

Table S1 Overview of the main features of chloroplast genomes of finger lemons and their related varieties

Species name	Genus	Accession number	Genome size and GC content								Number of genes			
			Total		LSC		SSC		IR		Gene	CDS	tRNA	rRNA
			Length (bp)	G+C (%)	Length (bp)	G+C (%)	Length (bp)	G+C (%)	Length (bp)	G+C (%)				
<i>Acer sikkimense</i>	Acer	NC_056232.1	156553	37.8	86345	35.9	18094	32.1	26057	42.9	120	82	33	4
<i>Acer tegmentosum</i>	Acer	NC_056233.1	156524	37.9	86160	36.0	18106	32.2	26129	42.9	120	82	33	4
<i>Acer trautvetteri</i>	Acer	NC_056235.1	155874	37.9	85825	36.1	17895	32.2	26077	42.9	120	82	33	4
<i>Acer velutinum</i>	Acer	NC_056236.1	155586	38.0	85799	36.2	18071	32.2	25858	43.0	120	82	33	4
<i>Astronium urundeuva</i>	Astronium	NC_058755.1	159883	37.9	87703	36.0	19097	32.3	26507	42.9	115	80	31	4
<i>Azadirachta indica</i>	Azadirachta	NC_023792.1	160737	37.5	88137	35.5	18636	31.6	26982	42.7	114	80	30	4
<i>Azadirachta excelsa</i>	Azadirachta	NC_062142.1	160361	37.5	87667	35.6	18596	31.7	27049	42.7	114	80	30	4
<i>Brassica rapa</i>	Brassica	NC_040849.1	153483	36.4	83282	34.1	17775	29.2	26213	42.3	115	81	30	4
<i>Canarium album</i>	Canarium	NC_048982.1	163347	37.5	87838	35.8	13935	32.6	30787	41.1	113	79	30	4
<i>Canarium odontophyllum</i>	Canarium	NC_073520.1	159433	37.7	87717	35.8	18412	32.3	26652	42.8	116	82	30	4
<i>Citrullus lanatus</i>	Citrullus	NC_032008.1	156906	37.2	86845	34.9	17897	31.5	26082	42.8	108	80	24	4
<i>Citrus tangerina</i>	Citrus	NC_065757.1	160699	38.4	87918	36.8	18801	33.1	26990	42.9	116	82	30	4
<i>Citrus clementina</i>	Citrus	NC_059803.1	160702	38.4	87879	36.8	18779	33.1	27022	42.9	113	80	29	4
<i>Citrus nobilis</i>	Citrus	NC_065756.1	160700	38.4	87919	36.8	18801	33.1	26990	42.9	116	82	30	4
<i>Citrus limonia</i>	Citrus	NC_065755.1	160723	38.4	87918	36.8	18789	33.1	27008	42.9	116	82	30	4
<i>Citrus australasica xuemeng</i>	Citrus	MZ929410	160722	38.4	87917	36.8	18789	33.1	27008	42.9	115	81	30	4

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			Length (bp)	G+C (%)	Length (bp)	G+C (%)	Length (bp)	G+C (%)	Length (bp)	G+C (%)				
<i>Citrus jambhiri</i>	Citrus	NC_065754.1	160210	38.4	87397	36.8	18797	33.1	27008	42.9	116	82	30	4
<i>Citrus tachibana</i>	Citrus	NC_064140.1	160600	38.4	87771	36.8	18835	33.1	26997	42.9	115	81	30	4
<i>Citrus cavaleriei</i>	Citrus	NC_053572.1	160996	38.5	87634	36.9	18762	33.2	27300	42.8	116	81	30	4
<i>Citrus junos</i>	Citrus	NC_064135.1	160612	38.4	87800	36.8	18760	33.2	27026	42.9	116	82	30	4
<i>Citrus mangshanensis</i>	Citrus	NC_064138.1	160262	38.4	87852	36.8	18396	33.2	27007	42.9	116	82	30	4
<i>Citrus australasica lvshuijing</i>	Citrus	NC_058999.1	160335	38.4	87677	36.8	18754	33.2	26952	43.0	116	82	30	4
<i>Citrus australasica xiangbinghong</i>	Citrus	NC_058999.1	160335	38.4	87677	36.8	18754	33.2	26952	43.0	115	81	30	4
<i>Citrus australasica meiweilv</i>	Citrus	NC_058999.1	160335	38.4	87677	36.8	18754	33.2	26952	43.0	115	81	30	4
<i>Citrus australasica xiaolubi</i>	Citrus	NC_058999.1	160335	38.4	87676	36.8	18755	33.2	26952	43.0	116	82	30	4
<i>Citrus australasica hongbaoshi</i>	Citrus	MZ929414	160363	38.4	87687	36.8	18758	33.2	26959	43.0	115	81	30	4
<i>Citrus australasica yaoji</i>	Citrus	MZ929418	160363	38.4	87687	36.8	18758	33.2	26959	43.0	115	81	30	4
<i>Citrus australasica lvbaoshi</i>	Citrus	MZ929419	160398	38.4	87714	36.8	18758	33.1	26963	43.0	115	81	30	4
<i>Citrus australasica wokepu</i>	Citrus	MZ929413	160348	38.4	87677	36.8	18767	33.1	26952	43.0	116	82	30	4
<i>Citrus medica</i>	Citrus	NC_050939.1	160031	38.4	87476	36.8	18573	33.3	26991	42.9	115	81	30	4
<i>Citrus indica</i>	Citrus	NC_065753.1	160312	38.4	87623	36.8	18737	33.1	26976	42.9	116	82	30	4
<i>Clausena excavata</i>	Clausena	NC_032685.1	161172	38.3	88056	36.6	18296	33.0	27410	42.8	110	79	27	4
<i>Clausena lansium</i>	Clausena	NC_061742.1	159787	38.7	87664	37.1	17983	33.4	27070	43.0	113	80	30	3

