Table 1: Steady-State Kinetic and Metal Content Data for FL-L1[a]

enzyme	k_{cat} (s^{-1})	K_m (μM)	metal content (equiv)
FL-L1 with Mn[b]	13 ± 1	5 ± 1	0.3 Mn/0.4 Fe/0.6 Zn(II)
FL-L1 with Zn(II)[b]	28 ± 2	6 ± 1	0.1 Fe/1.9 Zn(II)
FL-L1 with Fe[b]	3.6 ± 0.1	6 ± 1	0.9 Fe/0.3 Zn(II)
FL-L1 in LB medium[c]	26 ± 1	4 ± 1	1.9 ± 0.1 Zn(II)
FL-L1 in minimal medium[c]	10 ± 1	4 ± 1	0.4 Fe/0.3 Zn(II)

[a] Substrate used in the kinetic studies was nitrocefin, and kinetic studies were conducted as described in Materials and Methods. [b] L1 was overexpressed in minimal medium containing 50 μM of the indicated metal ion as described in Materials and Methods. [c] L1 was overexpressed in minimal or LB medium without adding any additional metal ions.