

Gonadal male				
Figure	Measurement	Sex	TREM2 genotype	Interaction
		Chromosomes		
		p value	p value	p value
2A	Body weight	<b>0.0043</b>	0.4964	0.3409
2B	Total BMD	<b>0.0196</b>	0.3348	0.1343
	Femur BMD	0.0703	0.9879	<b>0.0210</b>
	Spine BMD	<b>0.0385</b>	0.2071	0.0779
2C	Fat mass	<b>0.0003</b>	0.1783	0.5418
	%Fat mass	<b>0.0004</b>	0.3126	0.3117
	Lean mass	<b>0.0414</b>	0.1485	0.4550
	%Lean mass	<b>0.0003</b>	0.3208	0.3275

3A	Body weight	<b>0.0001</b>	0.0870	0.3651
3B	Total BMD	0.0774	0.4447	0.2123
	Femur BMD	0.0978	0.9599	0.2001
	Spine BMD	0.4406	0.2553	<b>0.0699</b>
3C	Fat mass	<b>&lt;0.0001</b>	0.0742	0.8320
	%Fat mass	<b>&lt;0.0001</b>	0.1604	0.6959
	Lean mass	<b>0.0624</b>	0.1725	0.1804
	%Lean mass	<b>&lt;0.0001</b>	0.1673	0.7063

4A	BV/TV	0.3624	0.2032	<b>0.0172</b>
	Tb.N	0.2520	0.6503	0.1149
	Tb.Th	0.4746	0.1187	<b>0.0245</b>
	Tb.Sp	<b>0.0092</b>	0.7398	0.1261
4B	MS/BS	<b>0.0073</b>	0.2565	0.8055
	MAR	<b>0.0615</b>	0.2147	0.2112
	BFR/BS	<b>0.0061</b>	0.7739	0.3823

5A	BV/TV	0.0990	0.5651	<b>0.0191</b>
	Tb.N	0.0726	0.3437	<b>0.0137</b>
	Tb.Th	0.6736	0.4574	0.0931
	Tb.Sp	<b>0.0064</b>	0.9333	<b>0.0075</b>
	vBMD	0.4510	0.4568	0.1872

6A	BA/TA	<b>0.0014</b>	0.4188	0.7440
	Ct.Th	<b>0.0030</b>	0.3345	0.1578
	CSA	0.4345	0.8584	0.2010
	Ma.Ar	0.0741	0.9503	0.3474
	Imax	0.8416	0.9719	0.0896
	vBMD	0.2264	0.4099	<b>0.0131</b>
6B	EcMS/BS	0.6843	0.1999	0.3328
	EcMAR	0.8618	0.4476	0.2699
	EcBFR/BS	0.7304	0.4682	0.1698
6C	PsMS/BS	0.1529	0.3058	0.9958
	PsMAR	0.5124	0.3800	0.9635
	PsBFR/BS	0.9635	0.5124	0.3800

7A	Yield force	<b>0.0130</b>	0.0983	0.8832
	Ultimate force	<b>0.0162</b>	0.7078	0.4350
	Total displacement	0.8502	0.1837	0.2850
	Stiffness	<b>0.0387</b>	0.1349	0.8983
	Work to yield	<b>0.0324</b>	0.1457	0.8896
	yield stress	<b>0.0357</b>	0.2826	0.7366
	Ultimate stress	<b>0.0024</b>	0.9903	0.9843
	Total strain	0.8014	0.2001	0.2502
	Modulus	<b>0.0438</b>	0.3026	0.5355
	Failure stress	0.1545	0.0743	0.8643

Gonadal female				
Figure	Measurement	Sex	TREM2 genotype	Interaction
		Chromosomes		
		p value	p value	p value
2D	Body weight	0.6421	0.5271	0.9561
2E	Total BMD	<b>0.0095</b>	0.8408	0.7958
	Femur BMD	<b>0.0002</b>	0.7026	0.5357
	Spine BMD	<b>0.0191</b>	0.5119	0.5669
2F	Fat mass	0.1996	0.7408	0.4856
	%Fat mass	0.1232	0.9862	0.3937
	Lean mass	0.9402	0.1615	0.8058
	%Lean mass	0.1022	0.9586	0.4138

3D	Body weight	0.3206	0.9900	0.7960
3E	Total BMD	0.1037	0.8096	0.4724
	Femur BMD	<b>0.0003</b>	0.6602	0.6150
	Spine BMD	0.3840	0.9478	0.8122
3F	Fat mass	0.6467	0.5713	0.2520
	%Fat mass	0.9281	0.5638	0.2098
	Lean mass	<b>0.0700</b>	0.6582	0.7449
	%Lean mass	0.9788	0.5536	0.1990

4C	BV/TV	<b>0.0270</b>	0.6888	0.7663
	Tb.N	<b>0.0162</b>	0.7487	0.6637
	Tb.Th	0.7880	0.6376	0.1859
	Tb.Sp	0.1793	0.8778	0.2863
4D	MS/BS	0.2056	0.3405	0.6369
	MAR	0.3889	0.3330	0.0716
	BFR/BS	0.2087	0.8674	0.2592

5B	BV/TV	0.4507	0.4379	0.6300
	Tb.N	0.1390	<b>0.0356</b>	0.4360
	Tb.Th	0.2753	0.7387	0.2035
	Tb.Sp	0.4434	<b>0.0101</b>	0.5070
	vBMD	<b>0.0549</b>	0.8211	0.5316

6D	BA/TA	<b>&lt;0.0001</b>	0.6426	0.8131
	Ct.Th	<b>&lt;0.0001</b>	0.3276	0.8506
	CSA	<b>0.0431</b>	0.9860	0.9094
	Ma.Ar	<b>&lt;0.0001</b>	0.9490	0.7513
	Imax	0.2700	0.5973	0.6016
	vBMD	<b>0.0065</b>	0.1538	0.6176
6E	EcMS/BS	0.6681	0.4292	0.9778
	EcMAR	<b>0.0131</b>	0.3668	0.1538
	EcBFR/BS	<b>0.0370</b>	0.6415	0.6287
6F	PsMS/BS	0.1048	0.6333	0.3124
	PsMAR	<b>0.0305</b>	0.9087	0.3484
	PsBFR/BS	<b>0.0298</b>	0.6851	0.7291

7B	Yield force	<b>0.0002</b>	0.9632	0.1376
	Ultimate force	<b>&lt;0.0001</b>	0.1662	0.5732
	Total displacement	0.3410	<b>0.0631</b>	<b>0.0610</b>
	Stiffness	<b>0.0007</b>	0.6798	0.2684
	Work to yield	<b>0.0198</b>	0.6289	0.4858
	yield stress	0.4015	0.8875	0.2187
	Ultimate stress	<b>0.0003</b>	0.4822	0.9872
	Total strain	0.0876	0.6203	0.2779
	Modulus	<b>0.0075</b>	0.7364	0.7767
	Failure stress	<b>0.0096</b>	0.9958	0.3978