**S3 Table**. Summary of combinations of environmental variables used in the GLMMs analysing bird species richness and warbler relative abundances. Time since fire (TSF) is replaced by TSF + TSF2, if the quadratic term has been previously selected (Table S2). Similarly, the interaction TSF\*WDT was replaced by TSF2\*WDT. “Vegetation layers” corresponds to seven different combinations of the three vegetation height layers (measured as % foliage cover).

|  |  |
| --- | --- |
| **Number** | **Combination of explanatory variables analysed** |
| 01 | TSF |
| 02 | TSF + Vegetation layers |
| 03 | TSF + HABITAT + AREA + Vegetation layers |
| 04 | TSF + HABITAT + Vegetation layers |
| 05 | TSF + PATCHES |
| 06 | TSF + PATCHES + Vegetation layers |
| 07 | TSF + PATCHES + HABITAT + AREA + Vegetation layers |
| 08 | TSF + PATCHES + HABITAT + Vegetation layers |
| 09 | TSF + LOGGING + DEBRIS |
| 10 | TSF + LOGGING + DEBRIS + Vegetation layers |
| 11 | TSF + LOGGING + DEBRIS + PATCHES |
| 12 | TSF + LOGGING + DEBRIS + PATCHES + Vegetation layers |
| 13 | TSF + LOGGING + DEBRIS + PATCHES + HABITAT + AREA + Vegetation layers |
| 14 | TSF + WDT |
| 15 | TSF + WDT + Vegetation layers |
| 16 | TSF + WDT + HABITAT + AREA + Vegetation layers |
| 17 | TSF + WDT + HABITAT + Vegetation layers |
| 18 | TSF + WDT + PATCHES |
| 19 | TSF + WDT + PATCHES + Vegetation layers |
| 20 | TSF + WDT + PATCHES + HABITAT + AREA + Vegetation layers |
| 21 | TSF + WDT + PATCHES + HABITAT + Vegetation layers |
| 22 | TSF + WDT + LOGGING + DEBRIS |
| 23 | TSF + WDT + LOGGING + DEBRIS + Vegetation layers |
| 24 | TSF + WDT + LOGGING + DEBRIS + PATCHES  |
| 25 | TSF + WDT + LOGGING + DEBRIS + PATCHES + Vegetation layers |
| 26 | TSF + WDT + LOGGING + DEBRIS + PATCHES + HABITAT + AREA + Vegetation layers |
| 27 | TSF + WDT + TSF\*WDT |
| 28 | TSF + WDT + TSF\*WDT + Vegetation layers |
| 29 | TSF + WDT + TSF\*WDT + HABITAT + AREA + Vegetation layers |
| 30 | TSF + WDT + TSF\*WDT + HABITAT + Vegetation layers |
| 31 | TSF + WDT + TSF\*WDT + PATCHES |
| 32 | TSF + WDT + TSF\*WDT + PATCHES + Vegetation layers |
| 33 | TSF + WDT + TSF\*WDT + PATCHES + HABITAT + AREA + Vegetation layers |
| 34 | TSF + WDT + TSF\*WDT + PATCHES + HABITAT + Vegetation layers |
| 35 | TSF + WDT + TSF\*WDT + LOGGING + DEBRIS |
| 36 | TSF + WDT + TSF\*WDT + LOGGING + DEBRIS + Vegetation layers |
| 37 | TSF + WDT + TSF\*WDT + LOGGING + DEBRIS + PATCHES |
| 38 | TSF + WDT + TSF\*WDT + LOGGING + DEBRIS + PATCHES + Vegetation layers |
| 39 | TSF + WDT + TSF\*WDT + LOGGING + DEBRIS + PATCHES + HABITAT + AREA + Vegetation layers |
| 40 | WDT |
| 41 | WDT+ Vegetation layers |
| 42 | WDT + HABITAT + AREA + Vegetation layers |
| 43 | WDT + HABITAT + Vegetation layers |
| 44 | WDT + PATCHES |
| 45 | WDT + PATCHES + Vegetation layers |
| 46 | WDT + PATCHES + HABITAT + AREA + Vegetation layers |
| 47 | WDT + PATCHES + HABITAT + Vegetation layers |
| 48 | WDT + LOGGING + DEBRIS |
| 49 | WDT + LOGGING + DEBRIS + Vegetation layers |
| 50 | WDT + LOGGING + DEBRIS + PATCHES |
| 51 | WDT + LOGGING + DEBRIS + PATCHES + Vegetation layers |
| 52 | WDT + LOGGING + DEBRIS + PATCHES + HABITAT + AREA + Vegetation layers |
| 53 | Vegetation layers |
| 54 | HABITAT + AREA + Vegetation layers |
| 55 | HABITAT + Vegetation layers |
| 56 | PATCHES |
| 57 | PATCHES + Vegetation layers |
| 58 | PATCHES + HABITAT + AREA + Vegetation layers |
| 59 | PATCHES + HABITAT + Vegetation layers |
| 60 | LOGGING + DEBRIS |
| 61 | LOGGING + DEBRIS + Vegetation layers |
| 62 | LOGGING + DEBRIS + PATCHES |
| 63 | LOGGING + DEBRIS + PATCHES + Vegetation layers |
| 64 | LOGGING + DEBRIS + PATCHES + HABITAT + AREA + Vegetation layers |

TSF= time since fire (years); WDT= water deficit (ml); LOGING= extension of salvage logging; DEBRIS= presence of plant debris; PATCHES= extension of unburnt patches; HABITAT= type of pre-fire habitat and AREA = burnt area (ha).