Predicted Pathogen Load for Subject 1

| Predicted |
| Observed |
| 95% CI Bounds |

Predicted Pathogen Load for Subject 2

| Predicted |
| Observed |
| 95% CI Bounds |

Predicted Pathogen Load for Subject 3
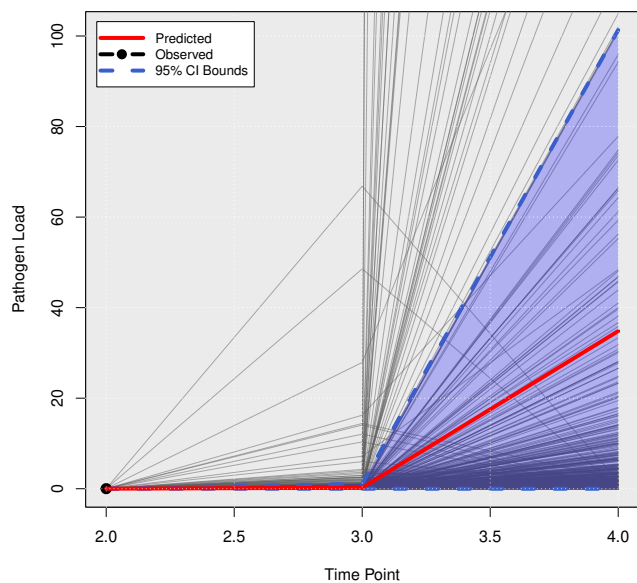
| Predicted |
| Observed |
| 95% CI Bounds |

Predicted Pathogen Load for Subject 4

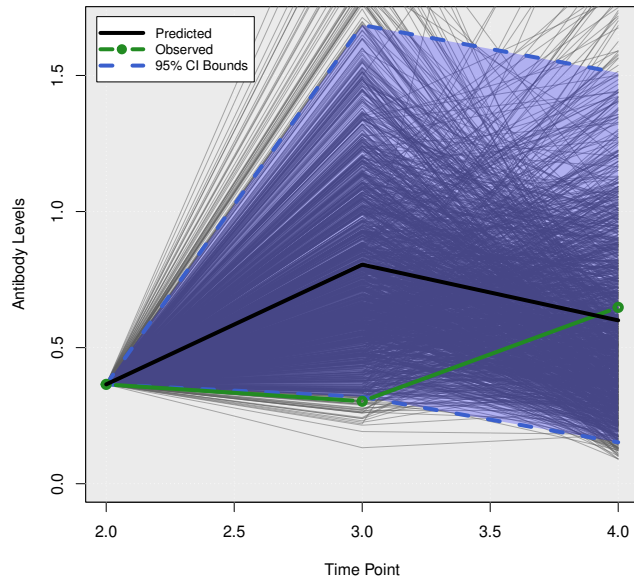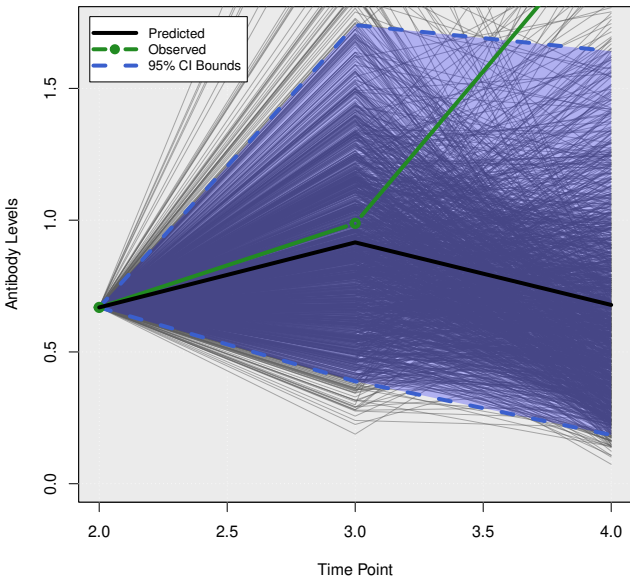| Predicted |
| Observed |
| 95% CI Bounds |

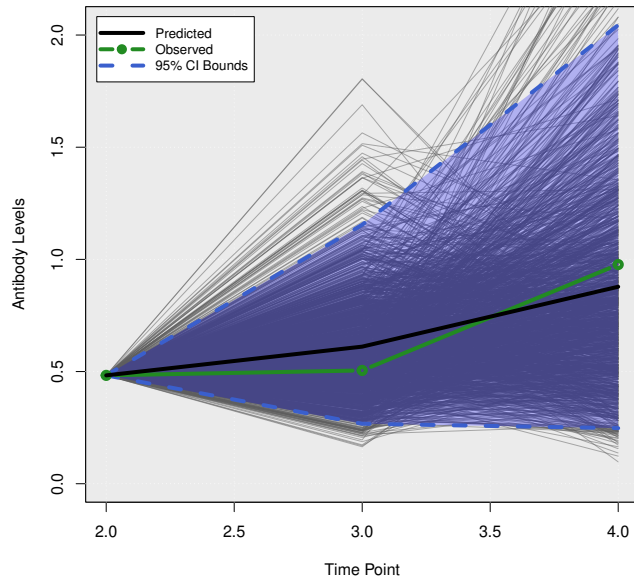**Predicted Antibody Levels for Subject 1**

