

NUCLEAR FINGERPRINTING IDENTIFICATION OF BLACK FLY SPECIES IN THE
SIMULIUM JENNINGSI SPECIES GROUP (DIPTERA: SIMULIIDAE)

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Abstract

A molecular approach was taken to differentiate morphologically homogeneous species within the *Simulium jenningsi* species group (SJG). This group of Nearctic black flies consisting of 22 recognized species has its highest diversity in the southeastern United States. No other group of black flies in this region is more ubiquitous or pestiferous. Female black flies in this group are nearly isomorphic, which complicates identification, elucidation of host specificity and pest status, and directed control of through application of Bti in the appropriate natal streams. Among SJG species, only *S. luggeri* Nicholson & Mickel, *S. jenningsi* Malloch, and *S. penobscotense* Snoddy & Bauer have well documented medical and veterinary importance. However, in the Deep South these three species are uncommon or not present (*penobscotense*), so other group species must be to blame for causing human discomfort. The objective of this study was to use sequences from the nuclear gene *speckle* (IKappaB kinase complex) for identification of and phylogenetic resolution among SJG species. The ultimate application of the fruits of this project is enabling the identification of pest females. Several positively identified individuals (mostly pupae) of each species were used as standards against which unknowns can eventually be compared. Parsimony and Bayesian phylogenetic analyses were conducted. The data obtained permitted identification of all morphospecies except *S. nyssa* Stone & Snoddy, *S. infenestrum* Moulton & Adler, and *S. penobscotense*. It could not resolve relationships within the *fibrinflatum* (*fibrinflatum* Twinn, *notiale* Stone & Snoddy, *snowi* Stone & Snoddy, and *underhilli* Stone & Snoddy) and *taxodium* (*taxodium* Snoddy, *lakei* Snoddy, *chlorum* Moulton & Adler, *confusum* Moulton & Adler) complexes. A large degree of polymorphism was observed within several species, possibly indicative of introgression or highly polymorphic antecedent species.

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Introduction

i. General Black Fly Life History

Occurring worldwide, with the exception of Antarctica and some small oceanic islands, black flies (Diptera: Simuliidae) are truly a ubiquitous group of aquatic flies associated with lotic waters (Adler 2005). Over 1700 species of black flies have been described, with 234 of them in North America (Adler et al. 2004). Of the North American simuliids, approximately one-third cause some range of discomfort to humans, livestock, and birds. With the exception of one species complex, gravid female black flies prefer to oviposit in a location similar to their ancestral habitat (Adler et al. 2004). The immature stages are mainly found in freshwater lotic communities (Stone & Snoddy 1969). Black flies rely on moving water for larval development. While more than one species of black fly can occur in the same area, each species has its own range of temperatures that leads to maximum individual fitness during development (Adler et al. 2004). Species distribution is influenced by habitat creation due to topography (Stone & Snoddy 1969) and by contemporary and historical factors (Adler et al. 2004). Different species of black flies display specific tolerance levels for surviving in certain habitats. Interactions between biotic and abiotic factors can cause certain species to be present or absent in a specific location (Ross & Merritt 1987).

Black fly eggs play a minor role in the stream system biotic process and are difficult to target with control measures (Colbo 1987). Oviposition occurs during flight, landing on a surface, or sometimes a combination of the two. Female black flies commonly deposit eggs directly onto the water's surface or onto a wetted substrate (Adler et al. 2004). Oviposition strategies are known for only a small percentage of species. Once laid, the eggs are susceptible to desiccation. The eggs tend to sink into the sediment before development takes place, which can take four days

to eight months, depending on whether the species undergoes diapause (Currie 1986). Habitat conditions, such as temperature changes and sediment disturbances, act as developmental cues. As the egg matures, larval eyespots and the egg burster can be seen through the chorion (Currie 1986). The larva's cephalic egg burster facilitates eclosion from the egg (Adler & Kim 1985).

Compared to the egg, the larval stage is more specialized in its requirements for successful development. Ranges of ecological tolerance vary widely for different black fly species (Stone & Snoddy 1969). Larvae attach themselves to underwater substrates, such as rocks and vegetation, in currents by spinning a silk attachment pad onto the selected substrate (Adler et al. 2004) and using a ring of tiny hooks on their posterior end (= posterior circlet) (Adler & Kim 1985) to hold themselves in place. Larvae spend a majority of their development feeding. Filter-feeding species have elaborate labral fans that passively capture fine particulate organic matter (FPOM) in the water. These larvae position themselves at specific angles on the chosen substrate to take advantage of the flow of water. The two fans are positioned in such a way that one fan collects in the main flow while the other collects from vortices from the substrate (Adler & McCreadie 2002). In fast-flowing water larvae tend to have relatively small, robust fans, while in slow-moving water they have larger, more delicate fans (Currie & Craig 1987). The size of the fan is in comparison to the larval head. There are a few species, however, that have lost their fans and are predators or scrapers (Stone & Snoddy 1969).

Larvae can relocate to another location in the habitat by drifting. The larva attaches a mooring line of silk to the substrate, then translocates in the current after releasing itself from the original substrate (Adler & Kim 1986). This life stage can be completed in a matter of weeks to several months, depending on factors such as temperature and nutrition (Stone & Snoddy 1969),

and generally consists of at least six interstadial molts. The final instar larva uses salivary silk to spin a cocoon in preparation for pupation (Currie 1986).

During “apolysis”, the process during which the larval cuticle separates from the epidermis, the last larval instar is called a “pharate pupa” (Adler et al. 2004). The pharate pupa is still capable of moving and selects the site to anchor the cocoon. Once secured, there is no potential for movement in the stream continuum, regardless of changing conditions, such as velocity or beaching (Colbo 1987). The cocoon houses and protects the developing adult. Generally, species that preferentially develop in fast flowing streams spin a cocoon that is tightly woven, whereas those developing in very slow flowing habitats often have rudimentary, loosely strewn ones. Pupation sites may be different from the larval habitats. Pharate pupae of some species, such as those of *Stegopterna* Enderlein, move into the substrate to pupate and as a result their pupae are often difficult to collect. Cocoons have several different forms that often are characteristic of the species or higher-level taxon to which it belongs (Stone & Snoddy 1969). Cocoons are oriented with the posterior end directed towards the current. The pupal stage can last a few days to a few weeks and duration is influenced by temperature (Adler et al. 2004). Species pupating in cold streams at high altitudes characteristically have longer development times (Currie 1986). Once the adult is ready to emerge, a slit forms along the anterodorsum of the pupal cuticle. The adult then travels to the surface of the water in a gas bubble.

Upon reaching the surface, adult black flies are capable of flight and reproduction. Initial dispersal flights of adults are used to find mates, food sources or hosts, and breeding sites (Adler et al. 2004). For sexually reproducing species, copulation occurs almost immediately after emergence (Stone & Snoddy 1969). Male black flies utilize swarming in order to mate with females but it is not a prerequisite (Wenk 1987). Both males and females take sugar meals but

females generally require blood meals for egg maturation (anautogenous), although sometimes not for their first gonotrophic cycle. Females can produce about 100-600 eggs in one batch and females of certain species may lay several of these egg batches in a lifetime (Adler & McCreadie 2002). Males tend to develop more quickly and emerge before females. This phenomenon is common in Simuliidae; males create aerial swarms that females enter, where they are intercepted by males and copulate. The lifespan of adult black flies tends to be less than one month (Adler & McCreadie 2002), so within that time they mate, find food sources, take blood meals, and oviposit. Females of some species can undergo several gonotrophic cycles.

Parasites of black flies include a variety of mermithid nematodes, fungi, protozoans, and viruses. These parasites appear to have a broad host range (Molloy 1987). Each parasite has its own unique interaction with its host and level of disease severity. Excluding the egg, all life stages of black flies can be targeted. However, if the parasitism inhibits metamorphosis of its host, it could be inhibiting its own dispersal (Molloy 1987). A wide range of parasites and pathogens that could be control agents have been identified but much additional research is needed into propagation and field feasibility of these potential management tools (Lacey & Undeen 1987). *Bacillus thuringiensis* var. *israelensis* (Bti) (serotype H-14) has demonstrated effective larval control against some species of black flies (Gaugler & Finney 1982). Vectobac® (Valent Biosciences, Walnut Creek, CA) is the current and most widely used Bti formulation against larval black flies.

Black flies are an important source of distress from both recreational and agricultural standpoints. The abundance of black flies results in less enjoyment from outdoor recreational activities and agriculture suffering economic losses in production and control efforts (Kim & Merritt 1987). Black flies typically are ornithophilic or mammalophilic, and their host specificity

can vary (Adler 2005). Some species of black flies feed on humans even when other hosts are available, but no single species is considered to be anthropophilic (Crosskey 1990). Females searching for a host can use swarming behavior. Individual flies in these swarms can annoy humans and animals alike just by being around the face and or entering the eyes, ears, nose, and mouth (Currie 1986), with or without biting the host. Many black fly species have an important medical impact. Female black flies feed on their host by first lacerating the skin and then consuming the pooled blood (Crosskey 1990). During feeding the fly may introduce disease-causing organisms into its host. Some species are capable of being vectors of pathogens such as *Onchocerca* spp. and *Leucocytozoon* spp. One of the most common disease associations with black flies is with *Onchocerca volculus*, the nematode that causes river blindness. This disease is a serious problem in Africa, where it is vectored mainly by *Simulium damnosum*. Members of the *S. jenningsi* species group are not known to be vectors of river blindness or any other pathogen. However, swarms can annoy livestock to the point where the animals deviate from normal behaviors, which can put their lives at risk. Animals bitten during massive attacks may experience toxemic shock or excessive blood withdrawal and may not be able to recover (Adler et al. 2004). In humans, black fly bites can range from being unpleasant to possibly life threatening, but rarely lead to death. Infections from bites can occur mostly due to allergic reactions which may be severe. If an individual experiences headache, nausea, fever, and swollen lymph nodes in the neck, they may have what is referred to as “black fly fever” (Hill et al. 2008), a severe allergic reaction. This “fever” can range in severity, and the individual may miss work and seek medical attention or hospitalization (Crosskey 1990).

ii. *Simulium jenningsi* Species Group

Prior to the mid-1900s, the *Simulium jenningsi* species group of Nearctic species went largely undetected during collecting and describing campaigns in northern parts of the continent where many of its constituent species either do not occur or are found in large rivers that are difficult to survey (Moulton & Adler 1995). The *S. jenningsi* species group was originally placed in the subgenus *Simulium* (*Phosterodoros*) by Stone and Snoddy (1969). However, it was subsequently synonymized with *Simulium* (*Simulium*) and relegated to species group status by Moulton & Adler (1995). Currently there are 22 known species in the group (Fig. 1, Table 1).

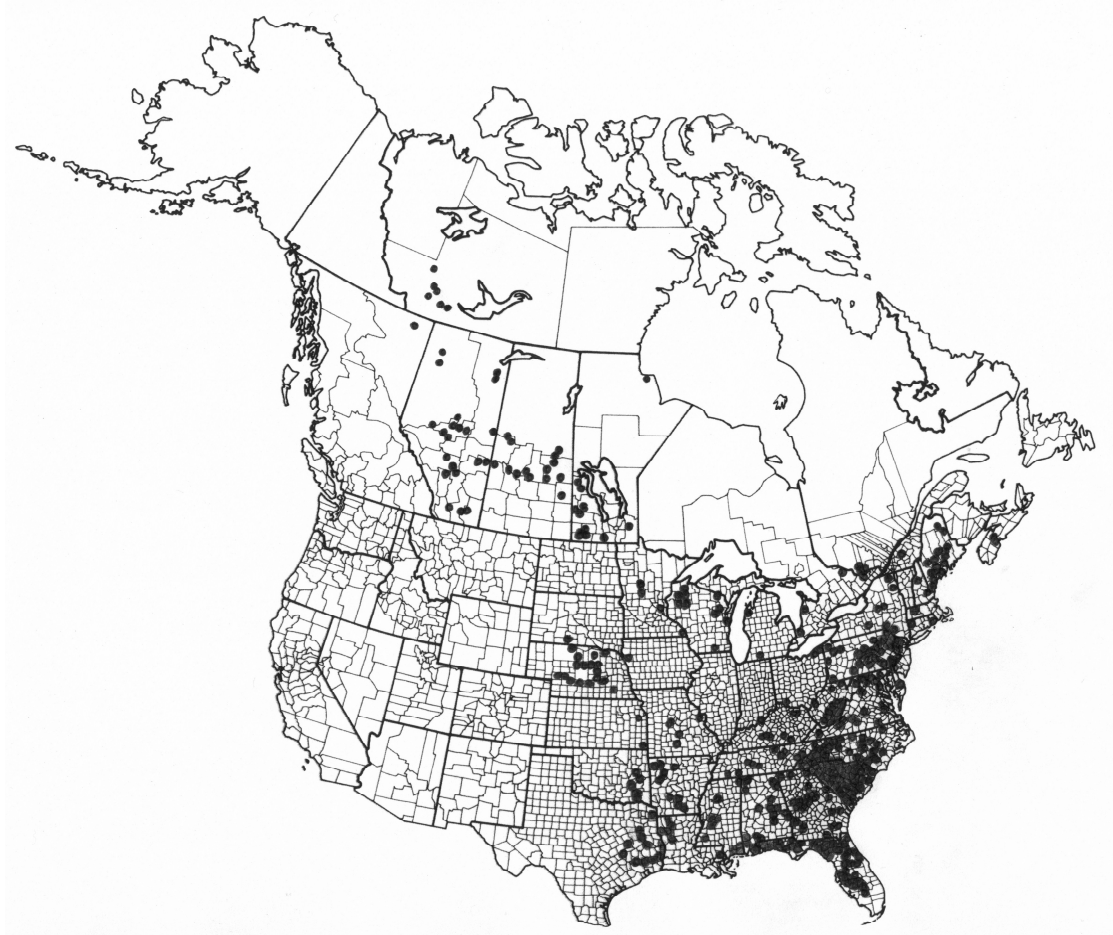


Figure 1: Known Distribution of *S. jenningsi* Species Group Members. Localities are indicated by black dots. (After Adler et al. 2004)

Table 1: Members of the *S. jenningsi* Species Group (Moulton & Adler 1995).

Indented names preceded by “=” are major recognized synonymies.

Species	Author
<i>S. (S.) anchistinum</i>	Moulton & Adler 1995
<i>S. (S.) aranti</i>	Stone & Snoddy 1969
<i>S. (S.) chlorum</i>	Moulton & Adler 1995
<i>S. (S.) confusum</i>	Moulton & Adler 1995
<i>S. (S.) definitum</i>	Moulton & Adler 1995
<i>S. (S.) dixiense</i>	Stone & Snoddy 1969
<i>S. (S.) fibrinflatum</i>	Twinn 1939
= <i>S. (S.) underhilli</i>	Stone & Snoddy 1969
<i>S. (S.) haysi</i>	Stone & Snoddy 1969
<i>S. (S.) infenestrum</i>	Moulton & Adler 1995
<i>S. (S.) jenningsi</i>	Malloch 1914
= <i>S. (S.) nigroparvum</i>	Twinn 1936
<i>S. (S.) jonesi</i>	Stone & Snoddy 1969
<i>S. (S.) krebsorum</i>	Moulton & Adler 1992
<i>S. (S.) lakei</i>	Snoddy 1976
<i>S. (S.) luggeri</i>	Nicholson & Mickel 1950
<i>S. (S.) notiale</i>	Stone & Snoddy 1969
<i>S. (S.) nyssa</i>	Stone & Snoddy 1969
<i>S. (S.) ozarkense</i>	Moulton & Adler 1995
<i>S. (S.) penobscotense</i>	Snoddy & Bauer 1978

Table 1 (Cont.)

Species	Author
<i>S. (S.) podostemi</i>	Snoddy 1971
<i>S. (S.) remissum</i>	Moulton & Adler 1995
<i>S. (S.) snowi</i>	Stone & Snoddy 1969
<i>S. (S.) taxodium</i>	Snoddy & Beshear 1968

iii. SJG Species Group Ecology

The greatest diversity within the SJG is concentrated in the southeastern part of the United States (Moulton & Adler 1995). This species group is the most diverse in the southeast due to habitat diversity and population densities during the summer months (Moulton & Adler 1992). A number of species occur as far north as Canada, such as *S. fibrinflatum* in Ontario and Quebec (type locality = Ottawa River) in the east and *S. luggeri* in Yukon Territory (Currie 1986; Twinn 1936). *Simulium penobscotense* Snoddy & Bauer is the only species in the group known only from northern latitudes. Several species, particularly those that occur in larger streams and rivers, are widespread, including *S. jenningsi*, *S. luggeri*, *S. fibrinflatum*, *S. anchistinum*, *S. nyssa*, *S. confusum*, and *S. podostemi* (Moulton and Adler 1995; Adler et al. 2004). At the other extreme, *Simulium remissum* Moulton & Adler appears to be endemic to the upper New River in northeastern North Carolina and southern Virginia (JK Moulton, personal communication). *Simulium dixiense* and *S. krebsorum* are largely restricted to acidic tannin-strained streams of the Sandhills ecoregion of the southeastern US (Moulton & Adler 1995). *Simulium underhilli* and *S. snowi* were discovered during a survey of biting Diptera of the Tennessee Valley by Snow et al. (1958).

iv. SJG Species Group Biology

Simulium jenningsi-group species are multivoltine, producing two to four or more generations during the year (Adler et al. 2004). Depending on the species and location, immature stages can be found at different times during the year (Table 2). At northerly latitudes larvae, pupae, and adults are present from late spring through early autumn, while the last generation of eggs are in diapause until the following spring (Ross & Merritt 1987). In the Deep South of the United States, some species, for instance *S. dixiense*, *S. haysi*, and *S. lakei*, appear to undergo continuous development (Moulton & Adler 1995; Adler et al. 2004).

Table 2: List of typical habitat regions and times of the year species are present
(Moulton & Adler 1995)

Species	Typical Habitat Region	Bionomics
<i>S. anchistinum</i>	Piedmont region; swift, sand- and rock-bottomed rivers	Eggs overwinter; larvae present late March to mid-December
<i>S. aranti</i>	AL, GA, & SC; wide, flowing rivers with rock outcroppings	Larvae present between mid-March into early April to early November
<i>S. chlorum</i>	Small, slow streams with stones in upstate SC	Eggs overwinter; larvae present from late March into early April to mid-November
<i>S. confusum</i>	Piedmont region to central states; sand-bottomed streams and rivers	Larvae & pupae present from late March to late November
<i>S. definitum</i>	PA to SC; streams of 1 st or 2 nd order	Eggs overwinter; immatures by mid-March/ into early April to early autumn

Table 2 (Cont.)

Species	Typical Habitat Region	Bionomics
<i>S. dixiense</i>	Coastal Plain (clear & blackwater streams) and Sandhills (SC to MS)	Eggs, larvae, and pupae overwinter, depends on latitude and spring-water influence
<i>S. fibrinflatum</i>	Ontario & ME down Appalachians & Piedmont to AL & GA	Larvae & pupae from May to October in NE and March to December in SE
<i>S. infenestrum</i>	Western NC and SC; moderately wide streams w/ rocky bottoms	Larvae & pupae from early May to mid November
<i>S. jenningsi</i>	Most of eastern N. America; streams and rivers 6 to >300m wide	Eggs overwinter; completes up to five generations annually
<i>S. jonesi</i>	Piedmont and Coastal Plain and Delaware to Texas	In South, larvae & pupae present from mid March to December
<i>S. krebsorum</i>	Sandhills and adjacent portion of the Coastal Plain of NC and SC	Eggs overwinter; Larvae & pupae mid March to November
<i>S. lakei</i>	Atlantic Coastal Plain from DE to FL	Eggs overwinter; In FL, Larvae & pupae present year long
<i>S. luggeri</i>	Northern, bounded by Sandhills and Coastal Plain, extends West	Eggs overwinter; up to 5 generations in Canada
<i>S. notiale</i>	Widespread east of Appalachians	Larvae present in SE from March to November
<i>S. nyssa</i>	Shallow rapids of streams/rivers from ME to AL and AR	Eggs overwinters; 3 generations in ME and 4-5 in AL
<i>S. ozarkense</i>	Ozark Mountains and Plateau, Bluegrass region of KY, & e. TX	Eggs overwinter
<i>S. remissum</i>	Only known from upper New River in w. NC and VA	Eggs overwinter
<i>S. snowi</i>	Only known from 4 counties in AL; clear, rocky, inland streams	Larvae & pupae present from early April to early November

Table 2 (Cont.)

Species	Typical Habitat Region	Bionomics
<i>S. taxodium</i>	Apalachicola region sw GA, e. FL panhandle, and central NC & SC	Larvae present March to November; might be continuous in FL

v. Medical and Veterinary Importance

Adults of *S. jenningsi* species group members are known to feed on mammals, and occasionally on birds, or are presumed to be mammalophilic. Males and females have similar mouthparts but different food sources. Female mouthparts are adapted for puncturing and blood feeding. Most, if not all, members of the species group are anautogenous, meaning they must take blood meals to mature the eggs (Adler & McCreadie 2002). Males feed on nectar and do not take any blood meals. Potential host choices for adult females include humans, horses, livestock, turkeys, and some game animals such as elk. Not all species share the same host. The severity of adult swarming around or biting their hosts can mark certain species as economic pests. Some of these pests may even be considered as medically important.

Several SJG species have been identified as human pests (Adler et al. 2004), of which the most important are *S. jenningsi* and *S. penobscotense*. Besides the noticeable economic losses attributed to black flies, there are economical returns in the areas of management, protection, medical, and veterinary industries (Adler et al. 2004). In Pennsylvania, a black fly suppression program has been organized to selectively target four target pest species in the SJG (PDEP 2012). These particular species are the most common black fly pests reported in Pennsylvania. Sampling is conducted in areas where complaints have been made and identification of the pest is conducted before Bti treatments are applied. This program, however, is expensive. In 1993, approximately \$1.58 per person was spent to suppress *S. jenningsi* alone in an area with more than 2 million

people (Arbegast 1994). Currently, millions of dollars are still expended to treat thousands of river miles against the same species. Suppression of *S. jenningsi* in the greater Newport area in eastern Tennessee using Vectobac® has been ongoing since 2007.

Biting female flies can disrupt normal activities, which in turn has a negative impact on livestock and poultry production (Adler & Kim 1986). *Simulium jenningsi* and *S. luggeri* are two of the major species of the group that are regarded as pests in North America. In recent years, *S. luggeri* has started replacing another species, *S. arcticum*, in the Saskatchewan River (Fredeen 1987). Severe outbreaks have occurred and in one particular year, financial losses of beef and dairy producers were estimated at more than \$2.9 million (Fredeen 1985).

Simulium jenningsi can serve as a vector of *Onchocerca lienalis*, the causative agent of bovine onchocerciasis in cattle. The economic impact of bovine onchocerciasis, however, has yet to be fully determined (Adler et al. 2004). Species that feed on turkeys are potential vectors for *Leucocytozoon smithi*, a malaria-like affliction of birds (Adler et al. 2004). Compared to bovine onchocerciasis, leucocytozoon diseases at least once had a high economic impact. In the United States from 1942 to 1951, mortality of domestic turkeys infected with *L. smithi* resulted in an annual loss of \$708,000 (Agricultural Research Service 1954). The current severity of the disease is unknown. The adult female flies can pose a direct risk in that they are small enough to be inhaled easily by livestock, which can lead to asphyxiation by blockage of respiratory passages (Tucker 1918) or to infections resulting from the inhalation (Atwood 1996).

vi. Difficulties with Taxonomy

Not all members in the *S. jenningsi* species group are known to be pest species. The considerable difficulties in determining species identities are due to the structural homogeneity of

the group, particularly females (Moulton 2000). Some characteristics that can be used to distinguish SJG females from other simuliids, are the bare central surface on the wing subcosta, simple tarsal claws, and hypogynial valves with an anterior, setose, weakly sclerotized and a posterior, non-setose, well-sclerotized portions (Moulton & Adler 1995). The pupa, with its multiply branched respiratory gill, is the most easily diagnosable stage in the group. Other useful features of the pupae are the presence of an anterolateral aperture in the cocoon (most species); number and branching pattern of gill filaments and their lengths relative to the pupal body; and shape of the cocoon (Moulton & Adler 1995). Males of some species, most notably *S. aranti*, *S. podostemi*, and *S. krebsorum*, can also be distinguished, although in many cases only with great difficulty. Males, however, are rarely observed in nature so they are not as useful in identification. Larval morphology, especially for those with fully formed gills, coupled with habitat type and geographical location, can be used to identify some species, but often several similar species co-inhabit streams, particularly in the southeastern U.S. Moulton and Adler (1995) used a combination of characters, such as body color, size and shape of the postgenal cleft, headspot pattern, and presence and relative size of ventral abdominal tubercles to separate several species. The only truly distinctive females are those of *Simulium aranti*, with yellow stem vein setae and striped scutum.

Historically, the only way to identify adults in the group was through rearing so that the adults could be directly associated with the more diagnostic pupal stage (Stone & Snoddy 1969), even though not all species can be reliably separated with this method. Traditional taxonomic approaches to species separation generally are inadequate due to the lack of reliable and available characters. One powerful means of differentiating SJG taxa is through the use of polytene chromosome analysis of larval salivary gland tissue (P.H. Adler, personal communication).

Obtaining usable polytene chromosomes from female Malpighian tubule or ovarian tissue is exceedingly difficult, however, even under ideal conditions, and therefore is not readily used to identify pest females. SJG females whose immature stages developed quickly in warm waters are likely not possible to diagnose using this method due to insufficient polytenation of chromosomes in suitable tissues. Molecular diagnosis, through DNA fingerprinting and phylogenetics, may be the only approach with enough sensitivity to successfully distinguish females of SJG species, since it is not as limited by specimen condition and preservation method as are other approaches.

vii. Phylogenetic Analysis

Molecular systematics utilizes both taxonomy and phylogenetics to account for organism diversity and evolutionary relationships. DNA barcoding was designed to assist taxonomists with identifying species and to “make the Linnaean taxonomic system more accessible” (Hebert & Gregory 2005). Analysis of species DNA serves as the most direct means of studying genetic variation (Townson et al. 1987). Polymerase chain reactions (PCR) are used in a variety of ways for taxonomic or ecological studies by amplifying, or copying, small amounts of DNA (Hoy 2002). By use of PCR, insect DNA can be sequenced to determine genetic variation between species. Phylogenetically analyzing DNA sequences acquired from all members of the *Simulium jenningsi* species group with construct trees can be used to evaluate inter- and intraspecific variation. In a previous study, Alexander (2007) sequenced a portion of the mitochondrial genome (ND2+CoxI) and a nuclear gene (big zinc finger) from all group members and generated phylogenetic trees for the group. Independent and combined analyses were conducted. The resulting trees were able to recover roughly one-half of the members of the group, with the

nuclear gene outperforming the mitochondrial gene. Additional molecular work was suggested to create a working model for phylogenetic analysis of species.

The purpose of this study was to construct a molecular phylogenetic-based predictive tool (data matrix) with which to identify *S. jenningsi* species group members. This matrix was obtained by sequencing DNA from the nuclear coding gene *speckle*. In order to increase the reliability of the diagnosis, individual, readily identifiable specimens (usually pupae, sometimes larvae) of each species were taken from as many disparate locations within their respective ranges as possible. Once a reliable method is established, field-collected unknown samples (primarily females) can be incorporated into the data matrix to see where they place among the species clades in the phylogeny. At the completion of this research, the data from the nuclear gene *speckle* will be combined with previous molecular data to achieve an even more rigorous diagnostic for identifying females of pest species or other unknown specimens, such as immature larvae.

Materials and Methods

Of the 22 species of the *Simulium jenningsi* species-group, all were collected by Dr. Kevin Moulton, Elizabeth Alexander, or by their colleagues at various locations throughout the eastern U.S. and preserved in 95% ethanol (Table 3). A total of 83 individuals from different locations were used in this study. A majority of the individuals sampled were pupae. Five species outside of the *S. jenningsi* species-group were included as outgroups. Based upon morphological characters, *S. verecundum* Stone and Jamnback and *S. tuberosum* (Lundström) served as distal outgroups and *S. apricarium* Adler, Currie, and Wood, *S. decimatum* Dorogostaisky Rubtsov & Vlasenko, and *S. reptans* L. served as proximal outgroups.

Table 3: Samples included and collection locality data.

Taxa ID	Species Name	Country	State	County	Stream/River
OUTGROUP					
tuberosum Nol A*	<i>S. tuberosum</i>	USA	TN	Greene	Nolichucky River
verecundum AA*	<i>S. verecundum</i>	USA	SC	Sumter	Scape Ore Creek
reptans UK*	<i>S. reptans</i>	UK	--	--	Unknown
apricarium	<i>S. apricarium</i>	USA	AZ	Apache	W F Little Colorado
decimatum	<i>S. decimatum</i>	CAN	INUV	N/A	Unknown
INGROUP					
anchistinum Hill	<i>S. anchistinum</i>	USA	AL	Tallapoosa	Hillabee Creek
anchistinum New R	<i>S. anchistinum</i>	USA	NC	Allegheny	New River
anchistinum Androsc	<i>S. anchistinum</i>	USA	ME	Sagadahoc	Androscoggin River
anchistinum ME	<i>S. anchistinum</i>	USA	ME	Somerset	Kennebec
anchistinum DE	<i>S. anchistinum</i>	USA	DE	Northhampton	Delaware River
aranti FS GA	<i>S. aranti</i>	USA	GA	Meriwether	Flint R. at Flat Shoals
aranti SC	<i>S. aranti</i>	USA	SC	Oconee	Little R (=Flat Shoal R)
aranti GA – pupa	<i>S. aranti</i>	USA	GA	Wilkes	Broad R. at Anthony Sh.
aranti Hill	<i>S. aranti</i>	USA	AL	Tallapoosa	Hillabee Creek
chlorum GC1	<i>S. chlorum</i>	USA	SC	Abbeville	Gill Creek
chlorum GC3	<i>S. chlorum</i>	USA	SC	Abbeville	Gill Creek
chlorum GC4	<i>S. chlorum</i>	USA	SC	Abbeville	Gill Creek
chlorum PA1	<i>S. chlorum</i>	USA	PA	Dauphin	Clarkis Creek
confusum GC Dark	<i>S. confusum</i>	USA	SC	Abbeville	Gill Creek
confusum LR	<i>S. confusum</i>	USA	TN	Blount	Little River
confusum TX	<i>S. confusum</i>	USA	TX	Liberty	San Jacinto River
confusum GA	<i>S. confusum</i>	USA	GA	Bibb	Echeconnee Creek
confusum Sabine	<i>S. confusum</i>	USA	TX	Penola	Sabine River
dixiense CWC FL	<i>S. dixiense</i>	USA	FL	Santa Rosa	Coldwater Creek
dixiense GA	<i>S. dixiense</i>	USA	GA	Taylor	Little Whitewater Cr.
dixiense HMP SC	<i>S. dixiense</i>	USA	SC	Chesterfield	Little Black Creek
dixiense Quewhiffle	<i>S. dixiense</i>	USA	NC	Hoke	Quewhiffle Creek
fibrinflatum Androsc	<i>S. fibrinflatum</i>	USA	ME	Sagadahoc	Androscoggin River
fibrinflatum PA	<i>S. fibrinflatum</i>	USA	PA	Bucks	Delaware River
fibrinflatum GA	<i>S. fibrinflatum</i>	USA	GA	Meriwether	Flint R. at Flat Shoals
fibrin/under Fish	<i>S. fibrinflatum?</i>	USA	GA	Meriwether	Flint R. at Flat Shoals
haysi TX	<i>S. haysi</i>	USA	TX	Liberty	San Jacinto River
haysi AL	<i>S. haysi</i>	USA	AL	Conecuh	Burnt Corn Creek
infenestrum L	<i>S. infenestrum</i>	USA	SC	Pickens	Rocky Bottom Creek
infenestrum NC #2	<i>S. infenestrum</i>	USA	NC	Wilkes	Reddies River
jenningsi Eno R	<i>S. jenningsi</i>	USA	NC	Durham	Eno River
jenningsi Brandywine	<i>S. jenningsi</i>	USA	PA	Delaware	Brandywine River
jenningsi GA	<i>S. jenningsi</i>	USA	GA	Wilks	Broad R. at Anthony Sh.
jenningsi Flat Crk	<i>S. jenningsi</i>	USA	SC	Oconee	Flat Creek
jenningsi Ill R, AR	<i>S. jenningsi</i>	USA	OK	Adair	Illinois River
jenningsi Pigeon R	<i>S. jenningsi</i>	USA	TN	Cocke	Pigeon River
jonesi BWC	<i>S. jonesi</i>	USA	FL	Santa Rosa	Coldwater Creek
jonesi Cognac	<i>S. jonesi</i>	USA	NC	Richmond	Cognac Creek

Table 3 (Cont.)

Taxa ID	Species Name	Country	State	County	Stream/River
jonesi CWC	<i>S. jonesi</i>	USA	FL	Santa Rosa	Coldwater Creek
jonesi Taylor Co	<i>S. jonesi</i>	USA	GA	Taylor	Whitewater Creek
krebsorum NC	<i>S. krebsorum</i>	USA	NC	Richmond	Mill Creek
krebsorum SC	<i>S. krebsorum</i>	USA	SC	Richland	Cedar Creek
lakei PA1	<i>S. lakei</i>	USA	PA	Luzerne	Nescopeck Creek
lakei SC	<i>S. lakei</i>	USA	SC	Williamsburg	Black River
lakei FL [larva]	<i>S. lakei</i>	USA	FL	Jackson	Chipola River
lakei (Taunt. 8-fil)	<i>S. lakei</i>	USA	MA	Bristol	Taunton River
lakei (Taunt. 9-fil)	<i>S. lakei</i>	USA	MA	Bristol	Taunton River
luggeri NWT	<i>S. luggeri</i>	CAN	NWT	N/A	Unknown
luggeri Haw R	<i>S. luggeri</i>	USA	NC	Chatham	Haw River
luggeri Flat R, NE	<i>S. luggeri</i>	USA	NE	???	Flat River
luggeri KY Green R	<i>S. luggeri</i>	USA	KY	Green	Green River
notiale RB SC	<i>S. notiale</i>	USA	SC	Pickens	Rocky Bottom Creek
notiale TN	<i>S. notiale</i>	USA	TN	Shelby	Clear Creek
notiale BWC 6+6	<i>S. notiale</i>	USA	AL	Lauderdale	Bluewater Creek
notiale BWC 5+6	<i>S. notiale</i>	USA	AL	Lauderdale	Bluewater Creek
notiale Rivanna R	<i>S. notiale</i>	USA	VA	Albermarle	Rivanna River
nyssa BWC	<i>S. nyssa</i>	USA	AL	Lauderdale	Bluewater Creek
nyssa Tar R	<i>S. nyssa</i>	USA	NC	Nash	Tar River
nyssa Androsc	<i>S. nyssa</i>	USA	ME	Sagadahoc	Androscoggin River
nyssa Rivanna R	<i>S. nyssa</i>	USA	VA	Albermarle	Rivanna River
nyssa Piscat	<i>S. nyssa</i>	USA	ME	Penobscot	Piscataquis River
ozarkense MO1	<i>S. ozarkense</i>	USA	MO	Wright	Gasconade River
ozarkense MO2	<i>S. ozarkense</i>	USA	MO	Wright	Gasconade River
penobscotense 2	<i>S. penobscotense</i>	USA	ME	Penobscot	Piscataquis River
podostemi MS	<i>S. podostemi</i>	USA	MS	Tishomingo	Bear Creek
podostemi AS	<i>S. podostemi</i>	USA	GA	Wilkes	Broad R. at Anthony Sh.
podostemi Chick GA	<i>S. podostemi</i>	USA	GA	Baker	Chickasawatchi River
podostemi Tar R	<i>S. podostemi</i>	USA	NC	Nash	Tar River
remisum 1	<i>S. remisum</i>	USA	NC	Allegheny	S. Fork of New River
remisum 2	<i>S. remisum</i>	USA	NC	Allegheny	S. Fork of New River
remisum 3 NC	<i>S. remisum</i>	USA	NC	Allegheny	S. Fork of New River
snowi BWC 4+4	<i>S. snowi</i>	USA	AL	Lauderdale	Bluewater Creek
snowi BWC 4+6	<i>S. snowi</i>	USA	AL	Lauderdale	Bluewater Creek
snowi TN	<i>S. snowi</i>	USA	TN	Cumberland	W. Fork of Clear Crk
taxodium #2 GA	<i>S. taxodium</i>	USA	GA	Baker	Chickasawatchie Cr.
taxodium FL [larva]	<i>S. taxodium</i>	USA	FL	Jackson	Chipola River
underhilli GA	<i>S. underhilli</i>	USA	GA	Meriwether	Flint R. at Flat Shoals
underhilli Hillabee	<i>Not numbered</i>	USA	AL	Tallapoosa	Hillabee Creek

Samples were dried to remove residual ethanol prior to being added to a new vial containing 700uL of lysis buffer (Moulton & Wiegmann 2004). The specimen was then macerated with a pestle before 8uL of 10% proteinase K was added. The mixture was vortexed briefly and held in a heat block at 55°C for 24 hours. The homogenate was spun down and 650uL of a phenol/chloroform/isoamyl mixture was added. The contents of the vial were mixed thoroughly and then centrifuged at 13,000 x g for seven minutes. The top layer was pipetted into a new 1.5-mL microvial to which 650uL of a chloroform: isoamyl alcohol mixture (24:1) was added. The top layer was again removed after mixing and spinning the vial at 13,000 x g for an additional seven minutes. The top layer was again decanted into a new 1.5-ml microvial to which 100uL of sodium acetate (3M) and 840uL pure isopropyl were added. This vial was flicked and centrifuged at 15,000 x g for seven minutes. Excess liquid was decanted carefully avoid dislodging the DNA salt pellet. One milliliter of 70% ethanol was added to the pellet and allowed to stand for five to ten minutes. The liquid was then poured off and any remaining moisture was removed using a centrivap® (Labconco). After drying, 80uL of 0.1M TE was added.

DNA was amplified with polymerase chain reactions (PCR). Combinations of primers used during this study are listed in Table 4. The TaKaRa ExTaq™ Hot Start manufacturer's procedures were modified slightly for this project.

An Eppendorf MasterCycler thermal cycler was used to amplify the DNA. The parameters for the thermal cycler were as follows: 30 minute preheat at 94°C; 4 cycles of 95°C for 15 s, 57°C for 25 s, and 72°C for 1 min and 45 s; 14 cycles of 95°C for 15 s, 53°C for 20 s, and 72°C for 1 min and 45 s; 34 cycles of 95°C for 15 s, 47°C for 15 s, and 72°C for 1 min and 45 s, and a final cycle of 72°C for 7 min. Once the PCR completed, the products were

Table 4: Primers used in this study. Those in bold were the most reliable.

Name	Fwd/Rev	Sequence (5' → 3')*	Length (-mer)
PCR P1 171F	F	GTNGGNTGGGGNAARAARGARAC	23
PCR P1 173F	F	GGNAARAARGARACNCARTTYCAYGG	26
PCR P1 Rev	R	ATGCAAGCMAAYAAYAACGYTG	22
PCR P1 Rev2	R	GCAATGCAAGCHAAAYAAYAACG	22
PCR P1 Rev3	R	GAYATTTGTGAYAARATWGAARTCG	23
PCR P1R4	R	TGAAATATCGYGGYAATTTTRTATTG	25
PCR P1R5	R	AARAAAATRGCMTCRGATGTKAC	23
PCR P2 Fwd	F	GTTTRCAAGAGAAGAACCT	19
PCR P2 Fwd New	F	CGTYCMAAGATTAACCARTGYAT	23
PCR P2 Fwd2	F	GAACCACAATWCACGATWAAYGA	23
PCR P2F4	F	TCGCMTTRGATGCTGTGAC	19
PCR P2F Novo	F	GAACCACAATTCACGATYAAYGA	23
PCR P2 958R	R	GGNARRTAYTCYTTNGGRTCYYTTYTG	26
PCR P2 959R	R	AANGGNAGRTAYTCYTTNGGRTCYYT	26
PCR P2R Novo	R	GAYTTYGGMTTRGTNTTGTTTGT	23
SEQ P1 3iSP	R	ATWTGTGAACCACAATWCACG	21
SEQ P1 5iSP	F	GGCAACAAATACARGATCAC	20
SEQ P2 5iSP	F	AAAGYCGRCGAATGGAGCG	19
SEQ P2 3iSP	R	GATCTGATGCGNAAGCARCG	20
SEQ P1 3iSP New	R	GAYGCGYGTGACTRRHGTCTGT	20
SEQ P1 5iSP New	F	CAYTATCAYTGGTAYTTTRAARCARTA	27
SEQ P2 3iSP New	R	GAYCAYGAYCCAAAKACRTWTT	22
SEQ P2 5iSP New	F	CCRAARAGTTCAAARTGTRTTTTYCA	26

* W=A/T; Y=C/T; R=A/G; M=A/C; K=G/T; H=A/T/C; N=A/T/C/G

electrophoresed in a 1% agarose gel. Bands were viewed under UV light and were excised. A

QiaQuick® Gel Extraction kit (Qiagen) was used to purify the bands. After purification, the

products were prepared for sequencing to get both pieces of the products' DNA strand. Applied Biosystem's Big Dye Terminator Cycle Sequencing kit was used once the purified bands were quantified. Reactions were cleaned using Centri-sep columns (Princeton Separations) and dried down by use of a CentriVap Concentrator (Labconco). The purified sequence reactions were electrophoresed again with a MJ Research BaseStation Automated DNA Sequencer (Bio-Rad). Analysis of the final sequence from the BaseStation was performed with the Cartographer v1.2.7 software. Sequencer v4.2.2 software (Gene Codes) was used to pair forward and reverse strands for each species. From Sequencer, the aligned sequences will be exported into NEXUS-formatted files. MacClade v4.8 was used to align nucleotides and amino acids.

For phylogenetic analysis, maximum parsimony (MP) and Bayesian analysis were performed with PAUP v4.0b10 and MrBayes v3.1. FigTree v1.3.1 was used to generate the phylogenetic tree of the species-group and to evaluate node support. Canvas 8 v8.0.5 was used to change weights of tree branches, as well as indicate monophyletic species by coloring the corresponding branches.

Results and Discussion

A total of 85 taxa were sampled and sequenced. Approximately 2,000 nucleotides were sequenced from each exemplar, resulting in 170,000 total nucleotides acquired. A total of 13 monophyletic species and two monophyletic species subgroups were recovered after phylogenetic analyses with both maximum parsimony and Bayesian analysis. The Bayesian likelihood tree is depicted as Figure 2. Parsimony analysis resulted in 3248 parsimonious trees of 2900 steps (CI=0.443; RI=0.700; RC=0.311). A majority rule consensus tree is depicted in Figure 3. Overall, node support was greater in the Bayesian than parsimony tree.

Monophyletic groups recovered from both the Bayesian and the maximum parsimony trees were: *S. dixiense*, *S. haysi*, *S. ozarkense*, *S. luggeri*, *S. krebsorum*, *S. aranti*, *S. definitum*, *S. jenningsi*, *S. podostemi*, *S. remissum*, *S. infenestrum*, and *S. anchistinum*. Several interspecies relationships remain to be resolved. Two species complexes were recovered in both trees: *S. taxodium* and *S. fibrinflatum*. Two species, *S. penobscotense* and *S. nyssa*, were nearly monophyletic (paraphyletic), with a specimen from one locality grouping with the sister species of each, *S. infenestrum* and *S. anchistinum*, respectively.

The basal-most (i.e., sister group to remaining SJG species) taxa recovered were *S. dixiense*, *S. aranti* and *S. luggeri* for the Bayesian tree and *S. dixiense*, *S. haysi*, *S. ozarkense*, *S. luggeri* and *S. krebsorum* for the parsimony trees. The parsimony tree presented is a majority rule consensus of several trees in which relationships among these species resulted in an unresolved polytomy. Based upon presence of sexual dimorphism of larvae, presence of large larval ventral tubercles, pupal gill greater than two-thirds of the length of the body, shape of the male ventral plate, and swamp stream habitat, the presence of *S. haysi* as one of the most basal lineages in the group is likely an artifact, possibly resulting from long-branch attraction. When the analysis is constrained to force the species with large ventral tubercles to be monophyletic (data not shown), *S. haysi* pairs with *S. krebsorum* and forms the sister group to the remaining species sharing this character state, as seen as *S. definitum* + *S. jonesi* as the sister group to the *S. taxodium* subgroup. Potential support for a *S. haysi* and *S. krebsorum* pairing is the fact that they are the only species in the SJG possessing a 7-filamented gill (Moulton & Adler 1992).

The *S. taxodium* species complex clade includes *S. taxodium*, *S. confusum*, *S. lakei*, and *S. chlorum*. Species in this complex share a similar range through the South Eastern portion of the United States and typically occur in medium to large sandy-bottomed streams and rivers. These

species are also very similar morphologically and are only reliably separated with polytene chromosome analysis. The *S. fibrinflatum* species complex includes *S. fibrinflatum*, *S. underhilli*, *S. notiale*, and *S. snowi*. Two of these species, *S. fibrinflatum* and *S. underhilli*, are currently considered identical and their separation is based entirely on subtle and variable differences in the pupal gill. Currently *S. notiale* and *S. snowi*, are recognized as separate species, but during the course of this and a prior study (Alexander 2007) it was shown that both species can be collected in the same habitat and putative hybrids may exist (pupae with 4 gill filaments on one side and 6 on the other, others with 4+5 and 5+6). Interestingly, none of the species in this subgroup/complex are currently distinguishable using polytene chromosomes.

Lack of resolution in the *taxodium* and *fibrinflatum* subgroups could indicate several different phenomena. For the former, since each has a distinctive karyotype, it is likely that the progenitor of the group was extremely polymorphic or that interbreeding occurred before species trajectories were fully separated. For instance, a form of *S. confusum* from the Gulf Coastal region has a pupal gill much like *S. jonesi*, so much so that it was misidentified as *S. jonesi* by Alexander and Moulton (unpublished).

When considering morphology as a potential means of identifying the members of the two recovered species complexes, some differences have been described. In the *S. taxodium* species complex, larvae are sexually dimorphic. It was hypothesized by Moulton and Adler (1995) that *S. confusum* was a species complex, based largely on the aforementioned form that resembles *S. jonesi*. However, *S. confusum* pupae are similar to *S. definitum*, a basal species, but can be distinguished by having fewer and more distributed granules on the cephalic plate and by the former not being restricted to a 9-filamented gill. *Simulium taxodium*, *S. chlorum*, and *S. lakei* can easily be confused with *S. confusum*. Larvae of *S. chlorum* are much paler than those of the other

two species, while pupae of these species are less reliably separated. At the population level, *S. taxodium* is most likely to possess 8-filamented gills, those of *S. lakei* 9 filaments, and those of *S. confusum* 10 filaments (Moulton & Adler 1995). *Simulium taxodium* is unique within this clade in that it possesses a strong burgundy-banded color morph that is otherwise only observed in larvae of *S. jonesi* and *S. haysi*.

Unlike the *S. taxodium* species complex, members of the *S. fibrinflatum* species complex do not have sexually dimorphic larvae and lack differences in polytene chromosome banding patterns. It is possible that only one extremely polymorphic species is present here, but a more parsimonious resolution would be recognition of two species: *S. fibrinflatum* (= *S. underhilli*) and *S. snowi* (= *S. notiale*). The sole morphological difference between these proposed species would be petiolate filaments versus sessile middle or bottom groups of filaments, depending upon whether filaments are arranged as 2 or 3 pairs of filaments.

