Appendix S1. Subset (*n* = 171) of publications employing SRAP markers that demonstrated descriptive statistics of amplification results and polymorphism rates. References are provided in Appendix S2.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Taxon | Common name | Markersa | Individuals | Loci | Fragments/locus | Polymorphisms/locus | % Polymorphic | Analysis methodsb | Reference |
| *Abelmoschus esculentus* | okra | SRAP | 23 | 39 | 2.5 | 0.3 | 50.5 | UPGMA | Gulsen et al. (2007) |
| *Acer* spp. | maple | SRAP | 31 | 11 | 16.9 | 16.6 | 98.4 | UPGMA | Q. Li et al. (2010) |
| *Aechmea* hybrids | bromeliad | SRAP | 42 | 16 | — | 9.7 | — | QTL mapping | W. Wang et al. (2012) |
| *Aechmea* spp. | bromeliad | SRAP | 16 | 16 | 16.6 | 10.3 | 61.9 | UPGMA, PCoA | Zhang et al. (2012a) |
| *Agrostis* spp. | bentgrass | SRAP, EST | 1000 | 56 | 1.4 | — | — | Min evolution | Dinler and Budak (2008) |
| *Allium fistulosum* | scallion, green onion | SRAP | 20 | 161 | — | 2.1 | — | UPGMA | Y. Y. Li et al. (2007) |
| *Ananas comosus* | pineapple | SRAP | 61 | 35 | 16.2 | 11.0 | 67.7 | UPGMA | Dou et al. (2010) |
| *Apium graceolens* | celery | SRAP, SSR  | 60 | 40 | 22.2 | 20.9 | 94.1 | UPGMA, STRUCTURE | S. Wang et al. (2011) |
| *Aquilaria sinensis* | Incense tree | SRAP, ISSR | 112 | 20 | 16.7 | 12.9 | 77.5 | UPGMA | Zou et al. (2012) |
| *Arachis* and hybrids | peanut | SRAP | 48 | 60 | 10.5 | 5.9 | 55.9 | UPGMA, PCA | Ren et al. (2010) |
| *Arundo donax*  | giant cane | SRAP, TE-based | 185 | 10 | 18.5 | — | — | similarity indices | Ahmad et al (2008) |
| *Boehmeria nivea* | Ramie | SRAP | 35 | 33 | 10.1 | 8.6 | 85.5 | UPGMA | L. J. Liu et al. (2008) |
| *Brassica* hybrids | cauliflower × mustard hybrid | SRAP, RFLP, CAPS | 8 | 20 | 26.4 | 8.4 | 31.8 | UPGMA | G. X. Wang et al. (2011) |
| *Brassica juncea* | leaf mustard | SRAP | 95 | 8 | 40.8 | 20.1 | 49.4 | UPGMA, PCoA | Wu et al. (2009) |
| *Brassica napus* | oilseed rape | SRAP | 130 | 25 | 20.4 | 4.9 | 24.2 | UPGMA | Wen et al. (2006) |
| *Brassica napus* | oilseed rape | SRAP | 4 | 20 | 21.0 | 5.8 | 27.7 | — | Zhang et al. (2006) |
| *Brassica napus* | oilseed rape | SRAP | 258 | 170 | 1.1 | — | — | QTL mapping | Chen et al. (2007) |
| *Brassica napus* | oilseed rape | SRAP, RAPD, SSR | 90 | 260 | — | 1.6 | — | QTL mapping | Fu et al. (2007) |
| *Brassica napus* | oilseed rape | SRAP, AFLP, SSR | 184 | 61 | 2.5 | — | 91.3 | LM | H. Li et al. (2007) |
| *Brassica napus* | oilseed rape | SRAP | 58 | 1634 | 8.3 | — | — | LM | Sun et al. (2007) |
| *Brassica napus* | oilseed rape | SRAP, SSR | 150 | 104 | — | 9.0 | — | LM | G. Chen et al. (2010) |
