

Figure	Control Gene	Gene	Treatment	# of Samples	Average	s.e.m	Shapiro-Wilk Test				Levene's Test				Linear Mixed Model				Mann Whitney U Test							
							Statistic	p_value	p_adj (FDR BH)	Reject (FDR5%)	Statistic	p_value	p_adj (FDR BH)	Reject (FDR5%)	Source	F	df1	df2	Sig.	Sample 1	Sample 2	Statistic	R (Z score)	p_value	p_adj (FDR BH)	Reject (FDR5%)
Figure 1	Pkg1	Tbx1	control siRNA	6	1	0.049186162	0.93572346	0.624966577	0.805579616	FALSE	1.758766194	0.21744683	0.297607562	FALSE	Corrected Model Gene Treatment Gene * Treatment	2.006348255	11	89	0.03681448	control siRNA	Tbx1 siRNA	7	0.50847518	0.008658009	0.012987013	TRUE
			Tbx1 siRNA	5	0.464725499	0.116052639	0.932068851	0.610545167	0.805579616	FALSE	0.843979959	5	89	0.52216149												
		Cspg4	control siRNA	9	1	0.066746189	0.960660226	0.805205712	0.878406231	FALSE	1.522725608	0.235026707	0.297607562	FALSE		14.66501979	1	89	0.00023857	control siRNA	Tbx1 siRNA	8	0.676423086	0.002756067	0.008268202	TRUE
			Tbx1 siRNA	9	0.685034037	0.037803054	0.980712867	0.967840714	0.967840714	FALSE	0.843979957	5	89	0.522161492												
		MAG	control siRNA	9	1	0.041029197	0.908420558	0.304976014	0.731942433	FALSE	3.473378198	0.080821307	0.297607562	FALSE						control siRNA	Tbx1 siRNA	11	0.613984032	0.007774578	0.012987013	TRUE
			Tbx1 siRNA	9	0.670998004	0.157173093	0.903392871	0.272326671	0.731942433	FALSE																
		MBP	control siRNA	9	1	0.056959774	0.921773656	0.40712653	0.805579616	FALSE	0.679262555	0.421957432	0.421957432	FALSE						control siRNA	Tbx1 siRNA	6	0.718049122	0.00123406	0.00740436	TRUE
	Tbx1 siRNA		9	0.553891554	0.084308916	0.872112121	0.129519549	0.518078195	FALSE																	
	MOG	control siRNA	9	1	0.064281655	0.948291674	0.671316347	0.805579616	FALSE	1.89729647	0.18734571	0.297607562	FALSE					control siRNA	Tbx1 siRNA	14	0.551544978	0.018757713	0.018757713	TRUE		
		Tbx1 siRNA	9	0.60385684	0.126671201	0.85412067	0.082708168	0.496249006	FALSE																	
	Plp1	control siRNA	9	1	0.06060843	0.939293908	0.574485759	0.805579616	FALSE	1.437463429	0.248006301	0.297607562	FALSE					control siRNA	Tbx1 siRNA	14	0.551544978	0.018757713	0.018757713	TRUE		
		Tbx1 siRNA	9	0.700871358	0.116118855	0.84502056	0.065659769	0.496249006	FALSE																	
	18S	Tbx1	control siRNA	6	1	0.078568382	0.92617953	0.550937859	0.734583812	FALSE	0.009347636	0.925096749	0.925096749	FALSE	Corrected Model Gene Treatment Gene * Treatment	2.450555968	11	89	0.010091634	control siRNA	Tbx1 siRNA	6	0.554700196	0.004329004	0.007774578	TRUE
			Tbx1 siRNA	5	0.440976588	0.066877094	0.97650378	0.915107555	0.915107555	FALSE	1.101427491	5	89	0.365404553												
Cspg4		control siRNA	9	1	0.044646855	0.916096471	0.360902781	0.662239178	FALSE	0.016880314	0.898245734	0.925096749	FALSE	17.51187144		1	89	6.68502E-05	control siRNA	Tbx1 siRNA	4	0.759675158	0.000493624	0.002961744	TRUE	
		Tbx1 siRNA	9	0.687687722	0.045939538	0.919279302	0.386306187	0.662239178	FALSE	1.101427494	5	89	0.365404552													
MAG		control siRNA	9	1	0.055152176	0.966495138	0.863205301	0.915107555	FALSE	1.450912436	0.24589768	0.643468053	FALSE						control siRNA	Tbx1 siRNA	11	0.613984032	0.007774578	0.007774578	TRUE	
		Tbx1 siRNA	9	0.642342516	0.157925591	0.844966625	0.065569561	0.242978818	FALSE																	
MBP		control siRNA	9	1	0.053726606	0.931315789	0.493974756	0.734583812	FALSE	0.206705208	0.655469861	0.925096749	FALSE						control siRNA	Tbx1 siRNA	7	0.697236104	0.00185109	0.00555327	TRUE	
	Tbx1 siRNA	9	0.544403139	0.082596116	0.85329064	0.080992939	0.242978818	FALSE																		
MOG	control siRNA	9	1	0.06650766	0.957538993	0.772242353	0.915107555	FALSE	1.178141059	0.293818671	0.643468053	FALSE					control siRNA	Tbx1 siRNA	11	0.613984032	0.007774578	0.007774578	TRUE			
	Tbx1 siRNA	9	0.588913841	0.123648773	0.841639086	0.060228776	0.242978818	FALSE																		
Plp1	control siRNA	9	1	0.04046838	0.874188469	0.136290611	0.327097466	FALSE	1.045606567	0.321734027	0.643468053	FALSE					control siRNA	Tbx1 siRNA	11	0.613984032	0.007774578	0.007774578	TRUE			
	Tbx1 siRNA	9	0.692323814	0.117369849	0.755073552	0.00620775	0.074492996	FALSE																		

Figure 4A	Measurement	Call type	PND	Genotype	# of Samples	Average	s.e.m	Shapiro-Wilk test				Levene test				Linear Mixed Model				Mann-Whitney U test									
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 4A	Harmonics	P8	PND	oTbx1+/-	27	25.44444444	6.455928465	0.734571278	1.2196E-05	0.25425E-05	TRUE	0.588767426	1	36	0.447899604	0.866000524	FALSE	Corrected Model	6.94053254	47	912	0	oTbx1+/-	oTbx1+/-	139	0.049603452	0.775387862	0.990742675	FALSE
					11	18	5.412107639	0.869194567	0.075694919	0.082576275	FALSE	0.080099472	1	40	0.778622211	0.866000524	FALSE	Genotype	0.196622137	1	912	0.657366557	oTbx1+/-	oTbx1+/-	180	0	1	1	FALSE
					30	18.53333333	4.41620145	0.769232988	1.89257E-05	6.33374E-05	TRUE	0.588478181	1	36	0.448010251	0.866000524	FALSE	Genotype * PND	6.147480911	1	912	0.0128134731	oTbx1+/-	oTbx1+/-	140	0.044382036	0.799797921	0.990742675	FALSE
					12	17.41666667	6.962516888	0.741135657	0.002162845	0.002883793	TRUE	0.194362482	1	40	0.661683974	0.866000524	FALSE	PND * Call type	19.63969375	11	912	0	oTbx1+/-	oTbx1+/-	174	0.025776963	0.879981095	0.990742675	FALSE
					27	1.518518519	0.424902772	0.641833842	6.62769E-07	2.65108E-06	TRUE	0.588478181	1	36	0.448010251	0.866000524	FALSE	Genotype * PND	4.835206967	11	912	0.028134731	oTbx1+/-	oTbx1+/-	140	0.044382036	0.799797921	0.990742675	FALSE
					11	1	0.301511345	0.863411665	0.063748829	0.071161484	FALSE	0.194362482	1	40	0.661683974	0.866000524	FALSE	PND * Call type	1.728524601	11	912	0.062712426	oTbx1+/-	oTbx1+/-	174	0.025776963	0.879981095	0.990742675	FALSE
					30	3.866666667	1.062131162	0.71998024	3.08876E-06	8.23669E-06	TRUE	0.588478181	1	36	0.448010251	0.866000524	FALSE	Genotype * PND * Call type	0.366631844	11	912	0.967949606	oTbx1+/-	oTbx1+/-	121	0.14358894	0.390490444	0.990742675	FALSE
					12	1.666666667	1.953370565	0.517821491	2.3982E-05	4.42745E-05	TRUE	0.194362482	1	40	0.661683974	0.866000524	FALSE	Genotype * PND * Call type	0.366631844	11	912	0.967949606	oTbx1+/-	oTbx1+/-	121	0.14358894	0.390490444	0.990742675	FALSE
					27	19.92592593	3.665472193	0.834571779	0.000578805	0.000817137	TRUE	0.588478181	1	36	0.448010251	0.866000524	FALSE	Genotype * PND * Call type	0.366631844	11	912	0.967949606	oTbx1+/-	oTbx1+/-	121	0.14358894	0.390490444	0.990742675	FALSE
					11	12.27272727	2.157822594	0.916108012	0.287544787	0.287544787	FALSE	0.194362482	1	40	0.661683974	0.866000524	FALSE	Genotype * PND * Call type	0.366631844	11	912	0.967949606	oTbx1+/-	oTbx1+/-	121	0.14358894	0.390490444	0.990742675	FALSE
					30	27.53333333	5.654971027	0.831702948	0.000262676	0.000394014	TRUE	0.588478181	1	36	0.448010251	0.866000524	FALSE	Genotype * PND * Call type	0.366631844	11	912	0.967949606	oTbx1+/-	oTbx1+/-	121	0.14358894	0.390490444	0.990742675	FALSE
					12	25.91666667	6.770544866	0.88340597	0.096735299	0.098793496	FALSE	0.194362482	1	40	0.661683974	0.866000524	FALSE	Genotype * PND * Call type	0.366631844	11	912	0.967949606	oTbx1+/-	oTbx1+/-	121	0.14358894	0.390490444	0.990742675	FALSE

Figure 4A	Measurement	Call type	PND	Genotype	# of Samples	Average	s.e.m	Shapiro-Wilk test				Levene test				Linear Mixed Model				Mann-Whitney U test									
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 4A	Harmonics	P8	PND	oTbx1+/-	27	126.7777778	26.50132144	0.7854976	7.77043E-05	0.000157208	TRUE	1.121799982	1	36	0.295686227	0.593172454	FALSE	Corrected Model	0.636064898	3	76	0.59407046	oTbx1+/-	oTbx1+/-	126.5	-0.14871152	0.504762746	0.73135923	FALSE
					11	85.54545455	23.66407467	0.834964693	0.027126787	0.027126787	TRUE	0.000269074	1	40	0.98699405	0.98699405	FALSE	Genotype	0.155970557	1	76	0.693999976	oTbx1+/-	oTbx1+/-	166.5	-0.057998167	0.73135923	0.73135923	FALSE
					30	130.6	27.57400075	0.804300725	7.86042E-05	0.000157208	TRUE	0.000269074	1	40	0.98699405	0.98699405	FALSE	PND	1.419833311	1	76	0.237138636	oTbx1+/-	oTbx1+/-	166.5	-0.057998167	0.73135923	0.73135923	FALSE
					12	143.3333333	45.18922058	0.79983592	0.09328736	0.012438315	TRUE	0.000269074	1	40	0.98699405	0.98699405	FALSE	Genotype * PND	1.103292412	1	76	0.296873255	oTbx1+/-	oTbx1+/-	166.5	-0.057998167	0.73135923	0.73135923	FALSE

