

**Figure 1: Hormone levels in apical and basal regions of Arabidopsis roots over 5 weeks of culture.**

The figure displays five line graphs showing the levels of IAA, tZ, tZR, iP, and iPR (pg/mg FW) in the apical region (I, II, III) and basal region of Arabidopsis roots over a 5-week culture period. The y-axis represents hormone levels (pg/mg FW) from 0 to 25. The x-axis represents the culture period in weeks (0 to 5). The legend indicates the apical region (I, II, III) and basal region. Error bars represent standard deviation.

**IAA:** IAA levels are highest in the basal region, peaking at week 1 (~12 pg/mg FW) and then decreasing. Apical region I shows a slight increase from week 0 to week 1, then decreases.

**tZ:** tZ levels are relatively low and stable across all regions, with a slight increase in the basal region at week 1.

**tZR:** tZR levels show a significant increase in the basal region at week 1 (~18 pg/mg FW) and then decrease. Apical region I shows a slight increase from week 0 to week 1, then decreases.

**iP:** iP levels are low and stable across all regions. An inset graph shows a zoomed-in view of the basal region data (y-axis 0 to 4).

**iPR:** iPR levels are low and stable across all regions. An inset graph shows a zoomed-in view of the basal region data (y-axis 0 to 4).