| *Brassica napus* | oilseed rape | SRAP, SSR | 51 | 25 | — | 7.9 | — | UPGMA | Tan et al. (2009) |
| *Brassica oleracea* | broccoli, cauliflower, kale | SRAP, AFLP | 28 | 16 | 8.1 | — | — | LM | Li and Quiros (2001) |
| *Brassica oleracea* | broccoli | SRAP, AFLP, SSR | 9 | 23 | — | — | — | cluster analysis | Hale et al. (2007) |
| *Brassica oleracea* | broccoli | SRAP, AFLP, SSR, RFLP, CAPS | 140 | 27 | — | 2.1 | — | LM, QTL mapping | Okazaki et al. (2007) |
| *Brassica oleracea* var. *botrytis* | cauliflower | SRAP, RAPD, ISSR | 32 | 7 | 16.0 | 12.6 | 78.6 | UPGMA | Y. Wang et al. (2011) |
| *Brassica rapa* | Chinese cabbage | SRAP, AFLP, RAPD, SSR, ISSR, isozyme | — | 33 | — | 4.4 | — | LM | Yang et al. (2007) |
| *Brassica rapa* ssp*. chinensis* | bak choi | SRAP, RAPD, SSR, ISSR | 112 | 90 | — | 1.7 | — | LM | Geng et al. (2007) |
| *Brassica rapa* ssp. *pekinensis* | Chinese cabbage | SRAP, SSR | 142 | 247 | 30.0 | 22.7 | 75.7 | LM, QTL mapping | Li et al. (2012) |
| Bromeliaceaehybrids | bromeliad | SRAP | 39 | 11 | 42.6 | 39.6 | 93.0 | UPGMA, PCoA | Zhang et al. (2012b) |
| *Buchloe dactyloides* | buffalograss | SRAP | 53 | 34 | 7.1 | 7.1 | 99.2 | UPGMA, PCA | Budak et al. (2004a) |
| *Buchloe dactyloides* | buffalograss | SRAP, RAPD, SSR, ISSR | 15 | 30 | 8.8 | 8.3 | 94.7 | UPGMA, AMOVA | Budak et al. (2004b) |
| *Buchloe dactyloides* | buffalograss | SRAP, RAPD, SSR | 20 | 14 | 2.6 | — | — | cluster analysis, AMOVA | Budak et al. (2005) |
| *Buchloe dactyloides* | buffalograss | SRAP | 46 | 207 | 13.0 | — | — | QTL mapping | Y. J. Zhou et al. (2011) |
| *Camellia oleifera* | tea oil | SRAP, ISSR | 60 | 11 | 5.8 | 5.5 | 9.1 | cluster analysis | T. Zhang et al. (2011) |
| *Carthamus* spp. | distaff thistles | SRAP | 47 | 12 | 24.4 | 18.7 | 76.5 | UPGMA, AMOVA, PCoA, Shannon | Talebi et al. (2012b) |
| *Celosia* spp. | cockscomb | SRAP | 22 | 10 | 50.7 | 27.4 | 54.0 | UPGMA, Shannon, Nei | N. Feng et al. (2009) |
| *Chaenomeles* spp. and hybrids | flowering quince | SRAP | 32 | 22 | — | 6.9 | — | UPGMA | M. M. Wang et al. (2010) |
| *Chrysanthemum indicum* | chrysanthemum | SRAP | 360 | 24 | 9.9 | 8.5 | 86.1 | UPGMA, *Gst* | Fang et al. (2012) |
| *Chrysanthemum morifolium* | Hardy garden mum | SRAP | 144 | 261 | 3.4 | 2.3 | 68.2 | QTL mapping | F. Zhang et al. (2011a) |
| *Chrysanthemum morifolium* | Hardy garden mum | SRAP | 12 | 62 | — | 5.6 | — | QTL mapping | F. Zhang et al. (2011b) |
| *Cibotium barometz* | woolly fern | SRAP | 79 | 10 | 10.7 | 9.1 | 85.0 | UPGMA | You and Deng (2012) |
