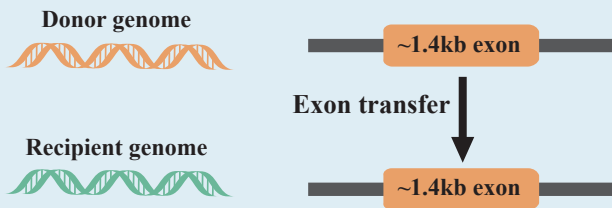
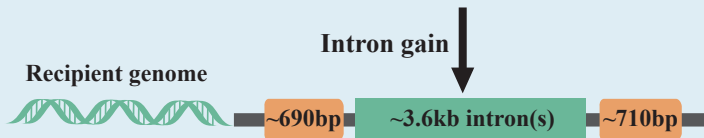


Horizontal gene transfer (HGT)

I: Horizontal gene transfer from symbionts (mostly bacterial) to insects



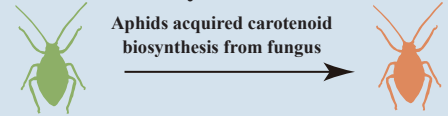
II: Repeat-rich intron was transmitted into exon from native insect genome



Examples of HGT-driven adaptations

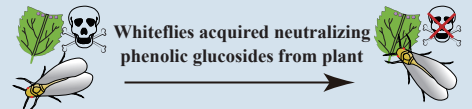
Moran & Jarvik, Science (2010)

Body coloration



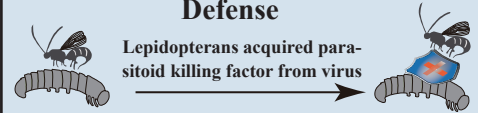
Xia et al., Cell (2021)

Detoxification



Gasmi et al., Science (2021)

Defense



This study

Male courtship behavior