Predicted Antibody Levels for Subject 2

Predicted Antibody Levels for Subject 3

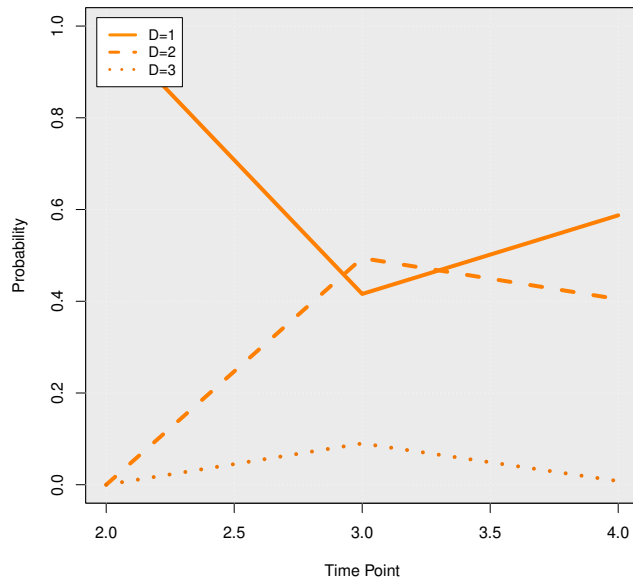**Predicted Antibody Levels for Subject 4**

Legend (each panel):
- Predicted
- Observed
- 95% CI Bounds

Axes (each panel): X-axis "Time Point", Y-axis "Antibody Levels"
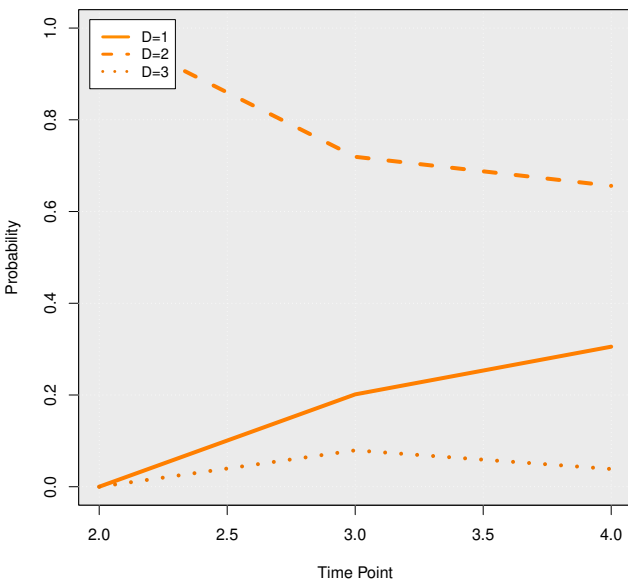
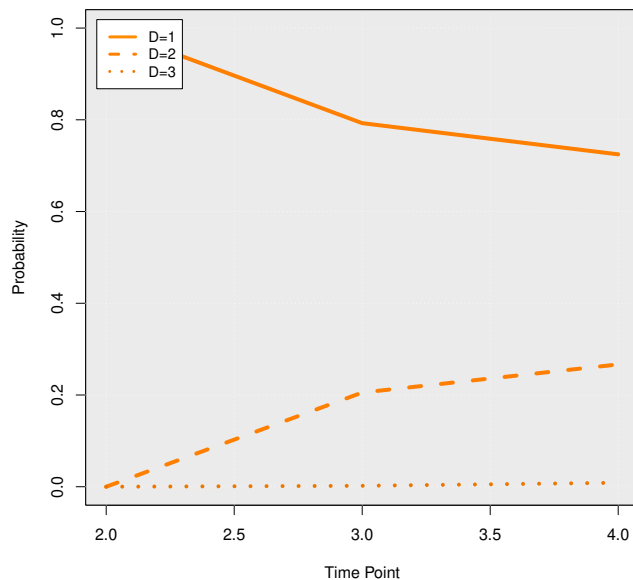**Marginal Probabilities of Disease Status for Subject 1**
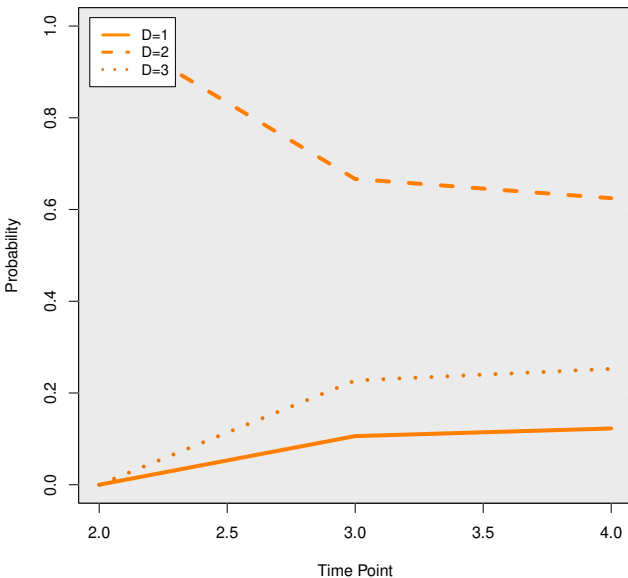
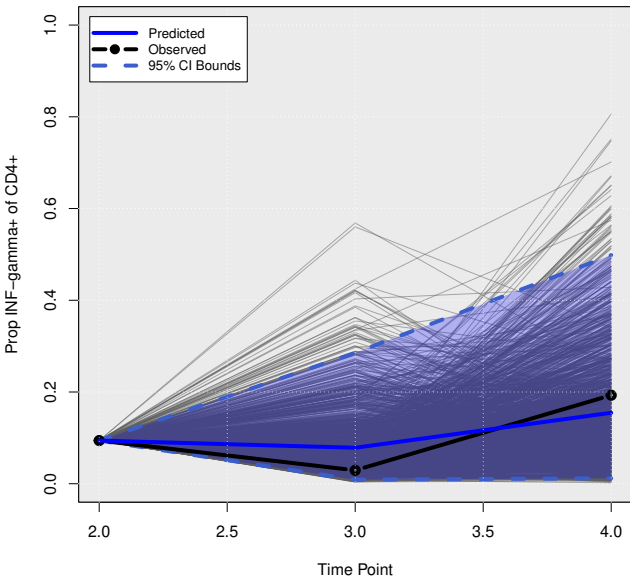**Marginal Probabilities of Disease Status for Subject 2**