| *Citrullus lanatus* | watermelon | SRAP, AFLP, RAPD, SSR, ISSR | 100 | 69 | — | 3.2 | — | UPGMA | Levi et al. (2006) |
| *Citrullus* spp. and hybrids | watermelon | SRAP, TRAP, HFO-TAG | — | 73 | — | 2.7 | — | LM | Levi et al. (2011) |
| *Citrus aurantium* | bitter orange | SRAP, SSR | 51 | 21 | 9.1 | 8.0 | 87.0 | UPGMA | Polat et al. (2012) |
| *Citrus* hybrids | citrus | SRAP, RAPD, SSR, ISSR, POGP, RGA | 168 | 134 | 2.9 | — | — | LM | Gulsen et al. (2010) |
| *Citrus* spp. | citrus | SRAP, SSR, SNP | 24 | 33 | 21.3 | 19.9 | 93.2 | UPGMA | Amar et al. (2011) |
| *Citrus* spp. | citrus | SRAP, SSR–flanking regions | 24 | 10 | 2.4 | — | — | NJ, MP | Amar (2012) |
| *Citrus* spp. (clementine group) | clementine | SRAP | 42 | 21 | 6.0 | 0.2 | 4.0 | UPGMA | Uzun et al. (2011b) |
| *Citrus* spp. (grapefruit group) | grapefruit/pomelo | SRAP | 27 | 21 | 6.9 | 4.3 | 62.5 | UPGMA | Uzun et al. (2011c) |
| *Citrus* spp. (lemon group) | lemon | SRAP, SSR | 56 | 21 | 8.7 | 6.7 | 77.0 | UPGMA | Uzun et al. (2011a) |
| *Codonopsis tangshen* | bellflower | SRAP, ISSR | 18 | 29 | 11.3 | 9.2 | 80.9 | cluster analysis, Shannon | Chen et al. (2009) |
| *Coffea arabica* | coffee | SRAP | 64 | 31 | 23.0 | — | — | similarity indices | Mishra et al. (2011) |
| *Cucumis melo* | muskmellon | SRAP | 116 | 29 | 7.6 | 6.4 | 85.4 | LM | Wang et al. (2008) |
| *Cucumis melo* | muskmellon | SRAP | 61 | 16 | 28.3 | 16.6 | 58.6 | LM | Y. Chen et al. (2010) |
| *Cucumis melo* | muskmellon | SRAP, RAPD, ISSR | 82 | 8 | 3.4 | 2.3 | 66.7 | UPGMA, Shannon, Nei | Yildiz et al. (2011) |
| *Cucumis sativus* | cucumber | SRAP, ISSR | 112 | 26 | — | 2.3 | — | QTL mapping | Yeboah et al. (2008) |
| *Cucumis sativus* | cucumber | SRAP | 125 | 5 | — | — | 2.7 | QTL mapping | S. Chen et al. (2010) |
| *Cucumis sativus* | cucumber | SRAP, AFLP | 20 | 4 | 27.3 | 24.0 | 88.1 | LM, QTL mapping | Devran et al. (2011) |
| *Cucumis sativus* | cucumber | SRAP | 130 | 34 | 5.4 | 2.6 | 48.4 | QTL mapping | Meng et al. (2012) |
| *Cucurbita maxima* | large winter squash | SRAP, AFLP | 120 | 10 | 8.8 | 5.0 | 56.8 | UPGMA, PCoA, Nei | Ferriol et al. (2004a) |
| *Cucurbita moschata* | small winter squash | SRAP, AFLP | 47 | 11 | 13.5 | 8.9 | 66.2 | UPGMA, PCoA, Nei | Ferriol et al. (2004b) |
| *Cucurbita pepo* | field pumpkin | SRAP | 69 | 11 | 8.0 | 5.8 | 72.7 | UPGMA, PCoA, Nei | Ferriol et al. (2003) |
| *Cymbidium kanran* | cold-growing cymbidium | SRAP | 51 | 11 | 53.3 | 45.8 | 86.0 | UPGMA | Jian and Zhu (2010) |
| *Cynara cardunculus* | artichoke thistle | SRAP | 26 | 8 | — | 34.4 | — | Ward’s method | Cravero et al. (2008) |