Two species, *S. nyssa* and *S. penobscotense*, were observed to be paraphyletic, meaning that one or more of the individuals sampled grouped elsewhere (only one node removed), rather than with their putative conspecifics. The *S. nyssa* exemplar from Maine was recovered as the sister to a clade comprised of *S. anchistinum* plus the otherwise monophyletic *S. nyssa*.

The other instance of paraphyly involved the very morphological similar pairing of *S. infenestrum* and *S. penobscotense*, wherein one exemplar of the later was rendered paraphyletic as it grouped with *S. infenestrum*. There is little doubt from morphological examination that these two pairs of species are sister species. The only means of separating *S. nyssa* and *S. anchistinum*, other than polytene chromosomes, is pupal granule distribution (Moulton & Adler 1995). The only means of separating *S. infenestrum* and *S. penobscotense* is size (*S. infenestrum* is the

smallest Nearctic simuliid) and geographical location (South Eastern U.S. versus North Eastern U.S., respectively).

Comparison of phylogenetic inferences from *speckle* and those from big zinc finger (BZF) used by Alexander (2007), showed that the resulting phylogenetic trees shared some similarities but also displayed some differences in topography. Between the two genes, there were 10 shared monophyletic species: *S. aranti*, *S. luggeri*, *S. infenestrum*, *S. jenningsi*, *S. remissum*, *S. krebsorum*, *S. haysi*, *S. ozarkense*, *S. dixiense*, *S. jonesi* and *S. definitum*. *Speckle* was able to recover 13 monophyletic morphospecies, compared to 12 for BZF. One monophyletic species exclusive to BZF was *S. penobscotense*, but this could be the result of reduced taxon sampling. A misidentification of one specimen of *S. confusum*, identified as *S. jonesi* from Texas, kept *S. jonesi* from being recognized as monophyletic by Alexander (2007). The specimen, a pupa, was later discovered to actually belong to a well-known deep southern form of *S. confusum*. Three species (*S. nyssa*, *S. podostemi* and *S. anchistinum*) each were nearly monophyletic with one specimen from a single locality of each grouping with its sister species. *Simulium nyssa* and *S. anchistinum* were sister species to each other while *S. podostemi* paired with *S. infenestrum*.

Both nuclear genes shared *S. aranti* and *S. luggeri* as basal to outgroup species; however, *speckle* supported other basal species. In the Bayesian analysis, *S. dixiense* was an additional basal group, and for parsimony analyses additional basal groups were *S. haysi*, *S. ozarkense*, and *S. krebsorum*.

In summary, both nuclear genes studied, *speckle* and BZF, outperformed the mitochondrial data (combined *coxI* and *coxII*) analyzed by Alexander (2007). In turn, *speckle* slightly outperformed BZF. Between these nuclear genes, 14 morphospecies and two groups of cryptic species can be identified with high levels of accuracy. With the addition of geographic

source of specimens, one can infer with good confidence which member of the *S. taxodium* group species one has in possession. With the exception of the *S. fibrinflatum* complex members one can identify nearly all SJG members using *speckle* sequences as a diagnostic tool. The benefits for pest identification and control using this method are obvious. Since SJG species have known habitat preferences, judicious use of Bti only in streams suitable for the identified pest species will result in efficacious control at lowest possible cost. At the basic science level, this tool can be used to study host preference of females and preferred oviposition method.

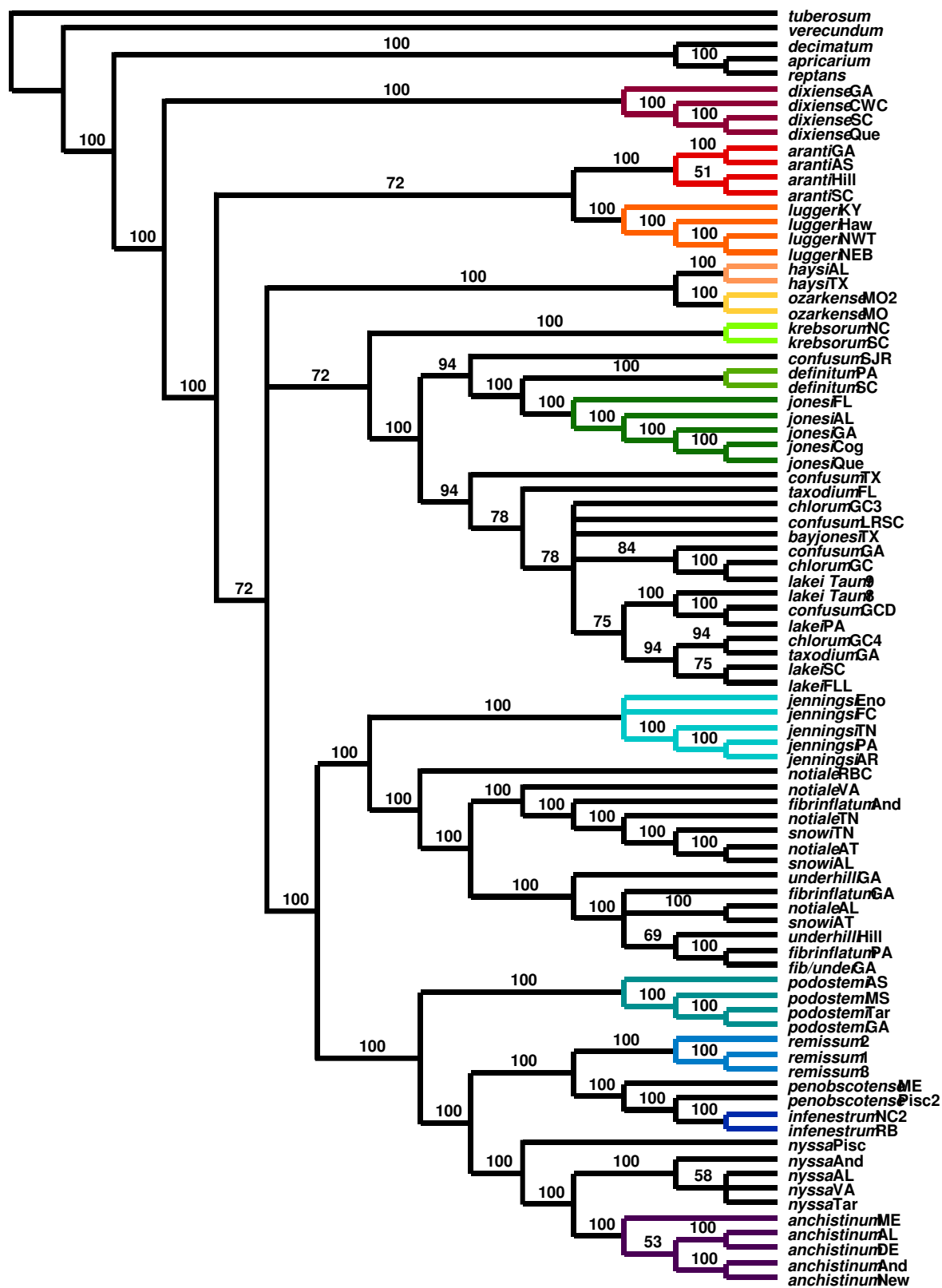


Figure 2: Maximum Likelihood (Bayesian) Tree. Posterior probabilities are node support statistic. Values $\geq 95\%$ are significant

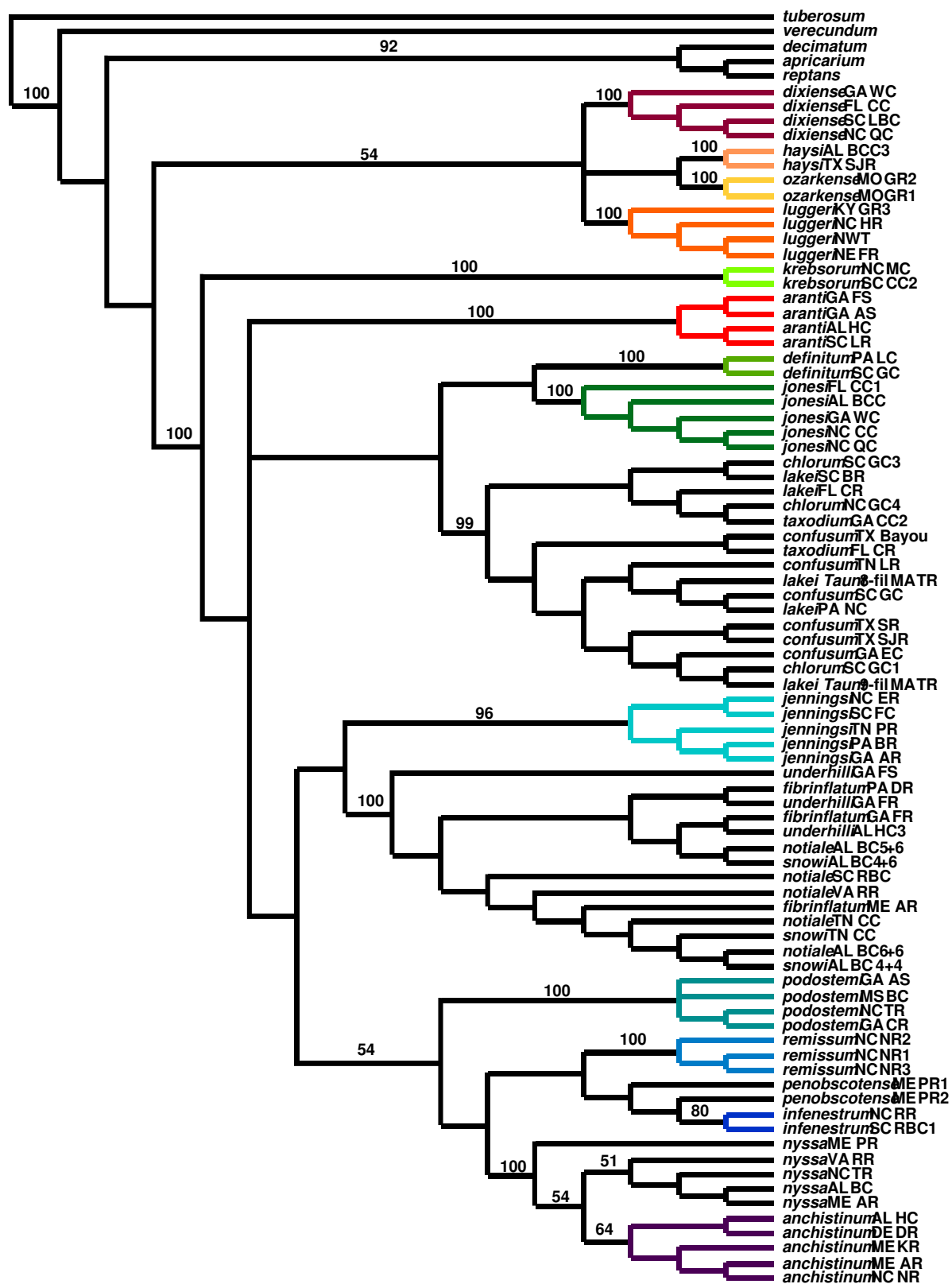


Figure 3. Majority Rule Consensus of 3248 Most Parsimonious trees (2900 steps). Nonparametric bootstrap scores are node support statistic. Values $\geq 70\%$ are considered significant.

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APPENDIX

Appendix 1. Data matrix of speckle sequences generated during this study.

Taxa	Sequence	Base #
tuberosum	AAAGAAGAAATACAAGTAGTTGAAAACATGGAGACGGTGGACAAGACTTG	[50]
verecundum	-----	[0]
decimatum	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAGACGGTGGACAAGACCTG	[50]
apricarium	AAGGAAGAAATTCAGGTAGTTGAAGCTATGGAGACGGTGGACAAGACCTG	[50]
reptans	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAGACGGTGGACAAGACCTG	[50]
anchist_AL_HC	AAAGAAGAAATTCAGGTAGTTGAAGATATKGACAAGGTGGACAAGACCTG	[50]
anchist_DE_DR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
anchist_ME_AR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
anchist_NC_NR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
anchist_ME_KR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
aranti_GA_FS	AAGGAAGAAATTCAGGTAGTTGARGATATGGAAAGGATGGACAAGACCTG	[50]
aranti_GA_AS	AAGGAAGAAATTCAGGTAGTTGARGATATGGAAAGGATGGACAAGACCTG	[50]
aranti_AL_HC	AAGGAAGAAATTCAGGTAGTTGARGATATGGAAAGGATGGACAAGACCTG	[50]
aranti_SC_LR	AAGGAAGAAATTCAGGTAGTTGARGATATGGAAAGGATGGACAAGACCTG	[50]
chlorum_NC_GC3	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAAAAGGTGGACAAGACCTG	[50]
chlorum_NC_GC1	AAAGAAGAAATTCAGGTAGTTGAAGATATGGAAACGTTGGACAAGACCTG	[50]
chlorum_NC_GC4	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGRACAAGACYTG	[50]
confusum_TN_LR	AAGGAAGAAATTCAGGCAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
confusum_GA_GC	AAGGAAGAAATTCAGGCAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
confusum_GA_EC	AAGGAAGAAATTCAGGTAGTYGAAGATATGGAAAAGGTGGACAAGACCTG	[50]
confusum_TX_SJR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
confusum_TX_SR	AACGAAGAAATTCAGGTAATTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
confusum_TX_Bayou	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAACGTGGACAAGACCTG	[50]
definitum_PA_LC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACTTG	[50]
definitum_SC_GC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACTTG	[50]
dixiense_GA_WC	AAAGAAGAAATTCAGGTATTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
dixiense_SC_LBC	AAAGAAGAAATTCAGGTCATTGAAGATATGGAAACMGTTGGACAAGACCTG	[50]
dixiense_NC_QC	AAAGAAGAAATTCAGGTCATTGAAGATATGGAAACAGTGGACAAGACCTG	[50]
dixiense_FL_CC	AAAGAAGAAATTCAGGTCATTGAAGATATGGAAACAGTGGACAAGACCTG	[50]
fibrinflatum_PA_DR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
fibrinflatum_ME_AR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
fibrinflatum_GA_FR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
haysi_AL_BCC3	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
haysi_TX_SJR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
infenestrum_NC_RR	AAGGAAGAAATTCAGGTACTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
infenestrum_SC_RBC	AAGGAAGAAATTCAGGTACTTGAAGATATGGACAAGGCGGACAAGACCTG	[50]
jenningsi_TN_PR	AAGGAAGAAATTCAGGTAGTTGAAGATCTGGACAAGGTGGACAAGACCTG	[50]
jenningsi_NC_ER	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACACCGTGGACAAGACTTG	[50]
jenningsi_SC_FC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACACCGTGGACAAGACCTG	[50]
jenningsi_PA_BR	AAGGATGAATTCAGGTAGTTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
jenningsi_GA_AR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
jonesi_FL_CC1	AACGAAGAAATTCAGGCAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
jonesi_AL_BCC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
jonesi_NC_CC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
jonesi_NC_QC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
jonesi_GA_WC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
krebsorum_NC_MC	AAGGAAGAAATTCAGGCAGTTGAAGATATGGAAACGCTGGACAAGACCTG	[50]
krebsorum_SC_CC2	AAGGAAGAAATTCAGGCAGTTGAAGATATGGAAACGCTGGACAAGACCTG	[50]
lakei_PA_NC	AAGGAAGAAATTCAGGCAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
lakei_SC_BR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACARGGTGGACAAGACTTG	[50]
lakei_FL_CR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACTTG	[50]
lakei-Taunt_8_MA_TR	AAGGAAGAAATTCAGGCAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
lakei-Taunt_9_MA_TR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
luggeri_NWT	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
luggeri_NE_FR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAAACCGTGGACAAGACCTG	[50]
luggeri_NC_HR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAAATCGTGGACAAGACCTG	[50]
luggeri_KY_GR3	AAGGAAGAAATTCAGGTAGTTGAAGATATGGAAATCGTGGACAAGACCTG	[50]
'notiale AL BC5+6'	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
notiale_VA_RR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
notiale_TN_CC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
notiale_SC_RBC	AAAGAAGAAATTCARGTAGTTGAAGATATGGACAAGGTGGACAAGATCTG	[50]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
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'notiale AL BC6+6'	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
nyssa_AL_BC	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
nyssa_ME_AR	AAAGAAGAAATTCAGGTACTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
nyssa_VA_RR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAAGTGGACAAGACCTG	[50]
nyssa_ME_PR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
nyssa_NC_TR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
ozarkense_MO_GR2	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
ozarkense_MO_GR1	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACACCGTGGACAAGACCTG	[50]
penobsco_ME_PR1	AAGGAAGAAATTCAGGTACTTGAGGATATGGACAAGGTGGACAAGACCTG	[50]
penobsco_ME_PR2	AAGGAAGAAATTCAGGTACTTGAGGATATGGACAAGGTGGACAAGACCTG	[50]
podostemi_NC_TR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
podostemi_GA_AS	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
podostemi_MS_BC	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
podostemi_GA_CR	AAAGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
remissum_NC_NR2	AAGGAAGAAATTCAGGTACTTGAAGATATGGATAAGGTGGACAAGACCTG	[50]
remissum_NC_NR1	AAGGAAGAAATTCAGGTACTTGAAGATATGGATAAGGTGGACAAGACCTG	[50]
remissum_NC_NR3	AAGGAAGAAATTCAGGTACTTGAAGATATGGATAAGGTGGACAAGACCTG	[50]
'snowi AL BC 4+6'	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
snowi_TN_CC	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
'snowi AL BC 4+4'	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
taxodium_GA_CC2	AARGAAGAAATTCAGGCAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
taxodium_FL_CR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
underhilli_AL_HC3	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
underhilli_GA_FR	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]
underhilli_GA_FS	AAGGAAGAAATTCAGGTAGTTGAAGATATGGACAAGGTGGACAAGACCTG	[50]

tuberosum	TACAATCACTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTCC	[100]
verecundum	-----	[0]
decimatum	CTCAATAA CTTGGCGAGGCGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
apricarium	CTCAATAA CTTGGCGAGGCGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
reptans	CTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
anchist_AL_HC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCAGTCAGCTTTGTGC	[100]
anchist_DE_DR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCRTYAGCTTTGTGC	[100]
anchist_ME_AR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCAGTCAGCTTTGTGC	[100]
anchist_NC_NR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCAGTCAGCTTTGTGC	[100]
anchist_ME_KR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCAGTTAGCTTTGTGC	[100]
aranti_GA_FS	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
aranti_GA_AS	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
aranti_AL_HC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
aranti_SC_LR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
chlorum_NC_GC3	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
chlorum_NC_GC1	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
chlorum_NC_GC4	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
confusum_TN_LR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
confusum_GA_GC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
confusum_GA_EC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
confusum_TX_SJR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
confusum_TX_SR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
confusum_TX_Bayou	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
definitum_PA_LC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
definitum_SC_GC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
dixiense_GA_WC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
dixiense_SC_LBC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
dixiense_NC_QC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
dixiense_FL_CC	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
fibrinflatum_PA_DR	TTCCATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
fibrinflatum_ME_AR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
fibrinflatum_GA_FR	TTCCATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
haysi_AL_BCC3	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
haysi_TX_SJR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
infeenstrum_NC_RR	TTCCATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
infeenstrum_SC_RBC	TTCTATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]
jenningsi_TN_PR	TTCAATAA CTTGGCGAGGTGACGGTGAATATTTTGCGGTCAGCTTTGTGC	[100]

jenningsi_NC_ER	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
jenningsi_SC_FC	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
jenningsi_PA_BR	TTCAATAA	CTTGGCGTGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
jenningsi_GA_BR	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
jonesi_FL_CC1	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTAC	[100]
jonesi_AL_BCC	TTCAATAA	CATGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
jonesi_NC_CC	TTCAATAA	CATGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
jonesi_NC_QC	TTCAATAA	CATGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
jonesi_GA_WC	TTCAATAA	CATGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
krebsorum_NC_MC	CTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
krebsorum_SC_CC2	CTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
lakei_PA_NC	TTCAATWA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGTTTGTGC	[100]
lakei_SC_BR	TTCAATAA	CTTGGCGAGGTGACRGTTGAATACTTTGCGGTCAGTTTGTGC	[100]
lakei_FL_CR	YTCAATAA	CATGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
lakei-Taunt_8_MA_TR	TTCAATTAC	TTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
lakei-Taunt_9_MA_TR	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGTTTGTGC	[100]
luggeri_NWT	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
luggeri_NE_FR	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
luggeri_NC_HR	TTCAATAA	CTTGGCGAGGTGAMGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
luggeri_KY_GR3	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
'notiale AL BC5+6'	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
notiale_VA_BC	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
notiale_TN_CC	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
notiale_SC_RBC	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
'notiale AL BC6+6'	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
nyssa_AL_BC	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCAGTCAGCTTTGTGC	[100]
nyssa_ME_AR	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCAGTCAGCTTTGTGC	[100]
nyssa_VA_RR	TTCAATAA	CTTGGCGAGGTGATGGTGAATACTTTGCAGTCAGTTTGTGC	[100]
nyssa_ME_PR	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCRGTCAGCTTTGTGC	[100]
nyssa_NC_TR	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCAGTCAGCTTTGTGC	[100]
ozarkense_MO_GR2	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
ozarkense_MO_GR1	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCAGTCAGCTTTGTGC	[100]
penobsco_ME_PR1	TTCTATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
penobsco_ME_PR2	TTCTATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
podostemi_NC_TR	TTCCATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
podostemi_GA_AS	TTCCATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTAC	[100]
podostemi_MS_BC	TTCCATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTRC	[100]
podostemi_GA_CR	TTCCATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTRC	[100]
remisum_NC_NR2	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
remisum_NC_NR1	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
remisum_NC_NR3	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
'snowi AL BC 4+6'	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
snowi_TN_CC	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
'snowi AL BC 4+4'	TTCCATAA	CTTGGAGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
taxodium_GA_CC2	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGTTTGTGC	[100]
taxodium_FL_CR	YTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTGC	[100]
underhilli_AL_HC3	TTCAATAA	CTTGGCGAGGTGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
underhilli_GA_FR	TTCAATAA	CTTGGCGAGGCGACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]
underhilli_GA_FS	TTCMATAA	CTTGGCGAGGYACGGTGAATACTTTGCGGTCAGCTTTGTCC	[100]

tuberosum	AAAACAGCGAGCGAGGTGCGATGTTTAAAGTGTTCAACAAGGAAGGACAC	[150]
verecundum	-----	[0]
decimatum	AAAACAGCGAGCGGGGTGCGATGTTTAAAGTGTTCAACAAGGAAGGACAT	[150]
apricarium	AAAACAGCGAACGAGGCCGCGATGTTTAAAGTTTCAACAAGGAAGGACAT	[150]
reptans	AGACCAGCGAGCGTGGTTCGATGTTTAAAGTGTTCAACAAGGAAGGACAT	[150]
anchist_AL_HC	AAAACAACGAGCGTGGTTCGYATGTTTAAAGTGTTCAACAAGGAAGGGCAT	[150]
anchist_DE_DR	AAAACAACGAGCGTGGTTCGATGTTTAAAGTGTTCAACAAGGAAGGGCAT	[150]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
anchist_ME_AR	AAAACARCGAGCGTGGTTCGATGTTTAAAGTGTTCAACAAGGAAGGGCAT	[150]
anchist_NC_NR	AAAACAACGAGCGTGGTTCGATGTTTAAAGTGTTCAACAAGGAAGGGCAT	[150]
anchist_ME_KR	AAAACAACGAGCGTGGTTCGATGTTTAAAGTGTTCAACAAGGAAGGGCAT	[150]
aranti_GA_FS	AAAACAGCGARCGTGGTTCGATGTTTAAAGTGTTCAACAAGGAAGGGCAT	[150]
aranti_GA_AS	AAAACAGCGARCGTGGTTCGATGTTTAAAGTGTTCAACAAGGAAGGGCAT	[150]
aranti_AL_HC	AAAACAGCGARCGTGGYCGCATGTTTAAAGTGTTCAACAAGGAAGGGCAT	[150]

aranti_SC_LR	AAAACAGCGAACGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
chlorum_NC_GC3	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
chlorum_NC_GC1	AAAACAGCGAGCGCGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
chlorum_NC_GC4	AAAACAGCGAACGTGGCCGCATGTTTAAAGTSTTCAACAAGGAAGGGCAT	[150]
confusum_TN_LR	AAAACAGCGAGCGTGGSCGCATGTTTAAAGTSTTCAACAAGGAAGGGCAT	[150]
confusum_GA_GC	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
confusum_GA_EC	AAAACAGCGAGCGCGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
confusum_TX_SJR	AAAACAGCGAACGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
confusum_TX_SR	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
confusum_TX_Bayou	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
definitum_PA_LC	AAACYAGCGAGCGTGGCCGCATGTTTAAAGTATTCAACAAGGAAGGGCAT	[150]
definitum_SC_GC	AAACCAGCGAGCGTGGCCGCATGTTTAAAGTATTCAACAAGGAAGGGCAT	[150]
dixiense_GA_WC	AAACCAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
dixiense_SC_LBC	AAACCAGCSAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
dixiense_NC_QC	AAACCAGCCAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
dixiense_FL_CC	AAACCAGCCAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
fibrinflatum_PA_DR	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
fibrinflatum_ME_AR	AAACCAGCGAKCGCGGTTCGYATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
fibrinflatum_GA_FR	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
haysi_AL_BCC3	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
haysi_TX_SJR	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
infenestrum_NC_RR	AAAMCAGCGARCGCGGYCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
infenestrum_SC_RBC	AAAACAGCGARCGCGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
jenningsi_TN_PR	AAACCAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
jenningsi_NC_ER	AAACCAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
jenningsi_SC_FC	GAACCAGAGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
jenningsi_PA_BR	AAAACAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
jenningsi_GA_AR	AAACCAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
jonesi_FL_CC1	AAAATAGTGAACGTGGCCGTATGTTTAAAGTGTTCACAAGGAGGGCCAT	[150]
jonesi_AL_BCC	AAAAYAGCGAGCGTGGYCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
jonesi_NC_CC	AAAATAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
jonesi_NC_QC	AAAATAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
jonesi_GA_WC	AAAATAGCGAGCGTGGTTCGCATGTTTAAAGTATTCAACAAGGAAGGGCAT	[150]
krebsorum_NC_MC	AAAACAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
krebsorum_SC_CC2	AAAACAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
lakei_PA_NC	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
lakei_SC_BR	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
lakei_FL_CR	AAAACAGCGAGCGTGGTTCGCATGTTTAAAGTCTTCAACAAGGAAGGGCAT	[150]
lakei-Taunt_8_MA_TR	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
lakei-Taunt_9_MA_TR	AAAACAGCGAGCGCGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
luggeri_NWT	AAAAYAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
luggeri_NE_FR	AAAACARYGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
luggeri_NC_HR	AAAAYAGYAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
luggeri_KY_GR3	AAAACAGTGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
'notiale AL BC5+6'	AAAACAGCGAGCGGGTTCGTATGTTCAAAGTGTTCACAAGAAAGGGCAT	[150]
notiale_VA_RR	AAAACAGCGAGCGGGTTCGTATGTTCAAAGTGTTCACAAGGAAGGGCAT	[150]
notiale_TN_CC	AAAACAGCGAGCGTGGTTCGTATGTTCAAAGTGTTCACAAGGAAGGGCAT	[150]
notiale_SC_RBC	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
'notiale AL BC6+6'	AAAACAGCGAGCGGGTTCGTATGTTCAAAGTGTTCACAAGGAAGGGCAT	[150]
nyssa_AL_BC	AAAACAACGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
nyssa_ME_AR	AAAACAACGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
nyssa_VA_RR	AAAACAACGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGTAT	[150]
nyssa_ME_PR	AAAACAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
nyssa_NC_TR	AAAACAMCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
ozarkense_MO_GR2	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
ozarkense_MO_GR1	AAAACAGAGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
penobsco_ME_PR1	AAAACAGCGAACGCGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
penobsco_ME_PR2	AAAACAGCGAACGCGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
podostemi_NC_TR	AAAACAGCGAACGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
podostemi_GA_AS	AAAACAGCGAACGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
podostemi_MS_BC	AAAACAGCGAACGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
podostemi_GA_CR	AAAACAGCGAACGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGCAT	[150]
remissum_NC_NR2	AAAACAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
remissum_NC_NR1	AAAACAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
remissum_NC_NR3	AAAACAGCGAGCGTGGTTCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]

'snowi_AL_BC_4+6'	AAAACAGCGAGCGGGGTCGTATGTTCAAAGTGTTCACAAGGAAGGGCAT	[150]
snowi_TN_CC	AAAACAGCGAGCGGGGTCGTATGTTCAAAGTGTTCACAAGGAAGGGCAT	[150]
'snowi_AL_BC_4+4'	AAAACAGCGAGCGTGGYCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
taxodium_GA_CC2	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
taxodium_FL_CR	AAAACAGCGAGCGTGGTTCGTATGTTTAAAGTGTTCACAAGGAAGGGCAT	[150]
underhilli_AL_HC3	AAAACAGCGAGCGTGGCCGCATGTTTAAAGTGTTCARCAAGGAAGGGCAT	[150]
underhilli_GA_FR	AAAACAGCGAGCGTGGTTCGTATGTTCAAAGTGTTCACAAGGAAGGGCAT	[150]
underhilli_GA_FS	AAAACAGCGAGCGYGGCCGCATGTTTAAAGTGTTCACAAGGAAGGRCAT	[150]

tuberosum	TTGCAGTTCACCTCGGAGCCTTGTTGGTGGCTTGGAGCCACCGATATTCTG	[200]
verecundum	-----CGGAACCTTGTTGGTGGTTTGGAAACCACCGATATTTTG	[37]
decimatum	TTGCAGTTTACCTCGGAGCCTTGTTGGCGGTTTAGAGTCCCCGATATTTTG	[200]
apricarium	TTGCAGTTTACATCGGAGCCTTGTTGGCGGTTTAGAGTCCCCGATATTTTG	[200]
reptans	TTGCAGTTTACCTCGGAGCCTTGTTGGTGGTTTGGAGCCCCCGATATTTTG	[200]
anchist_AL_HC	TTGCAGTTCACCTCCGAACCTTGTTGGCGGCCTAGAACCTCCGATATTCTG	[200]
anchist_DE_DR	TTGCAGTTCACCTCCGAACCTTGTTGGCGGCCTAGAACCTCCGATATTCTG	[200]
anchist_ME_AR	TTGCAGTTCACCTCCGAACCTTGTTGGCGGCCTAGAACCTCCGATATTCTG	[200]
anchist_NC_NR	TTGCAGTTCACCTCSGAACCTTGTTGGCGGCCTAGAACCTCCGATATTCTG	[200]
anchist_ME_KR	TTGCAGTTTACCTCCGAACCTTGTTGGCGGCCTAGAACCCACCGATATTCTG	[200]
aranti_GA_FS	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTCGAGTCTCCGATATTCTG	[200]
aranti_GA_AS	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTCGAGTCTCCGATATTCTG	[200]
aranti_AL_HC	TTRCAGTTCACCTCGGAGCCTTGTTGGCGGCCTCGAGTCTCCGATATTCTG	[200]
aranti_SC_LR	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTCGAGTCTCCGATATTCTG	[200]
chlorum_NC_GC3	TTGCAGTTCACCTCGGAGCCTTGTTGGTGGCCTAGAGCCTCCGATATTCTG	[200]
chlorum_NC_GC1	TTGCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
chlorum_NC_GC4	TTGCAGTTCACCTCGGAGCCTTCTGGCGGYTTAGAGCCTCCGATATTCTG	[200]
confusum_TN_LR	TTGCAGTTCACCTCGGARCCCTTGTTGGYGGCCTAGAGCCTCCRATATTCTG	[200]
confusum_GA_GC	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
confusum_GA_EC	TTGCAGTTCACCTCGGARCCCTTGTTGGCGGCCTAGARCCCTCCGATATTCTG	[200]
confusum_TX_SJR	TTGCAGTTCACCTCGGAGCCTTGTTGGYGGCCTAGAGCCTCCGATATTCTG	[200]
confusum_TX_SR	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
confusum_TX_Bayou	TTGCAGTTCACCTCGGAACCTTGTTGGCGGACTAGAGCCTCCGATATTCTG	[200]
definitum_PA_LC	TTGMAGTTCACCTCAGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
definitum_SC_GC	TTGCAGTTCACCTCAGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
dixiense_GA_WC	TTGCAGTTCACCTCAGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTTTG	[200]
dixiense_SC_LBC	TTGCAGTWCACCTCAGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTTTG	[200]
dixiense_NC_QC	TTGCAGTACACCTCAGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTTTG	[200]
dixiense_FL_CC	TTGCAGTTCACCTCAGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTTTG	[200]
fibrinflatum_PA_DR	TTGCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGYCTCCGATATTCTG	[200]
fibrinflatum_ME_AR	TTRCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
fibrinflatum_GA_FR	TTGCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
haysi_AL_BCC3	TTGCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
haysi_TX_SJR	TTGCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
infenestrum_NC_RR	TTGCAGTTCACCTCGGAGCCCTTGTTGGYGGCCTAGARCCYCCGATATTCTG	[200]
infenestrum_SC_RBC	TTCCAGTTCACCTCGGARCCATGTGGTGGCCTAGAACCTCCGATATTCTG	[200]
jenningsi_TN_PR	TTRCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
jenningsi_NC_ER	TTGCAGTTCACCTCGGAACCATGTGGCGTCCAGAGCCTCCGATATTCTG	[200]
jenningsi_SC_FC	TTGCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
jenningsi_PA_BR	TTGCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
jenningsi_GA_AR	TTGCAGTTCACCTCGGAGCCATGTGGTGGCCTAGAGCCACCGATATTCTG	[200]
jonesi_FL_CC1	TTGCAGTTCACCTCGGAACCGTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
jonesi_AL_BCC	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
jonesi_NC_CC	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
jonesi_NC_QC	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
jonesi_GA_WC	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
krebsorum_NC_MC	TTGCAGTTCACCTCGGAGCCTTGTTGGTGGCCTAGAGCCTCCGATATTCTG	[200]
krebsorum_SC_CC2	TTGCAGTTCACCTCGGAGCCTTGTTGGTGGCCTAGAGCCTCCGATATTCTG	[200]
lakei_PA_NC	TTGCARTTCACCTCGGAGGCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
lakei_SC_BR	TTGCARTTCACCTCGGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
lakei_FL_CR	TTGCAGTTCACCTCGGAGCCTTGTTGGTGGCCTAGAACCTCCGATATTCTG	[200]
lakei-Taunt_8_MA_TR	TTGCAGTTCACCTCGGAGCCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
lakei-Taunt_9_MA_TR	TTGCAGTTCACCTCGGAACCTTGTTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
luggeri_NWT	TTGCAGTTCACCTCGGAGCCATGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]

luggeri_NE_FR	TTGCAGTTCACCTCGGAGCCATGTGGTGGCCTAGAGCCTCCGATATTCTG	[200]
luggeri_NC_HR	TTGCAGTTCACCTCGGAGCCTTGTGGYGGCCTAGAGCCTCCGATATTCTG	[200]
luggeri_KY_GR3	TTGCAGTTCACCTCGGAGCCTTGTGGTGGCCTAGAGCCTCCGATATTCTG	[200]
'notiale AL BC5+6'	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
notiale_VA_RR	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGACTCCGATATTCTG	[200]
notiale_TN_CC	TTGCAGTTCACCTCGGAGCCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
notiale_SC_RBC	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
'notiale AL BC6+6'	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
nyssa_AL_BC	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAACCTCCGATATTCTG	[200]
nyssa_ME_AR	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAACCTCCGATATTCTG	[200]
nyssa_VA_RR	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAACCTCCGATATTCTG	[200]
nyssa_ME_PR	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
nyssa_NC_TR	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGARCTCCGATATTCTG	[200]
ozarkense_MO_GR2	TTGCAGTTYACCTCRGARCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
ozarkense_MO_GR1	TTGCAGTTCACCTCGGAGCCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
penobsco_ME_PR1	TTGCAGTTCACCTCGGAGCCWTGTGGTGGCCTAGAGCCTCCGATATTCTG	[200]
penobsco_ME_PR2	TTGCAGTTCACCTCGGAGCCATGTGGTGGCCTAGAACCTCCGATATTCTG	[200]
podostemi_NC_TR	TTGCAGTTCACCTCGGAACCTTGTGGCAGTCTAGAGCCTCCGATATTCTG	[200]
podostemi_GA_AS	TTGCAGTTCACCTCGGAACCTTGTGGCGGTCTAGAGCCTCCGATATTCTG	[200]
podostemi_MS_BC	TTGCAGTTCACCTCGGAACCTTGTGGSGGTCTAGAGCCTCCGATATTCTG	[200]
podostemi_GA_CR	TTGCAGTTCACCTCGGAACCTTGTGGGGGTCTAGAGCCTCCGATATTCTG	[200]
remissum_NC_NR2	TTGCAGTTCACCTCGGAACCTGCGGYGGACTAGAGCCTCCGATATTCTG	[200]
remissum_NC_NR1	TTGCAGTTCACCTCGGAACCTTGTGGCGGACTAGAGCCTCCGATATTCTG	[200]
remissum_NC_NR3	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
'snowi AL BC 4+6'	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
snowi_TN_CC	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
'snowi AL BC 4+4'	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
taxodium_GA_CC2	TTGCAGTTCACCTCGGAGCCTTGTGGTGGCCTAGAACCTCCGATATTCTG	[200]
taxodium_FL_CR	TTRCASTTCACCTCGGARCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
underhilli_AL_HC3	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
underhilli_GA_FR	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
underhilli_GA_FS	TTGCAGTTCACCTCGGAACCTTGTGGCGGCCTAGAGCCTCCGATATTCTG	[200]
tuberosum	GCGACCTTCCGGTCTATGGCTGGCCGTGCCTCAGATTCTCCCGGGTAACA	[250]
verecundum	GCGGCCTTCCGGTTTATGGCTGGCTGTGCCACAAATACTTCCGGGGAACA	[87]
decimatum	GCGGCCTTCCGGCTATGGCTGGCCGCGCCACAAATTTTACCGGGCAACA	[250]
apricarium	GCGGCCTTCCGGCTTGTGGCTGGCCGTGCCACAAATACTTCCAGGAAACA	[250]
reptans	GCGGCCTTCCGGCCTATGGCTGGCCGTGCCACAAATACTTCCGGGCAACA	[250]
anchist_AL_HC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCGGGCAACA	[250]
anchist_DE_DR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCRGGCAACA	[250]
anchist_ME_AR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCGGGCAACA	[250]
anchist_NC_NR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCGGGCAACA	[250]
anchist_ME_KR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCGGGCAACA	[250]
aranti_GA_FS	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
aranti_GA_AS	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
aranti_AL_HC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCRCAAATTTCTKCCGGGCAACA	[250]
aranti_SC_LR	GCGTCCTTCCGGCCTGTGGCTGGCCGTACCPCAAATTTCTGCCGGGCAACA	[250]
chlorum_NC_GC3	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATACTTCCGGGCAACA	[250]
chlorum_NC_GC1	GCGCCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATWCTTCCGRGCAACA	[250]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
chlorum_NC_GC4	GCGTCCTTCTGGCCTGTGGCTGGCCGTGCCACAAATTTCTTCCGGGCAACA	[250]
confusum_TN_LR	GCGYCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
confusum_GA_GC	GCGTCCTTCTGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCAGGCAACA	[250]
confusum_GA_EC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
confusum_TX_SJR	GCGCCCTWCCGGCCTGTGGTTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
confusum_TX_SR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCRCAAATTTCTTCCGGGCAACA	[250]
confusum_TX_Bayou	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCACAAATACTTCCGGGCAACA	[250]
definitum_PA_LC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCAGGCAACA	[250]
definitum_SC_GC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCAGGCAACA	[250]
dixiense_GA_WC	GCGCCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
dixiense_SC_LBC	GCGCCCTTCSGGCCTGTGGTTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
dixiense_NC_QC	GCGCCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
dixiense_FL_CC	GCGCCCTTCSGGCCTGTGGTTGGCCGTGCCGCAAATTTCTTCCGGGCAACA	[250]
fibrinflatum_PA_DR	GCGTCCATCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCGGGCAACA	[250]
fibrinflatum_ME_AR	GCGTCCATCCGGCCTGTGGCTGGCCGTGCCGCAAATTTCTGCCGGGCAACA	[250]

fibrinflatum_GA_FR	GCGTCCTTCCGGCCTGTGGCTGGCCGTTCCGCAAATTCTGCCGGGCAACA	[250]
haysi_AL_BCC3	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCACAAATTCTTCCGGGCAACA	[250]
haysi_TX_SJR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCACAAATTCTTCCGGGCAACA	[250]
infenestrum_NC_RR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTTCCRGGCAACA	[250]
infenestrum_SC_RBC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
jenningsi_TN_PR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGAAACA	[250]
jenningsi_NC_ER	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATACTGCCAGGCAATA	[250]
jenningsi_SC_FC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
jenningsi_PA_BR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
jenningsi_GA_AR	GCGTCCTTCCGGCCTGTGGCTAGCCGTACCGCAAATACTACCAGGCAATA	[250]
jonesi_FL_CC1	GCGGCCTTCTGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCAGGCAACA	[250]
jonesi_AL_BCC	GCGTCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
jonesi_NC_CC	GCGTCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
jonesi_NC_QC	GCGTCCTTCCGGCCTGTGGYTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
jonesi_GA_WC	GCGTCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
krebsorum_NC_MC	GCGTCCTTCTGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
krebsorum_SC_CC2	GCGTCCTTCTGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
lakei_PA_NC	GCGTCCTTCYGGCCTGTGGCTGGCCGTGCCGCAAATTCTKCCAGGCAACA	[250]
lakei_SC_BR	GCGTCCTTCYGGCCTGTGGCTGGCCGTGCCACAAATTCTTCCGGGCAACA	[250]
lakei_FL_CR	GCGTCCTTCTGGCCTGTGGCTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
lakei-Taunt_8_MA_TR	GCGTCCTTCTGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCRGGCAACA	[250]
lakei-Taunt_9_MA_TR	GCGYCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
luggeri_NWT	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
luggeri_NE_FR	GCGTCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
luggeri_NC_HR	GCGTCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
luggeri_KY_GR3	GCGTCCTTCCGGCCTGTGGTTGGCCGTGCCGCAAATTCTTCCGGGYAACA	[250]
'notiale_AL_BC5+6'	GCGTCCTTCCGGCCTGTGGCTGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
notiale_VA_RR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
notiale_TN_CC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
notiale_SC_RBC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
'notiale_AL_BC6+6'	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
nyssa_AL_BC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCRGGCAACA	[250]
nyssa_ME_AR	GCGTCCTTCTGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
nyssa_VA_RR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
nyssa_ME_PR	GCGTCCTTCCGGCCTGTGGYTGGCCGTGCCGCAAATTCTKCCGGGCAACA	[250]
nyssa_NC_TR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCSCAAATTCTKCCGGGCAACA	[250]
ozarkense_MO_GR2	GCGTCCTTCCGGYCTGTGGCTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
ozarkense_MO_GR1	GCGTCCTTCTGGCCTGTGGCTGGCAGTGCCGCAAATTCTTCCAGGAAACA	[250]
penobsco_ME_PR1	GCGTCCTTCYGGCCTGTGGCTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
penobsco_ME_PR2	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCAGGCAACA	[250]
podostemi_NC_TR	GCGTCCGTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
podostemi_GA_AS	GCGTCCGTCCGGCCTGTGGCTGACCGTGCCGCAAATTCTTCCGGGCAACA	[250]
podostemi_MS_BC	GCGTCCGTCCGGTCTGTGGCTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
podostemi_GA_CR	GCGTCCGTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTTCCGGGCAACA	[250]
remissum_NC_NR2	GCGTCCTTCTGGCCTGTGGTTGGCCGTGCCACAAATTCTTCCGGGCAACA	[250]
remissum_NC_NR1	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAAGTTCTGCCAGGCAACA	[250]
remissum_NC_NR3	GCGTCCTTCCGGCCTGTGGCTGGCMGTGCCRCAARTTCTGCCRGGCAACA	[250]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
'snowi_AL_BC_4+6'	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
snowi_TN_CC	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
'snowi_AL_BC_4+4'	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATGCTGCCGGGCAACA	[250]
taxodium_GA_CC2	GCGTCCTTCTGGCCTGTGGCTGGCCGTGCCGCAAATTCTKCKGGCAACA	[250]
taxodium_FL_CR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCACAAATTCTTCCGGGCAACA	[250]
underhilli_AL_HC3	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCRCAAATTCTGCCGGGCAACA	[250]
underhilli_GA_FR	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
underhilli_GA_FS	GCGTCCTTCCGGCCTGTGGCTGGCCGTGCCGCAAATTCTGCCGGGCAACA	[250]
tuberosum	AGTACAGGATCACGCTGTTTCGAAAAGAATGGATTGCGCCATCGGGAACCTG	[300]
verecundum	AATACAGGATCACACTGTTTCGAAAAGAATGGATTGCGCCATCGGGAACCTT	[137]
decimatum	AATACAGGATCACATTGTTTCGAAAAGAACGGTTTGCGTATCGGGAACCTG	[300]
apricarium	AATACAGGATCACACTGTTTGAAGAAGAACGGTTTGCGTATCGGGAACCTG	[300]
reptans	AATACAGGATCACACTGTTTGAAGAAGAACGGATTGCGTATCGGGAACCTG	[300]
anchist_AL_HC	AATACAGGATCACTCTGTTTGAAGAAGATGGTCTGCGTCATCGTGAACCTG	[300]
anchist_DE_DR	AATACAGGATCACTCTGTTTGAAGAAGATGGTCTSCGTATCGAGAACCTG	[300]

