Supplemental Information

Supplemental Figure S1. CD spectra of C3larvinA WT and variants. (A) WT, black; Δ Y2-A21, red; Δ Y2-D23, med blue; Δ Y2-K25, green; Δ Y2-D27, magenta; Δ Y2-A30, orange; ΔY2-K33, navy blue; ΔY2-W34, wine. (B) WT, black; D23A, magenta; A31L, gray; I153A. red; Y178A, mid blue: F24A/A31L/W34A, D23A/K25A/D27A/R28A, olive. (C) WT, black; \(\Delta W34K2A, \) red; K36E, mid blue; K36A, magenta. Purified C3larvinA WT and catalytic variants were dialyzed into buffer containing 250 mM NaF and 10 mM Tris-HCl, pH 7.5. A JASCO J-815 CD spectropolarimeter (JASCO-USA, Silver Spring, USA) was used to acquire the circularly polarized spectra of C3larvinA WT and variant proteins (0.16 mg/mL) at 25°C in a 1 mm pathlength cuvette by scanning from 250 - 190 nm for a total of 9 scans from which an average spectrum was calculated.





