

## Supplemental Tables

**Supplemental Table 1. Detection of Nipah virus infection in different tissues of grivet survivors**

| Animal     | Sex  | Days PE | Lung | Liver | Spleen | Lymph nodes | Stomach | Colon | Testes | Eyes | Brain          |                 |          |          |                     |                   |
|------------|------|---------|------|-------|--------|-------------|---------|-------|--------|------|----------------|-----------------|----------|----------|---------------------|-------------------|
|            |      |         |      |       |        |             |         |       |        |      | Frontal cortex | Corpus striatum | Thalamus | Midbrain | Pons and cerebellum | Medulla oblongata |
| Survivor 1 | Male | 32      | Neg  | Neg   | Neg    | Neg         | Neg     | Neg   | Neg    | Neg  | Pos            | Neg             | Neg      | Pos      | Pos                 | Pos               |
| Survivor 2 | Male | 32      | Neg  | Neg   | Neg    | Neg         | Neg     | Neg   | Neg    | Neg  | Pos            | Neg             | Neg      | Pos      | Pos                 | Pos               |

PE, post-exposure; Neg, Negative; Pos, positive

**Supplemental Table 2. Nipah virus infection pattern in the brain of acutely infected grivets**

| Animal | Sex  | Challenge dose (pfu) | Days PE | Lung      | Brain                                         | NiV infection in brain |                 |          |                |                     |                   |
|--------|------|----------------------|---------|-----------|-----------------------------------------------|------------------------|-----------------|----------|----------------|---------------------|-------------------|
|        |      |                      |         |           |                                               | Frontal cortex         | Corpus striatum | Thalamus | Mesence phalon | Pons and cerebellum | Medulla oblongata |
| 1      | Male | 2.5×10 <sup>4</sup>  | 9       | Pneumonia | Gliosis, perivascular cuffing, and spongiosis | EC                     | EC              | EC       | EC             | EC and Neurons      | EC                |
| 2      | Male | 2.5×10 <sup>4</sup>  | 11      | Pneumonia | Gliosis                                       | EC                     | EC              | EC       | EC             | EC                  | EC                |
| 3      | Male | 2×10 <sup>5</sup>    | 11      | Pneumonia | Gliosis                                       | EC                     | EC              | EC       | EC             | EC                  | EC                |
| 4      | Male | 2×10 <sup>5</sup>    | 10      | Pneumonia | Gliosis, necrosis, and spongiosis             | EC and Neurons         | EC              | EC       | EC             | EC and Neurons      | EC                |
| 5      | Male | 2×10 <sup>5</sup>    | 9       | Pneumonia | Gliosis                                       | EC                     | EC              | EC       | EC             | EC and Neurons      |                   |
| 6      | Male | 2×10 <sup>5</sup>    | 10      | Pneumonia | Gliosis                                       | EC                     | EC              | EC       | EC             | EC and Neurons      |                   |

PE, post-exposure; EC, endothelial cells