anchist_ME_AR	AATACAGGATCACTCTGTTTAAAAAGAATGGTCTGCGTCATCGAGAAGCTG	[300]
anchist_NC_NR	AATACAGGATCACTCTGTTTAAAAAGAATGGTCTGCGTCATCGAGAAGCTG	[300]
anchist_ME_KR	AATACAGGATYACTCTGTTTAAAAAGAATGGWCTGCGTCATCGGGARCTG	[300]
aranti_GA_FS	AATAYAGGATCACTCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
aranti_GA_AS	AATAYAGGATCACTCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
aranti_AL_HC	AATACAGGATCACTCTGTTTAAAAAGAATGGWCTGCGTCATCGGGAAGCTG	[300]
aranti_SC_LR	AATACAGGATCACACTRTTTAAAAAGAATGGTCTGCGTCATCGGGAAGCTG	[300]
chlorum_NC_GC3	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
chlorum_NC_GC1	AATACAAGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
chlorum_NC_GC4	AATACAGGATCACACTGTTTAAAAAGAATGGACTACGTCATCGGGAAGCTG	[300]
confusum_TN_LR	AATACARGATCACMCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
confusum_GA_GC	AATACAAGATCACTCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
confusum_GA_EC	AATACAAGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
confusum_TX_SJR	AATACAAGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
confusum_TX_SR	AATACAGGATCACTCTGTTTAAAAAGAATGGACTGCGTCATCGRGAAGCTG	[300]
confusum_TX_Bayou	AATACAGGATCACTCTGTTTAAAAAGAATGGKCTGCGTCATCGGGAAGCTG	[300]
definitum_PA_LC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGATCTG	[300]
definitum_SC_GC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGATCTG	[300]
dixiense_GA_WC	AATACAGGATCACACTGTTTAAAAAGAATGGATTGCGTCATCGGGAAGCTG	[300]
dixiense_SC_LBC	AATACAGGATCACACTGTTTAAAAAGAATGGATTGCGTCATCGGGAAGCTG	[300]
dixiense_NC_QC	AATACAGGATCACACTGTTTAAAAAGAATGGATTGCGTCATCGGGAAGCTG	[300]
dixiense_FL_CC	AATACAGGATCACACTGTTTAAAAAGAATGGATTGCGTCATCGGGAAGCTG	[300]
fibrinflatum_PA_DR	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTA	[300]
fibrinflatum_ME_AR	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGCCATCGGGAAGCTG	[300]
fibrinflatum_GA_FR	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTA	[300]
haysi_AL_BCC3	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
haysi_TX_SJR	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
infenestrum_NC_RR	AATACAGGATYACWCTGTTYAAAAAGAATGGAYTGCGTCATCGGGAAGCTG	[300]
infenestrum_SC_RBC	AATACAGGATTACTCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jenningsi_TN_PR	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jenningsi_NC_ER	AATACAGGATCACTCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jenningsi_SC_FC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jenningsi_PA_BR	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jenningsi_GA_AR	AATACAGGATCACTCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jonesi_FL_CC1	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jonesi_AL_BCC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jonesi_NC_CC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jonesi_NC_QC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
jonesi_GA_WC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
krebsorum_NC_MC	AATACAAGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGAGAAGCTG	[300]
krebsorum_SC_CC2	AATACAAGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGAGAAGCTG	[300]
lakei_PA_NC	AATACARGATCACTCTGTTTAAAAAGAATGGACTRCGTATCGGGAAGCTG	[300]
lakei_SC_BR	AATACAGGATCACACTGTTTAAAAAGAATGGACTRCGTATCGGGAAGCTG	[300]
lakei_FL_CR	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
lakei_Taunt_8_MA_TR	AATACAAGATCACTCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
lakei_Taunt_9_MA_TR	AATACAAGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
luggeri_NWT	AATACAGGATCACAYTGTTTAAAAAGAATGGATTGCGTCATCGGGAAGCTG	[300]
luggeri_NE_FR	AATACAGGATCACATTGTTTAAAAAGAATGGATTGCGTCATCGGGAAGCTG	[300]
luggeri_NC_HR	AATACAGGATCACACTGTTTAAAAAGAATGGATTGCGTCATCGGGAAGCTG	[300]
luggeri_KY_GR3	AATACAGGATCACACTGTTTAAAAAGAATGGATTGCGTCATCGGGAAGCTG	[300]
'notiale AL BC5+6'	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTA	[300]
notiale_VA_RR	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGCCATCGGGAAGCTG	[300]
notiale_TN_CC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTR	[300]
notiale_SC_RBC	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTR	[300]
'notiale AL BC6+6'	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGCCATCGGGAAGCTG	[300]
nyssa_AL_BC	AATACAGGATCACTCTGTTTAAAAAGAATGGTCTGCGTCATCGAGAAGCTG	[300]
nyssa_ME_AR	AATACAGGATCACTCTGTTTAAAAAGAATGGTCTGCGTCATCGAGAAGCTG	[300]
nyssa_VA_RR	AATACAGGATCACTCTGTTTAAAAAGAATGGTCTGCGTCATCGAGAAGCTG	[300]
nyssa_ME_PR	AATACAGGATCACWCTGTTTAAAAAGAATGGWCTGCGTCAYCGAGAAGCTG	[300]
nyssa_NC_TR	AATACASGATCACWCTGTTTAAAAAGAATGGWCTGCGTCATCGAGAAGCTG	[300]
ozarkense_MO_GR2	AATACAGGATCACACTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
ozarkense_MO_GR1	AATACAGGATYACACTGTTTAAAAAGAATGGATTGCGTCATCGAGAAGCTG	[300]
penobsco_ME_PR1	AATACAGGATTACACTGTTTAAAAAGAATGGACTGCGTCATCGAGAAGCTG	[300]
penobsco_ME_PR2	AATACAAGATCACWCTGTTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
podostemi_NC_TR	AATACAGGATCACTTTATTTAAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]

podostemi_GA_AS	AATACAGGATCACTTTATTTGAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
podostemi_MS_BC	AATACAGGATCACTTTATTTGAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
podostemi_GA_CR	AATACAGGATCACTTTATTTGAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
remissum_NC_NR2	AATACAGGATTACACTGTTTGGAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
remissum_NC_NR1	AATACAGGATCACTCTGTTTGGAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
remissum_NC_NR3	AATACAGGATCACACTGTTTGGAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
'snowi_AL_BC_4+6'	AATACAGGATCACACTGTTTGGAAAAGAATGGACTGCGCCATCGGGAAGCTG	[300]
snowi_TN_CC	AATACAGGATCACACTGTTTGGAAAAGAATGGACTGCGCCATCGGGAAGCTG	[300]
'snowi_AL_BC_4+4'	AATACAGGATCACACTGTTTGGAAAAGAATGGACTGCGYCATCGGGAAGCTG	[300]
taxodium_GA_CC2	AATAYAGGATCACRCTGTTTGGAAAAGAATGGACTGCGTCATCGGGAAGCTG	[300]
taxodium_FL_CR	AATACASGATCACACTGTTTGGAAAARAATGGACTGCGTCATCGGGAAGCTG	[300]
underhilli_AL_HC3	AATACAGGATCACACTGTTTGGAAAAGAATGGACTGCGTCATCGGGAAGCTA	[300]
underhilli_GA_FR	AATACAGGATCACACTGTTTGGAAAAGAATGGACTGCGTCATCGGGAAGCTA	[300]
underhilli_GA_FS	AATACARGATCACACTGTTTGGAAAAGAATGGACTGCGTCATCGGGAAGCTA	[300]

tuberosum	TCGTTGCCTTTTAAGCGAGAAGACCAAATTGTCAAGTCTTTGGCTTGGAA	[350]
verecundum	GTGTTGCCATTTCGTGCGAGAAGAGCAAAGTGTCAAGTCTTTGGCTTGGAA	[187]
decimatum	GCGTTACCATTTCGTGCGAGATTAAGCAAAGGGTCAGGTCTTTGGCTTGGAA	[350]
apricarium	GCGTTACCATTTCGTGCGAGAAGAGCGATGTGTCAAGTCTCTTGGCTTGGAA	[350]
reptans	GCGTTGCCATTTCGTGCGAGAAGATCAATGTGTCAAGTCTCTTGGCTTGGAA	[350]
anchist_AL_HC	GCGCTRCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTAGCTTGGAA	[350]
anchist_DE_DR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTARCTTGGAA	[350]
anchist_ME_AR	GCGCTRCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTAGCTTGGAA	[350]
anchist_NC_NR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTAGCTTGGAA	[350]
anchist_ME_KR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTAGCTTGGAA	[350]
aranti_GA_FS	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTTGGCTTGGAA	[350]
aranti_GA_AS	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTTGGCTTGGAA	[350]
aranti_AL_HC	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTTGGCTTGGAA	[350]
aranti_SC_LR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTCAAGTCTCTTGGCTTGGAA	[350]
chlorum_NC_GC3	GCGCTGCCGTTTCGTGCGAGAAGAGCAAACKYGTAAAGTCTCTTGGCTTGGAA	[350]
chlorum_NC_GC1	GCRCTGCCRTTCGTCCGAGAAGAGCAAATTGTAAAGTCTCTTGGCTTGGAA	[350]
chlorum_NC_GC4	GCACTGCCATTTCGTGCGAGAAGAGCAAACGCGTTAAAGTCTCTTGGCTTGGAA	[350]
confusum_TN_LR	GCRCTGCCATTTCGTGCGAGAAGAGCAAATYGTAAARTCTCTTGGCTTGGAA	[350]
confusum_GA_GC	GCGCTGCCATTTCGTGCGAGAAGAGCAAATCGTTAARTCTCTTGGCTTGGAA	[350]
confusum_GA_EC	GCRCTGCCATTTCGTGCGAGAAGAGCAAATGTAAARTCTCTTGGCTTGGAA	[350]
confusum_TX_SJR	GCGCTGCCAYTCGTGCGAGAAGAGCAAACKCGTTAAGTCTCTTGGCTTGGAA	[350]
confusum_TX_SR	GCRCTGCCATTTCGTGCGAGAAGAGCAAATTGTAAAGTCTCTTGGCTTGGAA	[350]
confusum_TX_Bayou	GCGCTGCCATTTCGTGCGAGAAGAGCAAATTGTAAAGTCTCTTGGCTTGGAA	[350]
definitum_PA_LC	GCCCTGCCATTTCGCACGAGAAGAGCAAATTGTAAAGTCTCTTGGCTTGGAA	[350]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
definitum_SC_GC	GCCCTGCCATTTCGCACGAGAAGAGCAAATTGTAAAGTCTCTTGGCTTGGAA	[350]
dixiense_GA_WC	GCGCTGCCAYTCGTGCGAGAAGAGCAAATCGTTAARTCTCTTGGCTTGGAA	[350]
dixiense_SC_LBC	GCGCTGCCAYTCGTGCGAGAAGAGCAAATCGTTAARTCTCTTGGCTTGGAA	[350]
dixiense_NC_QC	GCGCTGCCATTTCGTGCGAGAAGAGCAAATCGTTAARTCTCTTGGCTTGGAA	[350]
dixiense_FL_CC	GCGCTGCCATTTCGTGCGAGAAGAGCAAATCGTTAARTCTCTTGGCTTGGAA	[350]
fibrinflatum_PA_DR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
fibrinflatum_ME_AR	GCACTGCCATTTCGTGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
fibrinflatum_GA_FR	GCGCTGCCATTTCGTACGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
haysi_AL_BCC3	GCGCTGCCATTTCGTGCGAGAAGAGCAAATGTAAAGTCTCTTGGCTTGGAA	[350]
haysi_TX_SJR	GCGCTGCCATTTCGTGCGAGAAGATCAAATGTAAAGTCTCTTGGCTTGGAA	[350]
infenestrum_NC_RR	GCGCTSCCRTTCGTGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
infenestrum_SC_RBC	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGGATTAAGTCTCTTGGCTTGGAA	[350]
jenningsi_TN_PR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
jenningsi_NC_ER	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
jenningsi_SC_FC	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
jenningsi_PA_BR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
jenningsi_GA_AR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
jonesi_FL_CC1	GCGCTGCCATTTCGTGCGAGAAGAGCAAACGCGTTAAGTCTCTTGGCTTGGAA	[350]
jonesi_AL_BCC	GCGCTGCCATTTCGTGCGAAAAGAGCAAAGTGTAAAGTCTCTTGGCTTGGAA	[350]
jonesi_NC_CC	GCGCTGCCATTTCGTGCGARAAGAGCAAAGTGTAAAGTCTCTTGGCTTGGAA	[350]
jonesi_NC_QC	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTTGGCTTGGAA	[350]
jonesi_GA_WC	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTTGGCTTGGAA	[350]
krebsorum_NC_MC	GCGCTGCCATTTCGCGCGGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]
krebsorum_SC_CC2	GCGCTGCCATTTCGCGCGAGAAGAGCAAAGGGTTAAGTCTCTTGGCTTGGAA	[350]

lakei_PA_NC	GCGCTGCCATTTCGTGCGAGAAGAGCAAATCGTTAARTCTCTTGCTTGGAA	[350]
lakei_SC_BR	GCACTGCCATTTCGTGCGAGAAGAGCAACGCGTTAAGTCTCTTGCTTGGAA	[350]
lakei_FL_CR	GCGCTGCCATTTCGTGCGAGAAGAGCAACGCGTTAAGTCTCTTGCTTGGAA	[350]
lakei-Taunt_8_MA_TR	GCRCTGCCATTTCGTGCGAGAAGAGCAAATCGTTAAGTCTCTTGCTTGGAA	[350]
lakei-Taunt_9_MA_TR	GCACTGCCATTTCGTGCGAGAAGAGCAAATTTGTTAAGTCTCTTGCTTGGAA	[350]
luggeri_NWT	GCGCTGCCGTTTCGTGCGAGAAGAGCAAAAGGTTAAGTCGCTTGCTTGGAA	[350]
luggeri_NE_FR	GCGCTGCCGTTTCGTGCGAGAAGAGCAAAAGGTTAAGTCGCTTGCTTGGAA	[350]
luggeri_NC_HR	GCGCTGCCGTTTCGTGCGAGAAGAGCAAAAGGTTAAGTCCKCTTGCTTGGAA	[350]
luggeri_KY_GR3	GCGCTGCCATTTCGTGCGAGAAGAGCAAAAGGTTAAGTCTCTAGCTTGGAA	[350]
'notiale AL BC5+6'	GCRCTGCCATTTCGTGCGAGAAGAACAATGGTTAAGTCTCTTGCTTGGAA	[350]
notiale_VA_RR	GCACTGCCATTTCGWGCGAGAAGAACAAGGGTTAAGTCTCTTGCTTGGAA	[350]
notiale_TN_CC	GCRCTGCCATTTCGTGCGAGAAGAGCAAAAGGTTAAGTCTCTTGATTGGAA	[350]
notiale_SC_RBC	GCRCTGCCATTTCGTGCGAGAAGAACAAGGGTTAAGTCTCTTGCTTGGAA	[350]
'notiale AL BC6+6'	GCACTGCCATTTCGTGCGAGAAGAACAATTTGTTAAGTCTCTTGCTTGGAA	[350]
nyssa_AL_BC	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTAGCTTGGAA	[350]
nyssa_ME_AR	GCGCTGCCATTTCGGGCGAGAAGAGCAAAAGGGTTAAGTCTCTAGCTTGGAA	[350]
nyssa_VA_RR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTAGCTTGGAA	[350]
nyssa_ME_PR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAAGTGTAAAGTCTCTAGCTTGGAA	[350]
nyssa_NC_TR	GCGCTGCCAYTCGTGCGAGAAGAGCAAAAGTGTAAAGTCTCTAGCTTGGAA	[350]
ozarkense_MO_GR2	GCGCTGCCATTTCGTCCGRGAAGAGMAAATTTGTTAAGTCTCTTGCTTGGAA	[350]
ozarkense_MO_GR1	CCGCTGCCATTTCGTCCGAGAAGAGCAAATTTGTTAAGTCTCTTGCTTGGAA	[350]
penobsco_ME_PR1	GCGCTGCCATTTCGTGCGAGAAGAGCAAAGTGTAAAGTCTCTCGCTTGGAA	[350]
penobsco_ME_PR2	GCGCTGCCATTTCGTGCGAGAAGAGCAAAAGGATTAAGTCTCTCGCTTGGAA	[350]
podostemi_NC_TR	GCGCTGCCATTTCGTGCGAGAAGAACAAGTGTCAAGTCTCTTGCTTGGAA	[350]
podostemi_GA_AS	GCGCTGTCAATTCGTGCGAGAAGAGCAAAAGTGTCAAGTCTCTTGCTTGGAA	[350]
podostemi_MS_BC	GCGCTGCCATTTCGTGCGAGAAGAGCAAAAGTGTCAAGTCTCTTGCTTGGAA	[350]
podostemi_GA_CR	GCGCTGYCATTCGTGCGAGAAGAGCAAAAGTGTCAAGTCTCTTGCTTGGAA	[350]
remissum_NC_NR2	GCGYTGCCATTTCGTGCGAGAAGAGCAAAAGTRTYAAGTCTCTTGCTTGGAA	[350]
remissum_NC_NR1	GCGCTGCCATTTCGTGCGAGAAGAGCAAAAGTGTAAAGTCTCTTGCTTGGAA	[350]
remissum_NC_NR3	GCGTTGCCATTTCGTGCGAGAAGAGCAAAAGTGTAAAGTCTCTTGCTTGGAA	[350]
'snowi AL BC 4+6'	GCACTGCCAYTCGTGCGAGAAGAACAATTTGTTAAGTCTCTTGCTTGGAA	[350]
snowi_TN_CC	GCACTGCCATTTCGTGCGAGAAGAACAACAADGTTAAGTCTCTTGCTTGGAA	[350]
'snowi AL BC 4+4'	GCACTGCCATTTCGTGCGAGAAGAACAAGGGTTAAGTCTCTTGCTTGGAA	[350]
taxodium_GA_CC2	GCGCTGCCATTTCGTGCGAGAAGAGCAACGTGTAAAGTCTCTTGCTTGGAA	[350]
taxodium_FL_CR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAKCGTTAAGTCTCTTGCTTGGAA	[350]
underhilli_AL_HC3	GCGCTGCCATTTCGTGCGAGAAGAGCAAAAGGGTTAAGTCTCTTGCTTGGAA	[350]
underhilli_GA_FR	GCGCTGCCATTTCGTGCGAGAAGAGCAAAAGGGTTAAGTCTCTTGCTTGGAA	[350]
underhilli_GA_FS	GCGCTGSCATTTCGTGCGAGAAGAACAAGGGTWAAGTCTCTTGCTTGGAA	[350]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
tuberosum	CAGCGACTCGGAAATTTTGCTGATCGAAACGCAACACGTTGCGGATGAGT	[400]
verecundum	TAGTGATTCTGAAATATTATTGATAGAAACCCAGCACGTTGCGAATGCAT	[237]
decimatum	TAGTGACTCTGAAATTTTATTGATAGAAACCCAGCACGTTGCGGATGCGT	[400]
apricarium	TAGTGACTCAGAAAGTTTGTGATAGAAACCCAGGACATTGCGGATGCGT	[400]
reptans	CAGTGATTCTGAAATTTTGTGATAGAAACCCAGTACGTTGCGGATGCTT	[400]
anchist_AL_HC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
anchist_DE_DR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
anchist_ME_AR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
anchist_NC_NR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
anchist_ME_KR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
aranti_GA_FS	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGAATGTCG	[400]
aranti_GA_AS	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGAATGTCG	[400]
aranti_AL_HC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCG	[400]
aranti_SC_LR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCG	[400]
chlorum_NC_GC3	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCG	[400]
chlorum_NC_GC1	TAGTGATTCTGAAATCTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
chlorum_NC_GC4	TAGTGATTCTGAAATTTTATTGATAGAAACCCAGCACGTTGCGGATGTCG	[400]
confusum_TN_LR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGRATGTCG	[400]
confusum_GA_GC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCG	[400]
confusum_GA_EC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATRTTG	[400]
confusum_TX_SJR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGAGATGTCG	[400]
confusum_TX_SR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCG	[400]
confusum_TX_Bayou	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCG	[400]
definitum_PA_LC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATATCG	[400]
definitum_SC_GC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATATCG	[400]
dixiense_GA_WC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCATGTTGCGGATGCCG	[400]
dixiense_SC_LBC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCATGTTGCGGATGCCG	[400]

dixiense_NC_QC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCATGTTGCGGATGCCG	[400]
dixiense_FL_CC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCATGTTGCGGATGCCG	[400]
fibrinflatum_PA_DR	TAGTGATTCTGAAATTTTGTGATCGAAACCCAACACGTTGCGGATGTCTG	[400]
fibrinflatum_ME_AR	TAGTGATTCTGAAATTTTGTGATCGAAACCCAACACGTTGCGGATGTCTG	[400]
fibrinflatum_GA_FR	TAGTGATTCTGAAATTTTGTGATCGAAACCCAACACGTTGTGGATGTCTG	[400]
haysi_AL_BCC3	TAGTGATTCTGAAATTTTGTGATTGAAACCCAGCACGTTGCGGATGTTG	[400]
haysi_TX_SJR	TAGTGATTCTGAAATTTTGTGATTGAAACCCAGCACGTTGCGGATGTTG	[400]
infenestrum_NC_RR	TAGTGRTTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTYG	[400]
infenestrum_SC_RBC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTYG	[400]
jenningsi_TN_PR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
jenningsi_NC_ER	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
jenningsi_SC_FC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGRATGTCTG	[400]
jenningsi_PA_BR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTT	[400]
jenningsi_GA_AR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
jonesi_FL_CC1	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCT	[400]
jonesi_AL_BCC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCATGTTGCGGATGTTG	[400]
jonesi_NC_CC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCATGTTGCGGATGTCTG	[400]
jonesi_NC_QC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCATGTTGCGGATGTTG	[400]
jonesi_GA_WC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCATGTTGCGAATGTTG	[400]
krebsorum_NC_MC	TAGTGATTCTGAAATTATGCTGATAGAAACCCAACACGTTGCGGATGTCTG	[400]
krebsorum_SC_CC2	TAGTGATTCTGAAATTATGCTGATAGAAACCCAACACGTTGCGGATGTCTG	[400]
lakei_PA_NC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTYG	[400]
lakei_SC_BR	TAGTGACTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
lakei_FL_CR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
lakei-Taunt_8_MA_TR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
lakei-Taunt_9_MA_TR	TAGTGATTCTGAAATCTTGTGATAGAAACCCAACACGTTGCGGATGTTG	[400]
luggeri_NWT	TAGTGATTCTGAAATTTTGTGATAGAAACCCAACACGTTGCGGATGTCTG	[400]
luggeri_NE_FR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAACACGTTGCGGATGTCTG	[400]
luggeri_NC_HR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAACACGTTGCGGATGTCTG	[400]
luggeri_KY_GR3	TAGTGATTCTGAAATTTTGTGATAGAAACCCAACACGTTGCGGATGTCTG	[400]
'notiale AL BC5+6'	TAGTGATTCTGAAATTTTGTGATCGAAACCCAACACGTTGCGGATGTCTG	[400]
notiale_VA_RR	TAGTGATTCTGAAATTTTGTGATCGAAACCCAGCACGTTGCGGATGTCTG	[400]
notiale_TN_CC	TAGTGATTCTGAAATTTTGTGATCGAAACCCAGCACGTTGCGGATGTCTG	[400]
notiale_SC_RBC	TAGTGATTCTGAAATTTTGTGATCGAAACCCAGCACGTTGCGGATGTCTG	[400]
'notiale AL BC6+6'	TAGTGATTCTGAAATTTTGTGATCGAAACCCAGCACGTTGCGGATGTCTG	[400]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
nyssa_AL_BC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
nyssa_ME_AR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
nyssa_VA_RR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
nyssa_ME_PR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
nyssa_NC_TR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTTG	[400]
ozarkense_MO_GR2	TAGTGATTCTGAAATWCTGTTGATAGAAACCCARACGTTGCGRATGTCTG	[400]
ozarkense_MO_GR1	TAGTGATTCTGAAATACTGTTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
penobsco_ME_PR1	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
penobsco_ME_PR2	TAGTGATTCTGAAATTTTGTGATAGAAACTCAGCACGTTGCGGATGTCTG	[400]
podostemi_NC_TR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCT	[400]
podostemi_GA_AS	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTA	[400]
podostemi_MS_BC	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTA	[400]
podostemi_GA_CR	TAGTGATTCTGAAATTTTGYTGATAGAAACCCAGCACGTTGCGGATGTCTA	[400]
remisum_NC_NR2	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
remisum_NC_NR1	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
remisum_NC_NR3	TAGTGATTCTGAAATTTTGTGATAGAGACCCAGCRCGTTGCGGATGTCTG	[400]
'snowi AL BC 4+6'	TAGTGATTTTGAATTTTGTGATCGAAACCCAGCACGTTGCGGATATCT	[400]
snowi_TN_CC	TAGTGATTCTGAAATTTTGTGATCGAAACCCAGCACGTTGCGGATGTCTG	[400]
'snowi AL BC 4+4'	TAGTGATTCTGAAATTTTGTGATCGAAACCCAACACGTTGCGGATGTCTG	[400]
taxodium_GA_CC2	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
taxodium_FL_CR	TAGTGATTCTGAAATTTTGTGATAGAAACCCAGCACGTTGCGGATGTCTG	[400]
underhilli_AL_HC3	TAGTGATTCTGAAATTTTGTGATCGAAACCCAACACGTTGTGGATGTCTG	[400]
underhilli_GA_FR	TAGTGATTCTGAAATTTTGTGATCGAAACCCAACACGTTGCGGATGTCTG	[400]
underhilli_GA_FS	TAGTGATTCTGAAATTTTGTGATAGAAACCCARACGTTKYGGATGTCTG	[400]
tuberosum	CGAAACATTTCGATTTACTTGTTCACGATTTGCAACTATCACTGGTATTTTG	[450]
verecundum	CGAAAAATTTCGATTTACTTGTTCACGATTTGCAACTATCACTGGTATTTTG	[287]
decimatum	CGAAAAATTTCGATTTACCTGTTTACAATTTGCAACTATCACTGGTATTTTG	[450]

apricarium	CGAAAAATTCGATTTACTTGTTTACAATTTGCAACTATCACTGGTATTTG	[450]
reptans	CCAAAAATTCGATTTACTTGTTTACGATTTGCAACTATCACTGGTATTTG	[450]
anchist_AL_HC	CAAARAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
anchist_DE_DR	CAAAGAATTCGATATACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
anchist_ME_AR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
anchist_NC_NR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
anchist_ME_KR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
aranti_GA_FS	CAAAGAGTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
aranti_GA_AS	CAAAGAGTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
aranti_AL_HC	CAAAGARTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
aranti_SC_LR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
chlorum_NC_GC3	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
chlorum_NC_GC1	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
chlorum_NC_GC4	CAAAGAATTCGATTTACTTGTTTACAATTTGCAACTATCATTGGTATTTG	[450]
confusum_TN_LR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
confusum_GA_GC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
confusum_GA_EC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
confusum_TX_SJR	CAAAGAATTCGATTTACTTGTTTACAATTTGCAACTATCATTGGTATTTG	[450]
confusum_TX_SR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
confusum_TX_Bayou	CWAAGAATTCGATTTACTTGTTTACGATTTGCAAYTATCATTGGTATTTG	[450]
definitum_PA_LC	CAAAGAATTCGATTTACTTGTTTACGATTAGCAACTATCATTGGTATTTA	[450]
definitum_SC_GC	CAAAGAATTCGATTTACTTGTTTACGATTAGCAACTATCATTGGTATTTA	[450]
dixiense_GA_WC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
dixiense_SC_LBC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
dixiense_NC_QC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
dixiense_FL_CC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
fibrinflatum_PA_DR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
fibrinflatum_ME_AR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
fibrinflatum_GA_FR	CCAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
haysi_AL_BCC3	CGAAGAATTCGATTTACTTGTTTACAATTTGCAACTATCATTGGTATTTG	[450]
haysi_TX_SJR	CGAAGAATTCGATTTACTTGTTTACAATTTGCAACTATCATTGGTATTTG	[450]
infenestrum_NC_RR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
infenestrum_SC_RBC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jenningsi_TN_PR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jenningsi_NC_ER	CCAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jenningsi_SC_FC	CCAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jenningsi_PA_BR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jenningsi_GA_AR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jonesi_FL_CC1	CAAAGAATTCGATTTACTTGTTTACAATTTGCAACTATCATTGGTATTTG	[450]
jonesi_AL_BCC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jonesi_NC_CC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jonesi_NC_QC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
jonesi_GA_WC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
krebsorum_NC_MC	CAAAAAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
krebsorum_SC_CC2	CAAAAAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
lakei_PA_NC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
lakei_SC_BR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
lakei_FL_CR	CAAAGAATTCGATTTACTTGTTTACAATTTGCAACTATCATTGGTATTTG	[450]
lakei-Taunt_8_MA_TR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
lakei-Taunt_9_MA_TR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
luggeri_NWT	CTAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
luggeri_NE_FR	CTAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
luggeri_NC_HR	CTAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
luggeri_KY_GR3	CTAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
'notiale AL BC5+6'	CCAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
notiale_VA_RR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
notiale_TN_CC	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
notiale_SC_RBC	CCAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
'notiale AL BC6+6'	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
nyssa_AL_BC	CCAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
nyssa_ME_AR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
nyssa_VA_RR	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
nyssa_ME_PR	CAAAGAATTCGATTTACTTGTTTACGATTWGCAACTATCATTGGTATTTG	[450]
nyssa_NC_TR	CAMAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
ozarkense_MO_GR2	CAAAGAATTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]

ozarkense_MO_GR1	CAAARAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
penobsco_ME_PR1	CSAAGAATTCTATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTA	[450]
penobsco_ME_PR2	CCAAGAATTTCGATTTACTTGTTTACGATYTGCAACTATCATTGGTATTTA	[450]
podostemi_NC_TR	CGAAKAATTTCGATTTACTTGTTTAYGATTTGCAACTATCATTGGTATATG	[450]
podostemi_GA_AS	CGAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
podostemi_MS_BC	CGAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
podostemi_GA_CR	CGAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
remisum_NC_NR2	CAAAGAATTTCGATTTACTTGTTTACGATCTGCAACTATCATTGGTATTTA	[450]
remisum_NC_NR1	CAAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTA	[450]
remisum_NC_NR3	CAAAGAATTTCGATTTACTTGTTTACGATYTGCAACTATCATTGGTATTTA	[450]
'snowi_AL_BC_4+6'	CACAGAATTTCGATATACTTGTGTACGATTTGCACCTATCACTGGTATATG	[450]
snowi_TN_CC	CAAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
'snowi_AL_BC_4+4'	CAAAAAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
taxodium_GA_CC2	CAAAGAATTTCGATTTACTTGTTTACAATTTGCAACTATCATTGGTATTTG	[450]
taxodium_FL_CR	CAAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
underhilli_AL_HC3	CCAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
underhilli_GA_FR	CCAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]
underhilli_GA_FS	CCAAGAATTTCGATTTACTTGTTTACGATTTGCAACTATCATTGGTATTTG	[450]

tuberosum	AAGCAGTACCTGGAATTCAACTCACCGATTGCGACCTACACGTGGAGCTT	[500]
verecundum	AAGCAGTACCTGCAGTTTGACWCACCGATTGCGACGTACACGTGGAGCTT	[337]
decimatum	AAGCAGTACCTGGAATTCAACATACCGATTGCGACTTACACGTGGAGCTT	[500]
apricarium	AAGCAGTACCTGGAATTCAACAACCGATTGCGACTTACACGTGGAGTTT	[500]
reptans	AAGCAGTACCTGGAATTCAACACACCGATTGCGACTTACACGTGGAGCTT	[500]
anchist_AL_HC	AAGCAGTACCTGGAATTCAACACACCGATTGCGACTTATACGTGGAGCTT	[500]
anchist_DE_DR	AAGCAGTACCTGGAATTCAASACACCGATTGCGACTTATACGTGGAGCTT	[500]
anchist_ME_AR	AAGCAGTACCTGGAATTCAACWCACCGATTGCGACTTATACGTGGAGCTT	[500]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
anchist_NC_NR	AAGCAGTACCTGGAATTCAACACACCGATTGCGACTTATACGTGGAGCTT	[500]
anchist_ME_KR	AAGCAGTACCTGGAATTCAACACACCGATTGCGACTTATACGTGGAGCTT	[500]
aranti_GA_FS	AAGCAGTACCTGGAATTCAACATACCGATTGCGACTTACACGTGGAGCTT	[500]
aranti_GA_AS	AAGCAGTACCTGGAATTCAACATACCGATTGCGACTTACACGTGGAGCTT	[500]
aranti_AL_HC	AAGCAGTACCTGGAATTCAACATACCGATTGCGACTTACACGTGGAGCTT	[500]
aranti_SC_LR	AAGCAGTACCTGGAATTCAACATACCGATTGCGACTTACACGTGGAGCTT	[500]
chlorum_NC_GC3	AAGCAGTACCTGGAATTCAACATACCGATTGCGACTTACACGTGGAGCTT	[500]
chlorum_NC_GC1	AAGCAGTACCTGGAATTCAACAYACCAATTGCGACTTACACGTGGAGCTT	[500]
chlorum_NC_GC4	AAGCAGTACCTGGAATTCAACATACCGATTGCGACATACACGTGGAGCTT	[500]
confusum_TN_LR	AAGCAGTACCTGGAATTCARCATAACCGATTGCGACTTAYACGTGGAGCTT	[500]
confusum_GA_GC	AAGCAATACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
confusum_GA_EC	AAGCAGTTCCTGGAATTCAACATACCAATTGCGACTTACACGTGGAGCTT	[500]
confusum_TX_SJR	AAGCASTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
confusum_TX_SR	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
confusum_TX_Bayou	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
definitum_PA_LC	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
definitum_SC_GC	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
dixiense_GA_WC	AAGCAGTACCTGGAATTCATACACCAATTGCGACTTATTCGTGGAGCTT	[500]
dixiense_SC_LBC	AAGCAGTACCTGGAATTCATACACCRATTGCGACTTATTCGTGGAGCTT	[500]
dixiense_NC_QC	AAGCAGTACCTGGAATTCATACACCGATTGCGACTTATTCGTGGAGCTT	[500]
dixiense_FL_CC	AAGCAGTACCTGGAATTCATACACCRATTGCGACTTATTCGTGGAGCTT	[500]
fibrinflatum_PA_DR	AAGCAGTACCTGGAATTCAGCACACCGATTGCGACTTATACGTGGAGCTT	[500]
fibrinflatum_ME_AR	AAGCAGTACCTGGAATTCARCACACCGATTGCGACTTATACGTGGAGCTT	[500]
fibrinflatum_GA_FR	AAGCAGTACCTGGAATTCACACGCCGATTGCGACTTATACGTGGAGCTT	[500]
haysi_AL_BCC3	AAGCAGTACCTGGAATTCAGCATACCAATTGCAACTTACACGTGGAGCTT	[500]
haysi_TX_SJR	AAGCAGTACCTGGAATTCAGCATACCAATTGCAACTTACACGTGGAGCTT	[500]
infenestrum_NC_RR	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTATGCGTGGAGTTT	[500]
infenestrum_SC_RBC	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTATGCGTGGAGTTT	[500]
jenningsi_TN_PR	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTACACGTGGAGCTT	[500]
jenningsi_NC_ER	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTACACGTGGAGCTT	[500]
jenningsi_SC_FC	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTACACGTGGAGCTT	[500]
jenningsi_PA_BR	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTACACGTGGAGCTT	[500]
jenningsi_GA_AR	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTACACGTGGAGCTT	[500]
jonesi_FL_CC1	AAGCAGTACCTGGAATTCAGCATCCCCGATTGGGACGTACACGTGGAGCTT	[500]
jonesi_AL_BCC	AAGCAGTACCTGGAATTCAGCAYACCGATTGCGACTTACACGTGGAGCTT	[500]
jonesi_NC_CC	AAGCAGTACCTGGAATTCAGCATACCGATTTCGACTTACACGTGGAGCTT	[500]

jonesi_NC_QC	AAGCAGTACCTGGAATTCAGCATACCGATTTGCGACTTACACGTGGAGCTT	[500]
jonesi_GA_WC	AAACAGTACCTGGAATTCACACACCGATTGCGACTTACACGTGGAGCTT	[500]
krebsorum_NC_MC	AAGCAGTACCTGGAATTCAGCATACCGGTTGCGACTTACACGTGGAGCTT	[500]
krebsorum_SC_CC2	AAGCAGTACCTGGAATTCAGCATACCGGTTGCGACTTACACGTGGAGCTT	[500]
lakei_PA_NC	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACWTACACGTGGAGCTT	[500]
lakei_SC_BR	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
lakei_FL_CR	AAGCAGTACCTGGAATTCARTATACCGATTGCGACTTACACGTGGAGCTT	[500]
lakei-Taunt_8_MA_TR	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
lakei-Taunt_9_MA_TR	AAGCAGTACCTGGAATTCACACACCAATTGCGACTTACACGTGGAGCTT	[500]
luggeri_NWT	AAGCAGTACCTGGAATTCAGCATACCGATTGCAACTTACACGTGGAGCTT	[500]
luggeri_NE_FR	AAGCAGTACCTGGAATTCAGCATACCGATTGCAACTTACACGTGGAGCTT	[500]
luggeri_NC_HR	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
luggeri_KY_GR3	AAGCAGTACCTGGAATTCAGCATACCGATTGCAACTTACACGTGGAGCTT	[500]
'notiale AL BC5+6'	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTATACGTGGAGCTT	[500]
notiale_VA_RR	AAGCAGTACCTGGAATTCAGCACACCGATTGCGACTTATACGTGGAGCTT	[500]
notiale_TN_CC	AAGCAGTACCTGGAATTCAGCACACCGATTGCGACTTATACGTGGAGCTT	[500]
notiale_SC_RBC	AAGCAGTACCTGGAATTCACACACCGATTGYGACTTATACGTGGAGCTT	[500]
'notiale AL BC6+6'	AAGCAGTACCTGGAATTCAGCACACCGATTGCGACTTATACGTGGAGCTT	[500]
nyssa_AL_BC	AAGCAGTACCTGGAATTCATACACCGATTGCGACTTATACGTGGAGCTT	[500]
nyssa_ME_AR	AAGCAGTACCTGGAATTCACACACCGAATGCGACTTATACGTGGAGCTT	[500]
nyssa_VA_RR	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTATACGTGGAGCTT	[500]
nyssa_ME_PR	AAGCAGTACCTGGAATTYAACACACCGATTGCGACTTATACGTGGAGCTT	[500]
nyssa_NC_TR	AAGCASTACCTGGAATTCAGCACACCGATTGCGACTTATACGTGGAGCTT	[500]
ozarkense_MO_GR2	AAGCAGTACCTRGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
ozarkense_MO_GR1	AAGCAGTACCTGGAATTCAGCATACCGATTGCGACTTACACGTGGAGCTT	[500]
penobsco_ME_PR1	AAGCAGTACCTGGAATTCAGCACACCGATTGCGACTTACACGTGGAGCTT	[500]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
penobsco_ME_PR2	AAACAGTACCTGGAATTCAGCACACCGATTGCGACTTACACGTGGAGCTT	[500]
podostemi_NC_TR	AAGCAGTACCTGGAATTCACCACACCGATTGCGACTTATACGTGGAGCTT	[500]
podostemi_GA_AS	AAGCAGTACCTGGAATTCACCACACCGATTGCGACTTATACGTGGAGCTT	[500]
podostemi_MS_BC	AAGCAGTACCTGGAATTCACCACACCGATTGCGACTTATACGTGGAGCTT	[500]
podostemi_GA_CR	AAGCAGTACCTGGAATTCACCACACCGATTGCGACTTATACGTGGAGCTT	[500]
remissum_NC_NR2	AAGCAGTACYTGAATTCACACACCGATTGCGACTTACAYTGAGCTT	[500]
remissum_NC_NR1	AAGCAGTACCTGGAATTCACACACCGATTGCGACTTACACGTGGAGCTT	[500]
remissum_NC_NR3	AAGCAGTACCTGGAATTCACACACCGATTGCSACKTACACGTGGAGCTT	[500]
'snowi AL BC 4+6'	AAGCACTACCTGGAATTCAGCACACCGATTGYGACTTATACGTGGAGCTT	[500]
snowi_TN_CC	AAGCAGTACCTGGAATTCAGCACACCGATTGCGACTTATACGTGGAGCTT	[500]
'snowi AL BC 4+4'	AAGCAGTACCTGGAATTCAGCACACCGATTGCGACTTATACGTGGAGCTT	[500]
taxodium_GA_CC2	AAGCAGTACCTGGAATTCAGYAYACCGATTGCGACTTACACGTGGAGCTT	[500]
taxodium_FL_CR	AAGCASTACCTGGAATTCAGCAYACCGATTGCGAYTTACACGTGGAGCTT	[500]
underhilli_AL_HC3	AAGCAGTACCTGGAATTCACACRCCGATTGCGACTTATACGTGGAGCTT	[500]
underhilli_GA_FR	AAGCAGTACCTGGAATTCAGCACACCGATTGCGACTTATACGTGGAGCTT	[500]
underhilli_GA_FS	AAGCAGTACCTGGAATTCARCACRCCGATTGCGACTTATACGTGGAGCTT	[500]
tuberosum	TGCGAATGGAAAACCTTTTGACATTTTACTGGTCGATGGGGAGCTTCAAT	[550]
verecundum	TGCAAATGGAAAACCTATTGCACATTTTGCTGGCCGACGGAACCTTCCACT	[387]
decimatum	TGCAAACGGAAAACCTTTGCACATTTTGCTGGCCGATGGAACGCTTCCAGT	[550]
apricarium	TGCGAACGGAAAACCTTTGCACATTTTGCTGGCCGACGGAACACTCCAGT	[550]
reptans	TGCGAACGGAAAACCTTTGCACATTTTGCTGGAGGACGGAACGCTTCCAGT	[550]
anchist_AL_HC	TGCGAACGGGAAGCTCTTGCAATTTTGCTCGCCGACGGAACGTTCCAGT	[550]
anchist_DE_DR	TGCGAACGSGAAGCTCTTGCAATTTTGCTCGCCGACGGAACGTTCCAGT	[550]
anchist_ME_AR	TGCGAACGGGAAGCTCTTGCAATTTTGCTCGCCGACGGAACGTTCCAGT	[550]
anchist_NC_NR	TGCGAACGGGAAGCTCTTGCAATTTTGCTCGCCGACGGAACGTTCCAGT	[550]
anchist_ME_KR	TGCGAACGGGAAGCTCTTGCAATTTTGCTCGCCGACGGAACGTTCCAGT	[550]
aranti_GA_FS	TGCAAACGGAAAACCTTTGCATATTTTACTGGCCGACGGAACATTTCCAGT	[550]
aranti_GA_AS	TGCAAACGGAAAACCTTTGCATATTTTACTGGCCGACGGAACATTTCCAGT	[550]
aranti_AL_HC	TGCAAACGGAAAACCTTTGCATATTTTACTGGCCGACGGAACATTTCCAGT	[550]
aranti_SC_LR	TGCAAACGGAAAACCTTTGCATATTTTACTGGCCGACGGAACATTTCCAGT	[550]
chlorum_NC_GC3	TGCAAACGGGAAGCTCTTGCAATTTTGCTGGCTGACGGAACATTCCAGT	[550]
chlorum_NC_GC1	TGCAAACGGGAAGCTCTTGCAATTTTTRCTGGCYGACGGAACATTCCAGT	[550]
chlorum_NC_GC4	TGCAAACGGGAAGCTCTTGCAATTTTACTGGCCGACGGAACATTCCAGT	[550]
confusum_TN_LR	TGCAAACGGGAAGCTCTTGCAATTTTTRCTSGCYGACGGAACRTTCCAGT	[550]
confusum_GA_GC	TTCAAACGGGAAGCTCTTGCAATTTTACTGGCCGACGGAACATTTCCAGT	[550]
confusum_GA_EC	TGCGAACGGGAACCTCTTGCAATTTTTRCTGGCCGACGGAACATTCCAGT	[550]

confusum_TX_SJR	TGCAAACGGAAAACCTCTTGCATATTTTACTGGCCGACGGAACATTCCAST	[550]
confusum_TX_SR	TGCGAACCGGAAAACCTCTTGCATATTTTGTCTGCCGACGGAACATTCCAGT	[550]
confusum_TX_Bayou	TGCAAACGGGAAGCTCTTGCATATTTTTRCTGGCCGACGGAACRTTCCAGT	[550]
definitum_PA_LC	TGCGAACCGGAAAACCTCTTGCATATTTTACTGGCCGACGGAACATTCCAGT	[550]
definitum_SC_GC	TGCGAACCGGAAAACCTCTTGCATATTTTACTGGCCGACGGAACATTCCAGT	[550]
dixiense_GA_WC	TGCAAACCGGAAAACCTCTTGCATATTTTGTCTGGCTGACGGAACATTCCAGT	[550]
dixiense_SC_LBC	TGCAAACCGGAAAACCTCTTGCATATTTTGTCTGGCTGACGGAACATTCCAST	[550]
dixiense_NC_QC	TGCAAACCGGAAAACCTCTTGCATATTTTGTCTGGCTGACGGAACATTCCAGT	[550]
dixiense_FL_CC	TGCAAACCGGAAAACCTCTTGCATATTTTGTCTGGCTGACGGAACATTCCAGT	[550]
fibrinflatum_PA_DR	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
fibrinflatum_ME_AR	TGCGAAYGGGAAGCTCTTGCATATTTTGTCTACCGAYGGAACATTCCAGT	[550]
fibrinflatum_GA_FR	TGCGAACCGGGAAGCTCTTGCATATTTCTGCTAACCGACGGAACATTCCAGT	[550]
haysi_AL_BCC3	TGCGAATGGAAAACCTCTTGCATATTTTGTCTGGCCGATGGAACATTCCAGT	[550]
haysi_TX_SJR	TGCGAATGGAAAACCTCTTGCATATTTTGTCTGGCCGATGGAACATTCCAGT	[550]
infenestrum_NC_RR	TGCGAACCGGGAAGCTCTTGCATATTTTACTGGCCGACGGAACATTCCAGT	[550]
infenestrum_SC_RBC	TGCGAACCGGGAAGCTCTTGCATATTTTACTGGCCGACGGAACATTCCAGT	[550]
jenningsi_TN_PR	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
jenningsi_NC_ER	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
jenningsi_SC_FC	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
jenningsi_PA_BR	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTGGCCGACGGAAYATTCCAGT	[550]
jenningsi_GA_AR	TGCGAACCGGGAAGMTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
jonesi_FL_CC1	TGCAAACCGGGAAGCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
jonesi_AL_BCC	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTSGCCGAYGGAACATTCCAGT	[550]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
jonesi_NC_CC	TGCGAACCGGAAAACCTYTTGCATATTTTTRCTGGCCGACGGAACATTCCAGT	[550]
jonesi_NC_QC	TGCGAACCGGRAARCTCTTGCATATTTTTRCTGGCCGATGGAACATTCCAGT	[550]
jonesi_GA_WC	TGCGAACCGGAAAACCTCTTGCATATTTTACTGGCCGACGGAACATTCCAGT	[550]
krebsorum_NC_MC	TGCCAACCGGGAAGCTCTTGCATATTTTGTCTCGCTGATGGAACATTCCAGT	[550]
krebsorum_SC_CC2	TGCCAACCGGGAAGCTCTTGCATATTTTGTCTCGCTGATGGAACATTCCAGT	[550]
lakei_PA_NC	TTCAAACCGGGAAGCTCTTGCATATTTTTRCTGGCCGACGGAACATTCCAGT	[550]
lakei_SC_BR	TGCAAACCGGGAAGCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
lakei_FL_CR	TGCRAACCGGGAARCTCTTGCATATTTTGTCTSGCCGACGGAACATTCCAGT	[550]
lakei-Taunt_8_MA_TR	TGCGAACCGGGAAGCTCTTGCATATTTTACTGGSCGACGGAACATTCCAGT	[550]
lakei-Taunt_9_MA_TR	TGCAAACCGGGAAGCTCTTGCATATTTTACTGGCCGACGGAACATTCCAGT	[550]
luggeri_NWT	TGCAAACCGGAAAACCTCTTGCATATTTTGTCTGGCTGACGGAACATTCCAGT	[550]
luggeri_NE_FR	TGCAAACCGGAAAACCTCTTGCATATTTTGTCTGGCTGACGGAACATTCCAGT	[550]
luggeri_NC_HR	TGCAAACCGGAAAACCTCTTGCATATTTTGTCTGGCTGACGGAACATTCCAGT	[550]
luggeri_KY_GR3	TGCAAACCGGAAAACCTCTTGCATATTTTGTCTGGTTGACGGAACATTCCAGT	[550]
'notiale AL BC5+6'	TGGGAACCGGGAAGCTCTTGCATATTTTGTCTACCAACGGAACATTCCAGT	[550]
notiale_VA_RR	TGCGAATGGGAAGCTCTTGCATATTTCTGCTCACCAGCAGGAACATTCCAGT	[550]
notiale_TN_CC	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTCACCAGCAGGAACATTCCAGT	[550]
notiale_SC_RBC	YGCGAACCGGGAAGCTCTTGCATATTTTGTCTCACCAGCAGGAACATTCCAGT	[550]
'notiale AL BC6+6'	TGCGAATGGGAAGCTCTTGCATATTTTGTCTCACCAGCAGGAACATTCCAGT	[550]
nyssa_AL_BC	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTCGCCGACGGAACGTTCCAGT	[550]
nyssa_ME_AR	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTCGCCGACGGAACGTTCCAGT	[550]
nyssa_VA_RR	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTCGCCGACGGAACGTTCCAGT	[550]
nyssa_ME_PR	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTCGCCGACGGAACGTTCCAGT	[550]
nyssa_NC_TR	TGCGAACCGGGAAGCTCTTGCATATTTTGTCTCKCCGACGGAAYGTTCCAST	[550]
ozarkense_MO_GR2	TGCAAACCGGGAAGCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
ozarkense_MO_GR1	TACAAGCGGAAAAGCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
penobsco_ME_PR1	TGCAAACCGGAAAACCTCTTGCATATTTTACTGGCTGACGGAACATTCCAGT	[550]
penobsco_ME_PR2	TTCAAACCGGAAAACCTCTTGCATATTTTACTGGCTGACGGAACATTCCAGT	[550]
podostemi_NC_TR	TGCGAACCGGAAAACCTCTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
podostemi_GA_AS	TGCGAACCGGAAAACCTCTTGCATATTTTGTCTGGCCGACGGATCATTCCAGT	[550]
podostemi_MS_BC	TGCGAACCGGAAAACCTCTTGCATATTTTGTCTGGCCGACGGATCATTCCAGT	[550]
podostemi_GA_CR	TGCGAACCGGAAAACCTCTTGCATATTTTGTCTGGCCGACGGATCATTCCAGT	[550]
remissum_NC_NR2	TGCAAACCGGAAAACCTCTTGCATATTTTACTGGCTGACGGAACATTCCAGT	[550]
remissum_NC_NR1	TGCAAACCGGAAAACCTCTTGCATATTTTACTGGCTGACGGAACATTCCAGT	[550]
remissum_NC_NR3	TGCAAACCGGAAAACCTCTTGCATATTTTACTGGCTGACGGAACATTCCAGT	[550]
'snowi AL BC 4+6'	TGCGAATGGGAAGCTCTTGCATATTTTGTCTWCCGACGGAACATTCCAGT	[550]
snowi_TN_CC	TGCGAATGGGAAGCTCTTGCATATTTTGTCTCACCAGCAGGAACATTCCAGT	[550]
'snowi AL BC 4+4'	TGCGAACCGGGAAGCTTTTGCATATTTTGTCTGGCCGACGGAACATTCCAGT	[550]
taxodium_GA_CC2	TGCAAACCGGGAAGCTCTTGCATATTTTTRCTGGCCGACGGAACATTCCAGT	[550]
taxodium_FL_CR	TGCRAAYGGAAAACCTCTTGCATATTTTTRCTSGCCGACGGAACATTCCAGT	[550]
underhilli_AL_HC3	YGCGAACCGGGAAGCTCTTGCATATTTTGTCTMACCGACGGAACATTCCAGT	[550]
underhilli_GA_FR	TGCGAATGGGAAGCTCTTGCATATTTTGTCTGACCAGCAGGAACATTCCAGT	[550]

