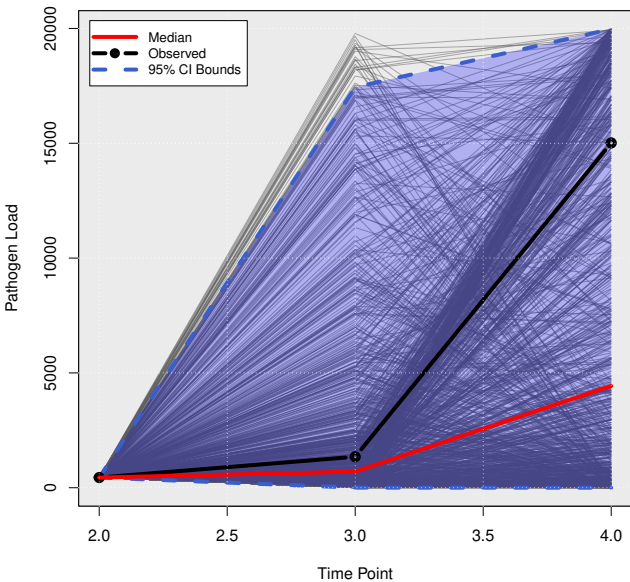
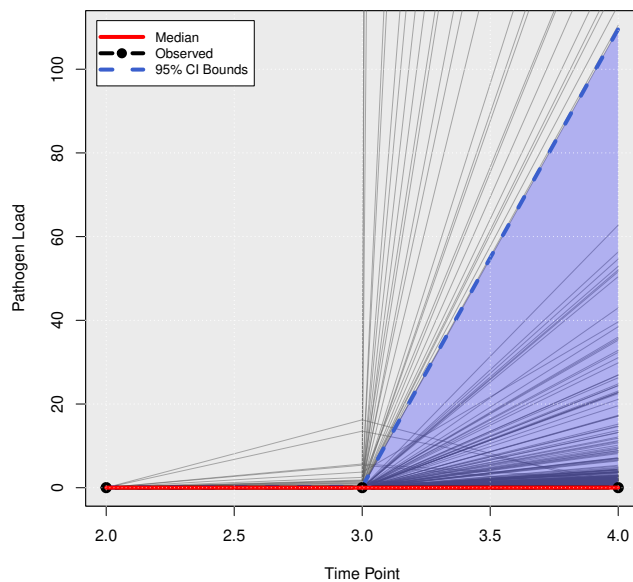


