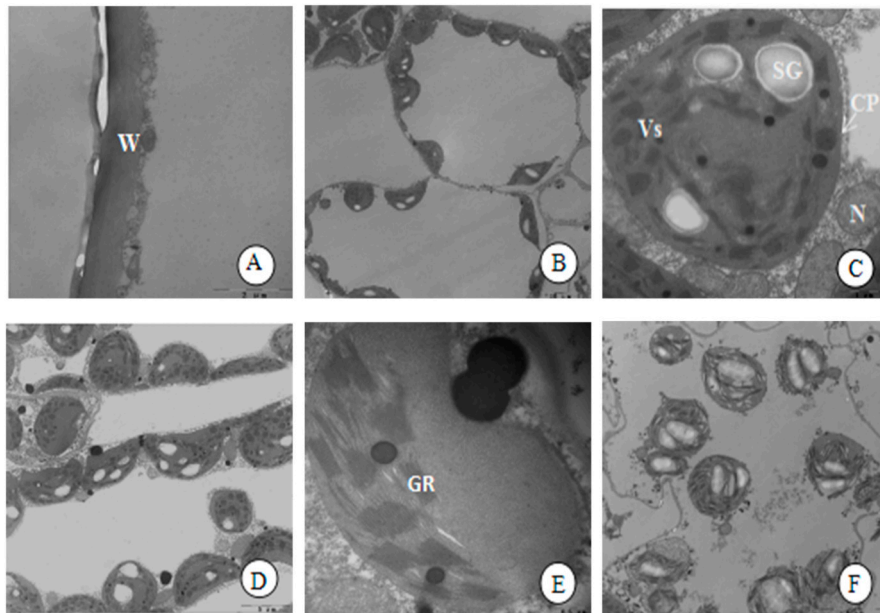
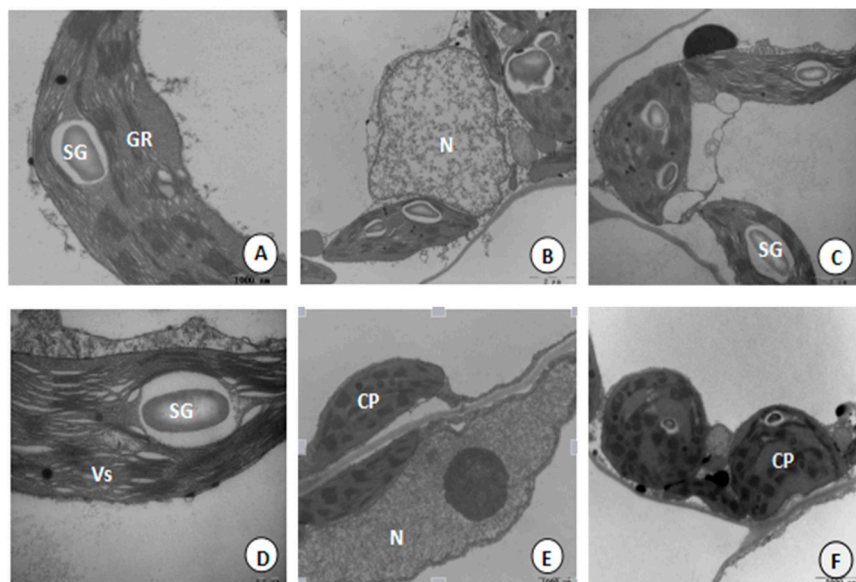


