

Plasma proteome profiling reveals molecular mechanisms underlying the effects of daily consumption of 'Bahia' and 'Cara Cara' orange juices

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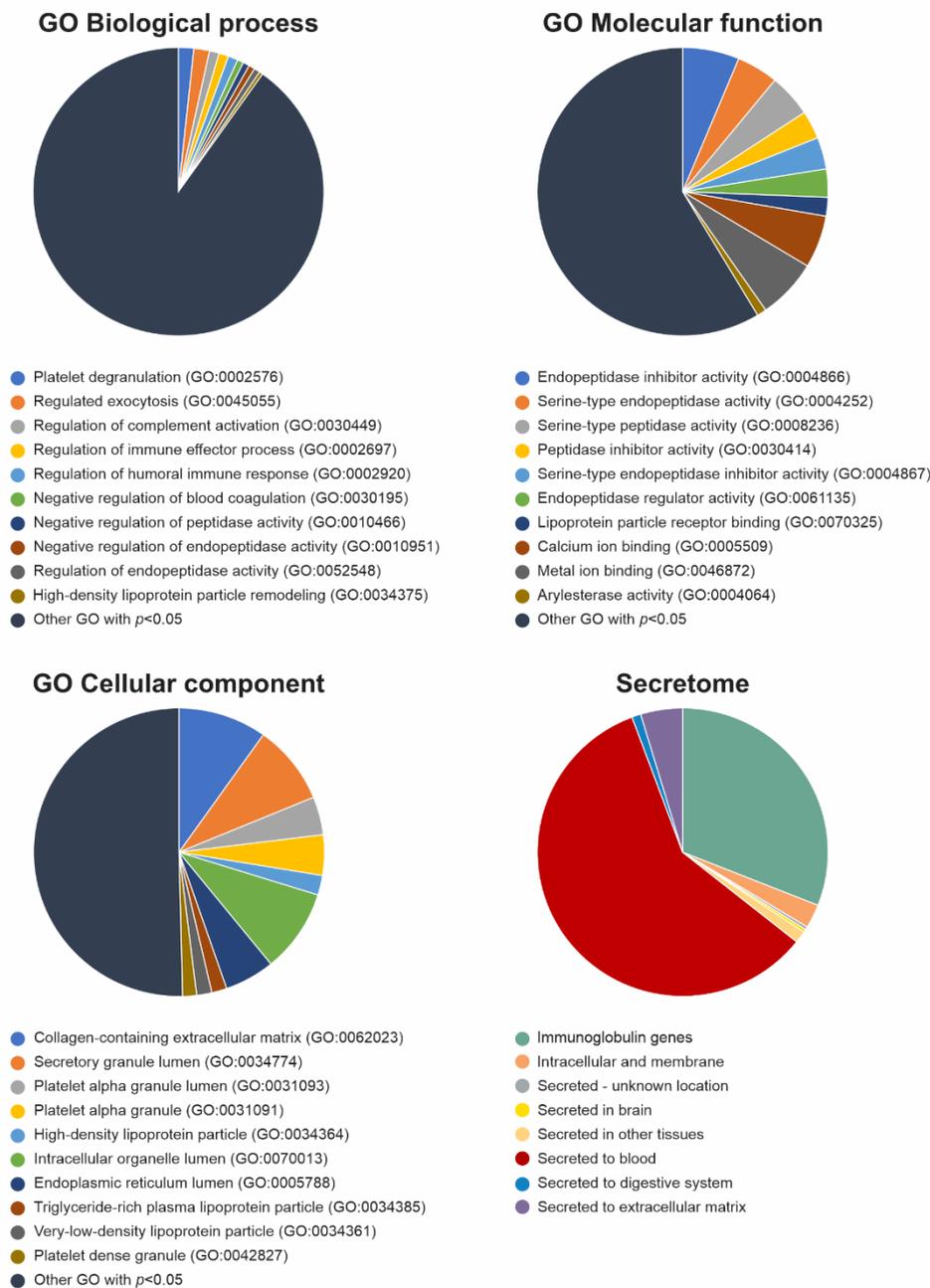


Fig. S1 Annotation of the global plasmatic proteome. Gene ontology (GO) enrichment analysis ($n = 387$ proteins) and secretome ($n = 300$ proteins). All proteins were assigned to at least one GO term and were grouped into three main GO categories: Biological process; Molecular function; Cellular component. Top10 significantly enriched GO sub-categories ($p < 0.05$) are shown in the pie charts.

