

SUPPLEMENTARY MATERIAL

Figure S1. Species distribution diagrams for $\text{Ins}(1,3,4,5,6)P_5$ in the presence of Na^+ excess, in 0.15 M Me_4NCl , and 37.0 °C. $[\text{Ins}(1,3,4,5,6)P_5] = 1 \text{ mM}$, $[\text{Na}^+] = 100 \text{ mM}$.

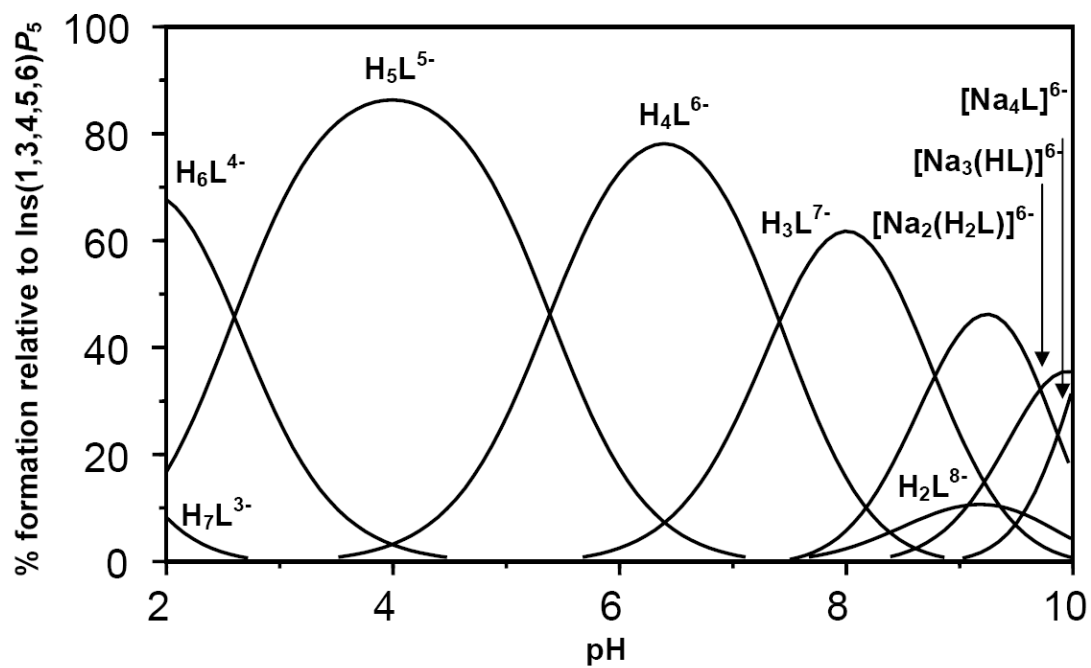


Figure S2. Species distribution diagram for $\text{Ins}(1,3,4,5,6)\text{P}_5$ in the presence of Cu^{2+} , in 0.15 M Me_4NCl and 37.0 °C. $[\text{Ins}(1,3,4,5,6)\text{P}_5] = 1 \text{ mM}$, $[\text{Cu}^{2+}] = 1 \text{ mM}$.

