

## Supplementary Information

**Article title:** Safety of [<sup>177</sup>Lu]Lu-NeoB treatment: a preclinical study characterizing absorbed dose and acute, early, and late organ toxicity

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## Methods

### Radiolabeling [<sup>177</sup>Lu]Lu-NeoB and [<sup>175</sup>Lu]Lu-NeoB

For lutetium-177 labeling, three solutions were prepared prior to radiolabeling:

Solution 1: 0.250 mL gentisic acid (20 mg/mL) + 1.75 mL acetate buffer (0.5 M, pH 4.5-5.0).

Solution 2: ~1 mg NeoB + 5 mL kolliphor HS 15 (2 mg/mL).

Solution 3: 3 mL ascorbic acid (22.5 mg/mL) + 1 mL acetate buffer (1 M, pH 5).

First, 0.5 mL of lutetium-177 (50 GBq/mL) was added to 1 mL of solution 1. Subsequently ~66 µL of solution 2 was added, and the mixture was left in a 95°C heating block for 7 minutes. After cooling, 500 µL of solution 3 and 420 µL MilliQ and 50 µL of DTPA (4 mM) were added. The radiochemical yield and the radiochemical purity of [<sup>177</sup>Lu]Lu-NeoB were measured to determine the quality of the labeling. The radiochemical yield was measured by instant thin-layer chromatography on silica gel (Varian) using a 1.0 M aqueous solution of ammonium acetate:methanol (40:60 V/V) as the mobile phase. The radiochemical purity of [<sup>177</sup>Lu]Lu-NeoB was measured by high-pressure liquid chromatography (HPLC) using an Alliance HPLC system (Waters) containing the W2998 PDA Detector. UV absorbance was measured at 278 nm and a peptide XB-C18 column (3.6 µm, 150 x 4.6 mm) was used with a gradient profile of 0.1% formic acid (A) and acetonitrile (B) (Table S2). Radioactivity was monitored with a system holding a NaI detector, digital multichannel analyzer and dedicated software (MetorX BV) connected to the HPLC system.

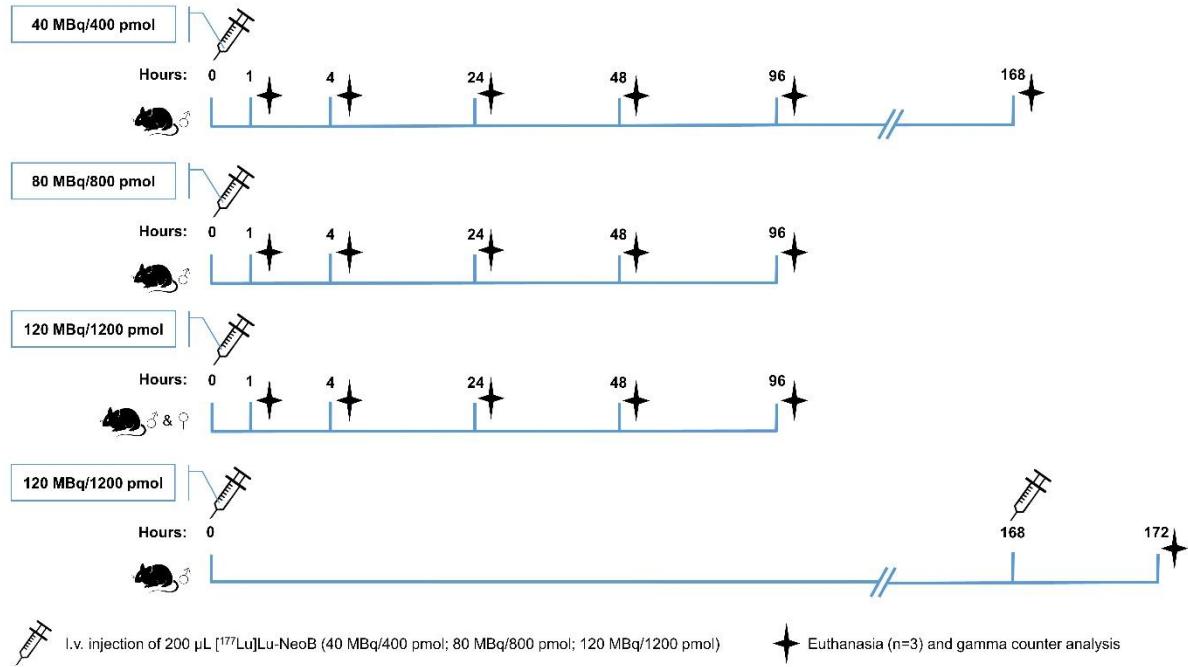
For the lutetium-175 labeling , a 1:1 molar ratio of lutetium-175 (ICP-standard 1g/L, Merck) was added to a labeling mixture containing NeoB and sodium-acetate as buffer, final pH 4.0. The mixture was left in a 95°C heating block for 20 minutes. To determine the chemical yield, UHPLC (Acquity H-Class, waters) with a W2998 PDA detector including a HSS-C18 (1.8 µm, 2.1 x 50 mm) column with a gradient profile of 20 mM ammonium acetate (A) acid and methanol (B) (Table S1) was used.

**Table S1.** UHPLC-method

Time (min)	A (%)	B (%)
0.0-0.14	100	0
0.14-0.2	35	65
0.2-3.5	5	95
3.5-3.51	0	100
3.51-4.0	0	100
4.0-4.01	100	0
4.01-4.5	100	0

**Table S2.** HPLC-method

Time (min)	A (%)	B (%)
0-2	85	15
2-9	60	40
9-11	60	40
11-11.5	0	100
11.5-13.0	0	100
13.0-13.1	85	15
13.1-15.5	85	15



**Figure S1: Schematic overview of the biodistribution study**  
*Timelines of the biodistribution study per injected  $[^{177}\text{Lu}]$ Lu-NeoB dosage.*

**Table S3.** Biodistribution uptake values (%IA/g) of all male animals injected with 40 MBq/400 pmol [<sup>177</sup>Lu]Lu-NeoB.

	<b>1h*</b>	<b>4h</b>	<b>24h</b>	<b>48h</b>	<b>96h</b>	<b>168h</b>
<b>Adrenal glands</b>	2.77±0.63	1.38±0.09	0.31±0.17	0.29±0.08	0.16±0.01	0.18±0.12
<b>Blood</b>	2.50±0.77	0.08±0.02	0.01±0.002	0.002±0.0004	0.001±0.0001	0.0005±0.0001
<b>Brain</b>	0.11±0.04	0.02±0.02	0.004±0.001	0.003±0.0003	0.001±0.0002	0.0015±0.001
<b>Heart</b>	0.85±0.19	0.09±0.01	0.07±0.07	0.02±0.003	0.008±0.003	0.01±0.0002
<b>Intestine</b>	1.45±0.29	0.68±0.24	0.35±0.21	0.12±0.05	0.03±0.01	0.01±0.004
<b>Kidneys</b>	6.01±1.24	1.62±0.11	0.57±0.05	0.30±0.03	0.06±0.01	0.11±0.02
<b>Liver</b>	7.25±1.14	0.71±0.07	0.34±0.05	0.27±0.02	0.19±0.01	0.14±0.01
<b>Lungs</b>	1.16±0.16	0.18±0.08	0.07±0.01	0.06±0.03	0.02±0.01	0.02±0.01
<b>Mammary fat pad</b>	0.74±0.39	0.08±0.02	0.03±0.01	0.02±0.001	0.01±0.002	0.06±0.0003
<b>Muscle</b>	0.23±0.05	0.05±0.02	0.01±0.003	0.005±0.001	0.002±0.001	0.002±0.0004
<b>Pancreas</b>	8.27±0.80	4.39±0.50	0.58±0.04	0.12±0.01	0.02±0.0004	0.01±0.001
<b>Prostate gland</b>	1.34±0.07	0.14±0.03	0.03±0.01	0.02±0.01	0.04±0.05	0.03±0.02
<b>Spleen</b>	0.76±0.07	0.20±0.03	0.09±0.004	0.07±0.01	0.02±0.003	0.05±0.01
<b>Stomach</b>	2.36±0.66	0.93±0.15	0.44±0.05	0.18±0.15	0.10±0.03	0.04±0.01
<b>Testes</b>	0.38±0.06	0.05±0.004	0.02±0.004	0.01±0.005	0.006±0.0003	0.01±0.0001^
<b>Urinary bladder</b>	3.19±0.81	2.43±1.79	0.17±0.14	0.08±0.04	0.04±0.03	0.02±0.004

\* Outlier excluded from dataset based on body weight (N = 2 for the 1h time point)

^ Testes could not be located for one mouse due to a shrunken reproductive system (N=2 at the 168 h time point)

**Table S4.** Biodistribution uptake values (%IA/g) of male animals injected with 80 MBq/800 pmol [<sup>177</sup>Lu]Lu-NeoB.

	<b>1h</b>	<b>4h</b>	<b>24h</b>	<b>48h</b>	<b>96h</b>
<b>Adrenal glands</b>	1.70±0.17	0.81±0.09	0.21±0.17	0.20±0.001	0.10±0.01
<b>Blood</b>	2.19±0.26	0.16±0.08	0.005±0.001	0.002±0.0001	0.001±0.00001
<b>Brain</b>	0.11±0.01	0.07±0.10	0.004±0.001	0.003±0.001	0.002±0.0002
<b>Heart</b>	0.88±0.03	0.14±0.05	0.04±0.004	0.03±0.002	0.02±0.01
<b>Intestine</b>	1.39±0.43	0.71±0.24	0.16±0.06	0.12±0.04	0.04±0.01
<b>Kidneys</b>	5.83±0.35	1.93±0.34	0.51±0.10	0.25±0.02	0.14±0.02
<b>Liver</b>	5.70±0.24	0.91±0.19	0.34±0.01	0.28±0.02	0.19±0.02
<b>Lungs</b>	1.14±0.14	0.29±0.14	0.11±0.06	0.10±0.04	0.05±0.03
<b>Mammary fat pad</b>	0.48±0.15	0.20±0.18	0.02±0.01	0.02±0.004	0.01±0.002
<b>Muscle</b>	0.25±0.04	0.05±0.01	0.01±0.002	0.01±0.001	0.004±0.002
<b>Pancreas</b>	4.05±0.40	2.33±0.37	0.29±0.04	0.08±0.05	0.02±0.001
<b>Prostate gland</b>	0.66±0.30	0.76±0.31	0.05±0.04	0.02±0.01	0.02±0.02
<b>Spleen</b>	0.62±0.10	0.21±0.02	0.10±0.001	0.06±0.01	0.05±0.01
<b>Stomach</b>	1.05±0.05	0.55±0.07	0.25±0.02	0.13±0.02	0.06±0.01
<b>Testes</b>	0.34±0.03	0.08±0.01	0.02±0.004	0.01±0.001	0.01±0.002
<b>Urinary bladder</b>	16.25±23.63	6.97±5.71	0.12±0.03	0.09±0.05	0.03±0.004

