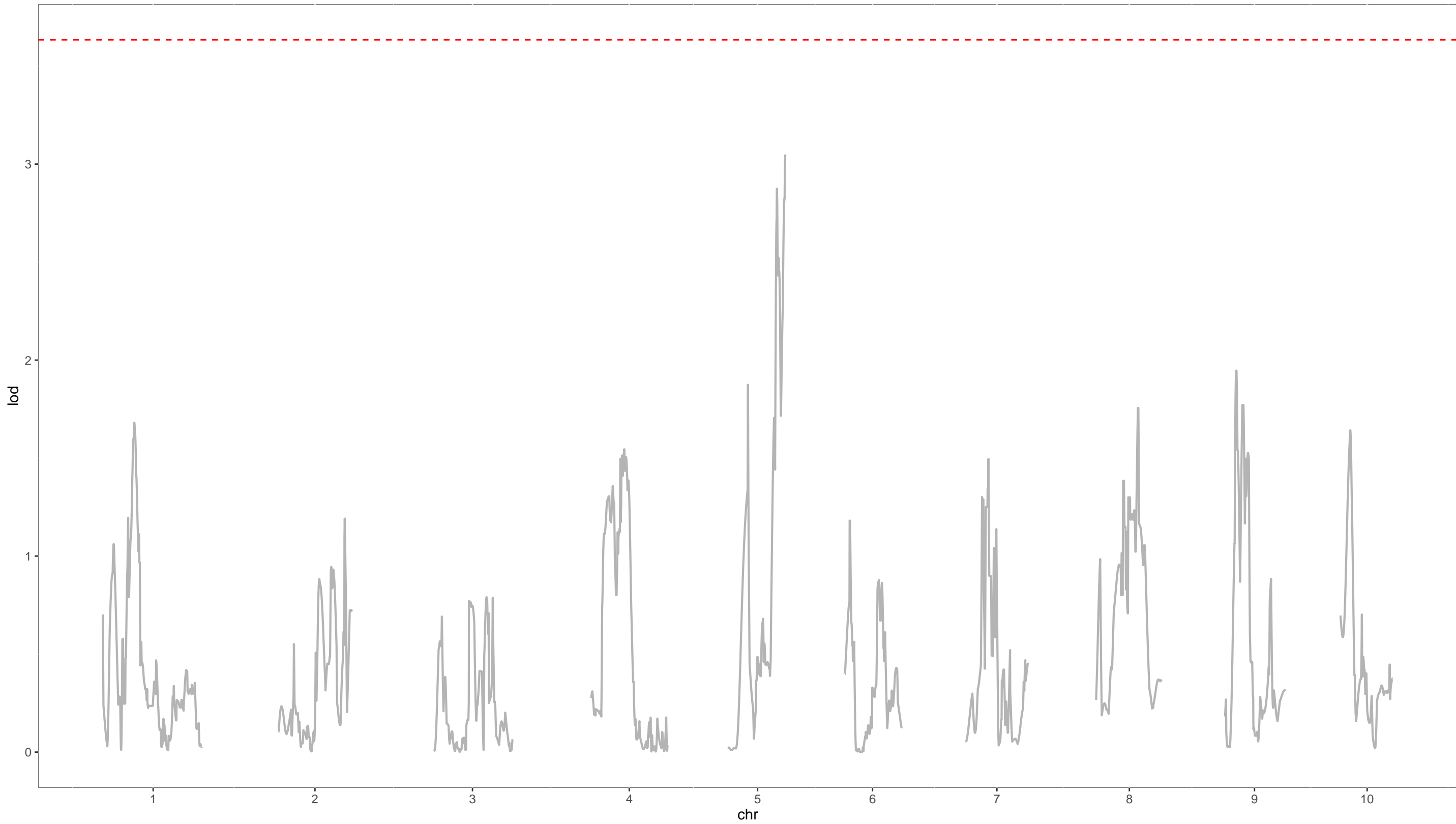
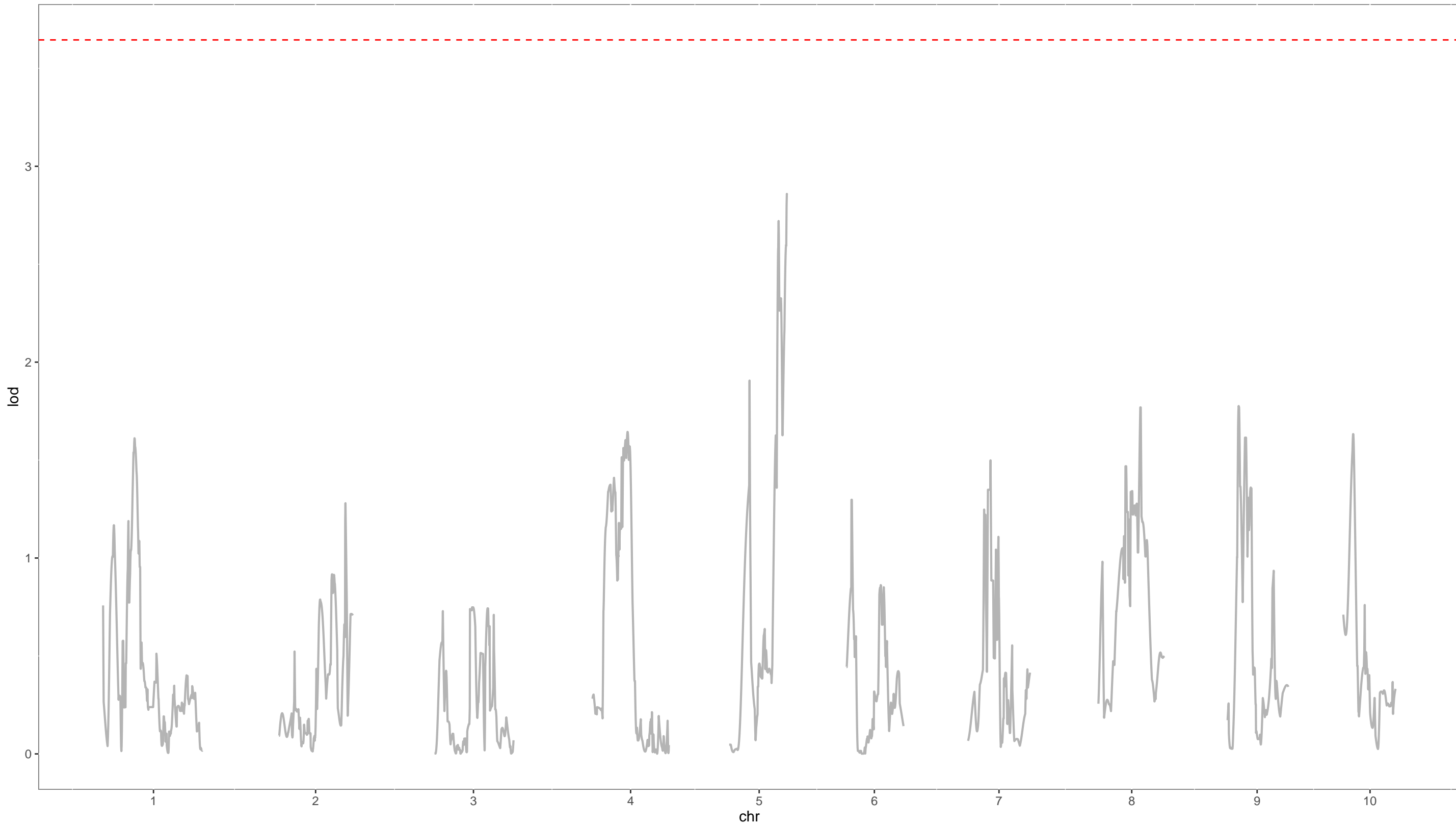


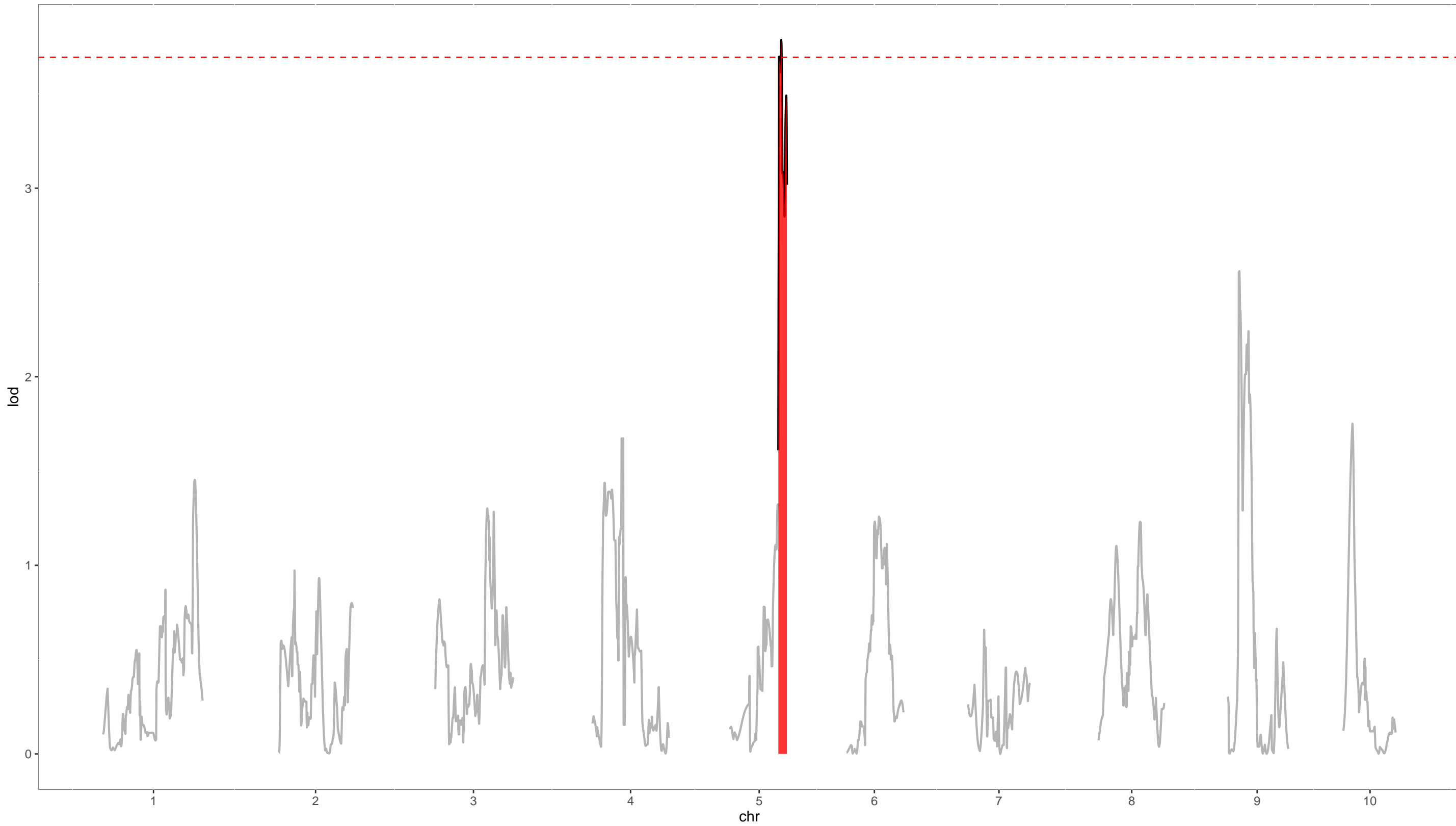
QTL analysis for int_additive covariate for AI_leaf



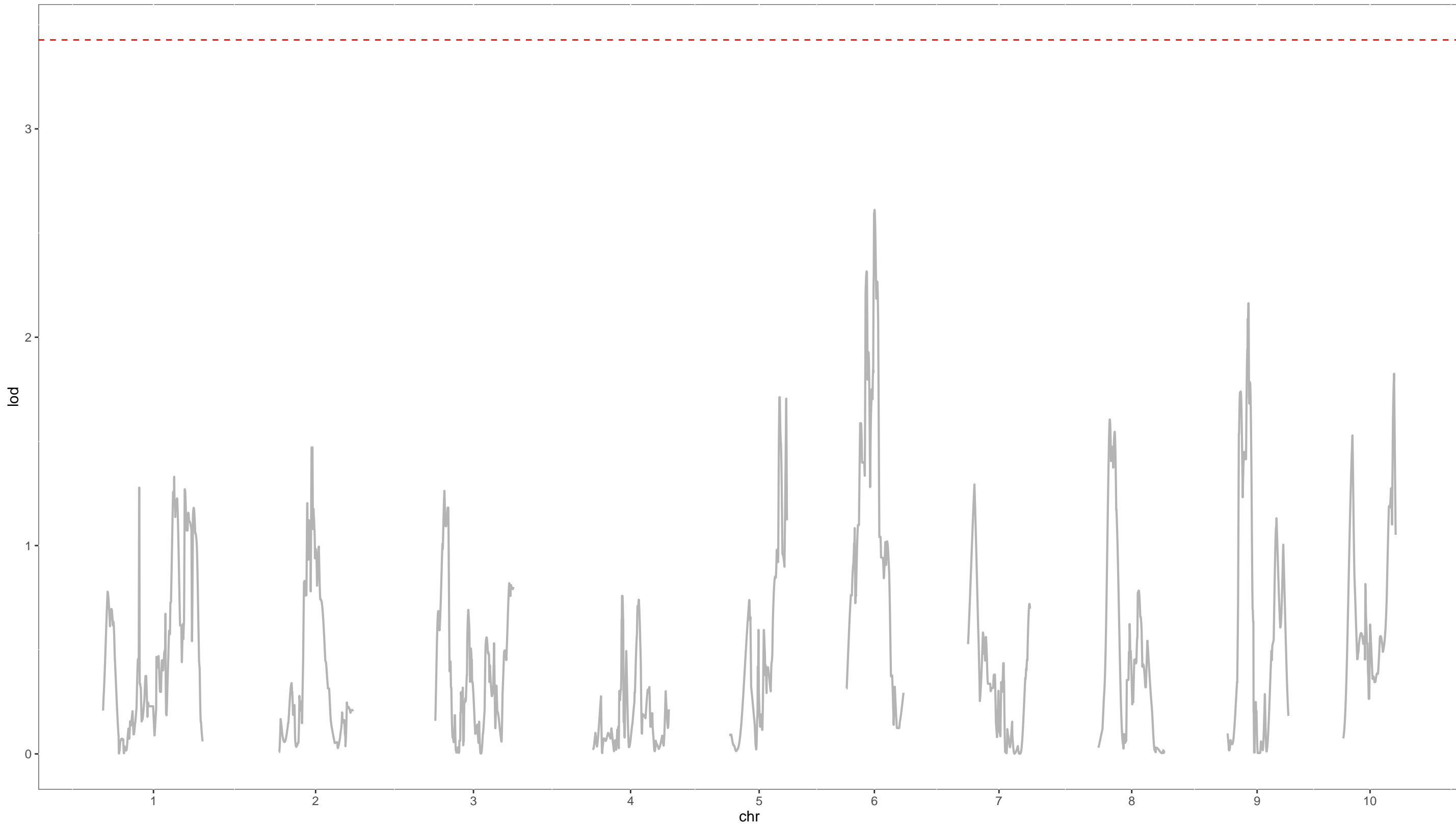
QTL analysis for int_additive covariate for AI_mean



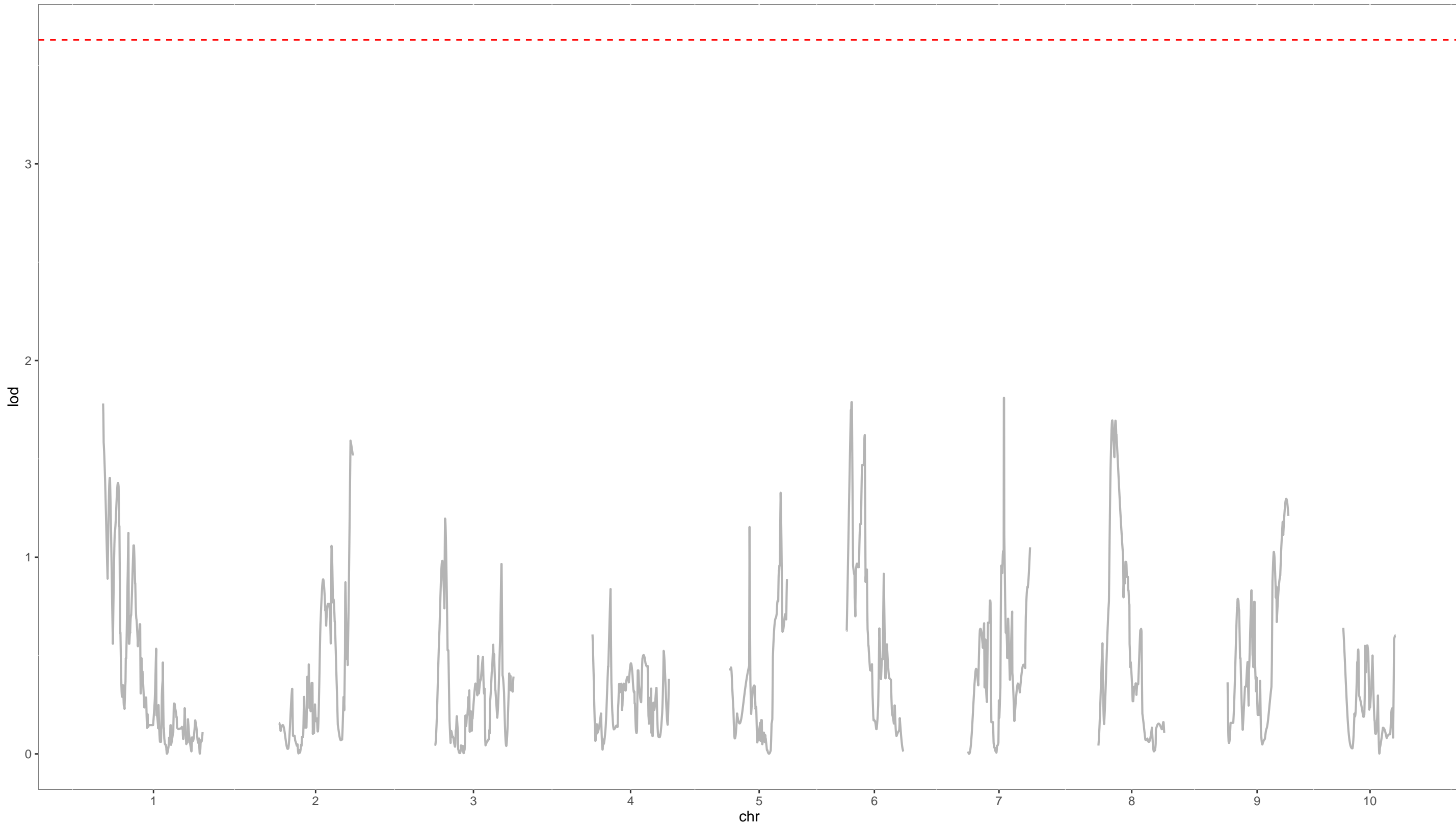
QTL analysis for int_additive covariate for AI_ratio



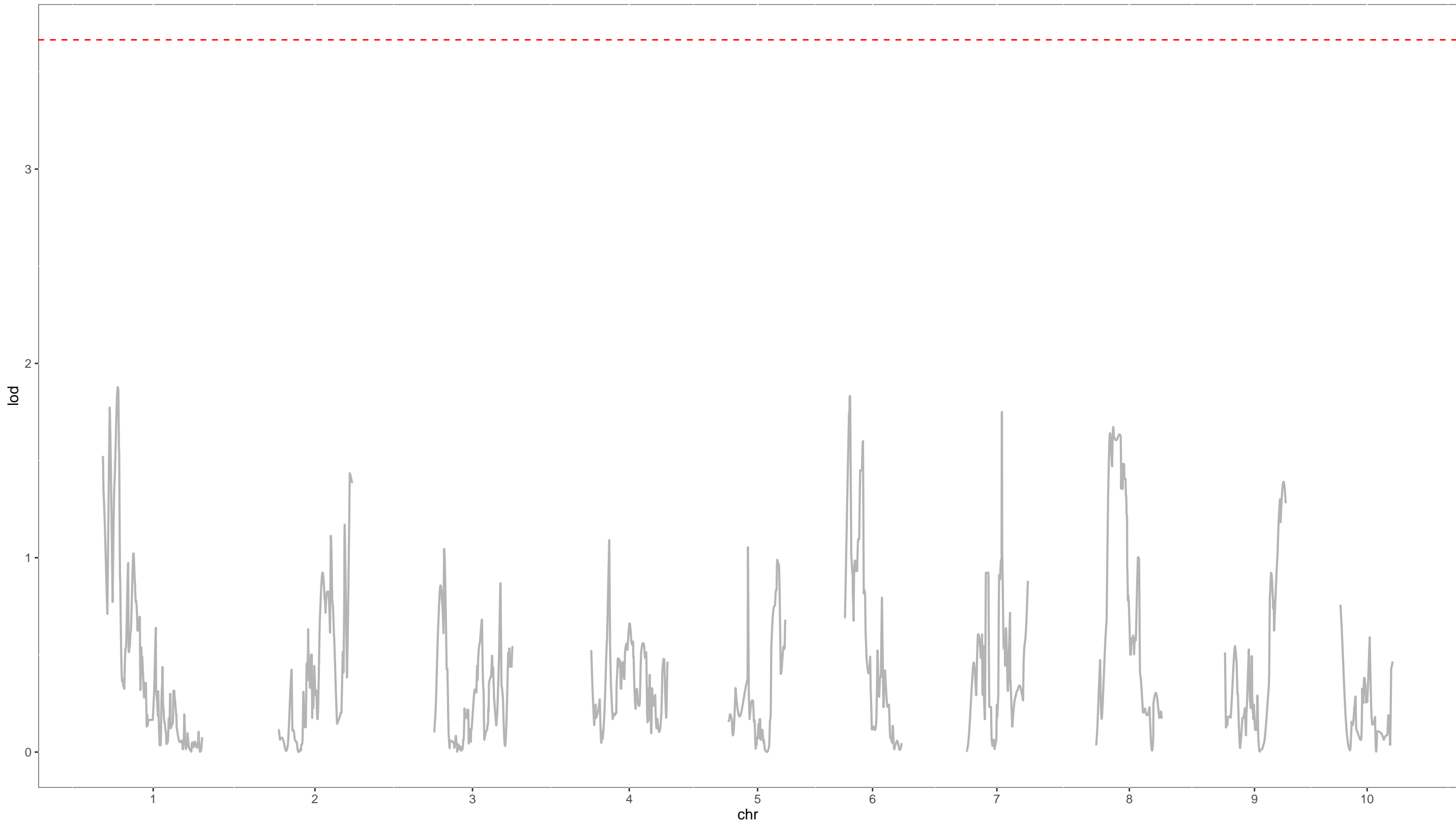
QTL analysis for int_additive covariate for AI_seed



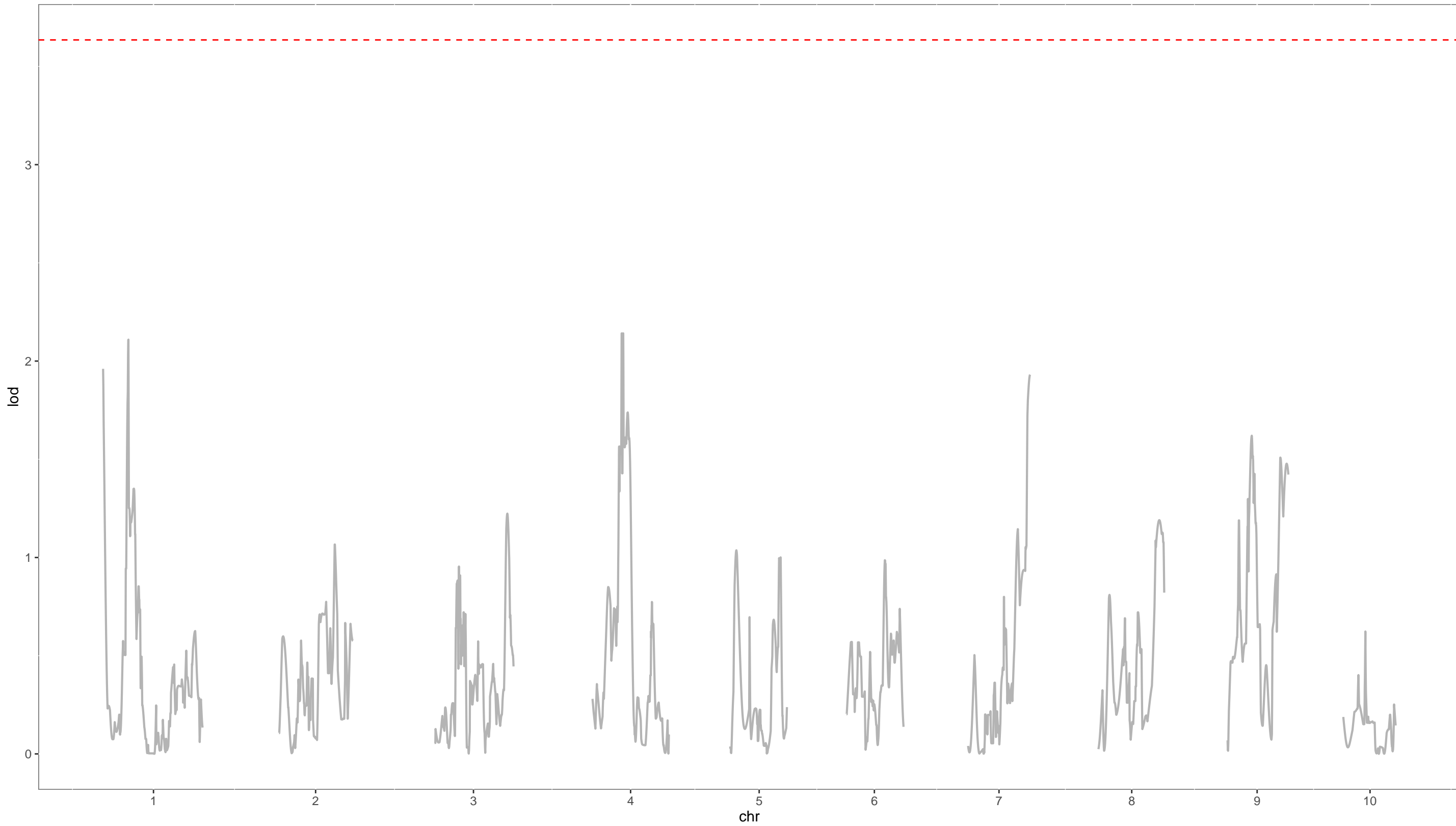
QTL analysis for int_additive covariate for As_leaf



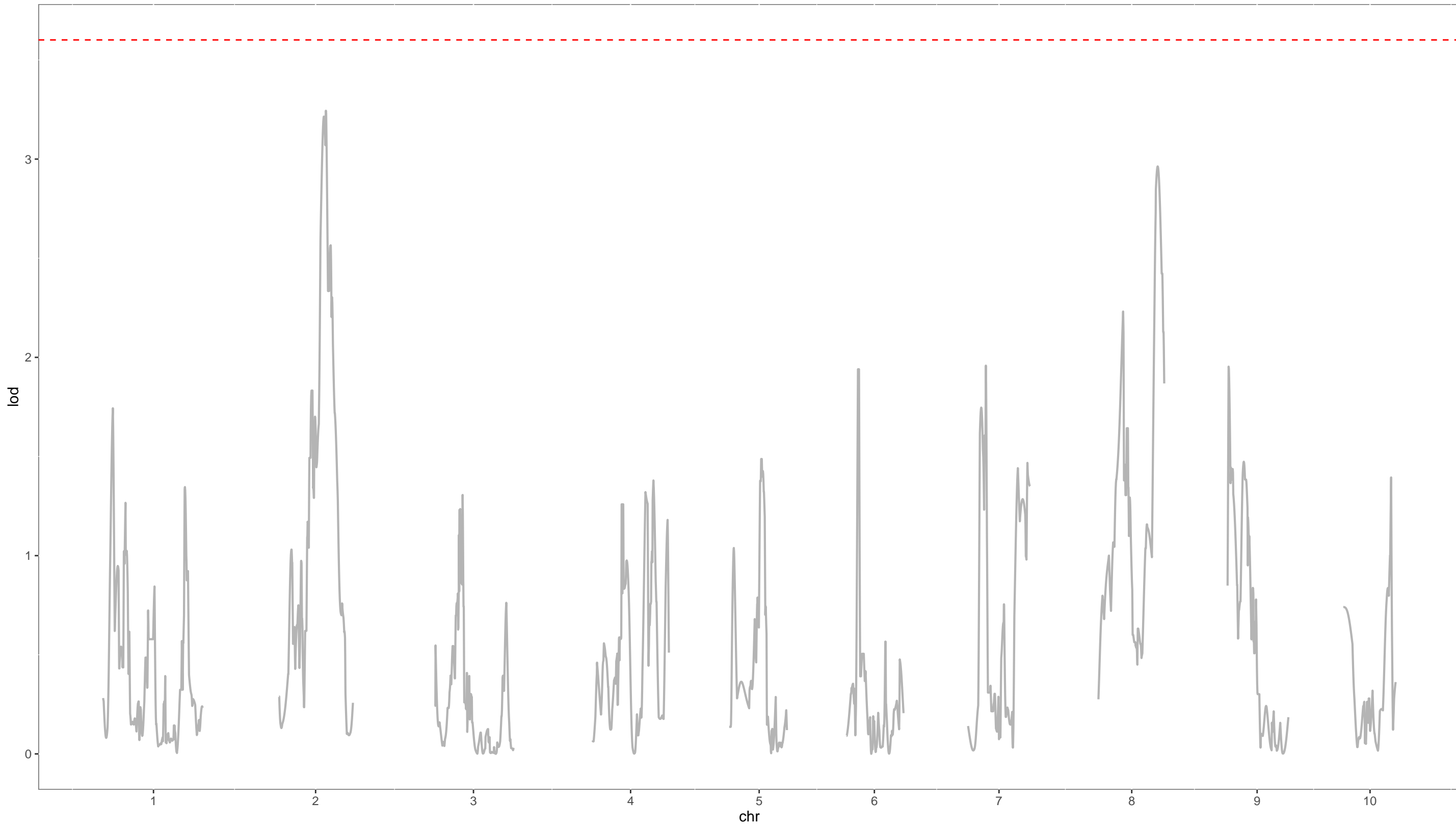
QTL analysis for int_additive covariate for As_mean



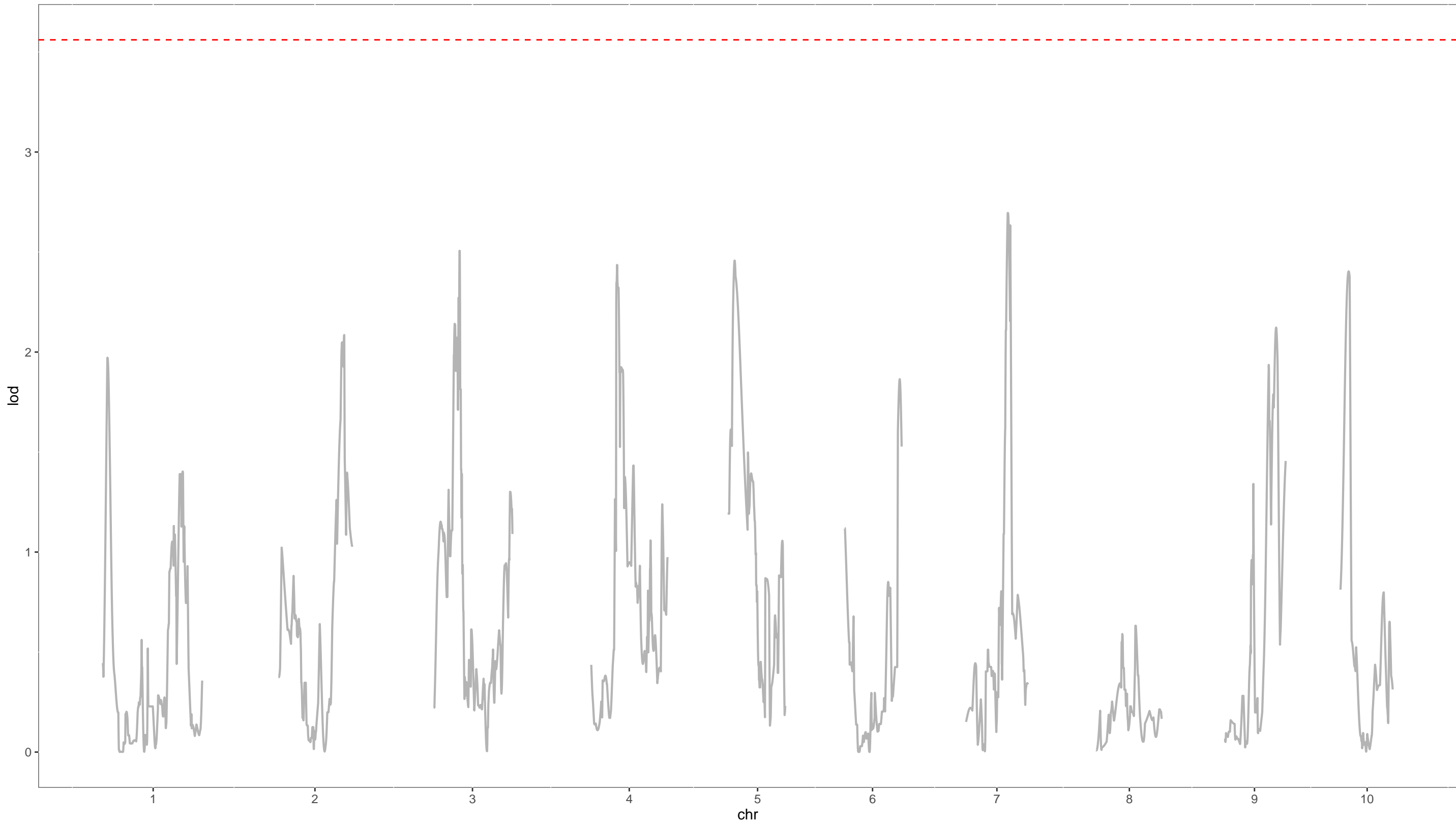
QTL analysis for int_additive covariate for As_ratio



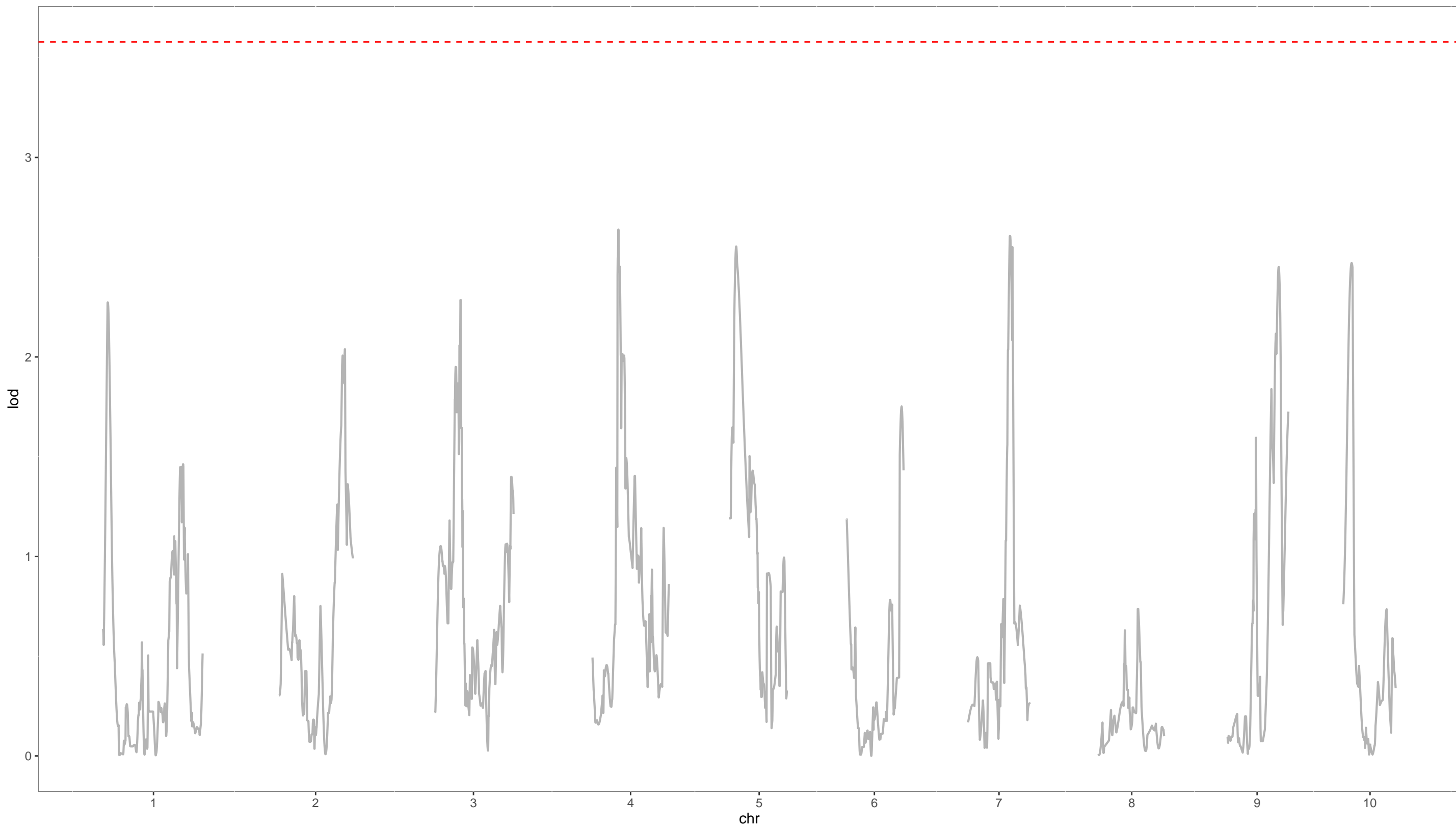
QTL analysis for int_additive covariate for As_seed



