

Table S1. Location of the sample trees (Forest name, Altitude, Aspect, Latitude and Longitude).

| Tree species | Forest name | Altitude (m) | Slope (°) | Aspect | Latitude | Longitude |
|--------------------------|--------------|--------------|-----------|--------|----------|-----------|
| <i>Abies spectabilis</i> | Hanumante CF | 2759 | 22.5 | SE | 27.64900 | 86.18475 |
| <i>Abies spectabilis</i> | Hanumante CF | 2759 | 22.5 | SE | 27.64894 | 86.18478 |
| <i>Abies spectabilis</i> | Hanumante CF | 2753 | 38 | NE | 27.64795 | 86.18756 |
| <i>Abies spectabilis</i> | Hanumante CF | 2930 | 24.3 | NE | 27.65431 | 86.18735 |
| <i>Abies spectabilis</i> | Hanumante CF | 2930 | 24.3 | NE | 27.65433 | 86.18758 |
| <i>Abies spectabilis</i> | Hanumante CF | 2912 | 31.6 | SE | 27.65408 | 86.18781 |
| <i>Abies spectabilis</i> | Hanumante CF | 2906 | 4.6 | NE | 27.65437 | 86.18786 |
| <i>Abies spectabilis</i> | Hanumante CF | 2917 | 7.1 | SE | 27.65462 | 86.18759 |
| <i>Abies spectabilis</i> | Hanumante CF | 2928 | 7.1 | SE | 27.65500 | 86.18763 |
| <i>Abies spectabilis</i> | Hanumante CF | 2935 | 12.6 | SE | 27.65527 | 86.18758 |
| <i>Abies spectabilis</i> | Hanumante CF | 2952 | 30.1 | SW | 27.65544 | 86.18742 |
| <i>Abies spectabilis</i> | Hanumante CF | 2947 | 28.9 | SE | 27.65558 | 86.18729 |
| <i>Abies spectabilis</i> | Hanumante CF | 2955 | 35.8 | SE | 27.65570 | 86.18693 |
| <i>Abies spectabilis</i> | Hanumante CF | 2973 | 36.3 | SE | 27.65567 | 86.18674 |
| <i>Abies spectabilis</i> | Hanumante CF | 2965 | 35.3 | SE | 27.65580 | 86.18667 |
| <i>Abies spectabilis</i> | Hanumante CF | 2998 | 36.4 | SE | 27.65588 | 86.18633 |
| <i>Abies spectabilis</i> | Hanumante CF | 3030 | 38.1 | NW | 27.65687 | 86.18636 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2849 | 31.4 | SE | 27.65195 | 86.18871 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2844 | 33.8 | SE | 27.65201 | 86.18882 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2768 | 40 | NE | 27.64810 | 86.18715 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2769 | 40 | NE | 27.64826 | 86.18719 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2772 | 40 | NE | 27.64813 | 86.18728 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2767 | 38 | NE | 27.64784 | 86.18758 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2755 | 37.3 | NE | 27.64770 | 86.18764 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2753 | 32 | NE | 27.64760 | 86.18784 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2750 | 33 | NE | 27.64754 | 86.18801 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2752 | 12.7 | SE | 27.64735 | 86.18798 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2752 | 12.7 | SE | 27.64733 | 86.18781 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2749 | 27.2 | SW | 27.64706 | 86.18759 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2741 | 24.4 | SW | 27.64699 | 86.18754 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2747 | 40.3 | SW | 27.64702 | 86.18703 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2744 | 35.2 | SW | 27.64713 | 86.18689 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2733 | 29.2 | SW | 27.64694 | 86.18683 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2753 | 32.5 | SW | 27.64726 | 86.18707 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2760 | 34.6 | SW | 27.64739 | 86.18699 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2755 | 33.9 | SW | 27.64734 | 86.18646 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2763 | 26.2 | SW | 27.64820 | 86.18616 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2777 | 16 | NW | 27.64828 | 86.18668 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2771 | 12.1 | NE | 27.64855 | 86.1868 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2869 | 17.4 | SE | 27.65275 | 86.18830 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2867 | 36.6 | SE | 27.65257 | 86.18835 |
| <i>Tsuga dumosa</i> | Hanumante CF | 2886 | 22.5 | NE | 27.65348 | 86.18835 |

