.54	2.60	0.56
	Total RNA/DNA ratio		7.53	8.40	2.38	10.90	10.80	3.90	8.92	8.57	2.00	14.67	14.78	4.10
	TBARS concentration		2.17	2.36	1.20	4.03	4.15	1.69	3.08	2.98	0.65	7.14	7.57	3.74
	Catalase activity		1.09	1.15	0.14	0.91	0.84	0.37	1.08	1.07	0.18	0.71	0.72	0.29
	GPI activity		6.21	6.18	0.86	4.71	4.72	2.44	5.46	5.79	0.88	4.08	4.53	1.62

* the units were given for the cladogram in a uniform order of magnitude