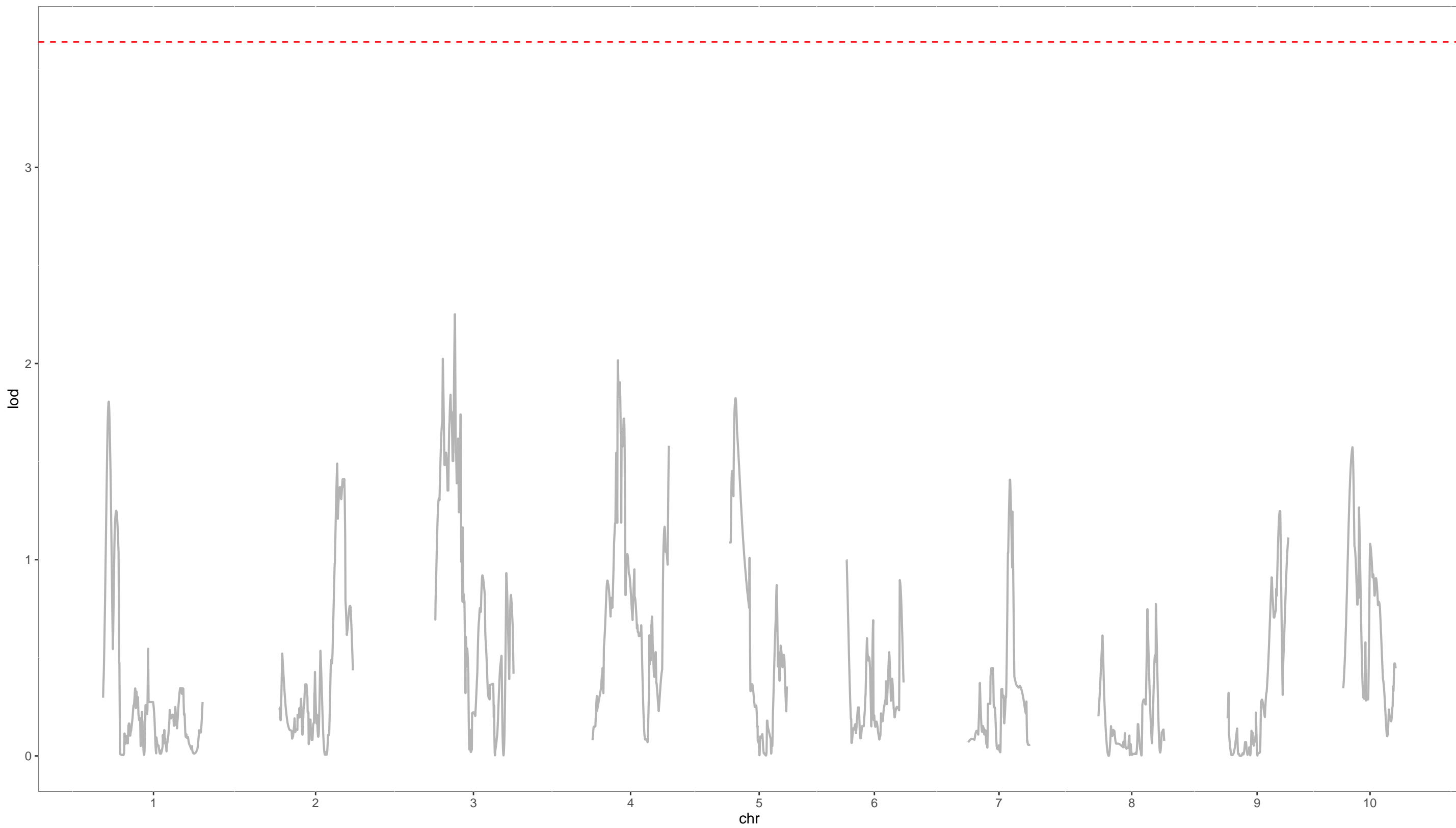
QTL analysis for int_additive covariate for B_leaf



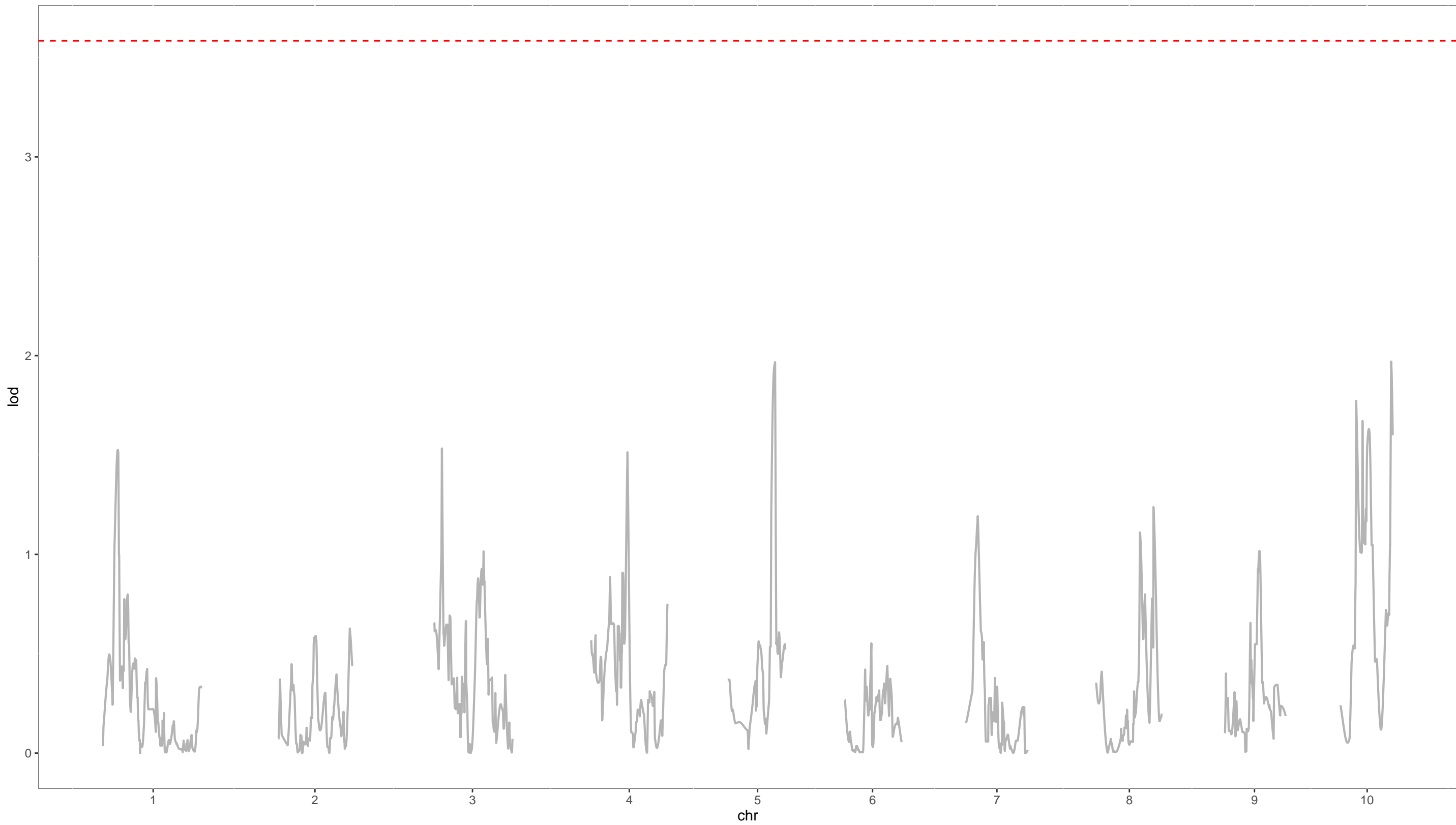
QTL analysis for int_additive covariate for B_mean



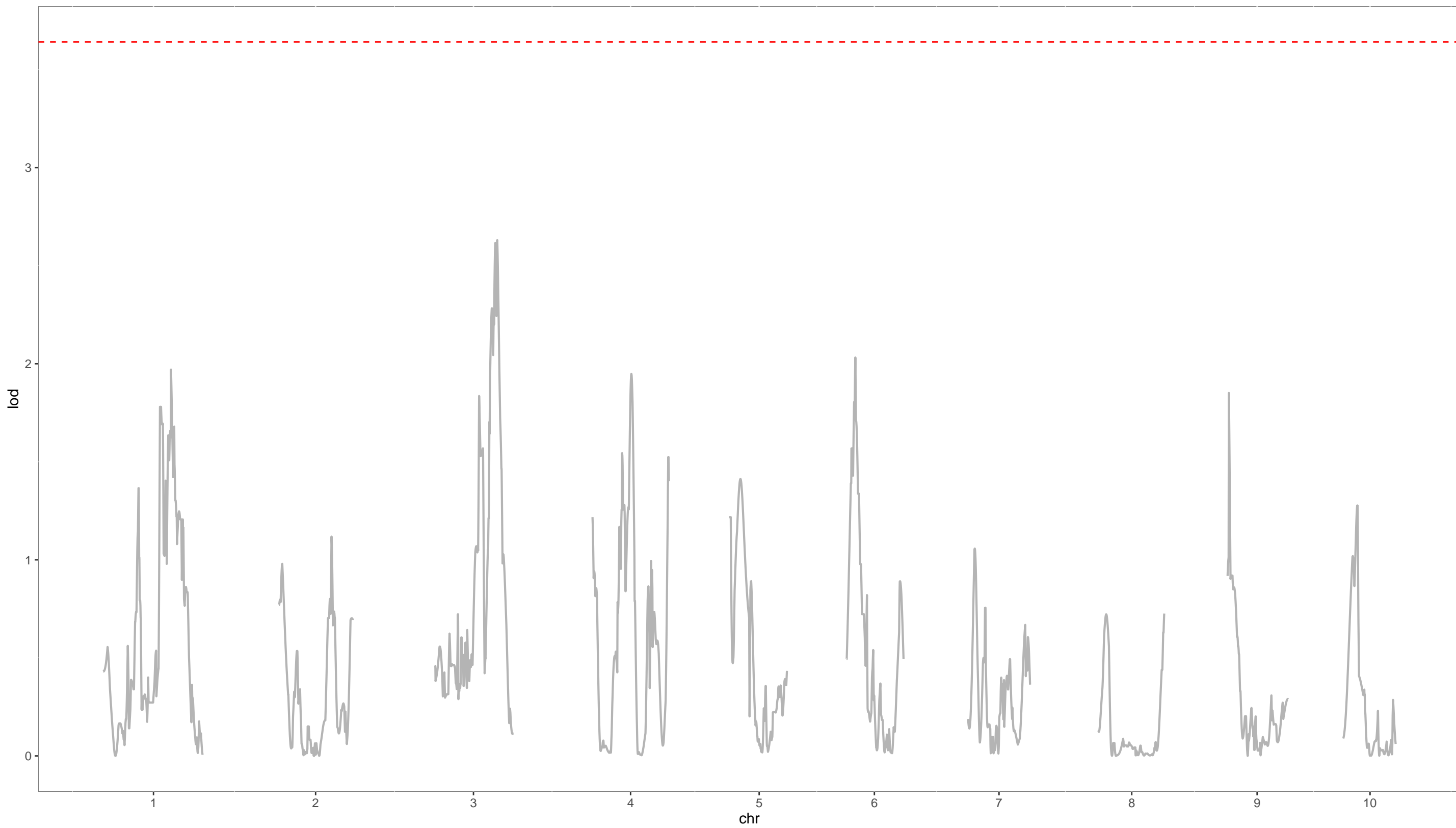
QTL analysis for int_additive covariate for B_ratio



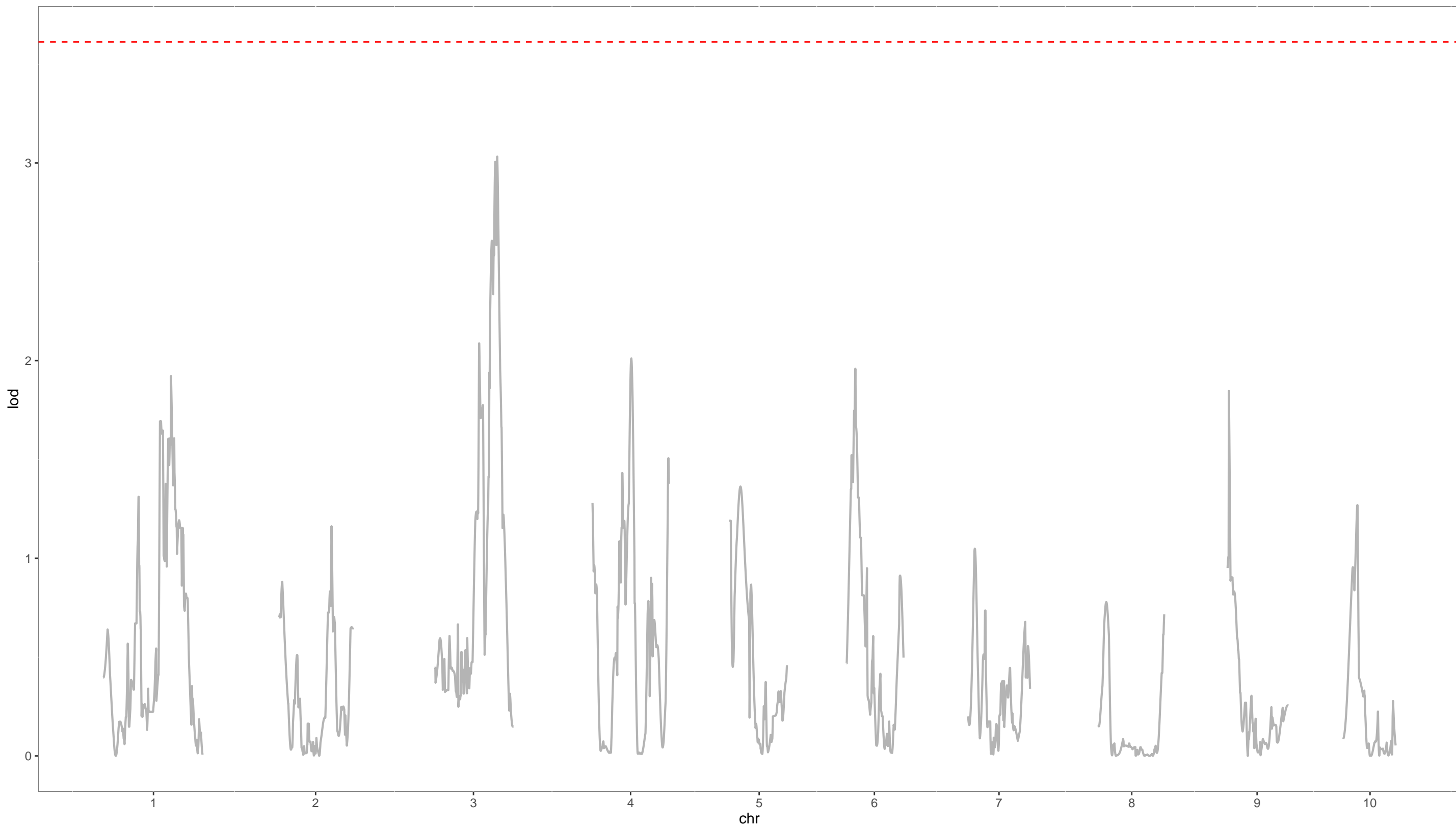
QTL analysis for int_additive covariate for B_seed



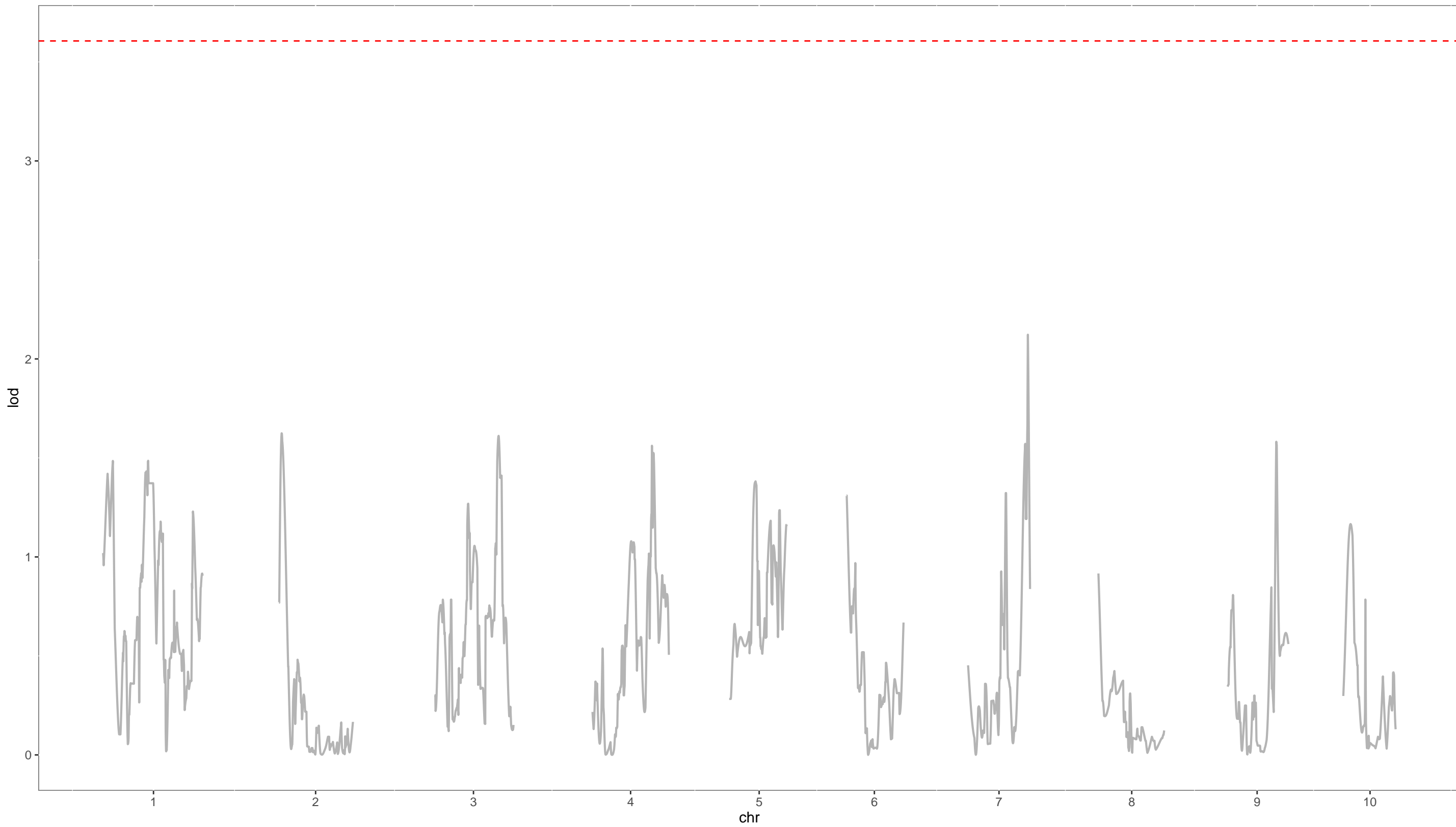
QTL analysis for int_additive covariate for Ca_leaf



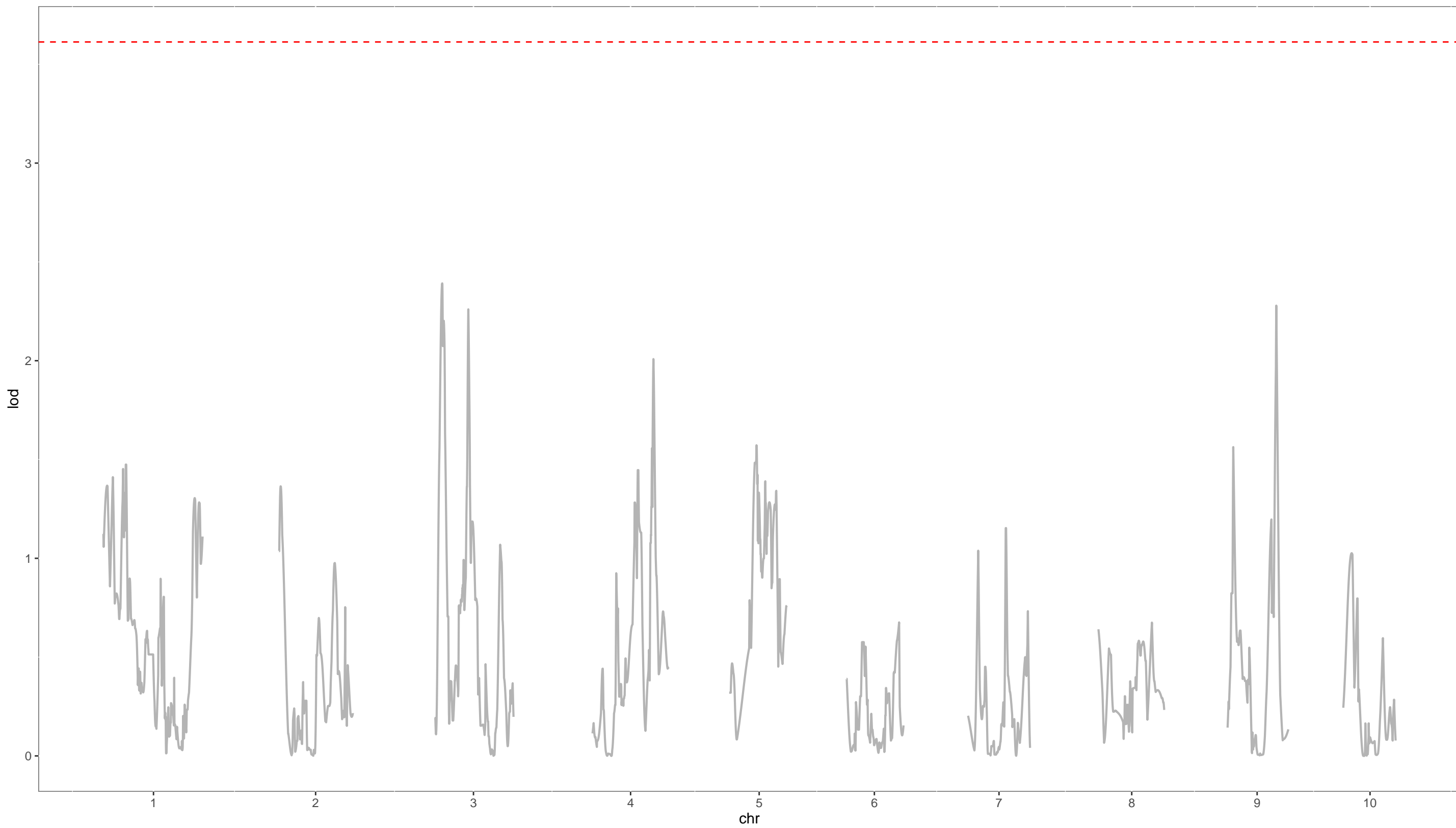
QTL analysis for int_additive covariate for Ca_mean



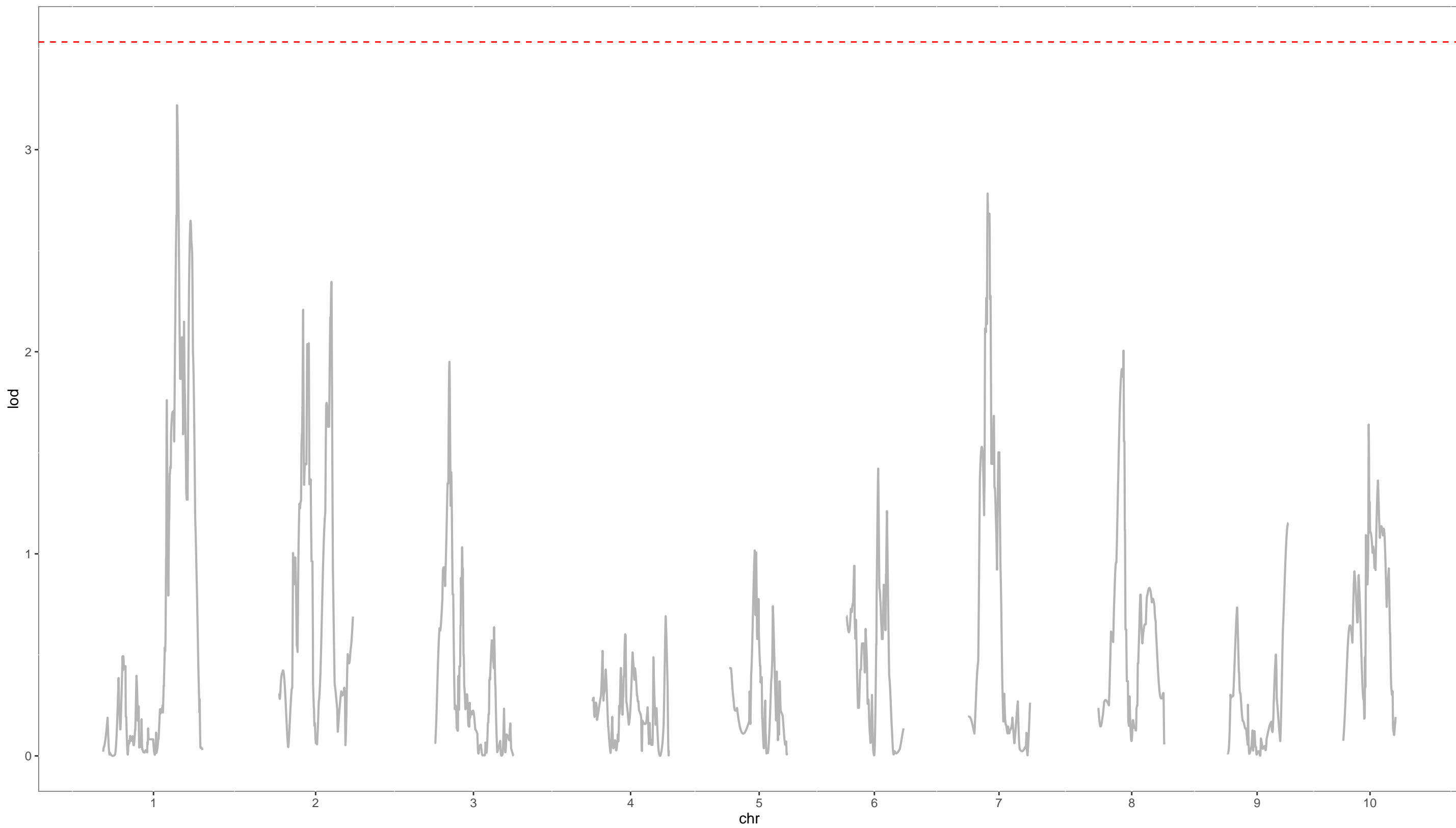
QTL analysis for int_additive covariate for Ca_ratio



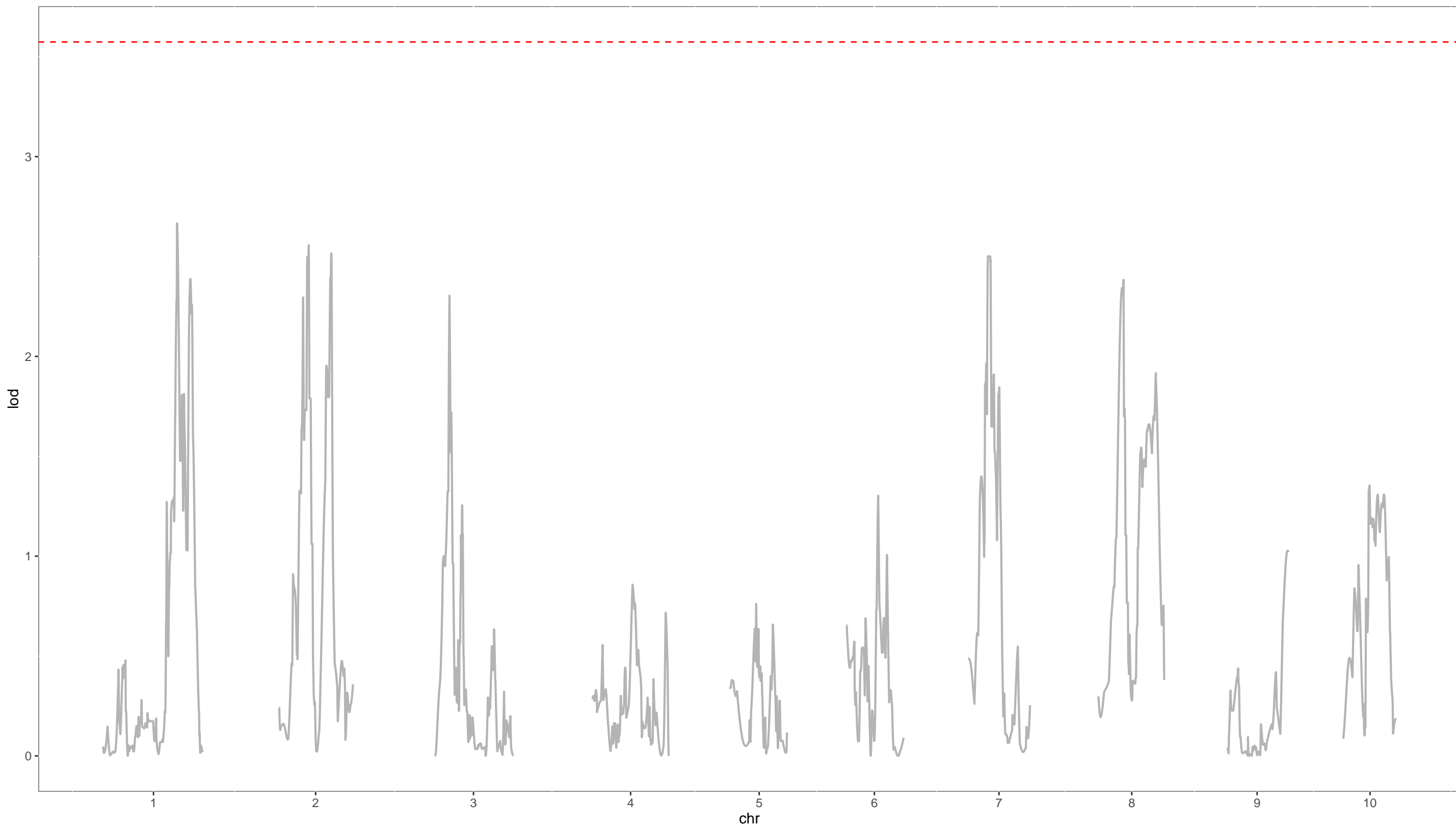
QTL analysis for int_additive covariate for Ca_seed



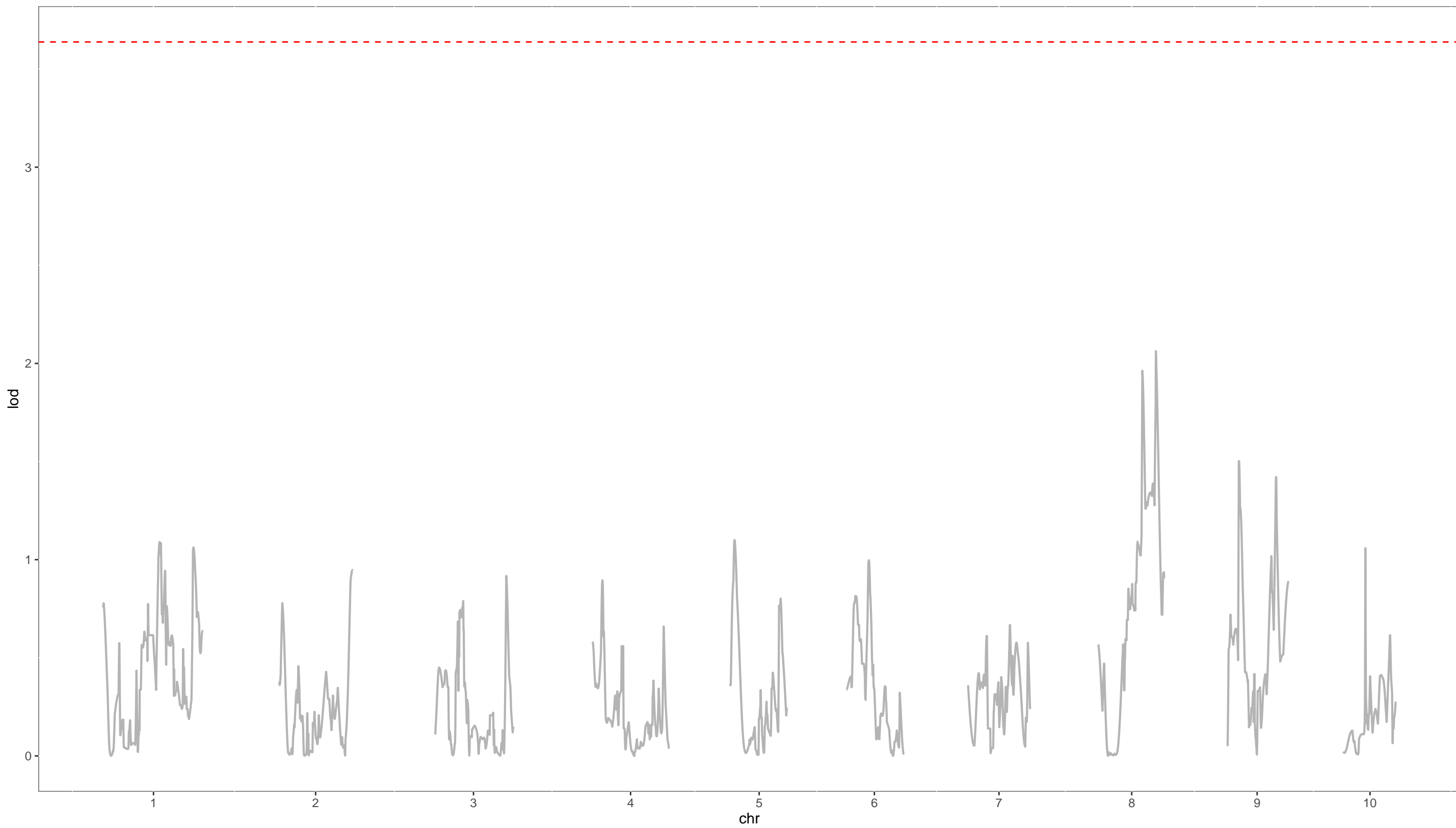
QTL analysis for int_additive covariate for Cd_leaf



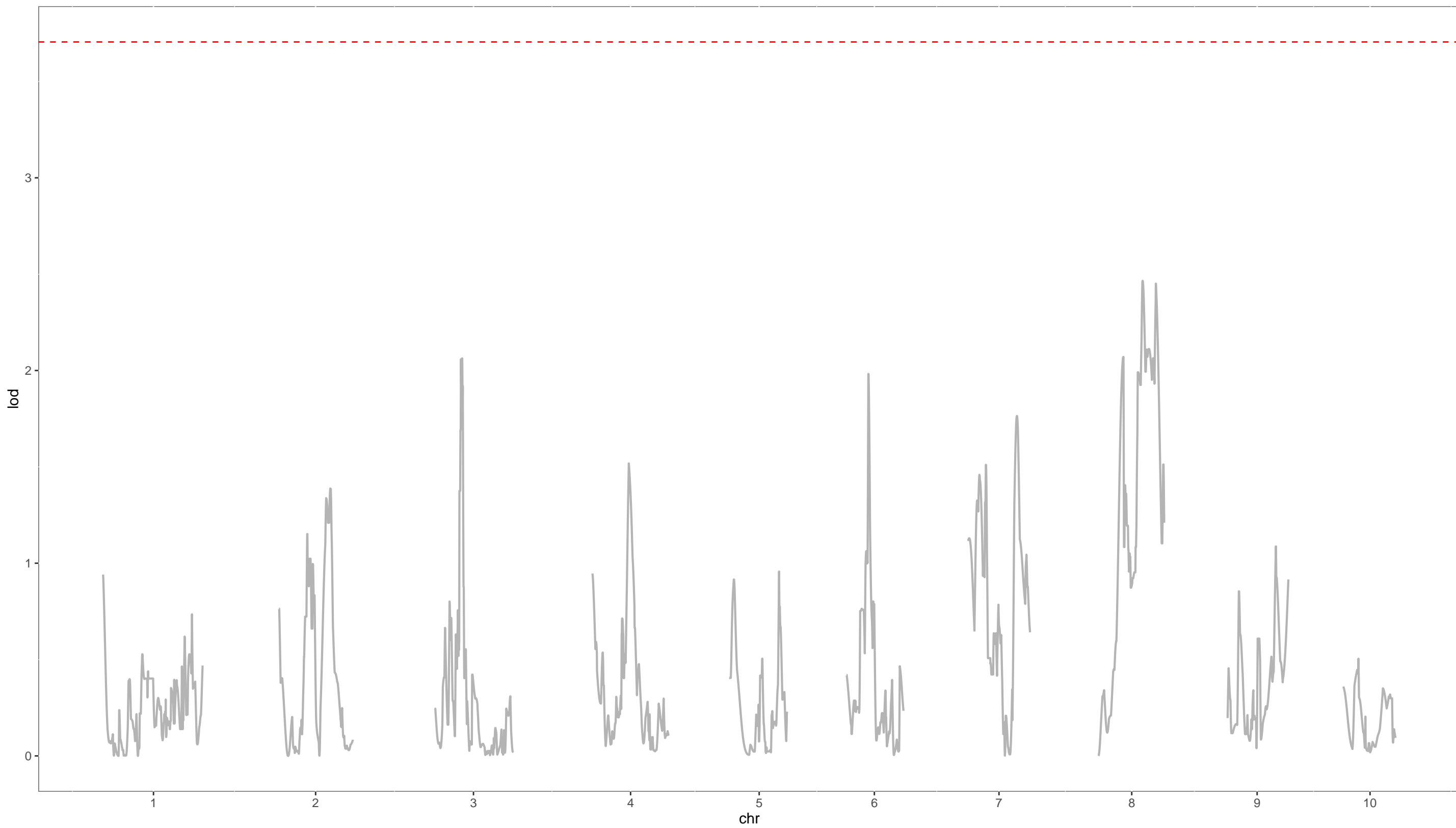
QTL analysis for int_additive covariate for Cd_mean



