B. pulchra
B. linconensis
B. xylopoda
Mojave and Sonora Deserts
Chaparral
(Great Basin E)
(Sierra Nevada)
B. glaucovalvula
B. fernaldiana
Great Basin W and E
(Mojave Desert)
B. shockleyi
B. inyoensis
putative hybrids?
Klamath/Siskiyou
(Great Basin W)
(Chaparral)
B. breweri
B. sparsiflora (10x) CA, NV, ID Great Bas. W, SnaCol. Casc. B. suffruticosa (7x) Sierra Nev. CA, B. retroflacta (7x) Alberta (Canada), B. breweri (7x) Klam/Sis, B. alcuinbens (1x) WA Casc.
Great Basin W
Snake/Columbia
(Cascades)
(Sierra Nevada)
(Alberta)
(Klamath/Siskiyou)
B. sparsiflora
B. pauciflora
Cascades
Klamath/Siskiyou
(Montana Valley)
(Snake/Columbia)
(Northern Central Rockies)
B. platysperma
B. rigidissima
Sierra Nevada N
(Chaparral)
(Klamath/Siskiyou)
(Cascades)
Central Rockies S
Great Basin E
Canadian Forests
Wasatch/Uinta
B. lemmonii
Cascades
Sierra Nevada
Central Rockies S and N
Great Basin
(Colorado Plateau)
B. stricta
B. "divaricarpa"
B. lyallii
(B. collinsii)
(B. retroflacta)
B. pubescula
Great Basin W
Snake/Columbia
(Cascades)
B. davidsonii
Great Basin W
Sierra Nevada
B. cobrensis
Snake/Columbia
Wyoming Basin
(Great Basin W)
(Southern Central Rockies)
B. constancei
Sierra Nevada N
B. arcuata
B. rectissima
B. sparsiflora?
Sierra Nevada S and N
Chaparral
(Klamath/Siskiyou)
(South Central Rockies)
B. stricta
Colorado Rockies
B. texana
B. fendleri?
Chihuahua Desert
(Colorado Rockies)
hybrid swarm?
Great Basin E
Colorado Plateau
B. "divaricarpa"
B. stricta
Eastern Canada
(Cascades)
B. fendleri
Mojave Desert
B. pulchra
B. formosa
Colorado Plateau
hybrids?
Colorado Plateau
B. demissa
B. oxyloba
Colorado Plateau
Colorado Rockies
Wasatch/Uinta
B. pendulocarpa
(Wyoming Basin)
(South Central Rockies)
(Alberta Mountains)
B. subjuinnatifida
Klamath/Siskiyou
B. "divaricarpa"
South Central Rockies
(Great Basin W)
B. perennans (2x) Great Bas E, Was/Un, B. "sparsiflora" (1x) Great Bas E, B. parishii (2x) Mont Chap, B. fendleri (5x) Mo Des, Chihua Des, B. fernaldiana var. vivariensis (1x) Col Plat, B. gracilipes (4x) Col Plat, Ariz Mon, Great Bas E, B. pusilla (3x) Cent Rock S, B. pinetorum (3x) Great Bas E, B. crandallii (1x) Col Plat, B. retroflacta (1x) Great Bas W, B. pendulina (1x) Mo Des, B. "hoboellii" (1x) Great Bas E
Great Basin E and W
Colorado Plateau
(Chihuahua and Mojave Desert
Chaparral, South Central Rockies,
Arizona Mountains, Wasatch/Uinta)
B. cobrensis (7x) SnaCol, Great Bas W; B. "divaricarpa" (2x) Klam/Sis, Casc; B. gracilentа (6x) Col Plat, Was/Un, B. macounii (1x) Col Plat, B. lyallii (3x) Casc, Cent Rock S, B. inyoensis (1x) Great Bas W, B. gunnisoniana (1x) Col Plat, B. perennans (1x) Col Plat, B. lasiocarpa (1x) Great Bas E, B. lignifera (2x) Was/Un, Great Bas E, B. pattersonii (5x) Col Plat, Was/Un, B. pinetorum (2x) Great Bas W, B. retroflacta (1x) Sierra Nev.
