

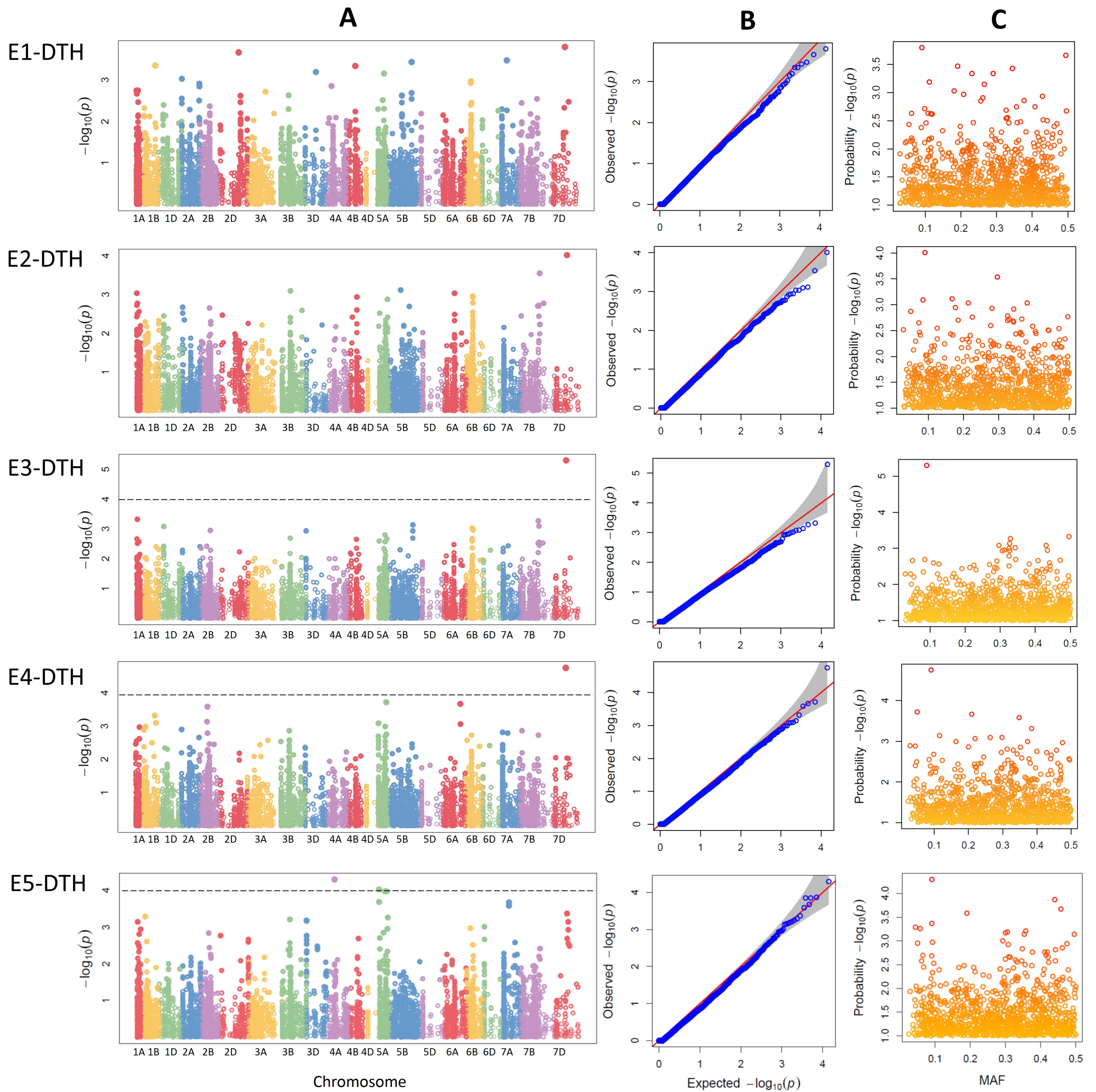


Figure S5-1:(A) Manhattan plot, (B) Q-Q plot and (C) MAF for Days to Heading (DTH)