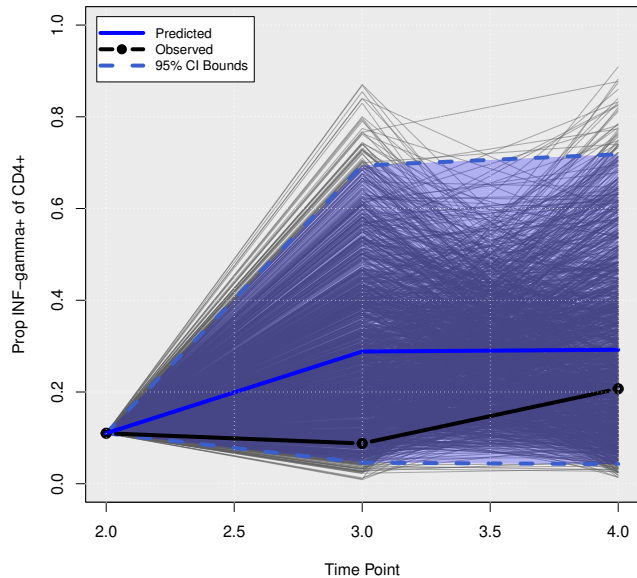**Marginal Probabilities of Disease Status for Subject 3**

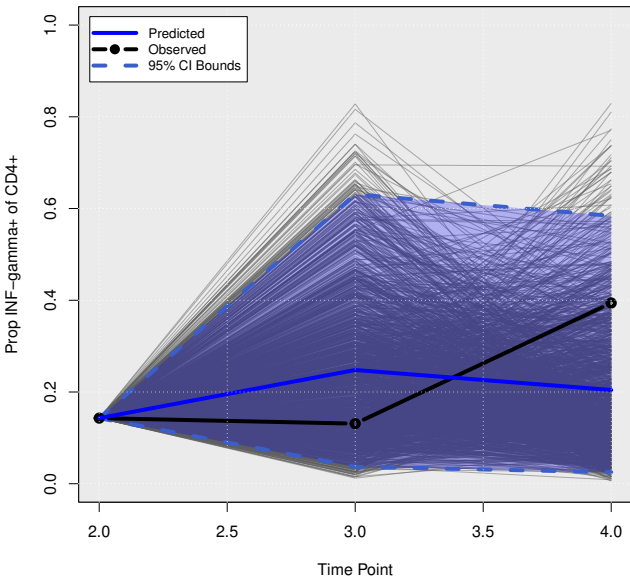**Marginal Probabilities of Disease Status for Subject 4**

