
Supplementary information

**Structure of hepcidin-bound ferroportin
reveals iron homeostatic mechanisms**

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authors and unedited

Supplementary Table 1: Molecular dynamics simulations

Condition	Number of Simulations	Duration (μ s)	Notes
Iron absent	6	2.2 (each)	No iron was added
Iron bound	6	2.2 (each)	A single Fe^{2+} ion was placed in the proposed binding site initially
Iron in bulk solvent	6	2.2 (each)	15 Fe^{2+} ions were placed randomly in solution initially

Supplementary Table 2: Steady-state kinetic constants

	K _m (μ M)	V _{max} ($\Delta F \text{ s}^{-1}$)
<i>Liposome-FPN</i>		
FeCl ₂	13.6 +/- 2.93	-0.00269 +/- 0.00025
CoCl ₂	33.5 +/- 9.84	-0.00339 +/- 0.00011
<i>Liposome-FPN + 1.25 mM CaCl₂ (internal)</i>		
CoCl ₂	6.10 +/- 1.55	-0.00246 +/- 0.000065
<i>Liposome-FPN-Fab45D8.1</i>		
CoCl ₂	4.68 +/- 0.537	-0.00240 +/- 0.000075