

Test	Description	Unit	Female	Female wild type	Male	Male wild type
			TPI ^{l1e170Val/l1e170Val}		TPI ^{l1e170Val/l1e170Val}	
Acoustic_startle_PPI	Percentage Prepulse inhibition - Global	%	48.6 (42.1, 57.7)	53.5 (45.8, 64.2)	54 (50, 60.2)	53.4 (44.7, 61.9)
Acoustic_startle_PPI	Percentage Prepulse inhibition - PP 67 dB;Percentage Prepulse inhibition - PP67	%	46.1 (38.9, 56.5)	49.2 (41.5, 64.1)	47.9 (30.8, 55.2)	55.3 (38.7, 56.9)
Acoustic_startle_PPI	Percentage Prepulse inhibition - PP 69 dB;Percentage Prepulse inhibition - PP69	%	47.7 (41.6, 55.9)	60.8 (44.1, 65.6)	54.5 (50.1, 64.2)	51.9 (46.8, 61.8)
Acoustic_startle_PPI	Percentage Prepulse inhibition - PP 73 dB;Percentage Prepulse inhibition - PP73	%	57.5 (40.9, 64.3)	58.7 (47.8, 62.7)	58.1 (54.6, 60.5)	56.2 (44.6, 65.1)
Acoustic_startle_PPI	Percentage Prepulse inhibition - PP 81 dB;Percentage Prepulse inhibition - PP81	%	57.8 (43.1, 64.3)	56.3 (46.1, 63.9)	60.2 (53.1, 64.9)	56.2 (51.2, 72.2)
Acoustic_startle_PPI	Acoustic Startle Response at 100 dB	dB	215.4 (162.9, 260.1)	259.6 (196.3, 353.6)	341.2 (280.2, 450.7)	409.6 (279, 542.5)
Acoustic_startle_PPI	Acoustic Startle Response at 110 dB	dB	289.2 (183.9, 340.6)	289.7 (245.6, 404.3)	423.8 (302.8, 618.7)	470.5 (372.5, 643.8)
Acoustic_startle_PPI	Acoustic Startle Response at 120 dB	dB	266.1 (183.6, 338.3)	291.1 (205.3, 406.6)	492.7 (307.1, 707.6)	629.8 (398, 759.8)
Acoustic_startle_PPI	Acoustic Startle Response at 70 dB	dB	95.8 (82.4, 109.5)	100.8 (79.8, 111.2)	101.5 (95.1, 120.1)	116 (108.9, 132.7)
Acoustic_startle_PPI	Acoustic Startle Response at 80 dB	dB	125 (95.8, 157.3)	124.9 (110.2, 155.4)	138.9 (136.2, 151.8)	154 (132.5, 179.8)
Acoustic_startle_PPI	Acoustic Startle Response at 85 dB	dB	127.5 (107.8, 154.6)	148.2 (123.6, 191.7)	170.9 (152.6, 234.3)	179.9 (153.1, 260.4)
Acoustic_startle_PPI	Acoustic Startle Response at 90 dB	dB	183.7 (150.7, 222.1)	202.7 (160.2, 259.4)	237.8 (210.2, 349.1)	251.2 (190.7, 336.6)
Calorimetry	Total food intake per single-housed mouse and day	g	2.8 (2.5, 3)	2.5 (2.2, 3.2)	2.8 (2.5, 3.3)	3.1 (2.7, 3.4)
Calorimetry	Body temperature	°C	36.4 (36, 36.6)	36.5 (35.9, 36.6)	36.1 (35.6, 36.4)	35.9 (35.8, 36.2)
Calorimetry	Water consumption in ml	ml	4.1 (3.8, 4.3)	4.5 (3.7, 4.6)	4.3 (4, 4.4)	3.9 (3.8, 4.3)
Calorimetry	Differential distance with reference to the sample interval	cm	960.2 (816.5, 1349.8)	1133.1 (932.1, 1332.1)	889.1 (792.4, 1039.9)	821.6 (687.7, 942.7)
Calorimetry	Mean heat production	kJ/h/animal	1.6 (1.6, 1.7)	1.7 (1.6, 1.7)	1.8 (1.8, 1.9)	1.8 (1.8, 1.9)

Calorimetry	Mean respiratory exchange rate	VCO ₂ /VO ₂	0.9 (0.9, 0.9)	0.9 (0.9, 0.9)	0.9 (0.9, 0.9)	0.9 (0.9, 0.9)
Calorimetry	Mean carbon dioxide production	ml/(h animal)	72.3 (70.6, 74.6)	73.4 (69.3, 78.7)	80.6 (76.3, 83.7)	81.4 (77.3, 86.3)
