

TABLE 1. *Cell production rates (doubling times) for epidermal cells in the basal 1.5 mm of tall fescue leaves and tillers*

Organ	Doubling time (h)	Notes
L5 blade	24	Primordium initiation, lasting 4 to 5 cell division cycles and producing primordia of 0.3–0.6 mm in length.
L6 blade	27	
T2 first leaf	27	
T3 first leaf	31	
mean	27 ± 3	
L4 blade	29	Onset of rapid elongation leading to leaf emergence above the whorl.
L5 blade	29	
T2 first leaf	26	
mean	28 ± 2	
L3 sheath	27	Final cell division prior to collapse of division zone. Leaf is elongating at its maximum rate.
L4 sheath	28	
mean	28 ± 1	