**S1 Table:** Health status of rats in barrier and conventional facilities.

|  |  |  |  |
| --- | --- | --- | --- |
| **VIRAL INFECTIONS (SEROLOGY)** | **Test Method** \* | **Barrier** † | **Conventional** ‡ |
| Parvoviruses:  | IF  |  |  |
|  Kilham rat virus  |  | - | - |
|  Toolan’s H-1 virus  |  | - | - |
|  Rat parvovirus  |  | - | - |
| Pneumonia virus of mice | IF  | - | - |
| Sendai virus  | ELISA | - | - |
| Sialodacryoadenitits/Rat corona virus  | ELISA | - | - |
| Hantaan virus  | IF | - | - |
| Mouse adenovirus  | IF  | - | - |
| Reovirus type 3 | IF  | - | - |
| **BACTERIAL INFECTIONS**  |  |
| Bordetella bronchiseptica  | Cultivation  | - | - |
| Clostridium piliforme  | IF  | - | - |
| Corynebacterium kutscheri  | Cultivation  | - | - |
| Mycoplasma pulmonis  | ELISA | - | - |
| Pasteurellaceae  | Cultivation  | - | X |
| Salmonella spp  | Cultivation  | - | - |
| Streptobacillus moniliformis | Cultivation  | - | - |
| Streptococci-haemolytic  | Cultivation  | - | - |
| Streptococcus pneumoniae  | Cultivation  | - | - |
| Helicobacter spp | PCR | - | X |
| **PARASITE INFECTIONS** |  |
| Ectoparasites | Stereo-microscopy | - | - |
| Endoparasites | Flotation/Microscopy | - | X 4 |
| **PATHOLOGICAL EXAMINATION** |  |  |
| Macroscopical changes at necropsy  |  | - | - |

\* All tests were performed or administrated by the Swedish National Veterinary Institute; IF= immunofluorescence. † Pathogen status of the sentinel rats housed in the barrier facility at the Scheele Laboratory, Karolinska Institutet from 2008-2013, which spans the entire period of the experiments in this study. ‡ Pathogen status of the conventional facility at Medical Inflammation Research at Lund University at approximately the same date as the experiment shown in figure 3A was made. 4 Pinworms.