Calorimetry	Mean oxygen consumption per time	ml/(h animal)	79.6 (77.2, 83.8)	81.3 (78.1, 83.9)	88.7 (84.9, 91.4)	89.5 (85.7, 93.5)
Calorimetry	Mean breaks X-beam, ambulatory movement: Breaks of any two different X-beams of light at the lower X level. Records beam-breaks of movements in which, for example light barrier X _n is first interrupted followed by an interruption to a different light barrier X _m . The counter records the new interruption after a different light barrier has been interrupted first.	counts	602.8 (519.9, 837.9)	684.2 (565.6, 738)	552.8 (491.4, 670.8)	525.7 (418.8, 617.6)
Calorimetry	Mean breaks X-beam, fine movement: Two consecutive breaks of a single beam of light at the lower level X. The counter records the interruption of a light barrier that has been interrupted for the second time in succession without a different light barrier having first been interrupted.	counts	227.9 (218.9, 275.7)	244.2 (235.7, 261.9)	226.6 (210.9, 251.9)	213.6 (195.3, 246.1)
Calorimetry	Means breaks X-beam total (is equivalent to XA + XF). A light barrier interruption is counted as either an ambulatory or a fine movement.	counts	829.1 (740.2, 1116.1)	928.8 (806.6, 994.6)	779.4 (700.8, 925.7)	740.5 (616, 855.9)

Calorimetry	Mean break Y-beam, ambulatory movement: Breaks of any two different Y-beams of light at the lower Y level. Records beam-breaks of movements in which, for example light barrier Yn ist first interrupted followed by an interruption to a different light barrier Ym. The counter records the new interruption after a different light barrier has been interrupted first.	counts	569.1 (467.4, 722.3)	608.1 (516.2, 693)	524.5 (494.1, 646.9)	511.9 (393.5, 611.9)
Calorimetry	Mean breaks Y-beam, fine Movement: Two consecutive breaks of a single beam of light at the lower level Y. The counter records the interruption of a light barrier that has been interrupted for the second time in succession without a different light barrier having first been interrupted.	counts	231.9 (217.5, 268.4)	241 (231.1, 260.6)	228 (211.6, 251.4)	225.2 (194.4, 243)
Calorimetry	Mean breaks Z-beam, rearing movement: A break of a beam of light at the upper level Z. (No differentiation is made between ambulatory and fine movements.)	counts	132.5 (84.1, 156.1)	132 (93.2, 163.1)	95.2 (75, 131.1)	94 (82.8, 108.3)
Clinical_chemistry	Albumin concentration in plasma	g/l	28.8 (28.3, 29.4)	28.1 (27.7, 30.1)	27.4 (26.9, 27.9)	27.4 (26.9, 28.1)
Clinical_chemistry	alpha-amylase test which uses CNPG3 as substrate of the test reaction	U/l	564.54 (550.59, 605.48)	532.98 (493.2, 578.33)	692.6 (657.46, 728.56)	665.36 (640.94, 703.73)
