

Table S1 ELISA kits and antibody used in this study

Agents	Brand	Catalog	Country
Mice IL1b ELISA Kit	ELK Biotechnology	ELK1272	China
Mice IL6 (Interleukin 6) ELISA Kit	ELK Biotechnology	ELK1158	China
NFKB-P65 rabbit antibody	CST Inc.	6956	China
c-jun rabbit antibody	Abcam	Ab40766	China
HRP gout-anti-mice antibody	Aspen	AS1107	China

ELISA, Enzyme linked immunosorbent assay.

Table S2 Ingredients of Juanbi recipe recorded in books of traditional Chinese medicines

Herb names	<i>Yang's Family Recipe</i>	<i>Yan's Ji Shi Recipe</i>	<i>Wei's Family Recipe</i>	<i>Yi Xue Xin Wu</i>	<i>Song Ya Zun Sheng</i>	<i>Yi Zong Jin Jian</i>	Summary
Angelicae Sinensis Radix	★	★	★	★	★	★	★★★★★★
Notopterygii Rhizoma Et Radix	★	★	★	★	★	★	★★★★★★
Licorice	★	★		★	★	★	★★★★★★
Saposhnikoviae Radix	★	★	★	★	★		★★★★★
Hedysarum Multijugum Maxim	★				★	★	★★★
Curcumaelongae Rhizoma		★		★	★		★★★
Coicis Semen			★		★		★★
Atractylodes Macrocephala Koidz			★		★		★★
Aconiti Lateralis Radix Praeparata					★	★	★★
Paeoniae Radix Alba	★				★		★★
Cinnamomi Ramulus					★	★	★★
Poria Cocos Wolf		★					★
Folium Artemisiae Argyi					★		★
Radix Paeoniae Rubra					★		★
Gentiana Macrophylla Pall				★			★
Radix Angelicae Biseratae				★			★
Ramulus Mori				★			★
Chuanxiong Rhizoma				★			★
Olibanun				★			★
Aucklandiae Radix				★			★

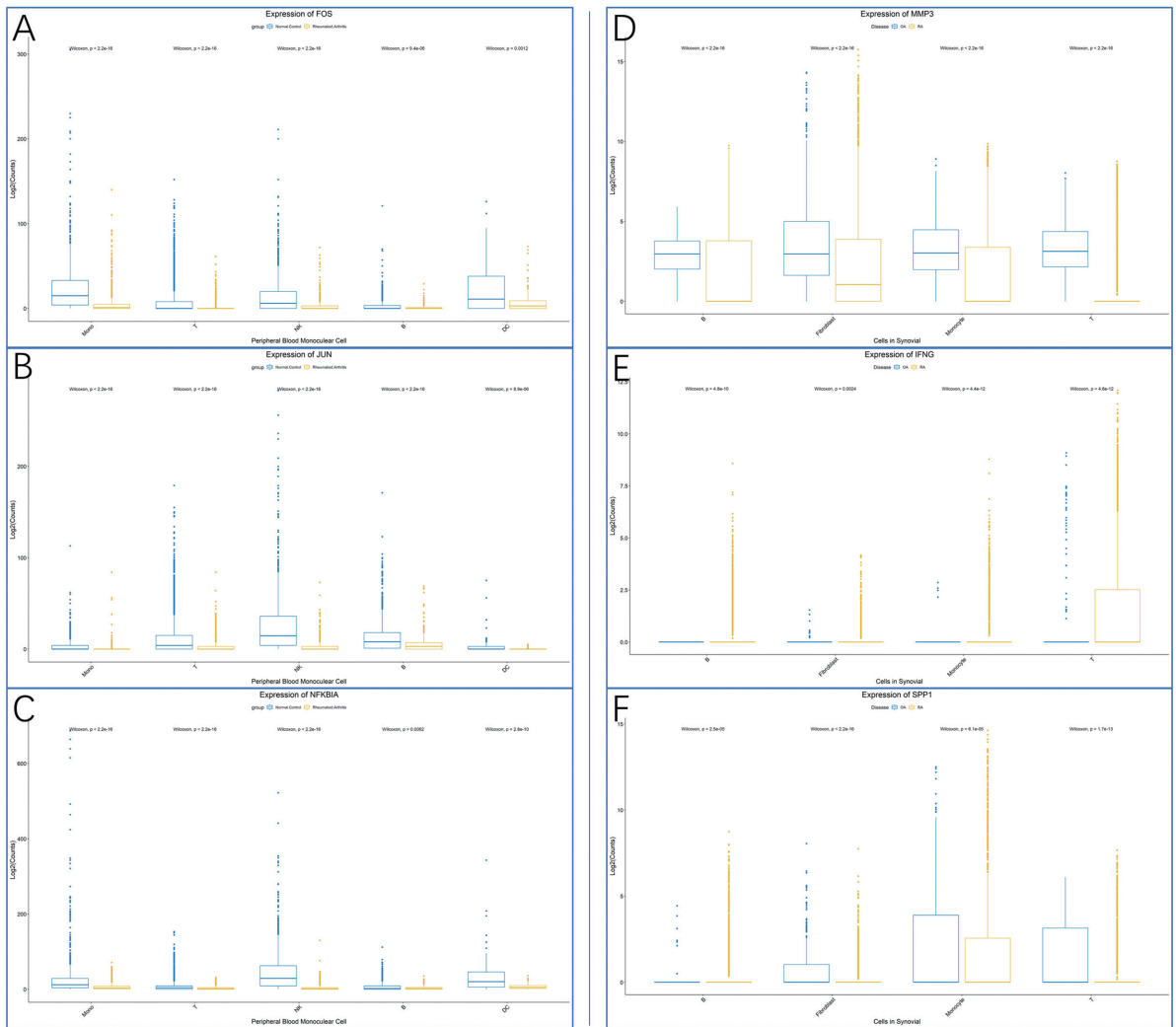


Figure S1 The expressions of core target genes in all cell clusters. *FOS* (A), *JUN* (B), and *NFKB1A* (C) were significantly expressed in all clusters of PBMCs. *MMP3* (D), *IFNG* (E), and *SPP1* (F) were significantly expressed in all clusters of synovial cells. RA, rheumatoid arthritis; OA, osteoarthritis.