

Supplementary material 1: List of proteins present in TiO₂-NP-protein corona.

| S.No. | Uniprot ID | Protein name |
|-------|------------|--|
| 1. | P04433 | Immunoglobulin kappa variable 3-11 |
| 2. | P01624 | Immunoglobulin kappa variable 3-15 |
| 3. | P0C0L4 | Complement C4-A |
| 4. | P0DOX2 | Immunoglobulin alpha-2 heavy chain |
| 5. | P0DOX5 | Immunoglobulin gamma-1 heavy chain |
| 6. | P0DOX8 | Immunoglobulin lambda-1 light chain |
| 7. | P0DOY2 | Immunoglobulin lambda constant 2 |
| 8. | P00738 | Haptoglobin |
| 9. | P01024 | Complement C3 |
| 10. | P01876 | Immunoglobulin heavy constant alpha 1 |
| 11. | P02647 | Apolipoprotein A-I |
| 12. | P02768 | Albumin |
| 13. | P02787 | Serotransferrin |
| 14. | P04004 | Vitronectin |
| 15. | P04264 | Keratin, type II cytoskeletal 1 |
| 16. | P35527 | Keratin, type I cytoskeletal 9 |
| 17. | Q8WU66 | Thrombospondin-type laminin G domain and EAR repeat-containing protein |
| 18. | Q9UHR6 | Zinc finger HIT domain-containing protein 2 |

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