Clinical_chemistry	alkaline phosphatase activity in plasma	U/l	154 (147, 166.5)	143 (138, 159)	96 (90.5, 101)	95 (87, 100.5)
Clinical_chemistry	Total bilirubin concentration in plasma	μmol/l	0.2 (0.2, 0.2)	0.2 (0.2, 0.2)	0.2 (0.2, 0.2)	0.2 (0.2, 0.2)
Clinical_chemistry	Calcium concentration in plasma	mmol/l	2.41 (2.39, 2.44)	2.46 (2.42, 2.48)	2.42 (2.38, 2.45)	2.41 (2.37, 2.43)
Clinical_chemistry	Cholesterol concentration in plasma	mmol/l	1.999 (1.917, 2.119)	2.087 (2.014, 2.194)	2.811 (2.572, 2.981)	2.777 (2.633, 2.925)
Clinical_chemistry	Chloride concentration in plasma	mmol/l	113.3 (111.9, 113.8)	114.2 (112.8, 115.1)	108.9 (108.2, 109.7)	108.4 (106.2, 110)

Clinical_chemistry	Creatinine concentration in plasma measured enzymatically	μmol/l	14.14 (13.97, 14.98)	14.76 (14.46, 15.91)	15.38 (15.07, 15.87)	14.85 (11.89, 16.13)
Clinical_chemistry	Iron concentration in plasma	μmol/l	25.2 (23.85, 30.9)	26.2 (21.6, 29.5)	19.9 (18.25, 21.6)	19.2 (18.3, 20.25)
Clinical_chemistry	Glucose concentration in plasma	mmol/l	11.53 (10.87, 12.8)	12.4 (11.21, 13.5)	11.82 (9.73, 12.25)	10.47 (9.54, 11.85)
Clinical_chemistry	Aspartate aminotransferase activity in plasma	U/l	50 (45.5, 68.5)	48 (45.5, 63)	51 (44.5, 63)	50 (43.5, 69.5)
Clinical_chemistry	Alanine aminotransferase activity in plasma	U/l	27 (24, 32)	26 (22.5, 33)	34 (30, 36.5)	34 (26, 73.5)
Clinical_chemistry	Potassium concentration in plasma	mmol/l	4.3 (4, 4.4)	4 (3.8, 4.3)	4.4 (4.2, 4.5)	4.2 (4, 4.4)
Clinical_chemistry	Lactate concentration in plasma	mmol/l	11.32 (10.43, 11.92)	11.17 (10.24, 11.61)	11.72 (10.95, 12.02)	11.02 (10.6, 11.68)
Clinical_chemistry	Sodium concentration in plasma	mmol/l	151 (149, 151.5)	151 (150, 152)	148 (148, 149)	148 (146.5, 148)
Clinical_chemistry	Inorganic phosphate concentration in plasma	mmol/l	1.1 (1, 1.25)	1.3 (0.9, 1.45)	1 (0.9, 1.05)	1 (0.9, 1.15)
Clinical_chemistry	Total protein concentration in plasma	g/l	54.7 (52.2, 55)	54.1 (52, 56)	54.2 (53, 55)	54.2 (53, 55.6)
Clinical_chemistry	Triglyceride concentration in plasma	mmol/l	0.927 (0.839, 1.11)	0.798 (0.616, 0.837)	1.573 (1.438, 1.743)	1.659 (1.457, 1.965)
Clinical_chemistry	Unsaturated iron binding capacity in plasma	μmol/l	39.2 (28.6, 41.6)	37.8 (35.3, 39)	41.1 (39.1, 44.5)	43.6 (40.4, 45.7)
Clinical_chemistry	Urea concentration in plasma	mmol/l	9.57 (8.81, 10.56)	9.14 (8.39, 10.45)	10.44 (9.48, 11.03)	10.57 (9.81, 11.44)
DEXA	Body length (cm) from nose tip to base of the tail measured during narcosis	cm	9.5 (9.4, 9.7)	9.5 (9.4, 9.7)	9.7 (9.5, 9.9)	9.8 (9.5, 9.9)
DEXA	Fat mass of whole body scan excluding the skull	g	0.872 (0.16, 1.676)	0 (0, 0.99)	2.343 (0.661, 5.562)	3.909 (1.795, 5.997)