underhilli_GA_FS TGCGAAYGGGAAGCTYTTGCATATTTTGCTMACCGACGGAACATTCCAGT [550]

tuberosum CCATAAAGTGGGAATTGGACGTGAATCGGTCGTGGGGATACACAGAGACT [600]
 verecundum CCGTGAAAGTGGGAATTAGAGGTGAATCGGTCGTGGGGATACACAGCTACT [437]
 decimatum CCATAAAGTGGGAATTGGATGTGAATCGTTCGAGCGGATTTACAGCAATT [600]
 apricarium CCATAAAGTGGGAATTGGATGTGAATCGATCGTGGGGATACACAGCGACT [600]
 reptans CCATAAAGTGGGAATTGGATGTGAATCGAACGTGGGGATACACAGTGATT [600]
 anchist_AL_HC CTATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 anchist_DE_DR CTATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 anchist_ME_AR CTATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 anchist_NC_NR CTATAAAGTGGGAATTGGATGTAAAYCGGTCGTGGGGATACACAGCCACT [600]
 anchist_ME_KR CTATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 aranti_GA_FS CCATAAAGTGGGAATCGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 aranti_GA_AS CCATAAAGTGGGAATCGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 aranti_AL_HC CCATAAAGTGGGAATCGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 aranti_SC_LR CCATAAAGTGGGAATCGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 chlorum_NC_GC3 CCATAAAGTGGGAATCGGATGTAAATCGGTCGTGGGGATACACAGCCACT [600]
 chlorum_NC_GC1 CCATAAAGTGGGAATTGGACRTTAAYCGATCGTGGGGATACACAGCCATT [600]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
chlorum_NC_GC4	CCATAAAGTGGGAATTGGATGTAAATMGGTCGTGGGGATACACAGCCACT	[600]
confusum_TN_LR	CCATAAARTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCATT	[600]
confusum_GA_GC	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACY	[600]
confusum_GA_EC	CCATTAAGTGGGAATTGGATGTAAATCGATCGTGGGGATACACAGCCACT	[600]
confusum_TX_SJR	CCATAAAGTGGGAATTGGATRTCAATCGGTCGTKGGGATACACASCCACT	[600]
confusum_TX_SR	CCATAAAGTGGGAATTGGATGTCAATCGGTCGTGGGGATACACAGCCACT	[600]
confusum_TX_Bayou	CCATAAAGTGGGAATTGGACGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
definitum_PA_LC	CCATAAAGTGGGAATCGGATGTAAATCGATCGTGGGGTTACACAGCCACT	[600]
definitum_SC_GC	CCATAAAGTGGGAATCGGATGTAAATCGGTCGTGGGGTTACACAGCCACT	[600]
dixiense_GA_WC	CTATAAAGTGGGAATGGATGTAAATCGATCCTGTGGATACACAGTGATT	[600]
dixiense_SC_LBC	CTATAAAGTGGGAATGGATGTAAATCGATCCTGTGGATACACAGTGATT	[600]
dixiense_NC_QC	CTATAAAGTGGGAATGGATGTAAATCGATCCTGTGGATACACAGTGATT	[600]
dixiense_FL_CC	CTATAAAGTGGGAATGGATGTAAATCGATCCTGTGGATACACAGTGATT	[600]
fibrinflatum_PA_DR	CCATAAAGTGGGAATTGGAYGTAAATCGGTCGTGGGGWTACACAGCCACT	[600]
fibrinflatum_ME_AR	CCAYAAAGTGGGAATTGGACGTAAACCGCTCGTGGGGATACACAGCCAYT	[600]
fibrinflatum_GA_FR	CCACAAAGTGGGAATCGGACGTAAACCGCTCGTGGGGATACACAGCCACT	[600]
haysi_AL_BCC3	CCATAAAATGGGAATCGGACGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
haysi_TX_SJR	CCATAAAATGGGAATCGGACGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
infenestrum_NC_RR	CCATAAAGTGGGAATYGGAYGTAAAYCGGTCGTGGGGATACACAGCYACT	[600]
infenestrum_SC_RBC	CCATAAAGTGGGAATTGGAYGTAAATCGGTCGTGGGGATACACAGTACT	[600]
jenningsi_TN_PR	CCATAAAGTGGGAATTAGATGTAAATCGGTCGTGGGGATACACAGTCACT	[600]
jenningsi_NC_ER	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGTCACT	[600]
jenningsi_SC_FC	CCATAAAGTGGGAATTGGATRTAAATCGGTCGTGGGGATACACAGTCACT	[600]
jenningsi_PA_BR	CCATAAAGTGGGAATTGGATGTAAATCGGTCATGGGGATACACAGTCACT	[600]
jenningsi_GA_AR	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGTCACT	[600]
jonesi_FL_CC1	CCATAAAGTGGGAATTGGATGTCAATCGTTCGTGGGGATACACAGCCATT	[600]
jonesi_AL_BCC	CCATAAAGTGGGAATTGGAYGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
jonesi_NC_CC	CCATAAAGTGGGAATTGGACGTAAAYCGGTCGTGGGGATACACAGCCACT	[600]
jonesi_NC_QC	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACK	[600]
jonesi_GA_WC	CCATAAAGTGGGAATTGGACGTAAACCGGTCGTGGGGATACACAGCCACT	[600]
krebsorum_NC_MC	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCATC	[600]
krebsorum_SC_CC2	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCATC	[600]
lakei_PA_NC	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
lakei_SC_BR	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
lakei_FL_CR	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACARCCACT	[600]
lakei-Taunt_8_MA_TR	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
lakei-Taunt_9_MA_TR	CCATTAAGTGGGAATTGGACATTAACCGATCGTGGGGWTACACAGCCATT	[600]
luggeri_NWT	CCATAAAGTGGGAATTGGACGTAAATCGGTCGTGGGGATACACAGCAACT	[600]
luggeri_NE_FR	CCATAAAGTGGGAATTGGACGTAAATCGGTCGTGGGGATACACAGCAACT	[600]
luggeri_NC_HR	CCATAAAGTGGGAATTGGACGTAAATCGGTCGTGGGGATACACAGCAACT	[600]
luggeri_KY_GR3	CCATAAAGTGGGAATTGGACGTAAATCGGTCGTGGGGATACACAGCAACT	[600]
'notiale_AL_BC5+6'	CCATAAAGTGGGAATTGGACGTAAACCGCTCGTGGGGTTACCCAGCCATT	[600]
notiale_VA_RR	CCATAAAGTGGGAATTGGACGTAAACCGCTCGTGGGGTTACACAGCCATT	[600]
notiale_TN_CC	CCATAAAGTGGGAATTGGACGTAAACCGCTCGTGGGGATACACAGCCACT	[600]
notiale_SC_RBC	CYATAAARTGGGAATTGGACGTAAACCGCTCGTGGGGTTACACAGCCAYT	[600]

'notiale AL BC6+6'	CCATAAAGTGGGAATTGGACGTTAACCGCTCGTGGGGTTACACAGCCATT	[600]
nyssa_AL_BC	CTATAAAATGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
nyssa_ME_AR	CTATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCYACT	[600]
nyssa_VA_RR	CTATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
nyssa_ME_PR	CTATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATAYACAGCYACT	[600]
nyssa_NC_TR	CTATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
ozarkense_MO_GR2	CCATAAAGTGGGAATTGGACGTTAACCGGTCGTGGGGATACACAGCCACT	[600]
ozarkense_MO_GR1	CCATAAAGTGGGAATTGGACGTTAATCGGTCGTGGGGATACACAGCCACT	[600]
penobsco_ME_PR1	CCATAAAGTGGGAATTGGACGTTAACCGGTCGTGGGGATACACAGCCACT	[600]
penobsco_ME_PR2	CCATCAAGTGGGAATTGGACGTTAACCGGTCGTGGGGATACACAGCCACT	[600]
podostemi_NC_TR	CAATAAAATGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCATT	[600]
podostemi_GA_AS	CCATAAAATGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCATT	[600]
podostemi_MS_BC	CCATAAAATGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCATT	[600]
podostemi_GA_CR	CCATAAAATGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCATT	[600]
remissum_NC_NR2	CCATAAAATGGGAATTGGACGTTAACCGGTCGTGGGGATACACAGCCACT	[600]
remissum_NC_NR1	CCATAAAATGGGAATTGGACGTTAACCGGTCGTGGGGATACACAGCCACT	[600]
remissum_NC_NR3	CCATAAAGTGGGAATGGACGTTAACCGGTCGTGGGGATACACAGCCACT	[600]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
'snowi AL BC 4+6'	CCATAAAGTGGGAATTGGACGTTAACCGCTCGTGGGGTTACACAGCCATT	[600]
snowi_TN_CC	CCATAAAGTGGGAATTGGACGTTAACCGCTCGTGGGGTTACACAGCCATT	[600]
'snowi AL BC 4+4'	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
taxodium_GA_CC2	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
taxodium_FL_CR	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
underhilli_AL_HC3	CCATAAAGTGGGAATTGGACGTTAACCGCTCGTGGGGATACACAGCCACT	[600]
underhilli_GA_FR	CCATAAAGTGGGAATTGGATGTAAATCGGTCGTGGGGATACACAGCCACT	[600]
underhilli_GA_FS	CCAYAAAGTGGGAATYGGACGTTAACCGCTYGTGGGGDTACACAGCCMYT	[600]
tuberosum	GACGAAGGTGTGGTGGCAGTAATTGACGGTTCAGACGTTTTGCTGACCAA	[650]
verecundum	GACGAAGGTGTGGTAGCAGTCATAGACGGGTCGACGTACTGCTGACCAA	[487]
decimatum	GACGAAGCTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGCTGACAAA	[650]
apricarium	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGCTGACCAA	[650]
reptans	GACGAAGGTGTTGTTGCAGTCATTGACGGTGCTGACGTYCTGCTGACCAA	[650]
anchist_AL_HC	GACGAAGGTGTTGTTGCGGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
anchist_DE_DR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
anchist_ME_AR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
anchist_NC_NR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
anchist_ME_KR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
aranti_GA_FS	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTTTGTTGACTAA	[650]
aranti_GA_AS	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTTTGTTGACTAA	[650]
aranti_AL_HC	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTTTGTTGACTAA	[650]
aranti_SC_LR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTTTGTTGACTAA	[650]
chlorum_NC_GC3	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGCTGACCAA	[650]
chlorum_NC_GC1	GACGAAGGTGTYGTTGCAGTTATTGACGGTTCGACGTTCTGCTGACCAA	[650]
chlorum_NC_GC4	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGTTGACCAA	[650]
confusum_TN_LR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGTTGWCCAA	[650]
confusum_GA_GC	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGTTGACCAA	[650]
confusum_GA_EC	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACRTTCTGCTGACCAA	[650]
confusum_TX_SJR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGTTGACCAA	[650]
confusum_TX_SR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGTTGACCAA	[650]
confusum_TX_Bayou	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTGCTGACCAA	[650]
definitum_PA_LC	GACGAAGGTGTTGTTGCAGTTATTGACGGCTCCGACGTTCTGTTGACCAA	[650]
definitum_SC_GC	GACGAAGGTGTTGTTGCAGTTATTGACGGCTCCGACGTTCTGTTGACCAA	[650]
dixiense_GA_WC	GACGAAGGCGTTGTTGCAGTTATTGACRGTTCTGACGTTCTGCTGACCAA	[650]
dixiense_SC_LBC	GACGAAGGCGTTGTTGCAGTTATTGACGGTTCGACGTTCTGCTGACCAA	[650]
dixiense_NC_QC	GACGAAGGCGTTGTTGCAGTTATTGACGGTTCGACGTTCTGCTGACCAA	[650]
dixiense_FL_CC	GACGAAGGCGTTGTTGCAGTTATTGACGGTTCGACGTTCTGCTGACCAA	[650]
fibrinflatum_PA_DR	GACGAAGGTGTTGTTGCAGTTATTGAYGGTTCTGACGTTCTGTTGACCAA	[650]
fibrinflatum_ME_AR	GACGAAGGYGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
fibrinflatum_GA_FR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
haysi_AL_BCC3	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTCTTGACCAA	[650]
haysi_TX_SJR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCGACGTTCTCTTGACCAA	[650]
infenestrum_NC_RR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACRTTCTGTTGACCAA	[650]
infenestrum_SC_RBC	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
jenningsi_TN_PR	GACGAAGGTGTAATTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]

jenningsi_NC_ER	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
jenningsi_SC_FC	GACGAAGGTGTAGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
jenningsi_PA_BR	GACGAAGGTGTAATTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
jenningsi_GA_AR	GACGAAGGTGTAATTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
jonesi_FL_CC1	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCCGACGTTCTGTTGACCAA	[650]
jonesi_AL_BCC	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCCGACGTTCTGCTAACCAA	[650]
jonesi_NC_CC	GACGAAGGTRTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
jonesi_NC_QC	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
jonesi_GA_WC	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
krebsorum_NC_MC	GACGAAGGTGTTGTTGCAGTTATTGACGGTTTTGACGTTCTGTTGACCAA	[650]
krebsorum_SC_CC2	GACGAAGGTGTTGTTGCAGTTATTGACGGTTTTGACGTTCTGTTGACCAA	[650]
lakei_PA_NC	GACGAAGGTGTTGTTGCAGTWATTGACGGTTCTGAYGTTCTGTTGACCAA	[650]
lakei_SC_BR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACRTTCTGTTGACCAA	[650]
lakei_FL_CR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
lakei-Taunt_8_MA_TR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
lakei-Taunt_9_MA_TR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
luggeri_NWT	GATGAAGGTGTTGTTGCAGTTATTGACGGTTCCGATGTTCTGTTGACCAA	[650]
luggeri_NE_FR	GATGAAGGTGTTGTTGCAGTTATTGACGGTTCCGATGTTCTGTTGACCAA	[650]
luggeri_NC_HR	GATGAAGGTGTTGTTGCAGTTATTGACGGTTCCGATGTTCTGTTGACCAA	[650]
luggeri_KY_GR3	GATGAAGGTGTTGTTGCAGTCATTGACGGTTCTGATGTTCTGTTGACCAA	[650]
'notiale_AL BC5+6'	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
notiale_VA_RR	GACGAAGGTGTTGTTGCAGTTATTGATGGGTTCTGACGTTCTGTTGACCAA	[650]
notiale_TN_CC	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
notiale_SC_RBC	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
'notiale_AL BC6+6'	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
nyssa_AL_BC	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
nyssa_ME_AR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
nyssa_VA_RR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTTRACCAA	[650]
nyssa_ME_PR	GAYGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTTRACCAA	[650]
nyssa_NC_TR	GACGAAGGTGYTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTAACCAA	[650]
ozarkense_MO_GR2	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGCTGACCAA	[650]
ozarkense_MO_GR1	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
penobsco_ME_PR1	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
penobsco_ME_PR2	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
podostemi_NC_TR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTAATGTTCTGTTGACCAA	[650]
podostemi_GA_AS	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTAATGTTCTGTTGACCAA	[650]
podostemi_MS_BC	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTAATGTTCTGTTGACCAA	[650]
podostemi_GA_CR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTAATGTTCTGTTGACCAA	[650]
remissum_NC_NR2	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
remissum_NC_NR1	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
remissum_NC_NR3	GACGAAGGTGTTGTTGCAGTTATWGATGGTTCTGACATTYTGTTGACCAA	[650]
'snowi_AL BC 4+6'	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
snowi_TN_CC	GACGAAGGTGTTGTTGCARTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
'snowi_AL BC 4+4'	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGTTGACCAA	[650]
taxodium_GA_CC2	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
taxodium_FL_CR	GACGAAGGTGTTGTTGCAGTTATTGACGGTTCTGACGTTCTGTTGACCAA	[650]
underhilli_AL_HC3	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGACGTTCTGCTGACCAA	[650]
underhilli_GA_FR	GACGAAGGTGTTGTTGCAGTTATTGATGGTTCTGATGTTCTGTTGACCAA	[650]
underhilli_GA_FS	GACGAAGGKTGTTGTTGCAGTTATTGAYGGTTYTGACGTTYTGTTGACCAA	[650]
tuberosum	TTTCCGAGGYACAATCATACCGCCGCAATGTCCGGAGCACGCTGACCT	[700]
verecundum	TTTCCGCGGCACAATCATACCTCCGCCAATGTCCGGAGCACGCTGAAAT	[537]
decimatum	TTTCCGTGGTACTATCATACCTCCGCCAATGTCCGGAGCACGCTGACAT	[700]
apricarium	TTTTCGTGGTACAATCATACCGCCGCAATGTCCGGAGCACGCTGACAT	[700]
reptans	TTTCCGTGGTACAATCATACCTCCGCCAATGTCTYGGAGCACGCTGACAT	[700]
anchist_AL_HC	TTTTCGCGGCACAATCATACCACCGCCAATGTGCGGAACACGCTTACAT	[700]
anchist_DE_DR	TTTTCGYGGCACAATCATACCACCGCCAATGTGCGGARCACGCTTACAT	[700]
anchist_ME_AR	TTTTCGCGGCACAATCATACCACCGCCAATGTGCGGAACACGCTTACAT	[700]
anchist_NC_NR	TTTTCGMGGCACAATCATACCACCGCCAATGTGCGGAACACGCTTACAT	[700]
anchist_ME_KR	TTTTCGTGGCACAATCATACCACCKCCAATGTGCGGAACACGCTTACAT	[700]
aranti_GA_FS	TTTTCGCGGCACAATCATACCACCAATGAGCGGATCACGCTGACAT	[700]
aranti_GA_AS	TTTTCGCGGCACAATCATACCACCAATGAGCGGATCACGCTGACAT	[700]
aranti_AL_HC	TTTTCGCGGCACAATCATACCACCAATGAGCGGAGCACGCTGACAT	[700]

aranti_SC_LR	TTTTCGCGGCACAATCATACCACCACCAATGAGCGGAGCACGTCTGACAT	[700]
chlorum_NC_GC3	TTTTCGYGGCACAATCATACCACCRCCAATGTGYGGAGCGCGGCTGACAT	[700]
chlorum_NC_GC1	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
chlorum_NC_GC4	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
confusum_TN_LR	TTWTGCGGGCACAATCATACCACCACCAATGTGTGGAGCGCGGCTGACAT	[700]
confusum_GA_GC	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGAGGCTGACAT	[700]
confusum_GA_EC	TTTTCGCGGCACAATCATACCACCRCCAATGTGCGGAGCGCGGCTGACAT	[700]
confusum_TX_SJR	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
confusum_TX_SR	TTTTCGCGGYACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
confusum_TX_Bayou	TTTTCGCGGCACAATCATACCACCACCAATGTGYGGAGCGCGGCTGACAT	[700]
definitum_PA_LC	TTTTCGCGGCACAATCATACCACCACCAATGTGTGGAGCGCGGCTGACAT	[700]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
definitum_SC_GC	TTTTCGCGGCACAATCATACCACCACCAATGTGTGGAGCGCGGCTGACAT	[700]
dixiense_GA_WC	TTTTCGCGGCACAATCATACCACCACCTATGTGCGGAGCGCGGCTGACAT	[700]
dixiense_SC_LBC	TTTTCGCGGCACAATCATACCACCACCTATGTGCGGAGCGCGGCTGACAT	[700]
dixiense_NC_QC	TTTTCGCGGCACAATCATACCACCACCTATGTGCGGAGCGCGGCTGACAT	[700]
dixiense_FL_CC	TTTTCGCGGCACAATCATACCACCACCTATGTGCGGAGCGCGGCTGACAT	[700]
fibrinflatum_PA_DR	TTTTCGCGGCACAATCATACCACCGCCAATGTGCGGAGCGCGGCTGACCA	[700]
fibrinflatum_ME_AR	TTTTCGCGGCACAATCATACCACCRCCAATGTGYGGAGCGCGGCTGACRT	[700]
fibrinflatum_GA_FR	TTTTCGCGGCACAATCATACCACCACCAATGTGYGGAGCGCGGCTGACMT	[700]
haysi_AL_BCC3	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACGT	[700]
haysi_TX_SJR	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACGT	[700]
infenestrum_NC_RR	TTTTCGMGGCACAATCATACCACCRCCAATGTGYGGAGCGCGGCTAGCAT	[700]
infenestrum_SC_RBC	TTTTCGCGGCACAATCATACCACCGCCAATGTGYGGAGCGCGGCTAGCAT	[700]
jenningsi_TN_PR	TTTTCGCGGCACAATCATACCACCGCCAATGTGCGGAGCGCGGCTRRCAT	[700]
jenningsi_NC_ER	TTTTCGCGGCACAATCATACCACCGCCAATGTGCGGAGCGCGGCTGGCAT	[700]
jenningsi_SC_FC	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
jenningsi_PA_BR	TTTTCGCGGCACAATCATACCACCACCAATGTGYGGAGCGCGGCTGGCAT	[700]
jenningsi_GA_AR	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGGCAT	[700]
jonesi_FL_CCI	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
jonesi_AL_BCC	TTTTCGCGGCACAATCATACCACCACCAATRTGCGGAGCGCGGCTKACAT	[700]
jonesi_NC_CC	TTTTCGCGGCACAATCATACCACCACCAATGTGNGGAGCGCGGCTGACAT	[700]
jonesi_NC_QC	TTTTCGCGGCACAATCATACCACCACCAATGTGYGGAGCRCGGCTGACAT	[700]
jonesi_GA_WC	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTAACAT	[700]
krebsorum_NC_MC	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAG	[700]
krebsorum_SC_CC2	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAG	[700]
lakei_PA_NC	TTTTCGCGGCACAATCATACCACCRCCAATGTGCGGAGCGCGGCTGACAT	[700]
lakei_SC_BR	TTTTCGCGGCACAATCATACCACCRCCAATGTGCGGAGCGCGGCTGACAT	[700]
lakei_FL_CR	TTTTCGCGGSACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
lakei-Taunt_8_MA_TR	TTTTCGCGGCACAATCATACCCCCACCAATGTGCGGAGCGCGGCTGACAT	[700]
lakei-Taunt_9_MA_TR	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
luggeri_NWT	TTTCCGTGGCACAATCATACCACCACCAATGTGCGGAACGCGGCTAACAT	[700]
luggeri_NE_FR	TTTCCGTGGCACAATATATACCACCACCAATGTGCGGAACGCGGCTTRACAT	[700]
luggeri_NC_HR	TTTCCGTGGCACAATCATACCACCACCAATGTGCGGAACGCGGCTAACAT	[700]
luggeri_KY_GR3	TTTTCGTGGCACAATCATACCACCACCAATGTGCGGAACGCGGCTAACAT	[700]
'notiale AL BC5+6'	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTAACCT	[700]
notiale_VA_RR	TTTTCGCGGCACAATCATACCACCACCAATGTGYGGAGCGCGGCTGACAT	[700]
notiale_TN_CC	TTTTCGCGGCACAATCATACCACCACCAATGTGTGGAGCGCGGCTAACST	[700]
notiale_SC_RBC	TTTTCGCGGCACAATCATACCACCACCAATGTGYGGAGCGCGGCTTRACMT	[700]
'notiale AL BC6+6'	TTTTCGCGGCACAATCATACCACCACCAATGTGTGGAGCGCGGCTAACCT	[700]
nyssa_AL_BC	TTTTCGAGGCACAATCATACCACCGCCAATGTGCGGAACACGTCTTACAT	[700]
nyssa_ME_AR	TTTTCGMGGCACAATCATACCACCGCCAATGTGCGGAACACGTCTTACAT	[700]
nyssa_VA_RR	TTTTCGAGGCACAATCATACCACCGCCAATGTGCGGAACACGTCTTACAT	[700]
nyssa_ME_PR	TTTTCGMGGCACAATCATACCACCSCCAATGTGCGGAACACGTCTTACAT	[700]
nyssa_NC_TR	TTTTCGMGGCACAATCATACCACCGCCAATGTGCGGAGCAGCTTACAT	[700]
ozarkense_MO_GR2	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACGT	[700]
ozarkense_MO_GR1	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACGT	[700]
penobsco_ME_PR1	TTTTCGAGGCTCAATCATACCACCGCCAATGAGCGGAGCGCGGCTRRCAT	[700]
penobsco_ME_PR2	TTTTCGAGGCACAATCATACCACCGCCAATGAGCGGAGCGCGGCTGACAT	[700]
podostemi_NC_TR	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACGT	[700]
podostemi_GA_AS	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACGT	[700]
podostemi_MS_BC	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACGT	[700]
podostemi_GA_CR	TTTYCGCGGCACAATCATACCACCACCAATGTRCGGAGCGCGGCTGACGT	[700]
remissum_NC_NR2	TTTTCGAGGCACAATCATACCACCGCCAATGTGCGGAGCGCGGCTGACAT	[700]
remissum_NC_NR1	TTTTCGAGGCACAATCATACCACCGCCAATGTGCGGAGCGCGGCTGACAT	[700]
remissum_NC_NR3	TTTTCGAGGCACAATCATACCACCRCCAATGTGTGGAGCGCGGCTGACAT	[700]

'snowi_AL_BC_4+6'	TTTTCGCGGCACAATCATACCACCACCAATGTGTGGAGCGCGGCTAACCT	[700]
snowi_TN_CC	TTTTCGCGGCACAATCATACCACCACCAATGTGTGGAGCGCGGCTAACCT	[700]
'snowi_AL_BC_4+4'	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
taxodium_GA_CC2	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
taxodium_FL_CR	TTTTCGCGGCACAATTATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
underhilli_AL_HC3	TTTTCGCGGCACAATCATACCACCACCAATGTGYGGAGCGCGGCTACMT	[700]
underhilli_GA_FR	TTTTCGCGGCACAATCATACCACCACCAATGTGCGGAGCGCGGCTGACAT	[700]
underhilli_GA_FS	TTTTCGCGGCACAATCATACCACCACCAATGTGYGGAGCGCGGCTACMT	[700]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
tuberosum	TTTCGAATCCAATCAGTCAGGTTGGTTTTCCGACAAGACGAGAAAGCGGC	[750]
verecundum	TTTCGAATCCAATCAGTCAGGTTGGTTTTCCGACAAAACGCGAAAGCGGA	[587]
decimatum	TTCCAAATCCAATCAGCCAGGTTGGTTTTACGACAAGACGAGATTGCGGG	[750]
apricarium	TTTCGAATCCAATCAGCCAGGTTAGGCTTTCCGACAAGACGAGATTGCGGA	[750]
reptans	TTTCGAATCCGATCAGTCAGGTTGGCTTTCCGACAAGACGAGATTGCGGT	[750]
anchist_AL_HC	TTACCCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATTGTGAA	[750]
anchist_DE_DR	TTACWCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATTGTGAA	[750]
anchist_ME_AR	TTACCCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGCGATTGTGAA	[750]
anchist_NC_NR	TTACCCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGCGATTGTGAA	[750]
anchist_ME_KR	TTACCCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGCGATTGTGAA	[750]
aranti_GA_FS	TTGCTCATCCTATMTGCCAGGTTGGGTTTCCGACAAGACGAGAKTGCGAA	[750]
aranti_GA_AS	TTGCTCATCCTATATGCCAGGTTGGGTTTCCGACAAGACGAGAGTGCGAA	[750]
aranti_AL_HC	TTGCTCATCCTATCTGCCAGGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
aranti_SC_LR	TTGCTCATCCTATMTGCCAGGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
chlorum_NC_GC3	TTRCTCATCCTATCAGCCARGTTGGKTTTCCKACAAGACGAGATTGCGAA	[750]
chlorum_NC_GC1	TTGCTCATCCTATCAGCCAAGTTGGGTTTCCKACAAGACGAGATTGCGAA	[750]
chlorum_NC_GC4	TTGCTCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
confusum_TN_LR	TTCKCATCCTATCAGCCARGTTGGKTTTCCGACAAGACGAGATTGCGAA	[750]
confusum_GA_GC	TTGCTCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACGAGATTTCGAA	[750]
confusum_GA_EC	TTGCTCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACGAGATTTCGAA	[750]
confusum_TX_SJR	TTGCTCATCCTATCAGCCAGGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
confusum_TX_SR	TTGMTATCCTATCAGCCAGGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
confusum_TX_Bayou	TTGCTCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
definitum_PA_LC	TTACGCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATCGCGAA	[750]
definitum_SC_GC	TTACGCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATCGCGAA	[750]
dixiense_GA_WC	TTACGCATCCTATCAGCCAGGTTGGTTTTCCAACAAGGCGAGATTGCAAA	[750]
dixiense_SC_LBC	YTACGCATCCTATCAKCCAGSTTGGTTTTCCWACAAGSCGAGATTGCAAA	[750]
dixiense_NC_QC	TTACGCATCCTATCAGCCAGGTTGGTTTTCCAACAAGGCGAGATTGCAAA	[750]
dixiense_FL_CC	TTACGCATCCTATCAGCCAGGTTGGTTTTCCAACAAGGCGAGATTGCAAA	[750]
fibrinflatum_PA_DR	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
fibrinflatum_ME_AR	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
fibrinflatum_GA_FR	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
haysi_AL_BCC3	TTACGCATCCTATTAGCCAGGTTGGCTTTCCCKACAAGACGAGATTGCGAA	[750]
haysi_TX_SJR	TTRCGCATCCTATTAGCCAGGTTGGCTTTCCCKACAAGACGAGATTGCGAA	[750]
infenestrum_NC_RR	TTRCWCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGMGATTGCGWA	[750]
infenestrum_SC_RBC	TTACTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGCGATTGCGAA	[750]
jenningsi_TN_PR	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATAGCGAA	[750]
jenningsi_NC_ER	TTTCACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
jenningsi_SC_FC	TTGCACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATAGCGAA	[750]
jenningsi_PA_BR	TTGCACATCCTATCAGCCAGGTTGGTTTTCTGCAAGACGAGATAGCGAA	[750]
jenningsi_GA_AR	TTGCTCATCCTATCAGCCAGGTTGGTTTTCTGCAAGACGAGATTGCGAA	[750]
jonesi_FL_CC1	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACACGACGAGATTGCGAA	[750]
jonesi_AL_BCC	TTGCTCATYCTATCAGCCAGGTTGGTTTTCCGACAMGACGAGATTGCGAA	[750]
jonesi_NC_CC	TTGCTCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
jonesi_NC_QC	TTGCTCATCCTATCAGCCARGTTGGTTTTCCGACACGACGAGATTGCGAA	[750]
jonesi_GA_WC	TTACACATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATTGCGAA	[750]
krebsorum_NC_MC	TTGCGCATCCTATTAGCCAGGTTGGCTTTCTGACAAGACGAAATTGCGAA	[750]
krebsorum_SC_CC2	TTGCGCATCCTATTAGCCAGGTTGGCTTTCTGACAAGACGAAATTGCGAA	[750]
lakei_PA_NC	TTGCKCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACAAGATTGCGAA	[750]
lakei_SC_BR	TTGCTCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
lakei_FL_CR	TTGCTCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
lakei-Taunt_8_MA_TR	TTGCTCATCCTATCAGCCAGGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
lakei-Taunt_9_MA_TR	TTGATCATCCTATCAGCCAAGTTGGGTTTCCGACAAGACGAGATTGCGAA	[750]
luggeri_NWT	TTGCTCATCCTATCAGCCAAGTTGGTTTTCCGACAAGACGAGATTGCGAG	[750]
luggeri_NE_FR	TTGCTCATCCTATCAGCCAAGTTGGTTTTCCGACAAGACGAGATTGCGAG	[750]
luggeri_NC_HR	TTGCTCATCCTATCAGCCAAGTTGGTTTTCCGACAAGACGAGATTGCGAG	[750]
luggeri_KY_GR3	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATTGCGAA	[750]

'notiale AL BC5+6'	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
notiale_VA_RR	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
notiale_TN_CC	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
notiale_SC_RBC	TTACRCATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
'notiale AL BC6+6'	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
nyssa_AL_BC	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGMGATTGCGAT	[750]
nyssa_ME_AR	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGCGATTGCGAT	[750]
nyssa_VA_RR	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGCGATTGYGAT	[750]
nyssa_ME_PR	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGCGATTGCGAW	[750]
nyssa_NC_TR	TTRCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGMGATTGCGAW	[750]
ozarkense_MO_GR2	TTGCTCATCCTATCAGYCAGGTTGGTTTTCCGACAAGACGAGATTGCGAA	[750]
ozarkense_MO_GR1	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATTGYGAA	[750]
penobsco_ME_PR1	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGMGATTGCGWA	[750]
penobsco_ME_PR2	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGCGATTGCGAA	[750]
podostemi_NC_TR	TTGATCATCCTATTAGCCATGTTGGTTTTCCGACAAGACGAGATTGTGAA	[750]
podostemi_GA_AS	TTGATCATCCTATTAGCCAGGTTGGTTTTCCGACAAGACGAGATTGTGAA	[750]
podostemi_MS_BC	TTGATCATCCTATTAGCCAGGTTGGTTTTCCGACAAGACGAGATTGTGAA	[750]
podostemi_GA_CR	TTGATCATCCTATTAGCCATGTTGGTTTTCCGACAAGACGAGATTGTGAA	[750]
remissum_NC_NR2	TTGCTCATCCYATCAGCCAGGTTGGTTTTCCGACAAGACGAGATTGCGAA	[750]
remissum_NC_NR1	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATTGCGAA	[750]
remissum_NC_NR3	TTGCTCATCCTATCAGCCAGGTTGGTTTTCCGACAAGACGAGATTGCGAA	[750]
'snowi AL BC 4+6'	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
snowi_TN_CC	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
'snowi AL BC 4+4'	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATAGCGAA	[750]
taxodium_GA_CC2	TTGCGCATCCTATCAGCCAAGTTGGGTTTTCCGACAAGACGAGATTGCGAA	[750]
taxodium_FL_CR	TTGCTCATCCTATCAGCCAAGTTGGGTTTTCTGACAAGACGAGATTGCGAA	[750]
underhilli_AL_HC3	TTACGCATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
underhilli_GA_FR	TTACACATCCTATCAGCCAGGTTGGCTTTCCGACAAGACGAGATTGCGAA	[750]
underhilli_GA_FS	TTACACATCCTATCAGCCAGGTTGGCTTTCCRACAAGACGAGATTGCGAA	[750]
tuberosum	GAGGAACAAATGAACAGTTTTTTTCGCCATAGATGCTGTGACTGGTGTCGT	[800]
verecundum	GAGGAACAAATGAATAGTTTTTTTCGCCTTTGATGCTGTGACTGGTGTCGT	[637]
decimatum	GAGGAGCAGGTGAACAGTTTTTTTCGCCGTAGATGCTGTGACTGGTGTCGT	[800]
apricarium	GAGGAGCAGATGAACAGTTTTTTTCGCCGTAGATGCTGTGACTGGTGTCGT	[800]
reptans	GAGGAACAGATGAACAGTTTTTTTCGCCGTAGATGCTGTGACTGGTGTCGT	[800]
anchist_AL_HC	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGKGTCTGT	[800]
anchist_DE_DR	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
anchist_ME_AR	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
anchist_NC_NR	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
anchist_ME_KR	GARGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
aranti_GA_FS	GAGAAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
aranti_GA_AS	GAGAAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
aranti_AL_HC	GAGAAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
aranti_SC_LR	GAGAAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
chlorum_NC_GC3	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
chlorum_NC_GC1	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
chlorum_NC_GC4	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
confusum_TN_LR	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
confusum_GA_GC	GARGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
confusum_GA_EC	GAGGARACAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
confusum_TX_SJR	GRGGAGCGGATGAACCTCTTTTTTCSCCTTAGATGCTGTGACTGGTGTCGT	[800]
confusum_TX_SR	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
confusum_TX_Bayou	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
definitum_PA_LC	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGCGTCTGT	[800]
definitum_SC_GC	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGCGTCTGT	[800]
dixiense_GA_WC	GAGGAGCAGATGAACCTTTTTTTTCGCCTTAGATGCTGTGACTAATGTCTGT	[800]
dixiense_SC_LBC	GAGGAGCAGATGAACCTTTTTTTTCGCCTTAGATGCTGTGACTAATGTCTGT	[800]
dixiense_NC_QC	GAGGAGCAGATGAACCTTTTTTTTCGCCTTAGATGCTGTGACTAATGTCTGT	[800]
dixiense_FL_CC	GAGGAGCAGATGAACCTTTTTTTTCGCCTTAGATGCTGTGACTAATGTCTGT	[800]
fibrinflatum_PA_DR	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
fibrinflatum_ME_AR	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
fibrinflatum_GA_FR	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]
haysi_AL_BCC3	GAGGAGCAGATGAACCTCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCGT	[800]

haysi_TX_SJR	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
infenestrum_NC_RR	GARGAGCAGATGAACTCYTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
infenestrum_SC_RBC	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
jenningsi_TN_PR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
jenningsi_NC_ER	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
jenningsi_SC_FC	GAGGAGCAGATGAAATCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
jenningsi_PA_BR	GAGGAGCAGATGAAATCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
jenningsi_GA_AR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
jonesi_FL_CC1	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
jonesi_AL_BCC	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGYGTCTCGT	[800]
jonesi_NC_CC	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGYGTCTCGT	[800]
jonesi_NC_QC	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGYGTCTCGT	[800]
jonesi_GA_WC	GAGGAGCAGATGAACTCATTITTCACCTTAGATGCTGTGACTGGTGTCTCGT	[800]
krebsorum_NC_MC	GAGAAGCAGATGAACTCCTTTTTTCGCCTTGGATGCTGTGACTGGTGTCTCGT	[800]
krebsorum_SC_CC2	GAGAAGCAGATGAACTCCTTTTTTCGCCTTGGATGCTGTGACTGGTGTCTCGT	[800]
lakei_PA_NC	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
lakei_SC_BR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
lakei_FL_CR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
lakei-Taunt_8_MA_TR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
lakei-Taunt_9_MA_TR	GAGGAACAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
luggeri_NWT	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGCGTCTCGT	[800]
luggeri_NE_FR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGCGTCTCGT	[800]
luggeri_NC_HR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGCGTCTCGT	[800]
luggeri_KY_GR3	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGCGTCTCGT	[800]
'notiale AL BC5+6'	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
notiale_VA_RR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
notiale_TN_CC	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
notiale_SC_RBC	GAGGAGCAGATGAACTCCTTTTTTCGCMTTAGATGCTGTGACTGGTGTCTCGT	[800]
'notiale AL BC6+6'	GAGGAGCAGATGAACTCCTTTTTTCGCATTAGATGCTGTGACTGGTGTCTCGT	[800]
nyssa_AL_BC	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
nyssa_ME_AR	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
nyssa_VA_RR	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
nyssa_ME_PR	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
nyssa_NC_TR	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
ozarkense_MO_GR2	GAGGATCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
ozarkense_MO_GR1	GAGGATCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
penobsco_ME_PR1	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
penobsco_ME_PR2	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
podostemi_NC_TR	GAGGAGCAGATGAAACACCTTTTTTCGCATTAGATGCTGTGACTGGTGTCTCGT	[800]
podostemi_GA_AS	GAGGAGCAGATGAAACACCTTTTTTCGCATTAGATGCTGTGACTGGTGTCTCGT	[800]
podostemi_MS_BC	GAGGAGCAGATGAAACACCTTTTTTCGCATTAGATGCTGTGACTGGTGTCTCGT	[800]
podostemi_GA_CR	GAGGAGCAGATGAAACACCTTTTTTCGCATTAGATGCTGTGACTGGTGTCTCGT	[800]
remisum_NC_NR2	GAGGAGCAGATGAACTCCTTTTTTCGCTCTAGATGCTGTGACTGGWGTCTCGT	[800]
remisum_NC_NR1	GAGGAGCAGATGAACTCCTTTTTTCGCTCTAGATGCTGTGACTGGTGTCTCGT	[800]
remisum_NC_NR3	GARGAGCAGATGAACTCCTTTTTTCGCTYTAGATGCTGTGACTGGTGTCTCGT	[800]
'snowi AL BC 4+6'	GAGGAGCAGATGAACTCCTTTTTTCGCATTAGATGCTGTGACTGGTGTCTCGT	[800]
snowi_TN_CC	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
'snowi AL BC 4+4'	GAGGAGCAGATGAACTCCTTTTTTCGCATTAGATGCTGTGACTGGTGTCTCGT	[800]
taxodium_GA_CC2	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
taxodium_FL_CR	GAGGAGCAGATGAACTCCTTTTTTCGCCTTAGATGCTGTGACTGGTGTCTCGT	[800]
underhilli_AL_HC3	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
underhilli_GA_FR	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
underhilli_GA_FS	GAGGAGCAGATGAACTCCTTTTTTCGCTTTAGATGCTGTGACTGGTGTCTCGT	[800]
tuberosum	GAACATATGTGAACCAAAATTCACGGTTAACGAAAAAGACCCGGTTCACG	[850]
verecundum	AAATGTGTGCGAACCAACAATTCACAATTAACGAAAAAGACCCGATTCCCG	[687]
decimatum	GAATATATGCGAACCAACAATTCACGATTAACGAAAAAGACCCGGTGCCCG	[850]
apricarium	GAATATTTGCGAACCAACAATTCACGATTAACGAAAAAGACCCGGTGCCCG	[850]
reptans	GAACATTTGCGAGCCACAATTCACGATTAACGAAAAAGATCCGGTGCCCG	[850]
anchist_AL_HC	GAATWTATGTGAACACRATTCACGATTAATGAAAAAGATCCRGKGCCCG	[850]
anchist_DE_DR	GAAYWTATGTGAACCAACAATTCACGATTAAYCAAAAAGATCCGGKGCCCG	[850]
anchist_ME_AR	GAACATATGTGAACCAACAATTCACGATTAATGAAAAAGATCCGGTGCCCG	[850]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
anchist_NC_NR	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
anchist_ME_KR	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
aranti_GA_FS	GTATATATGTGAACCACAATTCACGATTAATGAAAAGATCCGGTGCCCG	[850]
aranti_GA_AS	GTATATATGTGAACCACAATTCACGATTAATGAAAAGATCCGGTGCCCG	[850]
aranti_AL_HC	GTATATATGTGAACCACAATTCACGATTAATGAAAAGATCCGGTGCCCG	[850]
aranti_SC_LR	GTATATATGTGAACCACAATTCACGATTAATGAAAAGATCCGGTGCCCG	[850]
chlorum_NC_GC3	GAAYATATGTGAACCACAATTCACGATTAATGAAAAGATCCGGTGCCCG	[850]
chlorum_NC_GC1	TAACATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
chlorum_NC_GC4	GAATATTTGTGAACCACAATTCACGATTAATGAAAAGATCCGGTGCCCG	[850]
confusum_TN_LR	GAATATTTGTGAACCACAATTCACGATTAATGAAAAGATCCGGTGCCCG	[850]
confusum_GA_GC	TAAYATATGTGAACCACAATTCGCGRTAAATGAAAAGATCCGGTGCCCG	[850]
confusum_GA_EC	TAACATATGTGAACCACAATTCRCGATTAATGAAAAGATCCGGTGCCCG	[850]
confusum_TX_SJR	KAACATATGYGAACCACAATTCACGATTAATGAAAAGGATSCGGTGCCCG	[850]
confusum_TX_SR	TAACATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
confusum_TX_Bayou	GAATGTATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
definitum_PA_LC	TAACATATGTGAACCACAATTCACGTTAAATGAAAAGATCCGGTGCCCG	[850]
definitum_SC_GC	TAACATATGTGAACCACAATTCACGTTAAATGAAAAGATCCGGTGCCCG	[850]
dixiense_GA_WC	GAATATATGTGAACCACAATACACGATTAATGAAAAGATCCGGTGCCCG	[850]
dixiense_SC_LBC	GAATATATGTGAACCACAATACACGATTAATGAAAAGATCCGGTGCCCG	[850]
dixiense_NC_QC	GAATATATGTGAACCACAATACACGATTAATGAAAAGATCCGGTGCCCG	[850]
dixiense_FL_CC	GAATATATGTGAACCACAATACACGATTAATGAAAAGATCCGGTGCCCG	[850]
fibrinflatum_PA_DR	GAACATATGTGAACCACAATTCACGATCAATGAAAAGGACCCGGTGCCCG	[850]
fibrinflatum_ME_AR	GAACATATGTGAACCACAATTCACGATCAATGAAAAGGACCCGGTGCCCG	[850]
fibrinflatum_GA_FR	GAACATATGTGAACCACAATTCACGATCAATGAAAAGGACCCGGTGCCCG	[850]
haysi_AL_BCC3	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
haysi_TX_SJR	GAATATATGTGAACCACAATTCACGATWAATGAAAAGGATCCGGTGCCCG	[850]
infeestrum_NC_RR	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
infeestrum_SC_RBC	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
jenningsi_TN_PR	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCTGGTGCCCG	[850]
jenningsi_NC_ER	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
jenningsi_SC_FC	AAAYATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
jenningsi_PA_BR	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
jenningsi_GA_AR	GAAAATATGTGAACCACAATTCACGATTAATGACAAGGACCCGGTGCCCG	[850]
jonesi_FL_CC1	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGAYCCGGTGCCCG	[850]
jonesi_AL_BCC	KAAYATATGTGAACCACAATTCACGATTAATGAAAAGGACCCGGTRCCCG	[850]
jonesi_NC_CC	KAACATATGTGAACCACAATTCACGATYAATGAAAAGGACCCGGTACCCG	[850]
jonesi_NC_QC	KAACATATGTGAACCACAATTCACGATYAATGAAAAGGACCCGGTRCCCG	[850]
jonesi_GA_WC	GAACATTTGTGAACCACAATTCACGATTAATGAAAAGGACCCGGTGCCCG	[850]
krebsorum_NC_MC	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
krebsorum_SC_CC2	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
lakei_PA_NC	KAAYATATGTGAACCACAATTCRCGGTAAATGAAAAGATCCGGTGCCCG	[850]
lakei_SC_BR	GAATATWTGTGAACCACAATTCACGRTAAATGAAAAGATCCGGTGCCCG	[850]
lakei_FL_CR	GAATATATGTGAACCACAATTCACGAWTAATGAAAAGATCCGGTGCCCG	[850]
lakei-Taunt_8_MA_TR	GAATATTTGTGAACCACAATTCACGATTAATGAAAAGATMCCGGTGCCCG	[850]
lakei-Taunt_9_MA_TR	TAACATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
luggeri_NWT	GAATATATGTGAACCACAATTCACGATTAATGACAAGATCCGGTGCCCG	[850]
luggeri_NE_FR	GAATATATGTGAACCACAATTCACGATTAATGAMAAGATCCGGTGCCCG	[850]
luggeri_NC_HR	GAATATATGTGAACCACAATTCACGATWAATGAAAAGATCCGGTGCCCG	[850]
luggeri_KY_GR3	GAATATATGTGAACCACAATTCACGATTAATGACAAGATCCGGTGCCCA	[850]
'notiale AL BC5+6'	GAACATATGTGAACCACAATTCACGATCAATGAAAAGGACCCGGTGCCCG	[850]
notiale_VA_RR	GAACATATGTGAACCACAATTCACGATCAATGAAAAGGACCCGGTGCCCG	[850]
notiale_TN_CC	GAACATATGTGAACCACAATTCACGATCAATGAGAAGGACCCGGTGCCCG	[850]
notiale_SC_RBC	GAACATATGTGAACCACAATTCACGATSAATGAAAAGGACCCGGTRCCCG	[850]
'notiale AL BC6+6'	GAACATATGTGAACCACAATTCACGATCAATGAAAAGGACCCGGTGCCCG	[850]
nyssa_AL_BC	GAACATATGTGAACCACAATTCACGATTAATGAAAAGGATCTGGTGCCCG	[850]
nyssa_ME_AR	GAAYATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
nyssa_VA_RR	GAACATATGTGAACCACAATTCACGATTAATGAAAAGGATCTGGTGCCCG	[850]
nyssa_ME_PR	GAAYATATGTGAACCACAATTCACGATTAATGAAAAGGATCYGGTGCCCG	[850]
nyssa_NC_TR	GAACATATGTGAACCACAATTCACGATTAATGAAAAGGATCYGGTGCCCG	[850]
ozarkense_MO_GR2	RAAYATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
ozarkense_MO_GR1	GAACATATGTGAACCACAATTCACGATTAATGAAAAGGATCCGGTGCCCG	[850]
penobsco_ME_PR1	GAATATATGTGAACCACAATTCACGATTAATGAAAAGGACACGGTGCCCG	[850]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
penobsco_ME_PR2	GAATATATGTGAACCACAATTACGATTAATGAAAAGGATCCGGTGCCYG	[850]
podostemi_NC_TR	GAATATATGTGAACCACAATTACGATTAATGAAAAGGACCCGGTGCCCG	[850]
podostemi_GA_AS	GAATATATGTGAACCACAATTACGATTAATGAAAAGGACCCGGTGCCCG	[850]
podostemi_MS_BC	GAATATATGTGAACCACAATTACGATTAATGAAAAGGACCCGGTGCCCG	[850]
podostemi_GA_CR	GAATATATGTGAACCACAATTACGATTAATGAAAAGGACCCGGTGCCCG	[850]
remisum_NC_NR2	GAATATATGTGAACCACAATTACGATTAATGAAAAGGATCCGGTRCCCG	[850]
remisum_NC_NR1	GAACATATGTGAACCACAATTACGATTAATGAAAAGGATCCGGTGCCCG	[850]
remisum_NC_NR3	GAACATATGTGAACCACAATTACGATTAATGAAAAGGATCYGGTRCCCG	[850]
'snowi_AL_BC_4+6'	GAACATATGTGAACCACAATTACGATCAATGAAAAGGACCCGRCGCCCG	[850]
snowi_TN_CC	GAACATATGTGAACCACAATACACGATCAATGAAAAGGACCCGGTGCCCG	[850]
'snowi_AL_BC_4+4'	GAACATATGTGAACCACAATTACGATCAATGAAAAGGACCCGGTGCCCG	[850]
taxodium_GA_CC2	GAATATTTGTGAACCACAATTACGATTAATGAAAAGATGCGGTGCCCG	[850]
taxodium_FL_CR	GAATATATGTGAACCACAATTACGATTAATGAAAAGGATCCGGTGCCYG	[850]
underhilli_AL_HC3	GAACATATGTGAACCACAATTACGATCAATGAAAAGGACCCGGTGCCCG	[850]
underhilli_GA_FR	GAACATATGTGAACCACAATTACGATCAATGAAAAGGACCCGGTGTCGG	[850]
underhilli_GA_FS	RAACATATGTGAACCACAATTACGATCAATGAAAAGGACCCGGTGCCCG	[850]