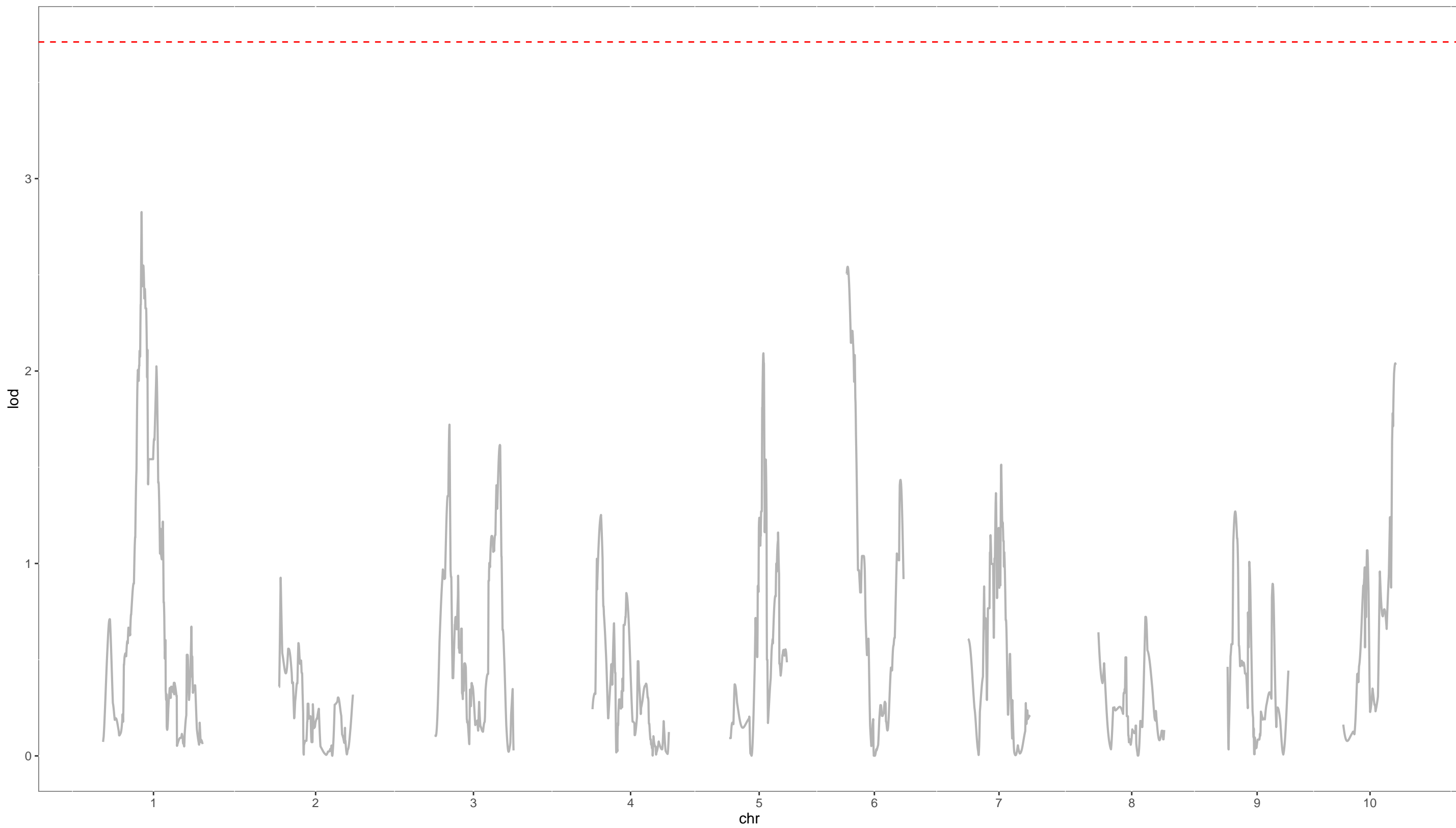
QTL analysis for int_additive covariate for Cd_ratio



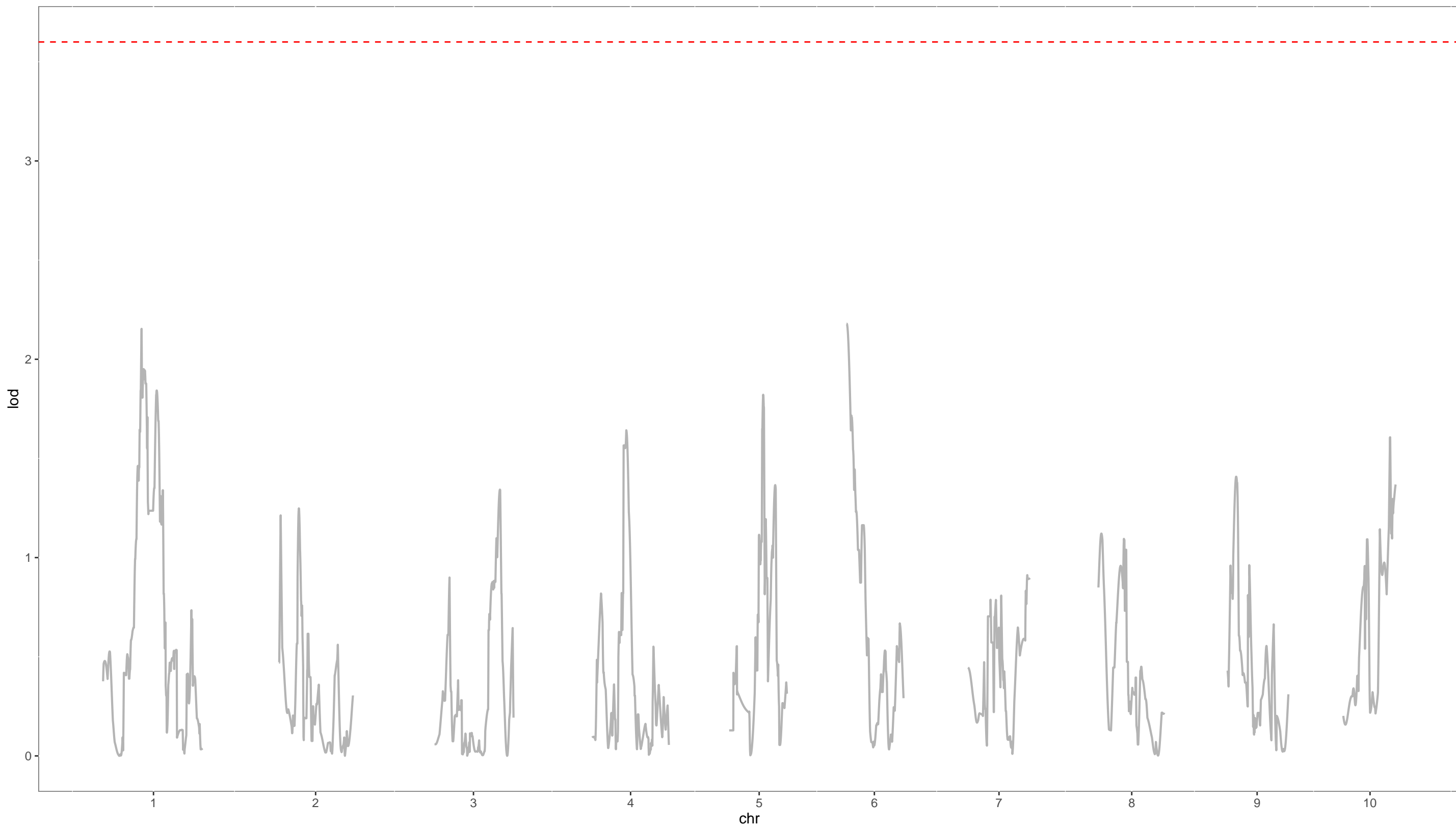
QTL analysis for int_additive covariate for Cd_seed



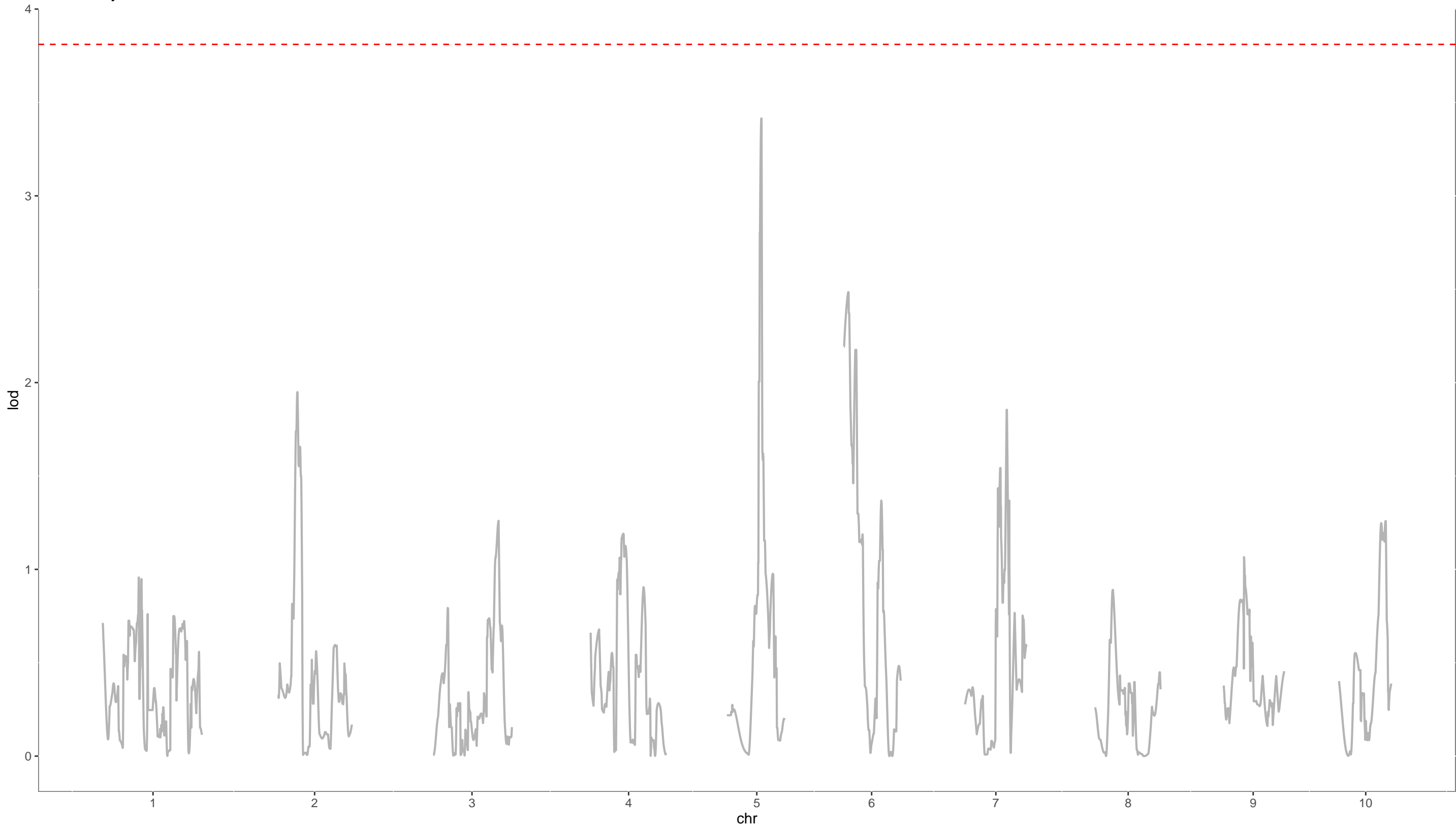
QTL analysis for int_additive covariate for Co_leaf



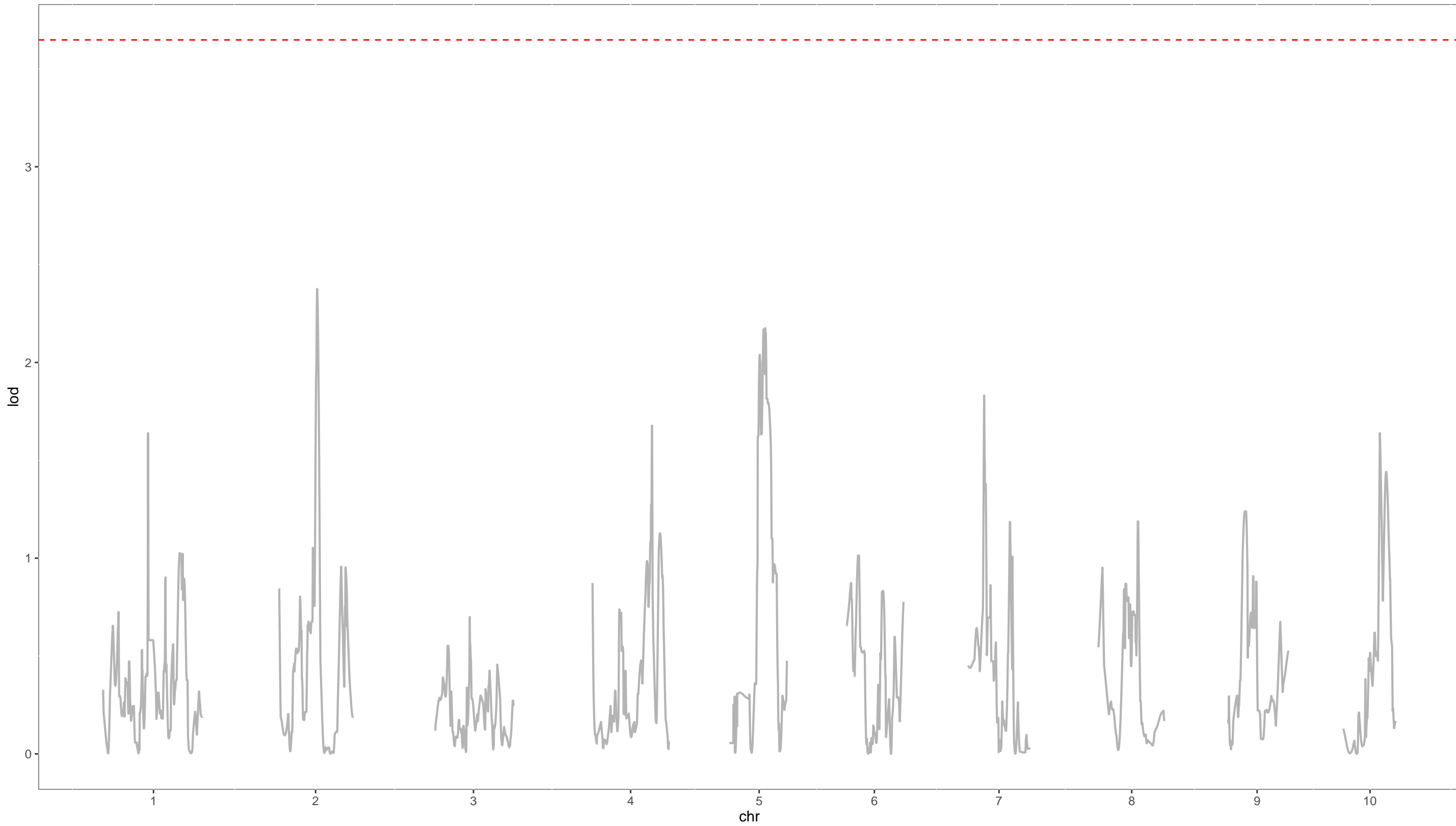
QTL analysis for int_additive covariate for Co_mean



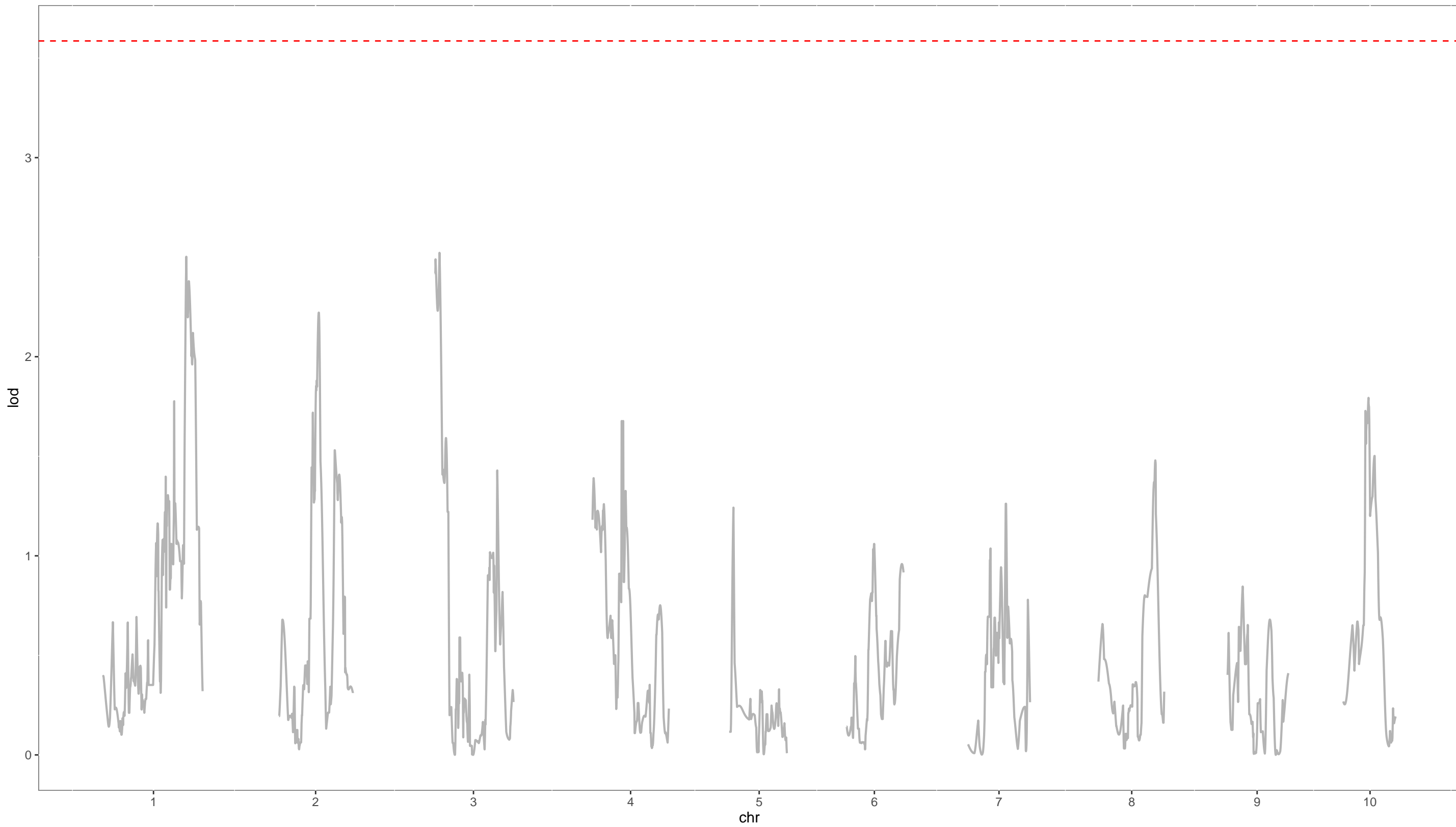
QTL analysis for int_additive covariate for Co_ratio



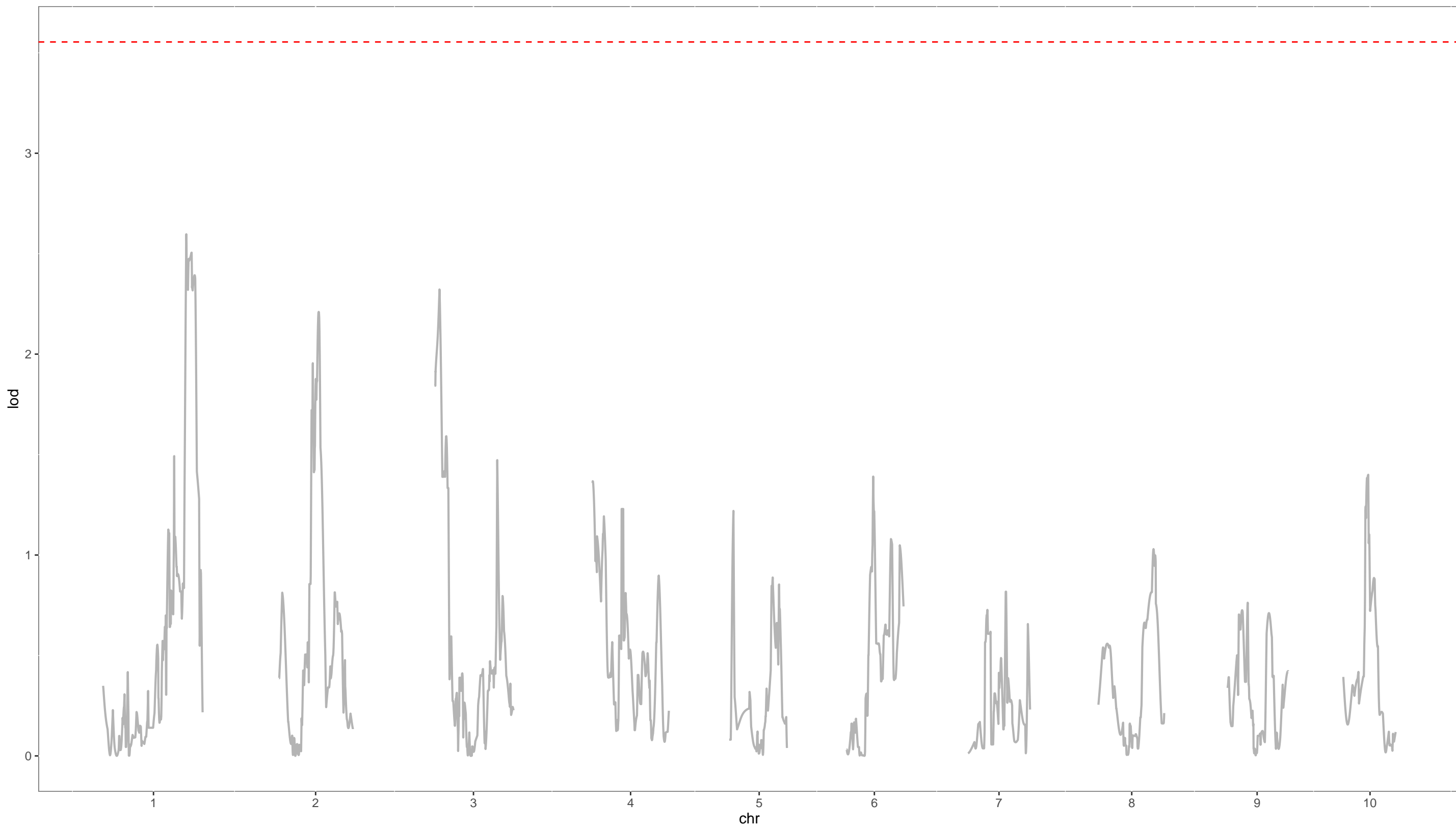
QTL analysis for int_additive covariate for Co_seed



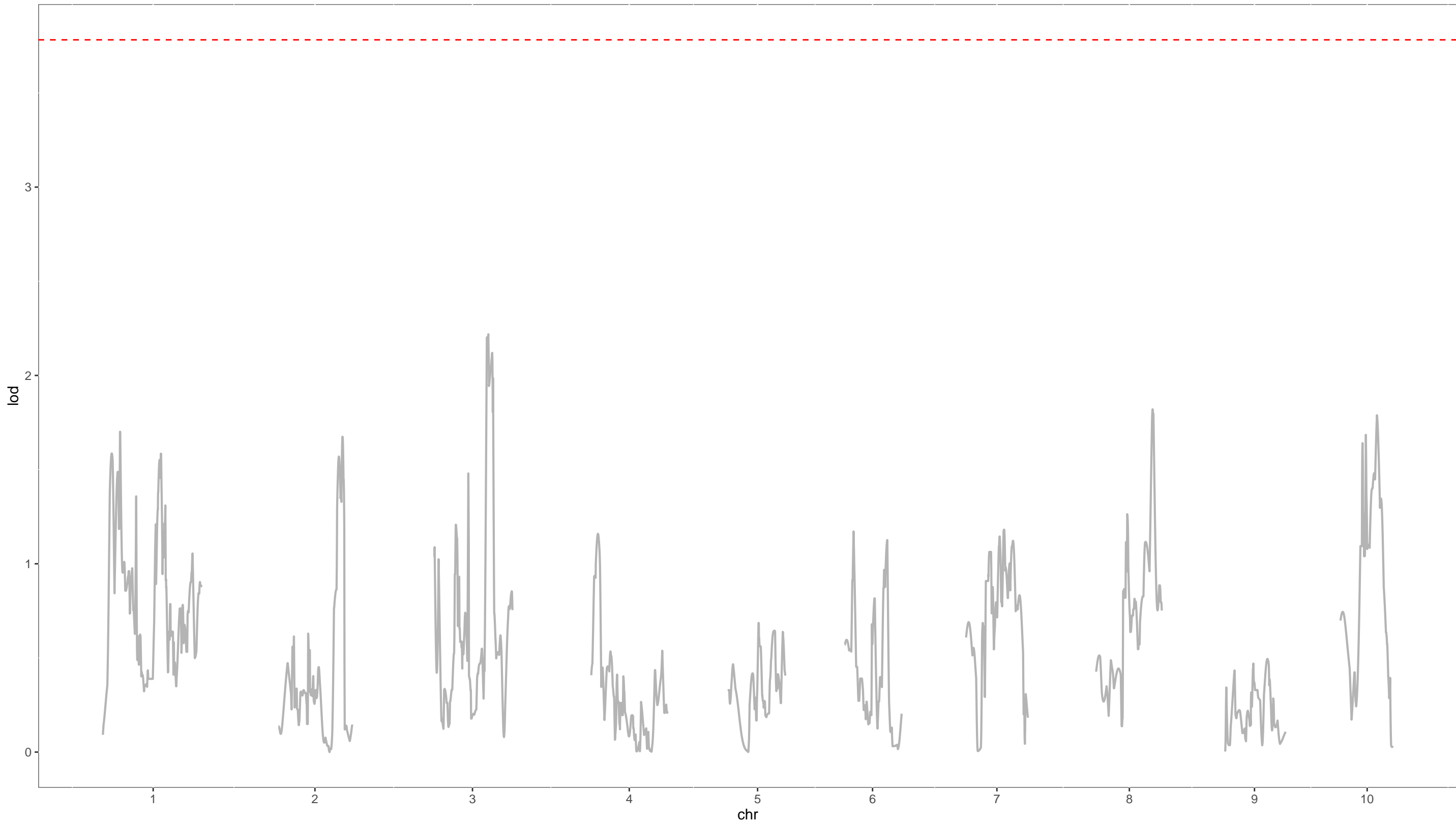
QTL analysis for int_additive covariate for Cu_leaf



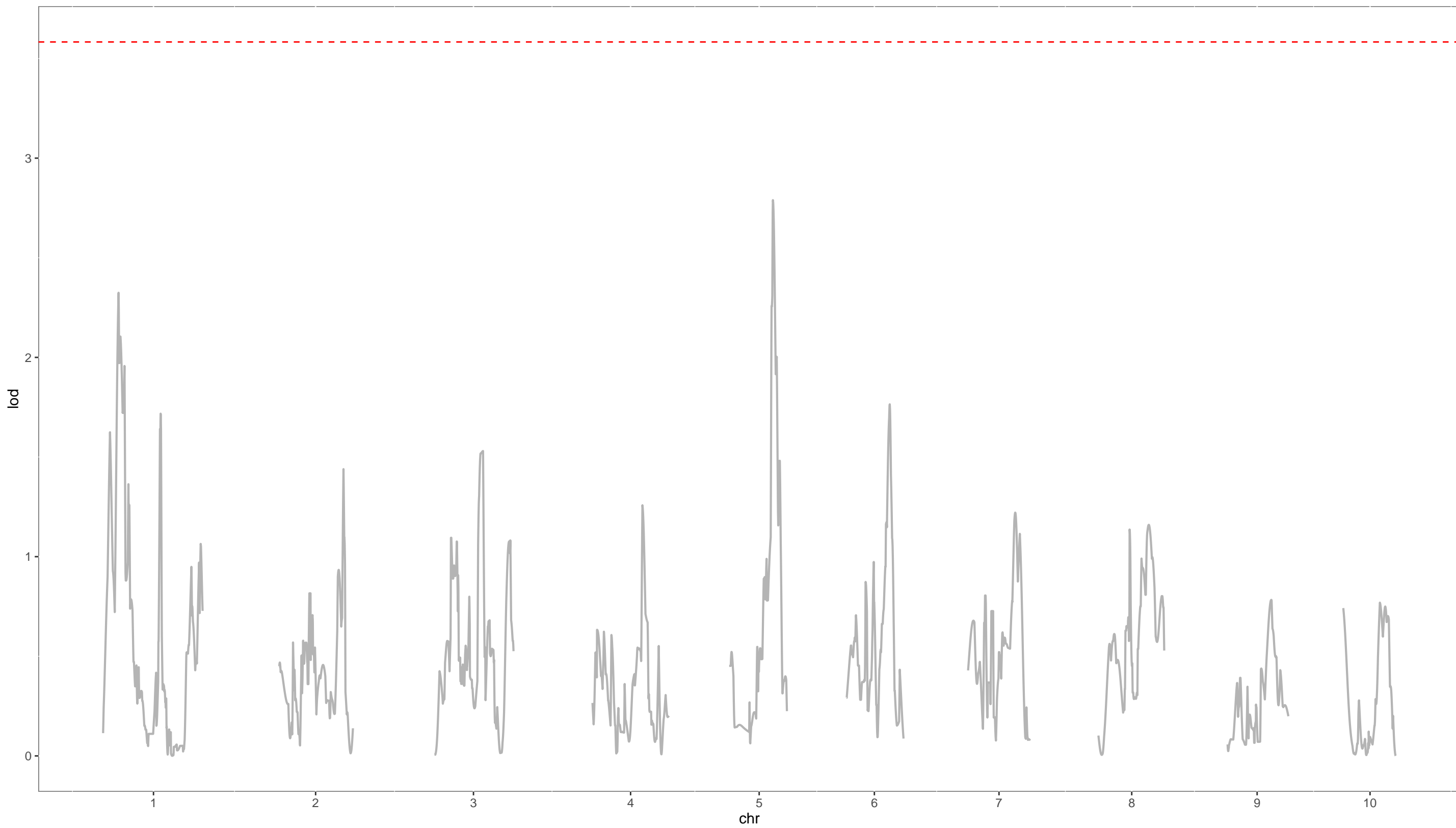
QTL analysis for int_additive covariate for Cu_mean



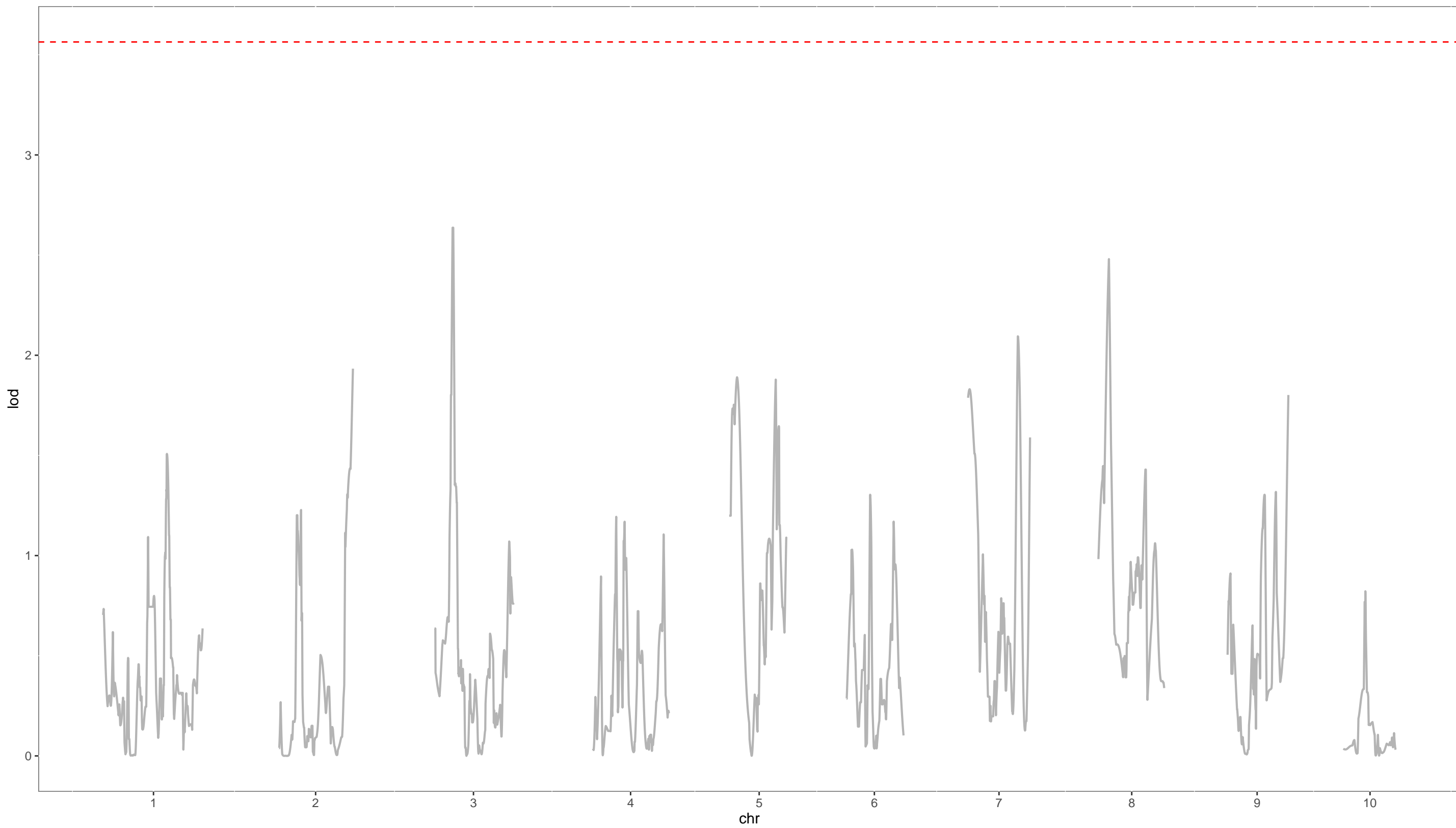
QTL analysis for int_additive covariate for Cu_ratio



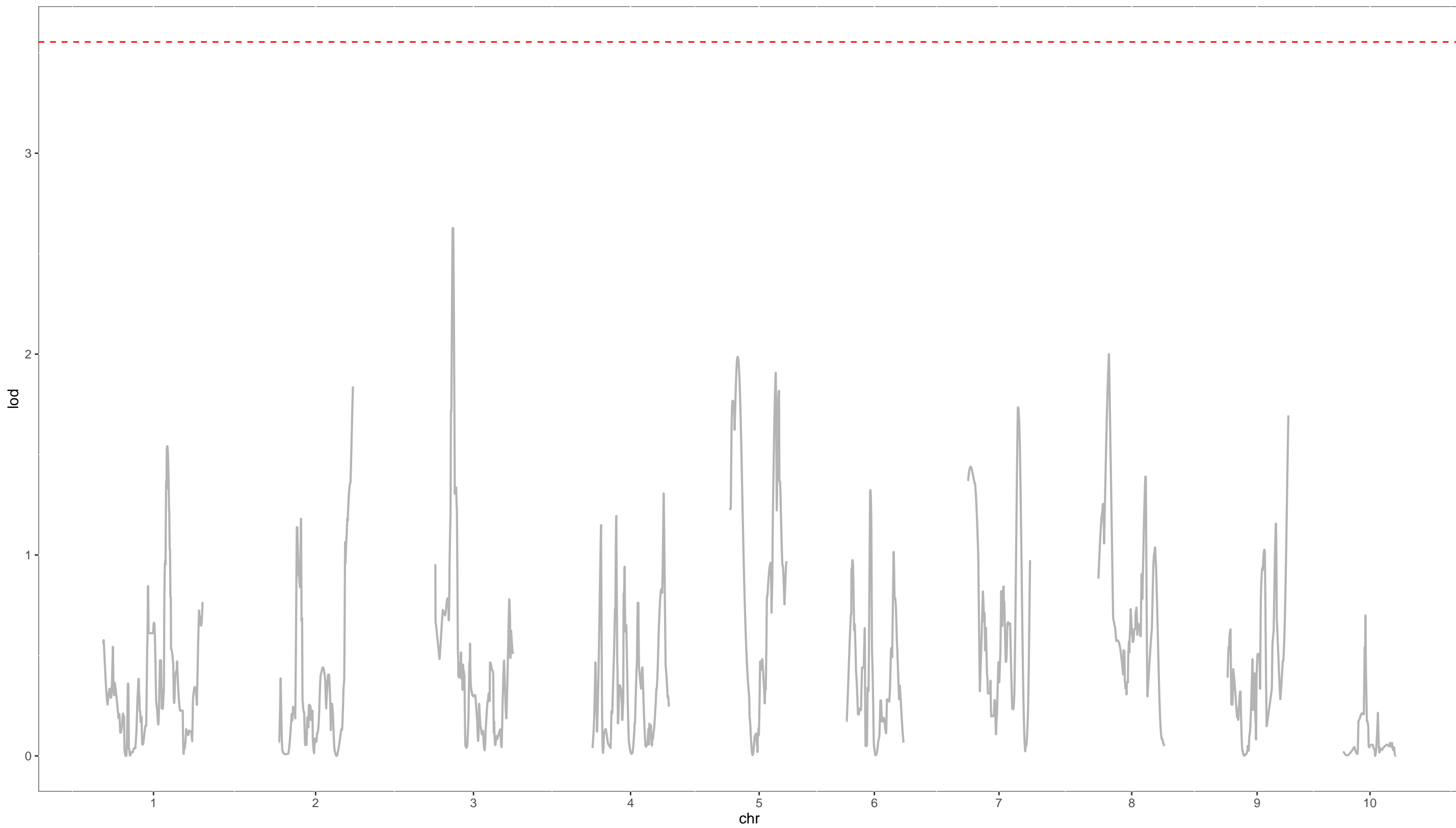
QTL analysis for int_additive covariate for Cu_seed



