Figure S3

A

```
Nucleotide              1
position:          8    3
                   2    3
                   4    4
D. mel Ref         GCA  ATT
D. mel AutW132     ...  ..A
D. mel OreR        .T.  ...
D. mel Ore_V275A   ...  ...
                   NS   Syn
                  A275V
```

B
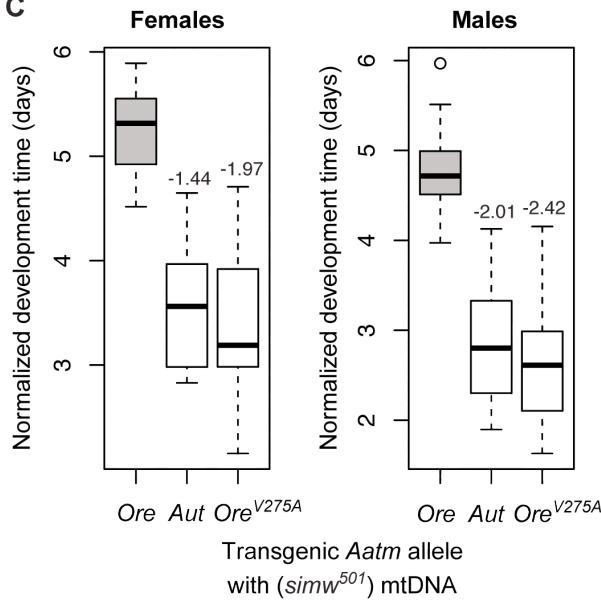
Rescue genotypes:
  1 chromosome deficient for *Aatm* (Df)
  1 copy endogenous incompatible *Aatm*^{Ore}
  1 copy transgenic *PBac{Aatm}*

  (*simw*^{501}); *Aatm*^{Ore}/Df; +/PBac{*Aatm*^{Ore}}

  (*simw*^{501}); *Aatm*^{Ore}/Df; +/PBac{*Aatm*^{Aut}}

  (*simw*^{501}); *Aatm*^{Ore}/Df; +/PBac{*Aatm*$^{Ore\_V275A}$}

Sibling control genotypes:
  1 copy endogenous compatible *Aatm*$^+$ on balancer 2nd chrom
  1 copy endogenous incompatible *Aatm*^{Ore}
  1 copy transgenic *PBac{Aatm}*

  (*simw*^{501}); *Aatm*^{Ore}/*Aatm*$^+$; +/PBac{*Aatm*^{Ore}}

  (*simw*^{501}); *Aatm*^{Ore}/*Aatm*$^+$; +/PBac{*Aatm*^{Aut}}

  (*simw*^{501}); *Aatm*^{Ore}/*Aatm*$^+$; +/PBac{*Aatm*$^{Ore\_V275A}$}

C Females / Males — Normalized development time (days); Transgenic *Aatm* allele with (*simw*^{501}) mtDNA. Females: Ore, Aut (−1.44), Ore^{V275A} (−1.97). Males: Ore, Aut (−2.01), Ore^{V275A} (−2.42).

D Females / Males — Normalized development time (days); Transgenic *Aatm* allele with (*simw*^{501}) mtDNA. Females: Ore, Aut (−1.81), Ore^{V275A} (−1.70). Males: Ore, Aut (−1.92), Ore^{V275A} (−1.68).