**Supplementary Figure 3**

![Graph showing the relationship between time elapsed (days) and patients' immunologic assessments grouped by tertiles.](image)

- ▼ **Date of the end of censoring**
  - Breakthrough infection (red lines) or the end of the follow-up (blue lines)

- ★ **Date of the third vaccination**

The graph illustrates the time elapsed (days) on the y-axis and the number of patients (rearranged) on the x-axis, with immunologic assessments indicated by markers. The patients are divided into tertiles, with the 1st tertile on the left, the 2nd tertile in the middle, and the 3rd tertile on the right.