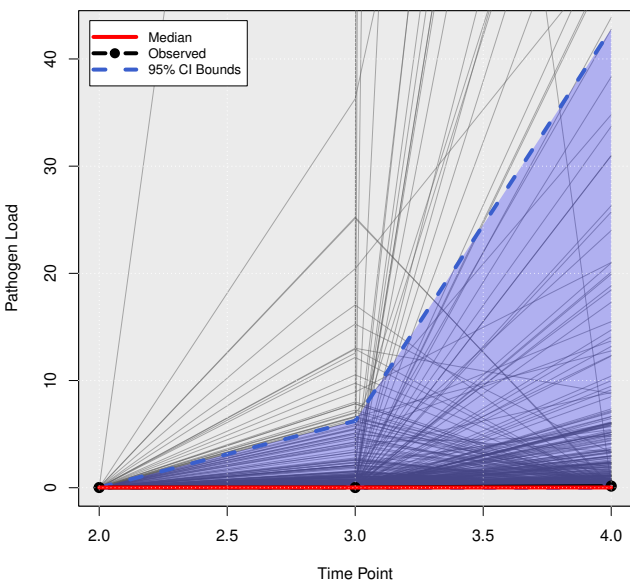
Predicted Pathogen Load for Subject 1



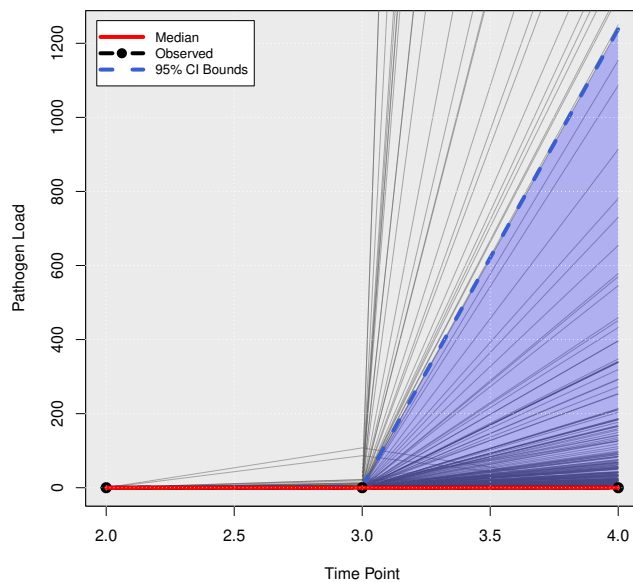
Predicted Pathogen Load for Subject 2



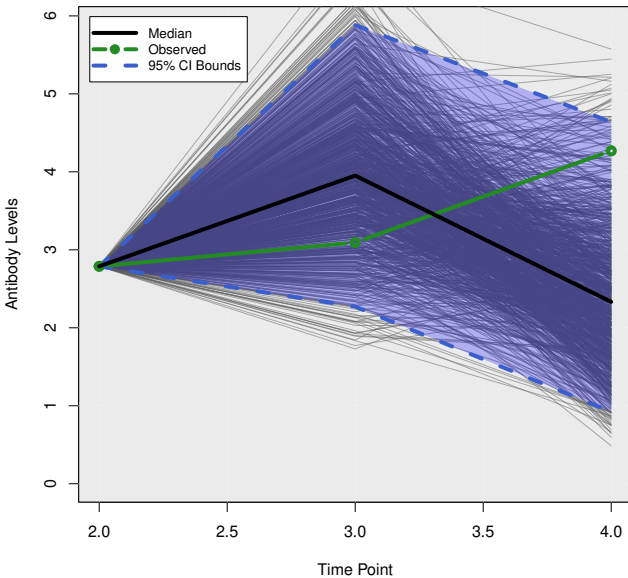
Predicted Pathogen Load for Subject 3



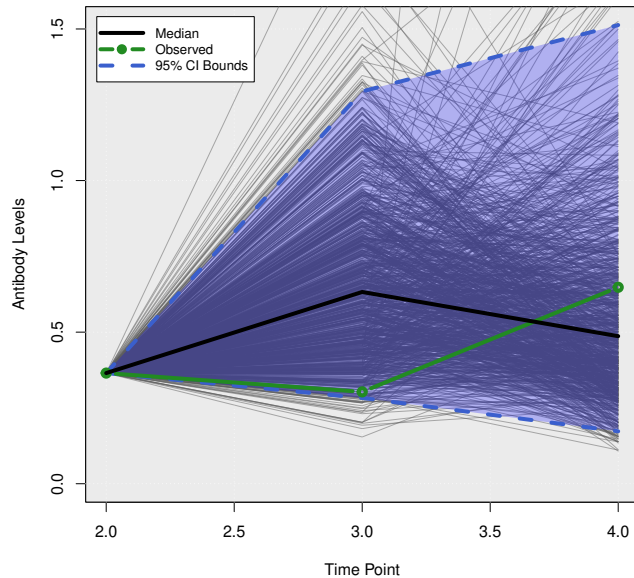
Predicted Pathogen Load for Subject 4



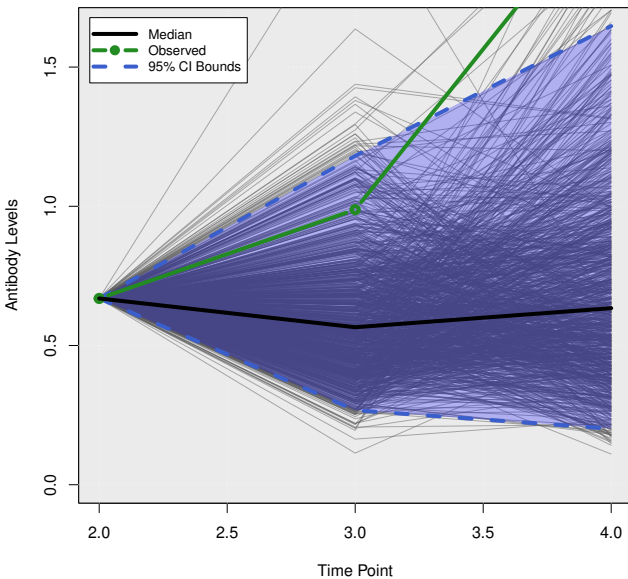
**Predicted Antibody Levels for Subject 1**



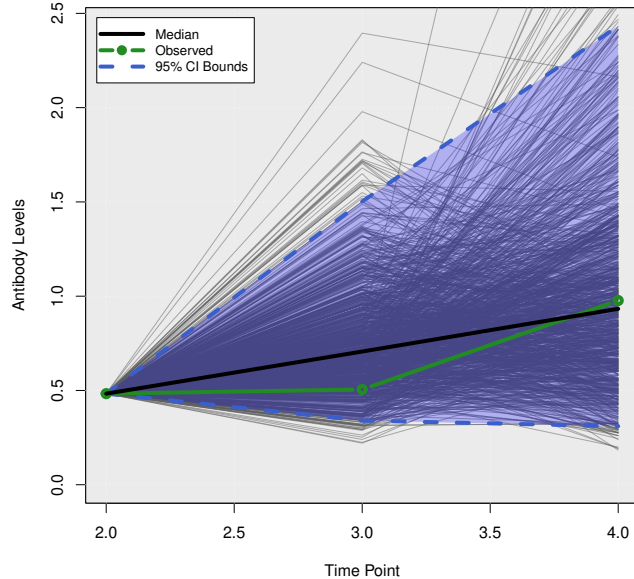
**Predicted Antibody Levels for Subject 2**



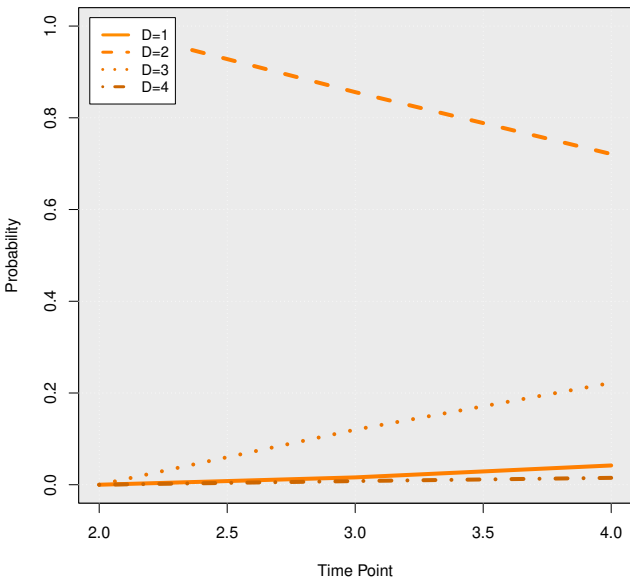
**Predicted Antibody Levels for Subject 3**



