

Supplementary Table 3: Detailed overview of the P-element invasion in hot replicate 1. We estimated the abundance of the P-element (rpm: reads per million mapped reads) as well as the effective transposition rate (u') for females (f), males (m) and a mix of females and males (fm). Abundance estimates of the mix of males and females(fm) are either based on direct estimates (^a), a correction factor [^b: $fm_{corr} = (f + f/1.132)/2$; supplementary table 2] or the average between males and females (^c). gen.: generations

| gen. | f | m | fm | u |
|------|-------|-------|--------------------|---------|
| 0 | 17.0 | - | 16.0 ^b | - |
| 1 | 16.2 | 19.2 | 17.7 ^c | 0.1086 |
| 4 | - | - | 26.3 ^a | 0.1415 |
| 7 | 58.1 | 40.8 | 49.5 ^c | 0.2343 |
| 10 | - | - | 69.5 ^a | 0.1203 |
| 13 | - | - | 130.4 ^a | 0.2331 |
| 16 | 237.0 | 210.3 | 223.7 ^c | 0.1971 |
| 18 | - | - | 293.6 ^a | 0.1457 |
| 20 | - | - | 284.5 ^a | -0.0156 |
| 30 | - | - | 280.7 ^a | -0.0013 |