

Abelia chinensis (XX.000391 - CH; XX.000394 - CH; 2008.1856 - CM-east; 2001.0398 - RRG; 2006.3528 - VG), *Abelia chinensis* 'Alba' (XX.000481 - CH), *Abelia engleriana* (2014.0389 - CH; 2014.0390 - CH; XX.000429 - CH; XX.000462 - CH; XX.010813 - CH; XX.014009 - CH; XX.004651 - ES), *Abelia graebneriana* (XX.000476 - CH; XX.014000 - CH), *Abelia graebneriana* 'Vedrariensis' (XX.000415 - CH), *Abelia* × *grandiflora* (2000.3778 - AB), *Abelia* × *grandiflora* 'Kaleidoscope' (2015.0346 - RRA), *Abelia schumannii* (XX.010814 - CH), *Abelia serrata* (XX.011758 - AY-B10), *Abelia triflora* (XX.009671 - G1; 1847.010202 - OA; 1847.010226 - OA), *Abelia umbellata* (1935.000491 - CH), **Abies alba** (XX.013835 - P6), *Abies amabilis* (1999.2701 - RRJ), *Abies balsamea* Hudsonia Group (1922.004888 - RRG(w)), *Abies cephalonica* (1947.013803 - P6; XX.013804 - P6), *Abies cilicica* (1925.010558 - P5), *Abies firma* (1992.0601 - P2), *Abies grandis* (XX.013819 - P6), *Abies koreana* (1959.011745 - P6), *Abies nordmanniana* (XX.013823 - P6), *Abies nordmanniana* subsp. *equi-trojani* (1975.0213 - P5), *Abies numidica* (XX.012846 - P7-a), *Abies pinsapo* (XX.005009 - P6), *Abies sachalinensis* (1933.004898 - P2), **Abutilon vitifolium** (2003.2363 - RRG(w)), **Acacia cornigera** (1998.1484 - LA), *Acacia melanoxydon* (XX.009175 - NZ-W), *Acacia sophorae* (2009.0430 - NZ-W), **Acaena caespitosa** (1996.0887 - AY-B01), *Acaena glabra* (1989.0543 - AY-B01), *Acaena hieronymii* (1978.0703 - AY-B01), *Acaena novae-zelandiae* (XX.004541 - RRA; XX.006816 - RRD), *Acaena ovina* subsp. *maxima* (2004.0831 - RRH), *Acaena saccaticupula* (2003.1510 - RRC), *Acaena saccaticupula* 'Blue Haze' (1990.1032 - AY-B01), **Acantholimon glumaceum** (XX.001878 - AY-B06), **Acanthus balcanicus** (XX.001244 - Fam3), *Acanthus mollis* (2006.2096 - CT-north), *Acanthus spinosus* 'Lady Moore' (2002.2192 - M2-J), *Acanthus spinosus* 'Spinosissimus' (2000.3779 - OB), **Acaulimalva crenata** (1995.1091 - AY-T2), **Acca sellowiana** (1967.005845 - VB-w; XX.005856 - VB-w), *Acca sellowiana* 'Variegata' (XX.008485 - AB; 1969.005840 - VB-w), **Acer buergerianum** (1991.0310 - A1), *Acer campestre* (1956.011646 - A1; XX.011641 - A1; XX.011642 - A1; XX.011733 - A1; 2006.3529 - VG), *Acer campestre* 'Biloba' (XX.011643 - A1; XX.011734 - A1), *Acer campestre* 'Hebecanum' (1868.011647 - A1), *Acer campestre* 'Nanum' (1900.011644 - A1), *Acer campestre* 'Schwerinii' (1910.011645 - A1), *Acer campestre* 'Tauricum' (1891.011648 - A1), *Acer cappadocicum* (1927.011650 - A1; XX.011649 - A1), *Acer cappadocicum* 'Luteum' (1932.011653 - A1), *Acer cappadocicum* 'Rubrum' (1969.0865 - A1), *Acer cappadocicum* subsp. *divergens* (1974.1414 - A1), *Acer cappadocicum* subsp. *sinicum* (XX.011636 - A1; XX.011652 - A1), *Acer cappadocicum* subsp. *sinicum* var. *tricaudatum* (1970.0353 - A1; 2002.2238 - A1), *Acer cappadocicum* subsp. *sinicum* var. *tricaudatum* (XX.011683 - A1; XX.011721 - A1), *Acer carpinifolium* (XX.011676 - A1), *Acer caudatifolium* (1984.1466 - A1; 1999.2721 - A1; 1999.2722 - SL), *Acer cissifolium* (1999.2100 - A1; XX.011655 - A1), *Acer* × *coriaceum* (1931.011658 - A1; XX.011637 - A1), *Acer davidii* (1936.011660 - A1; 1940.011651 - A1; XX.011842 - A1; 2002.2236 - SL), *Acer davidii* subsp. *grosseri* (XX.011671 - A1), *Acer diabolicum* (1897.011661 - A1), *Acer* × *dieckii* (1909.011662 - A1), *Acer* × *freemaniae* AUTUMN BLAZE 'Jeffersred' (2012.0583 - A1), *Acer* × *freemaniae* 'Elegant' (2012.1988 - A1), *Acer glabrum* (XX.011668 - A1), *Acer griseum* (1929.011633 - A1), *Acer heldreichii* subsp. *trautvetteri* (1894.011722 - A1), *Acer henryi* (1910.011672 - A1; 2000.4039 - C5), *Acer* × *hybridum* (1908.011674 - A1), *Acer hyrcanum* (2000.0476 - A1; XX.011677 - A1), *Acer longipes* (XX.011666 - A1), *Acer macrophyllum* (1970.0549 - A1; 2007.0736 - A1), *Acer maximowiczii* (2002.2237 - SL), *Acer maximowiczianum* (1955.011687 - A1), *Acer miyabei* (1897.011679 - A1), *Acer mono* (1908.011694 - A1; 1914.011656 - A1; 1954.011632 - A1), *Acer mono* 'Marmoratum' (XX.011682 - A1), *Acer monspessulanum* (1909.011673 - A1; 1946.011727 - A1), *Acer negundo* subsp. *californicum* (1981.0642 - A1), *Acer oliverianum* subsp. *formosanum* (2000.1671 - SL), *Acer opalus* (XX.011688 - A1; XX.011729 - A1), *Acer palmatum* (1919.011692 - A1; 1957.005687 - RRA; 1960.004568 - RRC; XX.011880 - RRI), *Acer palmatum* 'Aoyagi' (XX.011691 - A1), *Acer palmatum* Atropurpureum Group (1978.2516 - RRJ), *Acer palmatum* Dissectum Group 'Viridis' (XX.012089 - RRF), *Acer palmatum* 'Hessei' (XX.012053 - RRF), *Acer palmatum* 'Osakazuki' (2015.0333 - RRH), *Acer palmatum* var. *dissectum* (2000.2476 - M2-H), *Acer pensylvanicum* (XX.013046 - T1), *Acer platanoides* (XX.011731 - A1; 1985.0350 - A5S), *Acer platanoides* 'Crimson King' (XX.010091 - CT-north), *Acer platanoides* 'Emerald Queen' (2012.1989 - A1), *Acer platanoides* 'Palmatifidum' (XX.011697 - A1), *Acer platanoides* 'Stollii' (XX.011698 - A1), *Acer pseudoplatanus* (1887.011702 - A1; 1963.011703 - A1; 1963.011712 - A1; XX.011700 - A1; XX.007717 - T2), *Acer pseudoplatanus* 'Albertii' (1889.011701 - A1), *Acer pseudoplatanus* f. *variegatum* (1885.011705 - A1), *Acer pseudoplatanus* f. *variegatum* (1900.011708 - A1; 1933.011710 - A1), *Acer pseudoplatanus* f. *variegatum* 'Luteo' (1885.011707 - A1), *Acer pseudoplatanus* f. *variegatum* 'Simon-Louis Frères' (XX.013295 - M2-J), *Acer pseudoplatanus* 'Negenii' (2012.1990 - A1), *Acer pseudoplatanus* 'Newryensis' (1930.011709 - A1), *Acer pseudoplatanus* 'Rafinesquianum' (1887.011706 - A1), *Acer rubrum* (1930.011711 - A1), *Acer rubrum* 'Barbatum' (XX.011640 - A1), *Acer rubrum* 'Tomentosum' (1941.011713 - A1), *Acer saccharum* (XX.011718 - A1), *Acer sempervirens* (XX.011689 - A1), *Acer spicatum* (1918.011715 - A1), *Acer sterculiaceum* subsp. *franchetii* (1910.011665 - A1), *Acer tataricum* subsp. *ginnala* (XX.011667 - A1), *Acer truncatum* (1942.011732 - A1), *Acer velutinum* (1898.011723 - A1; 1982.0521 - A1), *Acer velutinum* f. *glabrescens* (1887.011724 - A1), *Acer wilsonii* (2002.2239 - SL), *Acer* × *zoeschense* (1908.011726 - A1), **Achillea forrestii** (1996.0899 - AY-B05), *Achillea* 'King Alfred' (2016.0091 - RRD, RRH), *Achillea millefolium* 'Cerise Queen' (2012.1724 - AY-B14; 2007.0546 - OB), *Achillea santolina* (1984.1490 - Fam3), *Achillea tomentosa* (1958.003394 - AY-

