## **Description of Additional Supplementary Files**

File name: Supplementary Data 1

**Description:** Model output from all statistical analyses and performance assessment.

File name: Supplementary Data 2

**Description:** Wing length measurements (Fig. 3b).

**File name:** Supplementary Data 3 **Description:** qPCR data (Fig. 4).

File name: Supplementary Data 4

**Description:** COPAS data for SM9 line (Fig. 6a).

File name: Supplementary Data 5

**Description:** COPAS data for 1.2G line (Fig. 6b).

File name: Supplementary Data 6

**Description:** COPAS data for 3.1G line (Fig. 6c).