



Fig. S1. Stiffness in ventral flexion of a single vertebra compared with craniad and caudad two-vertebra joint complexes (Specimen 7). Normalized moment was plotted against deflection angle in degrees, and stiffness was defined as the slope of the best-fit linear regression (β).

Table S1. Correlations between morphometric measurements

	PZA	TPAD	TPAC	NSA	NSL	CL	NSH	CW	CH	PZW	IZD	TPW	TPLT	LW
PZA	-													
TPAD	.562**	-												
TPAC	-.554**	-.496**	-											
NSA	-.434**	-.665**	.328**	-										
NSL	.519**	.504**	-.577**	-.569**	-									
CL	.491**	.555**	-.523**	-.575**	.778**	-								
NSH	-.368**	-.460**	.459**	.664**	-.685**	-.604**	-							
CW	-.151	.060	.205*	.190*	-.426**	-.491**	.539**	-						
CH	.208*	.280**	-.142	-.171	.137	.188*	.112	.221*	-					
PZW	.631**	.484**	-.316**	-.454**	.564**	.482**	-.352**	-.234**	.382**	-				
IZD	.618**	.474**	-.556**	-.526**	.687**	.684**	-.427**	-.280**	.451**	.676**	-			
TPW	.377**	.450**	-.397**	-.417**	.720**	.702**	-.576**	-.494**	-.122	.414**	.388**	-		
TPLT	-.119	.093	.161	-.147	.333**	.354**	-.339**	-.305**	-.333**	.024	-.053	.688**	-	
LW	.526**	.207*	-.306**	-.148	.411**	.255**	-.280**	-.266**	.186*	.778**	.471**	.240**	-.095	-

Pearson correlations (2-tailed). *Correlation is significant at the 0.05 level, **at the 0.01 level. See text for abbreviations.

Table S2. Stepwise linear regression with all morphometric measurements

Direction	Model	Factor	Unstandardized Coefficients		Standardized Coefficients		Collinearity Statistics		
			B	S.E.	Beta	t	P	Tolerance	VIF
Dorsal extension	1	(Constant)	-5.692	.398		-14.315	.000		
		PZW	.112	.022	.599	5.180	.000	1.000	1.000
	2	(Constant)	-6.892	.529		-13.031	.000		
		PZW	.122	.020	.650	6.048	.000	.977	1.024
		CW	.080	.026	.337	3.138	.003	.977	1.024
Lateral flexion	1	(Constant)	-5.360	.310		-17.295	.000		
		TPAD	.009	.002	.595	4.851	.000	1.000	1.000
	2	(Constant)	-9.160	1.068		-8.578	.000		
		TPAD	.014	.002	.945	6.570	.000	.562	1.778
		TPAC	.016	.004	.529	3.681	.001	.562	1.778
	3	(Constant)	-10.105	.986		-10.247	.000		
		PZW	.080	.023	.388	3.498	.001	.748	1.338
		TPAD	.011	.002	.748	5.363	.000	.471	2.122
		TPAC	.016	.004	.527	4.123	.000	.562	1.778
Ventral flexion	1	(Constant)	-1.759	.440		-3.993	.000		
		NSA	-.020	.005	-.528	-4.352	.000	1.000	1.000
	2	(Constant)	-1.798	.411		-4.372	.000		
		NSA	-.030	.006	-.796	-5.430	.000	.596	1.677
		NSH	.076	.026	.422	2.878	.006	.596	1.677

Stepwise linear regression with all morphometrics as independent variables and normalized stiffness as the dependent variable.

Some factors show potential problems with multicollinearity (bold) with tolerances less than 0.6 and variable inflation factors close to 1.

Table S3. Principal components of morphological variation between vertebrae

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PZA	.487	.259	.328	-.103	.059	.081	.749	-.010	.045	.049	.035	.030	.026	.008
TPAD	.199	.753	.262	.050	-.103	.146	.323	-.137	.035	-.003	.397	.034	.085	.004
TPAC	-.130	-.173	-.937	.049	-.100	-.018	-.175	.146	-.088	-.041	-.028	-.026	-.021	-.001
NSA	-.131	-.941	-.110	-.102	-.084	-.123	-.047	.159	-.087	-.070	.111	-.020	.003	-.013
NSL	.359	.265	.430	.363	.212	.128	.071	-.227	.593	.099	.011	.046	.051	.008
CL	.270	.390	.390	.295	.458	.207	.174	-.179	.207	.163	.101	.029	.375	.002
CW	-.071	-.003	-.113	-.334	-.910	.138	-.018	.131	-.059	-.033	.022	-.025	-.007	-.003
NSH	-.086	-.451	-.285	-.269	-.255	.100	-.016	.738	-.118	-.013	-.026	-.018	-.029	.004
CH	.209	.141	.025	-.177	-.121	.939	.045	.049	.035	.040	.017	-.001	.017	.005
PZW	.824	.294	.079	.124	.069	.301	.185	.029	.085	.090	.017	.059	.011	.251
IZD	.456	.324	.434	.031	.234	.388	.146	-.033	.197	.474	-.004	.024	.076	.016
TPW	.298	.231	.392	.620	.326	-.014	.166	-.095	.151	.042	.035	.387	.027	.017
TPLT	.042	.068	-.123	.907	.282	-.201	-.110	-.133	.066	-.001	-.002	-.046	.021	.001
LW	.959	.037	.130	.075	.060	.071	.127	-.094	.069	.011	.022	.004	.030	-.131

Rotated principal component matrix; rotation method: Varimax with Kaiser Normalization.

Numbers 1-14 represent principal components ordered by the amount of morphological variation for which each accounts. Each component is related to the morphometric measurements to a greater or lesser extent; e.g. lamina width (LW) is heavily weighted in component 1.

Measurements identified for use in subsequent analyses shown in bold. See text for abbreviations.

Table S4. Repeatability of stiffness measurements across three trials

Type III				
Sum of Squares				
	Mean	F	P	
Trial (2)	Square			
	0.342	11.807	0.0000	
Pairwise Comparisons				
Trial	Mean	S.E.	P ^b	
1	Difference			
	2	-0.073	.021	0.0030
	3	-0.121	.029	0.0000
2	1	0.073	.021	0.0030
	3	-0.048	.025	0.2060
3	1	0.121	.029	0.0000
	2	0.048	.025	0.2060

Within-subject effects from repeated-measures ANOVA of normalized, log-transformed stiffness over multiple trials.

Sample size for each group was 45.

b. Adjustment for multiple comparisons: Bonferroni.

Test of sphericity: $p=0.127$

Table S5. Non-normalized moments and angular deflections from Trial 1 for all specimens

