

Supplemental Table S1. Morphological analyses of foxtail millet grain.

Stages	Morphological Characteristics	Length of Flower Organs (mm)		
		Spikelet	Anther	grain
Ovule Stage	Double Fertilization Stage: development of the mature ovules. (Before pollination)	2.24-2.41	0.046-0.055	0.53-0.82
Milk Stage	Cellularization Stage: cellularization of the endosperm was completed; starch grains started to accumulate; contain dense and few small starch grains; the starch biosynthesis initiated from the central region of the endosperm; the central region of the endosperm were filled with starch grains. (6 - 11DAP)	2.46-2.54	–	1.27-1.76
Dough Stage	Storage Product Accumulation Stage: the starch grain accumulation is rapidly; the Aleurone layer and starch endosperm layer differentiate and accumulate nutrients rapidly. (12 - 22DAP)	2.49-2.44	–	1.72-1.92
Maturity Stage	Maturity Stage: endosperm maturation; crystallization of starch and storage proteins; formation of semitransparent starchy endosperm. (23 - 30DAP)	2.45-2.27	–	1.98-1.77