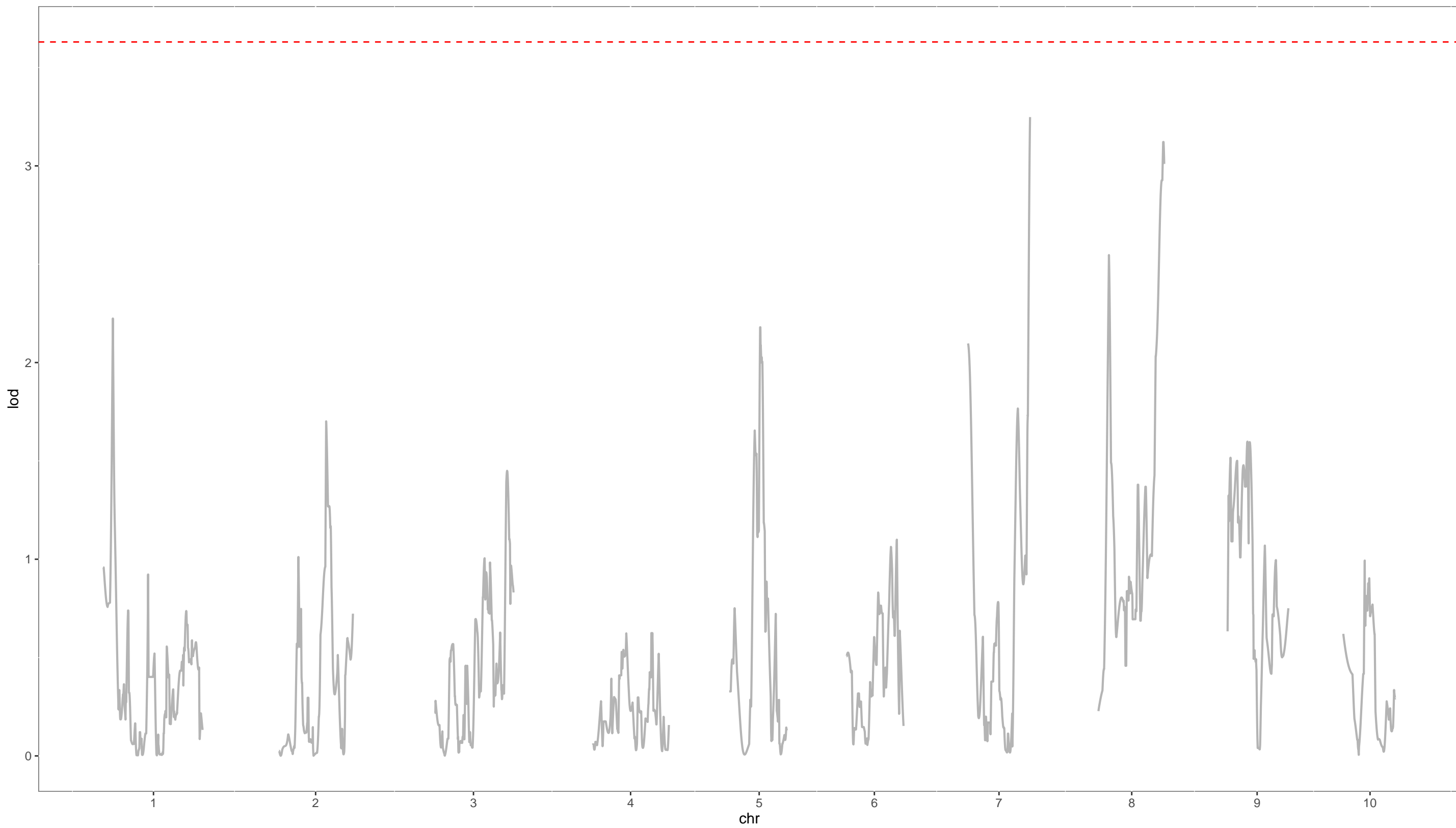
QTL analysis for int_additive covariate for Fe_leaf



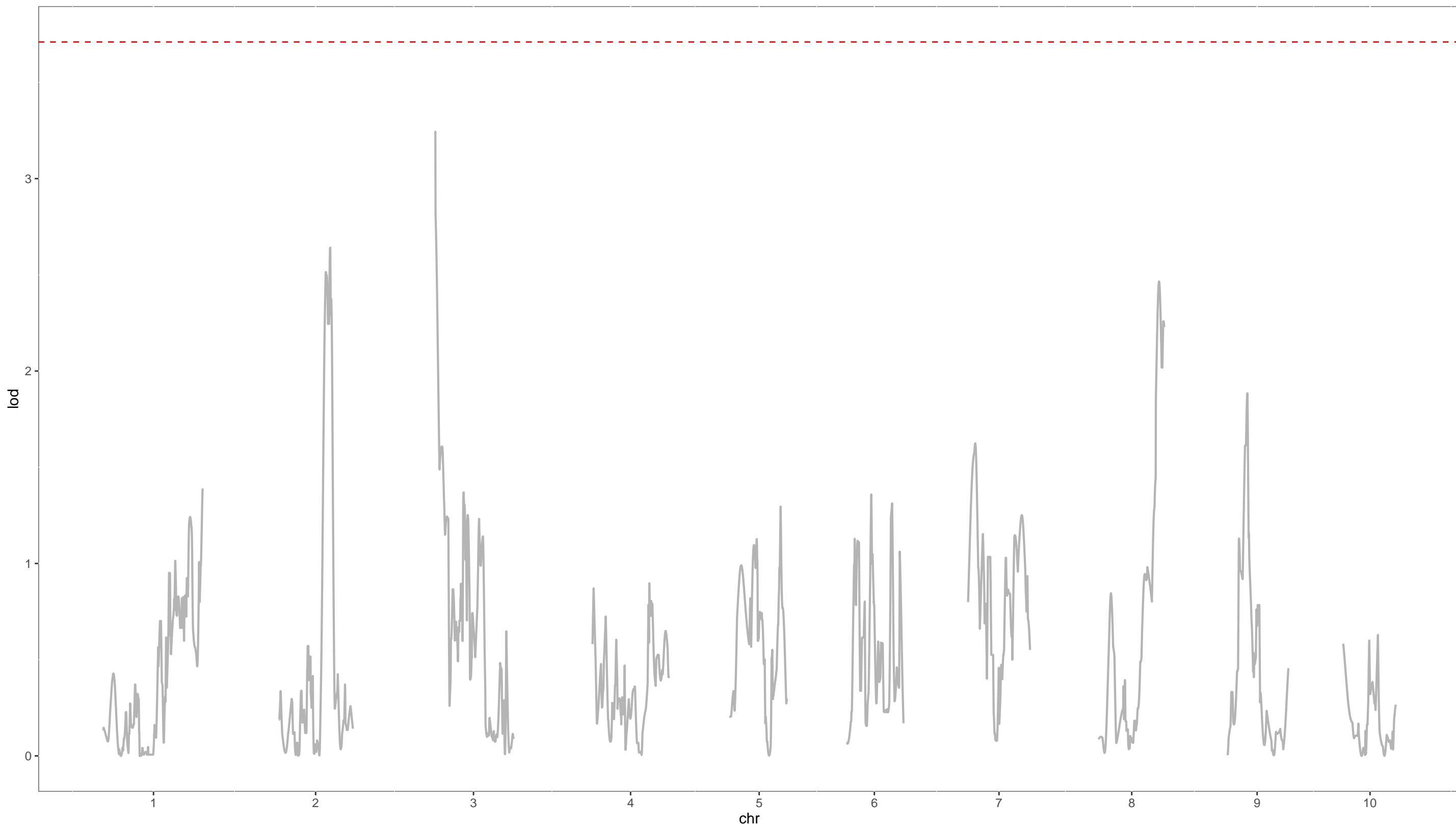
QTL analysis for int_additive covariate for Fe_mean



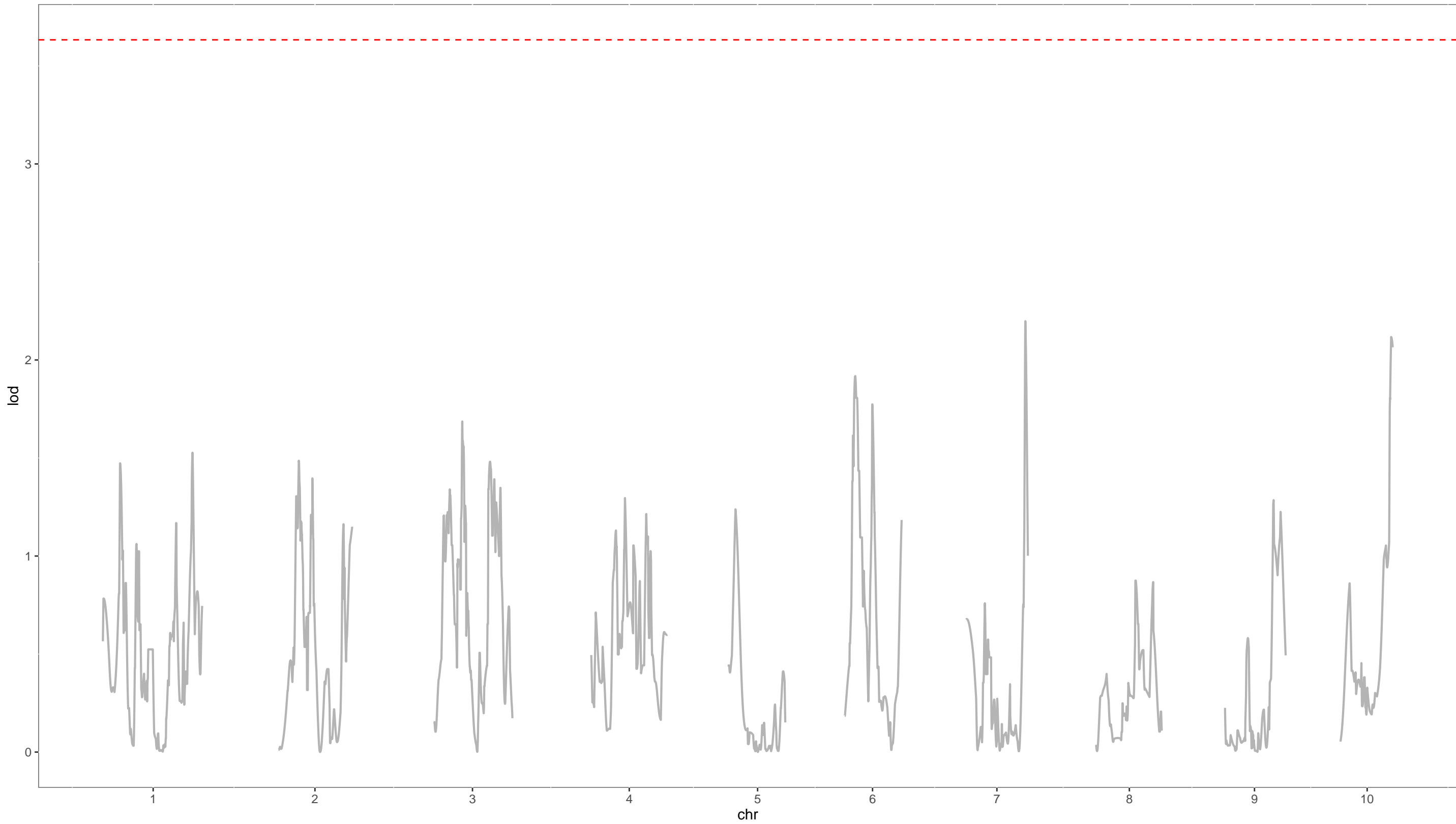
QTL analysis for int_additive covariate for Fe_ratio



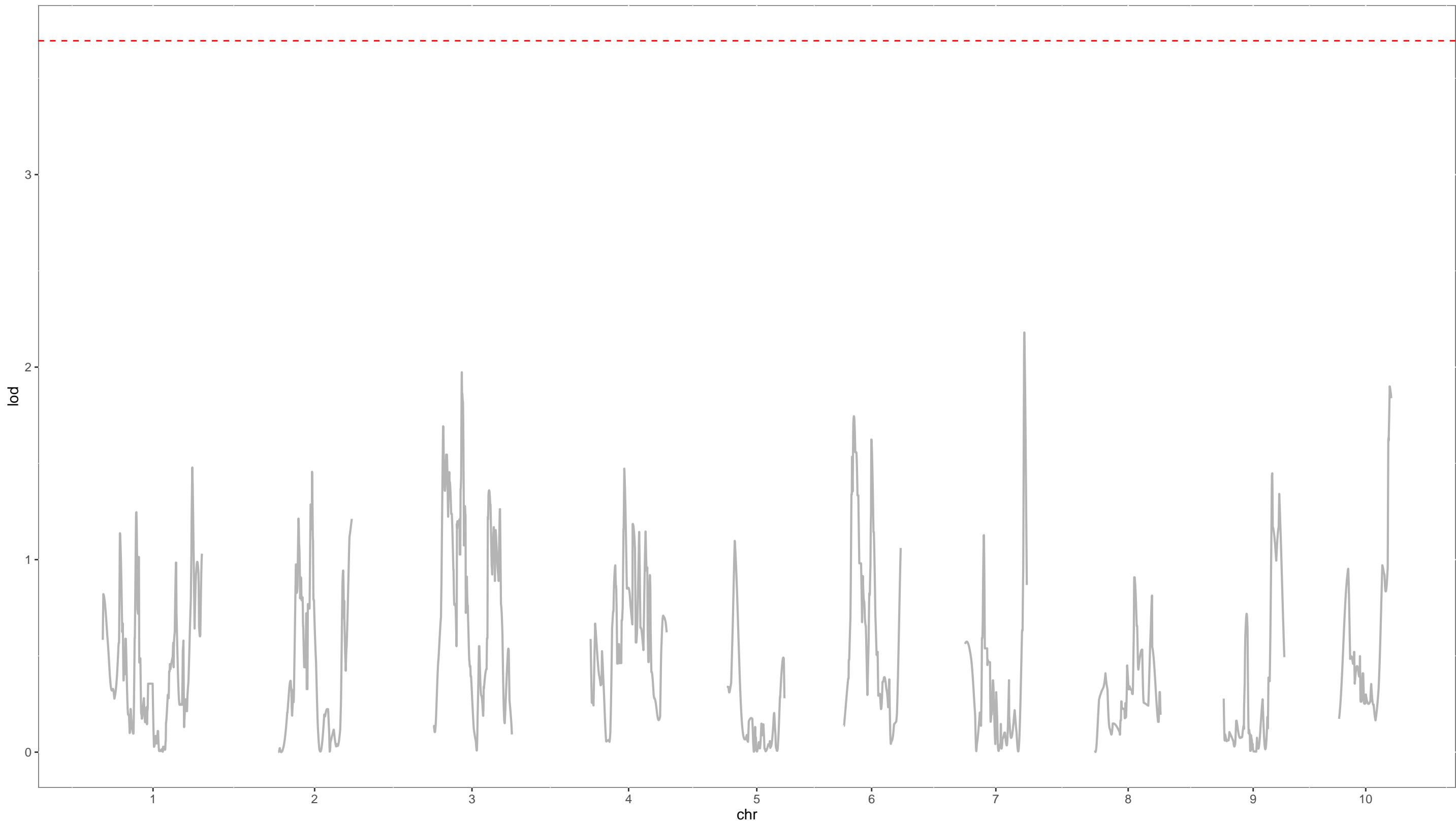
QTL analysis for int_additive covariate for Fe_seed



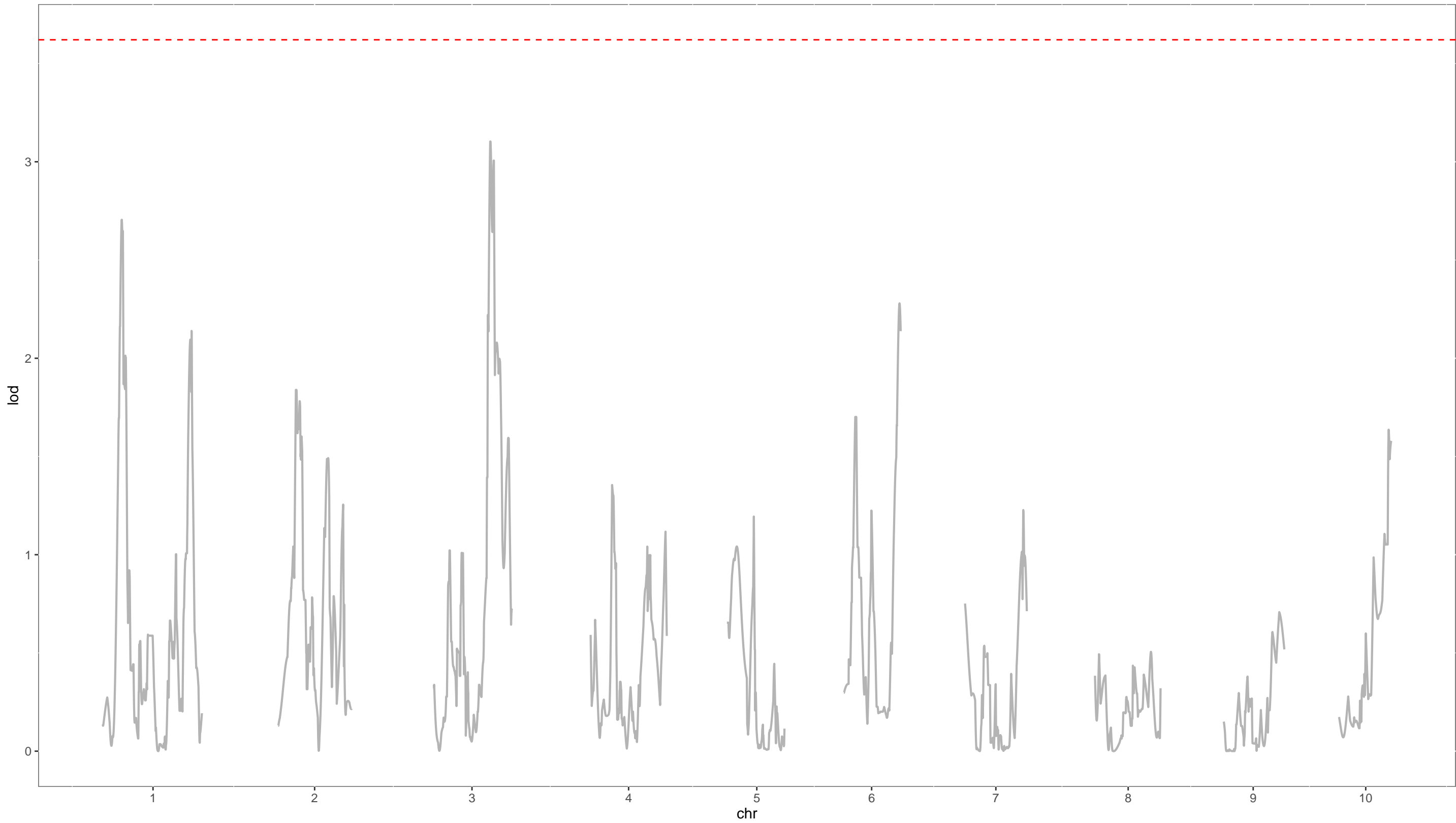
QTL analysis for int_additive covariate for K_leaf



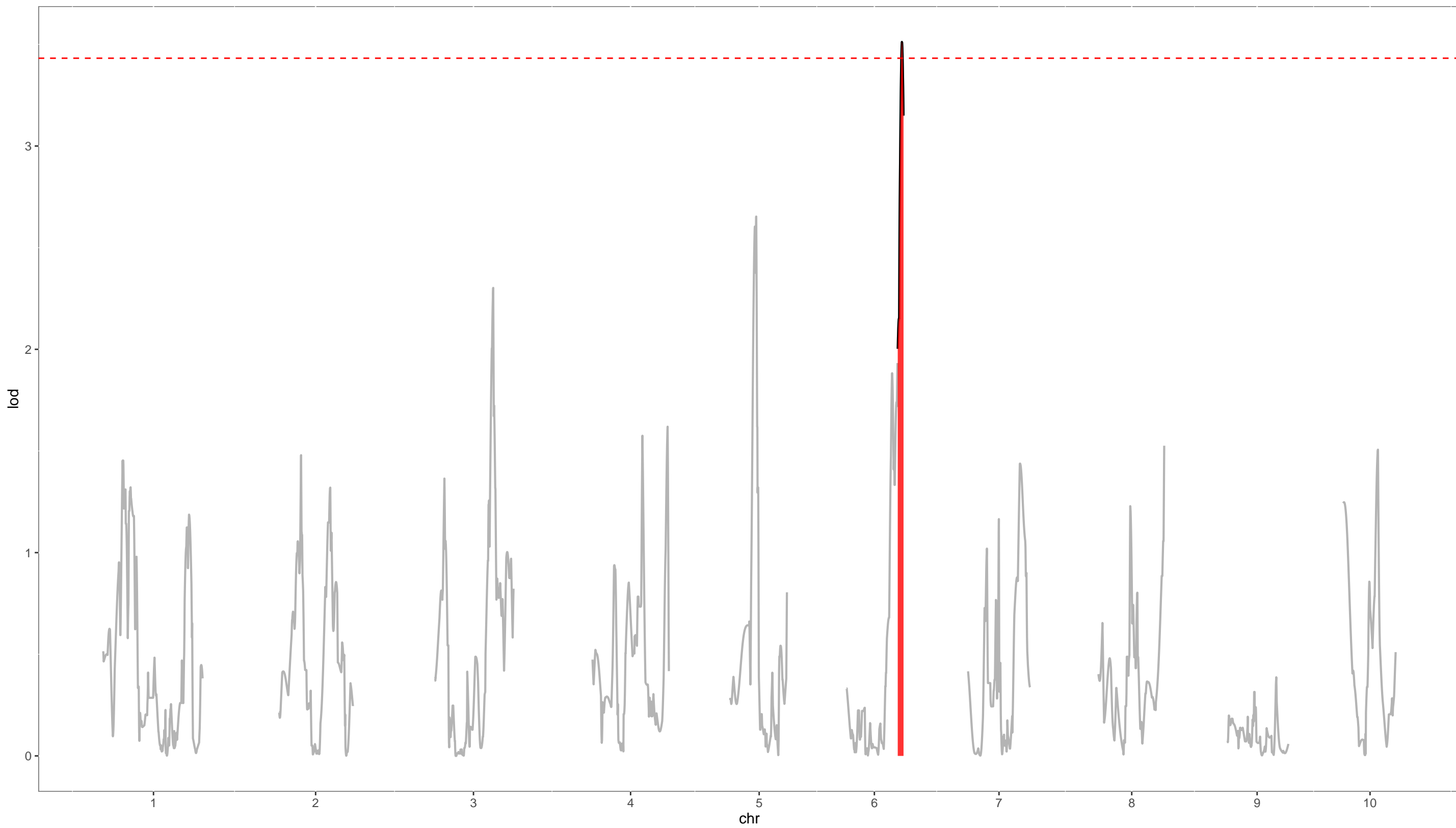
QTL analysis for int_additive covariate for K_mean



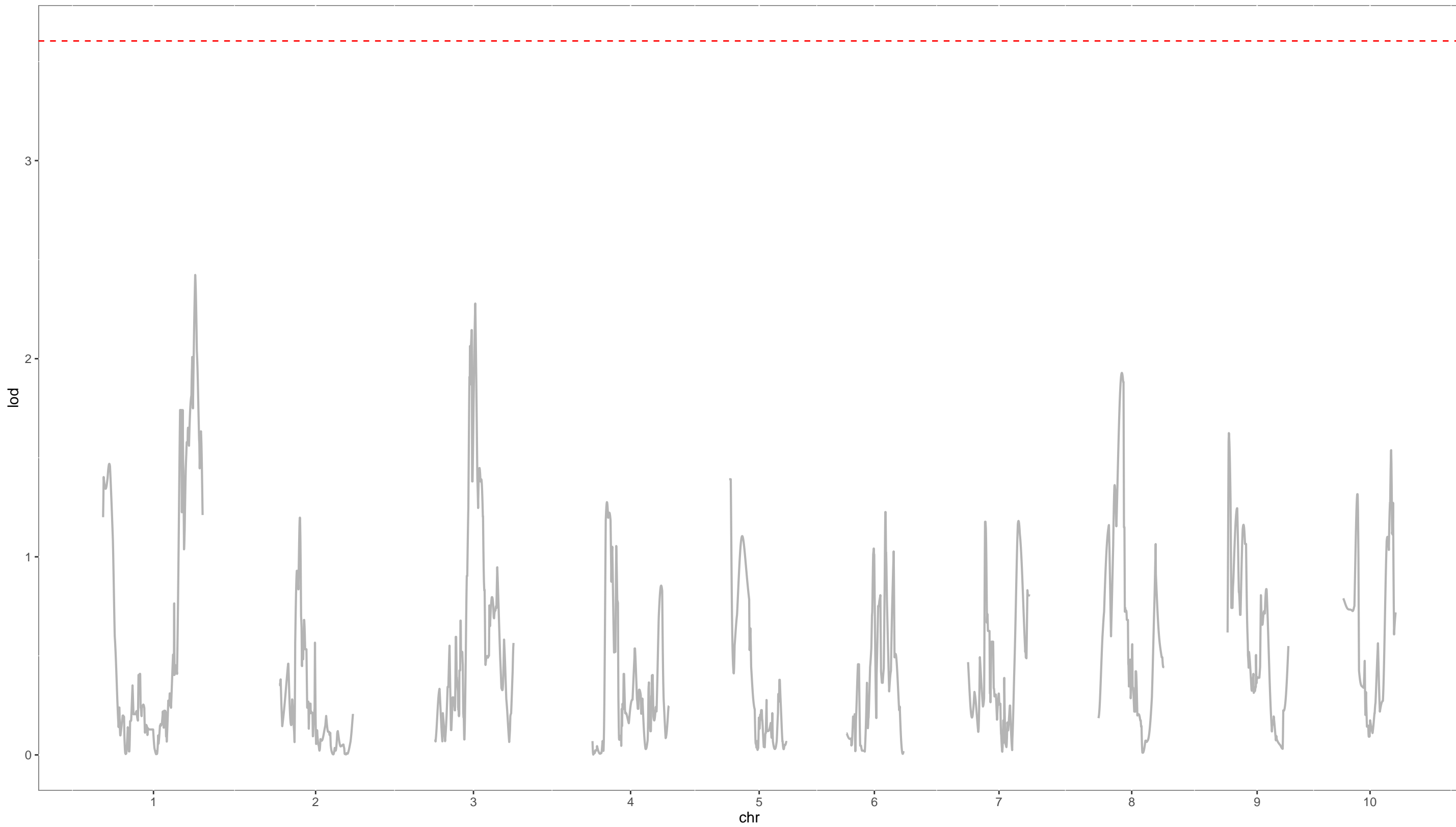
QTL analysis for int_additive covariate for K_ratio



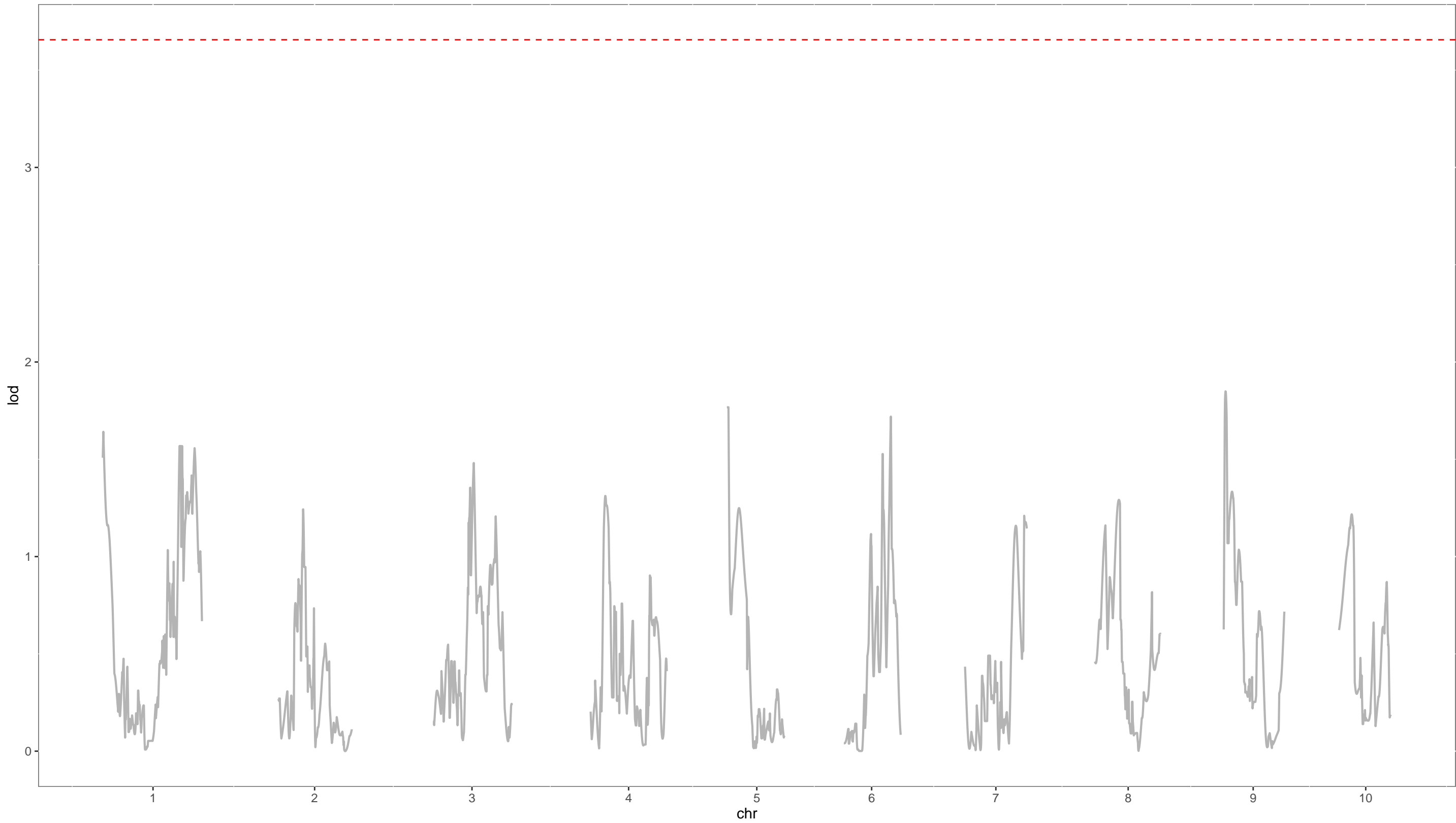
QTL analysis for int_additive covariate for K_seed



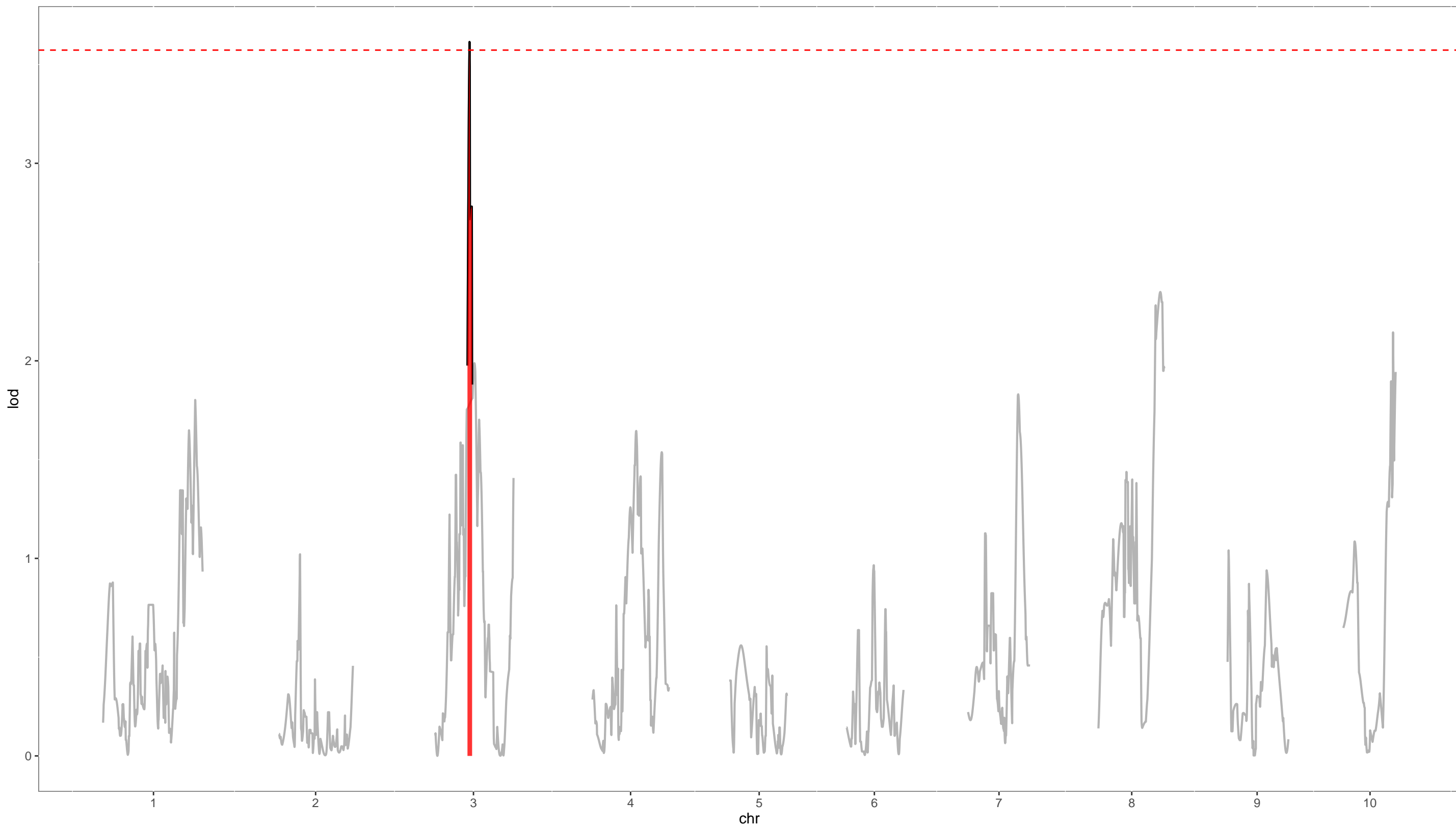
QTL analysis for int_additive covariate for Mg_leaf



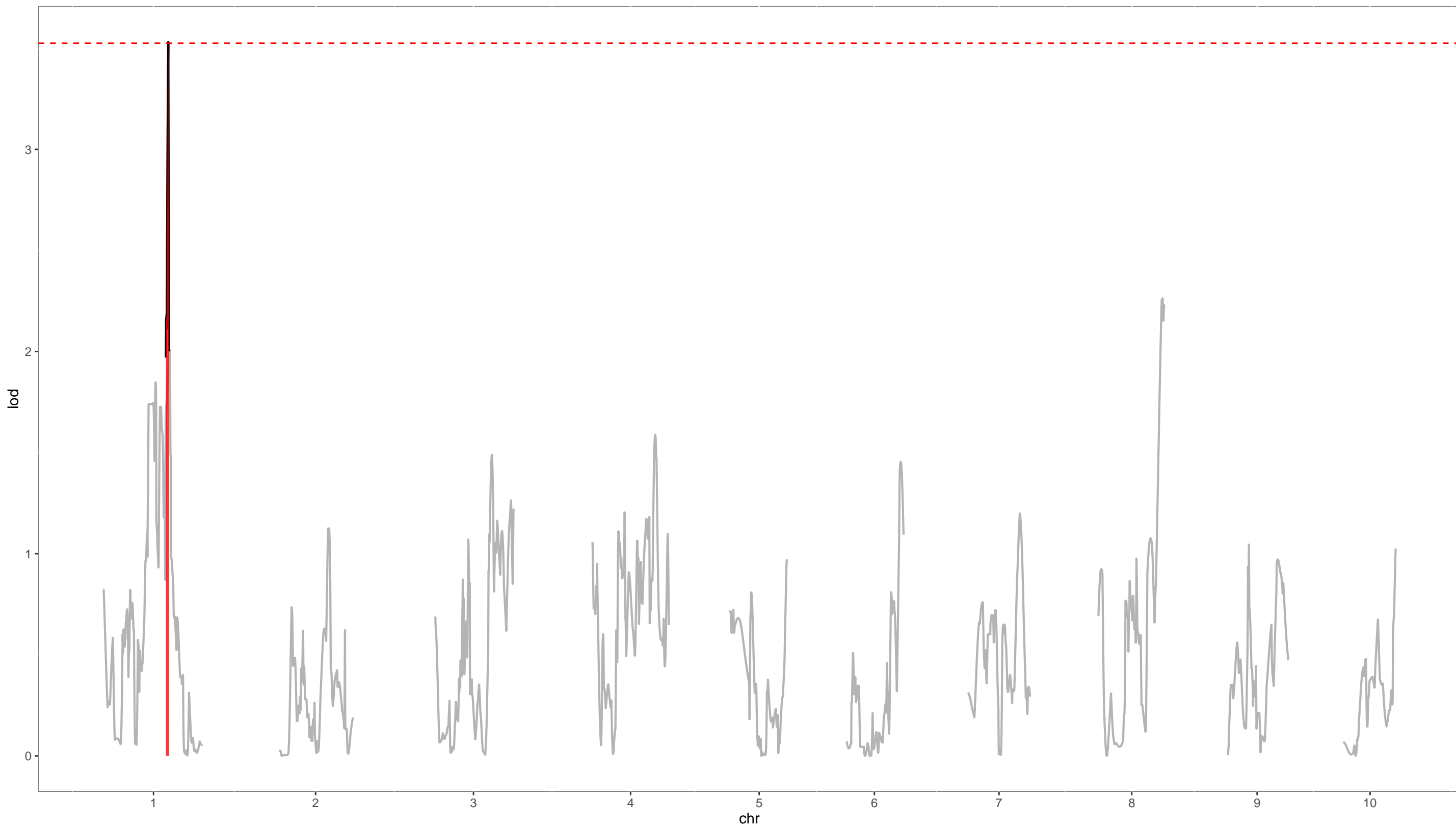
QTL analysis for int_additive covariate for Mg_mean



