Description of additional supplementary items

All 5 supplementary data files are included in the Excel file.

Supplementary Data 1: Elite 2-row spring cultivars included in GWAS and sequenced for

HvHKT1;5

Supplementary Data 2: Gene models in region identified on 4H as being significantly

associated with grain Na⁺ content

Supplementary Data 3: H. spontaneum and H. vulgare landrace HvHKT1;5 genotypic data

Supplementary Data 4: Primers used for Sanger sequencing, qPCR and In-situs.

Supplementary Data 5: Na⁺ contents of 5th leaf material from 0mM, 150mM and 250mM

NaCl treated plants.