| Description of Developmental Stages | | | | |
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|  | **Desert Tobacco** | ***A. thaliana*** | **Tomato** | **Melon** |
| Stage 1 | Ovary patterning (0 DAP) | Ovary patterning (3 DAP) | Ovary patterning (1 DAP) | Ovary patterning (—)*1* |
| Stage 2 | Transverse anticlinal cell division (3 DAP) | Cell division and expansion (6 DAP) | Anticlinal and periclinal cell division (3 DAP) | Cell division (10 DAP) |
| Stage 3 | Beginning basipetal lignification (6 DAP) | Beginning basipetal lignification (9 DAP) | Cell expansion and endoreduplication (15 DAP) | Cell expansion (20 DAP) |
| Transition | Color change from green to brown (11 DAP) | Color change to from green to yellow (12 DAP) | Initial color change from green to red, often termed 'breaker' stage (35 DAP) | Increase in sugar content, maximum firmness (30 DAP) |
| Stage 4 | Senescence and dehiscence (—)*1* | Senescence and dehiscence (—)*1* | Cell wall softening, increase in sugar content, and full accumulation of pigments (45 DAP) | Fruit softening, maximum sugar content (40 DAP) |
| Bioproject Accession | PRJNA646747 (This Study) | PRJEB25745 (Mizzotti et al, 2018) | PRJNA646747 (This Study) | PRJNA314069 (Chayut et al, 2017) |
| *1*Not sampled | | | | |
| Pabón-Mora and Litt, 2011; Mizzotti et al, 2018; and Zhang et al, 2016 | | | | |