Specimen 1, Trial 1

		T1-2		T3-4		T5-6		T7-8		T9-10		L1-2		L3-4		L5-S1	
		Moment (Nm)	Angle (degrees)	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle
Dorsal extension	0.00226	1.66639	0.00361	2.70005	0.00355	1.10839	0.00359	2.32660	0.00347	1.17267	0.00340	2.05853	0.00339	1.40126	0.00438	1.45123	
	0.00456	2.86788	0.00724	2.84347	0.00713	2.23450	0.00712	3.05819	0.00700	2.49443	0.00679	2.91592	0.00677	2.38866	0.00879	2.26187	
	0.01133	4.59390	0.01817	5.71770	0.01781	3.89872	0.01068	4.18402	0.01045	3.31809	0.01010	3.56098	0.01015	3.15634	0.01323	2.85816	
	0.01581	5.43407	0.03657	5.46593	0.03541	6.02557	0.01422	4.40080	0.01383	4.00829	0.01354	4.31850	0.01355	3.59052	0.01763	3.21180	
	0.02261	6.31104	0.05422	7.53204	0.05326	6.74586	0.01777	5.05877	0.01727	4.53183	0.01684	4.82799	0.01685	4.12025	0.02203	3.70548	
	0.03404	7.63390	0.07307	7.67599	0.07056	8.18528	0.02482	6.23429	0.02425	5.28076	0.02357	5.08854	0.02350	4.76556	0.03080	4.32470	
	0.04559	7.41159	0.10875	8.53220	0.10519	8.52506	0.03546	6.81199	0.03473	6.29409	0.03355	5.55496	0.03350	5.69508	0.04410	4.75912	
	0.07153	7.96408	0.17977	9.70380	0.17595	9.32151	0.05313	7.82271	0.05183	7.65805	0.05090	6.55108	0.05071	6.23269	0.06586	5.37496	
	0.09599	7.55208	0.25094	10.79467	0.24423	10.90551	0.07098	8.39571	0.06910	8.27864	0.06740	7.26351	0.06732	6.94323	0.08714	5.79688	
	0.11983	7.78504					0.10624	8.94459	0.10368	9.45485	0.10189	8.40728	0.10073	7.57846	0.13046	6.28333	
0.16974	8.05152					0.17489	10.21710	0.16935	10.35034	0.16585	9.09754	0.16730	9.64640	0.21641	7.07648		
						0.24280	11.15439			0.22577	9.85460	0.23118	9.82777	0.29827	7.79656		
Mediolateral flexion	0.00209	3.47330	0.00358	2.84631	0.00353	1.70473	0.00359	2.32689	0.00353	1.43586	0.00354	2.44974	0.00337	0.93610	0.00434	0.89251	
	0.00413	4.44798	0.00713	4.63583	0.00704	3.40108	0.00700	3.44997	0.00707	2.68282	0.00701	3.39481	0.00672	1.91150	0.00870	1.24327	
	0.01041	5.99583	0.01785	6.63282	0.01773	5.05531	0.01749	5.39323	0.01764	3.89942	0.01759	5.35855	0.01687	3.14657	0.02169	2.13989	
	0.01456	7.41617	0.03541	7.70020	0.03535	7.56308	0.03484	6.28167	0.03526	5.62377	0.03507	7.21751	0.03359	4.35139	0.04334	2.82374	
	0.02069	8.22180	0.05306	8.84471	0.05346	8.43792	0.05222	7.90450	0.05245	6.25367	0.05259	8.52232	0.05091	5.25171	0.06502	3.12587	
	0.03105	9.66893	0.07042	9.83060	0.07021	9.64503	0.06998	8.63681	0.06958	7.43374	0.06952	8.61966	0.06757	5.48992	0.08676	3.62952	
	0.04147	10.16280	0.10472	10.68785	0.10544	11.13361	0.10394	9.99544	0.10404	8.29951	0.10344	9.68189	0.10112	6.79142	0.12903	4.98370	
	0.06184	12.08452	0.17313	12.11344	0.17380	12.54804	0.17557	11.79578	0.17072	9.99994	0.16992	11.62940	0.16724	8.25248	0.21409	5.93563	
	0.08235	12.46242	0.23752	13.38941	0.24030	13.91557	0.24292	12.72471	0.23506	11.22594	0.22504	13.34244	0.23269	9.14093	0.29777	7.02021	
	0.10204	13.07170															
0.14037	14.17912																
Ventral flexion			0.00357	2.07409	0.00343	0.83683	0.00363	1.37184	0.00350	0.76075	0.00351	1.65604	0.00348	1.01003	0.00460	0.67027	
			0.00723	3.36457	0.00683	1.49517	0.00729	2.58482	0.00702	1.54375	0.00701	2.48291	0.00698	1.52223	0.00920	1.23121	
			0.01770	4.47795	0.01700	2.74455	0.01082	2.96540	0.01058	2.36896	0.01044	2.82395	0.01038	2.15905	0.01380	2.26647	
			0.03529	5.56644	0.03414	3.73228	0.01443	3.59771	0.01406	2.88430	0.01396	3.77954	0.01380	3.02321	0.01840	2.31047	
			0.05214	6.27060	0.05093	4.24467	0.01804	4.11619	0.01754	2.96625	0.01745	4.08330	0.01727	3.61290	0.02294	2.91604	
			0.06931	6.25237	0.06743	4.83408	0.02558	4.77243	0.02461	3.69951	0.02439	5.07180	0.02418	3.96862	0.03211	3.49020	
			0.10404	7.15232	0.10275	4.96272	0.03555	5.15432	0.03545	4.11628	0.03478	5.42445	0.03439	4.37102	0.04568	4.21213	
			0.16979	8.16498	0.16979	5.56840	0.05367	5.98846	0.05340	5.03197	0.05223	6.22148	0.05161	5.38466	0.06800	4.68606	
			0.32461	10.10386	0.23685	6.87437	0.07122	6.92216	0.06989	5.11107	0.06970	6.98542	0.06845	5.71652	0.09068	5.49320	
							0.10530	7.08139	0.10493	5.82704	0.10464	7.57421	0.10251	6.25458	0.13498	5.87770	
						0.17477	7.98642	0.23868	6.47276	0.17635	8.25499	0.16982	6.88163	0.22214	6.67130		
						0.24101	9.21090			0.24008	8.91063	0.23377	8.09820	0.30876	6.89805		

Table S5 continued: Specimen 2, Trial 1

	T1-2		T3-4		T5-6		T7-8		T9-10		L1-2		L3-4		L5-S1	
	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle
Dorsal extension	0.00359	2.05857	0.00350	1.06274	0.00364	1.10563	0.00343	1.69811	0.00362	2.39082	0.00372	1.65480	0.00368	1.94509	0.00455	1.05978
	0.00716	3.20803	0.00703	1.84574	0.00728	1.81972	0.00684	2.58102	0.00723	3.52142	0.00740	2.84222	0.00737	2.54039	0.00915	1.55443
	0.01072	4.01979	0.01051	2.70767	0.01096	2.59105	0.01021	3.44165	0.01080	4.15155	0.01115	3.46122	0.01102	3.63127	0.01372	1.78260
	0.01434	4.01905	0.01401	3.29189	0.01455	2.89893	0.01357	3.85489	0.01441	4.48337	0.01485	3.63224	0.01467	4.04673	0.01834	2.05199
	0.01792	4.34644	0.01751	3.82240	0.01819	3.75668	0.01699	4.61265	0.01806	4.98721	0.01844	4.28175	0.01825	4.23238	0.02295	2.29331
	0.02504	4.64796	0.02440	4.15662	0.02544	4.67125	0.02375	5.24997	0.02516	5.35107	0.02587	4.75195	0.02556	5.05666	0.03209	2.87741
	0.03567	4.94775	0.03486	4.59951	0.03613	5.11391	0.03384	5.94378	0.03576	6.22957	0.03692	5.57958	0.03641	5.71041	0.04574	3.79502
	0.05333	5.54420	0.05213	5.23222	0.05404	5.84553	0.05052	6.49355	0.05356	6.53569	0.05513	6.05139	0.05414	6.31503	0.06828	4.82340
	0.07067	5.69256	0.06944	5.95221	0.07200	6.18475	0.06734	7.34560	0.07111	7.55775	0.07401	6.98641	0.07199	6.76423	0.09061	5.58238
	0.10569	6.26526	0.10386	6.21627	0.10739	6.81027	0.10134	7.98338	0.10646	7.60065	0.10997	7.60342	0.10789	6.99563	0.13557	6.30487
	0.17516	7.02412	0.17319	6.90907	0.17760	7.68096	0.16706	8.89111	0.17538	8.21994	0.18155	7.67953	0.17812	7.87964	0.22614	7.99487
	0.23946	7.60393	0.24036	7.55092	0.24347	8.29198	0.23179	9.21563	0.24205	8.87285	0.25271	8.32655	0.24599	8.58267	0.31278	9.01247
Mediolateral flexion	0.00343	3.50658	0.00340	2.82632	0.00357	2.68502	0.00375	3.62514	0.00366	3.87948	0.00379	3.38691	0.00365	2.49203	0.00435	1.54106
	0.00685	5.07696	0.00677	4.65485	0.00716	3.94383	0.00746	4.17763	0.00730	5.41927	0.00756	4.67181	0.00725	3.59785	0.00869	2.15750
	0.01358	6.93469	0.01347	5.90051	0.01427	5.03301	0.01504	5.67277	0.01454	6.80718	0.01515	5.89838	0.01446	4.48385	0.01723	2.95593
	0.01702	7.45843	0.01684	6.65416	0.01751	5.78300	0.01872	6.36872	0.01817	7.37292	0.01890	6.59771	0.01802	4.95743	0.02163	3.42980
	0.02371	7.87306	0.02348	7.38136	0.02453	6.43351	0.02620	7.19989	0.02545	8.20906	0.02636	7.35154	0.02520	5.57377	0.03028	3.89814
	0.03361	8.96683	0.03342	8.25456	0.03487	7.63336	0.03745	8.25650	0.03635	8.53640	0.03755	8.28030	0.03592	6.40846	0.04334	4.75030
	0.05003	9.45981	0.04988	9.57150	0.05196	8.01351	0.05582	9.47674	0.05404	9.99256	0.05635	9.40205	0.05363	7.60048	0.06482	5.57611
	0.06647	10.4217	0.06584	10.6764	0.06895	9.27564	0.07440	9.58219	0.07171	10.3241	0.07482	10.0165	0.07119	8.12098	0.08600	6.22489
	0.09822	11.7085	0.09791	11.6975	0.10352	10.0916	0.11112	11.0758	0.10679	11.5893	0.11123	10.9365	0.10558	9.02735	0.12783	7.40064
	0.16143	12.5065	0.16025	13.3916	0.17145	11.4856	0.18050	12.5810	0.17790	12.8340	0.18405	12.1386	0.17427	10.5625	0.20938	8.93235
	0.21796	13.9611	0.21839	15.0894	0.23545	12.7836	0.24785	14.1829	0.24625	14.2260	0.25181	13.2037	0.23990	11.6588	0.28712	10.4087
	Ventral flexion	0.00356	2.14495	0.00355	1.00856	0.00360	1.28823	0.00343	2.22486	0.00369	1.84698	0.00370	1.83062	0.00362	1.75522	0.00449
0.00712		3.86004	0.00708	2.31025	0.00718	2.68889	0.00686	3.55872	0.00737	2.70671	0.00739	3.14085	0.00724	2.75382	0.00901	2.60756
0.01069		4.96451	0.01060	3.05219	0.01074	3.14828	0.01026	3.99081	0.01108	3.49992	0.01106	3.52788	0.01088	3.54629	0.01343	3.42359
0.01427		5.47250	0.01417	3.41839	0.01432	3.49812	0.01370	4.56348	0.01473	3.98979	0.01479	4.15364	0.01450	4.05175	0.01788	4.01350
0.01789		5.99260	0.01777	3.61838	0.01789	4.01553	0.01716	4.79294	0.01841	4.61253	0.01849	4.46440	0.01808	4.84987	0.02233	4.60306
0.02498		6.72979	0.02483	4.34992	0.02508	4.11130	0.02403	5.23429	0.02578	4.83267	0.02601	4.62271	0.02531	4.90350	0.03118	5.03913
0.03561		7.20406	0.03554	4.87361	0.03581	4.46092	0.03422	5.27469	0.03684	5.37412	0.03717	5.09249	0.03623	5.61482	0.04449	5.55809
0.05339		7.93740	0.05333	5.07662	0.05340	4.77222	0.05108	5.50795	0.05484	5.51789	0.05534	5.44803	0.05426	6.16659	0.06684	6.15000
0.07103		7.98674	0.07067	5.26934	0.07119	4.93557	0.06806	6.10433	0.07337	6.39779	0.07336	6.08355	0.07204	6.46777	0.08844	6.98727
0.10596		8.56862	0.10592	5.62782	0.10633	5.11220	0.10161	6.22446	0.10926	6.45820	0.10956	6.25671	0.10748	6.69085	0.13181	7.29688
0.17483		8.95070	0.17452	6.27794	0.17536	5.99690	0.16827	6.82979	0.18010	7.11291	0.18262	7.21477	0.17761	7.57852	0.21877	7.87453
0.24311		9.48859	0.24092	6.63015	0.24541	6.33839	0.23113	7.53149	0.25068	7.62508	0.25050	7.56085	0.24542	7.95555	0.30103	9.28688

