**Supplement Table 3.** The background information of the feather samples from 5 flocks.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Flocks** | **No. of samples** | **Chicken breed** | **Type of vaccine** | **Vaccine age (day)** | **Sampling age (day)** |
| Flock 1 | 60 | white feather broiler | - | - | 35 |
| Flock 2 | 20 | unknown | CVI988 | 1 | 21 |
| Flock 3 | 20 | layer | CVI988+HVT | 1 | 28 |
| Flock 4 | 8 | Aijiaohuang | HVT | 1 | 29 |
| Flock 5 | 4 | Tianluma | 814 strain | 1 | 29 |