

A**homozygous female**germline Cas9
expression**germline cell**

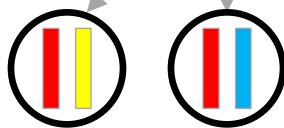
meiosis

gamete

100%

fertilization
by WT male**female embryo**

3:7

somatic cell**B****heterozygous female**
with resistance allelegermline Cas9
expression**germline cell**

meiosis

gamete

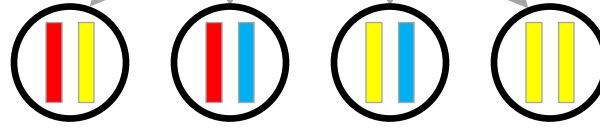
50%

50%

fertilization
by WT male**female embryo**

2:8

8:2

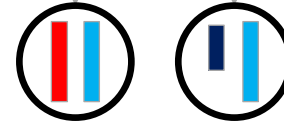
somatic cell**C****drive male**germline Cas9
expression**germline cell**

meiosis

gamete

50%

50%

fertilization
in WT female**embryo****somatic cell**

wild type

driver

resistance

Y-chromosome

Cas9