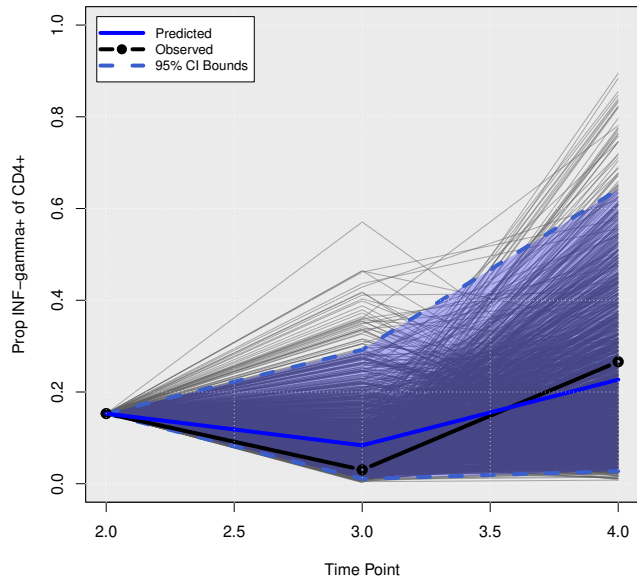**Predicted Proportion of IFN−gamma+ of CD4+ for Subject 1**

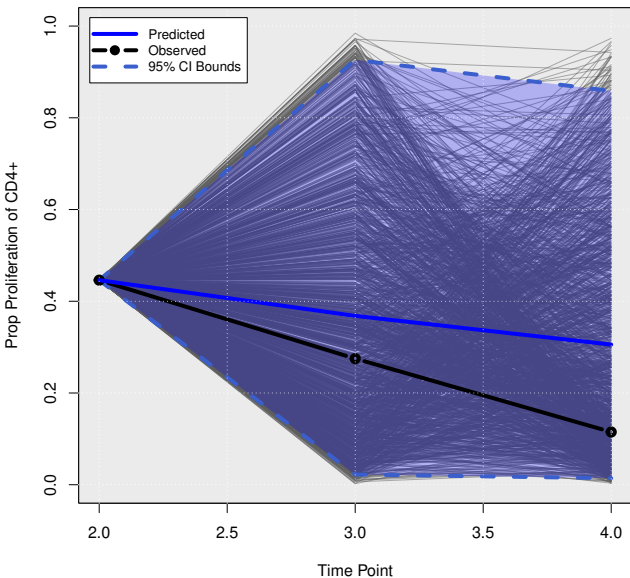**Predicted Proportion of IFN−gamma+ of CD4+ for Subject 2**

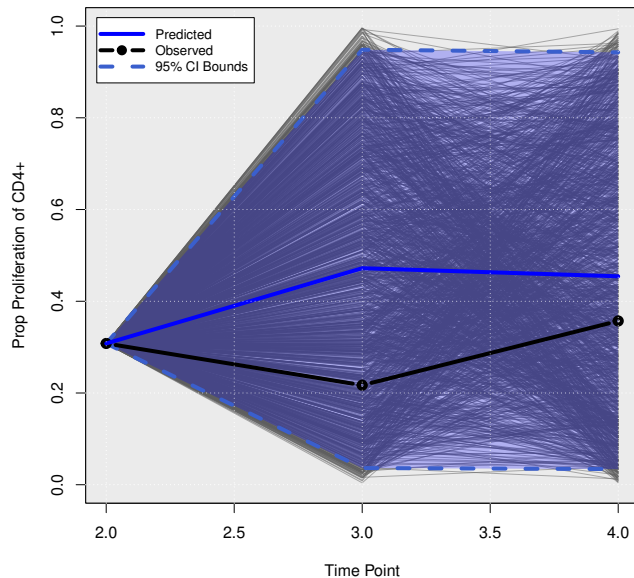**Predicted Proportion of IFN−gamma+ of CD4+ for Subject 3**

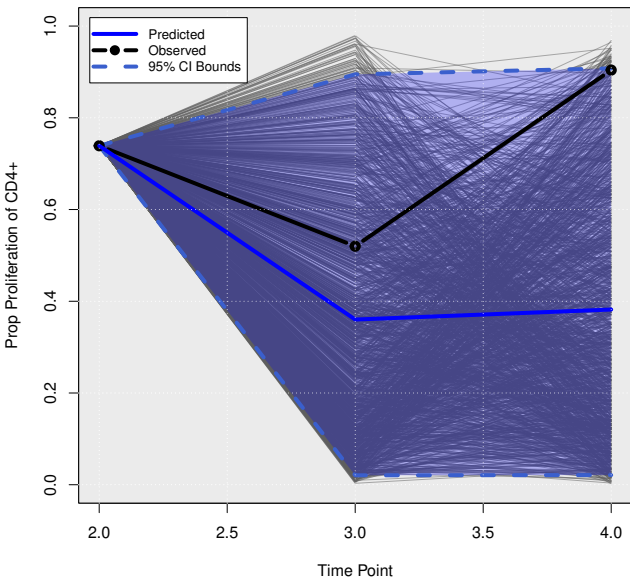**Predicted Proportion of IFN−gamma+ of CD4+ for Subject 4**

