

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF</i> -H	<i>psbK</i> -I	<i>trnH-psbA</i>	<i>trnL</i> -F	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Bambusoideae	<i>Burgersiochloa bambusoides</i>	KJ871000	KJ871000	KJ871000	KJ871000	KJ871000	KJ871000	KJ871000	KJ871000	K:SD 1365
Bambusoideae	<i>Cephalostachyum pergracile</i>				EU434082	EU434274	KC020495	KC123353		SD 1435/KEW; WZ 8400635 (<i>ndhF</i>); Xia 387 (<i>rbcL</i>)
Bambusoideae	<i>Chimonobambusa marmorea</i>			FJ644254	EF137526	EF125168	FJ643711	AJ746176		Chase1982 K; J.K. Triplett 69 (<i>trnH-psbA</i> , <i>ndhF</i>)
Bambusoideae	<i>Chusquea circinata</i>	NC_027490	NC_027490	NC_027490	NC_027490	NC_027490	NC_027490	NC_027490	NC_027490	
Bambusoideae	<i>Chusquea spectabilis</i>	NC_026959	NC_026959	NC_026959	NC_026959	NC_026959	NC_026959	NC_026959	NC_026959	ISC<USA-IA>:XL & LC 919
Bambusoideae	<i>Dendrocalamus latiflorus</i>	NC_013088	NC_013088	NC_013088	NC_013088	NC_013088	NC_013088	NC_013088	NC_013088	
Bambusoideae	<i>Diandrolyra sp.</i>	KJ870991	KJ870991		KJ870991	KJ870991	KJ870991	KJ870991	KJ870991	ISC<USA-IA>:Clark 1301
Bambusoideae	<i>Drepanostachyum falcatum</i>				EF137529	EF125170		AJ746265		Chase1987 K
Bambusoideae	<i>Fargesia spathaceae</i>	JX513417	JX513417	JX513417	JX513417	JX513417	JX513417	JX513417	JX513417	
Bambusoideae	<i>Greslania sp.</i>	NC_026961	NC_026961		NC_026961	NC_026961	NC_026961	NC_026961	NC_026961	MO:G. McPherson 19217
Bambusoideae	<i>Hickelia madagascariensis</i>	KJ870994	KJ870994		KJ870994	KJ870994	KJ870994	KJ870994	KJ870994	K:S. Dransfield 1349
Bambusoideae	<i>Indocalamus longiauritus</i>	NC_015803	NC_015803	NC_015803	NC_015803	NC_015803	NC_015803	NC_015803	NC_015803	
Bambusoideae	<i>Indocalamus wilsonii</i>	NC_024720	NC_024720	NC_024720	NC_024720	NC_024720	NC_024720	NC_024720	NC_024720	
Bambusoideae	<i>Indosasa sinica</i>	NC_024721	NC_024721	NC_024721	NC_024721	NC_024721	NC_024721	NC_024721	NC_024721	
Bambusoideae	<i>Melocanna baccifera</i>				EF137536	EF125174	AF182348	EF125082		Xia383 IBSC
Bambusoideae	<i>Merostachys sp.</i>	KT373815	KT373815		KT373815	KT373815	KT373815	KT373815	KT373815	Th. Greco 18-FLOR_16/09/20
Bambusoideae	<i>Neololeba atra</i>	KJ870996	KJ870996		KJ870996	KJ870996	KJ870996	KJ870996	KJ870996	ISC<USA-IA>:Clark & Triplett 1663
Bambusoideae	<i>Olmea reflexa</i>	NC_026965	NC_026965	NC_026965	NC_026965	NC_026965	NC_026965	NC_026965	NC_026965	Francisco Botanical Garden 312
Bambusoideae	<i>Olyra latifolia</i>	NC_024165	NC_024165	NC_024165	NC_024165	NC_024165	NC_024165	NC_024165	NC_024165	ISC<USA-IA>:AF97
Bambusoideae	<i>Otatea acuminata</i>	NC_026971	NC_026971	NC_026971	NC_026971	NC_026971	NC_026971	NC_026971	NC_026971	ISC<USA-IA>:Clark & Zhang 1348
Bambusoideae	<i>Pariana radicyflora</i>	NC_026972	NC_026972	NC_026972	NC_026972	NC_026972	NC_026972	NC_026972	NC_026972	ISC<USA-IA>:Clark & Zhang 1344
Bambusoideae	<i>Phyllostachys bambusoides</i>	KM538918	KM538846	KM538880	KX372471	ON745583	KM538721	KM538817	KM407614	J.H.Lee 2010077 (This Study)
Bambusoideae	<i>Phyllostachys edulis</i>	NC_015817	NC_015817	NC_015817	NC_015817	NC_015817	NC_015817	NC_015817	NC_015817	
Bambusoideae	<i>Arundinaria tecta</i>	KC817463	KC817463	KC817463	KC817463	KC817463	KC817463	KC817463	KC817463	MO:JT173
Bambusoideae	<i>Phyllostachys nigra</i>	KM538917	KM538845	KM538879	KX372472		KM538720	KM538816	ON759412	J.H.Lee 2010078 (This Study)

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Subfamily	Taxon	<i>atpF</i> -H	<i>psbK</i> -I	<i>trnH-psbA</i>	<i>trnL</i> -F	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Bambusoideae	<i>Phyllostachys nigra</i> var. <i>henonis</i>	HQ599898	JN634992	HQ600112		HQ599998		HQ600419	HQ600319	J.H.Lee 2010064 (This Study)
Bambusoideae	<i>Pleioblastus simonii</i>	KM538916	KM538844						ON759413	J.H.Lee 2012008 (This Study)
Bambusoideae	<i>Pseudosasa hindsii</i>			JN247343		JN247153		JN247248		KUN 06078
Bambusoideae	<i>Pseudosasa japonica</i>	KM538919	KM538847	KM538881		KM538788		KM538818	KM407615	J.H.Lee 2010063 (This Study)
Bambusoideae	<i>Raddia brasiliensis</i>	KJ870998	KJ870998	KJ870998	KJ870998	KJ870998	KJ870998	KJ870998	KJ870998	ISC<USA-IA>;Clark & Attigala 1713
Bambusoideae	<i>Sasa borealis</i>	HQ599896	JQ031209	HQ600110	KX372483	HQ599996	KM538722	HQ600417	HQ600317	YDK2008481 (This Study)
Bambusoideae	<i>Sasa quelpaertensis</i>	HQ599897	JN634991	HQ600111		HQ599997	KM538723	HQ600418	HQ600318	J.H.Lee 2010062 (This Study)
Bambusoideae	<i>Schizostachyum funghomii</i>				EF137551	EF137440		EF125084		Xia351 IBSC
Chloridoideae	<i>Aeluropus littoralis</i>					AF144597	JN681717	JN681649		
Chloridoideae	<i>Allolepis texana</i>				EF156670		EF561646	JN681650		Bell 240 (RSA)
Chloridoideae	<i>Astrelba lappacea</i>					AF144589	JN681599	JN681651	GU360094	Columbus 5119 (RSA); US:McKinlay s.n. (<i>trnL</i> -F); USDA-NPGS PI 284733 (<i>matK</i>)
Chloridoideae	<i>Bewsia biflora</i>					JN681617	JN681719	JN681652	GU360084	Snow & Burgoyne 6927 (MO); US:Davidse 6471, Simon, Drummond & Bennett (<i>rps3</i>)
Chloridoideae	<i>Blepharidachne kingii</i>				EF156672	JN681618	JN681720	JN681653		
Chloridoideae	<i>Bouteloua curtipendula</i>	KT168386	KT168386	KT168386	KT168386	KT168386	KT168386	KT168386	KT168386	DEK:S. Burke 27
Chloridoideae	<i>Centropodia glauca</i>	KT168383	KT168383	KT168383	KT168383	KT168383	KT168383	KT168383	KT168383	ISC<USA-IA>;P. Linder 5410
Chloridoideae	<i>Chloris virgata</i>					HE586081	HE575772	HE575821	GU360045	K:Chase 21994; US:Peterson 21468, Soreng, La Torre & Rojas Fox (<i>rps3</i>)
Chloridoideae	<i>Cleistogenes hackelii</i>	HQ599892	JN634987	HQ600105		HQ599991	ON759365	HQ600412	HQ600313	YDK2009813 (This Study)
Chloridoideae	<i>Coelachyrum yemenicum</i>					AF144581	JN681612	JN681659		Ingram 2000-34 (BH); USDA- NPGS PI 364502 (<i>ndhF</i>)
