

Galli_Table S2

Total	Total density (mg/mm ²)	Males (n=10)		Females (n=10)		Total content (mg)	Males (n=10)		Females (n=10)		Total area (mm ²)	Males (n=10)		Females (n=10)	
		+/+	LacZ/LacZ	+/+	LacZ/LacZ		+/+	LacZ/LacZ	+/+	LacZ/LacZ		+/+	LacZ/LacZ	+/+	LacZ/LacZ
	Average	+/+	440.08	386.49	Average	+/+	1.80	1.28	Average	+/+	4.07	3.30			
	Average	LacZ/LacZ	378.20	355.92	Average	LacZ/LacZ	1.32	1.10	Average	LacZ/LacZ	3.48	3.09			
	Stdev	+/+	35.49	11.34	Stdev	+/+	0.24	0.09	Stdev	+/+	0.34	0.15			
	Stdev	LacZ/LacZ	44.12	15.76	Stdev	LacZ/LacZ	0.24	0.09	Stdev	LacZ/LacZ	0.27	0.20			
	pvalue		0.00467	0.00018	pvalue		0.00082	0.00037	pvalue		0.00129	0.01902			

Cortical	Cortical density (mg/mm ²)	Males (n=10)		Females (n=10)		Cortical content (mg)	Males (n=10)		Females (n=10)		Cortical area (mm ²)	Males (n=10)		Females (n=10)		Periosteal circumference (mm)	Males (n=10)		Females (n=10)	
		+/+	LacZ/LacZ	+/+	LacZ/LacZ		+/+	LacZ/LacZ	+/+	LacZ/LacZ		+/+	LacZ/LacZ	+/+	LacZ/LacZ		+/+	LacZ/LacZ		
	Average	+/+	643.29	656.55	Average	+/+	1.22	0.93	Average	+/+	1.89	1.42	Average	+/+	7.15	6.44				
	Average	LacZ/LacZ	605.20	623.02	Average	LacZ/LacZ	0.85	0.77	Average	LacZ/LacZ	1.40	1.23	Average	LacZ/LacZ	6.60	6.23				
	Stdev	+/+	21.97	16.16	Stdev	+/+	0.22	0.07	Stdev	+/+	0.32	0.09	Stdev	+/+	0.31	0.17				
	Stdev	LacZ/LacZ	37.82	14.46	Stdev	LacZ/LacZ	0.17	0.06	Stdev	LacZ/LacZ	0.23	0.08	Stdev	LacZ/LacZ	0.26	0.21				
	pvalue		0.01361	0.00003	pvalue		0.00140	0.00007	pvalue		0.00208	0.00016	pvalue		0.00124	0.01962				

Trabecular	Trabecular density (mg/mm ²)	Males (n=10)		Females (n=10)		Trabecular content (mg)	Males (n=10)		Females (n=10)		Trabecular area (mm ²)	Males (n=10)		Females (n=10)		Endosteal circumference (mm)	Males (n=10)		Females (n=10)	
		+/+	LacZ/LacZ	+/+	LacZ/LacZ		+/+	LacZ/LacZ	+/+	LacZ/LacZ		+/+	LacZ/LacZ	+/+	LacZ/LacZ		+/+	LacZ/LacZ		
	Average	+/+	266.23	182.49	Average	+/+	0.58	0.34	Average	+/+	2.19	1.88	Average	+/+	6.58	5.92				
	Average	LacZ/LacZ	227.03	177.80	Average	LacZ/LacZ	0.47	0.33	Average	LacZ/LacZ	2.08	1.86	Average	LacZ/LacZ	6.24	5.87				
	Stdev	+/+	20.03	9.63	Stdev	+/+	0.09	0.03	Stdev	+/+	0.26	0.09	Stdev	+/+	0.32	0.15				
	Stdev	LacZ/LacZ	32.58	9.26	Stdev	LacZ/LacZ	0.08	0.04	Stdev	LacZ/LacZ	0.13	0.15	Stdev	LacZ/LacZ	0.18	0.21				
	pvalue		0.00845	0.30614	pvalue		0.01218	0.34852	pvalue		0.30595	0.63877	pvalue		0.01944	0.50937				