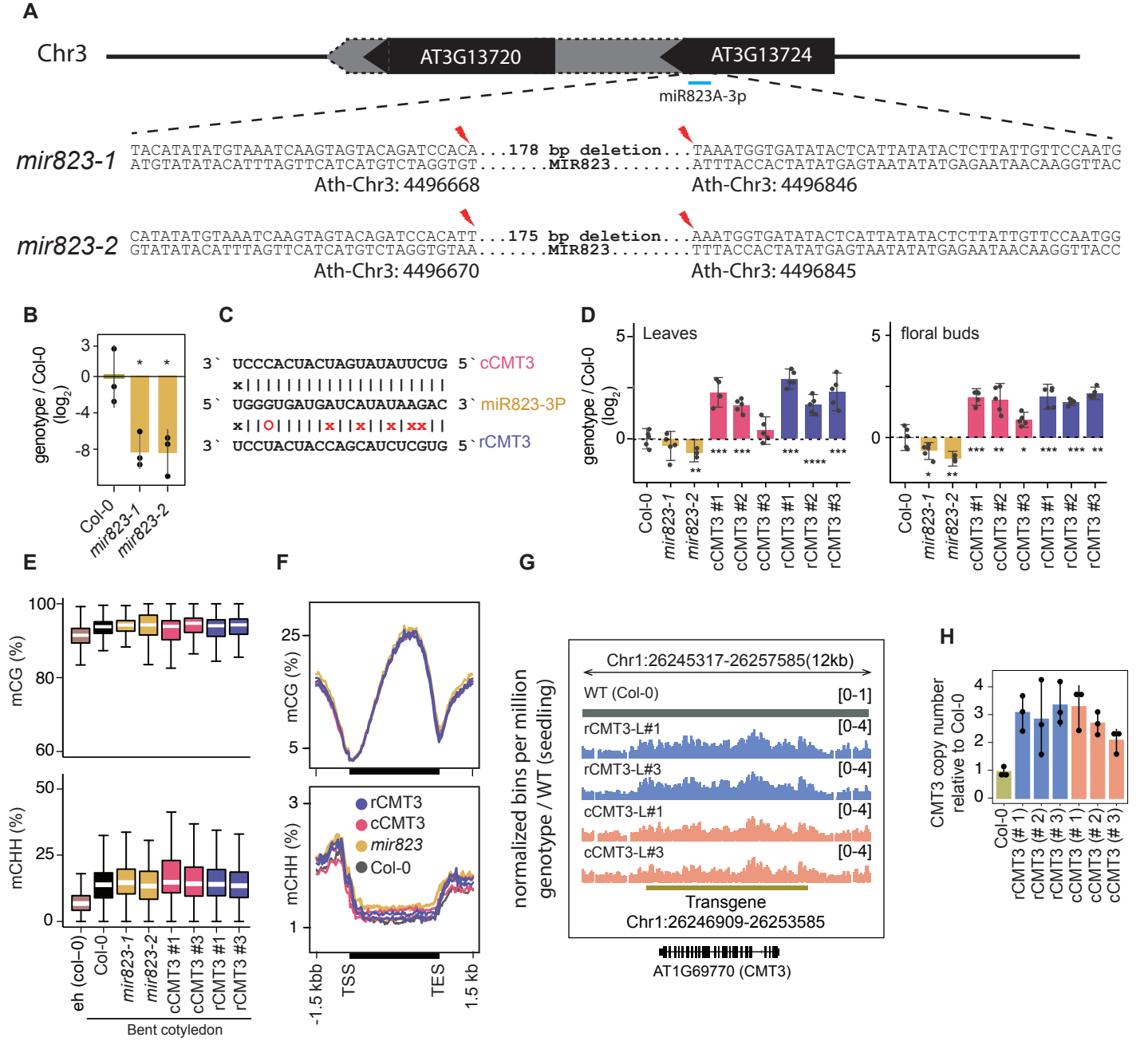
A
Chr3
AT3G13720
AT3G13724
miR823A-3p
mir823-1
TACATATATGTAAATCAAGTAGTACAGATCCACA...178 bp deletion...TAAATGGTGATATACTCATTATATACTCTTATTGTTCCAATG
ATGTATATACATTTAGTTCATCATGTCTAGGTGT.....MIR823.....ATTTACCACTATATGAGTAATATATGAGAATAACAAGGTTAC
Ath-Chr3: 4496668
Ath-Chr3: 4496846
mir823-2
CATATATGTAAATCAAGTAGTACAGATCCACATT...175 bp deletion...AAATGGTGATATACTCATTATATACTCTTATTGTTCCAATGG
GTATATACATTTAGTTCATCATGTCTAGGTGTAA.....MIR823.....TTTACCACTATATGAGTAATATATGAGAATAACAAGGTTACC
Ath-Chr3: 4496670
Ath-Chr3: 4496845
B
genotype / Col-0 (log2)
Col-0
mir823-1
mir823-2
C
3` UCCCACUACUAGUAUAUUCUG 5` cCMT3
5` UGGGUGAUGAUCAUAUAAGAC 3` miR823-3P
3` UCCUACUACCAGCAUCUCGUG 5` rCMT3
D
Leaves
floral buds
genotype / Col-0 (log2)
Col-0
mir823-1
mir823-2
cCMT3 #1
cCMT3 #2
cCMT3 #3
rCMT3 #1
rCMT3 #2
rCMT3 #3
E
mCG (%)
mCHH (%)
eh (col–0)
Col-0
mir823-1
mir823-2
cCMT3 #1
cCMT3 #3
rCMT3 #1
rCMT3 #3
Bent cotyledon
F
mCG (%)
mCHH (%)
rCMT3
cCMT3
mir823
Col-0
-1.5 kbb
TSS
TES
1.5 kb
G
normalized bins per million
genotype / WT (seedling)
Chr1:26245317-26257585(12kb)
WT (Col-0)
[0-1]
rCMT3-L#1
[0-4]
rCMT3-L#3
[0-4]
cCMT3-L#1
[0-4]
cCMT3-L#3
[0-4]
Transgene
Chr1:26246909-26253585
AT1G69770 (CMT3)
H
CMT3 copy number
relative to Col-0
Col-0
rCMT3 (# 1)
rCMT3 (# 2)
rCMT3 (# 3)
cCMT3 (# 1)
cCMT3 (# 2)
cCMT3 (# 3)