DEXA	Lean mass of whole body scan excluding the skull	g	17.093 (16.389, 17.795)	17.992 (16.889, 18.998)	20.559 (19.215, 22.216)	20.742 (19.437, 21.461)
DEXA	Soft mass of whole body scan excluding the skull	g	18.113 (17.675, 18.479)	17.925 (17.077, 18.312)	23.504 (22.05, 25.069)	23.868 (23.275, 26.428)
DEXA	Bone area of whole body scan excluding the skull	cm ²	4.21 (3.319, 6.668)	3.662 (2.789, 6.565)	4.628 (3.998, 9.854)	8.626 (4.845, 10.003)
ECHO_VEVO2100	Heart rate	bpm	618.07 (580.47, 635.08)	582.68 (381.63, 644.3)	676.06 (589.97, 723.64)	654.54 (493.73, 702.46)
ECHO_VEVO2100	Interventricular septum in diastole	mm	0.5 (0.43, 0.55)	0.53 (0.47, 0.57)	0.55 (0.51, 0.6)	0.52 (0.51, 0.57)
ECHO_VEVO2100	Interventricular septum in systole	mm	0.48 (0.45, 0.57)	0.55 (0.52, 0.61)	0.57 (0.53, 0.59)	0.55 (0.48, 0.56)
ECHO_VEVO2100	Left ventricular internal dimension in diastole	mm	2.32 (2.06, 2.69)	2.59 (2.49, 2.99)	2.48 (2.31, 2.73)	2.67 (2.36, 3.33)

ECHO_VEVO2100	Left ventricular internal dimension in systole	mm	1.36 (1.21, 1.57)	1.47 (1.21, 1.71)	1.38 (1.28, 1.61)	1.65 (1.37, 2.02)
ECHO_VEVO2100	Left ventricular posterior wall width in diastole	mm	0.5 (0.48, 0.58)	0.54 (0.46, 0.58)	0.53 (0.47, 0.56)	0.51 (0.5, 0.55)
ECHO_VEVO2100	Left ventricular posterior wall in systole	mm	0.5 (0.46, 0.54)	0.54 (0.49, 0.62)	0.5 (0.47, 0.54)	0.48 (0.45, 0.54)
ECHO_VEVO2100	Respiration Rate Echo	1/min	241.5 (224.83, 272.91)	256.75 (195, 280.49)	269.66 (252.19, 291.5)	282.35 (255.35, 300.05)
Eye_size	Axial length left eye	mm	3.533 (3.515, 3.55)	3.543 (3.513, 3.57)	3.598 (3.564, 3.607)	3.603 (3.554, 3.617)
Eye_size	Axial length right eye	mm	3.532 (3.492, 3.543)	3.563 (3.526, 3.578)	3.593 (3.571, 3.601)	3.611 (3.579, 3.628)
Eye_size	Body length	mm	97 (95, 98)	98 (96.5, 99)	102 (100.5, 103)	102 (100, 103)
FACS_blood	B-1 cells; CD19+CD5+	%	0.87 (0.76, 1)	0.96 (0.9, 1.16)	0.72 (0.68, 0.94)	0.81 (0.67, 0.91)
FACS_blood	B cells expressing high levels of IgD (as percentage of B cells)	%	88 (87, 89.2)	88.2 (87.7, 89.9)	89.5 (88.75, 90.75)	90.6 (89.85, 91.25)
FACS_blood	MHC II and B220 co-expressing B cells; CD19+MHC II+B220+	%	98 (97.65, 98.15)	98.1 (97.7, 98.45)	98.6 (98.1, 98.65)	98.8 (98.25, 99.1)
FACS_blood	B cells (CD19+ cells; percentage of living leukocytes)	%	49.3 (47.95, 51.6)	48.3 (46.2, 51.5)	55.5 (53.55, 59.5)	58.3 (50.3, 58.9)
FACS_blood	T cells (CD3+ cells; percentage of living leukocytes)	%	24 (22.05, 25.9)	26.7 (24.45, 27.4)	19.9 (16.95, 21.35)	20 (18.9, 21.2)
FACS_blood	CD4+ T cells (percentage of living leukocytes)	%	10.2 (9.29, 11.5)	11.6 (10.75, 12.45)	9.13 (7.8, 9.71)	9.59 (8.28, 10.25)
FACS_blood	CD25+ CD4+ T cells (regulatory T cells; percentage of CD4+ T cells)	%	4.2 (3.82, 4.78)	3.63 (3.18, 3.75)	4.9 (4.06, 5.05)	4.24 (3.4, 4.49)
