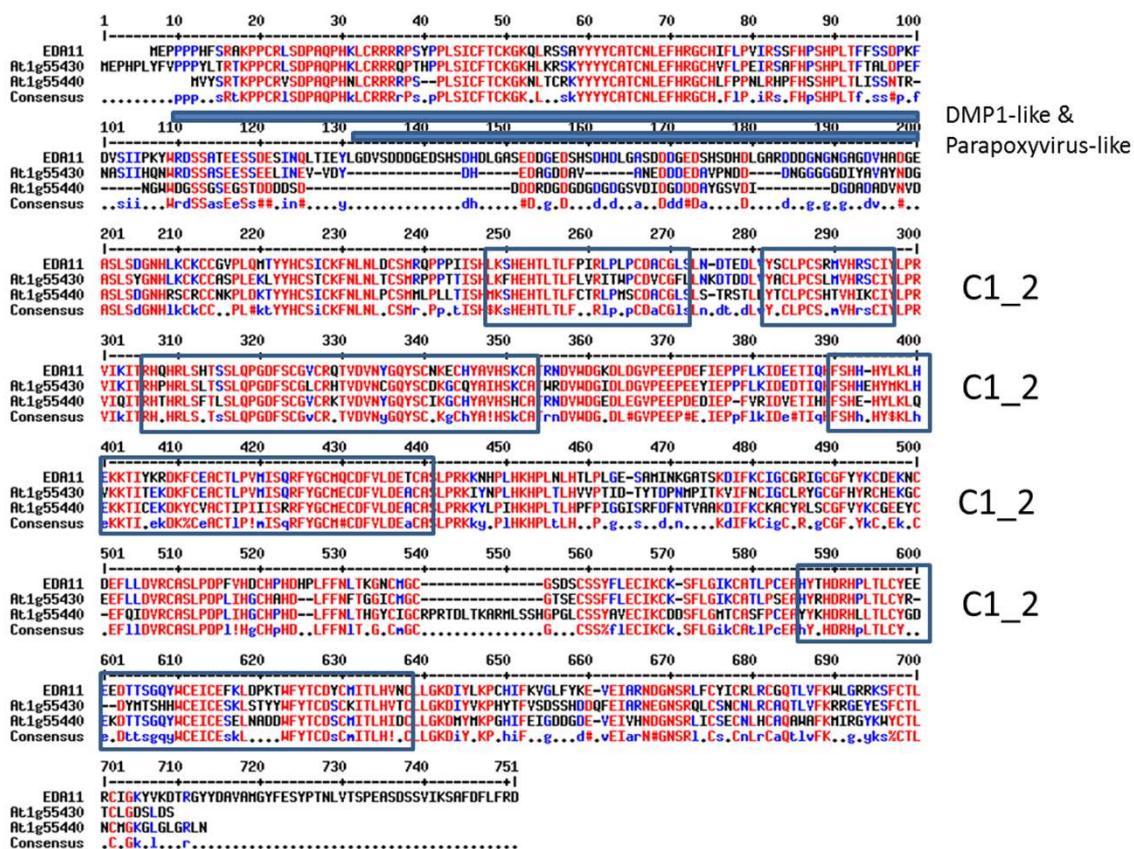
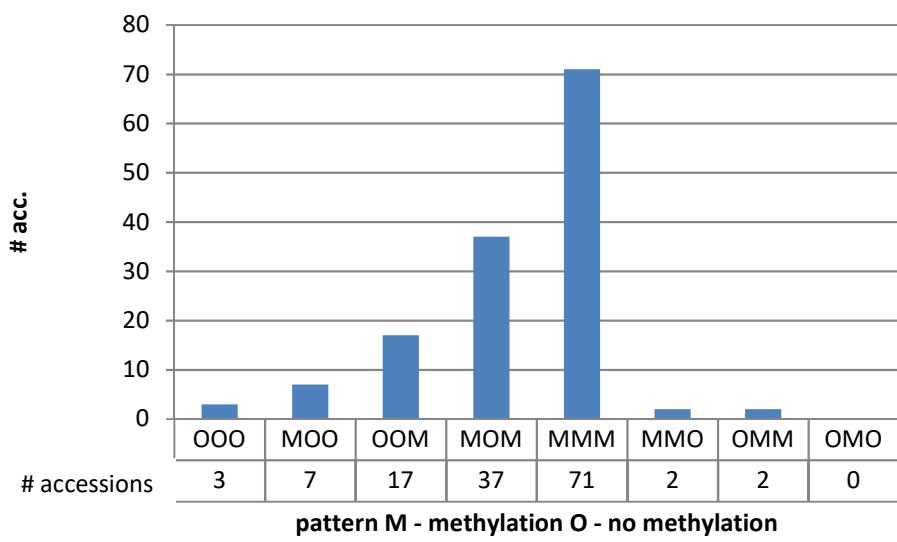
