

Table S1: Studied taxa and their GenBank accession numbers, references and IR-LSC junction positions.

Taxon	GenBank Accession Number	Reference	IR-LSC Junction Position
Basal Angiosperms			
Amborellaceae			
<i>Amborella trichopoda</i>	NC_005086	Goremykin et al. 2003 [29]	b
Nymphaeaceae			
<i>Brasenia schreberi</i>	AB331296, AB331347	Current study	b
<i>Euryale ferox</i>	AB331295, AB331346	Current study	b
<i>Nymphaea alba</i>	NC_006050	Goremykin et al. 2004 [47]	b
<i>Nuphar advena</i>	NC_008788	Raubeson et al. 2007 [48]	c'
Austrobaileyales			
<i>Kadsura japonica</i>	AB331304, AB331328	Current study	a
<i>Schisandra arisanensis</i>	AB331282, AB331329	Current study	e
Ceratophyllales			
<i>Ceratophyllum demersum</i>	AB331297, AB331348 EF614270	Current study Moore et al. 2007 [49]	b
Chloranthaceae			
<i>Chloranthus oldhami</i>	AB331284, AB331333	Current study	c
<i>Chloranthus spicatus</i>	NC_009598	Hansen et al. 2007 [13]	c
<i>Sarcandra glabra</i>	AB331291, AB331341	Current study	c
Magnoliids			
Canellales			
<i>Canella winterana</i>	AB331300, AB331352	Current study	c
<i>Zygogynum pauciflorum</i>	AB331299, AB331351	Current study	d
<i>Drimys granadensis</i>	DQ887676	Cai et al. 2006 [39]	d
Piperales			
<i>Piper coenoclatum</i>	DQ887677	Cai et al 2006 [39]	b
<i>Piper kadsura</i>	AB331285, AB331334	Current study	b
<i>Houtuynia cordata</i>	AB331281, AB331326	Current study	b
<i>Saururus chinensis</i>	AB331280, AB331325	Current study	b
Laurales			
<i>Calycanthus fertilis</i>	AJ428413	Goremykin, 2003 [29]	a'
<i>Calycanthus floridus</i>	NC_004993	Goremykin, 2003 [30]	a'
<i>Cinnamomum camphora</i>	AB331294, AB331344	Current study	b
<i>Litsea hypophaea</i>	AB331293, AB331343	Current study	b
Magnoliales			
<i>Artabotrys hongkongensis</i>	AB331301, AB331363	Current study	b

<i>Fissistigma glaucescens</i>	AB331302, AB331364	Current study	b
<i>Michelia compressa</i>	AB331279, AB331321	Current study	b
<i>Liriodendron chinense</i>	AB331303, AB331360	Current study	b
<i>Liriodendron tulipifera</i>	NC_008326	Cai et al. 2006 [39]	b
Eudicots			
Ranunculales			
<i>Nandia domestica</i>	DQ923117	Moore et al. 2006 [50]	e
<i>Ranunculus japonica</i>	AB244028, AB331322	Current study	c
<i>Ranunculus macranthus</i>	NC_008796	Raubeson et al. 2007 [48]	c
<i>Stauntonia hexaphylla</i>	AB331289, AB331339	Current study	e
Proteales			
<i>Grevillea robusta</i>	AB331286, AB331335	Current study	b
<i>Nelumbo nucifera</i>	AB331309, AB331327	Current study	b
<i>Platanus occidentalis</i>	DQ923116	Moore et al. 2006 [50]	e
Sabiaceae			
<i>Meliosma rigida</i>	AB331288, AB331338	Current study	b
Trochodendraceae			
<i>Trochodendron aralioides</i>	AB331290, AB331340	Current study	b
Buxaceae			
<i>Buxus microphylla</i>	AB331298, AB331349	Current study	b
	NC_009599	Hansen et al. 2007 [13]	
Caryophyllales			
<i>Spinacea oleracea</i>	NC_002202	Schmitz-Linneweber et al. 2001 [51]	e
Dipsacales			
<i>Viburnum awabuki</i>	AB331287, AB331337	Current study	b
Asterales			
<i>Helianthus annuus</i>	DQ383815	Timme et al. unpublished	e
'HA383'			
<i>Lactuca sativa</i>	AP007232	Kanamoto et al. unpublished	b
	DQ383816	Timme et al. unpublished	
Apiales			
<i>Panax schinseng</i>	NC_006290	Kim and Lee 2004 [52]	e
<i>Tetrapanax papyriferus</i>	AB331283, AB331331	Current study	e
<i>Daucus carota</i>	DQ898156	Ruhlman et al. 2006 [53]	e
Gentianales			
<i>Coffea arabica</i>	NC_008535	Samson et al. 2007 [54]	e
Lamiales			
<i>Digitalis purpurea</i>	Z71251, Z71252	Goulding et al. 1996 [15]	e
<i>Epifagus virginiana</i>	M81884	Wolfe et al. 1992 [55]	e

