

**Rational engineering of *Thermus thermophilus* cytochrome c₅₅₂
to thermally tolerant artificial peroxidase**

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Supporting Materials

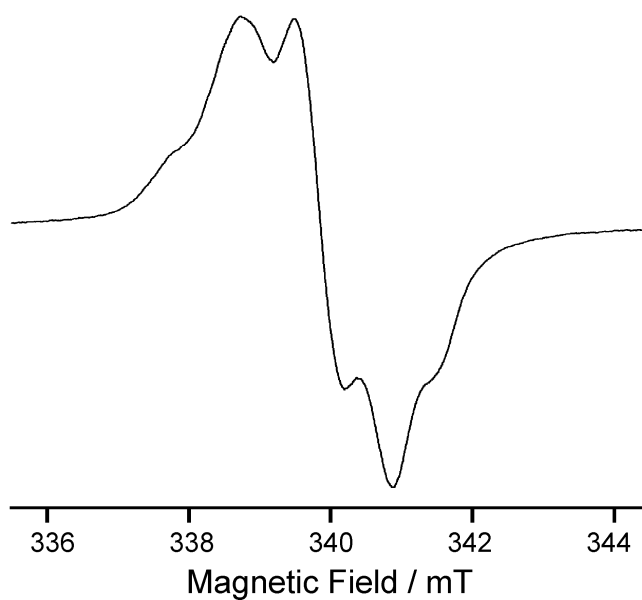


Figure S1. EPR spectrum of the protein radical intermediate formed in W91F/V49D/M69A. The spectrum was recorded at 10 K, microwave power 0.5 mW; field modulation 0.2 mT; modulation frequency 100 kHz.

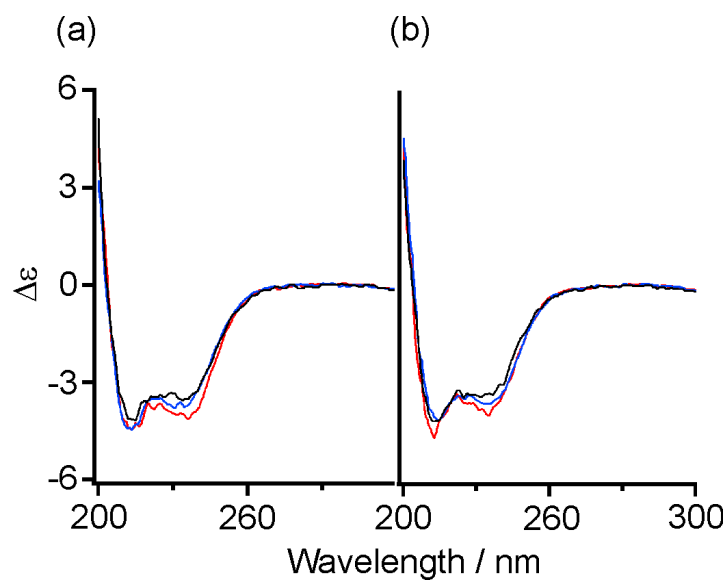


Figure S2. The CD spectra of V49D/M69A (black line), Y45F/V49D/M69A (blue line), and Y45W/V49D/M69A (red line) recorded at 25°C (a) and after incubation at 70°C for 1200 s (b) in the buffer solution (2×10^{-5} M MES-NaOH buffer (pH 5.0)).