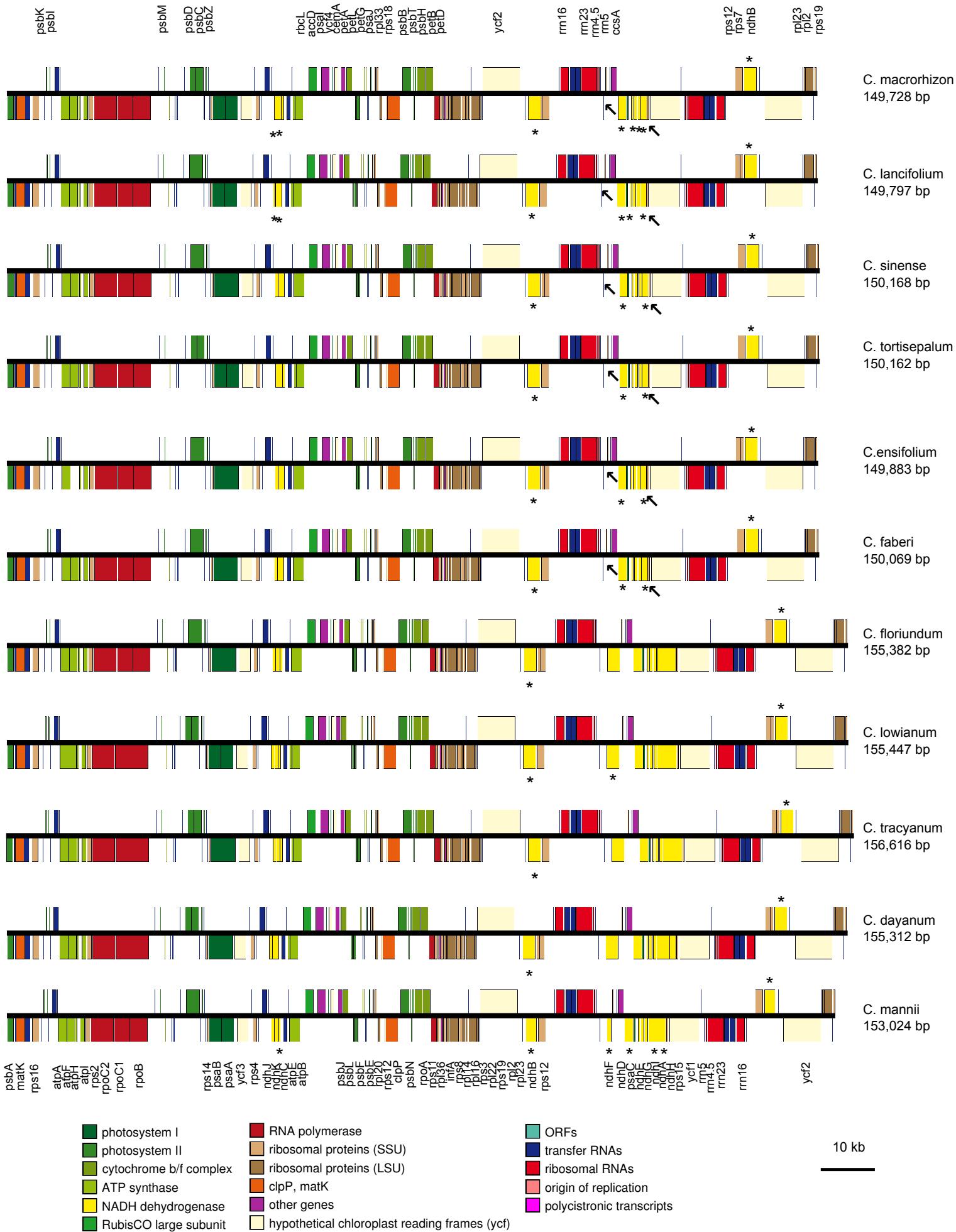


**Fig. S1**



**Fig. S2**

**Fig. S2 (continue)**

petL_c5	C	C			C	C				C	
petL_c44	C	C		C	C	C		C		C	C
petL_c56	C	C			C				C		
psal_c80		C						C			
psbB_c414	C	C	C		C	C	C		C	C	C
psbF_c77											
psbJ_c59			C	C	C	C			C	C	
rpl2_c183	C		C	C	C	C		C			C
rpl16_c12	C									C	
rpl20_c335	C	C	C	C			C	C		C	
rpl20_c352	C	C					C	C	C	C	C
rpl22_c46	C	C	C		C	C	C		C	C	C
rpl23_c71											
rpl23_c89	C	C	C	C	C	C	C		C	C	
rpoA_c200	C										
rpoA_c368		C				T					
rpoA_c830			C								
rpoB_c29											
rpoB_c338											
rpoB_c473											
rpoB_c551											
rpoB_c623											
rpoB_c2426											
rpoC1_c41											
rpoC1_c500	C	C	C	C	C	C	C				
rpoC1_c629											
rpoC1_c647					A						
rpoC2_c2825	C										
rps12_c221											
rps14_c149											
rps16_c143											
rps2_c134						T					
rps3_c583										C	
rps7_c253											
rps8_c182							C				
ycf1_c5336									C		
ycf3_c44											
ycf3_c185											
ycf3_c191											
ycf4_c254	C			C						C	

