

**Additional file 1**

<b>Group</b>	<b>Multiplex-negative</b>	<b>Multiplex-positive</b>	<b>Total</b>
Reactive arthritis	6 (6%)	4 (11%)	10 (7%)
Gout	16 (16%)	6 (16%)	22 (16%)
Pseudogout	1 (1%)	0 (0%)	1 (1%)
Spondyloarthritis including psoriatic arthritis	45 (46%)	13 (35%)	58 (43%)
Osteoarthritis	15 (15%)	6 (16%)	21 (16%)
Lyme arthritis	1 (1%)	0 (0%)	1 (1%)
Paramalignant arthritis	0 (0%)	4 (11%)	4 (3%)
Sarcoidosis	0 (0%)	1 (3%)	1 (1%)
Mixed connective tissue disease, vasculitis	1 (1%)	0 (0%)	1 (1%)
Other systemic autoimmune diseases	5 (5%)	0 (0%)	5 (4%)
Remitting seronegative symmetrical synovitis with pitting edema	8 (8%)	2 (8%)	10 (7%)
Rest	0 (0%)	1 (3%)	1 (1%)
<b>Total</b>	<b>98 (100%)</b>	<b>37 (100%)</b>	<b>135 (100%)</b>