

S7 Table. Electrocardiogram data comparing *Tbx^{g2284K/+}* and wild type mice

	RR Interval (s)	Heart Rate (BPM)	PR Interval (s)	P Duration (s)	QRS Interval (s)	QT Interval (s)	QTc (s)	JT Interval (s)	Tpeak-Tend Interval (s)	P Amplitude (mV)	Q Amplitude (mV)	R Amplitude (mV)	S Amplitude (mV)	ST Height (mV)	T Amplitude (mV)	
Hetero-Male	39-8-10	0.0994	603.5700	0.0368	0.0081	0.0176	0.0424	0.1346	0.0248	0.0225	0.1092	0.5026	-0.6665	0.0356	0.0401	
	39-8-11	0.1464	409.8100	0.0379	0.0084	0.0171	0.0416	0.1087	0.0245	0.0174	0.0504	-0.0357	0.7263	-0.7097	-0.0156	-0.0377
	39-8-13	0.1173	511.3900	0.0364	0.0067	0.0105	0.0356	0.1040	0.0251	0.0215	0.0558	-0.0029	0.6569	-0.4462	-0.0217	-0.0215
	39-8-15	0.1313	456.8400	0.0412	0.0101	0.0177	0.0426	0.1175	0.0248	0.0151	0.0445	-0.0218	0.3369	-0.3736	-0.0019	-0.0228
	39-8-19	0.1298	462.1600	0.0373	0.0089	0.0167	0.0439	0.1219	0.0272	0.0191	0.1038	-0.1948	1.9601	-0.8218	-0.0376	-0.0567
Hetero-Female	39-8-16	0.1285	466.9200	0.0392	0.0081	0.0170	0.0401	0.1119	0.0231	0.0154	0.0743	-0.1051	1.1012	-0.8270	-0.0126	-0.0525
	39-8-17	0.1423	421.6200	0.0470	0.0100	0.0153	0.0407	0.1080	0.0254	0.0118	0.0684	-0.0118	0.3979	-0.3910	0.0088	-0.0474
	39-8-18	0.1359	441.5800	0.0419	0.0086	0.0153	0.0510	0.1384	0.0357	0.0291	0.0708	-0.0719	1.4835	-0.5222	-0.0703	-0.0946
	39-8-30	0.1346	445.6900	0.0400	0.0079	0.0106	0.0412	0.1124	0.0306	0.0197	0.1052	0.0067	0.9389	-0.4926	-0.0180	-0.0711
	39-8-31	0.1247	481.3700	0.0391	0.0103	0.0172	0.0411	0.1165	0.0240	0.0164	0.0817	-0.1109	0.9310	-0.4990	-0.0317	-0.0477
WT-Male	39-8-20	0.1554	386.3300	0.0376	0.0073	0.0137	0.0438	0.1113	0.0301	0.0212	0.0515	0.0049	0.5444	-0.3036	-0.0573	-0.0359
	39-8-21	0.1373	437.0000	0.0369	0.0113	0.0105	0.0502	0.1355	0.0398	0.0260	0.0974	-0.0068	0.6604	-0.1843	0.0912	-0.0633
	39-8-22	0.1684	356.3900	0.0397	0.0105	0.0167	0.0516	0.1258	0.0349	0.0293	0.0708	-0.0531	1.4498	-0.5332	-0.0952	-0.1212
	39-8-28	0.1108	541.7200	0.0339	0.0036	0.0178	0.0292	0.0877	0.0114	0.0083	0.0676	-0.3589	0.6416	-0.3882	0.0469	0.0469
	39-8-29	0.1394	430.3200	0.0425	0.0071	0.0186	0.0390	0.1043	0.0204	0.0172	0.0697	0.0026	0.6829	-0.4224	-0.0397	-0.0447
WT-Female	39-8-32	0.1459	411.1400	0.0395	0.0075	0.0185	0.0407	0.1066	0.0222	0.0160	0.0655	-0.1207	0.9207	-0.5266	-0.0224	-0.0472
	39-8-33	0.1454	412.6900	0.0428	0.0104	0.0155	0.0495	0.1298	0.0340	0.0267	0.0586	-0.0755	0.9019	-0.4348	-0.0272	-0.0603
	39-8-34	0.1269	472.9700	0.0402	0.0078	0.0175	0.0426	0.1195	0.0251	0.0179	0.0596	-0.0719	0.5628	-0.2304	-0.0145	-0.0289
	39-8-35	0.1382	434.0400	0.0413	0.0074	0.0167	0.0421	0.1134	0.0254	0.0180	0.0798	-0.0586	0.8116	-0.4834	-0.0246	-0.0538
	39-8-36	0.1400	428.5600	0.0372	0.0100	0.0174	0.0439	0.1175	0.0265	0.0202	0.0569	-0.1689	1.1684	-0.3903	-0.0502	-0.0664

	RR Interval (s)	Heart Rate (BPM)	PR Interval (s)	P Duration (s)	QRS Interval (s)	QT Interval (s)	QTc (s)	JT Interval (s)	Tpeak-Tend Interval (s)	P Amplitude (mV)	Q Amplitude (mV)	R Amplitude (mV)	S Amplitude (mV)	ST Height (mV)	T Amplitude (mV)
Hetero-Male	0.1249	488.7540	0.0379	0.0084	0.0159	0.0412	0.1173	0.0253	0.0191	0.0727	-0.1594	0.8366	-0.6036	-0.0083	-0.0197
WT-Male	0.1422	430.3520	0.0381	0.0080	0.0154	0.0428	0.1129	0.0273	0.0204	0.0714	-0.0823	0.7958	-0.3663	-0.0108	-0.0436
Hetero-Female	0.1332	451.4360	0.0415	0.0090	0.0151	0.0428	0.1174	0.0278	0.0185	0.0801	-0.0586	0.9705	-0.5464	-0.0248	-0.0627
WT-Female	0.1393	431.8800	0.0402	0.0086	0.0171	0.0438	0.1173	0.0267	0.0198	0.0641	-0.0991	0.8731	-0.4131	-0.0278	-0.0513
WT	0.1408	431.1160	0.0392	0.0083	0.0163	0.0433	0.1151	0.0270	0.0201	0.0677	-0.0907	0.8345	-0.3897	-0.0193	-0.0475
mut	0.1290	470.0950	0.0397	0.0087	0.0155	0.0420	0.1174	0.0265	0.0188	0.0764	-0.1090	0.9035	-0.5750	-0.0165	-0.0412
P value of Test	0.085	0.114	0.692	0.606	0.510	0.613	0.696	0.878	0.607	0.320	0.773	0.713	0.011	0.884	0.722