Chloridoideae	<i>Cottea pappophoroides</i>				EF156682	AF312359	JN681613	JN681660	GU360138	Columbus 3183 (RSA); R. Soreng et al. 1566 (TAES) (<i>matK</i>); US:Peterson 21463, Soreng, La Torre & Rojas Fox (<i>rps3</i>)
Chloridoideae	<i>Craspedorhachis africana</i>					LN906674	LN908072	LN907909	GU360139	RGD188; US:Zohy 504 & Schweikeidt (<i>rps3</i>)

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Chloridoideae	<i>Ctenium concinnum</i>					LN906675	LN908073	LN907910		RGD194
Chloridoideae	<i>Cynodon dactylon</i>	HQ599888	JN634984	HQ600101		HQ599987		HQ600408	HQ600309	J.H.Lee 2010060 (This Study)
Chloridoideae	<i>Cynodon transvaalensis</i>				EF137562	HE591380	HE575774	HE575823	GU360123	TCD:T.R. Hodkinson 116; Chase9265 K (<i>trnL-F</i>); US:Smook 6710 (<i>rps3</i>)
Chloridoideae	<i>Dactyloctenium capitatum</i>					LN906679	LN908077	LN907914		MSV1393
Chloridoideae	<i>Decaryella madagascariensis</i>					LN906680	LN908078	LN907915		MSV1398
Chloridoideae	<i>Dinebra retroflexa</i>				EF156688	AF144594	JN681602	JN681662	GU360052	Columbus 5108 (RSA); Clarke s. n. (RSA) (<i>trnL-F</i>); USDA-NPGS PI 275326 (<i>matK</i>); US:Ndegwa 610 (<i>rps3</i>)
Chloridoideae	<i>Distichlis eludens</i>				EF156726	AF312350	JN681724	JN681663		Bell 250 (RSA); J. Reeder & C. Reeder 4500 (ISC) (<i>matK</i>)
Chloridoideae	<i>Ectrosia leporina</i>				EF156690	JN681628	JN681726	JN681665		Bell 171 (RSA)
Chloridoideae	<i>Eleusine coracana</i>					HQ180864	HQ181112	HQ182427	HQ183036	J.H. Leebens-Mack 1003-2010
Chloridoideae	<i>Eleusine indica</i>	FJ766113	FJ766254	FJ766207	KX372410	HQ599960	KM538777	HQ600381	FJ766301	YDK2008519 (This Study)
Chloridoideae	<i>Ellisochloa rangei</i>				EU401215	EU400747	EU400803	DQ887115	JF729180	Barker 960 (BOL)
Chloridoideae	<i>Enteropogon prieurii</i>					HE573969	AM849153	AM849397		T Renaud 11-2005 (G)
Chloridoideae	<i>Eragrostis curvula</i>	HQ599877	JN634973	HQ600090	KX372416	HQ599976	ON759368	HQ600397	HQ600298	YDK2009808 (This Study)
Chloridoideae	<i>Eragrostis ferruginea</i>	FJ766114	FJ766255	FJ766208	KX372417	HQ599956	KM538778	HQ600377	FJ766302	YDK2008500 (This Study)
Chloridoideae	<i>Eragrostis japonica</i>	KM538937		KM538898	KX372418			KM538829		J.H.Lee 2010545 (This Study)
Chloridoideae	<i>Eragrostis minor</i>	KM538938	KM538862	KM538899	KX372419	KM538801	ON759369	KM538830	KM407617	YDK2009771 (This Study)
Chloridoideae	<i>Eragrostis multicaulis</i>	FJ766115	FJ766256	FJ766209	KX372420	HQ599948	ON759370	HQ600369	FJ766303	YDK2008473 (This Study)
Chloridoideae	<i>Eragrostis pilosa</i>	KM538939	KM538863	OP038403	KX372421	KM538802	ON759371	KM538831	KM407616	YDK2008474 (This Study)
Chloridoideae	<i>Eragrostis tef</i>	KT168385	KT168385	KT168385	KT168385	KT168385	KT168385	KT168385	KT168385	RSA:A.L. Ingram 544
Chloridoideae	<i>Eustachys distichophylla</i>				EF156700	AF144586	JN681734	JN681670		Columbus 3090 (RSA); USDA- NPGS PI 404298 (<i>matK</i>)
Chloridoideae	<i>Fingerhuthia africana</i>				DQ655891	HE575866	HE575776	HE575825		TCD:Smook 6942; Spies7507 (<i>trnL-F</i>)
Chloridoideae	<i>Gouinia latifolia</i>				EF156702	JN681633	JN681735	JN681671		Columbus 3568 (RSA)
Chloridoideae	<i>Gymnopogon foliosus</i>					HE586082	HE575777	HE575826		TCD:T.R. Hodkinson 628

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Chloridoideae	<i>Harpochloa falx</i>				DQ655859	JN681620	JN681736	JN681673		Snow, Burgoyne, McKibbin, & Roux 7020 (MO); Spies6670 (<i>trnL-F</i>)
Chloridoideae	<i>Hilaria cenchroides</i>	KT168387	KT168387	KT168387	KT168387	KT168387	KT168387	KT168387	KT168387	RSA:J.T. Columbus 5049
Chloridoideae	<i>Lepturus repens</i>				EF137566	AF144598	AM849163	EF125111	GU360228	Hodkinson272 TCD; Latz 10843, MO (<i>matK</i>); US:Whistler 9853 (<i>rps3</i>)
Chloridoideae	<i>Melanocenchris abyssinica</i>				EF156712	AF312326	JN681743	JN681680		Columbus 4304.5 (RSA); PI 213515/K. Hilu 5645 (VPI) (<i>matK</i>)
Chloridoideae	<i>Microchloa kunthii</i>			KR735999		LN906734	LN908132	LN907969	GU360220	MSV746; A3_K1301_Microchloa_kunthii (<i>trnH-psbA</i>); US:Peterson 22152 & Saarela (<i>rps3</i>)
Chloridoideae	<i>Monodia stipoides</i>					AF144602		JN681682		Jacobs 8032 (NSW)
Chloridoideae	<i>Muhlenbergia hakonensis</i>	HQ599895	JN634990	HQ600108	KX372454	HQ599994	ON759380	HQ600415	HQ600316	YDK2009858 (This Study)
Chloridoideae	<i>Muhlenbergia huegelii</i>	FJ766123	FJ766264	FJ766217	KX372455	HQ599955	KM538779	HQ600376	FJ766311	YDK2008497 (This Study)
Chloridoideae	<i>Muhlenbergia tricholepis</i>				EF156673	JN681638	JN681610	JN681691	GU360103	Columbus 3652 (RSA); US:Peterson 22099 & Saarela (<i>rps3</i>)
Chloridoideae	<i>Munroa squarrosa</i>				EF156718	JN681623	JN681750	JN681692		Columbus 3894 (RSA)
Chloridoideae	<i>Neostapfia colusana</i>				EF156720	AF312351	JN681752	JN681694		Reeder & Reeder 6198 (RSA); R. Stone 811 (UCR) (<i>matK</i>)
Chloridoideae	<i>Neostapfiella perrieri</i>					LN906737	LN908135	LN907972		MSV1486
Chloridoideae	<i>Neyraudia reynaudiana</i>	KF356392	KF356392	KF356392	KF356392	KF356392	KF356392	KF356392	KF356392	RSA:Columbus 5302
Chloridoideae	<i>Odysea paucinervis</i>						JN681753	JN681695		Snow & Chatukuta 6826 (MO)
Chloridoideae	<i>Orcuttia californica</i>				EF156721	AF144599	JN681754	JN681696		Columbus 2687 (RSA); O. Mistretta s.n., RSA (<i>matK</i>)
Chloridoideae	<i>Oxychloris scariosa</i>					AF312334	JN681606	JN681697		Columbus 5150 (RSA); PI 238262/ K. Hilu 5701 (VPI) (<i>matK</i>)
Chloridoideae	<i>Pappophorum vaginatum</i>				EF156722	JN681624	JN681755	JN681698		Columbus 2540 (RSA)
Chloridoideae	<i>Perotis patens</i>				DQ655869	FR821323	FR821357	FR821340		BRU:S.H. Taylor 24; HJT Venter9323 (<i>trnL-F</i>)
Chloridoideae	<i>Pogonarthria squarrosa</i>				EF156724	JN681640	JN681756	JN681701		Snow et al. 7023 (MO)

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Chloridoideae	<i>Sporobolus fertilis</i>	FJ766138	FJ766279	FJ766232	KX372495	HQ599943	KM538780	HQ600364	FJ766326	YDK2008431 (This Study)
