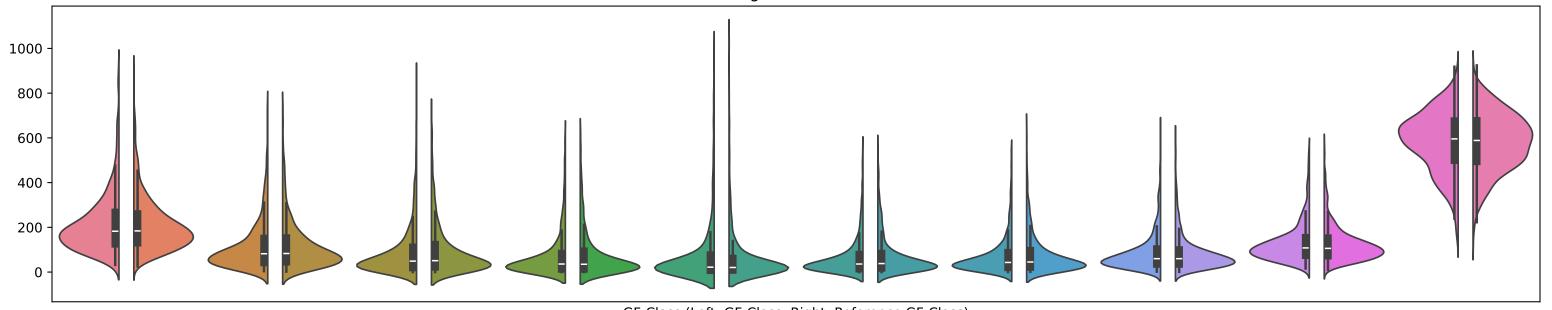GFS for gene count 100000