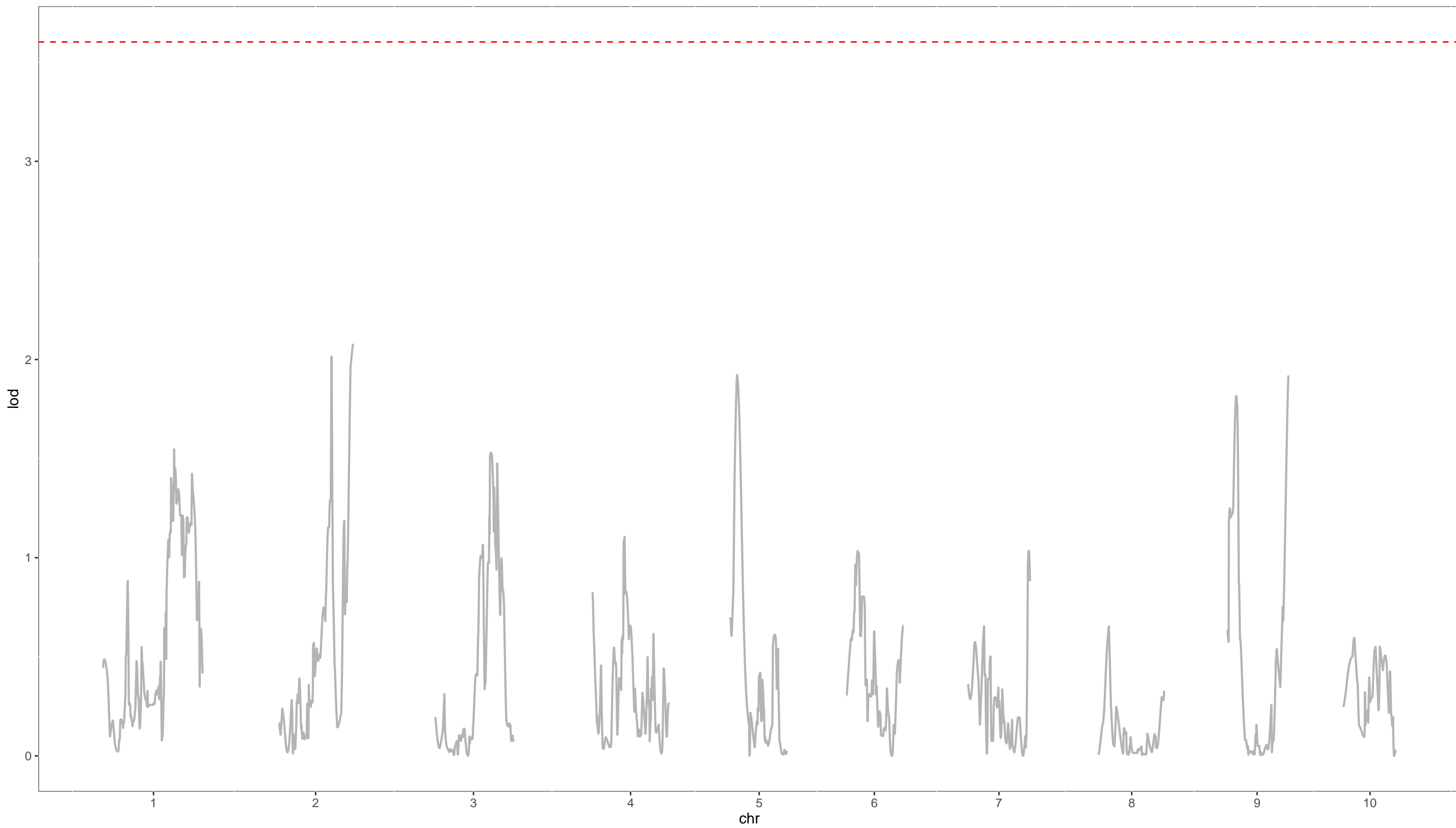
QTL analysis for int_additive covariate for Mg_ratio



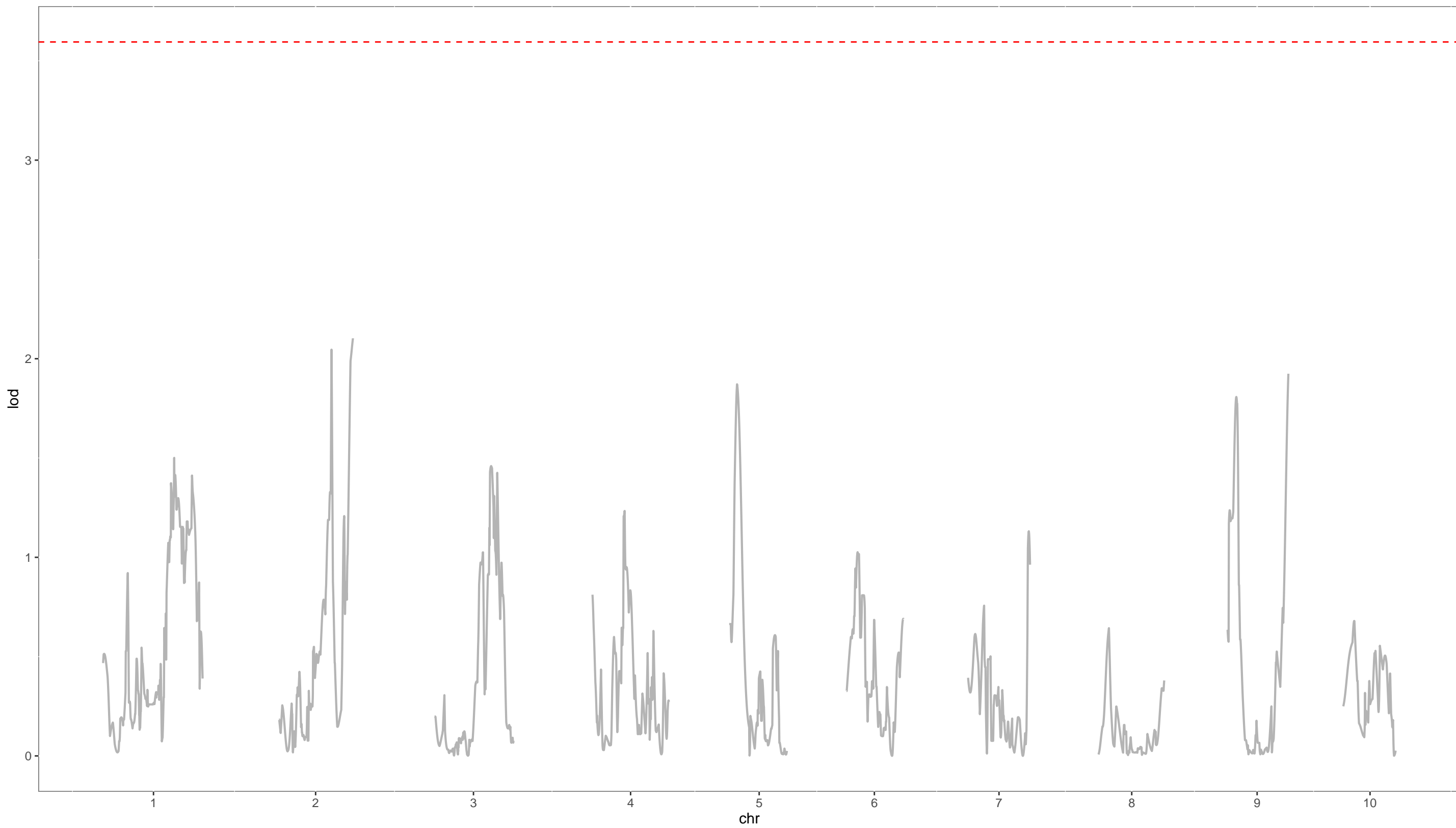
QTL analysis for int_additive covariate for Mg_seed



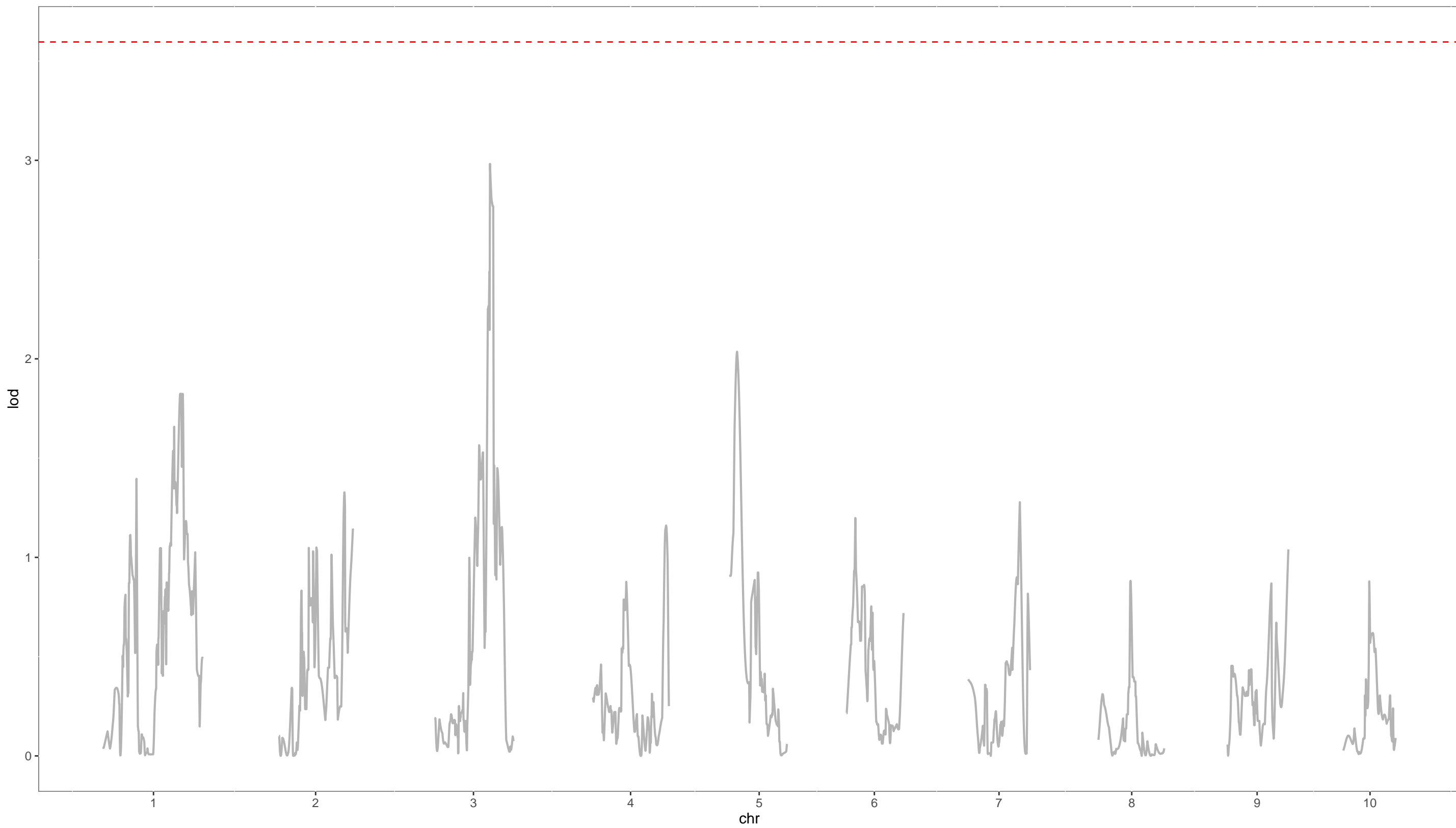
QTL analysis for int_additive covariate for Mn_leaf



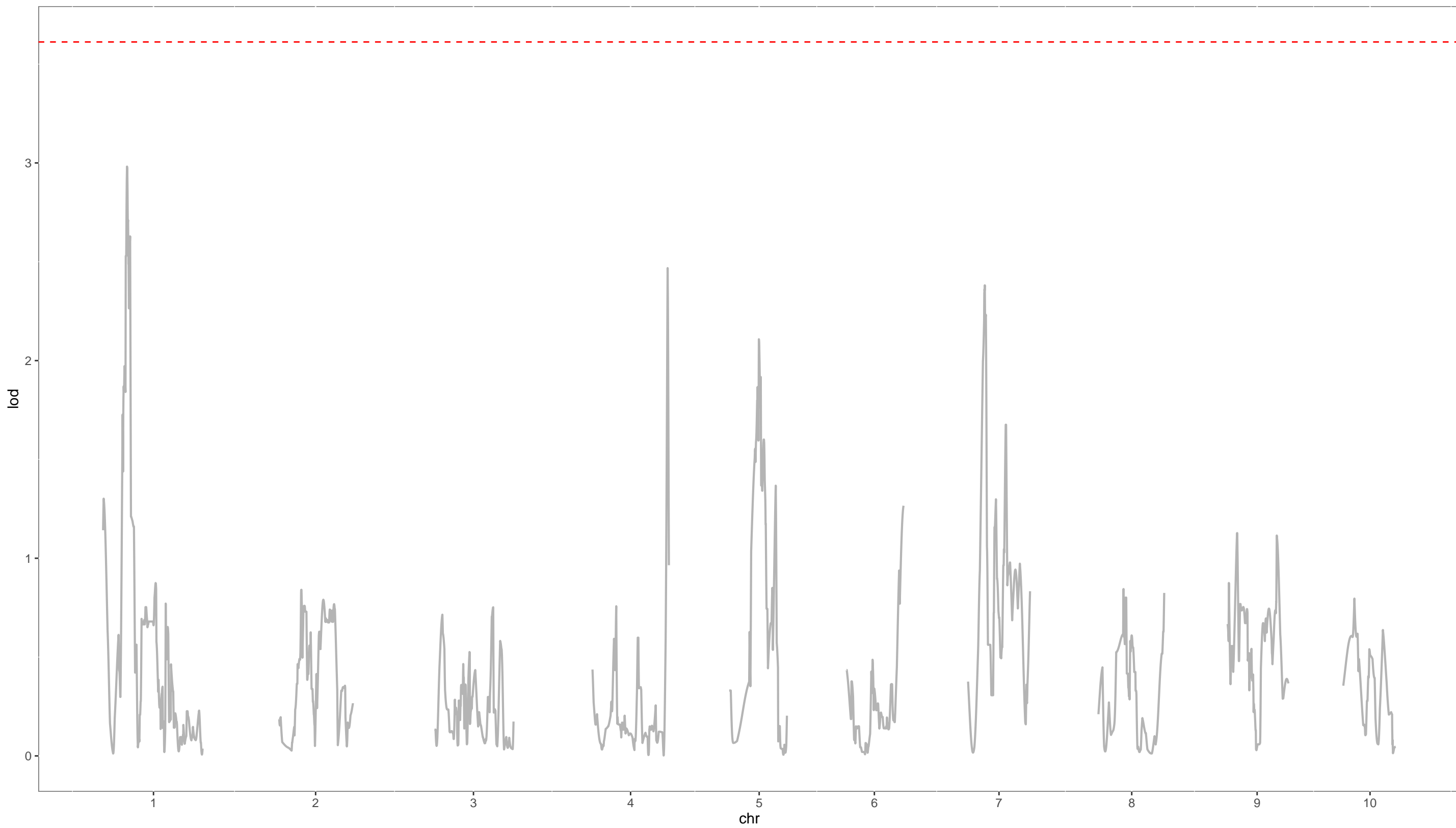
QTL analysis for int_additive covariate for Mn_mean



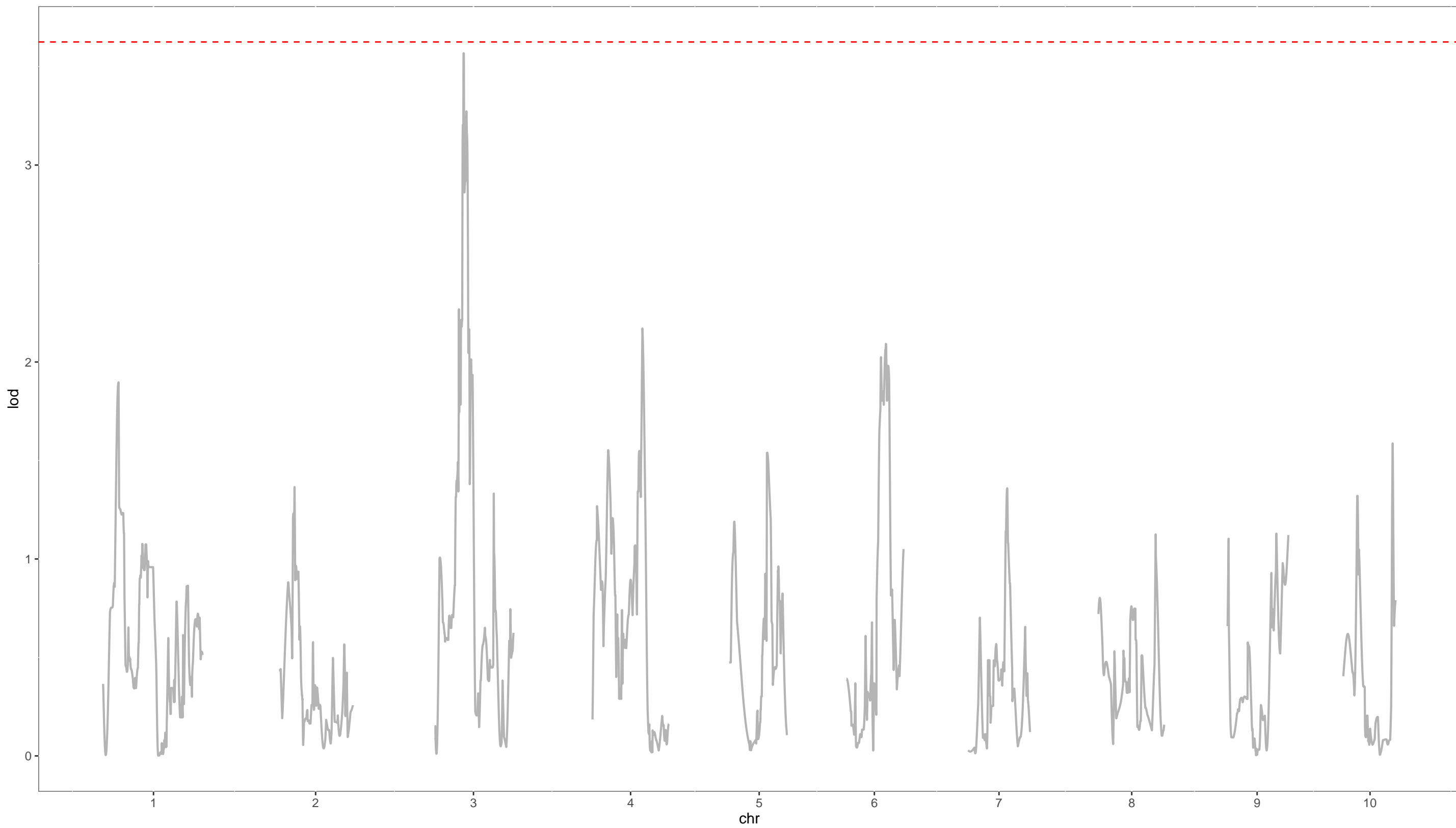
QTL analysis for int_additive covariate for Mn_ratio



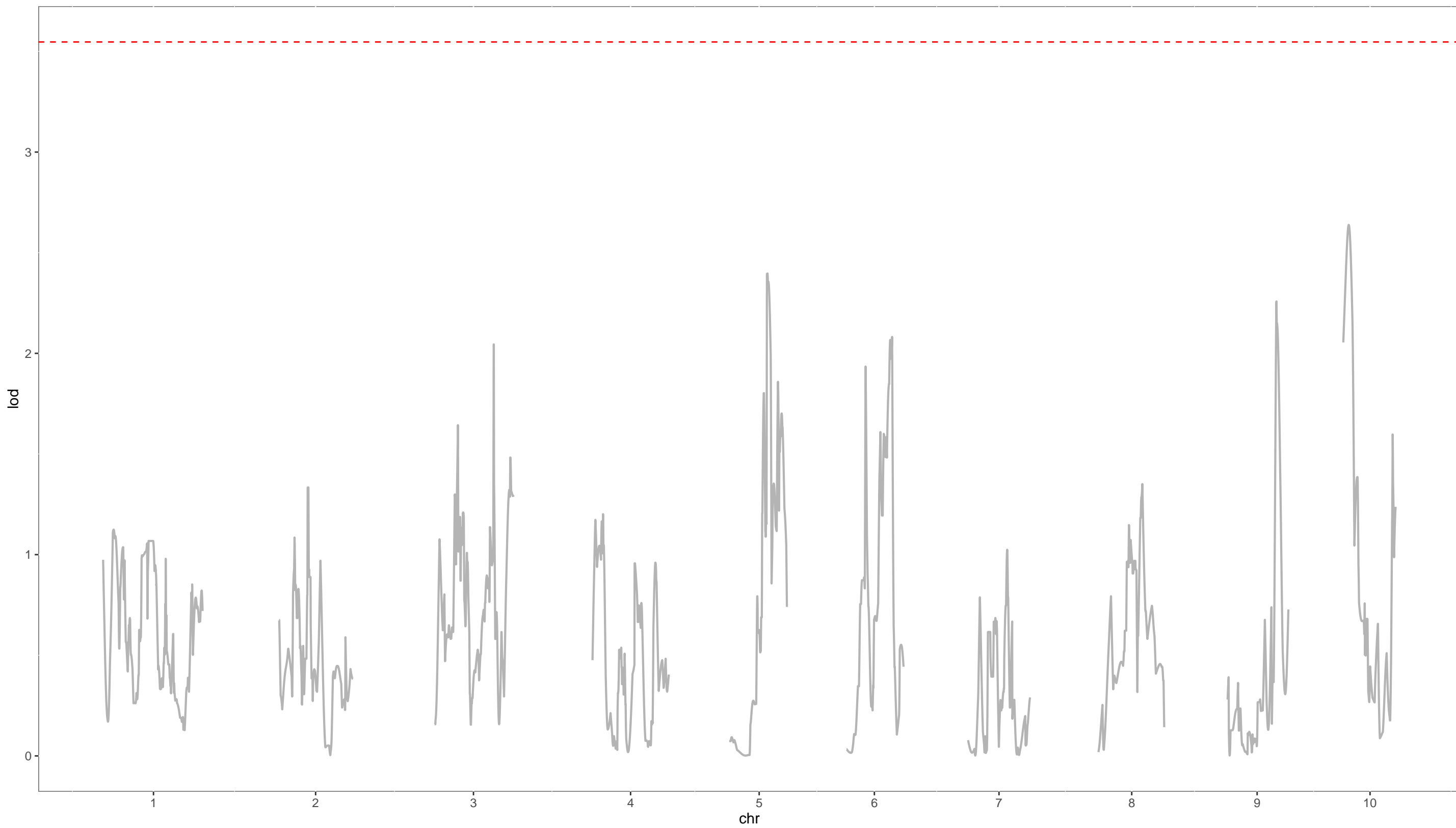
QTL analysis for int_additive covariate for Mn_seed



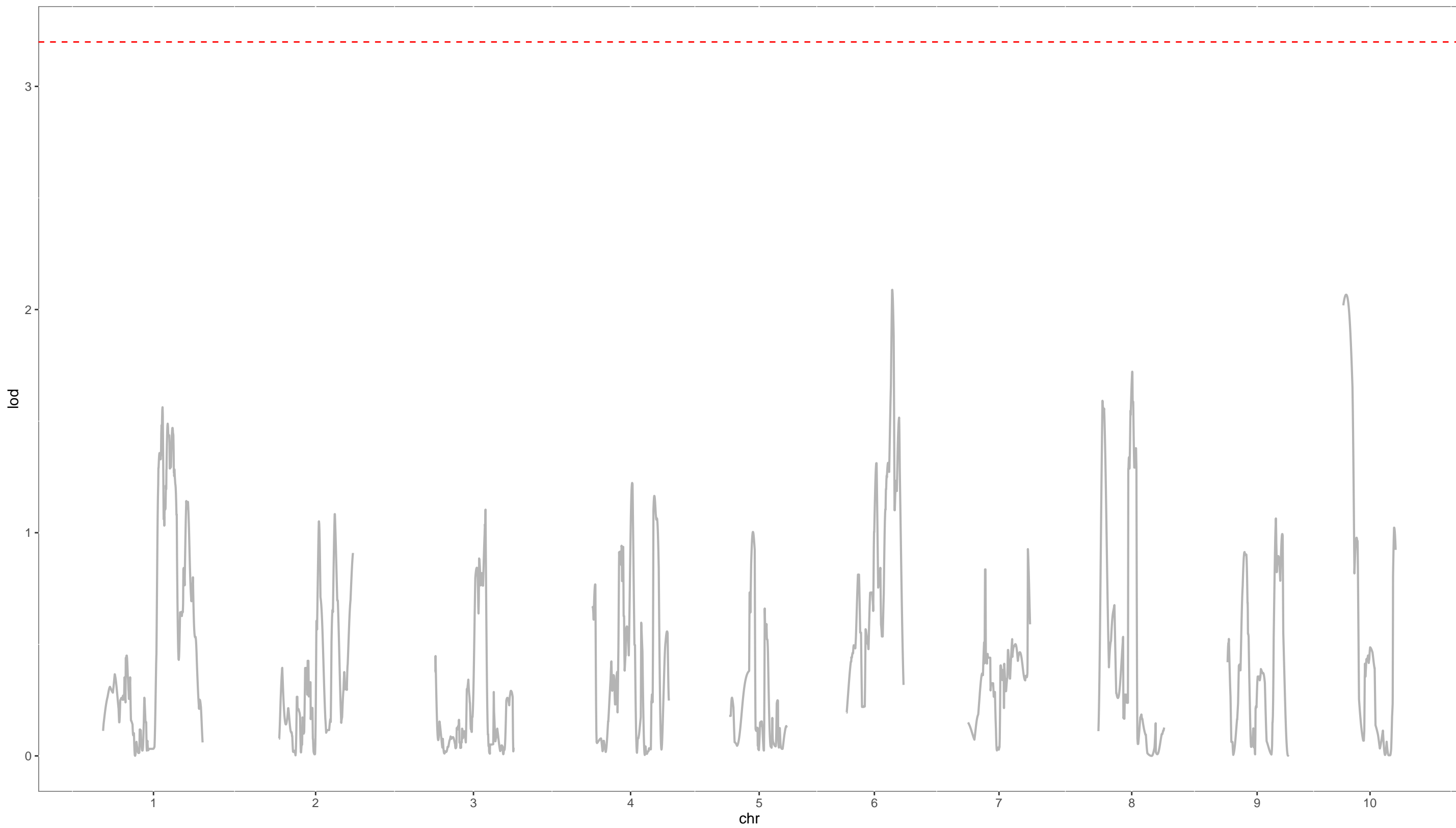
QTL analysis for int_additive covariate for Mo_leaf



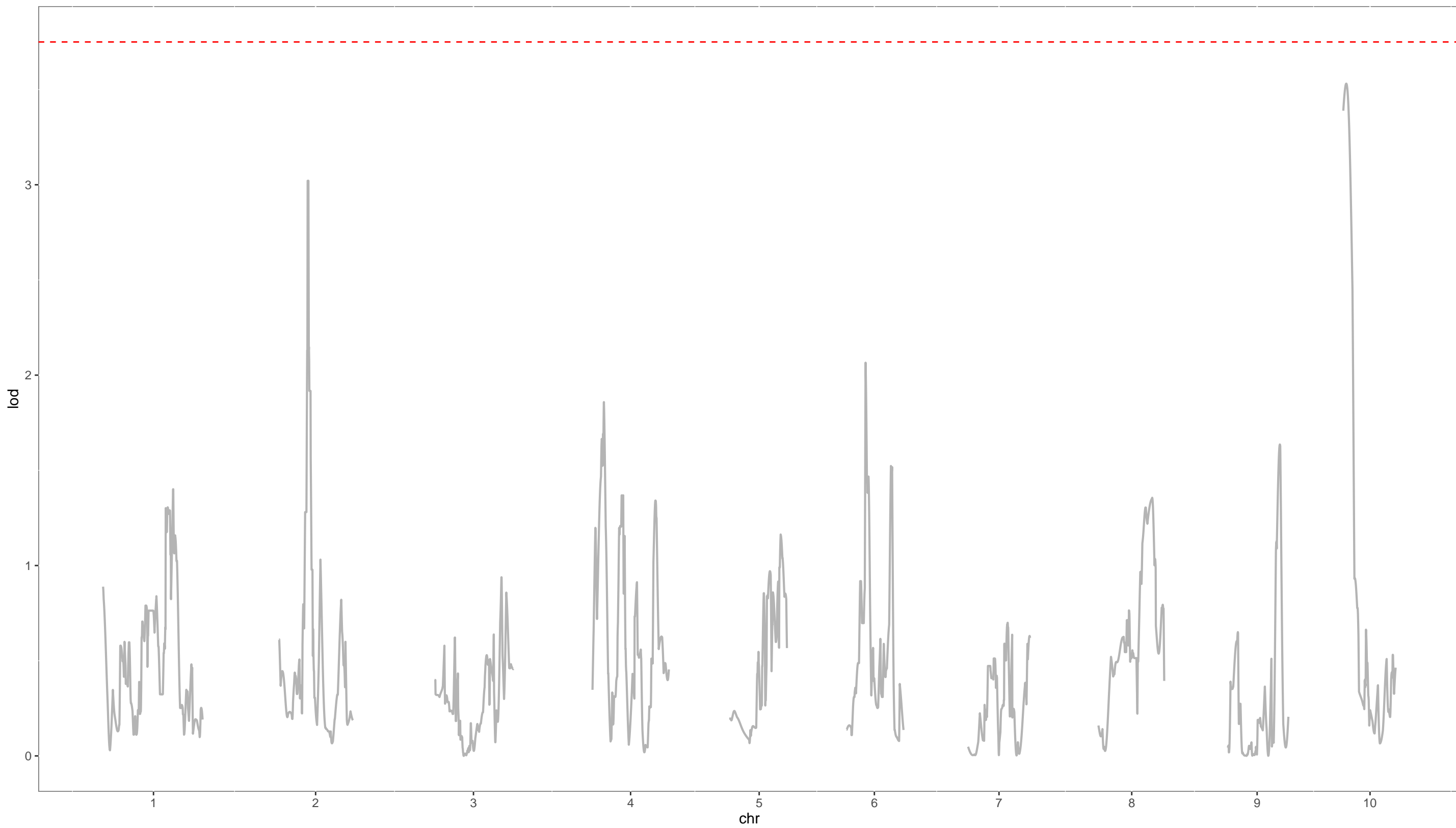
QTL analysis for int_additive covariate for Mo_mean



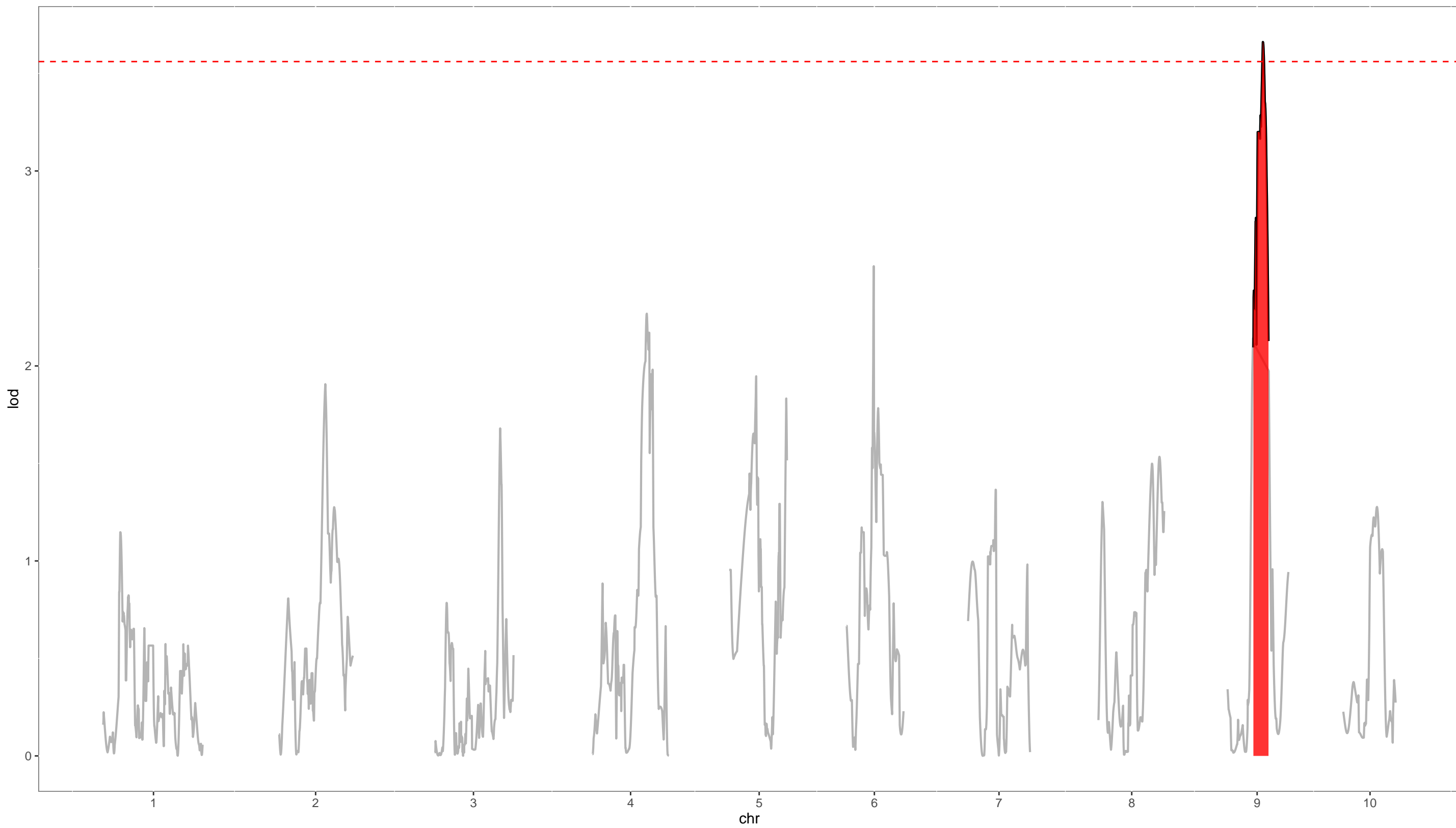
QTL analysis for int_additive covariate for Mo_ratio



