



Additional file 1 Distributions of the panicle size of 205 varieties and 45 selected varieties. Black bar and grey bar indicate total varieties and selected varieties, respectively. Eight representative varieties were sequenced to find sequence variants in coding region of *MOC1* gene (red triangle). Representative varieties are DL 1, Sindongjin, Deshi Boro, Cibogo, Hangangchal 1, Kashmir Basmati, Calotoc, and Kiwisan from the left