

**Supplementary Table 4.** Correlation between fecal calprotectin level with blood immunological markers in Parkinson's disease and multiple system atrophy

Blood biochemical and immunological markers	Parkinson's disease		Multiple system atrophy	
	$r_s$	$p$ -value	$r_s$	$p$ -value
White cell count	0.401	0.052	0.256	0.339
Neutrophil count	0.311	0.148	0.282	0.289
Lymphocyte count	0.119	0.590	0.059	0.829
Monocyte count	0.417	0.048*	0.212	0.431
Eosinophil count	0.542	0.008*	-0.283	0.288
Erythrocyte sedimentation rate	0.020	0.929	0.029	0.914
C-reactive protein	-0.010	0.962	0.273	0.273
Caspase-1	-0.195	0.349	-0.226	0.339
Interferon- $\gamma$	-0.155	0.458	-0.140	0.556
Interleukin-1 $\beta$	-0.178	0.395	-0.126	0.596
Interleukin-4	0.305	0.138	-0.226	0.339
Interleukin-6	0.125	0.550	-0.164	0.490
Interleukin-17	-0.443	0.027*	-0.182	0.443
Matrix metalloproteinase-3	0.241	0.246	-0.233	0.323
Nuclear factor- $\kappa$ B	0.260	0.209	-0.233	0.323
Tumor necrosis factor- $\alpha$	0.007	0.974	-0.105	0.659

Spearman's rank correlation coefficient, denoted as  $r_s$  in the table. \*denotes correlation is significant at the 0.05 level (2-tailed).