

**Table S2. Number of amplified Y genes.** Shown are the number of inferred amplified Y-linked genes found in each species, for a cut-off of male/female coverage ratio (M/F)  $\geq 2.5$

species	no. of amplified Y genes	Karyotype
<i>D. duncani</i>	16	A
<i>D. ercepeae</i>	8	A
<i>D. guarani</i>	53	A
<i>D. lummei</i>	109	A
<i>D. micromelanica</i>	63	A
<i>D. novamexicana</i>	105	A
<i>D. pallidipennis</i>	8	A
<i>D. pseudotalamanca</i>	10	A
<i>D. quadrilineata</i>	20	A
<i>D. subbadia</i>	48	A
<i>D. virilis</i>	35	A
<i>D. americana</i>	323	A + B
<i>D. nigromelanica</i>	38	A + C
<i>D. athabasca</i>	24	A + D
<i>D. lacertosa</i>	23	A + D
<i>D. melanica</i>	249	A + D
<i>D. nannoptera</i>	22	A + D
<i>D. pseudoobscura</i>	111	A + D
<i>D. repletoides</i>	25	A + D
<i>D. robusta</i>	265	A + D
<i>D. saltans</i>	20	A + D
<i>D. willistoni</i>	187	A + D
<i>D. albomicans</i>	30	A + D + C
<i>D. miranda</i>	143	A + D + C
<i>D. busckii</i>	48	A + F
<i>D. lebanonensis</i>	17	A + F