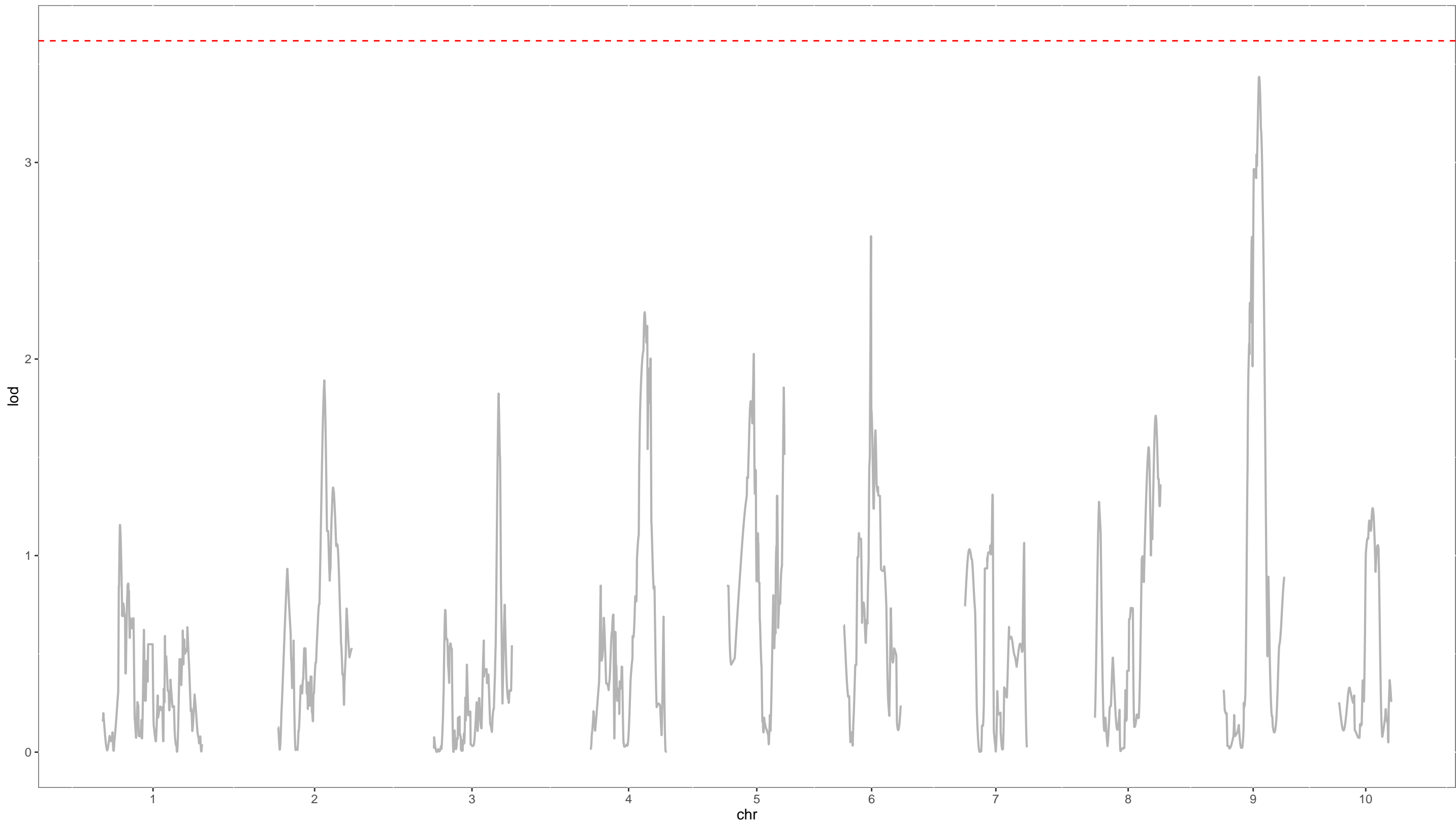
QTL analysis for int_additive covariate for Mo_seed



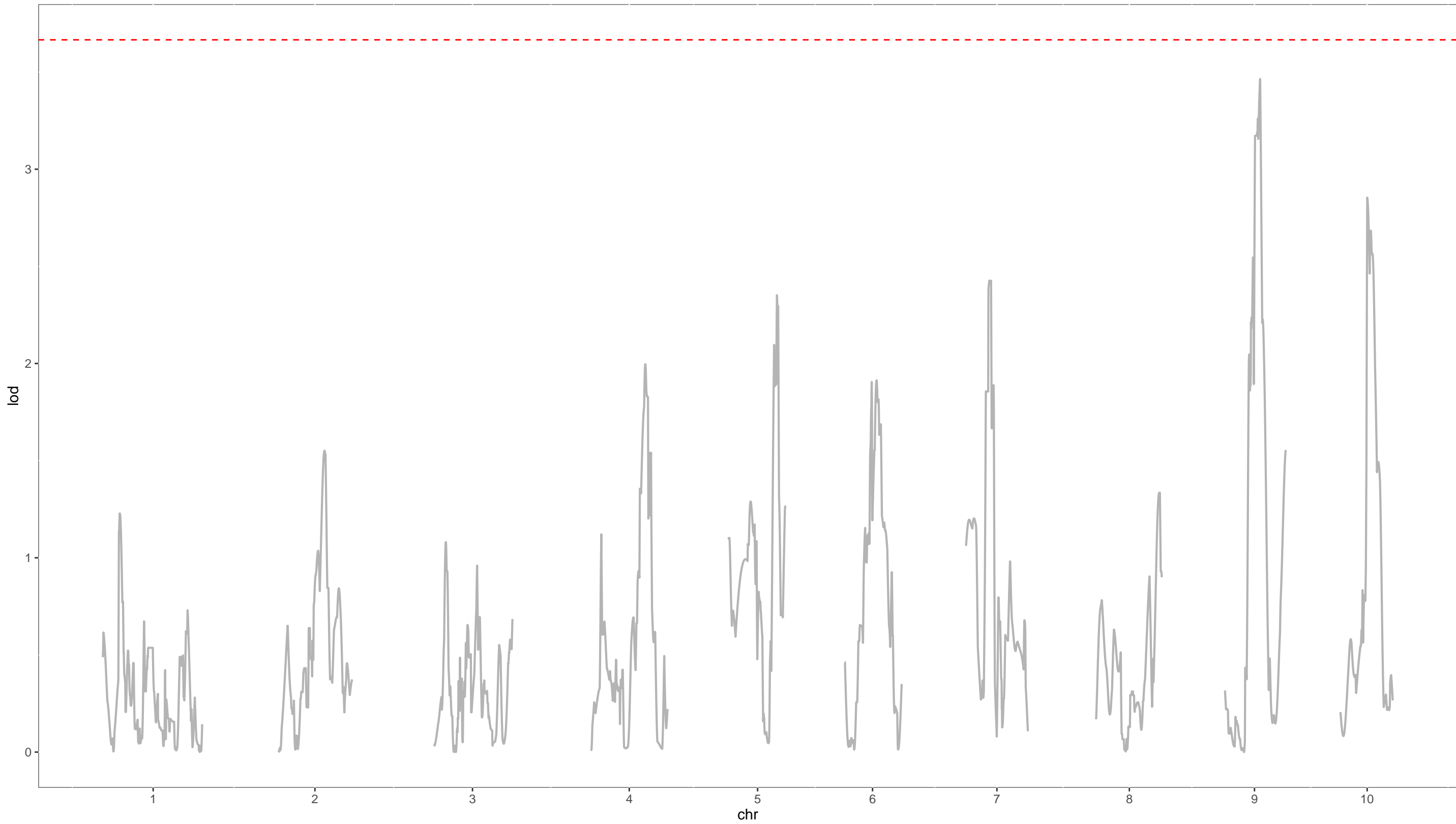
QTL analysis for int_additive covariate for Na_leaf



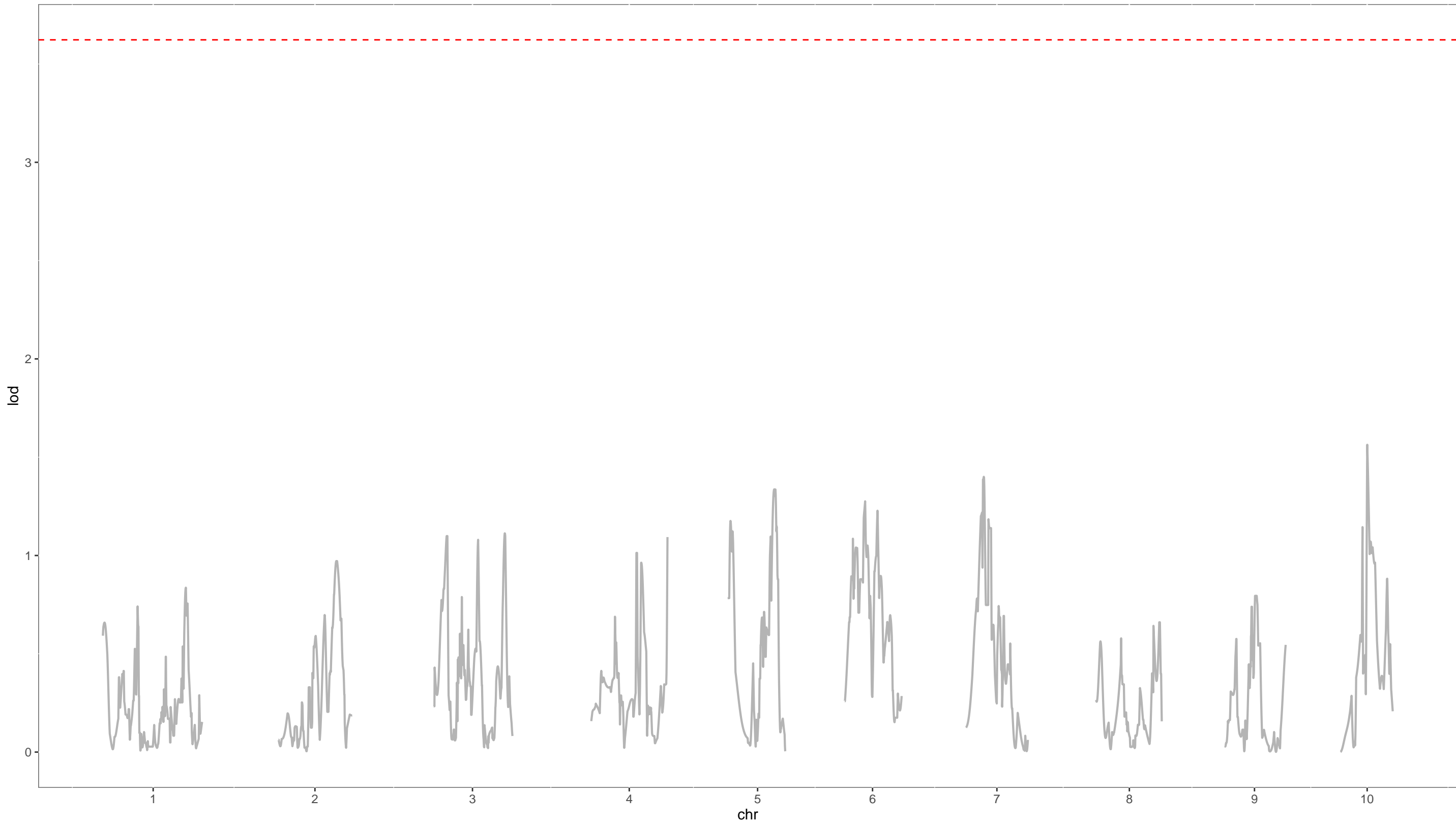
QTL analysis for int_additive covariate for Na_mean



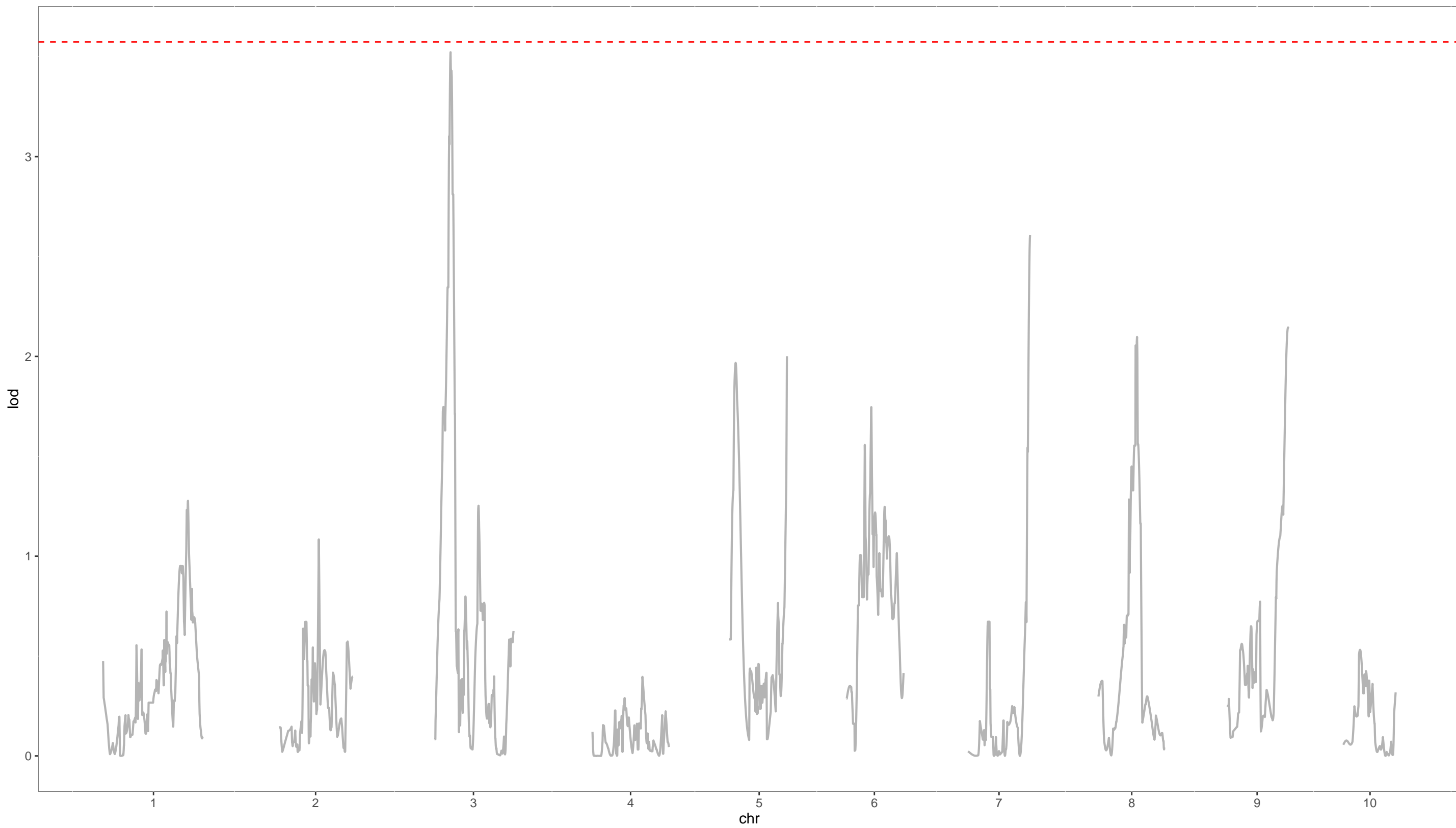
QTL analysis for int_additive covariate for Na_ratio



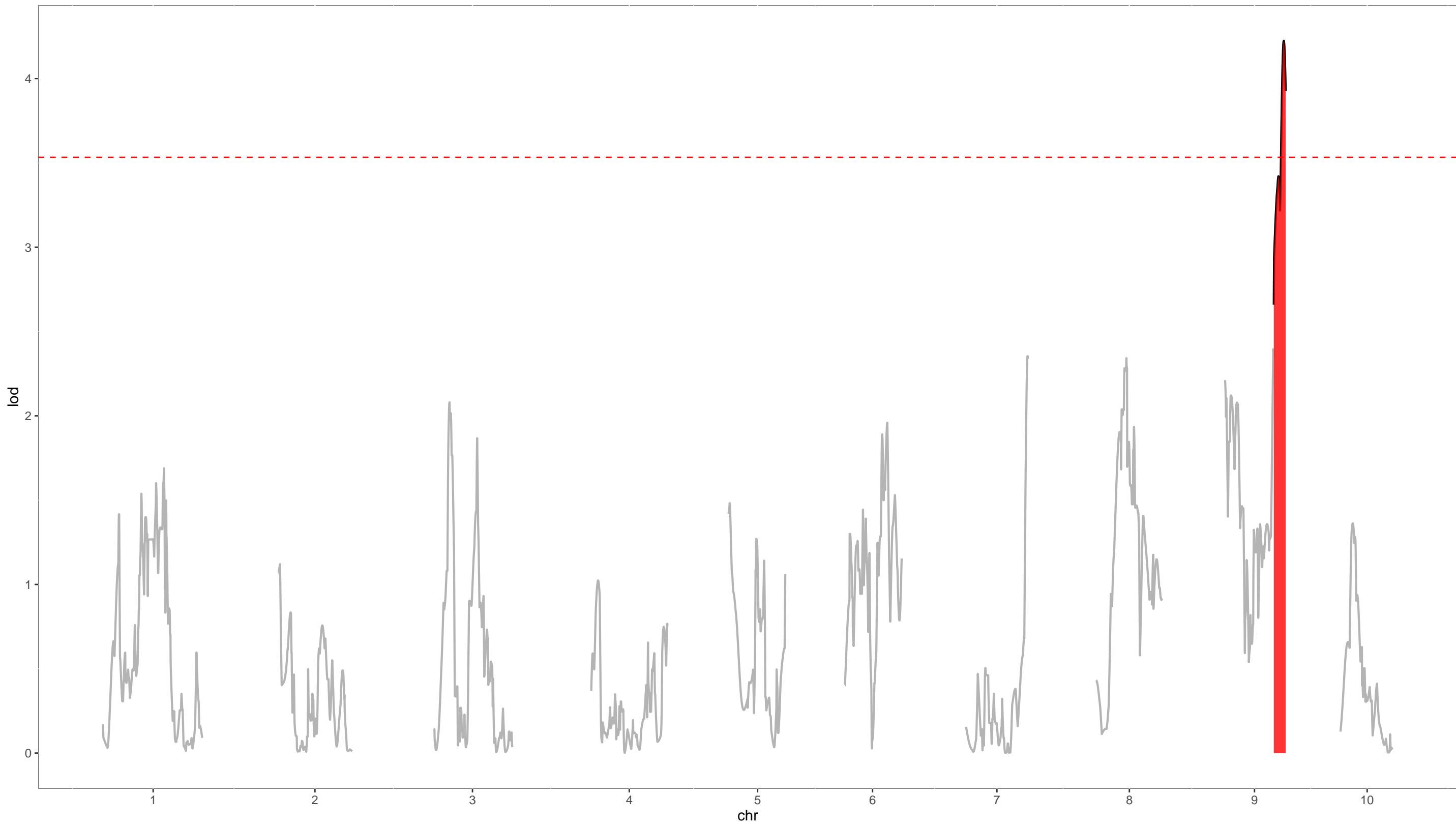
QTL analysis for int_additive covariate for Na_seed



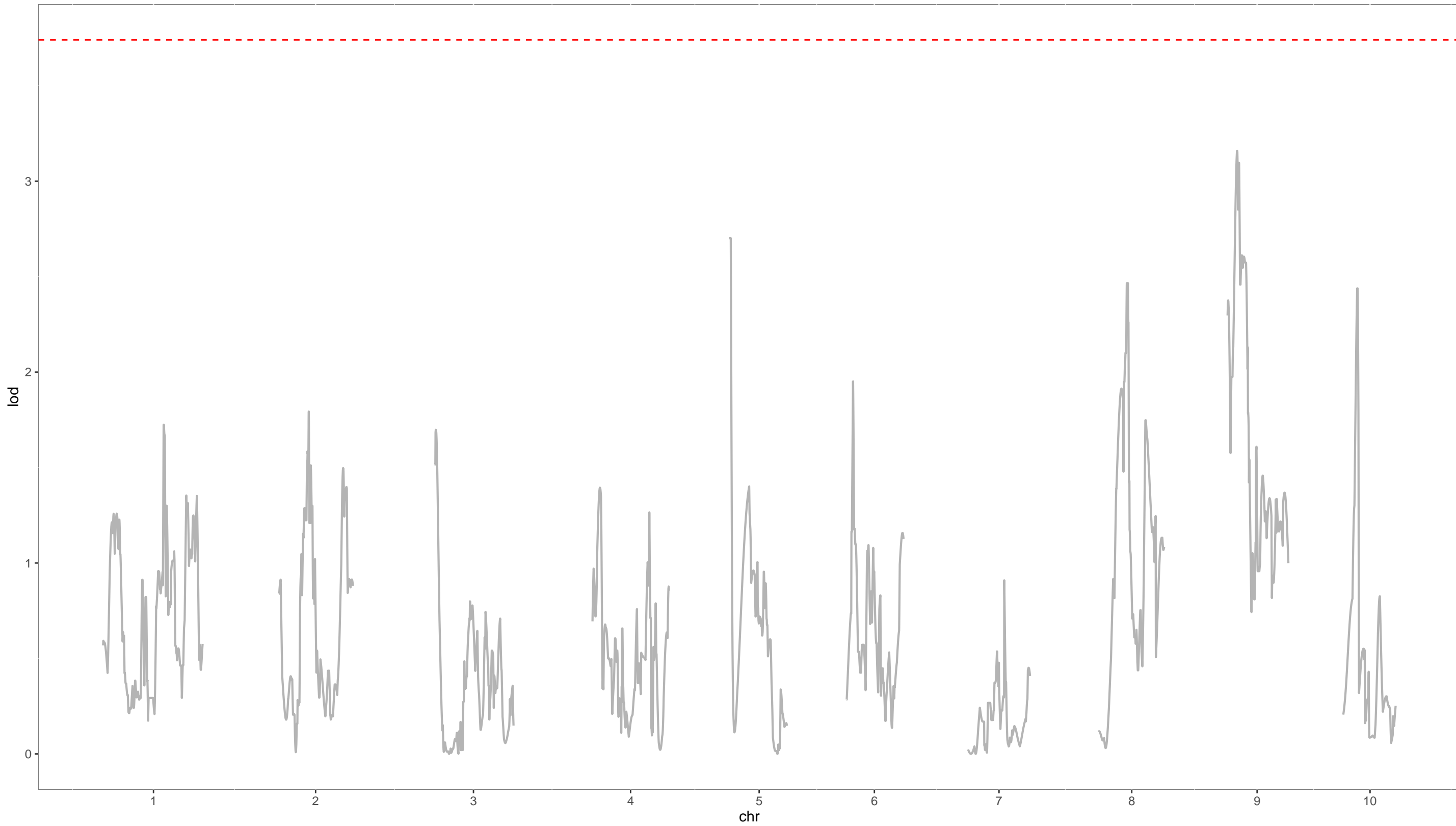
QTL analysis for int_additive covariate for Ni_leaf



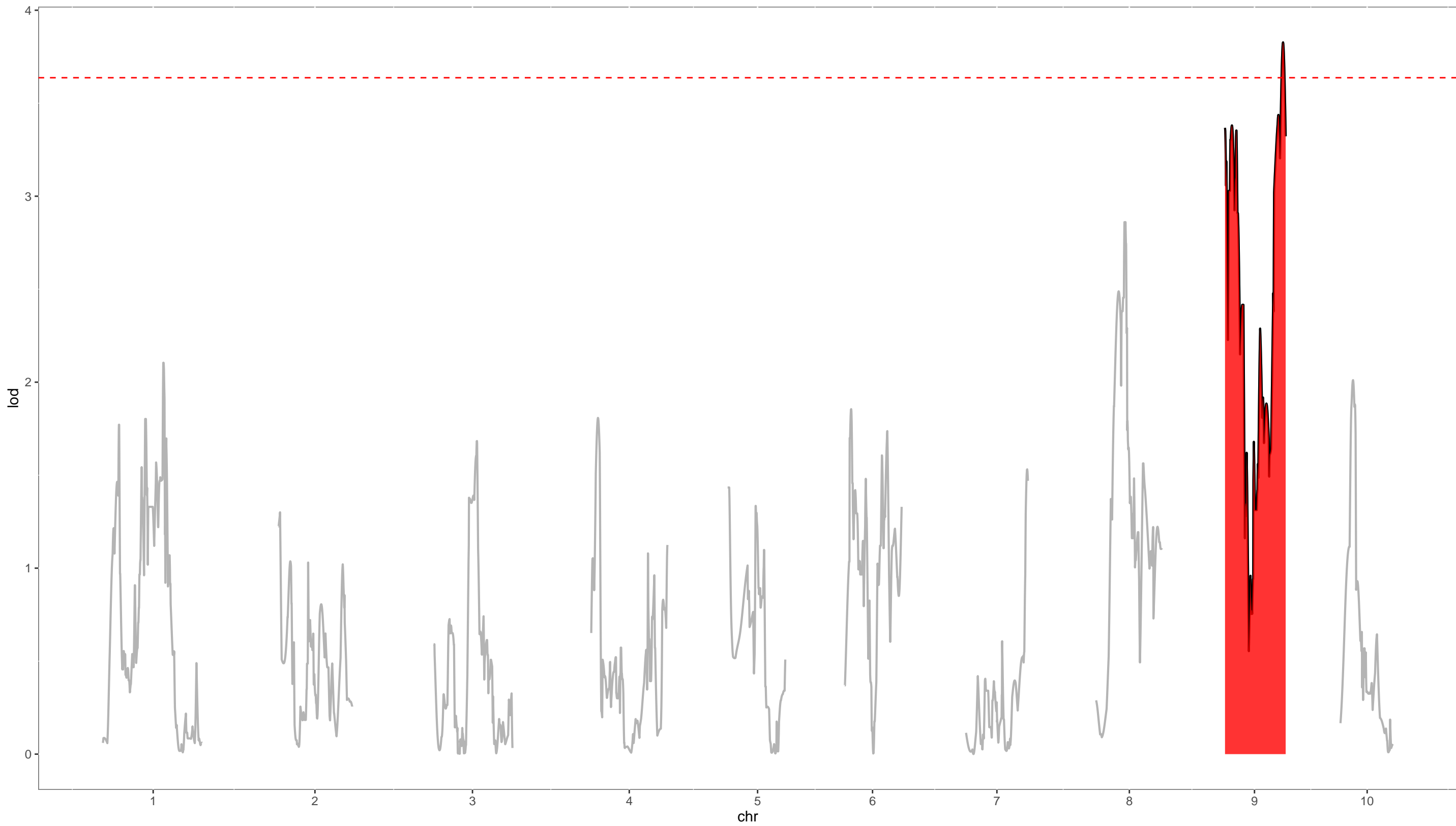
QTL analysis for int_additive covariate for Ni_mean



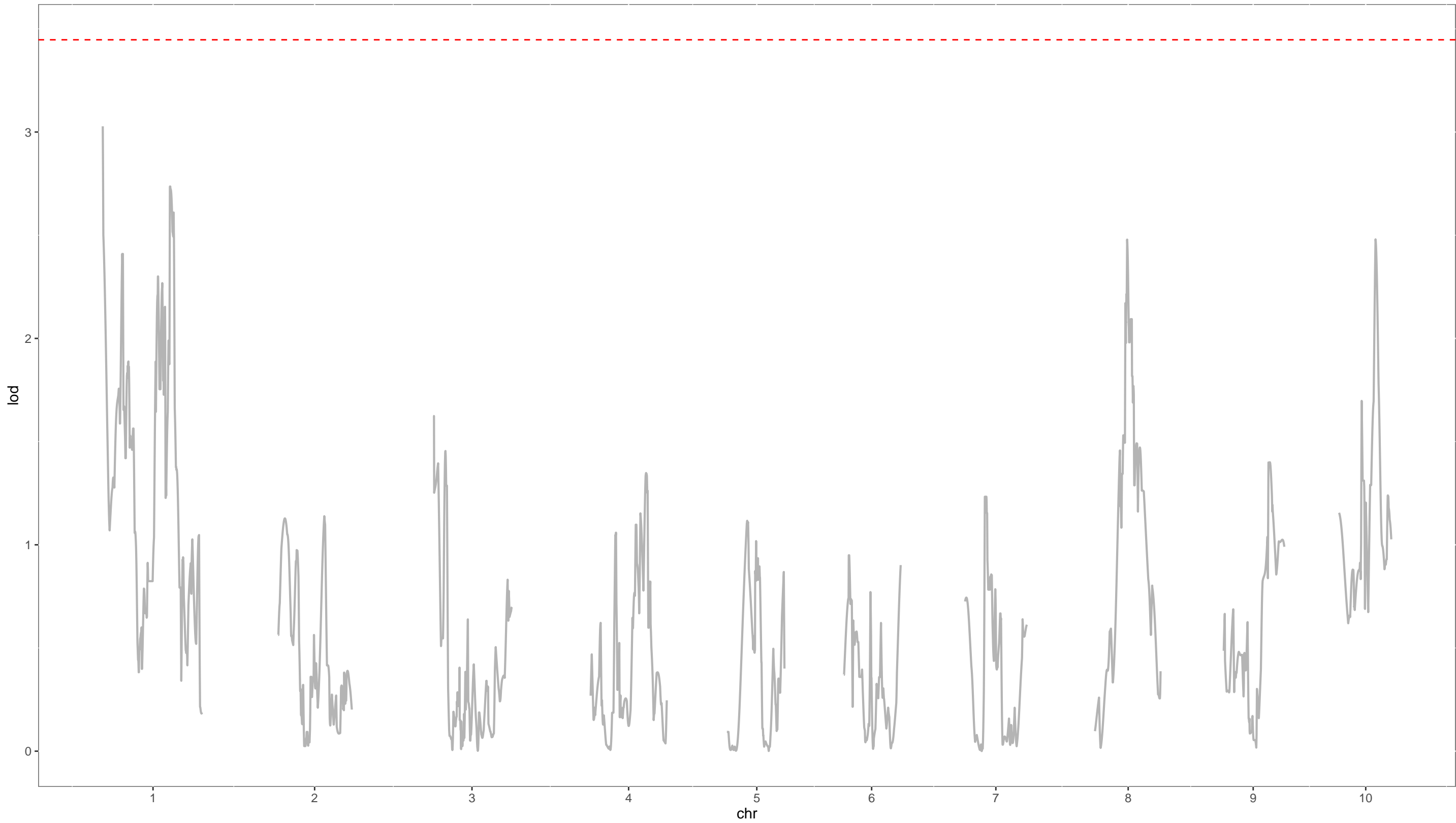
QTL analysis for int_additive covariate for Ni_ratio



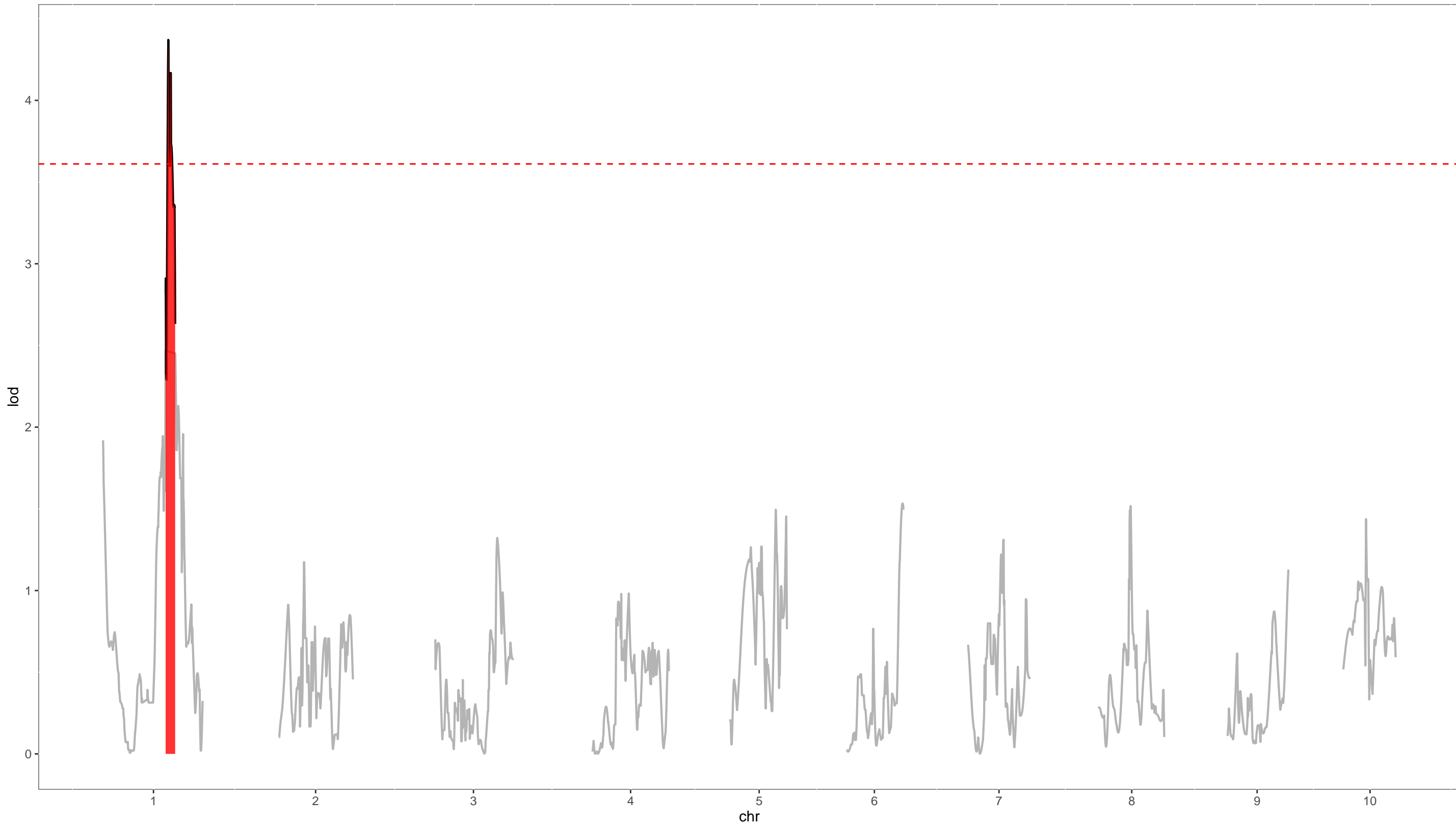
QTL analysis for int_additive covariate for Ni_seed



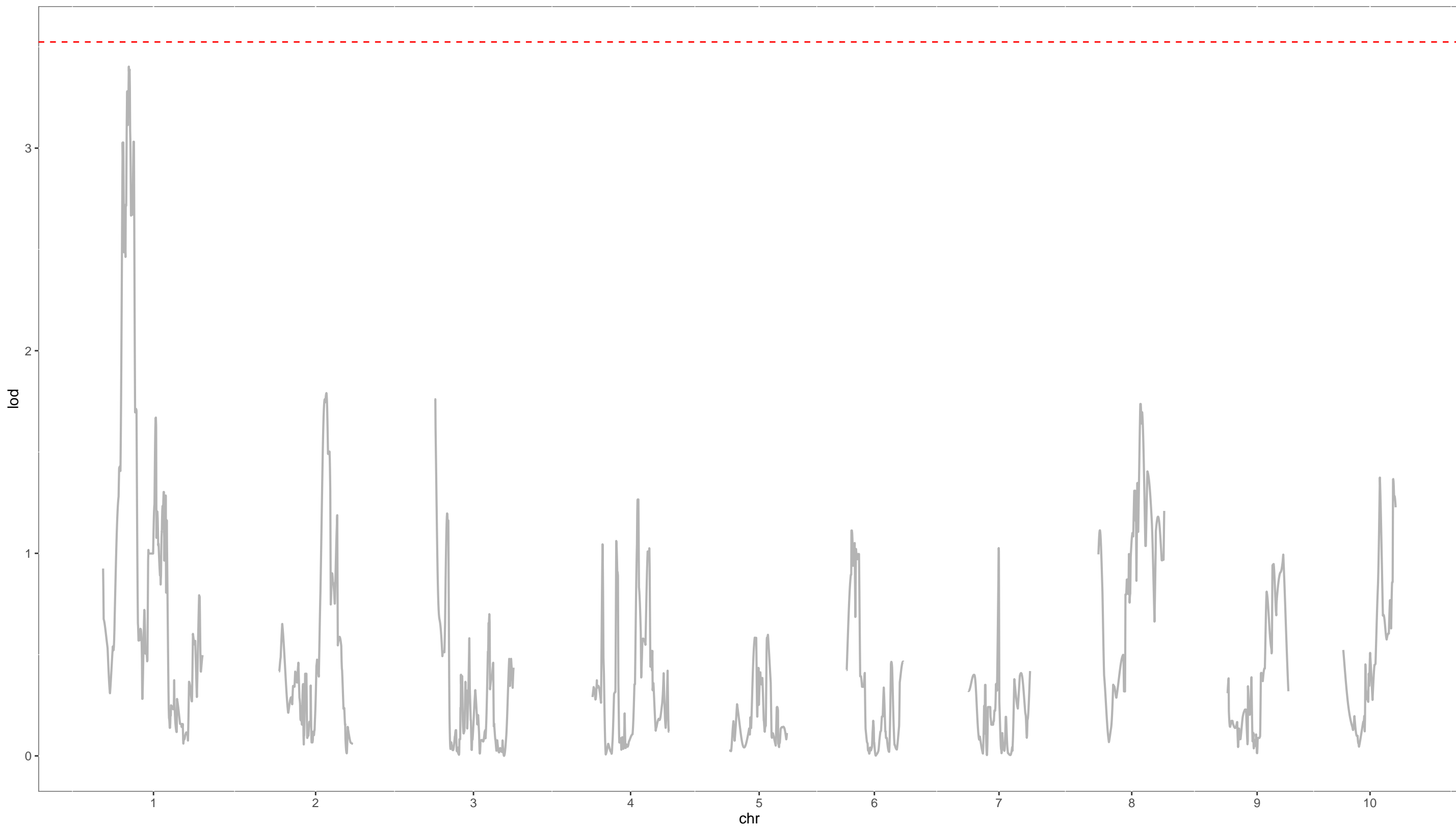
QTL analysis for int_additive covariate for P_leaf