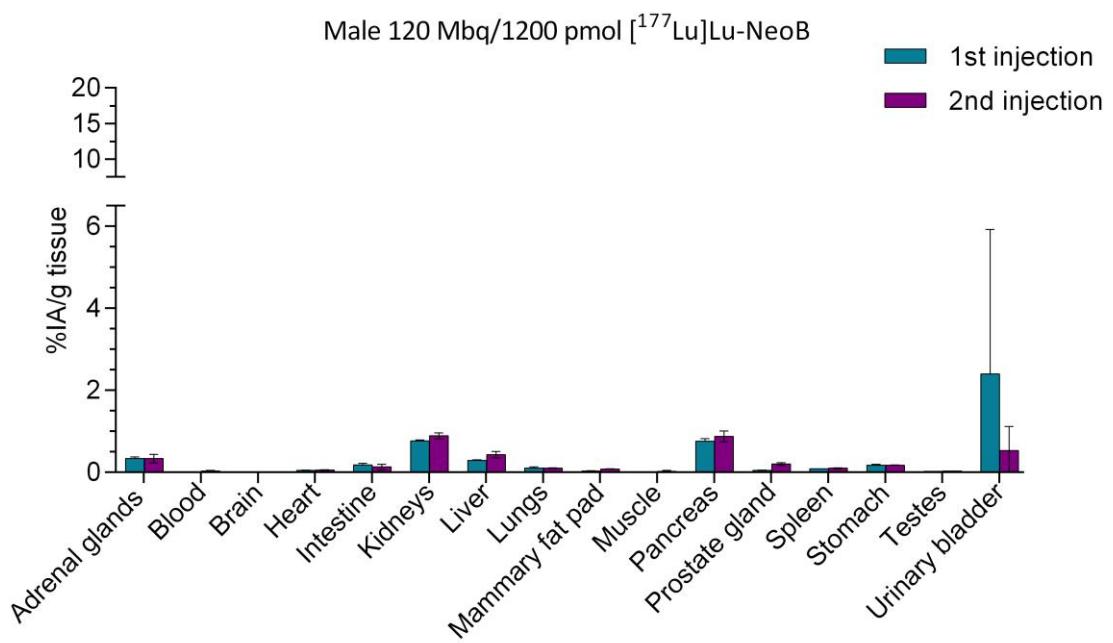
**Table S5.** Biodistribution uptake values (%IA/g) of male animals injected with 120 MBq/1200 pmol [<sup>177</sup>Lu]Lu-NeoB.

	<b>1h</b>	<b>4h</b>	<b>4h (168h after 1st injection)</b>	<b>24h</b>	<b>48h</b>	<b>96h</b>
<b>Adrenal glands</b>	0.82±0.21	0.34±0.05	0.34±0.11	0.16±0.06	0.15±0.02	0.10±0.003
<b>Blood</b>	1.24±0.21	0.02±0.001	0.04±0.02	0.004±0.0004	0.002±0.001	0.001±0.0002
<b>Brain</b>	0.08±0.04	0.01±0.003	0.01±0.001	0.004±0.002	0.004±0.003	0.003±0.001
<b>Heart</b>	0.40±0.03	0.05±0.005	0.06±0.01	0.03±0.004	0.02±0.01	0.02±0.004
<b>Intestine</b>	0.73±0.12	0.18±0.04	0.13±0.07	0.09±0.03	0.05±0.01	0.03±0.01
<b>Kidneys</b>	2.86±0.24	0.77±0.03	0.89±0.07	0.30±0.06	0.13±0.03	0.17±0.04
<b>Liver</b>	3.44±0.44	0.29±0.02	0.43±0.08	0.28±0.01	0.22±0.01	0.23±0.02
<b>Lungs</b>	0.61±0.11	0.11±0.03	0.10±0.01	0.11±0.05	0.10±0.01	0.17±0.05
<b>Mammary fat pad</b>	0.47±0.27	0.03±0.01	0.08±0.004	0.03±0.01	0.01±0.001	0.02±0.01
<b>Muscle</b>	0.24±0.20	0.02±0.003	0.03±0.02	0.01±0.001	0.004±0.001	0.004±0.001
<b>Pancreas</b>	1.79±0.20	0.76±0.06	0.88±0.13	0.20±0.02	0.04±0.002	0.02±0.004
<b>Prostate gland</b>	0.67±0.23	0.05±0.01	0.20±0.03	0.03±0.003	0.02±0.01	0.01±0.004
<b>Spleen</b>	0.39±0.06	0.09±0.002	0.10±0.01	0.05±0.004	0.04±0.002	0.07±0.002
<b>Stomach</b>	0.62±0.13	0.18±0.02	0.18±0.004	0.13±0.02	0.07±0.01	0.05±0.004
<b>Testes</b>	0.20±0.03	0.03±0.001	0.03±0.01	0.01±0.003	0.01±0.002	0.01±0.001
<b>Urinary bladder</b>	5.93±7.80	2.40±3.52	0.54±0.58	0.11±0.022	0.07±0.03	0.06±0.02

**Table S6.** Biodistribution uptake values (%IA/g) of female animals injected with 120 MBq/1200 pmol [<sup>177</sup>Lu]Lu-NeoB.

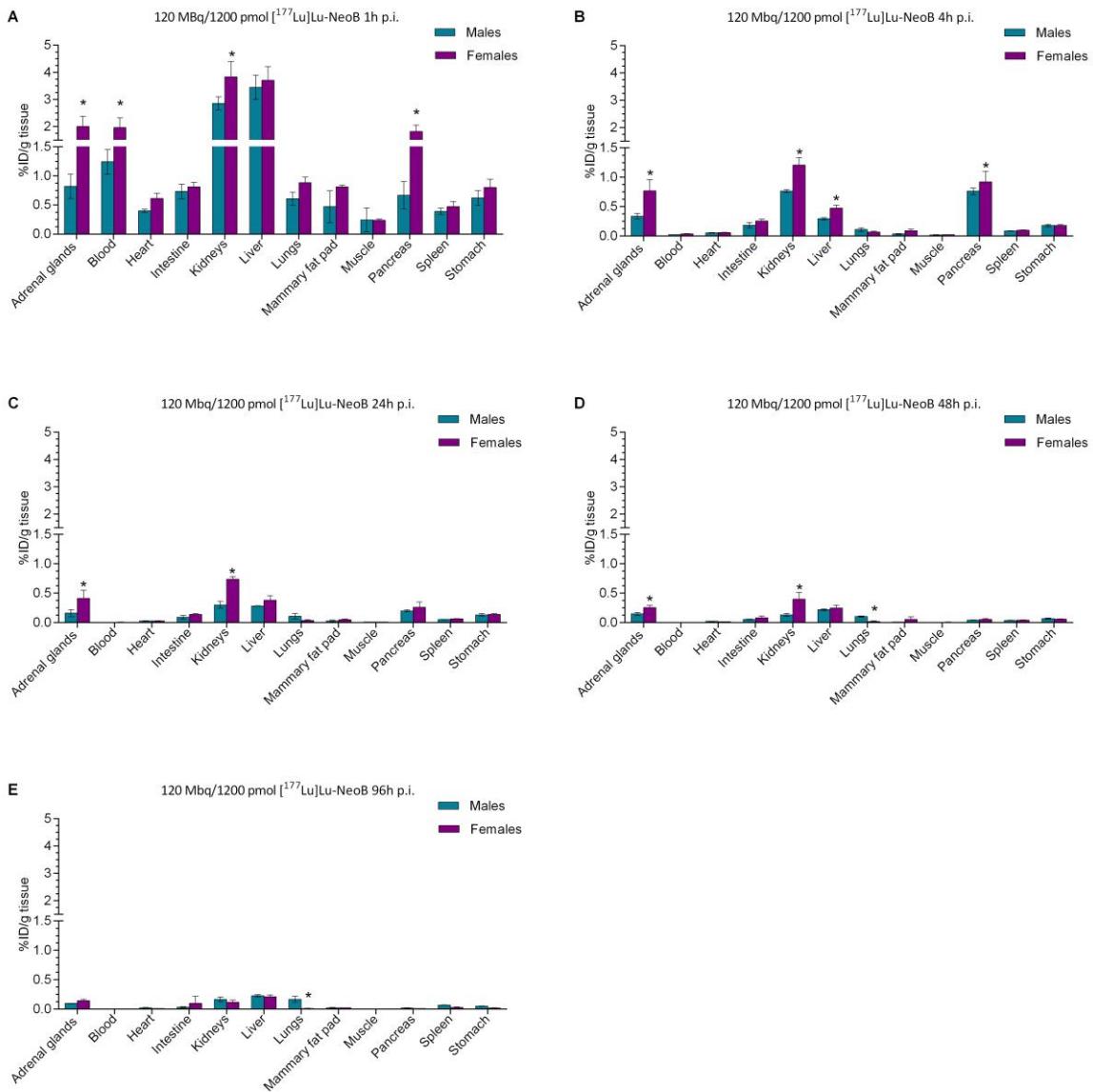
	<b>1h</b>	<b>4h</b>	<b>24h</b>	<b>48h</b>	<b>96h</b>
<b>Adrenal glands</b>	2.00±0.38	0.77±0.19	0.41±0.14	0.25±0.04	0.14±0.02
<b>Blood</b>	1.96±0.36	0.04±0.01	0.01±0.002	0.003±0.001	0.001±0.0002
<b>Brain</b>	0.27±0.22	0.01±0.001	0.003±0.001	0.002±0.001	0.001±0.001
<b>Heart</b>	0.61±0.09	0.06±0.004	0.03±0.01	0.01±0.002	0.01±0.001
<b>Intestine</b>	0.81±0.07	0.26±0.03	0.14±0.01	0.08±0.03	0.10±0.12^
<b>Kidneys</b>	3.84±0.56	1.21±0.13	0.74±0.04	0.40±0.12	0.11±0.04
<b>Liver</b>	3.71±0.51	0.48±0.05	0.38±0.08	0.25±0.05	0.21±0.03
<b>Lungs</b>	0.88±0.09	0.07±0.02	0.03±0.01	0.02±0.01	0.01±0.005
<b>Mammary fat pad</b>	0.81±0.03	0.09±0.03	0.05±0.01	0.05±0.04	0.02±0.003
<b>Muscle</b>	0.24±0.02	0.02±0.002	0.01±0.001	0.004±0.002	0.002±0.001
<b>ovaries</b>	0.90±0.36	0.09±0.02	0.04±0.01	0.02±0.01	0.02±0.01
<b>Pancreas</b>	1.82±0.23	0.92±0.18	0.26±0.09	0.05±0.02	0.01±0.001
<b>Spleen</b>	0.47±0.09	0.10±0.01	0.06±0.004	0.04±0.004	0.03±0.01
<b>Stomach</b>	0.80±0.14	0.18±0.01	0.14±0.02	0.06±0.01	0.02±0.003
<b>Urinary bladder</b>	2.67±1.96	0.18±0.02	0.13±0.08	0.11±0.04	0.06±0.03