FACS_blood	CD44 expressing CD4 T cells; CD4+CD3e+CD44+	%	2.59 (2.21, 3.09)	2.51 (2.04, 3.03)	2.24 (2.1, 3.66)	2.59 (2.13, 3.06)
FACS_blood	L-selectin expressing CD4 T cells; CD4+CD3e+CD62L+	%	69.1 (55.75, 73.85)	70.9 (60.65, 75.25)	73.9 (66.4, 77.6)	73.7 (70.6, 76.65)
FACS_blood	CD8+ T cells (percentage of living leukocytes)	%	11 (9.8, 11.55)	11.3 (10.65, 11.85)	8.16 (7.32, 9.18)	8.35 (7.59, 8.79)
FACS_blood	CD44 expressing CD8 T cells; CD8a+CD3e+CD44+	%	2.03 (1.81, 2.49)	1.94 (1.48, 2.42)	2.26 (1.87, 2.79)	2.31 (1.84, 3)
FACS_blood		%	0.9 (0.9, 1.1)	1 (0.9, 1.1)	0.7 (0.6, 0.7)	0.7 (0.6, 0.7)
FACS_blood	Granulocytes (CD11b+Gr1++; as percentage of living leukocytes)	%	9.84 (7.72, 10.6)	8.09 (7.44, 12.1)	8.67 (7.92, 9.9)	8.3 (6.72, 13.15)

FACS_blood	L-selectin expressing CD8 T cells; CD8a+CD3e+CD62L+	%	70.5 (58.1, 78.5)	73.2 (63.85, 78.9)	76.4 (67.4, 79.2)	77 (74.35, 79.95)
FACS_blood	Monocytes (gated on non-NK cells, non-Granulocytes, CD11b+ cells; shown as percentage of living leukocytes)	%	7.94 (6.97, 8.57)	7.23 (6.56, 9.03)	7.45 (6.66, 8.61)	6.36 (5.96, 7.14)
FACS_blood	CD11b expressing NK cells; CD11b+NK+CD5-	%	73 (70.95, 74.35)	75.5 (72.9, 77.1)	63.3 (60.25, 65.05)	63.8 (57.95, 68.35)
FACS_blood	NK cells (pregated on non-T cells; shown as percentage of living leukocytes)	%	3.48 (2.9, 4.23)	3.31 (3.01, 3.74)	2.88 (2.34, 3.11)	3.02 (2.8, 3.38)
FACS_blood	NK T cells; NK+CD5+	%	0.64 (0.56, 0.7)	0.64 (0.57, 0.66)	0.53 (0.46, 0.6)	0.5 (0.46, 0.55)
Grip_strength	Forelimb grip strength measurement-mean	g	96 (90.5, 101)	97 (91, 102)	135 (130, 142)	110 (104.5, 115)
Grip_strength	Forelimb and hindlimb grip strength measurement-mean	g	184 (181.5, 198)	193 (176.5, 201)	221 (205, 228.5)	200 (190, 214)
Hematology_1	Hematocrit - percentage of cellular components on whole blood	percent	53.6 (52.2, 56.3)	53.5 (51.4, 54.3)	55.3 (53.6, 56.2)	54.6 (52.8, 55.6)
Hematology_1	Hemoglobin concentration in whole blood	g/dl	15.4 (15.1, 16)	15.2 (14.7, 15.5)	15.3 (15.2, 15.8)	15.2 (14.8, 15.5)
Hematology_1	Calculated mean corpuscular hemoglobin content of erythrocytes	pg	14.7 (14.5, 15.1)	14.5 (14.4, 14.8)	14.1 (14, 14.3)	14.2 (14, 14.3)
Hematology_1	Calculated mean corpuscular hemoglobin concentration of erythrocytes	g/dl	28.9 (28.7, 29.1)	28.7 (28.2, 28.9)	28.1 (27.7, 28.4)	28.2 (27.9, 28.4)
Hematology_1	Mean corpuscular volume	fl	51 (50, 52)	51 (51, 52)	50 (50, 51)	50 (50, 51)
Hematology_1	Mean platelets volume	fl	5.2 (5.2, 5.2)	5.2 (5.2, 5.3)	5.3 (5.2, 5.4)	5.3 (5.2, 5.4)
Hematology_1	Absolute number of eosinophile in whole blood	10 ³ /mm ³	0.1 (0.1, 0.1)	0.1 (0.1, 0.1)	0.1 (0.1, 0.1)	0.1 (0.1, 0.1)
Hematology_1	Absolute number of neutrophile granulocytes in whole blood	10 ³ /mm ³	1.5 (1.35, 1.7)	1.45 (1.15, 1.87)	1.9 (1.6, 2.15)	1.7 (1.5, 1.9)