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			Length (bp)	G+C (%)	Length (bp)	G+C (%)	Length (bp)	G+C (%)	Length (bp)	G+C (%)				
<i>Commiphora foliacea</i>	Commiphora	NC_041103.1	160249	37.8	87923	35.8	18746	32.4	26789	42.9	120	84	32	4
<i>Garuga forrestii</i>	Garuga	NC_069621.1	159421	37.9	86826	36.0	19103	32.4	26746	42.9	116	82	30	4
<i>Garuga pinnata</i>	Garuga	NC_071194.1	159422	37.9	86826	36.0	19106	32.4	26745	42.9	121	82	36	4
<i>Glycosmis pentaphylla</i>	Glycosmis	NC_032687.1	159844	38.4	87494	36.7	18332	33.0	27009	42.9	107	79	24	4
<i>Glycosmis parviflora</i>	Glycosmis	NC_060410.1	159825	38.4	87517	36.7	18352	32.9	26978	42.9	109	78	25	4
<i>Glycosmis mauritiana</i>	Glycosmis	NC_032686.1	160131	38.5	87710	36.9	18381	33.1	27020	42.9	107	79	24	4
<i>Gossypium hirsutum</i>	Gossypium	NC_007944.1	160301	37.2	88806	35.2	20280	31.6	25602	43.0	112	78	30	4
<i>Heynea velutina</i>	Heynea	NC_056318.1	160361	37.7	88173	35.7	18272	32.1	26958	42.8	112	77	30	4
<i>Koelreuteria paniculata</i>	Koelreuteria	NC_037176.1	163258	37.3	90236	35.2	18268	31.3	27377	42.6	115	79	30	4
<i>Koelreuteria bipinnata</i>	Koelreuteria	NC_057233.1	163165	37.4	89622	35.5	18851	31.4	27346	42.7	119	81	33	4
<i>Melia azedarach</i>	Melia	NC_050650.1	160393	37.4	87598	35.4	18709	31.4	27043	42.7	115	80	30	4
<i>Murraya koenigii</i>	Murraya	NC_032684.1	159402	38.5	87077	36.9	18125	33.6	27100	42.9	107	79	24	4
<i>Murraya paniculata</i>	Murraya	NC_052700.1	160280	38.6	87605	37.0	18609	33.4	27033	43.0	107	79	24	4
<i>Phellodendron amurense</i>	Phellodendron	NC_035551.1	158442	38.4	86144	36.7	18284	33.2	26999	42.9	116	81	30	4
<i>Phellodendron chinense</i>	Phellodendron	NC_050949.1	158537	38.4	86250	36.6	18287	33.2	27000	42.9	116	81	30	4
<i>Rhus typhina</i>	Rhus	NC_046837.1	160204	37.8	87789	35.8	19319	32.5	26548	42.9	114	80	30	4
<i>Spondias dulcis</i>	Spondias	NC_059000.1	162256	37.7	89353	35.7	18460	32.2	27222	42.7	112	80	28	4

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<i>Tetradium ruticarpum</i>	Tetradium	NC_052830.1	158762	38.3	86267	36.6	18265	33.2	27115	42.8	114	80	30	4
<i>Tetradium glabrifolium</i>	Tetradium	NC_072663.1	158706	38.4	86240	36.6	18212	33.2	27127	42.8	117	82	30	4
<i>Toxicodendron diversilobum</i>	Toxicodendron	NC_068850.1	159543	38.0	87643	36.1	18797	32.7	26525	42.9	116	81	30	4
<i>Zanthoxylum madagascariense</i>	Zanthoxylum	NC_046744.1	158071	38.4	85712	36.7	18253	33.3	27053	42.8	114	80	30	4
<i>Zanthoxylum paniculatum</i>	Zanthoxylum	NC_046745.1	158265	38.4	85883	36.7	18284	33.3	27049	42.8	114	80	30	4
<i>Zanthoxylum pinnatum</i>	Zanthoxylum	NC_046746.1	158722	38.4	86099	36.7	18211	33.5	27206	42.8	114	80	30	4
<i>Zanthoxylum tragodes</i>	Zanthoxylum	NC_046747.1	158425	38.4	86214	36.7	18301	33.3	26955	42.8	114	80	30	4