<sup>^</sup> Large SD caused by deviating organ weight of one mouse



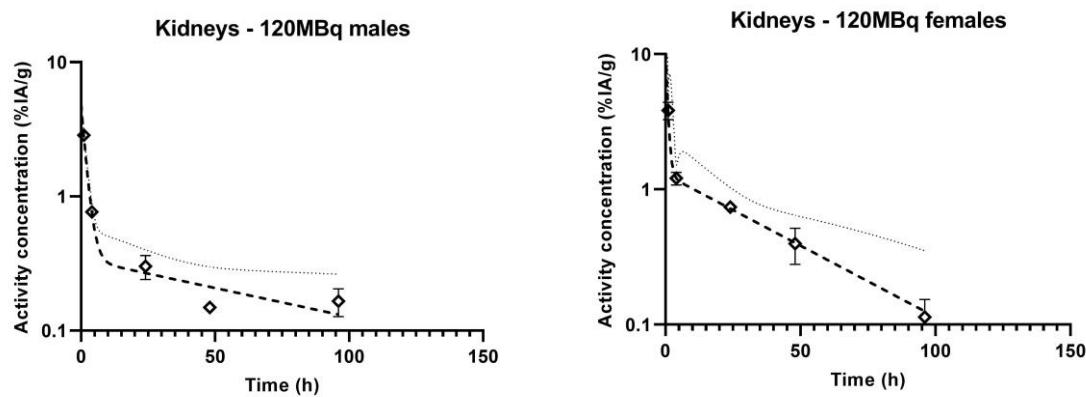
**Figure S2: Biodistribution uptake values**

*Uptake expressed in percentage of injected activity per grams of tissue (%IA/g). Comparison in uptake between animals receiving one versus 2 injections with a 7-day interval.*



**Figure S3: Biodistribution uptake values**

Uptake expressed in percentage of injected activity per grams of tissue (%IA/g). Comparison in uptake between male and female animals receiving 120 MBq/1200 pmol [ $^{177}\text{Lu}$ ]Lu-NeoB at (A) 1h, (B) 4h, (C) 24h, (D) 48h and (E) 96h after injection. Error bars represent the standard deviation.



**Figure S4: Pharmacokinetic modeling of  $[^{177}\text{Lu}]\text{Lu-NeoB}$  kidney clearance**  
*Comparison in kidney clearance between male (left) and female (right) animals receiving 120 MBq/1200 pmol  $[^{177}\text{Lu}]\text{Lu-NeoB}$ . The exponential fit was performed using a two-phase decay model with an  $R^2$  of 0.95 for males and 0.97 for females.*

**Table S7.** Microscopic observations during histopathological evaluation of organs/tissues of male mice sacrificed 5 weeks after the first injection. A 5-point grading scale was used: 1. Minimal change, 2. Mild change, 3. Moderate change, 4. Marked change, 5. Severe change.

Sex	Males																			
	Control group 1					Control group 2					Treatment group 1					Treatment group 2				
N	3				3				3				3				3			
Score	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Adrenal glands – Subcapsular cell hyperplasia		1/3				1/3	1/3				1/3									
Adrenal glands – accessory cortical tissue						1/3														
Urinary bladder – inflammatory cell foci																		3/3		
Urinary bladder – urothelium vacuolation																	2/3	1/3		
Urinary bladder – mineralization																		1/3		
Testes – germ cell depletion											1/3				1/3			1/3		
Thyroid gland – ectopic thymus												1/3				1/3				
Spleen – extramedullary haematopoiesis						1/3						2/3								
Pancreas – acinar cell degeneration											1/3									
Pancreas – mineralization																		1/3		
Prostate gland – inflammatory cell foci																	2/3			
Heart – inflammatory cell foci																	1/3			

**Table S8.** Microscopic observations during histopathological evaluation of organs/tissues of female mice sacrificed 5 weeks after the first injection. A 5-point grading scale was used: 1. Minimal change, 2. Mild change, 3. Moderate change, 4. Marked change, 5. Severe change.

Sex	Females																			
	Control group 1					Control group 2					Treatment group 1					Treatment group 2				
N	3				3				3				3				3			
Score	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Adrenal glands – Subcapsular cell hyperplasia	1/3					2/3					1/3	1/3				3/3				1/3
Urinary bladder – inflammatory cell foci											1/3					1/3	2/3			1/3
Urinary bladder – urothelium vacuolation																2/3	1/3			1/3
Spleen – extramedullary haematopoiesis																				1/3
Thyroid gland – follicular cyst/s																				1/3
Liver – inflammatory cell foci	1/3															1/3				1/3
Brain - artifacts					1/3												1/3			

**Table S9.** Microscopic observations during histopathological evaluation of organs/tissues of male mice sacrificed 19 weeks after the first injection. A 5-point grading scale was used: 1. Minimal change, 2. Mild change, 3. Moderate change, 4. Marked change, 5. Severe change.

Sex	Males																								
	Control group 1					Control group 2					Treatment group 1					Treatment group 2					Treatment group 3				
N	3				3				3				3				3				3				
Score	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Adrenal glands – Subcapsular cell hyperplasia	2/3					2/3					1/3	1/3				1/3	1/3				2/3	1/3			
Adrenal glands – accessory cortical tissue	1/3																								
Urinary bladder – inflammatory cell foci																2/3									
Urinary bladder – urothelium vacuolation																3/3					1/3				
Urinary bladder – proteinaceous plug		1/3					1/3																		
Testes – germ cell depletion											2/3														
Thyroid gland – ectopic thymus												1/3					1/3					1/3			
Spleen – extramedullary haematopoiesis											1/3										1/3				
Pancreas – inflammatory cell foci		3/3				1/3											2/3								
Kidneys – hydronephrosis																	1/3	2/3					2/3		
Kidneys – nephropathy																	1/3					1/3			

**Table S10.** Microscopic observations during histopathological evaluation of organs/tissues of female mice sacrificed 19 weeks after the first injection. A 5-point grading scale was used: 1. Minimal change, 2. Mild change, 3. Moderate change, 4. Marked change, 5. Severe change.

Sex	Females																								
	Control group 1					Control group 2					Treatment group 1					Treatment group 2					Treatment group 3				
N	3				3				3				3				3				3				
Score	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Adrenal glands – Subcapsular cell hyperplasia	2/3	1/3				1/3	2/3				1/3	2/3				2/3	1/3				1/3	2/3			
Urinary bladder – inflammatory cell foci											2/3	1/3				2/3					1/3	1/3	1/3		
Urinary bladder – urothelium vacuolation											2/3					2/3	1/3				1/3	1/3			
Spleen – extramedullary haematopoiesis																	1/3								
Pancreas – inflammatory cell foci	1/3										2/3					1/3					1/3	1/3			
Kidneys – hydronephrosis																1/3							3/3		
Kidneys – nephropathy																					1/3				
Liver – inflammatory cell foci	1/3										1/3	1/3				2/3									
Ureter(s) - dilatation																					1/3				

**Table S11.** Microscopic observations during histopathological evaluation of organs/tissues of male mice sacrificed 43 weeks after the first injection. A 5-point grading scale was used: 1. Minimal change, 2. Mild change, 3. Moderate change, 4. Marked change, 5. Severe change.

Sex	Males																								
	Control group 1					Control group 2					Treatment group 1					Treatment group 2					Treatment group 3				
N	4				4				3				4				4				4				
Score	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Adrenal glands – Subcapsular cell hyperplasia	1/4	3/4				3/4	1/4				2/3	1/3				2/4	1/4	1/4			3/4	1/4			
Urinary bladder – inflammatory cell foci											1/3					2/4	1/4								
Urinary bladder – urothelium vacuolation																1/4									
Testes – germ cell depletion	1/4					1/4															1/4				
Pancreas – inflammatory cell foci	1/4					1/4					1/3	2/3				2/4					2/4				
Pancreas – acinar cell degeneration											1/3														
Kidneys – hydronephrosis			1/4														2/4					3/4			
Kidneys – nephropathy											2/3					1/4	1/4				1/4				
Kidneys – inflammatory cell foci					1/4						1/3														
Kidneys – Cyst/s						1/4															1/4				
Lungs – B-adenoma		1/4																							
Skin – inflammatory cell foci											1/3										1/4				
Skin – scab formulation											1/3														
Liver – inflammatory cell foci																				2/4					
Ureter(s) - dilation																					1/4				
Epididymides – spermatic granuloma																				1/4					

**Table S12.** Microscopic observations during histopathological evaluation of organs/tissues of female mice sacrificed 43 weeks after the first injection. A 5-point grading scale was used: 1. Minimal change, 2. Mild change, 3. Moderate change, 4. Marked change, 5. Severe change.

**Table S13.** Hematologic parameters in male mice. Values represent the mean  $\pm$  SD. The reference values are based on the baseline (-1 wk) measurements. Asterisks show the significance level with \*:  $p \leq 0.05$ .

C1/C2/T1/T2/T3 Significant difference as compared with e.g. control group 1 (C1) at the same time point.

<sup>^</sup> Outlier excluded from dataset (N = N-1)

