**Table S2. Summary of SOD1 stability profiles.**

Tm (oC) values are presented as a mean ± SD (n=3).

|  |  |  |
| --- | --- | --- |
| **SOD1 variant** | **Apparent Tm** **(metallated)** | **Apparent Tm** **(demetallated with EDTA)** |
| **33m** |
| wtSOD1 | 75.5 ± 0.1  | 56.0 ± 0.0 |
| G93A | 68.7 ± 0.1 | 54.1 ± 0.0 |
| G37R | 69.6 ± 0.1 | 55.5 ± 0.0 |
| A4V | 70.8 ± 0.1 | 50.9 ± 0.1 |
| **11m** |
| wtSOD1 | 73.8 ± 0.0 | 54.2 ± 0.1 |
| G93A | 67.8 ± 0.1 | 52.7 ±0.0 |
| G37R | 68.7 ± 0.0 | 53.7 ± 0.0 |
| A4V | 69.7 ± 0.0 | 51.4 ± 0.2 |