Measurement	Call type	PND	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene's test				Generalized Linear Mixed Model				Mann-Whitney's U test															
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)						
Figure 4A	Harmonics	P8	PND	oTbx1+/-	8	9.625	2.672194791	0.919298375	0.42419617	0.449148886	FALSE	1.65961678	2	24	0.211306457	0.559313096	FALSE	Corrected Model	4.565593657	71	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	28.5	0.019833333	0.798445998	0.974374778	FALSE					
					8	18.125	11.96786993	0.59934529	0.000156224	0.000749877	TRUE	1.65961678	2	24	0.211306457	0.559313096	FALSE	Genotype	2.526849017	2	612	0.080743877	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	15.5	-0.539886352	0.02034876	0.488370247	FALSE					
					11	4.227272727	11.79066727	0.863657084	0.064216294	0.087237229	FALSE	1.65961678	2	24	0.211306457	0.559313096	FALSE	PND	0.381377322	1	612	0.537096747	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	19	-0.47354519	0.04088275	0.644874038	FALSE					
					9	11.22222222	7.025306988	0.600651882	9.73774E-05	0.000539321	TRUE	1.65961678	2	24	0.211306457	0.559313096	FALSE	Genotype * PND	18.61506323	11	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	40	-0.010406509	0.959129759	1	1	FALSE				
					9	11.66666667	5.525194818	0.765487459	0.008192575	0.016093411	TRUE	1.65961678	2	24	0.211306457	0.559313096	FALSE	Genotype * PND * Call type	1.47748124	57	612	0.015666306	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	32.5	-0.333423509	0.147939986	0.644874038	FALSE					
					12	29.16666667	8.23946095	0.864345385	0.05433248	0.076753728	FALSE	1.65961678	2	24	0.211306457	0.559313096	FALSE	Genotype * PND * Call type	1.47748124	57	612	0.015666306	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	35	-0.294651333	0.193005137	0.644874038	FALSE					
					step_down	P8	PND	oTbx1+/-	8	0.875	0.295044822	0.835213557	0.067235943	0.0894779	FALSE	1.361546454	2	24	0.275358008	0.559313096	FALSE	Genotype	4.565593657	71	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	31	-0.026255252	0.959129759	1	1	FALSE
									8	1	0.377964479	0.859949135	0.119934837	0.146361157	FALSE	1.361546454	2	24	0.275358008	0.559313096	FALSE	Genotype	4.565593657	71	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	34.5	-0.179962117	0.49202191	0.906204631	FALSE	
									11	2.363636364	0.956059405	0.720871942	0.00089463	0.00254053	TRUE	1.361546454	2	24	0.275358008	0.559313096	FALSE	PND	0.381377322	1	612	0.537096747	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	35	-0.161018736	0.544759334	0.906204631	FALSE	
									9	0.888888889	0.611111111	0.570366604	4.29426E-05	0.000281079	TRUE	1.361546454	2	24	0.275358008	0.559313096	FALSE	Genotype * PND	18.61506323	11	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	28.5	-0.29132252	0.258950993	0.743019943	FALSE	
									9	5.111111111	2.4793679	0.695460931	0.001254342	0.003473563	FALSE	1.361546454	2	24	0.275358008	0.559313096	FALSE	Genotype * PND * Call type	1.47748124	57	612	0.015666306	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	26.5	-0.42647193	0.058483312	0.444874038	FALSE	
									12	15.66666667	1.56589781	0.8638356	0.054652247	0.076753728	FALSE	1.361546454	2	24	0.275358008	0.559313096	FALSE	Genotype * PND * Call type	1.47748124	57	612	0.015666306	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	47.5	-0.100820456	0.70208531	0.939137333	FALSE	
short	P8	PND	oTbx1+/-	8					15.125	4.834539053	0.86744039	0.14278889	0.16527097	FALSE	1.622768353	2	24	0.218268212	0.559313096	FALSE	Genotype	4.565593657	71	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	30.5	-0.339328277	0.959129759	1	1	FALSE	
				8					13.25	4.087218754	0.849020808	0.093116392	0.117620706	FALSE	1.622768353	2	24	0.218268212	0.559313096	FALSE	Genotype	4.565593657	71	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	27	-0.322037473	0.177370273	0.644874038	FALSE		
				11					28.27272727	7.311374587	0.875466193	0.091090759	0.11711669	FALSE	1.622768353	2	24	0.218268212	0.559313096	FALSE	Genotype	4.565593657	71	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	27.5	-0.312565783	0.206001429	0.644874038	FALSE		
				9					13	3.905124838	0.914834887	0.351194856	0.383121661	FALSE	1.622768353	2	24	0.218268212	0.559313096	FALSE	Genotype	4.565593657	71	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	33.5	-0.145691126	0.604812834	0.926521789	FALSE		
				9					33.33333333	13.89844116	0.807207052	0.04673587	0.094777739	TRUE	1.622768353	2	24	0.218268212	0.559313096	FALSE	Genotype	4.565593657	71	612	0	PdGfraCre;Tbx1+/-	WT;Tbx1+/-	34	-0.10161403	0.169421291	0.644874038	FALSE		
				12					34.08333333	8.745958663	0.90909298	0.207195733	0.22959012	FALSE	1.622768353	2	24	0.218268212	0.5															

Figure	Measurement	Call type	PND	Genotype	# of Samples	Average	s.e.m	Shapiro-Wilk test					Levene test					Linear Mixed Model					Mann-Whitney U test										
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)				
Figure 4B	step_down	P8	oTbx1+/+	oTbx1+/-	27	17.03450018	2.203565598	0.951793015	0.236913264	0.27736187	FALSE	0.007209331	1	36	0.932805151	0.958177206	FALSE	Corrected Model	12.69567482	47	912	0.000000000	oTbx1+/+	oTbx1+/-	129	-0.101817612	0.546349031	0.974718567	FALSE				
					11	19.61154304	3.599706317	0.960571766	0.778805196	0.79537552	FALSE																						
			P12	oTbx1+/+	oTbx1+/-	27	13.16752619	3.364708074	0.59169817	5.78851E-08	3.96926E-07	TRUE	0.873593574	1	40	0.355570832	0.948188885	FALSE	PND	1.295840311	1	912	0.255273381	oTbx1+/+	oTbx1+/-	157	0.098811692	0.536091044	0.974718567	FALSE			
						12	8.505399165	1.955013986	0.873135149	0.07162638	0.090475427	FALSE																					
			P8	oTbx1+/+	oTbx1+/-	27	1.336688279	0.313639637	0.787106931	8.25136E-05	0.00220036	TRUE	0.149229077	1	36	0.701546982	0.958177206	FALSE	Call type	39.53182246	11	912	0	oTbx1+/+	oTbx1+/-	143.5	-0.02610708	0.899119881	0.974718567	FALSE			
						11	1.573785836	0.594457163	0.750182659	0.002090028	0.004180056	TRUE																					
		P12	oTbx1+/+	oTbx1+/-	30	1.789236696	0.427419086	0.770336628	1.97568E-05	5.92704E-05	TRUE	2.489159983	1	40	0.122509658	0.586275644	FALSE	Genotype * PND	0.010709424	11	912	0.001369316	oTbx1+/+	oTbx1+/-	176.5	-0.015036562	0.945286072	0.974718567	FALSE				
					12	9.940976217	8.252655216	0.398949146	3.48338E-06	1.28617E-05	TRUE																						
		short	P8	oTbx1+/+	oTbx1+/-	27	23.44773742	4.012502925	0.666321874	1.3639E-06	5.45318E-06	TRUE	0.002788636	1	36	0.958177206	0.958177206	FALSE	Genotype * PND * Call type	0.796636894	11	912	0.643654777	oTbx1+/+	oTbx1+/-	142	0.033939204	0.849168654	0.974718567	FALSE			
						11	21.62772654	4.72041667	0.830675006	0.023827234	0.035740851	TRUE																					
		P12	oTbx1+/+	oTbx1+/-	30	23.23444672	2.727284442	0.958858669	0.289563179	0.317734805	FALSE	0.183940001	1	40	0.670309944	0.958177206	FALSE																
					12	22.86873026	4.926486399	0.944190502	0.55418241	0.578277298	FALSE																						
		down_fm	P8	oTbx1+/+	oTbx1+/-	27	12.75630401	1.76961371	0.920927048	0.041565027	0.058680038	FALSE	4.472020458	1	36	0.041444496	0.497333956	FALSE															
						11	21.16328548	4.9646338	0.884678006	0.11924167	0.146758978	FALSE																					
		P12	oTbx1+/+	oTbx1+/-	30	10.37298456	1.542082257	0.928056836	0.043611676	0.059699769	FALSE	0.954744089	1	40	0.334387409	0.948188885	FALSE																
					12	13.01185528	3.11935555	0.931758583	0.399125427	0.425733789	FALSE																						
		up_fm	P8	oTbx1+/+	oTbx1+/-	27	13.05872025	1.780737559	0.92226398	0.044774827	0.059699769	FALSE	5.242724489	1	36	0.028006319	0.497333956	FALSE															
						11	6.202009894	1.944137346	0.855210662	0.04989852	0.064733215	FALSE																					
		P12	oTbx1+/+	oTbx1+/-	30	17.31720233	2.688345341	0.892989337	0.005683312	0.010103665	TRUE	0.013930753	1	40	0.9066357	0.958177206	FALSE																
					12	14.90117688	3.627231491	0.915457904	0.250485063	0.286268643	FALSE																						
		two_steps	P8	oTbx1+/+	oTbx1+/-	27	1.22818806	0.583431602	0.439589798	4.31981E-09	6.9117E-08	TRUE	0.367415161	1	36	0.548219905	0.958177206	FALSE															
						11	0.657609323	0.30689217	0.709964395	0.000628547	0.001436678	TRUE																					
		P12	oTbx1+/+	oTbx1+/-	30	0.376106479	0.140892041	0.56127277	2.53783E-08	2.03026E-07	TRUE	0.031791176	1	40	0.859386723	0.958177206	FALSE																
					12	0.420168462	0.189210931	0.706350029	0.000970717	0.002117929	TRUE																						
	flat	P8	oTbx1+/+	oTbx1+/-	27	13.18848553	1.439854436	0.955547333	0.291256905	0.317734805	FALSE	0.064044466	1	36	0.801653642	0.958177206	FALSE																
					11	13.58957049	2.677180408	0.971073091	0.897150159	0.897150159	FALSE																						
	P12	oTbx1+/+	oTbx1+/-	30	10.75966512	1.248052332	0.916827679	0.022208858	0.03438791	TRUE	0.005399042	1	40	0.941791831	0.958177206	FALSE																	
				12	9.627772862	1.980798048	0.90607655	0.189971969	0.227966362	FALSE																							
	chevron	P8	oTbx1+/+	oTbx1+/-	27	11.99601344	2.252797934	0.893206954	0.009383468	0.015531257	TRUE	0.562260857	1	36	0.458223333	0.958177206	FALSE																
					11	8.606354313	3.605578163	0.701831937	0.000493834	0.001185202	TRUE																						
	P12	oTbx1+/+	oTbx1+/-	30	7.944668927	1.340965584	0.883133352	0.0032987	0.006147453	TRUE	0.121536249	1	40	0.72920259	0.958177206	FALSE																	
				12	5.704118406	2.467406	0.713398993	0.001137725	0.002374382	TRUE																							
	complex	P8	oTbx1+/+	oTbx1+/-	27	1.359067236	0.357237975	0.747017026	1.88041E-05	5.92704E-05	TRUE	1.462744932	1	36	0.234376731	0.803577363	FALSE																
					11	0.594390633	0.456151172	0.472920179	1.71045E-07	4.30227E-06	TRUE																						
	P12	oTbx1+/+	oTbx1+/-	30	1.444040234	0.348567383	0.776604891	5.72732E-05	7.13597E-05	TRUE	0.463312445	1	40	0.500001335	0.958177206	FALSE																	
				12	2.213403834	0.819843897	0.755306244	0.003037653	0.005832293	TRUE																							
	step_up	P8	oTbx1+/+	oTbx1+/-	27	3.459543469	0.754843072	0.828750014	0.000449811	0.001136364	TRUE	2.986552004	1	36	0.092528851	0.586275644	FALSE																
					11	6.030970473	2.091188206	0.792426586	0.007478565	0.012820397	TRUE																						
	P12	oTbx1+/+	oTbx1+/-	30	2.930012431	0.802546816	0.690534443	1.14398E-06	5.26814E-06	TRUE	0.337019135	1	40	0.564811412	0.958177206	FALSE																	
				12	2.522648912	0.867273801	0.814436078	0.013736397	0.021978235	TRUE																							
	mult_steps	P8	oTbx1+/+	oTbx1+/-	27	0.053993663	0.038446941	0.300173998	2.61841E-10	6.28418E-09	TRUE	0.119494266	1	36	0.731595596	0.958177206	FALSE																
					11	0.031897927	0.031897927	0.344991028	2.2434E-08	2.03026E-07	TRUE																						
	P12	oTbx1+/+	oTbx1+/-	30	0.016955782	0.011903467	0.282110274	5.00231E-11	2.40111E-09	TRUE	0.025753757	1	40	0.873310885	0.958177206	FALSE																	
				12	0.026627063	0.026627063	0.326927483	1.20728E-06	5.26814E-06	TRUE																							
	rev_chevron	P8	oTbx1+/+	oTbx1+/-	27	1.081121699	0.315727719	0.719082952	7.22694E-06	2.47781E-05	TRUE	2.201621745	1	36	0.146568911	0.586275644	FALSE																
					11	0.31085605	0.230553927	0.488995969	1.11768E-06	5.26814E-06	TRUE																						
	P12	oTbx1+/+	oTbx1+/-	30	0.647154535	0.267451787	0.507237554	6.39587E-09	7.67																								

