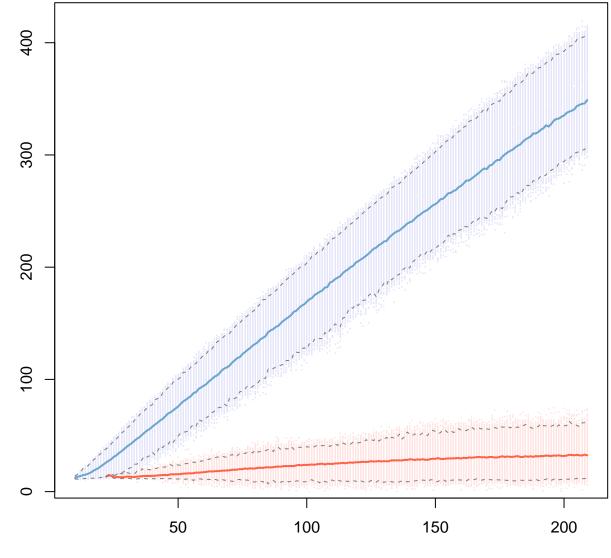Fragment bit scores with HMM constructed without QnrS