

Figure S1 The growth phenotype of *abo6*. A. Seedlings (7 days) in a plate. Bar= 1cm. B. Plants (4 weeks) in soil.

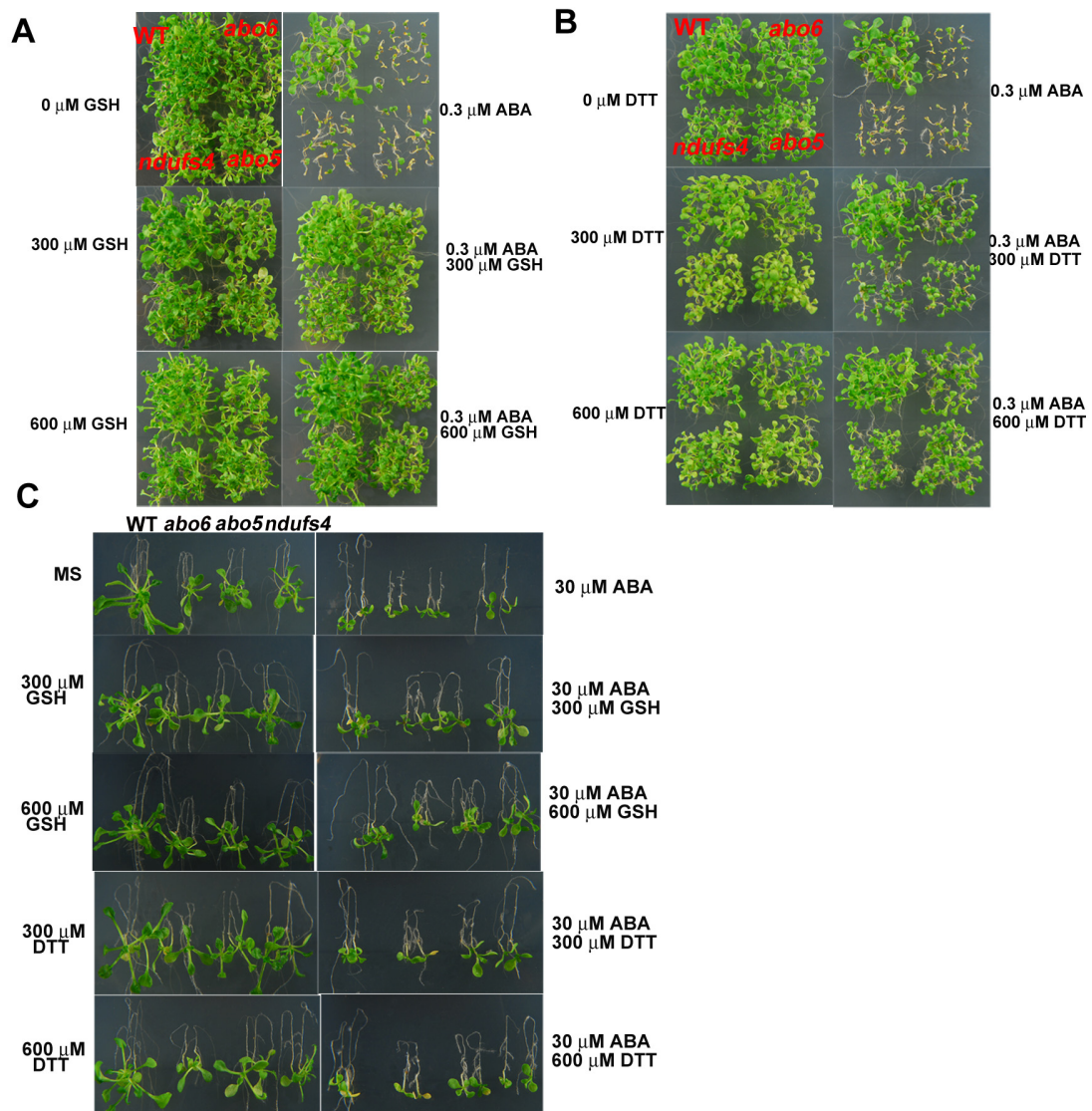


Figure S2. Seed germination and root growth of *ndufs4* and *abo5* on ABA-containing

MS medium supplemented with GSH or DTT. A. Seed germination on GSH and ABA. B. Seed germination on DTT and ABA. C. Root growth on GSH or DTT and ABA.