Hematology_1	Absolute number of lymphocytes in whole blood	10 ³ /mm ³	4.7 (4.4, 6)	5.4 (4.6, 6.27)	7 (5.9, 7.45)	6.3 (5.2, 7.65)
Hematology_1	Absolute number of monocytes in whole blood	10 ³ /mm ³	0.3 (0.3, 0.4)	0.3 (0.3, 0.4)	0.4 (0.3, 0.45)	0.3 (0.25, 0.35)

Hematology_1	Percentage of eosinophiles in total white blood cells	%	1.3 (1.1, 1.5)	1.4 (1, 1.7)	1 (0.8, 1.3)	1.1 (1, 1.2)
Hematology_1	Percentage of neutrophile granulocytes in total white blood cells	%	19.8 (17.45, 22.95)	18.45 (17.45, 20.6)	18.6 (17.45, 20.4)	17.4 (16.5, 23.7)
Hematology_1	Platelet count in whole blood	10 ³ /mm ³	1215 (1134, 1378)	1212 (1180, 1260)	1584 (1500, 1648)	1592 (1422, 1624)
Hematology_1	Percentage of lymphocytes in total white blood cells	%	74.8 (71.6, 76.9)	76.15 (74.23, 77.65)	77 (75.15, 78.2)	78.9 (71.4, 79.65)
Hematology_1	Percentage of monocytes in total white blood cells	%	5.2 (4.95, 5.9)	5 (4.4, 6.05)	4.4 (4.25, 4.75)	4.1 (3.6, 4.5)
Hematology_1	Red blood cell count in whole blood	Mio/mm ³	10.48 (10.23, 10.88)	10.45 (10.11, 10.59)	10.99 (10.72, 11.25)	10.69 (10.48, 11.09)
Hematology_1	Red cell distribution width (coefficient of variation)	percent	14 (13.9, 14.2)	14 (13.6, 14.4)	13.7 (13.4, 13.9)	13.6 (13.2, 13.9)
Hematology_1	Total white blood cell count in whole blood	10 ³ /mm ³	6.4 (6, 8)	7.4 (6.5, 8.9)	9.7 (8.4, 10.3)	8.3 (6.9, 10.1)
Hotplate	time of first response in hotplate test	s	9.7 (6.2, 12.3)	11.1 (10.1, 12.9)	9.6 (7, 12.1)	8.4 (6.7, 11.9)
Hotplate	time of 2nd response in hotplate test	s	14.7 (10.4, 20)	16 (13.8, 20.1)	17.5 (15.1, 20.5)	18.2 (14.7, 21.6)
Immunoglobulins_1	anti DNA autoantibodies in plasma	OD	0.279 (0.248, 0.353)	0.267 (0.242, 0.288)	0.216 (0.198, 0.243)	0.262 (0.243, 0.306)
Immunoglobulins_1	Immunoglobulin A concentration in plasma	µg/ml	693.53 (584.42, 714.56)	631.69 (468.78, 750.89)	710.12 (555.57, 874.5)	513.71 (381.88, 640.53)
Immunoglobulins_1	Immunoglobulin G1 concentration in plasma	µg/ml	128.63 (84.31, 145.09)	98.16 (79.56, 134.23)	66.62 (57.28, 93.36)	67.19 (60.25, 85.74)
Immunoglobulins_1	Immunoglobulin G2a concentration in plasma	µg/ml	65.56 (51.57, 75.01)	63.96 (55.02, 72.52)	47.02 (43.93, 61.41)	51.07 (41.13, 54.64)
Immunoglobulins_1	Immunoglobulin G2b concentration in plasma	µg/ml	441.89 (377.38, 512.73)	399.29 (352.08, 454.11)	222.34 (171.32, 265.65)	250.86 (211.55, 257.51)
Immunoglobulins_1	Immunoglobulin G3 concentration in plasma	µg/ml	211.47 (203.83, 280.67)	229.96 (181.57, 317.72)	205.63 (158.62, 246.33)	201.37 (168.47, 234.37)
Immunoglobulins_1	Immunoglobulin M concentration in plasma;CD3-CD19+/CD8+CD4-	µg/ml	441.44 (390.33, 515.04)	494.68 (424.4, 537.72)	385.24 (332.95, 527.92)	422.94 (389.17, 521.33)
