



Supplementary Fig. 3. Predictive check for the vedolizumab final population pharmacokinetic model: Study CCT-101 (A) and Study CCT-001 (B). Distributions of simulated vedolizumab trough concentrations at nominal times during induction and maintenance therapy within each individual are compared with the actual observed distribution of trough values from the population pharmacokinetic dataset for Studies CCT-001 and CCT-101. All nominal sampling times were troughs with the exception of the Week 10 sample which was obtained at any time during the visit. Observed and simulated distributions were compared using quantile-quantile (QQ) plots. The 500 dataset replicates were simulated and QQ plots for each replicate are depicted by a solid blue line and are overlaid on the plot. The solid diagonal black line represents a reference line of identity. The dashed black vertical lines represent the 25th, 50th and 75th percentiles of the observed data at a given nominal study visit.