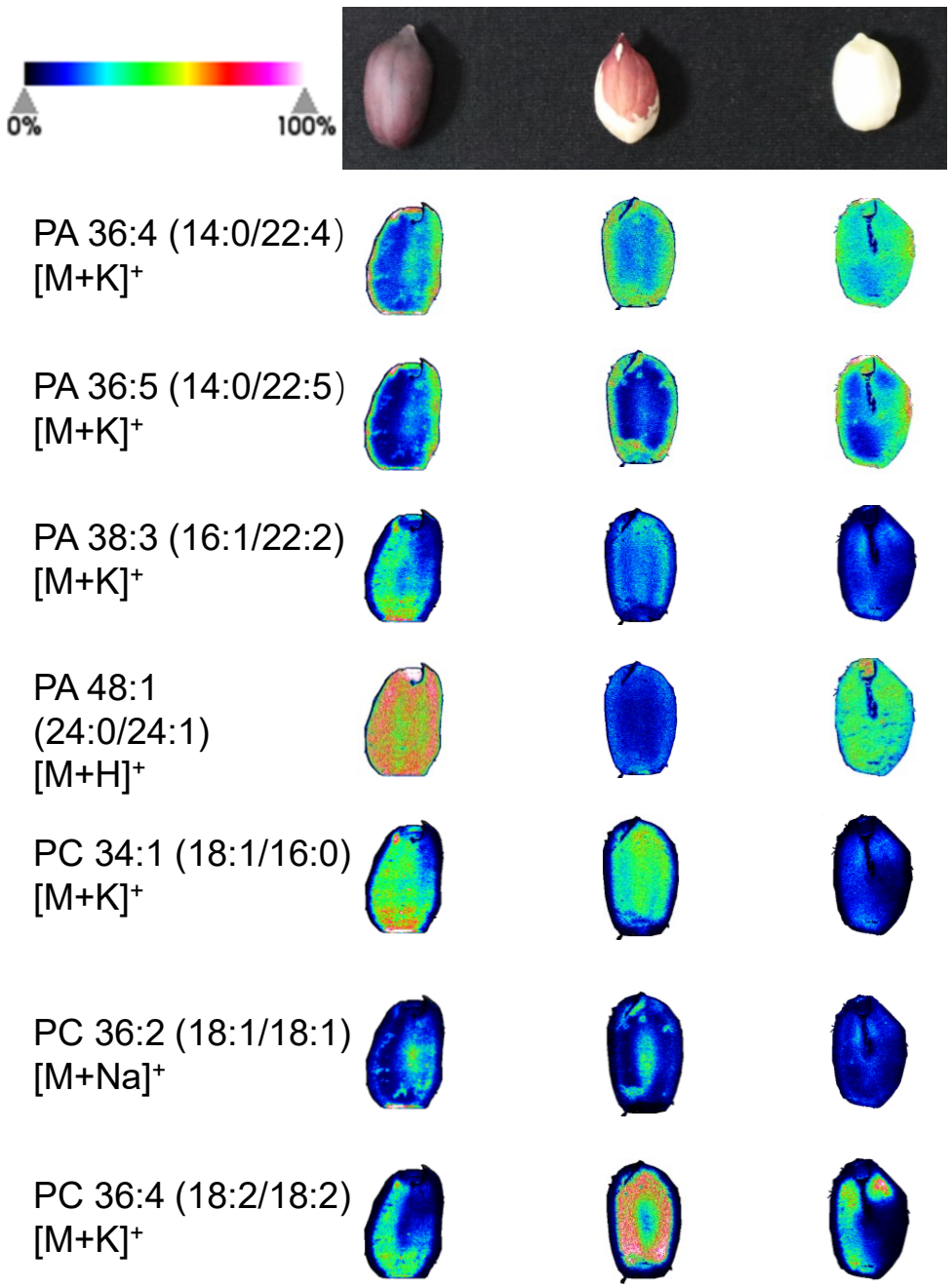

Figure S1. The mass spectrometry imaging of phosphatidic acid (PA) and phosphatidylcholine (PC) in peanut seeds with different testa color. The first row is the photo of peanut seeds for tissue slices, and the first column is the name for PA and PC. Green (minimum) to red (maximum) scale represent ion intensity corresponding to each lipid species determined by high resolution mass spectrometry. For the same lipid species, the signal range was normalized at the same level.