Immunoglobulins_1	Rheumatoid factor in plasma	OD	0.38 (0.32, 0.48)	0.31 (0.26, 0.38)	0.27 (0.22, 0.31)	0.26 (0.24, 0.29)
Immunoglobulins_2	Immunoglobulin E concentration in plasma	ng/ml	14.5 (12.5, 28.8)	14.9 (10.2, 21.4)	17 (10.1, 21.7)	13.6 (10.9, 15)
IPGTT	Blood glucose concentration at T0	nmol/l	4.6 (4.2, 5.1)	4.5 (4.4, 4.9)	6.3 (5.5, 7.2)	7 (5.6, 7.5)

IPGTT	Blood glucose concentration 5 minutes after at T0	nmol/l	18.5 (17.6, 20)	20.1 (18.4, 20.8)	24.3 (23.1, 25.6)	22.1 (20.7, 25.4)
IPGTT	Blood glucose concentration 30 minutes after at T0	nmol/l	13.3 (12.3, 14.6)	12.9 (12.4, 15.8)	23.4 (20.8, 26.4)	22.5 (19.7, 24.3)
IPGTT	Blood glucose concentration 60 minutes after at T0	nmol/l	8.4 (7.7, 8.8)	8.7 (8.2, 9.2)	13.7 (12.9, 15.6)	13.8 (13, 15.6)
IPGTT	Blood glucose concentration 120 minutes after at T0	nmol/l	6.1 (5.3, 6.6)	6.2 (5.5, 6.6)	8.8 (7.3, 9.1)	8.3 (8, 9.3)
Lung_function	lung compliance	ml/cm H2O	0.0528 (0.0507, 0.055)	0.0572 (0.0538, 0.0604)	NA (NA, NA)	NA (NA, NA)
Lung_function	dynamic compliance of respiratory system (breathing rate 130/min)	ml/cm H2O	0.0226 (0.0221, 0.0236)	0.0237 (0.0222, 0.0252)	NA (NA, NA)	NA (NA, NA)
Lung_function	Expiratory reserve volume, FVC - IC	ml	0.29 (0.27, 0.35)	0.29 (0.29, 0.3)	NA (NA, NA)	NA (NA, NA)
Lung_function	Volume expired in first 100 ms of fast expiration	ml	0.782 (0.751, 0.837)	0.835 (0.819, 0.889)	NA (NA, NA)	NA (NA, NA)
Lung_function	the volume in the lungs at the end-expiratory position	ml	0.248 (0.227, 0.276)	0.248 (0.238, 0.262)	NA (NA, NA)	NA (NA, NA)
Lung_function	Forced Vital Capacity, volume expired during fast expiration	ml	0.794 (0.757, 0.853)	0.861 (0.838, 0.905)	NA (NA, NA)	NA (NA, NA)
Lung_function	inspiratory Capacity, volume inspired during slow inspiration	ml	0.665 (0.64, 0.694)	0.706 (0.678, 0.749)	NA (NA, NA)	NA (NA, NA)
Lung_function	Peak Expiratory Flow, maximum speed of expiration	ml/sec	29.1 (28.7, 30.1)	29.6 (29.5, 29.7)	NA (NA, NA)	NA (NA, NA)
Lung_function	Resistance, measurement performed with Buxco FinePointerRC System	cm H2O/ml/sec	1.39 (1.35, 1.42)	1.33 (1.28, 1.39)	NA (NA, NA)	NA (NA, NA)
Lung_function	the volume in the lungs at maximal inflation, the sum of VC and RV	ml	0.0446 (0.0446, 0.0446)	0.0221 (0.0217, 0.0225)	NA (NA, NA)	NA (NA, NA)
Lung_function	the volume in the lungs at maximal inflation, the sum of VC and RV	ml	0.899 (0.886, 0.948)	0.966 (0.925, 0.997)	NA (NA, NA)	NA (NA, NA)
Lung_function	that volume of air moved into or out of the lungs during quiet breathing	ml	0.214 (0.213, 0.216)	0.218 (0.215, 0.22)	NA (NA, NA)	NA (NA, NA)

Lung_function	the volume of air breathed out after the deepest inhalation.	ml	0.98 (0.97, 1)	1 (0.96, 1.08)	NA (NA, NA)	NA (NA, NA)
