**Table S6. Syntenic blocks (>10 kb) between mitochondria and Chr1 of *G.*
*raimondii***

Blocks	mt-position	Chr1-position	Length in mt (bp)	Length in Chr1 (bp)	Identity (%)
1	1-13,278	23,331,615-23,344,875	13,277	13,260	99.77
2	13,350-27,098	23,408,453-23,422,197	13,748	13,744	99.85
3	27,165-51,465	23,359,437-23,383,728	24,300	24,291	99.91
4	62,936-78,313	23,716,498-23,701,124	15,377	15,374	99.92
5	78,612-114,784	23,698,082-23,661,873	36,172	36,209	99.76
6	132,777-145,613	23,643,790-23,630,961	12,836	12,829	99.69
7	145,617-172,760	23,627,743-23,600,604	27,143	27,139	99.74
8	181,824-249,203	23,590,722-23,523,424	67,379	67,298	99.8
9	257,310-379,589	23,313,389-23,191,266	122,279	122,123	99.78
10	380,292-406,785	23,190,736-23,164,259	26,493	26,477	99.84
11	405,991-499,666	23,523,070-23,429,471	93,675	93,599	99.84
12	514,181-529,554	23,716,498-23,701,124	15,373	15,374	99.95
13	529,853-566,976	23,698,082-23,660,885	37,123	37,197	99.89
14	567,176-583,538	23,660,784-23,644,424	16,362	16,360	99.9
15	583,670-597,702	23,819,545-23,805,513	14,032	14,032	99.94
16	598,078-676,078	23,805,143-23,727,131	78,000	78,012	99.89