B02), *Achillea umbellata* (2005.0954 - RRA), **Aciphylla aurea** (1993.0800 - AY-B01), *Aciphylla glaucescens* (2000.3210 - AY-B01), *Aciphylla scott-thomsonii* (1984.0549 - AY-B01), *Aciphylla subflabellata* (1994.0728 - AY-B01), **Acoelorrhaphe wrightii** (2001.1412 - PH-c), **Aconitum autumnale** 'Bressingham Spire' (1996.1312 - OB, OBE), *Aconitum carmichaelii* (XX.000717 - Fam2), *Aconitum carmichaelii* Wilsonii Group 'Barker's Variety' (XX.011519 - OB), *Aconitum fukutomei* var. *formosanum* (2001.3752 - SL), *Aconitum hemsleyanum* (2000.2467 - SL; 2001.0457 - SL; 2003.0195 - SL), *Aconitum lamarckii* (2011.0043 - OB), *Aconitum lycoctonum* (1999.2681 - Fam2), *Aconitum napellus* subsp. *vulgare* (XX.000719 - Fam2), **Actradenia frankliniae** (1998.1836 - AB; XX.014235 - RRN), **Actaea racemosa** (1986.1013 - Fam2), **Actinidia arguta** (XX.010318 - WS), *Actinidia arguta* 'Bayern' (2008.0258 - WS), *Actinidia arguta* var. *cordifolia* (1963.007642 - WS; XX.010357 - WS), *Actinidia deliciosa* (XX.011749 - AY-B09; 2011.0900 - WS; XX.010298 - WS), *Actinidia deliciosa* 'Solo' (2003.0238 - SL), *Actinidia kolomikta* (1985.1016 - VB-w), *Actinidia melanandra* (XX.005813 - VB-w; XX.005834 - VB-w; XX.010368 - WS), *Actinidia polygama* (XX.010342 - WS), *Actinidia purpurea* (1932.006226 - CM-east; XX.001039 - VG; XX.010300 - WS), **Adelia neomexicana** (1933.011752 - AY-B09), **Adenophora bulleyana** (2001.0458 - SL), *Adenophora confusa* (2001.0459 - SL), *Adenophora potaninii* (2000.0676 - AB), **Adiantum pedatum** var. *aleuticum* (2000.1166 - M2-B), **Adonidia merrillii** (2004.0009 - PH-c), **Aeonium arboreum** (2008.2412 - CLE-B), *Aeonium arboreum* var. *rubrolineatum* (2014.0350 - Fam1), *Aeonium canariense* var. *canariense* (2010.2019 - Fam1), *Aeonium gomerense* (2008.2411 - CLE-B), *Aeonium lancerottense* (2010.0794 - CLE-B), *Aeonium lindleyi* (2009.0198 - CLE-B), *Aeonium nobile* (2003.1709 - CLE-B, Fam1), *Aeonium palmense* (2008.2415 - CC, CLE-B), *Aeonium percarneum* (2008.2416 - CLE-B), *Aeonium sedifolium* (2008.2417 - Fam1), *Aeonium tabuliforme* (2017.0529 - Fam1), *Aeonium urbicum* (2008.2230 - CLE-B), *Aeonium valverdense* (2008.2421 - CLE-B), *Aeonium* 'Zwartkop' (2009.2123 - CLE-B), **Aerangis biloba** (2004.0587 - OH), *Aerangis modesta* (2001.2141 - OH), **Aerides odorata** (2004.0589 - OH; 2006.0013 - OH; XX.013440 - OH), **Aesculus californica** (XX.010763 - A4), *Aesculus* × *carnea* 'Briotii' (XX.010423 - A4), *Aesculus* × *carnea* 'Plantierensis' (2015.0087 - A4), *Aesculus flava* f. *flava* (2016.0199 - A4), *Aesculus hippocastanum* (1995.1358 - A4), *Aesculus hippocastanum* 'Baumannii' (2015.0088 - A4), *Aesculus hippocastanum* 'Digitata' (XX.010419 - A4), *Aesculus hippocastanum* 'Pyramidalis' (2005.1571 - A4), *Aesculus hippocastanum* 'Umbraculifera' (2015.0089 - A4), *Aesculus* × *hybrida* (1895.010426 - A4), *Aesculus indica* (2017.0979 - M2-H; XX.010408 - SL), *Aesculus* × *mutabilis* 'Induta' (2002.0320 - A4; 2016.0200 - A4), **Aethionema armenum** (1983.0272 - AY-B01), *Aethionema grandiflorum* (1997.0133 - AY-B06), *Aethionema pulchellum* (2005.0137 - Fam2), *Aethionema schistosum* (2002.0016 - AY-B01; 1947.000670 - RRB), *Aethionema stylosum* (1999.0080 - RRD), **Agapanthus** 'Blue Triumphator' (2016.0094 - RRF), *Agapanthus BLUESTORM* 'Atiblu' (2016.0123 - RRF), *Agapanthus campanulatus* (XX.012915 - AB; 2010.1512 - R2), *Agapanthus caulescens* subsp. *angustifolius* (1994.0236 - R2), *Agapanthus dyeri* (1994.0237 - R2), *Agapanthus giganteus ardernei* (XX.012916 - R2), *Agapanthus praecox* (1999.2375 - AB, R2; 2010.1513 - R2), *Agapanthus praecox* subsp. *praecox* (1994.0239 - R2), *Agapanthus* 'Timaru' (2016.0124 - RRD), **Agastache anisata** (2012.1726 - OBE), *Agastache rupestre* (1996.0893 - AY-B10), **Agave albicans** (1997.0210 - CC), *Agave atrovirens* (XX.007026 - CC), *Agave attenuata* (XX.007027 - CC), *Agave fernandi-regis* × *lechuguilla* (2001.1236 - CC), *Agave lophantha* (2009.0660 - Fam4), *Agave mckelveyana* (2011.1258 - CC), *Agave schottii* (2010.0067 - CC), *Agave victoriae-reginae* (2005.1353 - CC), **Ageratina deltoidea** (XX.010349 - WS), **Agrostemma githago** (1994.0583 - Fam1), **Ailanthus altissima** (XX.013799 - C2-E; 1923.010850 - R5), *Ailanthus altissima* var. *sutchuenensis* (1932.011181 - R4), *Ailanthus vilmoriniana* (XX.013619 - C2-E), **Aiphanes aculeata** (2005.1530 - PH-c), **Ajuga chamaephtys** subsp. *cana* (1998.0280 - AY-T3), *Ajuga reptans* BLACK SCALLOP 'Binblasca' (2017.0107 - RRC), *Ajuga reptans* 'Braunherz' (2014.0095 - RRH), *Ajuga reptans* 'Burgundy Glow' (2017.0197 - RRB), *Ajuga reptans* 'Evening Glow' (2017.0196 - RRB), *Ajuga reptans* var. *atropurpurea* (2000.3211 - AY-B09), **Akebia longeracemosa** (2003.1202 - SL), *Akebia trifoliata* (2000.2223 - M2-J), **Alangium platanifolium** (2003.0239 - SL), **Albizia julibrissin** (2004.1707 - Fam2), *Albizia julibrissin* f. *rosea* (1963.011750 - AY-B09), **Albuca nelsonii** (1995.0419 - R2), **Alchemilla bulgarica** (XX.000824 - Fam2), *Alchemilla hispanica* (2003.1478 - Fam2), *Alchemilla mollis* (2001.2613 - M2-H; 1996.1289 - OBE; 1996.0495 - P5-d), *Alchemilla mollis* 'Irish Silk' (2015.0425 - P4), **Alkana graeca** (2005.0570 - Fam3), **Allium aflatanunense** (2013.0366 - Fam4; 2002.4140 - OB), *Allium ampeloprasum* (1999.3734 - Fam4), *Allium amplexans* 'Graceful Beauty' (2013.0373 - RRA), *Allium aschersonianum* (2013.0374 - Fam4), *Allium atropurpureum* (2013.0367 - Fam4, OB), *Allium bucharicum* (2000.0826 - RRB), *Allium caeruleum* (2013.0370 - RRH), *Allium cernuum* (2004.1622 - RRH), *Allium cyaneum* (2001.3768 - SL), *Allium flavum* (2013.0369 - RRH), *Allium giganteum* (2013.0372 - OB), *Allium* 'Gladiator' (2013.0381 - RS-g), *Allium* 'Globemaster' (2013.0371 - OB), *Allium* 'His Excellency' (2013.0379 - RS-g), *Allium hollandicum* 'Purple Sensation' (2013.0382 - OB), *Allium karataviense* (1974.1193 - Fam4; 2013.0377 - Fam4, RRA; 2006.3192 - RRD; XX.005648 - RRP), *Allium karataviense* 'Ivory Queen' (2013.0380 - RRF), *Allium moly* (1971.0671 - Fam4; 2000.4218 - RRA; 2013.0378 - RRH), *Allium* 'Mont Blanc' (2013.0375 - M2-F), *Allium neapolitanum* (2013.0368 - RRA), *Allium nigrum* (2013.0383 - Fam4, RRF), *Allium*

