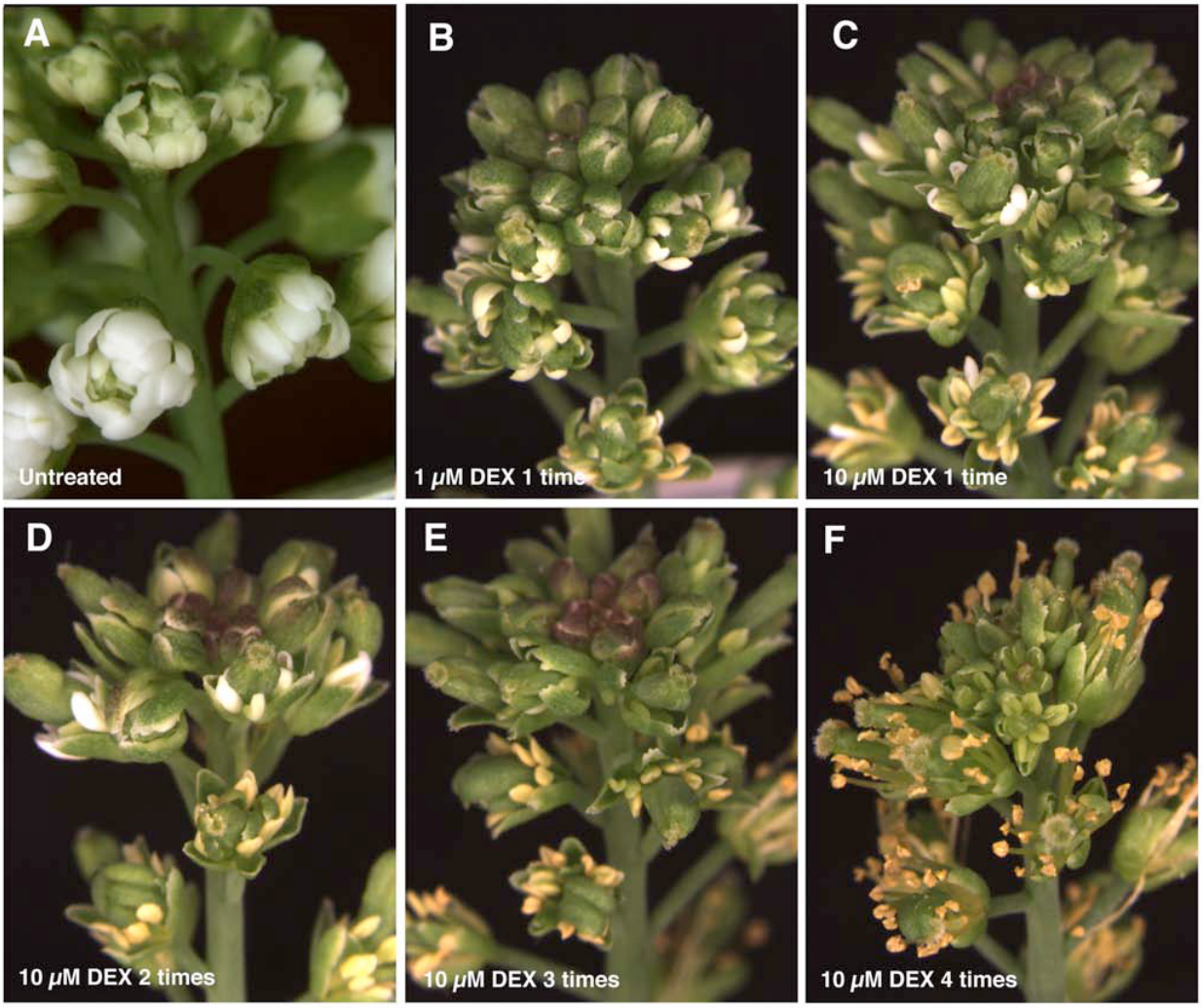
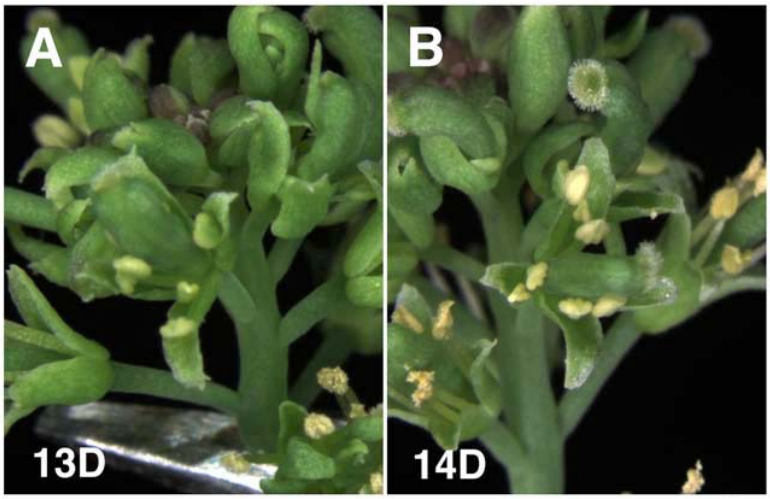
Supplemental Data. Ito et al. (2007). The homeotic protein AGAMOUS controls late stamen development by regulating a jasmonate biosynthetic gene in *Arabidopsis*.