tuberosum	TTCAAAGATTAAACCGATGCATCAATTATGAAGAAGTATCAGAGTTGCGCC	[900]
verecundum	TCCAAAGATTAAACCACTTCATCTGTTGTAAAGACGTATAAGAGTTGTGCC	[737]
decimatum	TCCAAAGATTAAACCGCTGCATCTATTATGAAGAAGTATGAGAGTTCTGCA	[900]
apricarium	TCCAAAGATTAAACCGCTGCCTCAATTGTGAAAAAGTATGAGAGTTCTGCA	[900]
reptans	TYCAAAGATTACCGCTGCATCAATTGTTAAGAAGTATGAGAGTTGTGCA	[900]
anchist_AL_HC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAGCAGTTCTGTT	[900]
anchist_DE_DR	TCCAAAKATTAAACCACTGCATCGATTGTGAAGAAGTATAGCAGTTCTGTT	[900]
anchist_ME_AR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAATATAGCAGTTCTGTT	[900]
anchist_NC_NR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAATATAGCAGTTCCGTT	[900]
anchist_ME_KR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATARCAGTTCTGTT	[900]
aranti_GA_FS	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
aranti_GA_AS	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
aranti_AL_HC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
aranti_SC_LR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
chlorum_NC_GC3	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
chlorum_NC_GC1	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
chlorum_NC_GC4	TYCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
confusum_TN_LR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
confusum_GA_GC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
confusum_GA_EC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
confusum_TX_SJR	TCCAAAGATTAAACCACTGCATTGATTGTGAAGAAGTATAACAGTTCKGTT	[900]
confusum_TX_SR	TCCAAAGATTAAACCACTGCATTGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
confusum_TX_Bayou	TCCAAAGAATAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
definitum_PA_LC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
definitum_SC_GC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
dixiense_GA_WC	TCCAAAGATTAAACCACTGCATCAATTGTGAAAAAGTACAACAGTTGTGTT	[900]
dixiense_SC_LBC	TCCAAAGATTAAACCACTGCATCAATTGTGAAAAAGTACAACWTTGTGTT	[900]
dixiense_NC_QC	TCCAAAGATTAAACCACTGCATCAATTGTGAAAAAGTACAACGTGTTGTT	[900]
dixiense_FL_CC	TCCAAAGATTAAACCACTGCATCAATTGTGAAAAAGTACAACAGTTGTGTT	[900]
fibrinflatum_PA_DR	TCCAAAGATTAAACCACTGCATCGATTATGAAGAAGTATAACAGTTCTGTT	[900]
fibrinflatum_ME_AR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
fibrinflatum_GA_FR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTAYAACAGTTCTGTT	[900]
haysi_AL_BCC3	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAGCAGTTCTGTA	[900]
haysi_TX_SJR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAGCAGTTCTGTA	[900]
infenestrum_NC_RR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAGCAGTTCTGTT	[900]
infenestrum_SC_RBC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAGCAGTTCCATT	[900]
jenningsi_TN_PR	TCCAAAGATTGACCACTGCATCGATTGTGAAGAARTACAGCAGTTCTGTT	[900]
jenningsi_NC_ER	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAATATAACAGTTCTGTT	[900]
jenningsi_SC_FC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTW	[900]
jenningsi_PA_BR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAATATAACAGTTCTGTT	[900]
jenningsi_GA_AR	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAATATAACAGTTCTGTT	[900]
jonesi_FL_CC1	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
jonesi_AL_BCC	TCCAAAGATTAAACCACTGCATGATTGTGAAGAAGTATAAYAGTTCTGTT	[900]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
jonesi_NC_CC	TCCAAAGATTAAACCACTGCATCGATTGTGAAGAAGTATAACAGTTCTCTT	[900]

jonesi_NC_QC	TCCAAAGATTAACCAAGTGCATGATTGTGGAAGAAGTATAAAYAGTTCTSTT	[900]
jonesi_GA_WC	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTCTT	[900]
krebsorum_NC_MC	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTMGTT	[900]
krebsorum_SC_CC2	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCCGTT	[900]
lakei_PA_NC	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
lakei_SC_BR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
lakei_FL_CR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
lakei-Taunt_8_MA_TR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
lakei-Taunt_9_MA_TR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
luggeri_NWT	TCCAAAGATTAACCACTGCATCGATTGTCAAGAAGTATAGCAGTTCTGTT	[900]
luggeri_NE_FR	TCCAAAGATTAACCACTGCATCGATTGTCAAGAAGTATAGCAGTTCTGTT	[900]
luggeri_NC_HR	TCCAAAGATTAACCACTGCATCGATTGTCAAGAAGTATAGCAGTTCTGTT	[900]
luggeri_KY_GR3	TCCAAAGATTAACCAAGTGCATCGATTGTCAAGAAGTATAGCAGTTCTGTT	[900]
'notiale AL BC5+6'	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
notiale_VA_RR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
notiale_TN_CC	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
notiale_SC_RBC	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
'notiale AL BC6+6'	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
nyssa_AL_BC	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
nyssa_ME_AR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
nyssa_VA_RR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
nyssa_ME_PR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
nyssa_NC_TR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
ozarkense_MO_GR2	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
ozarkense_MO_GR1	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
penobsco_ME_PR1	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
penobsco_ME_PR2	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
podostemi_NC_TR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
podostemi_GA_AS	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
podostemi_MS_BC	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
podostemi_GA_CR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
remissum_NC_NR2	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
remissum_NC_NR1	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
remissum_NC_NR3	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
'snowi AL BC 4+6'	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
snowi_TN_CC	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
'snowi AL BC 4+4'	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
taxodium_GA_CC2	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
taxodium_FL_CR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
underhilli_AL_HC3	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
underhilli_GA_FR	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]
underhilli_GA_FS	TCCAAAGATTAACCAAGTGCATCGATTGTGAAGAAGTATAACAGTTCTGTT	[900]

tuberosum	TCAGTTTCCCGAATTTTGTGGCTATCACCAGCACTCTTCGTGGGTCTGCA	[950]
verecundum	ATAGTTTCTCGCTTTTATGGCTGTCGCTCGCTCTTTGTTGGTCTACA	[787]
decimatum	CTCGTTTCTCAGATTTTATGGATATCACCTCGACTCTTCGTGGGTCTGCA	[950]
apricarium	CTCGTTTCTCAGATTTTATGGATATCACCTCGAATTTTTCGTGGGTCTGCA	[950]
reptans	TTCGTGTCTCAGATTTTATGGATATCACACGACTYTTTCGTGGGTCTGCA	[950]
anchist_AL_HC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
anchist_DE_DR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
anchist_ME_AR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
anchist_NC_NR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
anchist_ME_KR	CCGGTTTCTCGGATTTTATGGCTATCGCAGCAACTCTTTGTGGGTTTGCA	[950]
aranti_GA_FS	CCAGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
aranti_GA_AS	CCRGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTAGGTTTGCA	[950]
aranti_AL_HC	CCAGTTTCTCGGATTTTATGGCTATCGCCGCTACTCTTTGTGGGTTTGCA	[950]
aranti_SC_LR	CCRGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTTGGGTTTGCA	[950]
chlorum_NC_GC3	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
chlorum_NC_GC1	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
chlorum_NC_GC4	CCTGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
confusum_TN_LR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
confusum_GA_GC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTAGGTTTRCA	[950]
confusum_GA_EC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]

confusum_TX_SJR	CCGGTTTCTCGGATTTTTRTGGCTATCGCCGCAACTCTTTGTRGGTTTGCA	[950]
confusum_TX_SR	TCGGTTTTCYCGGATTTTGTGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
confusum_TX_Bayou	CCTGTTTCTCGGATTTTATGGCTATCGTCACAGCTCTTTGTGGGTTTGCA	[950]
definitum_PA_LC	CCGGTTTCTCGGATTTTGTGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
definitum_SC_GC	CCGGTTTCTCGGATTTTTRTGGCTATCGCCCAACTCTTTGTGGGTTTGCA	[950]
dixiense_GA_WC	TCGGTTTCCCGGATTCTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
dixiense_SC_LBC	TCGGTYTCCCGGATTCTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
dixiense_NC_QC	TCGGTCTCCCGGATTCTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
dixiense_FL_CC	TCGGTCTCCCGGATTCTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
fibrinflatum_PA_DR	CCGGTTTCTCGGATTCTATGGCTATCGCCTCAACTCTTTGTGGGTTTGCA	[950]
fibrinflatum_ME_AR	CCGGTTTCTCGGATTCTATGGCTATCACCAGCAACTCTTTGTGGGTTTGCA	[950]
fibrinflatum_GA_FR	CCGGTTTCTCGGATTCTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
haysi_AL_BCC3	TCGGTTTCTCGGATTTTATGGCTATCGGCACAACCTCTTTGTGGGTTTGCA	[950]
haysi_TX_SJR	TCGGTTTCTCGGATTTTATGGCTATCGGCACAACCTCTTTGTGGGTTTGCA	[950]
infenestrum_NC_RR	CCGGTKTCYCGGATTTTATGGCTATCGTCGCAACTCTTTGTGGGCTTGCA	[950]
infenestrum_SC_RBC	CCGGTGTCTCGGATTTTATGGCTATCGTCGCAACTCTTTGTGGGCTTGCA	[950]
jenningsi_TN_PR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
jenningsi_NC_ER	CCGGTTTCTAGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
jenningsi_SC_FC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
jenningsi_PA_BR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
jenningsi_GA_AR	CCGGTTTCTCGGATTTTATGGGATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
jonesi_FL_CC1	CCGGTTTCTCGGATTTTTRTGGCTATCGCCGCAACTCTTTGTRGGTTTGCA	[950]
jonesi_AL_BCC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
jonesi_NC_CC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
jonesi_NC_QC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
jonesi_GA_WC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
krebsorum_NC_MC	CCGGTTTCTCGGATTTTATGGCTATCAGCAACTCTTTGTGGGTTTGCA	[950]
krebsorum_SC_CC2	CCGGTTTCTCGGATTTTATGGCTATCAGCAACTCTTTGTGGGTTTGCA	[950]
lakei_PA_NC	CCGGTTTCTCGGATTTTGTGGCTATCGCCGCAAYTCTTTGTGGGTTTGCA	[950]
lakei_SC_BR	CCGGTTTCTCGGATTTTGTGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
lakei_FL_CR	CCGGTTTCTCGGATTTTTRTGGCTATCGCCGCAACTCTTTGTRGGTTTGCA	[950]
lakei-Taunt_8_MA_TR	YCGGTTTCTCGGATTTTGTGGCTATCGCCGCAACTCTTTGTRGGTTTGCA	[950]
lakei-Taunt_9_MA_TR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
luggeri_NWT	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
luggeri_NE_FR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
luggeri_NC_HR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
luggeri_KY_GR3	TCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
'notiale AL BC5+6'	CCGGTTTCTCGGATTCTATGGCTATCACCAGCAACTCTTTGTGGGTTTGCA	[950]
notiale_VA_RR	CCGCTTTCTCGGATTCTATGGCTATCACCAGCAACTCTTTGTGGGTTTGCA	[950]
notiale_TN_CC	CCGGTTTCTCGGATTCTATGGCTATCACCAGCAACTCTTTGTGGGTTTGCA	[950]
notiale_SC_RBC	CCGGTTTCTCGGATTCTATGGCTATCGCCGCAAACTCTTTGTGGGTTTGCA	[950]
'notiale AL BC6+6'	CCGGTTTCTCGGATTTTATGGCTATCACCAGCAACTCTTTGTGGGTTTGCA	[950]
nyssa_AL_BC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
nyssa_ME_AR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
nyssa_VA_RR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
nyssa_ME_PR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
nyssa_NC_TR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
ozarkense_MO_GR2	CCGGTTTCTCGGATTTTATGGCTATCACCAGCAACTCTTTGTGGGTTTGCA	[950]
ozarkense_MO_GR1	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
penobsco_ME_PR1	CCGGTGTCTCGGATTTTATGGCTATCGTCGCAACTCTTTGTGGGCTTGCA	[950]
penobsco_ME_PR2	CCGGTGTCTCGGATTTTATGGCTATCGTCGCAACTCTTTGTGGGCTTGCA	[950]
podostemi_NC_TR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAATTTCTTTGTGGGTTTGCA	[950]
podostemi_GA_AS	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAATTTCTTTGTGGGTTTGCA	[950]
podostemi_MS_BC	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAATTTCTTTGTGGGTTTGCA	[950]
podostemi_GA_CR	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAATTTCTTTGTGGGTTTGCA	[950]
remissum_NC_NR2	CCGGTTTCTCGGATTTTATGGCTATCAGCATCTCTTTGTGGGTTTGCA	[950]
remissum_NC_NR1	CCGGTTTCTCGGATTTTATGGCTATCAGCATCTCTTTGTGGGTTTGCA	[950]
remissum_NC_NR3	CCGGTTTCTCGGATTTTATGGCTATCAGCATCTCTTTGTGGGTTTGCA	[950]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
'snowi AL BC 4+6'	CCGGTTTCTCGGATTCTATGGCTATCACCAGCAACTCTTTGTGGGTTTGCA	[950]
snowi_TN_CC	CCGTTTCTCGGATTCTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
'snowi AL BC 4+4'	CCGGTTTCTCGGATTCTATGGCTATCACCAGCAACTCTTTGTGGGTTTGCA	[950]
taxodium_GA_CC2	CCGGTTTCTCGGATTTTATGGCTATCGCCGCAACTCTTTGTAGGTTTGCA	[950]
taxodium_FL_CR	CCGGTTTCTCGGATTTTTRTGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
underhilli_AL_HC3	CCGGTTTCTCGGATTCTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]
underhilli_GA_FR	CCGGTTTCTCGGATTCTATGGCTATCGCCGCAACTCTTTGTGGGTTTGCA	[950]

underhilli_GA_FS CCGGTTTCTCGGATTCTATGGCTATCRCCRCARMTCTTTGTGGGTTTGCA [950]

tuberosum	AGAGAAAAATATCGTTTTATTGCAGGCGGTTGAGGACCAGCTTGAAGTCA	[1000]
verecundum	AGATACAAACATCGTTTTATTACAGGCCGTTGAAGACCAGCTCAACGTAA	[837]
decimatum	AGAGAAGAATCTTGTTTTGATGCAAGCGGTTGAGGATAAGCTGGAAGTAA	[1000]
apricarium	AGAGAAGAATCTTGTTTTATTACAGGCGGTTGAGGATCAGCTGGAAGTAA	[1000]
reptans	AGAGAAGAATCTAGTTTTATTGCAGGCGGTTGGGGATCAGCTGGAAGTTA	[1000]
anchist_AL_HC	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
anchist_DE_DR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
anchist_ME_AR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
anchist_NC_NR	AGAGAARAACCTCGTTTTATTACAAGCGGTTGATGATCARCTGGAAGTAA	[1000]
anchist_ME_KR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATTATCAGCTGGAAGTAA	[1000]
aranti_GA_FS	AGAGAAGAACCTGTTTTGTTACAAGCGGTCGATGATCAGCTGGAAGTAA	[1000]
aranti_GA_AS	AGAGAAGAACCTGTTTTGTTACAAGCGGTCGATGATCAGCTGGAAGTAA	[1000]
aranti_AL_HC	AGAGAAGAACCTGTTTTGTTACAAGCGGTCGATGATCAGCTGGAAGTAA	[1000]
aranti_SC_LR	AGAGAAGAACCTGTTTTGTTACAAGCGGTCGATGATCAGCTGGAAGTAA	[1000]
chlorum_NC_GC3	AGAGAAGAATCTTGTTTTRTTACAAGYGTTGATGATCAGCTGGAAGTAA	[1000]
chlorum_NC_GC1	AGAGAAGAATCTTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
chlorum_NC_GC4	AGAGAARAGCCTTGTTTTGTTACAAGCKGTTGATGATCAGCTGGAAGTAA	[1000]
confusum_TN_LR	AGAGAAGAACCTGTTTTRTTACAAGYGTTGATGATCAGCTGGATRTAA	[1000]
confusum_GA_GC	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
confusum_GA_EC	AGAGAAGAACYTTGTTTTRTTACAAGCGGTTAATGATCAGCTGGAAGTAA	[1000]
confusum_TX_SJR	AGAGAAGAATCTTGTTTTRTTACAAGCGGTTGATGATCAGCTGGATGTAA	[1000]
confusum_TX_SR	AGAGAAGAATCTTGTTTTRTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
confusum_TX_Bayou	AGAGAAGAATCTTGTTTTRTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
definitum_PA_LC	AGAGAAGAACCTGTTTTGTTACAAGCAGTTGATGATCAGCTGGAAGTAA	[1000]
definitum_SC_GC	AGAGAAGAACCTGTTTTRTTACAAGCRGTTGATGATCAGCTGGAAGTAA	[1000]
dixiense_GA_WC	AGAGAAGAACCTGTTTTATTACAGGCGGTTAATGATACGCTGGAAGTAA	[1000]
dixiense_SC_LBC	AGAGAAGAACCTGTTTTATTACAGGCGGTTAATGATACGCTGGAAGTAA	[1000]
dixiense_NC_QC	AGAGAAGAACCTGTTTTATTACAGGCGGTTAATGATACGCTGGAAGTAA	[1000]
dixiense_FL_CC	AGAGAAGAACCTGTTTTATTACAGGCGGTTAATGATACGCTGGAAGTAA	[1000]
fibrinflatum_PA_DR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
fibrinflatum_ME_AR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
fibrinflatum_GA_FR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
haysi_AL_BCC3	AGGGAAGAATCTTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
haysi_TX_SJR	AGGGAAGAATCTTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
infenestrum_NC_RR	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
infenestrum_SC_RBC	AGAGAAGAACCTGTTTTATTACAAGTGTTGATGATCAGCTGGAAGTAA	[1000]
jenningsi_TN_PR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
jenningsi_NC_ER	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
jenningsi_SC_FC	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
jenningsi_PA_BR	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGACGTAA	[1000]
jenningsi_GA_AR	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
jonesi_FL_CC1	AGAGAAGAATCTTGTTTTRTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
jonesi_AL_BCC	AGAGAAGAATCTTGTTTTRTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
jonesi_NC_CC	AGAGAAGAACCTGTTTTGTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
jonesi_NC_QC	AGAGAAGAACCTGTTTTGTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
jonesi_GA_WC	AGAGAAGAATCTTGTTTTATTACAAGCGGTTGATGATCAGCTGGAGGTAA	[1000]
krebsorum_NC_MC	AGAGAATAATCTTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
krebsorum_SC_CC2	AGAGAATAATCTTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
lakei_PA_NC	AGAGAAGAACCTGTTTTRTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
lakei_SC_BR	RGAGAAGAACCTGTTTTRTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
lakei_FL_CR	AGAGAAGAACCTGTTTTRTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
lakei-Taunt_8_MA_TR	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
lakei-Taunt_9_MA_TR	AGAGAAGAACCTGTTTTRTTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
luggeri_NWT	AGAGAAGAACCTGTTTTATTGCAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
luggeri_NE_FR	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
luggeri_NC_HR	AGAGAAGAACCTGTTTTATTGCAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
luggeri_KY_GR3	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
'notiale AL BC5+6'	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
notiale_VA_BR	AGAGAAAAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
notiale_TN_CC	AGAGAAGAACCTGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
notiale_SC_RBC	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAR	[1000]

'notiale AL BC6+6'	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
nyssa_AL_BC	AGAGAARAACCTYGTTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
nyssa_ME_AR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
nyssa_VA_RR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
nyssa_ME_PR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
nyssa_NC_TR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
ozarkense_MO_GR2	AGAGAAGAACCTTGTGTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
ozarkense_MO_GR1	AGAGAAGAACCTTGTGTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
penobsco_ME_PR1	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
penobsco_ME_PR2	AGAGAAGAACCTTGTTTTTATTACAAGTGGYTGATGATCAGCTGGAAGTAA	[1000]
podostemi_NC_TR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGTTGGAAGTAA	[1000]
podostemi_GA_AS	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGTTGGAAGTAA	[1000]
podostemi_MS_BC	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGTTGGAAGTAA	[1000]
podostemi_GA_CR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGTTGGAAGTAA	[1000]
remissum_NC_NR2	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGCAA	[1000]
remissum_NC_NR1	AGAGAAGAACCTCGTGTTATTACAAGCGGTTGATGATCAGCTGGAAGTAA	[1000]
remissum_NC_NR3	AGAGAAGAACCTCGTKTTATTACAAGCGGTTGATGATCAGCTGGAAGYAA	[1000]
'snowi AL BC 4+6'	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
snowi_TN_CC	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
'snowi AL BC 4+4'	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
taxodium_GA_CC2	AGAGAAGAACCTTGTTTTTGTTACAAGCTGTTGATGATCAGCTGGAAGTAA	[1000]
taxodium_FL_CR	AGAGAAGAATCTTGTTTTTATTACAAGCGKTYGATGATCAGCTGRAAGTAA	[1000]
underhilli_AL_HC3	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAR	[1000]
underhilli_GA_FR	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]
underhilli_GA_FS	AGAGAAGAACCTCGTTTTATTACAAGCGGTTGATGATCAGCTGGAAGTAG	[1000]

tuberosum	TCGACGTCTGTAAAYTGAGYACTCGACCGTTGTGAYAATGCAGGCCAC	[1050]
verecundum	TTGACGTCTGTAGCCTGAGCGACACGACAGTTGTGGCAATGCAGGCCAC	[887]
decimatum	TCGACGTCTGTGGACTGGACGACACGACTGTTGTAGCAATGCAAGGCCAC	[1050]
apricarium	TCGACGTCTGTAGCTTGGACGACTCGACTGTTGTAGCAATGCAAGGCCAC	[1050]
reptans	TCGACGTCTGTGGACTGGCCGACTCGACTGTTGTAGCAATGCAAGSCCAG	[1050]
anchist_AL_HC	TCGACGTCTGTAGCCTGGACGACACGACGTTGTAGCAATGCAAGCCAAC	[1050]
anchist_DE_DR	TCGACGTCTGTAGCCTGGACGACACGACGTTGTAGCAATGCAAGCCAAC	[1050]
anchist_ME_AR	TCGACGTCTGTAGCCTGGACGACACGACGTTGTAGCAATGCAAGCCAAC	[1050]
anchist_NC_NR	TCGACGTCTGTAGCCTGGACGACACGACGTTGTAGCAATGCAAGCCAAC	[1050]
anchist_ME_KR	TCGACGTCTGTAGCCTGGACGACACGACGTTGTAGCAATGCAAGCCAAC	[1050]
aranti_GA_FS	TCGACGTCTGCAATCTAGACGACACGAYGGTTGTAGCAATGCAAGCCAAC	[1050]
aranti_GA_AS	TCGACGTCTGCAATCTAGACGACACGAYGGTTGTAGCAATGCAAGCCAAC	[1050]
aranti_AL_HC	TCGACGTCTGCAATCTAGACGACACGAYGGTTGTAGCAATGCAAGCCAAC	[1050]
aranti_SC_LR	TCGACGTCTGCAATCTAGACGACACGAYGGTTGTAGCAATGCAAGCCAAC	[1050]
chlorum_NC_GC3	TCGACGTCTGTGGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
chlorum_NC_GC1	TCGAYGTCTGTAGCCTGGACAACACGACGTTGTAGCAATGCAAGCCAAC	[1050]
chlorum_NC_GC4	TCGACGTCTGTAGCCTGGACGACACGACGTTGTAGCAATGCAAGCCAAC	[1050]
confusum_TN_LR	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTWGAATGCAAGCCAAC	[1050]
confusum_GA_GC	TCGACGTCTGTGGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
confusum_GA_EC	TCGACGTCTGTAGCCTGGACAACACGACGTTGTAGCAATGCAAGCCAAC	[1050]
confusum_TX_SJR	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
confusum_TX_SR	TCGACGTCTGTRGCCTGGACGACACGACAGTTGTAGCAATGCAAGTCAAC	[1050]
confusum_TX_Bayou	TCGACGTCTGTRGCCTGGACGACACGACAGTTGTAGCCATGCAAGCCAAC	[1050]
definitum_PA_LC	TCGACGTCTGCAGCCTGGACAACACGACGTTGTAGCAATGCAAGTCAAC	[1050]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
definitum_SC_GC	TCGACGTCTGYAGCCTGGACRACACGACRGTTGTAGCMATGCAAGYCAAC	[1050]
dixiense_GA_WC	TCGACGTCTGTAGCCTAGATGATACGACAGTTGTAGCAATGCAAGCCAAT	[1050]
dixiense_SC_LBC	TCGACGTCTGTAGCCTAGATGACACGACAGTTGTAGCAATGCAAGCCAAT	[1050]
dixiense_NC_QC	TCGACGTCTGTAGCCTAGATGATACGACAGTTGTAGCAATGCAAGCCAAT	[1050]
dixiense_FL_CC	TCGACGTCTGTAGCCTAGATGATACGACAGTTGTAGCAATGCAAGCCAAT	[1050]
fibrinflatum_PA_DR	TCGACGTCTGTAGCCTGGACGACACGACGTTGTAGCTATGCAAGCAAAC	[1050]
fibrinflatum_ME_AR	TTGACGTCTGTAGCCTGGACGACACGACGTTATAGCTATGCAAGCAAAC	[1050]
fibrinflatum_GA_FR	TYGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
haysi_AL_BCC3	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCCATGCAAGCCAAY	[1050]
haysi_TX_SJR	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCCATGCAAGCCAAC	[1050]
infenestrum_NC_RR	TCGACGTCTGCAGCCTGGACGACACGACGTTGTTGCAATGCAAGCYAAC	[1050]
infenestrum_SC_RBC	TCGACGTCTGCAGCCTGAACGACACGACGTTGTTGCAATGCAAGCTAAC	[1050]
jenningsi_TN_PR	TCGACGTCTGTAGCCTTGCAGACACGACAGTTGTAGCAATGCAAGCTAAC	[1050]

jenningsi_NC_ER	TCGACGTCTGTAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
jenningsi_SC_FC	TCGACGTCTGTAGCCTGGACGACWCGACAGTTGTAGCAATGCAAGCYAAC	[1050]
jenningsi_PA_BR	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCTAAC	[1050]
jenningsi_GA_AR	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCTAAC	[1050]
jonesi_FL_CC1	TCGACKTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCAAAC	[1050]
jonesi_AL_BCC	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
jonesi_NC_CC	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
jonesi_NC_QC	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
jonesi_GA_WC	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
krebsorum_NC_MC	TCGACGTCTGTAGCCTGGAGGACACGACGGTTGTGGCAATGCAAGCCAAC	[1050]
krebsorum_SC_CC2	TCGACGTCTGTAGCCTGGAGGACACGACGGTTGTGGCAATGCAAGCCAAC	[1050]
lakei_PA_NC	TCGACGTCTGTGGCCTGGACAACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
lakei_SC_BR	TCGACGTCTGTAGCCTGGACGACACRACAGTTGTWGAATGCAAGCCAAC	[1050]
lakei_FL_CR	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
lakei-Taunt_8_MA_TR	TCGACGTCTGTACCTGGACGACACGACWGTGTAGCAATGCAAGCCAAC	[1050]
lakei-Taunt_9_MA_TR	TCGACGTCTGTAGCGTGGAAAGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
luggeri_NWT	TCGACGCCTGTAGTTTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
luggeri_NE_FR	TCGACGCCTGTAGTTTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
luggeri_NC_HR	TCGACGTCTGTAGTTTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
luggeri_KY_GR3	TCGACGTCTGTWGTGGTGGACGACACGACAGTTGTAGCAATGCAAGCAAAC	[1050]
'notiale AL BC5+6'	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
notiale_VA_BR	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
notiale_TN_CC	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
notiale_SC_RBC	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
'notiale AL BC6+6'	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
nyssa_AL_BC	TCGACGTCTGYAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
nyssa_ME_AR	TCGACGTCTGTAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
nyssa_VA_RR	TCGACGTCTGTAGCCTGGATGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
nyssa_ME_PR	TCGACGTCTGTAGYCTGGACGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
nyssa_NC_TR	TCGACGTCTGTAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
ozarkense_MO_GR2	TCGACGTCTGTAGCCTAGATGATACGACGGTTGTGGCAATGCAAGCCAAC	[1050]
ozarkense_MO_GR1	TCGACGTCTGTAGCCTAGATGATACGACGGCTGTGGCAATGCAAGCCAAC	[1050]
penobsco_ME_PR1	TCGACGTCTGCAGCCTCGACGACACGACGGTTGTTGCAATGCAAGCCAAT	[1050]
penobsco_ME_PR2	TCGACGTCTGCAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCTAAC	[1050]
podostemi_NC_TR	TCGACGTCTGCAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
podostemi_GA_AS	TCGACGTCTGCAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
podostemi_MS_BC	TCGACGTCTGCAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCYAAC	[1050]
podostemi_GA_CR	TCGACGTCTGCAGCCTGGACGACACGACGGTTGTAGCAATGCAAGCCAAC	[1050]
remissum_NC_NR2	TCGACGTCTGTAGCCTGGATGACACGACGGTTGTGGCAATGCAAGCAAAC	[1050]
remissum_NC_NR1	TCGACGTCTGTAGCCTGGATGACACGACGGTTGTTGCAATGCAAGCAAAC	[1050]
remissum_NC_NR3	TCGACGTCTGTAGCCTGGATGACACGACGGTTGTTGCAATGCAAGCAAAC	[1050]
'snowi AL BC 4+6'	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
snowi_TN_CC	TYGACGTCTGTAGCCTGGACGACACGACRGTTGTAGCTATGCAAGCAAAC	[1050]
'snowi AL BC 4+4'	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
taxodium_GA_CC2	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
taxodium_FL_CR	TYGACGTCTGTAGCCTGGATGACACGACAGTTGTAGCAATGCAAGCCAAC	[1050]
underhilli_AL_HC3	TCGACGTCTGYAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]
underhilli_GA_FR	TCGACGTCTGTAGCCTGGACGACACGACRGTTGTAGCTATGCAAGCAAAC	[1050]
underhilli_GA_FS	TCGACGTCTGTAGCCTGGACGACACGACAGTTGTAGCTATGCAAGCAAAC	[1050]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
tuberosum	AATAACGTTGTTTATTTTCAAACCTTTGACCGGGACCGTACAAATGGTTGA	[1100]
verecundum	AATAACGTAGTTTATTTTCAAACCTTTGACCGGGACCGTACAAATGGTTGA	[937]
decimatum	AATAACGTGGTTTATTTTCAAACCTTTGACCGGTATCGTACAGATGGTTGA	[1100]
apricarium	AATAACGTTGTTTATTTTCAAACCTTTGACCGGGATCGTACAGATGGTTGG	[1100]
reptans	AATAACWATGTTTATTTTCAAACCTTTGACCGGGACAGTGCAGATGGTTGA	[1100]
anchist_AL_HC	AACAACGTCGTTTATATTCAAACCTTTGACCGGAAYCGTCCAGAAGGTTGA	[1100]
anchist_DE_DR	AACAACGTCGTTTATTTTCAAACCTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
anchist_ME_AR	AACAACGTCGTTTATTTTCAAACCTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
anchist_NC_NR	AACAACGTCGTTTATTTTCAAACCTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
anchist_ME_KR	AACAACGTCGTTTATTTTCAAACCTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
aranti_GA_FS	AATAACGTTGTTTATTTTCAAACCTTTGACCGGAGCCGTCCAGATGGTTGA	[1100]
aranti_GA_AS	AATAACGTTGTTTATTTTCAAACCTTTGACCGGAGCCGTCCAGATGGTTGA	[1100]
aranti_AL_HC	AATAACGTTGTTTATTTTCAAACCTTTAACC GGAGCCGTCCAGATGCTTGA	[1100]
aranti_SC_LR	AATAACGTTGTTTATTTTCAAACCTTTTRACCGGAGCCGTACAGATGSTTGA	[1100]
chlorum_NC_GC3	AATAACGCTGTTTATTTTCAAACCTTTGATCGGTACCGTCCAGATGGTTGA	[1100]
chlorum_NC_GC1	AATTACGTTGTTTATTTTCAAACCTTTGACCGGAATCGTGCAGATGGTTGA	[1100]

chlorum_NC_GC4	AATAACGCTGTTTATTTCCAAACTTTGACCGGTACCGTGCAGATGGTTGA	[1100]
confusum_TN_LR	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTACCGTSCAGATGGTTGA	[1100]
confusum_GA_GC	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTACCGTGCAGATGGTTGA	[1100]
confusum_GA_EC	AATAACGYTGTTTATTTTCCAAACTTTGACCGGWAYCGTGCAGATGGTTGA	[1100]
confusum_TX_SJR	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTACCGTGCAGATGGTTGA	[1100]
confusum_TX_SR	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTACCGTCCAGATGGTTGA	[1100]
confusum_TX_Bayou	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTACCGTGCAGATGGTTGA	[1100]
definitum_PA_LC	AATAACGCTGTTTATTTTCCAAACTTTGACCGGAACCGTGCATATGGTTGA	[1100]
definitum_SC_GC	AATAACGCTGTTTATTTTCCAAACTTTGACCGGAACCGTGCATATGGTTGA	[1100]
dixiense_GA_WC	AATAACGTTGTTTACTTCCAAACTTTGACCGGAACCGTTCAGATGGTTGA	[1100]
dixiense_SC_LBC	AATAACGTTGTTTACTTCCAAACTTTGACCGGAACCGTTCAGATGGTTGA	[1100]
dixiense_NC_QC	AATAACGTTGTTTACTTCCAAACTTTGACCGGAACCGTTCAGATGGTTGA	[1100]
dixiense_FL_CC	AATAACGTTGTTTACTTCCAAACTTTGACCGGAACCGTTCAGATGGTTGA	[1100]
fibrinflatum_PA_DR	AACAACATTGTTTATTTTCCAAACTATAACCGGAACCGTCCAGAAGGTTGA	[1100]
fibrinflatum_ME_AR	AACAACATTGTTTATTTTCCAAACTTTAACCGGAACCGTCCAGAAGGTTGA	[1100]
fibrinflatum_GA_FR	AACAACRTTGTTTATTTTCCAAACTTTAACCGGAACCGTCCAGAAGGTTGA	[1100]
haysi_AL_BCC3	GAAAACGTTGTTTATTTTCCAAACTTTGACCGGAAACGTCCAGATGGTTGA	[1100]
haysi_TX_SJR	GAAAACGTTGTTTATTTTCCAAACTTTGACCGGAAACGTCCAGATGGTTGA	[1100]
infenestrum_NC_RR	AAYAACGTTGTTTATTTTCCAAACTTTGWCCGGAACCGTCCAGAAGGTTGA	[1100]
infenestrum_SC_RBC	AATAACGTTGTTTATTTTCCAAACTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
jenningsi_TN_PR	AATAACGCTGTTTATTTTCCAAACTTTGACCGGAACCGTCCAGATGGTTGA	[1100]
jenningsi_NC_ER	AATAATGTTGTATATTTTCCAAACTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
jenningsi_SC_FC	AATAACGYTGTTTATTTTCCAAACTTTGWCCGGAATCGTGCAGAAGGTTGA	[1100]
jenningsi_PA_BR	AATAACGCTGTTTATTTTCCAAACTTTGACCGGAAACATCAAGAAGGTAGA	[1100]
jenningsi_GA_AR	AATAACGCTGTTTATTTTCCAAACTTTGACCGGAACCGTCCAGATGGTTGA	[1100]
jonesi_FL_CC1	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTACCGTGCAGATGGTTGA	[1100]
jonesi_AL_BCC	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTAMCGTGCAGATGGTTGA	[1100]
jonesi_NC_CC	AATAACGCTGTTTATTTTCCAAACTTTGACTGGTAACGTGCAGATGGTTGA	[1100]
jonesi_NC_QC	AATAACGCTGTTTATTTTCCAAACTTTGACYGGTAACGTGCAGATGGTTGA	[1100]
jonesi_GA_WC	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTACCGTGCAGATGGTTGC	[1100]
krebsorum_NC_MC	AATAACGCTGTTTATTTTCCAAACTTTGACCGGACCCGTCCAGATGGTTGA	[1100]
krebsorum_SC_CC2	AATAACGCTGTTTATTTTCCAAACTTTGACCGGACCCGTCCAGATGGTTGA	[1100]
lakei_PA_NC	AATAACGTTGTTTATTTTCCAAACTTTGGCCGGAACCGTGCAGATGGTTGA	[1100]
lakei_SC_BR	AATAACGYTGTTTATTTTCCAAACTTTGACCGGWAMCGTCCASATGGTTGA	[1100]
lakei_FL_CR	AATAACGCTRTTATTTTCCAAACTTTGACCGGTACCGTSCAGATGGTTGA	[1100]
lakei-Taunt_8_MA_TR	AATAACGCTGTTTATTTTCCAAACTTTGACCGGTATCGTGCAGATGGTTGA	[1100]
lakei-Taunt_9_MA_TR	AATAACGTTGTTTATTTTCCAAACTTTGACCGGAAACGTSCAGATGGTTGA	[1100]
luggeri_NWT	AATAACGTAGTTTATTTTCCAAACTTTGACCGGAACCGTCCAGGAGGTTGA	[1100]
luggeri_NE_FR	AATAACGYWGTATTTTCCAAACTTTGACCGGAGCCGTCCAGRAGGTTGA	[1100]
luggeri_NC_HR	AATAACGTAGTTTATTTTCCAAACTTTGACCGGAACCGTCCAGGAGGTTGA	[1100]
luggeri_KY_GR3	AATAACGCTGTTTATTTTCCAAACTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
'notiale AL BC5+6'	AACAACRTTGTTTATTTTCCAAACTTTAACCGGAACCGTCCAGAAGGTTGA	[1100]
notiale_VA_RR	AACAACATTGTTTATTTTCCAAACTATAACCGGAACCGTCCAGAAGGTTGA	[1100]
notiale_TN_CC	AACAACRTTGTTTATTTTCCAAACTTTAACCGGAACYGTCCAGAAGGTTGA	[1100]
notiale_SC_RBC	AACAACRTTGTTTATTTTCCAAACTTTAAYCGGAACCGTCCAGAAGGTTGA	[1100]
'notiale AL BC6+6'	AACAACGTTGTTTATTTTCCAAACTTTAACCGGAACGTGTCCAGAAGGTTGA	[1100]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
nyssa_AL_BC	AACAACGTCATTTATTTYCAAATTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
nyssa_ME_AR	AACAACGTCGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
nyssa_VA_RR	AACAACGTCGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
nyssa_ME_PR	AACAACGTCGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
nyssa_NC_TR	AACAACGTCGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
ozarkense_MO_GR2	AATAACGTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGATGGTTGA	[1100]
ozarkense_MO_GR1	AATAACGTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGATGGTTGA	[1100]
penobsco_ME_PR1	AACAACGTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
penobsco_ME_PR2	AMTAACGTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
podostemi_NC_TR	AATAACGCTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
podostemi_GA_AS	AATAACGCTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
podostemi_MS_BC	AATAACGCTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
podostemi_GA_CR	AATAACGCTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
remisum_NC_NR2	AACAACGTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
remisum_NC_NR1	AACAACGTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
remisum_NC_NR3	AAYAACGTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
'snowi AL BC 4+6'	AACAACGTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
snowi_TN_CC	AACAACRTTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]
'snowi AL BC 4+4'	AACAACATTGTTTATTTTCAAAYTTTGACCGGAACCGTCCAGAAGGTTGA	[1100]

taxodium_GA_CC2	AATAACGCTGTTTATTTCCAAACTTTGACCGGTACCGTGCAGATGGTTGA	[1100]
taxodium_FL_CR	AATAACGCTGTTTATTTCCAAACTTTGACCGGTRYCGTGCAGATGGTTGA	[1100]
underhilli_AL_HC3	AACAACRTTGTGTTTATTTCCAAACTTTAACCGGAACCGTCCAGAAGGTTGA	[1100]
underhilli_GA_FR	AACAACRTTGTGTTTATTTCCAAACTTTAACCGGAACCGTCCAGAAGGTTGA	[1100]
underhilli_GA_FS	AACAACGTTGTTTATTTCCAAAYTTTAAACCGGAACYGTCCAGAAGGTTGA	[1100]

tuberosum	GATTCAAACCGACAACAAACTATCCAAACCAGAAACGCTGTACGAATTAC	[1150]
verecundum	GATTCAGTCTGACAACAAACTATCGAACCCAGAAATCGCTGTACGAATTGC	[987]
decimatum	GGTTAAGGCCGACAACAAACTATCCAACCCAGAAACGCTATACGAATTGC	[1150]
apricarium	GATTCAGACCGACAACAAACTATCAAACCCAGAAACGCTGTACGAATTGC	[1150]
reptans	GATTCAGTCCGACAACAAACTGTCAAACCCAGAAACRGTGTACGAATTGC	[1150]
anchist_AL_HC	GATTCAGGCCGACAACAAATTGTCAAACCCAGAAACGCTGTACGAATTGT	[1150]
anchist_DE_DR	GATTCAGGCCGACAACARAYTGTCAAACCCAGAAACGCTGTACGAATTGT	[1150]
anchist_ME_AR	GATTCAGGCCGACAACAAATTGTCAAACCCAGAAACGCTGTATGAATTGC	[1150]
anchist_NC_NR	GATTCAGGCCGACAACAAATTGTCAARCCCAGAAACGCTGTAYGAATTGC	[1150]
anchist_ME_KR	GATTCAGGCCGACAACAAACTGTCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
aranti_GA_FS	AATTCAGACCGACAACAAACTGTCAAACCTAGAAACGCTGTACGAATTGC	[1150]
aranti_GA_AS	AATTCAGACCGACAACAAACTGTCAAACCTAGAAACGCTGTACGAATTGC	[1150]
aranti_AL_HC	AATTCAGACCGACAACAAACTRTCAAACCTAGAAACGCTGTACGAATTGC	[1150]
aranti_SC_LR	AATTCAGACCGACAACAAACTRTCAGACCYAGAAACGCTGTACGAATTGC	[1150]
chlorum_NC_GC3	GATTCAGACTGACAACAAATTGTCAAGCCCAGAAACGCTGTATGAATTAC	[1150]
chlorum_NC_GC1	GATTCAGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
chlorum_NC_GC4	GATTCGGACCGACAACAAATTGTATGCCAGAAACGCTGTACGAATTGC	[1150]
confusum_TN_LR	GATTCAGACTGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAAATGC	[1150]
confusum_GA_GC	GATTCAGACCGACAATAAATTGTAAAGCCCAGAAATGCTGTACGAATTGC	[1150]
confusum_GA_EC	GATTCASACCGACAACAAATTGTCAAGCCCAGAAACKCTGTACGAATTGC	[1150]
confusum_TX_SJR	GATTCRGACYGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGY	[1150]
confusum_TX_SR	GATTCAGACTGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
confusum_TX_Bayou	GATTCGGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
definitum_PA_LC	AATTCAGACCGACAACAAATTGTCAAACCCAGAAACGCTTTACGAATTGT	[1150]
definitum_SC_GC	AATTCAGACCGACAACAAATTGTCAAACCCAGAAACGCTGTACGAATTGT	[1150]
dixiense_GA_WC	GGTTCAGACCGACAACAAATTGTCAAACCCAGAAACGCTGTACGCATTGC	[1150]
dixiense_SC_LBC	GGTTCAGACCGACAACAAATTGTCAAACCCAGAAACGCTGTACGMATTGC	[1150]
dixiense_NC_QC	GGTTCAGACCGACAACAAATTGTCAAACCCAGAAACGCTGTACGAATTGC	[1150]
dixiense_FL_CC	GGTTCAGACCGACAACAAATTGTCAAACCCAGAAACGCTGTACGCATTGC	[1150]
fibrinflatum_PA_DR	AATTCAGGCCGACAACAAATTGTCAAACCCAGAAACGCTGTACGAATTGC	[1150]
fibrinflatum_ME_AR	GATTCAGGCCGACAACAAATTGTACACCCCTGAAACGCTGTACGAATTGC	[1150]
fibrinflatum_GA_FR	GATTCAGGCCGACAACAAAGTGTACACCCAGAAACTCTGTACGAATTGC	[1150]
haysi_AL_BCC3	GATTCGGACCGACAACAAATTATCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
haysi_TX_SJR	GATTCGGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
infenestrum_NC_RR	GATTCAGGYCGACAACAAATTGTCAACCCAGAAACGCTGTAYGAATTGC	[1150]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
infenestrum_SC_RBC	GATTCAGGTCGACAACAAATTGTCAAACCCAGAAACGCTGTATGAATTGT	[1150]
jenningsi_TN_PR	GATTCAGACCGACAACAAATTTGTCAAACCCAGAAACGCTGTATGAATTGC	[1150]
jenningsi_NC_ER	GATTCAGGTCGACAACAAATTGTCAAACCCAGAAACGCTGTACGAATTGC	[1150]
jenningsi_SC_FC	GATTAAGACCGACAACAAATTGTCAAACCCAGAAWCRCTGTACGAATTGC	[1150]
jenningsi_PA_BR	GATTCAGGTCGACAACAAATTGTCAAACCCAGAAACGCTGTATGAATTGC	[1150]
jenningsi_GA_AR	GATTCAGACCGACAACAAATTGTCAAACCCAGAAACGCTGTATGAATTGT	[1150]
jonesi_FL_CC1	GATTCAGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGT	[1150]
jonesi_AL_BCC	GATTCAGACCGACAACAAATTGTCAARCCCAGAAACGCTGTACGAATTGT	[1150]
jonesi_NC_CC	GATTCGGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGT	[1150]
jonesi_NC_QC	GATTCGGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGT	[1150]
jonesi_GA_WC	AATTCAGACCGACAACAAATTGTCAATCCCAGAAACGCTGTACGAATTGT	[1150]
krebsorum_NC_MC	AATCCAGACCGACAACAAACTATCAAACCCGGAACGCTGTACGAATTGC	[1150]
krebsorum_SC_CC2	AATCCAGACCGACAACAAACTATCAAACCCGGAACGCTGTACGAATTGC	[1150]
lakei_PA_NC	GATTCAGACTGATAACAAATTGTCAAGTCCAGAAACGCTGTACGAATTGC	[1150]
lakei_SC_BR	GATTCAGACTGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
lakei_FL_CR	RATTCAGACTGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
lakei-Taunt_8_MA_TR	GATTCRGACCGACRAYAAAYTRTCAARCCCAGAAACGCTGTACGAATTGC	[1150]
lakei-Taunt_9_MA_TR	GATTCAAACCGACAACAAAYTGTCAAGCCCAGAAACGCTGTACGAATTGT	[1150]
luggeri_NWT	AATTCAGACCGACAATAAATTGTCAAACCCAGAAATGCTGTTTCAGAATTGC	[1150]
luggeri_NE_FR	AATTCAGRCCGACAAYAAATTGTCAARCCCAGAAATGCTGTTTCAGAATTGC	[1150]
luggeri_NC_HR	AATTCAGACCGACAATAAATTGTCAAACCCAGAAATGCTGTTTCAGAATTGC	[1150]
luggeri_KY_GR3	AATTCAGACCGACAACAAATTGTCAAGCCCAGAAATGCTGTTTCAGAATTGC	[1150]

