OG\_100006\_115\_before Eudicots\_VIT\_20950002g05410.2 OG\_100006\_115\_after Eudicots\_VIT\_209s0002g05530.1 Eudicots\_VIT\_209s0002g05410.2 -Eudicots\_VIT\_209s0002g05560.1 Eudicots\_VIT\_209s0002g05590.1 Eudicots\_VIT\_209s0002g05570.1 Eudicots\_VIT\_209s0002g05560.1 Eudicots\_VIT\_209s0002g05590.1 Eudicots\_VIT\_209s0002g05490.1 Eudicots\_VIT\_209s0002g05570.1 Eudicots\_VIT\_209s0002g05490.1 Eudicots\_VIT\_209s0002g05360.1 Eudicots\_VIT\_209s0002g05400.1 Eudicots\_VIT\_209s0002g05600.1 Eudicots\_VIT\_209s0002g05360.1 —Eudicots\_VIT\_209s0002g05600.1 \_Asterids\_Solyc05g053600.3.1 -Asterids\_Solyc05g053570.4.1 \_Asterids\_Solyc05g053590.4.1 \_Asterids\_Solyc05g053600.3.1 -Asterids\_Solyc05g053570.4.1 -Asterids\_Solyc05g053610.2.1 -Asterids\_Solyc05g053590.4.1 -Asterids\_Solyc09g091670.3.1 -Asterids\_Solyc05g053610.2.1 -Asterids\_Solyc09g091660.3.1 \_Asterids\_Solyc12g100180.2.1 -Asterids\_Solyc09g091670.3.1 Asterids\_Solyc09g091660.3.1 -Asterids\_Solyc12g100190.2.1 Asterids\_Solyc12g098210.3.1 -Asterids\_Solyc12g100180.2.1  $_{ extsf{F}}$ Fabids $_{ extsf{G}}$ Glyma.13G361900.1Asterids Solyc12g100190.2.1 -Fabids\_Glyma.15G011900.1 -Asterids\_Solyc12g098210.3.1 -Fabids\_Glyma.19G169200.5  $\vdash$  Fabids\_Glyma.15G012000.1 -Fabids\_Glyma.03G168200.1 -Fabids\_Glyma.07G033500.1 -Fabids\_Glyma.15G011800.1 -Fabids\_Glyma.03G168101.2 -Fabids\_Glyma.03G168000.1 -Malvids\_AT1G15520.1 -Fabids\_Glyma.19G169400.1 -Fabids\_Glyma.19G169200.5  $_{\Gamma}$ Fabids $_{\square}$ Glyma.13G361900.1 -Fabids\_Glyma.03G168200.1 LFabids\_Glyma.15G011900.1 -Fabids\_Glyma.03G168101.2 Fabids\_Glyma.15G012000.1 -Fabids\_Glyma.03G168000.1 -Fabids\_Glyma.19G169400.1 -Fabids\_Glyma.07G033500.1 Fabids\_Glyma.15G011800.1  $_{ extsf{ iny Fabids\_Glyma.14G127800.1}}$ -Fabids\_Glyma.17G206300.1  $_{ extsf{ iny Fabids\_Glyma.14G127800.1}}$ Fabids\_Glyma.17G206300.1 -Fabids\_Glyma.17G206100.2 Fabids\_Glyma.06G071800.1 –Fabids\_Glyma.17G206100.2 Fabids\_Glyma.06G071800.1 Fabids\_Glyma.04G069800.1 -Eudicots\_VIT\_204s0008g04790.1 -Eudicots\_VIT\_204s0008g04820.1 -Fabids\_Glyma.04G069800.1 Eudicots\_VIT\_204s0008g04790.1 -Eudicots\_VIT\_204s0008g04820.1 \_Asterids\_Solyc08g067620.2.1 \_Asterids\_Solyc08g067610.3.1 \_Asterids\_Solyc08g067620.2.1 -Asterids\_Solyc08g067610.3.1 -Eudicots\_VIT\_211s0016g04590.1 -Malvids\_AT3G30842.1 Basal-Magnoliophyta \_AMTR\_s00068p00162220 -Basal-Magnoliophyta \_AMTR\_s00068p00162220 Basal-Magnoliophyta \_AMTR\_s00013p00097650 Basal-Magnoliophyta \_AMTR\_s00013p00097650 Basal-Magnoliophyta \_AMTR\_s00122p00119310 -Basal-Magnoliophyta \_AMTR\_s00122p00117310 Basal-Magnoliophyta \_AMTR\_s00122p00119310 Basal-Magnoliophyta \_AMTR\_s00122p00117310 -Monocots\_Os01t0609200-00 Monocots\_Os01t0609200-00 \_Monocots\_Os01t0609000-00 *└Monocots\_Os01t0609000-00* -Monocots\_Os01t0609300-01 -Monocots\_Os01t0609300-01 -Monocots\_Os01t0609900-02 -Monocots\_Os01t0609900-02 Fabids\_Glyma.05G011900.1 Fabids\_Glyma.05G011900.1 Fabids\_Glyma.17G120100.1 Fabids\_Glyma.17G120100.1 -Malvids AT2G26910.1 -Malvids\_AT2G26910.1 -Asterids\_Solyc05g018510.3.1 -Asterids\_Solyc05g018510.3.1 -Eudicots\_VIT\_211s0016g04540.1 -Eudicots\_VIT\_211s0016g04540. -Asterids\_Solyc06g065670.4.1 -Asterids\_Solyc06g065670.4.1 -Eudicots\_VIT\_204s0008g04230.1 -Monocots\_Os01t0177900-01 -Monocots\_Os01t0177900-01 -Basal-Magnoliophyta \_AMTR\_s00122p00085720 Basal-Magnoliophyta \_AMTR\_s00122p00085720 -Asterids\_Solyc11g007280.3.1 -Asterids\_Solyc11g007280.3.1 -Asterids\_Solyc11g007290.1.1 -Asterids\_Solyc11g007290.1.1 -Asterids\_Solyc05g055330.3.1 -Asterids\_Solyc05g055330.3.1 -Asterids\_Solyc11g007300.2.1 Asterids\_Solyc11g007300.2.1 Fabids\_Glyma.10G203000.3  $_{\Gamma}$ Fabids $\_$ Glyma.10G203000.3 Fabids\_Glyma.20G187400.1 Fabids\_Glyma.20G187400.1 Fabids\_Glyma.02G159900.1 -Fabids\_Glyma.02G159900.1 Eudicots\_VIT\_213s0074g00660.2 Eudicots\_VIT\_213s0074g00680.1 Eudicots\_VIT\_206s0080g00040.1 -Eudicots\_VIT\_206s0061g01470.1 -Eudicots\_VIT\_206s0061g01470.1 Eudicots\_VIT\_206s0061g01480.1 -Eudicots\_VIT\_206s0061g01490.1 -Eudicots\_VIT\_206s0061g01480.1 Asterids\_Solyc11g067000.3.1 -Asterids\_Solyc11g067000.3.1 -Fabids\_Glyma.03G192600.2 -Fabids\_Glyma.03G192600.2 -Fabids\_Glyma.03G192700.2 -Fabids\_Glyma.03G192700.2 -Fabids\_Glyma.19G192900.1 -Fabids\_Glyma.19G192900.1 -Malvids\_AT1G66950.1 -Malvids\_AT1G66950.1 -Malvids\_AT2G36380.1 -Malvids\_AT2G36380.1 -- Monocots\_Os07t0522500-01 -Monocots\_Os07t0522500-01 Basal-Magnoliophyta \_AMTR\_s00040p00185210 Basal-Magnoliophyta \_AMTR\_s00040p00185210 Monocots\_Os08t0544400-02 Monocots\_Os08t0544400-02 -Monocots\_Os08t0544400-03 -Monocots\_Os08t0544400-03 Monocots\_Os08t0544400-01 Monocots\_Os08t0544400-01 Basal-Magnoliophyta \_AMTR\_s00069p00191700 Basal-Magnoliophyta \_AMTR\_s00069p00191700 Fabids\_Glyma.07G015800.1 Fabids\_Glyma.07G015800.1 Fabids\_Glyma.08G201300.4 Fabids\_Glyma.08G201300.4 Fabids\_Glyma.15G019200.7 Fabids\_Glyma.15G019200.7 Fabids\_Glyma.13G355000.3 Fabids\_Glyma.13G355000.3 -Malvids AT1G59870.1 -Malvids\_AT1G59870.1 -Malvids AT1G15210.1 -Malvids\_AT1G15210.1 -Malvids\_AT3G16340.1 -Malvids\_AT3G16340.1 -Asterids\_Solyc03g120980.3.1 -Asterids\_Solyc03g120980.3.1 -Eudicots\_VIT\_209s0002g03640.6 -Eudicots\_VIT\_209s0002g03630.1 -Basal-Magnoliophyta \_AMTR\_s00056p00117010 Basal-Magnoliophyta \_AMTR\_s00056p00117010 Monocots\_Os06t0554800-01 Monocots\_Os06t0554800-01 -Malvids\_AT3G53480.1 -Malvids\_AT3G53480.1 -Malvids\_AT2G37280.3 -Malvids\_AT2G37280.3 -Asterids\_Solyc01g101070.3.1 -Asterids\_Solyc01g101070.3.1 -Fabids\_Glyma.17G039300.2 -Fabids\_Glyma.17G039300.2 Fabids\_Glyma.17G039200.1 Fabids\_Glyma.17G039200.1 Fabids\_Glyma.07G233900.1 Fabids\_Glyma.07G233900.1 -Basal-Magnoliophyta \_AMTR\_s00039p00225530 -Basal-Magnoliophyta \_AMTR\_s00039p00225530 -Basal-Magnoliophyta \_AMTR\_s00039p00224920 Basal-Magnoliophyta \_AMTR\_s00039p00224920 -Asterids Solyc02q081870.4.1 -Asterids\_Solyc02g081870.4.1 -Asterids\_Solyc06g076930.2.1 -Asterids\_Solyc06g076930.2.1 Fabids\_Glyma.14G193300.1 -Fabids\_Glyma.14G193300.1 -Fabids\_Glyma.18G063400.3 -Fabids\_Glyma.18G063400.3 -Malvids\_AT2G29940.1 -Malvids\_AT2G29940.1 Basal-Magnoliophyta \_AMTR\_s00029p00242220 Basal-Magnoliophyta \_AMTR\_s00029p00242220 -Basal-Magnoliophyta \_AMTR\_s00012p00224800 —Basal-Magnoliophyta \_AMTR\_s00012p00224800 -Basal-Magnoliophyta \_AMTR\_s00088p00030260 -Basal-Magnoliophyta \_AMTR\_s00088p00030260 0.245386 0.245386