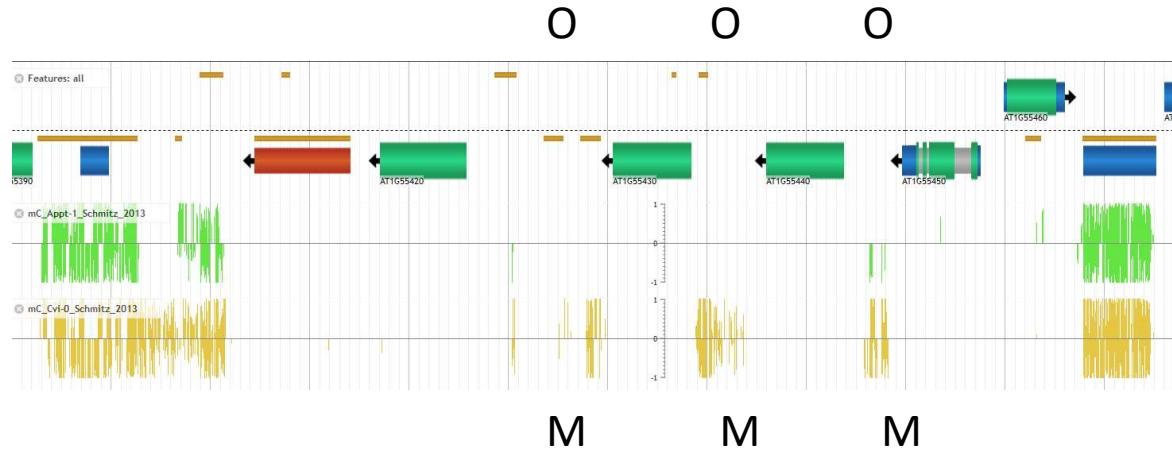