Colorado Plateau
Great Basin E and W
Wasatch/Uinta
Snake/Columbia
(South Central Rockies,
Cascades, Klamath/Siskiyou,
Sierra Nevada)
B. pendulina (4x) Col Plat, Was/Un, B. perennans (10x) Moj Des, Son Des, Col Plat, Great Bas E, B. johnstonii (1x) Mont Chap, B. linconensis (1x) Moj Des, B. caelicola (1x) Sierra Nev, B. retroflacta (2x) Great Bas W, B. fendleri (1x) Great Bas E, B. pendulina var. (3x) Col Plat, Was/Un
Mojave and Sonora Desert
Colorado Plateau
Great Basin E and W
(Sierra Nevada, Chaparral,
Wasatch/Uinta)
B. pendulocarpa
B. rectissima
B. sparsiflora
South Central Rockies
Colorado Rockies
(Klamath/Siskiyou)
(Great Basin)
(Montana Valley)
(Sierra Nevada)
(Okanogan)
B. cusickii (3x) Pal Gras, B. "divaricarpa" (8x) Cent Rock S and N, Wes Can For, Eastern Canada, Casc, Blu Mon, SnaCol, REAL B. hoboellii (3x) Greenland, B. retroflacta (57x) Alaska, Alberta, Blu Mon, Casc, Col Rock, Eastern Canada, Great Basin E and W (only 8 accessions) Yukon, Mont Val, Okan, Cent Rock N and S, Sierra Nevada, SnaCol, Was/Un, Wyo Bas, B. lignifera (3x) Cent Rock S, Okan, Great Bas E, Was/Un, Yukon, B. pinetorum (1x) Great Bas E, B. platysperma (1x) Casc, B. polyanthа (3x) Casc, Okan, Cent Rock N, B. pusilla (1x) Great Bas W, B. "sparsiflora" (4x) Great Bas W, SnaCol, Cent Rock S, B. sparsiflora (1x) Great Bas W, B. pauciflora (4x) Great Bas W and E, SnaCol, B. hybrid (2x) Great Bas E, B. "hoboelli" (4x) Was/Un, Casc, Great Bas W, B. collinsii (8x) Mont Val, Mixed Grass, Eastern Canada, Yukon, B. pendulocarpa (3x) Casc, B. pinetorum (3x) Sierra Nev, Mont Val, Great Bas W, B. macounii (7x) Cent Rock S, Great Bas W, Blu Mon, SnaCol
South Central Rockies (27)
Great Basin E and W (26)
Snake/Columbia (9)
Cascades (7)
Eastern Canada (7)
Sierra Nevada (6)
Okanogan (5)
Wasatch/Uinta (5)
Alaska/Yukon (4)
North Central Rockies (4)
Montana Valley Foothill Grasslands (4)
Blue Mountains (3)
Colorado Rockies (3)
Palouse Grasslands (3)
Greenland (2)
Western Canada (2)
Wyoming Basin (1)
others (3)
B. laevigata
B. missourensis
B. perstellata
B. dentata
Borodinia
Polytenium
Sandbergia
B. reparda
Anelsonia
Pennellia
Cusickiella
Capsella
Distance
0.01
Abbreviations ecoregions/political regions
Alaska - political region
Alb Mount - Alberta Mountain Forest
Alberta - political region
Ariz Mon - Arizona Mountains
Blu Mon - Blue Mountains
Can Asp - Canadian Aspen Forest and Parkland
Casc - Cascades
Cent Rock N - North Central Rockies
Cent Rock S - South Central Rockies
Chi Des - Chihuahua Desert
Col Plat - Colorado Plateau
Col Rock - Colorado Rockies
Eastern Canada - any ecoregion Eastern Canada
Great Bas E, W, cent. - Great Basin East, West, Central
Greenland - political region
Int Chap - Interior Chaparral
Klam/Sis - Klamath/Siskiyou
Mixed Gras - Mixed Grasslands
Moj Des - Mojave Desert
Mont Chap - Montane Chaparral
Mont Val - Montana Valley Foothill and Grasslands
Okan - Okanogan Forest
Pal Gras - Palouse Grasslands
Sierra Nev - Sierra Nevada
Sna/Col - Snake/Columbia Plateau
Son Des - Sonora Desert
Was/Un - Wasatch/Uinta
Wes Can For - Western Canadian Forest
Wyo Bas - Wyoming Basin
Yukon - political region