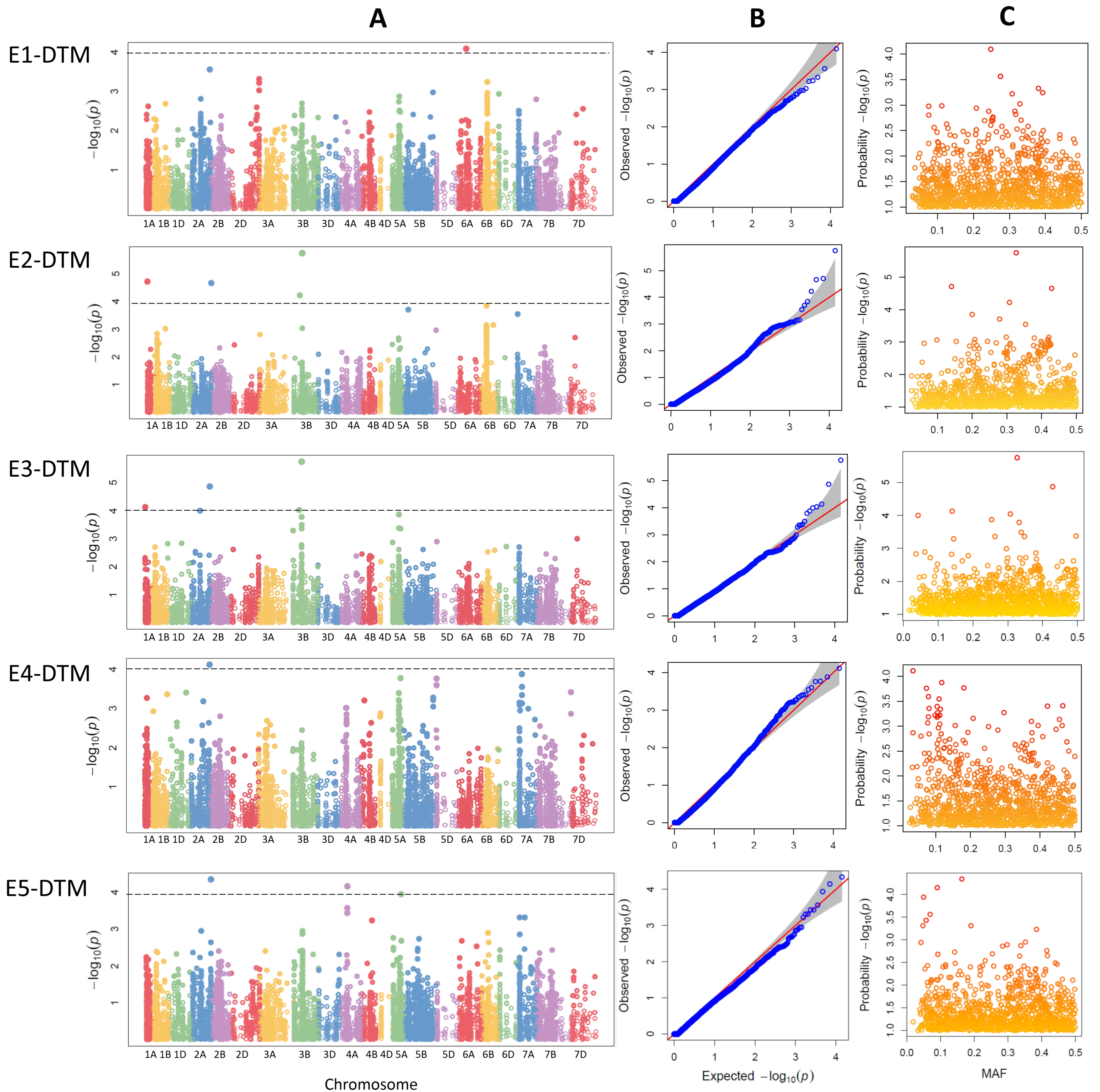


Figure S5-2: (A) Manhattan plot, (B) Q-Q plot and (C) MAF for Days to Maturity (DTM)