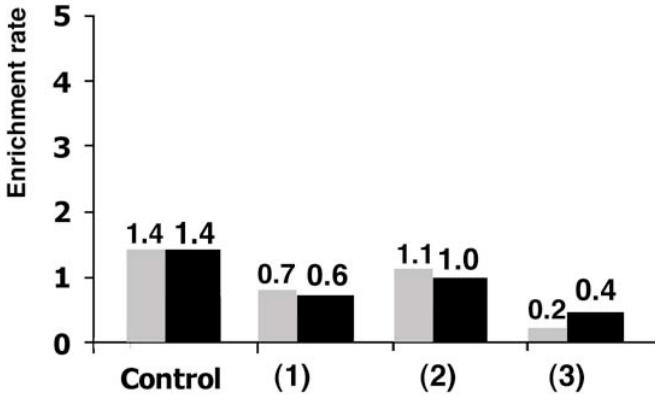
Supplemental figure 1. Inflorescences 12 days after a series of DEX treatments.

Supplemental Figure 1. Timed induction of AG activity.
Inflorescences of *ag-1 35S:AG-GR* were untreated (A) or treated once with 1 μM DEX (B), once (C), twice (D), three times (E) and four times (F) with 10 μM DEX at 12-hour intervals. Photos were taken 12 days after the initial treatments.



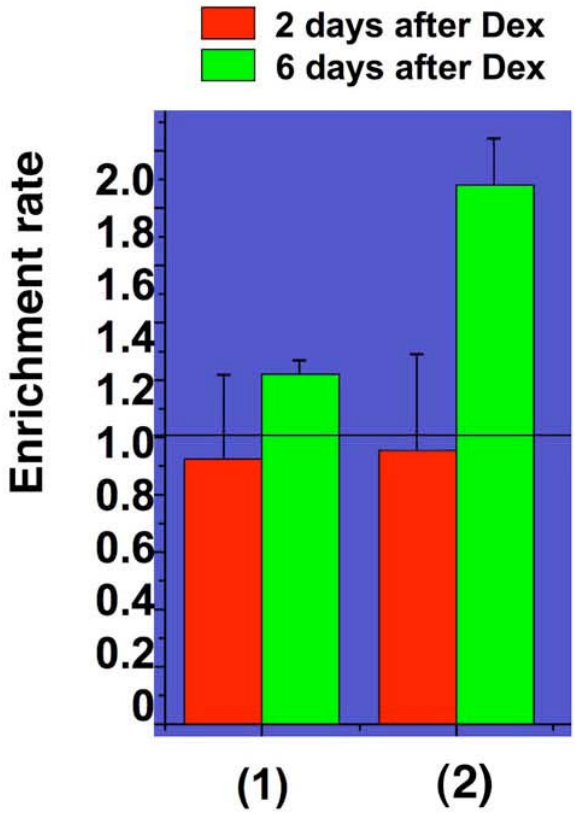
Supplemental figure 2. Flowers at anthesis in day 13 or 14 after 4 times of DEX treatments

Supplemental Figure 2. Effects of 4 DEX treatments to floral buds at earlier stages than stage 3. Inflorescences of *ag-1 35S:AG-GR* were treated four times with 10 μM DEX at 12 hour intervals. Photos were taken after 13 days (A) or 14 days (B) from the initial treatments.



Supplemental figure 3 ChIP assay using *ag-1 35S::AG-GR* in day 3 after DEX treatments

Supplemental Figure 3. ChIP assay using *ag-1 35S:AG-GR* inflorescences in day 3 after DEX treatments. Nuclear extract of *ag-1 35S:AG-GR* inflorescences in day 3 after DEX treatments was immunopurified by AG-specific antibody (shown as black bars) or IgG control (gray bars). Primers used for analysis were shown in A and supplemental Table 1. Y-axis shows enrichment rates compared with an unrelated control gene. In day 3, no significant enrichment of *DAD1* promoter regions were observed.



