Field Hybridization Study: To estimate the potential for between-clade hybridization, we supplemented literature data by adding additional examples from other locations. We chose sites in which diploids from both clades were dominants within chaparral stands (cover >85%); these included *A. silvicola* and *A. sensitiva* (Bonny Doon Ecological Reserve, Santa Cruz Mountains, California [CA]), *A. pajaroensis* and *A. hookeri* (Manzanita Park, Prunedale, CA), *A. canescens* and *A. stanfordiana* (Mt. George, Napa, CA), and *A. andersonii and A. sensitiva* (China Grade Road, central Santa Cruz Mountains, CA). Five random 20 m transects were used to collect samples yielding around 100 or more individuals in each case. For one additional within-clade example, we estimated the proportion of hybrids at an edaphic interface between a Sand Hill maritime endemic, *Arctostaphylos silvicola,* and a redwood forest edge species, *A. andersonii* (Bonny Doon Ecological Reserve, Santa Cruz Mountains, CA [California, USA]); we used leaf characters, inflorescence traits, and pubescence to estimate the proportion of hybrids. The parapatric edaphic interface was limited and putative hybrids were found only along the interface between these two distinct natural communities. This was the smallest data set of n=63.

Key to the morphological traits used for the hybridization study:

|  |  |
| --- | --- |
| lflngth | leaf length |
| lfwdth | leaf width |
| lfLbyW | ratio leaf L/W |
| L2WideLfW | length above petiole widest lf width |
| L2wideLflint | ratio lf width/leaf length to widest point |
| apex | apex angle |
| base | leaf base angle  |
| petlngth | petiole length |
| lfPL/L | ratio: petiole length/leaf length |
| lfcolor | leaf color (green<->grey) (0-1) |
| lfpubes | leaf pubes (glabrous<->very pubescent) (0-1) |
| stoma | stomata (iso, hetero, bi) (0, 1, 2) |
| petipubs | petiole pubescence (glabr<->verypub) (0-2) |
| brchletpubs | branchlet pubescence (glabr<->verypub) (0-2) |
| rachispubs | rachis pubescence (glabr<->verypub) (0-2) |
| bracttype | bracts leafy/interm/scaly (0,1,2) |
| inflrBrnch | #branches/inflor |
| rachnode | rachis nodes condensed <-> well-spaced (0-1) |
| bractL | bract length |
| bractW | bract width |
| glands | glandular hairs absent/present (0,1) |
| DimorphHair | multiple hair types absent, present (0,1) |
| Bark texture | bark smooth red, intermediate, grey shreddy (0,1,2) |