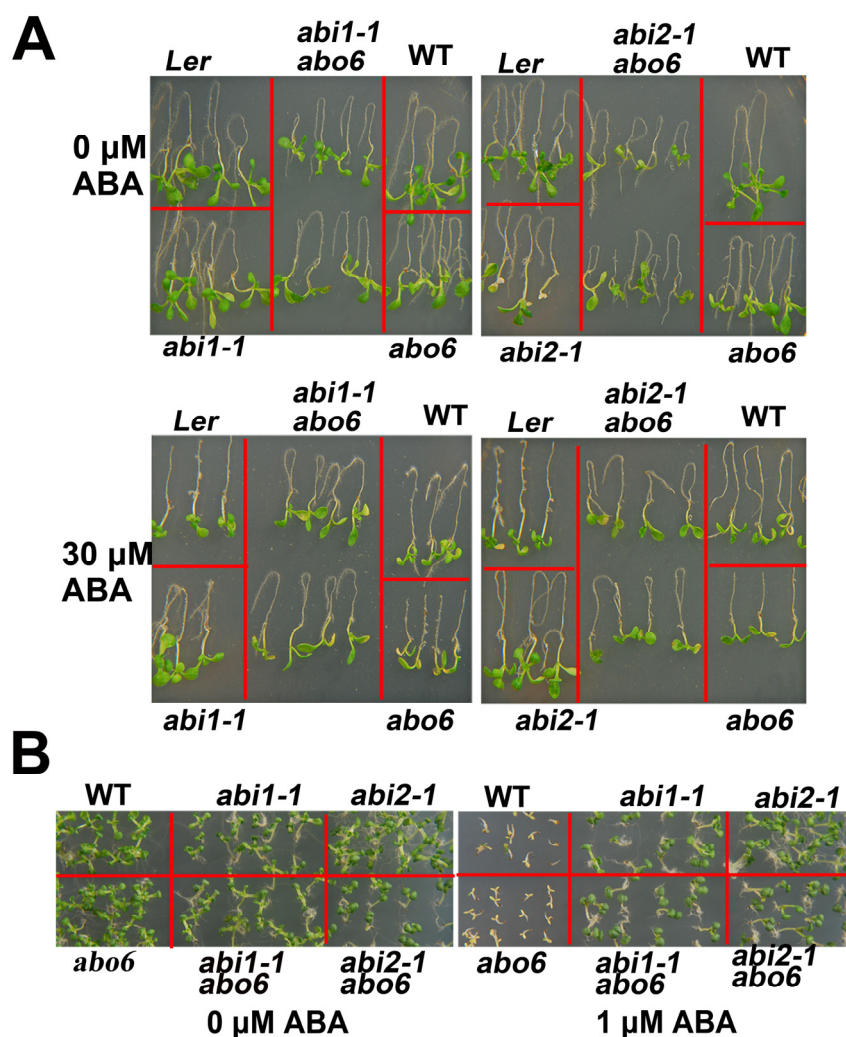


Figure S3. Seed germination and root growth of *abo6*, WT, *Ler*, *abi1-1*, *abi2-1*, *abi1-1 abo6*, and *abi2-1 abo6* in response to ABA.

A. Root growth of *abo6*, WT, *Ler*, *abi1-1*, *abi2-1*, *abi1-1 abo6*, and *abi2-1 abo6* in response to ABA. Five-day-old seedlings were transferred to MS medium or MS medium containing 30 μ M ABA for 7 days before photographed.

