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## ACCEPTED MANUSCRIPT

## Characteristic glycopeptides associated with extreme human longevity identified through plasma glycoproteomics

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Abbreviations: ALB, albumin; ANOVA, analysis of variance; CRP, C-reactive protein; ECA, *Erythrina cristagalli*; GOT, glutamic oxaloacetic transaminase; GPT, glutamic pyruvic transaminase;  $\gamma$ GTP,  $\gamma$ -glutamyl transpeptidase; HB, haemoglobin; HCC, hepatocellular carcinoma; IL-6, interleukin-6; LC, liver cirrhosis; LC/MS, liquid chromatography/mass spectrometry; OPLS-DA, orthogonal projections to latent structures discriminant analysis; PHAL, *Phaseolus vulgaris*; PLT, platelet; RBC, red blood cell; SSCs, Semi-supercentenarians; TNF- $\alpha$ , tumour necrosis factor- $\alpha$ ; TP, total protein; WBC, white blood cell.

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