**Table S4. Design of Experiments 4a and 4b: Transmission of MDV strain 675A in commercial maternal antibody positive HVT-vaccinated birds.**

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|  | **Housing details** | **HVT FC126 Vaccinated** | **Unvaccinated** |
| **Experiment 4a** | Housed in 2 isolators, each containing 5 birds from Group 1 and 5 birds from Group 2.Moved to floor pens at 4w of age where housed in previously mixed groups in separate pens within the same room | Group 110 birds infected with 675A (vv+MDV) | Group 210 sentinel birds |
| Housed in 2 isolators, each containing 5 birds from Group 3 and 5 birds from Group 4Moved to floor pens at 4w of age where housed in previously mixed groups in separate pens within the same room | Group 310 birds infected with 675A (vv+MDV)Group 410 sentinel birds |  |
| **Experiment 4b** | Housed in a floor pen with all birds mixing from 1 day of age | Group 510 birds infected with 675A (vv+MDV) | Group 610 sentinel birds |
| Housed in a floor pen with all birds mixing from 1 day of age | Group 710 birds infected with 675A (vv+) MDVGroup 810 sentinel birds |  |