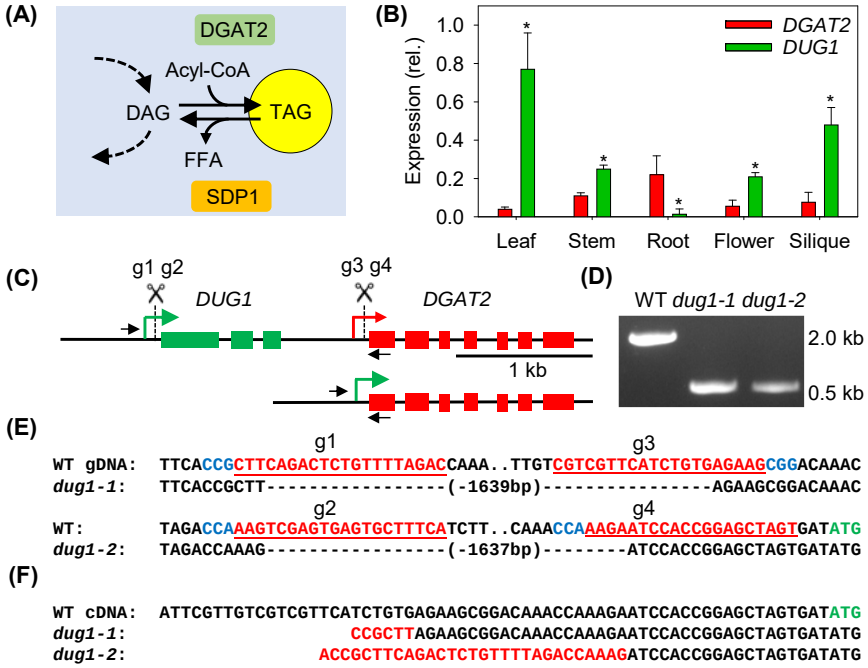
Fig. 1


(A)
DGAT2
Acyl-CoA
DAG
TAG
FFA
SDP1
(B)
Expression (rel.)
1.0
0.8
0.6
0.4
0.2
0.0
DGAT2
DUG1
Leaf
Stem
Root
Flower
Silique
(C)
g1 g2
DUG1
g3 g4
DGAT2
1 kb
(D)
WT dug1-1 dug1-2
2.0 kb
0.5 kb
(E)
g1
g3
WT gDNA: TTCACCGCTTCAGACTCTGTTTTAGACCAAA..TTGTCGTCGTTCATCTGTGAGAAGCGGACAAAC
dug1-1: TTCACCGCTT----------(-1639bp)----------AGAAGCGGACAAAC
g2
g4
WT: TAGACCAAAGTCGAGTGAGTGCTTTCATCTT..CAAACCAAAGAATCCACCGGAGCTAGTGATATG
dug1-2: TAGACCAAAG----------(-1637bp)--------ATCCACCGGAGCTAGTGATATG
(F)
WT cDNA: ATTCGTTGTCGTCGTTCATCTGTGAGAAGCGGACAAACCAAAGAATCCACCGGAGCTAGTGATATG
dug1-1: CCGCTTAGAAGCGGACAAACCAAAGAATCCACCGGAGCTAGTGATATG
dug1-2: ACCGCTTCAGACTCTGTTTTAGACCAAAGATCCACCGGAGCTAGTGATATG