Figure	Measurement	Month	Session	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Linear Mixed Model				Mann-Whitney U test								
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 5A	Social Interaction (s)	1	1	oTbx1+/+	27	16.40740741	3.092707745	0.822716916	0.000347817	0.000695635	TRUE	0.0722396	1	36	0.789637762	0.789637762	FALSE	Corrected Model	0.497244222	3	72	0.685351082	oTbx1+/-	oTbx1+/+	138.5	-0.05221416	0.775387862	0.849168654	FALSE
				oTbx1+/-	11	16.09090909	6.185693972	0.732690896	0.001237266	0.001649687	TRUE							Genotype	0.111765542				1	72	0.739114848				
			2	oTbx1+/+	27	14.40740741	3.858708012	0.644196044	7.09586E-07	2.83834E-06	TRUE	0.344949992	1	36	0.56065175	0.789637762	FALSE	Session	1.379597591	1	72	0.244039836	oTbx1+/-	oTbx1+/+	142	-0.033939204	0.849168654	0.849168654	FALSE
				oTbx1+/-	11	11	3.311138228	0.855904878	0.050946602	0.050946602	FALSE							Genotype * Session	0.262132613				1	72	0.610225677				
		2	1	oTbx1+/+	21	24.23809524	7.075411737	0.65323431	7.59541E-06	1.51908E-05	TRUE	0.093406833	1	29	0.762073072	0.762073072	FALSE	Corrected Model	1.489687533	3	58	0.226836385	oTbx1+/-	oTbx1+/+	93.5	0.087281656	0.662541772	0.723978187	FALSE
				oTbx1+/-	10	30.3	16.01808006	0.521146224	6.44244E-06	1.51908E-05	TRUE							Genotype	0.005469838				1	58	0.941298006				
			2	oTbx1+/+	21	19.61904762	5.080061956	0.764962029	0.000200312	0.000267082	TRUE	0.24965746	1	29	0.621086413	0.762073072	FALSE	Session	4.309691377	1	58	0.042338451	oTbx1+/-	oTbx1+/+	95.5	-0.072102238	0.723978187	0.723978187	FALSE
				oTbx1+/-	10	15.2	5.133333333	0.841080498	0.045458931	0.045458931	TRUE							Genotype * Session	1.217519133				1	58	0.274405205				

Measurement	Month	Session	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Linear Mixed Model				Mann-Whitney U test											
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)			
Social Interaction (s)	1	1	PdgfraCre;Tbx1+/+	8	19	6.450359901	0.852384539	0.100707919	0.151061878	FALSE	1.333074967	2	24	0.282495218	0.282495218	FALSE	Corrected Model	1.081487416	5	48	0.382584793	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	25.5	0.245049015	0.370382559	0.745047522	FALSE			
			WT;Tbx1+/+	10	20	6.151783842	0.853382418	0.063721582	0.151061878	FALSE							Genotype	1.686430667				2	48	0.195965476	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	37	0.062828086	0.828557064	0.828557064	FALSE
			WT;Tbx1+/flox	9	10.11111111	2.468942894	0.870970279	0.125930494	0.151116593	FALSE							Session	0.495285736				1	48	0.484979032	WT;Tbx1+/flox	WT;Tbx1+/+	35.5	-0.177951304	0.496698348	0.745047522	FALSE
		2	PdgfraCre;Tbx1+/+	8	11.625	4.37907973	0.852137342	0.100130923	0.151061878	FALSE	1.941945267	2	24	0.165308228	0.282495218	FALSE	Genotype*Session	0.843209591	2	48	0.436601196	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	31	0.116690007	0.672974085	0.807568902	FALSE			
			WT;Tbx1+/+	10	23.3	9.316711389	0.746606164	0.003244757	0.01946854	TRUE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+				29.5	-0.219898302	0.408245349	0.745047522	FALSE					
			WT;Tbx1+/flox	9	7	1.748014747	0.925306341	0.437971545	0.437971545	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+				29	-0.29970746	0.21102427	0.745047522	FALSE					
	2	1	PdgfraCre;Tbx1+/+	8	25.375	10.82480204	0.646705991	0.000554496	0.001663489	TRUE	0.105027705	2	18	0.900847215	0.972131	FALSE	Corrected Model	0.499425251	5	36	0.774566604	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	27	0.029880715	0.955089355	0.955089355	FALSE			
			WT;Tbx1+/+	6	26.16666667	19.80642432	0.554416353	0.000124267	0.000745601	TRUE							Genotype	0.03924997				2	36	0.961551418	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	13.5	0.362284419	0.228438228	0.89044289	FALSE
			WT;Tbx1+/flox	7	21.28571429	7.870119155	0.815067345	0.057543741	0.067157791	FALSE							Session	1.75456665				1	36	0.193651322	WT;Tbx1+/flox	WT;Tbx1+/+	14.5	0.257539377	0.445221445	0.89044289	FALSE
		2	PdgfraCre;Tbx1+/+	8	17.875	6.418270517	0.835164751	0.067157791	0.067157791	FALSE	0.028309139	2	18	0.972131	0.972131	FALSE	Genotype*Session	0.238208993	2	36	0.789270203	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	26	0.05976143	0.866511267	0.955089355	FALSE			
			WT;Tbx1+/+	6	22.83333333	12.78910126	0.642868731	0.00146069	0.002921381	TRUE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+				20.5	-0.120761473	0.754578755	0.955089355	FALSE					
			WT;Tbx1+/flox	7	18.85714286	9.174053919	0.752239945	0.013389431	0.020084147	TRUE							WT;Tbx1+/flox	WT;Tbx1+/+				15	-0.237728656	0.445221445	0.89044289	FALSE					

Figure	Measurement	Month	Session	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Linear Mixed Model				Mann-Whitney U test								
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 5B	Sniffing novel object (s)	1	1	oTbx1+/+	26	14.57692308	2.634781017	0.846840904	0.001236135	0.00247227	TRUE	0.08242971	1	35	0.775724316	0.775724316	FALSE	Corrected Model	2.521664315	3	70	0.064800787	oTbx1+/-	oTbx1+/+	129	-0.076479138	0.65844134	0.934817788	FALSE
				oTbx1+/-	11	12.36363636	3.739889953	0.818474025	0.016467715	0.016467715	TRUE							Genotype	2.25065E-05	1	70	0.996228266							
			2	oTbx1+/+	26	8.115384615	1.778786901	0.802681024	0.000195641	0.000782565	TRUE	1.057934255	1	35	0.310742865	0.621485731	FALSE	Session	3.706544227	1	70	0.05826308	oTbx1+/-	oTbx1+/+	140	-0.016388387	0.934817788	0.934817788	FALSE
				oTbx1+/-	11	10.36363636	4.101602186	0.789282155	0.006799356	0.009065808	TRUE							Genotype * Session	1.03048056	1	70	0.31354175							
		2	1	oTbx1+/+	21	8	1.657594356	0.868273317	0.008915895	0.01783179	TRUE	2.542177104	1	29	0.12168399	0.243367981	FALSE	Corrected Model	0.495546864	3	58	0.686790912	oTbx1+/-	oTbx1+/+	104	0.007589709	0.983438982	0.983438982	FALSE
				oTbx1+/-	10	6.8	1.41264134	0.911900064	0.294299164	0.294299164	FALSE							Genotype	0.116338641	1	58	0.734272506							
			2	oTbx1+/+	21	6.333333333	1.731134136	0.786296484	0.000408019	0.001632078	TRUE	0.028910762	1	29	0.86616589	0.86616589	FALSE	Session	0.920506319	1	58	0.341324669	oTbx1+/-	oTbx1+/+	99	0.045538256	0.81932528	0.983438982	FALSE
				oTbx1+/-	10	5.9	2.008039398	0.823579501	0.027996164	0.037328218	TRUE							Genotype * Session	0.082129844	1	58	0.775452844							

