**Table S4.** Variable contribution in Principal Component Analyses using all variables (Figure S1) at total distribution area and contact zone analyses.

|  |  |
| --- | --- |
| **Variables** | **All variables** |
|
| Axis 1 | Axis 2 |
| **Total distribution area (1km)** |
| bio\_1 | 8.62 | 0.30 |
| bio\_2 | -1.31 | 13.21 |
| bio\_3 | 2.02 | 5.45 |
| bio\_4 | -7.08 | 5.25 |
| bio\_5 | 0.01 | 16.55 |
| bio\_6 | 7.54 | -2.95 |
| bio\_7 | -4.74 | 9.62 |
| bio\_8 | 6.54 | -0.66 |
| bio\_9 | 4.23 | 4.54 |
| bio\_10 | 2.66 | 8.13 |
| bio\_11 | 9.02 | -0.66 |
| bio\_12 | 1.65 | 11.67 |
| bio\_13 | 5.83 | 4.46 |
| bio\_14 | -7.28 | 0.61 |
| bio\_15 | 8.89 | -0.02 |
| bio\_16 | 5.97 | 4.84 |
| bio\_17 | -6.32 | 1.49 |
| bio\_18 | -5.86 | 1.03 |
| bio\_19 | 4.29 | 7.06 |
| ele | 0.13 | -1.50 |
| **Contact zone (100m)** |
| dist\_coast | -0.09 | 21.33 |
| ele | 16.89 | -15.68 |
| aspect | 0.11 | 17.43 |
| lito | 11.56 | 8.84 |
| pp | 11.32 | 24.69 |
| slope | 23.42 | -8.23 |
| slprng | 10.86 | 0.49 |
| tmed | -9.48 | -2.45 |
| tpi | -16.27 | 0.87 |