



# Corrigendum: The Differences between NAD-ME and NADP-ME Subtypes of C<sub>4</sub> Photosynthesis: More than Decarboxylating Enzymes

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#### A Corrigendum on

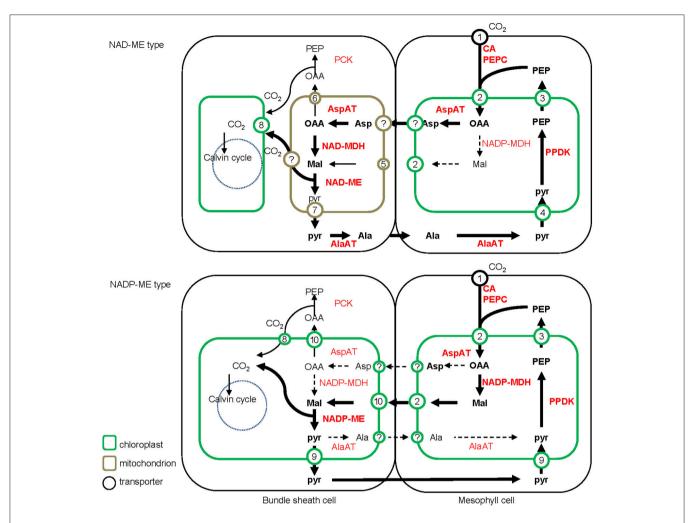
## The Differences between NAD-ME and NADP-ME Subtypes of C<sub>4</sub> Photosynthesis: More than Decarboxylating Enzymes

by Rao, X., and Dixon, R. A. (2016). Front. Plant Sci. 7:1525. doi: 10.3389/fpls.2016.01525

In the original article, there was a mistake in **Figure 2**, as published. The names of the cell types, "mesophyll cell" and "bundle sheath" were erroneously interchanged. The corrected **Figure 2** appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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**FIGURE 2** | Detailed schematic of the C<sub>4</sub> photosynthesis pathway of NAD-ME and NADP-ME subtypes. The major C4 biochemical pathway, the additional PEPCK pathway and the possible alternative pathway are indicated with bold, narrow, and dashed lines, respectively. The abundances of 4-carbon acids (metabolite level) and transporters (transcript level) are indicated with font style (with bold representing more abundant) and font/circle size (with larger representing more abundant), respectively. Ala, alanine; Asp, aspartate; Mal, malate; Pyr, pyruvate; OAA, oxaloacetate; PEP, phosphoenolpyruvate; CA, carbonic anhydrase; PEPC, phosphoenolpyruvate carboxylase; PPDK, pyruvate/orthophosphate dikinase; AspAT, aspartate aminotransferase; AlaAT, alanine aminotransferase; NADP-MDH, NADP-dependent malate dehydrogenase; NADP-ME, NADP-dependent malic enzyme; NAD-MDH, NAD-dependent malate dehydrogenase; NAD-ME, NADP-dependent malic enzyme; PCK, phosphoenolpyruvate carboxylate transporter 1 (DIT1, OMT1); 3, phosphate/phosphoenolpyruvate translocator (PPT); 4, sodium bile acid symptorer 2 (BASS2) and sodium:hydrogen antiporter (NHD); 5, malate phosphate antiport 1 (DIC1) and phosphate proton symport (PIC); 6, mitochondrial carrier (DTC); 7, mitochondrial pyruvate carrier (MPC); 8, plasma membrane intrinsic protein (PIP) of chloroplast; 9, proton:pyruvate cotransporter (MEP); 10, dicarboxylate transport 2 (DIT2, DCT2).