plurifoliatum (2001.1476 - SL), *Allium* 'Silver Spring' (2013.0385 - RS-g), *Allium* subhirsutum (2012.0129 - RRG), *Alnus cordata* (XX.013742 - A4; 2012.1991 - A5S; XX.013886 - A5S), *Alnus glutinosa* (XX.013743 - A4), *Alnus glutinosa* 'Aurea' (2015.0090 - A4), *Alnus glutinosa* 'Imperialis' (2015.0091 - A4), *Alnus hirsuta* (2002.3450 - A4), *Alnus hirsuta* var. *sibirica* (1988.0654 - A4), *Alnus incana* 'Pendula' (2017.0022 - A5S), *Alnus rhombifolia* (1973.0264 - A4), *Alnus rubra* (2016.0201 - A4), *Alnus sieboldiana* (2002.3451 - A4), *Alnus* × *spaethii* (1978.0450 - A4), *Alnus viridis* subsp. *viridis* (2012.1139 - RRG), *Aloe camperi* (XX.007444 - CC, CC), *Aloe dichotoma* (1999.0522 - CC), *Aloe ferox* (2010.0046 - CC; XX.007446 - CC), *Aloe grandidentata* (XX.007448 - CC), *Aloe jucunda* (1991.0640 - CC), *Aloe juvenna* (2010.0045 - CC), *Aloe maculata* (XX.007461 - CC), *Aloe mitriformis* (1999.2639 - CC), *Aloe recurvifolia* (XX.007460 - CC), *Aloe reitzii* (2003.1563 - CC), *Aloe striata* (1953.007449 - CC, CC), *Aloysia chamaedryfolia* (XX.008548 - AY-B06), *Aloysia citrodora* (2011.1067 - CM-east), *Althaea ficifolia* (1999.1245 - Fam2), *Althaea officinalis* (XX.012366 - Fam2), *Althaea pallida* (2004.1176 - Fam2), *Alyssoides sinuata* (1999.0820 - Fam2), *Alyssum argenteum* (2013.0695 - RRB), *Alyssum floribundum* (XX.003416 - AY-B02, RRA), *Alyssum murale* (2009.0015 - RRC), *Alyssum repens* (2011.0749 - RRB), *Alyssum saxatile* (2002.3140 - AY-B14), *Alyssum wulfenianum* (2004.1178 - Fam2), *x Amarcrinum memoria-corsii* (XX.012901 - R2), *Amaryllis belladonna* (XX.012178 - Fam4; 2006.3149 - R2), *Amaryllis belladonna* 'Blanda' (XX.012909 - AB, R2), *Amelanchier alnifolia* (1972.0845 - C6; XX.008838 - M1-K), *Amelanchier alnifolia* 'Obelisk' (2017.0039 - C6), *Amelanchier alnifolia* var. *semiintegrifolia* (XX.001481 - C6), *Amelanchier canadensis* (XX.001495 - C6), *Amelanchier cretica* (1933.001494 - C6), *Amelanchier laevis* (1980.0961 - C6), *Amelanchier rotundifolia* (1972.1486 - C6), *Amelanchier spicata* (1930.001467 - C6, C6), *Amelanchier stolonifera* (1953.001478 - C6; 1953.001496 - C6), *Amorpha californica* (2003.1548 - LD), *Amorpha fruticosa* (1945.005562 - LC; 2008.0002 - LC), *Ampelopsis aconitifolia* (XX.005827 - VB-w), *Ampelopsis brevipedunculata* var. *maximowiczii* (1998.1783 - WS), *Amsonia orientalis* (2000.3212 - AY-B09; XX.001256 - Fam3), *Amsonia tabernaemontana* var. *salicifolia* (XX.001257 - Fam3), *Anacamptis champagneuxii* (2006.0014 - OH), *Anacamptis morio* × *Serapias orientalis* (2006.0016 - OH), *Ananas comosus* (2014.1137 - PH-c), *Anaphalis triplinervis* (2001.1596 - SL, SL), *Anchusa leptophylla* subsp. *incana* (2004.1181 - Fam3), *Anchusa officinalis* (2004.1182 - Fam3), *Andrachne colchica* (XX.003425 - Fam2), *Andromeda polifolia* 'Compacta' (2016.0032 - RRM), *Andromeda polifolia* 'Nikko' (1995.0150 - AY-B04), *Androsace sarmentosa* (2003.1089 - RRA), *Androsace sarmentosa* 'Sherriffii' (1961.003433 - AY-B01), *Androsace sempervivoides* (1951.003436 - AY-B01), *Androsace sempervivoides* 'Susan Jane' (1998.0224 - AY-B07), *Androsace septentrionalis* (1992.0029 - AY-B06), *Androsace studiosorum* 'Brilliant' (XX.003429 - RRA; 2009.2097 - RRH), *Androsace studiosorum* 'Salmon's Variety' (XX.003431 - AY-B03), *Anemone barbulata* (2003.0196 - SL), *Anemone cylindrica* (1995.0976 - AY-B10), *Anemone hupehensis* (2003.0275 - SL), *Anemone japonica* 'Septemberspire' (1996.0891 - AY-B09), *Anemone leveillei* (2003.0197 - SL; 2003.0276 - SL), *Anemone moorei* (2009.1215 - RRJ), *Anemone nemorosa* (XX.002987 - AY-B04, AY-B04), *Anemone nemorosa* 'Robinsoniana' (2011.0903 - RRF), *Anemone nemorosa* 'Rosea' (XX.002993 - AY-B04), *Anemone ranunculoides* (2011.0904 - RRF), *Anemone reflexa* (1986.0505 - AY-B08), *Anemone rivularis* (1998.0636 - SL; 2003.0198 - SL; 2003.0277 - SL), *Anemone tomentosa* (XX.000696 - Fam2), *Anemone virginiana* (1994.0735 - Fam2), *Anemone vitifolia* (2000.3408 - SL; 2003.0199 - SL), *Angelica taiwaniana* (2001.1597 - SL), *Angiopteris evecta* (XX.003955 - PH-a; XX.003957 - PH-a; XX.003958 - PH-a), *Angiopteris evecta* 'Hypoleuca' (XX.003959 - PH-a), *Angraecum erectum* (2004.0590 - OH), *Angraecum sesquipedale* (1977.2260 - OH), *Anguloa cliftonii* × *virginalis* (2006.0018 - OH), *Anguloa clowesii* (2006.0019 - OH), *Anguloa uniflora* (2006.0020 - OH), *Angulocaste Caracas* 'Aalsmeer Blanc' (2006.0021 - OH), *Anigozanthos flavidus* (XX.008977 - CLE-D, CLE-D, CLE-D, CLE-D, CLE-D, CLE-D, CLE-D), *Anisotome aromatica* (1998.0226 - AY-B08), *Antennaria dioica* (1994.0399 - AY-B05), *Antennaria rosea* (1991.0997 - RRM), *Anthemis cretica* (1992.0695 - AY-T2), *Anthemis nobilis* (2003.2037 - AB), *Anthemis punctata* subsp. *cupaniana* (2001.2780 - RRJ), *Anthemis tinctoria* 'Alba' (2012.1729 - AY-B14), *Anthurium nymphaeifolium* (XX.009074 - OH), *Anthyllis hermanniae* (2004.1628 - RRH), *Anthyllis vulneraria* var. *coccinea* (1998.0225 - AY-B10), *Aquilegia alpina* (2001.0293 - Fam2; 1987.1446 - RRG(w)), *Aquilegia atrata* (2005.0140 - Fam2), *Aquilegia canadensis* (1991.0503 - AY-B04; 2004.1190 - Fam2; 2012.1558 - RRC), *Aquilegia chrysantha* (2009.0092 - AB, Fam2), *Aquilegia flavescens* var. *miniana* (1995.1092 - AY-T2), *Aquilegia formosa* subsp. *wawawensis* (1998.0227 - AY-B08), *Aquilegia formosa* var. *truncata* (1993.0928 - AY-B04), *Aquilegia pyrenaica* (1980.0030 - Fam2), *Aquilegia sibirica* (2006.1425 - RRD), *Aquilegia vicaria* (1996.0898 - AY-T3), *Aquilegia viridiflora* (1996.0546 - AY-B04), *Aquilegia vulgaris* var. *stellata* (2000.3380 - RRD), *Arabis alpina* subsp. *caucasica* 'Little Treasure Pink' (2017.0113 - RRB), *Arabis alpina* subsp. *caucasica* 'Little Treasure White' (2017.0114 - RRF), *Arabis alpina* subsp. *caucasica* 'Snowcap' (2014.0097 - RRH), *Arabis alpina* subsp. *caucasica* 'Variegata' (2017.0112 - RRF), *Arabis androsacea* 'Rosabella' (1981.0149 - AY-B03), *Arabis androsacea* (1983.1231 - AY-B01; 2013.0399 - RRH), *Arabis blepharophylla* 'Frühlingszauber' (2017.0111 - RRC; 2016.0098 - RRD, RRF; 2017.0111 - RRF), *Arabis ferdinandi-coburgi* (XX.003456 - AB; 1984.1280 - RRH), *Arabis ferdinandi-coburgi* 'Old