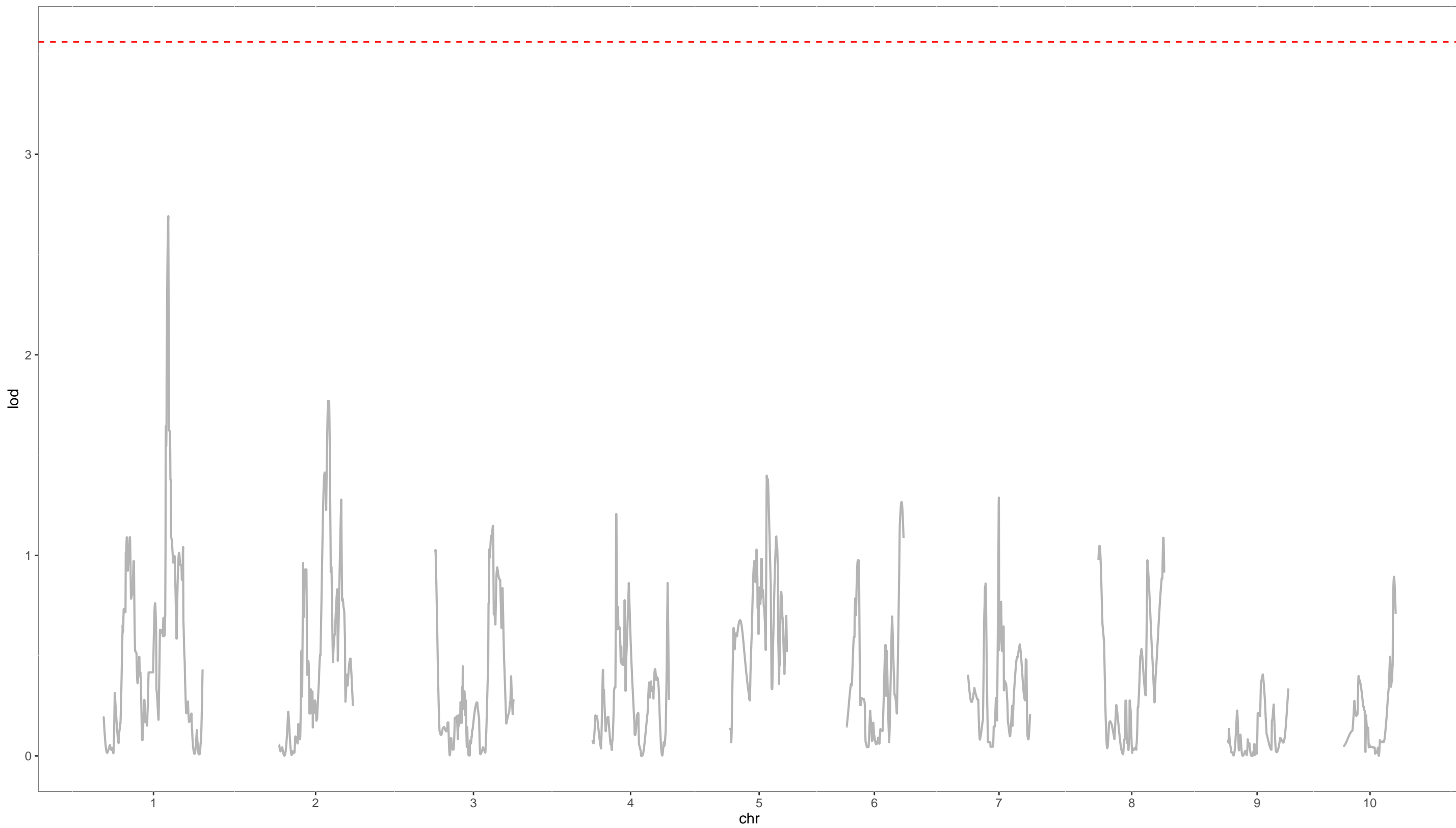
QTL analysis for int_additive covariate for P_mean



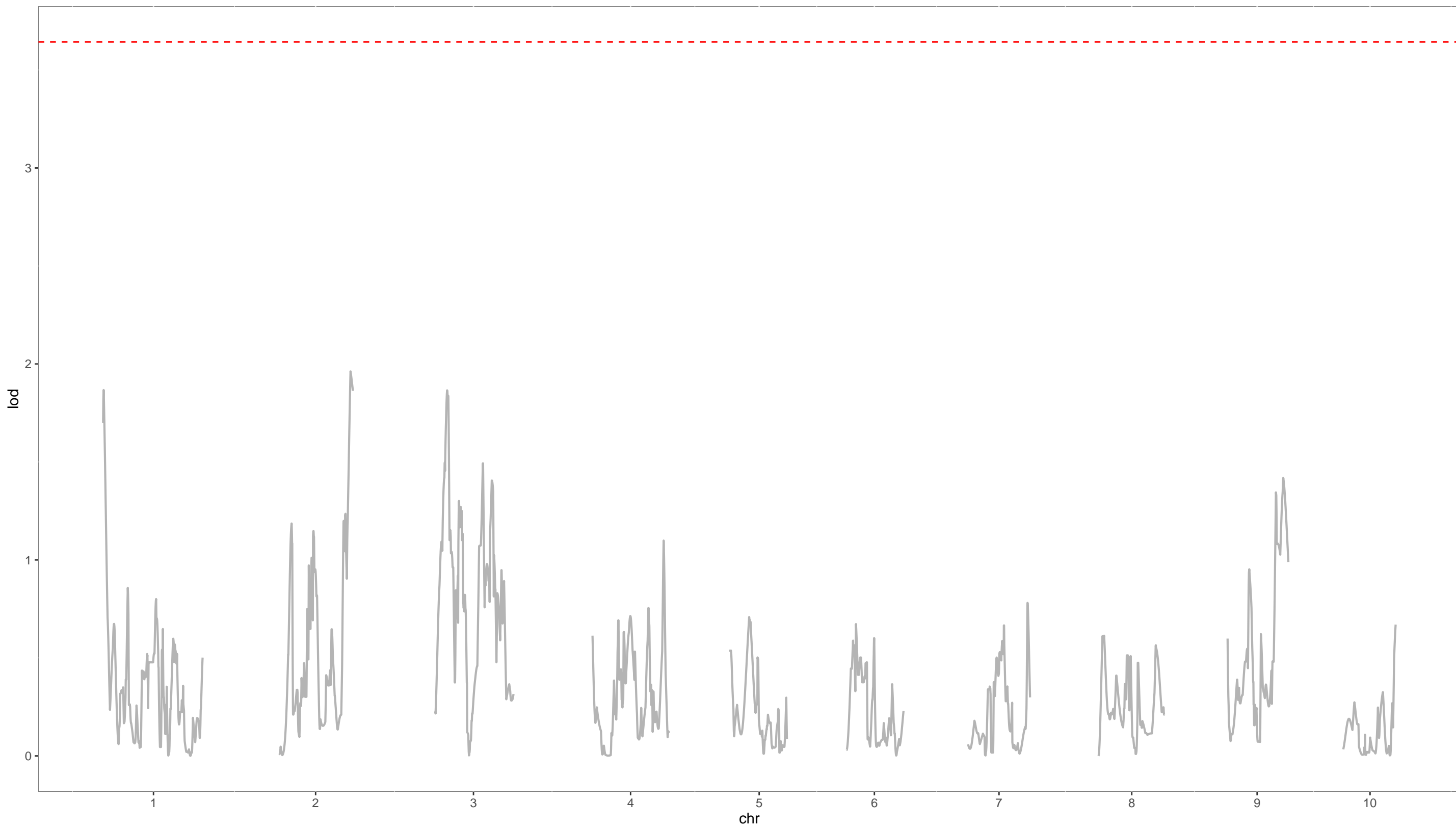
QTL analysis for int_additive covariate for P_ratio



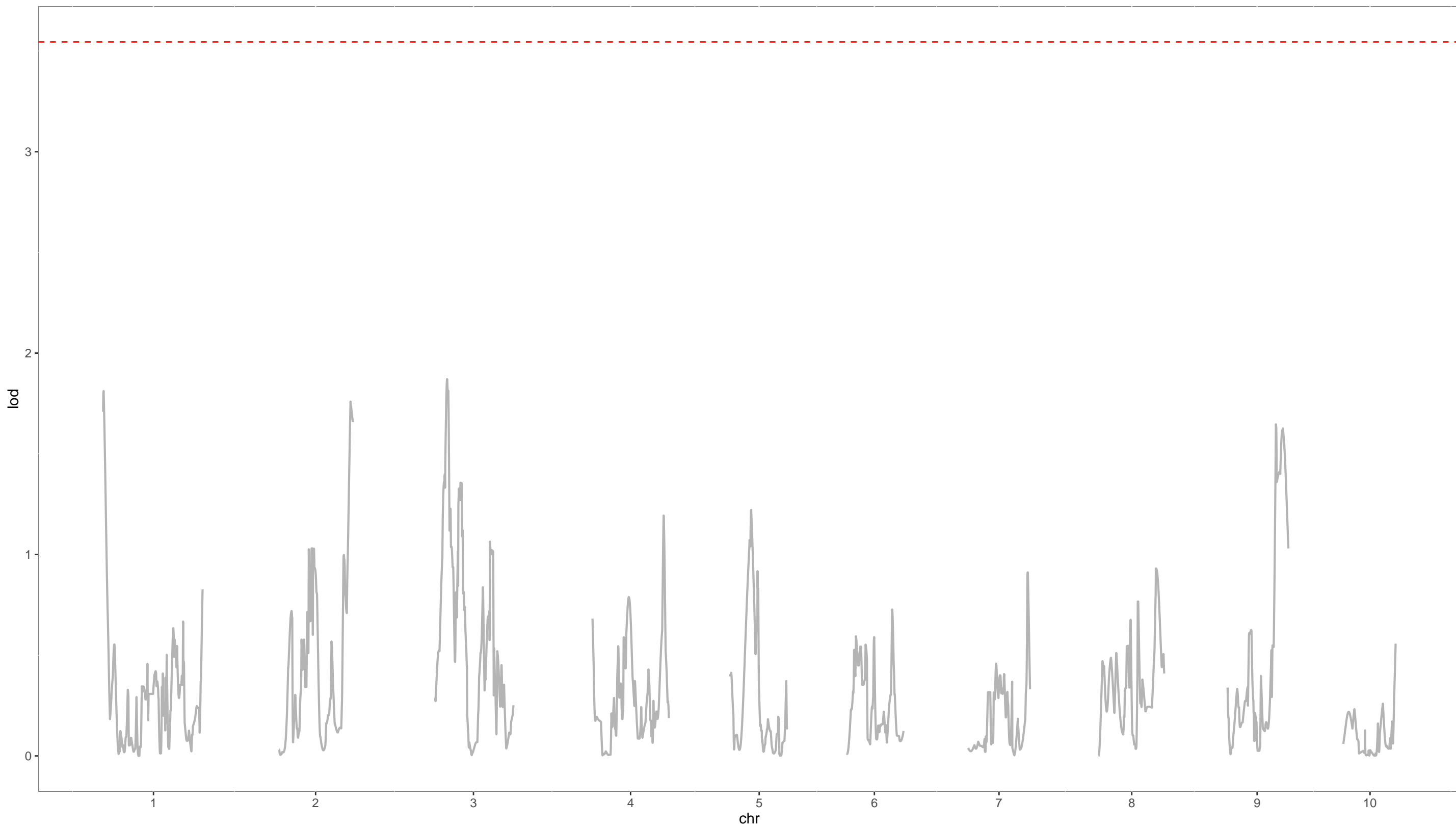
QTL analysis for int_additive covariate for P_seed



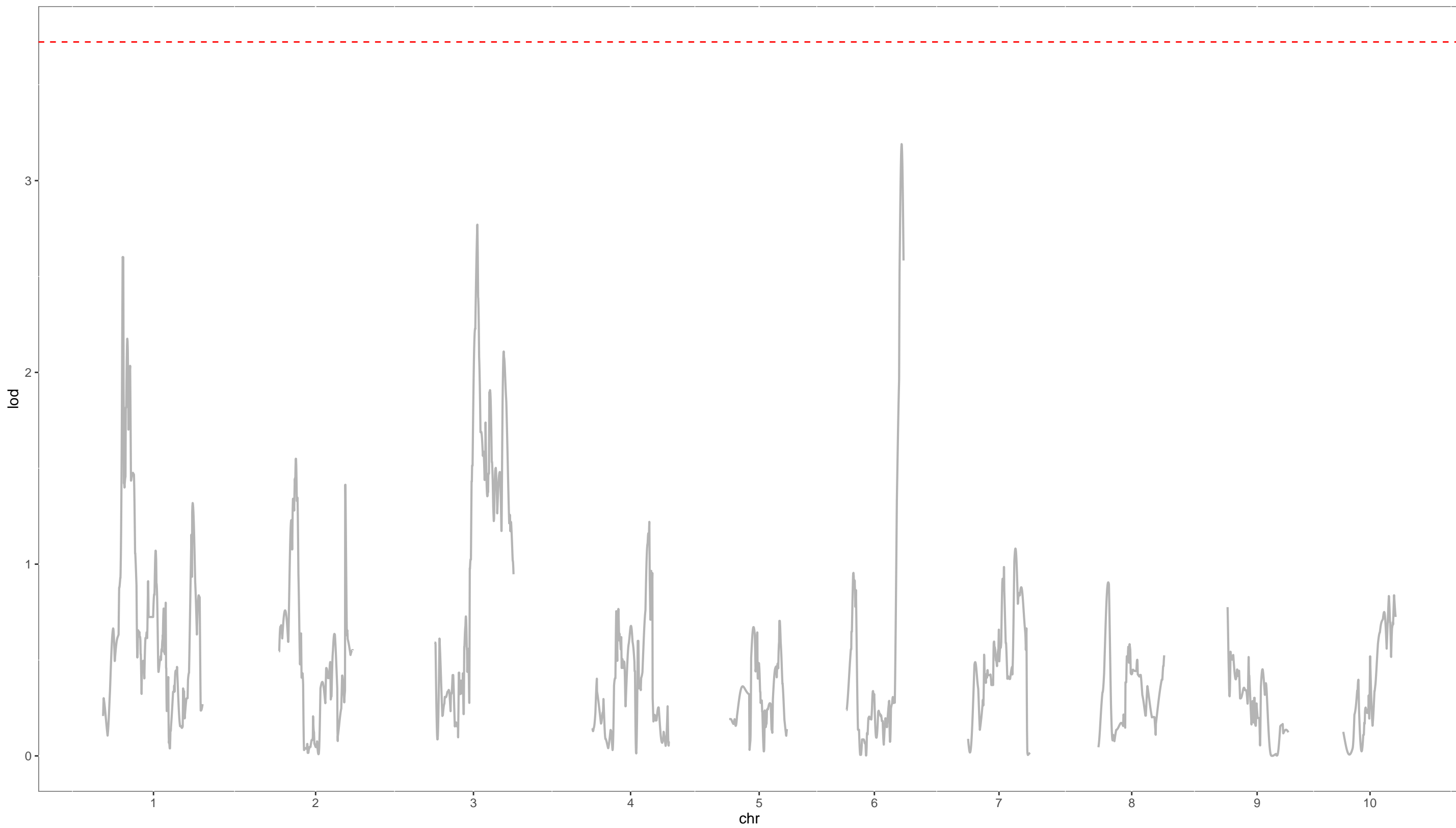
QTL analysis for int_additive covariate for Rb_leaf



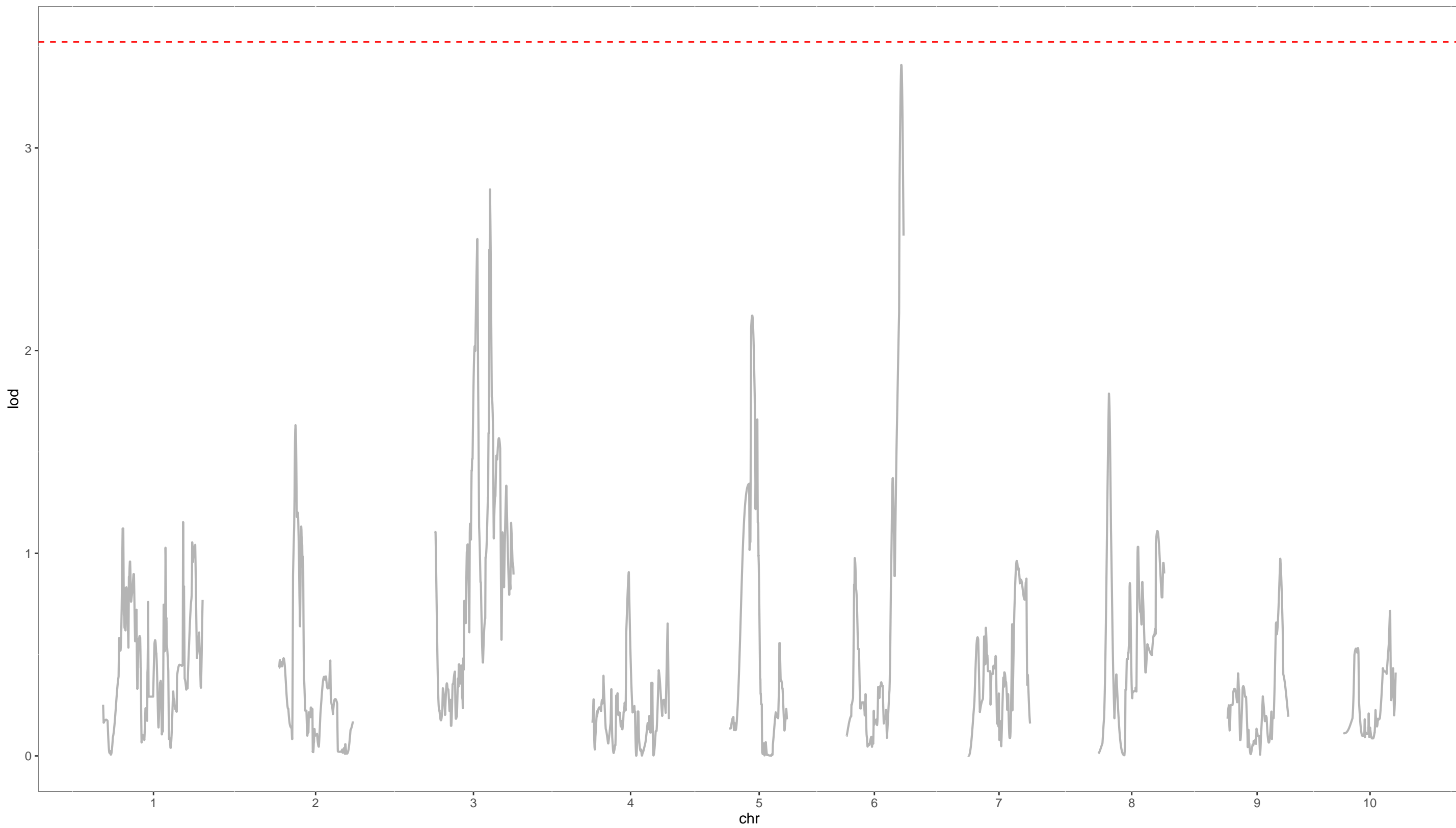
QTL analysis for int_additive covariate for Rb_mean



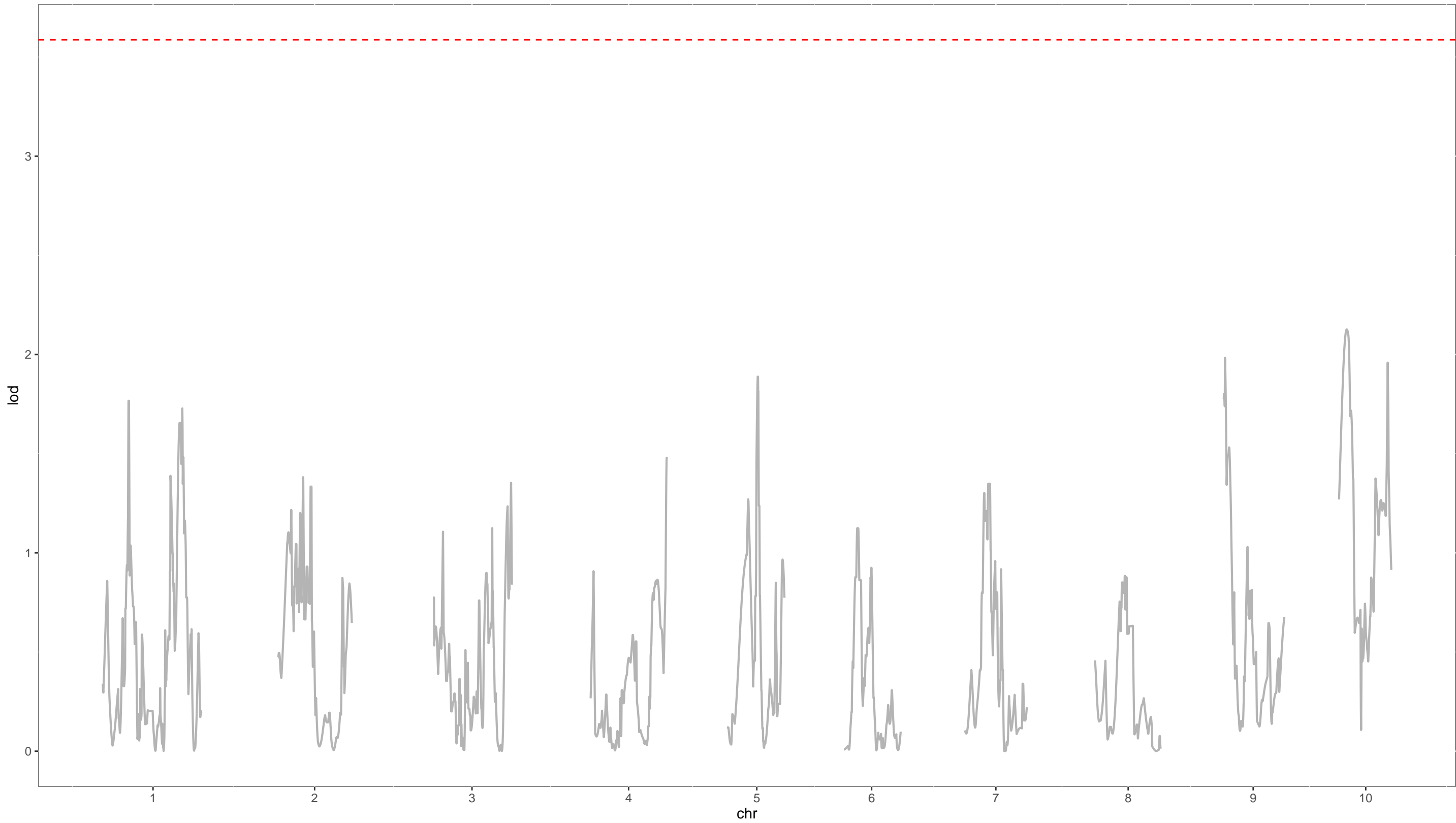
QTL analysis for int_additive covariate for Rb_ratio



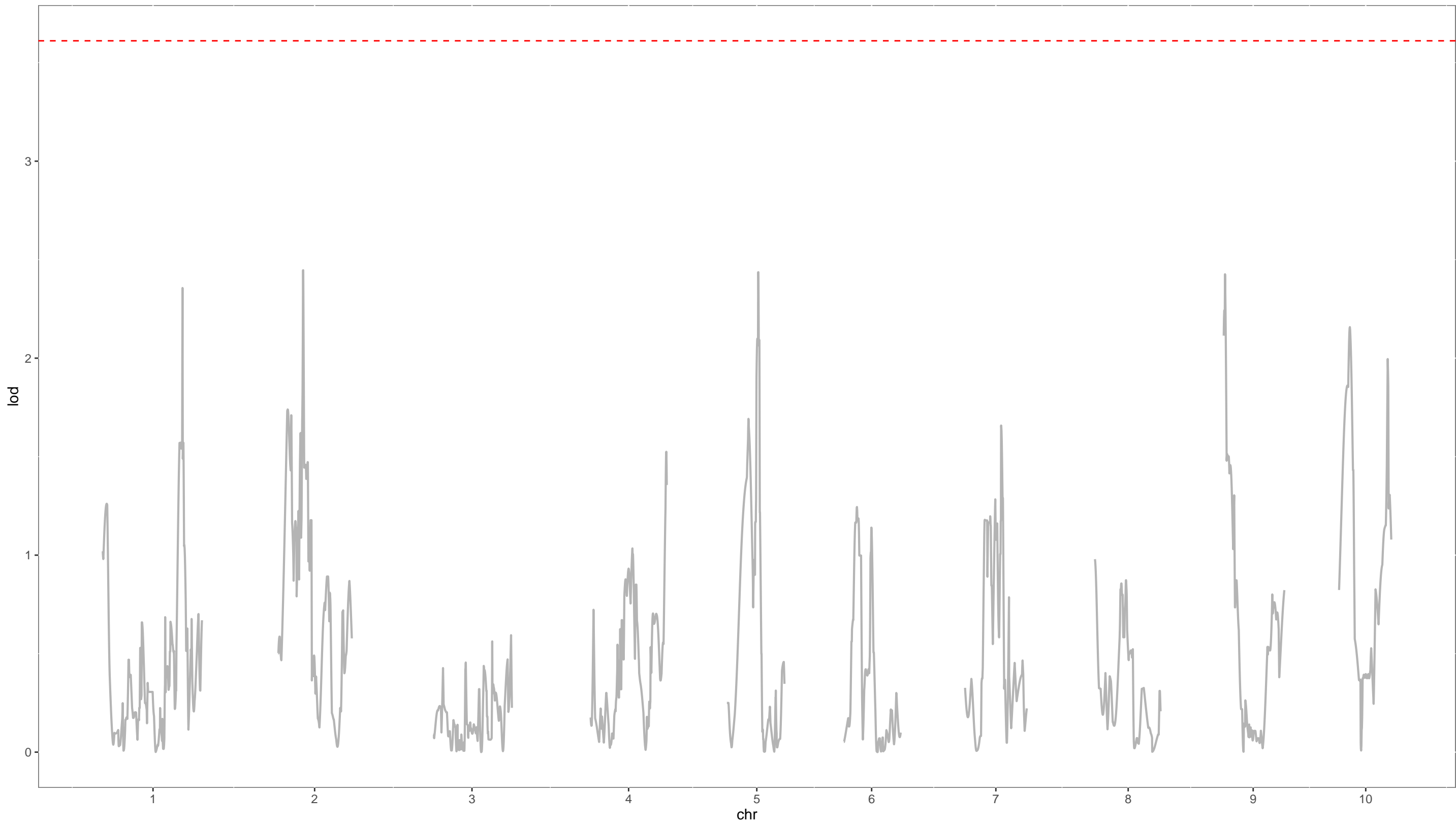
QTL analysis for int_additive covariate for Rb_seed



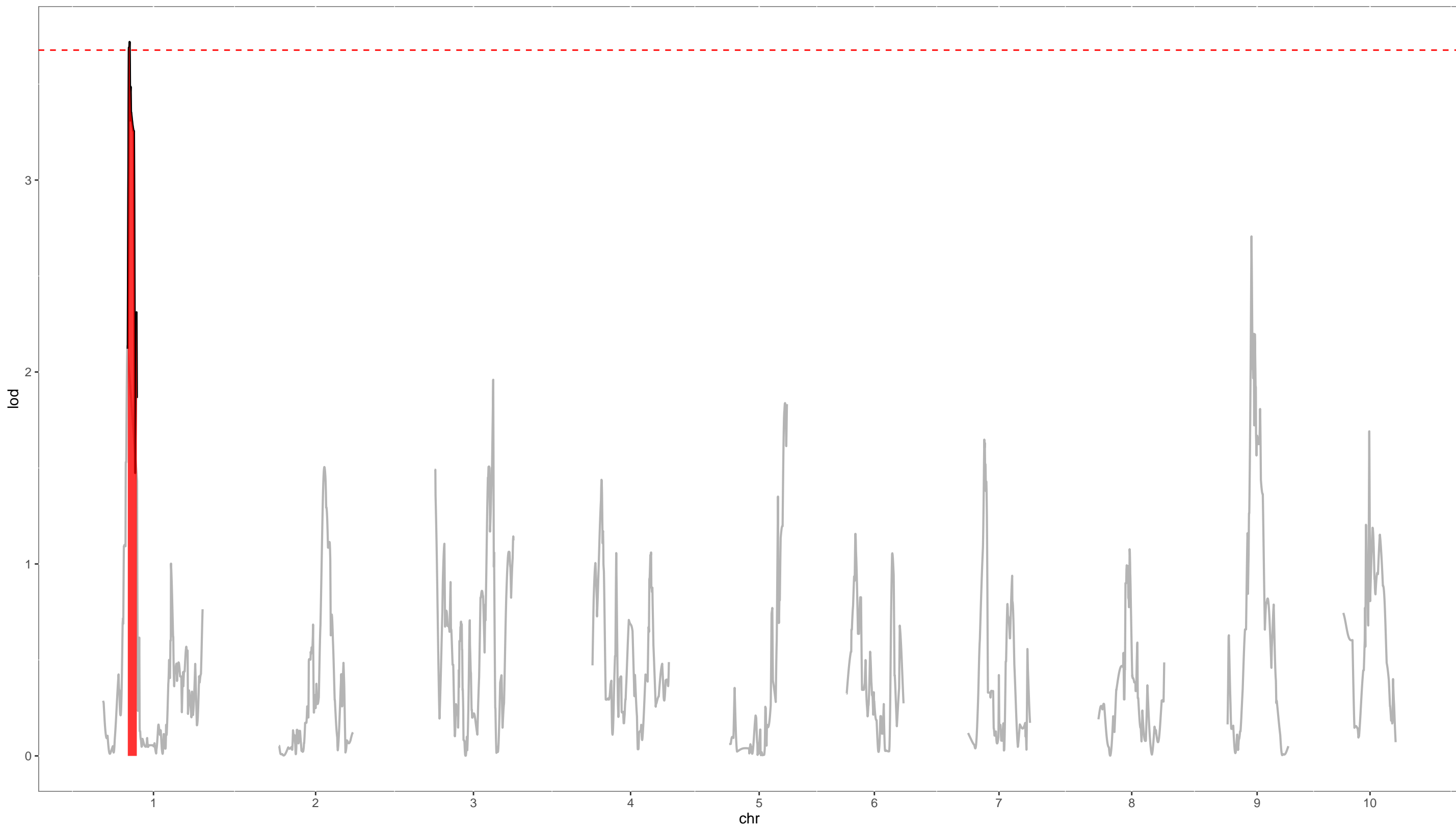
QTL analysis for int_additive covariate for S_leaf



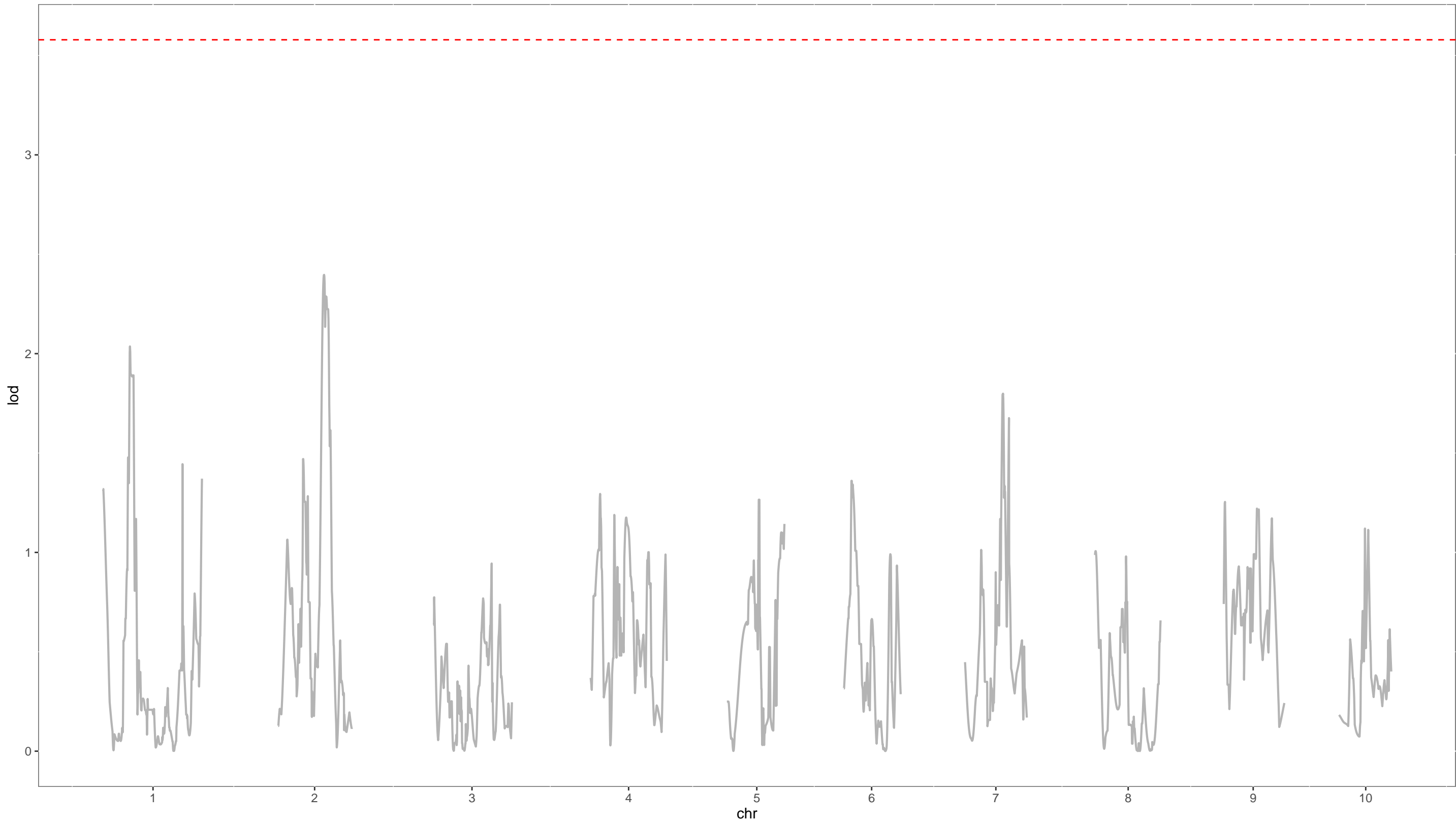
QTL analysis for int_additive covariate for S_mean



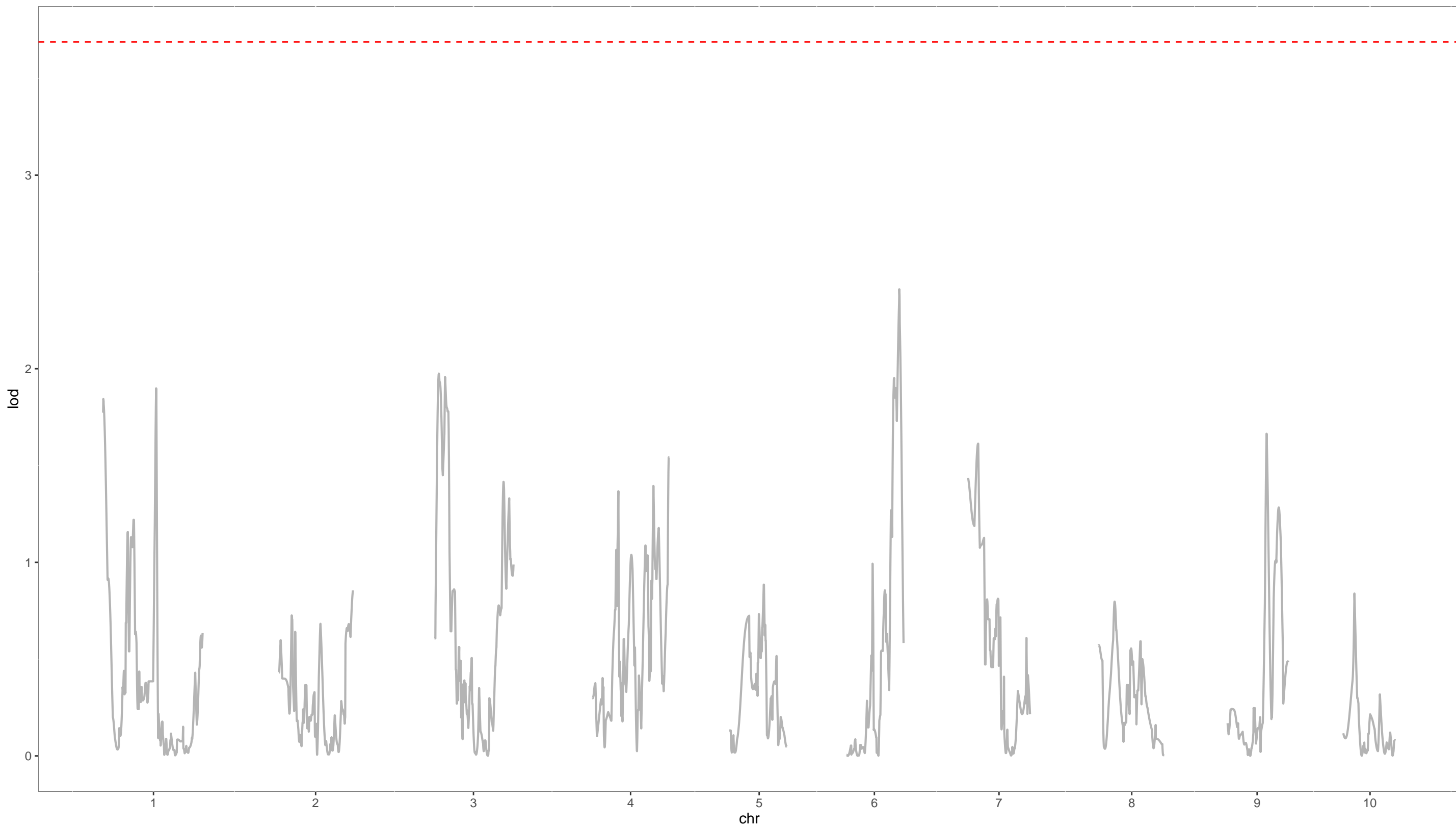
QTL analysis for int_additive covariate for S_ratio