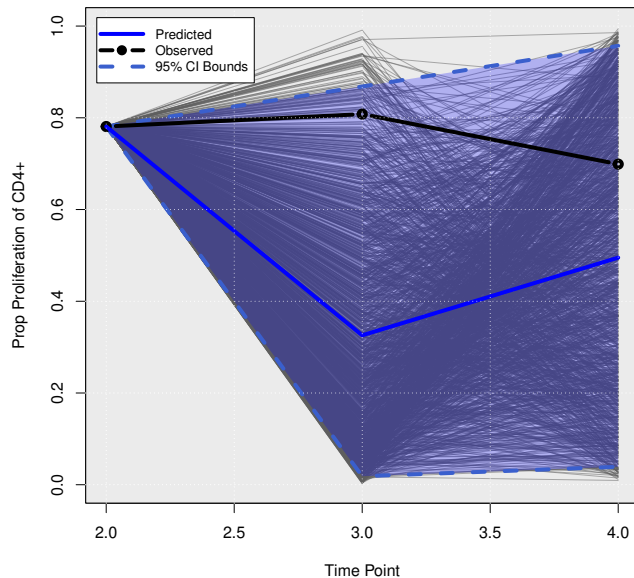**Predicted Proportion of Proliferation of CD4+ for Subject 1**

Predicted Proportion of Proliferation of CD4+ for Subject 2

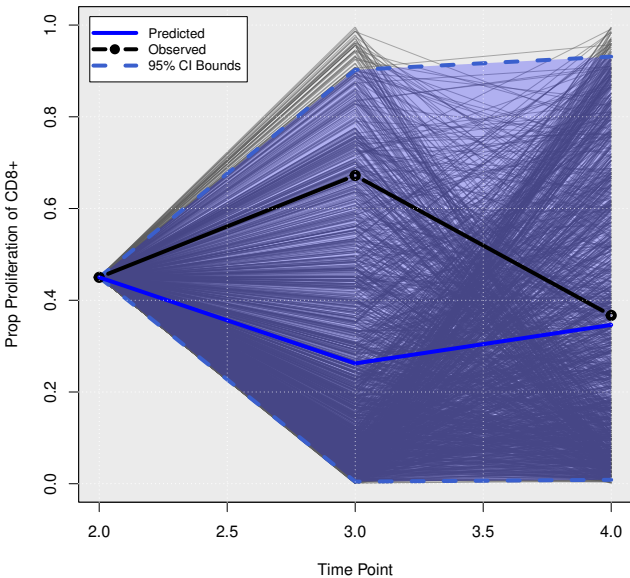**Predicted Proportion of Proliferation of CD4+ for Subject 3**

