

Annex 4 Statistical analysis of the evolution of parasite prevalence in Candiero (S= Significant difference; NS= non-significant difference) (before* = years 2007-2008; outbreak**= years 2015-2016-2018; after ***= years 2009 to 2018)

| Years | χ^2 | OR | Conclusion |
|-----------------------|----------------|------------------|------------|
| 2007 vs 2008 | 22.0 | 0.55 [0.43-0.71] | S |
| 2008 vs 2009 | 37.4 | 0.43 [0.33-0.57] | S |
| 2009 vs 2010 | 35.8 | 0.28 [0.18-0.44] | S |
| 2010 vs 2011 | 0.16; $p=0.69$ | 0.82 [0.31-2.16] | NS |
| 2011 vs 2012 | 0.79; $p=0.37$ | 0.59 [0.18-1.90] | NS |
| 2016 vs 2018 | 0.12; $p=0.73$ | 0.86 [0.36-2.04] | NS |
| 2016 vs 2007 | 7.39 | 0.38 [0.18-0.78] | S |
| 2016 vs 2008 | 1.09; $p=0.29$ | 0.68 [0.33-1.39] | NS |
| 2018 vs 2007 | 8.91 | 0.44 [0.25-0.76] | S |
| 2018 vs 2008 | 0.68; $p=0.41$ | 0.79 [0.46-1.36] | NS |
| Before* vs outbreak** | 45.3 | 0.28 [0.19-0.41] | S |
| Before* vs after*** | 358 | 0.17 [0.14-0.21] | S |