Chloridoideae	<i>Sporobolus michauxianus</i>	KT168388	KT168388	KT168388	KT168388	KT168388	KT168388	KT168388	KT168388	CAN:P.M.Peterson 20865
Chloridoideae	<i>Sporobolus piliferus</i>	KM538940						KM538832		J.H.Lee 2012010 (This Study)
Chloridoideae	<i>Sporobolus schoenoides</i>				EF137561	HE573966	AM849140	EF125105	GU360141	K:Chase 9264; Chase19523 K (<i>rbcL</i>); US:Peterson 19814, Saarela & Sears (<i>rps3</i>)
Chloridoideae	<i>Tetrapogon cenchriformis</i>					HE573976	AM849192	AM849396		T Renaud et al. 224-2003 (G)
Chloridoideae	<i>Tragus racemosus</i>				EF137570	HE573977	AM849193	EF125103		K:Chase 19533; Chase9277 K (<i>trnL</i> -F)
Chloridoideae	<i>Trichoneura grandiglumis</i>					HE575871	HE575786	HE575835		
Chloridoideae	<i>Tridens flavus</i>				EF156739	AF312346	JN681611	JN681710		Columbus 3212 (RSA); T. Wieboldt s. n. (VPI) (<i>matK</i>)
Chloridoideae	<i>Triodia desertorum</i>				EF156741	KT199473	JN681764	JN681711		Bell 114 (RSA)
Chloridoideae	<i>Triplasis americana</i>				EF156742	JN681642	JN681765	JN681712		Columbus 4251 (RSA)
Chloridoideae	<i>Tripogon minimus</i>					HE573978	AM849194	AM849342		T. Renaud 08-2005 (G)
Chloridoideae	<i>Tuctoria mucronata</i>				EF156744	JN681644	JN681766	JN681714		Columbus 4682.5 (RSA)
Chloridoideae	<i>Uniola pittieri</i>				GU990370	HE591381	HE575787	HE575836		TCD:T.R. Hodkinson 584; Columbus 4083 (RSA) (<i>trnL</i> -F)
Chloridoideae	<i>Viguierella madagascariensis</i>					LN906795	LN908193	LN908030		MSV966
Chloridoideae	<i>Willkommia texana</i>				EF156747	JN681645	JN681609		GU360054	Columbus 4143 (RSA); US:Gould 12525 (<i>rps3</i>)
Chloridoideae	<i>Zoysia japonica</i>	KM538941	KM538864	KM538900	KX372503	KM538803	KM538781	KM538833	KM407618	YDK2009720 (This Study)
Chloridoideae	<i>Zoysia macrantha</i>	KT168390	KT168390	KT168390	KT168390	KT168390	KT168390	KT168390	KT168390	RSA:J.T. Columbus 5085
Chloridoideae	<i>Zoysia macrostachya</i>	KM538942		KM538901					ON759418	J.H.Lee 2012002 (This Study)
Chloridoideae	<i>Zoysia sinica</i>	HQ599867	JN634963	HQ600080	KX372504	HQ599966	KM538782	HQ600387	HQ600288	YDK2009724 (This Study)
Danthonioideae	<i>Chaetobromus involucratus</i> subsp. <i>dregeanus</i>	KJ920226	KJ920226	KJ920226	KJ920226	KJ920226	KJ920226	KJ920226	KJ920226	
Danthonioideae	<i>Chionochloa macra</i>	KJ920227	KJ920227	KJ920227	KJ920227	KJ920227	KJ920227	KJ920227	KJ920227	
Danthonioideae	<i>Cortaderia columbiana</i>				EU401166	EU400723	EU400779	DQ887101		Lyle, M. 920 (HBG, BOL)
Danthonioideae	<i>Cortaderia selloana</i>	KM538943	KM538865	KM538902	KX372401	KM538804		KM538834	ON759401	J.H.Lee 2010471 (This Study)

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Danthonioideae	<i>Danthonia californica</i>	KJ920229	KJ920229	KJ920229	KJ920229	KJ920229	KJ920229	KJ920229	KJ920229	
Danthonioideae	<i>Merxmuellera drakensbergensis</i>				EU401211	EU400742	EU400798	DQ887110	JF729179	Mafa, P. 4 (BOL; GRA)
Danthonioideae	<i>Pentameris dentata</i>				DQ913556	EU400760	EU400815	DQ887121		H. P. Linder 5430 (BOL)
Danthonioideae	<i>Plinthanthesis paradoxa</i>					EU400759	EU400814	U31440		Linder, H.P. 5638 (BOL)
Danthonioideae	<i>Pseudopentameris macrantha</i>				DQ218192	EU400761	EU400816	DQ887122		Linder, H.P. 5470 (BOL)
Danthonioideae	<i>Rytidosperma pictum</i>				EU401247	EU400765	EU400820	EU400674	GU360172	Pirie, M.D. 355 (Z); US:Peterson 19182, Soreng, Salariato & Panizza (<i>rps3</i>)
Danthonioideae	<i>Schismus barbatus</i>				DQ218168	HE574432	HE573550	HE573320		TCD:S.J. & T.R. Hodgkinson 9467; G. A. Verboom 572, BOL (<i>trnL-F</i>)
Danthonioideae	<i>Tribolium pusillum</i>				DQ218182	HE573987	HE573484	HE573448		GH:H.P. Linder 5440; G. A. Verboom 588, BOL (<i>trnL-F</i>)
Ehrhartoideae	<i>Chikusichloa aquatica</i>	KR078265	KR078265	KR078265	KR078265	KR078265	KR078265	KR078265	KR078265	
Ehrhartoideae	<i>Ehrharta erecta</i>					AY792568	AM887887	AM887883		G. Besnard 04-2007 (G); 4698 RSA (<i>matK</i>)
Ehrhartoideae	<i>Humbertochloa bambusiuscula</i>					LN906717	LN908115	LN907952		MSV956
Ehrhartoideae	<i>Hygroryza aristata</i>			GU177365	GU177395	GU177305	FJ908365			X.W. Xu s.n. Jiangxi
Ehrhartoideae	<i>Leersia japonica</i>	HQ599900	JN634994	HQ600114	KX372440	HQ600000	KM538724	HQ600421	HQ600321	YDK2009840 (This Study)
Ehrhartoideae	<i>Leersia oryzoides</i>	ON745599		OP038402	KX372441				ON759406	J.H.Lee 2015018 (This Study)
Ehrhartoideae	<i>Leersia tisserantii</i>	JN415112	JN415112	JN415112	JN415112	JN415112	JN415112	JN415112	JN415112	
Ehrhartoideae	<i>Luziola peruviana</i>			GU177366	GU177396	GU177306				Webster s.n. LSU
Ehrhartoideae	<i>Microlaena stipoides</i>	GU592211	GU592211	GU592211	GU592211	GU592211	GU592211	GU592211	GU592211	
Ehrhartoideae	<i>Oryza rufipogon</i>	NC_017835	NC_017835	NC_017835	NC_017835	NC_017835	NC_017835	NC_017835	NC_017835	
Ehrhartoideae	<i>Oryza sativa Japonica</i>	NC_001320	NC_001320	NC_001320	NC_001320	NC_001320	NC_001320	NC_001320	NC_001320	
Ehrhartoideae	<i>Rhynchoryza subulata</i>	JN415114	JN415114	JN415114	JN415114	JN415114	JN415114	JN415114	JN415114	
Ehrhartoideae	<i>Zizania aquatica</i>	KJ870999	KJ870999	KJ870999	KJ870999	KJ870999	KJ870999	KJ870999	KJ870999	CAN:Saarela 20870
Ehrhartoideae	<i>Zizania latifolia</i>	KT161956	KT161956	KT161956	KT161956	KT161956	KT161956	KT161956	KT161956	
Ehrhartoideae	<i>Zizania latifolia</i>	HQ599899	JN634993	HQ600113	KX372502	HQ600001	KM538725	HQ600420	HQ600320	YDK2009839 (This Study)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF-H</i>	<i>psbK-I</i>	<i>trnH-psbA</i>	<i>trnL-F</i>	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Micrairoideae	<i>Coelachne africana</i>					HF558496	HF558462			K:RC Hall 9
Micrairoideae	<i>Coelachne japonica</i>	ON745592		OP038410	KX372399				ON759399	ParkSH61310 (This Study)
Micrairoideae	<i>Eriachne stipacea</i>	KJ920231	KJ920231	KJ920231	KJ920231	KJ920231	KJ920231	KJ920231	KJ920231	