Table S5 continued: Specimen 3, Trial 1

	T1-2		T3-4		T5-6		T7-8		T9-10		L1-2		L3-4		L5-S1	
	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle
Dorsal extension	0.00372	1.15272	0.00380	0.68226	0.00376	0.76203	0.00393	1.19965	0.00386	1.24195	0.00367	0.45842	0.00394	0.78594	0.00490	0.55610
	0.00743	2.25173	0.00757	1.48959	0.00751	1.50759	0.00785	1.87052	0.00773	1.97074	0.00737	1.05978	0.00786	1.00995	0.00980	1.11484
	0.01114	3.01293	0.01134	1.94960	0.01125	2.09217	0.01178	2.46378	0.01159	2.25031	0.01105	1.44846	0.01178	1.30768	0.01470	1.50694
	0.01479	3.44689	0.01510	2.54020	0.01500	2.32542	0.01572	3.17101	0.01547	2.67170	0.01472	1.86631	0.01569	1.61531	0.01964	1.87089
	0.01851	3.91513	0.01885	2.94625	0.01878	2.74112	0.01971	3.39106	0.01934	2.93935	0.01832	1.72626	0.01959	1.84038	0.02453	2.06763
	0.02588	4.78715	0.02629	3.70469	0.02609	3.55021	0.02749	4.29784	0.02705	3.73233	0.02576	2.26793	0.02742	2.17402	0.03431	2.64473
	0.03687	5.17090	0.03751	4.61032	0.03737	4.58357	0.03933	5.22853	0.03850	4.78250	0.03662	2.85234	0.03909	2.92210	0.04880	2.87739
	0.05502	5.89923	0.05605	5.56358	0.05591	5.54453	0.05863	6.48645	0.05800	5.84621	0.05475	3.79158	0.05859	3.63764	0.07322	3.83675
	0.07357	6.17152	0.07457	6.13928	0.07443	6.30727	0.07791	7.40870	0.07706	6.69939	0.07261	4.64001	0.07807	4.91476	0.09722	4.61962
	0.10976	6.58922	0.11112	6.63916	0.11129	6.83755	0.11602	8.13748	0.11520	7.60343	0.10896	5.75628	0.11721	5.44902	0.14523	5.23692
	0.18155	7.03512	0.18350	7.54102	0.18262	7.78824	0.19254	8.92008	0.19130	8.35484	0.18091	6.82245	0.19356	6.46656	0.24008	5.94898
0.25150	7.34936	0.25246	7.97796	0.25340	8.25899	0.26609	9.87993	0.26546	8.98189	0.25016	7.80432	0.26960	7.22857	0.33148	6.80770	
Mediolateral flexion	0.00343	2.79711	0.00368	2.36601	0.00386	3.26195	0.00374	1.98234	0.00371	2.67858	0.00368	1.15851	0.00400	1.78538	0.00469	0.15363
	0.00688	3.97738	0.00736	3.38756	0.00772	4.42174	0.00750	3.32941	0.00736	3.63807	0.00732	2.42641	0.00802	2.28094	0.00934	0.67393
	0.01026	4.74534	0.01104	4.16133	0.01157	5.42850	0.01125	3.80039	0.01106	4.45128	0.01098	2.64019	0.01206	3.06465	0.01406	0.83087
	0.01370	5.53263	0.01467	4.74688	0.01547	5.72273	0.01496	4.32510	0.01465	4.74433	0.01472	3.20662	0.01608	3.78729	0.01870	1.14755
	0.01705	6.10622	0.01839	5.32878	0.01926	6.20212	0.01870	4.58736	0.01822	5.31253	0.01831	3.64897	0.02002	3.84280	0.02335	1.02533
	0.02403	6.95698	0.02565	5.73571	0.02694	6.80177	0.02616	5.29466	0.02545	5.76179	0.02563	4.21364	0.02811	4.30330	0.03280	1.49906
	0.03416	7.98191	0.03648	6.71308	0.03844	7.48620	0.03727	5.93861	0.03694	6.79865	0.03661	4.73915	0.04005	4.93348	0.04676	1.89776
	0.05150	9.10319	0.05464	7.96003	0.05776	8.41218	0.05582	6.65493	0.05527	7.52494	0.05509	5.19602	0.06008	5.81302	0.07014	2.48493
	0.06787	10.35529	0.07245	8.98608	0.07642	9.32753	0.07415	7.31927	0.07353	8.35202	0.07305	5.79130	0.07983	6.57093	0.09343	3.00026
	0.10100	11.57866	0.10814	10.11853	0.11393	10.25830	0.11051	8.31906	0.10822	9.32569	0.10895	6.59965	0.11976	7.33772	0.14003	3.77208
	0.16702	13.65610	0.17764	11.21972	0.18775	11.44143	0.18232	9.66025	0.17734	10.57762	0.18198	7.57135	0.19775	8.63471	0.23079	4.80735
0.22966	14.83833	0.24532	12.50647	0.26027	12.31938	0.25264	10.67855	0.24740	11.83084	0.24938	8.00170	0.27618	9.49521	0.32105	6.02132	
Ventral flexion	0.00365	0.99348	0.00377	1.11475	0.00375	0.92702	0.00389	1.07079	0.00394	1.30702	0.00366	0.91052	0.00399	1.56716	0.00480	1.15372
	0.00732	2.18155	0.00759	2.03475	0.00750	2.17778	0.00778	1.83220	0.00785	2.30044	0.00731	1.59848	0.00801	2.22848	0.00960	2.14708
	0.01096	2.97148	0.01136	2.65113	0.01123	3.28052	0.01170	2.51788	0.01173	3.11424	0.01101	2.42461	0.01197	3.12527	0.01433	2.66023
	0.01464	3.47061	0.01517	3.16722	0.01494	3.56245	0.01556	2.82244	0.01565	3.44592	0.01468	2.78694	0.01602	3.29765	0.01903	3.08034
	0.01830	4.14288	0.01894	3.39171	0.01862	3.99169	0.01937	2.94967	0.01961	3.93211	0.01827	3.26448	0.02002	3.92657	0.02386	3.05918
	0.02556	4.63376	0.02647	4.14415	0.02604	4.26970	0.02714	3.28947	0.02742	4.19924	0.02565	3.43180	0.02796	4.13611	0.03323	3.67789
	0.03631	5.29137	0.03784	4.27012	0.03710	4.65474	0.03861	3.71064	0.03914	4.73426	0.03665	4.09926	0.03976	4.69213	0.04742	3.86188
	0.05441	5.79678	0.05676	4.85299	0.05595	5.34420	0.05786	3.97392	0.05872	5.15474	0.05498	4.24193	0.05955	5.26796	0.07105	4.25442
	0.07267	5.96622	0.07581	5.10936	0.07415	5.43355	0.07706	4.22006	0.07770	5.28689	0.07311	4.55702	0.07974	5.53746	0.09464	4.52379
	0.10873	6.41612	0.11327	5.55261	0.11058	5.70764	0.11501	4.50216	0.11628	5.72506	0.10925	4.68063	0.11916	5.81591	0.14118	4.82241
	0.17834	6.87717	0.18764	6.08388	0.18309	6.58479	0.18982	5.03728	0.19297	6.26904	0.18122	5.27927	0.19433	6.57272	0.23327	5.30415
0.24508	7.42059	0.26125	6.59623	0.25376	7.12426	0.26286	5.45897	0.26518	6.73696	0.25137	5.82852	0.27357	6.90423	0.32328	5.57797	