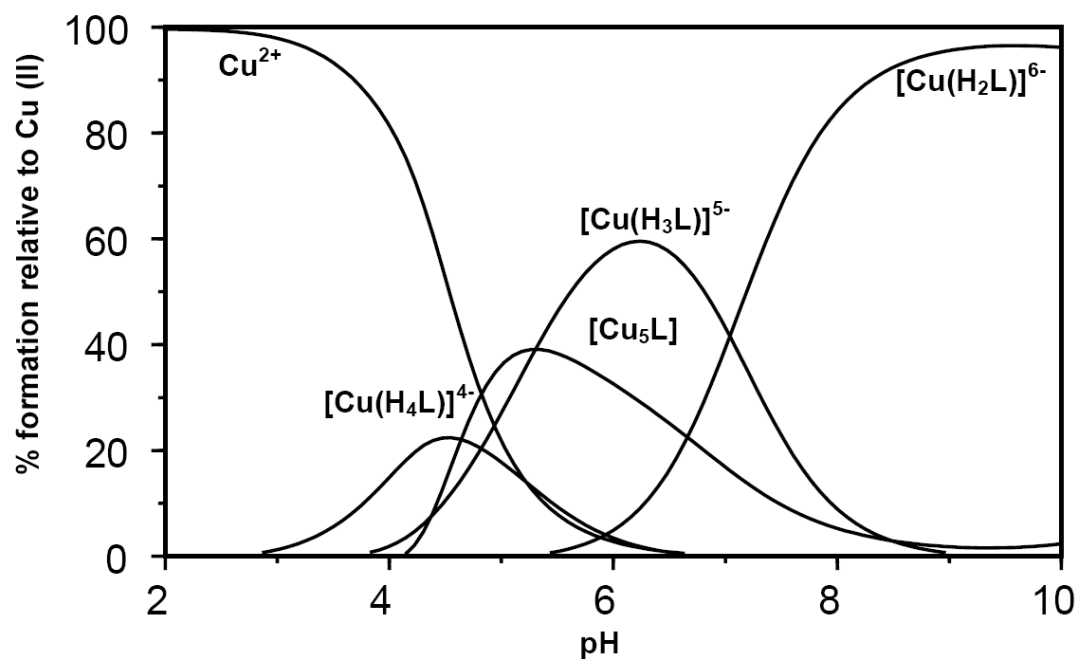


Figure S3. Species distribution diagram for Ins(1,3,4,5,6) P_5 in the presence of Fe^{2+} , in 0.15 M Me_4NCl and 37.0 °C. $[Ins(1,3,4,5,6)P_5] = 1$ mM, $[Fe^{2+}] = 1$ mM.

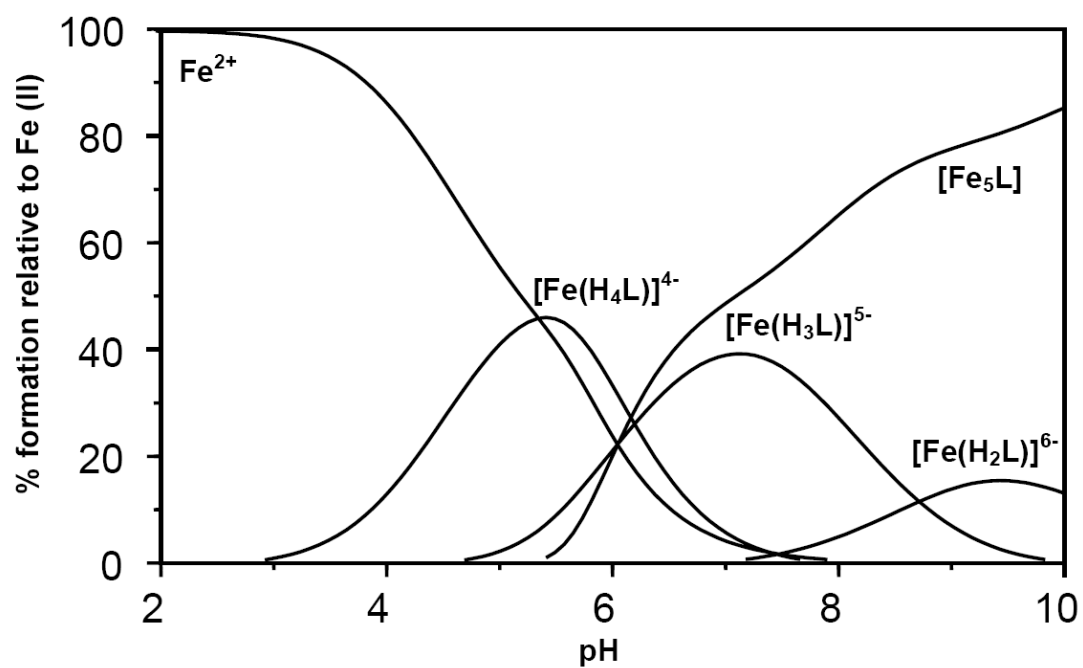


Figure S4. Comparative behaviour of $\text{Ins}(1,2,3)P_3$, $\text{Ins}(1,3,4,5,6)P_5$ and $\text{Ins}P_6$. Quotient between bound ligand to unbound ligand vs. pH in 0.15 M Me_4NCl , and 37.0 °C. $[\text{Ins}P_x] = 1 \text{ mM}$, $[\text{K}^+] = 100 \text{ mM}$.