| *Cynodon* hybrids | Bermudagrass | SRAP | 24 | 30 | 9.1 | 8.3 | 90.9 | UPGMA | Wang et al. (2009) |
| *Cynodon radiatus* | Bermudagrass | SRAP | 33 | 15 | 25.5 | 24.7 | 97.1 | UPGMA, PCoA | Huang et al. (2012) |
| *Cynodon* spp. | Bermudagrass | SRAP, RAPD, ISSR, POGP | 182 | 34 | — | 5.4 | — | UPGMA, AMOVA | Gulsen et al. (2009) |
| *Cyperus difformis* | variable flatsedge  | SRAP | 85 | 12 | 6.1 | — | — | Outcrossing rates | Merotto et al. (2009) |
| *Dactylis glomerata* | orchard grass | SRAP, RAPD | 45 | 21 | 22.9 | 19.3 | 84.4 | UPGMA, Nei | Zeng et al. (2008) |
| *Dactylis glomerata* | orchard grass | SRAP | 142 | 16 | 9.4 | 4.4 | 47.0 | UPGMA | W. Xie et al. (2010a) |
| *Dactylis glomerata* | orchard grass | SRAP, SSR | 113 | 36 | — | 3.0 | — | LM | W. Xie et al. (2010b) |
| *Dendrobium loddigesii*  | Loddiges’ dendrobium | SRAP | 92 | 17 | 13.6 | 11.0 | 81.0 | UPGMA | Cai et al. (2011) |
| *Dendrobium officinale* | white dendrobium | SRAP | 84 | 4 | 27.3 | 24.0 | 88.1 | SCAR marker development | Ding et al. (2008) |
| *Dendrobium* spp. | bamboo orchid | SRAP, RAPD | 9 | 40 | 49.4 | 44.6 | 90.2 | UPGMA | Fan et al. (2010) |
| *Dendrobium* spp. | bamboo orchid, Singapore orchid | SRAP, RAPD | 90 | 10 | 9.8 | 6.5 | 66.3 | LM | Xue et al. (2010) |
| *Dendrobium* spp. | bamboo orchid | SRAP, EST-SSR, ISSR, RAPD | 92 | 28 | — | 5.1 | — | LM | Lu et al. (2012) |
| *Dianthus* spp. and cultivars | pinks | SRAP, ISSR | 24 | 11 | 15.0 | 14.4 | 95.8 | UPGMA | Fu et al. (2008) |
| *Diospyros kaki* and related taxa | Japanese Persimmon | SRAP | 27 | 20 | 6.8 | 5.5 | 80.9 | UPGMA, PCoA | Guo and Luo (2006) |
| *Eremochloa ophiuroides* | centipedegrass | SRAP | 49 | 11 | 62.5 | 25.4 | 40.6 | UPGMA, AMOVA, PCoA | Milla-Lewis et al. (2012) |
| *Eriobotrya* | loquat | SRAP, AFLP, SSR, ISSR | 46 | — | — | — | 67.8 | LM | Qiao et al. (2010) |
| *Euodia rutaecarpa* | Evodia | SRAP, AFLP | 33 | 10 | 18.8 | 14.5 | 77.1 | UPGMA, NJ, Shannon, Nei | Wei et al. (2011) |
| *Fagopyrum tartaricum* | buckwheat | SRAP | 10 | 26 | 11.0 | 9.0 | 82.5 | UPGMA | S. Li et al. (2009) |
| *Ficus carica* | common fig | SRAP, RAPD, SSR | 96 | 87 | — | 1.5 | — | NJ, AMOVA, PCA STRUCTURE, *Fst* | Ikten et al. (2010) |
| *Fusarium oxysporum* | Panama disease fungus | SRAP, ISSR | 15 | 4 | 4.5 | 4.5 | 100.0 | UPGMA | Baysal et al. (2009) |
| *Galega officinalis* | goat’s rue, French lilac | SRAP | 35 | 7 | 12.6 | 8.4 | 67.0 | UPGMA | Z. Wang et al. (2012) |
| *Gossypinum hirsutum* | cotton | SRAP, SSR, EST-SSR, RAPD, RGAP | 139 | 4096 | 1.2 | 0.1 | 6.9 | LM | Lin et al. (2009) |
| *Gossypinum* hybrids | cotton | SRAP | 13 | 26 | — | 6.6 | — | LM | Lin et al. (2004) |