Suppl. Figure 1



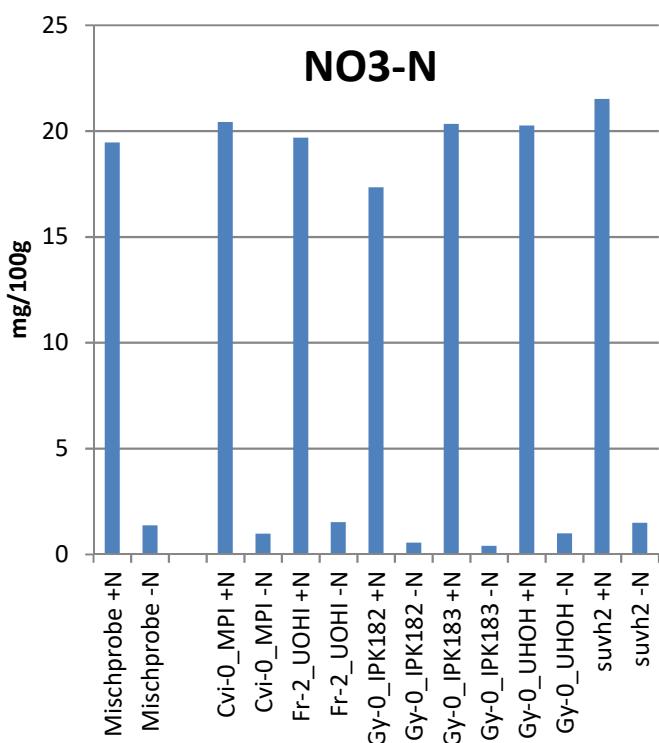
Suppl. Figure 2

Methylation pattern in analyzed accessions

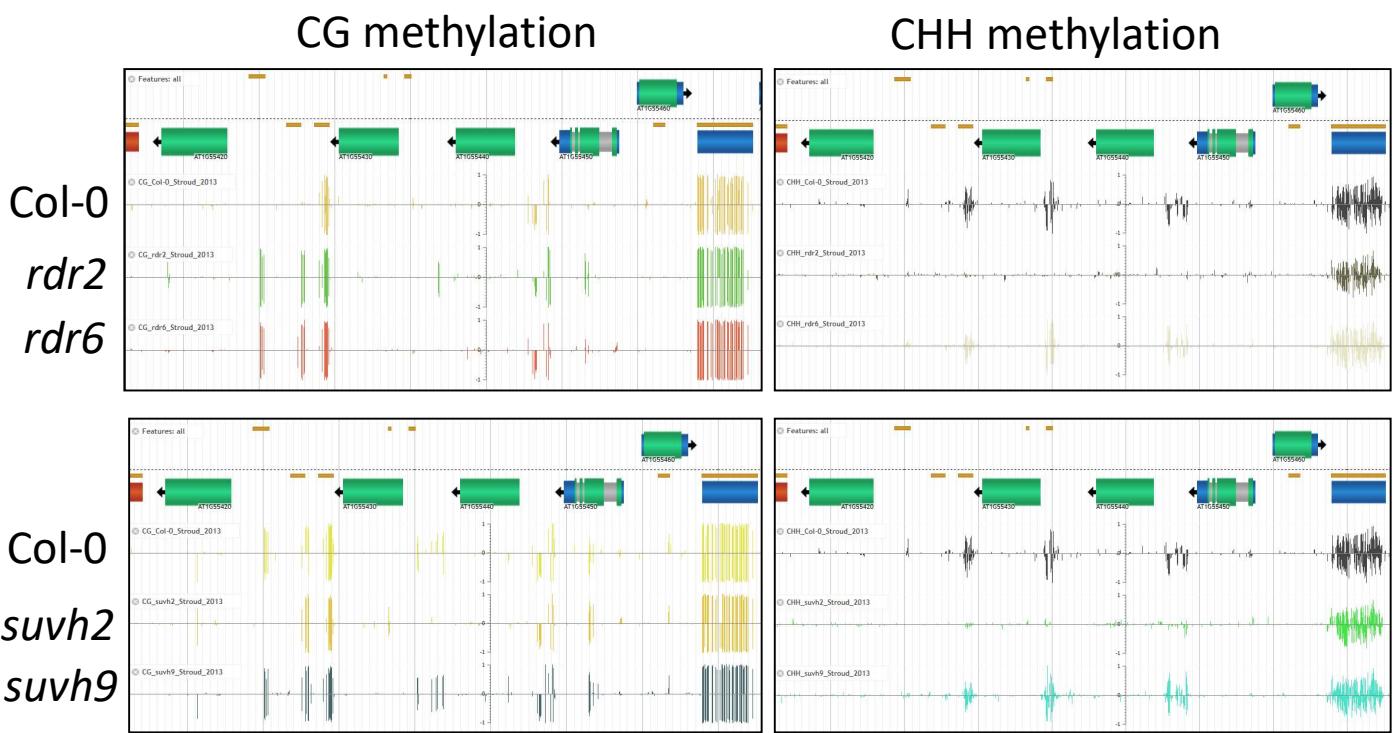


Appt-1 En-D EI-0 Ak-1
 Col-0
 Sorbo Hs-0
 Tamm-2

Suppl. Figure 3



Suppl. Figure 4



Data from CoGe Database (Lyons & Freeling, 2008) extracted from Stroud et al., 2013
 Displayed are data for *rdr2*-2, *rdr6*-15, *suvh2* (SALK_079574) and *suvh9* (SALK_048033)

