

Supplementary figure 2. Inversion events from the *Roundia cardiophora* plastid genome to *Thalassiosira oceanica* plastid genome.

Step	Description																																
0	<i>Roundia cardiophora</i>	1	10	9	14	15	19	20	8	12	11	6	18	17	16	13	5	7	4	3	2	21	29	28	22	23	24	30	31	32	27	26	25
1	Reversal	1	10	-14	-9	15	19	20	8	12	11	6	18	17	16	13	5	7	4	3	2	21	29	28	22	23	24	30	31	32	27	26	25
2	Reversal	1	10	-14	-9	15	19	20	8	12	11	-18	-6	17	16	13	5	7	4	3	2	21	29	28	22	23	24	30	31	32	27	26	25
3	Reversal	1	10	-14	-9	15	19	20	8	12	11	-18	-6	17	16	13	-7	-5	4	3	2	21	29	28	22	23	24	30	31	32	27	26	25
4	Reversal	1	10	-14	-20	-19	-15	9	8	12	11	-18	-6	17	16	13	-7	-5	4	3	2	21	29	28	22	23	24	30	31	32	27	26	25
5	Reversal	1	10	-14	-20	-19	-15	9	8	12	11	-18	-6	17	16	13	-7	-5	4	3	2	21	29	-24	-23	-22	-28	30	31	32	27	26	25
6	Reversal	1	10	-14	-20	-19	-15	9	8	12	11	-18	-6	17	16	13	-7	-5	4	3	2	21	29	-24	-23	-22	-28	30	-26	-27	-32	-31	25
7	Reversal	1	10	-14	-20	-19	-15	9	8	12	11	-18	-6	17	16	13	-7	-5	4	3	2	21	29	-24	-23	-22	-28	26	-30	-27	-32	-31	25
8	Reversal	1	10	-14	-20	-19	-15	9	8	12	11	-18	-6	17	16	13	-7	-5	4	3	2	21	29	-24	-23	-22	-28	26	-30	-25	31	32	27
9	Reversal	1	10	-14	-20	-19	-15	9	8	12	11	-3	-4	5	7	-13	-16	-17	6	18	2	21	29	-24	-23	-22	-28	26	-30	-25	31	32	27
10	Reversal	1	10	-14	-20	-19	-15	9	17	16	13	-7	-5	4	3	-11	-12	-8	6	18	2	21	29	-24	-23	-22	-28	26	-30	-25	31	32	27
	<i>Thalassiosira oceanica</i>																																

Note: Only one IR is included in this analysis