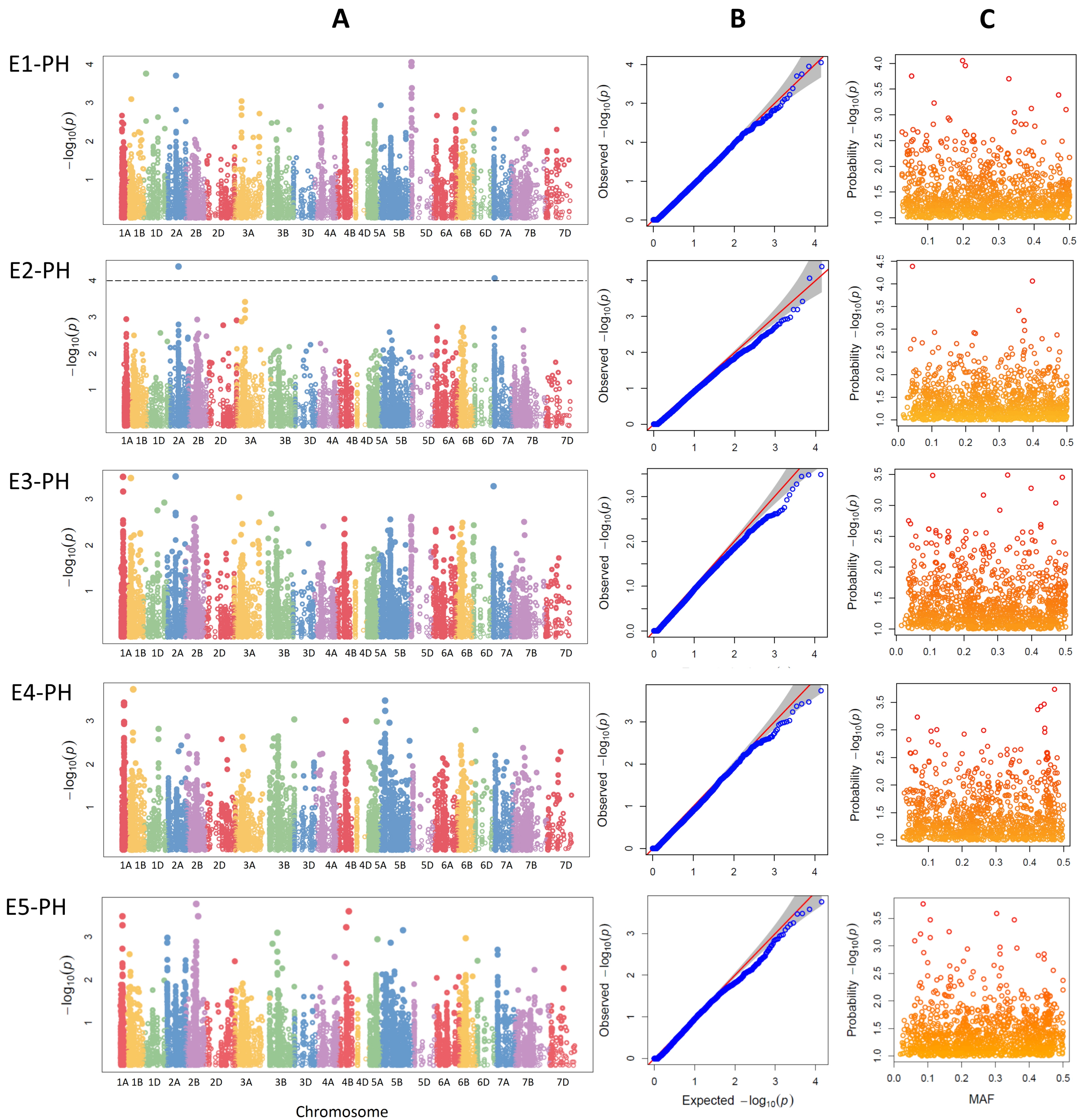


Figure S5-3:(A) Manhattan plot, (B) Q-Q plot and (C) MAF for Plant Height (PH)



