**Table 1. Delivered dose as determined by back titration of inoculum following day 0 challenge.**

|  |  |  |
| --- | --- | --- |
| Virus/Lot no. | Target Dose | Back Titer |
| PRVABC59  040516-BAS | 2.0x106 | 1.5x106 |
| 2.0x105 | 1.8x105 |
| 2.0x104 | 1.1x104 |
| IbH30656  041416-BAS | 2.0x106 | 7.8x105 |
| 2.0x105 | 6.7x104 |
| 2.0x104 | 5.5x103 |
| PLCal\_ZV  092616-BAS | 2.0x106 | 1.3x106 |
| 2.0x105 | 1.8x105 |
| 2.0x104 | 5.9x103 |

**Table 2. PRVABC59 genome copies in serum detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | | | | | | | | | | |
| Animal | **Dose** | **Sex** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | 25 | 30 |
| 5374 | 1.0x106 | M | 0.00E0 | 2.21E5 | 6.07E5 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5363 | 1.0x106 | M | 0.00E0 | 9.02E4 | 2.34E5 | 1.19E5 | 4.86E2 | 4.94E2 | 9.72E1 | 4.54E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5375 | 1.0x106 | F | 0.00E0 | 2.41E5 | 1.47E5 | 2.54E4 | 2.10E2 | 1.94E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5381 | 1.0x106 | F | 0.00E0 | 3.63E5 | 2.43E6 | 7.80E5 | 8.37E2 | 7.84E1 | 4.74E1 | 0.00E0 | 3.87E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **0.00E0** | **2.29E5** | **8.54E5** | **2.31E5** | **3.83E2** | **1.48E2** | **3.62E1** | **1.14E1** | **9.68E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** |
| 5360 | 1.0x105 | M | 0.00E0 | 4.04E4 | 1.39E6 | 1.20E6 | 7.57E3 | 3.85E2 | 3.96E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 5.26E1 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5368 | 1.0x105 | M | 0.00E0 | 2.64E4 | 2.39E5 | 1.39E5 | 3.44E2 | 3.82E2 | 2.36E2 | 0.00E0 | 0.00E0 | 3.67E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5389 | 1.0x105 | F | 0.00E0 | 2.17E4 | 3.80E5 | 4.72E5 | 1.81E4 | 3.89E2 | 0.00E0 | 0.00E0 | 0.00E0 | 2.63E1 | 0.00E0 | 0.00E0 | 0.00E0 | 3.85E1 | 0.00E0 |
| 5378 | 1.0x105 | F | 0.00E0 | 6.22E4 | 1.26E5 | 5.66E4 | 1.33E3 | 2.02E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 6.94E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **0.00E0** | **3.77E4** | **5.34E5** | **4.67E5** | **6.84E3** | **2.94E2** | **6.89E1** | **0.00E0** | **0.00E0** | **1.58E1** | **1.74E0** | **1.32E1** | **0.00E0** | **9.63E0** | **0.00E0** |
| 5366 | 1.0x104 | M | 0.00E0 | 6.93E2 | 1.63E4 | 1.80E4 | 9.70E3 | 1.11E3 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5362 | 1.0x104 | M | 0.00E0 | 8.05E4 | 8.05E4 | 6.10E4 | 2.47E3 | 5.91E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5388 | 1.0x104 | F | 0.00E0 | 2.47E3 | 9.60E4 | 1.12E5 | 8.82E4 | 5.59E3 | 5.26E2 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5376 | 1.0x104 | F | 0.00E0 | 1.35E3 | 8.48E4 | 3.44E5 | 1.12E5 | 1.46E3 | 4.65E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **0.00E0** | **2.13E4** | **6.94E4** | **1.34E5** | **5.31E4** | **2.06E3** | **1.43E2** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** |

