

Table S1 Genome assembly and annotation statistics for *P. caudatum*, as compared to *biaurelia* (McGrath *et al.*, submitted), *tetraurelia* (AURY *et al.* 2006) and *sexaurella* (McGrath *et al.*, submitted).

	<i>caudatum</i>	<i>biaurelia</i>	<i>tetraurelia</i>	<i>sexaurella</i>
Average coverage	186X	45X	13X	42X
Number of scaffolds (total)	1,202	2,362	N/A*	547
Number of scaffolds (> 2 kb)	274	1,426	697	230
Average scaffold length (>2 kb scaffolds)	109,242	53,140	103,448	294,183
Largest scaffold length	793,585	1,048,449	980,760	1,303,432
Number of gaps	1,412	1,459	419	1,298
Assembly length with gaps (all scaffolds)	30,525,943	76,976,592	72,102,941	68,020,722
Number of genes	18,509	39,242	39,521	34,939

* Only scaffolds > 2 kb are included in *tetraurelia* assembly