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

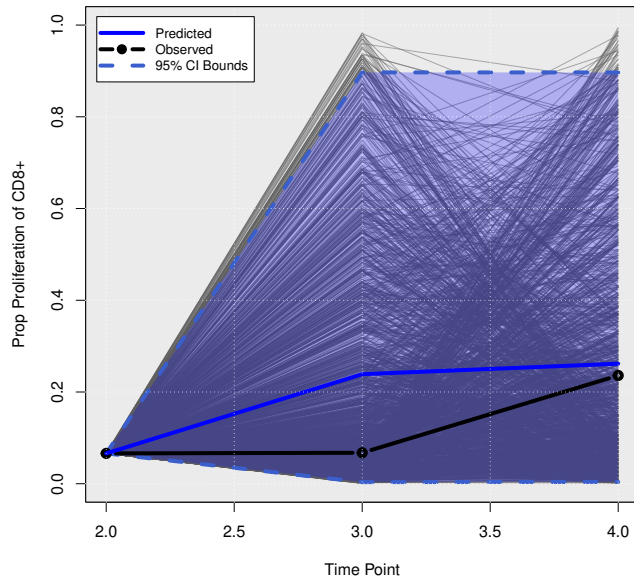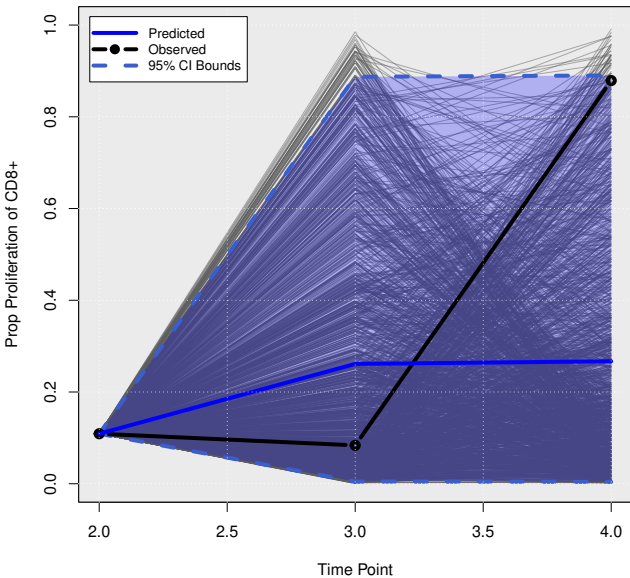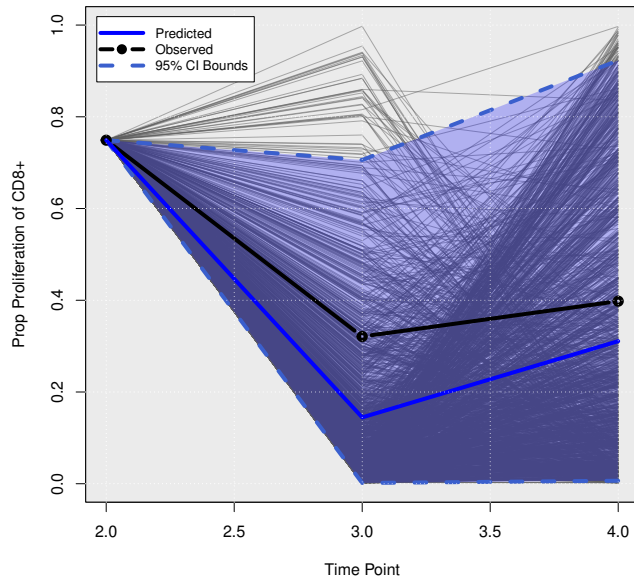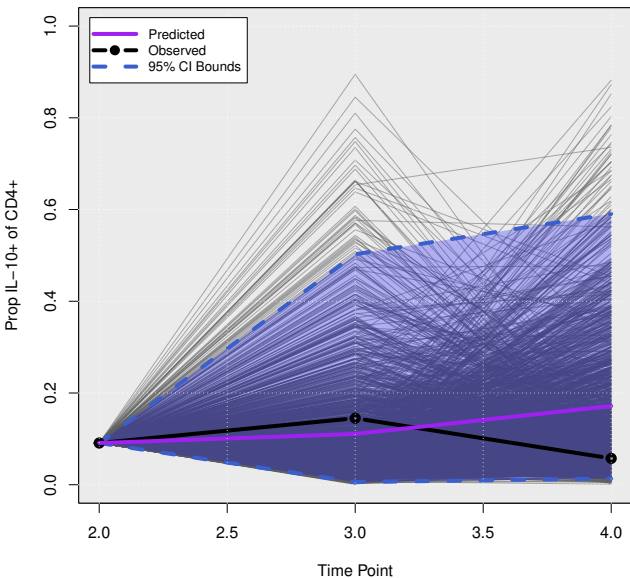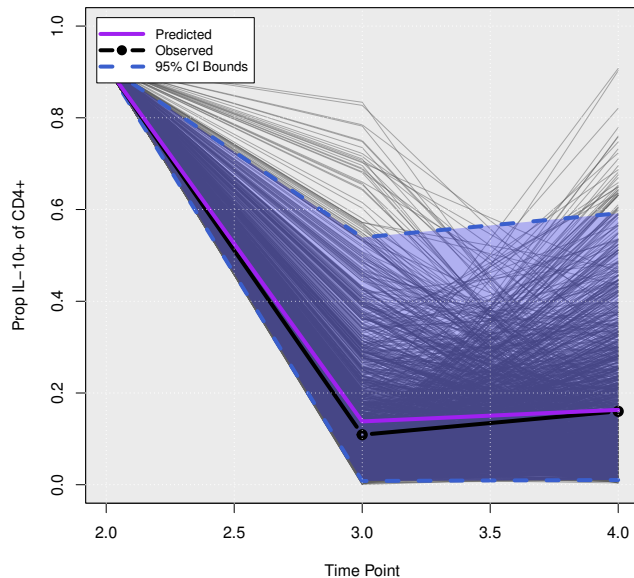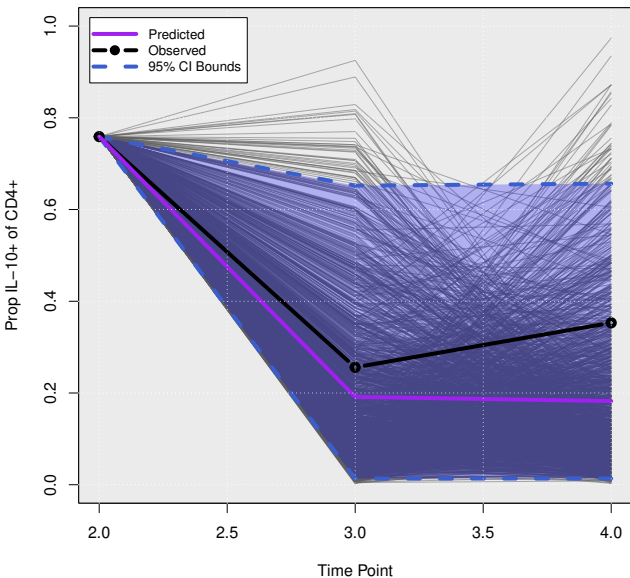**Predicted Proportion of Proliferation of CD8+ for Subject 4**

