

Orange = Skin lesion, Yellow = Abcess, Red = Pus, Light blue = Subclinical mastitis and Brow = Raw milk. B-D Null distributions of simulated association scores for (B) Score 1, (C) Score 2, (D) Score 3, a significance threshold (red), above which real associated genes are indicated. E-G: Manhattan plots for (E) Score 1, (F) Score 2, (G) Score 3 showing association score values for all genes, a significance threshold (red), above which points indicate significant associations.