**Appendix 2.** List of additional markers measured from blood plasma

Measured in samples from Cohort6000 and Cohort1000

-Endotoxemia markers: lipopolysaccharides (LPSs), zonulin, inflammation cytokines (e.g. TNFalpha, IL1, IL6, IL8) (measured in HUS, Finland)

Measured in samples from Cohort1000

-Rheumatic Diseases (RD) markers from blood: C-reactive protein, rheumatoid factor, cyclic citrullinated peptide IgG