**S1 Table.** Detection of A(H1N1)pdm09 virus infection in each individual sentinel animal by viral culture, qRT-PCR and serum antibody response.

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| 1. **(Lon) 24 hours p.i. donor treatment, immediate exposure (DC)**
 |
| Sentinel positivity by indicated assay | Control  | OST | BXA  |
| Virus titration (plaque)[first positive DPI] | +[4] | +[3] | +[5] | +[5] | +[6] | +[6] | +[5] | +[5] | +[5] | +[5] | +[7] | +[5] |
| qRT-PCR[first positive DPI] | +[2] | +[4] | +[4] | +[2] | +[4] | +[4] | +[2] | +[2] | +[2] | +[3] | +[2] | +[3] |
| HI on 14 DPI[titre] | +[640] | +[1280] | +[5120] | +[2560] | +[5120] | +[20480] | +[1280] | +[2560] | +[640] | +[1280] | +[5120] | +[2560] |
| 1. **(Lon) 24 hours p.i. donor treatment, immediate exposure (IC)**
 |
| Sentinel positivity by indicated assay | Control  | OST | BXA |
| Virus titration (plaque)[first positive DPI] | +[4] | +[5] | - | +[5] | - | +[10] | +[9] | +[9] | - | - | - | +[8] |
| qRT-PCR[first positive DPI] | +[5] | +[4] | +[11] | +[5] | - | +[4] | +[4] | +[10] | - | - | - | +[6] |
| HI on 14 DPI[titre] | +[640] | +[1280] | -[<10] | +[2560] | -[<10] | -[<10] | +[1280] | +[2560] | -[<10] | -[<10] | -[<10] | +[2560] |

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| 1. **(Mel) 24 hours p.i. donor treatment, immediate exposure (DC)**
 |
| Sentinel positivity by indicated assay | Control | OST | BXA |
| Virus titration (TCID50)[first positive DPI] | +[4] | +[3] | +[4] | +[5] | +[5] | +[8] | +[5] | +[4] | - | - | - | +[3] |
| qRT-PCR[first positive DPI] | +[4] | +[3] | +[4] | +[3] | +[3] | +[3] | +[3] | +[3] | +[4] | - | - | +[3] |
| HI [not done] | N/A# |
| 1. **(Mel) 24 hours p.i. donor treatment, 24 hours delayed exposure (DC)**
 |
| Sentinel positivity by indicated assay | Control | OST | BXA |
| Virus titration (TCID50)[first positive DPI] | +[3] | +[4] | +[4] | +[4] | +[5] | +[4] | +[5] | +[5] | - | +[5] | - | - |
| qRT-PCR[first positive DPI] | +[3] | +[3] | +[4] | +[3] | +[5] | +[3] | +[5] | +[3] | - | +[5] | - | - |
| HI on 18 DPI[titre] | +[5120] | +[2560] | +[5120] | +[5120] | +[5120] | +[5120] | +[2560] | +[1280] | +[40] | +[2560] | -[<20] | -[<20] |
| 1. **(Mel) 48 hours p.i. donor treatment, immediate exposure (DC)**
 |
| Sentinel positivity by indicated assay | Control | OST | BXA |
| Virus titration (TCID50)[first positive DPI] | +[3] | +[4] | +[4] | +[5] | +[6] | +[4] | +[4] | +[5] | - | +[3] | - | +[4] |
| qRT-PCR[first positive DPI] | +[3] | +[4] | +[4] | +[5] | +[6] | +[4] | +[4] | +[5] | - | +[3] | +[8] | +[4] |
| HI on 18 DPI[titre] | +[10240] | +[2560] | +[5120] | N/A\* | +[2560] | +[10240] | +[10240] | +[5120] | +[80] | +[5120] | +[320] | +[2560] |

+ Ferret was influenza positive by the respective assay; - Ferret was influenza negative by the respective assay

#Serology samples were not collected for this experiment

\*Ferret was sacrificed for ethical concerns at 4 DPE before development of a detectable antibody response