Micrairoideae	<i>Hubbardia heptaneuron</i>					GU827367	GU827364			
Micrairoideae	<i>Isachne distichophylla</i>	KJ920233	KJ920233	KJ920233	KJ920233	KJ920233	KJ920233	KJ920233	KJ920233	
Micrairoideae	<i>Isachne globosa</i>	HQ599890	JN634970	HQ600087	KX372435	HQ599973	ON759375	HQ600394	HQ600295	YDK2009785 (This Study)
Micrairoideae	<i>Isachne nipponensis</i>	KM538904	KM538836	KM538866	KX372436	ON745578		KM538805	ON759405	SHCho392 (This Study)
Micrairoideae	<i>Micraira spiciformis</i>	KJ920234	KJ920234	KJ920234	KJ920234	KJ920234	KJ920234	KJ920234	KJ920234	
Micrairoideae	<i>Pheidochloa gracilis</i>						JN604700			
Panicoideae	<i>Acritochaete volkensisii</i>					HE586069	HE573491	HE573336		G:Carvalho 3691
Panicoideae	<i>Acroceras tonkinense</i>				GQ869936	HE574020	AM849121	AM849376		A.T. & S.S. 630 (TCD)
Panicoideae	<i>Alloteropsis cimicina</i>	KT281156	KT281156	KT281156	KT281156	KT281156	KT281156	KT281156	KT281156	
Panicoideae	<i>Alloteropsis semialata</i>	KT281147	KT281147	KT281147	KT281147	KT281147	KT281147	KT281147	KT281147	
Panicoideae	<i>Andropogon africanus</i>					LN906640	LN908038	LN907875		MSV1658
Panicoideae	<i>Anthaeantia rufa</i>					HE574031	HE573492	HE573455		GH:R. Kral 90294
Panicoideae	<i>Anthephora elongata</i>					HE574034	HE573494	HE573342		MO:S. Malcomber 3081
Panicoideae	<i>Arthraxon hispidus</i>	HQ599887	JN634983	HQ600100	KX372384	HQ599986	ON759360	HQ600407	HQ600308	YDK2009860 (This Study)
Panicoideae	<i>Arthraxon lanceolatus</i>				GQ869960	HE574004	AM849128			G Besnard 67-2006 (G); AT&SS 720/THNHM (<i>trnL-F</i>)
Panicoideae	<i>Arundinella deppeana</i>					HE574005	AM849214	AM849417		G Sanchez-Ken 676 (ISC)
Panicoideae	<i>Arundinella hirta</i>	FJ766101	FJ766242	FJ766195	KX372385	HQ599957	KM538700	HQ600378	FJ766289	YDK2008501 (This Study)
Panicoideae	<i>Arundoclaytonia dissimilis</i>						AY847121			
Panicoideae	<i>Axonopus compressus</i>			AY769119		HE574448	HE573561	EF125127		TCD:S.J. & T.R. Hodkinson 9562; VTsRcRm14428 (<i>trnH-psbA</i>); Hodkinson509 TCD (<i>rbcL</i>)
Panicoideae	<i>Bothriochloa ischaemum</i>			HE966512	DQ004964	HE574006	AM849131	AM887873		G. Besnard 01-2006 (G); MIB:ZPL:03691 (<i>trnH-psbA</i>); PI 477958 RSA (<i>trnL-F</i>)
Panicoideae	<i>Bromuniola gossweileri</i>						AY847124	HM167468		FM-12258
Panicoideae	<i>Capillipedium parviflorum</i>	KM538907		KM538870	KX372398	KM538784		KM538809	ON759398	J.H.Lee 2012020 (This Study)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF-H</i>	<i>psbK-I</i>	<i>trnH-psbA</i>	<i>trnL-F</i>	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Panicoideae	<i>Cenchrus americanus</i>	KJ490012	KJ490012	KJ490012	KJ490012	KJ490012	KJ490012	KJ490012	KJ490012	
Panicoideae	<i>Centotheca lappacea</i>	KJ920225	KJ920225	KJ920225	KJ920225	KJ920225	KJ920225	KJ920225	KJ920225	
Panicoideae	<i>Chaetopoa pilosa</i>					HE574042	JN604679	HE573362		K:Biidgood et al. G-59
Panicoideae	<i>Chasmanthium latifolium</i>				DQ172304	HM363069	AM849138	HM363094	HM363108	M.R. Duvall s.n. 21 April 2008 (DEK); Columbus 3211 RSA (<i>trnL-F</i>); Chase 19162 (K) (<i>ndhF</i>)
Panicoideae	<i>Chionachne gigantea</i>					HE574075	HE586630	HE586625		GH:RS 9718
Panicoideae	<i>Coix lacryma-jobi</i>	FJ261955	FJ261955	FJ261955	FJ261955	FJ261955	FJ261955	FJ261955	FJ261955	M. Duvall s.n. 26May 2006 (DEK)
Panicoideae	<i>Coix lacrymajobi</i> var. <i>mayuen</i>	KM538908	KM538840	KM538871	KX372400			KM538810	ON759400	J.H.Lee 2010107 (This Study)
Panicoideae	<i>Cymbopogon caesius</i>			HQ876947		LN906676	LN908074	LN907911		MSV599
Panicoideae	<i>Cymbopogon goeringii</i>	FJ766105	FJ766246	FJ766199	KX372402	HQ599964	KM538703	HQ600385	FJ766293	YDK2008538 (This Study)
Panicoideae	<i>Cyperochloa hirsuta</i>						AY847139	AJ746288		
Panicoideae	<i>Cyrtococcum patens</i>				GQ869938	HE574048	AM849143	AM849331		G Besnard 10-2004 (G); AT&SS 984/THNHM (<i>trnL-F</i>)
Panicoideae	<i>Danthoniopsis pruinosa</i>					HE575874	HE575790	HE575839		K:G. Davidse 6506
Panicoideae	<i>Dichanthium sericeum</i>				DQ004972	HE574423	HE573541	HE573304		TCD:S.J. & T.R. Hodkinson 9412; PI 302062 RSA (<i>trnL-F</i>)
Panicoideae	<i>Digitaria exilis</i>	KJ513091	KJ513091	KJ513091	KJ513091	KJ513091	KJ513091	KJ513091	KJ513091	
Panicoideae	<i>Digitaria sanguinalis</i>	HQ599865	JQ031210	HQ600075	KX372407	HQ599961	ON759366	HQ600382	HQ600286	YDK2008522 (This Study)
Panicoideae	<i>Digitaria violascens</i>	KM538909		KM538872	KX372408					J.H.Lee 2012014 (This Study)
Panicoideae	<i>Dimeria manongarivensis</i>					LN906689	LN908087	LN907924		MSV1469
Panicoideae	<i>Dimeria ornithopoda</i>	ON745593		OP038399						J.H.Lee 2015021 (This Study)
Panicoideae	<i>Echinochloa crusgalli</i>	FJ766110	FJ766251	FJ766204	KX372409	HQ599954	ON759367	HQ600375	FJ766298	YDK2008496 (This Study)
Panicoideae	<i>Echinochloa oryzicola</i>	NC_024643	NC_024643	NC_024643	NC_024643	NC_024643	NC_024643	NC_024643	NC_024643	
Panicoideae	<i>Elionurus citreus</i>				GQ869986	HE574449	HE573560	HE573327		TCD:S.J. & T.R. Hodkinson 9561
Panicoideae	<i>Eremochloa ophiuroides</i>	HQ599873	JN634969	HQ600086	KX372422	HQ599972		HQ600393	HQ600294	YDK2009781 (This Study)
Panicoideae	<i>Eriochloa nana</i>				GU594553	HE574057	HE573498	HE573383		SI:Zuloaga s.n.
Panicoideae	<i>Eriochloa villosa</i>	HQ599876	JN634972	HQ600089	KX372423	HQ599975	KM538704	HQ600396	HQ600297	YDK2009796 (This Study)
Panicoideae	<i>Eulalia aurea</i>				DQ004982	HE574011	AM849213	AM849410		G. Besnard 16-2006 (G); PI 371930 RSA (<i>trnL-F</i>)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF-H</i>	<i>psbK-I</i>	<i>trnH-psbA</i>	<i>trnL-F</i>	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Panicoideae	<i>Eulalia speciosa</i>	KM538910	KM538841	KM538873	KX372424	KM538785		KM538811	ON759404	J.H.Lee 2012019 (This Study)
Panicoideae	<i>Garnotia fergusonii</i>					HE575876	HE575794	HE575843		K:E. Barnes, s.n.
