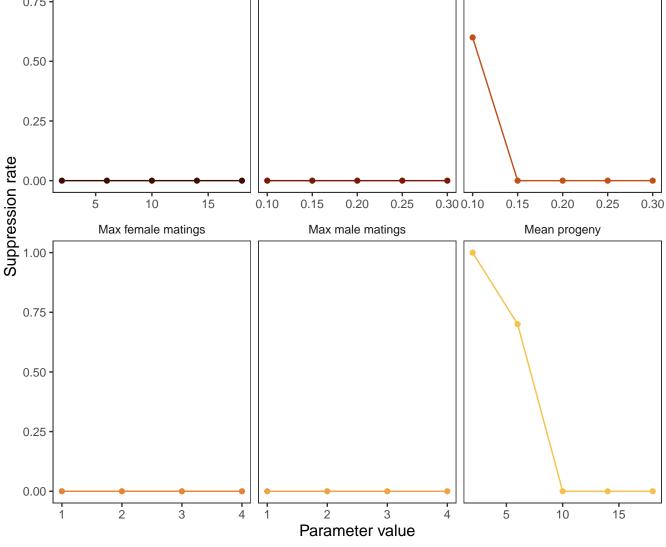
Realistic gene drive Max growth rate Mean female matings Mean male matings 1.00 -0.75 -0.50 0.25 0.00 10 15 0.10 0.15 0.20 0.25 0.30 0.10 0.15 0.20 0.25 5 0.30 Max female matings Max male matings Mean progeny 1.00 -0.75 -



Realistic gene drive Max growth rate Mean female matings Mean male matings 25 -20 15 **-**10 -Last viable generation 10 15 0.1 0.2 0.3 0.1 0.2 0.3 5 Max female matings Max male matings Mean progeny 20 -15 -10 -5. 0 2 2 15 3 5 10 Parameter value

Optimal gene drive Max growth rate Mean female matings Mean male matings 1.00 -0.75 0.50 0.25 Suppression rate 0.00 15 0.10 0.30 0.10 5 10 0.15 0.20 0.25 0.15 0.20 0.25 0.30 Max female matings Max male matings Mean progeny 1.00 0.75 0.50 -0.25 0.00 2 2 3 5 10 15 Parameter value

Optimal gene drive Max growth rate Mean female matings Mean male matings 15 -10 -5 -Last viable generation 10 15 0.1 0.2 0.3 0.1 0.3 5 0.2 Max female matings Max male matings Mean progeny 10 -5 -0 2 2 3 5 10 15 Parameter value

