SUPPLEMENTARY INFORMATION

A comparison of human and mouse protein corona profiles of functionalized SiO_2 nanoparticles nanocarriers

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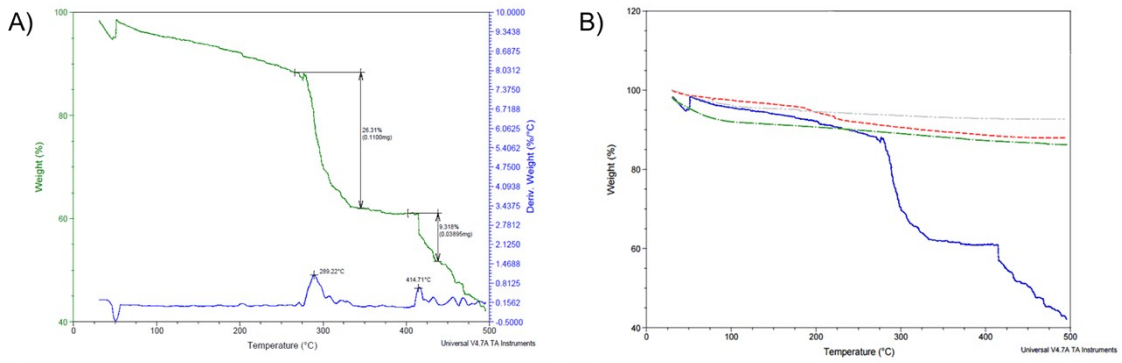
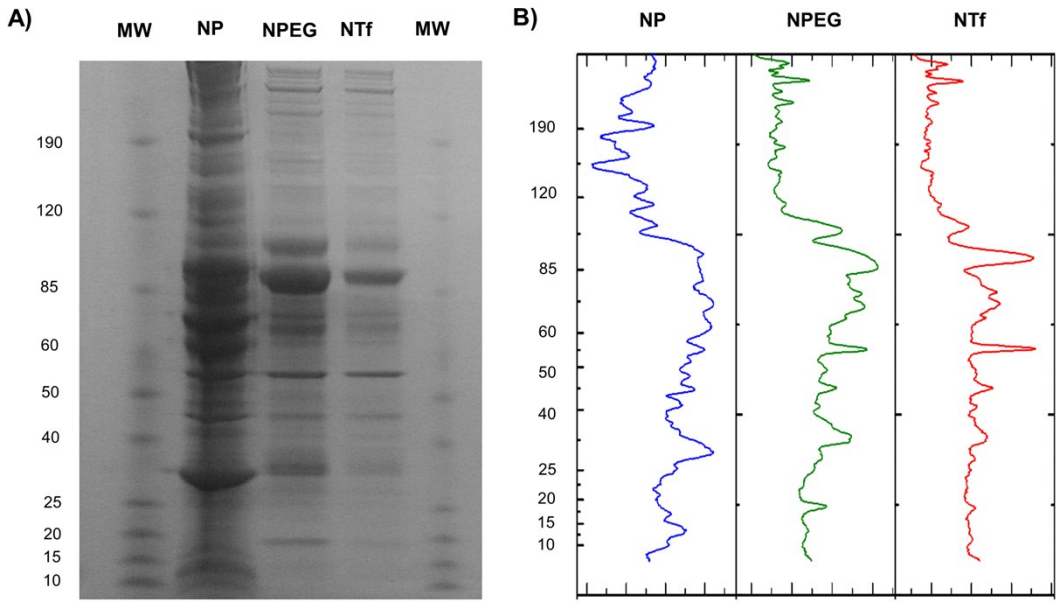
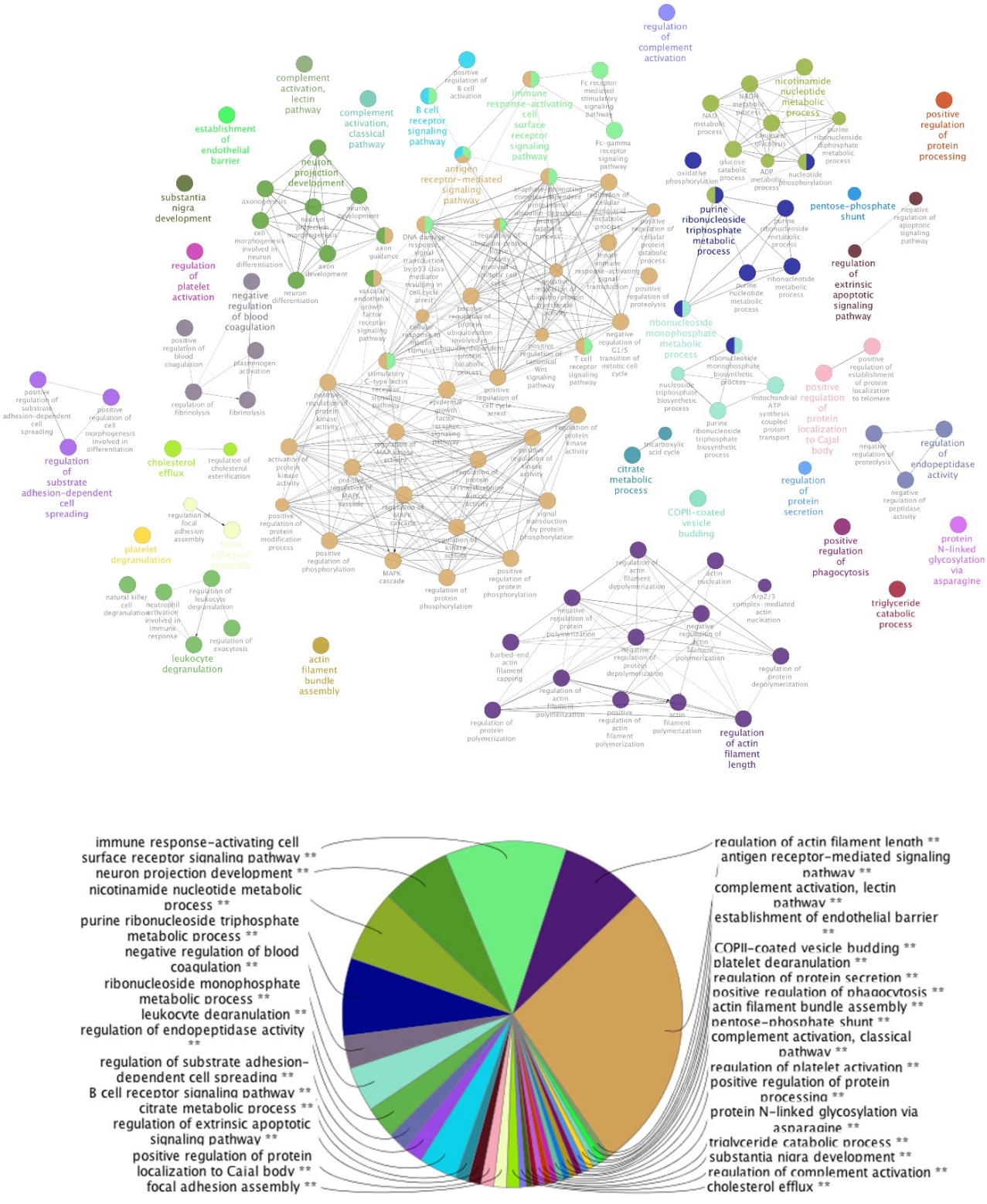


