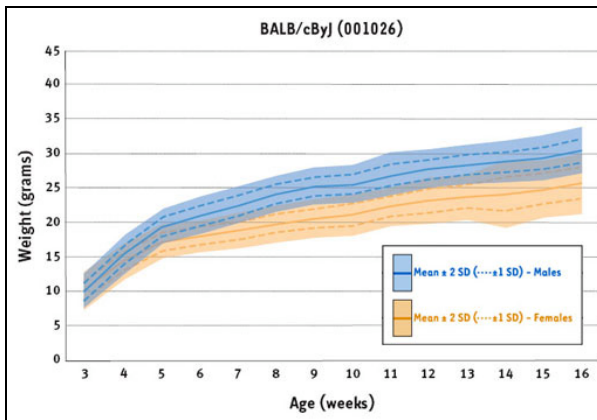


Complete data with range and standard deviations available from the Mouse Phenome Database (MPD, www.jax.org/phenome) and enter the term "jaxpheno" into the search box, or go directly to this url: phenome.jax.org/pub/cgi/phenome/mpd/cgi?rtn-views%2Fsearch&req=jaxpheno.



Age (weeks)		3	4	5	6	7	8	9
Female	Mean	10.15	14.27	17.10	17.95	18.82	19.77	20.52
	SD	1.32	1.35	1.25	1.20	1.26	1.37	1.46
Male	Mean	9.86	15.05	19.13	20.81	22.32	23.91	25.02
	SD	1.22	1.44	1.29	1.36	1.33	1.31	1.31

Age (weeks)		10	11	12	13	14	15	16
Female	Mean	21.06	22.25	23.03	23.66	24.03	24.75	25.55
	SD	1.49	1.41	1.68	1.67	2.46	2.09	2.21
Male	Mean	25.33	26.72	27.55	28.16	28.62	29.16	30.18
	SD	1.37	1.54	1.42	1.43	1.52	1.64	1.71

Approximately 60 mice of each sex were obtained at weaning (BD +/- 1 day) from production rooms individually identified and weighed the same day every week. The mice were fed a diet containing 6% fat ([LabDiet@5K52/5K67](#)) from weaning at 3 weeks until 16 weeks of age.

Parameter	Units	Females		Males	
Hematology					
Age	Weeks	8	16	8	16
White blood cell count (WBC)	10 ³ cells/ μ L	3.71	3.52	2.41	2.80
Red blood cell count (RBC)	10 ⁶ cells/ μ L	10.51	10.35	10.79	10.68
Hemoglobin	g/dL	16.6	16.8	17.2	17.0
Hematocrit	%	48.3	46.8	48.5	48.0
Mean cell volume (MCV)	fL	45.9	45.2	45.0	45.0
Mean cell hemoglobin (MCH)	pg	15.8	16.2	15.9	15.9
Mean cell hemoglobin concentration (MCHC)	g/dL	34.4	35.9	35.4	35.4
Platelet count	10 ³ cells/ μ L	956	927	1041	1005
Mean platelet volume (MPV)	fL	6.5	5.1	6.9	5.5
Percent reticulocytes	%	3.0	3.0	2.9	3.1
Reticulocyte hemoglobin	pg	16.6	16.5	16.4	16.2
Reticulocyte count	10 ⁹ cells/L	319.9	307.3	313.3	327.2
Percent neutrophils	%	15.5	22.2	22.2	24.3
Percent Lymphocytes	%	80.7	72.9	71.9	70.4
Percent Monocytes	%	0.8	1.2	1.3	1.3
Percent Eosinophils	%	2.3	2.7	4.0	3.0
Percent Basophils	%	0.2	0.5	0.4	0.6
Neutrophil count	10 ³ cells/ μ L	0.58	0.77	0.53	0.67
Lymphocyte count	10 ³ cells/ μ L	3.00	2.58	1.74	1.98
Monocyte count	10 ³ cells/ μ L	0.03	0.04	0.03	0.04
Eosinophil count	10 ³ cells/ μ L	0.08	0.09	0.09	0.08
Basophil count	10 ³ cells/ μ L	0.01	0.02	0.01	0.02

Biochemistry					
Albumin	g/dL	3.7	2.8	3.4	2.7
Total protein	g/dL	5.8	5.6	5.8	5.9
Blood urea nitrogen	mg/dL	21	21	25	24
Calcium	mg/dL	10.2	9.8	9.9	9.8
Phosphorous	mg/dL	9.5	7.1	9.7	7.9
Cholesterol	mg/dL	76	69	102	113
HDL cholesterol	mg/dL	74.1	67.9	100.6	112.5
Triglycerides	mg/dL	123	175	182	128
Free fatty acids	mEq/L	2.75	2.59	2.61	2.73
Glucose	mg/dL	94	115	140	97
Alanine transferase	IU/L	73	58	91	82
Creatine kinase	IU/L	1111	609	545	443
Thyroxine/T4	μ g/dL	5.8	5.3	6.0	5.5

Parameter	Units	Females		Males	
Organ Weights					
Age	Weeks	8	16	8	16
Brain	g	0.386	0.385	0.377	0.379
	% of body weight	1.99	1.57	1.58	1.31
Heart	g	0.109	0.123	0.127	0.144
	% of body weight	0.56	0.50	0.53	0.50
Liver	g	1.144	1.412	1.366	1.408
	% of body weight	5.88	5.74	5.72	4.87
Left kidney	g	0.128	0.154	0.194	0.248
	% of body weight	0.66	0.63	0.81	0.86
Right kidney	g	0.133	0.162	0.192	0.252
	% of body weight	0.69	0.66	0.81	0.87
Spleen	g	0.091	0.106	0.078	0.084
	% of body weight	0.47	0.43	0.33	0.29

Body Composition by DEXA Analysis					
DEXA body weight	g; Total Tissue	19.99	23.51	23.62	29.38
Bone mineral density	g/cm ²	0.050	0.056	0.047	0.055
Bone mineral content	G	0.393	0.471	0.367	0.461
Bone area	cm ²	7.90	8.35	7.59	8.34
Lean tissue	g	15.8	18.4	18.2	23.2
Fat tissue	g	4.1	5.1	5.4	6.1
Percent fat tissue	%	20.7	21.5	22.8	20.8

Flow Cytometry - Spleen					
Lymphoid cells					
B cells					
B cells (B220+)	%	43.58	52.87	48.35	55.24
T cells					
CD4 T cells (CD3+, CD4+)	%	19.48	15.23	20.78	17.17
CD8 T cells (CD3+, CD8+)	%	10.75	7.88	10.37	8.15
NK cells (CD3-, NKG2D+)	%	3.50	2.78	2.25	2.71
NKT cells (CD3+, NKG2D+)	%	1.26	0.79	0.90	0.60
Myeloid cells					
Granulocytes (MAC1+, GR1+)	%	1.14	0.99	1.11	0.72
Monocytes (MAC1+, GR1-)	%	4.32	1.98	3.96	2.02

For 8 week data, mice of each sex were obtained at 8 weeks of age (BD +/- 3 days) from production rooms. For 16 week data, mice of each sex were obtained at weaning (BD +/- 1 day) from production rooms and maintained until 16 weeks of age. All measurements are non-fasted values.