Gold' (1996.0856 - AY-B07; 2006.0867 - RRA), *Arabis procurrens* 'Glacier' (2006.1000 - RRA, RRH), *Arabis serpillifolia* (2002.3144 - SL), *Arabis sicula* (1975.0926 - RRD), *Arabis soyeri* subsp. *subcoriacea* (2005.1051 - RRJ), **Aralia cachemirica** (XX.001192 - Fam2), *Aralia echinocaulis* (2002.3995 - ES, ES, Fam2; 2002.4013 - SL), *Aralia elata* (2001.4128 - SL), **Araucaria araucana** (XX.006658 - P2; 1998.1130 - P4; XX.007776 - P4), **Arbutus** × *andrachnoides* (XX.011735 - B1; XX.011740 - B1; 2000.3341 - R5; XX.010836 - R6), *Arbutus* 'Marina' (2003.0731 - B1), *Arbutus unedo* (XX.013923 - A5S; 1961.011736 - B1; 1968.0513 - B1; XX.014074 - M1-K), *Arbutus unedo* 'Glasnevin' (1996.1505 - P7-b), *Arbutus unedo* 'Integerrima' (XX.011737 - B1), *Arbutus unedo* 'Microphylla' (XX.011738 - B1), *Arbutus unedo* 'Quercifolia' (1996.1508 - B1), **Arctotis acaulis** (2003.0188 - R2), **Ardisia henryi** (XX.008370 - SL), **Arenaria acerosum** (1994.0242 - AY-B01), *Arenaria aculeata* (1998.0278 - AY-T3), *Arenaria balearica* (1986.0127 - AY-B08), *Arenaria kingii* (2012.1544 - Fam1), *Arenaria montana* (2017.0198 - RRA), *Arenaria montana* 'Blizzard' (2015.0118 - RRA), *Arenaria nevadensis* (1992.0471 - AY-B05), *Arenaria procera* (2008.1508 - AY-B10; 2008.1507 - RRA), **Arenga caudata** (XX.004089 - PH-c), **Argyranthemum maderense** (2000.3213 - AY-B10), **Arisaema ciliatum** (2001.1478 - SL), *Arisaema consanguineum* (1994.0530 - AY-B04; 1999.3742 - Fam4), *Arisaema engleri* (2001.1480 - SL), *Arisaema fargesii* (2001.1481 - SL), *Arisaema kiushianum* (2006.0290 - Fam4), *Arisaema yunnanense* (2006.0291 - Fam4), **Aristea ecklonii** (1996.1163 - R3), *Aristea major* (1995.0927 - R2; 1999.2387 - R3), **Aristolochia arborea** (2002.3433 - PH-c), *Aristolochia chrysops* (1914.012100 - EG-wall), *Aristolochia clematitidis* (XX.001377 - Fam0), *Aristolochia macrophylla* (XX.010979 - EN; XX.001376 - Fam0), *Aristolochia sempervirens* (1972.0842 - AB), *Aristolochia tricaudata* (XX.007877 - PH-c), **Aristolochia chilensis** (1998.1697 - CM-east; 2000.3495 - NZ-W), *Aristolochia chilensis* 'Variegata' (2000.2210 - OS), **Armeria alliacea** (2003.1426 - RRA, RRH), *Armeria arctica* (1984.0861 - AY-B06), *Armeria berlengensis* (XX.004570 - AY-B01), *Armeria euscadiensis* (2002.2401 - AY-B01), *Armeria girardii* (XX.003484 - AY-T2; 1984.0172 - Fam3), *Armeria juniperifolia* (1987.0233 - AY-B06; 2009.0534 - RRA; 2008.1491 - RRH), *Armeria juniperifolia* 'Bevan's Variety' (1995.0569 - AY-B01), *Armeria labradorica* subsp. *sibirica* (1993.0508 - AY-B01; 1999.0516 - Fam3), *Armeria leucocephala* 'Corsica' (XX.011229 - RRF), *Armeria maritima* (2015.0103 - AY-B15), *Armeria maritima* 'Alba' (2006.1002 - RRA; 2012.1029 - RRH; 2017.0115 - RRP), *Armeria maritima* 'Düsseldorfer Stolz' (1985.0292 - AY-B06; 2005.1066 - RRH), *Armeria maritima* 'Glory of Holland' (2004.1629 - RRH), *Armeria maritima* 'Splendens' (2017.0116 - RRF), *Armeria maritima* subsp. *alpina* (2011.0651 - RRA; 1986.0793 - RRD), *Armeria morisii* (2001.0679 - RRD), *Armeria pseudarmeria* 'Joystick White' (2006.1004 - RRA), *Armeria rhodopea* (2003.1681 - RRH), *Armeria ruscinonensis* (1999.0515 - Fam3), *Armeria transmontana* (1990.0652 - AY-B01; 1997.1021 - RRC), *Armeria welwitschii* (1981.0416 - AY-B06; 2001.0680 - RRD), **Aronia arbutifolia** var. *macrophylla* (XX.014078 - M1-K), **Arpophyllum spicatum** (1880.012531 - OH), **Artemisia absinthium** (2014.0817 - Fam3), *Artemisia campestris* (1992.0265 - AY-B06), *Artemisia schmidtiana* 'Nana' (2016.0367 - RRA; 2011.0513 - RRD; 2011.0514 - RRD), **Arthropodium cirrhatum** (1999.3572 - CLE-B), **Arum italicum** (XX.012185 - Fam4), **Aruncus aethusifolius** (1998.0228 - AY-B08; 2003.1763 - RRA), *Aruncus dioicus* (XX.000813 - Fam2; XX.008293 - OB), *Aruncus sinensis* 'Zweiweltenkind' (2006.1009 - P6-c), **Arundinaria chino** (XX.007683 - T2), **Arundo donax** var. *versicolor* (1988.0260 - T1), **Asarina procumbens** (1998.2038 - AY-B11), **Asarum bealei** (XX.001378 - Fam0), *Asarum caudatum* (1994.0145 - M2-F; 1999.2534 - RRH, RRJ), *Asarum europaeum* (1999.1390 - M2-J), **Asclepias curassavica** (1996.0629 - Fam3), *Asclepias syriaca* (2005.0092 - Fam3), **Ascocenda Tubtim Velvet** × **Fuchs Gold** (2011.0104 - OH), **Asparagus asparagoides** (XX.011770 - AY-B09), *Asparagus umbellatus* 'Myriocladus' (XX.008982 - PH-a), **Asperula gussonii** (1958.003510 - AY-B05; 1995.0898 - AY-B08), *Asperula hungarorum* (2006.4233 - Fam3), *Asperula longiflora* (2003.1096 - RRB; 2008.1731 - RRN), *Asperula tinctoria* (2005.0520 - RRI), **Asphodeline liburnica** (1999.1052 - Fam4), *Asphodeline lutea* (1999.3743 - Fam4), **Aspidistra lurida** (XX.003922 - M2-B), **Astelia chathamica** (1998.0395 - AB), *Astelia grandis* (2003.0680 - P5-d), *Astelia nervosa* (1999.3551 - AB), *Astelia* 'Red Devil' (2015.0440 - RRA), **Aster albescens** (2002.0571 - SL), *Aster conspicuus* (1979.1186 - RRF), *Aster diplostephioides* (2003.0200 - SL; 2003.0282 - SL), *Aster* × *frikartii* 'Jungfrau' (2011.0042 - OB), *Aster* 'Jenny' (2006.0486 - OB, OBE), *Aster novae-angliae* 'Lye End Beauty' (1999.1107 - OB, OB), *Aster novi-belgii* 'Patricia Ballard' (2015.0452 - CM-east), **Astilbe** × *arendsii* 'Fanal' (2001.1009 - RRF), *Astilbe* × *arendsii* 'Montgomery' (2002.0737 - P5-d), *Astilbe arendsii* 'White' (2006.1189 - RRN), *Astilbe* 'Bremen' (2006.1190 - RRN), *Astilbe chinensis* (XX.000861 - OB, OBE; 2003.0283 - SL), *Astilbe chinensis* var. *pumila* (1972.1391 - M2-B; 2003.0201 - SL; 2003.0284 - SL), *Astilbe crispa* 'Liliput' (1942.003004 - AY-B04), *Astilbe microphylla* (2000.0830 - RRF), *Astilbe* 'Red Sentinel' (2017.0118 - RRM), *Astilbe* × *arendsii* (2014.0251 - CM-east), **Astragalus angustifolius** (XX.003517 - RRB), *Astragalus canadensis* (2005.0497 - Fam2), **Astrantia major** subsp. *biebersteinii* (2000.2620 - M2-B), *Astrantia major* var. *rubra* (2004.1196 - Fam2), *Astrantia maxima* (2004.1197 - Fam2; 2000.2621 - M2-B), **Astrocaryum mexicanum** (2000.2793 - PH-a; 2004.0081 - PH-c, PH-c, PH-c), **Astrophytum capricorne** (1997.0006 - CC), *Astrophytum ornatum* (XX.007297 - CC; XX.007298 - CC), **Athamanta cretensis** (1999.1047 - Fam2), *Athamanta macedonica* subsp.

