

**Table S3 Temporal and geographic differentiation of all candidate genes**

	no. M strain	M strain $\pi$		<i>temporal differentiation</i>		<i>geographic differentiation</i> <sup>b</sup>	
		nonsyn	syn	<i>Fst</i>	<i>p-value</i>	<i>Fst</i>	<i>p-value</i>
<i>AGO3</i>	8	0.0000	0.0010	-0.067	0.824	0.125	0.121
<i>armi</i>	8	0.0015	0.0094	-0.045	0.897	0.237	<b>&lt; 0.001</b>
<i>aub</i>	8	0.0009	0.0065	-0.045	0.883	0.484	<b>&lt; 0.001</b>
<i>Hen1</i>	30	0.0013	0.0097	<b>0.303</b>	<b>0.001</b>	0.632	<b>&lt; 0.001</b>
<i>Hrb27C</i>	8	0.0008	0.0025	0.048	0.153	0.116	0.083
<i>Irbp</i>	30	0.0020	0.0058	<b>0.170</b>	<b>0.038</b>	0.144	0.111
<i>krimp</i>	30	0.0076	0.0304	0.011	0.262	0.143	<b>0.004</b>
<i>Ku80</i>	8	0.0018	0.0134	-0.035	0.891	0.256	<b>0.001</b>
<i>mael</i>	8	0.0015	0.0000	-0.061	0.98	0.344	<b>&lt; 0.001</b>
<i>piwi</i>	8	0.0011	0.0121	0.051	0.092	0.172	<b>0.006</b>
<i>Psi</i>	8	0.0007	0.0123	0.034	0.204	0.338	<b>&lt; 0.001</b>
<i>rhi</i>	8	0.0017	0.0056	-0.013	0.469	0.236	<b>0.013</b>
<i>Spn-E</i>	30	0.0010	0.0033	0.053	0.08	0.459	<b>&lt; 0.001</b>
<i>squ</i>	30	0.0016	0.0080	<b>0.202</b>	<b>0.001</b>	0.028	0.25
<i>vas</i>	8	0.0005	0.0045	0.025	0.223	0.213	<b>0.003</b>
<i>zuc</i>	8	0.0000	0.0054	-0.052	0.797	0.284	<b>0.005</b>

<sup>a</sup>Genetic differentiation between current (*post-P element*) African and North American populations

<sup>b</sup>Genetic differentiation between *pre-P* and *post-P* element invasion populations

All the significant results are in bold-type