Measurement	Month	Session	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Generalized Linear Mixed Model				Mann-Whitney U test								
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Sniffing novel object (s)	1	1	PdgfraCre;Tbx1+/+	8	12	3.9551052	0.861423719	0.124057733	0.148869279	FALSE	0.476633313	2	23	0.626867139	0.952913718	FALSE	Corrected Model	3.093385391	5	46	0.017260974	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	30.5	-0.128359008	0.672974085	0.931427396	FALSE
			WT;Tbx1+/+	9	14	3.989569735	0.818691778	0.033304831	0.066609661	FALSE							Genotype	0.177160277	2	46	0.838214318	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	30	-0.140028008	0.605841218	0.931427396	FALSE
			WT;Tbx1+/flox	9	17.44444444	5.725457554	0.864838833	0.10819449	0.148869279	FALSE							Session	12.98794535	1	46	0.000767292	WT;Tbx1+/flox	WT;Tbx1+/+	37	0.072845563	0.796174414	0.931427396	FALSE
		2	PdgfraCre;Tbx1+/+	8	7	3.5152728	0.759035249	0.010275376	0.030826129	TRUE	0.048332199	2	23	0.952913718	0.952913718	FALSE	Genotype*Session	0.931759073	2	46	0.401165818	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	28	-0.186704011	0.480707528	0.931427396	FALSE
			WT;Tbx1+/+	9	9.555555556	3.667087518	0.721553597	0.00253196	0.01519176	TRUE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	26	-0.233380014	0.370382559	0.931427396	FALSE					
			WT;Tbx1+/flox	9	7.666666667	2.254624876	0.919315229	0.386600395	0.386600395	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	39	-0.031219527	0.931427396	0.931427396	FALSE					
	2	1	PdgfraCre;Tbx1+/+	8	7.5	2.692582404	0.907626652	0.337653424	0.37778911	FALSE	0.627763682	2	18	0.545071894	0.545071894	FALSE	Corrected Model	0.477274668	5	36	0.790748408	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	27	-0.029880715	0.955089355	1	FALSE
			WT;Tbx1+/+	6	8	2.695675549	0.87228892	0.23548219	0.353223285	FALSE							Genotype	0.057987693	2	36	0.943749519	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	23.5	-0.017251639	1	1	FALSE
			WT;Tbx1+/flox	7	8.571428571	3.537938214	0.813275039	0.055283937	0.110567873	FALSE							Session	1.061158579	1	36	0.309822637	WT;Tbx1+/flox	WT;Tbx1+/+	19	-0.079242885	0.835664336	1	FALSE
		2	PdgfraCre;Tbx1+/+	8	8	4.110092109	0.764055086	0.011666808	0.070000849	FALSE	1.298312466	2	18	0.297363734	0.545071894	FALSE	Genotype*Session	0.658142803	2	36	0.523930478	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	27	0.029880715	0.955089355	1	FALSE
			WT;Tbx1+/+	6	6.333333333	1.452966315	0.90065047	0.37778911	0.37778911	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	19.5	-0.155264751	0.662004662	1	FALSE					
			WT;Tbx1+/flox	7	4.428571429	2.191511143	0.796592563	0.037898712	0.110567873	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	14	-0.277350098	0.365967366	1	FALSE					

Figure	Measurement	Month	Delay (s)	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Linear Mixed Model					Mann-Whitney U test								
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	
Figure 6A	% alternation	1	0	oTbx1+/+	24	87.96296296	2.209774585	0.817882433	0.000586058	0.001758173	TRUE	1.26349718	1	32	0.269351926	0.808055777	FALSE	Corrected Model	66.06011981	5	96	0	oTbx1+/-	oTbx1+/+	113	0.045374261	0.809114032	0.809114032	FALSE	
				oTbx1+/-	10	88.88888889	3.3126933	0.84073699	0.04503041	0.054036492	FALSE							Genotype	4.660889678	1	96		0.033349839							
			15	oTbx1+/+	24	51.85185185	2.184325276	0.813035203	0.000484908	0.001758173	TRUE	0.003101076	1	32	0.955937164	0.955937164	FALSE	Delay	122.9828701	2	96		0	oTbx1+/-	oTbx1+/+	113	0.045374261	0.809114032	0.809114032	FALSE
				oTbx1+/-	10	53.33333333	3.228814032	0.884986306	0.14879822	0.14879822	FALSE							Genotype * Delay	3.150937861	2	96		0.04727228							
			30	oTbx1+/+	24	44.90740741	2.059150213	0.905249105	0.027853786	0.041780679	TRUE	0.011740247	1	32	0.914392707	0.955937164	FALSE	Corrected Model	38.5469499	5	81		0	oTbx1+/-	oTbx1+/+	43	0.499116867	0.002700336	0.008101007	TRUE
				oTbx1+/-	10	57.77777778	2.771598064	0.819704545	0.025134415	0.041780679	TRUE							Genotype	2.046863951	1	81			0.156366686						
		2	0	oTbx1+/+	20	88.88888889	2.418254167	0.832136365	0.002714676	0.008144029	TRUE	0.005608641	1	27	0.940853676	0.940853676	FALSE	Genotype	2.046863951	1	81	0.156366686		oTbx1+/-	oTbx1+/+	80	-0.087537622	0.660118692	0.660118692	FALSE
				oTbx1+/-	9	85.18518519	4.899539465	0.790885567	0.016062009	0.032124018	TRUE							Delay	81.56087251	2	81	0		oTbx1+/-	oTbx1+/+	72.5	-0.153190838	0.443859589	0.660118692	FALSE
			15	oTbx1+/+	20	54.44444444	2.265657383	0.898171934	0.038114561	0.057171842	FALSE	2.474961012	1	27	0.127318695	0.381956086	FALSE	Genotype * Delay	0.243946056	2	81	0.784103458		oTbx1+/-	oTbx1+/+	75	-0.131306433	0.501389665	0.660118692	FALSE
				oTbx1+/-	9	48.14814815	5.237828009	0.911520399	0.326661423	0.337937343	FALSE							Corrected Model	38.5469499	5	81	0.784103458								
			30	oTbx1+/+	20	51.11111111	2.47140896	0.800994201	0.000893986	0.005363913	TRUE	0.039618489	1	27	0.843719703	0.940853676	FALSE	Genotype	2.046863951	1	81	0.156366686	oTbx1+/-	oTbx1+/+	75	-0.131306433	0.501389665	0.660118692	FALSE	
				oTbx1+/-	9	49.38271605	3.266359643	0.913067364	0.337937343	0.337937343	FALSE							Delay	81.56087251	2	81	0.784103458								

Measurement	Month	Delay (s)	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Generalized Linear Mixed Model					Mann-Whitney U test										
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)			
% alternation	1	0	PdgfraCre;Tbx1+/+	8	86.11111111	2.777777778	0.827205306	0.05551859	0.124916827	FALSE	0.400924437	2	21	0.674718601	0.961718489	FALSE	Corrected Model	31.01103484	8	63	0	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	26.5	-0.221711013	0.423447141	1	FALSE			
			WT;Tbx1+/+	7	87.3015873	4.489566865	0.664435629	0.001497441	0.006738486	TRUE							Genotype	0.104620037	2	63		0.900822824	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	27.5	-0.014940358	1	1	FALSE		
			WT;Tbx1+/flox	9	90.12345679	4.320987654	0.775541227	0.01070126	0.032103779	TRUE							Delay	121.2150635	2	63		0	WT;Tbx1+/flox	WT;Tbx1+/+	27.5	0.105851225	0.757692308	1	FALSE		
		15	PdgfraCre;Tbx1+/+	8	50	4.199605256	0.567903737	6.66981E-05	0.000600283	TRUE	0.122464503	2	21	0.885364514	0.961718489	FALSE	Genotype*Delay	0.26479949	4	63		0.899485819	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	35	-0.023338001	0.962566845	1	FALSE		
			WT;Tbx1+/+	7	53.96825397	4.489566865	0.893581377	0.293870591	0.293870591	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	22.5	-0.164343934		0.612587413	1	FALSE							
			WT;Tbx1+/flox	9	51.85185185	3.207501495	0.872821722	0.131797654	0.175446148	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	27	-0.119082628		0.680594406	1	FALSE							
		30	PdgfraCre;Tbx1+/+	8	45.83333333	3.893138268	0.871515193	0.155952131	0.175446148	FALSE	0.039106145	2	21	0.961718489	0.961718489	FALSE	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	35.5	-0.011669001		1	1	FALSE							
			WT;Tbx1+/+	7	44.44444444	3.428963332	0.8577129	0.144397137	0.175446148	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	27	0.029880715		0.955089355	1	FALSE							
			WT;Tbx1+/flox	9	44.44444444	3.703703704	0.853289618	0.080990849	0.145783528	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	30	0.039694209		0.918181818	1	FALSE							
		2	0	PdgfraCre;Tbx1+/+	8	87.5	3.893138268	0.735991362	0.005710635	0.019119856	TRUE	0.205732484	2	17	0.816047931	0.925960593	FALSE	Corrected Model	22.23991673	8		51	3.94129E-14	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	22	-0.069006556	0.851814852	0.94971695	FALSE	
				WT;Tbx1+/+	6	90.74074074	5.30289669	0.772718964	0.032937266	0.074108848	FALSE							Genotype	0.119696984	2		51		0.887437723	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	19.5	-0.155264751	0.662004662	0.94971695	FALSE
				WT;Tbx1+/flox	6	88.88888889	4.05720413	0.853191607	0.167002833	0.214717928	FALSE							Delay	87.4546486	2		51		0	WT;Tbx1+/flox	WT;Tbx1+/+	15	-0.138675049	0.699134199	0.94971695	FALSE
	15		PdgfraCre;Tbx1+/+	8	55.55555556	2.969569355	0.848910992	0.092877818	0.139316727	FALSE	0.476	2	17	0.629298498	0.925960593	FALSE	Genotype*Delay	0.640087093	4	51	0.636335206	PdgfraCre;Tbx1+/+		WT;Tbx1+/flox	17	0.241522946	0.413586414	0.94971695	FALSE		
			WT;Tbx1+/+	6	57.40740741	5.30289669	0.907578534	0.420658529	0.473240845	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	23	-0.034503278	0.94971695	0.94971695		FALSE							
			WT;Tbx1+/flox	6	50	3.79516695	0.701259348	0.006373285	0.019119856	TRUE							WT;Tbx1+/flox	WT;Tbx1+/+	13	-0.231125082	0.484848485	0.94971695		FALSE							
	30		PdgfraCre;Tbx1+/+	8	52.77777778	3.482128725	0.826041799	0.053987435	0.097177383	FALSE	0.077272727	2	17	0.925960593	0.925960593	FALSE	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	23	0.034503278	0.94971695	0.94971695		FALSE							
			WT;Tbx1+/+	6	48.14814815	5.493480361	0.665788341	0.002641354	0.019119856	TRUE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	19.5	0.155264751	0.662004662	0.94971695		FALSE							
			WT;Tbx1+/flox	6	51.85185185	4.684855793	0.915458969	0.473270921	0.473270921	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	15.5	0.115562541	0.818181818	0.94971695		FALSE							