Suppl. Figure 5

CoI-0

Appt_Pro230_for

Appt_Pro230_f

Start

Consensus

1 10 20 30 40 50 60 70 80 90 100 110 120 130

131 140 150 160 170 180 190 200 210 220 230 240 250 260

261 270 280 290 300 310 320 330 340 350 360 370 380 390

391 400 410 420 430 440 450 460 470 480 490 500 510 520

521 530 540 550 560 570 580 590 600 610 620 630 640 650

651 660 670 680 690 700 710 720 730 740 750 760 770 780

781 790 800 810 820 830 840 850 860 870 880 890 900 910

911 920 930 940 950 954

CoI-0

Appt_Pro230_for

Appt_Pro230_f

Start

Consensus

TG-----TGCCACCTCC

TG-----TGCCACCTCC

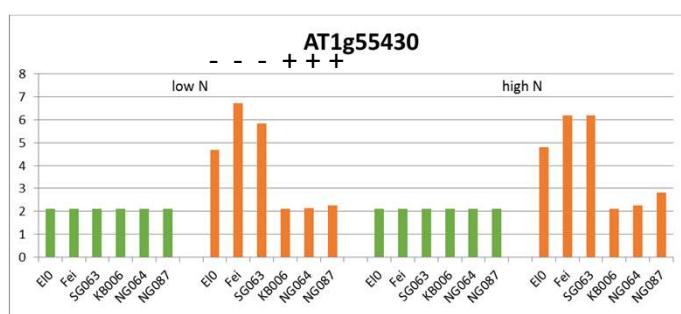
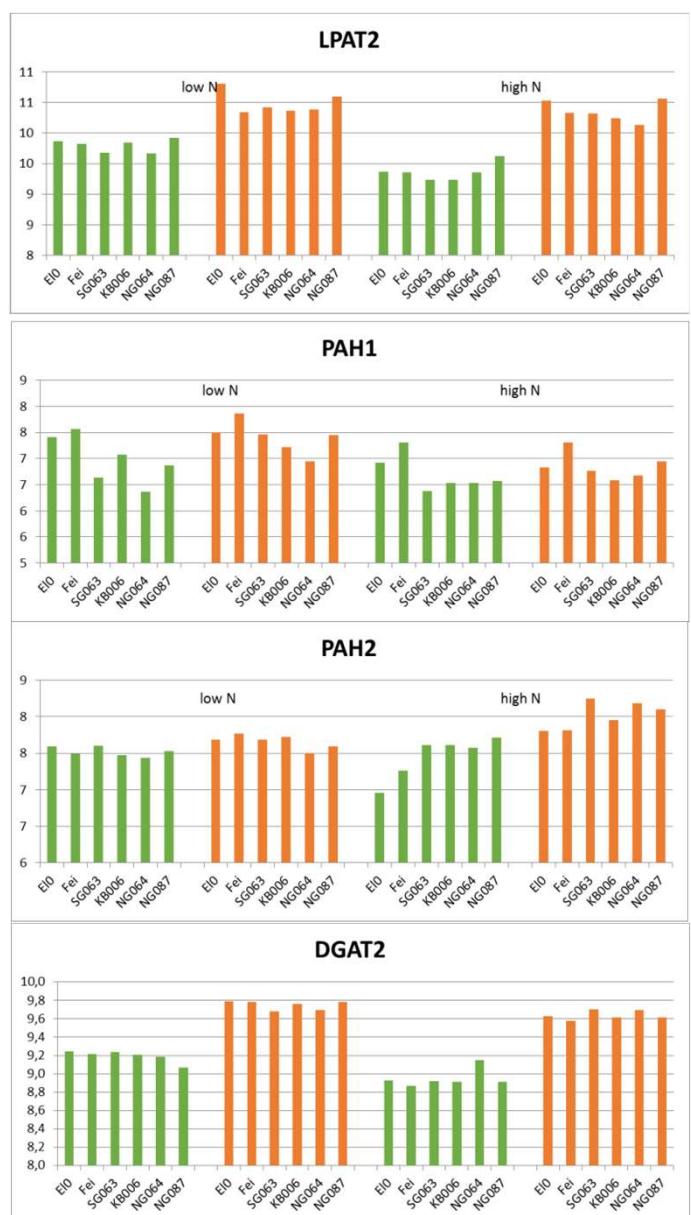
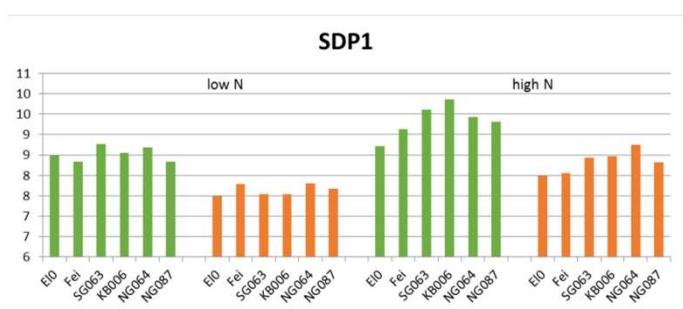