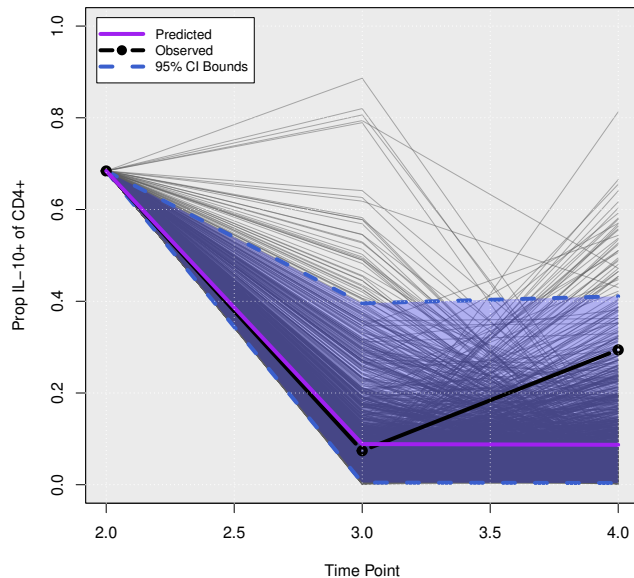**Predicted Proportion of IL−10+ of CD4+ for Subject 1**

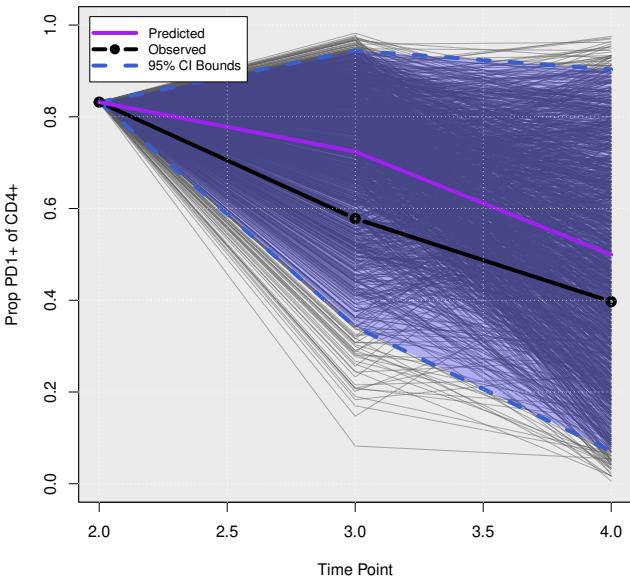**Predicted Proportion of IL−10+ of CD4+ for Subject 2**

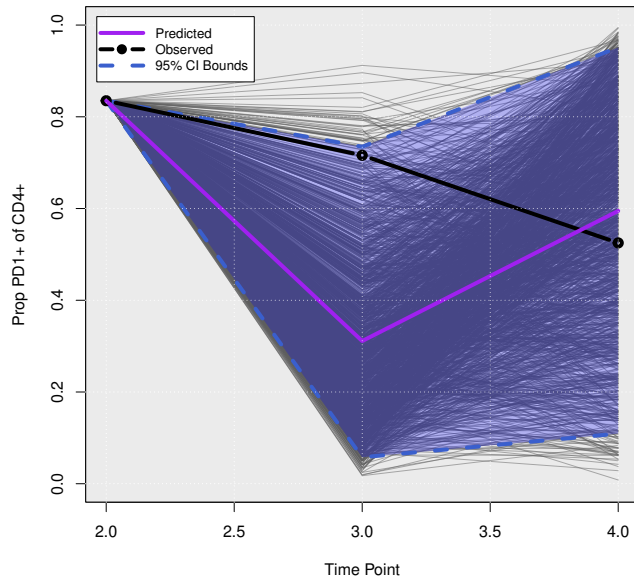**Predicted Proportion of IL−10+ of CD4+ for Subject 3**

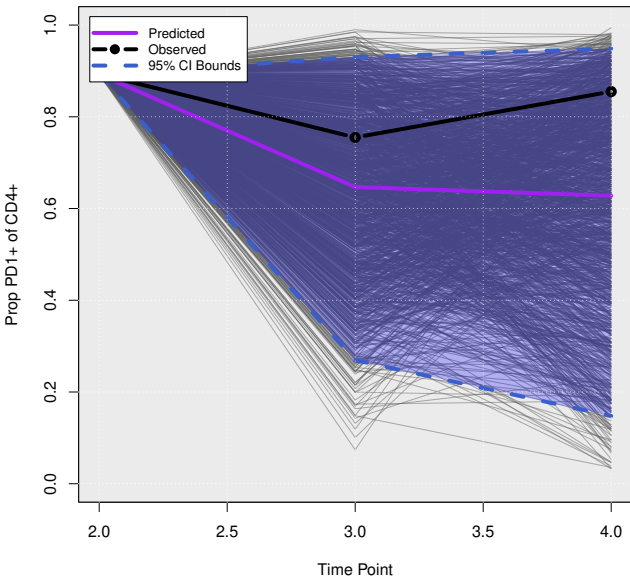**Predicted Proportion of IL−10+ of CD4+ for Subject 4**

