Assembly ad_sig

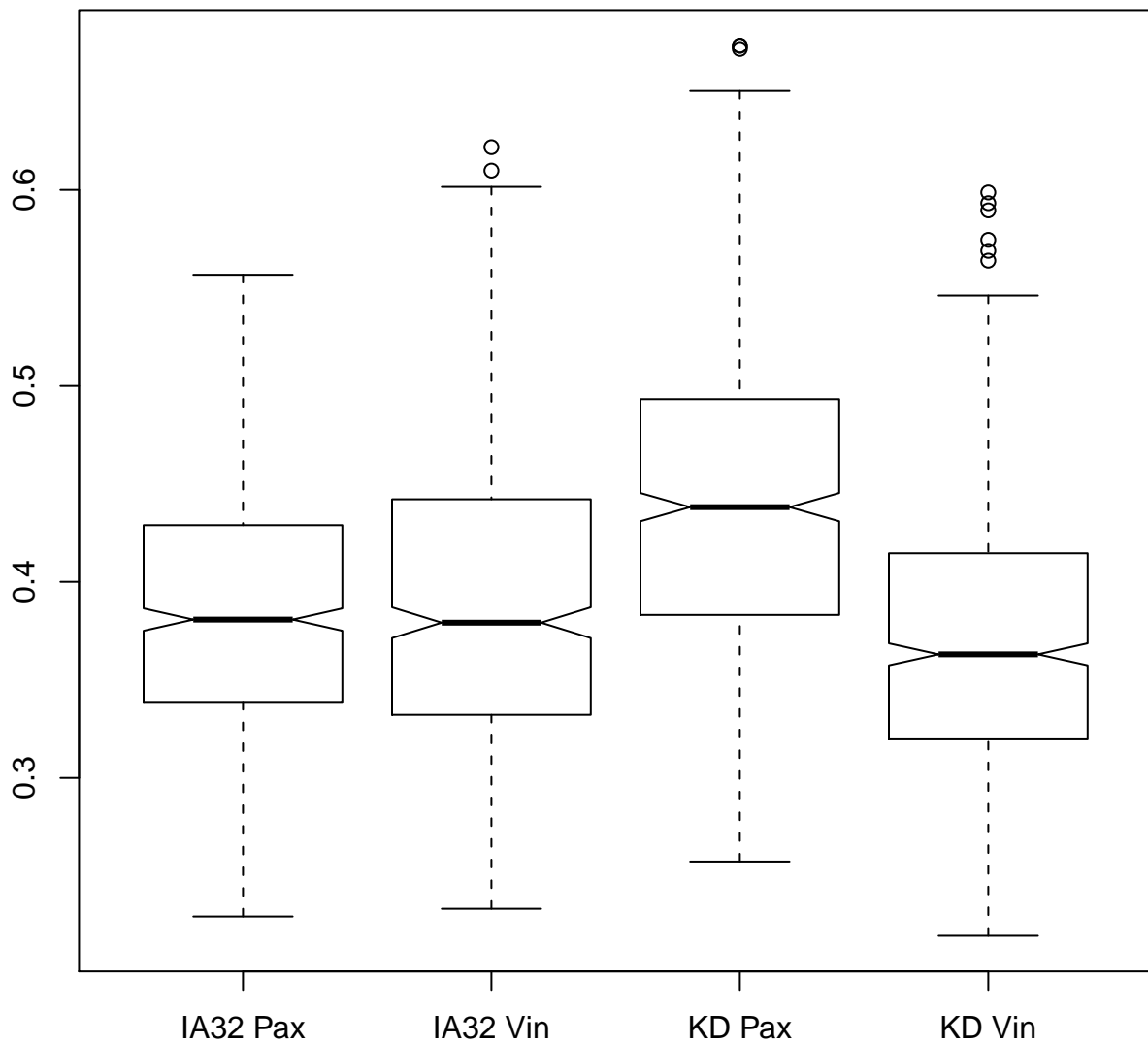**Disassembly ad_sig**