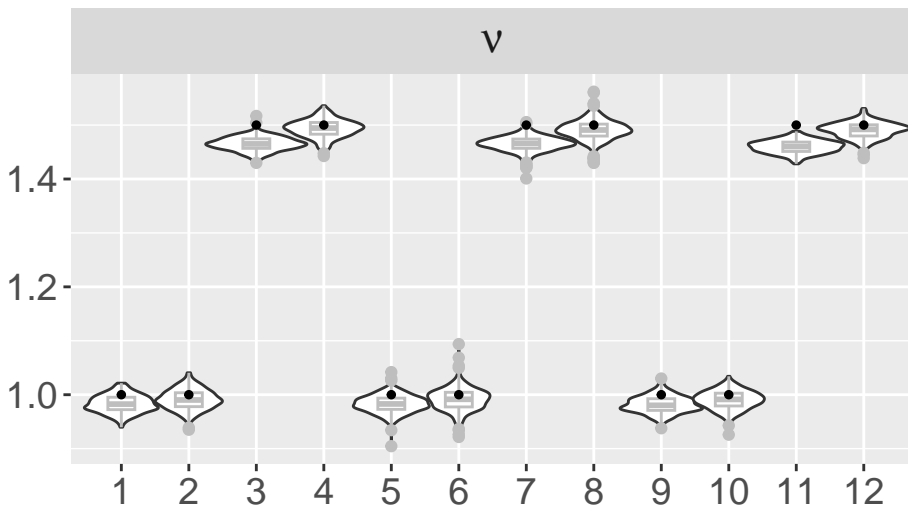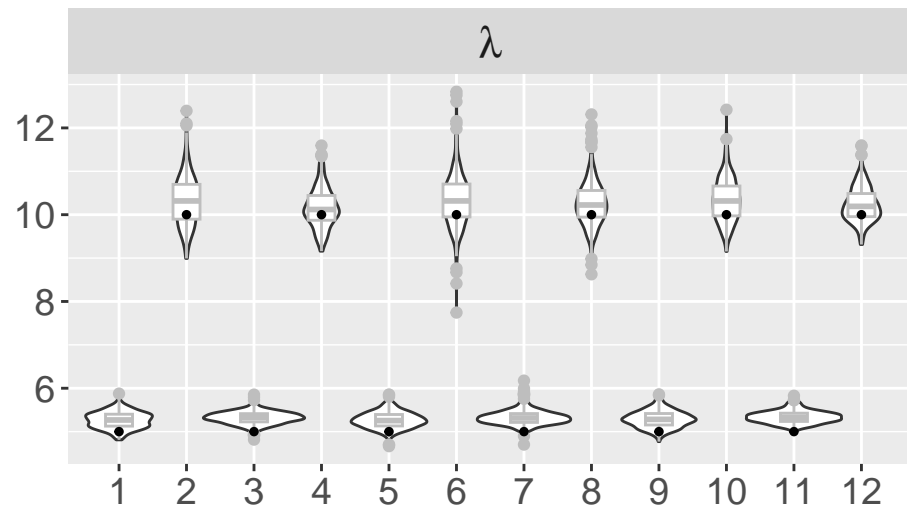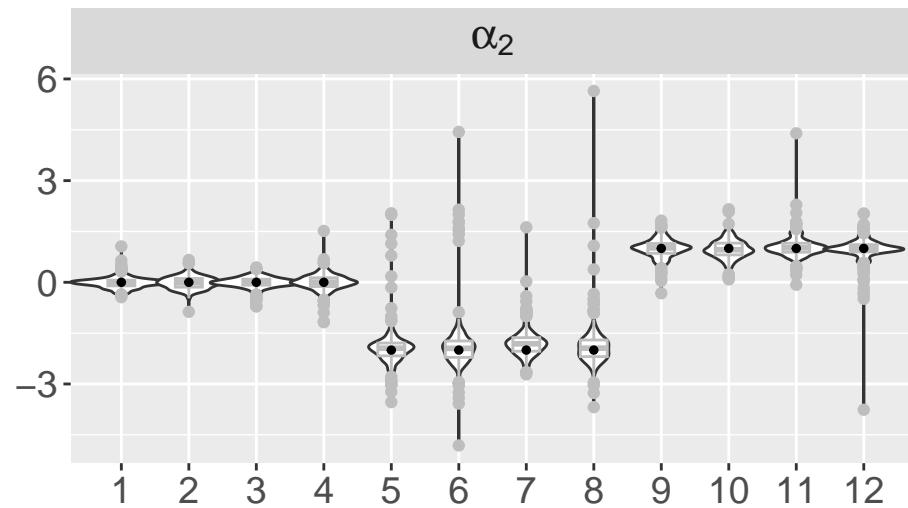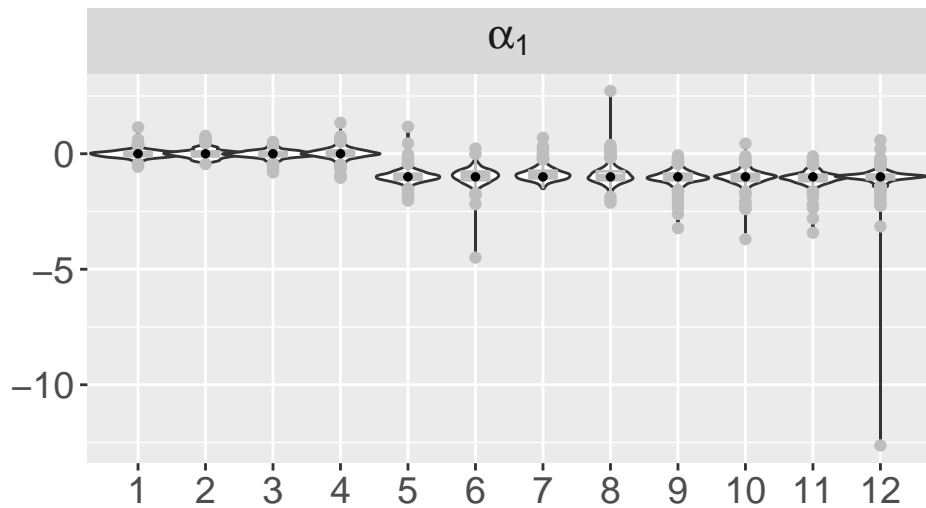Efficiency of the angular density estimation method with 2000 replicates on a 15 by 15 grid