

Table S1. Previously published complete chloroplast genome accessions obtained from GenBank

No	Species name	NCBI accession number	No	Species name	NCBI accession number
1	<i>Allium plurifoliatum</i>	NC_058220	38	<i>Allium mairei</i>	NC_045913
2	<i>Allium paepalanthoides</i>	MK299429	39	<i>Allium condensatum</i>	NC_068831
3	<i>Allium sikkimense</i>	NC_058221	40	<i>Allium tuberosum</i>	MK820623
4	<i>Allium cyaneum</i>	NC_058219	41	<i>Allium ramosum</i>	MH159131
5	<i>Allium forrestii</i>	NC_049101	42	<i>Allium taquetii</i>	NC_070337
6	<i>Allium changduense</i>	NC_058218	43	<i>Allium trifurcatum</i>	NC_045844
7	<i>Allium songpanicum</i>	MN648634	44	<i>Allium ochotense</i>	OP743939
8	<i>Allium praemixtum</i>	NC_044412	45	<i>Allium microdictyon</i>	OP743936
9	<i>Allium oschaninii</i>	NC_044470	46	<i>Allium ulleungense</i>	OP743946
10	<i>Allium pskemense</i>	NC_044411	47	<i>Allium listera</i>	NC_062841
11	<i>Allium sacculiferum</i>	NC_070336	48	<i>Allium victorialis</i>	MH341458
12	<i>Allium longistylum</i>	OQ701009	49	<i>Allium tricoccum</i>	OP743945
13	<i>Allium pseudojaponicum</i>	OQ701010	50	<i>Allium prattii</i>	NC_037432
14	<i>Allium chinense</i>	NC_043922	51	<i>Allium nanodes</i>	NC_045520
15	<i>Allium minus</i>	OP743937	52	<i>Allium ovalifolium</i>	MK628479
16	<i>Allium austrosibiricum</i>	OP743931	53	<i>Allium macleanii</i>	LT699703
17	<i>Allium dumebuchum</i>	OP743933	54	<i>Allium fetisowii</i>	NC_049100
18	<i>Allium senescens</i>	ON008503	55	<i>Allium neriniflorum</i>	MK820617
19	<i>Allium spirale</i>	NC_068826	56	<i>Allium omeiense</i>	NC_065780
20	<i>Allium spurium</i>	OP743943	57	<i>Allium chienchuanense</i>	NC_065779
21	<i>Allium prostratum</i>	OP743940	58	<i>Allium xiangchengense</i>	NC_065778
22	<i>Allium thunbergii</i>	NC_070338	59	<i>Allium fasciculatum</i>	ON184006
23	<i>Allium angulosum</i>	OP743930	60	<i>Allium macranthum</i>	NC_049102
24	<i>Allium flavescens</i>	OP743934	61	<i>Allium wallichii</i>	ON872149
25	<i>Allium linearifolium</i>	OQ701008	62	<i>Allium triquetrum</i>	ON183353
26	<i>Allium anisopodium</i>	NC_068830	63	<i>Allium paradoxum</i>	NC_039661
27	<i>Allium tenuissimum</i>	MW759301	64	<i>Allium zebdanense</i>	MZ019480
28	<i>Allium przewalskianum</i>	NC_046059	65	<i>Allium ursinum</i>	MH157875
29	<i>Allium eduardii</i>	NC_068827	66	<i>Allium kingdonii</i>	NC_046030
30	<i>Allium glomeratum</i>	NC_068790	67	<i>Allium monanthum</i>	NC_042726
31	<i>Allium bidentatum</i>	NC_068829	68	<i>Allium siculum</i>	NC_057584
32	<i>Allium caespitosum</i>	NC_068828	69	<i>Tulbaghia violacea</i>	NC_057555
33	<i>Allium mongolicum</i>	MT130396	70	<i>Gilliesia graminea</i>	NC_057578
34	<i>Allium polyrhizum</i>	NC_049104	71	<i>Milla biflora</i>	KX822778
35	<i>Allium spicatum</i>	NC_045911	72	<i>Pancratium maritimum</i>	NC_063302
36	<i>Allium cyathophorum</i>	MN882560	73	<i>Allium cernuum</i>	NC_057572
37	<i>Allium tetraploideum</i>	MN882564			