'notiale AL BC5+6'	AATTCRGGCCGACAACAAATTGTCAAACCCAGAAACTCTGTACGAATTGC	[1150]
notiale_VA_RR	GATTCAGGCCGACAACAAATTGTCAAACCCGAAACGCTGTACGAATTGC	[1150]
notiale_TN_CC	GATTCAGGCCGACAACAAATTGTCAAACCCGAAACTCTGTACGAATTGC	[1150]
notiale_SC_RBC	RATTCRGGCCGACAACAAATTGTCAAACCCAGAAACKCTGTACGAATTGC	[1150]
'notiale AL BC6+6'	GATTCAGGCCGACAACAAATTGTCAAACCCAGAAACTCTGTACGAATTGC	[1150]
nyssa_AL_BC	GATTCAGRCCGACAACAAATTGTCAAACCCAGAAACGCTGTATGAATTGC	[1150]
nyssa_ME_AR	GATTCAGRCCGACAACAAATTGTCAAACCCAGAAAYGCTGTAYGAATTGC	[1150]
nyssa_VA_RR	GATTCAGGCCGACAACAACTGTCAARCCGAGAAACGCTGTACGAATTGC	[1150]
nyssa_ME_PR	GATTCAGRCCGACAACAAATTGTCAAACCCAGAAACGCTGTAYGAATTGC	[1150]
nyssa_NC_TR	GATTCAGACCGACAACAAATTGTCAAACCCAGAAACGCTGTAYGAATTGC	[1150]
ozarkense_MO_GR2	GATTCAGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGT	[1150]
ozarkense_MO_GR1	GATTCAGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTACGAATTGT	[1150]
penobsco_ME_PR1	GATTCAGGTTCGACAACAAATTGTCAAACCCAGAAACGCTGTACGAATTGC	[1150]
penobsco_ME_PR2	GATTCAGGTTCGACAACAAATTGTCAAACCCAGAAACGCTGTATGAATTGT	[1150]
podostemi_NC_TR	GATTCAGACCAACAACAAATTTTCAAACCCGAAACGCTTTACGAATTGC	[1150]
podostemi_GA_AS	GATTCAGACCRACAACAAATTTTCAAACCCGAAACGCTTTACGAATTGC	[1150]
podostemi_MS_BC	GATTCAGACCAACAACAAATTTTCAAACCCGAAACGCTTTACGAATTGC	[1150]
podostemi_GA_CR	GATTCAGACCRACAACAAATTTTCAAACCCGAAACGCTTTACGAATTGC	[1150]
remissum_NC_NR2	GATTCAGGTTCGRACAACAAATTGTCAAATCCAGAAACGCTGTATGAATTGT	[1150]
remissum_NC_NR1	GATTCAGGTTCGRACAACAAATTGTCAAATCCAGAAACGCTGTATGAATTGT	[1150]
remissum_NC_NR3	GATTCAGRYCRAMAACAAATTGTCTRCACCCAGAAAYGCTGTATGAATTGT	[1150]
'snowi AL BC 4+6'	GATTCAGGCCGACAACAAATTGTCAAACCCAGAAACTCTGTACGAATTGC	[1150]
snowi_TN_CC	GATTCAGGCCGACAACAAATTGTCAAACCCWGAACKCTGTACGAATTGC	[1150]
'snowi AL BC 4+4'	GATTCAGGCCGACAACAAATTGTCAAACCCAGAAACGCTGTACGAATTGC	[1150]
taxodium_GA_CC2	GATTCGGACCGACAACAAATTGTCAAGCCCAGAAACGCTGTAYGAATTGC	[1150]
taxodium_FL_CR	GATTCGGACCGACAAYRAATTGTCAAGCCCAGAAACGCTGTACGAATTGC	[1150]
underhilli_AL_HC3	AATTCGGGCCGACAACAAATTGTCAAACCCAGAAACTCTGTACGAATTGC	[1150]
underhilli_GA_FR	AATTCGGGCCGACAACAAATTGTCAAACCCAGAAAGCTCTGTACGAATTGC	[1150]
underhilli_GA_FS	RATTCAGGCCGACAACAAATTGWCAAACCCAGAAACTCTGTACGAATTGC	[1150]

tuberosum	CTGATGTTTGTGACAAGTTGCAAAATCGCTAAAAACAATGTACACCCGGCT	[1200]
verecundum	CAGATATTTGTGACAAGATTGAAATCGCTCAAATAACCGACATATGGCT	[1037]
decimatum	CTGATATTTGTGATAAAATTAATATCGCACGAAACAACGGACAACCCGGCT	[1200]
apricarium	CTGATATTTGTGATAAGTTGGAATTCGCACGAAAAAACGGACAACCCGGCT	[1200]
reptans	CCGATATTTGTGACAAGATTGAAATCRCACGAMACAACGGGCAACCCGGCT	[1200]
anchist_AL_HC	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAACGGAAAAAGTGGCT	[1200]
anchist_DE_DR	CTGATATTTGTGACAAGATWGAATTCGTACAAARCAACGGAAAAAGTGGCT	[1200]
anchist_ME_AR	CTGATATTTGTGACAAGATTGAAATCGTACAAAGCAACGGAAAAAGTGGCT	[1200]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
anchist_NC_NR	CTGATATTTGTGACAAGATTGAAATCGTACAAARCAACGGAAAAAGTGGCT	[1200]
anchist_ME_KR	CTGATATTTGTGACAAGATTGAAATCGTACAAAGCAACGGAAAAAGTGGCT	[1200]
aranti_GA_FS	CTGATATTTGTGACAAGATAGAAATCGTACAATACAACAGTAAAGTGGCT	[1200]
aranti_GA_AS	CTGATATTTGTGACAAGATAGAAATCGTACAATACAACAGTAAAGTGGCT	[1200]
aranti_AL_HC	CTGATATTTGTGACAAGATTGAAATCGTACAATACAACAGTAAAGTGGCT	[1200]
aranti_SC_LR	CTGATATTTGTGACAAGATAGAAATCGTACAATACAACAGTAAAGTGGCT	[1200]
chlorum_NC_GC3	TTGATATTTGTGACAAGATTGAAATCGTACAAAACAACAGTAAAGTGGCT	[1200]
chlorum_NC_GC1	CTGATATTTGTGACAAAATTGAAATCGTACAAAACAACAGTAAAGTGACT	[1200]
chlorum_NC_GC4	CTGATATTTGTGACAAAATTGAAATCGTACAAAACAAYAGTAATGTGGCT	[1200]
confusum_TN_LR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAYRAAAAAGTGGCT	[1200]
confusum_GA_GC	CTGATATTTGTGATAAGATTGAAATCGTACAAAACAATAGTAAAGTGGCT	[1200]
confusum_GA_EC	CTGATATTTGTGACAAAATTGAAATCGTACAAAACAAYAGTMAAGTGGCY	[1200]
confusum_TX_SJR	CTGATRTTTGTGAYAAAGATTGAAATCGTACAAAACAATAGTAAAGTGRCT	[1200]
confusum_TX_SR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAACAGTAAAGTGGCT	[1200]
confusum_TX_Bayou	CTGATATTTGTGATAAGATTGAAGTCGTACAAAACAACGGAAAAAGTGA	[1200]
definitum_PA_LC	CTGATGTTTGTGACAAGATTGAAATCGTACAAAACAATAGTAAAGTGGCT	[1200]
definitum_SC_GC	CTGATRTTTGTGACAAGATTGAAATCGTACAAAACAATAGTAAAGTGGCT	[1200]
dixiense_GA_WC	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAAGGAAAAAGTGGCT	[1200]
dixiense_SC_LBC	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAAGGAAAAAGTGGCT	[1200]
dixiense_NC_QC	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAAGGAAAAAGTGGCT	[1200]
dixiense_FL_CC	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAAGGAAAAAGTGGCT	[1200]
fibrinflatum_PA_DR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAATGGCT	[1200]
fibrinflatum_ME_AR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAAGTGGCT	[1200]
fibrinflatum_GA_FR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAAGTGGCT	[1200]
haysi_AL_BCC3	TTGATATTTGTGACAAGATTGAAATCGTACAAAACAAGGAAAAAGTGGCT	[1200]

haysi_TX_SJR	TTGATATTTGTGACAAGATTGAAATCGTACAAAACAAGGGAAAAGTGGCT	[1200]
infenestrum_NC_RR	CTGATATTTGTGACAAGATTGAAATCGYACAAAACAACRGWAAAAGTGGCT	[1200]
infenestrum_SC_RBC	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACAGTAAAGTGGCT	[1200]
jenningsi_TN_PR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTGGCT	[1200]
jenningsi_NC_ER	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACAGAAAAGTGGCT	[1200]
jenningsi_SC_FC	CWGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTGGYT	[1200]
jenningsi_PA_BR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACAGTAAAGTGGCT	[1200]
jenningsi_GA_AR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACAGTAAAGTGTCT	[1200]
jonesi_FL_CC1	CTGATGTTTGTGACAAGATTGAAATCGTACAGAAACAATAGTAAAGTGGCT	[1200]
jonesi_AL_BCC	CTGATGTTTGTGACAAGATTGAAATCGTACAAAACAATAAARAGTGGCT	[1200]
jonesi_NC_CC	CTGATGTTTGTGACAAGATTGAAATCGTACAAAACAATAAATAAGTGGCT	[1200]
jonesi_NC_QC	CTGATRTTTGTGACAAGATTGAAATCGTACAAAACAATARTAAAGTGGCT	[1200]
jonesi_GA_WC	CAGATGTTTGTGACAAGATTGAAATCGTACAAAACAACGAAAAGTGATT	[1200]
krebsorum_NC_MC	CTGATGTTTGTGACAAGATAGAAATCGTACAAAACAATAGTAAAGTGGCT	[1200]
krebsorum_SC_CC2	CTGATGTTTGTGACAAGATAGAAATCGTACAAAACAATAGTAAAGTGGCT	[1200]
lakei_PA_NC	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAATAGTAAAGTGGCT	[1200]
lakei_SC_BR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAYRAAAAAGTGGCT	[1200]
lakei_FL_CR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAYAGWAAAAGTGACT	[1200]
lakei-Taunt_8_MA_TR	CYGATATTTGTGAYAAGATTGAARTCGTACAAAACAACGRAAAAGTGRCT	[1200]
lakei-Taunt_9_MA_TR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAACGAAAAGTGGCT	[1200]
luggeri_NWT	CTGATATTTGTGACAAGATCGAAATCGTGCAAAAACAARGGAAAAGTGGCT	[1200]
luggeri_NE_FR	CTGATATTTGTGACAAGATCGAAATCGTGCAAAAACAAGGGAAAAGTGGCT	[1200]
luggeri_NC_HR	CTGATATTTGTGACAAGATCGAAATCGTGCAAAAACAAGGAAAAGTGGCT	[1200]
luggeri_KY_GR3	CTGATATTTGTGACAAGATCGAAATCGTGCAAAAACAAGGAAAAGTGGCT	[1200]
'notiale AL BC5+6'	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
notiale_VA_RR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
notiale_TN_CC	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
notiale_SC_RBC	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACSTAAAAGTGGCT	[1200]
'notiale AL BC6+6'	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
nyssa_AL_BC	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAACGGARAAGTGGCT	[1200]
nyssa_ME_AR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAACGGARAAGTGGCT	[1200]
nyssa_VA_RR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAACGGAGAAGAGGCT	[1200]
nyssa_ME_PR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAACGGARAAGTGGCT	[1200]
nyssa_NC_TR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAACGGARAAGTGGCT	[1200]
ozarkense_MO_GR2	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAGGGAAAAGCRGCT	[1200]
ozarkense_MO_GR1	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAGGGAAAAGCGGCT	[1200]
penobsco_ME_PR1	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACAGTAAAGTRGCT	[1200]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
penobsco_ME_PR2	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACAGTAAAGTGGCT	[1200]
podostemi_NC_TR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTGRCT	[1200]
podostemi_GA_AS	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTGGCT	[1200]
podostemi_MS_BC	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTGGCT	[1200]
podostemi_GA_CR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTGRCT	[1200]
remissum_NC_NR2	CCGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTATCT	[1200]
remissum_NC_NR1	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTRGCT	[1200]
remissum_NC_NR3	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAACGGAAAAGTGGCT	[1200]
'snowi AL BC 4+6'	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
snowi_TN_CC	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
'snowi AL BC 4+4'	CTGATRTTTGTGACAAGWTTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
taxodium_GA_CC2	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAAYAGTAAAGTGGCT	[1200]
taxodium_FL_CR	CTGATATTTGTGACAAGATTGAAATCGTACAAAACAATARTAAAGTGGCT	[1200]
underhilli_AL_HC3	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
underhilli_GA_FR	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
underhilli_GA_FS	CTGATATTTGTGACAAGATTGAAATCGCACAAAACAGCTGTAAAGTGGCT	[1200]
tuberosum	CAGGTCTATGCCCTCAAATATCGTCACAATTTGTACTGTAACCAAAAAGAA	[1250]
verecundum	CAGGTCTATGCGTTCAAACATCGTAACAATTTGTACTGCAACCAAAAAGAA	[1087]
decimatum	CAAGTTTATGCGCTGAAA-----	[1218]
apricarium	CAGGTTTACGCACTGAAATACCGTCAAAATTTGTACTGCAACCAAAAAGAA	[1250]
reptans	CAAGTTTACRCGTGAAATATCGTCACAATTTGTACTGTAACCAAAAAGAA	[1250]
anchist_AL_HC	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
anchist_DE_DR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
anchist_ME_AR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
anchist_NC_NR	CAGGTCTATGCTCTGAAATRTCGTGGCAATTTGTRTTGTAACCMAAAAGAA	[1250]

anchist_ME_KR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
aranti_GA_FS	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGCAACGAAAAGAA	[1250]
aranti_GA_AS	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGCAACGAAAAGAA	[1250]
aranti_AL_HC	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAACGAAAAGAA	[1250]
aranti_SC_LR	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAACGAAAAGAA	[1250]
chlorum_NC_GC3	CARGTCTACGCACTGAAATATCGTGGCAATTTATATTGTAACCAAAAAGAA	[1250]
chlorum_NC_GC1	CAAGTGTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
chlorum_NC_GC4	CAGGTCTATGCACTGAAATATCGTRGCAATTTGTATTGTAACCAAAAAGAA	[1250]
confusum_TN_LR	CAGGTCTATGCACTGAAATATCGTAGCAATTTGTATTGTAACCAAAAAGAA	[1250]
confusum_GA_GC	CAGGTCTATGCGCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
confusum_GA_EC	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTRTTGTAACCAAAAAGAA	[1250]
confusum_TX_SJR	CAGGTCTATGCACTGAAATATCGTGGYAATTTGTATTGTAACCAAAAAGAA	[1250]
confusum_TX_SR	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
confusum_TX_Bayou	CAGGTGTATGCACTGAAATATCGTGGTAATTTGTATTGTAACCAAAAAGAA	[1250]
definitum_PA_LC	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
definitum_SC_GC	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
dixiense_GA_WC	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAATCAAAAAGAA	[1250]
dixiense_SC_LBC	CAGGTCTATGCACTGAAATATCGTGGAAATTTGTATTGTAATCAAAAAGAA	[1250]
dixiense_NC_QC	CAGGTCTATGCACTGAAATATCGTGGAAATTTGTATTGTAATCAAAAAGAA	[1250]
dixiense_FL_CC	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAATCAAAAAGAA	[1250]
fibrinflatum_PA_DR	CAGGTGTATGCAYTGAAATAYCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
fibrinflatum_ME_AR	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
fibrinflatum_GA_FR	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
haysi_AL_BCC3	CARGTCTATGCACTGAAATATCGTGGCAACTTGTATTGTAACCAAAAAGAA	[1250]
haysi_TX_SJR	CAGGTCTATGCACTGAAATATCGTGGCAACTTGTATTGTAACCAAAAAGAA	[1250]
infeestrum_NC_RR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
infeestrum_SC_RBC	CAGGTSTATGCTCTGAAATATCGTGGCAATTTGTATTGYAACCAAAAAGAA	[1250]
jenningsi_TN_PR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
jenningsi_NC_ER	CAGGTGTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAACAGAA	[1250]
jenningsi_SC_FC	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
jenningsi_PA_BR	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
jenningsi_GA_AR	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
jonesi_FL_CCI	CATGTCTATGCACTGAAATATCGCGGCCATTTGTATTGTAACCAAAAAGAA	[1250]
jonesi_AL_BCC	CATGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
jonesi_NC_CC	CATGTCTATGCACTGAAATATCGCGGCCATTTGTATTGTAACCAAAAAGAA	[1250]
jonesi_NC_QC	CATGTCTATGCACTGAAATATCGYGGCCATTTGTATTGTAACCAAAAAGAA	[1250]
jonesi_GA_WC	CAAGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
krebsorum_NC_MC	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
krebsorum_SC_CC2	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
lakei_PA_NC	CAGGTCTATGCACTGAAATATCGTGGYAATTTGTATTGTAACCAAAAAGAA	[1250]
lakei_SC_BR	CAGGTSTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
lakei_FL_CR	CAGGTSTATGCACTGAAATATCGTGGYAATTTGTATTGTAACCAAAAAGAA	[1250]
lakei-Taunt_8_MA_TR	CARGTCTATGCWCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
lakei-Taunt_9_MA_TR	CAGGTGTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
luggeri_NWT	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
luggeri_NE_FR	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
luggeri_NC_HR	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
luggeri_KY_GR3	CAGGTCTATGCACTGAAATATCGTTACAATTTGTATTGCAACCAAAAAGAA	[1250]
'notiale AL BC5+6'	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGYAACCAAAAAGAA	[1250]
notiale_VA_RR	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
notiale_TN_CC	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGYAACCAAAAAGAA	[1250]
notiale_SC_RBC	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
'notiale AL BC6+6'	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
nyssa_AL_BC	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
nyssa_ME_AR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
nyssa_VA_RR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
nyssa_ME_PR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
nyssa_NC_TR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
ozarkense_MO_GR2	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
ozarkense_MO_GR1	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
penobsco_ME_PR1	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
penobsco_ME_PR2	CAKGTGTATGCATTGAAATATCGTGGCAATTTGTATTGCAACCAAAAAGAA	[1250]
podostemi_NC_TR	CAGGTCTATGCTCTGAAATATCGTGRCAATTTATATTGTAACCAAAAAGAA	[1250]
podostemi_GA_AS	CAGGTCTATGCTCTGAAATATCGTGGCAATTTATATTGTAACCAAAAAGAA	[1250]
podostemi_MS_BC	CAGGTCTATGCTCTGAAATATCGTGGMAATTTATATTGTAACCAAAAAGAA	[1250]

podostemi_GA_CR	CAGGTCTATGCTCTGAAATATCGTGGCAATTTATATTGTAACCAAAAAGAA	[1250]
remissum_NC_NR2	CAGGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
remissum_NC_NR1	CARGTCTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
remissum_NC_NR3	CAGGTYTATGCTCTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
'snowi_AL_BC_4+6'	CARGTGTATGCATTGAAATAGCGTGGCACTTTGTATTGTAACCAAAAAGAA	[1250]
snowi_TN_CC	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
'snowi_AL_BC_4+4'	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
taxodium_GA_CC2	CAGRTCTATGCACTGAAATATCGTGGYAATTTGTATTGTAACCAAAAAGAA	[1250]
taxodium_FL_CR	CAGGTCTATGCACTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
underhilli_AL_HC3	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
underhilli_GA_FR	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]
underhilli_GA_FS	CAGGTGTATGCATTGAAATATCGTGGCAATTTGTATTGTAACCAAAAAGAA	[1250]

tuberosum	AGTGGCCTCGGATGTGACCTCTTCCATTTGACGGATAAAATACGTGGCCTT	[1300]
verecundum	AGTGGCATCGGATGTGACCTCTTCCATTTGGCGGATAGATACGTGGCCTT	[1137]
decimatum	-----	[1218]
apricarium	AGTGGCCTCGGATGTGACCTCTTCCATTTGACGGATAGATACGTGGCCTT	[1300]
reptans	AGTGGCCTCGGATGTGACCTCTTCCATTTGACGGATAGATATGTGGCCTT	[1300]
anchist_AL_HC	AATAGCCTCGGATGTGACCTCTTCCATCTGACGGATAAAATATGTGGCCTT	[1300]
anchist_DE_DR	AATAGCCTCGGATGTGACCTCTTCCATTTACGGATAAAATATGTGGCCTT	[1300]
anchist_ME_AR	AATAGCCTCGGATGTGACCTCTTCCATTTGACGGATAAAATATGTGGCCTT	[1300]
anchist_NC_NR	AATAGCCTCGGATGTGACCTCTTCCATTTGACGGATAAAATATGTGGCCTT	[1300]
anchist_ME_KR	AATAGCCTCGGATGTGACCTCTTCCATTTGACGGATAAAATATGTGGCCTT	[1300]
aranti_GA_FS	AATGGCATCGGATGTGACCTCTTTCATTTGACGGATAGATATGTGGCAT	[1300]
aranti_GA_AS	AATGGCATCGGATGTGACCTCTTTCATTTGACGGATAGATATGTGGCAT	[1300]
aranti_AL_HC	AATGGCATCGGATGTGACCTCTTTCATTTGACGGATAGATATGTGGCAT	[1300]
aranti_SC_LR	AATGGCCTCGGATGTGACCTCTTTCATTTGACGGATAGATATGTGGCAT	[1300]
chlorum_NC_GC3	AATAGCCTCGGATGTGACCTCTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
chlorum_NC_GC1	AATAGCCTCGGATGTGACATCTTCCATTTGACGGATAAAATATGTGGCGT	[1300]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
chlorum_NC_GC4	AATAGCCTCGGATGTGACWTCTTTCCATTTGACGGATAAAATATGTGGCRT	[1300]
confusum_TN_LR	AATAGCTTCGGATGTGACCTCTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
confusum_GA_GC	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
confusum_GA_EC	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCRT	[1300]
confusum_TX_SJR	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
confusum_TX_SR	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
confusum_TX_Bayou	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
definitum_PA_LC	AATAGCCTCGGATGTTACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
definitum_SC_GC	AATAGCCTCGGATGTTACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
dixiense_GA_WC	AATGGCCTCAGATGTGACCTCTTTTCATTTGACGGATCAATATGTGGCAT	[1300]
dixiense_SC_LBC	AATGGCCTCAGATGTGACCTCTTTTCATTTGACGGATCAATATGTGGCAT	[1300]
dixiense_NC_QC	AATGGCCTCAGATGTGACCTCTTTTCATTTGACGGATCAATATGTGGCAT	[1300]
dixiense_FL_CC	AATGGCCTCAGATGTGACCTCTTTTCATTTGACGGATCAATATGTGGCAT	[1300]
fibrinflatum_PA_DR	AATGGCTTCGGATGTGACCTCTTTCCACTTGACAGATAAAATATGTAGCAT	[1300]
fibrinflatum_ME_AR	GATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
fibrinflatum_GA_FR	GATGGCYTCGGATGTGACCTCTTTCCATTTGACRGATAAAATATGTAGCAT	[1300]
haysi_AL_BCC3	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATCAATATGTGGCAT	[1300]
haysi_TX_SJR	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATCAATATGTGGCAT	[1300]
infenestrum_NC_RR	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCCT	[1300]
infenestrum_SC_RBC	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCCT	[1300]
jenningsi_TN_PR	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGCGGT	[1300]
jenningsi_NC_ER	AATGGCCTCGGATGTGACCTCTTTTCATTTGACGGATAAAATATGTGGCAT	[1300]
jenningsi_SC_FC	AATGGCCTCGGATGTGACYCTCTTTTCATTTGACGGATAAAATATGTSGCRT	[1300]
jenningsi_PA_BR	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGCGGT	[1300]
jenningsi_GA_AR	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGCGCAT	[1300]
jonesi_FL_CC1	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
jonesi_AL_BCC	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCRT	[1300]
jonesi_NC_CC	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
jonesi_NC_QC	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
jonesi_GA_WC	AATAGCCTCGGATGTGACTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
krebsorum_NC_MC	AATAGCCTCGGATGTGACCTCTTTTCATTTGACGGATAAAATATGTGGCCT	[1300]
krebsorum_SC_CC2	AATAGCCTCGGATGTGACCTCTTTTCATTTGACGGATAAAATATGTGGCCT	[1300]
lakei_PA_NC	AATAGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
lakei_SC_BR	AATAGCTTCGGATGTGACMTCTTTTCATCTGACAGATAAAATATGTGGCGT	[1300]

lakei_FL_CR	AATAGCCTCGGATGTGACTTCTTTCCATTTGACGGACAAATATGTGGCGT	[1300]
lakei-Taunt_8_MA_TR	AATRGCCTCGGATGTGACTTCTTTCCATTTGACGGATAAAATATGTTRGCRT	[1300]
lakei-Taunt_9_MA_TR	AATAGCCTCGGATGTGACACTCTTTCCATTTGACGGATAAAATATGTAGCRT	[1300]
luggeri_NWT	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATCAATATGTGGCAT	[1300]
luggeri_NE_FR	AATGGCTTCGGATGTGACCTCTTTCCATTTGACGGATCAATATGTGGCAT	[1300]
luggeri_NC_HR	AATGGCCTCGGATGTGACCTCTTTTCATTTGACGGATCAATATGTGGCAT	[1300]
luggeri_KY_GR3	AATGGCCTCGGATGTGACTTCTTTCCATTTGACGGATCAATATGTGGCAT	[1300]
'notiale AL BC5+6'	RATGGCCTCGGATGTGACCTCTTTCCAYTTGACGGATAAAATATGTTRGCAT	[1300]
notiale_VA_RR	GATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
notiale_TN_CC	GATGGCCTCRGATGTGACCTCTTTCCAYTTGACGGATAAAATATGTGGCAT	[1300]
notiale_SC_RBC	GATGGCTTCGGATGTGACCTCTTTCCAYTTGACGGATAAAATATGTGGCAT	[1300]
'notiale AL BC6+6'	GATGGCCTCAGATGTGACCTCTTTCCACTTGACGGATAAAATATGTGGCAT	[1300]
nyssa_AL_BC	AATAGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCCT	[1300]
nyssa_ME_AR	AATAGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCCT	[1300]
nyssa_VA_RR	AATAGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCCT	[1300]
nyssa_ME_PR	AATAGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCCT	[1300]
nyssa_NC_TR	AATAGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCCT	[1300]
ozarkense_MO_GR2	AATAGCCTAGGATGTGACCTCTTTCCATTTGACGGATCTATATGTGGCAT	[1300]
ozarkense_MO_GR1	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATCTRTATGTGGCAT	[1300]
penobsco_ME_PR1	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
penobsco_ME_PR2	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
podostemi_NC_TR	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
podostemi_GA_AS	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
podostemi_MS_BC	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
podostemi_GA_CR	AATRGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
remissum_NC_NR2	AATAGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
remissum_NC_NR1	AATRGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
remissum_NC_NR3	AATRGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
'snowi AL BC 4+6'	GATGGCCTCAGATGTGACCTCGTTCCACTTGACGGATAAAATATGTGGCAT	[1300]
snowi_TN_CC	GATGGCYTCAGATGTGACCTCTTTCCACTTGACGGATAAAATATGTGGCAT	[1300]
'snowi AL BC 4+4'	GATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTAGCAT	[1300]
taxodium_GA_CC2	AATAGCCTCGGATGTGACTTCTTTCCATTTGACGGATAAAATATGTGGCGT	[1300]
taxodium_FL_CR	AATAGCCTCGGATGTGACTTCTTTCCATYTGACGGATAAAATATGTGGCAT	[1300]
underhilli_AL_HC3	RATGGCCTCGGATGTGACCTCTTTCCATTTGACRGATAAAATATGTTRGCAT	[1300]
underhilli_GA_FR	GATGGCTTCAGATGTGACCTCTTTCCATTTGACAGATAAAATATGTGGCAT	[1300]
underhilli_GA_FS	AATGGCCTCGGATGTGACCTCTTTCCATTTGACGGATAAAATATGTGGCAT	[1300]
tuberosum	ACACGACACTAACCCTCACTTTCATTTTCGTGAAATTGATAACCGATCACACC	[1350]
verecundum	ACACAACACTAACTCAACTTTCATTTTCGTGAAATTG---AACGATAACTCT	[1184]
decimatum	-----	[1218]
apricarium	ACACAACACTGACTCAACTTCATTTTCCTGAAATTG---ACCGATAACACC	[1347]
reptans	ACACAACCCTGACTCAACTTCATTTTCGTGAAAYTG---ACCGATAACACC	[1347]
anchist_AL_HC	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATACTGCC	[1347]
anchist_DE_DR	ACACGACACTGACTCAAYTGCAATTTTCGTGAAATTG---ACTGATACTGCC	[1347]
anchist_ME_AR	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATACTGCC	[1347]
anchist_NC_NR	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---RCTGATACTGCC	[1347]
anchist_ME_KR	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATACTGCC	[1347]
aranti_GA_FS	ACACGACCCTGACTCAACTTAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
aranti_GA_AS	ACACGACCCTGACTCAACTTAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
aranti_AL_HC	ACACGACCCTGACTCAACTTAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
aranti_SC_LR	ACACGACCCTGACTCAACTTAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
chlorum_NC_GC3	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
chlorum_NC_GC1	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
chlorum_NC_GC4	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
confusum_TN_LR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
confusum_GA_GC	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
confusum_GA_EC	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
confusum_TX_SJR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
confusum_TX_SR	ACACGAACCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
confusum_TX_Bayou	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ATTGATAACGCC	[1347]
definitum_PA_LC	ACACGAGCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
definitum_SC_GC	ACACGAGCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCC	[1347]
dixiense_GA_WC	ACACGGCTCTGACTCAACTTCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]

dixiense_SC_LBC	ACACGGCTCTGACTCAACTTCATTTCGTGAAATTG---ACTGATAACGCT	[1347]
dixiense_NC_QC	ACACGGCTCTGACTCAACTTCATTTCGTGAAATTG---ACTGATAACGCT	[1347]
dixiense_FL_CC	ACACGGCTCTGACTCAACTTCATTTCGTGAAATTG---ACTGATAACGCT	[1347]
fibrinflatum_PA_DR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
fibrinflatum_ME_AR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
fibrinflatum_GA_FR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
haysi_AL_BCC3	ACACTACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
haysi_TX_SJR	ACACTACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
infeestrum_NC_RR	ACACGACMCTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
infeestrum_SC_RBC	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
jenningsi_TN_PR	ACACGACTCTGACTCAACTGAATTTTCGTGAAATTG---GCTGATAACGCT	[1347]
jenningsi_NC_ER	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---RCTGATAACGCT	[1347]
jenningsi_SC_FC	ACACGACTCTGACTCAACTGAATTTTCGTGAAATTG---RCTGATAACGCT	[1347]
jenningsi_PA_BR	ACACGACTCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
jenningsi_GA_AR	ACACGACTCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
jonesi_FL_CC1	ACACGACCCTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
jonesi_AL_BCC	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
jonesi_NC_CC	ACACGACCCTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
jonesi_NC_QC	ACACGACCCTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
jonesi_GA_WC	ACACGACCCTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
krebsorum_NC_MC	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
krebsorum_SC_CC2	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
lakei_PA_NC	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
lakei_SC_BR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
lakei_FL_CR	ACACGACCCTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
lakei-Taunt_8_MA_TR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
lakei-Taunt_9_MA_TR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
luggeri_NWT	ACACGACCCTGACTCAACTTCATTTTGTCAAATTG---ACTGATAACGCT	[1347]
luggeri_NE_FR	ACACGACCCTGACTCAACTTCATTTTGTCAAATTG---ACTGATAACGCT	[1347]
luggeri_NC_HR	ACACGACCCTGACTCAACTTCATTTTGTCAAATTG---ACTGATAACGCT	[1347]
luggeri_KY_GR3	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ATTGATAACGCT	[1347]
'notiale AL BC5+6'	ACACGACCCTGACTCAACTGAATTTTGTGAAATTG---AGTGATAACGCT	[1347]
notiale_VA_RR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
notiale_TN_CC	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
notiale_SC_RBC	ACACGACCCTGACTCAACTGAATTTTGTGAAATTG---ACTGATAACGCT	[1347]
'notiale AL BC6+6'	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
nyssa_AL_BC	ACACGACACTGACTCARCTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
nyssa_ME_AR	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
nyssa_VA_RR	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
nyssa_ME_PR	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
nyssa_NC_TR	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
ozarkense_MO_GR2	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
ozarkense_MO_GR1	ACACGACACTGACTCAACTGCATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
penobsco_ME_PR1	ACACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
penobsco_ME_PR2	ACACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
podostemi_NC_TR	ACACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
podostemi_GA_AS	ACACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
podostemi_MS_BC	ACACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
podostemi_GA_CR	ACACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
remissum_NC_NR2	ACACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
remissum_NC_NR1	AYACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
remissum_NC_NR3	ACACGACACTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
'snowi AL BC 4+6'	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
snowi_TN_CC	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
'snowi AL BC 4+4'	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---AGTGATAACGCT	[1347]
taxodium_GA_CC2	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
taxodium_FL_CR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
underhilli_AL_HC3	ACACGACCCTGACTCAACTGAATTTTGTGAAATTG---ACTGATAACGCT	[1347]
underhilli_GA_FR	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
underhilli_GA_FS	ACACGACCCTGACTCAACTGAATTTTCGTGAAATTG---ACTGATAACGCT	[1347]
tuberosum	GACTTGAGGCAGCCCATCGAAAGCCGACGAATGGAGCGGGGCGCACGAAT	[1400]
verecundum	GACTTAAGGCAACCCATCGAAAGTCGAAGAATGGAGCGAGGTGCACGCAT	[1234]

decimatum	-----	[1218]
apricarium	GACTTAAGGCAGCCCATCGAAAGTCGACGAATGGAGCGAGGCGCGCGAT	[1397]
reptans	GACTCAAGGACAGCCCATCGAAAGTCGACGAATGGAGCGAGGCGCACGGAT	[1397]
anchist_AL_HC	GACTCAAGGCAGCCCATYGAAGCCGACGAATGGAGCGAGGCGCACGTAT	[1397]
anchist_DE_DR	GACTCAAGGCAGCCCATYGAAGCCGACGAATGGAGCGAGGCGCACGTAT	[1397]
anchist_ME_AR	GACTCAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGTAT	[1397]
anchist_NC_NR	GACTCAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGTAT	[1397]
anchist_ME_KR	GACTCAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCWCAT	[1397]
aranti_GA_FS	GATCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCTCACGAAT	[1397]
aranti_GA_AS	GATCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCTCACGAAT	[1397]
aranti_AL_HC	GATCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCKCACGAAT	[1397]
aranti_SC_LR	GATCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
chlorum_NC_GC3	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
chlorum_NC_GC1	GACTTAAGGCAGYCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
chlorum_NC_GC4	GAGCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
confusum_TN_LR	GACTTTAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
confusum_GA_GC	GAGCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
confusum_GA_EC	GACTTWAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
confusum_TX_SJR	GACTTCAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
confusum_TX_SR	GACTTCAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
confusum_TX_Bayou	GAGCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
definitum_PA_LC	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCGCGAAT	[1397]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
definitum_SC_GC	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCGCGAAT	[1397]
dixiense_GA_WC	GACTTCAGGCAGCCCATTGAAAGCCGGCGAATGGAGCGAGGTGCACGAAT	[1397]
dixiense_SC_LBC	GACTTCAGGCAGCCCATTGAAAGCCGGCGAATGGAGCGAGGTGCACGAAT	[1397]
dixiense_NC_QC	GACTTCAGGCAGCCCATTGAAAGCCGGCGAATGGAGCGAGGTGCACGAAT	[1397]
dixiense_FL_CC	GACTTCAGGCAGCCCATTGAAAGCCGGCGAATGGAGCGAGGTGCACGAAT	[1397]
fibrinflatum_PA_DR	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCGCAAT	[1397]
fibrinflatum_ME_AR	GACTTAAGGCAGCCCATYGAAGTCGACGAATGGAGCGAGGCGCGCAAT	[1397]
fibrinflatum_GA_FR	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCGCAAT	[1397]
haysi_AL_BCC3	GAGCTAAGGCAGCCTATTGAAAGCCGGCGAATGGAGCGAGGCGCACGAAT	[1397]
haysi_TX_SJR	GAGCTAAGGCAGTCCATTGAAAGCCGGCGAATGGAGCGAGGCGCACAAAT	[1397]
infenestrum_NC_RR	GAGCTAAGGCAACCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
infenestrum_SC_RBC	GACTCAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGTAT	[1397]
jenningsi_TN_PR	GACTTCAGGCAGCCTATCGAAAGCCGACGAATGGAGCGAGGCGCGCAAT	[1397]
jenningsi_NC_ER	GACTTCAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCMCAAT	[1397]
jenningsi_SC_FC	GACTTCAGGCAGCCYATCGAAAGCAGACGAATGGAGCGAGGAGCACGAAT	[1397]
jenningsi_PA_BR	TACTTCAGGCAACCTATCGAAAGCAGACGAATGGAGCGAGGCGCACGAAT	[1397]
jenningsi_GA_AR	GACTTCAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
jonesi_FL_CCL	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
jonesi_AL_BCC	GACTTCAGGCAGCCGATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
jonesi_NC_CC	GACTTAAGGCAGCCYATCGAAAGCCGACGAATGGAGCGAGGMGCACGAAT	[1397]
jonesi_NC_QC	GACTTAAGGCAGCCYATYGAAGCCGACGAATGGAGCGAGGMGCACGAAT	[1397]
jonesi_GA_WC	GACTTAAGGCAGCCTATTGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
krebsorum_NC_MC	GAGCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
krebsorum_SC_CC2	GAGCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
lakei_PA_NC	GACTTAAGGCAGCCCATTGAAAGCCGACGAATGGAGCGAGGCGCACGTAT	[1397]
lakei_SC_BR	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
lakei_FL_CR	GASCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
lakei-Taunt_8_MA_TR	GAGCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
lakei-Taunt_9_MA_TR	GASTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
luggeri_NWT	GATTTAAGGCAGCCTATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
luggeri_NE_FR	GATTTAAGGCAGCCTATCGAAAGCCGACGAATGGAGCGAGGAGCACGRAT	[1397]
luggeri_NC_HR	GATTTAAGGCAGCCTATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
luggeri_KY_GR3	GAGCTAAGGCAGCCTATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
'notiale AL BC5+6'	GACTTAAGRCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
notiale_VA_RR	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCRCGAAT	[1397]
notiale_TN_CC	GACTTAAGGCAGCCCATYGAAGTCGACGAATGGAGCGAGGCGCACGAAT	[1397]
notiale_SC_RBC	GACTYAAGGCAGCCRTCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
'notiale AL BC6+6'	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
nyssa_AL_BC	GACTCAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGTAT	[1397]
nyssa_ME_AR	GACTCAAGGCAGCCCATCGAAAGYCGACGAATGGAGCGAGGCGCACGTAT	[1397]
nyssa_VA_RR	GACTCAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGTAT	[1397]
nyssa_ME_PR	GACTCAAGGCAGCCCATCGAAAGYCGACGAATGGAGCGAGGCGCACGTAT	[1397]
nyssa_NC_TR	GACTCAAGGCAGCCCATCGAAAGTCGACGAATGGAGCGAGGCGCACGTAT	[1397]

