

**Table S8.** Homozygotes and heterozygotes for the five amino acid variants of *cad-86C*. GA-R individuals are denoted as GA3-15, and GA individuals are denoted as GA16-30.

<b>Variants</b>	<b>Homozygotes</b>	<b>Heterozygotes</b>
1	GA3, GA4, GA6, GA8, GA10, GA11, GA13, GA14, GA15, GA16, GA19, GA21, GA28, GA30	GA5, GA27
2		GA9
3		GA9
4	GA17, GA18, GA25, GA29	GA5, GA27
5	GA24	