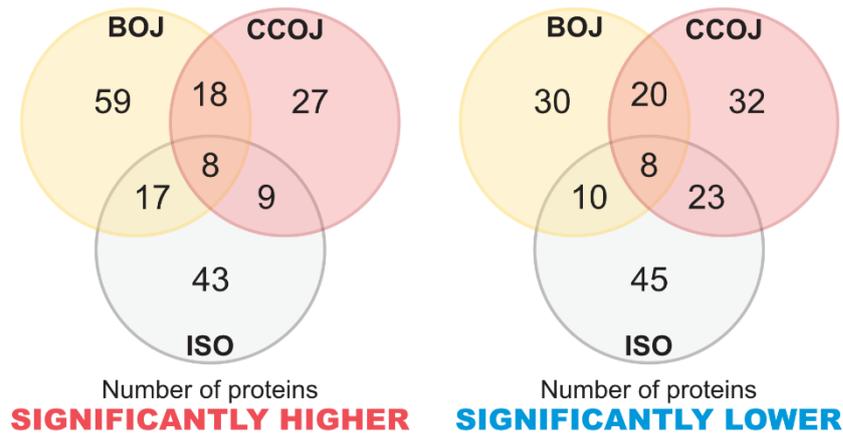
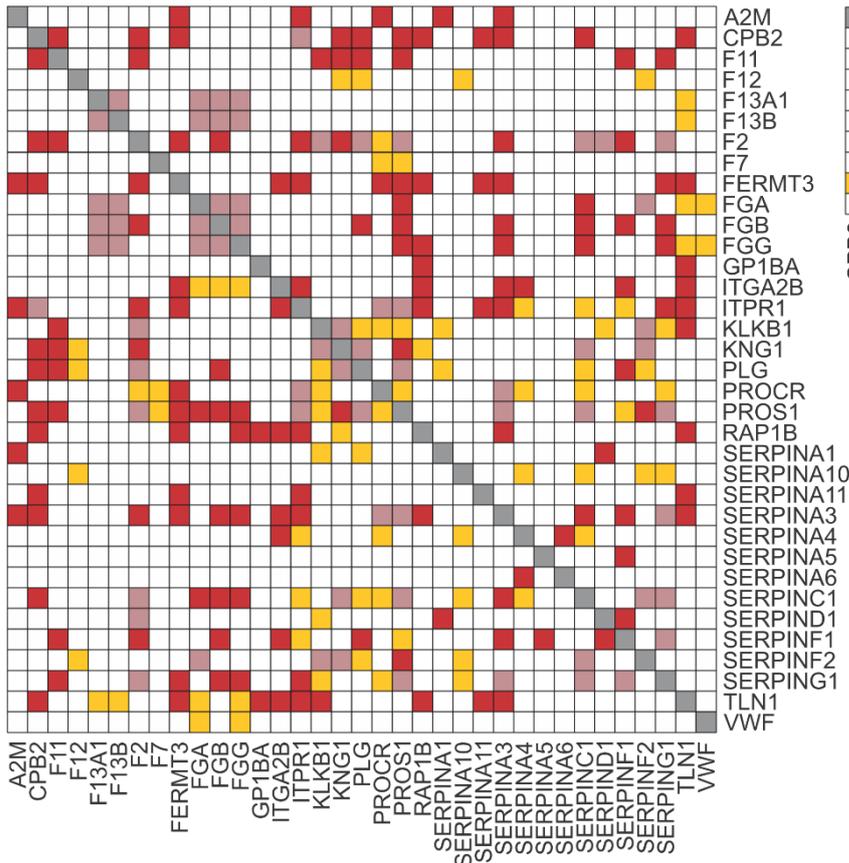


Fig. S2 Venn diagrams showing the overlap of the 247 significantly differentially expressed proteins among BOJ, CCOJ, and ISO studies. BOJ: 'Bahia' orange juice. CCOJ: 'Cara Cara' orange juice. ISO: isocaloric control drink.

POSITIVE CORRELATION



NEGATIVE CORRELATION



Fig. S3 Positive and negative correlation maps of coagulation-related proteins in BOJ and CCOJ studies. BOJ: 'Bahia' orange juice. CCOJ: 'Cara Cara' orange juice. A2M: alpha-2-macroglobulin. CPB2: carboxypeptidase B2. F2: coagulation factor 2 (prothrombin). F7: coagulation factor 7. F9: coagulation factor 9. F10: coagulation factor 10. F11: coagulation factor 11. F12: coagulation factor 12. F13A1: coagulation factor 13 A chain. F13B: coagulation factor 13 B chain. FERMT3: FERM domain containing kindlin 3. FGA: fibrinogen alpha chain. FGB: fibrinogen beta chain. FGG: fibrinogen gamma chain. GP1BA: glycoprotein Ib platelet subunit alpha. ITGA2B: integrin subunit alpha 2b. ITPR1: inositol 1,4,5-trisphosphate receptor type 1. KLKB1: kallikrein B1. KNG1: kininogen 1. PLG: plasminogen. PROC: protein C, inactivator of coagulation factors Va and VIIIa. PROCR: protein C receptor. PROS1: protein S. RAP1B: Ras-related protein 1B. SERPINA1: serpin family A member 1. SERPINA3: serpin family A member 3. SERPINA4: serpin family A member 4. SERPINA5: serpin family A member 5. SERPINA6: serpin family A member 6. SERPINA10: serpin family A member 10. SERPINA11: serpin family A member 11. SERPINC1: serpin family C member 1. SERPIND1: serpin family D member 1. SERPINF1: serpin family F member 1. SERPINF2: serpin family F member 2. SERPING1: serpin family G member 1. TLN1: talin 1. VWF: von Willebrand factor.