ozarkense_MO_GR2	GACCTAAGGCAGCCCATCGAAAGTCGACGAATGGAGCGAGGMGCACGAAT	[1397]
ozarkense_MO_GR1	GACCTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
penobsco_ME_PR1	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
penobsco_ME_PR2	GAGCTAAGGCAACCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
podostemi_NC_TR	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCTCGAAT	[1397]
podostemi_GA_AS	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCTCGAAT	[1397]
podostemi_MS_BC	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCTCGAAT	[1397]
podostemi_GA_CR	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCTCGAAT	[1397]
remisum_NC_NR2	GAGCTAAGGCAACCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
remisum_NC_NR1	GAGTTAAGGCARCCCATCGAAARCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
remisum_NC_NR3	GAGCTRAGGCAACCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
'snowi_AL_BC_4+6'	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
'snowi_TN_CC	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
'snowi_AL_BC_4+4'	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGCGCACGAAT	[1397]
taxodium_GA_CC2	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
taxodium_FL_CR	GACTTAAGGCAGCCYATCGAAAGCCGACGAATGGAGCGAGGAGCACGAAT	[1397]
underhilli_AL_HC3	GACTTAAGGCAGCCCATYGAASCCGACGAATGGAGCGAGGCGCRCGAAT	[1397]
underhilli_GA_FR	GACTTAAGGCAGCCCATTTGAAAGYCGACGAATGGAGCGAGGCGCACGAAT	[1397]
underhilli_GA_FS	GACTTAAGGCAGCCCATCGAAAGCCGACGAATGGARCGAGGCGCGCAAT	[1397]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
tuberosum	CGTAACGATTGTTCCGAAAAGCTCAAAATGTGTTTTYCAACTGCCTCGTG	[1450]
verecundum	CGTAACGATTGTTCCAAAAAGTTGCAAAATGTGTCTTCCAACCTGCCTCGTG	[1284]
decimatum	-----	[1218]
apricarium	TGTAACGATTGTCCCGAAAAGTTCAAAATGTGTGTTTCCAACCTGCCTCGTG	[1447]
reptans	CGTAACGATTGTCCCGAAAAGTTCAAAATGTGTGTTTCCAACCTGCCTCGTG	[1447]
anchist_AL_HC	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
anchist_DE_DR	CGTTACGATSGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
anchist_ME_AR	CGTAACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
anchist_NC_NR	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
anchist_ME_KR	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
aranti_GA_FS	CGTAACGATTGTCCCAAAAAGTTCAAAATGTATTTTTCAACTGCCTCGTG	[1447]
aranti_GA_AS	CGTAACGATTGTCCCAAAAAGTTCAAAATGTATTTTTCAACTGCCTCGTG	[1447]
aranti_AL_HC	CGTAACGATTGTCCCAAAAAGTTCAAAATGTATTTTTCAACTGCCTCGTG	[1447]
aranti_SC_LR	CGTAACGATTGTCCCAAAAAGTTCAAAATGTATTTTTCAACTGCCTCGTG	[1447]
chlorum_NC_GC3	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
chlorum_NC_GC1	CGTRACGATCGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
chlorum_NC_GC4	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
confusum_TN_LR	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
confusum_GA_GC	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
confusum_GA_EC	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
confusum_TX_SJR	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
confusum_TX_SR	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
confusum_TX_Bayou	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
definitum_PA_LC	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
definitum_SC_GC	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
dixiense_GA_WC	CGTAACAATAGTCCCGAAAAGTTCAAAAGTGTGTTTTCCAACTGCCTCGTG	[1447]
dixiense_SC_LBC	CGTAACAATAGTCCCGAAAAGTTCAAAAGTGTGTTTTCCAACTGCCTCGTG	[1447]
dixiense_NC_QC	CGTAACAATAGTCCCGAAAAGTTCAAAAGTGTGTTTTCCAACTGCCTCGTG	[1447]
dixiense_FL_CC	CGTAACAATAGTCCCGAAAAGTTCAAAAGTGTGTTTTCCAACTGCCTCGTG	[1447]
fibrinflatum_PA_DR	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
fibrinflatum_ME_AR	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAAYTGCCTCGTG	[1447]
fibrinflatum_GA_FR	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
haysi_AL_BCC3	CGTTACGATAGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
haysi_TX_SJR	CGTTACGATAGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
infenestrum_NC_RR	CGTTACGATTGTSCCGAAGAGTTCAAAATGTGTTTTCCAAYTGCCTCGTG	[1447]
infenestrum_SC_RBC	CGTTACGATTGTGCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jenningsi_TN_PR	CGTTACGATTGTCCCAAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jenningsi_NC_ER	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jenningsi_SC_FC	CGTTACGATTGTTCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jenningsi_PA_BR	CGTTACGATTGTTCGAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jenningsi_GA_AR	CGTTACGATTGTCCCAAAAAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jonesi_FL_CC1	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jonesi_AL_BCC	CGTAACRATTGGTCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jonesi_NC_CC	CGTKACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jonesi_NC_QC	CGTKACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTGCCTCGTG	[1447]
jonesi_GA_WC	CGTGACAATTGTCCCGAAGAGTTCAAAATGTGTATTCCAACTGCCTCGTG	[1447]

krebsorum_NC_MC	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
krebsorum_SC_CC2	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
lakei_PA_NC	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
lakei_SC_BR	CGTAACAATTGTSCCGAAAAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
lakei_FL_CR	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
lakei-Taunt_8_MA_TR	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
lakei-Taunt_9_MA_TR	CGTAACAATTGTCCCGAAAAGTTCAAAATGTATTTTCCAACCTGCCTCGTG	[1447]
luggeri_NWT	CGTCACAATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
luggeri_NE_FR	CGTCACAATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
luggeri_NC_HR	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
luggeri_KY_GR3	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACCTGCCGCGTG	[1447]
'notiale AL BC5+6'	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
notiale_VA_RR	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
notiale_TN_CC	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
notiale_SC_RBC	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTYCAAYTGCCTCGTG	[1447]
'notiale AL BC6+6'	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
nyssa_AL_BC	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
nyssa_ME_AR	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
nyssa_VA_RR	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
nyssa_ME_PR	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
nyssa_NC_TR	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAATTGCCTCGTG	[1447]
ozarkense_MO_GR2	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
ozarkense_MO_GR1	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
penobsco_ME_PR1	CGTTACGATTGTGCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
penobsco_ME_PR2	CGTTACGATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACCTGCCACGTG	[1447]
podostemi_NC_TR	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
podostemi_GA_AS	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
podostemi_MS_BC	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
podostemi_GA_CR	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
remissum_NC_NR2	CGTTACGATTGTGCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
remissum_NC_NR1	CGTTACGATTGTGCCGAAGAGTTCAAAATGTGTTTTCCAACCTACCTCGTG	[1447]
remissum_NC_NR3	CGTTACGATTGTGCCGAAGAGTTCAAAATGTGTTTTCCAACCTACCTCGTG	[1447]
'snowi AL BC 4+6'	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
snowi_TN_CC	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
'snowi AL BC 4+4'	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
taxodium_GA_CC2	CGTAACAATTGTCCCGAAAAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
taxodium_FL_CR	MGTTACAATTGTCCCGRAAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
underhilli_AL_HC3	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
underhilli_GA_FR	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACCTGCCTCGTG	[1447]
underhilli_GA_FS	CGTTACGATTGTCCCGAAGAGTTCAAAATGTGTTTTCCAACTRCCTCGTG	[1447]
tuberosum	GCAATTTGGAAGTCATCCATCCRCGGTTGCTGTCGATTCACTTGATTGGG	[1500]
verecundum	GCAATTTGGAAGTCATTCATCCGCGATTGCTGTCAATTCGCCTAATTGKA	[1334]
decimatum	-----	[1218]
apricarium	GCAATTTGGAAGTAATCCATCCGCGATTGCTATCGATTACCTTATTGGG	[1497]
reptans	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATCGGG	[1497]
anchist_AL_HC	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTCACCTAATTGGG	[1497]
anchist_DE_DR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTCACCTAATTGGG	[1497]
anchist_ME_AR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTCACCTAATTGGG	[1497]
anchist_NC_NR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTCACCTAATTGGG	[1497]
anchist_ME_KR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTCACCTAATTGGG	[1497]
aranti_GA_FS	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
aranti_GA_AS	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
aranti_AL_HC	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
aranti_SC_LR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
chlorum_NC_GC3	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
chlorum_NC_GC1	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
chlorum_NC_GC4	GCAATTTAGAAGTCATCCATCCGCGATTGCTGTCGATTCACTTGATTGGG	[1497]
confusum_TN_LR	GCAATTTGGAAGTAATTCATCCGCGATTGCTATCGATTACCTGATTGGG	[1497]
confusum_GA_GC	GCAATTTGGAAGTAATTCATCCGCGATTGCTATCGATTACCTGATTGGG	[1497]
confusum_GA_EC	GCAATTTGGAAGTAATTCATCCGCGATTGCTRTCGATTACCTGATTGGG	[1497]
confusum_TX_SJR	GCAATTTGGAAGTCATYCATCCGCGATTGCTRTCGATTACCTGATTGGG	[1497]
confusum_TX_SR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]

confusum_TX_Bayou	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
definitum_PA_LC	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGR	[1497]
definitum_SC_GC	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
dixiense_GA_WC	GCAATTTGGAAGTAATTCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
dixiense_SC_LBC	GCAATTTGGAAGTAATTCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
dixiense_NC_QC	GCAATTTGGAAGTAATTCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
dixiense_FL_CC	GCAATTTGGAAGTAATTCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
fibrinflatum_PA_DR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
fibrinflatum_ME_AR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
fibrinflatum_GA_FR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
haysi_AL_BCC3	GCAACTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
haysi_TX_SJR	GCAACTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
infenestrum_NC_RR	GCAATTTGGARGTCATYCATCCSCGATTGCTGTCRATTACCTGATTGGG	[1497]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
infenestrum_SC_RBC	GSAATTTGGAAGTCATCCATCCRCGATTGCTGTCGATTACCTGATTGGG	[1497]
jenningsi_TN_PR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
jenningsi_NC_ER	GCAAWTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGAWTGGG	[1497]
jenningsi_SC_FC	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
jenningsi_PA_BR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
jenningsi_GA_AR	GTAATTTGGAAGTCATCCATCCCGATTGCTGTCGATTACCTGATTGGG	[1497]
jonesi_FL_CC1	GCAATTTGGAAGTCATCCATCCGCGATTACTGTCGATTACCTGATTGGG	[1497]
jonesi_AL_BCC	GCAATTTGGAAGTCATCCATCCGCGATTACTGTCGATTACCTGATTGGG	[1497]
jonesi_NC_CC	GCAATTTGGAAGTCATCCATCCGCGATTACTGTCGATTACCTGATTGGG	[1497]
jonesi_NC_QC	GCAATTTGGAAGTCATCCATCCGCGATTACTGTCGATTACCTGATTGGG	[1497]
jonesi_GA_WC	GCAATTTGGAAGTCATCCATCCGCGATTACTGTCGATTACCTGATTGGG	[1497]
krebsorum_NC_MC	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGA	[1497]
krebsorum_SC_CC2	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGA	[1497]
lakei_PA_NC	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
lakei_SC_BR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
lakei_FL_CR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
lakei-Taunt_8_MA_TR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
lakei-Taunt_9_MA_TR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
luggeri_NWT	GCAATTTGGAAGTCATCCATCCRCGATTGCTGTCGATTACCTGATTGGG	[1497]
luggeri_NE_FR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
luggeri_NC_HR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
luggeri_KY_GR3	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
'notiale AL BC5+6'	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
notiale_VA_RR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
notiale_TN_CC	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
notiale_SC_RBC	GYAATTTGGAAGTCATYCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
'notiale AL BC6+6'	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
nyssa_AL_BC	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTACCTAATTGGG	[1497]
nyssa_ME_AR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTACCTAATTGGG	[1497]
nyssa_VA_RR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTACCTAATTGGG	[1497]
nyssa_ME_PR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTACCTAATTGGG	[1497]
nyssa_NC_TR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTACCTAATTGGG	[1497]
ozarkense_MO_GR2	GCAATTTGGAAGTCATCCATCCRCGATTGCTGTCGATTACCTGATTGGA	[1497]
ozarkense_MO_GR1	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGA	[1497]
penobsco_ME_PR1	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTACCTGATAGGG	[1497]
penobsco_ME_PR2	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
podostemi_NC_TR	GCAATTTAGAAGTCATTCATCCACGATTGCTGTCAATTACCTGATTGGG	[1497]
podostemi_GA_AS	GCAATTTAGAAGTCATTCATCCACGATTGCTGTCAATTACCTGATTGGG	[1497]
podostemi_MS_BC	GCAATTTAGAAGTCATTCATCCACGATTGCTGTCAATTACCTGATTGGG	[1497]
podostemi_GA_CR	GCAATTTAGAAGTCATTCATCCACGATTGCTGTCAATTACCTGATTGGG	[1497]
remisum_NC_NR2	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCAATTACCTGATAGGG	[1497]
remisum_NC_NR1	GCAATTTGGAAGTCATCCATCCGCGATTACTGTCGATTACCTGATTGGG	[1497]
remisum_NC_NR3	GCAATTTGGAAGTYATCCATCCGCGATTACTGTCGATTACCTGATTGGG	[1497]
'snowi AL BC 4+6'	GCAATTTGGAAGTCATTCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
snowi_TN_CC	GCAATTTGGAAGTCATTCATCCACGATTGCTGTCRATTACCTAATTGGG	[1497]
'snowi AL BC 4+4'	GCAATTTGGAAGTCATTCATCCACGATTGCTGTCGATTACCTAATTGGG	[1497]
taxodium_GA_CC2	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
taxodium_FL_CR	GCAATTTGGAAGTCATCCATCCGCGATTGCTGTCGATTACCTGATTGGG	[1497]
underhilli_AL_HC3	GCAATTTGGAAGTCATCCATCCRCGATTGCTGTCGATTACCTRATTGGG	[1497]
underhilli_GA_FR	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]
underhilli_GA_FS	GCAATTTGGAAGTCATCCATCCACGATTGCTGTCGATTACCTGATTGGG	[1497]

tuberosum	GAC TT TCTG GACG CCCC GAAAGTATTGGCYGGCYTTTCGATCTGCTGCGCAA	[1550]
verecundum	GACTTCCTAGACGATCGAAAGTATTGGCAGGCTTTTGATCTGTTGCGCAA	[1384]
decimatum	-----	[1218]
apricarium	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGCTGCGCAA	[1547]
reptans	GACTTCCTAGACGCCCCGAAAGTATTGGCCGGCTTTTGATCTGTTGCGCAA	[1547]
anchist_AL_HC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
anchist_DE_DR	GACTTCCTAGACGCCCCGAAAGTATTGGYTGGCTTTTCGATCTGATGCGCAA	[1547]
anchist_ME_AR	GACTTCCTAGACGCCCCGAAAGTATTGGTTGGCTTTTCGATCTGATGCGCAA	[1547]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
anchist_NC_NR	GACTTCCTRGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
anchist_ME_KR	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
aranti_GA_FS	GACTTTCTAGACGCCCCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAA	[1547]
aranti_GA_AS	GACTTTCTAGACGCCCCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAA	[1547]
aranti_AL_HC	GACTTTCTAGACGCCCCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAA	[1547]
aranti_SC_LR	GACTTTCTAGACGCCCCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAA	[1547]
chlorum_NC_GC3	GACTTCCTAGATGCCCCGAAAGTATTGGTTGGCTTTTCGATCTGATGCGCAA	[1547]
chlorum_NC_GC1	GACTTCCTAGATGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
chlorum_NC_GC4	GACTTCCTAGATGCCCCGMAAGTATTGGCTGGCTTTTGATCTGATGCGMAA	[1547]
confusum_TN_LR	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGAAA	[1547]
confusum_GA_GC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGAAA	[1547]
confusum_GA_EC	GACTTCCTAGAYGCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGAAA	[1547]
confusum_TX_SJR	GACTTCCTAGAYGCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGMAA	[1547]
confusum_TX_SR	GACTTCCTGGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGGAA	[1547]
confusum_TX_Bayou	GACTTCCTRGATGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGTAA	[1547]
definitum_PA_LC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGGAA	[1547]
definitum_SC_GC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGMGGAA	[1547]
dixiense_GA_WC	GACTTCCTGGATGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
dixiense_SC_LBC	GACTTCCTGGATGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
dixiense_NC_QC	GACTTCCTGGATGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
dixiense_FL_CC	GACTTCCTGGATGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
fibrinflatum_PA_DR	GACTTCCTAGACGCTCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAA	[1547]
fibrinflatum_ME_AR	GACTTCCTAGACGCTCGAAAATATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
fibrinflatum_GA_FR	GACTTCCTAGACGCTCGAAAGTATTGGATGGCTTTTCGATCTGATGCGCAA	[1547]
haysi_AL_BCC3	GACTTCCTAGACGCCCCGAAAGTATTGGCAGGCTTTTGATTTGATGCGCAA	[1547]
haysi_TX_SJR	GACTTCCTAGACGCCCCGAAAGTATTGGCAGGCTTTTGATTTGATGCGCAA	[1547]
infenestrum_NC_RR	GACTTYCTAGACGCCCCGAMARTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
infenestrum_SC_RBC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
jenningsi_TN_PR	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
jenningsi_NC_ER	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
jenningsi_SC_FC	GACTTYCTAGAYGCCCGAAAGTATTGGTTGGCTTTTGATCTGATGCGCAA	[1547]
jenningsi_PA_BR	GACTTCCTAGACGCCCCGAAAGTATTGGTTGGCTTTTGATCTGATGCGCAA	[1547]
jenningsi_GA_AR	GACTTCCTAGATGCCCCGAAAGTATTGGTTGGCTTTTGATCTGATGCGCAA	[1547]
jonesi_FL_CC1	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGGAA	[1547]
jonesi_AL_BCC	GAYTTCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGAAA	[1547]
jonesi_NC_CC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGGAA	[1547]
jonesi_NC_QC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGGAA	[1547]
jonesi_GA_WC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATTTGATGCGCAA	[1547]
krebsorum_NC_MC	GACTTTCTAGACGCCCCGAAAGTATTGGTTGGCTTTTGATCTGATGCGCAA	[1547]
krebsorum_SC_CC2	GACTTTCTAGACGCCCCGAAAGTATTGGTTGGCTTTTGATCTGATGCGCAA	[1547]
lakei_PA_NC	GACTTCCTAGATGCCCCGAAAGTATTGGCTGGCTTTTGATTTGATGCGCAA	[1547]
lakei_SC_BR	GACTTCCTAGATGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
lakei_FL_CR	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
lakei-Taunt_8_MA_TR	GACTTCCTAKAYGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
lakei-Taunt_9_MA_TR	GACTTCCTATATGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGMAA	[1547]
luggeri_NWT	CACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
luggeri_NE_FR	CACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
luggeri_NC_HR	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
luggeri_KY_GR3	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
'notiale AL BC5+6'	GACTTCCTAGACGCCCCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAA	[1547]
notiale_VA_RR	GACTTCCTAGACGCTCGAAAGTATTGGMCGGCTTTTCGATCTGATGCGCAA	[1547]
notiale_TN_CC	GACTTCCTAGACGCTCGAAAGTATTGGCTGGCATTCGATCTGATGCGCAA	[1547]
notiale_SC_RBC	GACTTCCTAGACGCTCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
'notiale AL BC6+6'	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
nyssa_AL_BC	GACTTCCTAGACGCCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]

nyssa_ME_AR	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
nyssa_VA_RR	GACKTCCTAGACGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
nyssa_ME_PR	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
nyssa_NC_TR	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGCAA	[1547]
ozarkense_MO_GR2	GACTTCCTAGACGCCCGAAAGTATTGGCAGGCTTTTGATCTGATGCGCAA	[1547]
ozarkense_MO_GR1	GACTTCCTAGACGCCCGAAAGTATTGGCAGGCTTTTGATCTGATGCGCAA	[1547]
penobsco_ME_PR1	GACTTCCTAGACGCTCGAAAGTATTGGCTGGCTTTYGATCTGATGCGCAA	[1547]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
penobsco_ME_PR2	GACTTCCTAGACGCCCGAMAGTATTGGCTGGCCTTTGATCTGATGCGCAA	[1547]
podostemi_NC_TR	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGTAA	[1547]
podostemi_GA_AS	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGTAA	[1547]
podostemi_MS_BC	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGTAA	[1547]
podostemi_GA_CR	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCTTTTCGATCTGATGCGTAA	[1547]
remisum_NC_NR2	GACTTTCTAGACGCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
remisum_NC_NR1	GACTTTCTAGACGCCCGAAAGTATTGGTTGGCTTTTGATCTGATGCGCAA	[1547]
remisum_NC_NR3	GACTTYCTAGACGCCCGAAAGTATTGGTTGGCTTTTGATCTGATGCGCAA	[1547]
'snowi AL BC 4+6'	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCATTTCGATCTGATGCGCAA	[1547]
snowi_TN_CC	GACTTCCTAGACGCTCGAAAGTATTGGATGGCATTGATCTGATGCGCAA	[1547]
'snowi AL BC 4+4'	GACTTCCTAGACGCCCGAAAGTATTGGATGGCTTTTGATCTAATGCGCAA	[1547]
taxodium_GA_CC2	GACTTCCTAGAYGCCCGAAAGTATTGGCTGGCTTTTGATCTGATGCGCAA	[1547]
taxodium_FL_CR	GACTTCCTAGACGCCCGAAAGTATTGGCTGGCTTTYGATCTGATGCGCAA	[1547]
underhilli_AL_HC3	GACTTCCTAGACGCTCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAT	[1547]
underhilli_GA_FR	GACTTCCTAGACGCTCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAA	[1547]
underhilli_GA_FS	GACTTCCTAGACGCTCGAAAGTATTGGATGGCTTTTGATCTGATGCGCAA	[1547]
tuberosum	ACAACGAATYAATCTGAATTTGATTGTGGATCACGACCCGAAGACATTTT	[1600]
verecundum	ACAACGGATTAATTTGAATTTGATCGTGGATCACGACCCAAAAACATTTT	[1434]
decimatum	-----	[1218]
apricarium	ACAACGAATCAATCTGAACCTTGATCGTGGATCACGACCCAAAGACATTTT	[1597]
reptans	ACAACGAATCAATCTGAACCTTGATCGTGGATCACGACCCAAARACATTTT	[1597]
anchist_AL_HC	GCAACGAATCAACCTGAATTTGATTGTGGATCACGACCCAAARACATTTT	[1597]
anchist_DE_DR	GCAACGAATCAACCTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
anchist_ME_AR	GCAACGAATCAACCTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
anchist_NC_NR	GCAACGAATCAACCTGAATTTGATTGTGGATCACGACCCAAARACATTTT	[1597]
anchist_ME_KR	GCAACGAATCAACCTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
aranti_GA_FS	GCAACGAATCAACCTAAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
aranti_GA_AS	GCAACGAATCAACCTAAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
aranti_AL_HC	GCAACGAATCAACCTAAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
aranti_SC_LR	GCAACGAATCAACCTAAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
chlorum_NC_GC3	GCAACGAATCAACCTAAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
chlorum_NC_GC1	GCAGCGAATCAACCTGAATTTGATTGTGGATCAYGACCCAAAGACATTTT	[1597]
chlorum_NC_GC4	GCARCGRATCAACCTGAATTTGATTGTGGATCAYGACCCAAAGACATTTT	[1597]
confusum_TN_LR	GCAACGAATCAACCTAAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
confusum_GA_GC	GCAACGAATCAACCTAAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
confusum_GA_EC	GCAACGAATCAACCTRAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
confusum_TX_SJR	GCAACGRATCAACCTAAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
confusum_TX_SR	GCAACGGATCAACCTAAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
confusum_TX_Bayou	GCAACGGATCAACCTAAATTTGATTGTGGATCACGCCCCAAAGACATTTT	[1597]
definitum_PA_LC	GCAACGGATCAACCTGAATTTAATTGTGGATCATGACCCAAAGACATTTT	[1597]
definitum_SC_GC	GCAACGGATCAACCTGAATTTAATTGTGGATCATGACCCAAAGACATTTT	[1597]
dixiense_GA_WC	GCAACGAATCAATTTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
dixiense_SC_LBC	GCAACGAATCAATTTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
dixiense_NC_QC	GCAACGAATCAATTTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
dixiense_FL_CC	GCAACGAATCAATTTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
fibrinflatum_PA_DR	GCAACGAATCAACCTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
fibrinflatum_ME_AR	GCAACGAATCAATTTGAATTTGATTGTGGATCACGATCCAAAGACATTTT	[1597]
fibrinflatum_GA_FR	GCAACGGATCAAYCTGAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
haysi_AL_BCC3	GCAACGAATCAATCTGAATTTGATTGTGGATCACGACCCAAAGATATTTT	[1597]
haysi_TX_SJR	GCAACGAATCAATCTGAATTTGATTGKGGATCACGACCCAAAGATATTTT	[1597]
infenestrum_NC_RR	GCAACGAATCAATCTGAATTTGATTGTAGATCACGACCCAAAGACATTTT	[1597]
infenestrum_SC_RBC	GCAACGAATCAATCTGAATTTGATTGTAGATCACGACTCAAAGACATTTT	[1597]
jenningsi_TN_PR	GCAACGAATCAACCTGAATTTGATTGTGGATCACGACCCAAAGACATTTT	[1597]
jenningsi_NC_ER	GCAACGAATCAACCTGAATTTGATTGTGGACCACGACCCAAAGACATTTT	[1597]
jenningsi_SC_FC	GCAACGAATCAACCTGAATTTGATTGTGGACCACGACCCAAAGACATTTT	[1597]

jenningsi_PA_BR	GCAACGAATCAACCTGAATTTGATTGTGGACCACGACCCAAAGACATTTT	[1597]
jenningsi_GA_AR	GCAACGTATCAACCTGAATTTGATTGTGGACCACGACCCAAAGACATTTT	[1597]
jonesi_FL_CC1	GCAACGGATCAAYCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
jonesi_AL_BCC	GCAACGAATCAACCTGAATTTGATTGTGGATCAYGACCCAAAGACATTTT	[1597]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
jonesi_NC_CC	GCAACGGATCAACCTGAATTTGATTGTGGATCAYGACCCAAAGACRTTTT	[1597]
jonesi_NC_QC	GCAACGGATCAACCTGAATTTGATTGTGGATCAYGACCCAAAGACATTTT	[1597]
jonesi_GA_WC	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
krebsorum_NC_MC	GCAACGAATCAATTTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
krebsorum_SC_CC2	GCAACGAATCAATTTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
lakei_PA_NC	GCAACGAATCAACCTAAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
lakei_SC_BR	GCAACGAATCAACCTAAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
lakei_FL_CR	GCARCGAATCAACCTRAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
lakei-Taunt_8_MA_TR	GCAACGAATCAACCTAAATTTGATTGTGGATCAGACCCRAAGACATTTT	[1597]
lakei-Taunt_9_MA_TR	GCAACGAATCAACCTAAATTTGATTGTGGATCAGACCCRAAGACATTTT	[1597]
luggeri_NWT	GCAACGAATCAATCTGAACCTGATTGTGGACCACGATCCAAAGACATTTT	[1597]
luggeri_NE_FR	GCAACGAATCAATCTAAACTTGATTGTGGACCACGATCCAAAGACATTTT	[1597]
luggeri_NC_HR	GCAACGAATCAATCTGAACCTGATTGTGGACCACGATCCAAAGACATTTT	[1597]
luggeri_KY_GR3	GCAACGAATCAATCTGAACCTGATTGTTGACCACGACCCAAAGACATTTT	[1597]
'notiale AL BC5+6'	GCAACGAATCAATTTGAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
notiale_VA_RR	GCAACGAATCAATTTGAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
notiale_TN_CC	GCAACGAATCAATTTGAATTTGATTGTGGATCAYGATCCAAAGACATTTT	[1597]
notiale_SC_RBC	GCAACGAATCAAYYTGAATTTGATTGTGGATCACRATCCAAAGACATTTT	[1597]
'notiale AL BC6+6'	GCAACGAATCAATTTGAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
nyssa_AL_BC	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
nyssa_ME_AR	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
nyssa_VA_RR	GCAACGAATCAACCTGAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
nyssa_ME_PR	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
nyssa_NC_TR	GCAACGAATCAACCTGAATCTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
ozarkense_MO_GR2	GCAACGAATCAATCTGAATTTGATTGTGGATCATGACCCAAATACATTTT	[1597]
ozarkense_MO_GR1	GCAACGAATCAATCTGAAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
penobsco_ME_PR1	GCAACGAATCAATCTGAATTTGATTGTAGATCAGACCCAAAGACATTTT	[1597]
penobsco_ME_PR2	GCAACGAATCAACCTGAATTTGATTGTAGATCAGACCCAAAGACATTTT	[1597]
podostemi_NC_TR	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
podostemi_GA_AS	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
podostemi_MS_BC	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
podostemi_GA_CR	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
remissum_NC_NR2	GCAACGAATCAATCTGAATTTGATTGTAGATCAGACCCAAAGACATATT	[1597]
remissum_NC_NR1	GCAACGAATCAATCTGAATTTGATTGTAGATCAGACCCAAAGACATTTT	[1597]
remissum_NC_NR3	GCAACGAATCAATCTGAATTTGATTGTRGATCAGACCCAAAGACATTTT	[1597]
'snowi AL BC 4+6'	GCAACGAATCAATTTGAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
snowi_TN_CC	GCAACGAATCAATTTGAATTTGATTGTGGATCATGATCCAAAGACATTTT	[1597]
'snowi AL BC 4+4'	GCAACGAATCAATTTGAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
taxodium_GA_CC2	GCAGCGAATCAACCTRAATTTGATTGTGGATCAYGACCCAAAGACATTTT	[1597]
taxodium_FL_CR	GCAACGAATCAACCTRAATTTGATTGTGGATCAYGACCCAAAGACATTTT	[1597]
underhilli_AL_HC3	GCAACGAATCAACCTGAATTTGATTGTGGATCAGACCCAAAGACATTTT	[1597]
underhilli_GA_FR	GCAACGAATCAACCTGAATTTGATTGTGGATCAYGACCCAAAGACATTTT	[1597]
underhilli_GA_FS	GCAACGAATCAACCTGAATTTGATTGTGGATCATGACCCAAAGACATTTT	[1597]
tuberosum	TGGAGAATCTGGACGAGTTTGTCTGGTCAGATTTTCAATCCACAGTGGCTG	[1650]
verecundum	TGGAGAATCTCGACGAGTTTGTCTAGGCAGATTTCAAATCCGCAATGGCTG	[1484]
decimatum	-----	[1218]
apricarium	TGGAGAATCTGGACGAGTTTGTGAATCAGATCACAAATCCGCAATGGCTG	[1647]
reptans	TGGAGAATCTGGACGAGTTTGTGAGTCAGATTTTCAATCCACAGTGGCTG	[1647]
anchist_AL_HC	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTG	[1647]
anchist_DE_DR	TRGAGAATCTGGACGAATTTGTGAGCCAGATTTTGAATCCACAATGGTTG	[1647]
anchist_ME_AR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTG	[1647]
anchist_NC_NR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTG	[1647]
anchist_ME_KR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTT	[1647]
aranti_GA_FS	TAGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTG	[1647]
aranti_GA_AS	TAGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTG	[1647]
aranti_AL_HC	TAGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTG	[1647]
aranti_SC_LR	TAGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTG	[1647]
chlorum_NC_GC3	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTTCAATCCACAATGGTTG	[1647]

chlorum_NC_GC1 TGGAGAATCTAGAYGAATTTGTGAGCCAGATTTCGAATYCACAATGGTTG [1647]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
chlorum_NC_GC4	TRGAGAATCTGGACGARTTCGTGARCCAGATTTCGAATCCACAATGGTTG	[1647]
confusum_TN_LR	TGGAGAATCTGGACGAATTCGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
confusum_GA_GC	TGGAGAATCTGGACGAATTCGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
confusum_GA_EC	TGGAGAATCTGGACGAATTCGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
confusum_TX_SJR	TGGAGAATCTRGAYGAATTCGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
confusum_TX_SR	TGGAAAATCTAGATGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
confusum_TX_Bayou	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
definitum_PA_LC	TAGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
definitum_SC_GC	TAGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
dixiense_GA_WC	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
dixiense_SC_LBC	TGGAGAATCTGGACGAMTTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
dixiense_NC_QC	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
dixiense_FL_CC	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
fibrinflatum_PA_DR	TGGAGAATCTAGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
fibrinflatum_ME_AR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
fibrinflatum_GA_FR	TGGAAAAGTCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
haysi_AL_BCC3	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
haysi_TX_SJR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
infenestrum_NC_RR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
infenestrum_SC_RBC	TGGAGAATCTAGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jenningsi_TN_PR	TAGAGCATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jenningsi_NC_ER	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jenningsi_SC_FC	TGGAGAATYTRGACGAATTTGTGARCCAGATTTCGAATCCACAATGGTTG	[1647]
jenningsi_PA_BR	TGGAGAATTTGGACGAATTTATGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jenningsi_GA_AR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jonesi_FL_CC1	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jonesi_AL_BCC	TAGAGAATCTGGACGAATTCGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jonesi_NC_CC	TGGAAAATCTAGATGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jonesi_NC_QC	TGGAAAATCTAGATGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
jonesi_GA_WC	TGGAAAATCTAGATGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
krebsorum_NC_MC	TGGAGAATCTAGATGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
krebsorum_SC_CC2	TGGAGAATCTAGATGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
lakei_PA_NC	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
lakei_SC_BR	TAGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
lakei_FL_CR	TRGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
lakei-Taunt_8_MA_TR	TRGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
lakei-Taunt_9_MA_TR	TRGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
luggeri_NWT	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
luggeri_NE_FR	TGGAGAATYTGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
luggeri_NC_HR	TGGAGAATCTGGACGAATTTGTGAACCAGATTTCGAATCCACAATGGTTG	[1647]
luggeri_KY_GR3	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
'notiale AL BC5+6'	TGGAGAATTTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
notiale_VA_AR	TGGAGAATTTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
notiale_TN_CC	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
notiale_SC_RBC	TGGARAKTCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
'notiale AL BC6+6'	TGGAGAATTTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
nyssa_AL_BC	TGGAGAATTTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
nyssa_ME_AR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
nyssa_VA_RR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
nyssa_ME_PR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
nyssa_NC_TR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
ozarkense_MO_GR2	TGGAGAATCTGGATGAATTTGTGAGCCAKATTTTCGAATCCACAATGGTTG	[1647]
ozarkense_MO_GR1	TGGAGAATCTGGACGAAYTTGTGAGCCAKATTTTCGAATCCACAATGGTTG	[1647]
penobsco_ME_PR1	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
penobsco_ME_PR2	TGGAGAATCTGGACGAATTTGTGAGTCAGATTTCGAATCCACAATGGTTG	[1647]
podostemi_NC_TR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
podostemi_GA_AS	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
podostemi_MS_BC	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
podostemi_GA_CR	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
remissum_NC_NR2	TGGAGAATCTGGACGAATTTGTGACCCAAATTTTCGAATCCACAATGGTTG	[1647]
remissum_NC_NR1	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
remissum_NC_NR3	TGGAGAATCTGGACGAATTTGTGASCCARATTTTCGAATCCACAATGGTTG	[1647]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
'snowi_AL_BC_4+6'	TGGAGAATTTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
snowi_TN_CC	TGGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
'snowi_AL_BC_4+4'	TGGAGAATTTGGACGAATTTGTGAGCCAAATTTGAATCCACAATGGTTG	[1647]
taxodium_GA_CC2	TAGAGAATCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
taxodium_FL_CR	TGGAGAATCTGGACSAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
underhilli_AL_HC3	TGGAGAATCTAGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
underhilli_GA_FR	TGGAAAGTCTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]
underhilli_GA_FS	TGGAGAATTTGGACGAATTTGTGAGCCAGATTTCGAATCCACAATGGTTG	[1647]

tuberosum	AATTTATTCATCACYGATTTTCAAAAACGAAGATGTGACGCGCACTATGTA	[1700]
verecundum	AATTTGTTTCATCACTGATTTACAAAACGATGATGTGACGAGAACTATGTA	[1534]
decimatum	-----	[1218]
apricarium	AATTTATTCATCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
reptans	AATTTATTCATCACCGATTTTCAAAAACGAAGATGTGACCCGTACTATGTA	[1697]
anchist_AL_HC	AATTTGTTTCGTCACAGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
anchist_DE_DR	AATTTTRTTCGTCACAGATTTACARAACGAAGATGTGACCCGTACTATGTA	[1697]
anchist_ME_AR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGAACTATGTA	[1697]
anchist_NC_NR	AATTTTRTTCGTCACCGATTTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
anchist_ME_KR	AATTTATTCGTCACAGATTTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
aranti_GA_FS	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
aranti_GA_AS	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
aranti_AL_HC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
aranti_SC_LR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
chlorum_NC_GC3	AATTTGTTTCGTCACCTGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
chlorum_NC_GC1	AATTTTRTTCGTCACCGATTTTACAAAAYGAAGATGTGACCCGTACTATGTA	[1697]
chlorum_NC_GC4	AATTTGTTTCGTCACCGATTTTACAAAACGAAGAYGTGACTCGTACTATGTA	[1697]
confusum_TN_LR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
confusum_GA_GC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
confusum_GA_EC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACYCGTACTATGTA	[1697]
confusum_TX_SJR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACSCGTACTATGTA	[1697]
confusum_TX_SR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGAACTATGTA	[1697]
confusum_TX_Bayou	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGMACTATGTA	[1697]
definitum_PA_LC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
definitum_SC_GC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTAACCCGTACTATGTA	[1697]
dixiense_GA_WC	AATTTGTTTCGTCACCGATTTTACAAAACGAAATGTGACGCGAACTATGTA	[1697]
dixiense_SC_LBC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACGCGAACTATGTA	[1697]
dixiense_NC_QC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACGCGAACTATGTA	[1697]
dixiense_FL_CC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACGCGAACTATGTA	[1697]
fibrinflatum_PA_DR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACTCGAACTATGTA	[1697]
fibrinflatum_ME_AR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACTCGAACTATGTA	[1697]
fibrinflatum_GA_FR	AATCTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACTCGAACTATGTA	[1697]
haysi_AL_BCC3	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGAACTATGTA	[1697]
haysi_TX_SJR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGAACTATGTA	[1697]
infenestrum_NC_RR	AATTTATTCGTCACCGATTTTACAGAACGAAGATGTGACYCGTACTATGTA	[1697]
infenestrum_SC_RBC	AATTTGTTTCGTCACCGATCTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
jenningsi_TN_PR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGAACTATGTA	[1697]
jenningsi_NC_ER	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGAACTATGTA	[1697]
jenningsi_SC_FC	AATTTGTTTCGTCACCGATTTTACAAAAYGAAGATGTGACYCGWACTATGTA	[1697]
jenningsi_PA_BR	AATTTGTTTCGTCACCGATTTTCAAAAACGAAGATGTGACTCGTACTATGTA	[1697]
jenningsi_GA_AR	AATTTGTTTCGTCACCGATTTTCAAAAACGAAGATGTGACTCGTACTATGTA	[1697]
jonesi_FL_CC1	AATTTGTTTCGTMACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
jonesi_AL_BCC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACTCGTACTATGTA	[1697]
jonesi_NC_CC	AATTTGTTTCGTCACCTGATTTTACAAAAYGAAGATGTGACCCGTACTATGTA	[1697]
jonesi_NC_QC	AATTTGTTTCGTCACCTGATTTTACAAAAYGAAGATGTGACCCGTACTATGTA	[1697]
jonesi_GA_WC	AATTTGTTTCGTCACCTGATTTTACAAAATGAAGATGTGACCCGTACTATGTA	[1697]
krebsorum_NC_MC	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
krebsorum_SC_CC2	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGAACCGTACTATGYA	[1697]
lakei_PA_NC	AATTTGTTTCGTCACCTGATTTTACAAAACGAAGATGTGACCAGTACTATGTA	[1697]
lakei_SC_BR	AATTTGTTTCGTCACCGATTTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
lakei_FL_CR	AATTTGTTTYGTCACCGATTTTACAAAACGAAGATGTTRACKCGTACTATGTA	[1697]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
lakei-Taunt_8_MA_TR	AATTTGTTTHGTCACYGATTTACAAAAYGAAGATGTGACYCGTACTATGTA	[1697]

lakei-Taunt_9_MA_TR	AATTTGTTAGTYACCGATTTACAAAAYGAAGATGTGACCCGTACTATGTA	[1697]
luggeri_NWT	AATTTGTTTCATCACCGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
luggeri_NE_FR	AATTTGTTTCATCACCGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
luggeri_NC_HR	AATTTGTTTCATCACCGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
luggeri_KY_GR3	AATTTGTTTCATCACCGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
'notiale AL BC5+6'	AATTTGTTTGTGTCACAGATTTACAAAACGAAGATGTGACTCGAACTATGTA	[1697]
notiale_VA_RR	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACTCGAACTATGTA	[1697]
notiale_TN_CC	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACTCGTACTATGTA	[1697]
notiale_SC_RBC	AATTTGTTTGTGTCACCGATTTACAAAACGAAGATGTGACCTGWACTATSTA	[1697]
'notiale AL BC6+6'	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
nyssa_AL_BC	AATTTATTCGTACMGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
nyssa_ME_AR	AATTTATTCGTACAGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
nyssa_VA_RR	AATTTATTCGTACAGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
nyssa_ME_PR	AATTTATTCGTACAGATTTACAGAACGATGATGTGACCCGTACTATGTA	[1697]
nyssa_NC_TR	AATTTATTCGTACAGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
ozarkense_MO_GR2	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACCCGTACAATGTA	[1697]
ozarkense_MO_GR1	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
penobsco_ME_PR1	AATTTTTCGTACCCGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
penobsco_ME_PR2	AATTTATTCGTACCCGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
podostemi_NC_TR	AATTTATTCATCACTGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
podostemi_GA_AS	AATTTATTCATCACTGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
podostemi_MS_BC	AATTTATTCATCACTGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
podostemi_GA_CR	AATTTATTCATCACYGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
remissum_NC_NR2	AATTTATTCGTACCCGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
remissum_NC_NR1	AATTTATTCGTACCCGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
remissum_NC_NR3	AATTTATTCGTACCCGATTTACAGAACGAAGATGTGACCCGTACTATGTA	[1697]
'snowi AL BC 4+6'	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
snowi_TN_CC	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACTCGWACTATGTA	[1697]
'snowi AL BC 4+4'	AATTTGTTTGTGTCACAGATTTACAAAACGAAGATGTGACTCGAACTATGTA	[1697]
taxodium_GA_CC2	AATTTGTTTCGTACACGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]
taxodium_FL_CR	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACGCGTACTATGTA	[1697]
underhilli_AL_HC3	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACTCGAAGTATGTA	[1697]
underhilli_GA_FR	AATCTGTTTCGTACCCGATTTACAAAACGAAGATGTGACTCGAACTATGTA	[1697]
underhilli_GA_FS	AATTTGTTTCGTACCCGATTTACAAAACGAAGATGTGACCCGTACTATGTA	[1697]

tuberosum	CGCCGGCAACTATGAMCGTGATGGKTTGAGCRTGCATCCGGATGTTTACG	[1750]
verecundum	CGCAGGGAACATATGAACGTGACCAGCTGAGCGTTTATCCGGACGCTTACG	[1584]
decimatum	-----	[1218]
apricarium	YGCYGGCAACTATGAACGTGACCARCTGAGCGTTTATCCGGATGCATACG	[1747]
reptans	CGCCGGCAACTATGAACGTGACCAGCTGAGCGTTTATCCGGATGCTTATG	[1747]
anchist_AL_HC	YGCYGGCAACTATGAACGTGACCAGACGAGCGTCTATCCAGATGCTTATG	[1747]
anchist_DE_DR	CGCCGGCAACTATGAACGTGACCAGACGAGCGTTTATCCGGATGCTTACG	[1747]
anchist_ME_AR	CGCCGGCAACTATGAACGTGATCAGACGAGCGTTTATCCGGATGCTTACG	[1747]
anchist_NC_NR	CGCCGGCAACTATGAACGTGACCAGACGAGCGTTTATCCGGATGCTTACG	[1747]
anchist_ME_KR	CGCCGGCAACTATGAACGTGACCAGAYGAGCGTTTATCCGGATGCTTACG	[1747]
aranti_GA_FS	CGCCGGCAATTATGAACGTGACCAGCCGAGAGTTTATCCGGACRCTTACG	[1747]
aranti_GA_AS	CGCCGGCAATTATGAACGTGACCAGCCGAGAGTTTATCCGGACRCTTACG	[1747]
aranti_AL_HC	CGCCGGCAATTATGAACGTGACCAGCCGAGAGTTTATCCGGACRCTTACG	[1747]
aranti_SC_LR	CGCCGGCAATTATGAACGTGACCAGCCGAGAGTTTATCCGGACGCTTACG	[1747]
chlorum_NC_GC3	CGCTGGAAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
chlorum_NC_GC1	CGCCGGMAATTATGAACGTGACCAGCYGAGCGTTTATCCGGATGCTTACG	[1747]
chlorum_NC_GC4	CGCYGGMAATTATGAACGTGACCAGCCGAGCGTTTATCCGGATGCTTACG	[1747]
confusum_TN_LR	CGCAGGAAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
confusum_GA_GC	CGCTGGGAATTATGAACGTGACCAGCCGAGCGTTTATCCGGATGCTTACG	[1747]
confusum_GA_EC	CGCAGGMAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
confusum_TX_SJR	CGCYGGMAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTAYG	[1747]
confusum_TX_SR	CGCTGGAAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
confusum_TX_Bayou	CGCTGGMAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
definitum_PA_LC	CGCCGGCAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTATG	[1747]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
definitum_SC_GC	CGCCGGCAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTATG	[1747]
dixiense_GA_WC	CGCCGGCAATTATGAACGTGACCAACCGAGAGTTTATTCAGACGCTTACG	[1747]
dixiense_SC_LBC	CGCCGGCAATTATGAACGTGACCAACCGAGAGTTTATTCAGACGCTTACG	[1747]
dixiense_NC_QC	CGCCGGCAATTATGAACGTGACCAACCGAGAGTTTATTCAGACGCTTACG	[1747]

