

Table S4 Second round mating combinations of females retrieved from mixed male populations

Cross	Mating combination*	Total egg rafts	Total Eggs	Total larvae	Hatching Rate	Comparison	Significance
9	♀ retrieved from (TK ♀ × No ♂) (11) × TK ♂ (11)	11	1371	873	0.630±0.113	9 vs. 10	P<0.05 (t=2.289 df=11 P=0.043)
10	♀ retrieved from (TK ♀ × No ♂) (11) × No ♂ (0)	2	194	0	0.000±0.000		
11	♀ retrieved from (TK ♀ × TK ♂) (11) × TK ♂ (11)	7	832	736	0.860±0.038	11 vs. 12	NS (t=-0.694 df=15 P=0.498)
12	♀ retrieved from (TK ♀ × TK ♂) (11) × No ♂ (0)	10	1054	936	0.884±0.011		
13	♀ retrieved from [TK ♀ × (TK ♂ + WX ♂)] (14) × TK ♂ (14)	13	1633	293	0.190±0.101	13 vs. 14	NS (t=0.407 df=24 P=0.687)
14	♀ retrieved from [TK ♀ × (TK ♂ + WX ♂)] (14) × No ♂ (0)	13	1701	212	0.135±0.090		
15	♀ retrieved from [TK ♀ × (TK ♂ + 3xWX ♂)] (13) × TK ♂ (13)	13	1758	1	0.0004±0.0004	15 vs. 16	NS (t=-1.142 df=21 P=0.266)
16	♀ retrieved from [TK ♀ × (TK ♂ + 3xWX ♂)] (13) × No ♂ (0)	10	1298	93	0.081±0.081		
17	♀ retrieved from (TK ♀ × WX ♂) (14) × TK ♂ (14)	9	1137	6	0.006±0.006	17 vs. 18	NS (t=0.882 df=21 P=0.388)
18	♀ retrieved from (TK ♀ × WX ♂) (14) × No ♂ (0)	14	1595	2	0.002±0.001		
19	♀ retrieved from (WX ♀ × No ♂) (20) × WX ♂ (20)	7	857	361	0.431±0.157	19 vs. 20	P<0.05 (t=2.750 df=12 P=0.018)
20	♀ retrieved from (WX ♀ × No ♂) (20) × No ♂ (0)	7	782	0	0.000±0.000		
21	♀ retrieved from (WX ♀ × WX ♂) (21) × WX ♂ (21)	16	1969	1630	0.828±0.025	21 vs. 22	NS (t=-0.083 df=30 P=0.934)
22	♀ retrieved from (WX ♀ × WX ♂) (21) × No ♂ (0)	16	1806	1527	0.823±0.043		
23	♀ retrieved from [WX ♀ × (WX ♂ + TK ♂)] (22) × WX ♂ (22)	19	2077	1136	0.493±0.093	23 vs. 24	NS (t=-0.369 df=33 P=0.714)
24	♀ retrieved from [WX ♀ × (WX ♂ + TK ♂)] (22) × No ♂ (0)	16	1975	1085	0.544±0.105		
25	♀ retrieved from [WX ♀ × (WX ♂ + 3xTK ♂)] (21) × WX ♂ (21)	18	2120	699	0.355±0.096	25 vs. 26	NS (t=-0.357 df=30 P=0.724)
26	♀ retrieved from [WX ♀ × (WX ♂ + 3xTK ♂)] (21) × No ♂ (0)	14	1771	679	0.408±0.112		
27	♀ retrieved from (WX ♀ × TK ♂) (21) × WX ♂ (21)	19	2304	20	0.007±0.006	27 vs. 28	NS (t=0.806 df=33 P=0.426)
28	♀ retrieved from (WX ♀ × TK ♂) (21) × No ♂ (0)	16	2078	9	0.002±0.002		

* Numbers in parentheses refer to the numbers of mosquitoes used in the respective combinations.

For each cross, hatching rate value is expressed as mean± standard error. NS, nonsignificant P-value.