**Table 3. PLCal\_ZV genome copies in serum detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | | | | | | | | | | |
| Animal | **Dose** | **Sex** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | 25 | 30 |
| 5367 | 1.0x106 | M | 0.00E0 | 3.86E4 | 5.90E5 | 3.57E5 | 6.29E2 | 2.31E2 | 3.26E2 | 0.00E0 | 1.12E2 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5372 | 1.0x106 | M | 0.00E0 | 4.28E4 | 2.37E5 | 1.37E4 | 3.92E2 | 9.96E1 | 6.01E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5379 | 1.0x106 | F | 0.00E0 | 1.17E4 | 4.26E5 | 9.63E4 | 2.92E4 | 1.46E3 | 9.34E1 | 4.28E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5377 | 1.0x106 | F | 0.00E0 | 6.14E5 | 1.17E6 | 2.52E5 | 2.05E3 | 4.44E2 | 2.84E2 | 6.88E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **0.00E0** | **1.77E5** | **6.05E5** | **1.80E5** | **8.07E3** | **5.59E2** | **1.91E2** | **2.79E1** | **2.81E1** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** |
| 5369 | 1.0x105 | M | 0.00E0 | 3.11E3 | 5.41E4 | 7.08E4 | 6.47E2 | 2.87E2 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5358 | 1.0x105 | M | 6.68E1 | 2.43E3 | 5.39E4 | 2.22E5 | 2.29E5 | 3.16E3 | 8.66E1 | 4.26E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5380 | 1.0x105 | F | 0.00E0 | 7.04E3 | 9.03E4 | 9.11E4 | 3.21E4 | 1.15E3 | 1.22E2 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5384 | 1.0x105 | F | 1.26E1 | 7.72E3 | 1.56E5 | 1.67E5 | 5.90E4 | 8.15E2 | 2.28E2 | 6.41E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 2.89E1 | 0.00E0 | 0.00E0 |
| Average |  |  | **1.99E1** | **5.07E3** | **8.86E4** | **1.38E5** | **8.02E4** | **1.35E3** | **1.09E2** | **2.67E1** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **7.23E0** | **0.00E0** | **0.00E0** |
| 5370 | 1.0x104 | M | 0.00E0 | 3.59E2 | 9.78E3 | 7.53E4 | 2.00E5 | 2.83E4 | 7.20E2 | 3.56E2 | 0.00E0 | 5.71E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5359 | 1.0x104 | M | 7.07E1 | 1.12E2 | 3.19E3 | 2.42E4 | 2.42E4 | 2.21E5 | 2.74E4 | 7.75E2 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5392 | 1.0x104 | F | 0.00E0 | 2.93E2 | 1.68E3 | 3.88E4 | 7.05E5 | 7.02E5 | 2.20E4 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5383 | 1.0x104 | F | 0.00E0 | 1.28E2 | 7.13E3 | 6.25E4 | 8.26E4 | 9.46E5 | 7.55E4 | 1.23E3 | 1.04E2 | 0.00E0 | 6.50E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **1.77E1** | **2.23E2** | **5.44E3** | **5.02E4** | **2.53E5** | **4.74E5** | **3.14E4** | **5.90E2** | **2.60E1** | **1.43E1** | **1.63E1** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** |

**Table 4. IbH30656 genome copies in serum detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | | | | | | | | | | |
| Animal | **Dose** | **Sex** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | 25 | 30 |
| 5364 | 1.0x106 | M | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 1.30E1 | 0.00E0 | 0.00E0 | 4.64E1 | 0.00E0 |
| 5373 | 1.0x106 | M | 0.00E0 | 1.19E2 | 5.26E2 | 1.77E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 4.24E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5382 | 1.0x106 | F | 0.00E0 | 4.96E1 | 2.17E3 | 2.30E1 | 0.00E0 | 2.98E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5391 | 1.0x106 | F | 0.00E0 | 3.28E1 | 0.00E0 | 0.00E0 | 0.00E0 | 8.24E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 7.12E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **0.00E0** | **5.05E1** | **6.75E2** | **1.02E1** | **0.00E0** | **2.81E1** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **3.17E1** | **0.00E0** | **0.00E0** | **1.16E1** | **0.00E0** |
| 5371 | 1.0x105 | M | 0.00E0 | 0.00E0 | 2.38E1 | 0.00E0 | 4.71E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5357 | 1.0x105 | M | 0.00E0 | 4.51E1 | 3.16E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5387 | 1.0x105 | F | 0.00E0 | 0.00E0 | 8.67E1 | 6.60E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 5.91E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5386 | 1.0x105 | F | 3.19E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **7.97E0** | **1.13E1** | **3.55E1** | **1.65E0** | **1.18E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **1.48E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** |
| 5361 | 1.0x104 | M | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 2.25E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5365 | 1.0x104 | M | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5385 | 1.0x104 | F | 1.05E2 | 0.00E0 | 2.79E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5390 | 1.0x104 | F | 0.00E0 | 2.71E1 | 2.57E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **2.63E1** | **6.77E0** | **1.34E1** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** | **5.63E0** | **0.00E0** | **0.00E0** | **0.00E0** | **0.00E0** |