<i>Jasminum nudiflorum</i>	DQ673255	Lee et al. 2007 [56]	b
Solanales			
<i>Atropa belladonna</i>	NC_004561	Schmitz-Linneweber et al. 2002 [57]	b
<i>Nicotiana acuminata</i>	Z71253, Z71254	Goulding et al. 1996 [15]	e
<i>Nicotiana alata</i>	Z71239	Goulding et al. 1996 [15]	e
<i>Nicotiana attenuata</i>	Z71242	Goulding et al. 1996 [15]	e
<i>Nicotiana bigelovii</i>	Z71225, Z71226	Goulding et al. 1996 [15]	e
<i>Nicotiana debneyi</i>	X00796, X00798	Zurawski et al. 1984 [45]	e
<i>Nicotiana glauca</i>	Z71244	Goulding et al. 1996 [15]	e
<i>Nicotiana glutinosa</i>	Z71238	Goulding et al. 1996 [15]	e
<i>Nicotiana palmeri</i>	Z71234, Z71235	Goulding et al. 1996 [15]	e
<i>Nicotiana plumbaginifolia</i>	Z71240, Z71241	Goulding et al. 1996 [15]	e
<i>Nicotiana nudicaulis</i>	Z71232	Goulding et al. 1996 [15]	e
<i>Nicotiana sylvestris</i>	Z71233	Goulding et al. 1996 [15]	e
	AB237912	Yukawa et al. 2006 [58]	
<i>Nicotiana tabacum</i> 'Bright Yellow 4'	NC_001879	Shinozaki et al. 1986 [3]	e
<i>Nicotiana tabacum</i> cultivars	Z71227- Z71230, Z71236, Z71237	Goulding et al. 1996 [15]	e
<i>Nicotiana tomentosiformis</i>	AB240139	Yukawa et al. 2006 [58]	e
<i>Nicotiana velutina</i>	Z71243	Goulding et al. 1996 [15]	e
<i>Petunia hybrida</i>	X12856	Aldrich et al. 1988 [59]	e
<i>Solana bulbocastanum</i>	DQ347958	Daniell et al. unpublished	e
<i>Solanum lycopersicum</i> 'LA3023'	DQ347959	Daniell et al. unpublished	e
<i>Solanum lycopersicum</i> 'Moneymaker'	Z71245, Z71246	Goulding et al. 1996 [15]	e
<i>Solanum lycopersicum</i>	AM087200	Kahlau et al. 2006 [60]	e
<i>Solanum nigrum</i>	Z71249, Z71250	Goulding et al. 1996 [15]	e
<i>Solanum tuberosum</i>	Z71247, Z71248	Goulding et al. 1996 [15]	e
<i>Solanum tuberosum</i> 'Desiree'	DQ386163	Gargano et al. unpublished	e
Vitaceae			
<i>Vitis vinifera</i>	NC_007957	Jansen et al. 2006 [31]	a'
Myrtales			
<i>Oenothera elata</i> ssp. <i>hookeri</i>	NC_002693	Hupfer et al. 2000 [61]	e
<i>Eucalyptus globulus</i>	NC_008115	Steane et al. 2005 [62]	b
<i>Syzygium jambos</i>	AB331292, AB331342	Current study	e