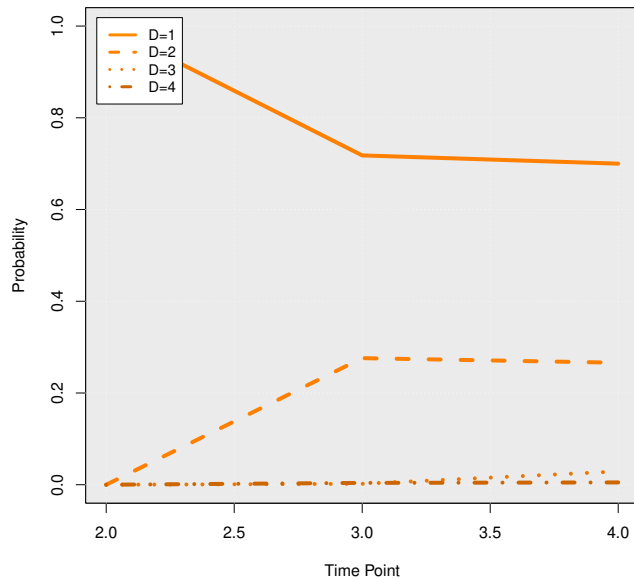
**Predicted Antibody Levels for Subject 4**



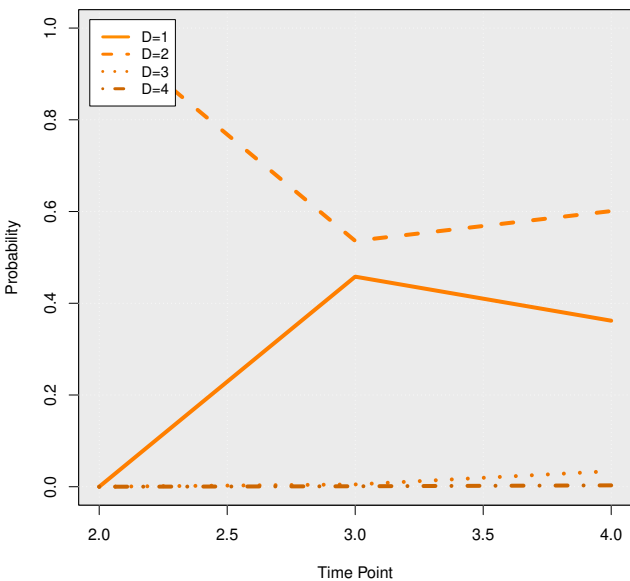
**Marginal Probabilities of Disease Status for Subject 1**



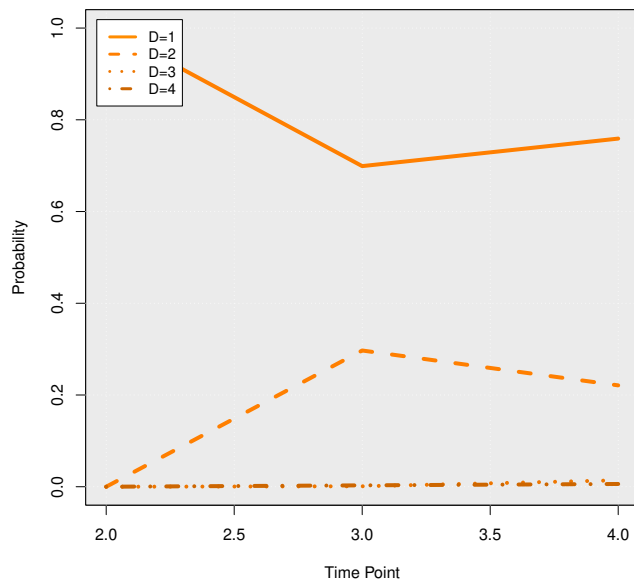
**Marginal Probabilities of Disease Status for Subject 2**



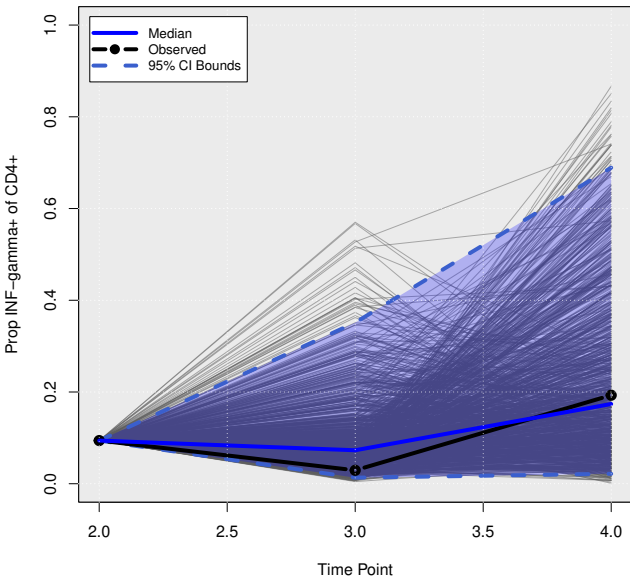
**Marginal Probabilities of Disease Status for Subject 3**