arachnoidea (1998.0229 - AY-B10), **Athyrium filix-femina** (2012.0123 - RRP), *Athyrium niponicum* var. *pictum* 'Cristatoflabellatum' (2000.2647 - M2-B), **Atriplex halimus** (2001.3801 - Fam1), **Atropa belladonna** (XX.001034 - VG), **Attalea cohune** (1997.0721 - PH-a), **Aubrieta anamasica** (1996.0900 - AY-B05), *Aubrieta* 'Audrey Red and Purple' (2015.0115 - RRB), *Aubrieta* 'Bessingham Red' (2014.0102 - RRD), *Aubrieta* 'Blue Cascade' (2017.0199 - RRF), *Aubrieta* 'Bressingham Red' (2016.0101 - RRA), *Aubrieta* 'Bubble Purple' (2017.0200 - RRA), *Aubrieta columnae* subsp. *croatica* (XX.003520 - AY-B03), *Aubrieta* 'Doctor Mules Variegata' (2015.0435 - RRB), *Aubrieta* 'Golden Carpet' (1992.0701 - AY-B06), *Aubrieta gracilis* (1986.0936 - AY-B01), *Aubrieta* 'Gurgedyke' (1958.004553 - AY-B02; 2004.2275 - RRJ), *Aubrieta* 'Henslow Purple' (2000.3214 - AY-B02), *Aubrieta* 'Kitte Blue' (2014.0103 - RRF; 2017.0120 - RRF), *Aubrieta* 'Kitte Rose Red' (2017.0121 - RRF; 2014.0104 - RRH), *Aubrieta* 'Mabestown Blue' (2000.3215 - AY-T2), *Aubrieta parviflora* (1999.0575 - Fam2), *Aubrieta* 'Purple Cascade' (2014.0105 - RRA), *Aubrieta* 'Red Cascade' (2014.0106 - RRB; 2017.0201 - RRF), *Aubrieta scardica* (2001.0991 - RRA), *Aubrieta* 'Schloss Eckberg' (2017.0122 - RRP), **Aucuba japonica** (XX.010220 - OA; XX.010232 - OA; 2002.2434 - OS), *Aucuba japonica* 'Bruantii' (1905.009670 - G1), *Aucuba japonica* 'Variegata' (2013.0219 - CT-north; XX.010208 - OA; XX.011855 - OA2; XX.001151 - VG), **Azalea japonica** 'Amoena' (2016.0033 - RRM), *Azalea japonica* 'Geisha Purple' (2016.0034 - RRM), *Azalea japonica* 'Geisha Red' (2016.0035 - RRM), *Azalea japonica* 'Kermesina' (2016.0037 - RRM), *Azalea japonica* 'Silver Sword' (2016.0038 - RRM), **Azara integrifolia** (1990.0232 - OS), *Azara integrifolia* var. *browneae* (XX.010645 - AB), *Azara lanceolata* (XX.001510 - OS), *Azara microphylla* (XX.010755 - AB; 2000.3498 - NZ-W), *Azara microphylla* 'Variegata' (XX.011766 - AY-B09), *Azara petiolaris* (XX.000946 - RRL), *Azara serrata* (1993.0051 - OS), **Azorella trifurcata** (1972.0925 - AY-B05), **Azorina vidalii** (2004.0880 - Fam3).

Babiana nana (2001.1834 - CLE-B), *Babiana rubrocyanea* (1999.0353 - CLE-B; 1996.1155 - R3), *Babiana truncata* (2001.1839 - CLE-B), *Babiana villosa* (2001.1840 - CLE-B), **Bambusa vulgaris** (XX.004084 - PH-a), **Banksia integrifolia** (XX.008375 - CLE-D), *Banksia serrata* (1987.1019 - CLE-D), **Baptisia australis** (1940.000843 - Fam2; 2005.0091 - Fam2), **Barbarea vulgaris** var. *variegata* (2004.1198 - Fam2), **Begonia sinensis** (2003.0242 - SL), **Belamcanda chinensis** (2002.4092 - PH-c; 2002.1059 - SL, SL; 2003.0202 - SL; 2003.0287 - SL), **Bellevalia paradoxa** (1974.1195 - Fam4), *Bellevalia romana* (1999.1058 - Fam4), **Berberis actinacantha** (XX.011914 - B1-ber), *Berberis aemulans* (1923.011984 - B1-ber), *Berberis aggregata* (XX.011957 - B1-ber), *Berberis angulosa* (1909.011912 - B1-ber), *Berberis* × *antoniana* (1963.011976 - B1-ber, B1-ber, B1-ber, B1-ber), *Berberis arido-calida* (1941.011911 - B1-ber), *Berberis aristata* (XX.011931 - B1-ber), *Berberis atrocarpa* (XX.011952 - B1-ber, B1-ber; 2000.3265 - SL), *Berberis beaniana* (1918.011954 - B1-ber; 2012.1634 - RRI), *Berberis bergmanniae* var. *acanthophylla* (XX.011969 - B1-ber), *Berberis brevipaniculata* (2006.1757 - B1-ber), *Berberis bullata* (1909.011901 - B1-ber), *Berberis buxifolia* 'Nana' (2016.0039 - RRG(w)), *Berberis calliantha* (1935.011974 - B1-ber; 2008.2271 - RRI; 1938.000911 - VG; XX.001035 - VG), *Berberis canadensis* (1888.011905 - B1-ber), *Berberis candidula* (1907.011986 - B1-ber; XX.000978 - VG), *Berberis* × *carminea* 'Barbarossa' (1925.011937 - B1-ber), *Berberis* × *carminea* 'Buccaneer' (1939.011945 - B1-ber), *Berberis* × *carminea* 'Pirate King' (1939.011941 - B1-ber), *Berberis chinensis* (2006.1758 - B1-ber; 2001.0395 - RRG), *Berberis circumserrata* (XX.011902 - B1-ber; XX.000471 - CH), *Berberis concinna* (1926.011967 - B1-ber), *Berberis congestiflora* (1947.011925 - B1-ber), *Berberis consimilis* (1940.011922 - B1-ber; XX.010130 - CT-south), *Berberis corallina* (2000.0916 - RRB), *Berberis coxii* (1941.011930 - B1-ber), *Berberis cretica* (2006.1759 - B1-ber), *Berberis darwinii* (XX.011956 - B1-ber), *Berberis darwinii* 'Nana' (2016.0040 - RRG(w); 2015.0495 - RRH), *Berberis darwinii* var. *rubens* (XX.009656 - OS), *Berberis dealbata* (1934.011958 - B1-ber), *Berberis dictyophylla* (XX.011915 - B1-ber), *Berberis dielsiana* (XX.011910 - B1-ber; 1930.000392 - CH; 1930.010818 - CH), *Berberis dumicola* (1908.011991 - B1-ber), *Berberis empetrifolia* (XX.011904 - B1-ber), *Berberis ferdinandi-coburgii* (2003.0243 - SL), *Berberis floribunda* (1941.011970 - B1-ber), *Berberis francisci-ferdinandi* (1909.011903 - B1-ber; XX.011865 - RRG), *Berberis* × *frikartii* 'Telstar' (1977.0035 - B1-ber), *Berberis gagnepainii* (XX.010152 - CT-south), *Berberis gilgiana* (1938.011906 - B1-ber), *Berberis glaucocarpa* (1952.011959 - B1-ber), *Berberis* 'H.T.Gallagher' (XX.011947 - B1-ber), *Berberis* 'Hamwood Pink' (1980.1831 - B1-ber), *Berberis hayatana* (1995.1144 - Fam2), *Berberis henryana* (1932.011980 - B1-ber; 2003.0056 - SL, SL), *Berberis hookeri* (1934.011909 - B1-ber; XX.011963 - B1-ber; XX.005183 - CT-north; XX.001042 - VG), *Berberis hookeri* 'Compacta' (XX.010120 - CT-south; XX.010123 - CT-south), *Berberis insignis* (1924.011971 - B1-ber; 1924.000478 - CH), *Berberis* × *interposita* 'Wallich's Purple' (2003.0637 - RRJ), *Berberis jaeschkeana* var. *usteriana* (1954.011951 - B1-ber), *Berberis jamesiana* (1918.011926 - B1-ber), *Berberis johannis* (1946.011908 - B1-ber), *Berberis julianae* (XX.011921 - B1-ber; 1908.010065 - CT-north; 1924.010159 - CT-north; XX.010136 - CT-south; 2017.0276 - P4; XX.000966 - VG), *Berberis kawakamii* var. *formosana* (1941.011996 - B1-ber; 2006.3196 - RRG; 1995.1326 - SL), *Berberis koehneana* (1954.011924 - B1-ber), *Berberis lecomtei* (1928.011993 - B1-ber), *Berberis* × *lologensis* (1927.011932 - B1-ber), *Berberis manipurana* (1941.011961 - B1-ber),