Table S5 continued: Specimen 6, Trial 1

	T1-2		T3-4		T5-6		T7-8		T9-10		L1-2		L3-4		L5-S1	
	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle
Dorsal extension	0.00502	0.34790	0.00487	0.26422	0.00497	0.49870	0.00518	0.29178	0.00514	0.43758	0.00513	0.18934	0.00509	0.28629	0.00632	0.24006
	0.01002	0.96795	0.00974	0.59138	0.00995	0.70827	0.01035	0.58449	0.01027	0.73764	0.01026	0.30951	0.01014	0.62248	0.01263	0.29336
	0.02504	1.96508	0.01460	0.74620	0.01490	0.89307	0.01551	0.63767	0.01543	1.11897	0.01540	0.53341	0.01520	0.73624	0.01895	0.40601
	0.04992	3.27721	0.02426	1.11387	0.02482	1.39331	0.02579	1.25367	0.02566	1.77422	0.02566	0.99230	0.02528	1.08936	0.03150	0.71409
	0.09952	4.49104	0.03393	1.60019	0.03479	1.78724	0.03623	1.74302	0.03583	2.47456	0.03582	1.57880	0.03554	1.69855	0.04411	1.20666
	0.14801	4.86888	0.04854	2.18729	0.04970	2.22517	0.05170	2.62473	0.05125	2.98373	0.05117	2.03533	0.05056	2.47759	0.06304	1.68076
	0.24493	5.80504	0.09673	3.13709	0.09934	3.41023	0.10255	4.33069	0.10101	4.88385	0.10361	4.21873	0.10293	3.07151	0.13043	2.59582
	0.33976	6.45910	0.14452	3.75183	0.14827	4.47577	0.15278	5.08065	0.15061	5.89879	0.15453	5.23356	0.15343	4.37679	0.19443	3.50461
	0.47644	7.21717	0.23890	4.71378	0.24607	5.07624	0.25188	6.23894	0.24790	7.34322	0.25548	6.37720	0.25208	5.60734	0.32079	4.38831
			0.33224	5.53486	0.34130	5.91989	0.34796	6.91220	0.34168	8.15711	0.35297	7.44706	0.34845	6.45682	0.44293	5.25908
		0.46616	5.91125	0.47903	6.57038	0.47910	7.93349	0.47399	8.78978	0.49333	8.20514	0.48694	7.26268	0.61823	5.73070	
Mediolateral flexion	0.00497	1.10350	0.00484	0.72132	0.00517	1.17210	0.00495	1.49757	0.00510	1.32649	0.00510	0.91923	0.00502	1.08693	0.00629	0.27666
	0.00995	2.11388	0.00964	1.55872	0.01034	2.06135	0.00989	2.32191	0.01019	2.14359	0.01019	1.64410	0.01002	1.56641	0.01259	0.34922
	0.02483	3.55763	0.01444	2.15900	0.01552	2.84616	0.01483	3.09448	0.01530	2.94135	0.01530	2.17765	0.01502	1.92506	0.01891	0.61981
	0.04959	5.02749	0.02403	3.16935	0.02579	3.71741	0.02464	4.08412	0.02547	3.54231	0.02547	2.87300	0.02506	2.38033	0.03152	0.81516
	0.09867	6.74273	0.03357	3.75764	0.03618	4.08283	0.03448	4.85733	0.03561	4.25145	0.03561	3.30785	0.03498	2.87951	0.04411	0.91692
	0.14786	8.02284	0.04767	4.56978	0.05152	4.90272	0.04902	5.55595	0.05086	4.83803	0.05086	3.90136	0.04995	3.29188	0.06309	1.09996
	0.24420	9.00269	0.09445	5.74771	0.10273	6.35810	0.09725	6.84417	0.10123	6.17395	0.10123	5.05976	0.09953	4.36703	0.12608	1.62216
	0.33880	9.99350	0.14054	6.76245	0.15362	7.32165	0.14475	7.82714	0.15167	6.86273	0.15167	5.81828	0.14898	4.91884	0.18899	2.09935
	0.47810	10.85094	0.23094	7.87157	0.25350	8.73913	0.23796	8.85644	0.25051	7.93555	0.25051	6.44928	0.24525	6.07683	0.31352	2.66078
	2.00000	1.00000	0.31781	8.86941	0.35074	9.84596	0.32696	9.83868	0.34729	8.65342	0.34729	6.99136	0.33970	6.55075	0.43746	3.19169
2.00000	1.00000	0.44367	9.67424	0.49267	10.64538	0.45312	10.65362	0.48589	9.34110	0.48589	7.56521	0.47297	7.38405	0.61929	3.69536	
Ventral flexion	0.00490	0.10079	0.00497	0.32890	0.00504	0.16706	0.00498	0.28647	0.00504	0.11758	0.00523	0.20939	0.00501	0.55494	0.00648	0.33312
	0.00980	0.50576	0.00993	0.68281	0.01007	0.65910	0.00994	0.73332	0.01010	0.71865	0.01045	0.42951	0.01004	0.59208	0.01297	0.47238
	0.02451	1.55344	0.01489	0.83233	0.01510	1.06557	0.01497	1.20467	0.01513	0.97082	0.01569	0.60735	0.01504	0.77047	0.01946	0.74468
	0.04900	2.25136	0.02488	1.52284	0.02522	1.57762	0.02498	1.69159	0.02525	1.53037	0.02615	1.18729	0.02513	1.30716	0.03245	1.18821
	0.09812	3.55997	0.03478	1.98196	0.03525	2.03526	0.03501	1.96754	0.03528	1.86604	0.03664	1.51157	0.03518	1.56373	0.04551	1.35356
	0.14689	4.85846	0.04979	2.71830	0.05024	3.63720	0.04992	2.78822	0.05043	2.26136	0.05241	1.81846	0.05032	1.92211	0.06497	1.62753
	0.24487	5.63343	0.09856	4.14650	0.10058	4.30332	0.10022	3.88369	0.09922	3.41836	0.10396	2.98550	0.10106	3.28941	0.13432	2.37819
	0.34019	6.26454	0.14768	4.60828	0.15051	4.59507	0.15063	4.36597	0.14895	3.85944	0.15587	3.51131	0.15213	3.75039	0.20161	2.81616
	0.48204	6.51881	0.24613	5.12712	0.24958	5.15594	0.25048	5.03604	0.24808	4.61072	0.25949	3.99843	0.25294	4.38161	0.33540	3.17815
			0.34328	5.48800	0.34760	5.52798	0.34848	5.36312	0.34586	4.81419	0.36210	4.39452	0.35307	4.77248	0.46872	3.46469
		0.48693	6.09761	0.48949	5.88992	0.49190	5.90558	0.48988	5.10931	0.51139	4.75599	0.49973	5.03608	0.66607	3.89135	