| Tree species | Forest name | Altitude (m) | Slope (°) | Aspect | Latitude | Longitude |
|--------------------------|--------------------|--------------|-----------|--------|----------|-----------|
| <i>Tsuga dumosa</i> | Bhatekhola CF | 2747 | 38.4 | NW | 27.67096 | 86.21570 |
| <i>Tsuga dumosa</i> | Bhatekhola CF | 2743 | 31.2 | NW | 27.67069 | 86.21489 |
| <i>Abies spectabilis</i> | Bhatekhola CF | 2767 | 10.4 | NW | 27.67096 | 86.21597 |
| <i>Abies spectabilis</i> | Bhatekhola CF | 2753 | 22.8 | NW | 27.67112 | 86.21629 |
| <i>Abies spectabilis</i> | Bhatekhola CF | 2739 | 25.3 | NW | 27.67135 | 86.21637 |
| <i>Abies spectabilis</i> | Bhatekhola CF | 2727 | 19.1 | NW | 27.67164 | 86.21646 |
| <i>Abies spectabilis</i> | Bhatekhola CF | 2715 | 18.8 | NW | 27.67171 | 86.21663 |
| <i>Abies spectabilis</i> | Kalobhir CF | 2755 | 14.1 | SW | 27.67035 | 86.21613 |
| <i>Abies spectabilis</i> | Kalobhir CF | 2741 | 26.6 | SW | 27.67054 | 86.21561 |
| <i>Abies spectabilis</i> | Kalobhir CF | 2755 | 17.3 | SW | 27.67053 | 86.21651 |
| <i>Abies spectabilis</i> | Kalobhir CF | 2762 | 21.9 | NW | 27.67057 | 86.21671 |
| <i>Abies spectabilis</i> | Kalobhir CF | 2760 | 30 | NW | 27.67069 | 86.21716 |
| <i>Abies spectabilis</i> | Kalobhir CF | 2778 | 19.9 | NW | 27.67026 | 86.21735 |
| <i>Abies spectabilis</i> | Kalobhir CF | 2790 | 40.6 | SW | 27.66983 | 86.21757 |
| <i>Abies spectabilis</i> | Kalobhir CF | 2811 | 8.4 | NW | 27.66996 | 86.21783 |
| <i>Pinus wallichiana</i> | Jireshowri CF | 1948 | 26.3 | SW | 27.63221 | 86.23427 |
| <i>Pinus wallichiana</i> | Jireshowri CF | 1948 | 26.3 | SW | 27.63223 | 86.23451 |
| <i>Pinus wallichiana</i> | Jireshowri CF | 1970 | 42 | SW | 27.63236 | 86.23508 |
| <i>Pinus wallichiana</i> | Jireshowri CF | 1972 | 42 | SW | 27.63234 | 86.23525 |
| <i>Pinus wallichiana</i> | Jireshowri cf | 1951 | 9 | SW | 27.62384 | 86.23577 |
| <i>Pinus wallichiana</i> | Jireshowri cf | 1947 | 23 | SW | 27.62387 | 86.23565 |
| <i>Pinus wallichiana</i> | Jireshowri cf | 1942 | 38 | NW | 27.62386 | 86.23557 |
| <i>Pinus wallichiana</i> | Jireshowri cf | 1943 | 38 | NW | 27.62381 | 86.23550 |
| <i>Pinus wallichiana</i> | Jireshowri cf | 1941 | 38 | NW | 27.62387 | 86.23550 |
| <i>Pinus wallichiana</i> | Jireshowri cf | 1954 | 38 | NW | 27.62394 | 86.23558 |
| <i>Pinus wallichiana</i> | Jireshowri cf | 1945 | 38 | NW | 27.62393 | 86.32559 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1867 | 16.3 | NE | 27.62199 | 86.22856 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1872 | 16 | NE | 27.62174 | 86.22859 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1852 | 12 | NE | 27.62175 | 86.22891 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1858 | 26.5 | NE | 27.62243 | 86.22855 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1859 | 26.5 | NE | 27.62263 | 86.22052 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1861 | 31 | NE | 27.62257 | 86.22836 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1890 | 27 | NE | 27.62259 | 86.22820 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1891 | 27 | NE | 27.62267 | 86.22819 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1889 | 19 | NE | 27.62277 | 86.22795 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1890 | 19 | NE | 27.62284 | 86.22789 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1897 | 24 | NE | 27.62264 | 86.22762 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1926 | 23 | NE | 27.62267 | 86.22758 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1927 | 18 | NE | 27.62317 | 86.22729 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 1937 | 18 | NE | 27.62341 | 86.22710 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 2000 | 17 | NE | 27.62384 | 86.22526 |
| <i>Pinus wallichiana</i> | Debithan kimane CF | 2037 | 5 | NE | 27.62397 | 86.22336 |