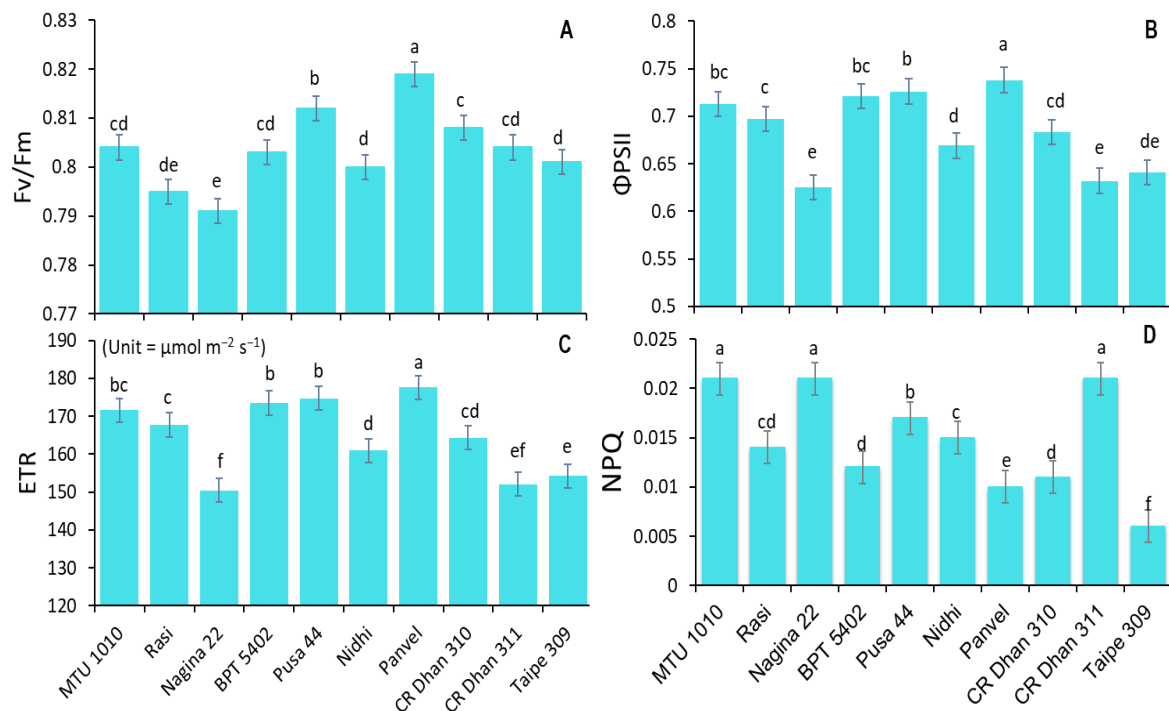
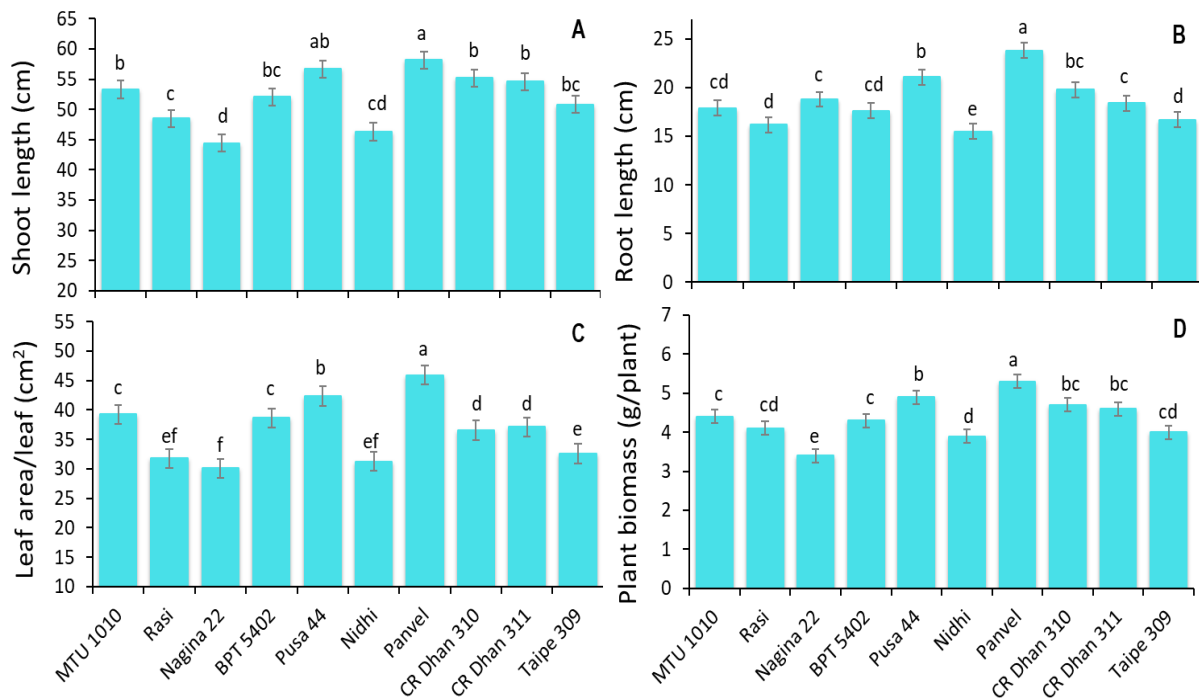


