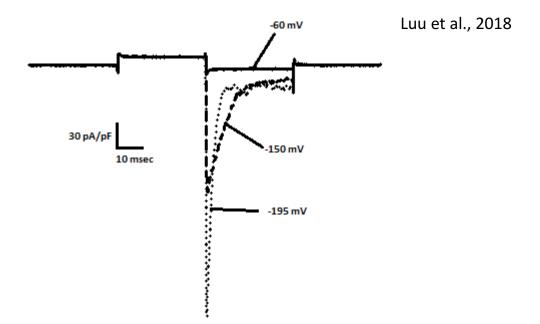
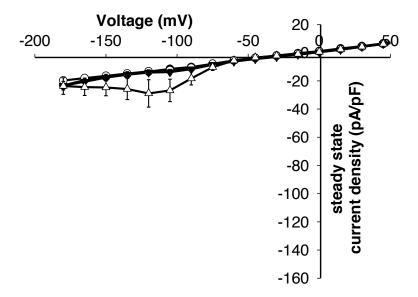
The malate-activated *Brachypodium* distachyon ALMT12 anion channel is coactivated by Ca²⁺/calmodulin

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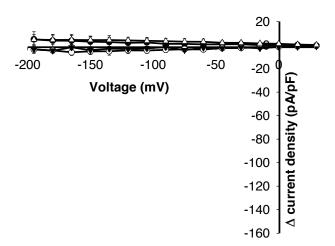
Supplemental Figures



Supplemental Figure 1. Representative traces of BdALMT12 current at different voltages in the presence of 5uM free Ca2+ in the pipette solution.



Supplemental Figure 2. Effect of Ca²⁺ on steady-state current density of BdALMT12. Steady-state current recordings from BdALMT12-expressing HEK293 cells using different Ca²⁺ concentration in the pipette solution including 0 μ M (black circle), 0.1 μ M (white circle), 0.5 μ M (black triangle), 5 μ M (white triangle) free Ca²⁺, n \geq 8 for each concentration.



Supplemental Figure 3. Effect of Ca2+ on eGFP-expressing HEK293 cells. This is a negative control experiment performed alongside with experiment showed in figure 2A, to show the background current of HEK293 cells. HEK cells transfected with GFP were patched using different Ca2+ concentrations in the pipette solution including 0 μ M (black circle), 0.1 μ M (white circle), 0.5 μ M (black triangle) and 1 μ M (white triangle) free Ca2+, n = 3 each concentration.