Summary of: Skewing in Arabidopsis roots involves disparate environmental signaling pathways

Key findings:

- Skewing and waving are distinct root growth patterns in Arabidopsis.
- Skewing occurs when roots grow on a tilted surface, deviating from the gravitational direction.
- Skewing and waving are genetically distinct, with WS exhibiting strong skewing and waving, while Col-0 waves like WS but does not greatly skew.
- Skewing and waving are not universal; WS skew and wave at Agp 135°, while Col-0 does not skew but waves.
- Skewing is a distinguishable morphological trait in WS at Agp 135°, while Col-0 does not skew.
- Skewing is a root growth pattern that involves cell expansion, auxin transport, and hormone signaling.
- Skewing is associated with root waving, but not vice versa.
- Skewing is a response to environmental cues, particularly the angle of growth.
- Skewing is not a universal trait; not all ecotypes exhibit skewing.
- Skewing is a complex process involving multiple signaling pathways.
- Skewing is not a simple response to gravity, but involves other environmental cues.
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