

Description of Additional Supplementary Files

File Name: Supplementary Movie S1

Description: **Animation of outbreak transmission chains.** Monthly confirmed and probable dog cases coloured by genetic lineage (as per Fig. 4) shown together with the map of inferred transmission links. Squares represent sequenced cases, and circles unsequenced (unsampled) cases, except for case 45 which was not sequenced but assigned to lineage 2 based on its epidemiological link to the sequenced human case (not shown). The illustrated chains are from the consensus transmission tree with case locations simulated in proportion to human population density and pruning by the 99th percentiles of the serial interval and dispersal kernel.