FIGURE 23.38. Reduced levels of the heat-shock protein Hsp90 cause a wide variety of abnormalities (e.g., (A) small wings; (B) notched wings; (C) deformed eye). Particular abnormalities are found in crosses with particular wild-type stocks, showing that Hsp90 interacts with genetic variation that is not normally expressed. (D) Selection for (red, deep purple, and orange lines) deformed eye in flies with reduced Hsp90 expression causes a rapid response, which confirms that cryptic genetic variation is involved. As a control, selection was applied to flies that did not exhibit the eye mutation (blue, green, and light purple lines).


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