| *Gossypinum* hybrids | cotton | SRAP, RAPD, SSR, REMAP | 207 | 121 | — | 3.6 | — | QTL mapping | D. He et al. (2007) |
| *Hedychinum* spp. | ginger lily | SRAP | 22 | 132 | — | 3.1 | — | LM | Gao et al. (2008) |
| *Helianthus tuberosus* | Jerusalem artichoke | SRAP, RAPD, ISSR | 47 | 9 | — | 21.6 | — | NJ, STRUCTURE | Wangsomnuk et al. (2011) |
| *Hibiscus cannabinus* | kenaf | SRAP, RAPD, ISSR | 180 | 78 | — | 1.3 | — | LM | Chen et al. (2011) |
| *Hippophae* spp. | sea buckthorn | SRAP | 77 | 17 | 16.9 | 11.2 | 66.6 | UPGMA | Li et al. (2010b) |
| *Hordeum vulgare* | barley | SRAP, SSR | 152 | 21 | — | 3.7 | — | LM | L. Guo et al. (2012) |
| *Lactuca sativa* | lettuce | SRAP | 50 | 18 | 30.5 | 25.8 | 84.5 | UPGMA | Liu et al. (2011) |
| *Lens culinaris* | lentil | SRAP, RAPD, SSR, RFLP, STS | 196 | 60 | 4.5 | 0.7 | 14.8 | LM | Saha et al. (2010a) |
| *Lens culinaris* | lentil | SRAP, RAPD, SSR | 206 | 60 | 4.5 | 1.8 | 40.0 | LM | Saha et al. (2010b) |
| *Lilium auratum* var. *platyphyllum* | golden-rayed lily | SRAP | 65 | 5 | — | 7.0 | — | cluster analysis, Nei | Yamamoto et al. (2012) |
| *Lilium* spp. | lily | SRAP | 23 | 19 | 12.4 | 12.3 | 98.7 | UPGMA | Chi et al. (2007) |
| *Lilium* spp. | lily | SRAP | 23 | 19 | 12.4 | 12.3 | 98.7 | UPGMA | Li et al. (2011) |
| *Litchi chinensis* and *Dimocarpus confinis* | lychee and false longan | SRAP | 32 | 9 | 37.7 | 37.6 | 99.7 | UPGMA | J. Zhou et al. (2011) |
| *Luffa* spp. | luffa | SRAP | 64 | 60 | 23.9 | 21.3 | 89.3 | UPGMA | Cui et al. (2012) |
| *Lycium ruthenicum* | buckthorn | SRAP | 174 | 31 | 15.1 | 12.8 | 85.0 | UPGMA, AMOVA, Shannon, Nei, *Gst* | Liu et al. (2012) |
| *Malus sieversii* | wild apple | SRAP, SSR | 109 | 10 | 20.9 | — | — | UPGMA | Zhang et al. (2009) |
| *Manihot esculenta* | cassava | SRAP, AFLP, SSR, EST-SSR | 210 | 15 | — | 3.7 | — | LM | X. Chen et al. (2010) |
| *Medicago sativa* | alfalfa | SRAP | 3 | 14 | 17.8 | 16.1 | 90.4 | UPGMA | Vandemark et al. (2006) |
| *Medicago sativa* | alfalfa | SRAP | 38 | 7 | 26.9 | 26.0 | 96.8 | UPGMA | Ariss and Vandemark (2010) |
| *Medicago sativa* | alfalfa | SRAP | 48 | 14 | 13.8 | 6.8 | 49.2 | UPGMA, AMOVA, PCA, *Fst* | Talebi et al. (2011) |
| *Meloidogyne incognita* | root knot nematode | SRAP | 20 | 20 | 8.8 | 1.0 | 11.4 | UPGMA | Devran and Baysal (2012) |
| *Morus* spp. | mulberry | SRAP | 23 | 12 | 6.9 | 4.9 | 71.1 | UPGMA, Nei | Zhao et al. (2009) |
| *Musa* hybrids | banana | SRAP | 29 | 25 | — | 13.0 | — | UPGMA | Wei et al. (2011) |
| *Musa* spp. | banana | SRAP, AFLP | 40 | 10 | 40.3 | 35.3 | 87.6 | UPGMA, PCoA | Youssef et al. (2011) |