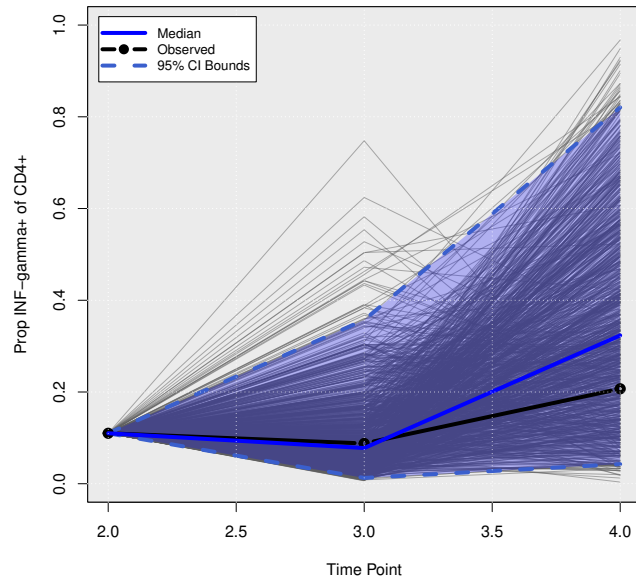
**Marginal Probabilities of Disease Status for Subject 4**



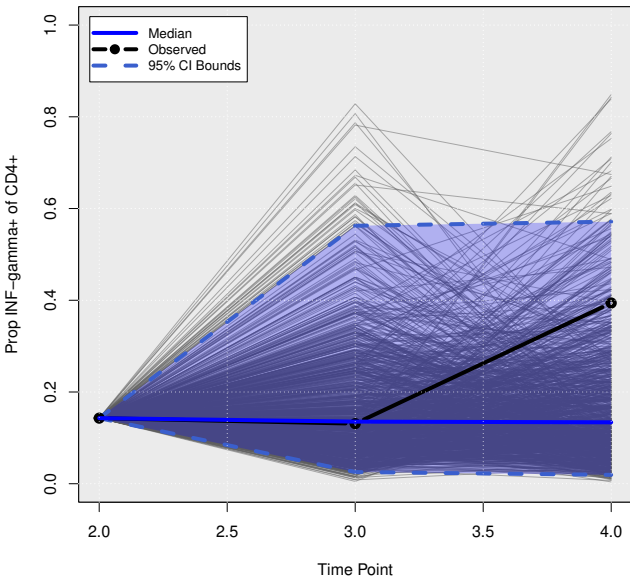
**Predicted Proportion of IFN- $\gamma$ + of CD4+ for Subject 1**



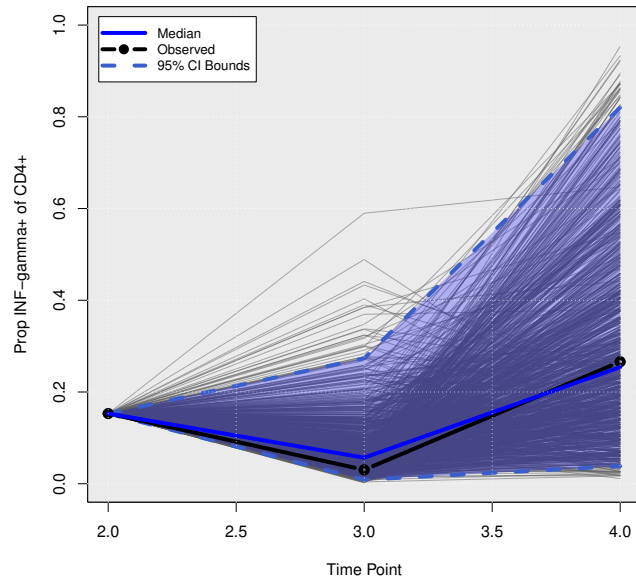
**Predicted Proportion of IFN- $\gamma$ + of CD4+ for Subject 2**



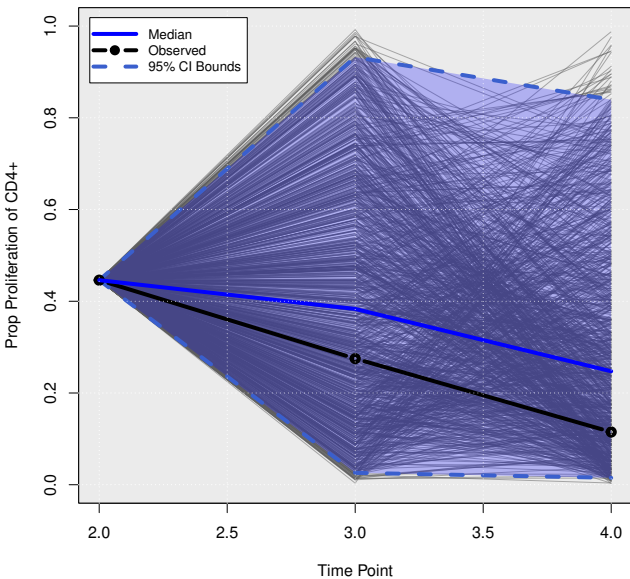
**Predicted Proportion of IFN- $\gamma$ + of CD4+ for Subject 3**



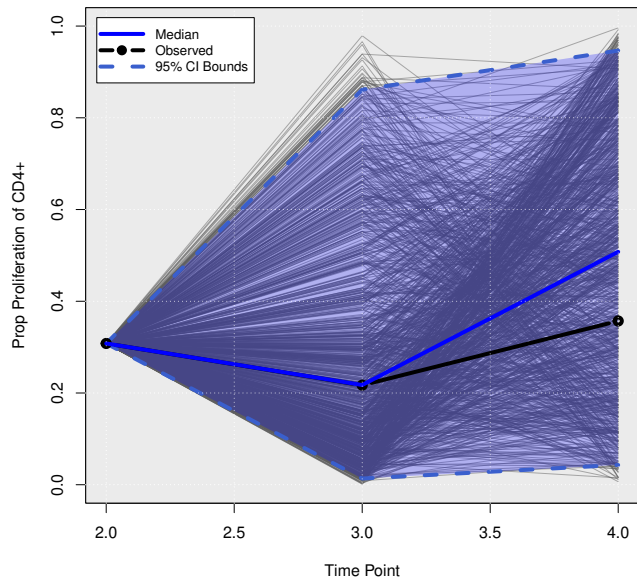
**Predicted Proportion of IFN- $\gamma$ + of CD4+ for Subject 4**



