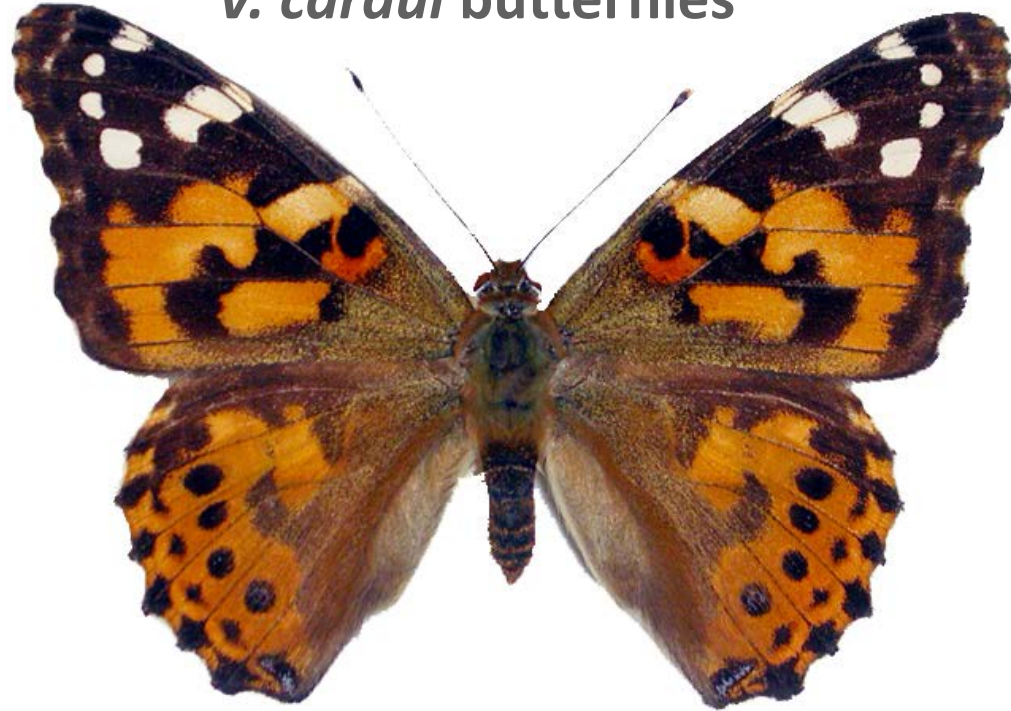


*V. cardui* butterflies

wild type



*optix*  
knockout



## Wings of *A. vanillae* butterflies



wild type

*optix* knockout



Wings of *J. coenia* butterflies



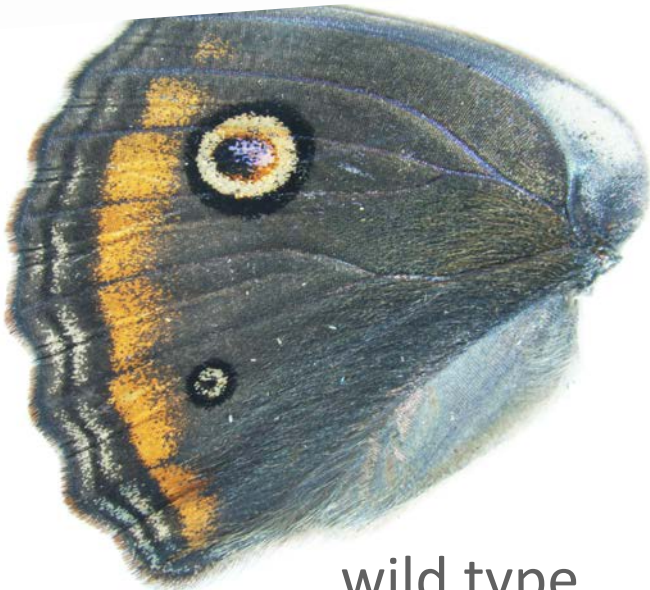
wild type



*optix*  
knockout



# Wings of *J. coenia* butterflies



wild type



*spalt* knockout

## Closeups of markings on the wings of *V. cardui* butterflies



wild type



*spalt* knockout