**Table 5. PRVABC59 genome copies in urine detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | |
| Animal | **Dose** | **Sex** | 5 | 10 | 15 | 20 | 25 | 30 |
| 5374 | 1.0x106 | M | 5.03E1 | 0.00E0 | 0.00E0 | 2.12E1 | 0.00E0 | 5.93E1 |
| 5363 | 1.0x106 | M | 0.00E0 | 6.84E1 | 8.55E1 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5375 | 1.0x106 | F | 5.27E1 | 3.56E1 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5381 | 1.0x106 | F | 1.72E1 | 3.77E1 | 4.04E1 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **3.01E1** | **3.54E1** | **3.15E1** | **5.30E0** | **0.00E0** | **1.48E1** |
| 5360 | 1.0x105 | M | 0.00E0 | 0.00E0 | 0.00E0 | 5.84E1 | 6.10E1 | 6.98E1 |
| 5368 | 1.0x105 | M | 0.00E0 | 0.00E0 |  |  |  | 9.90E1 |
| 5389 | 1.0x105 | F | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |  | 0.00E0 |
| 5378 | 1.0x105 | F | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 4.28E1 |
| Average |  |  | **0.00E0** | **0.00E0** | **0.00E0** | **1.95E1** | **3.05E1** | **5.29E1** |
| 5366 | 1.0x104 | M | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 4.53E1 | 0.00E0 |
| 5362 | 1.0x104 | M |  | 0.00E0 | 5.94E1 | 0.00E0 | 5.85E1 | 0.00E0 |
| 5388 | 1.0x104 | F | 1.92E3 | 0.00E0 | 6.08E1 | 1.25E2 | 0.00E0 | 0.00E0 |
| 5376 | 1.0x104 | F | 0.00E0 | 0.00E0 | 0.00E0 | 1.50E2 | 0.00E0 | 0.00E0 |
| Average |  |  | **6.40E2** | **0.00E0** | **3.01E1** | **6.88E1** | **2.60E1** | **0.00E0** |

**Table 6. PLCal\_ZV genome copies in urine detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | |
| Animal | **Dose** | **Sex** | 5 | 10 | 15 | 20 | 25 | 30 |
| 5367 | 1.0x106 | M | 0.00E0 |  |  |  | 0.00E0 |  |
| 5372 | 1.0x106 | M | 0.00E0 |  |  |  | 0.00E0 | 0.00E0 |
| 5379 | 1.0x106 | F | 0.00E0 |  |  |  | 0.00E0 | 0.00E0 |
| 5377 | 1.0x106 | F | 0.00E0 |  |  |  | 0.00E0 | 0.00E0 |
| Average |  |  | **0.00E0** |  |  |  | **0.00E0** | **0.00E0** |
| 5369 | 1.0x105 | M | 0.00E0 |  |  | 0.00E0 | 0.00E0 | 2.07E2 |
| 5358 | 1.0x105 | M | 2.33E2 |  |  | 0.00E0 | 0.00E0 | 6.39E1 |
| 5380 | 1.0x105 | F | 0.00E0 |  |  | 0.00E0 | 0.00E0 |  |
| 5384 | 1.0x105 | F | 0.00E0 |  |  |  |  |  |
| Average |  |  | **5.83E1** |  |  | **0.00E0** | **0.00E0** | **1.35E2** |
| 5370 | 1.0x104 | M | 0.00E0 | 4.13E3 |  | 0.00E0 | 0.00E0 | 1.09E2 |
| 5359 | 1.0x104 | M | 0.00E0 |  |  | 0.00E0 | 0.00E0 | 1.95E2 |
| 5392 | 1.0x104 | F | 0.00E0 |  |  | 0.00E0 | 0.00E0 | 0.00E0 |
| 5383 | 1.0x104 | F | 0.00E0 |  |  | 0.00E0 |  |  |
| Average |  |  | **0.00E0** | **4.13E3** |  | **0.00E0** | **0.00E0** | **1.01E2** |

