

```

data[, .SD[sample(.N, 1)],
      by=c("pathogen"),
      .SDcols=c("replicate", "sirna", "plate_idx", "well_idx",
                 "image_idx", "cell_idx", "infection_index")]
tableGrob(rows=NULL, theme = ttheme_default(base_size=10))
grid.arrange

```

pathogen	replicate	sirna	plate_idx	well_idx	image_idx	cell_idx	infection_index
vaccinia	1	s54685	176	8	5	877	117.28185
listeria	1	s264933	126	16	5	270	102.58793
salmonella	3	s5791	97	62	4	979	86.02820
brucella	1	s47363	140	111	2	610	98.89520
adeno	3	s100627	104	53	7	617	99.94561
rhino	2	s23935	160	12	4	24	103.36461
shigella	2	s56331	134	105	9	643	106.46614