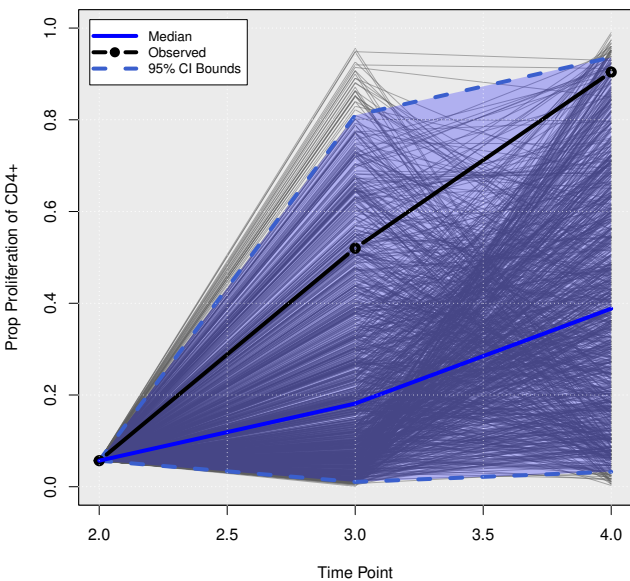
Predicted Proportion of Proliferation of CD4+ for Subject 1



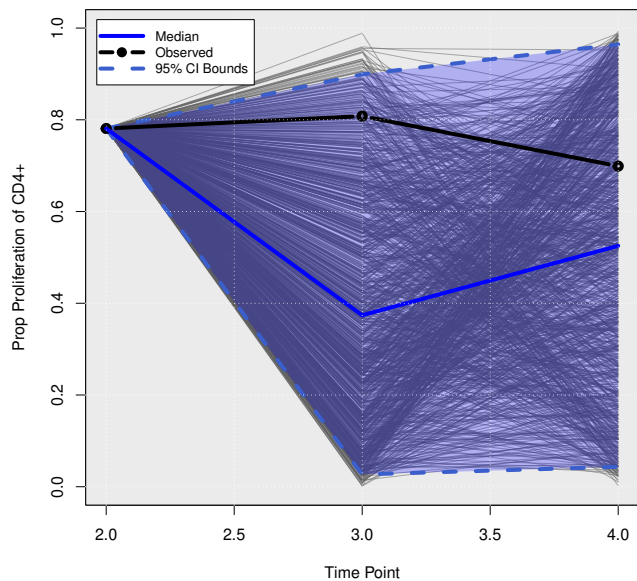
Predicted Proportion of Proliferation of CD4+ for Subject 2