Panicoideae	<i>Germainia truncatiglumis</i>					HE574425	HE573543	HE573317		TCD:S.J. & T.R. Hodkinson 9420
Panicoideae	<i>Gynerium sagittatum</i>				KP879106	HE586080	AY847120	U31105		C. Snak, A.R. Barbosa, C.R. Smiderle & D.R. Snak 914 (<i>trnL-F</i>); K:N. Barker, s.n. (<i>matK</i>)
Panicoideae	<i>Hemarthria sibirica</i>	KM538911			KX372430			KM538812		J.H.Lee 2010538 (This Study)
Panicoideae	<i>Hemarthria uncinata</i>					HE574430	HE573548	HE573298		TCD:S.J. & T.R. Hodkinson 9455
Panicoideae	<i>Heteropogon contortus</i>			KR735847		LN906714	LN908112	LN907949		MSV327; A9_K1214_Heteropogon_contartus (<i>trnH-psbA</i>)
Panicoideae	<i>Homolepis glutinosa</i>					HE574058	AY029637	HE573386		SI:Zuloaga 6799
Panicoideae	<i>Homopholis belsonii</i>				GQ869952	HE574071	HE573499	HE573387		NSW:S. Jacobs 8656; SJ 9431/TCD (<i>trnL-F</i>)
Panicoideae	<i>Hylebates cordatus</i>					HE574072	JN604691	HE573389		MO:Davidse 73-2633
Panicoideae	<i>Hymenachne amplexicaulis</i>					HE574060	AM849158	AM849392		A.T. & S.S. 635 (TCD)
Panicoideae	<i>Hyparrhenia hirta</i>				DQ004986	AF164417	AM849124	AM849351		P.A. Christin 03-2005 (G); PI 516599 RSA (<i>trnL-F</i>); Kirstenbosch Gardens/N. Barker 1134 (<i>matK</i>)
Panicoideae	<i>Ichnanthus panicoides</i>				KP879134	HE574062	AM849159	AM849362		M Gonzalez 03-2005 (G); R.P. Oliveira, S.H.N. Monteiro, J. Carvalho-Sobrinho & J. Cardoso 1857 (<i>trnL-F</i>)
Panicoideae	<i>Imperata cylindrica</i>	FJ766118	FJ766259	FJ766212	KX372434	HQ599950	ON759374	HQ600371	FJ766306	YDK2008485 (This Study)
Panicoideae	<i>Ischaemum afrum</i>					FR821325	FR821359	FR821341		BRU:S.H. Taylor 13
Panicoideae	<i>Ischaemum antheboroides</i>	FJ766119	FJ766260	FJ766213	KX372437	HQ599952	KM538705	HQ600373	FJ766307	YDK2008489 (This Study)
Panicoideae	<i>Ischaemum aristatum</i>	HQ599884	JN634980	HQ600097	KX372438	HQ599983	ON759376	HQ600404	HQ600305	YDK2009850 (This Study)
Panicoideae	<i>Iseilema macratherum</i>					HE574409	HE573527	HE573294		TCD:S.J. & T.R. Hodkinson 9328
Panicoideae	<i>Lasiacis nigra</i>					HE575879	HE575803	HE575852		TCD:T.R. Hodkinson 561
Panicoideae	<i>Lophatherum gracile</i>	ON745597		OP038401	KX372444				ON759408	J.H.Lee 2015022 (This Study)
Panicoideae	<i>Lophatherum sinensis</i>	ON745598	KM538837	KM538867	KX372445	ON745579		KM538806	ON759409	J.H.Lee 2010462 (This Study)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF</i> -H	<i>psbK</i> -I	<i>trnH-psbA</i>	<i>trnL</i> -F	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Panicoideae	<i>Loudetia annua</i>					HE573999	HE573487	HE573394		G:J.E. Madsen 5871
Panicoideae	<i>Louisiella fluitans</i>					HE574073	KF938889	HE573395		MO:Fay 6160; Raynal 12822 (<i>ndhF</i>)
Panicoideae	<i>Megaloprotachne albescens</i>					HE574078	JN604694	HE573396		MO:Hansen 3382
Panicoideae	<i>Megastachya mucronata</i>					HE586085	HE577872	HE577862		K:M. Chase 36798
Panicoideae	<i>Melinis repens</i>			KR735574	KP879139	HE574080	KP878958	HE573397		C. Silva, A.R. Barbosa, C. Snak & J.G. Rando 626; E12_K1207_Rhynchelytrum_repens (<i>trnH-psbA</i>); G:P.Rondeau 06-2005 (<i>matK</i> , <i>rbcL</i>)
Panicoideae	<i>Mesosetum comatum</i>					HE574082	HE573501	HE573399		SI:Zuloaga 6815
Panicoideae	<i>Microstegium japonicum</i>	ON745595		OP038398	KX372448					J.H.Lee 2015023 (This Study)
Panicoideae	<i>Microstegium vimineum</i>	HQ599886	JN634982	HQ600099	KX372449	HQ599985		HQ600406	HQ600307	YDK2009857 (This Study)
Panicoideae	<i>Miscanthus oligostachyus</i>			OP038397	KX372451					HHU2012-0679 (This Study)
Panicoideae	<i>Miscanthus sacchariflorus</i>	ON745594	ON745586	OP038396	KX372452	ON745580		ON745575	ON759410	J.H.Lee 2012013 (This Study)
Panicoideae	<i>Miscanthus sinensis</i>	HQ599894	JN634989	HQ600094		HQ599993		HQ600414	HQ600315	YDK2009819 (This Study)
Panicoideae	<i>Neurachne tenuifolia</i>				HE971154	HE859980	HE860005	X55827		DNA:D0196363
Panicoideae	<i>Oplismenus burmannii</i>	HQ599868	JN634964	HQ600081		HQ599967	KM538706	HQ600388	HQ600289	YDK2009747 (This Study)
Panicoideae	<i>Oplismenus hirtellus</i>			KP643591	KP879146	LN906741	LN908139	LN907976		RCH42; SCBI-SIGEO_13_0246 (<i>trnH-psbA</i>); C. Silva & N.M. Correa 351 (<i>trnL-F</i>)
Panicoideae	<i>Oplismenus undulatifolius</i>	HQ599889	JQ031211	HQ600102	KX372456	HQ599988	ON759381	HQ600409	HQ600310	YDK2008539 (This Study)
Panicoideae	<i>Orthoclada laxa</i>				KP879101	AF164416		AM887874		C. Silva, L. Olenski & J.L. Paixao 939 (<i>trnL-F</i>); Missouri Botanical Garden 930596/K. Hilu 0004 (VPI) (<i>matK</i>); T.R. Hodkinson 522 (TCD) (<i>rbcL</i>)
Panicoideae	<i>Panicum acuminatum</i>	KM538912	KM538842	KM538875	KX372457	ON745581			ON759411	J.H.Lee 2010549 (This Study)
Panicoideae	<i>Panicum bisulcatum</i>	HQ599893	JN634988	HQ600106	KX372458	HQ599992	ON759382	HQ600413	HQ600314	YDK2009815 (This Study)
Panicoideae	<i>Panicum dichotomiflorum</i>	HQ599883	JN634979	HQ600096	KX372459	HQ599982	ON759383	HQ600403	HQ600304	YDK2009845 (This Study)
Panicoideae	<i>Panicum virgatum</i>	NC_015990	NC_015990	NC_015990	NC_015990	NC_015990	NC_015990	NC_015990	NC_015990	
Panicoideae	<i>Paractaenum novae-hollandiae</i>					HE574442	HE573567	HE573334		TCD:S.J. & T.R. Hodkinson 9607

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF</i> -H	<i>psbK</i> -I	<i>trnH-psbA</i>	<i>trnL</i> -F	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Panicoideae	<i>Paraneurachne muelleri</i>				HE971156	HE586070	HE573507	HE573424		G:Lazarides & Palmeri 068; FRI<AUST>:Edinger 1597 (<i>trnL</i> - F)
Panicoideae	<i>Paspalum conjugatum</i>					LN906758	LN908156	LN907993		MSV316
Panicoideae	<i>Paspalum dilatatum</i>	HQ599871	JN634967	HQ600084	KX372460	HQ599970	KM538707	HQ600391	HQ600292	YDK2009770 (This Study)
Panicoideae	<i>Paspalum distichum</i>	HQ599874	JN634985	HQ600103	KX372462	HQ599989	KM538708	HQ600410		YDK2009778 (This Study)
Panicoideae	<i>Paspalum thunbergii</i>	HQ599864	JQ031208	HQ600058	KX372461	HQ599944	ON759384	HQ600365	HQ600285	YDK2008441 (This Study)
Panicoideae	<i>Pennisetum alopecuroides</i>	FJ766125	FJ766266	FJ766219	KX372463	HQ599959	KM538709	HQ600380	FJ766313	YDK2008518 (This Study)
Panicoideae	<i>Pennisetum glaucum</i>	HQ599878	JN634974	HQ600091	KX372464	HQ599977	ON759385	HQ600398	HQ600299	YDK2009816 (This Study)
Panicoideae	<i>Pennisetum longissimum</i>					HE574124	AM849181	AM849356		G. Besnard 23-2004 (G)
Panicoideae	<i>Phacelurus latifolius</i>	FJ766126	FJ766267	FJ766220	KX372465	HQ599949	KM538710	HQ600370	FJ766314	YDK2008484 (This Study)
Panicoideae	<i>Plagiosetum refractum</i>					HE574445	HE573564	HE573331		TCD:S.J. & T.R. Hodkinson 9600
