

**Supplementary Figure 1**. Study subjects aged 18–49 years old were each vaccinated with a licensed seasonal influenza vaccine. Each study year new subjects were enrolled and received one of the following vaccines: Fluzone, Flucelvax, or Flublok. Blood samples were collected at day 0 prior to vaccination, and day 7, day 14, day 28, and day 180 post vaccination. Time points where PBMCs and plasma were collected are represented as purple circles. Sera for HAI assays were sampled at day 0 and day 28, represented by green circles. In this study, samples from day 0 and day 14 were analyzed, represented by black squares. Created with BioRender.com.