

**Pachycereus marginatus** (2010.0076 - CC, CC), **Pachyphragma macrophyllum** (2005.0083 - Fam2), **Pachypodium lamerei** (2007.0584 - CC), **Pachysandra terminalis** (XX.013934 - CT-north; XX.013935 - CT-north; 1998.0887 - SL), **Paederia scandens** (XX.005907 - VB-w), *Paederia scandens* var. *tomentosa* (2002.3931 - Fam3), **Paeonia 'Akashigata'** (2004.0191 - VB-f), *Paeonia 'Alice Harding'* (2012.1939 - VB-f), *Paeonia 'Anne Rosse'* (1970.0252 - VB-f), *Paeonia anomala* (XX.006289 - VB-h; XX.006318 - VB-h), *Paeonia arientina* (XX.006295 - VB-h, VB-h, VB-h), *Paeonia 'Artemis'* (1972.1569 - VB-f, VB-f), *Paeonia bakeri* (XX.006316 - VB-h), *Paeonia 'Banquet'* (2008.2156 - VB-f), *Paeonia 'Beatrice Kelway'* (XX.006379 - VB-e), *Paeonia cambessedesii* (XX.005719 - RRA), *Paeonia 'Cardinal Vaughan'* (2004.0193 - VB-f), *Paeonia 'Chinese Dragon'* (2008.2157 - VB-f), *Paeonia corallina* (1975.0513 - Fam1), *Paeonia 'Darius'* (XX.006371 - VB-e), *Paeonia 'Defender'* (XX.006374 - VB-e), *Paeonia delavayi* (XX.000404 - CH; 1967.0387 - VB-f; XX.006352 - VB-f), *Paeonia 'Dreadnought'* (XX.006366 - VB-e), *Paeonia 'Duchess of Marlborough'* (2004.0195 - VB-f), *Paeonia emodi* (XX.006296 - VB-e; 2006.3516 - VB-h; XX.006296 - VB-h, VB-h; XX.006336 - VB-h, VB-h), *Paeonia 'Fen Dan Bai'* (2004.0196 - VB-f), *Paeonia Gansu Group 'Bing Xin Ye Guang Bei'* (2008.2176 - VB-f), *Paeonia Gansu Group 'Guang Hui Li Cheng'* (2008.2177 - VB-f), *Paeonia Gansu Group 'Hei Feng Die'* (2008.2178 - VB-f), *Paeonia Gansu Group 'Mo Hai Yin Bo'* (2008.2179 - VB-f), *Paeonia Gansu Group 'Tao Hua Nu'* (2008.2180 - VB-f), *Paeonia Gansu Group 'Tie Mian Wu Si'* (2008.2181 - VB-f), *Paeonia Gansu Group 'Ye Guang Bei'* (2008.2182 - VB-f), *Paeonia Gansu Group 'Yu Rong Dan Xin'* (2008.2183 - VB-f), *Paeonia Gansu Group 'Zi Die Ying Feng'* (2008.2184 - VB-f), *Paeonia 'Gertrude'* (XX.006372 - VB-e), *Paeonia grandiflora* (XX.006299 - VB-h), *Paeonia 'Harvest'* (2008.2158 - VB-f), *Paeonia 'Hei Nun'* (2007.0796 - VB-f), *Paeonia 'Hong Lian'* (2012.1940 - VB-f), *Paeonia 'Hui He'* (2006.4082 - VB-f; 2008.2175 - VB-f), *Paeonia itoh 'San Marino'* (2017.0301 - VB-f), *Paeonia 'Jin Ge'* (2012.1941 - VB-f), *Paeonia 'Kelway's Queen'* (1954.006362 - OB), *Paeonia 'Kinko'* (2007.0798 - VB-f), *Paeonia lactiflora* (XX.006334 - VB-e; XX.006367 - VB-e), *Paeonia lactiflora 'Asa Gray'* (1952.006365 - VB-e), *Paeonia lactiflora 'Ballaway'* (1954.006341 - VB-e), *Paeonia lactiflora 'Bowl of Beauty'* (1954.006363 - VB-e), *Paeonia lactiflora 'Dorothy'* (XX.006346 - VB-e), *Paeonia lactiflora 'Duchesse de Nemours'* (2006.3510 - VB-e), *Paeonia lactiflora 'Edulis Superba'* (XX.006359 - VB-e), *Paeonia lactiflora 'Gayborder June'* (1952.006382 - VB-e), *Paeonia lactiflora 'Graziella'* (XX.006347 - VB-e), *Paeonia lactiflora 'Grisselle'* (XX.006373 - VB-e), *Paeonia lactiflora 'James Kelway'* (1954.006376 - VB-e), *Paeonia lactiflora 'Kaiserine'* (XX.006368 - VB-e), *Paeonia lactiflora 'Kelway's Glorious'* (1954.006337 - VB-e), *Paeonia lactiflora 'Kelway's Supreme'* (1954.006386 - VB-e), *Paeonia lactiflora 'Lady Alexandra Duff'* (XX.006360 - VB-e), *Paeonia lactiflora 'Madame Jules Dessert'* (XX.006370 - VB-e), *Paeonia lactiflora 'Marie Crousse'* (1954.006381 - VB-e), *Paeonia lactiflora 'Milton'* (XX.006338 - VB-e), *Paeonia lactiflora 'Mons Jules Elie'* (XX.006377 - VB-e), *Paeonia lactiflora 'Primevere'* (XX.006380 - VB-e), *Paeonia lactiflora 'Purpurea'* (XX.006342 - VB-e), *Paeonia lactiflora 'Reevesiana'* (XX.006345 - VB-e), *Paeonia lactiflora 'Sarah Bernhardt'* (1952.006361 - VB-e), *Paeonia lactiflora 'Venus'* (XX.006340 - VB-e), *Paeonia lactiflora 'Whitley'* (XX.006339 - VB-e; XX.006343 - VB-e; XX.006385 - VB-e), *Paeonia 'Lan He'* (2006.4083 - VB-f), *Paeonia 'Leda'* (2008.2159 - VB-f), *Paeonia × lemoinei 'Argosy'* (XX.006344 - VB-f, VB-f, VB-f), *Paeonia × lemoinei 'Marchioness'* (2008.2160 - VB-f), *Paeonia ludlowii* (1967.0388 - VB-f, VB-f), *Paeonia lutea* (1990.9580 - Fam1), *Paeonia lutea × suffruticosa* (2006.3513 - VB-f), *Paeonia macrophylla* (2009.1802 - VB-h), *Paeonia mairei* (2001.1519 - SL), *Paeonia 'Major'* (XX.006384 - VB-e), *Paeonia mascula* (2000.1277 - RRA; XX.006322 - VB-h; XX.006324 - VB-h), *Paeonia mascula* subsp. *arietina 'Andersoni'* (XX.006293 - VB-h), *Paeonia mascula* subsp. *arietina 'Northern Glory'* (XX.006292 - VB-h, VB-h), *Paeonia mlokosewitschii* (XX.000707 - Fam1; 2000.1468 - VB-h), *Paeonia mollis* (XX.006310 - VB-h; XX.006311 - VB-h), *Paeonia mollis 'Marie Jacquin'* (XX.006348 - VB-e), *Paeonia obovata* (1999.0793 - SL; XX.006307 - VB-e; 2001.1518 - VB-h; XX.006307 - VB-h), *Paeonia officinalis* (XX.006306 - RRA, VB-h; XX.006330 - VB-h), *Paeonia officinalis 'Alba Plena'* (2009.1801 - VB-h), *Paeonia officinalis 'Anemoniflora'* (XX.006327 - VB-h), *Paeonia officinalis 'Blanda'* (XX.006329 - VB-h), *Paeonia officinalis 'Rosea Plena'* (XX.006331 - VB-h, VB-h, VB-h), *Paeonia officinalis 'Rubra Plena'* (XX.006332 - VB-h, VB-h), *Paeonia officinalis 'Sabinei'* (XX.006328 - VB-h), *Paeonia officinalis* subsp. *microcarpa* (XX.006305 - VB-h), *Paeonia ostii* (2006.0323 - SL), *Paeonia paradoxa* (2004.0827 - VB-h), *Paeonia peregrina* (1991.0323 - Fam1; 1998.0200 - RRF; 2000.1276 - VB-h), *Paeonia 'Pink Hawaiian Coral'* (2008.2233 - VB-e), *Paeonia potaninii* (2014.1167 - Fam1; XX.006353 - VB-f), *Paeonia potaninii* f. *alba* (XX.006351 - VB-f), *Paeonia potaninii* var. *trollioides* (XX.000470 - CH; XX.006350 - VB-f), *Paeonia 'Princess of Wales'* (XX.006364 - VB-e), *Paeonia rockii* (2006.4087 - VB-f; 2008.2162 - VB-f), *Paeonia rockii 'Bai Zhang Bing'* (2006.4080 - VB-f), *Paeonia rockii 'Bing Shan Xue Lian'* (2007.0789 - VB-f), *Paeonia rockii Gansu Group 'Bai He Liang Chi'* (2009.1999 - VB-f), *Paeonia rockii Gansu Group 'Fen He'* (2007.0790 - VB-f), *Paeonia rockii Gansu Group 'Zi De'* (2009.2001 - VB-f), *Paeonia rockii 'He Ping Lian'* (2000.2116 - M2-H), *Paeonia rockii 'Hong Guan Yu Die'* (2006.0217 - VB-f), *Paeonia rockii 'Huang He'* (2006.4081 - VB-f), *Paeonia rockii 'Lan Guan Xue Die'* (2007.0791 - VB-f), *Paeonia rockii 'Mei Gui Sa Jin'* (2006.0218 - VB-f), *Paeonia rockii 'Mo Guan Yu Zhu'* (2012.1942 - VB-f), *Paeonia rockii 'Shu Sheng Peng Mo'* (2006.4084 - VB-f), *Paeonia rockii 'Tian Bai Xue'* (2007.0792 - VB-f), *Paeonia rockii 'Yu Ban Xiu Kui'* (2012.1943 - VB-f), *Paeonia rockii 'Yu Xi Ying Yue'* (2007.0793 - VB-f), *Paeonia rockii 'Zi Ban Bai'* (2006.4086 - VB-f), *Paeonia rockii 'Zi Guan Yu Zhu'* (2006.0220 - VB-f), *Paeonia rockii 'Zi Hai Yin Bo'* (2006.0219 - VB-f),

*Paeonia rockii* 'Zi He' (2006.0221 - VB-f), *Paeonia* 'Roman Gold' (2008.2161 - VB-f), *Paeonia* 'Smouthii' (XX.006320 - VB-h, VB-h, VB-h), *Paeonia suffruticosa* (XX.011177 - R4), *Paeonia suffruticosa* 'Adzuma Nishiki' (2008.2165 - VB-f), *Paeonia suffruticosa* 'Dou Lu' (2006.0222 - VB-f), *Paeonia suffruticosa* 'Duchesse de Morny' (2008.2167 - VB-f), *Paeonia suffruticosa* 'Feng Dan Zi' (2006.4088 - VB-f), *Paeonia suffruticosa* 'Hai Huang' (2006.0223 - VB-f), *Paeonia suffruticosa* 'Hana kisoii' (2008.2171 - VB-f), *Paeonia suffruticosa* 'Hana-daijin' (2008.2168 - VB-f), *Paeonia suffruticosa* 'Hei Hua Kui' (2007.0794 - VB-f), *Paeonia suffruticosa* 'Jiu Zui Yang Fei' (2006.0225 - VB-f), *Paeonia suffruticosa* 'Kaow' (2008.2169 - VB-f), *Paeonia suffruticosa* 'Lan Bao Shi' (2007.0795 - VB-f), *Paeonia suffruticosa* 'Meikoho' (2008.2170 - VB-f), *Paeonia suffruticosa* 'Qing Long Wo Mo Chi' (2009.2003 - VB-f), *Paeonia suffruticosa* 'Ri Yen Jin' (2006.0226 - VB-f), *Paeonia suffruticosa* 'Shimane-chojuraku' (2008.2172 - VB-f), *Paeonia suffruticosa* 'Taiyo' (2008.2173 - VB-f), *Paeonia suffruticosa* var. *spontanea* (1946.006354 - VB-f), *Paeonia suffruticosa* 'Xiang Yang Hong' (2006.4089 - VB-f), *Paeonia suffruticosa* 'Yae-zakura' (2008.2174 - VB-f), *Paeonia suffruticosa* 'Yan Long Zi' (2006.0227 - VB-f), *Paeonia suffruticosa* 'Zhao Fen' (2006.0228 - VB-f), *Paeonia suffruticosa* 'Zhu Sha Lei' (2006.4090 - VB-f), *Paeonia tenuifolia* (XX.006319 - VB-h), *Paeonia* 'The Moor' (XX.006375 - VB-e), *Paeonia veitchii* (2001.1522 - SL, VB-h), *Paeonia veitchii* var. *woodwardii* (2001.1617 - SL; 2004.0829 - VB-h), *Paeonia* 'Vesuvian' (2008.2163 - VB-f), *Paeonia* 'Victoria' (XX.006383 - VB-e), *Paeonia wittmanniana* (XX.006297 - VB-h, VB-h), *Paeonia wittmanniana* 'Splendens' (2008.2423 - VB-h), *Paeonia wittmanniana* var. *wittmanniana* (XX.006357 - VB-h), *Paeonia* 'Wu Long Peng Sheng' (2004.0201 - VB-f), *Paeonia* 'Zephyrus' (2008.2164 - VB-f), **Palisota** *barteri* (1977.1967 - PH-a), **Panax** *pseudoginseng* (2005.0105 - Fam2), **Pandorea** *jasminoides* (XX.008710 - CLE-D), **Papaver** *heldreichii* (2004.1299 - Fam2), *Papaver nudicaule* 'Croceum' (1994.0155 - AY-B02), *Papaver orientale* 'Maiden's Blush' (2010.0865 - OB), *Papaver orientale* 'Perry's White' (2015.0202 - CM-east), *Papaver orientale* 'Pizzicato' (2015.0203 - CM-east), *Papaver orientale* 'Prinz von Oranien' (2002.1081 - OB), *Papaver orientale* 'Watermelon' (2014.0135 - CM-east), **Paphiopedilum** 'Bingleyense' (2004.0666 - OH), *Paphiopedilum* *Capablanca* (2004.0665 - OH), *Paphiopedilum* 'Celler Freunde' (2004.0661 - OH), *Paphiopedilum* 'Colbert' (2004.0667 - OH), *Paphiopedilum delenatii* × *malipoense* (2004.0668 - OH), *Paphiopedilum delenatii* × *vietnamense* (2004.0658 - OH), *Paphiopedilum* *Hgbr Greda* (2004.0660 - OH), *Paphiopedilum* 'Hollywood' (XX.013402 - OH), *Paphiopedilum* *insigne* (XX.013400 - OH), *Paphiopedilum* 'Jason' (XX.013403 - OH), *Paphiopedilum* King Arthur 'Alex' (2004.0662 - OH), *Paphiopedilum* King Arthur 'Burgoyne' (XX.013409 - OH), *Paphiopedilum* *liemianum* (2004.0659 - OH), *Paphiopedilum* 'Lord Derby' (XX.013406 - OH), *Paphiopedilum* *Ma Belle* (2006.0009 - OH), *Paphiopedilum* *Maudiae* (2004.0670 - OH), *Paphiopedilum* *Mont Millet* (2006.0010 - OH), *Paphiopedilum* *moquettianum* × *glanduliferum* (2006.0011 - OH), *Paphiopedilum* 'Rosetti Goliath' (2004.0663 - OH), *Paphiopedilum* *Supersuk* × *sukhakuli* (2004.0664 - OH), *Paphiopedilum* *wardii* (2006.0125 - OH), **Papilionanthe** *vandarum* (1964.013438 - OH), **Parahebe** × *bidwillii* (XX.003691 - AY-B01), *Parahebe* *catarractae* (XX.003703 - RRB), *Parahebe hookeriana* (2000.0875 - AB), *Parahebe* *linifolia* (1992.0904 - AY-B01; 2000.1202 - AY-B14, RRB), *Parahebe* 'Tiny Tim' (1994.0206 - AY-B01), **Parietaria** *judaica* (1999.3860 - Fam2), **Paris** *delavayi* (2006.0324 - Fam4), *Paris* *laguanensis* (2006.0325 - Fam4), *Paris* *polyphylla* (2001.0188 - M2-H), *Paris* *polyphylla* var. *stenophylla* (2006.0326 - Fam4), *Paris* *violaceae* (2006.0327 - Fam4), **Parochetus** *communis* (2000.3250 - AY-B11), **Parodia** *leninghausii* (2003.0024 - CC), **Paronychia** *capitata* (2011.1036 - RRF), *Paronychia* *kapela* 'Binstead Gold' (2012.1247 - AY-B10; 2001.0648 - RRB), **Parrotia** *persica* (1976.1137 - CT-north; XX.009897 - G2), **Parthenocissus** *henryana* (1999.3691 - CM-east; XX.010980 - EN; 1997.1458 - WS), *Parthenocissus* *inserta* (2008.1555 - CM-east; XX.005831 - VB-w; 2008.1555 - WS, WS), *Parthenocissus* *quinquefolia* (XX.012098 - G1), *Parthenocissus* *quinquefolia* var. *murorum* (1909.010272 - WS), *Parthenocissus* *thomsonii* (XX.005814 - VB-w; XX.005892 - VB-w), **Pasania** *hancei* (2000.1685 - SL), **Passerina** *rigida* (2006.0668 - AB), **Passiflora** *caerulea* (1972.0837 - AY-B09; 1998.1728 - Fam2), *Passiflora* *morifolia* (2000.1918 - Fam2, Fam2), *Passiflora* 'Purple Haze' (2013.0128 - AY-B04), **Patrinia** *scabiosifolia* (2004.1800 - Fam3; 2004.1834 - Fam3), **Paulownia** *fortunei* (2002.3952 - SL), *Paulownia* *tomentosa* (1981.0356 - CH; XX.000425 - CH; 2015.0041 - Fam3; 2011.1864 - VG; 2013.1291 - VG; 2013.1292 - VG), **Pelargonium** *acetosum* (2008.2661 - CLE-B), *Pelargonium* 'Attar of Roses' (XX.000518 - CLE-B), *Pelargonium* *australe* (2003.1079 - CLE-D), *Pelargonium* *betulinum* (2002.2562 - CLE-B), *Pelargonium* *carnosum* (1967.000524 - CLE-B), *Pelargonium* *cotyledonis* (2001.3176 - CLE-B), *Pelargonium* *crispum* 'Variegatum' (1975.1709 - CLE-B), *Pelargonium* *denticulatum* (XX.000527 - CLE-B), *Pelargonium* *denticulatum* 'Filicifolium' (1981.1619 - CLE-B), *Pelargonium* *elongatum* (2008.1241 - CLE-B), *Pelargonium* *englerianum* (2000.2025 - CLE-B, CLE-B), *Pelargonium* *Fragrans* Group (2003.1078 - CLE-B), *Pelargonium* *fulgidum* (2017.1196 - CLE-B), *Pelargonium* *gibbosum* (2008.1345 - CLE-B), *Pelargonium* *glutinosum* (XX.000534 - CLE-B), *Pelargonium* *graveolens* (XX.000533 - CLE-B), *Pelargonium* *inquinans* (2001.1170 - CLE-B, CLE-B), *Pelargonium* 'Mabel Grey' (XX.000536 - CLE-B), *Pelargonium* *multibracteatum* (1999.1625 - CLE-B), *Pelargonium* *myrrhifolium* (2008.1343 - CLE-B, CLE-B), *Pelargonium* *myrrhifolium* var. *coriandrifolium* (2008.1243 - CLE-B; 2008.1344 - CLE-B, CLE-B), *Pelargonium* *odoratissimum* (XX.000537 - CLE-B, CLE-B), *Pelargonium* *ovale* (2001.3173 - CLE-B),

Pelargonium 'Pink Pet' (XX.000541 - CLE-B), Pelargonium pulverulentum (2008.1245 - CLE-B), Pelargonium radens (1997.1307 - CLE-B), Pelargonium ranunculophyllum (1999.1096 - CLE-B; 2008.1244 - CLE-B), Pelargonium reliquifolium (2008.1389 - CLE-B), Pelargonium saniculaefolium (2001.1862 - CLE-B), Pelargonium scabrum (1993.0020 - CLE-B), Pelargonium sidoides (1997.1415 - CLE-B, CLE-B, CLE-B, CLE-B), Pelargonium tabulare (2002.2565 - CLE-B), Pelargonium ternatum (2000.2030 - CLE-B, CLE-B), Pelargonium tetragonum (XX.000546 - CLE-B), Pelargonium tomentosum (XX.000549 - CLE-B), Pelargonium tongaense (2008.1247 - CLE-B), Pelargonium tricolor (XX.000551 - CLE-B), Pelargonium triste (2008.1248 - CLE-B), Pelargonium zonale (2008.1346 - CLE-B, CLE-B), **Peltaria alliacea** (1995.0692 - Fam2), **Penstemon arizonicus** (1985.1363 - RRB), Penstemon cardwellii (XX.003787 - AY-B07), Penstemon davidsonii var. praeteritus (2000.1787 - AY-B14), Penstemon hirsutus (2012.1560 - RRH), Penstemon newberryi (1997.0808 - AY-B08), Penstemon peckii (2003.1743 - RRD), Penstemon 'Pensham Czar' (2011.1269 - OBE), Penstemon pinifolius (2000.0972 - AY-B10; 1994.0205 - AY-T1), Penstemon pinifolius 'Mersea Yellow' (1998.0251 - AY-B07, RRA), Penstemon procerus (1999.0345 - Fam3), Penstemon pruinus (2002.0146 - AY-B01), Penstemon speciosus subsp. kennedyi (2002.0056 - AY-B14), Penstemon 'Stapleford Gem' (2010.0763 - AY-B02), Penstemon 'White Bedder' (2011.0584 - OBE), **Peperomia obtusifolia 'Alba'** (XX.002966 - OH), **Pereskia aculeata** (XX.008094 - PH-a), **Pericallis apendiculata** (1994.0884 - AY-B10), **Periploca graeca** (XX.010347 - WS), Periploca laevigata (XX.010659 - AB; 1968.001111 - AY-B09; 1969.012131 - EG-wall; XX.010343 - WS), **Persea americana** (2001.3947 - PH-c), Persea borbonia (2004.2439 - RRN), **Persicaria affinis** (XX.006820 - RRG(w)), Persicaria filiformis f. variegata (1991.0144 - M2-B), Persicaria microcephala 'Red Dragon' (2008.0897 - AB), Persicaria vacciniifolia (2001.3232 - AY-B14), **Petrocoptis pyrenaica subsp. glaucifolia** (1984.1423 - AY-B02, AY-B08, AY-B14), **Petrophytum cinerascens** (1996.0996 - AY-B14), **Petrorhagia illyrica subsp. heynaldiana** (1999.0617 - Fam1), Petrorhagia saxifraga (1985.1416 - AY-B01), **Phacelia bolanderi** (2014.1271 - Fam3), Phacelia campanularia (2005.0207 - Fam3), Phacelia