**Quantitative assessment of arthropod-plant interactions in forest canopies: a plot-based approach**

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**S1Table.** Site characteristics including latitude, longitude, altitude, average temperature, and annual rainfall.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Site | Latitude | Longitude | Altitude(m asl) | T(°C) | Rainfall(mm) | Reference |
| Tomakomai (JPN) | 42° 43' N | 141° 34'E | 90 | 5.6 | 1,450 | [1] |
| Lanzhot (CZE) | 48° 48' N | 17° 5'E | 152 | 9.0 | 525 | [2] |
| Mikulcice (CZE) | 48°41' N | 16°56'E | 164 | 9.0 | 525 | [2] |
| Toms Brook (USA) | 38°55' N | 78°25' W | 230 | 12.7 | 970 | [3] |
| San Lorenzo (PAN) | 9°16' N | 79°58' W | 130 | 26.0 | 3,140 | [3] |
| Wanang (PNG) | 5° 14' S | 145° 4'E | 150 | 25.8 | 4,000 | [4] |
| Numba (PNG) | 5°44’ S | 145°16’ E | 700 | 22.3 | 3,000 | [5] |
| Yawan (PNG) | 6° 9' S | 146° 50' E | 1,800 | 16.2 | 3,000 | [5] |

**References**

1. Hiura T: **Estimation of aboveground biomass and net biomass increment in a cool temperate forest on a landscape scale**. *Ecological Research* 2005, **20**:271-277.

2. Volf M, Pyszko P, Abe T, Libra M, Kotásková N, Šigut M, Kumar R, Kaman O, Butterill P, Šipoš J, et al.: **Phylogenetic composition of host plant communities drives plant‐herbivore food web structure**. *Journal of Animal Ecology* 2017, **86**:556-565.

3. Anderson‐Teixeira KJ, Davies SJ, Bennett AC, Gonzalez‐Akre EB, Muller‐Landau HC, Joseph Wright S, Abu Salim K, Almeyda Zambrano AM, Alonso A, Baltzer JL, et al.: **CTFS‐ForestGEO: a worldwide network monitoring forests in an era of global change**. *Global Change Biology* 2015, **21**:528-549.

4. Vincent JB, Henning B, Saulei S, Sosanika G, Weiblen GD: **Forest carbon in lowland Papua New Guinea: Local variation and the importance of small trees**. *Austral Ecology* 2015, **40**:151-159.

5. McAlpine JR: *Climate of Papua New Guinea*: Canberra: Commonwealth Scientific and Industrial Research Organization in association with Australian National University Press; 1983.