

**Supplementary Table 1.** Correlation between PSQI and the disease activity parameters

Parameters	Subjective sleep quality	Sleep latency	Sleep duration	Habitual sleep efficiency	Sleep disturbance	Use of sleeping medicine	Daytime dysfunction	Total PSQI
Fatigue	0.396**	0.307**	0.151	0.202*	0.269**	0.007	0.533**	0.465**
Total back pain	0.314**	0.162	0.122	-0.051	0.292**	0.158	0.336**	0.311**
Peripheral pain/swelling	0.302**	0.119	0.219*	0.032	0.234*	0.054	0.281**	0.297**
Enthesitis	0.257**	0.162	0.087	0.041	0.223*	0.215*	0.297**	0.298**
Level of morning stiffness	0.268**	0.183	0.193*	0.110	0.165	0.196*	0.369**	0.363**
Duration of morning stiffness	0.185	0.201*	0.147	0.039	0.099	0.217*	0.301**	0.297**
Patient global assess	0.192*	0.159	0.053	-0.049	0.209*	0.226*	0.307**	0.257**
ESR	0.068	-0.107	0.263**	-0.019	0.091	0.141	0.030	0.101
CRP	0.166	0.004	0.237*	-0.028	-0.002	0.311**	0.116	0.189
BASDAI	0.411**	0.260**	0.206*	0.083	0.315**	0.175	0.491**	0.469**
ASDAS-ESR	0.235*	0.060	0.253**	-0.025	0.238*	0.203*	0.277**	0.290**
ASDAS-CRP	0.315**	0.166	0.227*	-0.024	0.235*	0.269**	0.376**	0.373**

ASDAS: ankylosing spondylitis disease activity score, BASDAI: bath ankylosing spondylitis disease activity index, CRP: C-reactive protein, ESR: erythrocyte sedimentation rate; PSQI: Pittsburgh Sleep Quality Index. \*p<0.05, \*\*p<0.01.