



Figure 5. UCB1 showed higher suberin deposition than *P. integerrima* in control and salt treated plants.

(a) Cross sections of root tips in both UCB1 and *P. integerrima* showed increased suberization at exodermis (white arrow) and endodermis (red arrow) when stained with Fluorol Yellow 088. (b) Quantification of suberin fluorescence intensity (a. u.) across cross sections indicated increase in suberization in response to salt treatment in both exodermis and endodermis of *P. integerrima* and in endodermis of UCB1. (c-d) Quantification of suberin fluorescence in zones staged by xylem development showed a peak in suberin increase after salt treatment in zone 1 of *P. integerrima* exodermis. In UCB1 both zone 0 and zone 1 showed an increase, with the greatest change occurring in endodermis of zone 0. (e-f) UCB1 showed consistently higher suberization than *P. integerrima* in the exodermis of untreated plants for all zones, and higher suberization in zone 0 of endodermis. After salt treatment, UCB1 showed higher suberization than *P. integerrima* for all zones in both exodermis and endodermis. (g) Salt treatment increased the percentage of suberized cells in the endodermis of *P. integerrima* and in both the exodermis and endodermis of UCB1 (* $P < 0.05$, ** $P < 0.01$, unpaired 2-tailed t-test). (N= 28-62 sections collected from 3-5 plants for B, G. N=3-28 sections per zone per genotype per treatment for C-F.) Error bars = SEM.