

SUPPLEMENTARY MATERIAL

A) Erosions

R	axSpA vs. controls			non-axSpA LBP vs. controls			axSpA vs. non-axSpA LBP		
	axSpA	controls	P	Non-axSpA	controls	P	axSpA	Non-axSpA	p
1	27.6% (24/87)	0.3% (1/364)	<0.001	2.5% (2/79)	0.3% (1/364)	0.083	27.6% (24/87)	2.5% (2/79)	<0.001
2	24.7% (21/85)	0.0% (0/364)	<0.001	1.3% (1/79)	0.0% (0/364)	0.178	24.7% (21/85)	1.3% (1/79)	<0.001
3	52.3% (45/86)	0.3% (1/364)	<0.001	3.8% (3/79)	0.3% (1/364)	0.005	52.3% (45/86)	3.8% (3/79)	<0.001
4	52.9% (46/87)	0.8% (3/364)	<0.001	5.1% (4/79)	0.8% (3/364)	0.021	52.9% (46/87)	5.1% (4/79)	<0.001
5	28.7% (25/87)	0.0% (0/364)	<0.001	2.5% (2/79)	0.0% (0/364)	0.031	28.7% (25/87)	2.5% (2/79)	<0.001
6	23.3% (20/86)	0.0% (0/364)	<0.001	1.3% (1/79)	0.0% (0/364)	0.178	23.3% (20/86)	1.3% (1/79)	<0.001
7	49.4% (43/87)	0.0% (0/364)	<0.001	1.3% (1/79)	0.0% (0/364)	0.178	49.4% (43/87)	1.3% (1/79)	<0.001
8	50.6% (44/87)	0.3% (1/364)	<0.001	7.6% (6/79)	0.3% (1/364)	<0.001	50.6% (44/87)	7.6% (6/79)	<0.001
9	18.4% (16/87)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	18.4% (16/87)	0.0% (0/80)	<0.001
10	17.6% (15/85)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	17.6% (15/85)	0.0% (0/80)	<0.001
11	49.4% (42/85)	0.3% (1/364)	<0.001	2.5% (2/80)	0.3% (1/364)	0.032	49.4% (42/85)	2.5% (2/80)	<0.001
12	41.9% (36/86)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	41.9% (36/86)	0.0% (0/80)	<0.001
13	14.9% (13/87)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	14.9% (13/87)	0.0% (0/80)	<0.001
14	20.0% (17/85)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	20.0% (17/85)	0.0% (0/80)	<0.001
15	49.4% (42/85)	0.3% (1/364)	<0.001	1.3% (1/80)	0.3% (1/364)	0.328	49.4% (42/85)	1.3% (1/80)	<0.001
16	40.2% (35/87)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	40.2% (35/87)	0.0% (0/80)	<0.001
17	13.5% (12/89)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	13.5% (12/89)	0.0% (0/80)	<0.001
18	15.3% (13/85)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	15.3% (13/85)	0.0% (0/80)	<0.001
19	42.2% (35/85)	0.3% (1/364)	<0.001	0.0% (0/80)	0.3% (1/364)	>0.999	42.2% (35/85)	0.0% (0/80)	<0.001
20	31.5% (28/89)	0.3% (1/364)	<0.001	0.0% (0/80)	0.3% (1/364)	>0.999	31.5% (28/89)	0.0% (0/80)	<0.001
21	11.5% (10/87)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	11.5% (10/87)	0.0% (0/80)	0.002
22	13.1% (11/84)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	13.1% (11/84)	0.0% (0/80)	0.001
23	40.5% (34/84)	0.5% (3/364)	<0.001	0.0% (0/80)	0.5% (3/364)	0.450	40.5% (34/84)	0.0% (0/80)	<0.001
24	34.1% (30/88)	0.0% (0/364)	<0.001	0.0% (0/80)	0.0% (0/364)	>0.999	34.1% (30/88)	0.0% (0/80)	<0.001

