

gonadal male

Supplementary Figure	Measurement	Sex		
		Chromosomes p value	TREM2 genotype p value	Interaction p value
1A	Body weight	0.0503	0.1185	0.3510
	Total BMD	0.1531	0.5530	0.4241
1B	Femur BMD	0.4457	0.4450	0.0260
	Spine BMD	0.8419	0.2297	0.7565
1C	Fat mass	0.0838	0.5972	0.9630
	%Fat mass	0.2188	0.7086	0.7977
	Lean mass	0.7259	0.8609	0.1490
	%Lean mass	0.0057	0.5561	0.8351
2A	CTX-1	0.4797	0.4920	0.4902
	P1NP	0.7862	0.4663	0.0692

3 (total weight in g)	Extensor digitorum longus (EDL)	0.5870	0.3309	0.3327
	Gastrocnemius	0.1217	0.0964	0.0695
	Soleus	0.2867	0.0104	0.6081
	Tibialis anterior (TA)	0.6798	0.4974	0.0046
3 (mg/g body weight)	Quadriceps	0.1480	0.0314	0.0379
	Extensor digitorum longus (EDL)	0.2246	0.5500	0.2840
	Gastrocnemius	0.0017	0.3300	0.7483
	Soleus	0.0141	0.0563	0.1061
4 (total weight in g)	Tibialis anterior (TA)	0.0004	0.9710	0.4385
	Quadriceps	0.0085	0.1242	0.3234
	Brain	0.4826	0.2761	0.0028
	Heart	0.3971	0.2662	0.6862
4 (mg/g body weight)	Kidney	0.0295	0.5287	0.2460
	Spleen	<0.0001	0.1742	0.0312
	Liver	0.3827	0.2645	0.4497
	Brain	0.0011	0.1524	0.0378
4 (mg/g body weight)	Heart	0.0596	0.8871	0.5044
	Kidney	0.1547	0.2373	0.6129
	Spleen	<0.0001	0.4058	0.1909
	Liver	0.1370	0.9157	0.2496

gonadal female

Supplementary Figure	Measurement	Sex		
		Chromosomes p value	TREM2 genotype p value	Interaction p value
1D	Body weight	0.0361	0.2171	0.4913
	Total BMD	0.2067	0.6417	0.6370
1E	Femur BMD	0.4198	0.3326	0.5971
	Spine BMD	0.1783	0.5818	0.4567
1F	Fat mass	0.1693	0.5361	0.0454
	%Fat mass	0.3405	0.8422	0.0250
	Lean mass	0.0281	0.2064	0.9185
	%Lean mass	0.5320	0.6255	0.0437
2B	CTX-1	0.0005	0.3399	0.1956
	P1NP	0.3515	0.1157	0.3659

3 (total weight in g)	Extensor digitorum longus (EDL)	0.7271	0.4467	0.0466
	Gastrocnemius	0.7313	0.2448	0.0778
	Soleus	0.6791	0.7183	0.7581
	Tibialis anterior (TA)	0.0627	0.2739	0.2493
3 (mg/g body weight)	Quadriceps	0.4614	0.4620	0.0053
	Extensor digitorum longus (EDL)	0.9898	0.5387	0.0827
	Gastrocnemius	0.6733	0.6500	0.2238
	Soleus	0.3888	0.4377	0.3105
4 (total weight in g)	Tibialis anterior (TA)	0.1986	0.5138	0.3340
	Quadriceps	0.5141	0.5492	0.0390
	Brain	0.8397	0.2515	0.5928
	Heart	0.2719	0.7632	0.3356
4 (mg/g body weight)	Kidney	0.0342	0.9172	0.3358
	Spleen	<0.0001	0.6057	0.1396
	Liver	0.1820	0.5977	0.1060
	Brain	0.8978	0.3407	0.5656
4 (mg/g body weight)	Heart	0.4040	0.6444	0.5824
	Kidney	0.1880	0.7269	0.6080
	Spleen	<0.0001	0.5428	0.1095
	Liver	0.3190	0.9806	0.0248