

Supplementary Table SI. Basic information of the 7 selected subjects selected for LC-MS

Code	Sex	Age	Clinical diagnose	RF (0–15.9 IU/ml)	ACPA (0–17 U/ml)	Albumin (40–55 g/l)
H-1	Female	75	Type 2 diabetes, hyperlipidemia	ND	ND	ND
H-2	Female	87	Hypertension, recovery period of cerebral infarction, coronary atherosclerotic heart disease, osteoporosis	ND	ND	ND
H-3	Female	73	Joint pain, hypertension, type 2 diabetes, coronary atherosclerotic heart disease	10.5	7	ND
RA-1	Female	82	Rheumatoid arthritis, renal calculi	802	> 500	37
RA-2	Female	75	Rheumatoid arthritis, post-mastectomy, affection of thyroid nodule, osteoporosis	778	340.8	44
RA-3	Female	81	Rheumatoid arthritis, osteoporosis, hypertension, coronary atherosclerotic heart disease, pulmonary nodules	458	288.2	41
Subject	Female	74	Interstitial pneumonia with infection, AA amyloidosis, cardiac dysfunction, renal insufficiency, secondary hyperfibrinolysis, and citruinated-fibrinogenemia with hypodysfibrinogenemia	55.7	>500	30

ND – not detected, RF – rheumatoid factor, ACPA – anti-cyclic citruinated peptide antibody.