Table S5 continued: Specimen 7, Trial 1

	T4-5		T7-8		T9-10		L1-2		L3-4		L5-S1	
	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle
Dorsal extension	0.02256	0.26922	0.02293	0.34726	0.02247	0.29686	0.02170		0.01984	0.06634	0.03040	0.64761
	0.04512	0.27833	0.04580	0.37750	0.04494	0.71200	0.04334	0.21582	0.03967	0.72669	0.06082	0.86882
	0.06768	0.43743	0.06871	0.83343	0.06748	1.09419	0.06501	0.86503	0.05959	0.99233	0.09122	1.14842
	0.09062	0.51197	0.09149	0.81007	0.08998	1.19351	0.08669	1.04972	0.07937	1.16874	0.12178	1.38410
	0.11314	0.80891	0.11467	1.40935	0.11253	1.65427	0.10828	1.37388	0.09911	1.49107	0.15207	1.63916
	0.13617	1.00195	0.13742	1.27733	0.13517	1.87460	0.12975	1.63460	0.11882	1.47640	0.18230	2.31710
	0.15887	0.83899	0.16033	1.65080	0.15791	2.03694	0.15124	1.97959	0.13869	1.86487	0.21290	2.51572
	0.18134	1.42441	0.18324	1.61136	0.18057	2.04827	0.17300	2.25036	0.15884	1.85904	0.24331	2.75497
	0.20401	1.76845	0.20615	1.71254	0.20302	2.18573	0.19447	2.39508	0.17851	2.64403	0.27411	2.80803
	0.24184	3.04541	0.23187	3.48796	0.22128	2.47999	0.21157	3.01153	0.20169	2.49744	0.30579	1.84286
	0.28937	3.22581	0.27714	3.29710	0.26569	2.90211	0.25330	3.63881	0.24253	2.84748	0.36651	2.17263
	0.33420	3.60677	0.32472	3.49520	0.31032	3.25105	0.29552	3.57141	0.28302	2.99288	0.42808	2.76392
	0.38548	3.63050	0.36966	3.49842	0.35493	3.49476	0.33735	3.71458	0.32309	3.46960	0.48926	2.46771
	0.43621	4.44460	0.41653	4.08680	0.39938	4.00535	0.37988	4.20088	0.36275	4.03193	0.55109	3.67413
	0.48353	4.10904	0.46162	3.46841	0.44376	3.85650	0.42161	4.51678	0.40340	4.28278	0.61367	3.45829
	0.72509	4.99861	0.68730	5.55274	0.66632	4.77151	0.62993	5.21077	0.60368	4.89887	0.91113	4.09722
Mediolateral flexion	0.02071	1.18393	0.02101	1.00543	0.02141	1.46591	0.02144	1.28586	0.02130	1.98069	0.03123	0.63545
	0.04171	2.27045	0.04224	1.88238	0.04287	2.29016	0.04286	2.68058	0.04258	3.18879	0.06240	1.02573
	0.06221	2.53114	0.06326	2.56547	0.06426	2.98791	0.06430	3.58492	0.06374	3.35440	0.09340	1.17841
	0.08301	3.24147	0.08437	2.89812	0.08577	3.57616	0.08573	4.00579	0.08492	3.54463	0.12444	1.54684
	0.10403	3.42440	0.10572	3.14565	0.10713	3.92531	0.10705	4.24010	0.10597	3.61366	0.15553	1.96991
	0.12443	3.94974	0.12628	3.60613	0.12867	4.16682	0.12861	4.65046	0.12693	3.98478	0.18663	1.80136
	0.14570	4.27418	0.14745	3.94832	0.14994	4.56735	0.15004	4.96370	0.14808	4.08132	0.21776	2.02020
	0.16682	4.48584	0.16876	4.10694	0.17124	4.90735	0.17143	5.44618	0.16917	4.08624	0.24859	2.05317
	0.18773	4.80911	0.18987	4.45171	0.19290	4.94919	0.19274	5.19533	0.19013	4.25160	0.27935	2.24967
	0.22031	5.23275	0.20501	4.60326	0.20992	4.88656	0.21330	5.58590	0.20781	5.27392	0.29820	3.15110
	0.26419	5.51546	0.24682	5.08680	0.25215	5.40999	0.25597	5.74460	0.24918	5.48849	0.35782	2.35664
	0.30868	6.20888	0.28745	5.29946	0.29421	5.64595	0.29811	6.18649	0.29081	5.68626	0.41758	3.24815
	0.35688	6.60371	0.32874	5.44902	0.33626	5.73040	0.34031	6.31705	0.33103	5.97042	0.47659	2.68880
	0.39387	6.92573	0.36955	5.97661	0.37729	5.95018	0.38285	6.75226	0.37244	5.55520	0.53635	3.86689
	0.43781	7.27146	0.41176	5.98390	0.41889	6.22915	0.42464	6.95742	0.41271	5.55520	0.59336	3.72420
	0.66277	8.37358	0.61703	6.81869	0.62598	7.04991	0.63510	7.88868	0.61382	5.36792	0.88829	3.72530
Ventral flexion	0.02101	0.48855	0.02212	0.54600	0.02187	0.36508	0.02166	0.20781	0.02148	0.72203	0.03132	0.93595
	0.04199	1.13379	0.04469	0.99198	0.04369	0.80864	0.04334	0.80540	0.04287	1.29148	0.06264	2.06501
	0.06296	1.47436	0.06732	1.21240	0.06549	1.72410	0.06405	1.08200	0.06425	1.71154	0.09395	2.49938
	0.08406	2.04395	0.08949	1.89218	0.08726	2.04339	0.08538	1.68022	0.08577	2.12426	0.12528	2.75811
	0.10535	2.33045	0.11646	2.32491	0.10896	2.51072	0.10686	2.05812	0.10722	2.51512	0.15641	2.81494
	0.12664	2.84175	0.13975	2.67414	0.13059	2.83782	0.12812	2.14622	0.12882	2.97082	0.18771	3.05624
	0.14777	3.05460	0.16308	3.07312	0.15237	2.99157	0.14962	2.50480	0.15025	2.99099	0.21893	3.34324
	0.16901	3.10678	0.18245	3.26438	0.17400	3.31131	0.17099	2.57190	0.17177	3.20875	0.24995	3.46931
	0.18979	3.36187	0.20494	3.38646	0.19552	3.45616	0.19232	2.76850	0.19345	3.50433	0.28090	3.50835
	0.21702	2.40809	0.21470	3.30976	0.20731	4.28697	0.22075	3.23057	0.22520	3.82109	0.32211	3.97668
	0.26201	2.99202	0.25686	3.47713	0.24867	4.77287	0.26541	3.29269	0.27032	4.58019	0.38611	4.62497
	0.30529	2.90009	0.29903	3.68280	0.28909	4.55944	0.30995	4.18970	0.31566	5.16172	0.45055	4.01516
	0.34700	3.23487	0.34245	3.06490	0.33124	4.75742	0.35367	4.19468	0.36132	4.64422	0.51143	3.14920
	0.38997	3.29327	0.38772	3.91104	0.37103	4.35487	0.39962	4.63076	0.40780	4.64422	0.57404	3.69314
	0.43575	3.34949	0.42571	3.99670	0.41259	5.00539	0.44171	5.16760	0.45219	5.04784	0.63718	4.60547
	0.64600	3.56811	0.63978	4.25407	0.61591	5.45775	0.66655	5.23923	0.67737	5.11122	0.95172	4.35218

Table S5 continued: Specimen 8, Trial 1

	T1-2		T3-4		T5-6		T7-8		T9-10		L1-2		L3-4		L5-S1	
	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle	Moment	Angle
Dorsal extension	0.00957	0.13760	0.00929	0.07765	0.00953	0.20450	0.01067	0.48691	0.01117	0.02172	0.01079	0.14082	0.01145	0.31078	0.01481	0.14999
	0.02372	0.25760	0.02317	0.07158	0.02386	0.05247	0.02696	0.49776	0.02795	0.38475	0.02694	0.43901	0.02860	0.31279	0.03741	0.26996
	0.03328	0.54908	0.03236	0.30219	0.03340	0.19013	0.03776	0.85989	0.03908	0.56298	0.03761	0.29618	0.04002	0.63695	0.05169	0.49260
	0.04687	0.53242	0.04634	0.14477	0.04772	0.21084	0.05162	0.93462	0.05559	0.79109	0.05346	0.75534	0.05710	0.83296	0.07402	0.67794
	0.05617	0.70549	0.05575		0.05708	0.17527	0.06357	0.96506	0.06666	0.93117	0.06430	0.89441	0.06850	0.98810	0.08850	0.82000
	0.07007	0.76492	0.06960	0.44163	0.07141	0.45783	0.07931	1.30548	0.08342	1.05269	0.08022	1.18302	0.08563	1.15085	0.11199	1.34885
	0.07942	0.94282	0.07889	0.21087	0.08086	0.48262	0.08996	1.20178	0.09454	1.30053	0.09046	0.91025	0.09693	1.32714	0.12562	1.31319
	0.09337	0.78623	0.09281		0.09497	0.63235	0.10564	1.48981	0.11122	1.31417	0.10647	1.49953	0.11392	1.67048	0.14761	1.47562
	0.11648	1.18626	0.11602	0.47013	0.11863	0.85789	0.13159	1.76406	0.13909	1.54273	0.13281	1.65674	0.14216	2.02417	0.18411	1.77202
	0.14168	1.45086	0.13940	0.25259	0.14187	0.70942	0.15677	1.77216	0.16670	1.72821	0.15913	1.94830	0.17039	2.17715	0.22002	2.11234
	0.18787	3.15115	0.18576	0.94685	0.18469	1.50326	0.21146	2.14647	0.21773	2.03811	0.20128	2.32396	0.22798	3.71205	0.29119	2.11775
	0.27836	4.03436	0.27331	1.55883	0.27382	1.90665	0.31607	2.85754	0.32634	3.21044	0.29935	2.74531	0.34039	4.67777	0.43340	2.60934
	0.36859	6.31726	0.36418	1.81192	0.36219	2.16043	0.41806	2.90449	0.43145	3.36996	0.39345	3.56123	0.44953	5.47892	0.57237	3.10749
	0.45334	3.46253	0.45299	2.23305	0.44905	2.37920	0.52876	3.60056	0.53502	3.67219	0.48548	3.85346	0.55635	5.89085	0.70084	3.83252
Mediolateral flexion	0.00885	0.50563	0.00750	0.65837	0.00885	0.69003	0.01169	0.71463	0.01131	0.85680	0.01170	1.24584	0.01175	0.81404	0.01490	0.22707
	0.02220	1.41909	0.01898	0.99139	0.02219	1.35638	0.02928	2.59118	0.02843	2.18880	0.02953	2.32720	0.02928	1.85009	0.03725	0.11784
	0.03104	2.21703	0.02680	0.99146	0.03103	2.35778	0.04092	3.27965	0.03977	2.79336	0.04133	2.95471	0.04100	2.61899	0.05215	0.20400
	0.04375	3.38592	0.03840	2.64637	0.04393	2.85856	0.05817	4.91904	0.05644	3.29738	0.05866	3.56986	0.05853	3.45151	0.07448	0.52779
	0.05326	3.96651	0.04602	3.30387	0.05276	3.48307	0.06995	5.18627	0.06768	4.27067	0.06789	4.53018	0.07007	3.61297	0.08937	0.30836
	0.06647	4.59873	0.05753	3.96519	0.06570	4.25483	0.08744	5.96006	0.08477	4.53759	0.08826	4.49003	0.08748	4.19359	0.11172	0.22746
	0.07499	5.11840	0.06521	3.65336	0.07446	4.35391	0.09938	6.46043	0.09594	4.70617	0.10009	4.95050	0.09926	4.61437	0.12661	0.49328
	0.08721	5.65537	0.07718	4.97442	0.08719	5.09422	0.11604	6.96920	0.11309	5.05896	0.11828	5.26110	0.11670	4.75663	0.14906	0.59862
	0.11002	6.44966	0.09648	5.30836	0.10857	5.35653	0.14524	7.64550	0.14118	5.87384	0.14764	5.57409	0.14564	5.04162	0.18618	0.91150
	0.13181	6.84369	0.11515	6.24692	0.13014	6.08494	0.17405	8.43709	0.16908	6.25501	0.17772	6.01817	0.17430	5.13286	0.22326	1.33299
	0.17385	7.87053	0.15513	6.98131	0.17232	7.01897	0.23112	8.51730	0.22485	6.94120	0.23643	6.30351	0.23173	5.68800	0.31287	2.05724
	0.26038	8.88558	0.23118	7.34499	0.25543	7.80107	0.34413	9.79869	0.33527	7.46900	0.35399	7.37762	0.34731	6.77665	0.46792	3.83367
	0.34608	9.68930	0.31373	8.47164	0.33779	8.28917	0.45212	10.24447	0.44643	8.14459	0.46928	7.90734	0.46131	7.23677	0.62141	2.59796
	0.43245	10.13308	0.38354	8.51515	0.41630	8.50587	0.56280	10.83676	0.55619	8.86404	0.58737	8.39326	0.57098	7.58763	0.77374	3.36196
Ventral flexion	0.00877	0.28043	0.00893	0.12747	0.02288	0.63408	0.01156	0.27947	0.01155	0.20942	0.01062	0.50403	0.01112	0.29481	0.01535	0.34996
	0.02193	0.46625	0.02236	0.28664	0.03246	0.62665	0.02897	0.47574	0.02891	0.53707	0.02584	0.64367	0.02776	0.70912	0.03841	1.03069
	0.03073	0.36628	0.03118	0.30660	0.04695	0.94511	0.04058	0.79943	0.04048	0.84508	0.03716	1.27939	0.03889	1.11031	0.05378	1.45046
	0.04391	0.62211	0.05191	0.58161	0.05582	0.89396	0.05812	1.34646	0.05784	1.38817	0.05273	1.78639	0.05480	1.94391	0.07686	1.90345
	0.05278	1.20301	0.06469	0.66225	0.06809	1.42036	0.06983	1.57579	0.06929	1.93369	0.06223	2.17404	0.06587	2.11910	0.09227	1.96144
	0.06617	1.55904	0.07356	0.80678	0.07902	1.49492	0.08741	2.47441	0.08682	2.24683	0.07790	2.43801	0.08345	2.50316	0.11535	2.54345
	0.07515	1.72946	0.08654	0.97327	0.09360	1.80340	0.09933	2.82336	0.09807	2.66159	0.08819	2.94556	0.09442	2.77575	0.13063	2.70333
	0.08844	2.06117	0.10777	1.53284	0.11796	2.53850	0.11702	3.17236	0.11553	3.07983	0.10372	3.20174	0.11116	3.06428	0.15416	3.18731
	0.11076	2.94738	0.12987	2.00094	0.13948	2.79262	0.14649	3.93215	0.14426	3.39057	0.13285	3.61340	0.13920	3.32200	0.19218	3.79930
	0.13629	3.96615	0.18491	2.58165	0.18104	2.89054	0.17609	4.29037	0.17327	3.91721	0.15645	4.02434	0.16742	3.47095	0.23102	3.53483
	0.17263	4.60894	0.27497	3.36420	0.27487	3.92875	0.23444	5.35674	0.22713	4.59852	0.21087	4.45851	0.21902	4.33695	0.29735	3.73934
	0.25826	5.63571	0.36344	3.64858	0.36700	4.59716	0.34767	6.57961	0.33944	5.35637	0.32537	4.66446	0.32780	4.82273	0.44541	3.94047
	0.34651	5.81657	0.45109	4.12849	0.45442	5.22133	0.46148	6.77907	0.45147	5.76026	0.43279	5.09373	0.43636	5.03705	0.59042	4.65964
	0.42942	6.00351					0.57341	7.38211	0.56065	5.98084	0.54161	5.61382	0.55290	5.21553	0.74406	4.71520