Males	N	WBC ( $10^3/\text{mm}^3$ )	RBC ( $10^6/\text{mm}^3$ )	HGB (g/dl)	HCT (%)
Reference value	50	7.68 $\pm$ 1.85	9.21 $\pm$ 0.66	16.41 $\pm$ 0.84	44.49 $\pm$ 3.06
Control group 1: 5 wk	10	8.63 $\pm$ 1.77 <sup>T3*</sup>	8.92 $\pm$ 0.29 <sup>^</sup>	16.52 $\pm$ 0.80	42.52 $\pm$ 1.44 <sup>^</sup>
	7	8.38 $\pm$ 1.06 <sup>^</sup>	9.40 $\pm$ 0.25	17.21 $\pm$ 0.41	44.11 $\pm$ 1.11
	7	11.17 $\pm$ 5.92	9.42 $\pm$ 0.30	16.80 $\pm$ 0.65	44.81 $\pm$ 1.69
	4	10.18 $\pm$ 3.47	9.21 $\pm$ 0.37	17.13 $\pm$ 0.85	44.30 $\pm$ 1.59
	4	5.98 $\pm$ 1.18	8.66 $\pm$ 0.19	15.63 $\pm$ 0.59	41.05 $\pm$ 0.74
Control group 2: 5 wk	10	7.67 $\pm$ 1.50	9.03 $\pm$ 0.65	16.45 $\pm$ 0.49	43.00 $\pm$ 3.33
	7	8.37 $\pm$ 2.67	9.13 $\pm$ 1.47	17.11 $\pm$ 0.85	44.96 $\pm$ 3.10
	7	9.53 $\pm$ 2.84	8.64 $\pm$ 0.42 <sup>T1*/T2*</sup>	15.59 $\pm$ 0.31 <sup>T2*</sup>	40.80 $\pm$ 1.97 <sup>T1*/T2*</sup>
	4	9.80 $\pm$ 2.25	9.35 $\pm$ 0.34	17.20 $\pm$ 0.43	44.90 $\pm$ 1.44
	4	6.70 $\pm$ 2.71	8.79 $\pm$ 0.34	15.38 $\pm$ 0.75	41.88 $\pm$ 1.83
Treatment group 1: 5 wk	10	8.08 $\pm$ 2.38	8.96 $\pm$ 0.30	16.78 $\pm$ 0.48 <sup>^</sup>	42.96 $\pm$ 1.20
	7	8.53 $\pm$ 1.17	9.56 $\pm$ 0.79	17.49 $\pm$ 1.16	45.46 $\pm$ 3.66
	6	8.12 $\pm$ 1.98	9.58 $\pm$ 0.55 <sup>C2*</sup>	16.88 $\pm$ 0.38	45.67 $\pm$ 2.97 <sup>C2*</sup>
	3	9.77 $\pm$ 2.82	9.58 $\pm$ 0.27	16.93 $\pm$ 0.32	45.97 $\pm$ 2.38
	3	7.53 $\pm$ 0.83	8.90 $\pm$ 1.54	16.03 $\pm$ 2.27	42.70 $\pm$ 6.76
Treatment group 2: 5 wk	10	6.65 $\pm$ 2.80	8.75 $\pm$ 0.44	16.35 $\pm$ 0.65	42.99 $\pm$ 2.34
	7	9.61 $\pm$ 1.52	10.50 $\pm$ 1.43	18.46 $\pm$ 2.23	49.27 $\pm$ 7.70
	7	8.68 $\pm$ 0.34 <sup>^</sup>	9.69 $\pm$ 0.91 <sup>C2*</sup>	17.44 $\pm$ 1.54 <sup>C2*</sup>	46.13 $\pm$ 4.88 <sup>C2*</sup>
	4	11.13 $\pm$ 3.50	9.14 $\pm$ 0.52	16.60 $\pm$ 0.10 <sup>^</sup>	42.07 $\pm$ 0.45 <sup>^</sup>
	4	7.30 $\pm$ 2.24	8.77 $\pm$ 0.41	15.63 $\pm$ 0.74	41.48 $\pm$ 2.44
Treatment group 3: 5 wk	10	5.48 $\pm$ 1.82 <sup>C1*</sup>	8.70 $\pm$ 0.35	16.02 $\pm$ 0.63	42.81 $\pm$ 2.14
	7	7.29 $\pm$ 1.54	9.26 $\pm$ 0.28	16.81 $\pm$ 0.43	43.09 $\pm$ 1.65
	7	8.40 $\pm$ 1.33	9.24 $\pm$ 0.34	16.63 $\pm$ 0.78	43.34 $\pm$ 2.21
	4	12.63 $\pm$ 3.38	9.31 $\pm$ 0.70	17.08 $\pm$ 0.94	44.23 $\pm$ 3.32
	4	7.68 $\pm$ 3.01	9.03 $\pm$ 0.35	16.10 $\pm$ 0.00 <sup>^</sup>	42.80 $\pm$ 1.56

HCT: hematocrit; HGB: hemoglobin;; RBC: red blood cell count; WBC: white blood cell count.

**Table S14.** Hematologic parameters in male mice. Values represent the mean  $\pm$  SD. The reference values are based on the baseline (-1 wk) measurements. Asterisks show the significance level with \*:  $p \leq 0.05$ .

C1/C2/T1/T2/T3 Significant difference as compared with e.g. control group 1 (C1) at the same time point.

<sup>^</sup> Outlier excluded from dataset (N = N-1)

Males	N	MCV ( $\mu\text{m}^3$ )	MCH (pg)	MCHC (g/dl)	PLT ( $10^3/\text{mm}^3$ )
Reference value	50	48.31 $\pm$ 0.68 <sup>^</sup>	17.85 $\pm$ 0.55	36.93 $\pm$ 1.12	718.02 $\pm$ 175.49
Control group 1: 5 wk	10	47.70 $\pm$ 0.67 <sup>T2*</sup>	18.27 $\pm$ 0.47	38.29 $\pm$ 1.36	825.60 $\pm$ 121.58
	7	47.14 $\pm$ 0.69	18.33 $\pm$ 0.39	39.04 $\pm$ 0.82	744.71 $\pm$ 130.80
	7	47.43 $\pm$ 0.53	18.17 $\pm$ 0.35 <sup>^</sup>	38.22 $\pm$ 0.81 <sup>^</sup>	935.14 $\pm$ 164.96
	4	48.25 $\pm$ 0.50	18.58 $\pm$ 0.68	38.60 $\pm$ 1.29	1163.75 $\pm$ 168.54
	4	47.50 $\pm$ 0.58	18.17 $\pm$ 0.06 <sup>^</sup> / <sup>C2*/T3*</sup>	38.00 $\pm$ 0.85	1183.75 $\pm$ 141.96
Control group 2: 5 wk	10	47.50 $\pm$ 0.71 <sup>T2*/T3*</sup>	18.29 $\pm$ 1.12	38.44 $\pm$ 2.56	863.90 $\pm$ 120.87
	7	46.86 $\pm$ 0.90	18.20 $\pm$ 0.26 <sup>^</sup>	38.60 $\pm$ 0.35 <sup>^</sup>	738.14 $\pm$ 174.38
	7	47.43 $\pm$ 0.98	18.09 $\pm$ 0.79	38.11 $\pm$ 1.44	947.29 $\pm$ 198.53
	4	48.00 $\pm$ 0.82	18.43 $\pm$ 0.43	38.33 $\pm$ 1.04	1157.25 $\pm$ 52.10
	4	47.50 $\pm$ 0.58	17.48 $\pm$ 0.38 <sup>C1*/T1*</sup>	36.70 $\pm$ 0.89	1005.25 $\pm$ 118.46
Treatment group 1: 5 wk	10	48.10 $\pm$ 0.74	18.50 $\pm$ 0.58	38.54 $\pm$ 1.27	839.00 $\pm$ 102.63
	7	47.57 $\pm$ 0.98	18.31 $\pm$ 0.74	38.51 $\pm$ 1.74	719.00 $\pm$ 153.62
	6	47.20 $\pm$ 0.45 <sup>^</sup>	17.67 $\pm$ 0.90	37.08 $\pm$ 2.28	929.50 $\pm$ 162.70
	3	47.67 $\pm$ 1.15	17.70 $\pm$ 0.70	37.00 $\pm$ 2.23	1110.33 $\pm$ 130.11
	3	48.00 $\pm$ 1.00	18.50 $\pm$ 0.00 <sup>^</sup> / <sup>C2*</sup>	37.70 $\pm$ 1.15	1133.67 $\pm$ 46.61
Treatment group 2: 5 wk	10	49.20 $\pm$ 1.23 <sup>C1*/C2*</sup>	18.68 $\pm$ 0.52	38.03 $\pm$ 1.64	870.44 $\pm$ 38.83 <sup>^</sup>
	7	47.00 $\pm$ 1.00	17.63 $\pm$ 0.60	37.69 $\pm$ 1.71	693.57 $\pm$ 226.99
	7	47.57 $\pm$ 1.40	18.01 $\pm$ 0.46	38.47 $\pm$ 1.34 <sup>^</sup>	873.17 $\pm$ 90.74 <sup>^</sup>
	4	47.00 $\pm$ 0.00 <sup>^</sup>	18.50 $\pm$ 0.57	39.13 $\pm$ 0.83	1086.25 $\pm$ 76.59
	4	47.50 $\pm$ 1.29	17.90 $\pm$ 0.00 <sup>^</sup>	37.75 $\pm$ 1.19	1278.50 $\pm$ 89.12
Treatment group 3: 5 wk	10	48.67 $\pm$ 0.87 <sup>^</sup> / <sup>C2*</sup>	18.42 $\pm$ 0.83	37.48 $\pm$ 2.49	798.40 $\pm$ 121.37
	7	46.43 $\pm$ 0.79	18.14 $\pm$ 0.29	39.03 $\pm$ 0.67	830.00 $\pm$ 73.06 <sup>^</sup>
	7	46.86 $\pm$ 1.21	17.99 $\pm$ 0.58	38.41 $\pm$ 1.24	917.86 $\pm$ 118.00
	4	48.00 $\pm$ 0.00 <sup>^</sup>	18.38 $\pm$ 0.40	38.65 $\pm$ 0.85	955.50 $\pm$ 188.55
	4	48.00 $\pm$ 0.00 <sup>^</sup>	17.60 $\pm$ 0.22 <sup>C1*/T1*</sup>	37.08 $\pm$ 0.53	1062.75 $\pm$ 90.16

MCH: mean cell hemoglobin; MCHC: mean cell hemoglobin concentration; MCV: mean cell volume; PLT: platelet count.

**Table S15.** Hematologic parameters in female mice. Values represent the mean  $\pm$  SD. The reference values are based on the baseline (-1 wk) measurements. Asterisks show the significance level with \*:  $p \leq 0.05$ .

C1/C2/T1/T2/T3 Significant difference as compared with e.g. control group 1 (C1) at the same time point.