B. Seed germination greening of *abo6*, WT, *Ler*, *abi1-1*, *abi2-1*, *abi1-1 abo6*, and *abi2-1 abo6* as affected by ABA. Plates were kept in a growth chamber for 7 days.

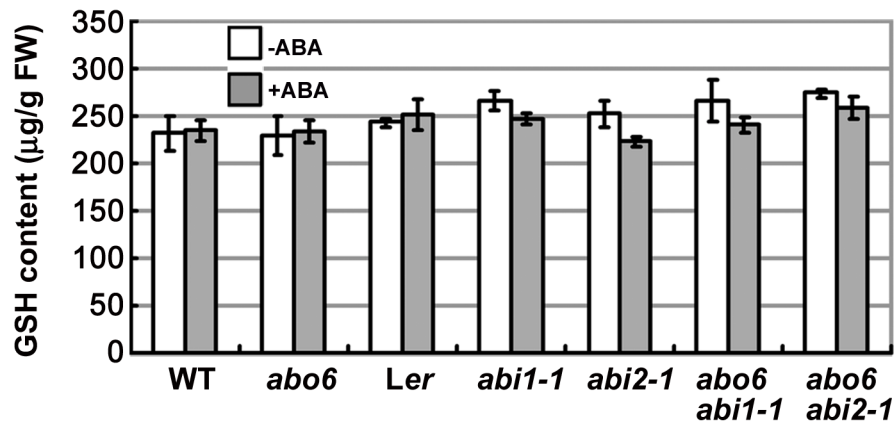


Figure S4 GSH contents in the roots of wild type (WT, *g11*), *abo6*, *Ler*, *abi1-1*, *abi2-1* *abo6 abi1-1* and *abo6 abi2-1* under ABA and no ABA treatments. Three independent experiments were done with similar results, each with three biological repeats. Data are from one experiment.

Table S1: Primers used to amplify fragment in Northern blot.

Name	Forward primer	Reverse primer
NAD1b	CTGTACTAATATGTGTAGGTCCCCGT	AGCTGCAACTGATTTCAGCT
NAD1c	GGTCCATGCACATTGTTCTTTCCA	AGGAAGCCATTGAAAGGTGACT
NAD2a	CCTTGCTTCTGCTCGCCGCT	CGAGCCGGCTCCGTGGA
NAD2b	GTGGGCACCAGATATCTATGAGG	CGACCTATAACGCTAGTCACTACT
NAD4	CGAACATACAGGGAATTGGAGGT	CTCTGCCATTTGAATCGGAGA
NAD5a	GCCAATGTTGGTGACTGGAGAT	CCGAATAGTTAGAGATGCCGCA
NAD5c	GCCGAATCCGAGTTTGCTGCT	CCACTTTGAAGTTGACTTATTTCGTC
NAD7	GATGGCCCAAGAACACGCTCAT	GACCTCTTAACATTACACCACTGAATCC
COX2	GTGATGCAGCGGAACCAT	CTCACTGCACTGACCATAGT
RPL2	TCAGATCGCTCCAGTACGATGGATC	ACAGGTGCACGATCGACTTTGC
RPS3	TCGACCACGACGACTGAAACGAC	ACTGCAGGGAGGGTCCGTAG
CCB452	TCAGTAGAGATGTTCCCACGGGTG	ATCAGCTGTCCGGCTCCTTGGTAAG

Table S2: Primers used for qRT-PCR

Name	Forward primer	Reverse primer
AOX1a	ATGTTCTGCTCCGGCTATTGCTA	AGCTGGAGCTTCCTTTAGTTCACG
NDB2	GCATCTGGGACAATTTGCACCACT	ACGCCTCATCCAATCTGAAACCAC
NDB3	ACTTCCAGGAGACTGGGTTTCGAT	AATGCGACTTGAATCCCTCCCGAA
NDB4	TGCTCAAGAGTGCAAATGGTGAGG	TACCTGAATGGCTGGAACCGATGT
ABO6	TGGTTCATTGAGCACGGGAGTACA	TGTCACGGCCAAAGACAAATCTGC

RD29A	ATGGACAAAGCAATGAGCATGAGC	TCCTTACAGAATGAGCCGGTGC
ACTIN2/8	ACGGTAACATTGTGCTCAGTGGTG	CTTGGAGATCCACATCTGCTGGA

Table S3: Primers used for the splicing qRT-PCR experiment of mitochondrial transcripts.