Panicoideae	<i>Pogonatherum paniceum</i>					HE574016	AM849183	AM849381		P Rondeau 03-2005 (G)
Panicoideae	<i>Pseudopogonatherum contortum</i>				GQ870002	HE574438	HE573556	HE573322		TCD:S.J. & T.R. Hodkinson 9537; AT&SS 953/THNHM (<i>trnL</i> -F)
Panicoideae	<i>Pseudoraphis sordida</i>	ON745596		OP038395	KX372480					J.H.Lee 2015020 (This Study)
Panicoideae	<i>Saccharum officinarum</i>				EU434103	EU434295		EF125120		Hodkinson & Renvoize 104/KEW
Panicoideae	<i>Sacciolepis indica</i>	KM538913		KM538876	KX372482	ON745582		KM538813	ON759415	J.H.Lee 2010104 (This Study)
Panicoideae	<i>Sacciolepis vilvooides</i>				EU871142	HE574134	HE573512	HE573403		Longhi Wagner H. M. et al. 9429
Panicoideae	<i>Schizachyrium scoparium</i>				DQ004995	HE586094	HE577873	HE577863		K:M. Chase 36800; Skendzic 5071 RSA (<i>trnL</i> -F)
Panicoideae	<i>Setaria chondrachne</i>	FJ766133	FJ766274	FJ766227	KX372484	HQ599951	ON759388	HQ600372	FJ766321	YDK2008486 (This Study)
Panicoideae	<i>Setaria faberi</i>	FJ766134	FJ766275	FJ766228	KX372485	HQ599958	KM538711	HQ600379	FJ766322	YDK2008516 (This Study)
Panicoideae	<i>Setaria incrassata</i>					LN906773	LN908171	LN908008		MSV1641
Panicoideae	<i>Setaria italica</i>	HQ599882	JN634978	HQ600095	KX372486	HQ599981	KM538712	HQ600402	HQ600303	YDK2009844 (This Study)
Panicoideae	<i>Setaria pumila</i>	HQ599880	JN634976	HQ600093	KX372487	HQ599979	ON759389	HQ600400	HQ600301	YDK2009823 (This Study)
Panicoideae	<i>Setaria pycnocoma</i>	FJ766132	FJ766273	FJ766226	KX372488	HQ599946	KM538715	HQ600367	FJ766320	YDK2008453 (This Study)
Panicoideae	<i>Setaria verticillata</i>	FJ766136	FJ766277	FJ766230	KX372489	HQ599945	KM538713	HQ600366	FJ766324	YDK2008445 (This Study)
Panicoideae	<i>Setaria viridis</i>	KM538914		KM538877	KX372490	KM538786	ON759390	KM538814	ON759416	YDK2008507 (This Study)
Panicoideae	<i>Sorghastrum nutans</i>				DQ005102	FR821326	FR821360	FR821342		BRU:S.H. Taylor 19; Skendzic 5065 RSA (<i>trnL</i> -F)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF</i> -H	<i>psbK</i> -I	<i>trnH-psbA</i>	<i>trnL</i> -F	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Pooideae	<i>Agropyron cristatum</i>			HQ652793	KJ744042	JX438066	JX438114	JX848483		UZ 134.07; 6A1B (<i>trnH-psbA</i>); Alt 11-377 (<i>trnL</i> -F); ALTA:095997 (<i>rbcL</i>)
Pooideae	<i>Agrostis clavata</i>	FJ766097	FJ766238	FJ766191	KX372378	HQ600045	ON759358	HQ600466	FJ766285	YDK2008494 (This Study)
Pooideae	<i>Agrostis scabra</i>	HQ599939	JN635033	HQ600167	KX372376	HQ600053	KM538726	HQ600474	HQ600360	YDK2009763 (This Study)
Pooideae	<i>Agrostis stolonifera</i>	NC_008591	NC_008591	NC_008591	NC_008591	NC_008591	NC_008591	NC_008591	NC_008591	Clemson University Genomics Institute
Pooideae	<i>Agrostis vinealis</i>	KM538920	KM538848	OP038400	KX372379		ON759359		ON759394	YDK2008462 (This Study)
Pooideae	<i>Aira caryophyllea</i>	HQ599929	JN635023	HQ600153		HQ600039		HQ600460	HQ600350	J.H.Lee 2010068 (This Study)
Pooideae	<i>Aira praecox</i>				EF137588	AM234540		AJ746255		M.C.Sheahan004 K
Pooideae	<i>Alopecurus aequalis</i>	HQ599934	JN635028	HQ600162	KX372380	KM538789	KM538727	HQ600469	HQ600355	YDK2009613 (This Study)
Pooideae	<i>Alopecurus myosuroides</i>					FN908046	HE575735	FN870382		BM:H. Schaefer 2008/337
Pooideae	<i>Alopecurus pratensis</i>	FJ766099	FJ766240	FJ766193	KX372381	HQ600044	KM538728	HQ600465	FJ766287	YDK2008488 (This Study)
Pooideae	<i>Ampelodesmos mauritanicus</i>	KM974731	KM974731		KM974731	KM974731	KM974731	KM974731	KM974731	B:Royle & Schiers s.n.
Pooideae	<i>Amphibromus scabrivalvis</i>				EU395885	DQ786882	DQ786810			US:collector number S7015
Pooideae	<i>Anisopogon avenaceus</i>			GU254823	GU254946	HE574413	HE573531	HE573296	JF698108	TCD:S.J. & T.R. Hodkinson 9370; Soreng 5905 (US) (<i>trnH-psbA</i> , <i>trnL</i> -F, <i>rps3</i>)
Pooideae	<i>Anthoxanthum odoratum</i>	KM974732	KM974732	KM974732	KM974732	KM974732	KM974732	KM974732	KM974732	CAN:Saarela 500
Pooideae	<i>Anthoxanthum odoratum</i>	ON745590		OP038405	KX372382					ParkSH90558 (This Study)
Pooideae	<i>Arrhenatherum elatius</i>	ON745588		OP038406	KX372383				ON759395	Jangsu-gun(Seongsusan)-40522-300 (This Study)
Pooideae	<i>Australopyrum pectinatum</i>					HM770815	DQ247877	AY836158		H6771
Pooideae	<i>Avena fatua</i>	HQ599903	JN634997	HQ600127	KX372386	HQ600013	KM538730	HQ600434	HQ600324	YDK2009275 (This Study)
Pooideae	<i>Avena sativa</i>	KM538921		KM538882	KX372387	KM538790	ON759361	KM538819	ON759396	J.H.Lee 2010028 (This Study)
Pooideae	<i>Beckmannia syzigachne</i>	FJ766103	FJ766244	FJ766197	KX372377	HQ600043	KM538731	HQ600464	FJ766291	YDK2008468 (This Study)
Pooideae	<i>Brachyelytrum aristosum</i>	KM974735	KM974735	KM974735	KM974735	KM974735	KM974735	KM974735	KM974735	BH:J.I. Davis 777
Pooideae	<i>Brachyelytrum japonicum</i>	HQ599923	JN635017	HQ600147	KX372388	HQ600033	KM538732	HQ600454	HQ600344	YDK2009784 (This Study)
Pooideae	<i>Brachypodium distachyon</i>	NC_011032	NC_011032	NC_011032	NC_011032	NC_011032	NC_011032	NC_011032	NC_011032	
Pooideae	<i>Brachypodium sylvaticum</i>	ON745591		OP038407	KX372389				ON759397	ParkSH113717 (This Study)
Pooideae	<i>Briza maxima</i>	KM974736	KM974736		KM974736	KM974736	KM974736	KM974736	KM974736	CAN:Saarela 284

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF-H</i>	<i>psbK-I</i>	<i>trnH-psbA</i>	<i>trnL-F</i>	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Pooideae	<i>Briza minor</i>	HQ599930	JN635024	HQ600154		HQ600040	KM538733	HQ600461	HQ600351	J.H.Lee 2010069 (This Study)
Pooideae	<i>Bromus carinatus</i>	HQ599926	JN635020	HQ600150	KX372390	HQ600036	KM538734	HQ600457	HQ600347	J.H.Lee 2010034 (This Study)
Pooideae	<i>Bromus catharticus</i>	HQ599905	JN634999	HQ600129	KX372391	HQ600015	KM538735	HQ600436	HQ600326	YDK2009495 (This Study)
Pooideae	<i>Bromus japonicus</i>	HQ599914	JN635008	HQ600138	KX372392	HQ600024	ON759362	HQ600445	HQ600335	YDK2009612 (This Study)
Pooideae	<i>Bromus pumilio</i>					LN554424	HE575764	HE575813		HAL 22065 (no voucher)
Pooideae	<i>Bromus remotiflorus</i>	FJ766104	FJ766245	FJ766198	KX372393	KM538791	ON759363	HQ600425	FJ766292	YDK2008452 (This Study)
Pooideae	<i>Bromus rigidus</i>	HQ599904	JN634998	HQ600128	KX372394	HQ600014	KM538736	HQ600435	HQ600325	YDK2009474 (This Study)
Pooideae	<i>Bromus tectorum</i>	HQ599910	JN635004	HQ600134	KX372395	HQ600020		HQ600441	HQ600331	YDK2009582 (This Study)
Pooideae	<i>Bromus vulgaris</i>	KM974737	KM974737	KM974737	KM974737	KM974737	KM974737	KM974737	KM974737	CAN:Saarela 822
Pooideae	<i>Brylkinia caudata</i>				GU254957	FM253121	GU222750			Ping s.n. (US)
