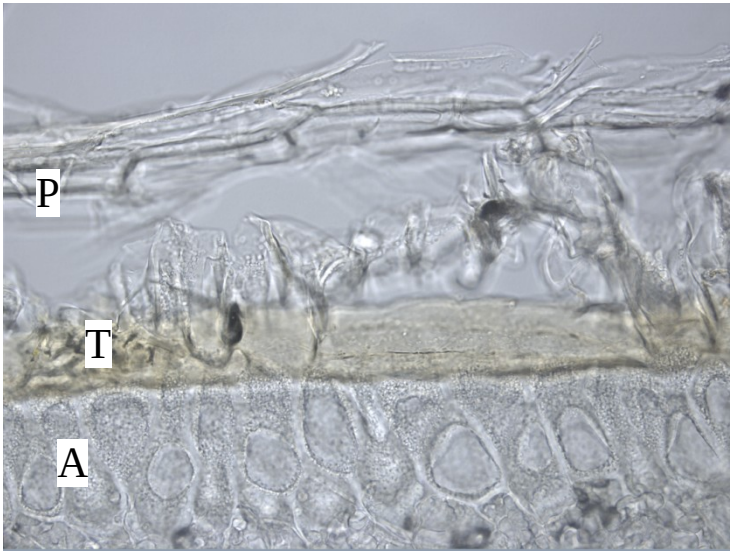
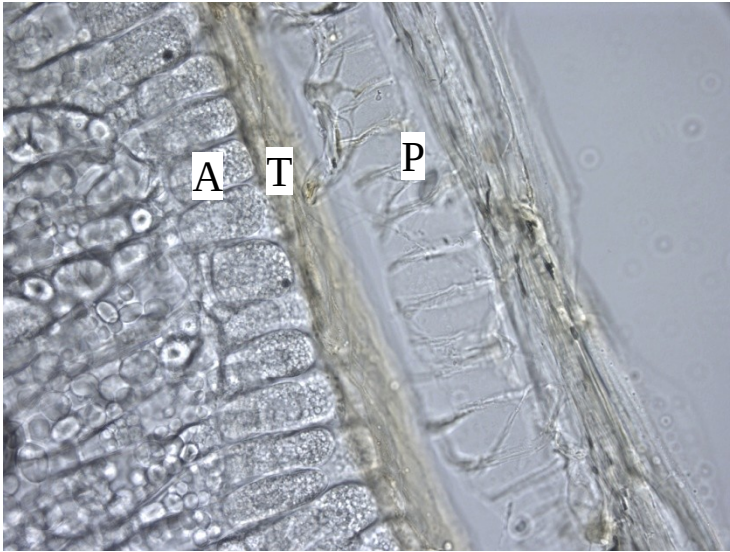
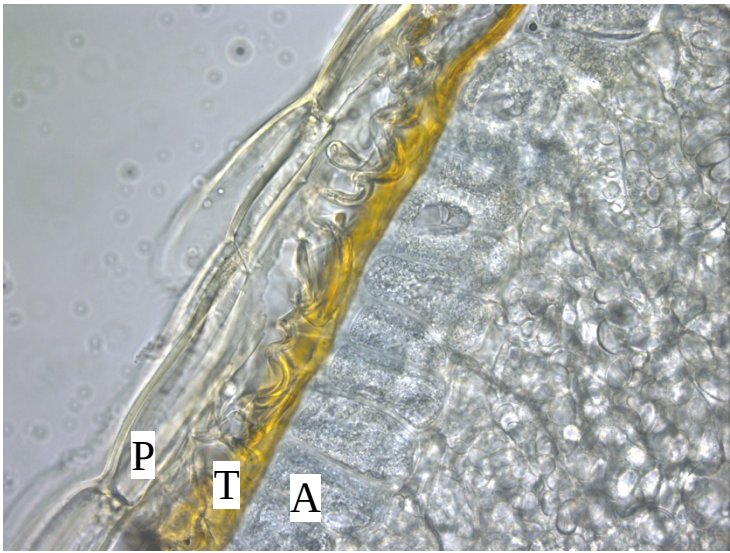
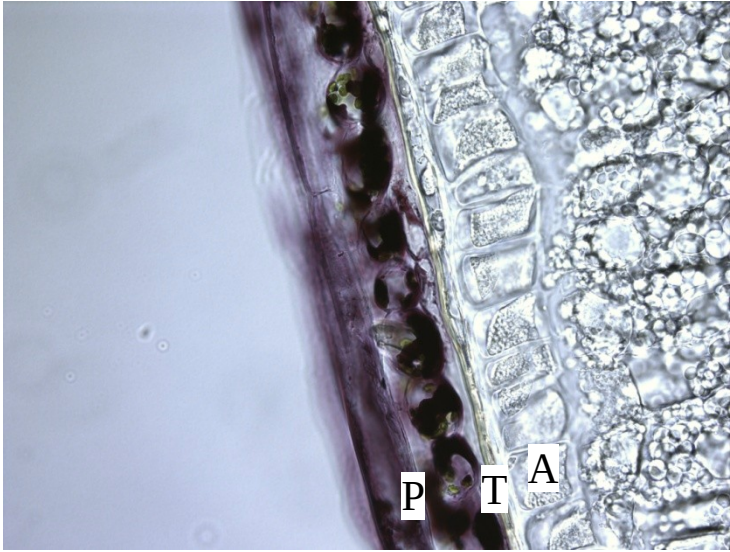
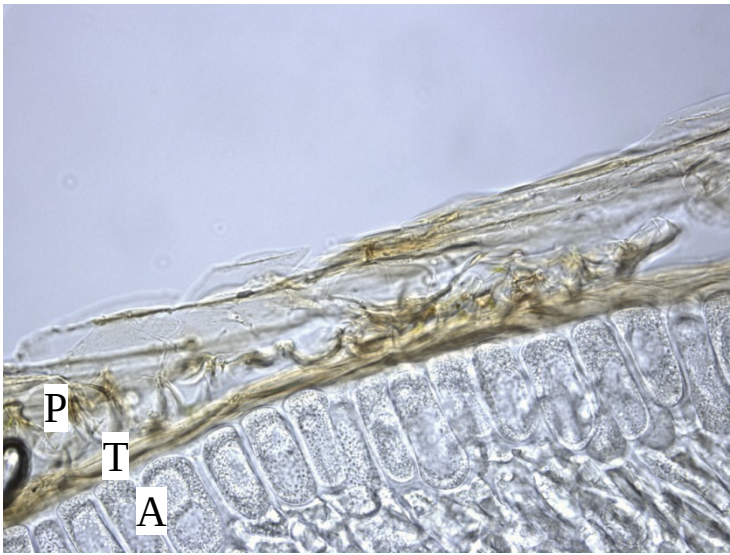
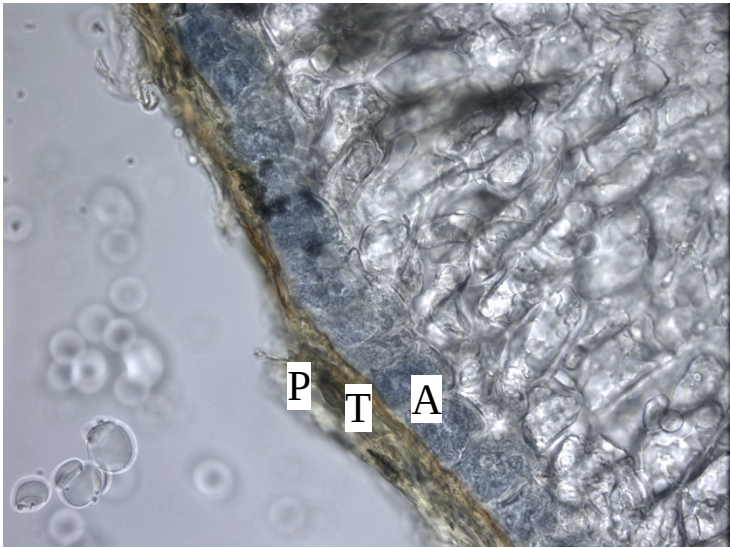


Figure S1. Histological characterization of grains of different color. P-pericarp, A-aulerone, T-testa.

Line	Grain color	Description of histological slices	Image
L2	yellow	no anthocyanins, brown testa,	
vi5	yellow	no anthocyanins, brown testa	

L8	green	Light blue aleurone, dark brown testa.	
RMu12	dark violet	dark violet pericarp, no stain in aleurone, light brown testa.	
L7	yellow	no anthocyanins, brown testa	

RMu1	yellow	no anthocyanins, brown testa	
L301	green	dark grey-blue aleurone, dark brown testa	
GC-14/1	Light violet	brownish-violet pericarp, yellowish aleuron, brown testa	