		(Illumina HT-12)
Patients with early RA Blood & urine taken 3 monthly		Small RNA seque (Illumina Hiseq 2500)
	Blood	Flow cytometry: (T cells/B cells/NK cell cells/Monocytes & DO Total 127 parameters
	y	Proteomics (SOMAscan®)
	Urine	Metabolomics (NMR)
		Autoantibody pro (SeroTag®)
		Genetics

Gene expression (Illumina HT-12)	Whole Blood, PBMC, CD4 ⁺ cells, CD8 ⁺ cells, CD14 ⁺ cells
Small RNA sequencing (Illumina Hiseq 2500)	Whole Blood
Flow cytometry: (T cells/B cells/NK cells /T _{reg} cells/Monocytes & DCs Total 127 parameters)	PBMC
Proteomics (SOMAscan®)	Plasma
Metabolomics (NMR)	Plasma Urine
Autoantibody profiling (SeroTag®)	Serum
Genetics	Whole Blood

(Illumina CoreExome array Illumina iScan)

Supplementary Figure S4: RA-MAP core technologies. For the TACERA study, biological samples were acquired at every 3-monthly study visit and shipped to academic laboratory hubs for processing and storage. Subsequently, samples were distributed to specialist units for analysis using the platforms shown.