

SUPPLEMENT

Soloveva N.A., Novikova S.E., Farafonova T.E., Tikhonova O.V., Zgoda V.G., Archakov A.I.
(2024) Proteome of plasma extracellular vesicles as a source of colorectal cancer biomarkers.
Biomeditsinskaya Khimiya, **70**(5), 356-363.
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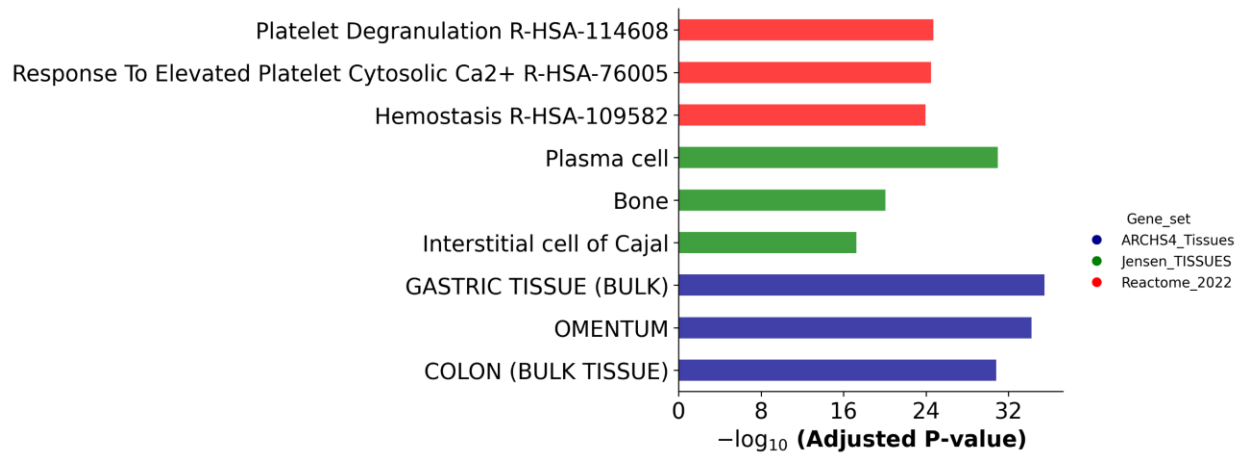


Figure S1. Biological annotation against the Reactome database (v. 2022) containing information on regulatory signaling pathways, as well as against the ARCHS4 repository (v. 8.0) containing data on mRNA expression in various tissues and organs, and the TISSUES (Jensen) repository (v. 2.0) storing transcriptome and proteome data on gene expression in various tissues and organs. Enrichment analysis was performed for 266 proteins detected only in our experimental data (in EV samples isolated from the blood plasma of CRC patients and healthy volunteers) in comparison with the list of blood plasma proteins available in the ProteinAtlas database (v. 23.0). The figure was built using the gseapy library (v. 1.1.3) in python v. 3.

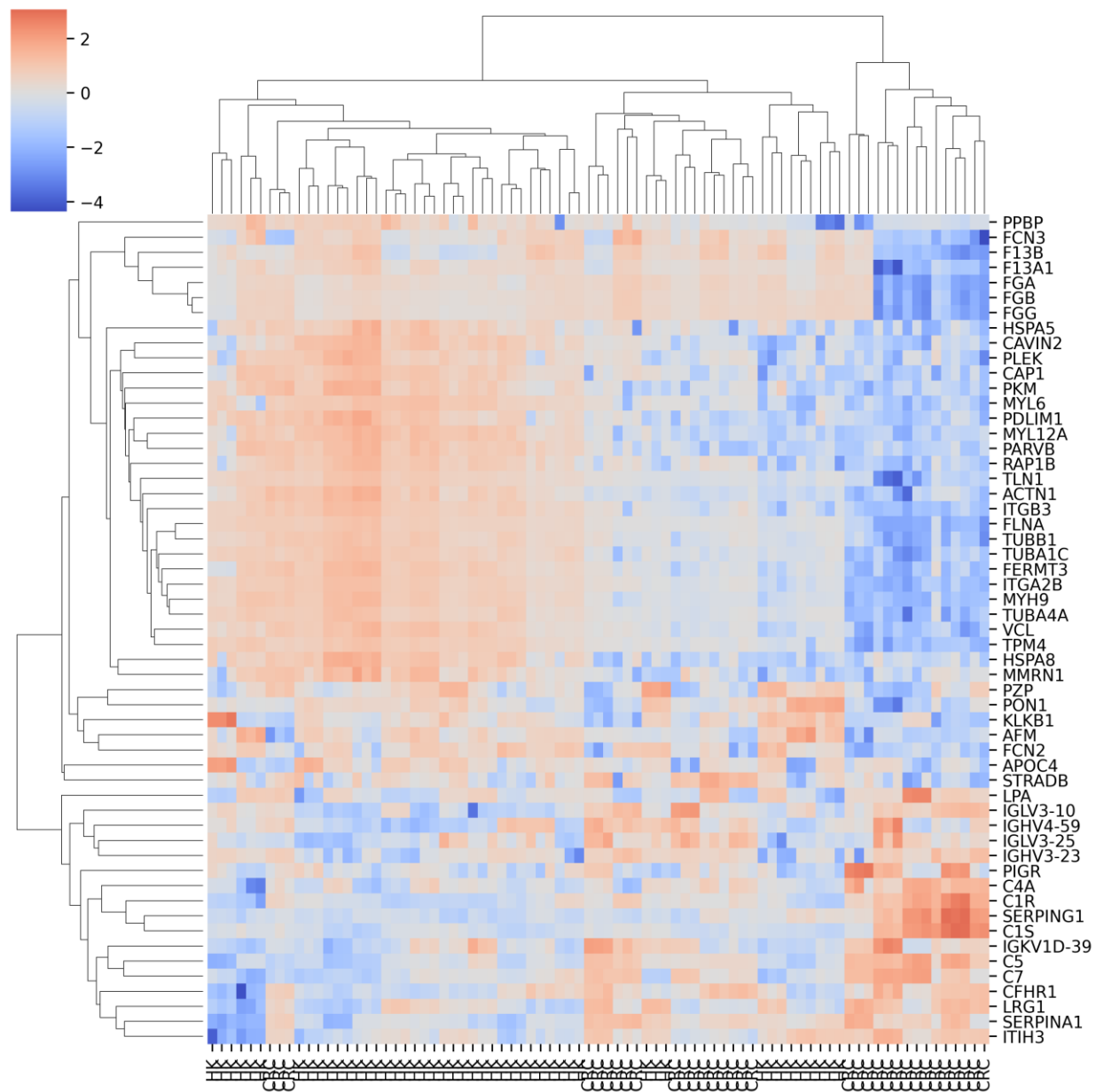


Figure S2. Heat map for proteins, which content significantly ($FC > 1.5$, $FDR = 0.01$) differed between the EV samples obtained from the blood plasma of patients with colorectal cancer (CRC) and healthy volunteers (HK).