OCT	Number of main vessels in the left fundus, observed by optical coherence tomography procedure		10 (9, 11)	10 (9, 11)	10 (9, 11)	10 (9, 11)
OCT	Retinal thickness in the left eye, observed by the optical coherence tomography procedure	µm	250 (248, 253)	248 (246, 250)	252 (251, 254)	246 (246, 250)
OCT	Number of main vessels in the right fundus, observed by optical coherence tomography procedure		9 (9, 10)	9 (8, 10)	10 (8, 10)	10 (10, 11)
OCT	Retinal thickness in the right eye, observed by the optical coherence tomography procedure	µm	254 (247, 259)	250 (246, 256)	249 (247, 252)	247 (244, 252)
Open_field	Distance travelled - Total; Distance travelled total	cm	14136.8 (13576.1, 20093.9)	17208 (15358.2, 19252.2)	17001.9 (14144, 20238.6)	17647.6 (16362.5, 19009.8)
Open_field	Number of rears - Total		71 (60, 76.5)	86 (70, 91)	89 (69, 103)	80 (73, 104.5)
Open_field	% distance in the centre - Total	%	29.2 (26.1, 34)	31.5 (26.2, 32.7)	22.2 (19.7, 26.9)	27.4 (20.6, 31.9)
Open_field	% time spent in the centre - Total	percent	18 (16.9, 25.4)	21.4 (15.1, 25.1)	16.4 (13.6, 18)	22.2 (15.8, 27.4)
Organ_weights	Heart weight	mg	127 (121, 129)	132 (126, 136)	158 (153, 160)	149 (148, 151)
Organ_weights	Liver weight	g	0.997 (0.981, 1.05)	0.975 (0.938, 1.091)	1.29 (1.164, 1.31)	1.351 (1.32, 1.524)
Organ_weights	Spleen weight	g	0.092 (0.088, 0.096)	0.098 (0.096, 0.134)	0.072 (0.067, 0.082)	0.08 (0.07, 0.083)
Organ_weights	Tibia length	mm	17.6 (17.39, 17.92)	17.35 (17.3, 17.5)	18.24 (18.09, 18.28)	18.1 (17.98, 18.47)
qNMR	Fat mass determination at NMR	g	4.8 (4.4, 5.1)	4.6 (4.4, 4.8)	5.8 (5.5, 6.2)	6.2 (5.7, 6.5)
qNMR	Lean mass determination at NMR	g	12.9 (12.7, 13.4)	12.6 (12.5, 13.1)	17.3 (16.4, 17.7)	17.4 (16.8, 18.5)
Rotarod	Latency to fall-trial 1	s	192 (114, 207.5)	144 (62.5, 193)	126 (58, 149)	117 (89.5, 151)
Rotarod	Latency to fall-trial 2	s	211 (168.5, 227)	172 (65, 214)	180 (151, 192.5)	170 (160.5, 189.5)
Rotarod	Latency to fall-trial 3	s	200 (170.5, 226)	225 (205, 240)	186 (113, 201.5)	189 (152, 219.5)
Rotarod	latency to fall - mean of trials	s	180 (156, 206)	176 (144, 198)	164 (132, 176)	159 (136, 180)
Scheimpflug	Mean density value of the left	%	5.5 (5.2, 5.7)	5.5 (5.3, 5.7)	5.6 (5.5, 5.8)	5.7 (5.5, 5.9)

lens						
Scheimpflug	Mean density value of the right lens	%	5.1 (4.8, 5.4)	5.2 (5, 5.4)	5 (4.8, 5.2)	5.3 (5.1, 5.6)
SHIRPA	Locomotor Activity	squares crossed/30sec	30 (24, 32)	30 (28, 33)	26 (24, 30)	27 (23, 30)
Steroids	Plasma level of corticosterone	nmol/l	412.7 (285.7, 585.9)	577.3 (383.9, 711.5)	136.2 (102.9, 189.8)	110.3 (57.4, 160)
Virtual_drum	threshold of spatial frequency	cyc/deg	0.347 (0.34, 0.362)	0.344 (0.33, 0.366)	0.353 (0.343, 0.37)	0.339 (0.328, 0.374)