congesta (XX.001271 - Fam3), Phacelia parryi (2014.0695 - Fam3), Phacelia sericea (2005.0208 - Fam3), Phacelia tanacetifolia (2005.0458 - Fam3), Phalaenopsis aphrodite (2004.0673 - OH), **Phalaenopsis aphrodite** × (equestris × Bonnie Vasquez) (2004.0671 - OH; 2004.0672 - OH), Phalaenopsis Gometz (2004.0681 - OH), Phalaenopsis Liodoro (2004.0674 - OH), Phalaenopsis Spring (2004.0675 - OH), **Phellodendron amurense** (XX.009051 - CT-north), Phellodendron amurense var. sachalinense (XX.009050 - CT-south), Phellodendron amurense var. wilsonii (1995.1166 - SL), Phellodendron chinense (XX.009055 - R5), Phellodendron japonicum (XX.009054 - P6), Phellodendron lavalleyi (1978.0237 - CT-south; XX.009052 - CT-south), Phellodendron sachalinense (XX.000448 - CH), **Philadelphus 'Albatre'** (XX.010206 - OA), Philadelphus 'Avalanche' (XX.004820 - DZ-phl), Philadelphus 'Beauclerk' (XX.004824 - DZ-phl), Philadelphus 'Belle Etoile' (2015.0925 - CM-east; XX.004823 - DZ-phl), Philadelphus 'Bicolore' (XX.009551 - DZ-phl; XX.010221 - OA), Philadelphus 'Boule d'Argent' (XX.001017 - VG), Philadelphus 'Bouquet Blanc' (XX.004821 - DZ-phl; 1997.1509 - RRI; XX.000938 - VG), Philadelphus coronarius (2002.3845 - CH; XX.010087 - CT-north; XX.004839 - DZ-phl; 2002.3845 - ES, VG), Philadelphus coronarius 'Aureus' (2014.1453 - CM-east; XX.009552 - DZ-phl; XX.001054 - VG), Philadelphus coronarius 'Nanus' (XX.004831 - DZ-phl; XX.004838 - DZ-phl), Philadelphus coulteri (1984.1285 - DZ-phl), Philadelphus delavayi (XX.000949 - VG; XX.001056 - VG, VG; XX.005533 - VG), Philadelphus 'Enchantment' (XX.000433 - CH; XX.004817 - DZ-phl), Philadelphus 'Erectus' (2003.0749 - DZ-phl; XX.010222 - OA), Philadelphus × falconeri (XX.009553 - DZ-phl; XX.009655 - OS), Philadelphus 'Favourite' (XX.004829 - DZ-phl), Philadelphus 'Galathee' (1915.010104 - CT-south; XX.004825 - DZ-phl), Philadelphus 'Glacier' (XX.004826 - DZ-phl), Philadelphus hirsutus (XX.004830 - DZ-phl), Philadelphus incanus (XX.010095 - CT-north; XX.010223 - OA; XX.000941 - VG; XX.000958 - VG), Philadelphus inodorus (XX.004834 - DZ-phl), Philadelphus inodorus var. grandiflorus (XX.009623 - OS; 1998.0971 - RRJ; 2006.3567 - VG; XX.000976 - VG), Philadelphus inodorus var. laxus (XX.004840 - DZ-phl), Philadelphus kansuensis (XX.000426 - CH), Philadelphus × lemoinei (XX.010731 - AB; XX.013397 - CT-north; XX.004822 - DZ-phl), Philadelphus lewisii (XX.009572 - DZ-phl; XX.000927 - VG), Philadelphus magdalenae (XX.004835 - DZ-phl; 1908.000981 - VG), Philadelphus 'Manteau d'Hermine' (XX.004827 - DZ-phl), Philadelphus mexicanus (XX.005860 - VB-w), Philadelphus mexicanus 'Rose Syringa' (XX.009555 - DZ-phl; XX.005884 - RRG; XX.005875 - VB-w; XX.005884 - VB-w; XX.005900 - VB-w), Philadelphus microphyllum (XX.004832 - DZ-phl), Philadelphus 'Mont Blanc' (XX.004828 - DZ-phl), Philadelphus 'Oeil de Pourpre' (XX.004818 - DZ-phl), Philadelphus pekinensis (XX.009554 - DZ-phl; XX.009628 - OS; 2001.0475 - SL), Philadelphus pubescens (XX.004837 - DZ-phl), Philadelphus pubescens var. verrucosus (XX.009179 - DZ-phl), Philadelphus purpurascens (XX.004833 - DZ-phl; 1993.0556 - SL; XX.000925 - VG; XX.000985 - VG, VG), Philadelphus 'Silver Showers' (2003.0707 - DZ-phl), Philadelphus subcanus var. magdalenae (1958.010139 - CT-south; XX.009532 - VG), Philadelphus 'Sybille' (XX.004816 - DZ-phl), Philadelphus tenuifolius (1982.2121 - DZ-phl), Philadelphus tomentosus (XX.004836 - DZ-phl), Philadelphus 'Virginal' (XX.009550 - DZ-phl), **Philodendron notabile** (1904.004081 - PH-c), Philodendron 'Red Emerald' (XX.009097 - PH-c), **Phlomis betonicoides** (2000.2635 - SL), Phlox 'Paparazzi Purple' (2017.0180 - RRB), **Phlox adsurgens** (2005.1087 - AY-B07), Phlox alyssifolia (2002.0057 - AY-B14), Phlox bifida 'Petticoat' (2005.0963 -



RRD), *Phlox douglasii* 'Crackerjack' (1992.0529 - AY-T1), *Phlox douglasii* 'Red Admiral' (2016.0129 - RRF), *Phlox douglasii* 'Tycoon' (1990.0107 - AY-T2), *Phlox kelseyi* 'Rosette' (1998.0248 - AY-B07), *Phlox nivalis* 'Nivea' (1994.0402 - AY-B08; 1995.0402 - AY-B14), *Phlox paniculata* (2006.0281 - M2-F, OB, OB, OB, OB; 2011.0378 - OB, OB, OB; 2006.0281 - OBE), *Phlox paniculata* 'Amethyst' (2007.0162 - OB, OBE), *Phlox paniculata* 'Blue Paradise' (2014.0060 - OB), *Phlox paniculata* 'Elizabeth Campbell' (2000.2323 - OB), *Phlox paniculata* 'Fujiyama' (1996.1351 - OB; 2006.0521 - OB, OB), *Phlox paniculata* 'White Admiral' (2002.0842 - OB, OBE), *Phlox subulata* 'Amazing Grace' (2014.0764 - RRA; 2017.0212 - RRB), *Phlox subulata* 'Bavaria' (2017.0213 - RRB; 2016.0128 - RRD), *Phlox subulata* 'Daniel's Cushion' (2014.0136 - RRA; 2017.0168 - RRB), *Phlox subulata* 'Emerald Cushion' (2017.0169 - RRF), *Phlox subulata* 'Emerald Cushion Blue' (1982.1792 - AY-T1; 2013.1079 - RRA; 1982.1792 - RRB, RRD), *Phlox subulata* 'Exquisite' (XX.003809 - AY-B03), *Phlox subulata* 'Holly' (2013.0533 - RRA; 2001.3549 - RRB), *Phlox subulata* 'McDaniel's Cushion' (1998.0247 - AY-B03, AY-B08; 2015.0129 - RRF), *Phlox subulata* 'Nettleton Silver' (2001.3550 - AY-B14), *Phlox subulata* 'Purple Beauty' (2016.0122 - RRB, RRD; 2017.0181 - RRF), *Phlox