

**Table S2.** Analysis of variance of the effects of transgenic *Aatm* alleles on development time

Dependent Variable	Factor <sup>1</sup>	df	F	P	Contrasts	Effect	P
Mean development time	<i>Aatm</i> allele	2	62.2	< 2.2 e-16	<i>Ore-Aut</i>	+1.66 days	<0.0001
					<i>Ore-Ore</i> <sup>V275A</sup>	+2.09 days	<0.0001
					<i>Aut-Ore</i> <sup>V275A</sup>		NS
	Sex	1	7.83	0.0063			
	Brood	2	5.30	0.0068			
	Allele*brood	4	3.64	0.0087			
	Residuals	86					
Mean development time (normalized to control siblings)	<i>Aatm</i> allele	2	180.9	< 2.2 e-16	<i>Ore-Aut</i>	+1.87 days	<0.0001
					<i>Ore-Ore</i> <sup>V275A</sup>	+2.01 days	<0.0001
					<i>Aut-Ore</i> <sup>V275A</sup>		NS
	Sex	1	40.0	9.66e-09			
	Brood	2	16.1	1.09e-06			
	Allele*brood	4	3.50	0.01052			
	Residuals	90					
Day of first emergence	<i>Aatm</i> allele	2	75.9	< 2.2 e-16	<i>Ore-Aut</i>	+1.73 days	<0.0001
					<i>Ore-Ore</i> <sup>V275A</sup>	+1.94 days	<0.0001
					<i>Aut-Ore</i> <sup>V275A</sup>		NS
	Sex	1	3.18	0.0782			
	Allele*brood	4	4.75	0.0017			
	Residuals	86					
Day of first emergence (normalized to control siblings)	<i>Aatm</i> allele	2	82.2	< 2.2 e-16	<i>Ore-Aut</i>	+1.67 days	0.0001
					<i>Ore-Ore</i> <sup>V275A</sup>	+1.83 days	0.0001
					<i>Aut-Ore</i> <sup>V275A</sup>		NS
	Sex	1	25.2	2.59e-06			
	Allele*brood	4	3.03	0.0217			
	Residuals	90					

<sup>1</sup>The full model contains the fixed effects of *Aatm* allele, sex and brood, and their interactions. Only significant factors are reported with Tukey's contrasts for allelic effects.