**Table 7. IbH30656 genome copies in urine detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | |
| Animal | **Dose** | **Sex** | 5 | 10 | 15 | 20 | 25 | 30 |
| 5364 | 1.0x106 | M | 0.00E0 |  |  | 0.00E0 |  |  |
| 5373 | 1.0x106 | M | 0.00E0 |  |  | 0.00E0 |  |  |
| 5382 | 1.0x106 | F | 0.00E0 |  |  | 0.00E0 |  |  |
| 5391 | 1.0x106 | F | 0.00E0 |  |  | 0.00E0 | 0.00E0 |  |
| Average |  |  | **0.00E0** |  |  | **0.00E0** | **0.00E0** |  |
| 5371 | 1.0x105 | M | 0.00E0 | 0.00E0 |  |  |  |  |
| 5357 | 1.0x105 | M | 0.00E0 | 0.00E0 |  | 0.00E0 | 0.00E0 |  |
| 5387 | 1.0x105 | F | 0.00E0 | 0.00E0 |  | 0.00E0 |  |  |
| 5386 | 1.0x105 | F | 0.00E0 |  |  | 0.00E0 |  |  |
| Average |  |  | **0.00E0** | **0.00E0** |  | **0.00E0** | **0.00E0** |  |
| 5361 | 1.0x104 | M | 1.97E1 | 0.00E0 |  |  |  |  |
| 5365 | 1.0x104 | M | 0.00E0 | 0.00E0 |  |  | 0.00E0 |  |
| 5385 | 1.0x104 | F | 0.00E0 | 0.00E0 |  | 0.00E0 | 0.00E0 |  |
| 5390 | 1.0x104 | F | 0.00E0 | 0.00E0 |  | 0.00E0 | 0.00E0 |  |
| Average |  |  | **4.93E0** | **0.00E0** |  | **0.00E0** | **0.00E0** |  |

**Table 8. PRVABC59 genome copies in saliva detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | |
| Animal | **Dose** | **Sex** | 5 | 10 | 15 | 20 | 25 | 30 |
| 5374 | 1.0x106 | M | 2.73E1 | 3.60E1 | 0.00E0 | 3.73E1 | 0.00E0 | 0.00E0 |
| 5363 | 1.0x106 | M | 5.03E1 | 1.24E2 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5375 | 1.0x106 | F | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5381 | 1.0x106 | F | 4.32E1 | 6.05E1 | 2.99E1 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **3.02E1** | **5.52E1** | **7.47E0** | **9.32E0** | **0.00E0** | **0.00E0** |
| 5360 | 1.0x105 | M | 2.06E2 | 7.20E1 | 2.68E2 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5368 | 1.0x105 | M | 3.57E3 | 0.00E0 | 0.00E0 | 0.00E0 | 2.13E1 | 0.00E0 |
| 5389 | 1.0x105 | F | 4.35E1 | 0.00E0 | 1.08E2 | 4.89E1 | 0.00E0 | 0.00E0 |
| 5378 | 1.0x105 | F | 5.68E1 | 0.00E0 | 5.47E1 | 7.15E1 | 0.00E0 | 0.00E0 |
| Average |  |  | **9.70E2** | **1.80E1** | **1.08E2** | **3.01E1** | **5.33E0** | **0.00E0** |
| 5366 | 1.0x104 | M | 0.00E0 | 0.00E0 | 1.35E2 | 0.00E0 | 1.58E1 | 0.00E0 |
| 5362 | 1.0x104 | M | 0.00E0 | 4.02E1 | 1.32E2 | 3.92E1 | 0.00E0 | 0.00E0 |
| 5388 | 1.0x104 | F | 6.83E1 | 0.00E0 | 7.90E1 | 0.00E0 | 0.00E0 | 0.00E0 |
| 5376 | 1.0x104 | F | 0.00E0 | 0.00E0 | 2.30E1 | 0.00E0 | 0.00E0 | 0.00E0 |
| Average |  |  | **1.71E1** | **1.00E1** | **9.23E1** | **9.81E0** | **3.94E0** | **0.00E0** |

