

Table S3. Similarity of amino acid sequences in HA and NA between Vac-3 and challenge strains.

| Strain | Subtype | HA | | NA | |
|--------|---------|----------------|-----------|----------------|-----------|
| | | Similarity (%) | GI number | Similarity (%) | GI number |
| Vac-3 | H5N1 | - | 156522879 | - | 156522883 |
| VN3040 | H5N1 | 93 | 295189630 | 90 | 295189542 |
| HOK1 | H5N1 | 91 | 188035684 | 89 | 188035688 |
| NL2586 | H7N7 | 43 | 189178851 | 43 | 189178855 |
| NRT1 | H1N1 | 66 | 237659680 | 90 | 237681746 |