subulata* 'Red Wings' (1984.1255 - AY-B03), *Phlox subulata* 'Samson' (2014.0137 - RRA), *Phlox subulata* 'Tamaongalei' (2017.0167 - RRC), *Phlox subulata* 'White Delight' (1982.1743 - AY-B02), *Phlox* 'White Kimono' (2015.0111 - RRF), **Phoenix** *dactylifera* (1964.003987 - PH-a), **Phormium** 'Dazzler' (2012.0148 - T1), *Phormium* 'Surfer' (2003.0715 - P5-d), *Phormium tenax* (2000.3705 - T1), *Phormium tenax* 'Purpureum' (2012.0149 - T1), *Phormium tenax* 'Variegatum' (XX.008259 - T1), **Photinia** *beauverdiana* (1965.008675 - C3-A), *Photinia beauverdiana* var. *notabilis* (1942.008670 - C3-A), *Photinia chinensis* (2002.4019 - ES; 2003.2147 - SL), *Photinia davidiana* (2007.0500 - C3-A; 2007.0501 - C3-A; XX.010470 - CT-south; 1998.1771 - SL), *Photinia davidsoniae* (1995.1298 - SL, SL), *Photinia* × *fraseri* 'Red Robin' (2013.0428 - Fam2), *Photinia serratifolia* (2002.2097 - C3-A, C3-A, SL), *Photinia villosa* (1960.011102 - A2), **Phragmipedium** *bessae* (2004.0684 - OH), *Phragmipedium* Cape Gold Nugget (2000.2888 - OH), *Phragmipedium cleola* (XX.013466 - OH), *Phragmipedium* Eric Young (2017.0773 - OH), *Phragmipedium* × *grande* (XX.013464 - OH), *Phragmipedium* × *grande* var. *atratum* (XX.013465 - OH), *Phragmipedium leuchorrodum* (XX.013463 - OH), *Phragmipedium longifolium* (2004.0683 - OH; XX.013467 - OH), *Phragmipedium longifolium* × *sargentianum* (2004.0682 - OH), *Phragmipedium sargentianum* × *beeseeae* × *Grande* (2006.0126 - OH), *Phragmipedium schroderae* (XX.013471 - OH), *Phragmipedium* × *sedenii* var. *candidulum* (XX.013468 - OH), **Puopsis** *stylosa* (XX.001195 - Fam3), **Phygelius** *aequalis* (1994.1236 - AY-B09; XX.001312 - Fam3), *Phygelius* × *rectus* 'Pink Elf' (1998.0249 - AY-B09), *Phygelius* × *rectus* 'Winchester Fanfare' (1994.0527 - AY-B09), **Phyla** *nodiflora* (XX.003744 - AY-B05, RRJ), **Phyllodoce** *aleutica* (1961.003060 - AY-B04), *Phyllodoce* × *intermedia* (1961.003061 - AY-B04), **Phyllostachys** *aurea* (2013.0280 - T1), *Phyllostachys aureosulcata* (2001.3747 - SL, T1, T1), *Phyllostachys aureosulcata* f. *aureocaulis* (2001.3749 - SL), *Phyllostachys flexuosa* (2001.3746 - SL; XX.007767 - T1), *Phyllostachys nigra* f. *punctata* (2001.3748 - SL), **Physalis** *alkekengi* (2004.1304 - Fam3), *Physalis alkekengi* var. *francheti* (2004.1305 - Fam3), *Physalis minima* (2004.1886 - Fam3), **Physocarpus** *amurensis* (XX.012344 - R6, R6; 2006.3570 - VG), *Physocarpus capitatus* (1972.0869 - VG), *Physocarpus malvaceus* (XX.012345 - R6), **Physosiphon** *tubatus* (2006.0127 - OH), **Phyteuma** *globulariifolium* (1998.0250 - AY-B07), **Phytolacca** *acinosa* (2004.2048 - SL), *Phytolacca clavifera* (1996.0604 - SL), **Picea** *abies* (2006.3054 - P6; 1988.0215 - T2; 2004.0287 - T2; XX.007684 - T2; XX.007685 - T2; XX.007686 - T2), *Picea abies* 'Caerulea' (1947.013836 - P6), *Picea abies* 'Clanbrassiliana Elegans' (XX.013071 - M1; XX.005456 - RRD), *Picea abies* 'Clanbrassiliana Stricta' (XX.010608 - P5; XX.005457 - RRG, RRN), *Picea abies* 'Coerulea' (1969.011311 - RRA), *Picea abies* 'Dumosa' (2004.2490 - RRD; 1922.005458 - RRG), *Picea abies* 'Gregoryana Veitchii' (XX.007687 - T2), *Picea abies* 'Juniperus' (XX.005670 - RRA), *Picea abies* 'Mucronata' (XX.010963 - AY-B12), *Picea abies* 'Nidiformis' (1921.000290 - AY-B12), *Picea abies* 'Pachyphylla' (1970.0698 - RRD), *Picea abies* 'Procumbens' (XX.006833 - RRR, RRR), *Picea abies* 'Pseudo-Maxwellii' (XX.010964 - AY-B12), *Picea abies* 'Pumila' (2006.3211 - RRG; 2006.3212 - RRG), *Picea abies* 'Repens' (XX.009335 - RRD), *Picea abies* 'Tabuliformis' (1966.010966 - AY-B12, AY-B12; 2008.1475 - P4), *Picea abies* 'Virgata' (XX.007690 - T2), *Picea brachytyla* var. *brachytyla* (2006.3055 - P6; 2006.3056 - P6), *Picea koyamae* (XX.007810 - P4), *Picea likiangensis* (XX.013072 - M1; 2006.3008 - P5; XX.005459 - RRJ), *Picea maximowiczii* (XX.013809 - P6), *Picea morrisonicola* (XX.010506 - P5), *Picea obovata* (XX.007811 - P4), *Picea omorika* (XX.005012 - M1; 1928.013084 - P6; XX.013800 - P6; XX.012848 - P7-a; 2006.3447 - T2), *Picea omorika* 'Pendula' (1965.013070 - M1), *Picea pungens* 'Hoopsii' (2017.0028 - M1), *Picea pungens* 'Koster' (2017.0029 - M1), *Picea smithiana* (XX.013822 - P6; XX.013837 - P6; XX.012851 - P7-a), **Pieris** 'Flaming Silver' (2016.0060 - RRM), *Pieris* 'Forest Flame' (2006.1200 - RRM; 2016.0059 - RRN), *Pieris formosa* (XX.014033 - M1-D; XX.014081 - M1-K; XX.014085 - M1-K; XX.014081 - M1-L; 1999.2128 - RRL; 2006.3297 - RRN), *Pieris formosa* var. *forrestii* (1998.0657 - M1-L; 1926.014236 - RRN), *Pieris japonica* (XX.000140 - M1-K; 2006.3242 - RRL), *Pieris japonica* 'Bensai' (1999.2172 - RRO), *Pieris japonica* 'Christmas Cheer' (2006.3243 - RRL), *Pieris japonica* 'Little Heath' (1996.1249 - AY-B04; 2016.0224 - RRM; 2016.0225 - RRM; 1996.1249 - RRO), *Pieris japonica* 'Purity' (2016.0061 - RRN), *Pieris japonica* 'Valley Valentine' (2016.0062 - RRN), *Pieris japonica* 'Variegata' (2006.3244 - RRL; 2006.3245 - RRL; 2003.1149 - RRM), *Pieris taiwanensis* (XX.000142 - RRL), **Pimenta** *racemosa* (XX.

