Figure S1. qRT-PCR analysis of ZCN8 expression level in mature leaf five of V7 wild type (wt) plants relative to id1 mutants at the same developmental stage. (+) denotes statistical significance based on a t-test ($P < 0.05$, $n = 5$). Error bars represent SD.
Figure S2. A, Total carbohydrate (sucrose plus starch) to soluble protein ratio in id1 and wt mature leaf 5 at V7.  B, Relative expression levels of a putative maize maltose transporter gene (maltose excess1, mex1) and a glucose translocator gene (GlcT) in wt and id1 mature leaves.  C, Starch to sucrose ratio in source leaves of id1 and wt plants after the floral transition (V9).

Bars represent SD (n = 5) and statistical significance (+) is evaluated at the P < 0.05 level.
Figure S3. A, Carbon dioxide (CO$_2$) response curve for photosynthesis of id1 and wt leaf five at the V7 stage. B, Chlorophyll quantification of id1 and wt leaf five at the V7 stage. Bars represent SD (n = 5) and statistical significance (+) is evaluated at the P < 0.05 level.
Figure S4. Comparison of starch, sucrose, and glucose levels in immature sink leaves of id1 mutants relative to normal-flowering V7 maize plants.