Non-normalized moments and resulting deflection angles for all specimens in trial 1 (see Methods for calculations and explanation of missing values). Moments are in Newton metres and angles are in degrees.

Table S6. Non-normalized morphometric measurements for all specimens

	PZA	NSA	TPAD	TPAC	NSL	CL	NSH	CW	CH	PZW	IZD	TPW	TPLT	LW	
Specimen 1	T1	116.8	137.2	184.9	100.9	4.5	7.0	8.2	10.3	5.4	11.4	11.3	20.9	3.0	7.2
	T2	115.1	118.9	202.0	95.6	4.7	7.8	7.5	8.0	5.3	11.9	12.2	22.4	2.6	7.7
	T3	109.7	114.4	210.8	98.1	5.3	8.4	7.6	7.7	5.4	12.1	12.1	23.7	4.7	7.7
	T4	109.8	116.3	209.8	96.0	5.3	8.0	7.1	7.7	4.8	12.1	12.1	24.4	4.9	7.8
	T5	111.7	122.3	204.1	93.3	5.4	8.2	7.4	7.5	5.0	12.2	12.4	26.2	5.2	7.8
	T6	107.4	130.3	187.9	96.7	5.3	8.2	7.0	7.7	5.3	12.2	12.4	27.5	4.9	7.6
	T7	109.4	141.0	189.7	94.6	5.6	8.6	6.9	7.7	5.4	12.2	12.5	28.6	5.1	8.0
	T8	115.3	153.6	186.7	91.3	5.6	9.0	7.0	7.4	5.3	12.6	12.3	29.9	4.9	8.0
	T9	124.8	167.9	174.0	94.5	5.6	8.1	6.7	7.8	5.3	12.8	12.5	30.5	4.5	8.4
	T10	138.8	165.4	166.9	101.5	6.2	9.2	7.0	8.1	5.2	13.1	13.0	30.5	4.0	7.4
	L1	120.8	169.7	163.0	95.6	5.9	9.0	7.1	8.0	5.4	12.5	13.3	28.1	4.6	7.7
	L2	121.7	170.4	171.3	94.7	5.8	9.0	6.9	7.8	5.4	12.8	13.2	27.5	4.5	7.9
	L3	120.6	176.2	174.9	97.2	6.0	8.7	6.8	8.0	5.5	13.1	13.1	26.3	4.1	8.2
	L4	123.2	182.9	197.3	89.9	5.8	8.4	6.7	8.2	5.2	13.3	12.6	25.6	3.6	8.3
	L5	125.3	189.0	205.0	91.2	5.6	8.5	6.9	8.1	5.4	13.1	12.8	22.7	2.8	8.4
	S1	127.0	210.2	188.6	84.8	6.2	8.8	7.1	10.6	5.1	12.4	12.1	32.6	7.3	8.1
	Specimen 2	T1	109.6	158.2	190.4	114.8	3.9	7.3	10.2	10.5	5.5	10.7	11.4	20.1	2.7
T2		125.0	143.9	194.9	113.1	4.1	7.3	9.7	10.3	5.1	11.0	11.6	20.9	2.6	7.3
T3		131.6	134.9	201.3	107.8	4.3	7.8	9.6	8.0	5.3	11.9	11.7	23.1	2.7	7.6
T4		125.7	137.4	203.9	103.4	5.2	7.9	8.6	7.7	5.0	12.2	11.7	25.6	4.3	7.8
T5		124.9	140.5	201.2	108.5	5.0	7.8	8.2	7.7	4.9	12.1	12.0	26.4	4.7	7.8
T6		117.3	149.4	193.9	97.4	5.5	8.2	8.2	7.5	5.1	12.2	11.7	27.7	4.7	7.8
T7		136.7	154.5	193.7	100.5	5.8	8.6	8.4	7.8	5.2	12.7	12.2	29.9	4.3	7.7
T8		127.5	166.4	180.0	97.6	5.8	8.5	8.6	7.6	5.2	12.6	12.3	29.9	4.6	7.7
T9		134.4	165.7	176.4	98.1	6.4	8.6	8.4	8.0	5.5	12.8	12.2	30.5	4.6	7.7
T10		138.9	178.8	174.8	98.5	6.4	8.4	8.0	8.1	5.5	12.6	13.0	30.3	4.0	7.6
L1		128.6	179.3	174.6	100.0	6.3	8.7	7.8	8.1	5.4	12.6	12.7	30.4	3.7	7.6
L2		120.8	187.0	170.2	95.6	6.2	8.8	8.1	7.9	5.2	12.8	12.8	28.5	3.4	7.9
L3		123.6	185.9	180.8	93.8	5.7	8.9	8.0	7.4	5.7	13.5	13.5	25.3	3.3	8.2
L4		133.8	180.8	185.3	93.7	5.7	8.5	7.9	8.5	5.5	14.0	13.1	24.6	2.9	8.2
L5		127.6	189.0	191.8	93.2	5.6	8.1	8.1	8.7	5.4	13.6	12.7	23.7	2.3	8.2
S1		129.0	207.6	210.4	84.8	5.7	8.6	7.6	9.4	5.3	13.2	11.8	31.4	5.3	7.9
Specimen 3		T1	108.4	161.6	192.4	109.8	5.1	8.0	10.8	12.1	6.2	12.8	12.8	23.8	3.0
	T2	117.4	142.1	196.3	98.9	6.0	8.5	10.1	12.1	6.4	13.4	13.5	25.0	3.3	8.5
	T3	113.4	129.0	214.5	100.6	6.3	9.0	9.6	9.2	6.4	14.2	13.5	28.1	5.2	8.9
	T4	105.5	123.7	203.6	95.0	6.6	9.1	9.2	9.2	6.1	14.3	13.9	29.3	5.2	8.9
	T5	107.2	131.1	199.8	94.6	7.1	9.3	9.1	9.0	5.9	14.1	13.5	32.4	5.6	8.4
	T6	113.3	129.9	189.3	95.1	6.8	9.1	9.1	9.1	5.9	14.3	13.9	31.4	5.4	8.6
	T7	108.8	132.7	196.8	96.5	6.7	9.0	8.7	9.1	6.1	13.9	14.4	32.8	5.8	8.6
	T8	101.0	142.0	188.4	97.1	7.2	9.9	8.2	9.0	6.0	13.8	14.2	35.8	5.6	8.7
	T9	121.3	156.6	167.9	101.1	7.3	9.9	8.3	9.3	6.0	14.5	14.5	35.1	5.4	8.5
	T10	119.9	168.6	166.2	95.5	7.5	9.4	8.3	9.4	6.1	14.6	14.1	35.9	4.9	8.8
	L1	125.7	178.3	167.2	99.8	7.2	9.2	8.4	9.7	6.0	14.9	14.0	35.5	5.0	9.1
	L2	117.8	172.5	167.6	97.9	7.8	10.0	8.3	9.9	6.2	14.9	14.8	33.6	4.5	9.1
	L3	129.3	178.0	168.5	96.6	7.7	10.2	8.7	9.8	6.3	15.4	14.8	31.5	4.2	9.4
	L4	127.4	168.9	171.2	92.2	7.3	9.7	8.6	10.0	6.4	15.9	14.5	30.5	3.6	9.6
	L5	130.6	181.6	200.0	93.3	6.5	8.7	8.3	9.9	6.4	16.3	14.3	29.0	3.2	9.8
	S1	125.8	200.4	199.0	89.3	6.7	10.1	8.6	11.4	6.2	15.4	13.5	38.3	7.1	8.7