008106 - PH-a), **Pinus armandii** (1909.007840 - P4), *Pinus balfouriana* (XX.013363 - RRG), *Pinus brutia* var. *brutia* (XX.009288 - B3), *Pinus contorta* (1889.007783 - P4), *Pinus halepensis* (XX.013362 - RRG), *Pinus montezumae* var. *montezumae* (XX.006675 - P2), *Pinus mugo* 'Gnom' (2015.0133 - RRC), *Pinus mugo* subsp. *uncinata* (XX.009286 - B3), *Pinus nigra* (XX.013860 - A5N; XX.013862 - A5N; XX.013863 - A5N; XX.010467 - CT-south; XX.006652 - P2; XX.000973 - VG; XX.001005 - VG; XX.001030 - VG), *Pinus nigra* subsp. *laricio* (XX.009942 - A3; XX.006655 - P2; 1888.007780 - P4; XX.007699 - T2; XX.007708 - T2), *Pinus nigra* subsp. *pallasiana* (XX.013074 - M1), *Pinus pinaster* (XX.013880 - A5S; XX.013685 - B1; 1984.1946 - P4), *Pinus pinea* (XX.006695 - P2), *Pinus radiata* (XX.007778 - P4), *Pinus sabiniana* (XX.006654 - P2), *Pinus sylvestris* (XX.010516 - P5; XX.013052 - T1), *Pinus sylvestris* 'Globosa Viridis' (1963.007781 - P4), *Pinus sylvestris* 'Hibernica' (1971.0602 - P4), *Pinus sylvestris* 'Watereii' (2016.0216 - A4), *Pinus tabuliformis* (1963.007814 - P4), *Pinus thunbergii* (XX.007557 - RRG(w)), *Pinus wallichiana* (XX.006628 - P2; XX.007782 - P4; XX.007815 - P4), **Piptanthus nepalensis** (1998.1680 - SL), **Pistacia chinensis** (XX.014007 - CH), *Pistacia terebinthus* (1928.013042 - O1), **Pittosporum bicolor** (XX.004720 - ES; 1998.1667 - NZ-S; XX.005919 - VB-w), *Pittosporum buchananii* (1975.009901 - A3), *Pittosporum coriaceum* (1986.1159 - AY-B01), *Pittosporum illicioides* var. *illicioides* (2000.1693 - SL), *Pittosporum revolutum* (1979.1075 - NZ-S; 2000.3487 - NZ-W), *Pittosporum tenuifolium* (2000.3568 - NZ-S, NZ-S; 2000.3485 - NZ-W, NZ-W; 2006.3571 - VG; XX.001080 - VG), *Pittosporum tenuifolium* 'Garnetii' (2000.3571 - NZ-W), *Pittosporum tenuifolium* 'Golden King' (2000.3573 - NZ-S; 2000.3572 - NZ-W), *Pittosporum tenuifolium* 'John Flanagan' (1985.0071 - NZ-W), *Pittosporum tenuifolium* 'Nuttys Leprechaun' (1990.0161 - NZ-S), *Pittosporum tenuifolium* 'Silver Queen' (2003.0660 - NZ-S; 2000.3575 - NZ-W), *Pittosporum tobira* (2004.1935 - ES; 2000.3484 - NZ-W; 2003.1030 - SL), *Pittosporum viridiflorum* (1998.2060 - NZ-E), **Plagianthus regius** (1990.0198 - A2), **Platanus × hispanica** (1930.007711 - T2; XX.007705 - T2; XX.007707 - T2), *Platanus × hispanica* 'Acerifolia' (XX.009229 - B3), *Platanus × hispanica* 'Suttneri' (XX.007703 - T2), *Platanus orientalis* (XX.007691 - T2; XX.007695 - T2), *Platanus orientalis* var. *digitata* (XX.007678 - T2; XX.007694 - T2; XX.007701 - T2), *Platanus orientalis* var. *insularis* (XX.007696 - T2), **Platycarya strobilacea** (2004.1888 - ES, VG), **Platycerium bifurcatum** (2001.4245 - PH-a), **Platycladus orientalis** 'Athrotaxoides' (1922.006647 - P2), *Platycladus orientalis* 'Flagelliformis' (XX.006633 - P2), **Platycodon grandiflorum** (1983.1235 - AY-B10, RRB), *Platycodon grandiflorum* 'Blue Pygmy' (1996.0505 - AY-B02), **Platystele stenostachya** (2006.0128 - OH), **Platystemon californicus** (2005.0213 - Fam2), **Pleioblastus simonii** (2003.0256 - SL), **Pleurothallis vulcanica** (2004.0685 - OH), **Plumeria rubra** (2004.0557 - PH-c, PH-c, PH-c), **Podocarpus acutifolius** (1998.2024 - RRG(w)), *Podocarpus* 'Havering' (2008.2550 - RRP), *Podocarpus nivalis* (XX.012086 - RRI), *Podocarpus nubigenus* (XX.005474 - AY-B12), *Podocarpus totara* (2006.2421 - M1), *Podocarpus totara* 'Aureus' (2006.2422 - M1), *Podocarpus* 'Young Rusty' (2012.0847 - RRP), **Podophyllum peltatum** (2001.0190 - M2-H), *Podophyllum tsayuensis* (2006.0329 - Fam2), **Pogonia ophioglossoides** (2006.0129 - OH), **Polemonium caeruleum** (1996.1235 - Fam3), *Polemonium caeruleum* subsp. *caeruleum* f. *album* (2004.1310 - Fam3), *Polemonium caeruleum* var. *lacteum* (XX.001267 - Fam3), *Polemonium carneum* (1983.0236 - M2-B), *Polemonium eximium* (2005.0214 - Fam3), *Polemonium foliosissimum* (XX.001265 - Fam3), *Polemonium liniflorum* (1999.0619 - Fam3), *Polemonium yezoense* 'Hidakanum' (2004.1312 - Fam3), **Poliathyrsis sinensis** (1912.000443 - CH), **Polyandrococos caudescens** (XX.004014 - PH-c), **Polygala chamaebuxus** var. *grandiflora* (2013.0816 - Fam1, Fam2), *Polygala myrtifolia* (2016.1044 - Fam2), **Polygonatum curvistylum** (2000.2581 - M2-B; 2001.3764 - SL), *Polygonatum cyrtoneura* (2001.3765 - SL), *Polygonatum falcatum* 'Variegatum' (2000.2334 - M2-B), *Polygonatum multiflorum* (XX.012287 - Fam4, M2-H), *Polygonatum verticillatum* (XX.010808 - Fam4; 2001.3766 - SL), *Polygonatum zanlanenscianense* (2001.1528 - SL), **Polygonum perfoliatum** (2004.1662 - Fam1), **Polystichum setiferum** 'Plumosum Multilobum' (1994.0816 - RRG), *Polystichum tsussimense* (2003.0716 - RRN), **Poncirus trifoliata** (1983.0448 - RRA; 2006.3520 - VB-w), **Populus angulata** 'Erecta' (1925.009831 - A3), *Populus baliveau* 'Roverdeaux Whitebarked' (XX.009820 - A3), *Populus × canadensis* (XX.013904 - A5S), *Populus × canadensis* 'Marilandica' (XX.009830 - A3), *Populus × canadensis* 'Robusta' (XX.009833 - A3; 1889.013887 - A5S), *Populus × canadensis* 'Robusta Erecta' (XX.009835 - A3), *Populus × canadensis* 'Robusta Gaujardii' (1930.009821 - A3), *Populus × canadensis* 'Serotina Erecta' (XX.009826 - A3), *Populus canescens* (XX.009829 - A3), *Populus deltoides* (1944.009848 - A3), *Populus fremontii* (1923.009850 - A3), *Populus laurifolia* (1915.009845 - A3), *Populus nigra* 'Italica' (XX.009930 - A3), *Populus tremula* (XX.009910 - A3), **Porroglossum echidnum** (2006.0130 - OH), **Potentilla atrosanguinea** (2004.1313 - Fam2; 2005.0216 - Fam2), *Potentilla crinita* (XX.000840 - Fam2), *Potentilla fruticosa* (2001.0956 - CT-south), *Potentilla fruticosa* 'Ochroleuca' (XX.004384 - RRD), *Potentilla fruticosa* var. *veitchii* (2004.0036 - RRC), *Potentilla* 'Gloire de Nancy' (2008.0638 - OB, OBE), *Potentilla hippiana* (1988.0645 - RRF), *Potentilla inclinata* (XX.012404 - Fam2), *Potentilla megalantha* (2004.1314 - Fam2; 2000.0878 - RRF), *Potentilla nepalensis* 'Miss Willmott' (2006.1080 - AY-B13), *Potentilla recta* 'Pallida' (2003.1470 - RRD), *Potentilla sundermannii* (1999.3538 - RRC), *Potentilla thuringiaca* (1984.0567 - RRA, RRB, RRD), **Pratia fascicularis** (1994.0393 - AY-B06), *Pratia*

