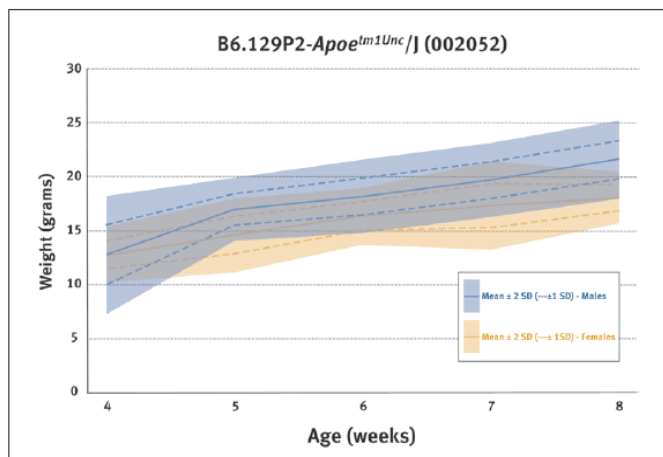


Complete data with range and standard deviations available from the Mouse Phenome Database (MPD, www.jax.org/phenome) and enter the term "jaxpheno" into the search box, or go directly to this url: phenome.jax.org/pub-cgi/phenome/mpdcgi?rtn-views%2Fsearch&req=jaxpheno.



Body Weights								
Age (weeks)		3	4	5	6	7	8	9
Female	Mean	-	12.89	14.71	16.47	17.46	18.18	-
	SD	-	1.29	1.73	1.33	2.04	1.19	-
Male	Mean	-	12.86	17.11	18.32	19.84	21.72	-
	SD	-	2.75	1.47	1.72	1.70	1.81	-

At each age, 40 mice of each sex were randomly selected from the colony, weighed, returned to the colony and excluded from further measurements. The mice were fed a diet containing 6% fat ([LabDiet® 5K52/5K67](http://www.jax.org/phenome)) from weaning at 4 weeks of age until 8 weeks of age.

Parameter	Units	Females		Males	
Hematology					
Age	Weeks	8	16	8	16
White blood cell count (WBC)	10 ³ cells/μL	3.99	-	3.34	-
Red blood cell count (RBC)	10 ⁶ cells/μL	10.45	-	10.41	-
Hemoglobin	g/dL	16.2	-	16.2	-
Hematocrit	%	49.2	-	50.4	-
Mean cell volume (MCV)	fL	47.1	-	48.4	-
Mean cell hemoglobin (MCH)	pg	15.5	-	15.6	-
Mean cell hemoglobin concentration (MCHC)	g/dL	33.0	-	32.2	-
Platelet count	10 ³ cells/μL	911	-	992	-
Mean platelet volume (MPV)	fL	5.9	-	6.4	-
Percent reticulocytes	%	3.0	-	3.6	-
Reticulocyte hemoglobin	pg	16.7	-	16.3	-
Reticulocyte count	10 ⁹ cells/L	319.9	-	373.3	-
Percent neutrophils	%	12.7	-	19.6	-
Percent Lymphocytes	%	81.6	-	76.1	-
Percent Monocytes	%	1.3	-	1.5	-
Percent Eosinophils	%	3.1	-	1.5	-
Percent Basophils	%	0.3	-	0.5	-
Neutrophil count	10 ³ cells/μL	0.49	-	0.66	-
Lymphocyte count	10 ³ cells/μL	3.28	-	2.53	-
Monocyte count	10 ³ cells/μL	0.05	-	0.05	-
Eosinophil count	10 ³ cells/μL	0.12	-	0.06	-
Basophil count	10 ³ cells/μL	0.01	-	0.02	-

Biochemistry					
Albumin	g/dL	3.7	-	3.5	-
Total protein	g/dL	5.5	-	5.8	-
Blood urea nitrogen	mg/dL	25	-	27	-
Calcium	mg/dL	10.2	-	10.2	-
Phosphorous	mg/dL	11.5	-	9.5	-
Cholesterol	mg/dL	680	-	655	-
HDL cholesterol	mg/dL	189.4	-	236.5	-
Triglycerides	mg/dL	254	-	301	-
Free fatty acids	mEq/L	2.42	-	2.15	-
Glucose	mg/dL	169	-	190	-
Alanine transferase	IU/L	42	-	40	-
Creatine kinase	IU/L	841	-	447	-
Thyroxine/T4	μg/dL	5.2	-	4.3	-

Parameter	Units	Females		Males	
Organ Weights					
Age	Weeks	8	16	8	16
Brain	g	0.391	-	0.414	-
	% of body weight	2.07	-	1.73	-
Heart	g	0.091	-	0.134	-
	% of body weight	0.48	-	0.55	-
Liver	g	0.802	-	1.270	-
	% of body weight	4.26	-	5.26	-
Left kidney	g	0.107	-	0.146	-
	% of body weight	0.57	-	0.61	-
Right kidney	g	0.105	-	0.148	-
	% of body weight	0.56	-	0.62	-
Spleen	g	0.100	-	0.085	-
	% of body weight	0.52	-	0.35	-

Body Composition by DEXA Analysis					
DEXA body weight	g; Total Tissue	18.90	20.78	23.36	28.1
Bone mineral density	g/cm ²	0.045	0.0496	0.046	0.0539
Bone mineral content	G	0.327	0.395	0.355	0.499
Bone area	cm ²	7.24	7.96	7.74	9.356
Lean tissue	G	14.6	17.18	19.1	23.68
Fat tissue	G	4.3	3.58	4.3	4.38
Percent fat tissue	%	22.4	17.28	18.4	15.64

Flow Cytometry - Spleen					
Lymphoid cells					
B cells					
B cells (B220+)	%	55.28	-	53.20	-
T cells					
CD4 T cells (CD3+, CD4+)	%	15.30	-	17.72	-
CD8 T cells (CD3+, CD8+)	%	7.47	-	9.65	-
NK cells (CD3-, NKG2D+)	%	2.15	-	2.18	-
NKT cells (CD3+, NKG2D+)	%	1.50	-	1.28	-
Myeloid cells					
Granulocytes (MAC1+, GR1+)	%	1.25	-	2.06	-
Monocytes (MAC1+, GR1-)	%	6.08	-	5.26	-

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