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Supplementary Information for

Modulating the permeability of the ferritin channels

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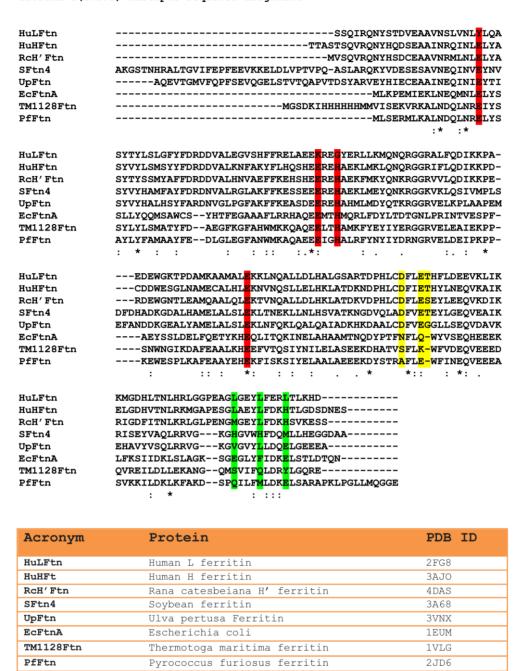


Figure S1. Amino acid sequence alignment prepared with Clustal Omega. Red bars highlight the residues acting as iron ligands in the ferroxidase site, yellow bars the main residues located at the inner edge of the C3 channels and green bars those at the inner edge of the C4 channels. The selected ferritins represents structurally characterized examples of proteins from divergent branches of the ferritin phylogenetic tree (1).

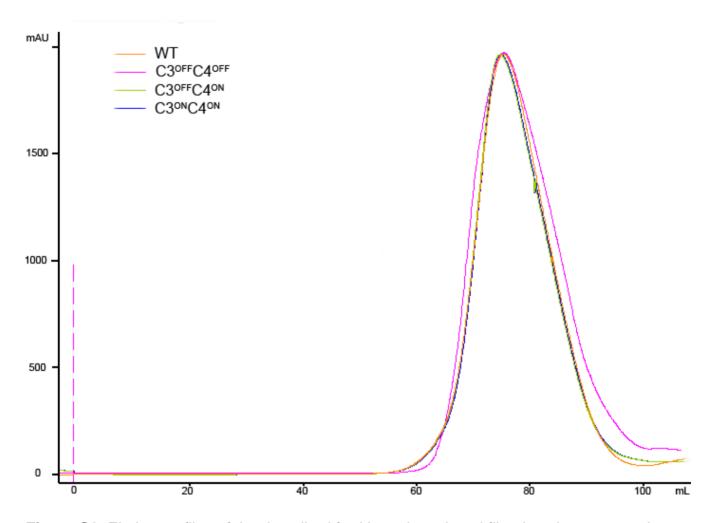


Figure S2. Elution profiles of the described ferritin variants in gel filtration chromatography obtained using a Superdex 200 16/60 column

1 A. Marchetti, M.S. Parker, L.P. Moccia, E.O. Lin, A.L. Arrieta, F. Ribalet, M.E. Murphy, M.T. Maldonado and E.V. Armbrust, *Nature*, 2009, **457**, 467.