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| **Gull H16N3 virus** | **Tissue** | **n** | **Score** | **Details** |
| ***Human***  | Cornea | 3 | ± | attachment to >75% (n=1), <50% (n=1) or <25% (n=1) surface epithelial cells |
| Conjunctiva | 2 | + | attachment to >75% (n=1) or >50% (n=1) surface epithelial cells |
| Nasopharynx | 4 | + | attachment to >75% ciliated (n=4) and goblet (n=2) cells |
| Bronchus | 4 | + | attachment to >75% ciliated (n=4) and goblet (n=2) cells |
| Pulmonary alveolus | 4 | + | low (<25%) attachment to alveolar cells; attachment to >75% macrophages |
| Oral mucosa | 2 | - | no attachment to epithelial cells |
| Salivary gland | 4 | ± | no attachment to serous glands (n=4); attachment to >75% mucinous glands (n=1)  |
| Esophagus | 3 | - | no attachment to epithelial cells |
| Stomach | 4 | ± | no (n=3) or very low (<10%, n=1) attachment to surface epithelial cells of lower and upper stomach  |
| Duodenum | 4 | - | no attachment to epithelial and goblet cells |
| Small intestine | 4 | - | no attachment to epithelial and goblet cells |
| Appendix | 3 | - | no attachment to epithelial and goblet cells |
| Colon | 4 | - | no attachment to epithelial and goblet cells |
| Rectum | 3 | - | no attachment to epithelial and goblet cells |
| ***Anas platyhrynchos*** | Trachea | 2 | + | attachment to >75% ciliated and goblet cells  |
| Duodenum | 3 | - | no attachment to epithelial and goblet cells; crypts not visible |
| Ileum | 3 | - | no attachment to epithelial and goblet cells; no attachment to crypt cells |
| Ileocaecal junction | 3 | - | no attachment to epithelial and goblet cells; no attachment to crypt cells  |
| Colon | 3 | - | no attachment to epithelial and goblet cells; no attachment to crypt cells |
| ***Larus argentatus*** | Trachea | 1 | ±\* | no attachment to ciliated cells; very low (<10%) attachment to goblet cells |
|  | Duodenum | 1 | + | attachment to>75% epithelial and goblet cells; crypts not visible |
|  | Ileum | 2 | + | attachment to>75% epithelial cells; attachment to >75% (n=1) or >25% (n=1) goblet cells; crypts not visible |
|  | Ileocaecal junction | 1 | + | attachment to>75% epithelial and goblet cells; crypts not visible |
|  | Colon | 1 | + | attachment to>75% epithelial, goblet and crypt cells  |
| ***Leucophaeus pipixcan*** | Trachea | 2 | + | attachment to >50% ciliated cells; very low (<10%) attachment to goblet cells |
| Duodenum | 3 | + | attachment to >75% epithelial cells (n=2); low (<25%, n=2) attachment to goblet cells; attachment to >75% crypt cells (n=2) |
| Ileum | 2 | + | attachment to >75% epithelial cells, <50% goblet cells, and to >75% crypt cells (n=1)  |
| Ileocaecal junction | 3 | + | attachment to >75% epithelial cells, >50% goblet cells, and to >75% crypt cells  |
| Colon | 2 | + | attachment to >75% epithelial, goblet and crypt cells  |