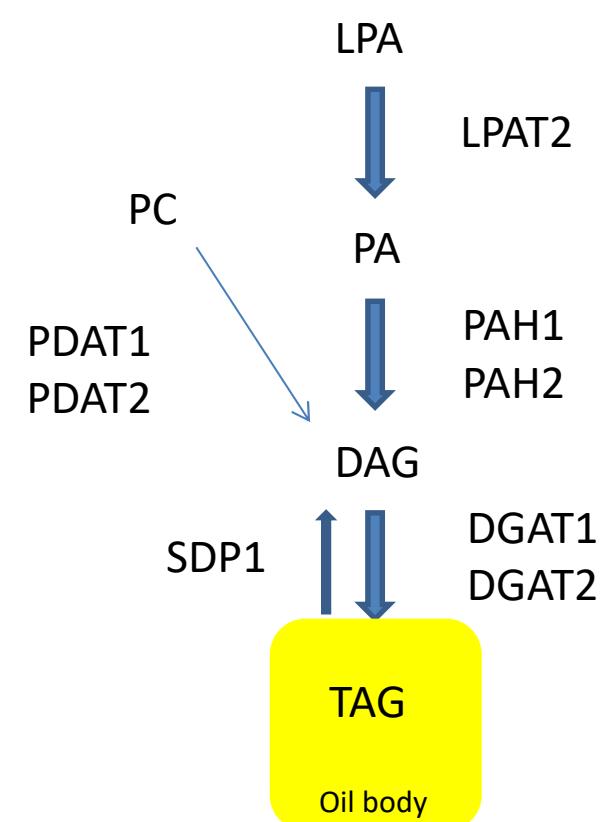
tg.....tgccacctcc.....

Ins/Del

Ins/Del

Ins/Del

Suppl. Figure 6



Suppl. Figure 6:

Gene expression related to triacylglycerol synthesis. Under nitrogen deficiency the transcription of genes involved in synthesis of DAG/TAG (LPAT, PAH and DGAT) is enhanced and katabolic SDP1 reduced. Also here based on AT1G4430 transcription level inferior (-) and superior (+) performing lines can be separated. Depicted is the mean of normalized signal intensity of three independent biological replicates. Green: shoot tissue, orange: root tissue under low (0.02 mM N) and high (9 mM N) Harvested from agar plate (Meyer et al., 2019)