dixiense_FL_CC	CGCCGGCAATTATGAACGTGACCAACCGAGAGTTTATTCAGACGCTTACG	[1747]
fibrinflatum_PA_DR	CGCTGGAAATTATGAACGTGACCAGTCAAGTGTTTATCCGGATGCTTACG	[1747]
fibrinflatum_ME_AR	CGCCGGCAACTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
fibrinflatum_GA_FR	CGCTGGAAATTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTAYG	[1747]
haysi_AL_BCC3	CGCCGGCAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
haysi_TX_SJR	CGCCGGCAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
infenestrum_NC_RR	CGCYGGCAATTATGAACGTGACCAGCCKAGCGTCTATCCGGATGCTTACG	[1747]
infenestrum_SC_RBC	CGCYGGCAACTATGAACGTGACCACCCGAGTGTTTATCCGGATGCTTACG	[1747]
jenningsi_TN_PR	CGCTGGTAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
jenningsi_NC_ER	CGCCGGCAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
jenningsi_SC_FC	CGCCGGCAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
jenningsi_PA_BR	CGCCGGCAATTATGATCGTGATCAGTCGAGTGTTTATCCGGATGCTTACG	[1747]
jenningsi_GA_AR	TGCCGGCAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATG-----	[1741]
jonesi_FL_CCI	CGCYGGCAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTATG	[1747]
jonesi_AL_BCC	CGCCGGCAATTATGAACGTGACCAGCCGAGCGTTTATCCGGATGCTTACG	[1747]
jonesi_NC_CC	CGCTGGAAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
jonesi_NC_QC	CGCTGGAAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
jonesi_GA_WC	CGCTGGAAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
krebsorum_NC_MC	CGCTGGAAATTATGAACGTGACCAGCCAAGCGTTTATCCGGATGCTTATG	[1747]
krebsorum_SC_CC2	CGCTGGAAATTATGAACGTGACCAGCCAAGCGTTTATCCGGATGCTTATG	[1747]
lakei_PA_NC	CGCTGGAAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
lakei_SC_BR	CGCTGGCAATTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTATG	[1747]
lakei_FL_CR	CGCCGGCAATTATGAACGTGAYCAGYCGAGCGTTTATCCGGATGCTTACG	[1747]
lakei-Taunt_8_MA_TR	CGCYGGMAATTATGAACGTGAYCAGYCGAGCGTTTATCCGGATGCTTACG	[1747]
lakei-Taunt_9_MA_TR	CGCTGGAAATTATGAACGTGATCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
luggeri_NWT	CGCCGGCAATTATGAACGTGACCAGCCGAGCGTTTATCCGGACGCTTACG	[1747]
luggeri_NE_FR	CGCCGGCAATTATGAACGTGACCAGCCGAGCGTTTATCCGGACGCTTACG	[1747]
luggeri_NC_HR	CGCCGGCAATTATGAACGTGACCAGCCGAGCGTTTATCCGGACGCTTACG	[1747]
luggeri_KY_GR3	CGCCGGCAATTATGAACGTGACCAGCCGAGCATTTATCCGGACGCTTACG	[1747]
'notiale AL BC5+6'	CGCTGGAAATTATGAACGTGACCAACCGAGCGTTTATCCGGATGCTTACG	[1747]
notiale_VA_RR	CGCYGGAAATTATGAACGTGACCAGTCAAGYGTTTATCCGGATGCTTACG	[1747]
notiale_TN_CC	CGCCGGCAACTATGAACGTGACCAGYCGAGCGTTTATCCGGATGCTTACG	[1747]
notiale_SC_RBC	CGCYGGCAATTATGAACGTRRCCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
'notiale AL BC6+6'	CGCCGGCAACTATGAACGTGACCAGCCGAGCGTTTATCCGGATGCTTACG	[1747]
nyssa_AL_BC	CGCCGGCAACTATGAACGTGACCAGACGAGCGTTTATCCGGATGCATACG	[1747]
nyssa_ME_AR	CGCCGGCAACTATGAACGTGACCAGACGAGCGTTTATCCGGATGCWTACG	[1747]
nyssa_VA_RR	CGCCGGCAACTATGAACGTGACCAGACGAGCGTTTATCCGGATGCTTACG	[1747]
nyssa_ME_PR	CGCCGGCAACTATGAACGTGACCAGACGAGCGTTTATCCGGATGYATACG	[1747]
nyssa_NC_TR	CGCCGGCAACTATGAACGTGACCAGACGAGCGTTTATCCGGATGCTTACG	[1747]
ozarkense_MO_GR2	CGCCGGCAATTACGAACGTGATCAGTCGAGCGTTTATCCGGACGCTTACG	[1747]
ozarkense_MO_GR1	CGCCGGCAATTACGAACGTGAYCAGTCGAGCGTTTATCCGGACGCTTACG	[1747]
penobsco_ME_PR1	CGCCGGCAACTATGAACGTGACCACACGAGTGTTTATCCGGATGCTTACG	[1747]
penobsco_ME_PR2	CGCCGGCAACTATGAACGTGACCACACGAGTGTTTATCCGGATGCTTACG	[1747]
podostemi_NC_TR	CGCCGGCAATTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
podostemi_GA_AS	CGCCGGCAATTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
podostemi_MS_BC	CGCCGGCAATTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
podostemi_GA_CR	CGCCGGCAATTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
remissum_NC_NR2	CGCCGGCAATTATGAACGTGACCAGACGAGYGTTTATCCGGATGCTTACG	[1747]
remissum_NC_NR1	CGCCGGCAACTATGAACGTGACCAGACGAGTGTTTATCCGGATGCTTACG	[1747]
remissum_NC_NR3	CGCCGGCAACTATGAACGTGACCAGACGAGTGTTTATCCGGATGCTTACG	[1747]
'snowi AL BC 4+6'	CGCCGGCAACTATGAACGTGACCAGCCGAGCGTTTATCCGGATGCTTACG	[1747]
snowi_TN_CC	CGCYGGCAACTATGAACGTGACCAGCCGAGCGTTTATCCGGATGCTTACG	[1747]
'snowi AL BC 4+4'	CGCTGGAAATTATGAACGTGACCAACCGAGCGTTTATCCGGATGCTTACG	[1747]
taxodium_GA_CC2	CGCYGGCAATTATGAACGTGAYCAGYCGAGCGTTTATCCGGATGCTTACG	[1747]
taxodium_FL_CR	CGCTGGAAATTATGAACGTGACCAGCCGAGCGTTTATCCGGATGCTTACG	[1747]
underhilli_AL_HC3	CGCTGGAAATTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTATG	[1747]
underhilli_GA_FR	CGCTGGAAATTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]
underhilli_GA_FS	CGCCGGCAAYTATGAACGTGACCAGTCGAGCGTTTATCCGGATGCTTACG	[1747]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
tuberosum	ACGTGGYCGGGAAAGTGACGCGGTGTGCGACAAGTTGATTGAGGTGTTT	[1800]
verecundum	ATGTTGTTGGAAAAGTGACGCGGTGTGCGATAAGTTGATTGAGGTGTTT	[1634]
decimatum	-----	[1218]
apricarium	ACGTTGTCGGGAAAGTCATGGCGGTGTGCGACAAGTTGATTGAGGTGTTT	[1797]

reptans	ACATTGCTGGCAAAGTGCAYGGTGTGTGCGACAAGTTGATTGAGGTGTTT	[1797]
anchist_AL_HC	ATGTTGCTGGTAAAGTGCATGGAGTATGCGATAAGTTAATTGAGGTGTTT	[1797]
anchist_DE_DR	ATGTTGCTGGYAAAGTGCAYGGAGTATGCGATAAGTTGATTGAGGTGTTT	[1797]
anchist_ME_AR	ATGTTGCTGGTAAAGTGCATGGAGTATGCGATAAAGTTGATTGAGGTGTTT	[1797]
anchist_NC_NR	ATGTTGCTGGYAAAGTGCATGGAGTATGCGATAAGTTGATTGAGGTGTTT	[1797]
anchist_ME_KR	ATGTTGCTGGTAAAGTGCATGGAGTATGCGATAAGTTGATTGAGGTGTTT	[1797]
aranti_GA_FS	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
aranti_GA_AS	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
aranti_AL_HC	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
aranti_SC_LR	ATGTTGCCGGAAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
chlorum_NC_GC3	ACGTTGCCGGTAAAGTACATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
chlorum_NC_GC1	ACGTTGCCGGCAAAGTGCATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
chlorum_NC_GC4	ACGTTGCCGGCAAAGTGCATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
confusum_TN_LR	ACGTTGCCGGTAAAGTACATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
confusum_GA_GC	ACGTTGCCGGCAAAGTGCATGGGGTATGCGATAAGTTGATTGAAGTGTTC	[1797]
confusum_GA_EC	ACGTTGCCGGTAAAGTRCATGGGGTATGCGAYAAGTTGATTGAAGTGTTC	[1797]
confusum_TX_SJR	AMGTTGCCGGYAAAGTRCATGGAGTATGCGAYAAGTTGATTGAAGTGTTC	[1797]
confusum_TX_SR	ACGTTGCCGGCAAAGTGCATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
confusum_TX_Bayou	ACGTTGCCGGTAAAGTACATGGCGTATGCGATAAAGTTGATTGAAGTGTTC	[1797]
definitum_PA_LC	ACGTTGCCGGTAAAGTACATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
definitum_SC_GC	ACGTTGCCGGTAAAGTACATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
dixiense_GA_WC	ACGTTGCCGGCAAAGTCAATGTAGTATGTGATAGGTTGATTGAAGTGTTC	[1797]
dixiense_SC_LBC	ACGTTGCCGGCAAAGTCAATGTAGTATGTGATAGGTTGATTGAAGTGTTC	[1797]
dixiense_NC_QC	ACGTTGCCGGCAAAGTCAATGTAGTATGTGATAGGTTGATTGAAGTGTTC	[1797]
dixiense_FL_CC	ACGTTGCCGGCAAAGTCAATGTAGTATGTGATAGGTTGATTGAAGTGTTC	[1797]
fibrinflatum_PA_DR	ACGTGGCCGGAAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
fibrinflatum_ME_AR	ATGTGCGCCGCAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
fibrinflatum_GA_FR	ACGTTGCTGMAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
haysi_AL_BCC3	AAGTTGCCGGCAAAGTGCATGGAGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
haysi_TX_SJR	AAGTTGCCGGCAAAGTGCATGGAGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
infenestrum_NC_RR	ACGTAGYCGGCAAAGTGCATGGAGTATGCGATAMGTTGATTGAGGTGTTT	[1797]
infenestrum_SC_RBC	ATGTTGCTGGCAAAGTGCATGGAGTATGCGATAAAGTTGATTGAGGTGTTT	[1797]
jenningsi_TN_PR	ACGTTGCTGGCAAAGTGCACGGAGTATGCGATAAAGTTGATTGAAGTATTT	[1797]
jenningsi_NC_ER	ATGTTGCCGGCAAAGTGCACGGAGTATGCGATAAATTGATTGAGGTGTTT	[1797]
jenningsi_SC_FC	ATRTTGCCGGCAAAGTGCATGGGGTATGYGATAAATTGATTGAGGTGTTT	[1797]
jenningsi_PA_BR	ACGTTGTGCGCAAAGTGCACGGAGTATGCGATAAAGTTGATTGAAGTGTTC	[1797]
jenningsi_GA_AR	---TTGCCGGCAAAGTGCATGGGGTATGCGATAAATTGATTGAGGTGTTT	[1788]
jonesi_FL_CC1	ACGTTGCCGGCAAAGTGCATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
jonesi_AL_BCC	AAGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
jonesi_NC_CC	ACGTTGCCGGYAAAGTRCATGGAGTATGCGAYAAGTTGATTGAAGTSTTC	[1797]
jonesi_NC_QC	ACGTTGCCGGYAAAGTRCATGGAGTATGCGACAAGTTGATTGAAGTSTTY	[1797]
jonesi_GA_WC	ACGTTGCCGGTAAAGTGCATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
krebsorum_NC_MC	ACGTTGCCGGTAAAGTACATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
krebsorum_SC_CC2	ACGTTGCCGGTAAAGTACATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
lakei_PA_NC	ACGTTGCCGGTAAAGTACATGGGGTATGCGATAAAGTTGATTGAAGTGTTC	[1797]
lakei_SC_BR	ACGTTGCCGGCAAAGTGCATGGGGTATGCGATAAAGTTGATTGAAGTGTTC	[1797]
lakei_FL_CR	ACGTTGCCGGCAAAGTGCATGGGGTATGCGATAAAGTTGATTGAAGTGTTC	[1797]
lakei-Taunt_8_MA_TR	AMGTTGCCGGCAAAGTGCATGGGGTATGCGAYAAGTTGATTGAAGTGTTC	[1797]
lakei-Taunt_9_MA_TR	AMGTTGCCGGCAAAGTGCATGGGGTATGCGACAAGTTGATTGAAGTGTTC	[1797]
luggeri_NWT	ACGTTGCCGGCAAAGTGCATGGGGTCTGCGATAAAGTTGATTGAAGTGTTC	[1797]
luggeri_NE_FR	ACGTTGCCGGCAAAGTGCATGGGGTCTGCGATAAAGTTGATTGAAGTGTTC	[1797]
luggeri_NC_HR	ACGTTGCCGGCAAAGTGCATGGGGTCTGCGATAAAGTTGATTGAAGTGTTC	[1797]
luggeri_KY_GR3	ACGTTGCCGGCAAAGTGCATGGGGTATGCGATAAAGTTGATTGAAGTGTTC	[1797]
'notiale AL BC5+6'	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTTRATTGAAGTATTT	[1797]
notiale_VA_RR	ACGTGGCCGGAAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
notiale_TN_CC	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTTRATTGAAGTGTTC	[1797]
notiale_SC_RBC	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTGTTC	[1797]
'notiale AL BC6+6'	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTAAATTGAAGTGTTC	[1797]
nyssa_AL_BC	ATGTTGCTGGTAAAGTGCATGGAGTATGCGATAAAGTTGATTGAGGTGTTT	[1797]
nyssa_ME_AR	ATGTTGCTGGTAAAGTGCATGGAGTATGCGATAAAGTTGATTGAGGTGTTT	[1797]
nyssa_VA_RR	ATGTTGCTGGTAAAGTGCATGGAGTATGCGACAAGTTGATTGAGGTGTTT	[1797]
nyssa_ME_PR	AYGTTGCTGGTAAAGTGCATGGAGTATGCGAYAAGTTGATTGAGGTGTTT	[1797]
nyssa_NC_TR	ATGTTGCTGGTAAAGTGCATGGAGTATGCGAYAAGTTGATTGAGGTGTTT	[1797]
ozarkense_MO_GR2	ACGTTGCCGGYAAAGTGCATGGGGTATGCGATAAAGTTGATTGAAGTGTTC	[1797]
ozarkense_MO_GR1	ACGTTGCCGGTAAAGTGCATGGAGTATGCGATAAAGTTGATTGAAGTGTTC	[1797]

penobsco_ME_PR1	ATGTTGCTGGCAAAGTGCATGGAGTATGCGATAAGTTGATTGAGGTGTTT	[1797]
penobsco_ME_PR2	ATGTTGCTGGCAAAGTGCATGGAGTATGCGATAAGTTGATTGAGGTGTTT	[1797]
podostemi_NC_TR	ACGTAGCCGGCAAAGTGCATGGAGTTTGGCGATAAATTGATTGAAGTGTTT	[1797]
podostemi_GA_AS	ACGTAGCCGGCAAAGTGCATGGAGTTTGGCGATAAATTGATTGAAGTGTTT	[1797]
podostemi_MS_BC	ACGTAGCCGGCAAAGTGCATGGAGTTTGGCGATAAATTGATTGAAGTGTTT	[1797]
podostemi_GA_CR	ACGTAGCCGGCAAAGTGCATGGAGTTTGGCGATAAATTGATTGAAGTGTTT	[1797]
remisum_NC_NR2	ATGTAGCCGGYAAAGTGCACGGAGTATGCGATAAGTTGATTGAGGTGTTT	[1797]
remisum_NC_NR1	ATGTAGCCGGYAAAGTGCATGGAGTATGCGATAAGTTGATTGARGTGTTT	[1797]
remisum_NC_NR3	AYGTAGCCGGYAAAGTGCATGGAGTATGCGATAAGTTGATTGAAGTGTTT	[1797]
'snowi_AL_BC_4+6'	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTAATTGAAGTGTTT	[1797]
snowi_TN_CC	ACGTTGCCGGCAAARTGCATGGGGTATGCGATAAATTAATTGAAGTGTTT	[1797]
'snowi_AL_BC_4+4'	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTATTT	[1797]
taxodium_GA_CC2	ACGTTGCCGGCAAAGTGCATGGGGTATGCGATAAGTTGATTGAAGTGTTT	[1797]
taxodium_FL_CR	ACGTTGCCGGCAAAGTGCATGGGGTATGCGAYAAAGTTGATTGAAGTGTTT	[1797]
underhilli_AL_HC3	ACGTTGCCGGAAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTATTT	[1797]
underhilli_GA_FR	ACGTTGCCGGCAAAGTGCATGGGGTATGCGATAAATTGATTGAAGTRTTT	[1797]
underhilli_GA_FS	ATGTTGCCGGCAAAGTGCATGGGGTATGCGATAARTTGATTGAAGTGTTT	[1797]

tuberosum	GAGAAGCAGGRCAAGGAATTCGAATGCCCCAAAATTACATGCTACGTTAA	[1850]
verecundum	GAGAAGCAGGATACGGAATTTGAACTGCCGAAAATTACATGCTACGTTAA	[1684]
decimatum	-----	[1218]
apricarium	GAGAAGCAGGACAAGGAATACGAATGCCCCAAAATTACATGCTACGTTAA	[1847]
reptans	GAGAAGCAGGACAAGGAATACGAACTRCCGAAAATTACGTGTACGTCAA	[1847]
anchist_AL_HC	GAAAAGCAGGAAAAGGAATTTGAATTGCCGAAAATTACATGCTTCGTAA	[1847]
anchist_DE_DR	GAAAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTWCGTTAA	[1847]
anchist_ME_AR	GAAAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTTCGTAA	[1847]
anchist_NC_NR	GAAAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTTCGTAA	[1847]
anchist_ME_KR	GAAAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTWCGTTAA	[1847]
aranti_GA_FS	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
aranti_GA_AS	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
aranti_AL_HC	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
aranti_SC_LR	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
chlorum_NC_GC3	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACCTGTACGTTAA	[1847]
chlorum_NC_GC1	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
chlorum_NC_GC4	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
confusum_TN_LR	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTTCGTAA	[1847]
confusum_GA_GC	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGTACGTTAA	[1847]
confusum_GA_EC	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
confusum_TX_SJR	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
confusum_TX_SR	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACCTGTTACGTTAA	[1847]
confusum_TX_Bayou	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
definitum_PA_LC	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACCTGTACGTTAA	[1847]
definitum_SC_GC	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACCTGTACGTTAA	[1847]
dixiense_GA_WC	GAGAAGCAGGAAAAGGAATTCGAATTGCTACCAAAAATTACATGCTACGTTAA	[1847]
dixiense_SC_LBC	GAGAAGCAGGAAAAGGAATTTGAACTACCAAAAATTACATGCTACGTTAA	[1847]
dixiense_NC_QC	GAGAAGCAGGAAAAGGAATTTGAACTACCAAAAATTACATGCTACGTTAA	[1847]
dixiense_FL_CC	GAGAAGCAGGAAAAGGAATTTGAACTACCAAAAATTACATGCTACGTTAA	[1847]
fibrinflatum_PA_DR	GAGAATCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
fibrinflatum_ME_AR	GAGAAGCAAGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
fibrinflatum_GA_FR	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
haysi_AL_BCC3	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACCTGTTACGTTAA	[1847]
haysi_TX_SJR	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACCTGTTACGTTAA	[1847]
infenestrum_NC_RR	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
infenestrum_SC_RBC	GAAAAGCAGGAAAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
jenningsi_TN_PR	GAAAAGCAGGAAAAGGAATTCGAATTGCCGAAAATAACATGCTACGTTAA	[1847]
jenningsi_NC_ER	GAGAAGCAGGAAAAGGAATTCGAATGCTGCCGAAAATTACATGCTACGTTAA	[1847]
jenningsi_SC_FC	GAGAAGCAGGAAAAGGAATTCGAATGCTGCCGAAAATTACATGCTACGTTAA	[1847]
jenningsi_PA_BR	GAGATGCAGGAAAAGGAATTCGAATTGCCGAAAATAACATGCTACGTTAA	[1847]
jenningsi_GA_AR	GAGAAGCAGGAAAAGGAATTCGAATGCTGCCGAAAATTACATGCTACGTTAA	[1838]
jonesi_FL_CC1	GARAAGCAGGAAAAGGAATTCGAATTGCCGAAAATCACCTGTACGTTAA	[1847]
jonesi_AL_BCC	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATCACCTGTACATTA	[1847]
jonesi_NC_CC	GAGAAGCAGGAAAAGGAATTCGAATTGCCGAAAATYACATGCTACGTTAA	[1847]
jonesi_NC_QC	GARAAGCAGGAAAAGGAATTCGAATTGCCGAAAATYACATGCTACGTTAA	[1847]

jonesi_GA_WC	GAAAAGCAGGGAAGGAATTCGAATTGCCTAAAATCACCTGCTACGTTAA	[1847]
krebsorum_NC_MC	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
krebsorum_SC_CC2	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
lakei_PA_NC	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGTTACGTTAA	[1847]
lakei_SC_BR	GAGAAGCAGGGAACGGAATTCGAATTGCCGAAAATTACATGTTACGTTAA	[1847]
lakei_FL_CR	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
lakei-Taunt_8_MA_TR	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACMTGCTACGTTAA	[1847]
lakei-Taunt_9_MA_TR	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGTTACGTTAA	[1847]
luggeri_NWT	GGGAAACAGGGAAGGAATTCGAATTGCCGAAAATTACCTGCTACGTTAA	[1847]
luggeri_NE_FR	GGGAAACAGSAAAAGGARTTCGAAYTGCCGAAAATTACCTGCTACGTTAA	[1847]
luggeri_NC_HR	GGGAAACAGGGAAGGAATTCGAATTGCCGAAAATTACCTGCTACGTTAA	[1847]
luggeri_KY_GR3	GGGAAGCAAGAAAAGGAATTCGAATTGCCGAAAATTACCTGCTACGTTAA	[1847]
'notiale AL BC5+6'	GAGAATCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
notiale_VA_RR	GAAAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
notiale_TN_CC	GAGAAGCAGGGAAGGAATTTGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
notiale_SC_RBC	GARAAGCAGGGAAGGAATTCGAATTGCCRAAAATTACATGMTACGTTAA	[1847]
'notiale AL BC6+6'	GAGAAGCACGGAAGGAATTTGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
nyssa_AL_BC	GAAAAGCAGGGAAGGAATTCGAATTACCGAAAATTACATGCTTCGTTAA	[1847]
nyssa_ME_AR	GAAAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTTCGTTAA	[1847]
nyssa_VA_RR	GAAAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTTCGTTAA	[1847]
nyssa_ME_PR	GAAAAGCAGGGAAGGAATTCGAATTRCCGAAAATTACATGCTTCGTTAA	[1847]
nyssa_NC_TR	GAAAGGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTTCGTTAA	[1847]
ozarkense_MO_GR2	GAGAAGCAGGGAAGGAATTYGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
ozarkense_MO_GR1	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACCTGCTACGTTAA	[1847]
penobsco_ME_PR1	GAAAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
penobsco_ME_PR2	GAAAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
podostemi_NC_TR	GAGAAGCACGGAAGGAATTCGAATTGCCGAAAATTACGCTACGTTAA	[1847]
podostemi_GA_AS	GAGAAGCACGGAAGGAATTCGAATTGCCGAAAATTACGCTACGTTAA	[1847]
podostemi_MS_BC	GAGAAGCACGGAAGGAATTCGAATTGCCGAAAATTACGCTACGTTAA	[1847]
podostemi_GA_CR	GAGAAGCACGGAAGGAATTCGAATTGCCGAAAATTACGCTACGTTAA	[1847]
remissum_NC_NR2	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACGCTACGTTAA	[1847]
remissum_NC_NR1	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACGCTACGTTAA	[1847]
remissum_NC_NR3	GAGAAGCAGGGAAGGAATTCGAATTGCMGAAAATTACGCTACGTTAA	[1847]
'snowi AL BC 4+6'	GAGAAGCACGGAAGGAATTTGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
snowi_TN_CC	GAGAAGCACGGAAGGAATTYGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
'snowi AL BC 4+4'	GAGAATCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
taxodium_GA_CC2	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGYTACGTTAA	[1847]
taxodium_FL_CR	GAGAAGCAGGGAACGGAATTYGAATTGCCGAAAATTACATGTTACGTTAA	[1847]
underhilli_AL_HC3	GAGAATCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
underhilli_GA_FR	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
underhilli_GA_FS	GAGAAGCAGGGAAGGAATTCGAATTGCCGAAAATTACATGCTACGTTAA	[1847]
tuberosum	AAAGGGATTGATCGAGAGCGCATTGGCGTTTATTTGGACATTGAAGAAGG	[1900]
verecundum	AAAAGGATTGATCGAGAACGCCCTTGGCGTATATCTGGACATTGAAGAAAG	[1734]
decimatum	-----	[1218]
apricarium	AAAAGGATTGATCGAAAATGCATTGGCGTTCATTTGGACATTGAAGAAGG	[1897]
reptans	AAAAGGATTGATCGAGAACGCWTTGGCKTTCATTTGGACATTGAAGAAGG	[1897]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
anchist_AL_HC	AAAAGGACTGGTGGAATGCATTGGCATTCAATTTGGACACTAAAGAAGG	[1897]
anchist_DE_DR	AAAAGGACTGGTGGAATGCATTGGCATTCAATTTGGACACTRAAGAAGG	[1897]
anchist_ME_AR	AAAAGGACTGGTGGAATGCATTGGCATTCAATTTGGACACTGAAGAAGG	[1897]
anchist_NC_NR	AAAAGGACTGGTGGAATGCATTGGCATTCAATTTGGACACTGAAGAAGG	[1897]
anchist_ME_KR	AAAAGGACTGGTGGAATGCATTGGCATTCAATTTGGACACTGAAGAARG	[1897]
aranti_GA_FS	AAAAGGACTGATTGAGAATGCATTGGCATTCAATTTGGACACTGAAGAAGG	[1897]
aranti_GA_AS	AAAAGGACTGATTGAGAATGCATTGGCATTCAATTTGGACACTGAAGAAGG	[1897]
aranti_AL_HC	AAAAGGACTGATTGAGAATGCATTGGCATTCAATTTGGACACTGAAGAAGG	[1897]
aranti_SC_LR	AAAAGGACTGATTGAGAATGCATTGGCATTCAATTTGGACACTGAAGAAGG	[1897]
chlorum_NC_GC3	AAAAGGACTGGTGGAATGCATTGGCGTTCATTTGGACACTGAAGAAGG	[1897]
chlorum_NC_GC1	AAAAGGACTGGTGGAATGCATTGGCGTTCATTTGGACATTGAAGAAGG	[1897]
chlorum_NC_GC4	AAAAGGACTGGTGGAATGCATTGGCGTTCATTTGGACATTGAAGAAGG	[1897]
confusum_TN_LR	AAAAGGACTGGTGGAATGCATTGGCGTTCATTTGGACATTGAAGAAGG	[1897]
confusum_GA_GC	AAAAGGACTGGTGGAATGCATTGGCGTTCATTTGGACATTGAAGAAGG	[1897]
confusum_GA_EC	AAAAGGACTGGTGGAATGCATTGGCGTTCATTTGGACCTGAAGAAGG	[1897]
confusum_TX_SJR	AAAAGGACTGGTGGAATGCATTGGCGTTCATTTGGACATTGAAGAAGG	[1897]

confusum_TX_SR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAGAAAG	[1897]
confusum_TX_Bayou	AAAAGGACTGGTAGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
definitum_PA_LC	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
definitum_SC_GC	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
dixiense_GA_WC	AAAAGGACTGGTGGAGAATGCATTGGCCTTCATTGGACCCCTGAAGAAAG	[1897]
dixiense_SC_LBC	AAAAGGACTGGTGGAGAATGCATTGGCCTTCATTGGACCCCTGAAGAAAG	[1897]
dixiense_NC_QC	AAAAGGACTGGTGGAGAATGCATTGGCCTTCATTGGACCCCTGAAGAAAG	[1897]
dixiense_FL_CC	AAAAGGACTGGTGGAGAATGCATTGGCCTTCATTGGACCCCTGAAGAAAG	[1897]
fibrinflatum_PA_DR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACCCCTGAAGAAGG	[1897]
fibrinflatum_ME_AR	AAAAAGACTTGTGGAGAATGCAGTAGCGTTCATTGGACCCCTGAAGAAGG	[1897]
fibrinflatum_GA_FR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACCCCTGAAGAAGG	[1897]
haysi_AL_BCC3	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
haysi_TX_SJR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
infenestrum_NC_RR	AAAAGGACTAGTGGAAAATGCATTGGCATTTCATTGTACACTGAAGAAGG	[1897]
infenestrum_SC_RBC	AAAAGGACTAGTGGAAAATGCATTGGCATTTCATTGTACACTGAAGAAGG	[1897]
jenningsi_TN_PR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
jenningsi_NC_ER	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
jenningsi_SC_FC	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGCGTTCATTGGWCACTGAAGAAGG	[1897]
jenningsi_PA_BR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
jenningsi_GA_AR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGTCACTGAAGAAGG	[1888]
jonesi_FL_CC1	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGGCATTGAAGAAGG	[1897]
jonesi_AL_BCC	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACAYTAAAGAAGG	[1897]
jonesi_NC_CC	AAAAGGACTTGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
jonesi_NC_QC	AAAAGGACTTGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
jonesi_GA_WC	AAAAGGACTGTGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
krebsorum_NC_MC	AAAAGGAATGGTGGAGAATGCATTGGCGTTCATTGGGCATTGAAGAAGG	[1897]
krebsorum_SC_CC2	AAAAGGAATGGTGGAGAATGCATTGGCGTTCATTGGGCATTGAAGAAGG	[1897]
lakei_PA_NC	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
lakei_SC_BR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTAGACATTGAAGAAGG	[1897]
lakei_FL_CR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
lakei-Taunt_8_MA_TR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
lakei-Taunt_9_MA_TR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
luggeri_NWT	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTCAAAAAGG	[1897]
luggeri_NE_FR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTSAAAAGG	[1897]
luggeri_NC_HR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAAAGG	[1897]
luggeri_KY_GR3	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
'notiale AL BC5+6'	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACCCCTGAAGAAGG	[1897]
notiale_VA_RR	AAAAGGACTGGTGGAAAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
notiale_TN_CC	AAAAGGACTGGTGGAGAATGCAGTAGCGTTCATTGGACCCCTGAAGAAGG	[1897]
notiale_SC_RBC	AAAAGGACTGGTGGAAAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
'notiale AL BC6+6'	AAAAGGATTGGTGGAGAATGCATTGGCGTTCATTGGACACTAAAGAAGG	[1897]
nyssa_AL_BC	AAAAGGACTGGTGGAAAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
nyssa_ME_AR	AAAAGGACTGGTGGAAAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
nyssa_VA_RR	AAAAGGACTGGTGGAAAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
nyssa_ME_PR	AAAAGGACTGGTGGAAAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
nyssa_NC_TR	AAAAGGACTGGTGGAAAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
ozarkense_MO_GR2	AAAAGAAGTAGTGGAGAATGCATTGGCCTTCATTGGACATTGAAGAAGG	[1897]
ozarkense_MO_GR1	AAAAGGACTAGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
penobsco_ME_PR1	AAAAGGACTAGTGGAAAATGCATTGGCATTTCATTGTACACTGAAGAAGG	[1897]
penobsco_ME_PR2	AAAAGGACTAGTGGAAAATGCATTGGCATTTCATTGTACACTGAAGAAGG	[1897]
podostemi_NC_TR	AAAAGGACTGGTGGAGAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
podostemi_GA_AS	AAAAGGACTGGTGGAGAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
podostemi_MS_BC	AAAAGGACTGGTGGAGAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
podostemi_GA_CR	AAAAGGACTGGTGGAGAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
remissum_NC_NR2	AAAAGGACTGGTGGAGAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
remissum_NC_NR1	AAAAGGACTGGTGGAGAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
remissum_NC_NR3	AAAAGGACTGGTGGAGAATGCATTGGCATTTCATTGGACACTGAAGAAGG	[1897]
'snowi AL BC 4+6'	AAAAGGATTGGTGGAGAATGCATTGGCGTTCATTGGACACTAAAGAAGG	[1897]
snowi_TN_CC	AAAAGGACTGGTGGAGAATGCATTAGCGTTCATTGGACCCCTAAAGAAGG	[1897]
'snowi AL BC 4+4'	AAAAGAAGTGGTGGAGAATGCATTGGCGTTCATTGGACCCCTGAAGAAGG	[1897]
taxodium_GA_CC2	AAAAGGACTGGTRGAGAATGCATTGGCGTTCATTGGACATTGAAGAARG	[1897]
taxodium_FL_CR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACATTGAAGAAGG	[1897]
underhilli_AL_HC3	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACCCCTAAAGAAGG	[1897]
underhilli_GA_FR	AAAAGGACTGGTGGAGAATGCATTGGCGTTCATTGGACACTGAAGAAGG	[1897]
underhilli_GA_FS	AAAAGGATTGGTGGAGAATGCATTAGCGTTCATTGGACACTGAAGAAGG	[1897]

tuberosum	CCGAATCGAATGCGAAAGCGGAACAATCGCTCAAATATCTTCTCTACCTG	[1950]
verecundum	CCGAATCGAACCTTAAAGCGGAACAGTCGCTCAAGTATCTTCTCTACCTG	[1784]
decimatum	-----	[1218]
apricarium	CCGAATCGAATGTGAAAGCGGAACAGTCGCTCAAATATCTTCTCTACCTG	[1947]
reptans	CCGAATCRAATGTGAAAGCTGAACAGTCGCTCAARTATCTTCTCTACCTG	[1947]
anchist_AL_HC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
anchist_DE_DR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
anchist_ME_AR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
anchist_NC_NR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
anchist_ME_KR	CAGAATCKAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
aranti_GA_FS	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
aranti_GA_AS	CAGAATCGAATCAGATAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
aranti_AL_HC	CAGAATCGAATCAGAYAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
aranti_SC_LR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
chlorum_NC_GC3	CAGAATCGAATCAAAAAACGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
chlorum_NC_GC1	CAGAATCGAATCAGAAAGCGGAACAGTCCTCTCAAATACCTTCTCTACCTG	[1947]
chlorum_NC_GC4	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
confusum_TN_LR	CAGAATCGAATCAAAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
confusum_GA_GC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
confusum_GA_EC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAGTATCTTCTCTACTTG	[1947]
confusum_TX_SJR	CAGAAKCGAATCARAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
confusum_TX_SR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTTAAATACCTTCTCTACTTG	[1947]
confusum_TX_Bayou	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTMTACTTG	[1947]
definitum_PA_LC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
definitum_SC_GC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
dixiense_GA_WC	CAGAATCGCATCAGAAAGCGGAACAGTCACTCAAATACCTTCTCTACTTG	[1947]
dixiense_SC_LBC	CAGAATCGCATCAGAAAGCGGAACAGTCACTCAAATACCTTCTCTACTTG	[1947]
dixiense_NC_QC	CAGAATCGCATCAGAAAGCGGAACAGTCACTCAAATACCTTCTCTACTTG	[1947]
dixiense_FL_CC	CAGAATCGCATCAGAAAGCGGAACAGTCACTCAAATACCTTCTCTACTTG	[1947]
fibrinflatum_PA_DR	CAGAATCGAATCAGAAAGCTGAACAGTCGCTCAAATACCTTCTTTACTTG	[1947]
fibrinflatum_ME_AR	CAGAATCGAATCAGAAAGCTGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
fibrinflatum_GA_FR	CAGAATCTAATCAGAAAGCGGAACAGTCRCCTCAAATAYCTTCTCTACTTG	[1947]
haysi_AL_BCC3	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAGTATCTTCTCTACTTA	[1947]
haysi_TX_SJR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAGTATCTTCTCTACTTA	[1947]
infenestrum_NC_RR	CAGAATCGATTAGAAAGCTGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
infenestrum_SC_RBC	CAGAATCGATTAGAAAGCTGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
jenningsi_TN_PR	CAGAATCGAACCAGAAAGCTGAACAGTCACTCAAATACCTTCTTTACTTG	[1947]
jenningsi_NC_ER	CAGAATCGAATCAGAAAGCTGAACAGTCACTCAAATACCTTCTCTACTTG	[1947]
jenningsi_SC_FC	CAGAATCGAAYCAGAAAGCTGAACAGTCACTCAAATACCTTCTCTACTTG	[1947]
jenningsi_PA_BR	CAGAATCGAATCAGAAAGCTGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
jenningsi_GA_AR	CAGAATCGAACCAGAAAGCTGAACAGTCACTCAAATACCTTCTCTACTTG	[1938]
jonesi_FL_CC1	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAGTAYCTTCTCTACTTG	[1947]
jonesi_AL_BCC	CAGAATCGAATCAGAAAGCGGAAGAGTCGCTCAAGTATCTTCTCTACTTG	[1947]
jonesi_NC_CC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATAYCTTCTCTACTTG	[1947]
jonesi_NC_QC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAARTAYCTTCTCTACTTG	[1947]
jonesi_GA_WC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAGTATCTTCTCTACTTG	[1947]
krebsorum_NC_MC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
krebsorum_SC_CC2	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
lakei_PA_NC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
lakei_SC_BR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAATTACCTTCTCTACTTG	[1947]
lakei_FL_CR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
lakei-Taunt_8_MA_TR	CAGAATCGAATCAGRAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
lakei-Taunt_9_MA_TR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTYAAATACCTTCTCTACTTG	[1947]
luggeri_NWT	CAGAATCGAATCAGAAAGCGGAACAATCGCTCAAATACCTTCTCTACTTG	[1947]
luggeri_NE_FR	CAGAATCGAATCAGAAAGCGGAACARTCGCTCAAATACCTTCTCTACTTG	[1947]
luggeri_NC_HR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCATATACCTTCTCTACTTG	[1947]
luggeri_KY_GR3	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
'notiale AL BC5+6'	CAGAATCTAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
notiale_VA_RR	CAGAATCGAATCAGAAAGCTGAACAGTCGCTCAAATACCTTCTTTACTTG	[1947]
notiale_TN_CC	CAGAATCKAATCAGAAAGCTGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]
notiale_SC_RBC	CAGAATCRAATCAGAAAGCTGAACAGTCGCTCAAATACCTTCTTTACTTG	[1947]
'notiale AL BC6+6'	CAGAATCTAATCAAAAAGCGGAACAGTCGCTCAAATACCTTCTCTACTTG	[1947]

nyssa_AL_BC	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
nyssa_ME_AR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
nyssa_VA_RR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
nyssa_ME_PR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
nyssa_NC_TR	CAGAATYGAATCAGAAAGCGGAACAGTCGCTCAAATACCTTCTCTACCTG	[1947]
ozarkense_MO_GR2	CAGAATCGAATCAGAAAGCGGAGCAGTCGCTCAAGTATCTTCTCTACCTG	[1947]
ozarkense_MO_GR1	CAGAATCGAATCAGAAAGCGGAGCAGTCGCTCAAGTATCTTCTCTACCTG	[1947]
penobsco_ME_PR1	CAGAATCGATTAGAAAGCTGAACAGTCGCTCAAATACTTTCTCTACCTG	[1947]
penobsco_ME_PR2	CAGAATCGATTAGAAAGCTGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]
podostemi_NC_TR	CAGAATCGAATCAGAAAGCTGAACAGTCCCTCAAATACTTCTCTACCTG	[1947]
podostemi_GA_AS	CAGAATCGAATCAGAAAGCTGAACAGTCCCTCAAATACTTCTCTACTTG	[1947]
podostemi_MS_BC	CAGAATCGAATCAGAAAGCTGAACAGTCCCTCAAATACTTCTCTACCTG	[1947]
podostemi_GA_CR	CAGAATCGAATCAGAAAGCTGAACAGTCCCTCAAATACTTCTCTACCTG	[1947]
remissum_NC_NR2	CAGAATCGATTAGAAAGCTGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]
remissum_NC_NR1	CAGAATCGATTAGAAAGCTGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]
remissum_NC_NR3	CAGAATCGATTAGAAAGCKGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]
'snowi AL BC 4+6'	CAGAATCTAATCAAAAAGCGGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]
snowi_TN_CC	CAGAATCTAATCAAAAAGCGGAACAGTCGCTCAAATAYCTTCTSTACCTG	[1947]
'snowi AL BC 4+4'	CAGAATCTAATCAGAAAGCGGAACAGTCGCTCAAATATCTTCTCTACCTG	[1947]
taxodium_GA_CC2	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACTTCTCTACTTG	[1947]
taxodium_FL_CR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]
underhilli_AL_HC3	CAGAATCGAATCAGAAAGCKGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]
underhilli_GA_FR	CAGAATCGAATCAGAAAGCGGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]
underhilli_GA_FS	CAGAATCGAATCAGAAAGCTGAACAGTCGCTCAAATACTTCTCTACCTG	[1947]

tuberosum	GTGGACGTCAACCAGCTGTACAAT	[1974]
verecundum	GTGGACATCAATCAGCTGTACAAC	[1808]
decimatum	-----	[1218]
apricarium	GTGGACGTCAATCAGCTGTACAAC	[1971]
reptans	GTGGACGTCAATCAGCTGTTCAAC	[1971]
anchist_AL_HC	GTGGACGTCAACCAGCTATACAAC	[1971]
anchist_DE_DR	GTGGACGTCAACCAGCTATACAAC	[1971]
anchist_ME_AR	GTGGACGTCAACCAGTTATACAAC	[1971]
anchist_NC_NR	GTGGACGTCAACCAGCTATACAAC	[1971]
anchist_ME_KR	GTGGACGTCAACCAGCTATACAAC	[1971]
aranti_GA_FS	GTGGACGTCAACCAGCTATACAAC	[1971]
aranti_GA_AS	GTGGACGTCAACCAGCTATACAAC	[1971]
aranti_AL_HC	GTGGACGTCAACCAGCTATACAAC	[1971]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
aranti_SC_LR	GTGGACGTCAACCAGCTATACAAC	[1971]
chlorum_NC_GC3	GTGGACGTCAACCAGCTATATAAC	[1971]
chlorum_NC_GC1	GTGGACGTCAACCAGCTATACAAC	[1971]
chlorum_NC_GC4	GTGGACGTCAACCAGCTATACAAY	[1971]
confusum_TN_LR	GTGGACGTCAACCAGCTATACAAC	[1971]
confusum_GA_GC	GTGGACGTCAACCAGCTTTTACAAC	[1971]
confusum_GA_EC	GTGGACGTCAACCAGCTATACAAC	[1971]
confusum_TX_SJR	GTGGACGTCAWCCAGCTATAYAAC	[1971]
confusum_TX_SR	GTGGACGTCAACCAGCTATACAAC	[1971]
confusum_TX_Bayou	GTGGACGTSAAACCAGCTATACAAC	[1971]
definitum_PA_LC	GTGGACGTCAACCAGCTATACAAC	[1971]
definitum_SC_GC	GTGGACGTCAACCAGCTATACAAC	[1971]
dixiense_GA_WC	GTGGACGTGAACCAACTATACAAC	[1971]
dixiense_SC_LBC	GTGGACGTGAACCAACTATACAAC	[1971]
dixiense_NC_QC	GTGGACGTGAACCAACTATACAAC	[1971]
dixiense_FL_CC	GTGGACGTGAACCAACTATACAAC	[1971]
fibrinflatum_PA_DR	GTGGACGTCAACCAGCTTTTACAAC	[1971]
fibrinflatum_ME_AR	GTGGACGTCAACCAGCTTTTACAAC	[1971]
fibrinflatum_GA_FR	GTGGACGTCAACCAGCTATACAAC	[1971]
haysi_AL_BCC3	GTGGACGTCAACCAGCTATACAAC	[1971]
haysi_TX_SJR	GTGGACGTCAACCAGCTATACAAC	[1971]
infenestrum_NC_RR	GTGGACGTCAACCAACTATACAAT	[1971]
infenestrum_SC_RBC	GTGGACGTCAACCAACTATACAAY	[1971]
jenningsi_TN_PR	GTGGACGTCAACCAGCTATACAAC	[1971]
jenningsi_NC_ER	GTGGACGTCAACCAGCTATACAAC	[1971]

jenningsi_SC_FC	GTGGACGTCAACCAGCTATACAAC	[1971]
jenningsi_PA_BR	GTGGACGTCAATCAGCTATACAAC	[1971]
jenningsi_GA_AR	GTGGACGTCAACCAGCTATACAAC	[1962]
jonesi_FL_CC1	GTGGAYGTGAACCAGTTATACAAC	[1971]
jonesi_AL_BCC	GTGGACGTCAACCAGCTATACAAC	[1971]
jonesi_NC_CC	GTGGACGTCAACCAGCTATACAAC	[1971]
jonesi_NC_QC	GTGGACGTGAACCAGCTATACAAC	[1971]
jonesi_GA_WC	GTGGACGTGAGCCAGCTATACAAT	[1971]
krebsorum_NC_MC	GTGGACGTCAACCAGCTTTACAAT	[1971]
krebsorum_SC_CC2	GTGGACGTCAACCAGCTTTACAAT	[1971]
lakei_PA_NC	GTGGACGTCAACCAGCTATATAAC	[1971]
lakei_SC_BR	GTGGACGTCATCCAGCTATACAAC	[1971]
lakei_FL_CR	GTGGACGTCAACCAGCTATAYAAC	[1971]
lakei-Taunt_8_MA_TR	GTGGACGTCAACCAGCTATATAAC	[1971]
lakei-Taunt_9_MA_TR	GTGGACGTCAACCAGCTATATAAC	[1971]
luggeri_NWT	GTAGACGTCAACCAGCTATATAAC	[1971]
luggeri_NE_FR	GTAGACGTCAACCAGCTATATAAC	[1971]
luggeri_NC_HR	GTAGACGTCAACCAGCTATATAAC	[1971]
luggeri_KY_GR3	GTGGACGTCAATCAGCTATATAAC	[1971]
'notiale AL BC5+6'	GTGGACGTCAACCAGCTATACAAC	[1971]
notiale_VA_RR	GTGGACGTCAATCAGCTTTACAAC	[1971]
notiale_TN_CC	GTGGACGTCAACCAGCTATACAAC	[1971]
notiale_SC_RBC	GTGGACGTCAACCAGCTTTACAAC	[1971]
'notiale AL BC6+6'	GTGGACGTCAACCAGCTATACAAC	[1971]
nyssa_AL_BC	GTGGACGTCAACCAGCTATACAAC	[1971]
nyssa_ME_AR	GTGGACGTCAACCAGCTATACAAC	[1971]
nyssa_VA_RR	GTGGACGTCAACCAGCTATACAAC	[1971]
nyssa_ME_PR	GTGGACGTCAACCAGCTATACAAC	[1971]
nyssa_NC_TR	GTGGACGTCAACCAGCTATACAAC	[1971]
ozarkense_MO_GR2	GTGGACGTCAACCAGCTATACAAT	[1971]
ozarkense_MO_GR1	GTAGACGTCAACCAGCTTTACAAT	[1971]
penobsco_ME_PR1	GTGGACGTCAACCAACTATACAAY	[1971]
penobsco_ME_PR2	GTGGACGTCAACCAACTATACAAT	[1971]
podostemi_NC_TR	GTGGACGTGAACCAGCTATACAAC	[1971]
podostemi_GA_AS	GTGGACGTGAACCAGCTATACAAC	[1971]
podostemi_MS_BC	GTGGACGTGAACCAGCTATACAAC	[1971]
podostemi_GA_CR	GTGGACGTGAACCAGCTATACAAC	[1971]

Appendix 1. (Cont.)

Taxa	Sequence	Base #
remissum_NC_NR2	GTGGACGTCAACCAACTATACAAT	[1971]
remissum_NC_NR1	GTGGACGTCAACCAACTATACAAT	[1971]
remissum_NC_NR3	GTGGACGTCAACCAACTATACAAT	[1971]
'snowi AL BC 4+6'	GTGGACGTCAACCAGCTATACAAC	[1971]
snowi_TN_CC	GTGGACGTCAACCAGCTATACAAC	[1971]
'snowi AL BC 4+4'	GTGGACGTCAACCAGCTATACAAC	[1971]
taxodium_GA_CC2	GTGGACGTCAACCAGCTATACAAC	[1971]
taxodium_FL_CR	GTGGACGTCAACCAGCTATACAAT	[1971]
underhilli_AL_HC3	GTGGACGTCAACCAGCTATACAAC	[1971]
underhilli_GA_FR	GTGGACGTCAACCAGCTTTACAAC	[1971]
underhilli_GA_FS	GTGGACGTCAACCAGCTTTACAAC	[1971]

Vita

Gail was born in Michigan, raised in Texas, and attended high school in Virginia. Initially accepted to Virginia Tech for Electrical Engineering in 2005, Gail discovered while taking an elective class (Insects in Human Society) that it wasn't the right major for her. She graduated in 2009, with a Bachelors degree in Agricultural Science with minors in Entomology and Horticulture. The summer after graduation, she worked as a professional intern at Walt Disney World while deciding where to apply to continue her education.

She applied and was accepted by the University of Tennessee (Knoxville) and started in the Spring semester in 2010 with Dr. Moulton. In 2012, she had the opportunity to attend and present at the SEB/SWB joint ESA meeting in Little Rock, Arkansas.