Figure	Measurement	Month	Delay (s)	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Linear Mixed Model					Mann-Whitney U test							
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 5B	Latency to correct arm (s)	1	0	oTbx1+/+	24	7.060929233	0.514093404	0.800175638	0.00029653	0.00177918	TRUE	0.277615077	1	32	0.601902435	0.601902435	FALSE	Corrected Model	16.83605715	5	96	6.44695E-12	oTbx1+/-	oTbx1+/+	110	0.064820372	0.723944044	0.896531195	FALSE
				oTbx1+/-	10	7.045238095	0.530928951	0.926337453	0.412848339	0.476660672	FALSE							Genotype	2.181306251	1	96	0.142968861							
			15	oTbx1+/+	24	23.71111111	3.024286701	0.822986774	0.000717253	0.00215176	TRUE	0.326055759	1	32	0.571979595	0.601902435	FALSE	Delay	27.42527721	2	96	3.79112E-10	oTbx1+/-	oTbx1+/+	116	-0.025928149	0.896531195	0.896531195	FALSE
		oTbx1+/-	10	21.89666667	3.777162368	0.850065677	0.058193748	0.116387496	FALSE	Genotype * Delay	2.058495873							2	96	0.13324324									
		30	oTbx1+/+	24	30.76111111	2.763625603	0.951467639	0.29143235	0.437148525	FALSE	1.123976658	1	32	0.297000607	0.601902435	FALSE						oTbx1+/-	oTbx1+/+	67	-0.343547973	0.045949085	0.137847254	FALSE	
		oTbx1+/-	10	20.47833333	3.235213323	0.932865391	0.476660672	0.476660672	FALSE																				
	2	0	oTbx1+/+	20	8.249603175	1.084890689	0.650063636	1.01826E-05	6.10959E-05	TRUE	1.416496538	1	27	0.244340874	0.366511312	FALSE	Corrected Model	9.617022113	5	81	3.11418E-07	oTbx1+/-	oTbx1+/+	79	0.096291384	0.626843222	0.626843222	FALSE	
			oTbx1+/-	9	10.25432099	2.448449218	0.825388972	0.039632942	0.118898826	FALSE							Genotype	1.113528338	1	81	0.294453611								
		15	oTbx1+/+	20	21.45690476	2.262232887	0.949405569	0.358157001	0.358157001	FALSE	1.772805112	1	27	0.194168243	0.366511312	FALSE	Delay	18.44615477	2	81	2.50312E-07	oTbx1+/-	oTbx1+/+	58	0.28012039	0.13969359	0.419080769	FALSE	
		oTbx1+/-	9	32.12037037	6.192265298	0.86589138	0.11106244	0.145532979	FALSE	Genotype * Delay							2.582518592	2	81	0.081796465									
		30	oTbx1+/+	20	27.41833333	3.194822863	0.924555501	0.121277482	0.145532979	FALSE	0.387060947	1	27	0.539067153	0.539067153	FALSE						oTbx1+/-	oTbx1+/+	71	-0.166321482	0.390153575	0.585230362	FALSE	
		oTbx1+/-	9	23.54814815	4.343311557	0.852295522	0.078981247	0.145532979	FALSE																				

Measurement	Month	Delay (s)	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Generalized Linear Mixed Model					Mann-Whitney U test						
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)
Latency to correct arm (s)	1	0	PdgfraCre;Tbx1+/+	8	6.936507937	1.245302549	0.49801402	9.77951E-06	8.80156E-05	TRUE	0.118489741	2	21	0.888850552	0.888850552	FALSE	Corrected Model	12.80465967	8	63	9.75433E-11	PdgfraCre;Tbx1+/+ WT;Tbx1+/flox	26	-0.233380014	0.370382559	0.666688606	FALSE
			WT;Tbx1+/+	7	7.238095238	0.859979629	0.889504742	0.272090107	0.61220274	FALSE							Genotype	1.578749645	2	63	0.214282282	PdgfraCre;Tbx1+/+ WT;Tbx1+/+	27	-0.029880715	0.955089355	1	FALSE
			WT;Tbx1+/flox	9	7.033730159	0.619516622	0.953498416	0.728441817	0.964816546	FALSE							Delay	41.38453208	2	63	3.34022E-12	WT;Tbx1+/flox WT;Tbx1+/+	31.5	0	1	1	FALSE
		15	PdgfraCre;Tbx1+/+	8	32.51875	7.148675811	0.867888501	0.143716676	0.61220274	FALSE	1.806979696	2	21	0.188754388	0.283131582	FALSE	Genotype*Delay	4.562533663	4	63	0.0026726	PdgfraCre;Tbx1+/+ WT;Tbx1+/flox	30	0.140028008	0.605841218	0.778938708	FALSE
		WT;Tbx1+/+	7	13.89285714	1.511419745	0.881281719	0.232198499	0.61220274	FALSE	PdgfraCre;Tbx1+/+ WT;Tbx1+/+							8	0.597614305	0.020512821	0.140034965	FALSE						
		WT;Tbx1+/flox	9	23.51851852	3.323532402	0.936177907	0.542290058	0.964816546	FALSE	WT;Tbx1+/flox WT;Tbx1+/+							14	0.463099109	0.071153846	0.213461538	FALSE						
		30	PdgfraCre;Tbx1+/+	8	33.4	5.751512051	0.954254508	0.753939808	0.964816546	FALSE	2.91193178	2	21	0.076529454	0.229588362	FALSE						PdgfraCre;Tbx1+/+ WT;Tbx1+/flox	20	0.373408022	0.138790621	0.312278898	FALSE
		WT;Tbx1+/+	7	37.25952381	4.89605426	0.981124342	0.964816546	0.964816546	FALSE	PdgfraCre;Tbx1+/+ WT;Tbx1+/+							22	-0.179284291	0.535819736	0.778938708	FALSE						
		WT;Tbx1+/flox	9	23.36111111	2.668082668	0.967019227	0.868103653	0.964816546	FALSE	WT;Tbx1+/flox WT;Tbx1+/+							11	-0.542487527	0.031118881	0.140034965	FALSE						
	2	0	PdgfraCre;Tbx1+/+	8	7.634672619	0.856014268	0.893506903	0.252187548	0.567421983	FALSE	2.318063852	2	17	0.128762611	0.193143916	FALSE	Corrected Model	5.716167127	8	51	3.39007E-05	PdgfraCre;Tbx1+/+ WT;Tbx1+/flox	20	-0.138013112	0.662004662	0.754578755	FALSE
			WT;Tbx1+/+	6	6.136574074	0.419288306	0.935332466	0.621863247	0.799538461	FALSE							Genotype	0.163060535	2	51	0.849980901	PdgfraCre;Tbx1+/+ WT;Tbx1+/+	14.5	0.327781141	0.282384282	0.754578755	FALSE
			WT;Tbx1+/flox	6	11.18253968	3.263533536	0.781374891	0.039698931	0.357290375	FALSE							Delay	20.11273606	2	51	3.63144E-07	WT;Tbx1+/flox WT;Tbx1+/+	12.5	0.25423759	0.484848485	0.754578755	FALSE
		15	PdgfraCre;Tbx1+/+	8	18.46458333	3.639106975	0.925920356	0.479712667	0.799538461	FALSE	3.251300612	2	17	0.063728018	0.191184054	FALSE	Genotype*Delay	1.061101788	4	51	0.385349838	PdgfraCre;Tbx1+/+ WT;Tbx1+/flox	16	-0.276026224	0.344988345	0.754578755	FALSE
		WT;Tbx1+/+	6	20.77301587	2.072925902	0.928919732	0.571785689	0.799538461	FALSE	PdgfraCre;Tbx1+/+ WT;Tbx1+/+							18	-0.207019668	0.490842491	0.754578755	FALSE						
		WT;Tbx1+/flox	6	26.13055556	5.381154386	0.960050918	0.820132956	0.820132956	FALSE	WT;Tbx1+/flox WT;Tbx1+/+							15	0.138675049	0.699134199	0.754578755	FALSE						
		30	PdgfraCre;Tbx1+/+	8	28.00625	6.083776841	0.851422944	0.0984807	0.44316315	FALSE	0.906736253	2	17	0.422502853	0.422502853	FALSE						PdgfraCre;Tbx1+/+ WT;Tbx1+/flox	21	0.103509834	0.754578755	0.754578755	FALSE
		WT;Tbx1+/+	6	30.63333333	6.500957194	0.873464834	0.240368777	0.567421983	FALSE	PdgfraCre;Tbx1+/+ WT;Tbx1+/+							21	-0.103509834	0.754578755	0.754578755	FALSE						
		WT;Tbx1+/flox	6	23.41944444	3.546480824	0.954883247	0.779566398	0.820132956	FALSE	WT;Tbx1+/flox WT;Tbx1+/+							13	-0.231125082	0.484848485	0.754578755	FALSE						

Figure	Measurement	Month	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Mann-Whitney U test							
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 7A	% open arms time	1	oTbx1+/+	23	13.92453346	2.578767506	0.871431687	0.00682799	0.01365598	TRUE	0.03061532	1	32	0.862203787	0.862203787	FALSE	oTbx1+/-	oTbx1+/+	100	0.167302625	0.343976779	0.343976779	FALSE
			oTbx1+/-	11	16.98607089	3.279767612	0.906204785	0.219762803	0.219762803	FALSE													
		2	oTbx1+/+	20	5.617823791	1.293061822	0.865730567	0.009893527	0.019787054	TRUE	0.129376135	1	28	0.721778502	0.721778502	FALSE	oTbx1+/-	oTbx1+/+	98	0.016064387	0.948316451	0.948316451	FALSE
			oTbx1+/-	10	6.108311403	1.697112495	0.861318188	0.079087694	0.079087694	FALSE													

Measurement	Month	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					One way ANOVA					Student t test									
						Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Sample1	Sample2	Statistic	dof	cohens_d	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
% open arms time	1	PdgfraCre;Tbx1+/+	7	12.90725421	4.103497891	0.886610333	0.257444394	0.386166591	FALSE	0.107045624	2	20	0.898995957	0.898995957	FALSE	Intercept	4421.166501	1	4421.166501	26.47361987	4.92643E-05	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	-0.090770003	14	-0.045743782	0.928961264	0.928961264	FALSE
		WT;Tbx1+/+	7	15.44729701	4.180055074	0.973508997	0.922513345	0.922513345	FALSE							Genotype	24.86679522	2	12.43339761	0.074450271	0.928509658	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	-0.43363151	12	-0.231785792	0.672249124	0.928961264	FALSE
		WT;Tbx1+/flox	9	13.53137901	5.135617804	0.770175921	0.009280317	0.02784095	TRUE							Error	3340.054381	20	167.0027191			WT;Tbx1+/flox	WT;Tbx1+/+	-0.277229778	14	-0.139710676	0.785655127	0.928961264	FALSE
	2	PdgfraCre;Tbx1+/+	8	7.962568057	2.541302393	0.9223745	0.449425688	0.674138532	FALSE	1.779086372	2	17	0.19881424	0.19881424	FALSE	Intercept	563.5759562	1	563.5759562	18.85031974	0.000443371	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.934686976	12	1.044850385	0.076951997	0.126596757	FALSE
		WT;Tbx1+/+	6	6.17210563	1.907847722	0.972621635	0.90955982	0.90955982	FALSE							Genotype	127.1072061	2	63.55360307	2.125721876	0.14997335	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	0.529258771	12	0.285832405	0.606278344	0.606278344	FALSE
		WT;Tbx1+/flox	6	1.937216264	1.116534507	0.751259955	0.02049345	0.061480349	FALSE							Error	508.2561668	17	29.89742157			WT;Tbx1+/flox	WT;Tbx1+/+	-1.915762576	10	-1.106066039	0.084397838	0.126596757	FALSE

Figure	Measurement	Month	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Student t test								
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Sample1	Sample2	Statistic	dof	cohens_d	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 7B	% open arm visits	1	oTbx1+/+	23	38.76689665	3.457186322	0.959194931	0.447303171	0.472928936	FALSE	0.034575631	1	32	0.853661423	0.853661423	FALSE	oTbx1+/-	oTbx1+/+	1.741236711	32	0.638317885	0.091249849	0.091249849	FALSE
			oTbx1+/-	11	48.92821047	4.328945934	0.935843176	0.472928936	0.472928936	FALSE														
		2	oTbx1+/+	20	16.20798761	2.580004845	0.933143261	0.177461607	0.339087396	FALSE	0.734877731	1	28	0.398584802	0.398584802	FALSE	oTbx1+/-	oTbx1+/+	0.59246246	28	0.229459724	0.558295668	0.558295668	FALSE
			oTbx1+/-	10	19.18868564	4.938885044	0.91781454	0.339087396	0.339087396	FALSE														

