



Additional file 4. Detection of IgM anti-dsDNA antibody in PBS, SA-C3d, pp65₃₈₆₋₄₀₃ and pp65₄₂₂₋₄₃₉ immunized sera. (a) ELISA assay for IgM anti-dsDNA antibody activity from pp65₄₂₂₋₄₃₉ ($n=9$), pp65₃₈₆₋₄₀₃ ($n=9$), SA-C3d ($n=5$) and PBS ($n=5$) immunized mice sera. 250x diluted sera were used in ELISA assays for anti-dsDNA reactivity. (b) Representatives of *Crithidia luciliae* stain by sera from pp65₄₂₂₋₄₃₉ mice sera at dilution of 1:80. White arrowheads indicate dsDNA positive stains. (c) Numbers of *Crithidia luciliae* positive animals at 4, 8 and 14 weeks post immunization. These results are representative of triplicated experiments. Data are presented as the mean \pm SEM of three independent experiments