<sup>^</sup> Outlier excluded from dataset (N = N-1)

Females	N	WBC ( $10^3/\text{mm}^3$ )	RBC ( $10^6/\text{mm}^3$ )	HGB (g/dl)	HCT (%)
Reference value	50	$7.63 \pm 2.25$	$8.53 \pm 0.57^{\wedge}$	$15.75 \pm 0.75$	$41.69 \pm 2.64$
Control group 1: 5 wk	10	$7.15 \pm 0.94^{\text{T3}*}$	$8.36 \pm 0.57^{\wedge}$	$15.76 \pm 0.96$	$40.88 \pm 2.65^{\wedge}$
	7	$7.71 \pm 2.53$	$9.19 \pm 0.38$	$17.00 \pm 0.19^{\wedge}$	$43.61 \pm 1.51$
	7	$7.63 \pm 0.51^{\wedge}$	$9.07 \pm 0.50$	$17.00 \pm 0.81$	$42.86 \pm 2.27$
	4	$9.03 \pm 1.48$	$9.34 \pm 0.19$	$17.00 \pm 0.00^{\wedge\text{T3}}$	$44.90 \pm 1.64$
	4	$8.30 \pm 3.68$	$8.94 \pm 0.47$	$16.00 \pm 0.50$	$42.65 \pm 1.82$
Control group 2: 5 wk	10	$7.27 \pm 1.51^{\text{T3}*}$	$8.42 \pm 0.39$	$15.61 \pm 0.74^{\wedge}$	$40.85 \pm 3.14$
	7	$8.51 \pm 2.34$	$9.01 \pm 0.34$	$16.27 \pm 0.49$	$42.01 \pm 1.60$
	7	$6.74 \pm 3.19$	$8.57 \pm 0.55$	$15.97 \pm 1.00$	$40.57 \pm 2.81$
	4	$10.38 \pm 2.86$	$9.30 \pm 0.44$	$16.53 \pm 0.51$	$44.18 \pm 2.83$
	4	$7.40 \pm 0.72^{\wedge}$	$8.92 \pm 0.63$	$16.38 \pm 1.01$	$42.08 \pm 3.01$
Treatment group 1: 5 wk	10	$6.20 \pm 2.24$	$8.51 \pm 0.45$	$16.19 \pm 0.58$	$41.51 \pm 2.18$
	7	$7.60 \pm 3.77$	$8.59 \pm 0.31^{\wedge}$	$15.88 \pm 0.43^{\wedge}$	$40.26 \pm 1.41$
	7	$6.80 \pm 1.64$	$9.37 \pm 1.10$	$16.90 \pm 1.83$	$43.89 \pm 5.14$
	4	$9.70 \pm 2.96$	$8.71 \pm 0.27$	$16.30 \pm 0.52$	$41.33 \pm 0.79$
	3	$7.20 \pm 3.97$	$8.91 \pm 0.89$	$16.50 \pm 0.66$	$43.27 \pm 3.17$
Treatment group 2: 5 wk	10	$5.89 \pm 2.56$	$8.70 \pm 0.63$	$16.27 \pm 0.78$	$41.91 \pm 3.22$
	7	$7.97 \pm 2.09$	$9.05 \pm 0.72$	$16.59 \pm 0.85$	$41.64 \pm 3.22$
	7	$6.74 \pm 1.77$	$8.61 \pm 0.98$	$15.59 \pm 1.56$	$39.66 \pm 4.17$
	4	$8.98 \pm 1.67$	$9.07 \pm 0.27$	$16.65 \pm 0.31$	$43.50 \pm 1.68$
	4	$9.10 \pm 3.17$	$8.96 \pm 0.18$	$15.53 \pm 0.85$	$41.90 \pm 1.79$
Treatment group 3: 5 wk	10	$4.36 \pm 1.67^{\text{C1*/C2}*}$	$8.75 \pm 0.47$	$16.04 \pm 0.44$	$42.16 \pm 2.40$
	7	$7.57 \pm 1.58$	$9.04 \pm 0.32^{\wedge}$	$16.56 \pm 0.81$	$43.04 \pm 2.97$
	7	$7.69 \pm 2.31$	$9.62 \pm 1.71$	$16.44 \pm 1.77$	$44.93 \pm 7.28$
	4	$7.93 \pm 2.49$	$9.22 \pm 0.66$	$15.83 \pm 0.06^{\wedge\text{C1}*}$	$41.13 \pm 0.23^{\wedge}$
	4	$8.90 \pm 3.34$	$9.72 \pm 0.26$	$15.30 \pm 0.29$	$44.95 \pm 1.05$

HCT: hematocrit; HGB: hemoglobin;; RBC: red blood cell count; WBC: white blood cell count.

**Table S16.** Hematologic parameters in female mice. Values represent the mean  $\pm$  SD. The reference values are based on the baseline (-1 wk) measurements. Asterisks show the significance level with \*:  $p \leq 0.05$ .

C1/C2/T1/T2/T3 Significant difference as compared with e.g. control group 1 (C1) at the same time point.

<sup>^</sup> Outlier excluded from dataset (N = N-1)

Females	N	MCV ( $\mu\text{m}^3$ )	MCH (pg)	MCHC (g/dl)	PLT ( $10^3/\text{mm}^3$ )
Reference value	50	48.78 $\pm$ 0.65	18.46 $\pm$ 0.63	37.77 $\pm$ 1.09	665.68 $\pm$ 177.78
Control group 1: 5 wk	10	49.10 $\pm$ 0.99 <sup>C2*/T3*</sup>	18.80 $\pm$ 0.44	38.80 $\pm$ 0.77 <sup>^</sup>	828.80 $\pm$ 209.20
	7	47.43 $\pm$ 0.79 <sup>T2*</sup>	18.34 $\pm$ 0.36	38.60 $\pm$ 0.55	872.71 $\pm$ 104.41
	7	47.29 $\pm$ 0.76	18.76 $\pm$ 0.41 <sup>T3*</sup>	39.71 $\pm$ 0.84 <sup>T3*</sup>	910.14 $\pm$ 153.55
	4	48.00 $\pm$ 0.82	17.98 $\pm$ 0.68	37.50 $\pm$ 2.07	966.25 $\pm$ 201.80
	4	48.00 $\pm$ 0.82	17.95 $\pm$ 1.12	37.55 $\pm$ 1.74 <sup>T3*</sup>	1041.25 $\pm$ 87.21
Control group 2: 5 wk	10	47.50 $\pm$ 0.71 <sup>C1*</sup>	18.55 $\pm$ 0.34	39.02 $\pm$ 0.47	949.60 $\pm$ 59.20 <sup>T2*</sup>
	7	46.57 $\pm$ 0.53	18.07 $\pm$ 0.29	38.77 $\pm$ 0.49	839.00 $\pm$ 244.75
	7	47.14 $\pm$ 0.69	18.67 $\pm$ 0.50 <sup>T3*</sup>	39.43 $\pm$ 1.37	910.29 $\pm$ 143.31
	4	47.75 $\pm$ 0.96	17.80 $\pm$ 0.91	37.55 $\pm$ 2.64	982.75 $\pm$ 135.76
	4	47.00 $\pm$ 0.00 <sup>^</sup>	18.35 $\pm$ 0.19 <sup>T3*</sup>	38.88 $\pm$ 0.59 <sup>T3*</sup>	854.75 $\pm$ 343.71
Treatment group 1: 5 wk	10	48.33 $\pm$ 0.71 <sup>^</sup>	19.04 $\pm$ 0.44 <sup>T3*</sup>	39.05 $\pm$ 1.35	774.80 $\pm$ 109.24
	7	46.71 $\pm$ 0.95	18.50 $\pm$ 0.71	39.76 $\pm$ 1.01	722.14 $\pm$ 162.36
	7	46.86 $\pm$ 0.69	18.37 $\pm$ 0.28 <sup>^</sup>	38.43 $\pm$ 1.45	792.14 $\pm$ 187.73
	4	47.00 $\pm$ 0.00 <sup>^</sup>	18.75 $\pm$ 0.99	39.45 $\pm$ 1.74	1011.67 $\pm$ 28.22 <sup>^</sup>
	3	49.00 $\pm$ 0.00 <sup>^</sup>	18.60 $\pm$ 1.08 <sup>T3*</sup>	38.30 $\pm$ 1.30 <sup>T3*</sup>	675.33 $\pm$ 129.51
Treatment group 2: 5 wk	10	48.10 $\pm$ 0.74	18.74 $\pm$ 0.80	38.91 $\pm$ 1.70	698.60 $\pm$ 200.39 <sup>C2*</sup>
	7	45.86 $\pm$ 0.69 <sup>C1*</sup>	18.37 $\pm$ 0.74	39.93 $\pm$ 1.51	798.71 $\pm$ 116.74
	7	46.00 $\pm$ 1.15	18.16 $\pm$ 0.81	39.31 $\pm$ 1.26	806.14 $\pm$ 175.91
	4	48.00 $\pm$ 0.00 <sup>^</sup>	17.93 $\pm$ 0.06 <sup>^</sup>	37.27 $\pm$ 0.23 <sup>^</sup>	1028.00 $\pm$ 41.41
	4	46.75 $\pm$ 2.06	17.33 $\pm$ 1.17	37.05 $\pm$ 1.17 <sup>T3*</sup>	952.00 $\pm$ 199.80
Treatment group 3: 5 wk	10	48.00 $\pm$ 0.82 <sup>C1*</sup>	18.25 $\pm$ 0.66 <sup>T1*</sup>	38.14 $\pm$ 1.64	764.67 $\pm$ 72.21 <sup>^</sup>
	7	46.43 $\pm$ 0.98	17.90 $\pm$ 0.63	38.56 $\pm$ 1.23	731.29 $\pm$ 144.20
	7	46.86 $\pm$ 1.77	17.29 $\pm$ 1.56 <sup>C1*/C2*</sup>	36.94 $\pm$ 2.97 <sup>C1*</sup>	742.14 $\pm$ 181.84
	4	46.50 $\pm$ 1.29	17.75 $\pm$ 0.42	38.50 $\pm$ 0.10 <sup>^</sup>	996.50 $\pm$ 96.63
	4	46.25 $\pm$ 0.96	15.90 $\pm$ 0.00 <sup>^</sup> <sup>C2*/T1*/T2*</sup>	34.08 $\pm$ 0.28 <sup>C1*/C2*/T1*/T2*</sup>	763.00 $\pm$ 260.79

MCH: mean cell hemoglobin; MCHC: mean cell hemoglobin concentration; MCV: mean cell volume; PLT: platelet count.

**Table S17.** Clinical chemistry parameters in male mice. Values represent the mean  $\pm$  SD. The reference values are based on the baseline (-1 wk) measurements. Asterisks show the significance level with \*:  $p \leq 0.05$ .

C1/C2/T1/T2/T3 Significant difference as compared with e.g. control group 1 (C1) at the same time point.

