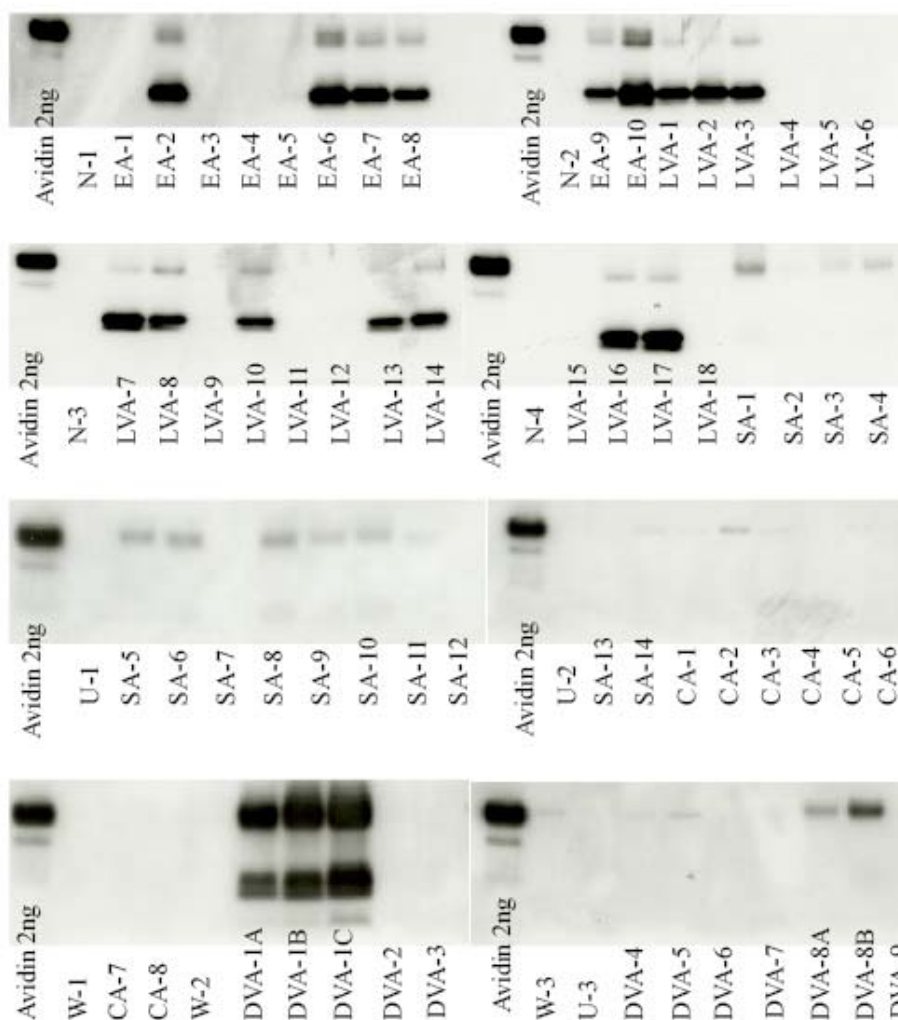


### Accessory Publication



**Fig. S1.** Analysis of avidin content in all transgenic plants generated in this study. Total proteins were isolated from young leaf tissue of 1st generation sugarcane transgenic plants following separation by SDS-PAGE. Leaf proteins (20  $\mu$ g) were labelled with anti-avidin antibodies and detected using chemiluminescence. Purified avidin (2 ng) was used as a positive control and is shown at the left of each panel. Letters beneath each panel designate plant lines as follows: N, pUKN control; W, water shot control; U, unshot control; CA, cytoplasmic avidin; SA, secreted avidin; EA, ER-retained avidin; DVA, delta vacuole-targeted avidin; LVA, lytic vacuole-targeted avidin. Each line was likely to have originated from independent transgene integration events as they were derived from independent calli. Due to the low number of transgenics and the aberrant phenotype observed from DVA lines some clonal replicates originating from within the same calli (marked A–C) were analysed.