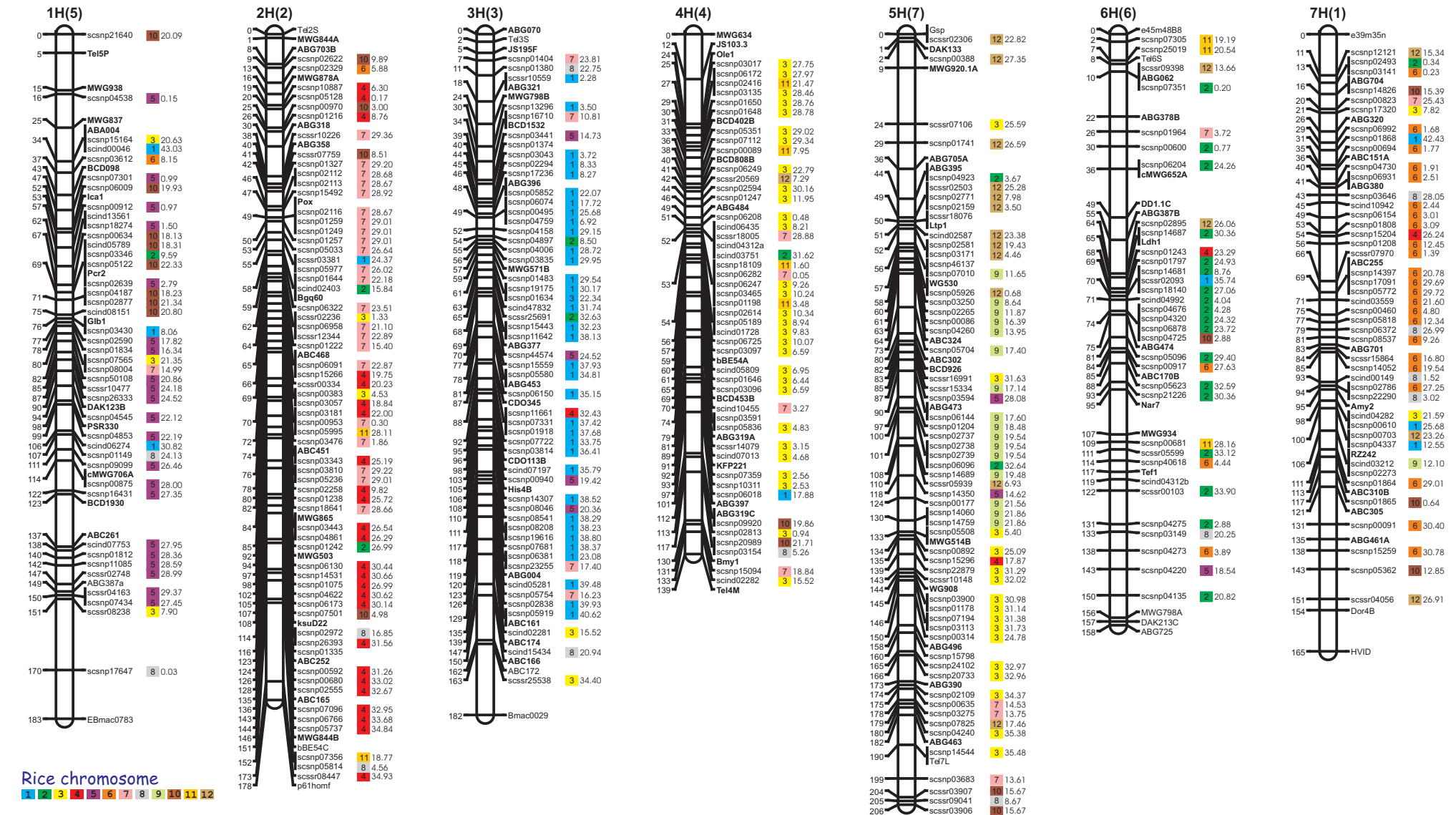


Integrated linkage map of 333 barley sequence-based loci (Rostoks et al. 2005). Mapping was done in Oregon Wolfe Barley Dominant x Recessive, Steptoe x Morex minimapper and Lina x HS92 DH populations (Costa et al. 2001; Kleinhofs and Graner 2001; Ramsay et al. 2000). Linkage maps for individual populations and the integrated map shown below was calculated using JoinMap 3.0. The map is based on 1237 loci. BIN markers (Kleinhofs and Graner, 2001; shown in bold) are included to facilitate comparison with other barley maps. Names of the loci consist of the HarvEST assembly #21 unigene number preceded by letters indicating type of the polymorphism used to map the locus (scsnp, scssr or scind).

Syntenous relationships with rice were explored by comparing HarvEST unigene sequences with the TIGR rice pseudomolecule 3 gene models using BLASTX. The best rice BLASTX hits and their chromosome locations in megabases are aligned along the barley chromosomes. All rice hits have E-value threshold better than e^{-20} .



Rice chromosome

