

Cost is for a single mutant

Costs are for a batch of size 12

Purchase and
confirm mutant

\$=45
Time = 16

$b\Delta$

\$=1
Time = 1

Mutant from
previous cross
 $a\Delta c\Delta$

x12
Cross

Diploid

$a\Delta b\Delta c\Delta$

x12
Sporulate

Mix

x12
Tetrad dissection

Haploid
colonies

x12
Tetrad analysis

$a\Delta b\Delta c\Delta$

\$=1
Time = 7

\$=12
Time = 4

\$=192
Time = 8

Model predictions

$a\Delta b\Delta$ Inviabile

$a\Delta b\Delta c\Delta$ Viable
(rescue)

Unsporulated diploids and
ascospores containing tetrads
of four meiotic products