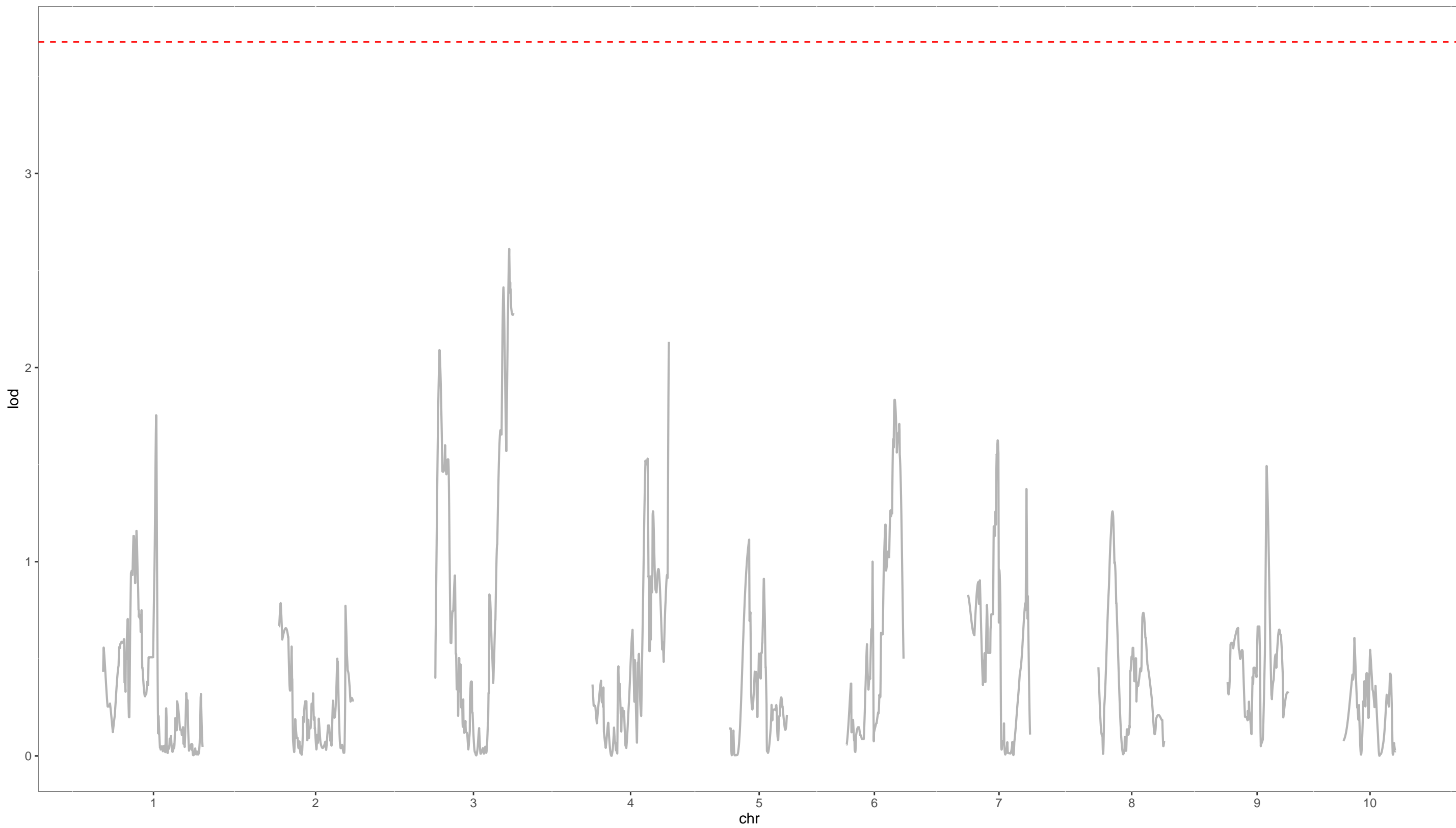
QTL analysis for int_additive covariate for S_seed



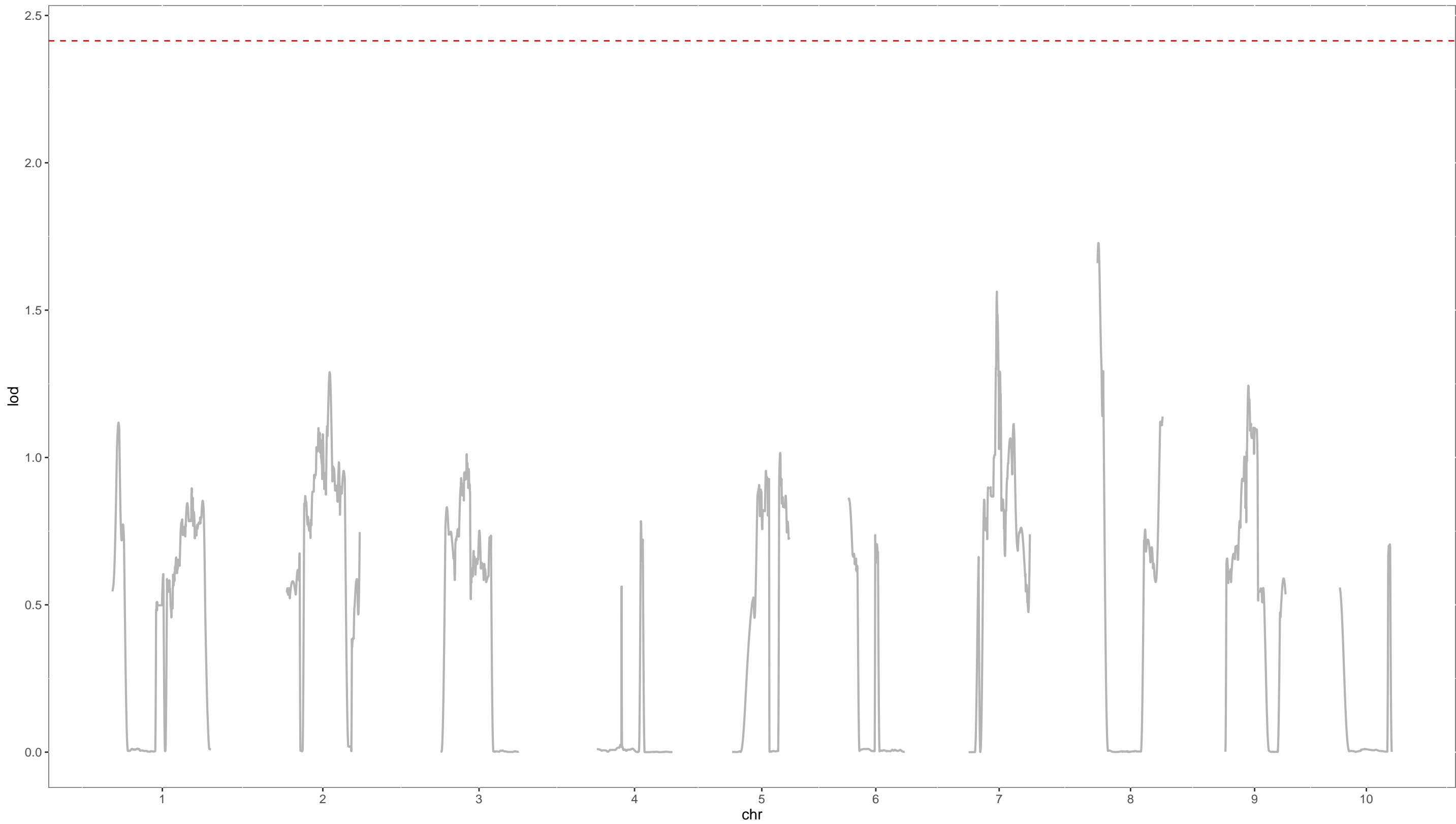
QTL analysis for int_additive covariate for Se_leaf



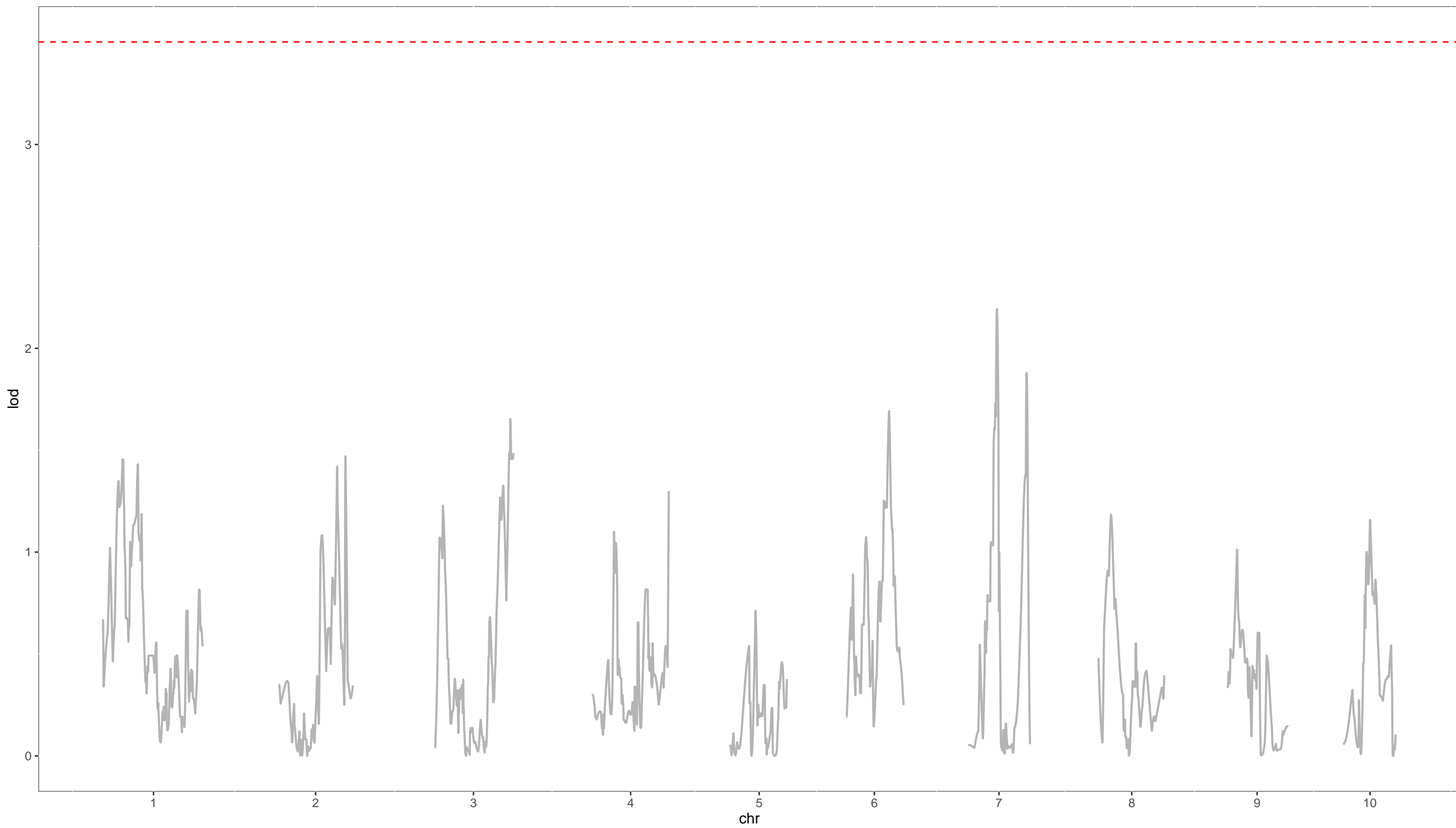
QTL analysis for int_additive covariate for Se_mean



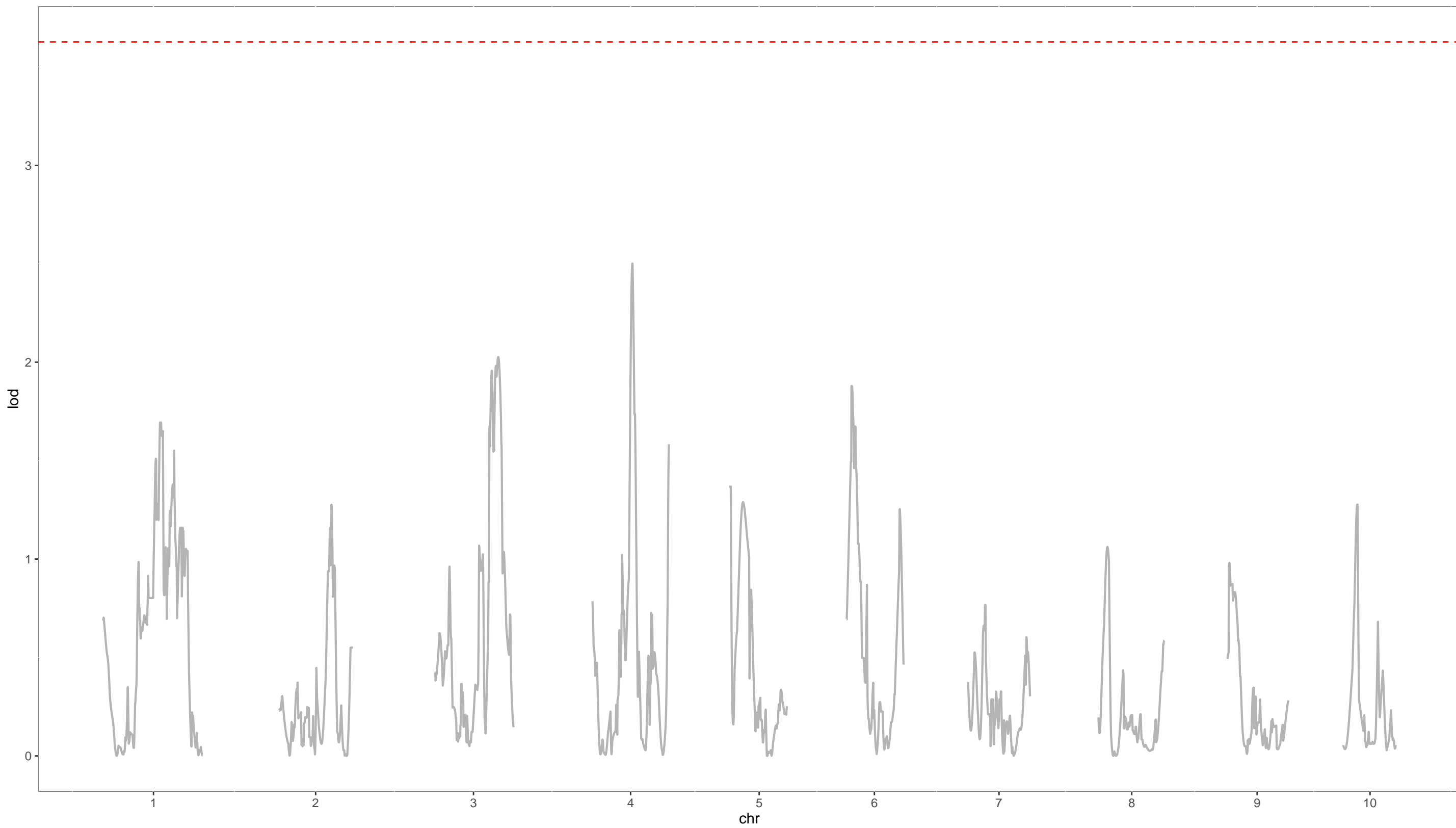
QTL analysis for int_additive covariate for Se_ratio



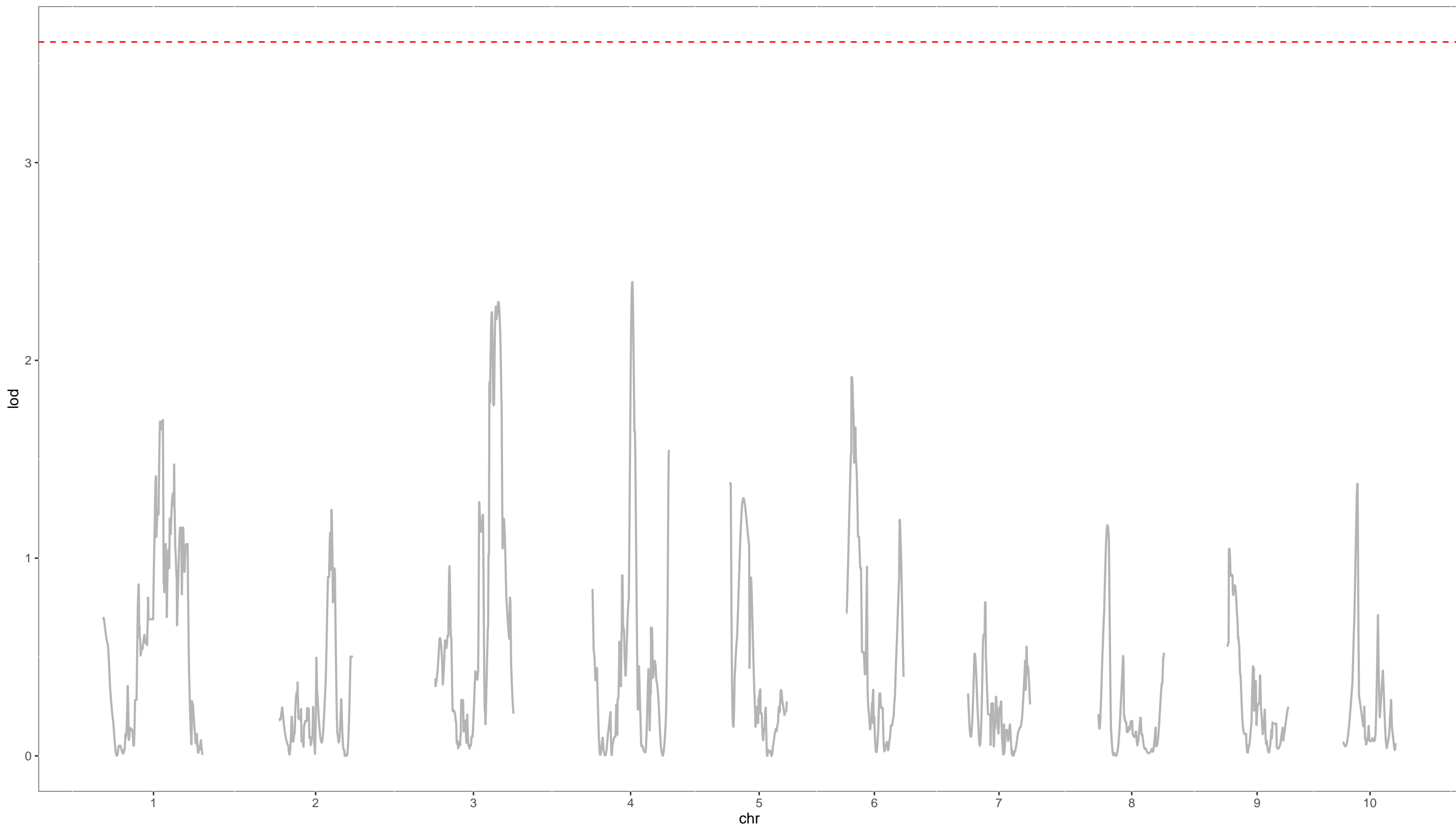
QTL analysis for int_additive covariate for Se_seed



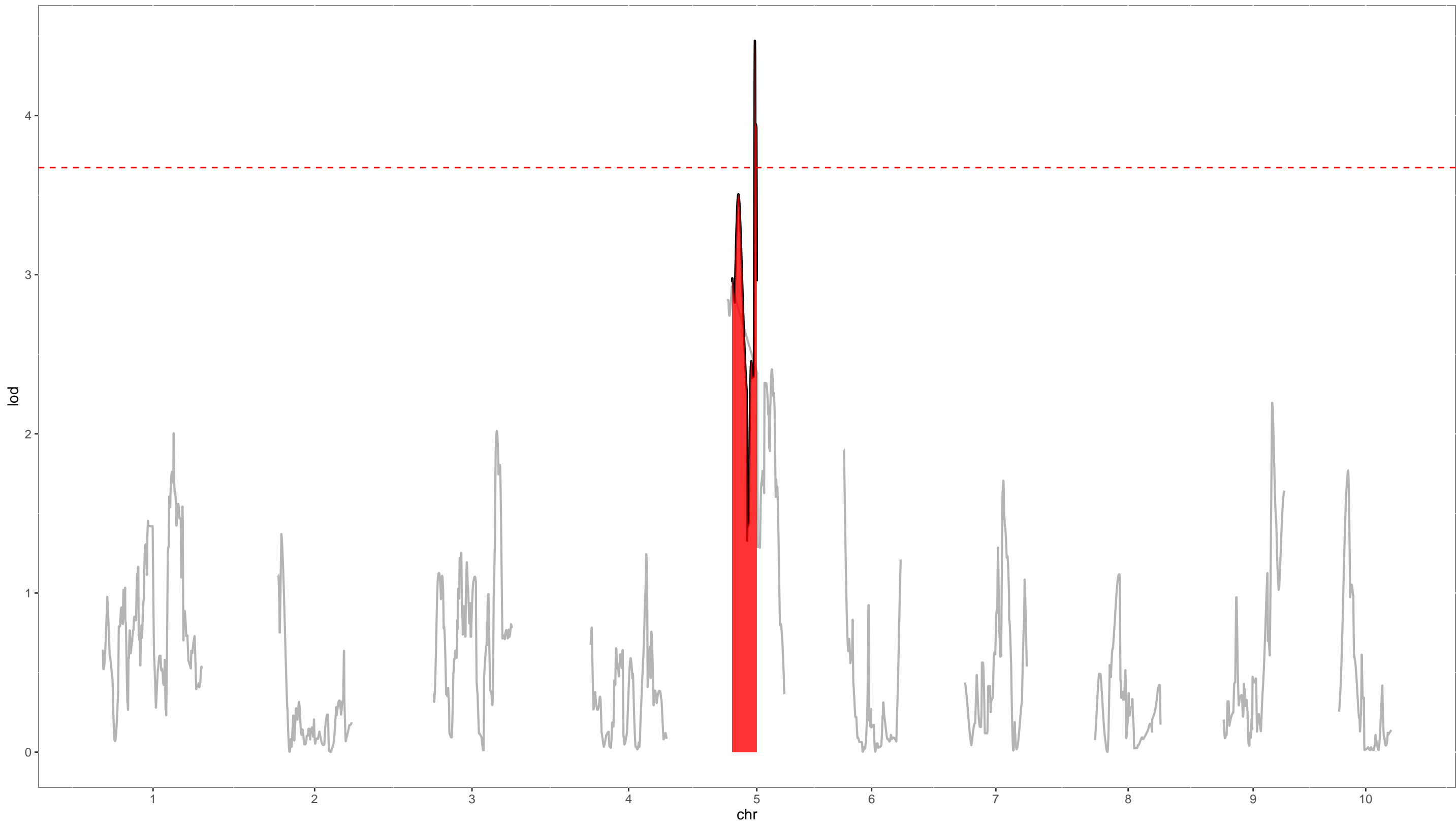
QTL analysis for int_additive covariate for Sr_leaf



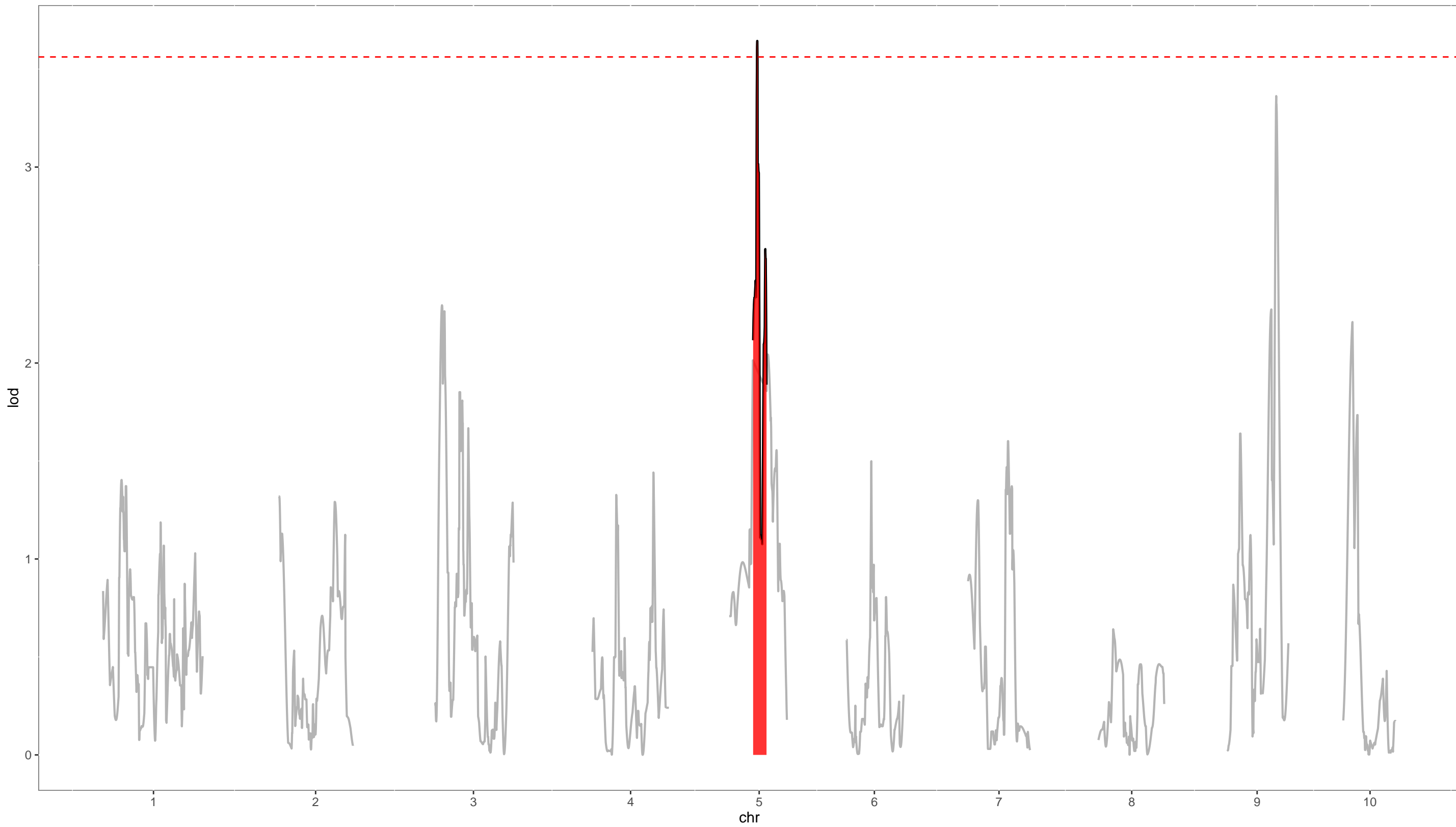
QTL analysis for int_additive covariate for Sr_mean



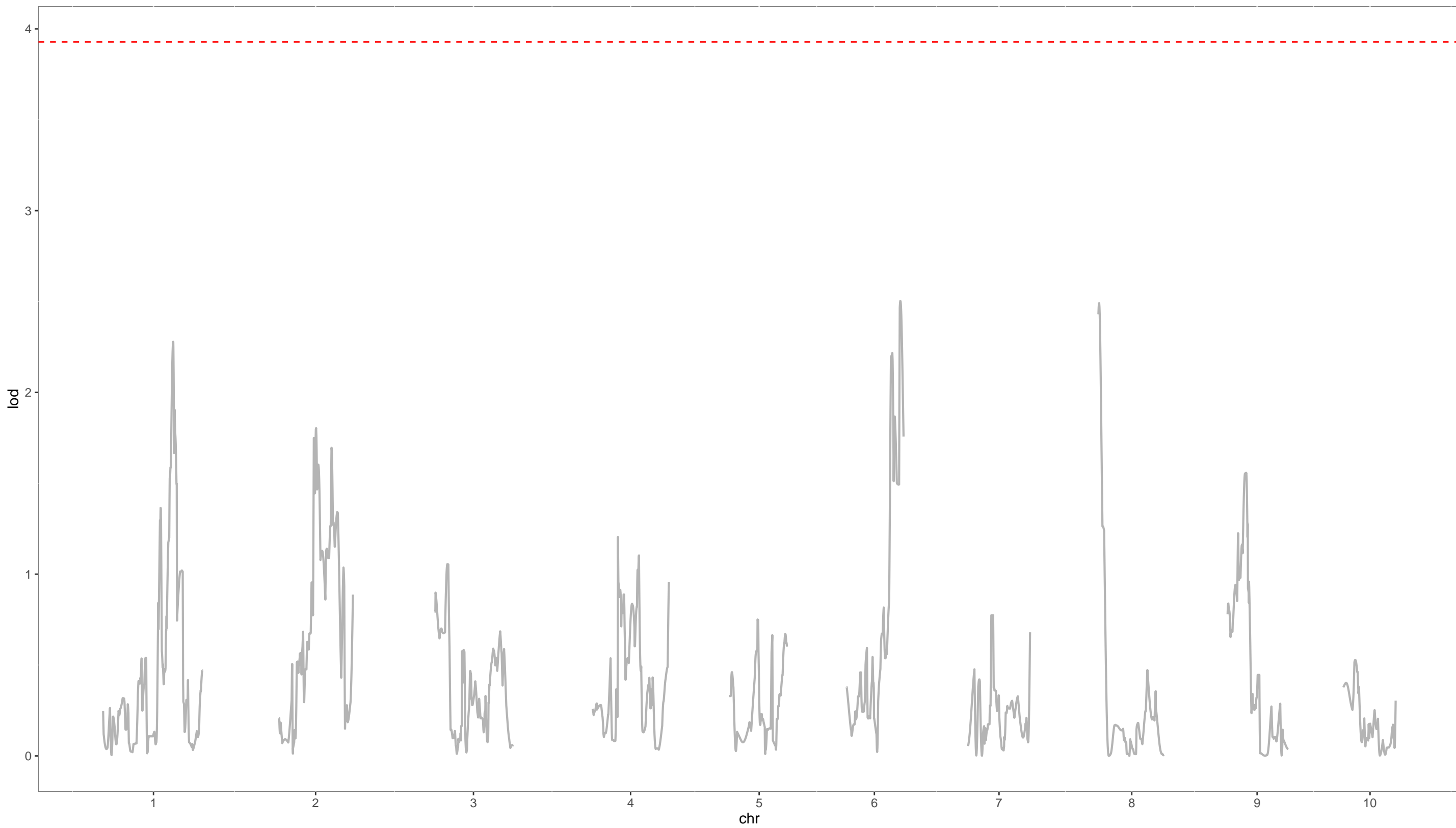
QTL analysis for int_additive covariate for Sr_ratio



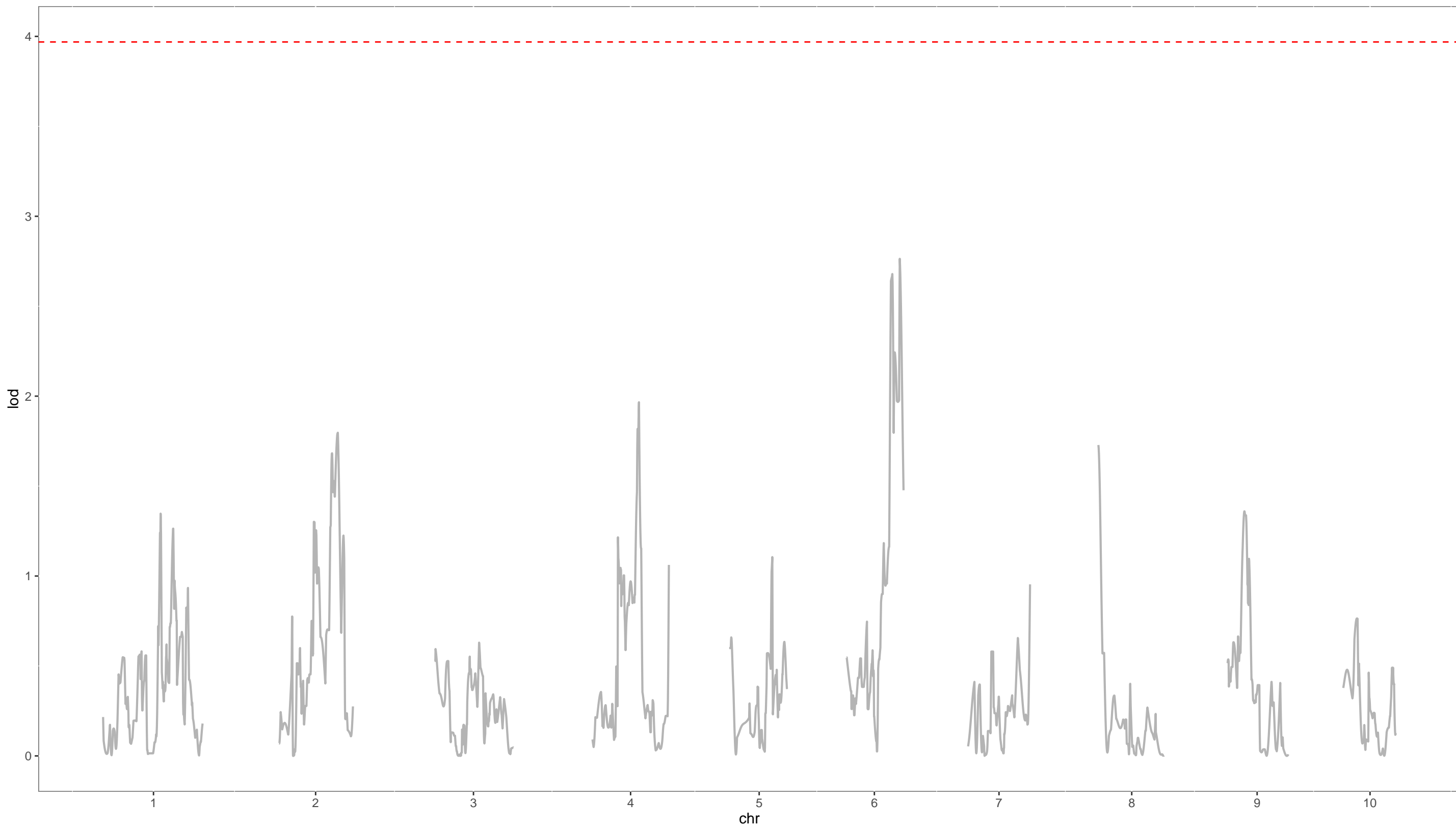
QTL analysis for int_additive covariate for Sr_seed



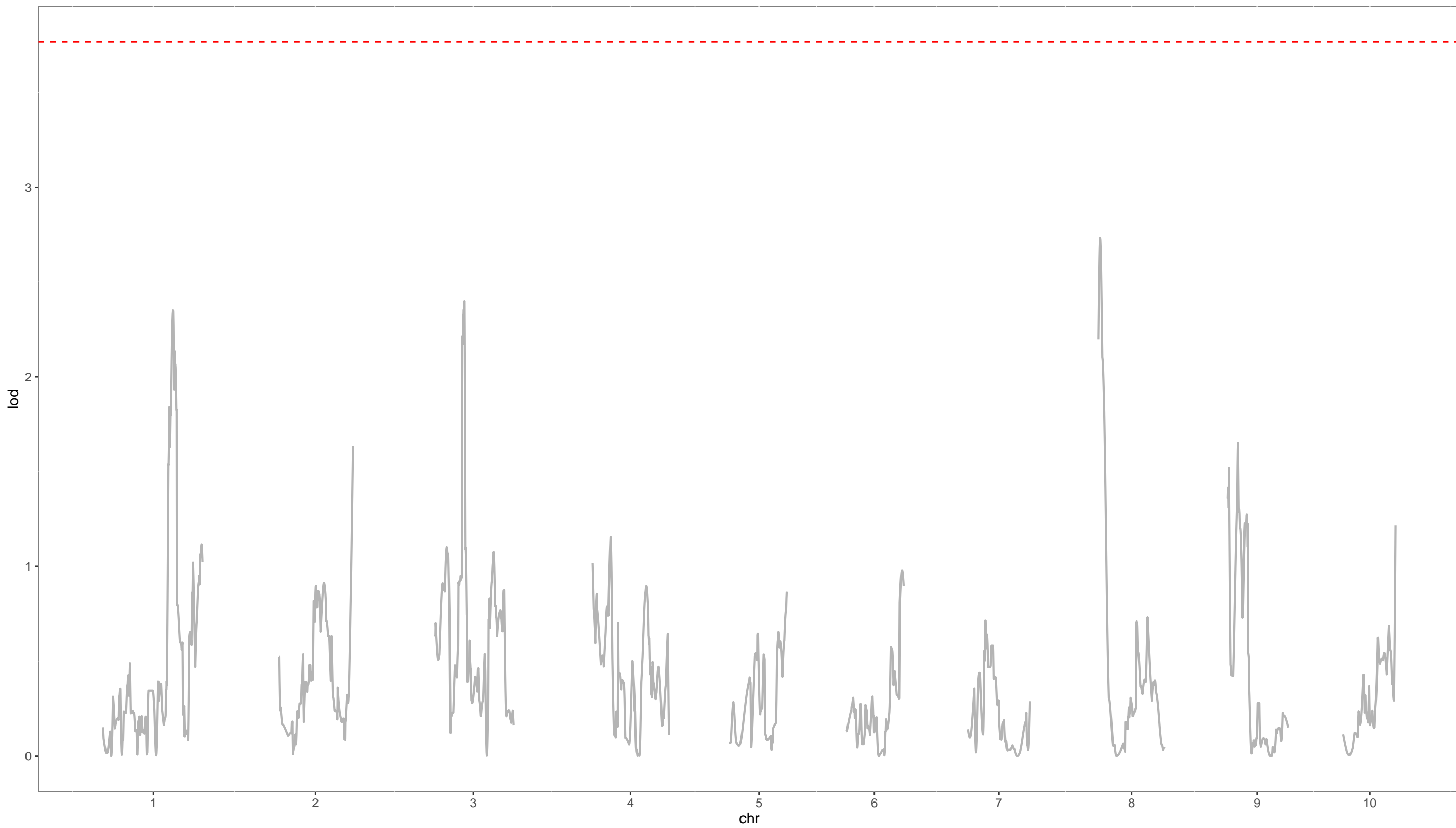
QTL analysis for int_additive covariate for Zn_leaf



QTL analysis for int_additive covariate for Zn_mean



QTL analysis for int_additive covariate for Zn_ratio



QTL analysis for int_additive covariate for Zn_seed