Measurement	Month	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					One way ANOVA					Student t test									
						Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Sample1	Sample2	Statistic	dof	cohens_d	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
% open arm visits	1	PdgfraCre;Tbx1+/+	7	35.6769162	4.664325787	0.928344033	0.536905413	0.536905413	FALSE	0.54245905	2	20	0.589631629	0.589631629	FALSE	Intercept	33992.03738	1	33992.03738	114.4766364	1.00324E-09	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	-0.38767913	14	-0.195371917	0.704083822	0.851686321	FALSE
		WT;Tbx1+/+	7	41.14160143	5.028883164	0.831111044	0.081981393	0.219437109	FALSE						Genotype	109.0958965	2	54.54794824	0.183703776	0.833570659	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	-0.796719857	12	-0.425864677	0.441092294	0.851686321	FALSE	
		WT;Tbx1+/flox	9	39.32322217	7.418792132	0.877086869	0.146291406	0.219437109	FALSE						Error	5938.685561	20	296.934278			WT;Tbx1+/flox	WT;Tbx1+/+	-0.190455488	14	-0.095980544	0.851686321	0.851686321	FALSE	
	2	PdgfraCre;Tbx1+/+	8	20.47904805	3.951856074	0.921801353	0.444650175	0.666975262	FALSE	0.062288917	2	17	0.939824807	0.939824807	FALSE	Intercept	4860.798667	1	4860.798667	38.36512241	9.80937E-06	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.794257938	12	0.969010037	0.097985827	0.293957482	FALSE
		WT;Tbx1+/+	6	16.68154542	5.036940952	0.970955927	0.898793324	0.898793324	FALSE						Genotype	375.5691249	2	187.7845625	1.482138681	0.255070525	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	0.602275965	12	0.325266196	0.558199622	0.558199622	FALSE	
		WT;Tbx1+/flox	6	10.03968254	4.156071184	0.906492643	0.413726943	0.666975262	FALSE						Error	2153.872376	17	126.698375			WT;Tbx1+/flox	WT;Tbx1+/+	-1.017097195	10	-0.587221339	0.33308331	0.499624965	FALSE	

Figure	Measurement	Month	Time (min)	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Linear Mixed Model				Mann-Whitney U test								
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Source	F	df1	df2	Sig.	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 8C	Total Distance (cm)	1	5	oTbx1+/+	24	523.3911589	30.20140117	0.975883028	0.809668571	0.809668571	FALSE	4.130581659	1	33	0.050226926	0.301361554	FALSE	Corrected Model	14.18810262	11	198	0	oTbx1+/-	oTbx1+/+	125	0.042043748	0.82012655	0.902572012	FALSE
				oTbx1+/-	11	575.0133513	81.09884483	0.924914551	0.361718736	0.569470319	FALSE							Genotype	0.631374662				1	198	0.4278029				
			10	oTbx1+/+	24	428.858175	25.3219597	0.947354113	0.237276704	0.569470319	FALSE	1.663209327	1	33	0.206136149	0.412272297	FALSE	Time	27.84739692	5	198	0	oTbx1+/-	oTbx1+/+	126	0.036037499	0.84744042	0.902572012	FALSE
				oTbx1+/-	11	463.1100966	54.68330524	0.916262967	0.288732783	0.569470319	FALSE							Genotype * Time	0.955127959				5	198	0.446565974				
			15	oTbx1+/+	24	353.2098723	29.23769273	0.966833314	0.589787776	0.707745332	FALSE	0.140317736	1	33	0.710361842	0.896645927	FALSE	oTbx1+/-	oTbx1+/+	128	0.024024999	0.902572012	0.902572012	FALSE					
				oTbx1+/-	11	411.012008	55.7960521	0.755590857	0.002459007	0.029508078	TRUE																		
			20	oTbx1+/+	24	323.8313083	27.24334579	0.975754462	0.806709631	0.809668571	FALSE	0.017135892	1	33	0.896645927	0.896645927	FALSE	oTbx1+/-	oTbx1+/+	120	0.072074997	0.687299671	0.902572012	FALSE					
				oTbx1+/-	11	349.0746296	38.67701388	0.902850991	0.200221378	0.569470319	FALSE																		
			25	oTbx1+/+	24	264.9099236	32.94277932	0.903535486	0.02559625	0.153577498	FALSE	0.040522424	1	33	0.841698265	0.896645927	FALSE	oTbx1+/-	oTbx1+/+	93	0.23424374	0.173954599	0.902572012	FALSE					
				oTbx1+/-	11	339.7488583	47.44333904	0.940451418	0.525819716	0.701092954	FALSE																		
			30	oTbx1+/+	24	246.8655593	33.32994361	0.947492768	0.238941106	0.569470319	FALSE	2.249666174	1	33	0.143150583	0.412272297	FALSE	oTbx1+/-	oTbx1+/+	111	-0.126131245	0.472220258	0.902572012	FALSE					
				oTbx1+/-	11	201.5505166	37.02036109	0.926826438	0.37964688	0.569470319	FALSE																		

Measurement	Month	Time (min)	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Repeated Measures ANOVA					Student t test										
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Type III Sum of Squares	df	Mean Square	F	Sig.	Sample1	Sample2	Statistic	dof	cohens_d	p_value	p_adj(FDR BH)	Rejects(FDR 5%)		
Total Distance (cm)	1	5	PdgfraCre;Tbx1+/+	8	620.0439824	61.18380332	0.896772958	0.270160506	0.686126804	FALSE	0.78676576	2	21	0.468282323	0.702423485	FALSE	Within subjects						PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.782324381	15	0.866053977	0.094944335	0.18988867	FALSE	
			WT;Tbx1+/+	7	441.6039626	47.42794277	0.93556056	0.599115546	0.898673318	FALSE							Time	Greenhouse-Geisser	1232066.871	3.551512016	346913.3331	18.43930669	6.42253E-10	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	2.254227774	13	1.166673712	0.042077619	0.182512156	FALSE
			WT;Tbx1+/flox	9	501.0898018	31.91778323	0.918522745	0.380149455	0.760298911	FALSE							Time * Genotype	Greenhouse-Geisser	149400.5872	7.103024031	21033.37769	1.11797635	0.361061454	WT;Tbx1+/flox	WT;Tbx1+/+	1.0781018	14	0.543312238	0.299214264	0.414296673	FALSE
		10	PdgfraCre;Tbx1+/+	8	528.1841483	47.57087669	0.949171774	0.702877111	0.973214461	FALSE	1.114125751	2	21	0.346839968	0.693679937	FALSE	Error(Time)	Greenhouse-Geisser	1403165.787	74.58175233	18813.79484			PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	2.69065136	15	1.307421554	0.016770132	0.182512156	FALSE
			WT;Tbx1+/+	7	384.9748501	26.01161759	0.970333	0.900838417	0.980892361	FALSE							Between subjects						PdgfraCre;Tbx1+/+	WT;Tbx1+/+	2.532927569	13	1.31091456	0.024986314	0.182512156	FALSE	
			WT;Tbx1+/flox	9	374.699896	33.33231151	0.977856565	0.952350694	0.980892361	FALSE							Intercept		18280351.96	1	18280351.96	417.5782475	2.43882E-15	WT;Tbx1+/flox	WT;Tbx1+/+	-0.231693882	14	-0.116762741	0.820128066	0.820128066	FALSE
		15	PdgfraCre;Tbx1+/+	8	435.548186	56.01819145	0.984272937	0.980892361	0.980892361	FALSE	2.264993593	2	21	0.12860899	0.678212575	FALSE	Genotype		479372.5079	2	239686.254	5.475155296	0.012198718	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.870796877	15	0.909043883	0.081011856	0.182512156	FALSE
			WT;Tbx1+/+	7	331.29903	29.99137947	0.789411464	0.03213434	0.431236082	FALSE							Error		919318.4597	21	43777.06951			PdgfraCre;Tbx1+/+	WT;Tbx1+/+	1.571756012	13	0.813461019	0.140019642	0.22912305	FALSE
			WT;Tbx1+/flox	9	297.0620262	48.93223185	0.905661169	0.286676525	0.686126804	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	-0.554475257	14	-0.279429264	0.588002519	0.661502834	FALSE							
		20	PdgfraCre;Tbx1+/+	8	411.8585995	57.63072458	0.973883362	0.926616722	0.980892361	FALSE	1.597337999	2	21	0.226070858	0.678212575	FALSE	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.92146405	15	0.933663704	0.073882743	0.182512156	FALSE							
			WT;Tbx1+/+	7	260.7565684	42.47375038	0.889114132	0.270074414	0.686126804	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	2.057488232	13	1.064851326	0.060276832	0.182512156	FALSE							
			WT;Tbx1+/flox	9	294.6429583	26.46424959	0.856295547	0.087368002	0.524208011	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	0.70823831	14	0.35691856	0.490422016	0.630542591	FALSE							
		25	PdgfraCre;Tbx1+/+	8	337.0979663	67.94142154	0.902611055	0.304945246	0.686126804	FALSE	0.479360415	2	21	0.62579012	0.750948144	FALSE	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.967124166	15	0.955850532	0.06794745	0.182512156	FALSE							
			WT;Tbx1+/+	7	280.8983661	57.58848895	0.918866143	0.460635174	0.763439422	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	0.620765095	13	0.321276459	0.545484347	0.654581216	FALSE							
			WT;Tbx1+/flox	9	188.3073192	38.18211176	0.832731267	0.04791512	0.431236082	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	-1.390976099	14	-0.700986064	0.185945611	0.278918417	FALSE							
		30	PdgfraCre;Tbx1+/+	8	285.4238129	54.60920401	0.924397037	0.466546314	0.763439422	FALSE	0.105755822	2	21	0.900120365	0.900120365	FALSE	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.663575002	15	0.808352151	0.116943757	0.210498763	FALSE							
			WT;Tbx1+/+	7	310.8749546	62.46942788	0.966178335	0.869648503	0.980892361	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	-0.308231337	13	-0.159524872	0.762789645	0.807659625	FALSE							
			WT;Tbx1+/flox	9	162.8064708	49.74066212	0.878647793	0.15195339	0.683790257	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	-1.879743998	14	-0.947301933	0.081116514	0.182512156	FALSE							

