

**Additional file 3.** The results of genotyping of the mapping population (Oregon Wolfe Barleys, OWB) for molecular mapping of barley genes: A – *HvMyc2* B – *HvMpc2* C – *HvF3'5'H*. Amplified fragments of the mapping population individuals were digested with restriction endonucleases *Bse1* I, *Hga* I and *EcoR* I respectively (CAPS-analysis). DOM and REC are the parental lines.

