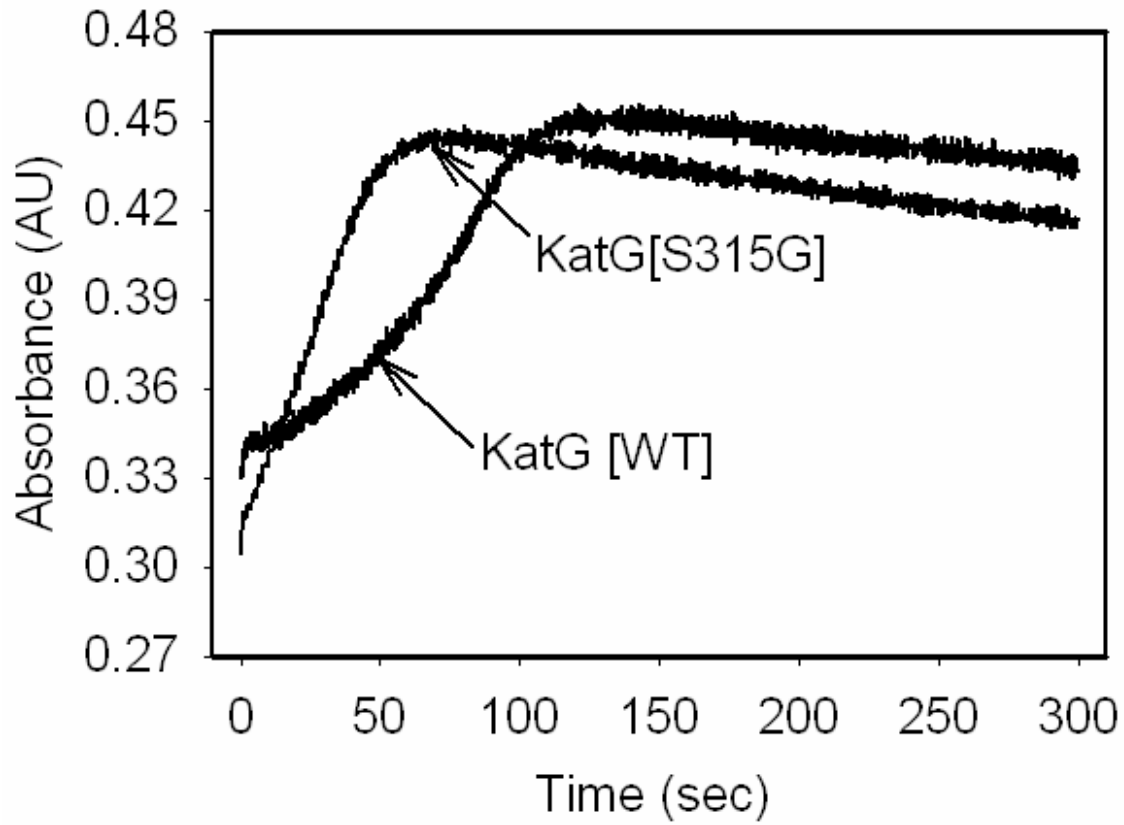


Supplemental figures

Supplemental figure 1. Optical stopped flow double mixing reaction of KatG[WT] and KatG[S315G] with peroxide (PAA, 2 s delay, PAA). Absorbance vs. time traces at 407 nm are shown beginning after the second mixing step.



Supplemental Figure 2: RFQ-EPR of KatG [S315G] treated with 3-fold molar excess of PAA. Resting enzyme (100 μM final) was mixed with PAA (300 μM final) and freeze-quenched after 250 ms. This signal is due to a peroxy radical.

