

Supporting Information

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Table S1. Background information on the 15 sample populations of *Ageratina adenophora*

| Site | Country | Latitude (N) | Longitude | Altitude, m | Plant height, cm | Habitat |
|-----------------------------------|---------|--------------|-----------|-------------|------------------|------------------------------------|
| Umécuaro, Morelia, Michoacán | Mexico | 19°42' | W101°11' | 2,700 | 50–70 | Evergreen forest |
| Queréndaro, Michoacán | Mexico | 19°52' | W100°54' | 2,300 | 50–70 | Pine, holm oak |
| Acebuche, Tarimoro, Jalisco | Mexico | 20°25' | W102°10' | 2,250 | 50–70 | Evergreen forest |
| Pinal de Amoles, Querétaro | Mexico | 20°35' | W100°23' | 1,830 | 50–70 | Pine, oak, prickly thicket |
| San Miguel de Allende, Guanajuato | Mexico | 20°55' | W100°45' | 1,900 | 50–70 | Prickly Thicket |
| Menglun, Mengla, Yunnan | China | 21°58' | E101°13' | 640 | 80–100 | Crop fields |
| Taizhong, Jingdong, Yunnan | China | 24°28' | E100°55' | 1,610 | > 100 | Evergreen forest |
| Tailzhong, Jingdong, Yunnan | China | 24°29' | E100°59' | 1,950 | > 100 | Evergreen forest |
| Xujiaba, Jingdong, Yunnan | China | 24°31' | E101°00' | 2,310 | 80–100 | Evergreen forest |
| Kunming, Yunnan | China | 25°06' | E102°50' | 2,200 | > 100 | Secondary forest |
| Mussoorie Road, Uttrakhand | India | 30°25' | E78° 4' | 1,600 | 80–100 | Hilly slope |
| Mussoorie Road, Uttrakhand | India | 30°25' | E78°44' | 1,600 | 80–100 | Hilly slope |
| Mussoorie, Uttrakhand | India | 30°26' | E78°44' | 1,825 | > 100 | Broadleaved sclerophyllous forests |
| Mussoorie, Uttrakhand | India | 30°26' | E78°41' | 1,825 | > 100 | Broadleaved sclerophyllous forests |
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