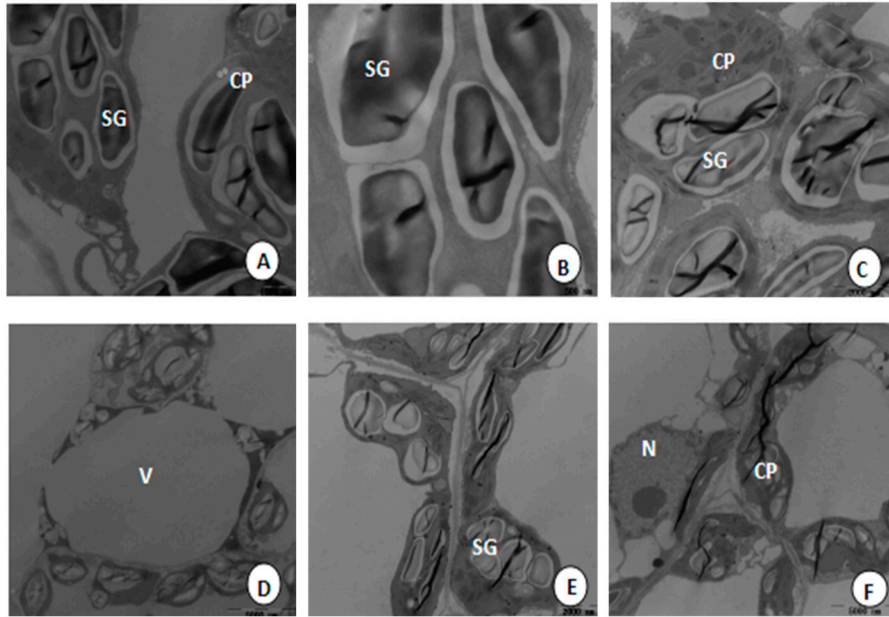
Supplementary Information



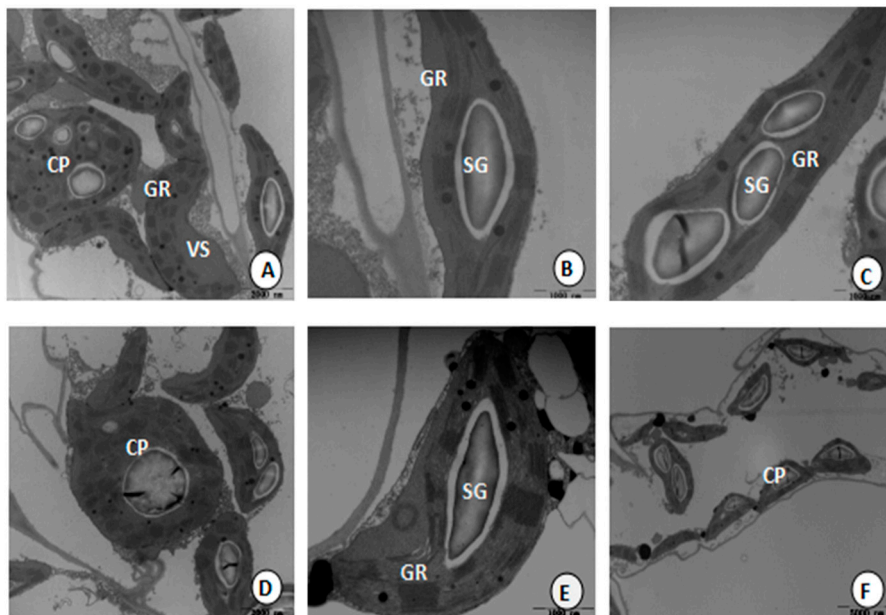
Supplemental Fig. 1. Structure of the chloroplast of 3186M, as viewed under a transmission electron microscope. CP - chloroplast, SG - starch granule, Vs - matrix vesicles, N - nucleus, V - vacuole, W - cell wall, and PM - plasma membrane.



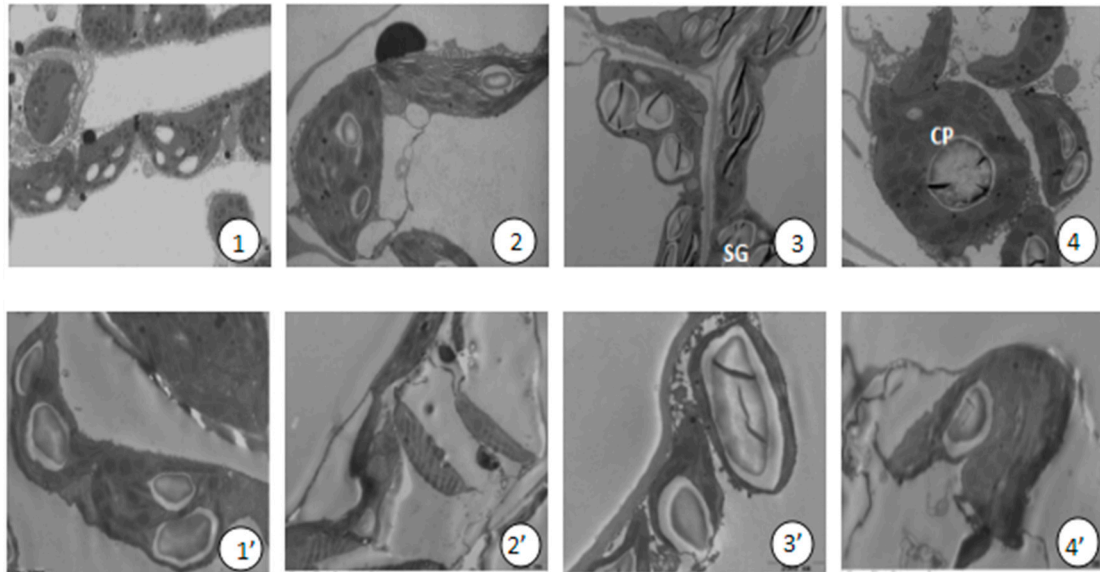
Supplemental Fig. 2. Structure of the chloroplast of 3186L, as viewed under a transmission electron microscope. CP - chloroplast, SG - starch granule, Vs - matrix vesicles, N - nucleus, V - vacuole, W - cell wall, and PM - plasma membrane.



Supplemental Fig. 3. Structure of the chloroplast of 3-071, as viewed under a transmission electron microscope. CP - chloroplast, SG - starch granule, Vs - matrix vesicles, N - nucleus, V - vacuole, W - cell wall, and PM - plasma membrane.



Supplemental Fig. 4. Structure of the chloroplast of JR, as viewed under a transmission electron microscope. CP - chloroplast, SG - starch granule, Vs - matrix vesicles, N - nucleus, V - vacuole, W - cell wall, and PM - plasma membrane.



Supplemental Fig. 5. Chloroplast structures of the various experimental varieties before and after drought treatment. 1: 3186M before drought treatment, 1': 3186M after drought treatment; 2: 3186L before drought treatment, 2': 3186L after drought treatment; 3: 3-071 before drought treatment, 3': 3-071 after drought treatment; 4: JR before drought treatment, and 4': JR after drought treatment.

Table S1: The surface coat types and density distribution of four tomato materials.

	Type II non glandular hairs	Type III non glandular hairs	Type V non glandular hairs	Type I glandular hair	Type IV glandular hair	Type VI glandular hair	Characteristic
3186M	✓	✓		✓	✓		High coverage, variety and density
3186L		✓	✓			✓	Small and short coverage, few glands and relatively low density
3-071		✓	✓			✓	Small coverage, relatively low density, alternate growth of long hair and short hair
JR		✓	✓			✓	Few species Relatively low density Highly uniform and short Flat leaf surface