pedunculata 'County Park' (1995.0021 - AY-B08), **Primula allionii** 'Edrom' (1994.1087 - AY-B08), *Primula auriculata* (XX.001237 - Fam3), *Primula bulleyana* (2005.0111 - Fam3), *Primula clusiana* (1994.0591 - AY-B04), *Primula cortusoides* (1998.0292 - AY-T3), *Primula Drumcliffe* (2015.0856 - RRO), *Primula elatior* (2000.0515 - RRA), *Primula florindae* (2005.0089 - Fam3), *Primula* × *forsteri* (1998.0255 - AY-T2), *Primula* × *forsteri* 'Bileckii' (1998.0254 - AY-B08), *Primula* 'Innisfree Pink' (2015.0859 - RRO), *Primula japonica* (2003.0799 - Fam3), *Primula polyneura* (1998.0284 - AY-B08; 2009.1005 - RRN), *Primula pulverulenta* (2005.0090 - Fam3), *Primula rosea* 'Grandiflora' (1999.3077 - AY-B04), *Primula vialii* (1995.0094 - AY-B04), *Primula yuparensis* (1998.0257 - AY-T2), **Prinsepia sinensis** (XX.000459 - CH), *Prinsepia utilis* (1926.009297 - CT-north; 1926.001057 - VG), **Promenaea citrina** (2006.0132 - OH), *Promenaea stapelioides* × *Prolax Harvest Mouse* (2006.0131 - OH), **Prostanthera cuneata** (1996.0557 - AY-B09), **Prosthechea cochleata** (2004.0623 - OH; 2006.0064 - OH), *Prosthechea fausta* (2006.0065 - OH), *Prosthechea neurosa* (2000.3472 - OH), *Prosthechea radiata* (1998.1463 - OH), **Prumnopitys andina** (XX.009251 - B3), **Prunella grandiflora** 'Lilacina' (2003.1153 - RRA), *Prunella grandiflora* 'Loveliness' (2003.1154 - RRC), **Prunus avium** (1982.0865 - C6), *Prunus* × *blireana* 'Nigra Gaujardii' (1927.009208 - G1), *Prunus cerasifera* 'Nigra' (XX.001451 - C6), *Prunus cerasifera* 'Pisardii' (XX.013686 - B1; XX.013687 - B1; XX.001468 - C6), *Prunus cerasifera* 'Roebuck Castle' (XX.013636 - C2-W), *Prunus cerasus* 'Morello' (2006.2320 - EG-wall), *Prunus conradinae* (XX.000422 - CH), *Prunus divaricata* (1978.1776 - C6), *Prunus domestica* 'Denniston's Superb' (2006.2321 - EG-wall), *Prunus domestica* 'Early Transparent Gage' (2006.2322 - EG-wall), *Prunus domestica* 'Purple Pershore' (2006.2323 - EG-wall), *Prunus domestica* 'Victoria' (2006.2324 - EG-wall), *Prunus Fugenzo*' (XX.009647 - OS), *Prunus* 'Hillierii Spire' (1963.001458 - C6), *Prunus* 'Hisakura' (2001.2697 - C6), *Prunus incisa* 'Kojo-no-mai' (2015.0478 - RRF), *Prunus japonica* (2006.1996 - C6), *Prunus* 'Kanzan' (2007.0001 - C6; XX.009636 - OS), *Prunus laurocerasus* (2006.3572 - VG; XX.001070 - VG; XX.001103 - VG), *Prunus laurocerasus* 'Castlewellan' (2008.2290 - T2, T2; XX.009531 - VG), *Prunus laurocerasus* 'Greenpeace' (2004.2375 - T2; 2004.2376 - T2), *Prunus laurocerasus* 'Milky' (2004.2369 - T2, T2; 2004.2370 - T2), *Prunus laurocerasus* 'Otto Luyken' (2004.2366 - T2), *Prunus laurocerasus* RENAULT ACE 'Renlau' (2000.3667 - CP), *Prunus laurocerasus* 'Variegata' (2006.1625 - T2), *Prunus laurocerasus* 'Zabeliana' (1955.001093 - VG), *Prunus maackii* 'Amber Beauty' (2009.0343 - C6), *Prunus* 'Okumiyako' (1990.1082 - C6; XX.010617 - P5), *Prunus padus* 'Watereri' (XX.001462 - C6, C6), *Prunus pendula* 'Pendula Rosea' (1998.1684 - C6; XX.001477 - C6), *Prunus persica* 'Peregrine' (2009.0180 - EG-wall, EG-wall), *Prunus persica* var. *nucipersica* 'Madame Gaillar' (2009.0182 - EG-wall), *Prunus pumila* (XX.004493 - RRF), *Prunus* 'Royal Burgundy' (2011.1740 - C6), *Prunus sargentii* (1912.001463 - C6), *Prunus serrula* (XX.000493 - CH), *Prunus serrula* var. *tibetica* (XX.013688 - B1), *Prunus serrulata* 'Flore Pleno' (1893.001460 - C6), *Prunus serrulata* 'Kokonoye-sakura' (XX.010846 - R5), *Prunus serrulata* 'Mikurama-Gaeshi' (1965.001449 - C6), *Prunus* 'Shirotae' (2012.1997 - C6), *Prunus* 'Snow Goose' (2007.0002 - C6), *Prunus spinosa* (1970.0399 - C6), *Prunus* × *subhirtella* 'Autumnalis' (1962.001475 - C6), *Prunus* 'Tai Haku' (1944.009211 - G1), *Prunus virginiana* (1933.001472 - C6), *Prunus* 'Woodfield Cluster' (1990.0145 - C6), *Prunus* × *yedoensis* (XX.009233 - B3), *Prunus* × *yedoensis* 'Shidare Yoshino' (XX.001470 - C6), **Pseudocydonia sinensis** (2004.1767 - ES), **Pseudotsuga menziesii** (XX.007809 - P4; XX.012857 - P7-c; XX.012859 - P7-c; XX.012861 - P7-c; XX.012862 - P7-c), *Pseudotsuga menziesii* var. *glauca* (1957.012855 - P7-c; XX.012864 - P7-c), **Pseudowintera colorata** (2000.2234 - M1-L; XX.013961 - RRL; XX.013962 - RRL; XX.013964 - RRN), **Psidium dichotomum** (XX.008124 - PH-c), *Psidium salutare* var. *sericeum* (2012.0615 - OH), **Psoralea pinnata** (1998.1670 - AY-B09; 2003.0123 - Fam2), **Ptelea trifoliata** (XX.013981 - P6), *Ptelea trifoliata* subsp. *trifoliata* var. *trifoliata* (XX.003499 - CT-south; 1911.006028 - O2; XX.006030 - O2), **Pteris tremula** (1997.0876 - PH-a), **Pterocarya fraxinifolia** (XX.013731 - A4), *Pterocarya fraxinifolia* 'Heerenplein' (2017.0025 - A4), *Pterocarya hupehensis* (XX.013730 - A4), *Pterocarya* × *rehderiana* (XX.013734 - A4; XX.013735 - A4), *Pterocarya tankensis* (XX.013733 - A4), **Pterocephalus parnassi** (2000.1207 - RRA), **Pterostylis bisetta** (2006.0134 - OH), *Pterostylis curta* (2006.0135 - OH; 2006.0136 - OH), *Pterostylis ingens* (2006.0133 - OH), **Pterostyrax corymbosa** (2003.0565 - CT-south), *Pterostyrax hispida* (2002.2251 - SL), **Ptilotrichum macrocarpum** (1998.1144 - Fam2), *Ptilotrichum spinosum* (2001.2815 - RRA), **Ptychosperma elegans** (XX.003962 - PH-a), *Ptychosperma gracile* (2004.0005 - PH-a), **Pueraria lobata** (2004.1321 - Fam2), **Pulmonaria angustifolia** (XX.008251 - OB), *Pulmonaria* 'Blue Ensign' (2017.0182 - RRM), *Pulmonaria* 'Lewis Palmer' (2003.1055 - RRH), *Pulmonaria longifolia* (1986.1054 - Fam3), *Pulmonaria mollis* (2004.0959 - M2-B), *Pulmonaria rubra* 'Barfield Pink' (2000.3799 - AB, OB), *Pulmonaria* 'Trevi Fountain' (2017.0183 - RRM), **Pulsatilla albana** (2001.0817 - RRP), *Pulsatilla* × *gayeri* (1975.1625 - AY-B06), *Pulsatilla halleri* subsp. *styriaca* (2000.1074 - RRP), *Pulsatilla koreana* (1996.0606 - AY-B05), *Pulsatilla patens* var. *multifida* (1998.0258 - AY-T2), *Pulsatilla vulgaris* (2000.0536 - RRP), *Pulsatilla vulgaris* 'Papageno' (2002.1085 - RRP), *Pulsatilla vulgaris* 'Weisse Schwan' (2016.0297 - RRG(w)), **Puschkinia scilloides** (2000.1640 - Fam4), **Pycnanthemum virginianum** (1999.2924 - RRD), **Pyracantha angustifolia** (2006.1710 - A3; XX.010658 - AB), *Pyracantha atalantoides* (XX.009878 - A3, A3; 1914.000940 - VG), *Pyracantha coccinea* (2006.1712 - A3), *Pyracantha coccinea* 'Kasan' (XX.



