

**Table S8** Observed and expected numbers of polymorphic sites classified into the six unique, shared, and fixed categories for the five gene arrangements of *D. pseudoobscura*.

Category	Breakpoint	Non-Breakpoint
0	24 ( 16.8)	1 ( 8.2)
1	298 (312.9)	168 (153.1)
2	80 ( 81.9)	42 ( 40.1)
3	44 ( 48.3)	28 ( 23.7)
4	56 ( 43.0)	8 ( 21.0)
5	7 ( 6.0)	2 ( 3.0)

Observed (Expected); The blue shaded box indicates a significant deficiency of observed values based on the residuals.