Predicted Proportion of Proliferation of CD4+ for Subject 3

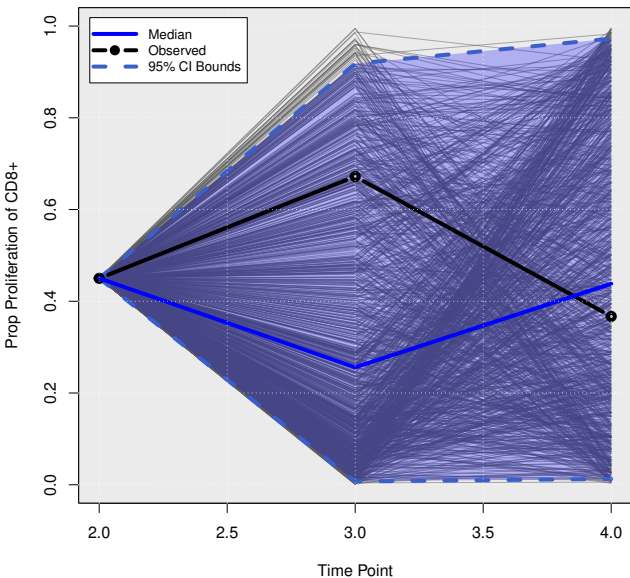


Predicted Proportion of Proliferation of CD4+ for Subject 4

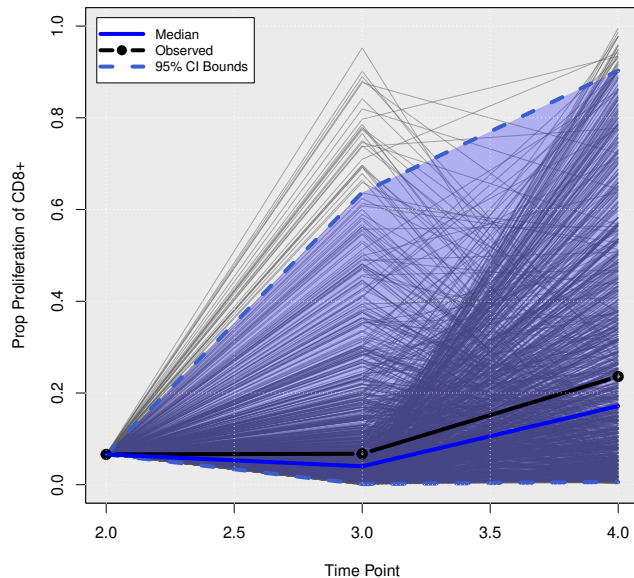




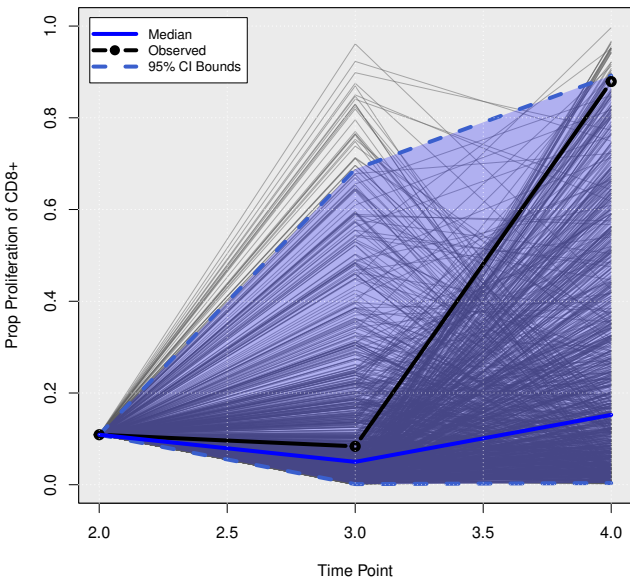
**Predicted Proportion of Proliferation of CD8+ for Subject 1**



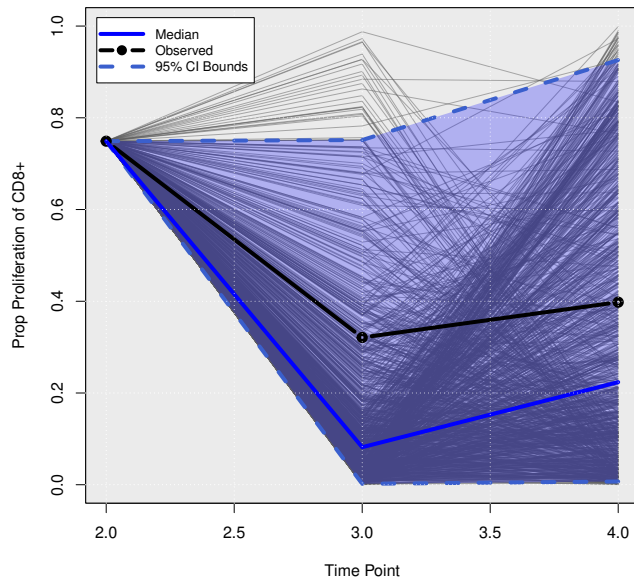
**Predicted Proportion of Proliferation of CD8+ for Subject 2**



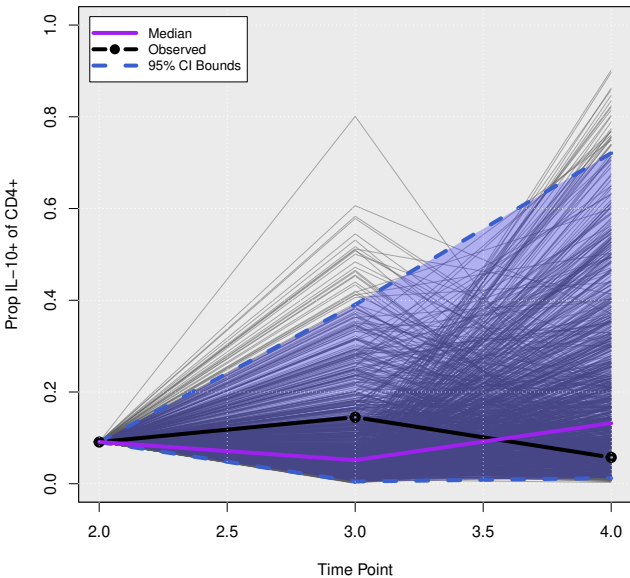
**Predicted Proportion of Proliferation of CD8+ for Subject 3**



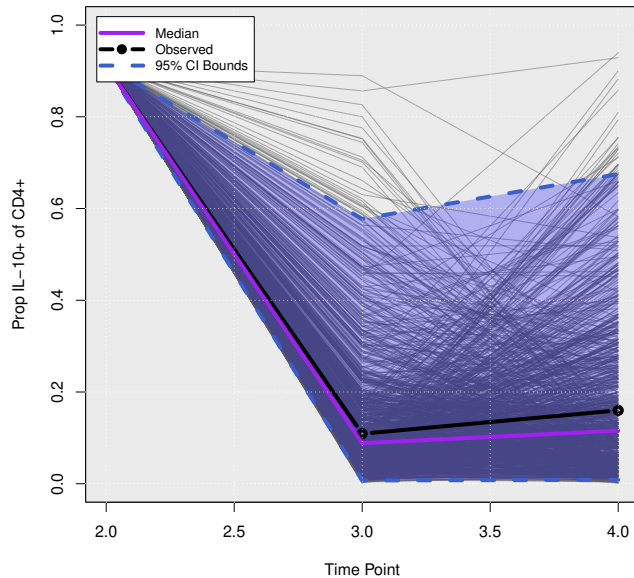
**Predicted Proportion of Proliferation of CD8+ for Subject 4**



