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 2 **FIG. S5. Neither Tat-rMsrA nor non-active Tat-rMsrA alone has perceptible effects on**
 3 **ESR signals and luminescence intensity in Fenton system. (A)** ESR spectra of the spin
 4 adduct of OH• radical observed during the reaction of 0.5 mM H₂O₂ containing 30 mM PBN
 5 and 0.2 mM FeSO₄ with Tat-rMsrA or non-active Tat-rMsrA (n = 5). (a) Control, containing
 6 H₂O₂, FeSO₄ and PBS; (b) As in (a) in the presence of non-active Tat-rMsrA (1 μM); (c) As
 7 in (a) in the presence of Tat-rMsrA (1 μM); (d) The levels of ESR peak intensity were
 8 expressed as a relative change in comparison with the untreated control, which was set to
 9 100%. **(B)** The effect of Tat-rMsrA or non-active Tat-rMsrA (1 μM) alone on
 10 luminol-enhanced chemiluminescence was assessed (n = 4). Data are expressed as mean ±
 11 SEM.

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