Berberis microphylla (1927.011965 - B1-ber), *Berberis microphylla* 'Pygmaea' (2015.0494 - RRA), *Berberis morrisonensis* (XX.011948 - B1-ber), *Berberis* × *ottawensis* 'Atropurpurea Superba' (XX.010203 - OA), *Berberis* × *ottawensis* f. *purpurea* (1960.011929 - B1-ber), *Berberis* × *ottawensis* 'Superba' (XX.011992 - B1-ber), *Berberis panlanensis* (2004.2035 - SL), *Berberis parisepala* (1954.011990 - B1-ber), *Berberis poiretii* (1912.000414 - CH, CH), *Berberis poiretii* var. *weichangensis* (1912.011987 - B1-ber), *Berberis praecipua* (1936.011966 - B1-ber), *Berberis prattii* (1932.011927 - B1-ber; 2006.1760 - B1-ber), *Berberis pruinosa* (XX.011920 - B1-ber; 1930.010114 - CT-south), *Berberis sanguinea* (1910.011907 - B1-ber; 1942.011918 - B1-ber), *Berberis sargentiana* (XX.010161 - CT-north, CT-south), *Berberis sikkimensis* (1954.011938 - B1-ber, B1-ber), *Berberis silva-taroucana* (2006.1761 - B1-ber), *Berberis soulieana* (1941.011977 - B1-ber), *Berberis* × *stenophylla* (XX.011944 - B1-ber; XX.011973 - B1-ber; XX.011998 - B1-ber), *Berberis* × *stenophylla* 'Claret Cascade' (2002.0321 - B1-ber), *Berberis* × *stenophylla* 'Coccinea' (2006.3195 - RRG), *Berberis* × *stenophylla* 'Corallina' (2002.0576 - RRF, RRI), *Berberis* × *stenophylla* 'Corallina Compacta' (1930.011936 - B1-ber), *Berberis* × *stenophylla* 'Gracilis Nana' (1953.011995 - B1-ber), *Berberis* × *stenophylla* 'Irwinii' (1930.011934 - B1-ber; 1930.009518 - VG), *Berberis* × *stenophylla* 'Latifolia' (1930.011942 - B1-ber; 1995.1342 - B1-ber; 2000.3268 - OA2), *Berberis thunbergii* 'Atropurpurea' (1934.011968 - B1-ber, B1-ber), *Berberis thunbergii* 'Atropurpurea Nana' (XX.011999 - B1-ber), *Berberis thunbergii* 'Cheal's Scarlet' (XX.011943 - B1-ber), *Berberis thunbergii* 'Orange Dream' (2016.0292 - RRO), *Berberis thunbergii* 'Rose Glow' (1970.0996 - B1-ber), *Berberis tsangpoensis* (XX.010032 - CT-north), *Berberis tsarongensis* (1948.011913 - B1-ber), *Berberis veitchii* (1914.011928 - B1-ber; 1914.011978 - B1-ber; 2003.0054 - SL), *Berberis vernae* (2004.2027 - SL), *Berberis verruculosa* (2006.1762 - B1-ber; 2006.3219 - RRG(w)), *Berberis* × *vilmorinii* (XX.000399 - CH), *Berberis virescens* (1919.011960 - B1-ber), *Berberis virescens* 'Fructo Rubra' (2006.1763 - B1-ber), *Berberis vulgaris* 'Variegata' (1931.011917 - B1-ber), *Berberis wilsoniae* (XX.011916 - B1-ber; 1925.000465 - CH), *Berberis wilsoniae* var. *stapfiana* (XX.011981 - B1-ber), *Berberis wilsoniae* var. *subcaulialata* (1911.011962 - B1-ber), **Berchemia giraldiana** (1927.010325 - WS), **Berchemia lineata** (1934.011760 - AY-B10), **Bergenia** Ballawley Hybrids (XX.011538 - AB, OB), *Bergenia ciliata* (2000.3113 - M2-H), *Bergenia ciliata* f. *ligulata* (2006.3532 - VG; XX.001137 - VG), *Bergenia cordifolia* (2006.1732 - AB; XX.000857 - Fam1, OS), *Bergenia cordifolia* 'Purpurea' (2000.2503 - M2-J), *Bergenia cordifolia* 'Rotblum' (2014.0107 - RRG, RRH), *Bergenia crassifolia* var. *pacifica* (XX.012368 - Fam1, OS), *Bergenia purpurascens* (XX.000856 - Fam1; 1998.0883 - SL), *Bergenia* 'Rotblum' (2002.0744 - RRG), **Berkheya macrocephala** (XX.012192 - Fam3), **Beschorneria yuccoides** (2000.3640 - M2-J), **Betula albosinensis** (2006.2000 - CH), *Betula albosinensis* 'Fascination' (2014.0257 - A5S), *Betula chichibuensis* (2001.4117 - A4), *Betula davurica* (2006.3197 - RRG), *Betula ermanii* 'Blush' (2015.0092 - A4), *Betula ermanii* 'Grayswood Hill' (2014.0258 - A5S), *Betula ermanii* 'Holland' (2015.0093 - A4), *Betula humilis* (1910.005666 - RRA), *Betula lenta* (XX.013751 - A4), *Betula maximowicziana* (2017.0024 - A5S), *Betula medwediewii* (2016.0202 - A4), *Betula nigra* 'Heritage' (2015.0094 - A4), *Betula papyrifera* (XX.013769 - A4; XX.013771 - A4; XX.013360 - RS-a), *Betula pendula* (1977.2121 - A4; 2004.0028 - A4; XX.013752 - A4; XX.013765 - A4; XX.013774 - A4; 1943.013915 - A5S; 1960.011849 - OA2; 2008.2574 - VG), *Betula pendula* f. *crispa* (2016.0205 - A4), *Betula pendula* 'Fastigiata' (2016.0206 - A5S), *Betula pendula* 'Magical Globe' (2015.0496 - A5S), *Betula pendula* 'Obelisk' (2015.0095 - A4), *Betula pendula* 'Purpurea' (2016.0203 - A5S), *Betula pendula* 'Spider Alley' (2015.0497 - A5S), *Betula pendula* 'Tristis' (2017.0023 - A5S), *Betula pendula* 'Youngii' (2016.0204 - A4; 1904.013914 - A5S), *Betula platyphylla* (XX.013775 - A4), *Betula pubescens* (XX.013767 - A4; 1968.0525 - A5S; XX.013066 - M1; XX.001048 - VG), *Betula szechuanica* (2001.4067 - A4; 1998.0572 - SL; 2002.2240 - SL), *Betula utilis* (2014.0391 - C1; 1949.007692 - T2), *Betula utilis* var. *jacquemontii* (2014.0261 - A5S), *Betula utilis* var. *jacquemontii* 'Doorenbos' (2015.0096 - A4), *Betula utilis* var. *jacquemontii* 'Trinity College' (2013.0053 - A4), **Bifrenaria inodora** (1997.1368 - OH), **Billbergia nutans** (XX.012193 - Fam4), **Blakea cuneata** (2000.2743 - PH-c), **Blechnum brasiliense** (2007.0904 - OH; 2012.1592 - PH-a), **Blechnum magellanicum** (2004.1020 - M2-J), **Bletilla rosea** (2006.0022 - OH), **Bletilla striata** (1975.0004 - Fam4; 2000.1146 - RRG), **Bomarea caldasii** (1995.1095 - AY-B10; 1995.1096 - AY-B10), **Boronia alata** (2007.0778 - CLE-D), **Boykinia jamesii** (XX.003539 - AY-B05), **Brachyscome** 'Tinkerbelle' (2000.3216 - AY-B09, AY-B10, AY-B10, AY-B10), **Brasiliorchis picta** (2006.0102 - OH; 2006.0111 - OH), **Brassavola nodosa** (2006.0023 - OH), *Brassavola perrinii* (2004.0591 - OH, OH, OH), **Brassia** 'Aranka Verde' (2004.0594 - OH), *Brassia Rex* (2004.0593 - OH), *Brassia verrucosa* (2000.3340 - OH; 2014.0149 - OH), **Brassicattleya Maikai** 'Mayumi' (2004.0595 - OH), **Brimeura amethystina** (1972.1325 - Fam4), **Broussonetia kazinoki** (XX.013795 - C2-E), *Broussonetia papyrifera* (2004.1729 - ES; 2002.3970 - SL, T1; 2004.1729 - VG), *Broussonetia papyrifera* (XX.013797 - C2-E), **Browningia hertlingiana** (XX.007302 - CC), **Bryonia alba** (2005.0751 - Fam2), **Buddleja albiflora** (XX.005953 - VB-b), *Buddleja alternifolia* 'Silver Form' (1962.005943 - VB-b), *Buddleja auriculata* (2000.3270 - VB-b, VB-b; 1963.005870 - VB-w), *Buddleja caryopteridifolia* (XX.007646 - VB-b, VB-b), *Buddleja colvilei* (1962.005939 - VB-b; XX.005897 - VB-w), *Buddleja colvilei* 'Hawth Variety' (1961.005940 - VB-b), *Buddleja colvilei* 'Kewensis' (2003.1038 - VB-b), *Buddleja crispa* (XX.

