

Additional file 1

Plant species whose methylomes have been analyzed by whole-genome bisulfite sequencing (WGBS-seq) or high-performance liquid chromatography (HPLC)

| Species | Family | WGBS-seq | HPLC | Species | Family | WGBS-seq | HPLC |
|--------------------------------|------------------|----------|------|-----------------------------------|------------------|----------|------|
| <i>Amborella trichopoda</i> | Amborellaceae | Genome | | <i>Medicago truncatula</i> | Fabaceae | Genome | |
| <i>Aquilegia nevadensis</i> | Ranunculaceae | | X | <i>Metroxylon sagu</i> | Arecaceae | | X |
| <i>Aquilegia vulgaris</i> | Ranunculaceae | | X | <i>Mimulus guttatus</i> | Phrymaceae | Genome | |
| <i>Arabidopsis lyrata</i> | Brassicaceae | Genome | | <i>Myrtus communis</i> | Myrtaceae | | X |
| <i>Arabidopsis thaliana</i> | Brassicaceae | Genome | X | <i>Narcissus bugei</i> | Amaryllidaceae | | X |
| <i>Aristolochia fimbriata</i> | Aristolochiaceae | EST | | <i>Narcissus longispathus</i> | Amaryllidaceae | | X |
| <i>Asplenium nidus</i> | Aspleniaceae | RNA-seq | | <i>Narcissus nevadensis</i> | Amaryllidaceae | | X |
| <i>Beta vulgaris</i> | Chenopodiaceae | Genome | | <i>Nicotiana tabacum</i> | Solanaceae | | X |
| <i>Brachypodium distachyon</i> | Poaceae | Genome | | <i>Nuphar advena</i> | Nymphaeaceae | EST | |
| <i>Brassica napus</i> | Brassicaceae | | X | <i>Olea europaea</i> | Oleaceae | | X |
| <i>Brassica oleracea</i> | Brassicaceae | Genome | X | <i>Oryza sativa</i> | Poaceae | Genome | X |
| <i>Brassica rapa</i> | Brassicaceae | Genome | | <i>Panicum hallii</i> | Poaceae | Genome | |
| <i>Cannabis sativa</i> | Cannabaceae | Genome | | <i>Panicum virgatum</i> | Poaceae | Genome | X |
| <i>Capsella rubella</i> | Brassicaceae | Genome | | <i>Pennisetum glaucum</i> | Poaceae | | X |
| <i>Cichorium intybus</i> | Asteraceae | | X | <i>Phillyrea latifolia</i> | Oleaceae | | X |
| <i>Citrus clementina</i> | Rutaceae | Genome | | <i>Physcomitrella patens</i> | Funariaceae | Genome | |
| <i>Crocus sativus</i> | Iridaceae | Genome | | <i>Picea glauca</i> | Pinaceae | RNA-seq | |
| <i>Cycas rumphii</i> | Cycadaceae | EST | | <i>Pinguicula vulgaris</i> | Lentibulariaceae | Genome | |
| <i>Cymbidium pumilum</i> | Orchidaceae | | X | <i>Pinus taeda</i> | Pinaceae | Genome | |
| <i>Daphne blagayana</i> | Thymelaeaceae | | X | <i>Pisum sativum</i> | Fabaceae | | X |
| <i>Daphne laureola</i> | Thymelaeaceae | | X | <i>Populus trichocarpa</i> | Salicaceae | Genome | |
| <i>Daphne mezereum</i> | Thymelaeaceae | | X | <i>Primula vulgaris</i> | Primulaceae | | X |
| <i>Echinochloa frumentacea</i> | Poaceae | | X | <i>Prunus persica</i> | Rosaceae | Genome | |
| <i>Elaeis guineensis</i> | Arecaceae | | X | <i>Pteridium aquilinum</i> | Dennstaedtiaceae | RNA-seq | |
| <i>Eleusine coracana</i> | Poaceae | | X | <i>Pyrus communis</i> | Rosaceae | | X |
| <i>Erodium cazorlanum</i> | Geraniaceae | | X | <i>Quercus ilex</i> | Fagaceae | | X |
| <i>Eucalyptus grandis</i> | Myrtaceae | Genome | | <i>Quercus suber</i> | Fagaceae | | X |
| <i>Eutrema salsugineum</i> | Brassicaceae | Genome | | <i>Rhinanthus minor</i> | Orobanchaceae | | X |
| <i>Fragaria vesca</i> | Rosaceae | Genome | | <i>Ricinus communis</i> | Euphorbiaceae | Genome | |
| <i>Gentiana pannonica</i> | Gentianaceae | | X | <i>Rosmarinus officinalis</i> | Lamiaceae | | X |
| <i>Glycine max</i> | Fabaceae | Genome | | <i>Secale cereale</i> | Poaceae | | X |
| <i>Gossypium hirsutum</i> | Malvaceae | | X | <i>Selaginella moellendorffii</i> | Selaginellaceae | Genome | |
| <i>Gossypium raimondii</i> | Malvaceae | Genome | | <i>Setaria italica</i> | Poaceae | | X |
| <i>Helianthus annuus</i> | Asteraceae | | X | <i>Setaria viridis</i> | Poaceae | Genome | |
| <i>Helleborus foetidus</i> | Ranunculaceae | | X | <i>Sinapis alba</i> | Brassicaceae | | X |
| <i>Helleborus lividus</i> | Ranunculaceae | | X | <i>Solanum lycopersicum</i> | Solanaceae | Genome | X |
| <i>Ilex aquifolium</i> | Aquifoliaceae | | X | <i>Solanum tuberosum</i> | Solanaceae | | X |
| <i>Lavandula latifolia</i> | Lamiaceae | | X | <i>Sorghum bicolor</i> | Poaceae | Genome | X |
| <i>Lepidium sativum</i> | Brassicaceae | | X | <i>Stellaria longipes</i> | Caryophyllaceae | | X |
| <i>Linum usitatissimum</i> | Linaceae | | X | <i>Theobroma cacao</i> | Malvaceae | Genome | |
| <i>Liriodendron tulipifera</i> | Magnoliaceae | EST | | <i>Triticum aestivum</i> | Poaceae | | X |
| <i>Lobularia maritima</i> | Brassicaceae | | X | <i>Vicia faba</i> | Fabaceae | | X |
| <i>Lotus japonicus</i> | Fabaceae | Genome | | <i>Viola cazorlensis</i> | Violaceae | | X |
| <i>Malus domestica</i> | Rosaceae | Genome | | <i>Viscum album</i> | Viscaceae | | X |
| <i>Manihot esculenta</i> | Euphorbiaceae | Genome | | <i>Vitis vinifera</i> | Vitaceae | Genome | |
| <i>Marchantia polymorpha</i> | Marchantiaceae | RNA-seq | | <i>Zea mays</i> | Poaceae | Genome | X |

Abbreviation: EST, expressed sequence tags