Name	Forward primer	Reverse primer
NAD1 F1	GACCAATAGATACTTCATAAGAGACCA	GACCAATAGATACTTCATAAGAGACCA
NAD1 intron1	CGTGCTCGTACGGTTCATAG	GACCAATAGATACTTCATAAGAGACCA
NAD1 F2	TCTGCAGCTCAAATGGTCTC	ATTCAGCTTCCGCTTCTGG
NAD1 intron2	TCTGCAGCTCAAATGGTCTC	GGTTGGGTTAGGGGAACATC
NAD1 F3	TCCGTTTGATCTCCCAGAAG	AAAAGAGCAGACCCCATTGA
NAD1 intron3	GGGAGCTGTATGAGCGGTAA	AAAAGAGCAGACCCCATTGA
NAD1 F4	TCTTCAATGGGGTCTGCTC	AGCCCGGGATCTTCTTGA
NAD1 intron4	ACGGAGCTGCATCCCTACT	AGCCCGGGATCTTCTTGA
NAD2 F1	GGATCCTCCCACACATGTTC	GCGAGCAGAAGCAAGGTTAT
NAD2 intron1	CCCATTCTAACCAGTGGAG	GCGAGCAGAAGCAAGGTTAT
NAD2 F2	AATATTTGATCTTAGGTGCATTTTC	AAAGGAACTGCAGTGATCTTGA
NAD2 intron2	AATATTTGATCTTAGGTGCATTTTC	CCCGATCCGATAGTTTACAA
NAD2 F3	CTATGGGTCTACTGGAGCTACCC	GCGCAATAGAAAAGGAATGCT
NAD2 intron3	GGCGAATTTCAAACCTGTGG	GCGCAATAGAAAAGGAATGCT
NAD2 F4	TATTTGTTCTTCGCCGCTTT	CAAAGGAGAGGGGTATAGCAA
NAD2 intron4	TATTTGTTCTTCGCCGCTTT	CTTATTCGTGGCAACCTTCC
NAD4 F1	ATTCTATGTTTTTCCCGAAAGC	GAAAAACTGATATGCTGCCTTG
NAD4 intron1	CCGTATGATGCGGAAGTCTC	GAAAAACTGATATGCTGCCTTG
NAD4 F2	AATACCCATGTTTCCCGAAG	TGCTACCTCCAATTCCTGT
NAD4 intron2	GCGGAACGACCAGAAAAATA	TGCTACCTCCAATTCCTGT
NAD4 F3	TTCCTCCATAAATTCTCCGATT	TGAAATTTGCCATGTTGCAC
NAD4 intron3	TCTAGCTTGGTTCGGAGAGC	TGAAATTTGCCATGTTGCAC
NAD5 F1	CCATGGATCTCATCGGAAAT	TGGACCAAGCTACTTATGGATG
NAD5 intron1	TTCGCAAATAGGTCCGACT	TGGACCAAGCTACTTATGGATG
NAD5 F2	CTGGCTCTCGGGAGTCTCTT	AACTCGGATTCGGCAAGAA
NAD5 intron2	CTGGCTCTCGGGAGTCTCTT	GTACGATCGTGTCGGGTGA
NAD5 intron3	GCCGTGTAATAGGCGACCA	AACTCGGATTCGGCAAGAA
NAD5 F3	GTTCTGCGTTTCGGATATG	AACATTGCAAAGGCATAATGA