Brassicales			
<i>Arabidopsis thaliana</i>	NC_000932	Sato et al. 1999 [63]	b
<i>Sinapis alba</i>	X17331	Nickelsen and Link 1990 [64]	e
Sapindales			
<i>Citrus sinensis</i>	NC_008334	Bausher et al. 2006 [65]	e'
Malvales			
<i>Gossypium barbadense</i>	AP009123	Ibrahim et al. 2006 [66]	b
<i>Gossypium hirsutum</i>	NC_007944	Lee et al. 2006 [67]	b
Malpighiales			
<i>Populus alba</i>	NC_008235	Okumura et al. unpublished	e'
Fabales			
<i>Glycine max</i>	X06429	Spielmann et al. 1988 [68]	e
	NC_007942	Saski et al. 2005 [69]	
<i>Lotus japonicus</i>	NC_002694	Kato et al. 2000 [70]	b
<i>Vigna angularis</i>	AF536225, AF536226	Perry et al. 2002 [18]	e'
Cucurbitales			
<i>Cucumis sativus</i>	NC_007144	Plader et al. unpublished	b
Rosales			
<i>Elaeagnus formosana</i>	AB244029, AB331323	Current study	c'
<i>Morus indica</i>	DQ226511	Ravi et al. 2006 [71]	b
Monocots			
Acorales			
<i>Acorus calamus</i>	AJ879453	Goremykin et al. 2005 [72]	d
	AB331256, AB331311	Current study	
<i>Acorus gramineus</i>	AB331257, AB331312	Current study	d
Alismatales			
<i>Alisma canaliculatum</i>	AB331258, AB331313	Current study	d
<i>Caldesia grandis</i>	AB331310, AB331372	Current study	b
<i>Alocasia odora</i>	AB331277, AB331361	Current study	b
<i>Syngonium podophyllum</i>	AB331278, AB331362	Current study	b
<i>Najas indica</i>	AB331276, AB331358	Current study	b
<i>Potamogeton crispus</i>	AB331275, AB331371	Current study	c'
Pandanales			
<i>Pandanus odoratissimus</i>	AB331260, AB331316	Current study	d
Dioscoreales			
<i>Dioscorea elephantipes</i>	NC_009601	Hansen et al. 2007 [13]	c'
Liliales			
<i>Lilium formosamum</i>	AB331270, AB331357	Current study	d
Asparagales			
<i>Asparagus densiflorus</i>	AB331262, AB331318	Current study	f

<i>Crinum asiaticum</i>	AB331268, AB331356	Current study	g
<i>Dendrobium</i> sp.	AB331272, AB331367	Current study	g
<i>Oncidium flexuosum</i>	AB331305, AB331366	Current study	g
<i>Phalaenopsis aphrodite</i>	NC_007499	Chang et al. 2006 [20]	g
Commelinales			
<i>Murdannia keisak</i>	AB331265, AB331370	Current study	g
Zingiberales			
<i>Hedychium coronarium</i>	AB331263, AB331324	Current study	f
Arecales			
<i>Livistona chinensis</i>	AB331261, AB331317	Current study	f
Dasypogonaceae			
<i>Dasypogon bromeliifolius</i>	AB331273, AB331368	Current study	f
<i>Calectasia intermedia</i>	AB331274, AB331369	Current study	f
Poales			
<i>Scirpus ternatanus</i>	AB331264, AB331336	Current study	f
<i>Agrostis stolonifera</i>	EF115543	Saski et al. unpublished	f
<i>Bambusa oldhamii</i>	AB331267, AB331350	Current study	f
<i>Digitaria sanguinalis</i>	AB331271, AB331359	Current study	f
<i>Hordeum vulgare</i> ssp. <i>vulgare</i> 'Morex'	EF115541	Saski et al. unpublished	f
<i>Oryza nivara</i>	NC_005973	Masooda et al. 2004 [73]	f
<i>Oryza sativa</i>	NC_001320	Hiratsuka et al. 1989 [74]	f
<i>Saccharum officinarum</i>	NC_006084	Asano et al. 2004 [75]	f
<i>Sorghum bicolor</i> 'BTx623'	EF115542	Saski et al. unpublished	f
<i>Triticum aestivum</i>	NC_002762	Ogihara et al. 2002 [76]	f
<i>Zea mays</i>	NC_001666	Maier et al. 1995 [9]	f
<i>Typha angustata</i>	AB331259, AB331315	Current study	f