| *Nelumbo* spp. | lotus | SRAP, SSR | 43 | 16 | 11.4 | 7.4 | 65.0 | UPGMA, STRUCTURE | Yang et al. (2012) |
| *Olea europaea* | olive | SRAP, SSR | 66 | 13 | 14.2 | 7.9 | 55.7 | UPGMA | Isk et al. (2011) |
| *Ophiopogon* spp. | mondo grass | SRAP | 48 | 11 | 56.5 | 1.0 | 100.0 | cluster analysis | Ma et al. (2012) |
| *Paeonia*  hybrids | peony | SRAP | 29 | 24 | 8.2 | 7.8 | 94.9 | UPGMA, PCA | Hao et al. (2008) |
| *Paeonia lactiflora* | common garden peony | SRAP | 13 | 8 | 10.1 | 8.5 | 84.0 | UPGMA | Guo et al. (2011) |
| *Paeonia ludlowii* | Ludlow’s tree peony | SRAP | 79 | 17 | 23.3 | 21.0 | 90.2 | UPGMA, AMOVA, Shannon, *Gst* | Tang et al. (2012) |
| *Paeonia suffruticosa* | tree peony | SRAP | 66 | 23 | 12.9 | 11.4 | 88.5 | NJ | Han et al. (2008a) |
| *Paeonia suffruticosa* | tree peony | SRAP | 6 | 25 | 6.0 | 4.8 | 80.5 | UPGMA | Han et al. (2008b) |
| *Panicum* spp. | switchgrass | SRAP | 91 | 28 | 18.6 | 18.0 | 96.7 | UPGMA, AMOVA | Huang et al. (2011) |
| *Pennisetum purpureum* | elephant grass | SRAP | 60 | 62 | 22.5 | 8.9 | 39.5 | UPGMA, PCoA | Xie et al. (2009) |
| *Phalaenopsis* ‘Frigdaas Oxford’ | moth orchid | SRAP | 159 | 14 | — | 5.7 | 80.8 | PCoA | Lu et al. (2011) |
| *Phyllostachys violascens* | bamboo  | SRAP, AFLP, ISSR | 17 | 15 | 14.8 | 10.1 | 68.5 | UPGMA, PCA | Lin et al. (2011) |
| *Pinus koraiensis* | Korean pine | SRAP | 480 | 9 | 27.7 | 15.9 | 57.4 | UPGMA, AMOVA, Shannon, Nei, *Nm* | F. Feng et al. (2009) |
| *Pinus koraiensis* | Korean pine | SRAP | 94 | 70 | — | 2.5 | — | QTL mapping | M. M. Chen et al. (2010) |
| *Pistacia* spp. | pistachio | SRAP | 36 | 11 | 18.4 | 15.3 | 83.2 | NJ, AMOVA, PCoA, *Fst,* Shannon | Talebi et al. (2012a) |
| *Pisum sativum* | garden pea | SRAP | 40 | 15 | 61.3 | 10.8 | 17.6 | Euclidean, Ward, PCA | Esposito et al. (2007) |
| *Pogostemon cablin* | patchouli  | SRAP, ISSR | 192 | 18 | 16.3 | 13.4 | 82.0 | UPGMA, Shannon, Nei | Wu et al. (2010) |
| *Populus* hybrids | poplar | SRAP, SSR | 189 | 40 | — | 3.3 | — | LM | Y. Wang et al. (2010) |
| *Porphyra* | red algae | SRAP | 16 | 14 | 38.1 | 37.3 | 97.9 | UPGMA | Qiao et al. (2007) |
| *Porphyra haitanensis* | red seaweed | SRAP, SSR | 157 | 15 | 35.7 | 8.2 | 23.0 | LM | C. Xie et al. (2010) |
| *Praecitrullus fistulosus* and related taxa | round melon | SRAP, SSR, EST-SSR | 16 | 18 | — | 34.9 | — | UPGMA | Levi et al. (2010) |
| *Prunella vulgaris* | heal-all | SRAP, ISSR | 26 | 17 | 9.0 | 7.9 | 87.6 | UPGMA, PCoA, *Gst* | Liao et al. (2012) |
| *Prunus* and *Armeniaca* spp. | cherry and apricot | SRAP | 28 | 15 | 19.1 | 16.8 | 88.1 | UPGMA | Ai et al. (2011) |