Figure	Measurement	Month	Time (min)	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Repeated Measures ANOVA					Student t test								
								Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Type III Sum of Squares	df	Mean Square	F	Sig.	Sample1	Sample2	Statistic	dof	cohens_d	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure 8D	Total Distance (cm)	2	5	oTbx1+/+	20	582.5324674	39.81366145	0.961805113	0.580510261	0.964595553	FALSE	2.027577552	1	28	0.165516111	0.496548332	FALSE	Within Subjects					oTbx1+/-	oTbx1+/+	-0.200159227	28	-0.077521335	0.842802741	0.9640554	FALSE
				oTbx1+/-	10	565.9321735	87.02480436	0.952194518	0.694501499	0.964595553	FALSE							Time	Greenhouse-Geisser	1995853.076	3.660164031	545290.6098	26.86051187	1.71481E-14						
			10	oTbx1+/+	20	465.0152343	28.92161572	0.976249885	0.877119898	0.964595553	FALSE	3.110488944	1	28	0.088700281	0.496548332	FALSE	Time * Genotype					oTbx1+/-	oTbx1+/+	0.243505064	28	0.094309106	0.809389409	0.9640554	FALSE
				oTbx1+/-	10	478.4165818	52.4441209	0.848827274	0.056251555	0.675018657	FALSE							Error(Time)	Greenhouse-Geisser	2080522.01	102.4845929	20300.82719								
			15	oTbx1+/+	20	361.7175911	28.74548525	0.979861932	0.932306056	0.964595553	FALSE	0.864912718	1	28	0.360316817	0.530231581	FALSE	Between Subjects					oTbx1+/-	oTbx1+/+	0.892772198	28	0.345769186	0.379588252	0.9640554	FALSE
				oTbx1+/-	10	409.8879946	50.49069356	0.979893494	0.964595553	0.964595553	FALSE							Intercept		23339048.01	1	23339048.01	306.4591211	1.2929E-16						
			20	oTbx1+/+	20	348.215865	27.97211407	0.978671917	0.915818525	0.964595553	FALSE	0.608602693	1	28	0.441859651	0.530231581	FALSE	Genotype					oTbx1+/-	oTbx1+/+	-0.897736865	28	-0.347691993	0.376980718	0.9640554	FALSE
				oTbx1+/-	10	300.6010342	50.30866599	0.93172014	0.465023493	0.964595553	FALSE							Error		2132399.721	28	76157.13288								
			25	oTbx1+/+	20	299.1055367	24.94704284	0.974019572	0.836412834	0.964595553	FALSE	0.876820379	1	28	0.357080786	0.530231581	FALSE	oTbx1+/-					oTbx1+/-	oTbx1+/+	-0.703264717	28	-0.272373254	0.487697769	0.9640554	FALSE
				oTbx1+/-	10	264.0208722	50.34200893	0.938023496	0.531237334	0.964595553	FALSE																			
			30	oTbx1+/+	20	255.362162	39.42744784	0.949277247	0.356252313	0.964595553	FALSE	0.036907756	1	28	0.849039501	0.849039501	FALSE	oTbx1+/-					oTbx1+/-	oTbx1+/+	-0.045470044	28	-0.017610472	0.9640554	0.9640554	FALSE
				oTbx1+/-	10	252.3293176	51.6114029	0.940717398	0.56102342	0.964595553	FALSE																			

Measurement	Month	Time (min)	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Repeated Measures ANOVA					Student t test												
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Type III Sum of Squares	df	Mean Square	F	Sig.	Sample1	Sample2	Statistic	dof	cohens_d	p_value	p_adj(FDR BH)	Rejects(FDR 5%)				
Total Distance (cm)	2	5	PdgfraCre;Tbx1+/+	8	675.3377481	67.21069573	0.960970017	0.819288618	0.90097253	FALSE	0.513944781	2	17	0.60713361	0.845882843	FALSE	Within subjects					PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	2.318778914	12	1.25228374	0.038853127	0.145180864	FALSE				
			WT;Tbx1+/+	6	576.9360505	60.27675931	0.947046048	0.716310322	0.90097253	FALSE							Time	Sphericity Assumed	1366149.157	5	273229.8314	19.2608065	9.05321E-13	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	1.049097419	12	0.566577362	0.314803416	0.404747249	FALSE		
			WT;Tbx1+/flox	6	464.38851	54.01971119	0.932193779	0.597146871	0.90097253	FALSE							Time * Genotype	Sphericity Assumed	56104.56039	10	5610.456039	0.395498206	0.94529822	WT;Tbx1+/flox	WT;Tbx1+/+	-1.390491666	10	-0.802800737	0.194547247	0.291820871	FALSE		
		10	PdgfraCre;Tbx1+/+	8	563.3077705	39.36525666	0.91827703	0.416039464	0.90097253	FALSE	0.142545825	2	17	0.86817344	0.86817344	FALSE	Error(Time)					PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	3.212491801	12	1.734943863	0.007457649	0.134237677	FALSE				
			WT;Tbx1+/+	6	423.8291928	36.86712279	0.939986406	0.659089302	0.90097253	FALSE							Between subjects	Sphericity Assumed	1205792.482	85	14185.7939												
			WT;Tbx1+/flox	6	375.1445608	42.57179879	0.896122527	0.351518024	0.90097253	FALSE							Intercept		16804988	1	16804988	552.5624347	2.10342E-14	PdgfraCre;Tbx1+/+	WT;Tbx1+/+	2.504995321	12	1.352852094	0.027660714	0.145180864	FALSE		
		15	PdgfraCre;Tbx1+/+	8	412.9964819	53.1536322	0.970729632	0.903671601	0.903671601	FALSE	1.538099909	2	17	0.243233282	0.518147214	FALSE	Genotype					WT;Tbx1+/flox	WT;Tbx1+/+	-0.864483291	10	-0.499109661	0.407581081	0.489097297	FALSE				
			WT;Tbx1+/+	6	384.9906002	24.8709437	0.960076551	0.820330406	0.90097253	FALSE							Error		579823.9342	2	289911.9671	9.532554405	0.001673302	PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.951155687	12	1.053744506	0.074776993	0.154898089	FALSE		
			WT;Tbx1+/flox	6	270.0727277	45.65896481	0.885730035	0.296415795	0.90097253	FALSE									517018.1288	17	30412.83111												
		20	PdgfraCre;Tbx1+/+	8	383.3626534	47.27633929	0.962488762	0.833447547	0.90097253	FALSE	0.356989008	2	17	0.704902369	0.845882843	FALSE	WT;Tbx1+/flox					PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.870093843	12	1.009966107	0.086054494	0.154898089	FALSE				
			WT;Tbx1+/+	6	392.8098267	35.00674422	0.93743225	0.638585233	0.90097253	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	-0.150587648	12	-0.081326625	0.882802665	0.882802665	FALSE									
			WT;Tbx1+/flox	6	256.7595188	45.97104537	0.889647485	0.316344886	0.90097253	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	-2.354527304	10	-1.359386973	0.040328018	0.145180864	FALSE									
		25	PdgfraCre;Tbx1+/+	8	364.6078814	41.60013821	0.951382549	0.72516182	0.90097253	FALSE	1.850493244	2	17	0.187452819	0.518147214	FALSE	PdgfraCre;Tbx1+/+					PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	2.664033886	12	1.438742736	0.02063703	0.145180864	FALSE				
			WT;Tbx1+/+	6	296.9929018	29.92382991	0.964127822	0.8509185	0.90097253	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	1.232745856	12	0.665758853	0.241276061	0.334074546	FALSE									
			WT;Tbx1+/flox	6	213.881712	34.05386391	0.910326291	0.438546447	0.90097253	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	-1.833339471	10	-1.058479037	0.096646438	0.158148716	FALSE									
		30	PdgfraCre;Tbx1+/+	8	325.6745739	75.49961398	0.953377125	0.745179396	0.90097253	FALSE	1.463867976	2	17	0.259073607	0.518147214	FALSE	PdgfraCre;Tbx1+/+					PdgfraCre;Tbx1+/+	WT;Tbx1+/flox	1.942251174	12	1.048935519	0.075945879	0.154898089	FALSE				
			WT;Tbx1+/+	6	277.1861365	55.16889694	0.929847805	0.578927051	0.90097253	FALSE							PdgfraCre;Tbx1+/+	WT;Tbx1+/+	0.485421275	12	0.262157451	0.636119338	0.715634256	FALSE									
			WT;Tbx1+/flox	6	139.7883048	43.83595818	0.905323563	0.40635214	0.90097253	FALSE							WT;Tbx1+/flox	WT;Tbx1+/+	-1.949896567	10	-1.125773308	0.079761998	0.154898089	FALSE									

Figure	Measurement	Genotype	# of Samples	Average	s.e.m	Shapiro-Wilk test		Levene test			Linear Mixed Model				Fisher's r-to-Z transformation								
						Statistic	p_value	Statistic	df1	df2	p_value	factor	F	df1	df2	p_value	Measurement	N	Pearson's r	p_value (correlation)	Z transformed correlation	Z statistic	p_value (Z statistic)
Figure 9B	g-ratio	oTbx1+/-	4423	0.742132168	0.001178885	0.983206272	1.62E-22	1.670711318	1	6738	0.196207608	Genotype	0.055858571	1	6736	0.813172794	g-ratio vs Axon Diameter (oTbx1+/-)	4423	0.626809	0.00E+00	0.736142587	-1.466330096	0.14255838
		oTbx1+/-	2317	0.736721572	0.001594201	0.98563242	1.56E-14					Axon Diameter	4117.938128	1	6736	0	g-ratio vs Axon Diameter (oTbx1+/-)	2317	0.649115	2.53E-277	0.773767499		
												Genotype:Axon Diameter	1.497334759	1	6736	0.22112471							

