

Table S1. Mean size of the different developmental stages in the analyzed ovules of *Agave tequilana*.

Developmental stages	Number of observed ovules	Mean size±S.D. (µm).	
		Long	Wide
 Tetrads	32	58.06±2.913	21.38±0.894
 Functional megaspore	21	33.41±1.305	23.47±0.539
 Functional megaspore	30	43.27±2.218	25.03±0.784
 Two nuclei embryo sac	40	50.46±3.578	35.15±1.834
 Four nuclei embryo sac	48	60.00±3.411	42.04±1.359
 Mature embryo sac	182	247.04±6.873	106.12±7.592
 Embryo sac at 5DAP	20	280.24±10.054	125.08±2.362

Table S1. Continued.

Cells in the mature and fertilized embryo sac	Number of observed ovules	Mean size±S.D. (µm).	
		Long	Wide
Central cell nucleus	162	17.01 ±0.593	13.06±0.836
Egg cell	82	28.25±2.223	23.10±3.114
Distance between the egg cell and the endosperm cell nucleus in the mature embryo sac	82	210.03±16.707	
Zygote at 5DAP	20	40.24±6.141	38.36±7.797