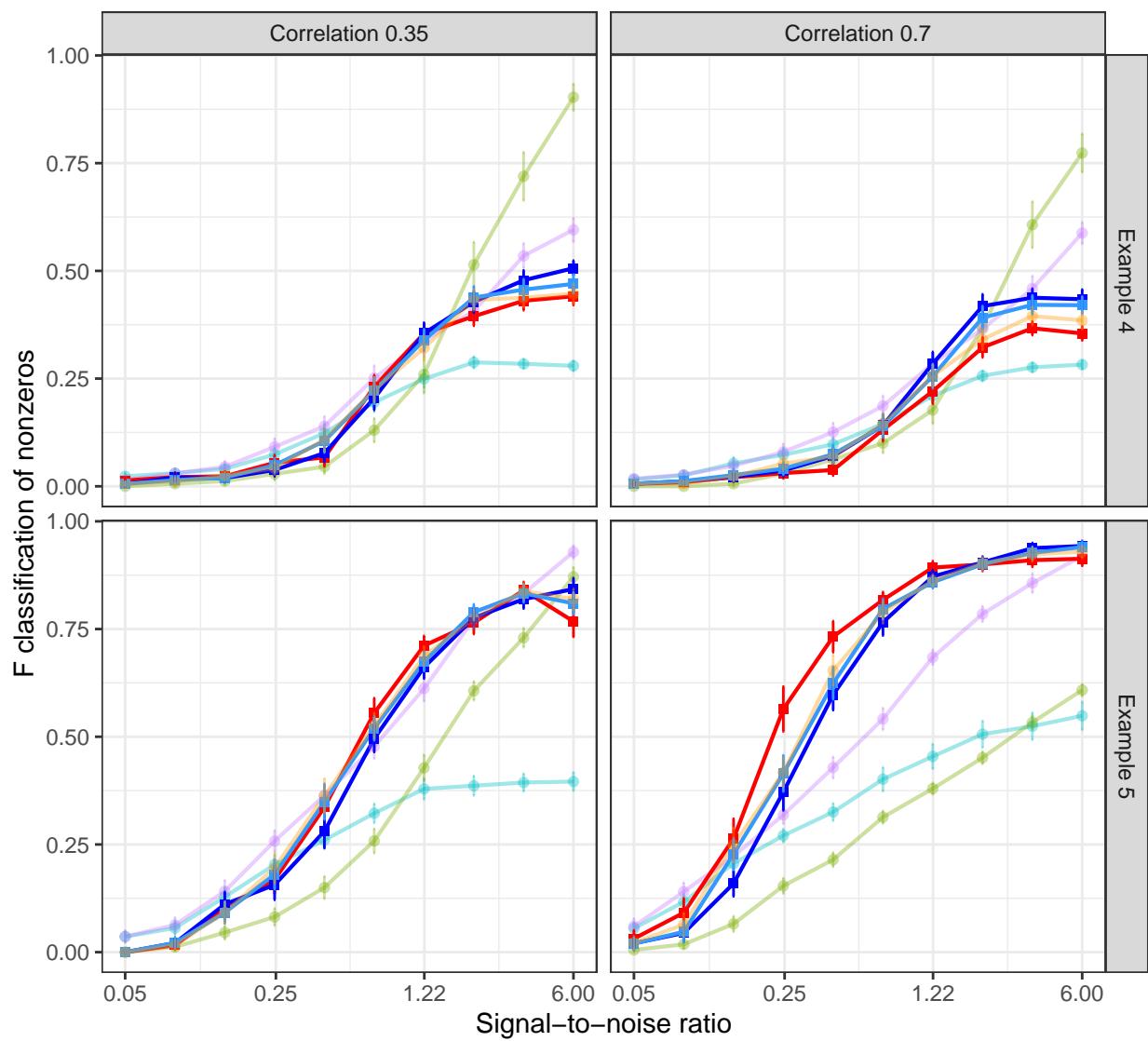n=100, p=1000, s=10