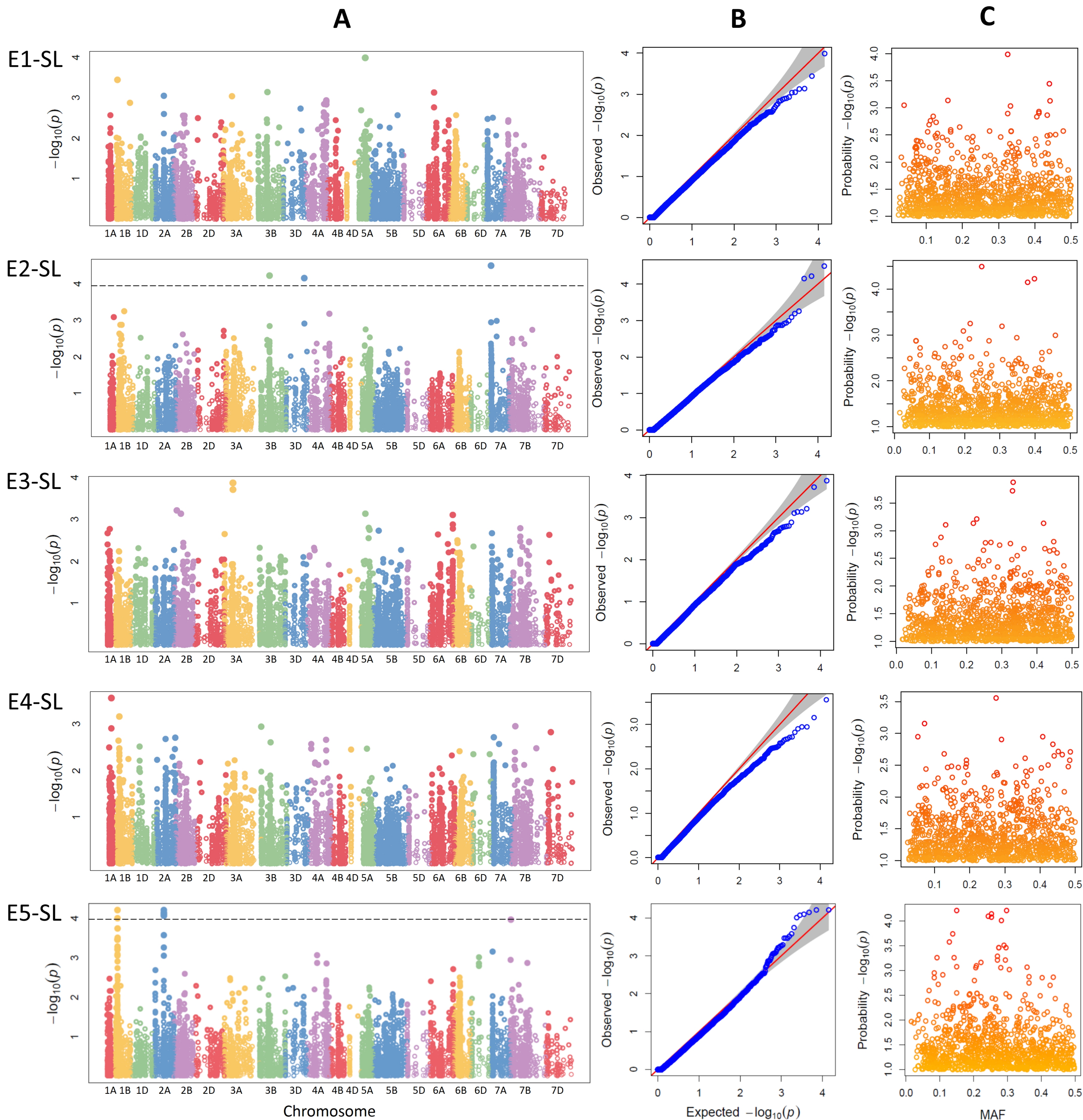


Figure S5-4:(A) Manhattan plot, (B) Q-Q plot and (C) MAF for Spike Length (SL)