<sup>^</sup> Outlier excluded from dataset (N = N-1)

Males	N	Electrolytes			Ions	Small molecules (nutrition)	Small molecules (waste products)	
		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)			Creatinine ( $\mu$ mol/L)	Urea (mmol/L)
Reference value	50	166.92 $\pm$ 3.52	8.59 $\pm$ 0.89	111.34 $\pm$ 4.66	2.75 $\pm$ 0.10	8.27 $\pm$ 1.33	45.30 $\pm$ 11.08	6.95 $\pm$ 0.85
Control group 1: 5 wk	10	149.30 $\pm$ 4.22	6.38 $\pm$ 0.84	98.90 $\pm$ 6.17	2.36 $\pm$ 0.06	5.74 $\pm$ 1.24	32.00 $\pm$ 12.90	7.05 $\pm$ 1.00
	11 wk	7	158.57 $\pm$ 2.07	7.24 $\pm$ 0.32	100.29 $\pm$ 1.60	2.37 $\pm$ 0.04	5.91 $\pm$ 0.64	51.00 $\pm$ 19.67
	19 wk	4	142.50 $\pm$ 2.89	6.63 $\pm$ 0.48	100.00 $\pm$ 4.08	1.99 $\pm$ 0.09	5.50 $\pm$ 0.58	ND
	30 wk	4	168.75 $\pm$ 4.79	7.00 $\pm$ 0.41	111.25 $\pm$ 4.79	2.31 $\pm$ 0.07	6.50 $\pm$ 0.41	21.25 $\pm$ 11.81
	43 wk	4	150.00 $\pm$ 0.00	5.50 $\pm$ 0.41	100.00 $\pm$ 0.00	1.98 $\pm$ 0.14	6.38 $\pm$ 0.85	ND
Control group 2: 5 wk	10	149.10 $\pm$ 3.70	6.71 $\pm$ 1.10	99.90 $\pm$ 7.28	2.38 $\pm$ 0.10	6.69 $\pm$ 1.54	32.90 $\pm$ 16.20	7.17 $\pm$ 0.64 <sup>^</sup>
	11 wk	7	158.14 $\pm$ 1.46	7.33 $\pm$ 0.29	100.71 $\pm$ 2.93	2.36 $\pm$ 0.02 <sup>^</sup>	7.41 $\pm$ 2.00	50.14 $\pm$ 21.47
	19 wk	4	140.00 $\pm$ 0.00 <sup>T2*</sup>	6.63 $\pm$ 0.48	100.00 $\pm$ 0.00 <sup>^</sup>	1.96 $\pm$ 0.09	5.50 $\pm$ 0.00 <sup>^</sup>	ND
	30 wk	4	165.00 $\pm$ 0.00	7.00 $\pm$ 0.41	110.00 $\pm$ 0.00	2.38 $\pm$ 0.12	7.63 $\pm$ 0.48	36.25 $\pm$ 16.52
	43 wk	4	151.25 $\pm$ 6.29	5.38 $\pm$ 0.63	100.00 $\pm$ 0.00 <sup>^</sup>	1.98 $\pm$ 0.03	6.50 $\pm$ 1.47	8.00 $\pm$ 2.12
Treatment group 1: 5 wk	10	148.22 $\pm$ 3.56 <sup>^</sup>	6.70 $\pm$ 1.10	100.00 $\pm$ 6.83	2.33 $\pm$ 0.05	5.77 $\pm$ 1.70	32.80 $\pm$ 14.64	7.44 $\pm$ 0.85
	11 wk	7	158.50 $\pm$ 2.95 <sup>^</sup>	7.50 $\pm$ 0.55	101.00 $\pm$ 1.55 <sup>^</sup>	2.35 $\pm$ 0.11	6.56 $\pm$ 0.84	70.00 $\pm$ 5.25 <sup>^</sup>
	19 wk	3	145.00 $\pm$ 0.00 <sup>^</sup>	6.50 $\pm$ 0.00 <sup>^</sup>	100.00 $\pm$ 0.00	2.05 $\pm$ 0.00 <sup>^</sup>	5.17 $\pm$ 0.76	ND
	30 wk	3	170.00 $\pm$ 0.00	7.00 $\pm$ 0.00 <sup>^</sup>	110.00 $\pm$ 0.00 <sup>^</sup>	2.37 $\pm$ 0.08	6.83 $\pm$ 1.04	35.00 $\pm$ 13.23
	43 wk	3	150.00 $\pm$ 0.00 <sup>^</sup>	6.00 $\pm$ 0.00 <sup>^</sup>	100.00 $\pm$ 0.00 <sup>^</sup>	2.02 $\pm$ 0.10	6.17 $\pm$ 1.89	ND
Treatment group 2: 5 wk	10	150.11 $\pm$ 2.32 <sup>^</sup>	6.26 $\pm$ 0.79	100.30 $\pm$ 5.87	2.38 $\pm$ 0.10	5.13 $\pm$ 1.11	35.70 $\pm$ 11.01	7.46 $\pm$ 1.14
	11 wk	7	160.71 $\pm$ 2.36	7.25 $\pm$ 0.23 <sup>^</sup>	103.71 $\pm$ 2.36	2.37 $\pm$ 0.03 <sup>^</sup>	5.31 $\pm$ 1.34	ND
	19 wk	4	147.50 $\pm$ 2.89 <sup>C2*</sup>	6.50 $\pm$ 0.00 <sup>^</sup>	105.00 $\pm$ 0.00 <sup>^</sup>	2.06 $\pm$ 0.09	5.75 $\pm$ 0.65	ND
	30 wk	4	165.00 $\pm$ 0.00 <sup>^</sup>	7.25 $\pm$ 0.29	110.00 $\pm$ 0.00 <sup>^</sup>	2.25 $\pm$ 0.00 <sup>^</sup>	6.63 $\pm$ 2.10	42.50 $\pm$ 25.98
	43 wk	4	150.00 $\pm$ 4.08	6.75 $\pm$ 2.06	100.00 $\pm$ 0.00 <sup>^</sup>	1.98 $\pm$ 0.13	5.25 $\pm$ 0.87	ND
Treatment group 3: 5 wk	10	150.20 $\pm$ 4.44	6.27 $\pm$ 0.75	99.80 $\pm$ 8.98	2.36 $\pm$ 0.07	5.60 $\pm$ 2.45	31.50 $\pm$ 16.08	7.59 $\pm$ 1.51
	11 wk	7	159.00 $\pm$ 2.45	7.24 $\pm$ 0.50	102.00 $\pm$ 2.45	2.42 $\pm$ 0.08	6.09 $\pm$ 1.80	ND
	19 wk	4	143.75 $\pm$ 4.79	6.25 $\pm$ 0.29	100.00 $\pm$ 0.00 <sup>^</sup>	2.05 $\pm$ 0.14	4.75 $\pm$ 0.87	ND
	30 wk	4	166.25 $\pm$ 6.29	7.00 $\pm$ 0.00 <sup>^</sup>	110.00 $\pm$ 4.08	2.30 $\pm$ 0.11	6.88 $\pm$ 1.89	30.00 $\pm$ 15.81
	43 wk	4	150.00 $\pm$ 4.08	5.13 $\pm$ 0.63	100.00 $\pm$ 0.00 <sup>^</sup>	2.00 $\pm$ 0.00	6.13 $\pm$ 1.65	ND

ND: Not determined. (Value was below detection limit.)

**Table S18.** Clinical chemistry parameters in male mice. Values represent the mean  $\pm$  SD. The reference values are based on the baseline (-1 wk) measurements. Asterisks show the significance level with \*:  $p \leq 0.05$ .

C1/C2/T1/T2/T3 Significant difference as compared with e.g. control group 1 (C1) at the same time point.

<sup>^</sup> Outlier excluded from dataset (N = N-1)

Males	N	Proteins (general)	Proteins (enzymes)					Lipids
		Total Protein (g/L)	ALT (U/L)	AST (U/L)	Alk. Phosphatase (U/L)	Amylase (U/L)	Lipase (U/L)	Cholesterol (mmol/L)
Reference value	50	62.70 $\pm$ 3.11	37.84 $\pm$ 10.74 <sup>^</sup>	221.33 $\pm$ 152.18 <sup>^</sup>	202.78 $\pm$ 21.39 <sup>^</sup>	3821.14 $\pm$ 922.61 <sup>^</sup>	34.80 $\pm$ 4.16	3.60 $\pm$ 0.32
Control group 1: 5 wk	10	48.50 $\pm$ 3.21	38.22 $\pm$ 6.14 <sup>^</sup>	86.90 $\pm$ 21.42 <sup>T1*</sup>	120.44 $\pm$ 8.59 <sup>^</sup> <sup>T3*</sup>	2537.80 $\pm$ 263.31	27.20 $\pm$ 2.82	3.00 $\pm$ 0.22
	11 wk	54.00 $\pm$ 0.00 <sup>^</sup>	42.00 $\pm$ 6.00	136.29 $\pm$ 55.96	98.14 $\pm$ 8.25	2586.00 $\pm$ 69.30 <sup>^</sup>	29.57 $\pm$ 2.70	3.00 $\pm$ 0.00 <sup>^</sup>
	19 wk	42.50 $\pm$ 6.45	ND	88.75 $\pm$ 11.09	70.00 $\pm$ 0.00 <sup>^</sup> <sup>T2*/T3*</sup>	2075.00 $\pm$ 37.75 <sup>^</sup>	12.50 $\pm$ 6.45	2.50 $\pm$ 0.00 <sup>^</sup>
	30 wk	50.00 $\pm$ 4.08 <sup>C2*</sup>	23.83 $\pm$ 0.29 <sup>^</sup>	110.00 $\pm$ 25.50	72.50 $\pm$ 6.45	2667.50 $\pm$ 251.35	33.75 $\pm$ 6.29	2.50 $\pm$ 0.00 <sup>^</sup>
	43 wk	45.00 $\pm$ 4.08	58.75 $\pm$ 17.97	81.25 $\pm$ 30.92	72.50 $\pm$ 6.45	2458.75 $\pm$ 46.08 <sup>T1*</sup>	25.00 $\pm$ 0.00 <sup>^</sup>	2.50 $\pm$ 0.41
Control group 2: 5 wk	10	48.60 $\pm$ 1.78	50.20 $\pm$ 16.17	119.56 $\pm$ 53.82 <sup>^</sup>	117.70 $\pm$ 8.30	2488.67 $\pm$ 189.94 <sup>^</sup>	29.20 $\pm$ 3.68 <sup>T3*</sup>	2.84 $\pm$ 0.15 <sup>^</sup>
	11 wk	54.86 $\pm$ 1.46	40.71 $\pm$ 7.32	111.50 $\pm$ 30.02 <sup>^</sup>	100.29 $\pm$ 7.72	2499.00 $\pm$ 138.83 <sup>^</sup>	25.29 $\pm$ 2.93	2.87 $\pm$ 0.24
	19 wk	46.25 $\pm$ 4.79	ND	158.75 $\pm$ 58.65	62.50 $\pm$ 6.45 <sup>T2*/T3**</sup>	2016.25 $\pm$ 219.79	20.00 $\pm$ 7.07	2.38 $\pm$ 0.48
	30 wk	55.00 $\pm$ 0.00 <sup>C1*</sup>	31.25 $\pm$ 6.29	136.25 $\pm$ 53.44	80.00 $\pm$ 7.07	2700.00 $\pm$ 135.83	32.50 $\pm$ 6.45	2.75 $\pm$ 0.29
	43 wk	45.00 $\pm$ 0.00 <sup>^</sup>	50.00 $\pm$ 16.83	65.00 $\pm$ 19.58	67.50 $\pm$ 2.89	2427.50 $\pm$ 167.21 <sup>T1*</sup>	25.00 $\pm$ 0.00 <sup>^</sup>	2.50 $\pm$ 0.00 <sup>^</sup>
Treatment group 1: 5 wk	10	49.40 $\pm$ 2.41	48.44 $\pm$ 11.20 <sup>^</sup>	158.70 $\pm$ 85.00 <sup>C1*</sup>	114.00 $\pm$ 8.28 <sup>^</sup>	2539.56 $\pm$ 142.08 <sup>^</sup>	27.07 $\pm$ 4.24 <sup>^</sup>	3.02 $\pm$ 0.23
	11 wk	53.57 $\pm$ 3.64 <sup>T3*</sup>	42.00 $\pm$ 4.58	149.57 $\pm$ 51.97	98.57 $\pm$ 4.04	2644.00 $\pm$ 166.86 <sup>^</sup> <sup>T2*</sup>	30.50 $\pm$ 2.26 <sup>^</sup>	2.87 $\pm$ 0.24
	19 wk	40.00 $\pm$ 0.00 <sup>^</sup>	ND	93.33 $\pm$ 23.63	70.00 $\pm$ 0.00 <sup>^</sup>	2098.33 $\pm$ 102.63	25.00 $\pm$ 13.23	2.50 $\pm$ 0.00 <sup>^</sup>
	30 wk	55.00 $\pm$ 0.00 <sup>^</sup>	25.00 $\pm$ 0.00 <sup>^</sup>	80.00 $\pm$ 22.91	85.00 $\pm$ 10.00	3003.33 $\pm$ 122.51	35.00 $\pm$ 5.00	2.50 $\pm$ 0.00 <sup>^</sup>
	43 wk	45.00 $\pm$ 0.00 <sup>^</sup>	40.00 $\pm$ 0.00 <sup>^</sup>	113.33 $\pm$ 27.57	68.33 $\pm$ 20.82	2970.00 $\pm$ 0.00 <sup>^</sup> <sup>C1*/C2*/T3*</sup>	36.67 $\pm$ 12.58	2.50 $\pm$ 0.00
Treatment group 2: 5 wk	10	51.20 $\pm$ 3.26	43.67 $\pm$ 9.67 <sup>^</sup>	146.40 $\pm$ 38.81	112.40 $\pm$ 16.22	2535.80 $\pm$ 223.82	24.98 $\pm$ 4.66	3.13 $\pm$ 0.41
	11 wk	56.14 $\pm$ 2.27	36.86 $\pm$ 2.85	117.00 $\pm$ 41.82	96.86 $\pm$ 9.44	2424.43 $\pm$ 133.11 <sup>T1*</sup>	25.71 $\pm$ 2.93	3.04 $\pm$ 0.21
	19 wk	45.00 $\pm$ 0.00 <sup>^</sup>	ND	106.25 $\pm$ 56.77	85.00 $\pm$ 0.00 <sup>^</sup> <sup>C1*/C2*</sup>	2172.50 $\pm$ 97.77	18.75 $\pm$ 8.54	2.50 $\pm$ 0.00
	30 wk	50.00 $\pm$ 0.00 <sup>^</sup>	32.63 $\pm$ 8.42	152.50 $\pm$ 72.63	80.00 $\pm$ 0.00	2852.50 $\pm$ 169.53	35.00 $\pm$ 13.54	2.50 $\pm$ 0.00
	43 wk	47.50 $\pm$ 2.89	53.75 $\pm$ 20.56	93.75 $\pm$ 8.54	75.00 $\pm$ 15.81	2566.25 $\pm$ 206.74	33.75 $\pm$ 11.81	2.50 $\pm$ 0.00 <sup>^</sup>
Treatment group 3: 5 wk	10	49.50 $\pm$ 2.42	46.70 $\pm$ 13.01	116.80 $\pm$ 47.99	103.20 $\pm$ 13.73 <sup>C1*</sup>	2547.22 $\pm$ 278.84 <sup>^</sup>	22.50 $\pm$ 3.27 <sup>C2*</sup>	3.15 $\pm$ 0.34
	11 wk	57.43 $\pm$ 2.07 <sup>T1*</sup>	44.14 $\pm$ 4.14	102.86 $\pm$ 34.63	99.43 $\pm$ 5.59	2533.50 $\pm$ 45.96 <sup>^</sup>	27.00 $\pm$ 4.90	3.04 $\pm$ 0.27
	19 wk	48.75 $\pm$ 6.29	ND	88.75 $\pm$ 40.29	83.75 $\pm$ 7.50 <sup>C1*/C2**</sup>	2346.67 $\pm$ 32.53 <sup>^</sup>	23.75 $\pm$ 7.50	2.50 $\pm$ 0.41
	30 wk	50.00 $\pm$ 0.00 <sup>^</sup>	30.00 $\pm$ 0.00 <sup>^</sup>	117.50 $\pm$ 32.02	87.50 $\pm$ 8.66	2842.50 $\pm$ 114.20	30.00 $\pm$ 7.07	2.75 $\pm$ 0.29
	43 wk	45.00 $\pm$ 0.00 <sup>^</sup>	63.75 $\pm$ 24.96	97.50 $\pm$ 49.41	80.00 $\pm$ 17.80	2453.75 $\pm$ 188.74 <sup>T1*</sup>	30.00 $\pm$ 7.07	2.50 $\pm$ 0.00 <sup>^</sup>

