

**Supplementary Table S4** Relationship between Dietary fiber intake and ASAS-HI

ASAS-HI	Dietary fiber intake			
	Low		High	
<b>Crude Model</b>		$\beta$	95%CI	P-value
FBD symptoms (+)	ref	-2.6	(-4.2, -1.0)	<0.01
FBD symptoms (-)	ref	-0.7	(-2.0, 0.7)	0.31
Total	ref	-1.4	(-2.5, -0.4)	<0.01
<b>Model I</b>				
FBD symptoms (+)	ref	-1.9	(-3.6, -0.2)	0.03
FBD symptoms (-)	ref	-1.0	(-2.6, 0.6)	0.23
Total	ref	-1.4	(-2.6, -0.2)	0.02
<b>Model II</b>				
FBD symptoms (+)	ref	-2.1	(-4.0, -0.1)	0.04
FBD symptoms (-)	ref	-0.6	(-2.1, 0.9)	0.44
Total	ref	-1.2	(-2.4, 0.0)	0.05

Model I adjusted for: sex; age; lnCRP; BMI

Model II adjusted for: sex; age; CM-use; NSAID-use; BMI; lnESR; lnCRP

Missing data, n (%): CRP 8 (5.2%), ESR 10 (6.5%), FBD 12 (7.3%). BMI: body mass index; CRP: C-reactive protein; ESR: erythrocyte sedimentation rate; ASAS HI: Assessment of Spondyloarthritis International Society Health Index; FBD: functional bowel disorder; NSAID: nonsteroidal anti-inflammatory drug; CM: Chinese medicine