009892 - A3; 1960.010296 - WS), *Pyracantha coccinea* 'Lalandei' (XX.009167 - A3; XX.010309 - WS), *Pyracantha crenulata* (XX.001047 - VG), *Pyracantha koidzumii* (XX.009166 - A3; XX.001149 - VG), *Pyracantha* 'Mohave' (1973.1115 - VG, WS), *Pyracantha rogersiana* (XX.009891 - A3; XX.000434 - CH; 1916.010286 - WS), *Pyracantha rogersiana* f. *flava* (XX.009888 - A3, A3), *Pyracantha* SAPHYR JAUNE 'Cadaune' (2002.0347 - VB-w), *Pyracantha* SAPHYR ORANGE 'Cadange' (2002.0346 - VB-w), *Pyracantha* SAPHYR ROUGE 'Cadrou' (2002.0348 - VB-w), *Pyracantha* 'Taliensis' (1928.009881 - A3), **Pyrethrum roseum** (2004.1322 - Fam3), **Pyrus assuriensis** (1996.1212 - A3), *Pyrus* 'Beurre Hardy' (2006.2332 - EG-wall), *Pyrus calleryana* (XX.000500 - CH), *Pyrus calleryana* 'Chanticleer' (2012.1998 - A3), *Pyrus communis* 'Beth' (2015.0081 - EG-wall), *Pyrus communis* 'Clapp's Favourite' (2015.0082 - EG-wall), *Pyrus communis* 'Concorde' (2015.0080 - EG-wall), *Pyrus* 'Conference' (2006.2335 - EG-wall), *Pyrus* 'Doyenné du Comice' (2006.2336 - EG-wall), *Pyrus* 'Kieffer' (1926.010888 - A3), *Pyrus* 'Marie-Louise d'Uccle' (2006.2337 - EG-wall), *Pyrus* 'Olivier de Serres' (2006.2338 - EG-wall), *Pyrus pallescens* (XX.000963 - VG), *Pyrus pashia* (1909.001044 - VG), *Pyrus* 'Pitmaston Duchess' (2006.2339 - EG-wall; 2006.2340 - EG-wall; 2006.2341 - EG-wall), *Pyrus* 'Reliance' (2006.2342 - EG-wall), *Pyrus* 'Williams' Bon Chrétien' (2006.2343 - EG-wall).

**Quercus alba** (XX.006072 - O2), *Quercus alba* f. *repanda* (1932.006036 - O2), *Quercus aliena* (1932.006034 - O2), *Quercus baronii* (1930.006037 - O2), *Quercus canariensis* (1915.006065 - O2; XX.006001 - O2), *Quercus castaneifolia* (1914.006008 - O2; 1932.006060 - O2), *Quercus cerris* (1901.006003 - O2), *Quercus cerris* f. *laciniata* (XX.006062 - O2), *Quercus cerris* 'Karlhuensis' (1908.003770 - O1), *Quercus cerris* 'Variegata' (1888.004097 - O1), *Quercus coccifera* (1930.013940 - B3; 1930.003413 - O1), *Quercus coccifera* var. *palaestina* (1923.009243 - B3), *Quercus dalechampii* (1910.006009 - O2), *Quercus faginea* (XX.004109 - O1), *Quercus falcata* (XX.006066 - O2), *Quercus fragrans* (1907.004078 - O1), *Quercus garryana* (XX.004096 - O1), *Quercus* × *hastingsii* (1930.006031 - O2), *Quercus* × *hispanica* 'Crispa' (1908.006050 - O2), *Quercus* × *hispanica* 'Lakesii' (XX.009258 - B3), *Quercus* × *hispanica* 'Lucombeana' (XX.004095 - O1; XX.004099 - O1), *Quercus hypoleucoides* (XX.013939 - B3), *Quercus ilex* (1888.009259 - B3; 1904.009238 - B3), *Quercus ilex* var. *ballota* (1930.006074 - O2), *Quercus infectoria* (XX.009245 - B3; 1935.006042 - O2), *Quercus* × *kewensis* (1935.006017 - O2), *Quercus libani* (1904.004100 - O1), *Quercus macranthera* (1917.006011 - O2), *Quercus macrocarpa* (XX.006035 - O2), *Quercus macrocarpa* 'Albertii' (1932.006043 - O2), *Quercus macrolepis* (1921.006058 - O2), *Quercus monticola* 'Caroliniana' (2006.2969 - O2), *Quercus petraea* (XX.003781 - O1; XX.006038 - O2), *Quercus petraea* 'Laciniata' (1935.006059 - O2), *Quercus petraea* 'Mespilifolia' (XX.006061 - O2), *Quercus phellos* (1885.006071 - O2), *Quercus phillyreoides* (XX.009239 - B3; 1904.006044 - O2), *Quercus pontica* (1911.006004 - O2), *Quercus pubescens* (1930.006046 - O2), *Quercus pyrenaica* (1903.006069 - O2), *Quercus robur* (1912.004098 - O1; XX.003780 - O1; 1888.006054 - O2; 1917.006067 - O2; 1996.0040 - O2; XX.006006 - O2; XX.006053 - O2), *Quercus robur* 'Crispa' (XX.006040 - O2), *Quercus robur* f. *fastigiata* (XX.003769 - O1; 2006.1564 - O2), *Quercus robur* 'Heterophylla' (XX.006007 - O2), *Quercus robur* 'Tardissima' (1919.006068 - O2), *Quercus robur* var. *thomasii* (1921.006051 - O2), *Quercus rubra* (1917.003474 - O1; 2006.2967 - O1; 1933.006057 - O2; 2010.0133 - P5), *Quercus* × *runcinata* (1932.006039 - O2; 1932.006041 - O2), *Quercus* × *serratifolia* (1894.006013 - O2), *Quercus stellata* (1933.006016 - O2), *Quercus suber* (XX.006078 - O2), *Quercus texana* (1910.006002 - O2), *Quercus trojana* (1906.004101 - O1), *Quercus* × *turneri* (XX.004102 - O1), *Quercus* × *turneri* 'Pseudoturneri' (XX.009240 - B3; XX.009256 - B3), *Quercus* × *turneri* 'Spencer Turner' (XX.004104 - O1), *Quercus* × *warburgii* (XX.009241 - B3).

**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.