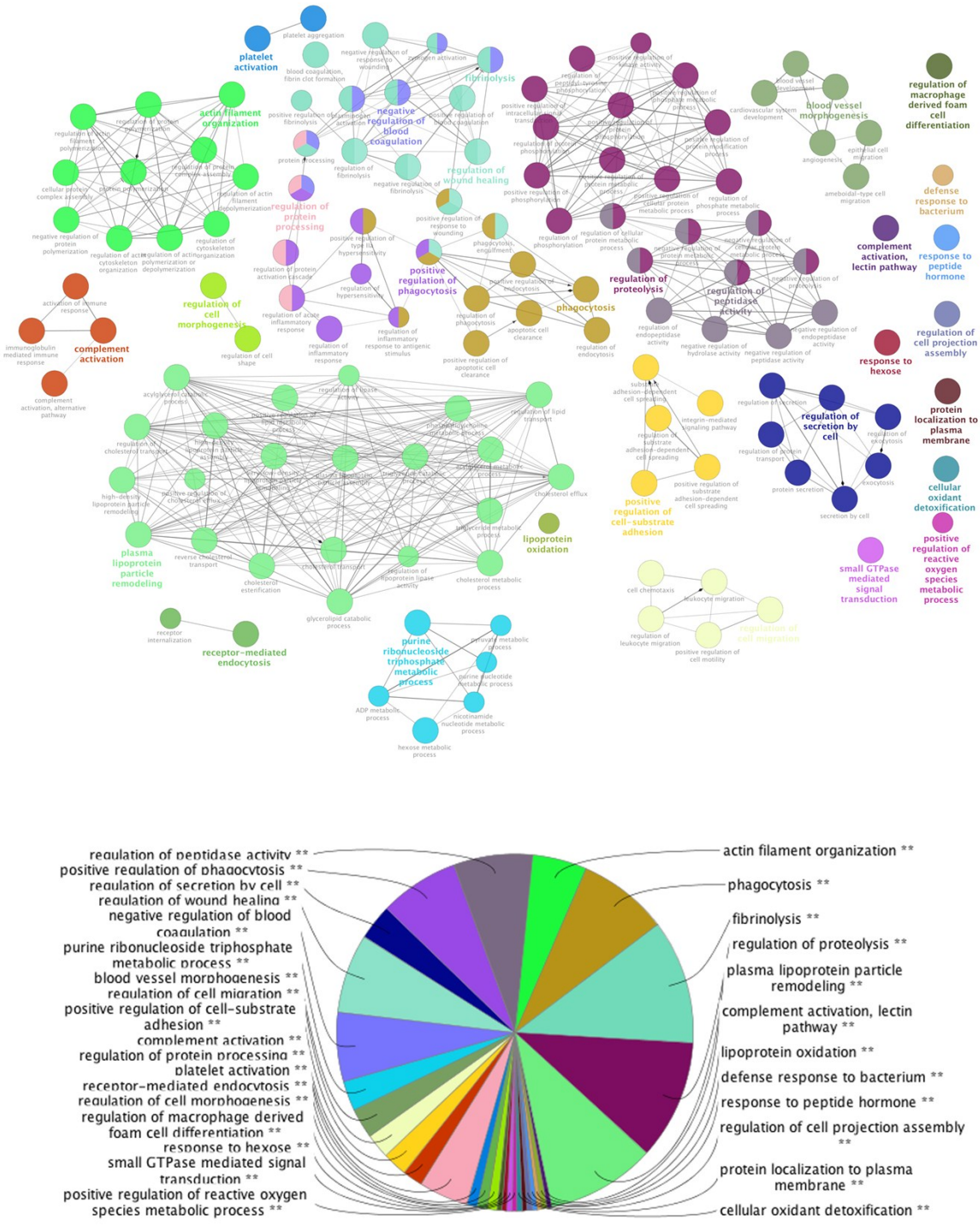
Supplementary Fig. S1. Characterization of functionalized SiO_2 NPs by thermogravimetric analysis. Presence of organic compounds were determined by the comparison of mass loss between: A) functionalized SiO_2 NPs and B) SiO_2 NPs (gray, red, and green lines) and functionalized SiO_2 NPs (blue line).



Supplementary Fig. S2. **PC profile on bare and functionalized SiO_2 NPs measured by gel electrophoresis.** The NPs were incubated with HP at 1 mg/ml for 30 min at 37 ºC. After 3 washes, the hard PC was resolved by: A) gel electrophoresis and B) densitometry analysis using Image J.



Supplementary Fig. S3. Network of enriched biological processes implicated in HPC. Identified proteins of HPC were classified into biological process: A) network of HPC profile using GO terms as nodes and linked using ClueGO analysis and B) corresponding colors for biological process.



Supplementary Fig. S4. Network of enriched biological processes implicated in MPC. Identified proteins of MPC were classified into biological process: A) network of MPC profile using GO terms as nodes and linked using ClueGO analysis and B) corresponding colors for the biological processes.