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Expression of sterile-a and armadillo motif in rheumatoid arthritis monocytes correlates with TLR2 induced IL-1 β and disease activity

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	IL-1 β			DAS28		
Variables	B Coefficient	95% CI	p-value	B Coefficient	95% CI	p-value
SARM1	-56.276	-90.286 to -22.266	0.003	-321.080	-545.616 to -96.544	0.008
PYCARD	-0.068	-0.320 to 0.183	0.575	0.399	-1.010 to 1.809	0.558
CASP1	-0.070	-0.363 to 0.223	0.620	-1.802	-3.375 to -0.228	0.027
NLRP3	0.085	-0.452 to 0.622	0.743	-0.955	-3.219 to 1.310	0.386
(Constant)	2.842	2.145 to 3.540	<0.001	9.249	5.642 to 12.856	<0.001

Supplementary Table S1: Multivariable linear regression of IL-1 β or DAS28 with *SARM1*, *PYCARD*, *CASP1* and *NLRP3*. The multivariable linear regression analysis was performed with the log10 transformed IL-1 β data. Abbreviations: IL-1 β , interleukin-1 β ; DAS28, disease activity score 28; CI, Confidence Interval.

Supplementary Figure S1. TLR1/2 induced IL-1 β secretion and *SARM1* expression are not influenced by glucocorticoid or methotrexate treatment in RA monocytes. (A) IL-1 β secretion measured following 24h of stimulation with 100ng/ml Pam3CSK4 (n=28) and (B) *SARM1* basal expression (n=31) was measured in RA monocytes and compared between RA patients with or without methotrexate or glucocorticoid treatment.

Supplementary Figure S2. *SARM* expression does not correlate with LPS or R-848 induced IL-1 β secretion in RA monocytes. IL-1 β secretion was measured following 24h of stimulation with (A) 10ng/ml LPS or (B) 2 μ g/ml R-848 and correlated with the basal expression of *SARM1* (n=17) in monocytes from RA patients.