Figure	Measurement	Axon Diameter	Genotype	# of samples	Average	s.e.m	Shapiro-Wilk test				Levene test				LMM (setting session id as random effect)					LMM (setting both mouse id and session id as random effects)					Mann-Whitney U test					Mann-Whitney U test (300-1400nm)												
							statistic	p_value	p_adj(FDR BH)	Rejects (FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects (FDR 5%)	Source	F	df1	df2	Sig.	Source	F	df1	df2	Sig.	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects (FDR 5%)	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects (FDR 5%)						
Figure 9C	Axon Number	200 oTbx1+/+	oTbx1+/-	145	0.131034483	0.035632184	0.341078043	8.80283E-23	5.47732E-22	TRUE	0.036618062	1	210	0.848429647	0.961107197	FALSE	Corrected Model	133.9074722	55	5880	0	Corrected Model	133.7784885	55	5880	0	4856	-0.000248086	0.996365794	0.996365794	FALSE	4856	-0.000248086	0.996365794	0.996365794	FALSE						
		300 oTbx1+/+	oTbx1+/-	67	0.119402985	0.045226142	0.358457863	1.42881E-15	3.63697E-15	TRUE	8.05053552	1	210	0.004994777	0.139853743	FALSE	genotype	7.655858881	1	5880	0.005676512	genotype	0.561757486	1	5880	0.453582974																
		400 oTbx1+/+	oTbx1+/-	145	0.662068966	0.111254037	0.56666255	6.46568E-19	2.78522E-18	TRUE	0.146243949	1	210	0.70253768	0.961107197	FALSE	binned_Axon_Diameter	246.5223833	27	5880	0	binned_Axon_Diameter	246.5223833	27	5880	0	3574.5	-0.212196465	0.00037454	0.00524356	TRUE	3574.5	-0.212196465	0.00037454	0.00224724	TRUE						
		500 oTbx1+/+	oTbx1+/-	67	1.313432836	0.207512627	0.771918416	7.85361E-09	1.25658E-08	TRUE	0.171565279	1	210	0.679147179	0.961107197	FALSE	genotype * binned_Axon_Diameter	6.336275377	27	5880	0	genotype * binned_Axon_Diameter	6.336275377	27	5880	0	2713	-0.354680685	1.48147E-07	4.14811E-06	TRUE	2713	-0.354680685	1.48147E-07	1.77776E-06	TRUE						
		600 oTbx1+/+	oTbx1+/-	145	3.04137931	0.201497236	0.927050591	9.02246E-07	1.29553E-06	TRUE	0.212196465	1	210	0.20833013	0.729155453	FALSE																										
		700 oTbx1+/+	oTbx1+/-	67	4.253731343	0.309171785	0.915763259	0.000238829	0.000278634	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		800 oTbx1+/+	oTbx1+/-	145	4.020689655	0.224134984	0.938970745	6.20047E-06	8.26729E-06	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		900 oTbx1+/+	oTbx1+/-	67	5.059701493	0.405123562	0.891388595	2.6243E-05	3.26579E-05	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1000 oTbx1+/+	oTbx1+/-	145	3.806896552	0.19605705	0.943566203	1.3749E-05	1.79057E-05	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1100 oTbx1+/+	oTbx1+/-	67	4.865671642	0.359591407	0.8657092669	3.69424E-06	5.04579E-06	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1200 oTbx1+/+	oTbx1+/-	145	3.593103448	0.177654081	0.944682121	1.67654E-05	2.13378E-05	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1300 oTbx1+/+	oTbx1+/-	67	3.220689655	0.160658656	0.954623818	0.000107914	0.00128578	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1400 oTbx1+/+	oTbx1+/-	145	3.014925373	0.261758774	0.920220673	0.000369011	0.000421727	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1500 oTbx1+/+	oTbx1+/-	67	2.432835821	0.207528892	0.935009897	3.20007E-06	4.4801E-06	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1600 oTbx1+/+	oTbx1+/-	145	1.972413793	0.103086853	0.925580502	7.20232E-07	1.09008E-06	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1700 oTbx1+/+	oTbx1+/-	67	1.880597015	0.19667336	0.894105256	3.31308E-05	4.03331E-05	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1800 oTbx1+/+	oTbx1+/-	145	1.448275862	0.097345533	0.886540353	3.87729E-09	6.38613E-09	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		1900 oTbx1+/+	oTbx1+/-	67	0.970149254	0.114467183	0.829086244	2.4814E-07	3.85995E-07	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2000 oTbx1+/+	oTbx1+/-	145	1.144827586	0.093351451	0.832913399	1.46897E-11	2.65362E-11	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2100 oTbx1+/+	oTbx1+/-	67	1.029850746	0.112474228	0.847671866	8.85128E-07	1.29553E-06	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2200 oTbx1+/+	oTbx1+/-	145	0.910344828	0.080656574	0.778914571	1.6278E-13	3.37617E-13	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2300 oTbx1+/+	oTbx1+/-	67	0.656716418	0.113638558	0.720096111	5.37756E-10	9.12555E-10	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2400 oTbx1+/+	oTbx1+/-	145	0.537931034	0.067820962	0.664089799	9.36116E-17	2.66433E-16	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2500 oTbx1+/+	oTbx1+/-	67	0.47761194	0.104961083	0.599906087	3.1492E-12	6.08121E-12	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2600 oTbx1+/+	oTbx1+/-	145	0.372413793	0.050802777	0.625598192	1.17036E-17	3.8677E-17	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2700 oTbx1+/+	oTbx1+/-	67	0.373134328	0.070006205	0.64398396	1.80164E-11	3.15287E-11	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2800 oTbx1+/+	oTbx1+/-	145	0.317241379	0.042326328	0.607726872	4.70168E-18	1.7553E-17	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		2900 oTbx1+/+	oTbx1+/-	67	0.343283582	0.072283423	0.60768044	4.24081E-12	7.91618E-12	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		3000 oTbx1+/+	oTbx1+/-	145	0.262068966	0.045926697	0.525665522	1.0219E-19	4.76887E-19	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		3100 oTbx1+/+	oTbx1+/-	67	0.164179104	0.050313423	0.439795375	1.44797E-14	3.24346E-14	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		3200 oTbx1+/+	oTbx1+/-	145	0.124137931	0.029169144	0.382323027	3.6823E-22	2.06209E-21	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		3300 oTbx1+/+	oTbx1+/-	67	0.179104478	0.05176825	0.462751687	2.90876E-14	6.26502E-14	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		3400 oTbx1+/+	oTbx1+/-	145	0.151724138	0.032944622	0.41921103	1.4113E-21	7.1848E-21	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		3500 oTbx1+/+	oTbx1+/-	67	0.134328358	0.041974785	0.403025091	4.94005E-15	1.15268E-14	TRUE	0.2212196465	1	210	0.20833013	0.729155453	FALSE																										
		3600 oTbx1+/+	oTbx1+/-	145	0.096551724	0.026486709	0.326505065	5.39777E-23	3.77844E-22	TRUE	0.2212196465	1	210	0.																												

Figure	Chi squared test				Kolmogorov-Smirnov test	
	# of samples	Statistic	dof	p_value	Distance	p_value
Figure 9D	6740	109.7085231	27	6.22E-12	0.108947998	3.59E-16

Figure	Measurement	PND	Genotype	# of Samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Mann-Witney U test							
							Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Figure S1	Weight	P8	oTbx1+/+	27	4.6	0.125064086	0.922948078	0.046515575	0.186062298	FALSE	0.639894198	1	36	0.428996273	0.428996273	FALSE	oTbx1+/+	oTbx1+/-	140	0.044382036	0.799797921	0.91732983	FALSE
			oTbx1+/-	11	4.454545455	0.237931861	0.980904629	0.970981671	0.970981671	FALSE							oTbx1+/+	oTbx1+/-	153	0.115996334	0.465855659	0.91732983	FALSE
		P12	oTbx1+/+	30	6.54	0.155482194	0.986169448	0.955380174	0.970981671	FALSE	1.973777187	1	40	0.167766267	0.428996273	FALSE	oTbx1+/+	oTbx1+/-	135.5	-0.067878408	0.703523286	0.91732983	FALSE
			oTbx1+/-	12	6.225	0.351861931	0.915390828	0.249993706	0.499987413	FALSE							oTbx1+/+	oTbx1+/-	102	0.022769128	0.91732983	0.91732983	FALSE
		1M	oTbx1+/+	27	16.15925926	0.252241194	0.863150358	0.002121269	0.016970151	TRUE	0.856989714	1	36	0.360747027	0.428996273	FALSE	oTbx1+/+	oTbx1+/-	102	0.022769128	0.91732983	0.91732983	FALSE
			oTbx1+/-	11	16.37272727	0.447232075	0.942333972	0.548313562	0.80806296	FALSE							oTbx1+/+	oTbx1+/-	102	0.022769128	0.91732983	0.91732983	FALSE
		2M	oTbx1+/+	21	23.78571429	0.385837723	0.943028092	0.24996769	0.499987413	FALSE	1.523319488	1	29	0.227026429	0.428996273	FALSE	oTbx1+/+	oTbx1+/-	102	0.022769128	0.91732983	0.91732983	FALSE
			oTbx1+/-	10	23.53	0.736515822	0.94467026	0.60604722	0.80806296	FALSE							oTbx1+/+	oTbx1+/-	102	0.022769128	0.91732983	0.91732983	FALSE

Measurement	PND	Genotype	# of Samples	Average	s.e.m	Shapiro-Wilk test				Levene test					Mann-Witney U test							
						Statistic	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Statistic	df1	df2	p_value	p_adj(FDR BH)	Rejects(FDR 5%)	Sample1	Sample2	Statistic	R (Z score)	p_value	p_adj(FDR BH)	Rejects(FDR 5%)
Weight	P8	PdgfraCre;WT	8	4.35	0.205287255	0.866045239	0.137839188	0.413517564	FALSE	0.127476314	2	24	0.880906332	0.880906332	FALSE	PdgfraCre;WT	WT;Tbx1+/flox	18	-0.367573522	0.160528361	0.872562731	FALSE
		WT;Tbx1+/flox	8	4.7375	0.203485257	0.753919531	0.009024632	0.054147793	FALSE							PdgfraCre;WT	WT;WT	29.5	-0.274679021	0.272287052	0.872562731	FALSE
		WT;WT	11	4.681818182	0.225153758	0.91199385	0.257472583	0.617934199	FALSE							WT;Tbx1+/flox	WT;WT	40.5	-0.066301833	0.840385277	1	FALSE
	P12	PdgfraCre;WT	9	6.477777778	0.227777778	0.921953577	0.408659184	0.700558602	FALSE	1.743649374	2	27	0.194001478	0.776005912	FALSE	PdgfraCre;WT	WT;Tbx1+/flox	30.5	-0.20813018	0.436281366	0.872562731	FALSE
		WT;Tbx1+/flox	9	6.788888889	0.217590623	0.947010301	0.657291765	0.876389021	FALSE							PdgfraCre;WT	WT;WT	52.5	0.023262105	0.97227231	1	FALSE
		WT;WT	12	6.4	0.31454633	0.994973684	0.999999306	0.999999306	FALSE							WT;Tbx1+/flox	WT;WT	42	0.186096842	0.422107304	0.872562731	FALSE
	1M	PdgfraCre;WT	8	16.3625	0.287189273	0.934767327	0.560437988	0.840656982	FALSE	0.176982173	2	24	0.838878203	0.880906332	FALSE	PdgfraCre;WT	WT;Tbx1+/flox	31	0.116690007	0.672974085	1	FALSE
		WT;Tbx1+/flox	9	15.78888889	0.590537525	0.763341553	0.007737799	0.054147793	FALSE							PdgfraCre;WT	WT;WT	40	0	1	1	FALSE
		WT;WT	10	16.33	0.381240665	0.925384317	0.404055022	0.700558602	FALSE							WT;Tbx1+/flox	WT;WT	42	-0.056195149	0.842105263	1	FALSE
	2M	PdgfraCre;WT	8	24.3875	0.578309575	0.794950867	0.025269633	0.101078534	FALSE	0.889390233	2	18	0.428210148	0.856420296	FALSE	PdgfraCre;WT	WT;Tbx1+/flox	26	0.05976143	0.866511267	1	FALSE
		WT;Tbx1+/flox	7	23.91428571	0.525279323	0.958737507	0.807832827	0.969399392	FALSE							PdgfraCre;WT	WT;WT	14.5	0.327781141	0.282384282	0.872562731	FALSE
		WT;WT	6	22.83333333	0.889818958	0.974279891	0.919850787	0.999999306	FALSE							WT;Tbx1+/flox	WT;WT	14	0.277350098	0.365967366	0.872562731	FALSE

*including P11 and P13

**At the beginning of the behavioral battery (RSI) at each age

Figure	Measurement	Genotype	# of Samples	Average	s.e.m	Shapiro-Wilk test		Levene test				Linear Mixed Model				Measurement	Fisher's r-to-Z transformation						
						Statistic	p_value	Statistic	df1	df2	p_value	factor	F	df1	df2		p_value	N	Pearson's r	p_value (correlation)	Z transformed correlation	Z statistic	p_value (Z statistic)
Figure S2	myelin thickness (nm)	oTbx1+/+	4423	298.4267488	1.598178651	0.883548319	0.00E+00	18.9486008	1	6738	1.36273E-05	Genotype	0.007407354	1	6736	0.931416522	myelin thickness vs Axon Diameter (oTbx1+/+)	4423	0.309679	6.35E-99	0.320189803	-2.190862775	0.028461724
		oTbx1+/-	2317	281.3171899	1.943145919	0.89264971	1.85E-37					Axon Diameter	755.8280666	1	6736	0	myelin thickness vs Axon Diameter (oTbx1+/-)	2317	0.359582	1.15E-71	0.376405671		
											Genotype:Axon Diameter	0.05543768	1	6736	0.813865028								