

Rescue  
probability  
( $P_R$ )

Low mutation  
rate

1.0

0.8

0.6

0.4

0.2

0.0

$10^{-1}$

1

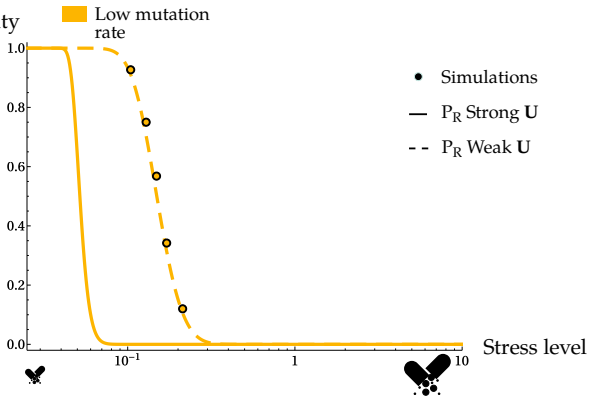
10

Stress level

• Simulations

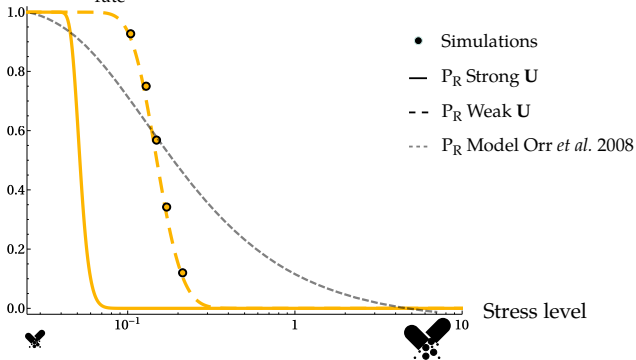
—  $P_R$  Strong U

--  $P_R$  Weak U

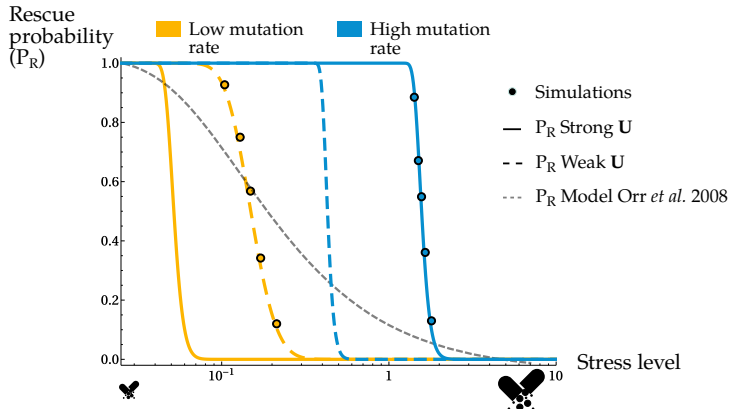


Rescue  
probability  
( $P_R$ )

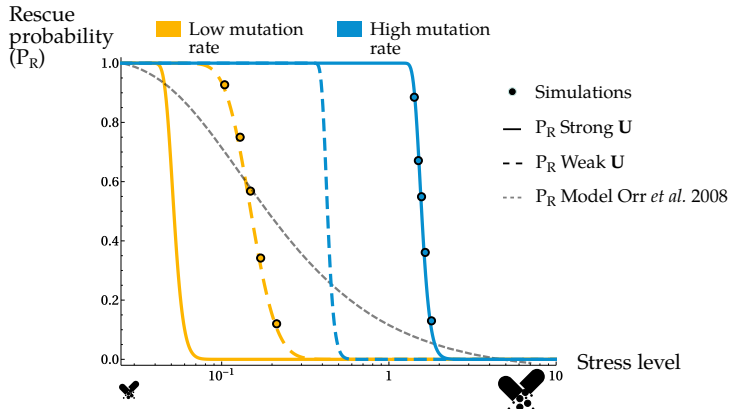
Low mutation  
rate



The models "Weak U" and "Strong U" gives good predictions against the simulations in **complementary mutation regimes**



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The "**Strong U**" model predicts that a population can withstand **higher stress** than the "**Weak U**" model