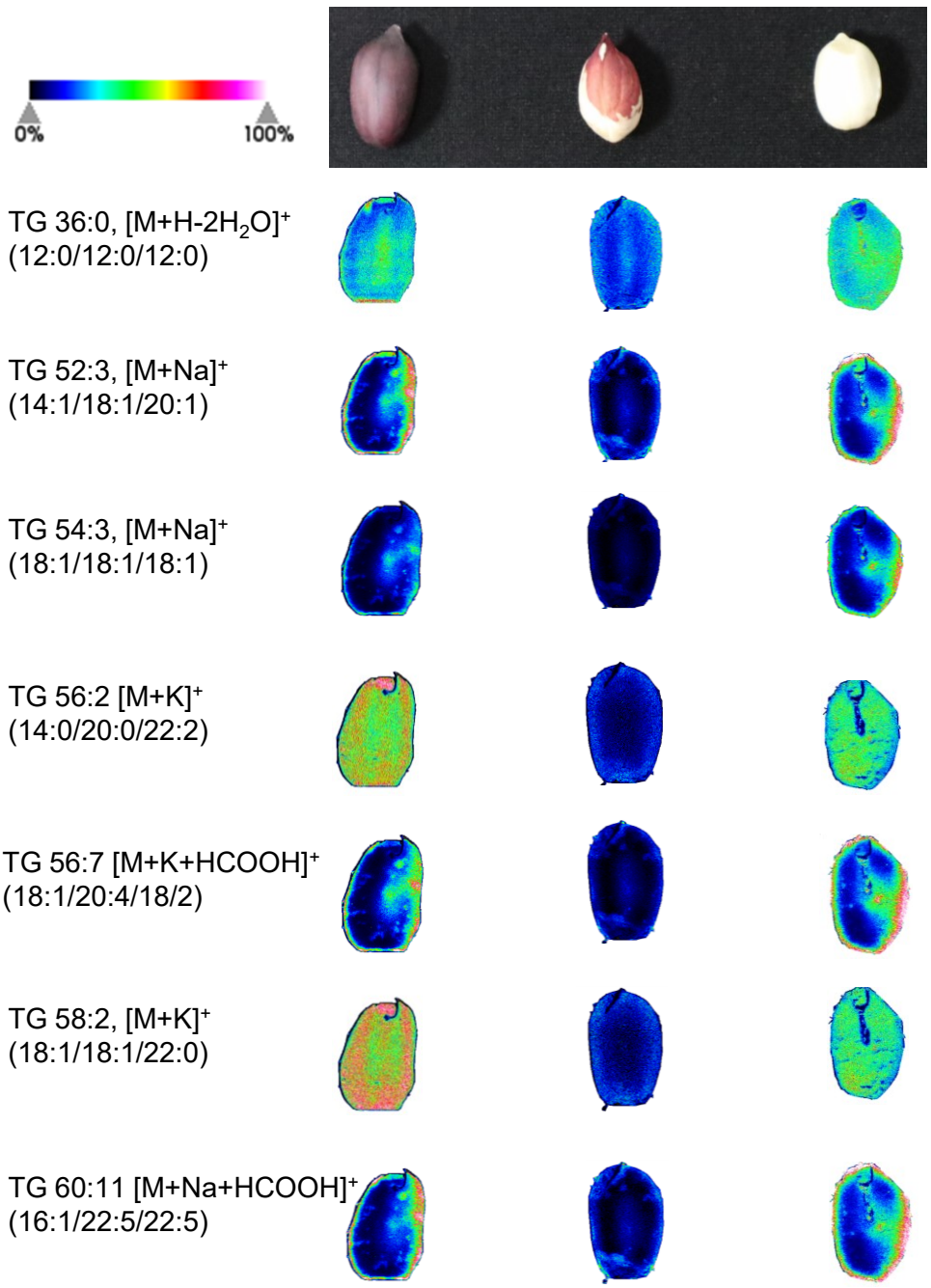

Figure S2. The mass spectrometry imaging of triacylglycerol (TG) in peanut seeds with different testa color. The first row is the photo of peanut seeds for tissue slices, and the first column is the name for TG. Green (minimum) to red (maximum) scale represent ion intensity corresponding to each lipid species determined by high resolution mass spectrometry. For the same TG individual, the signal range was normalized at the same level.