

Table 6 The mean ( $\pm$  SD) body size parameters and organ weights for the males and females of the four treatments (SC = Small control, LA = Large area, LC = Large control, LE = Large enrichment) and statistics for the treatment, gender, their interaction and body weight (BW).

Variable	Gender	Treatment				Statistics			
		SC	LA	LC	LE	Treatment	Gender	Treatment $\times$ Gender	BW
BW at weaning	Male	2.7 $\pm$ 0.4	2.4 $\pm$ 0.3	2.5 $\pm$ 0.4	2.4 $\pm$ 0.5	F <sub>3,48.0</sub> = 0.37; ns	F <sub>1,95.7</sub> = 0.33; ns	F <sub>3,95.7</sub> = 1.89; ns	-
	Female	2.5 $\pm$ 0.4	2.5 $\pm$ 0.4	2.4 $\pm$ 0.3	2.5 $\pm$ 0.4				
BW in October	Male	11.6 $\pm$ 1.0	11.9 $\pm$ 1.0	11.5 $\pm$ 0.9	11.4 $\pm$ 0.7	F <sub>3,42.0</sub> = 0.50; ns	F <sub>1,92.5</sub> = 7.47; P = 0.008	F <sub>3,92.6</sub> = 1.90; ns	-
	Female	11.1 $\pm$ 1.1	11.1 $\pm$ 0.6	11.1 $\pm$ 0.8	11.5 $\pm$ 0.8				
Final BW	Male	15.5 $\pm$ 0.9	14.3 $\pm$ 1.7	14.8 $\pm$ 1.2	14.6 $\pm$ 1.3	F <sub>3,45.1</sub> = 0.74; ns	F <sub>1,94.6</sub> = 8.75; P = 0.004	F <sub>3,94.6</sub> = 1.78; ns	-
	Female	14.2 $\pm$ 1.4	14.4 $\pm$ 1.3	14.1 $\pm$ 1.0	14.2 $\pm$ 1.4				
Body length (cm)	Male	72 $\pm$ 3	71 $\pm$ 2	71 $\pm$ 2	72 $\pm$ 2	F <sub>3,35.6</sub> = 2.35; ns	F <sub>1,88.2</sub> = 2.72; ns	F <sub>3,85.0</sub> = 0.34; ns	F <sub>1,140.4</sub> = 46.2; P < 0.001
	Female	71 $\pm$ 2	70 $\pm$ 2	70 $\pm$ 1	71 $\pm$ 2				
BMI (kg/m <sup>3</sup> )	Male	41.1 $\pm$ 4.3	40.0 $\pm$ 2.1	41.1 $\pm$ 4.1	39.1 $\pm$ 3.8	F <sub>3,39.7</sub> = 1.41; ns	F <sub>1,89.1</sub> = 0.01; ns	F <sub>3,89.1</sub> = 1.12; ns	-
	Female	39.3 $\pm$ 4.8	41.4 $\pm$ 3.4	41.3 $\pm$ 2.9	39.5 $\pm$ 3.1				
Spleen (g)	Male	17.4 $\pm$ 3.1	16.3 $\pm$ 4.6	15.4 $\pm$ 3.0	14.4 $\pm$ 2.3	F <sub>3,47.6</sub> = 1.03; ns	F <sub>1,98.3</sub> = 3.25; ns	F <sub>3,96.0</sub> = 1.89; ns	F <sub>1,137.7</sub> = 5.75; P = 0.018
	Female	15.1 $\pm$ 3.3	14.7 $\pm$ 2.0	14.9 $\pm$ 2.5	14.7 $\pm$ 2.8				
Liver (g)	Male	416 $\pm$ 53	389 $\pm$ 86	408 $\pm$ 46	377 $\pm$ 86	F <sub>3,46.7</sub> = 1.17; ns	F <sub>1,97.4</sub> = 31.5; P < 0.001	F <sub>3,95.2</sub> = 0.20; ns	F <sub>1,137.3</sub> = 146.7; P < 0.001
