**Supplementary Table 1. GX301 administration regimens adopted in the study.**

| Regimens          | Days of vaccine administration |
|-------------------|---------------------------------|
|                   | Day 1  | Day 3  | Day 5  | Day 7  | Day 14 | Day 21 | Day 35 | Day 63 |
| Regimen 1         | X      | X      | X      | X      | X      | X      | X      | X      |
| (8 administrations)|        |        |        |        |        |        |        |        |
| Regimen 2         | X      |        | X      | X      | X      | X      |        |        |
| (4 administrations)|        |        |        |        |        |        |        |        |
| Regimen 3         | X      |        |        |        |        |        | X      |        |
| (2 administrations)|        |        |        |        |        |        |        |        |
Supplementary Fig. 1. Representative example of gating strategy for the identification of CD4+ CD127-CD25high and CD8+CD28-CD127-CD39+ T regulatory lymphocytes from peripheral blood of patient #14 after 180 days from vaccination.