

Table S3 Overview of the main features of the chloroplast genome of *Viburnum* and its related outgroups.

Species name	Genome size and GC content								Number of gens		
	Total		LSC		SSC		IR		cds	tRN A	rRN A
	Length (bp)	G + C (%)	Length (bp)	G + C (%)	Length (bp)	G + C (%)	Length (bp)	G + C (%)			
<i>Viburnum wrightii</i> S14755	158,597	38.1	87,051	36.4	18,512	31.9	26,517	43.0	84	37	8
<i>Viburnum utile</i> S11576	158,391	38.1	87,070	36.4	18,243	32.1	26,539	43.0	84	37	8
<i>Viburnum trabeculosum</i> S11670	158,491	38.1	87,029	36.4	18,458	32.0	26,502	43.0	84	37	8
<i>Viburnum thibeticum</i> S05461	158,669	38.1	87,245	36.4	18,438	32.0	26,493	43.0	84	37	8
<i>Viburnum tengyuehense</i> J7792	158,439	38.1	87,017	36.4	18,442	32.0	26,490	43.0	84	37	8
<i>Viburnum sympodiale</i> S05459	158,280	38.0	86,862	36.3	18,330	31.9	26,544	42.9	84	37	8
<i>Viburnum subalpinum</i> S14754	158,446	38.1	87,016	36.4	18,424	32.1	26,503	43.0	85	37	8
<i>Viburnum sempervirens</i> J7790	158,631	38.1	87,059	36.4	18,536	31.9	26,518	43.0	85	37	8
<i>Viburnum schensianum</i> S07759	158,346	38.1	87,037	36.4	18,231	32.1	26,539	43.0	85	37	8
<i>Viburnum plicatum</i> S12269	158,297	38.0	86,838	36.3	18,335	31.9	26,542	42.9	85	37	8
<i>Viburnum mullaha</i> S11481	158,437	38.1	87,007	36.4	18,464	32.0	26,483	43.0	85	37	8
<i>Viburnum mongolicum</i> S07757	158,349	38.1	87,040	36.4	18,231	32.2	26,539	43.0	85	37	8
<i>Viburnum leiocarpum</i> S07754	158,642	38.1	87,098	36.4	18,458	32.1	26,543	43.0	85	37	8
<i>Viburnum lancifolium</i> S07753	158,622	38.1	87,072	36.4	18,516	31.9	26,517	43.0	85	37	8
<i>Viburnum koreanum</i> S07752	158,395	38.1	86,958	36.4	18,457	32.1	26,490	43.0	85	37	8
<i>Viburnum inopinatum</i> S09118	158,695	38.1	87,166	36.4	18,443	32.1	26,543	42.9	85	37	8
<i>Viburnum inopinatum</i> S05456	158,709	38.1	87,199	36.4	18,460	32.0	26,525	42.9	85	37	8
<i>Viburnum hupehense</i> S14752	158,507	38.1	87,074	36.4	18,421	32.0	26,506	43.0	85	37	8
<i>Viburnum henryi</i> S07751	158,490	38.1	87,052	36.4	18,455	32.0	26,505	43.0	85	37	8
<i>Viburnum grandiflorum</i> J7781	158,690	38.1	87,288	36.4	18,446	32.0	26,478	43.0	85	37	8
<i>Viburnum dilatatum</i> S05454	158,470	38.1	87,046	36.4	18,456	32.0	26,484	43.0	85	37	8
<i>Viburnum corymbiflorum</i> S05453	158,487	38.1	87,027	36.4	18,450	32.0	26,505	43.0	85	37	8
<i>Viburnum congestum</i> S10965	158,425	38.1	87,100	36.4	18,247	32.1	26,539	43.0	85	37	8
<i>Viburnum cinnamomifolium</i> S09116	158,105	38.1	88,546	36.4	18,679	32.1	26,191	43.1	85	37	8
<i>Viburnum chunii</i> S14751	158,559	38.1	87,029	36.4	18,462	32.0	26,484	43.0	85	37	8
<i>Viburnum chinshanense</i> S10962	158,383	38.1	87,059	36.4	18,246	32.1	26,539	43.0	85	37	8
<i>Viburnum burmanicum</i> S09115	158,627	38.1	87,207	36.4	18,422	32.0	26,499	43.0	85	37	8
<i>Viburnum buddleifolium</i> S07743	158,393	38.5	87,072	36.4	18,243	32.1	26,539	43.0	85	37	8
<i>Viburnum betulifolium</i> S10501	158,544	38.5	87,081	36.4	18,470	32.0	26,497	43.0	85	37	8
<i>Viburnum atrocyaneum</i> S12358	158,031	38.4	86,971	36.4	18,754	32.0	26,153	43.1	85	37	8
<i>Viburnum amplifolium</i> S07742	158,726	38.1	87,296	36.4	18,458	32.0	26,486	43.0	85	37	8