Table S2 continued

	PZA	NSA	TPAD	TPAC	NSL	CL	NSH	CW	CH	PZW	IZD	TPW	TPLT	LW	
Specimen 4	T1	89.4	109.4	147.9	193.4	5.9	10.5	13.9	13.5	7.1	12.3	13.8	27.0	4.4	8.6
	T2	105.9	104.6	134.8	204.9	6.6	10.8	13.3	13.7	7.2	13.3	15.2	29.1	5.1	9.3
	T3	105.8	108.7	129.8	205.1	7.2	11.3	12.2	11.1	7.4	14.6	15.6	31.9	6.5	9.5
	T4	100.4	102.5	138.5	205.2	7.7	11.5	11.2	10.4	7.3	14.9	15.6	36.0	7.1	9.4
	T5	107.4	94.8	139.0	202.4	7.8	11.6	10.7	10.4	6.9	14.6	16.0	38.6	6.9	9.3
	T6	101.7	97.1	145.2	197.5	7.9	11.6	10.7	10.3	7.0	14.6	15.9	40.7	7.1	9.7
	T7	105.8	99.8	143.9	192.9	7.9	12.2	10.3	10.4	7.1	14.7	16.2	41.2	6.9	9.7
	T8	108.2	96.0	156.9	179.4	7.6	11.8	10.2	10.5	7.2	14.9	16.5	43.2	6.9	9.9
	T9	112.1	96.5	164.0	178.2	7.9	12.0	9.7	10.7	7.2	15.1	16.4	44.1	6.5	9.9
	T10	114.0	95.9	174.6	173.8	8.6	12.0	10.7	10.8	7.3	15.4	16.3	43.9	6.5	10.0
	L1	124.0	91.0	185.7	170.2	7.9	12.3	10.2	11.2	7.3	15.8	16.8	42.4	6.1	9.8
	L2	120.1	90.9	197.6	172.0	8.2	12.5	10.1	11.2	7.7	15.8	17.5	38.7	5.9	9.9
	L3	119.5	93.5	190.4	172.3	8.6	12.5	10.2	11.2	7.9	16.1	17.4	37.3	5.4	10.2
	L4	124.1	89.4	182.9	182.0	8.2	12.2	10.0	11.4	7.9	17.3	17.2	35.8	4.5	10.8
	L5	123.4	82.2	189.1	184.9	7.6	11.9	10.1	11.9	7.8	17.0	16.4	33.4	3.9	10.9
	S1	115.3	86.6	213.1	201.7	8.3	12.0	9.2	12.6	7.7	16.3	16.3	43.3	8.2	9.2
Specimen 5	T1	95.9	99.0	148.1	190.7	7.5	12.7	20.4	18.4	9.6	16.7	18.6	35.6	4.6	11.1
	T2	105.4	101.0	131.2	194.1	8.0	13.3	19.2	19.1	9.4	17.8	19.7	36.0	5.8	11.5
	T3	99.9	99.0	122.0	199.5	8.7	14.4	18.3	14.3	9.7	18.8	19.4	40.7	6.8	11.8
	T4	96.3	101.0	133.0	207.1	9.3	14.2	17.8	13.3	9.0	19.1	20.2	44.6	8.0	11.6
	T5	102.8	94.0	138.2	200.8	8.8	14.0	17.2	13.4	8.7	19.2	19.9	47.6	7.1	11.6
	T6	103.0	94.0	140.0	195.2	9.0	14.8	17.0	13.1	8.7	19.5	20.1	50.1	7.6	11.5
	T7	106.9	90.0	159.1	193.5	9.2	15.1	16.4	13.1	8.9	19.6	21.0	52.1	7.6	11.5
	T8	108.9	91.0	163.5	186.1	8.9	14.8	16.0	12.8	9.1	19.4	18.8	53.9	6.5	10.2
	T9					8.7	14.1	16.6	13.5	9.3	20.0	21.2	47.9	7.3	11.6
	T10	124.0	89.0	170.4	176.7	9.5	14.6	16.2	13.6	9.0	20.4	20.2	56.0	6.9	11.9
	L1	132.5	88.0	189.1	178.8	9.9	15.6	15.9	13.9	9.6	21.1	21.8	55.7	7.3	12.2
	L2	126.3	88.0	191.8	186.7	9.7	15.8	16.0	13.7	10.1	21.6	21.8	51.8	7.2	12.2
	L3	124.9	87.0	188.7	185.7	10.0	15.4	16.1	14.1	10.6	21.9	22.7	48.7	5.9	12.1
	L4	120.5	88.0	182.3	195.2	9.4	14.9	16.0	14.6	10.3	22.7	21.5	46.5	5.5	12.0
	L5	112.3	82.0	189.2	202.1	8.4	14.3	16.1	14.9	9.9	21.7	21.4	42.9	4.9	12.0
	S1	100.2	84.0	209.5	206.5	8.5	15.1	15.5	16.3	9.6	20.1	19.6	56.0	11.0	11.0
Specimen 6	T1	107.3	110.9	130.4	191.4	6.7	12.1	16.9	16.5	8.3	14.3	17.6	31.2	4.2	10.3
	T2	114.5	111.0	124.9	203.0	7.6	12.1	16.7	16.4	8.2	15.4	18.5	34.8	4.5	11.0
	T3	113.2	109.9	131.9	198.9	8.3	13.0	15.3	12.5	8.3	16.8	18.3	39.8	8.1	11.5
	T4	106.1	104.2	135.8	202.9	8.8	13.1	14.5	12.2	7.7	18.1	18.5	43.3	7.8	11.2
	T5	108.4	102.5	146.8	196.7	8.7	13.2	13.8	11.8	8.0	17.0	18.5	47.0	7.6	11.1
	T6	105.6	101.9	148.4	192.9	9.3	13.5	13.8	11.6	8.2	16.7	19.2	48.1	7.8	11.0
	T7	112.2	100.8	151.3	183.9	9.3	13.6	13.2	11.7	8.4	16.9	19.3	50.0	7.8	11.3
	T8	115.2	91.9	157.3	179.2	9.2	13.7	13.1	11.9	8.3	17.5	18.7	51.8	7.7	11.7
	T9	121.0	95.0	167.7	176.8	9.3	13.8	12.4	12.2	8.4	17.8	19.3	52.1	7.0	11.6
	T10	124.1	97.3	183.5	167.3	9.9	13.7	13.0	12.5	8.3	17.6	19.3	50.1	6.3	10.9
	L1	126.1	92.1	188.4	168.2	10.0	13.8	12.9	13.0	8.4	17.3	19.3	48.2	6.2	11.0
	L2	122.6	91.9	183.2	168.3	9.5	13.9	12.4	13.1	8.6	17.9	19.4	46.1	5.8	11.0
	L3	126.4	83.4	181.0	176.9	10.1	14.1	12.7	13.4	8.7	18.2	20.4	43.7	5.3	11.7
	L4	133.2	82.7	188.5	173.3	9.2	13.6	12.4	13.6	8.4	18.8	19.3	41.6	4.4	11.8
	L5	124.8	82.6	180.8	177.3	9.2	12.9	11.8	13.8	8.0	18.5	18.3	38.0	3.4	12.2
	S1	118.8	83.3	216.1	191.2	9.4	13.7	12.7	14.8	7.9	17.3	18.8	53.1	12.3	10.0