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
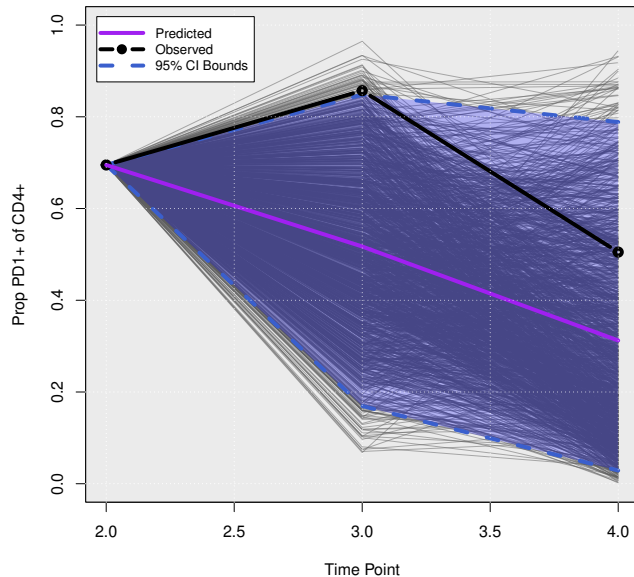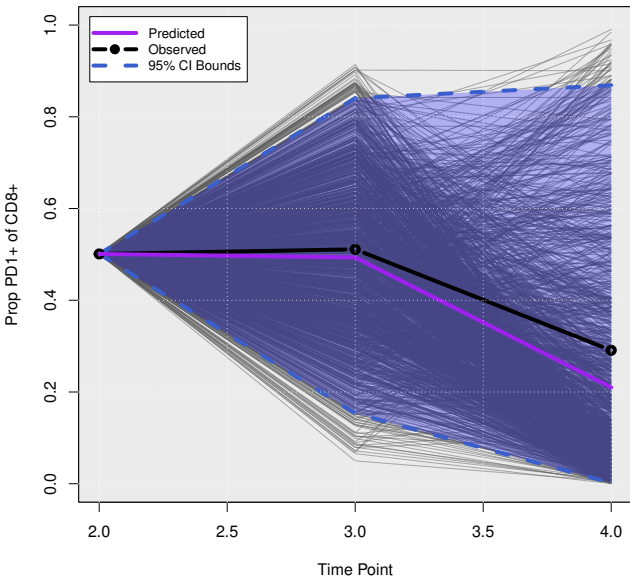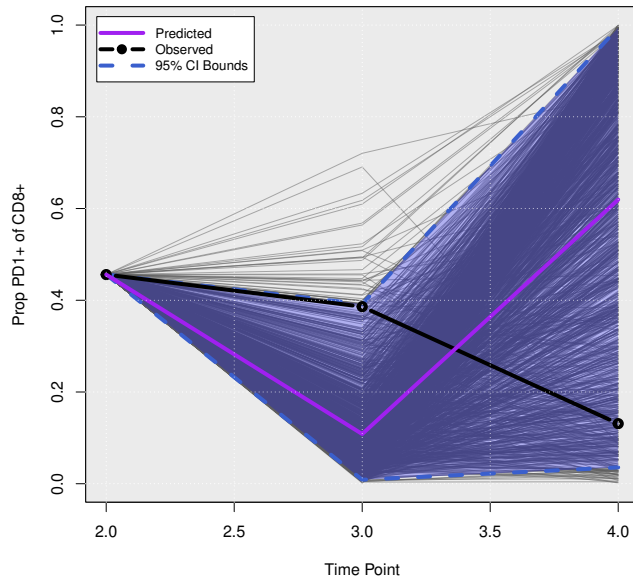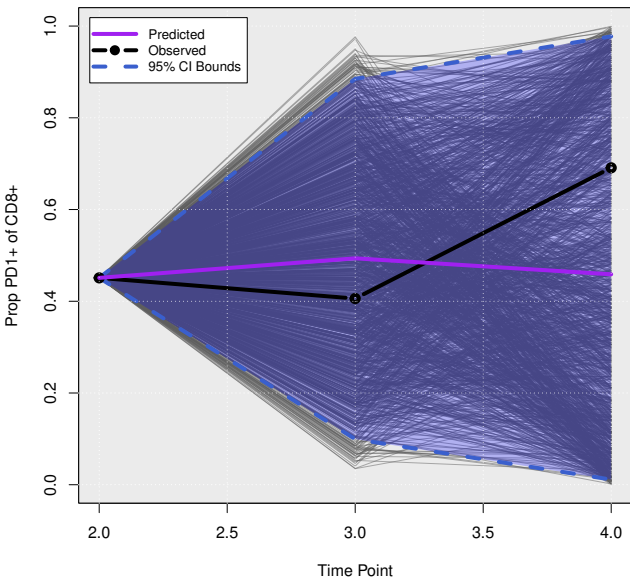
Predicted Proportion of PD1+ of CD8+ for Subject 1

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