**Fig. S3**

	<i>C. mac</i>	<i>C. lan</i>	<i>C. sin</i>	<i>C. tor</i>	<i>C. ens</i>	<i>C. fab</i>	<i>C. flo</i>	<i>C. low</i>	<i>C. tra</i>	<i>C. day</i>	<i>C. man</i>
accD_c1367	0.94	0.89	0.92	0.93	0.89	0.94	0.96	0.91	0.93	0.95	-
atpA_c773	0.91	0.92	0.88	0.93	0.95	0.96	0.99	0.98	0.98	0.99	0.86
atpA_c914	0.85	0.88	0.98	0.93	0.93	0.97	0.98	0.98	0.99	0.97	0.9
atpA_c1148	0.77	0.86	0.97	0.88	0.88	0.95	0.98	0.97	0.96	0.96	0.88
atpB_c1184	0.89	0.95	0.91	0.94	0.93	0.94	0.94	0.96	0.97	0.96	-
atpF_c92	0.87	0.95	0.93	0.89	0.79	0.85	0.7	0.84	0.93	0.83	0.97
atpI_c428	0.97	0.98	0.98	0.99	0.99	0.98	0.9	0.98	0.98	0.99	0.99
atpI_c540	-	0.75	0.25	0.67	0.7	0.76	0.71	0.65	0.84	0.85	0.6
atpI_c629	0.95	0.98	0.98	0.98	0.97	0.99	0.99	0.99	0.99	0.99	0.99
clpP_c79	0.98	0.95	0.88	0.95	0.94	0.98	0.97	0.97	0.93	0.98	0.88
clpP_c556	0.81	0.91	0.93	0.97	0.95	0.96	0.92	0.93	0.88	0.91	0.7
matK_c490	0.86	0.9	0.43	0.2	0.64	0.67	0.45	-	0.9	0.86	0.3
matK_c746	0.39	0.72	0.26	0.34	0.36	-	0.73	0.55	0.89	0.75	0.86
matK_c931	0.32	-	0.46	0.54	0.3	0.34	0.93	0.39	0.95	-	0.52
matK_c1279	0.85	0.87	0.67	0.81	-	0.87	0.84	0.87	0.76	0.85	0.87
ndhA_c476	-	-	-	-	-	-	-	0.84	0.78	0.87	-
ndhA_c962	-	-	-	-	-	-	0.47	0.72	0.44	0.5	0.36
ndhB_c140	-	-	-	-	-	-	0.66	0.83	0.82	0.66	-
ndhB_c438	-	-	0.29	-	-	-	-	-	-	-	-
ndhB_c458	-	-	0.44	-	-	-	0.84	0.78	0.87	0.9	-
ndhB_c533	-	-	0.43	0.51	0.29	0.4	0.72	0.85	0.91	0.9	0.8
ndhB_c577	-	-	-	-	-	-	0.68	0.48	0.47	0.67	-
