D,p vs bw non blocking

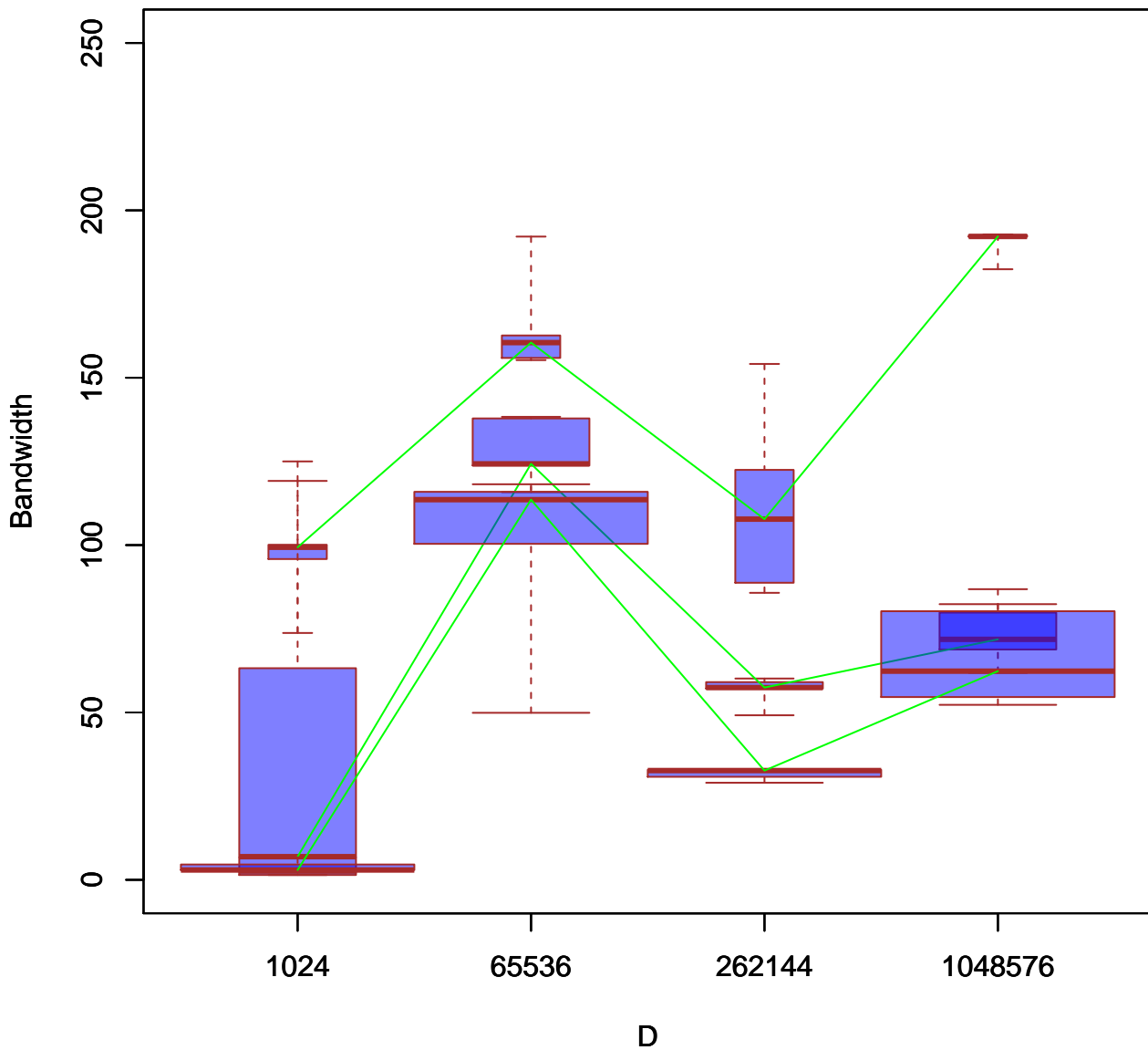