

附表 1 12 个柿属物种叶绿体基因组特征比较

Appendix table 1 Comparison of characteristics in 12 *Diospyros* chloroplast genomes

种名 Species	基因组大小 Genome size (bp)	LSC 区 长度 Lenth of LSC (bp)	SSC 区长度 Length of SSC (bp)	IR 区长度 Length of IR (bp)	GC 含量 GC content (%)	基因数量 Gene number	蛋白编码 基因数量 Protein encoding- gene number	tRNA 基因数量 tRNA gene number	rRNA 基因数量 rRNA gene number
川柿 <i>Diospyros sutchuensis</i>	157 917	87 303	18 392	26 111	37.4	113	79	30	4
柿 <i>D. kaki</i> *	157 784	87 059	18 505	26 110	37.4	115	80	31	4
君迁子 <i>D. lotus</i> *	157 597	86 948	18 411	26 119	37.4	115	80	31	4
粉叶柿 <i>D. glaucifolia</i> *	157 610	86 965	18 407	26 119	37.4	115	80	31	4
油柿 <i>D. oleifera</i> *	157 760	87 034	18 532	26 097	37.4	115	80	31	4
海南柿 <i>D. hainanensis</i> *	157 999	87 523	18 322	26 077	37.4	114	80	30	4
琼岛柿 <i>D. maclurei</i> *	157 946	87 387	18 397	26 081	37.4	114	80	30	4
老鸦柿 <i>D. rhombifolia</i> *	157 368	87 176	18 018	26 087	37.4	113	79	30	4
乌柿 <i>D. cathayensis</i> *	157 689	87 176	18 349	26 077	37.4	112	78	30	4
<i>D. blancoi</i> *	157 745	87 246	18 323	26 088	37.4	112	78	30	4
<i>D. celebica</i> *	157 643	87 134	18 335	26 087	37.4	113	79	30	4
<i>D. virginiana</i> *	157 761	87 182	18 439	26 115	37.4	112	78	30	4

注: * 表示种类的叶绿体全基因组数据来自 GenBank。

Note: * indicates species data obtained from GenBank are marked with asterisk.

附表 2 12 个柿属物种叶绿体基因组编码区及非编码区高变序列信息
Appendix table 2 Statistics for highly variable sequences in coding and non-coding regions of 12 *Diospyros* chloroplast genomes

基因 Gene	类型 Type	序列长度 Length of sequences (bp)	变异位点 Variable site	
			数量 Number	百分比 Percentage (%)
<i>psbk</i>	Coding	266	69	25.94
<i>trnH-GUG</i>	Coding	111	23	20.72
<i>rpl16-1</i>	Coding	15	3	20.00
<i>trnA-UGC-2</i>	Coding	60	10	16.67
<i>atph</i>	Coding	368	61	16.58
<i>ndhe</i>	Coding	497	69	13.88
<i>rps14</i>	Coding	503	59	11.73
<i>atpf-1</i>	Coding	261	27	10.34
<i>trnaA-UGC-1</i>	Coding	83	8	9.64
<i>psbe</i>	Coding	473	38	8.03
<i>ycf3-2</i>	Coding	408	30	7.35
<i>ndhc</i>	Coding	640	45	7.03
<i>trnL-UAA-1</i>	Coding	68	4	5.88
<i>rrn5</i>	Coding	248	14	5.65
<i>trnS-GCU</i>	Coding	167	9	5.39
<i>psbz</i>	Coding	351	13	3.70
<i>trnT-GGU</i>	Coding	146	4	2.74
<i>trnD-GUC</i>	Coding	176	4	2.27
<i>psac</i>	Coding	502	7	1.39
<i>trnV-UAC-1</i>	Coding	75	1	1.33
<i>psbt</i>	Coding	260	3	1.15
<i>rps12-2-rps12-1</i>	Non-coding	572	282	49.30
<i>ndhB-2-ndhB-1</i>	Non-coding	728	264	36.26
<i>ccsA-ndhD</i>	Non-coding	250	31	12.40
<i>trnM-CAU-rps14</i>	Non-coding	151	18	11.92
<i>trnV-GAC-rrn16</i>	Non-coding	937	111	11.85
<i>rpl2-2-end</i>	Non-coding	70	8	11.43
<i>rpl22-rps19</i>	Non-coding	45	5	11.11
<i>psbE-petL</i>	Non-coding	1 326	145	10.94
<i>trnH-GUG-psbA</i>	Non-coding	486	53	10.91
<i>trnT-UGU-trnL-UAA-1</i>	Non-coding	1 238	103	8.32
<i>ndhF-rpl32</i>	Non-coding	1 038	86	8.29
<i>rpl32-trnL-UAG</i>	Non-coding	940	77	8.19
<i>rps19-rpl2-2</i>	Non-coding	62	5	8.06
<i>ndhG-ndhI</i>	Non-coding	410	31	7.56
<i>ndhJ-ndhK</i>	Non-coding	106	8	7.55
<i>trnD-GUC-trnY-GUA</i>	Non-coding	107	8	7.48
<i>petG-trnW-CCA</i>	Non-coding	122	9	7.38
<i>rps16-1-trnQ-UUG</i>	Non-coding	1 858	135	7.27
<i>psbA-trnK-UUU-2</i>	Non-coding	234	16	6.84
<i>trnY-GUA-trnE-UUC</i>	Non-coding	60	4	6.67