

Supplementary Table S2

Gene symbol	Gene description	Position at NC_020019	Alignment length	Variable sites	Parsimony informative sites
atpA	ATP synthase CF1 alpha subunit	11018..12541	1524	442	358
atpB	ATP synthase CF1 beta subunit	54894..56390	1497	417	336
atpE	ATP synthase CF1 epsilon subunit	54496..54897	408	129	91
atpF	ATP synthase CF0 B subunit	12601..13871	1450	586	392
atpH	ATP synthase CF0 C subunit	14248..14493	246	42	33
atpI	ATP synthase CF0 A subunit	15595..16338	744	204	159
cemA	envelope membrane protein	63360..64055	702	275	221
clpP	ATP-dependent Clp protease proteolytic subunit	72497..74476	2374	851	608
matK	maturase K	2048..3547	1595	862	700
ndhA	NADH dehydrogenase subunit 1	122360..124529	2604	1146	895
ndhB	NADH dehydrogenase subunit 2	97105..99316	2553	982	878
ndhC	NADH dehydrogenase subunit 3	52672..53034	363	93	68
ndhD	NADH dehydrogenase subunit 4	118178..119692	1534	603	478
ndhF	NADH dehydrogenase subunit 5	112793..115039	2329	1069	866
ndhG	NADH dehydrogenase subunit 6	120837..121367	531	201	161
ndhH	NADH dehydrogenase subunit 7	124531..125712	1188	370	294
ndhI	NADH dehydrogenase subunit I	121762..122265	510	165	124
ndhJ	NADH dehydrogenase subunit J	51362..51838	477	146	111
ndhK	NADH dehydrogenase subunit K	51944..52792	884	292	218
petA	cytochrome f	64295..65257	963	316	253
petB	cytochrome b6	77387..78811	1688	624	467
petD	cytochrome b6/f complex subunit IV	79000..80230	1412	574	403
petG	cytochrome b6/f complex subunit V	68626..68739	114	26	17
petN	cytochrome b6/f complex subunit VIII	29865..29954	90	16	9
psaA	photosystem I P700 chlorophyll a apoprotein A1	41420..43672	2253	442	351
psaB	photosystem I P700 chlorophyll a apoprotein A2	39190..41394	2205	470	374
psaC	photosystem I subunit VII	119821..120066	246	48	43
psbA	photosystem II protein D1	460..1521	1062	191	140
psbB	photosystem II 47 kDa protein	74928..76454	1527	389	306
psbC	photosystem II 44 kDa protein	35743..37164	1422	298	246
psbD	photosystem II protein D2	34734..35795	1062	187	154
psbE	photosystem II protein V	66810..67061	252	41	28
psbH	photosystem II protein H	77042..77263	234	58	46
psbJ	photosystem II protein J	66289..66411	123	21	18
psbN	photosystem II protein N	76808..76939	132	28	19
psbZ	photosystem II protein Z	37846..38034	189	44	32
rbcL	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit	57140..58567	1428	381	287

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rpl14	ribosomal protein L14	83219..83587	369	133	106
rpl2	ribosomal protein L2	86775..88245	1701	837	199
rpl23	ribosomal protein L23	88264..88545	346	128	35
rpl33	ribosomal protein L33	70154..70354	213	89	65
rpoA	RNA polymerase alpha subunit	80436..81443	1066	434	330
rpoB	RNA polymerase beta subunit	24627..27839	3227	1124	817
rpoC1	RNA polymerase beta' subunit	21808..24621	3113	1132	823
rpoC2	RNA polymerase beta" subunit	17506..21642	4374	1776	1394
rps11	ribosomal protein S11	81509..81925	420	146	124
rps14	ribosomal protein S14	38764..39066	306	97	78
rps16	ribosomal protein S16	5069..6191	1500	714	542
rps18	ribosomal protein S18	70532..70837	312	103	76
rps2	ribosomal protein S2	16548..17258	716	237	175
rps4	ribosomal protein S4	47632..48237	630	215	157
rps7	ribosomal protein S7	99642..100109	468	54	35
ycf2	Ycf2	88873..95769	8468	3743	3181
ycf3	photosystem I assembly protein Ycf3	44442..46404	2391	815	579
ycf4	photosystem I assembly protein Ycf4	61907..62461	555	197	153