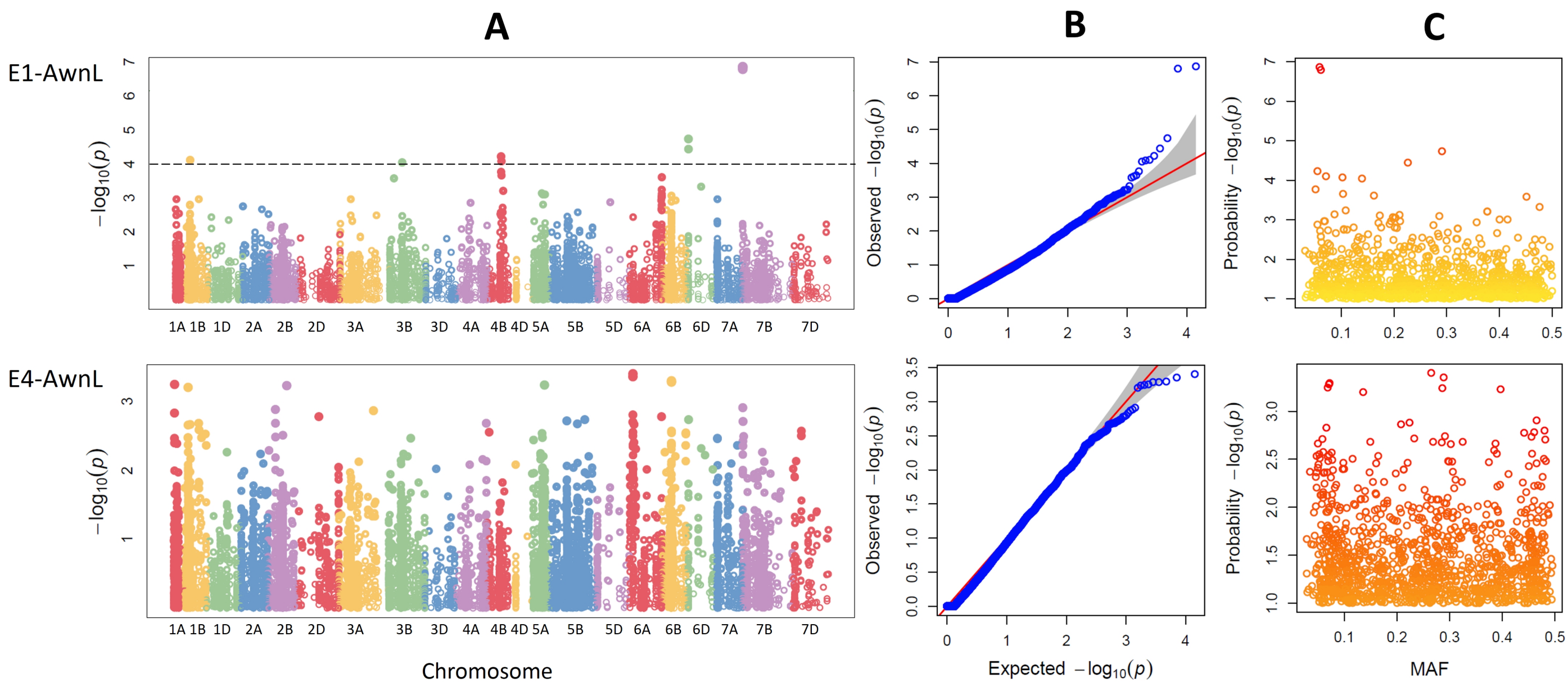


Figure S5-5: (A) Manhattan plot, (B) Q-Q plot and (C) MAF for Awn Length (AwnL)

