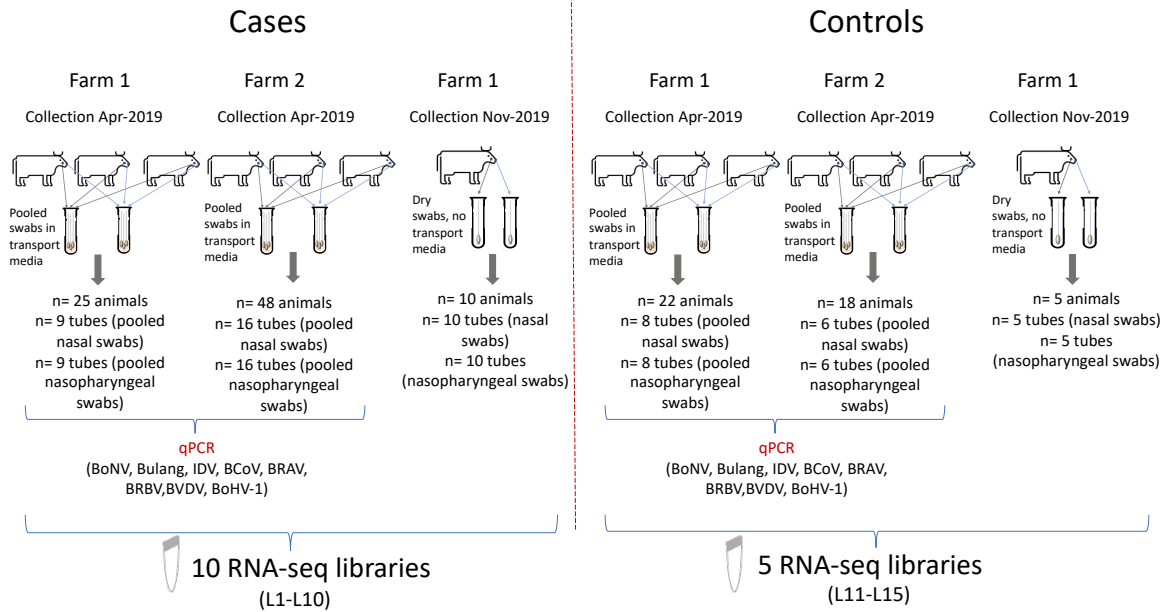


*Additional file 2*



**Sample collection in farms 1 and 2 of cases and controls.** Samples collected in April of 2019 were pooled (3 nasal swabs in one tube and 3 nasopharyngeal swabs from the same 3 animals in a separate tube). All these pooled samples were subsequently analyzed using qPCR for eight viruses of interest. Pooled samples from cases and from controls from all sampling schemes were used to construct the sequence libraries.