ndhB_c695	-	-	-	-	-	-	-	0.57	0.34	0.32	0.91
ndhB_c728	0.35	0.8	0.84	0.76	0.75	0.67	0.9	-	0.52	-	0.86
ndhB_c821	0.36	0.62	0.66	0.58	0.35	0.64	0.74	0.68	0.77	0.76	-
ndhB_c827	-	-	0.27	-	-	-	0.5	0.75	0.69	0.9	-
ndhB_c1103	-	-	-	-	-	-	-	0.75	0.85	0.42	-
ndhB_c1184	-	-	-	-	-	-	-	0.9	0.61	0.92	-
ndhB_c1472	-	0.48	0.31	0.31	0.3	0.21	0.79	0.83	0.91	0.86	0.84
ndhC_c13	-	-	0.4	-	-	-	0.61	0.66	0.55	0.8	-
ndhC_c311	-	0.69	0.7	0.81	-	0.71	0.45	0.82	0.57	0.67	-
ndhC_c323	-	-	-	-	-	-	0.24	0.67	0.41	0.56	-
ndhD_c5	-	-	-	-	-	-	-	0.39	-	0.44	-
ndhD_c386	0.36	0.3	-	0.34	0.4	0.38	0.41	0.75	0.86	0.71	-
ndhD_c677	-	0.81	0.44	0.42	0.34	0.33	0.4	0.91	0.76	0.85	0.78
ndhD_c881	-	-	0.35	-	-	-	0.68	0.89	0.9	0.88	-
ndhE_c287	-	-	-	-	-	-	-	-	-	0.59	-
ndhF_c62	-	-	-	-	-	-	0.58	0.41	-	0.4	-
ndhF_c259	-	-	-	-	-	-	-	0.57	0.59	0.82	-
ndhF_c290	-	-	-	-	-	-	0.79	0.71	0.57	0.79	-
ndhF_c392	-	-	-	-	-	-	0.92	-	0.7	0.94	-
ndhG_c155	-	-	-	-	-	-	0.55	0.55	0.91	0.54	-
ndhG_c347	0.46	0.83	0.53	0.8	0.64	0.75	0.83	0.81	0.9	0.93	0.88
ndhI_c286	-	0.66	-	-	-	-	-	-	-	-	-
ndhJ_c10	-	-	-	-	-	-	-	0.24	-	-	-
ndhJ_c128	0.32	0.44	0.67	0.54	0.55	0.33	1	0.94	0.66	0.89	0.21
ndhK_c65	0.42	0.75	0.85	0.88	0.83	0.87	0.83	0.94	0.79	0.84	0.43
petB_c418	0.84	0.98	0.91	0.95	-	0.99	0.99	0.96	0.96	0.98	0.99
petB_c611	0.82	0.95	0.88	0.8	0.6	0.91	0.97	0.97	0.98	0.95	0.88
petD_c481	-	0.91	0.88	0.8	0.84	0.92	0.84	0.74	0.81	0.88	0.95
petG_c56	-	0.89	0.3	0.39	0.29	0.51	0.59	0.5	0.73	0.6	0.76