Supplemental figure 4
ChIP assay using *ap1 cal 35S::AP1-GR*
2 days and 6 days after treatment

Supplemental Figure 4. ChIP assay of AG binding to *DAD1* promoter in *ap1 cal 35:AP1-GR*. The inflorescences were treated once with 1 μM DEX and harvested 2 days or 6 days after treatment. The floral buds reached stage 3 and stage 8-9 in 2 days and 6 days after the treatment, respectively {Wellmer, 2006 #117}. The experiment was performed in the same way as that shown in figure 7I. In day 2 samples, no enrichment was observed, but in day 6 samples, weak but distinct enrichment was detected. Bars show standard errors.

Supplemental Table 1. Primer sequences used in this study.
All are shown in 5'-3' direction.

RT-PCR primers.

DAD1-F, TTACGGCGACGAGCCGTTAAGTGTAA

DAD1-R, TGGAGAACTCTCCGAGCTGTTTCTCT

COI1-F, CCAATACTATTTCCATTCGCGGCCC

COI1-R, CACGTTTGGACTGTACTGTCCGATGT

OPR3-F, CCCACATGTGCCTGGAATCTATTCAG

OPR3-R, AGCCCGAGTGATAGTGGGTCAGAAT

Real-time PCR primers (two sets of *DAD1* primers were tested showing similar results).

DAD1R-1F, ACGATAACCGGTCACAGCCTCG

DAD1R-1R, TGTTTCCGACACGTGGACCTCC

DAD1R-2F, TCGGTAAGGAGCTTCGGCTGAG

DAD1R-2R, CTGAATGGACACGTGGAGCTCAC

COI1R-F, GTGAGCGAGCAATCGCTGCAGC

COL1R-R, CAGCTCGATGTTCCAGTACGGTC

OPR3R-F, GGACGCAACTGATTCTGACCCAC

OPR3R-R, CGTAGGCGTGGTAGCGAGGTTG

Cloning of DAD1 promoter.

DAD1-5A2, CACCTTGCATGTAAACTTAATGTCACTATTCCCTA

DAD1-5B, ATCTCCGGCCAAGCTTAACCGGGA

Mutagenesis of CArG box.

DAD1-5'MA2

GTGTAGTAGTACCTTCACTAGGAAAACACCACGTCGTTTCTTATATAAGTG

DAD1-5'MB2

CACTTATATAAGAAACGACGTGGTGTTTTCCTAGTGAAGGTACTACTACAC

ChIP primers.

DAD1C-1F, ACGTAGAATCCATTCATGATCCCAAATAT

DAD1C-1R, GTGGTACACATAAGCTATGTTTGCTC

DAD1C-2F, AACACACACACACTTTCTCAACAAT

DAD1C-2R, CATTGACGATTCGACGTCGTACCAC

DAD1C-3F, AGATGACAGCGTCGATAATGCC

DAD1C-3R, TACCGATTTCAGCGTAAACCC

Mu-likeF, GATTTACAAGGAATCTGTTGGTGGT

Mu-likeR, CATAACATAGGTTTAGAGCATCTGC

PFK-1F, TGGCATCACAATTAGATTTGATCGG

PFK-1R, TACAGAAGTCACACGGCTATTCGTC

Sequencing primers for *DAD1* promoter constructs.

DAD1-7A, CCTTTGTGTTGAGTAATTTCGTTGTATAGGC

DAD1-7B, CCGTTAAACCATCAGAAGCCAGCTAACA

DAD1-8A, GTGGTGTGTAGTATTGTGTCCACAAATATATG

DAD1-8B, GGAGTGATAGCCATGACATCAACT

DAD1-90B, GATAACCATCGTGATTTCTGAAAGACTG

DAD1-9A, GCATTCAAACGATGTGATAATGTGAAATGC

DAD1-9B, GCATTTCACATTATCACATCGTTTGAATGC

DAD1-10A, GCACAAGACTAATATATAAAGAGCTACGAC

DAD1-10B, GTTGGAGTGATGTGTTGTTCGGGC

DAD1-11A, CGACGGTCAGATATTTATTTCGATACACAC

DAD1-11B, AAGGATTTAACCGAATTGGTGACCA

DAD1-120B, GTGATTGAAGGAAAGAGGAAATGGG

DAD1-12A, CAACAATCTCTTTAACTCCACTATAGATCCC

DAD1-13A, GGAACCGCCACGTGTCTCGA

DAD1-13B, GAACTTTGGTGATGACGTCGTCGG

DAD1-14A, GCGTCGATAATGCCGAGCTGGA

DAD1-15A, GGCGGCGAATGGCTAAAGCC

DAD1-15B, GGGACTGGACACGTGGGAGT

DAD1-16A, CCCAGCTATTGTTAGCTTTCTAATTTGG

DAD1-16B, GGACTCGACTCTGAAAATTGTGGACAG

DAD1- 40B, CCACGCCCTTCTAGGCTTCTAG