**Table 9. PLCal\_ZV genome copies in saliva detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | |
| Animal | **Dose** | **Sex** | 5 | 10 | 15 | 20 | 25 | 30 |
| 5367 | 1.0x106 | M | 6.80E2 | 0.00E0 | 1.98E2 | 0.00E0 |  |  |
| 5372 | 1.0x106 | M | 2.17E2 | 6.80E1 | 0.00E0 | 0.00E0 |  |  |
| 5379 | 1.0x106 | F | 2.66E2 | 9.90E1 | 6.43E1 | 0.00E0 |  |  |
| 5377 | 1.0x106 | F | 1.77E2 | 1.19E2 | 7.45E1 | 0.00E0 |  |  |
| Average |  |  | **3.35E2** | **7.15E1** | **8.43E1** | **0.00E0** |  |  |
| 5369 | 1.0x105 | M | 0.00E0 | 0.00E0 | 2.44E2 | 0.00E0 |  |  |
| 5358 | 1.0x105 | M | 2.33E2 | 3.75E1 | 2.75E1 | 0.00E0 |  |  |
| 5380 | 1.0x105 | F | 1.35E3 | 0.00E0 | 4.75E1 | 0.00E0 |  |  |
| 5384 | 1.0x105 | F | 0.00E0 | 7.04E1 | 6.13E1 | 0.00E0 |  |  |
| Average |  |  | **3.97E2** | **2.70E1** | **9.52E1** | **0.00E0** |  |  |
| 5370 | 1.0x104 | M | 9.48E1 | 0.00E0 | 6.58E2 | 0.00E0 |  | 0.00E0 |
| 5359 | 1.0x104 | M | 8.97E1 | 0.00E0 | 0.00E0 | 0.00E0 |  | 0.00E0 |
| 5392 | 1.0x104 | F | 9.23E1 | 3.24E2 | 0.00E0 | 0.00E0 |  |  |
| 5383 | 1.0x104 | F | 8.11E1 | 0.00E0 | 0.00E0 | 0.00E0 |  |  |
| Average |  |  | **8.94E1** | **8.09E1** | **1.65E2** | **0.00E0** |  | **0.00E0** |

**Table 10. IbH30656 genome copies in saliva detected by quantitative RT-PCR.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Day Post Infection (Genome Copies/mL) | | | | | |
| Animal | **Dose** | **Sex** | 5 | 10 | 15 | 20 | 25 | 30 |
| 5364 | 1.0x106 | M |  |  |  |  |  |  |
| 5373 | 1.0x106 | M |  |  |  |  |  |  |
| 5382 | 1.0x106 | F |  |  |  |  |  |  |
| 5391 | 1.0x106 | F |  |  |  |  |  |  |
| Average |  |  |  |  |  |  |  |  |
| 5371 | 1.0x105 | M |  |  |  |  |  |  |
| 5357 | 1.0x105 | M |  |  |  |  |  |  |
| 5387 | 1.0x105 | F |  |  |  |  |  |  |
| 5386 | 1.0x105 | F |  |  |  |  |  |  |
| Average |  |  |  |  |  |  |  |  |
| 5361 | 1.0x104 | M |  |  |  |  |  |  |
| 5365 | 1.0x104 | M |  |  |  |  |  |  |
| 5385 | 1.0x104 | F |  |  |  |  |  |  |
| 5390 | 1.0x104 | F |  |  |  |  |  |  |
| Average |  |  |  |  |  |  |  |  |