Pooideae	<i>Calamagrostis arundinacea</i>	HQ599940	JN635034	HQ600168	KX372396	HQ600054	KM538737	HQ600475	HQ600361	YDK2009803 (This Study)
Pooideae	<i>Calamagrostis canadensis</i>				FJ394558	DQ786896	DQ786824			R. J. Soreng and N. L. Soreng 7414 (US)
Pooideae	<i>Calamagrostis epigeios</i>	HQ599938	JN635032	HQ600166	KX372397	HQ600052	KM538738	HQ600473	HQ600359	YDK2009751 (This Study)
Pooideae	<i>Catabrosa aquatica</i>				DQ631429	AM234589	DQ786826	KM360700		
Pooideae	<i>Chascolytrum subaristatum</i>					AM234608	DQ786827	KJ599180		Barker 19 (MEL 2269757A)
Pooideae	<i>Cinna latifolia</i>	KM538922	KM538849	KM538883		KM538792	ON759364	KM538820	KM407623	YDK2008456 (This Study)
Pooideae	<i>Cynosurus cristatus</i>				EF137599	DQ786901	DQ786829	EF125151		Hodkinson14 TCD
Pooideae	<i>Dactylis glomerata</i>	HQ599906	JN635000	HQ600130	KX372403	HQ600016	KM538739	HQ600437	HQ600327	YDK2009500 (This Study)
Pooideae	<i>Darrhena japonica</i>	ON745589		OP038404					ON759402	YDK2008535 (This Study)
Pooideae	<i>Deschampsia antarctica</i>	KF887484	KF887484	KF887484	KF887484	KF887484	KF887484	KF887484	KF887484	
Pooideae	<i>Deschampsia cespitosa</i>	FJ766106	FJ766247	FJ766200	KX372404	HQ600008	KM538740	HQ600429	FJ766294	ParkSH51740 (This Study)
Pooideae	<i>Diarrhena fairie</i>	FJ766107	FJ766248	FJ766201	KX372405	HQ600010	KM538741	HQ600431	FJ766295	YDK2008492 (This Study)
Pooideae	<i>Diarrhena mandshurica</i>	HQ599921	JN635015	HQ600145	KX372406	HQ600031	KM538742	HQ600452	HQ600342	YDK2009767 (This Study)
Pooideae	<i>Diarrhena obovata</i>	KM974739	KM974739	KM974739	KM974739	KM974739	KM974739	KM974739	KM974739	BH:J.I. Davis 756
Pooideae	<i>Dichelachne crinita</i>					HE574411	HE573529	HE573309		TCD:S.J. & T.R. Hodkinson 9367
Pooideae	<i>Echinopogon ovatus</i>				EU119356	HE574419	HE573533	HE573312		TCD:S.J. & T.R. Hodkinson 9387
Pooideae	<i>Elymus ciliaris</i>	HQ599916	JN635010	HQ600140	KX372411	HQ600026	KM538743	HQ600447	HQ600337	YDK2009615 (This Study)
Pooideae	<i>Elymus dahuricus</i>	HQ599941	KM538850	HQ600169	KX372412	HQ600055	KM538744	HQ600476	HQ600362	YDK2009723 (This Study)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF-H</i>	<i>psbK-I</i>	<i>trnH-psbA</i>	<i>trnL-F</i>	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Pooideae	<i>Elymus kamoji</i>	FJ766096	FJ766237	FJ766190	KX372413	HQ600006	KM538745	HQ600427	FJ766284	YDK2008470 (This Study)
Pooideae	<i>Elymus nipponicus</i>	KM538923	ON745585	KM538884	KX372414	ON745576	KM538746		ON759403	YDK2009590 (This Study)
Pooideae	<i>Elymus repens</i>	HQ599922	JN635016	HQ600146	KX372415	HQ600032	KM538747	HQ600453	HQ600343	YDK2009768 (This Study)
Pooideae	<i>Eremopyrum orientale</i>				AF519151	KM487282		FJ346562		
Pooideae	<i>Festuca extremiorientalis</i>	FJ766117	FJ766258	HQ600121	KX372425	HQ600007	ON759372	HQ600428	FJ766305	YDK2008479 (This Study)
Pooideae	<i>Festuca ovina</i>	FJ766116	FJ766257	FJ766210	KX372426	HQ600003	KM538748	HQ600423	FJ766304	YDK2008440 (This Study)
Pooideae	<i>Festuca parvigluma</i>	KM538924	KM538851	KM538885	KX372427	KM538793	ON759373	KM538821	KM407624	YDK2009339 (This Study)
Pooideae	<i>Festuca rubra</i>	KM538925	KM538852	KM538886	KX372428	KM538794	KM538749	ON745574	KM407625	YDK2009485 (This Study)
Pooideae	<i>Gaudinia coarctata</i>					FN908057	HE575741	FN870393		BM<GBR-LONDON>;H. Schaefer 2008/59
Pooideae	<i>Glyceria leptolepis</i>	KM538926	KM538853	KM538887	KX372429	KM538795	KM538750	KM538822	KM407622	YDK2009837 (This Study)
Pooideae	<i>Glyceria obtusa</i>					HF558505	HF558471			BRU:Christin 143
Pooideae	<i>Henrardia persica</i>			KJ146064		HM770824	DQ247885	AY836167		H5556; PI401349 (<i>trnH-psbA</i>)
Pooideae	<i>Hesperostipa comata</i>				GU192000		GU222744	JX848499	JF698130	s.n. 7431 (SI) (<i>trnL-F</i>); ALTA:112468 (<i>rbcL</i>); Saarela 595, Sears & Maze (UBC) (<i>rps3</i>)
Pooideae	<i>Hierochloe odorata</i>	HQ599908	JN635002	HQ600132	KX372431	HQ600018	KM538751	HQ600439	HQ600329	YDK2009577 (This Study)
Pooideae	<i>Holcus annuus</i>					DQ786921	DQ786849			
Pooideae	<i>Holcus lanatus</i>	HQ599924	JN635018	HQ600148	KX372432	HQ600034	KM538752	HQ600455	HQ600345	YDK2009790 (This Study)
Pooideae	<i>Hordeum jubatum</i>	KM974741	KM974741	KM974741	KM974741	KM974741	KM974741	KM974741	KM974741	CAN:Saarela 18478
Pooideae	<i>Hordeum pusillum</i>	HQ599928	JN635022	HQ600152		HQ600038	KM538753	HQ600459	HQ600349	J.H.Lee 2010065 (This Study)
Pooideae	<i>Hordeum vulgare</i>	HQ599901	JN634995	HQ600125	KX372433	HQ600011	KM538754	HQ600432	HQ600322	YDK2009158 (This Study)
Pooideae	<i>Hystrich duthiei</i>	HQ599942	JN635036	HQ600170		HQ600056	KM538755	HQ600477	HQ600363	YDK2009765 (This Study)
Pooideae	<i>Koeleria castellana</i>			KJ529155		KJ529337	KJ529445			UZ 16.07
Pooideae	<i>Koeleria macrantha</i>	KM538927	KM538854	KM538888	KX372439	KM538796	KM538756	KM538823	KM407620	YDK2009619 (This Study)
Pooideae	<i>Lachnagrostis filiformis</i>					HE574415	HE573534	HE573287		TCD:S.J. & T.R. Hodkinson 9374
Pooideae	<i>Lagurus ovatus</i>				EF137608	FN908059	HE575743	FN870395		BM<GBR-LONDON>;H. Schaefer 2008/80; Hodkinson6 TCD (<i>trnL-F</i>)
Pooideae	<i>Lamarckia aurea</i>			KJ529187	AF533029	JX438085	JX438140	AJ784834		UZ 36.07; K:1997-5606 HOEP (<i>rbcL</i>)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF-H</i>	<i>psbK-I</i>	<i>trnH-psbA</i>	<i>trnL-F</i>	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Pooideae	<i>Leymus angustus</i>			KJ017901	EF581909	AF164404		EU636660		PI531797 (<i>trnH-psbA</i>); Western Regional Plant Introduction Station (WRPIS), USA (<i>trnL-F</i>); USDA-NPGS PI 547357/K. Hilu 5574 (VPI) (<i>matK</i>); Z2215 (<i>rbcL</i>)
Pooideae	<i>Leymus mollis</i>	KM538928	KM538855	KM538889	KX372442	ON745577	ON759377		ON759407	J.H.Lee 2010073 (This Study)
Pooideae	<i>Littledalea tibetica</i>					LN554441	DQ786852			Soreng et al. S487-90-94 (US)
Pooideae	<i>Lolium arundinaceum</i>	KM974751	KM974751	KM974751	KM974751	KM974751	KM974751	KM974751	KM974751	CAN:Saarela 331
Pooideae	<i>Lolium multiflorum</i>	HQ599918	KM538856	HQ600142	KX372443	HQ600028	KM538757	HQ600449	HQ600339	YDK2009620 (This Study)
Pooideae	<i>Lolium perenne</i>	FJ766122	FJ766263	FJ766216		ON745584	ON759378	HQ600426	FJ766310	YDK2008460 (This Study)
Pooideae	<i>Lolium temulentum</i>	KM538929		KM538890			KM538758	KM538824	KM407626	J.H.Lee 2010029 (This Study)
Pooideae	<i>Lygeum spartum</i>				EU434098	EU434290	AF251445	EF125146		Hodkinson 18/TCD
Pooideae	<i>Melica mutica</i>	KM974742	KM974742	KM974742	KM974742	KM974742	KM974742	KM974742	KM974742	US:W.J. Kress & M. Butts 04-7461