	Female	337 $\pm$ 50	360 $\pm$ 63	350 $\pm$ 37	336 $\pm$ 53				
Sum of kidneys (g)	Male	65.6 $\pm$ 8.3	63.3 $\pm$ 11.2	60.9 $\pm$ 5.4	58.9 $\pm$ 10.9	F <sub>3,42.8</sub> = 1.51; ns	F <sub>1,95.4</sub> = 22.5; P < 0.001	F <sub>3,92.6</sub> = 0.66; ns	F <sub>1,142.0</sub> = 58.9; P < 0.001
	Female	55.4 $\pm$ 9.4	56.7 $\pm$ 6.1	55.0 $\pm$ 4.7	53.5 $\pm$ 7.0				
Heart (g)	Male	45.4 $\pm$ 6.0	43.7 $\pm$ 3.6	42.3 $\pm$ 4.1	44.6 $\pm$ 5.7	F <sub>3,45.2</sub> = 0.90; ns	F <sub>1,96.7</sub> = 11.8; P = 0.001	F <sub>3,94.2</sub> = 0.48; ns	F <sub>1,140.3</sub> = 15.3; P < 0.001
	Female	41.6 $\pm$ 5.2	41.9 $\pm$ 2.9	40.4 $\pm$ 4.0	41.2 $\pm$ 3.6				
Thymus (g)	Male	9.4 $\pm$ 3.7	9.6 $\pm$ 3.4	10.5 $\pm$ 3.4	8.6 $\pm$ 3.2	F <sub>3,42.5</sub> = 0.27; ns	F <sub>1,93.8</sub> = 1.06; ns	F <sub>3,91.3</sub> = 2.39; ns	F <sub>1,139.8</sub> = 13.9; P < 0.001
	Female	9.7 $\pm$ 4.7	8.5 $\pm$ 3.2	8.0 $\pm$ 2.1	8.3 $\pm$ 3.0				
Gastrocnemius muscle (g)	Male	42.9 $\pm$ 4.3	40.1 $\pm$ 3.1	41.0 $\pm$ 3.3	40.3 $\pm$ 5.3	F <sub>3,44.7</sub> = 0.11; ns	F <sub>1,96.3</sub> = 1.58; ns	F <sub>3,94.0</sub> = 0.74; ns	F <sub>1,141.0</sub> = 58.4; P < 0.001
	Female	38.8 $\pm$ 3.9	40.1 $\pm$ 5.1	39.7 $\pm$ 3.0	39.2 $\pm$ 4.0				
Adrenal,	Male	253 $\pm$	235 $\pm$	228 $\pm$	249 $\pm$	F <sub>3,47.4</sub> =	F <sub>1,96.6</sub> =	F <sub>3,95.1</sub> =	F <sub>1,135.7</sub> =

right (mg)		53	53	23	51	0.94; ns	0.14; ns	0.65; ns	20.7; $P < 0.001$
	Female	228 ± 36	239 ± 28	229 ± 29	244 ± 33				
Adrenal, left (mg)	Male	255 ± 41	249 ± 50	238 ± 33	260 ± 40	$F_{3,44.6} = 1.28$ ; ns	$F_{1,93.1} = 2.98$ ; ns	$F_{3,91.6} = 0.40$ ; ns	$F_{1,129.9} = 4.84$ ; $P = 0.030$
	Female	253 ± 49	268 ± 39	241 ± 36	263 ± 35				
Degree of asymmetry between adrenals	Male	-0.02 ± 0.09	-0.09 ± 0.12	-0.04 ± 0.08	-0.05 ± 0.12	$F_{3,44.4} = 0.86$ ; ns	$F_{1,98.8} = 1.14$ ; ns	$F_{3,97.4} = 0.88$ ; ns	$F_{1,125.7} = 4.17$ ; $P = 0.043$
	Female	-0.10 ± 0.11	-0.08 ± 0.07	-0.05 ± 0.09	-0.07 ± 0.08				