data[, .SD[sample(.N, 1)], by=c("pathogen"), .SDcols=c("replicate", "plate_idx", "well_idx", "image_idx", "cell_idx", "infection_index")] %>% grid.table(rows=NULL) replicate plate idx well idx image idx cell idx infection index pathogen 103.89759 98.17832 87.77257 salmonella 3 321 120 41 114.23409 rhino 2 72 296 91 97.41087

128

34

83

466

103.20201

101.89106

P				90	
listeria	2	87	6	8	208
brucella	2	317	116	5	211
adeno	3	340	75	7	224

54

177

vaccinia

shigella