B) Sclerosis

R	axSpA vs. controls			non-axSpA LBP vs. controls			axSpA vs. non-axSpA LBP		
	axSpA	controls	p	Non-axSpA	controls	p	axSpA	Non-axSpA	p
1	10.8% (10/93)	3.0% (11/364)	0.004	18.8% (15/80)	3.0% (11/364)	<0.001	10.8% (10/93)	18.8% (15/80)	0.193
2	5.4% (5/93)	1.1% (4/364)	0.020	3.8% (3/80)	1.1% (4/364)	0.114	5.4% (5/93)	3.8% (3/80)	0.727
3	31.2% (29/93)	2.7% (11/364)	<0.001	16.3% (13/80)	2.7% (11/364)	<0.001	31.2% (29/93)	16.3 (13/80)	0.032
4	37.6% (35/93)	5.5% (20/364)	<0.001	13.8% (11/80)	5.5% (20/364)	0.014	37.6% (35/93)	13.8% (11/80)	<0.001
5	11.8% (11/93)	3.6% (13/364)	0.003	17.5% (14/80)	3.6% (13/364)	<0.001	11.8% (11/93)	17.5% (14/80)	0.386
6	6.5% (6/93)	0.8% (3/364)	0.003	2.5% (2/80)	0.8% (3/364)	0.222	6.5% (6/93)	2.5% (2/80)	0.289
7	35.5% (33/93)	1.6% (6/364)	<0.001	12.5% (10/80)	1.6% (6/364)	<0.001	35.5% (33/93)	12.5% (10/80)	0.001
8	28.0% (26/93)	4.9% (18/364)	<0.001	17.5% (14/80)	4.9% (18/364)	<0.001	28.0% (26/93)	17.5% (14/80)	0.174
9	0.0% (0/92)	0.3% (1/364)	>0.999	1.3% (1/80)	0.3% (1/364)	0.328	0.0% (0/92)	1.3% (1/80)	0.465
10	2.2% (2/92)	0.0% (0/364)	0.040	0.0% (0/80)	0.0% (0/364)	>0.999	2.2% (2/92)	0.0% (0/80)	0.500
11	27.2% (25/92)	0.5% (2/364)	<0.001	0.0% (0/80)	0.5% (2/364)	0.450	27.2% (25/92)	0.0% (0/80)	<0.001
12	27.2% (25/92)	0.8% (3/364)	<0.001	1.3% (1/80)	0.8% (3/364)	0.448	27.2% (25/92)	1.3% (1/80)	<0.001
13	0.0% (0/92)	0.5% (2/364)	>0.999	1.3% (1/80)	0.5% (2/364)	0.550	0.0% (0/92)	1.3% (1/80)	0.465
14	3.3% (3/92)	0.0% (0/364)	0.008	0.0% (0/80)	0.0% (0/364)	>0.999	3.3% (3/92)	0.0% (0/80)	0.249
15	23.9% (22/92)	0.8% (3/364)	<0.001	1.3% (1/80)	0.8% (3/364)	0.550	23.9% (22/92)	1.3% (1/80)	<0.001
16	23.9% (22/92)	1.9% (7/364)	<0.001	2.5% (2/80)	1.9% (7/364)	0.668	23.9% (22/92)	2.5% (2/80)	<0.001
17	2.1% (2/94)	0.3% (1/364)	0.108	1.3% (1/80)	0.3% (1/364)	0.328	2.1% (2/94)	1.3% (1/80)	>0.999
18	1.1% (1/93)	0.8% (3/364)	>0.999	2.5% (2/80)	0.8% (3/364)	0.222	1.1% (1/93)	2.5% (2/80)	0.596
19	14.0% (13/93)	0.8% (3/364)	<0.001	2.5% (2/80)	0.8% (3/364)	0.222	14.0% (13/93)	2.5% (2/80)	0.012
20	12.8% (12/94)	0.0% (0/364)	<0.001	1.3% (1/80)	0.0% (0/364)	0.180	12.8% (12/94)	1.3% (1/80)	0.003
21	1.1% (1/94)	0.3% (1/364)	0.369	1.3% (1/80)	0.3% (1/364)	0.328	1.1% (1/94)	1.3% (1/80)	>0.999
22	2.2% (2/93)	1.4% (5/364)	0.635	2.5% (2/80)	1.4% (5/364)	0.615	2.2% (2/93)	2.5% (2/80)	>0.999
23	18.3% (17/93)	2.7% (10/364)	<0.001	3.8% (3/80)	2.7% (10/364)	0.712	18.3% (17/93)	3.8% (3/80)	0.003
24	16.0% (15/94)	0.5% (2/364)	<0.001	3.8% (3/80)	0.5% (2/364)	0.043	16.0% (15/94)	3.8% (3/80)	0.011

Supplement 1. Frequencies of lesions per region. Frequencies of different joint forms per groups, for the erosions (panel A) and sclerosis (panel B). Significantly ($p < 0.002$) higher frequencies are printed in bold. Absolute numbers vary because lesions were not assessed in case of ankylosis in the respective region. P-Values were computed from Chi² tests/Fisher's exact tests.