

Supplementary Table 1.

| Metal            | $K_D$<br>(M)                  |
|------------------|-------------------------------|
| Cd <sup>2+</sup> | $5.8 \pm 0.62 \times 10^{-7}$ |
| Co <sup>2+</sup> | $5.2 \pm 0.45 \times 10^{-8}$ |
| Cu <sup>2+</sup> | No binding                    |
| Fe <sup>2+</sup> | No binding                    |
| Fe <sup>3+</sup> | No binding                    |
| Mg <sup>2+</sup> | No binding                    |
| Mn <sup>2+</sup> | $3.6 \pm 0.3 \times 10^{-7}$  |
| Ni <sup>2+</sup> | $4 \pm 0.37 \times 10^{-6}$   |
| Zn <sup>2+</sup> | $2.9 \pm 0.25 \times 10^{-7}$ |