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Supplementary Table S2. SFMA movement map assigned by Rater A, Rater B1 and Rater B2**.**

	FN: Functional non painful			FP: Functional painful			DN: Dysfunctional non painful			DP: Dysfunctional painful		
	Rater A	**Rater B1**	**Rater B2**	**Rater A**	**Rater B1**	**Rater B2**	**Rater A**	**Rater B1**	**Rater B2**	**Rater A**	**Rater B1**	**Rater B2**
Cervical Flexion: C Flex	18 (64.3%)	18 (64.3%)	15 (53.6%)	1 (3.6%)	1 (3.6%)	1 (3.6%)	9 (32.1%)	9 (32.1%)	12 (42.9%)	0 (0%)	0 (0%)	0 (0%)
Cervical Extension: C Ext	21 (75%)	24 (85.7%)	20 (71.4%)	1 (3.6%)	1 (3.6%)	2 (7.1%)	5 (17.9%)	2 (7.1%)	6 (21.4%)	1 (3.6%)	1 (3.6%)	0 (0%)
Cervical Rotation Right: C Rot R	20 (71.4%)	21 (75%)	16 (57.1%)	1 (3.6%)	0 (0%)	0 (0%)	7 (25%)	6 (21.4%)	11 (39.3%)	0 (0%)	1 (3.6%)	1 (3.6%)
Cervical Rotation Left: C Rot L	16 (57.1%)	23 (82.1%)	15 (53.6%)	0 (0%)	0 (0%)	0 (0%)	11 (39.3%)	4 (14.3%)	12 (42.9%)	1 (3.6%)	1 (3.6%)	1 (3.6%)
UE pattern 1 Right	14 (50%)	14 (50%)	16 (57.1%)	1 (3.6%)	0 (0%)	0 (0%)	10 (35.7%)	10 (35.7%)	8 (28.6%)	3 (10.7%)	4 (14.3%)	4 (14.3%)
UE pattern 1 Left	19 (67.9%)	19 (67.9%)	22 (78.6%)	0 (0%)	0 (0%)	0 (0%)	8 (28.6%)	8 (28.6%)	5 (17.9%)	1 (3.6%)	1 (3.6%)	1 (3.6%)
UE pattern 2 Right	25 (89.3%)	24 (85.7%)	24 (85.7%)	0 (0%)	1 (3.6%)	0 (0%)	2 (7.1%)	2 (7.1%)	3 (10.7%)	1 (3.6%)	1 (3.6%)	1 (3,6%)
UE pattern 2 Left	22 (78.6%)	25 (89.3%)	21 (75%)	0 (0%)	0 (0%)	0 (0%)	6 (21.4%)	3 (10.7%)	7 (25%)	0 (0%)	0 (0%)	0 (0%)
Multi-Segmental Flexion: MSF	14 (50%)	13 (46.4%)	11 (39.3%)	1 (3.6%)	1 (3.6%)	1 (3.6%)	10 (35.7%)	11 (39.3%)	13 (46.4%)	2 (7.1%)	2 (7.1%)	2 (7.1%)
Multi-Segmental Extension: MSE	16 (57.1%)	16 (57.1%)	16 (57.1%)	4 (14.3%)	3 (10.7%)	5 (17.9%)	6 (21.4%)	6 (21.4%)	6 (21.4%)	1 (3.6%)	2 (7.1%)	0 (0%)
Multi-Segmental Rotation Right: MSR Right	20 (71.1%)	24 (85.7%)	24 (85.7%)	1 (3.6%)	2 (7.1%)	2 (7.1%)	6 (21.4%)	2 (7.1%)	2 (7.1%)	1 (3.6%)	0 (0%)	1 (3,6%)
Multi-Segmental Rotation Left: MSR Left	15 (53.6%)	23 (82.1%)	17 (60.7%)	2 (7.1%)	1 (3.6%)	2 (7.1%)	11 (39.3%)	3 (10.7%)	9 (32.1%)	0 (0%)	0 (0%)	0 (0%)
Single Leg Stance 1 Right: SLS 1 Right	26 (92.9%)	25 (89.3%)	27 (96.4%)	1 (3.6%)	1 (3.6%)	1 (3.6%)	1 (3.6%)	2 (7.1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Single Leg Stance 1 Left: SLS 1 Left	27 (96.4%)	27 (96.4%)	28 (100 %)	0 (0%)	0 (0%)	0 (0%)	1 (3.6%)	1 (3.6%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Single Leg Stance 2 Right: SLS 2 Right	17 (60.7%)	14 (50%)	25 (89.3%)	0 (0%)	0 (0%)	0 (0%)	10 (35.7%)	13 (46.4%)	3 (10.7%)	1 (3.6%)	1 (3.6%)	0 (0%)
Single Leg Stance 2 Left: SLS 2 Left	22 (78.6%)	21 (75%)	22 (78.6%)	0 (0%)	0 (0%)	0 (0%)	6 (21.4%)	7 (25%)	6 (21.4%)	0 (0%)	0 (0%)	0 (0%)
Overhead Deep Squat: OHDS	10 (35.7%)	18 (64.3%)	13 (46.4%)	2 (7.1%)	3 (10.7%)	2 (7.1%)	13 (46.4%)	5 (17.9%)	10 (35.7 %)	3 (10.7%)	2 (7.1%)	3 (10.7%)