**Fig. S3 (continue)**

petL_c5	-	-	0.73	0.53	-	-	0.46	0.62	0.57	-	0.65
petL_c44	-	-	0.25	-	-	-	0.51	-	0.67	-	-
petL_c56	-	-	0.76	0.72	0.7	-	0.25	0.8	0.91	-	0.74
psal_c80	0.3	-	0.79	0.76	0.35	0.82	0.83	-	0.91	0.75	0.82
psbB_c414	-	-	-	0.3	-	-	-	0.25	-	-	-
psbF_c77	0.88	0.99	0.97	0.9	0.97	0.96	0.83	0.91	0.82	0.96	0.97
psbJ_c59	0.85	0.98	-	-	-	-	0.83	0.95	-	-	0.97
rpl2_c183	-	0.24	-	-	-	-	0.44	-	0.28	0.33	-
rpl16_c12	-	0.94	0.51	0.48	0.5	0.48	0.37	0.22	0.27	-	0.58
rpl20_c335	-	-	-	-	0.22	0.36	-	-	0.28	-	0.28
rpl20_c352	-	-	0.34	0.33	0.26	0.65	-	-	-	-	-
rpl22_c46	-	-	-	0.32	-	-	-	0.27	-	-	-
rpl23_c71	0.79	0.51	0.56	0.79	0.59	0.89	0.83	0.79	0.88	0.94	0.75
rpl23_c89	-	-	-	-	-	-	-	0.86	0.66	-	-
rpoA_c200	-	0.43	0.49	0.49	0.28	0.68	0.29	0.3	0.74	0.53	0.26
rpoA_c368	0.24	-	0.5	0.55	0.54	-	0.48	0.3	0.63	0.42	0.34
rpoA_c830	0.51	0.23	-	0.32	1	0.44	0.43	0.21	0.71	0.45	0.21
rpoB_c29	0.34	0.3	0.43	0.61	0.42	0.35	0.66	0.49	0.4	0.77	0.37
rpoB_c338	0.6	0.63	0.47	0.7	0.55	0.85	0.38	0.59	0.58	0.76	0.57
rpoB_c473	0.41	0.6	0.49	0.63	0.61	0.75	0.45	0.69	0.48	0.71	0.51
rpoB_c551	0.54	0.72	0.82	0.9	0.78	0.91	0.85	0.91	0.45	0.96	0.85
rpoB_c623	0.51	0.42	0.72	0.68	0.67	0.72	0.83	0.79	0.41	0.78	0.71
rpoB_c2426	0.73	0.68	0.78	0.72	0.58	0.79	0.87	0.8	0.71	0.88	0.66
rpoC1_c41	0.73	0.7	0.83	0.81	0.69	0.91	0.92	0.9	0.92	0.76	0.86
rpoC1_c500	-	-	-	-	-	-	-	0.28	0.28	0.5	0.21
rpoC1_c629	0.74	0.43	0.67	0.53	0.63	0.64	0.58	0.69	0.69	0.62	0.9
rpoC1_c647	0.83	0.54	0.95	0.9	-	0.9	0.66	0.94	0.94	0.93	0.83
rpoC2_c2825	-	0.74	0.62	0.74	0.54	0.74	1	0.73	0.81	0.73	0.73
rps12_c221	0.85	0.92	0.94	0.67	0.56	0.79	0.85	0.87	0.8	0.7	0.95
rps14_c149	0.73	0.87	0.69	0.74	0.72	0.81	0.69	0.9	0.93	0.85	0.96
rps16_c143	0.84	0.88	0.59	0.65	0.39	0.77	1	0.82	0.73	0.79	0.65
rps2_c134	0.28	0.32	0.25	0.33	0.22	0.24	-	0.52	0.69	0.43	0.43
rps3_c583	0.86	0.98	0.64	0.91	0.83	0.96	0.73	0.78	0.9	0.92	-
rps7_c253	0.96	0.83	0.91	0.96	0.48	0.94	0.94	0.97	0.95	0.9	0.93
rps8_c182	0.65	0.5	0.39	0.61	0.2	0.79	0.52	-	0.74	0.65	0.33
ycf1_c5336	0.35	0.54	0.41	0.7	0.66	0.84	0.79	0.36	0.3	-	0.74
ycf3_c44	0.44	0.87	0.82	0.9	0.76	0.88	0.85	0.74	0.82	0.71	0.89
ycf3_c185	0.6	0.95	0.8	0.75	0.76	0.9	0.87	0.89	0.87	0.84	0.73
ycf3_c191	0.41	0.96	0.91	0.75	0.56	0.82	0.72	0.81	0.78	0.84	0.71
ycf4_c254	-	0.81	0.86	0.88	-	0.82	0.62	0.96	0.92	0.84	-

Editing efficiency (edited reads/total reads)