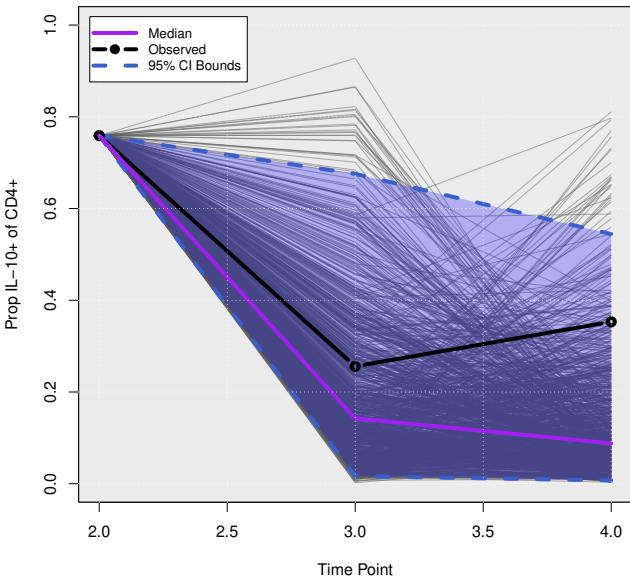
**Predicted Proportion of IL-10+ of CD4+ for Subject 1**



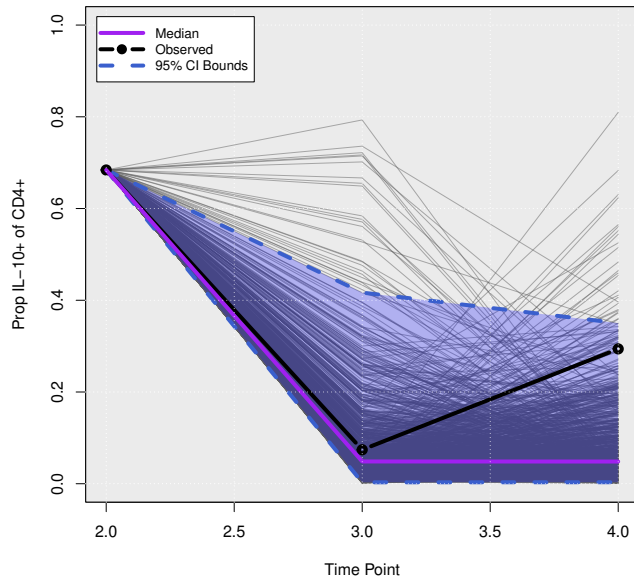
**Predicted Proportion of IL-10+ of CD4+ for Subject 2**



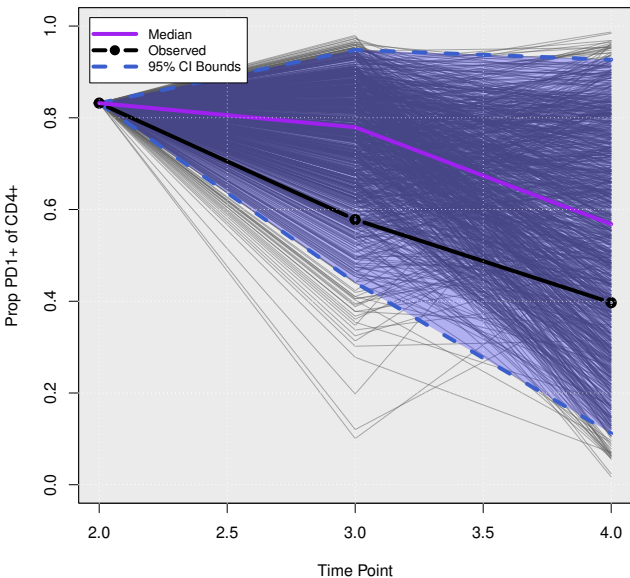
**Predicted Proportion of IL-10+ of CD4+ for Subject 3**



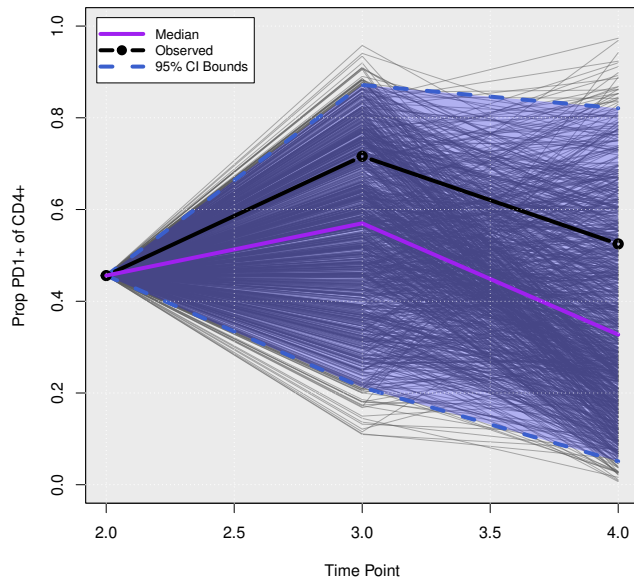
**Predicted Proportion of IL-10+ of CD4+ for Subject 4**



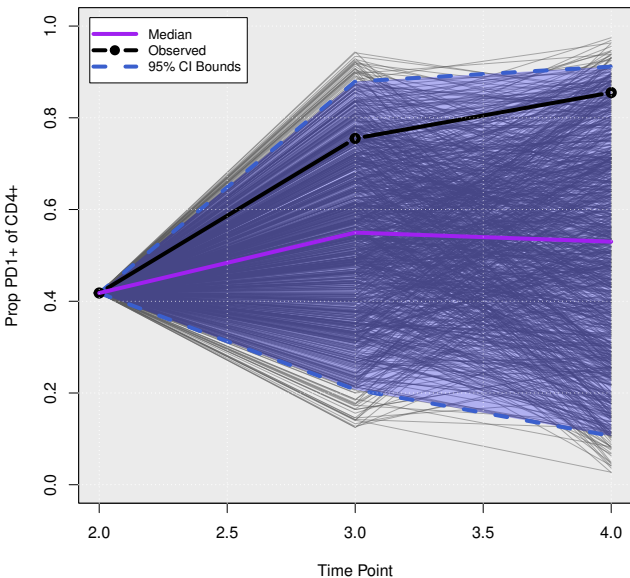
Predicted Proportion of PD1+ of CD4+ for Subject 1



