## SUPPLEMENTARY TABLES

### Supplementary Table 1. Demographic and clinical characteristics of RA patients and HC.

| Parameter                        | RA (n=32)   | HC (n=20)   |
|----------------------------------|-------------|-------------|
| Age                              | 45.3±9.6    | 44.6±8.3    |
| Female, %                        | 89.1        | 91.5        |
| Duration of symptoms, weeks      | 24.4±10.6   |             |
| Rheumatoid factor positive, %    | 70.5        |             |
| Anti-CCP positive, %             | 67.1        |             |
| DAS28                            | 5.1±0.8     |             |
| Swollen joint count              | 12.1±5.3    |             |
| ESR (mm/h)                       | 39.5±10.7   |             |
| CRP (mg/L)                       | 18.1±10.1   |             |

### Supplementary Table 2. Human primers used for real-time quantitative PCR.

| Gene | Primer sequence                  |
|------|----------------------------------|
| β-actin | sense 5′ CCACACTGTGCCCATCTACG 3′  |
|       | anti-sense 5′ AAGATCTCTCATGAGTGACAGTGCA 3′ |
| IL-6  | sense 5′ TCTGGCTTTCTCACACTTCTG 3′ |
|       | anti-sense 5′ GGGCCCTGGCTCTGTCTG 3′ |
| IL-17 | sense 5′ AAGGCCGTTCTCCATCA 3′     |
|       | anti-sense 5′ ATGATGCCTTAATTACAGTGGA 3′ |
| IL-1β | sense 5′ GCCGGAACGCCGTAAGTGGA 3′  |
|       | anti-sense 5′ GCCGGAACGCCGTAAGTGGA 3′ |
| TNF-α | sense 5′ GAGGCCCTGGAGTGAAGTGGA 3′  |
|       | anti-sense 5′ GAGGCCCTGGAGTGAAGTGGA 3′ |
| MMP-1 | sense 5′ GGCTGATGGGAAACC 3′       |
|       | anti-sense 5′ GGCTGATGGGAAACC 3′ |
| MMP-3 | sense 5′ TGCCATTTGCTTCAACTCC 3′   |
|       | anti-sense 5′ TGCCATTTGCTTCAACTCC 3′ |
| MMP-9 | sense 5′ TGCTTTCCATAGGTACCCTTG3′  |
|       | anti-sense 5′ TGCTTTCCATAGGTACCCTTG3′ |