Genetic pathway analysis

Reading: lecture notes

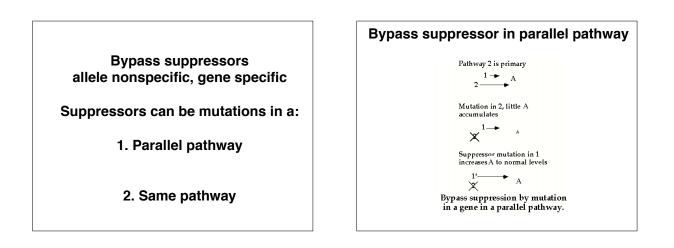
Extragenic suppressors

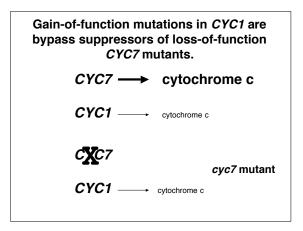
Informational suppressors: allele specific, gene nonspecific

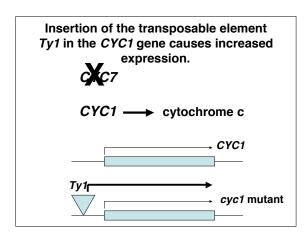
Bypass suppressors (parallel pathways): allele nonspecific, gene specific

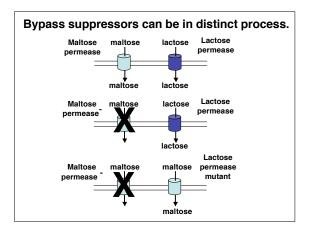
Bypass suppressors (same pathway): allele nonspecific, gene specific

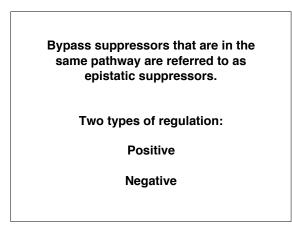
Interaction suppressors: allele specific, gene specific

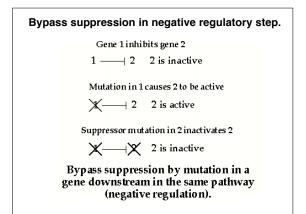


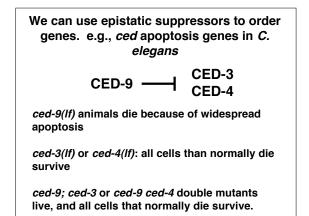


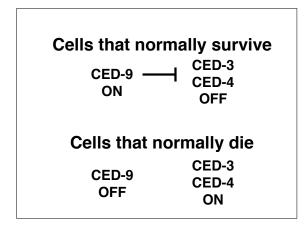


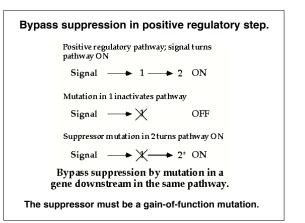


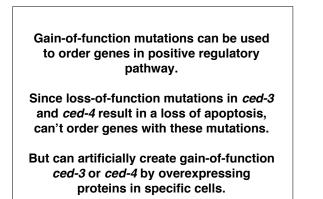


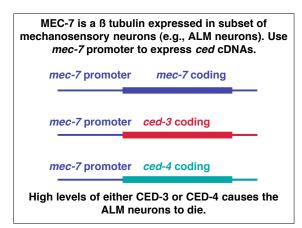


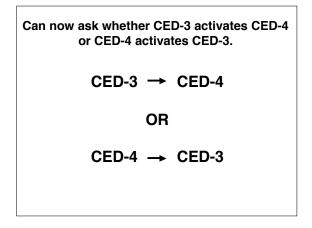


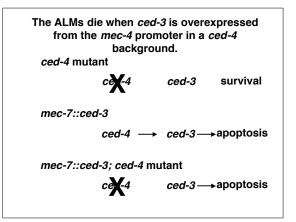


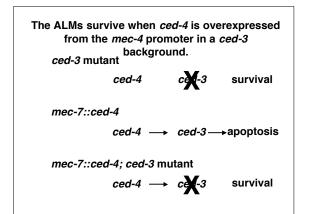


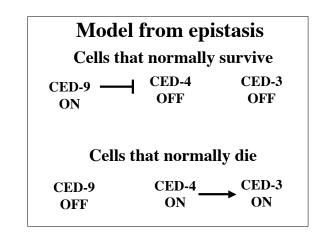


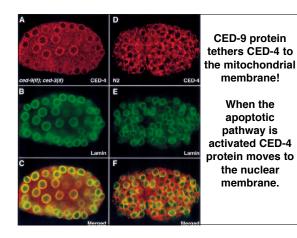


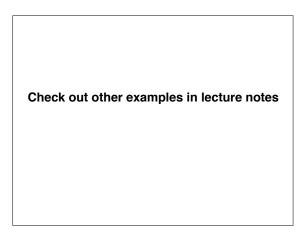












Note that all of the bypass suppressors, whether in parallel or the same pathway, are predicted to be allele nonspecific.

e.g. ced-3 will suppress any loss-of-function allele of ced-9.

Note also that all of the bypass suppressors, whether in parallel or the same pathway, are predicted to be gene specific.

e.g., ced-3 will suppress *ced-9* alleles, but not mutant alleles of other genes; for example, those involved in muscle function.