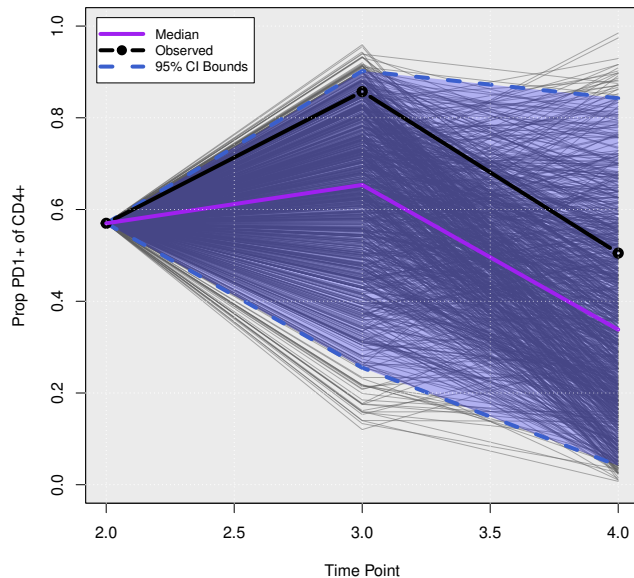
Predicted Proportion of PD1+ of CD4+ for Subject 2



Predicted Proportion of PD1+ of CD4+ for Subject 3

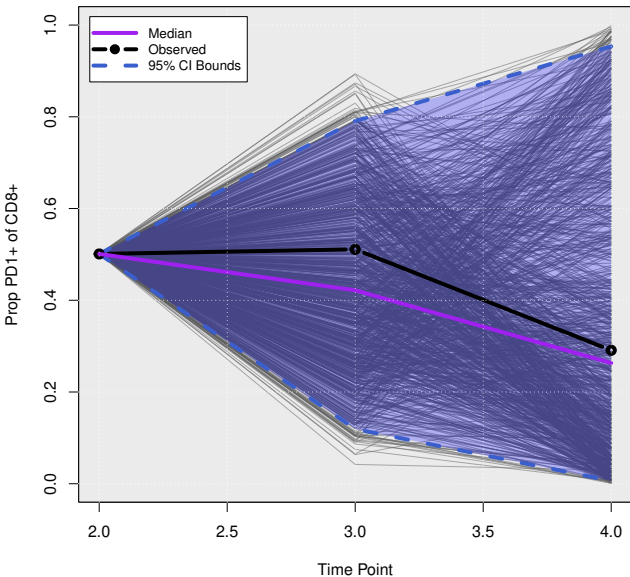


Predicted Proportion of PD1+ of CD4+ for Subject 4

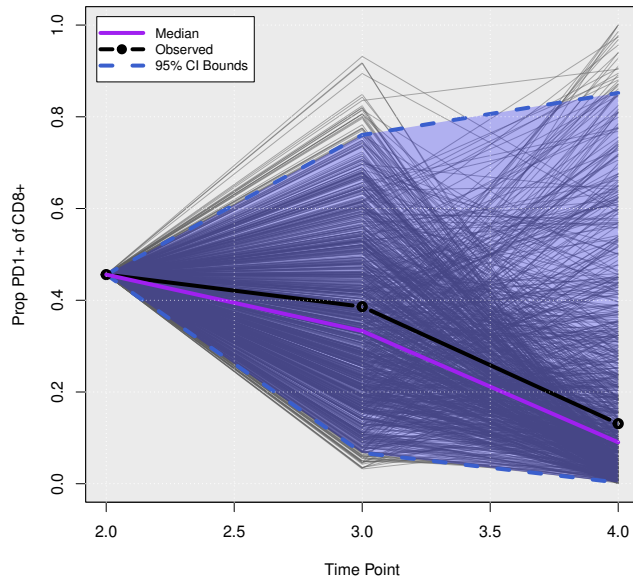




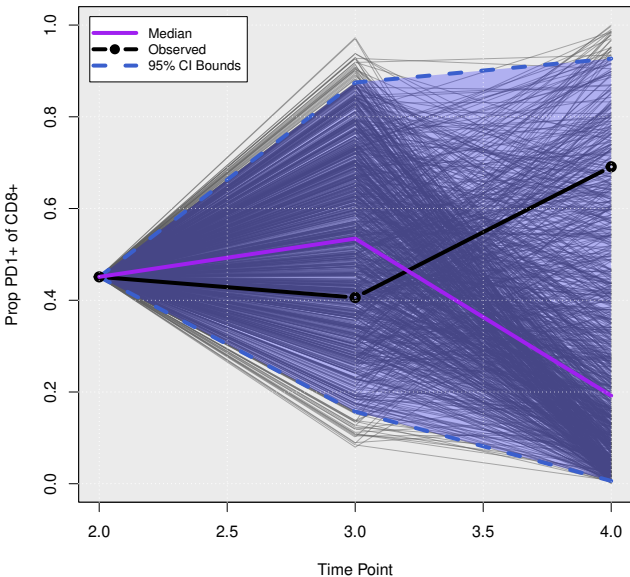
**Predicted Proportion of PD1+ of CD8+ for Subject 1**



**Predicted Proportion of PD1+ of CD8+ for Subject 2**



**Predicted Proportion of PD1+ of CD8+ for Subject 3**



**Predicted Proportion of PD1+ of CD8+ for Subject 4**