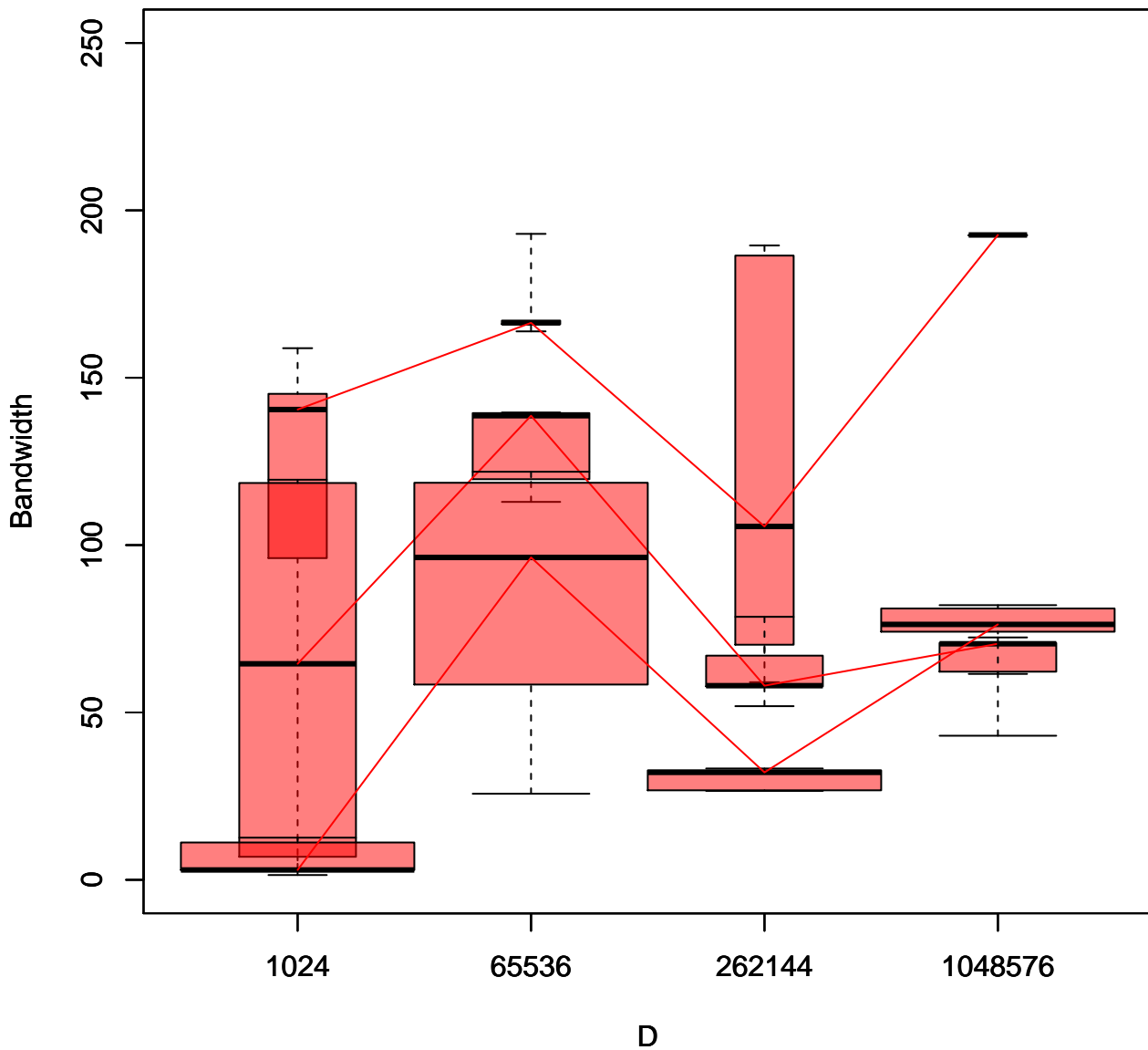**D,p vs bw blocking**

D,p vs bw both