| *Prunus* spp. | peach/nectarine | SRAP, SSR | 38 | 10 | — | 4.9 | — | UPGMA | Amhad et al. (2004) |
| *Prunus* spp. | wild peach and allies | SRAP | 190 | 53 | — | 12.0 | — | LM | Cao et al. (2011) |
| *Prunus* spp. | cherry | SRAP | 53 | 13 | 8.8 | 4.2 | 48.2 | UPGMA, AMOVA | Abedian et al. (2012) |
| *Puccinia striiformis* | stripe rust | SRAP | 16 | 9 | 29.4 | 13.1 | 44.5 | NJ | Pasquali et al. (2010) |
| *Punica granatum* | pomegranate | SRAP | 63 | 13 | 19.2 | 10.2 | 53.2 | NJ, AMOVA, Shannon, *Nm* | Soleimani et al. (2012) |
| *Rabdosia rubescens* | blushred rabdosia | SRAP | 16 | 72 | 9.5 | 0.0 | 0.1 | — | Ai et al. (2012) |
| *Raphanus sativus* | radish | SRAP, AFLP, RAPD | 17 | 13 | 18.7 | 11.5 | 61.7 | UPGMA | Liu et al. (2007) |
| *Raphanus sativus* | radish | SRAP, AFLP | 7 | 11 | 14.1 | 7.6 | 54.2 | UPGMA, Nei | Zhao et al. (2007) |
| *Raphanus sativus* | radish | SRAP, RAPD, ISSR | 35 | 17 | 13.7 | 11.7 | 85.4 | UPGMA | L. W. Liu et al. (2008) |
| *Rehmannia glutinosa* | Chinese foxglove | SRAP | 23 | 13 | 26.0 | 23.5 | 90.5 | UPGMA, Shannon | Zhou et al. (2010) |
| *Rosa rugosa* | Japanese rose | SRAP | 50 | 15 | 17.6 | 15.1 | 86.0 | Shannon, Nei | Xu et al. (2011) |
| Rutaceaesubfamily Aurantioideae | citrus | SRAP | 86 | 21 | — | 17.9 | — | UPGMA | Uzun et al. (2009) |
| *Saccharum* spp. | sugarcane | SRAP, AFLP, TRAP | 100 | 32 | — | 5.0 | — | QTL mapping | Alwala et al. (2007) |
| *Saccharum* spp. | sugarcane | SRAP | 30 | 31 | 44.0 | 36.6 | 83.2 | UPGMA | Suman et al. (2008) |
| *Salvia miltiorrhiza* | Chinese sage | SRAP, SSR | 48 | 6 | 20.3 | 18.3 | 90.2 | UPGMA, Shannon, Nei, *Gst*, *Nm* | Song et al. (2010) |
| *Salvia splendens* | scarlet sage cultivars | SRAP | 24 | 24 | — | 12.8 | — | NJ, Shannon, *Gst* | Dong et al. (2012) |
| *Sesamum indicum* | sesame | SRAP | 67 | 21 | 26.7 | 12.6 | 47.2 | UPGMA | Sun et al. (2009) |
| *Siraitia grosvenorii* | Monk’s fruit | SRAP, ISSR | 150 | 74 | 3.0 | — | — | LM | Liu et al. (2010) |
| *Siraitia grosvenorii* | Monk’s fruit | SRAP | 3 | 189 | 24.2 | 3.1 | 12.6 | sequence analysis | Fu et al. (2012) |
| *Solanum lycopersicum* | tomato | SRAP, RAPD | 15 | 11 | 6.0 | 2.5 | 42.4 | UPGMA | Comlekcioglu et al. (2010) |
| *Solanum lycopersicum* and related taxa | tomato | SRAP, SSR | 21 | 13 | 13.7 | 7.5 | 55.1 | UPGMA, PCoA | Ruiz et al. (2005) |
| *Solanum lycopersicum*var. *cerasiforme* | cherry tomato | SRAP, RAPD, RGA | 10 | 1 | — | 5.0 | — | UPGMA | Yu et al. (2005) |
| *Solanum melongena* | eggplant | SRAP, SRAP-RGA, RGAP, RAPD, SCAR | 720 | 208 | 2.9 | — | — | SCAR marker development, QTL mapping | Mutlu et al. (2008) |
