**S1 Table.** **H&E** **pathology scores of different tissues.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group** | **dpc** | **Brain** | **Heart** | **Small Intestine** | **Cecum** |
| SARS2 | 3 | 0 / 0 / 0 | 0 / 0 / 0 | 1 / 1 / 1 | 1 / 2 / 1 |
| 6 | 0 / 0 / 1 | 0 / 0 / 0 | 1 / 1 / 1 | 1 / 2 / 1 |
| FLUAV-SARS2 | 3 | 1 / 0 / 0 | 0 / 0 / 0 | 1 / 1 / 1 | 3 / 1 / 2 |
| 6 | 0 / 0 / 0 / 0 | 0 / 0 / 0 / 0 | 1 / 1 / 1 /1 | 1 / 1 / 1 / 3 |
| Mock | 3 | 0 | 0 | 1 | 1 |
| 6 | 0 / 0 | 0 / 0 | 1 / 1 | 1 / 1 |

Subjectively scored tissues (blind) based on percentage of the total parenchyma affected by lesions and inflammation as: none (0%), mild; <15% (1), mild to moderate; 16-30% (2), moderate; 31-50% (3), moderate to severe 51-75% (4) and severe; ≥75% (5). A dash is used to separate the score evaluated for each individual hamster separated by group and days post challenge (dpc).