**Dataset 1, n=4067 farms:** Full dataset of farms amalgamated from single-site, multi-site, SH and CC surveys.

**Data reduction 1**

**Dataset 2, n=3308 farms:** These farms were captured by either the SH or CC surveys and were used to infer between-farm association frequency.

**Data reduction 2**

**Dataset 3, n=662 farms:** These farms were captured by both SH and CC surveys. Their PND informed between-farm association frequencies were used in a geographical comparison following extrapolation of this network information to the GBPR.

**Data reduction 3**

**Dataset 4, n=348 farms:** These farms have complete data across all farm-level predictor variables and therefore were used in the statistical modelling analyses.