

Supplementary Table S1—Individual, mean, and SD ROM (°) of intact specimens and constructs of L1-2 vertebrae after complete discectomy and unilateral stabilization with customized implants (LCP-IS and LCP) in flexion and extension (FE), lateral bending (LB), and torsion (T).

	Intact			LCP-IS			LCP		
	FE	LB	T	FE	LB	T	FE	LB	T
Sample 1	32.00	47.28	6.11	33.27	34.37	12.48	31.45	38.82	13.39
Sample 2	25.94	36.32	6.01	24.46	25.49	10.54	25.37	30.00	10.87
Sample 3	23.84	32.25	4.08	23.01	21.12	10.91	18.29	18.92	8.76
Sample 4	26.56	36.32	6.82	26.94	29.99	11.98	23.36	29.38	11.18
Sample 5	27.66	40.36	5.24	33.07	30.74	10.53	33.45	35.94	9.63
Sample 6	23.97	36.81	4.94	18.70	25.15	6.88	24.13	33.25	8.76
Sample 7	25.22	37.08	5.11	28.35	22.94	10.82	25.98	25.86	8.98
Sample 8	19.23	33.38	4.84	19.31	24.99	9.54	14.74	22.63	9.02
Sample 9	18.26	22.80	0.00	19.22	15.44	7.88	21.69	21.85	9.79
Sample 10	16.61	29.00	0.00	13.44	18.10	6.23	15.43	21.45	6.63
Sample 11	25.19	37.07	0.00	33.70	33.01	13.28	34.94	28.60	13.39
Sample 12	20.92	27.07	2.97	17.72	22.54	7.72	16.26	20.93	7.34
Sample 13	20.37	26.89	3.84	14.67	16.88	7.58	26.86	23.81	10.32
Sample 14	19.91	28.92	3.83	21.71	20.43	9.04	22.38	26.45	10.17
Sample 15	30.26	40.10	6.69	28.98	31.76	12.02	34.25	30.57	14.48
Sample 16	14.68	23.87	0.00	18.39	14.77	7.40	16.43	16.70	9.86
mean	23.16	33.47	5.04	23.43	24.23	9.68	24.06	26.57	10.16
SD	4.87	6.67	1.21	6.63	6.34	2.20	6.84	6.23	2.14