ND: Not determined. (Value was below detection limit.)

**Table S19.** Clinical chemistry parameters in female mice. Values represent the mean  $\pm$  SD. The reference values are based on the baseline (-1 wk) measurements. Asterisks show the significance level with \*:  $p \leq 0.05$ .

C1/C2/T1/T2/T3 Significant difference as compared with e.g. control group 1 (C1) at the same time point.

<sup>^</sup> Outlier excluded from dataset (N = N-1)

Females	N	Electrolytes			Ions	Small molecules (nutrition)	Small molecules (waste products)	
		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)			Creatinine ( $\mu$ mol/L)	Urea (mmol/L)
Reference value	25	172.32 $\pm$ 4.25	8.18 $\pm$ 0.80	106.68 $\pm$ 2.75	2.61 $\pm$ 0.12	7.24 $\pm$ 0.76	51.64 $\pm$ 10.42	7.41 $\pm$ 1.11
Control group 1: 5 wk	10	142.20 $\pm$ 3.22 <sup>T2**/T3**</sup>	9.75 $\pm$ 1.76	102.30 $\pm$ 2.63 <sup>T2*/T3*</sup>	2.24 $\pm$ 0.07	5.10 $\pm$ 1.16	39.30 $\pm$ 3.59	7.71 $\pm$ 1.32 <sup>T2*</sup>
	11 wk	150.00 $\pm$ 0.00	7.11 $\pm$ 0.79	99.00 $\pm$ 0.00	2.29 $\pm$ 0.07	4.76 $\pm$ 0.59	69.86 $\pm$ 13.93	6.20 $\pm$ 0.73 <sup>^</sup>
	19 wk	142.86 $\pm$ 4.88	5.71 $\pm$ 0.76	100.71 $\pm$ 3.45	2.13 $\pm$ 0.11	5.50 $\pm$ 1.12	ND	6.29 $\pm$ 0.95 <sup>T3**</sup>
	30 wk	167.50 $\pm$ 2.89	6.75 $\pm$ 0.29	110.00 $\pm$ 0.00	2.34 $\pm$ 0.06	6.38 $\pm$ 0.48	40.00 $\pm$ 14.72	6.38 $\pm$ 0.85
	43 wk	150.00 $\pm$ 0.00	5.00 $\pm$ 0.41	105.00 $\pm$ 0.00 <sup>^/T1*/T2*</sup>	2.01 $\pm$ 0.07	5.88 $\pm$ 1.31	37.00 $\pm$ 1.73 <sup>^</sup>	6.50 $\pm$ 0.00 <sup>^</sup>
Control group 2: 5 wk	10	144.60 $\pm$ 3.10	8.52 $\pm$ 1.83	104.10 $\pm$ 2.47 <sup>T2*</sup>	2.22 $\pm$ 0.06	4.95 $\pm$ 1.06	38.70 $\pm$ 4.79	7.83 $\pm$ 0.88 <sup>T2*</sup>
	11 wk	145.29 $\pm$ 7.52 <sup>T2*/T3*</sup>	7.07 $\pm$ 0.62	97.29 $\pm$ 6.21	2.24 $\pm$ 0.13 <sup>T2*</sup>	5.40 $\pm$ 1.04	69.86 $\pm$ 25.96	7.07 $\pm$ 1.19
	19 wk	147.14 $\pm$ 2.67	5.71 $\pm$ 1.15	103.57 $\pm$ 2.44	2.11 $\pm$ 0.13	5.79 $\pm$ 0.39	ND	6.14 $\pm$ 0.38 <sup>T3**</sup>
	30 wk	165.00 $\pm$ 4.08	6.75 $\pm$ 0.29	112.50 $\pm$ 2.89	2.35 $\pm$ 0.06	6.50 $\pm$ 1.08	23.75 $\pm$ 7.50	7.00 $\pm$ 0.00 <sup>^</sup>
	43 wk	145.00 $\pm$ 5.00 <sup>^</sup>	4.38 $\pm$ 1.03	101.67 $\pm$ 2.89 <sup>^</sup>	2.02 $\pm$ 0.06 <sup>^</sup>	5.00 $\pm$ 2.08	28.00 $\pm$ 4.24	6.17 $\pm$ 0.76 <sup>^</sup>
Treatment group 1: 5 wk	10	142.50 $\pm$ 2.92 <sup>T2**/T3*</sup>	9.09 $\pm$ 1.84	102.60 $\pm$ 3.10 <sup>T2*/T3*</sup>	2.22 $\pm$ 0.07	4.50 $\pm$ 1.49	37.20 $\pm$ 9.61	6.84 $\pm$ 1.27 <sup>T2***/T3**</sup>
	11 wk	150.00 $\pm$ 0.00	7.37 $\pm$ 0.45	100.71 $\pm$ 1.60	2.27 $\pm$ 0.08	5.96 $\pm$ 0.74 <sup>T2*</sup>	56.14 $\pm$ 22.30	7.24 $\pm$ 1.10
	19 wk	142.86 $\pm$ 2.67	5.64 $\pm$ 0.94	102.86 $\pm$ 2.67	2.14 $\pm$ 0.12	5.93 $\pm$ 1.06	ND	7.29 $\pm$ 1.04
	30 wk	165.00 $\pm$ 0.00 <sup>^</sup>	7.50 $\pm$ 0.00 <sup>^</sup>	111.25 $\pm$ 4.79	2.33 $\pm$ 0.03	6.50 $\pm$ 1.22	37.50 $\pm$ 24.66	7.00 $\pm$ 1.78
	43 wk	145.00 $\pm$ 0.00 <sup>^</sup>	5.00 $\pm$ 0.00 <sup>^</sup>	100.00 $\pm$ 0.00 <sup>^/C1*/T3*</sup>	2.05 $\pm$ 0.00 <sup>^</sup>	6.83 $\pm$ 1.04	33.00 $\pm$ 0.00 <sup>^</sup>	6.00 $\pm$ 0.00 <sup>^</sup>
Treatment group 2: 5 wk	10	147.90 $\pm$ 2.47 <sup>C1**/T1**</sup>	8.04 $\pm$ 1.38	108.30 $\pm$ 2.63 <sup>C1*/C2*/T1*</sup>	2.28 $\pm$ 0.07	5.91 $\pm$ 1.17	36.30 $\pm$ 3.59	9.48 $\pm$ 0.83 <sup>C1*/C2*/T1***</sup>
	11 wk	152.57 $\pm$ 4.72 <sup>C2*</sup>	7.33 $\pm$ 0.62	100.71 $\pm$ 3.82	2.40 $\pm$ 0.10 <sup>C2*</sup>	4.60 $\pm$ 0.41 <sup>^/T1*</sup>	73.29 $\pm$ 19.12	7.41 $\pm$ 0.62
	19 wk	143.57 $\pm$ 3.78	5.71 $\pm$ 1.04	102.14 $\pm$ 2.67	2.10 $\pm$ 0.16	6.00 $\pm$ 0.82	ND	6.64 $\pm$ 1.07 <sup>T3*</sup>
	30 wk	165.00 $\pm$ 0.00 <sup>^</sup>	7.38 $\pm$ 0.48	110.00 $\pm$ 0.00 <sup>^</sup>	2.41 $\pm$ 0.05	7.13 $\pm$ 0.48	61.25 $\pm$ 18.87	7.50 $\pm$ 0.71
	43 wk	150.00 $\pm$ 7.07	5.25 $\pm$ 0.65	100.00 $\pm$ 0.00 <sup>^/C1*/T3*</sup>	2.15 $\pm$ 0.20	5.88 $\pm$ 0.95	34.00 $\pm$ 9.59	8.13 $\pm$ 2.95
Treatment group 3: 5 wk	10	147.30 $\pm$ 4.11 <sup>C1***/T1*</sup>	8.19 $\pm$ 1.94	107.10 $\pm$ 3.75 <sup>C1*/T1*</sup>	2.25 $\pm$ 0.08	5.28 $\pm$ 1.42	35.40 $\pm$ 4.86	8.94 $\pm$ 1.32 <sup>T1**</sup>
	11 wk	153.00 $\pm$ 3.46 <sup>C2*</sup>	7.67 $\pm$ 0.52	101.14 $\pm$ 2.27	2.37 $\pm$ 0.08	5.57 $\pm$ 1.02	72.00 $\pm$ 25.40	7.97 $\pm$ 1.26
	19 wk	143.57 $\pm$ 2.44	5.86 $\pm$ 0.90	102.86 $\pm$ 2.67	2.08 $\pm$ 0.08	6.43 $\pm$ 1.17	ND	8.50 $\pm$ 1.80 <sup>C1***/C2***/T2*</sup>
	30 wk	167.50 $\pm$ 2.89	7.13 $\pm$ 0.48	112.50 $\pm$ 2.89	2.39 $\pm$ 0.05	7.00 $\pm$ 0.41	37.50 $\pm$ 22.17	9.25 $\pm$ 2.40
	43 wk	150.00 $\pm$ 0.00 <sup>^</sup>	5.75 $\pm$ 1.19	105.00 $\pm$ 0.00 <sup>^/T1*/T2*</sup>	2.10 $\pm$ 0.05 <sup>^</sup>	9.50 $\pm$ 4.38	36.75 $\pm$ 7.09	8.63 $\pm$ 2.56

