ELISA data (titers) showing antibody responses against the four vaccine immunogens after a single DNA followed by a protein boost (see group 2 week 9). There are very high ELISA titers after the 2nd protein boost (see group 2 week 14)

| | | B5Ro | | | A33Ro | | | A27Lo | | | L1Ro | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Group | Animal | Prebleed | Week 9 | Week14 | Prebleed | Week 9 | Week14 | Prebleed | Week 9 | Week14 | Prebleed | Week 9 | Week14 |
| 1 | M549 | ND | 0 | 1,375 | ND | 230 | 760 | ND | 235 | 2,450 | ND | 0 | 0 |
| | M551 | ND | 840 | 2,625 | ND | 610 | 810 | ND | 170 | 2,550 | ND | 0 | 625 |
| | M555 | ND | 195 | 880 | ND | 0 | 420 | ND | 100 | 625 | ND | 0 | 0 |
| 2 | M558 | ND | 11,500 | 550,000 | ND | 7,900 | 180,000 | ND | 14,250 | 197,000 | ND | 15,500 | 385,000 |
| | M560 | ND | 3,700 | 375,000 | ND | 2,500 | 175,000 | ND | 8,100 | 197,000 | ND | 17,500 | 470,000 |
| | M562 | ND | 6,950 | 185,000 | ND | 1,975 | 72,900 | ND | 18,750 | 205,000 | ND | 7,400 | 180,000 |
| 3 | M594 | 0 | 0 | 0 | 0 | 0 | 550 | 0 | 0 | 0 | 0 | 0 | 200 |
| | M596 | 0 | 0 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | M597 | 0 | 200 | 4,250 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | M599 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | M600 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | >300 | 2,125 | 0 | 0 | 0 |
| | M604 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115 | 0 | 0 | 0 |
| 5 | M280 | ND | 0 | >100 | ND | 0 | 0 | ND | 0 | 0 | ND | 0 | 100 |
| | M548 | ND | 0 | >100 | ND | 0 | 100 | ND | 0 | 0 | ND | 0 | >100 |
| | M585 | ND | 0 | >100 | ND | 0 | 0 | ND | 670 | 560 | ND | 0 | >100 |

B5Ro= ELISA using purified E. coli-expressed protein encoded by the monkeypox ortholog of the vaccinia B5R open reading frame
A33Ro= ELISA using purified E. coli-expressed protein encoded by the monkeypox ortholog of the vaccinia A33R open reading frame
L1Ro= ELISA using purified E. coli-expressed protein encoded by the monkeypox ortholog of the vaccinia L1R open reading frame
B5Ro= ELISA using purified E. coli-expressed protein encoded by the monkeypox ortholog of the vaccinia B5R open reading frame
ND = not done

Figure 11