| *Solanum melongena* | eggplant | SRAP | 56 | 55 | 20.6 | 11.5 | 56.0 | UPGMA, PCoA | Li et al. (2010a) |
| *Solanum tuberosum* | potato | SRAP | 44 | 20 | 6.1 | 5.2 | 85.2 | cluster analysis | F. He et al. (2007) |
| *Tagetes erecta* | marigold | SRAP, ISSR | 167 | 170 | 4.5 | 0.2 | 3.4 | SCAR marker development | He et al. (2009) |
| *Triticum aestivum* | common wheat | SRAP, EST-SSR, ISSR, TRAP | 1064 | 19 | — | 1.4 | — | LM, QTL | S. Li et al. (2007) |
| *Triticum aestivum* ‘Thatcher’ | common wheat | SRAP | 23 | 41 | 26.5 | 13.1 | 49.4 | UPGMA | Y. Liu et al. (2008) |
| *Triticum dicoccoides* | wild emmer | SRAP | 120 | 30 | 14.6 | 8.1 | 55.7 | UPGMA | Dong et al. (2010) |
| *Triticum durum* | durum wheat | SRAP | 40 | 12 | 5.4 | 3.3 | 60.0 | UPGMA, Nei | Zaefizadeh et al. (2009) |
| *Tropaeolum tuberosum* | nasturtium | SRAP | 153 | 8 | — | 15.0 | — | UPGMA, AMOVA, PCA | Ortega et al. (2007) |
| *Vicia faba* | fava bean | SRAP | 58 | 14 | 74.0 | 74.0 | 100.0 | UPGMA | Alghamdi et al. (2012) |
| *Viola* ×*wittrockiana* | garden pansy | SRAP | 43 | 21 | 25.5 | 23.8 | 93.5 | UPGMA | T. Wang et al. (2012) |
| *Vitis vinifera* and related taxa | grape | SRAP | 76 | 19 | 12.0 | 9.5 | 78.9 | UPGMA, PCoA | D. Guo et al. (2012b) |
| *Ziziphus* spp. | jujube | SRAP | 26 | 19 | 30.5 | 30.0 | 98.3 | UPGMA | L. Li et al. (2009) |

aAFLP = amplified fragment-length polymorphism; CAPS = cleaved amplified polymorphic sequence; dCAPS = derived cleaved amplified polymorphic sequence; EST-SSR = expressed sequence tag simple sequence repeat; HFO-TAG = high-frequency oligonucleotides–targeting active gene; ISSR = inter-simple sequence repeat; POGP = peroxidase gene polymorphism; RAPD = random amplified polymorphic DNA; REMAP = retrotransposon-microsatellite amplified polymorphism; RFLP = random fragment length polymorphism; RGAP = resistance gene analog polymorphism; SCAR = sequence characterized amplified region; SRAP = sequence-related amplified polymorphism; SRAP-RGA = sequence-related amplified polymorphism–resistance gene analog; SSR = simple sequence repeat; STS = sequence tagged site; TE-based = transposable element–based; TRAP = target region amplified polymorphism.

bAMOVA = analysis of molecular variance; LM = linkage mapping; Nei = Nei’s diversity index; NJ = neighbor joining; PCA = principal component analysis; PCoA = principal coordinates analysis; QTL = quantitative trait loci; UPGMA = unweighted pair group method with arithmetic mean; SCAR = sequence-characterized amplified region; Shannon = Shannon’s diversity index.