ND: Not determined. (Value was below detection limit.)

**Table S20.** Clinical chemistry parameters in female mice. Values represent the mean  $\pm$  SD. The reference values are based on the baseline (-1 wk) measurements. Asterisks show the significance level with \*:  $p \leq 0.05$ .

C1/C2/T1/T2/T3 Significant difference as compared with e.g. control group 1 (C1) at the same time point.

<sup>^</sup> Outlier excluded from dataset (N = N-1)

Females	N	Proteins (general)		Proteins (enzymes)				Lipids
		Total Protein (g/L)		ALT (U/L)	AST (U/L)	Alk. Phosphatase (U/L)	Amylase (U/L)	Cholesterol (mmol/L)
Reference value	25	56.72 $\pm$ 3.12		36.36 $\pm$ 10.22	236.08 $\pm$ 104.44 <sup>^</sup>	187.17 $\pm$ 21.50 <sup>^</sup>	3043.58 $\pm$ 362.10 <sup>^</sup>	33.32 $\pm$ 3.29
Control group 1: 5 wk	10	48.30 $\pm$ 3.30		34.00 $\pm$ 15.66 <sup>^</sup>	137.40 $\pm$ 57.25	103.67 $\pm$ 4.27 <sup>^</sup>	2264.10 $\pm$ 320.44	25.50 $\pm$ 3.54 <sup>T2*/T3*</sup>
	11 wk	51.86 $\pm$ 1.46		33.00 $\pm$ 9.64	142.50 $\pm$ 56.63 <sup>^</sup>	94.71 $\pm$ 9.93	2343.50 $\pm$ 56.65 <sup>^</sup>	24.00 $\pm$ 2.45
	19 wk	47.14 $\pm$ 5.67	ND		100.00 $\pm$ 39.48	73.57 $\pm$ 5.56	2177.14 $\pm$ 88.59	22.86 $\pm$ 15.24
	30 wk	55.00 $\pm$ 0.00 <sup>^</sup>		25.38 $\pm$ 3.50	115.00 $\pm$ 12.91	80.00 $\pm$ 12.25	2872.50 $\pm$ 241.95	35.00 $\pm$ 4.08
	43 wk	45.00 $\pm$ 0.00 <sup>^</sup>		52.50 $\pm$ 16.58	105.00 $\pm$ 30.28	77.50 $\pm$ 9.57	2368.75 $\pm$ 192.67	35.00 $\pm$ 5.77
Control group 2: 5 wk	10	48.00 $\pm$ 2.00		35.33 $\pm$ 15.06 <sup>^</sup>	159.90 $\pm$ 75.14	100.20 $\pm$ 6.96	2394.00 $\pm$ 456.64	23.70 $\pm$ 1.70
	11 wk	49.29 $\pm$ 2.93 <sup>T2*</sup>		33.00 $\pm$ 4.58	156.43 $\pm$ 55.17	84.43 $\pm$ 7.63	2479.00 $\pm$ 508.35 <sup>^</sup>	22.71 $\pm$ 2.36
	19 wk	45.71 $\pm$ 6.07	ND		113.57 $\pm$ 40.28	73.57 $\pm$ 9.88	2310.00 $\pm$ 387.62	17.14 $\pm$ 8.09
	30 wk	52.50 $\pm$ 2.89		23.00 $\pm$ 0.87 <sup>^</sup>	97.50 $\pm$ 17.56	86.25 $\pm$ 8.54	2881.25 $\pm$ 244.76	30.00 $\pm$ 0.00 <sup>^</sup>
	43 wk	41.25 $\pm$ 11.09		38.75 $\pm$ 8.54	87.50 $\pm$ 22.55	71.25 $\pm$ 14.93 <sup>T3*</sup>	2196.25 $\pm$ 660.32	32.50 $\pm$ 8.66
Treatment group 1: 5 wk	10	47.70 $\pm$ 3.86		30.67 $\pm$ 7.76 <sup>^</sup>	146.33 $\pm$ 50.91 <sup>^</sup>	104.70 $\pm$ 11.61	2207.00 $\pm$ 90.54 <sup>^</sup>	24.60 $\pm$ 2.76 <sup>T2*</sup>
	11 wk	50.14 $\pm$ 1.46 <sup>T2*</sup>		31.71 $\pm$ 8.64	168.43 $\pm$ 97.85	85.71 $\pm$ 8.98	2291.50 $\pm$ 234.84 <sup>^</sup>	22.71 $\pm$ 5.44
	19 wk	45.00 $\pm$ 5.00	ND		93.57 $\pm$ 26.41	68.75 $\pm$ 4.76	2194.29 $\pm$ 115.59	18.57 $\pm$ 10.69
	30 wk	50.00 $\pm$ 0.00 <sup>^</sup>		26.75 $\pm$ 10.37	177.50 $\pm$ 166.76	75.00 $\pm$ 0.00 <sup>^</sup>	2801.25 $\pm$ 269.86	32.50 $\pm$ 2.89
	43 wk	45.00 $\pm$ 5.00		80.00 $\pm$ 27.84	98.33 $\pm$ 10.41	86.67 $\pm$ 16.07	2558.33 $\pm$ 396.78	30.00 $\pm$ 0.00 <sup>^</sup>
Treatment group 2: 5 wk	10	48.60 $\pm$ 3.95		39.67 $\pm$ 16.14 <sup>^</sup>	166.00 $\pm$ 42.43 <sup>^</sup>	96.60 $\pm$ 11.73	2298.30 $\pm$ 208.47	20.10 $\pm$ 4.01 <sup>C1*/T1*</sup>
	11 wk	54.00 $\pm$ 3.00 <sup>C2*/T1*</sup>		32.57 $\pm$ 8.90	168.00 $\pm$ 92.01	92.57 $\pm$ 8.90	2444.50 $\pm$ 166.64 <sup>^</sup>	22.71 $\pm$ 2.93
	19 wk	43.57 $\pm$ 6.27	ND		121.43 $\pm$ 62.70	75.00 $\pm$ 8.16	2123.57 $\pm$ 314.48	16.43 $\pm$ 9.88
	30 wk	52.50 $\pm$ 2.89		31.88 $\pm$ 9.44	203.75 $\pm$ 113.31	87.50 $\pm$ 8.66	2660.00 $\pm$ 124.30	43.75 $\pm$ 4.79
	43 wk	46.25 $\pm$ 6.29		65.00 $\pm$ 30.00	96.25 $\pm$ 34.73	88.75 $\pm$ 7.50	2225.00 $\pm$ 21.79 <sup>^</sup>	33.75 $\pm$ 4.79
Treatment group 3: 5 wk	10	48.30 $\pm$ 4.11		38.33 $\pm$ 12.53	192.00 $\pm$ 67.84	96.00 $\pm$ 15.81	2403.60 $\pm$ 343.28	21.00 $\pm$ 4.69 <sup>C1*</sup>
	11 wk	51.00 $\pm$ 3.00		38.57 $\pm$ 10.88	179.14 $\pm$ 76.54	93.00 $\pm$ 4.65 <sup>^</sup>	2658.00 $\pm$ 343.28	25.29 $\pm$ 5.15
	19 wk	41.43 $\pm$ 2.44	ND		124.29 $\pm$ 33.59	81.43 $\pm$ 10.69	2228.57 $\pm$ 261.88	16.43 $\pm$ 10.69
	30 wk	52.50 $\pm$ 2.89		28.75 $\pm$ 8.33	156.25 $\pm$ 76.63	90.00 $\pm$ 9.13	2912.50 $\pm$ 427.40	36.25 $\pm$ 10.31
	43 wk	45.00 $\pm$ 0.00 <sup>^</sup>		80.00 $\pm$ 27.99	135.00 $\pm$ 64.16	110.00 $\pm$ 26.46 <sup>C2*</sup>	2690.00 $\pm$ 667.66	45.00 $\pm$ 0.00 <sup>^</sup>

ND: Not determined. (Value was below detection limit.)