Table S2 continued

	PZA	NSA	TPAD	TPAC	NSL	CL	NSH	CW	CH	PZW	IZD	TPW	TPLT	LW	
Specimen 7	T1	93.3	117.3	157.4	196.1	8.6	16.5	29.5	22.3	11.0	21.1	22.2	44.7	5.4	13.6
	T2	113.8	105.8	146.4	198.8	9.9	16.4	25.4	22.2	10.9	23.2	23.5	47.6	6.5	15.2
	T3	115.0	105.7	138.9	209.1	10.6	17.8	23.9	16.4	11.6	25.4	23.6	54.8	10.2	16.2
	T4	116.4	106.3	153.0	202.4	11.1	17.3	22.6	16.1	11.5	26.4	24.1	61.6	10.1	16.3
	T5	117.4	103.1	159.2	198.3	11.2	17.6	21.4	16.1	10.6	26.1	23.4	65.4	9.3	16.4
	T6	121.7	98.6	164.6	188.9	11.3	18.2	19.8	15.7	10.8	26.0	24.5	71.0	10.7	16.4
	T7	118.0	97.6	170.8	184.9	12.1	18.1	19.7	15.4	11.0	25.7	24.1	70.8	10.2	16.2
	T8	117.0	96.3	175.7	179.3	11.9	18.4	18.9	15.7	11.2	25.6	24.7	72.5	9.9	16.4
	T9	119.1	90.6	183.1	170.1	11.9	18.2	18.7	16.1	11.0	26.0	24.3	74.4	8.8	16.5
	T10	128.4	87.8	189.8	164.0	12.1	18.5	18.4	16.6	11.0	27.1	25.5	72.2	9.8	16.5
	L1	135.5	87.7	200.2	165.9	13.0	19.1	18.4	16.7	11.2	27.8	26.4	68.2	9.0	16.4
	L2	129.1	84.4	195.7	166.0	13.2	19.2	18.5	17.1	11.5	27.7	26.4	66.4	9.1	16.5
	L3	133.4	84.3	196.7	169.3	12.9	18.3	19.1	17.4	11.4	28.6	26.9	61.7	8.4	16.8
	L4	127.4	83.5	191.0	177.0	12.7	18.4	18.8	17.9	11.3	28.5	26.5	61.1	7.0	16.0
	L5	118.2	85.6	194.2	184.8	12.2	17.6	19.5	18.3	11.5	27.8	24.0	55.7	5.6	15.8
	S1	113.2	85.5	213.1	206.0	12.3	18.1	19.5	19.9	10.7	26.7	24.4	77.0	14.6	13.5
Specimen 8	T1	97.3	111.8	155.0	200.0	9.1	18.2	29.6	24.1	12.6	24.9	25.7	50.1	6.5	15.7
	T2	104.4	107.3	134.8	204.1	10.0	19.0	28.9	25.2	12.7	26.8	27.1	54.3	7.5	16.4
	T3	100.2	112.5	146.8	199.8	11.1	19.4	26.3	18.4	13.4	28.1	25.8	63.9	10.9	17.6
	T4	101.1	107.5	153.9	195.9	12.3	19.2	24.7	17.7	12.6	29.3	25.6	69.0	10.1	17.5
	T5	110.7	103.7	161.3	195.6	12.3	19.1	23.2	17.7	12.1	29.4	26.5	72.3	11.3	18.4
	T6	115.5	103.9	163.1	186.8	12.5	19.6	22.6	17.2	12.2	29.8	26.1	75.3	10.9	18.2
	T7	115.8	100.0	170.8	181.6	13.1	19.9	20.8	17.2	12.2	29.5	26.3	77.3	11.2	18.7
	T8	120.4	100.6	174.1	174.7	13.4	20.1	21.2	17.2	12.4	30.4	27.3	78.5	10.8	18.8
	T9	129.6	95.3	180.0	167.8	13.1	20.0	19.0	17.4	12.3	30.9	27.1	79.0	10.3	18.2
	T10	124.5	93.9	184.7	164.5	14.4	20.3	18.7	18.3	12.2	30.2	27.8	78.5	9.8	17.5
	L1	127.3	91.7	195.1	166.0	13.4	21.0	20.5	17.9	12.4	30.5	28.2	73.7	10.0	17.2
	L2	133.4	90.0	187.7	164.1	14.4	21.0	20.8	18.1	12.4	31.1	28.9	71.1	9.1	17.7
	L3	126.0	86.9	181.7	170.5	14.0	20.7	20.5	18.4	12.8	31.8	28.4	65.9	7.7	18.0
	L4	127.9	88.3	181.5	176.2	13.2	20.1	20.7	18.9	12.8	32.2	29.2	63.3	6.5	17.3
	L5	117.5	87.1	192.6	174.4	13.2	19.6	20.8	19.8	12.7	32.0	28.2	58.2	6.2	18.0
	S1	115.9	86.8	216.4	205.0	14.1	20.3	20.4	20.8	12.5	31.1	27.2	81.7	15.2	15.7

All angular measurements (PZA, NSA, TPAD, TPAC) in degrees, all linear measurements in millimetres. See text for abbreviations.

Table S7. Post-hoc tests of between-subject variance in stiffness by direction and joint

Pairwise comparisons		Mean Difference	S.E.	<i>P</i>	95% Confidence Interval	
Dorsal extension	Lateral flexion	0.1053*	0.0380	0.0181	0.0137	0.1969
	Ventral flexion	-0.0070	0.0383	1.0000	-0.0994	0.0854
Lateral flexion	Dorsal extension	-0.1053*	0.0380	0.0181	-0.1969	-0.0137
	Ventral flexion	-0.1123*	0.0380	0.0103	-0.2039	-0.0207
Ventral flexion	Dorsal extension	0.0070	0.0383	1.0000	-0.0854	0.0994
	Lateral flexion	.1123*	0.0380	0.0103	0.0207	0.2039
T1-2	T3-4	-0.1674	0.0644	0.2783	-0.3709	0.0361
	T5-6	-0.1880	0.0635	0.0942	-0.3885	0.0125
	T7-8	-0.1581	0.0635	0.3768	-0.3586	0.0425
	T9-10	-0.2348*	0.0631	0.0068	-0.4339	-0.0356
	L1-2	-0.2743*	0.0631	0.0006	-0.4734	-0.0751
T3-4	L3-4	-0.3942*	0.0626	0.0000	-0.5921	-0.1964
	L5-S1	-0.8440*	0.0639	0.0000	-1.0460	-0.6420
	T1-2	0.1674	0.0644	0.2783	-0.0361	0.3709
	T5-6	-0.0206	0.0630	1.0000	-0.2195	0.1783
	T7-8	0.0093	0.0630	1.0000	-0.1895	0.2082
T5-6	T9-10	-0.0674	0.0625	1.0000	-0.2649	0.1301
	L1-2	-0.1069	0.0625	1.0000	-0.3044	0.0906
	L3-4	-0.2268*	0.0621	0.0089	-0.4230	-0.0306
	L5-S1	-0.6766*	0.0634	0.0000	-0.8769	-0.4763
	T1-2	0.1880	0.0635	0.0942	-0.0125	0.3885
T7-8	T3-4	0.0206	0.0630	1.0000	-0.1783	0.2195
	T7-8	0.0299	0.0620	1.0000	-0.1659	0.2258
	T9-10	-0.0468	0.0616	1.0000	-0.2412	0.1477
	L1-2	-0.0863	0.0616	1.0000	-0.2807	0.1082
	L3-4	-0.2062*	0.0611	0.0242	-0.3993	-0.0131
T9-10	L5-S1	-0.6560*	0.0625	0.0000	-0.8533	-0.4587
	T1-2	0.1581	0.0635	0.3768	-0.0425	0.3586
	T3-4	-0.0093	0.0630	1.0000	-0.2082	0.1895
	T5-6	-0.0299	0.0620	1.0000	-0.2258	0.1659
	T9-10	-0.0767	0.0616	1.0000	-0.2712	0.1177
T1-2	L1-2	-0.1162	0.0616	1.0000	-0.3106	0.0782
	L3-4	-0.2361*	0.0611	0.0040	-0.4292	-0.0430
	L5-S1	-0.6860*	0.0625	0.0000	-0.8833	-0.4886
T3-4	T1-2	0.2348*	0.0631	0.0068	0.0356	0.4339

	T3-4	0.0674	0.0625	1.0000	-0.1301	0.2649
	T5-6	0.0468	0.0616	1.0000	-0.1477	0.2412
	T7-8	0.0767	0.0616	1.0000	-0.1177	0.2712
	L1-2	-0.0395	0.0611	1.0000	-0.2325	0.1535
	L3-4	-0.1594	0.0607	0.2564	-0.3511	0.0322
	L5-S1	-0.6092*	0.0620	0.0000	-0.8052	-0.4133
L1-2	T1-2	0.2743*	0.0631	0.0006	0.0751	0.4734
	T3-4	0.1069	0.0625	1.0000	-0.0906	0.3044
	T5-6	0.0863	0.0616	1.0000	-0.1082	0.2807
	T7-8	0.1162	0.0616	1.0000	-0.0782	0.3106
	T9-10	0.0395	0.0611	1.0000	-0.1535	0.2325
	L3-4	-0.1199	0.0607	1.0000	-0.3116	0.0717
	L5-S1	-0.5698*	0.0620	0.0000	-0.7657	-0.3738
L3-4	T1-2	0.3942*	0.0626	0.0000	0.1964	0.5921
	T3-4	0.2268*	0.0621	0.0089	0.0306	0.4230
	T5-6	0.2062*	0.0611	0.0242	0.0131	0.3993
	T7-8	0.2361*	0.0611	0.0040	0.0430	0.4292
	T9-10	0.1594	0.0607	0.2564	-0.0322	0.3511
	L1-2	0.1199	0.0607	1.0000	-0.0717	0.3116
	L5-S1	-0.4498*	0.0616	0.0000	-0.6444	-0.2552
L5-S1	T1-2	0.8440*	0.0639	0.0000	0.6420	1.0460
	T3-4	0.6766*	0.0634	0.0000	0.4763	0.8769
	T5-6	0.6560*	0.0625	0.0000	0.4587	0.8533
	T7-8	0.6860*	0.0625	0.0000	0.4886	0.8833
	T9-10	0.6092*	0.0620	0.0000	0.4133	0.8052
	L1-2	0.5698*	0.0620	0.0000	0.3738	0.7657
	L3-4	0.4498*	0.0616	0.0000	0.2552	0.6444

P-values reflect Bonferroni correction for multiple comparisons.

The error term is Mean Square (Error) = 0.065.