**Appendix S1: Goodness-of-fit tests of capture-mark-recapture models for the MLH**

Table S1 : Results of the different components of goodness-of-fit tests for the general model. Significant tests are indicated by the ‘\*’ symbol.

|  |  |  |  |
| --- | --- | --- | --- |
| Test | χ2 | df | ĉ |
| WBWA\* | 378.933 | 141 |  |
| 3G.SR\* | 13.725 | 3 |  |
| 3G.SM | 343.586 | 378 |  |
| M.ITEC\* | 267.136 | 114 |  |
| M.LTEC\* | 229.637 | 129 |  |
| Global Test\* | 1233.017 | 765 | 1.611787 |

Table S2 : Results of the global goodness-of-fit tests for the general model by cohort. No test was statistically significant.

|  |  |  |  |
| --- | --- | --- | --- |
| Test | χ2 | df | ĉ |
| 1995 | 218.334 | 257 |  |
| 1996 | 120.479 | 158 |  |
| 1997 | 437.023 | 389 |  |
| 1998 | 338.944 | 297 |  |
| Global | 1114.78 | 1101 | 1.012516 |