In the main text we present results from multiple regressions where all terms of interest are included in the multivariate model. To test the robustness of this approach, below we also present the results of a stepwise model selection where terms are removed from the model based on the p-value of each effect

Supplementary Table 3. Results of model selection dropping terms

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Buffer | Variables in model  | Variable dropped  | F-value | P-value |
| 3km  | Nearest straight line distance from hive to road Anthropogenic land areaNumber of peopleVegetation area | - | 3.17 | 0.04 |
| Nearest straight line distance from hive to road Anthropogenic land areaVegetation area | Number of people | 4.46 | 0.02 |
| Nearest straight line distance from hive to road Anthropogenic land area | Number of people Vegetation area | 5.04 | 0.02 |
| Nearest straight line distance form hive to road | Number of people Vegetation areaAnthropogenic area | 9.96 | 0.005 |
| 500m | Nearest straight line distance from hive to road Total road length Anthropogenic land areaNumber of dwellingsVegetation area | - | 4.34 | 0.01 |
| Nearest straight line distance from hive to road Anthropogenic land areaNumber of dwellingsVegetation area | Total road length | 5.10 | 0.007 |
| Nearest straight line distance from hive to road Anthropogenic land areaVegetation area | Total road lengthNumber of dwellings | 6.33 | 0.004 |