008396 - AY-B07; 1998.2033 - SL), *Buddleja davidii* (1999.3609 - SL; 1962.005931 - VB-b; 1962.005938 - VB-b; 1962.005944 - VB-b; 1963.005922 - VB-b; 1999.3609 - VB-b; 2006.3483 - VB-b; 2006.3484 - VB-b; 2006.3485 - VB-b; 2006.3486 - VB-b; 2006.3487 - VB-b; 2009.1772 - VB-b; 2009.1775 - VB-b; XX.005936 - VB-b), *Buddleja davidii* 'African Queen' (2003.0638 - VB-b), *Buddleja davidii* 'Amphissima' (1962.005927 - VB-b), *Buddleja davidii* 'Black Knight' (2008.0731 - VB-b; XX.005947 - VB-b), *Buddleja davidii* 'Border Beauty' (2008.0732 - VB-b; XX.005934 - VB-b), *Buddleja davidii* BUZZ IVORY 'Tobuivo' (2013.1360 - VB-b), *Buddleja davidii* 'Buzz Lavender' (2013.1361 - VB-b), *Buddleja davidii* BUZZ MAGENTA 'Tobudpipur' (2013.1362 - VB-b), *Buddleja davidii* BUZZ SKY BLUE 'Tobuskyblu' (2013.1363 - VB-b), *Buddleja davidii* 'Distinction' (1962.005941 - VB-b), *Buddleja davidii* 'Empire Blue' (2003.0639 - VB-b; 2008.0733 - VB-b), *Buddleja davidii* 'Glasnevin Hybrid' (1994.0053 - VB-b), *Buddleja davidii* 'Harlequin' (1960.005932 - VB-b), *Buddleja davidii* 'O'Mahony' (XX.005925 - VB-b), *Buddleja davidii* 'Peace' (1966.005946 - VB-b, VB-b, VB-b; 2008.0730 - VB-b), *Buddleja davidii* 'Royal Red' (1961.007648 - VB-b; 2008.0735 - VB-b), *Buddleja davidii* var. *magnifica* (XX.005923 - VB-b), *Buddleja davidii* var. *nanhoensis* (2008.0736 - VB-b), *Buddleja davidii* 'Variegata' (1960.005933 - VB-b), *Buddleja davidii* 'Variegated Royal Red' (1961.005937 - VB-b), *Buddleja davidii* 'White Ball' (2008.0737 - VB-b), *Buddleja davidii* 'White Bouquet' (XX.005845 - VB-b), *Buddleja delavayi* (1962.007647 - VB-b), *Buddleja fallowiana* var. *alba* (1962.005928 - VB-b), *Buddleja farreri* (1996.1522 - VB-b; 2008.1639 - VB-b; 1930.005879 - VB-w), *Buddleja forrestii* (2001.3753 - SL), *Buddleja glabrescens* (2006.3489 - VB-b), *Buddleja globosa* (1962.005950 - VB-b), *Buddleja lindleyana* (1995.1281 - AB; 1962.005935 - VB-b; 2007.0935 - VB-b), *Buddleja* 'Lochinch' (2008.0738 - VB-b), *Buddleja loricata* (2003.1207 - VB-b), *Buddleja macrostachya* (2003.1040 - VB-b), *Buddleja madagascariensis* (XX.008394 - VB-b), *Buddleja megaloccephala* (2003.1041 - VB-b), *Buddleja myriantha* f. *fragrans* (2003.1208 - VB-b), *Buddleja nivea* (2003.1042 - VB-b), *Buddleja officinalis* (1962.005926 - VB-b), *Buddleja* × *weyeriana* 'Beech Park' (2000.2388 - VB-b), *Buddleja* × *weyeriana* 'Elstead Hybrid' (1962.005942 - VB-b), *Buddleja* × *weyeriana* 'Sungold' (2003.1209 - VB-b), ***Buglossoides purpureocaerulea*** (1999.2030 - P5-d), ***Bulbinella hookeri*** (1999.3756 - Fam4), ***Bulbophyllum cornutum*** (XX.013478 - OH), ***Bulbophyllum cupreum*** (XX.013494 - OH), ***Bulbophyllum frostii*** (1950.013493 - OH), ***Bulbophyllum lepidum*** (2004.0596 - OH), ***Bulbophyllum lilacinum*** (XX.013488 - OH), ***Bulbophyllum lobbii*** (2008.1007 - OH), ***Bulbophyllum longissimum*** (2004.0606 - OH), ***Bulbophyllum maculosum*** (XX.013477 - OH), ***Bulbophyllum mannii*** (1907.013479 - OH), ***Bulbophyllum mastersianum*** (1955.013593 - OH), ***Bulbophyllum mirta*** (XX.002171 - OH), ***Bulbophyllum mirum*** (2004.0598 - OH), ***Bulbophyllum neilgherense*** (XX.013489 - OH), ***Bulbophyllum pechei*** (XX.013491 - OH), ***Bulbophyllum picturatum*** (XX.013490 - OH), ***Bulbophyllum psittacoides*** (XX.013480 - OH), ***Bulbophyllum pulchrum*** 'Cliftoni' (XX.012549 - OH, OH, OH), ***Bulbophyllum purpurascens*** (1960.013592 - OH), ***Bulbophyllum reinwardtii*** (XX.013495 - OH), ***Bulbophyllum stelis*** (XX.013955 - OH), ***Bulbophyllum teres*** (2004.0597 - OH), ***Bulbophyllum umbellatum*** (XX.013445 - OH), ***Bulbophyllum wightii*** (XX.002380 - OH), ***Bupleurum fruticosum*** (XX.009642 - OS), ***Buxus harlandii*** (XX.011095 - A2), ***Buxus microphylla*** var. *japonica* (XX.0011084 - A2; XX.012954 - A2), ***Buxus microphylla*** var. *japonica* (1963.009860 - A3), ***Buxus microphylla*** var. *japonica* 'Aurea' (1930.011103 - A2), ***Buxus microphylla*** var. *japonica* 'Aurea' (1930.009863 - A3), ***Buxus sempervirens*** (XX.013855 - A5N; 2015.0126 - AB, AB; 2015.0149 - AB; XX.013928 - CT-north; XX.013932 - CT-north; 2006.2309 - EG-wall; XX.011853 - OA2; XX.001118 - VG; XX.009575 - VG), ***Buxus sempervirens*** 'Angustifolia' (XX.011082 - A2; XX.009649 - OS), ***Buxus sempervirens*** 'Aurea Pendula' (XX.009861 - A3), ***Buxus sempervirens*** 'Aureovariegata' (XX.009858 - A3), ***Buxus sempervirens*** 'Glaucua' (1931.011079 - A2; 1931.011106 - A2), ***Buxus sempervirens*** 'Marginata' (XX.011078 - A2; XX.011097 - A2; XX.012952 - A2; 2006.2976 - OA2; XX.011850 - OA2), ***Buxus sempervirens*** 'Navicularis' (XX.011092 - A2), ***Buxus sempervirens*** 'Prostrata' (XX.011847 - OA2), ***Buxus sempervirens*** 'Pyramidalis' (XX.009811 - A3; 2005.1592 - AB, AB), ***Buxus sempervirens*** 'Pyramidalis Nana' (2006.3220 - RRG(w)), ***Buxus sempervirens*** 'Rotundifolia' (1961.011104 - A2), ***Buxus sempervirens*** 'Rotundifolius' (XX.010651 - AB, AB, AB, AB), ***Buxus sempervirens*** 'Salicifolia Elata' (XX.011100 - A2), ***Buxus sempervirens*** 'Variegata' (XX.012882 - M2-B), ***Buxus wallichiana*** (XX.012951 - A2; 1925.009857 - A3).