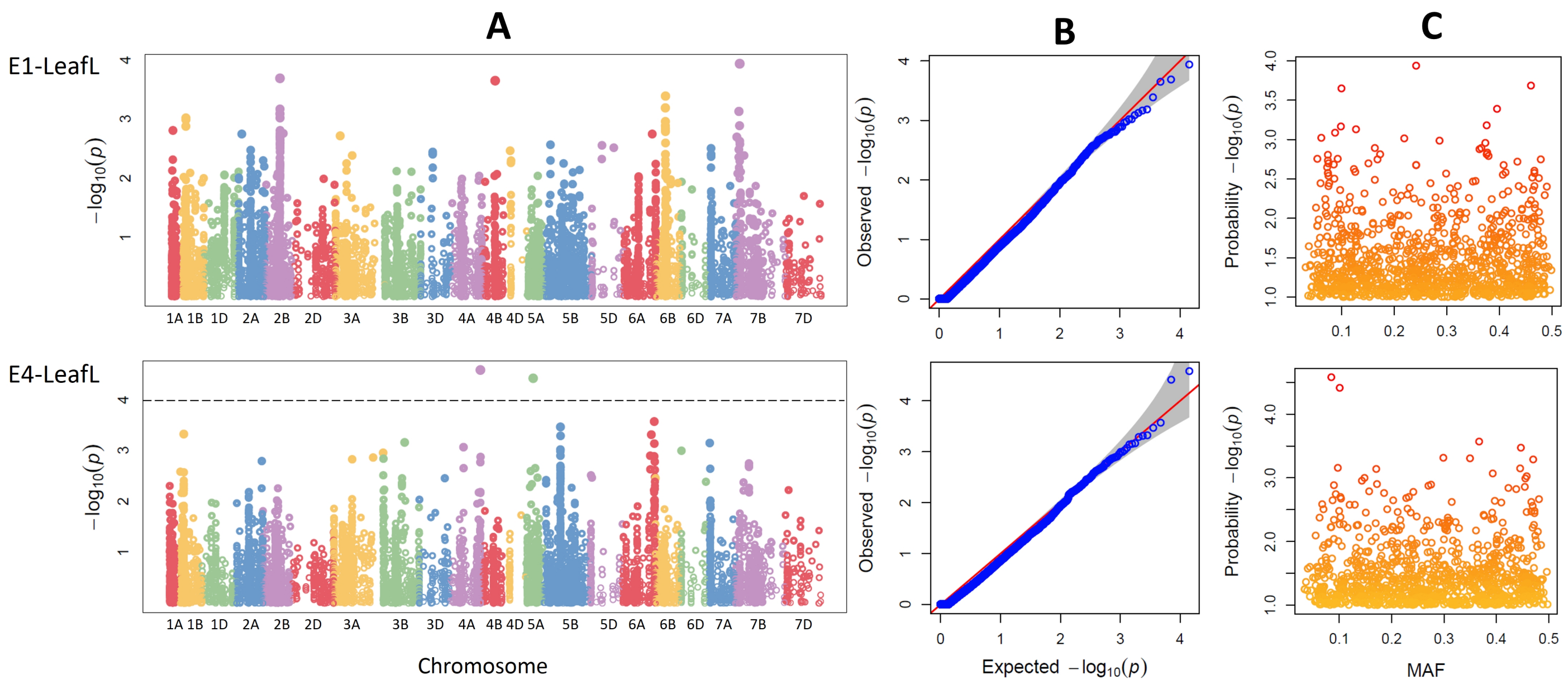


Figure S5-6: (A) Manhattan plot, (B) Q-Q plot and (C) MAF for Leaf Length (LeafL)