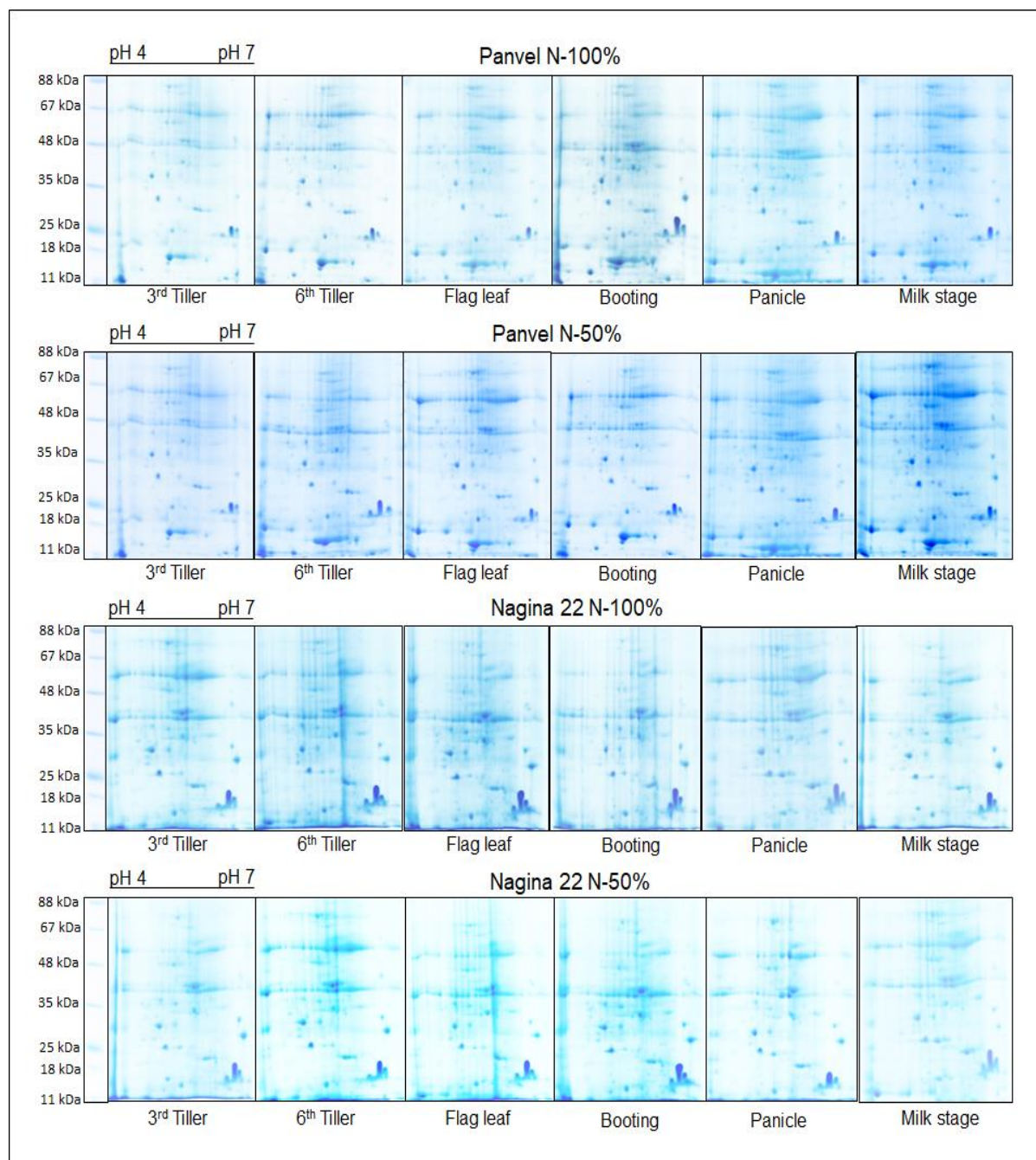
Supplementary Figures



Supplementary Figure S1. Measurement of chlorophyll fluorescence of photosystem II of ten rice cultivars at low-NPS supply. (A) Total photochemical quantum efficiency, (B) effective photochemical quantum efficiency, (C) electron transport rate, and (D) non-photochemical quenching. Graph bars are representing mean \pm SE with different letters denoting significant difference at $P < 0.05$.



Supplementary Figure S2. Measurement of plant growth traits of ten rice cultivars at low-NPS supply during screening. (A) Shoot and (B) root lengths were measured in centimeter by measuring-scale, (C) leaf area of 5th leaf was calculated in centimeter square and, (d) plant biomass was measured in gram per plant. Graph bars are representing mean \pm SE with different letters denoting significant difference at < 0.05 .



Supplementary Figure S3. Representation of 2-DE maps of leaf proteome of six specific growth stages of rice cultivar Panvel and Nagina 22 at optimum (100%) and low (50%) nitrogen supply.