Key to the locations:

A1: Arboretum - South-East adjacent to Taxus, **A2:** Arboretum - North-East adjacent to Chain Tent, **A3:** Arboretum - North-West Adjacent to Tolka River, **A4:** Arboretum - South-West (Birch/Aesculus class), **A5N:** Arboretum - Far walls, from central path to Tolka., **A5S:** Arboretum - Far walls, from Yew class to central path., **AB:** Alpine Yard shrubbery North and East sides, **AY-B01:** Alpine yard bed: semi-circular bed at east end; centre, **AY-B02:** Alpine yard bed: semi-circular bed in south east corner, **AY-B03:** Alpine yard bed: bed on east-side of house; south end, **AY-B04:** Alpine yard bed: bed on south-east corner of house, **AY-B05:** Alpine yard bed: bed on east-side of house; middle section, **AY-B06:** Alpine yard bed: bed on east-side of house; north end, **AY-B07:** Alpine yard bed: semi-circular bed at east end; north end, **AY-B08:** Alpine yard bed: semi-circular bed at east end; south end, **AY-B09:** Alpine yard bed: bed along north wall; west of archway, **AY-B10:** Alpine yard bed: bed along north wall; east of archway, and beyond corner seat, **AY-B11:** Alpine yard bed: bed along east wall next to doorway, **AY-B12:** Alpine yard bed: bed at west end around compass points, **AY-B13:** Alpine yard bed: bed on west-side of house; north end, **AY-B14:** Alpine yard bed: bed on west-side of house; middle section, **AY-B15:** Alpine yard bed: bed on west-side of house; south end, **AY-B16:** Alpine yard bed: bed on south-side of house; east end, Hostas, **AY-T1:** Alpine yard trough: NW Corner, **AY-T2:** Alpine yard trough: SE Corner, **AY-T3:** Alpine yard trough: NE Corner, **B1:** Berberis Class Lawn (trees only), **B1-ber:** Berberidaceae Class, **B1-mah:** Mahonia Class, **B3:** Old Cedar Lawn Excluding Family Beds, **C1:** Class (Forsythia and Syringa) Opposite Alpine Yard, **C2-E:** Ailanthus Lawn - East, **C2-W:** Liquidamber Lawn - West, **C3-A:** Cotoneaster bed in NW corner, **C3-ana:** Anacardiaceae Class, **C3-B:** Cotoneaster bed on W side, **C3-rha:** Rhamnaceae Class, **C3-vib:** Viburnum Class, **C5:** Class (Zelkova Lawn), **C6:** Rosaceae Class lawn Near Semi-Circular, **CC:** Cactus and Succulent House, **CH:** Chinese Shrubbery, **CLE-B:** Curvilinear House: East, Planters on outer wall, **CLE-D:** Curvilinear House: East, Australia, **CM-east:** Cemetery Shrubbery (Between Dogyard Gate & Tower) including Cemetery Gate, **CP:** Car Park Beds (unspecified), **CT-north:** Chain Tent Shrubbery from Tolka to Gap but not including Chain Tent, **CT-south:** Chain Tent Shrubbery from Gap to Arboretum, **DZ-dtz:** Deutzia class, **DZ-lon:** Lonicera class, **DZ-phl:** Philadelphus class, **EG-wall:** Walled Garden - Walls, **EN:** Entrance to the Garden, beds outside the main gates, **ES:** Walled Garden - Shrubbery (under Maytenus boaria), **Fam0:** Family Beds: Paleotrees & Paleoherbs, **Fam1:** Family Beds: Saxifragales & Caryophyllids, **Fam2:** Family Beds: Rosids, **Fam3:** Family Beds: Asterids, **Fam4:** Family Beds: Monocots, **G1:** Front lawns: Lawn adjacent to & including WOODY PLANTS in the Director's garden, **G2:** Front lawns: Parrotia Lawn, **Iris:** Iris Collection, **LA:** Fabaceae Class Section A, **LB:** Fabaceae Class Section B, **LC:** Fabaceae Class Section C, **LD:** Fabaceae Class Section D, **M1:** Western Quadrant of Millfield; Main lawn trees & Shrubs, **M1-A:** Millfield: Rhodo island bed on south side, **M1-B:** Millfield: Hamamelis bed on south side, **M1-C:** Millfield: Island bed in outh-west corner, **M1-D:** Millfield: Rhodo island bed on west side, **M1-E:** Millfield: Rhodo island bed in north-west corner, **M1-F:** Millfield: Heather bed nearest Socrates, **M1-G:** Millfield: Tree heathers, **M1-H:** Millfield: Heather bed furthest from Socrates, **M1-J:** Millfield: Rhodo island bed in North-east corner, **M1-K:** Millfield: Rhodo island bed along side of eastern path, **M1-L:** Millfield: Rhodo island bed in South-east corner, **M2-B:** Millfield East: Riverside woodland Plot (Mag hypoleuca), **M2-E:** Millfield East: River edges each side of bridge, **M2-F:** Millfield East: Roses South of Bridge, both sides, **M2-H:** Millfield East: Rhododendron plot, **M2-J:** Millfield East: Island woodland Plot, **MG:** Magnolia Corral: Magnolias, **MG-C:** Magnolia Corral: Clematis Pergola, **NZ-E:** New Zealand Shrubbery: East, **NZ-S:** New Zealand Shrubbery: South, **NZ-W:** New Zealand Shrubbery: West, **O1:** Oak Class, Wild Garden Quadrant With Hickory, **O2:** Oak Class, Main Area With Cork Oak behind Chinese Shrubbery, **OA:** Office Border eastern side, permanent shrubs only, **OA2:** Shrubbery by Main Gate Shelter, **OB:** Office Border, Herbaceous Borders around Director's House, **OBE:** Office Border East, Herbaceous Borders opposite Director's House, **OH:** Orchid House, **OS:** Shrubbery Along Road-Wall Between Main Office and McCanns, **P2:** Pine Hill, large area opposite Yew Class, **P4:** Pine Hill, Lowest Part With Davidia and Copper Beech, **P5:** Area to east of bridge, surrounding the pond, **P5-a:** Rhododendron bed by Sequoiadendron, **P5-b:** Rhododendron bed by Rock Garden, **P5-c:** Bog bed at east end of pond, **P5-d:** Bog bed east of bridge, and below dry stone wall, **P6:** Area to West of Bridge Surrounding the Pond, **P6-a:** Rhododendron bed on south side of Pond, **P6-b:** Rhododendron bed on north side of Pond, **P6-c:** Bog bed to west of pond bridge, **P7-a:** Lawns Between Dry Stone Wall and Tolka: East, **P7-b:** Lawns Between Dry Stone Wall and Tolka: Centre, **P7-c:** Lawns Between Dry Stone Wall and Tolka: West, **PB-3:** Palm House Borders - Colletia Lawn, **PH-a:** Palm House - a: centre bed with stream, **PH-c:** Palm House - c: side benches, **R2:** Border in Front of Curvilinear House (East Cape) , **R3:** Border in Front of Curvilinear House (West Cape) , **R4:** Lawn in front of the Director's Residence, **R5:** Curvilinear Lawn, **R6:** Spiraea Lawn, **RRA:** Rockery: RA - Cedrus Comte de Dijon, **RRB:** Rockery, RB - Quadrant upslope from Cedrus, **RRC:** Rockery: RC - Ulmus, **RRD:** Rockery: RD - Fabiana, **RRF:** Rockery: RF - Pinus pinea, **RRG:** Rockery: RG - Shrubbery on upper pine hill lawn, **RRG(w):** Rockery: RG(w) - Pinus thunbergii, **RRH:** Rockery: RH -, **RRI:** Rockery: RI - Acer palmatum, **RRJ:** Rockery: RJ -, **RRL:** Rockery: RL - Rhododendron Shrubbery below Addison's Walk, **RRM:** Rockery: RM - New Ericaceous Bed, **RRN:** Rockery: RN - Rhododendron Shrubbery on lower pine hill lawn, **RRO:** Rockery: RO - semi-circular bed on SW.Side of Path - Ericaceous, **RRP:** Rockery: RP - corner to RO on SW.Side of Path (Herbaceous only), **RS:** Rose Garden: Trees, **RS-a:** Rose garden: Side lawns, clockwise from left, **RS-b:** Rose garden: NW quadrant, **RS-c:** Rose garden: NE quadrant, **RS-d:** Rose garden: SE quadrant, **RS-e:** Rose garden: SW quadrant, **RS-f:** Rose garden: Tolka wall, **RSG:** Rose garden Section: no location given, **RS-g:** Rose Garden: River bank, **SL:** Chinese Slope, **T1:** Tolka river along Millfield to rose garden bridge, **T2:** Tolka river from weir to western boundary wall, **TX:** Yew Class, **VB-a-01:** Vine Border, Hydrangea collection: Bed 1, **VB-a-02:** Vine Border, Hydrangea collection: Bed 2, **VB-b:** Vine Border, Buddleja collection, **VB-e:** Vine Border, Herbaceous Peonies, **VB-f:** Vine Border, Tree Peonies, **VB-h:** Vine Border, Herbaceous Peonies, **VB-w:** Vine Border, Walls, **VG:** Shrubbery along South side of Vegetable Garden, **WS:** Walls from Enclosed Garden Door to Tolka.