Pooideae	<i>Melica nutans</i>	HQ599913	JN635007	HQ600137	KX372446	HQ600023	KM538759	HQ600444	HQ600334	YDK2009594 (This Study)
Pooideae	<i>Melica onoei</i>	HQ599925	JN635019	HQ600149		HQ600035	ON759379	HQ600456	HQ600346	YDK2009818 (This Study)
Pooideae	<i>Melica scabrosa</i>	HQ599911	JN635005	HQ600135	KX372447	HQ600021	KM538760	HQ600442	HQ600332	YDK2009585 (This Study)
Pooideae	<i>Mibora minima</i>				DQ631454	FR694894	DQ786855	FN870871		TCD:Parnell 9, Kelly 3
Pooideae	<i>Milium effusum</i>	HQ599933	JN635027	HQ600161	KX372450	HQ600047	KM538761	HQ600468	HQ600354	YDK2009573 (This Study)
Pooideae	<i>Milium vernale</i>					DQ786928	DQ786856			
Pooideae	<i>Nardus stricta</i>			KJ529119	EU434097	EU434289		AY622895		Hodkinson & Curran 5/TCD; UZ 229.07 (<i>trnH-psbA</i>); Berlin Botanic Garden, Royle and Schiers s. n. (B) (<i>rbcL</i>)
Pooideae	<i>Nassella viridula</i>					HE573935	HE573457	HE573400		
Pooideae	<i>Parapholis filiformis</i>			KJ529183	KJ529415	KJ529365	KJ529467			UZ 326.07
Pooideae	<i>Parapholis incurve</i>	HQ599931	JN635025	HQ600155		HQ600041		HQ600462	HQ600352	J.H.Lee 2010070 (This Study)
Pooideae	<i>Phaenosperma globosa</i>	FJ766124	FJ766265	FJ766218	KX372466	HQ600004	KM538762	HQ600424	FJ766312	YDK2008444 (This Study)
Pooideae	<i>Phalaris arundinacea</i>	HQ599915	JN635009	HQ600139	KX372467	HQ600025	KM538763	HQ600446	HQ600336	YDK2009614 (This Study)
Pooideae	<i>Phleum alpinum</i>	KM538930	KM538857	KM538891						J.H.Lee 2012001 (This Study)
Pooideae	<i>Phleum pratense</i>	HQ599937	JN635031	HQ600165	KX372468	HQ600051	KM538764	HQ600472	HQ600358	YDK2009743 (This Study)
Pooideae	<i>Phleum rhaeticum</i>					LN554448		KF602220		Roeser 11023 (HAL)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF-H</i>	<i>psbK-I</i>	<i>trnH-psbA</i>	<i>trnL-F</i>	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Pooideae	<i>Piptatherum miliaceum</i>				GU254960	FN908067	HE575746	FN870403		BM<GBR-LONDON>;H. Schaefer 2008/640; Gillett 16094 (US) (<i>trnL-F</i>)
Pooideae	<i>Poa acroleuca</i>	HQ599912	JN635006	HQ600136	KX372473	HQ600022	KM538765	HQ600443	HQ600333	YDK2009587 (This Study)
Pooideae	<i>Poa angustifolia</i>	HQ599902	JN634996	HQ600126	KX372474	HQ600012	KM538766	HQ600433	HQ600323	YDK2009159 (This Study)
Pooideae	<i>Poa hisauchii</i>	HQ599909	JN635003	HQ600133	KX372475	HQ600019	KM538767	HQ600440	HQ600330	YDK2009579 (This Study)
Pooideae	<i>Poa matsumurae</i>	KM538931	KM538858	KM538892	KX372476	KM538797	KM538768	KM538825	KM407627	YDK2009740 (This Study)
Pooideae	<i>Poa nemoralis</i>	KM538932		KM538893					ON759414	YDK2009467 (This Study)
Pooideae	<i>Poa palustris</i>	KM974749	KM974749	KM974749	KM974749	KM974749	KM974749	KM974749	KM974749	CAN:Saarela 1080
Pooideae	<i>Poa pratensis</i>	HQ599907	JN635001	HQ600131	KX372477	HQ600017	KM538769	KM538826	HQ600328	YDK2009574 (This Study)
Pooideae	<i>Poa versicolor</i>	HQ599917	JN635011	HQ600141	KX372478	HQ600027	KM538770	KM538827	HQ600338	YDK2009616 (This Study)
Pooideae	<i>Polypogon fugax</i>	HQ599932	JN635026	HQ600160	KX372479	HQ600046	KM538771	HQ600467	HQ600353	YDK2009160 (This Study)
Pooideae	<i>Polypogon monspeliensis</i>					DQ146823	DQ786865	KF713057		USNH305585; HCCN-PJ008548-PB-394 (<i>rbcL</i>)
Pooideae	<i>Psathyrostachys juncea</i>				EF581911	HM540022	AF267707	AY607050		H7544
Pooideae	<i>Psilurus incurvus</i>			KJ529219	AF478533	HE646587	JX438159	EF125155		UZ 31.07; Chase19530 K (<i>rbcL</i>)
Pooideae	<i>Puccinellia chinampoensis</i>	KM538933		KM538894	KX372481	KM538798	ON759387	KM538828	KM407628	J.H.Lee 2010076 (This Study)
Pooideae	<i>Puccinellia nuttalliana</i>	KM974750	KM974750	KM974750	KM974750	KM974750	KM974750	KM974750	KM974750	
Pooideae	<i>Rostraria azorica</i>					FN908070	HE575748	FN870406		BM<GBR-LONDON>;H. Schaefer 2008/644
Pooideae	<i>Schizachne purpurascens</i>			HQ596837	KF977446	FM253126	GU222748	HQ590262		AP105
Pooideae	<i>Sclerochloa dura</i>				AF533023	AM234587	DQ786869	KJ599164		
Pooideae	<i>Secale cereale</i>	HQ599927	JN635021	HQ600151		HQ600037	KM538772	HQ600458	HQ600348	J.H.Lee 2010044 (This Study)
Pooideae	<i>Sesleria caerulea</i>				EF137617	DQ786942	DQ786870	EF125156		Hodkinson45 TCD
Pooideae	<i>Sinochasea trigyna</i>					FR694885	GU222735			
Pooideae	<i>Stipa hymenoides</i>	KM974729	KM974729	KM974729	KM974729	KM974729	KM974729	KM974729	KM974729	CAN:Saarela 725
Pooideae	<i>Taeniatherum caput-medusae</i>			KJ146066		KC123432	U71024	EF125164		Chase 19532 (K); PI220591 (<i>trnH-psbA</i>)
Pooideae	<i>Torreyochloa pallida</i>	KM974752	KM974752	KM974752	KM974752	KM974752	KM974752	KM974752	KM974752	CAN:Saarela 1110
Pooideae	<i>Trikeria pappiformis</i>				GU254954	FR694891	GU222747			Soreng 5653 (US)
Pooideae	<i>Trisetum bifidum</i>	HQ599920	JN635014	HQ600144	KX372499	HQ600030	KM538774	HQ600451	HQ600341	YDK2009739 (This Study)

Appendix 1. Continued.

Subfamily	Taxon	<i>atpF-H</i>	<i>psbK-I</i>	<i>trnH-psbA</i>	<i>trnL-F</i>	<i>matK</i>	<i>ndhF</i>	<i>rbcL</i>	<i>rps3</i>	Voucher
Pooideae	<i>Trisetum cernuum</i>	NC_027487	NC_027487	NC_027487	NC_027487	NC_027487	NC_027487	NC_027487	NC_027487	CAN:Saarela 876
Pooideae	<i>Trisetum sibiricum</i>	KM538936	KM538861	KM538897	KX372500	KM538800	KM538775	KM538835	KM407621	YDK2008436 (This Study)
Pooideae	<i>Triticum aestivum</i>	NC_002762	NC_002762	NC_002762	NC_002762	NC_002762	NC_002762	NC_002762	NC_002762	
Pooideae	<i>Vulpia myuros</i>	HQ599919	JN635013	HQ600143	KX372501	HQ600029	KM538776	HQ600450	HQ600340	YDK2009725 (This Study)
Puelioideae	<i>Guaduella marantifolia</i>					KC123409		KC123368		J.P.N. Brenan 9441a (K)
Puelioideae	<i>Puelia olyrififormis</i>	KC534841	KC534841	KC534841	KC534841	KC534841	KC534841	KC534841	KC534841	MO:Clayton 1060
Out group	<i>Ecdeiocolea monostachya</i>				AF148734	HQ180863	HQ181111	HQ182426	HQ183035	KRT3786; AF148734 (<i>trnL-F</i>)
Out group	<i>Elegia fenestrata</i>				AY881581	AY881508	AF547016	AY881435		Linder, Hardy, and Moline 7321
Out group	<i>Flagellaria indica</i>			KM087908	GQ409011	DQ257515		DQ307445	HQ183037	NSW:615132; PW8 (Z, SUVA) (<i>trnH-psbA</i>)
Out group	<i>Joinvillea ascendens</i>					HQ180870	HQ181117	HQ182433	HQ183043	NTBG ACC. # 800379 / HERBARIUM VOUCHER Lorence 9066
Out group	<i>Joinvillea plicata</i>				GQ409012	DQ257535		DQ307447	FJ486259	NSW:612730; L. Thien 84, NO. (<i>rps3</i>)
Out group	<i>Restio perplexus</i>				AY881615	AY881542		AY881469		Linder, Hardy, and Moline 7434
Out group	<i>Thamnochortus insignis</i>				AY690811	AY690736	HQ181136	AY690773		Linder, Hardy, and Moline 7394; T. J. Givnish UW-8-2009-3(<i>ndhF</i>)