

Additional file 3

Species	Voucher or Accession	GenBank Accession	Reference
<i>Arundinella deppeana</i> Nees ex Steud.	XAL:Clark et al. 1680	KU291490.1	Burke et al. 2016
<i>Arthraxon prionodes</i> (Steud.) Dandy	PI<ITA>:659331	KU291471.1	Burke et al. 2016
<i>Chrysopogon serrulatus</i> Trin.		KU961864.1	Welker et al. 2016
<i>Eriochrysis laxa</i> Swallen		KU961863.1	Welker et al. 2016
<i>Eriochrysis villosa</i> Swallen		KU961860.1	Welker et al. 2016
<i>Saccharum spontaneum</i> L.	SES205A	LN896360.1	Lloyd Evans and Joshi 2016
<i>Saccharum spontaneum</i> L.	SES234B	LN849912.1	Lloyd Evans, D. (submitter)
<i>Saccharum</i> hybrid cultivar hort. Ex RM Grey	Q165	LN896359.1	Lloyd Evans and Joshi 2016
<i>Saccharum</i> hybrid cultivar hort. Ex RM Grey	SP80-3280	AE009947.2	Calsa Jr et al. 2004
<i>Saccharum</i> hybrid cultivar hort. Ex RM Grey	NCo310	AP006714.1	Asano et al. 2004
<i>Saccharum officinarum</i> L.	IJ76-514	LN849913.1	Lloyd Evans and Joshi 2016
<i>Miscanthidium junceum</i> Stapf (Stapf)		LN869216.1	Lloyd Evans, D. (submitter)
<i>Miscanthidium capense</i> (Nees) Stapf	Joshi 1	???????	Lloyd Evans, D. (submitter)
<i>Miscanthus sacchariflorus</i> (Maxim.) Benth. & Hook. f. ex Franch.	cv Hercules	LN869218.1	Lloyd Evans, D. (submitter)
<i>Miscanthus sinensis</i> Andersson	cv Andante	ERS2073004	Lloyd Evans, D. (submitter)
<i>Miscanthus floridulus</i> (Labill.) Warb. Ex K Schum. & Lauterb.	PI295762	LN869215.1	Lloyd Evans, D. (submitter)
<i>Sarga timorensis</i> Lloyd Evans		KF998272.1	Kepers et al. (submitter)
<i>Sorghum bicolor</i> (L.) Moench	BTx623	EF115542.1	Saski et al. 2007
<i>Imperata cylindrical</i> (L.) Raeusch.	DEK:Burke 21	KU291466.1	Burke et al. 2016
<i>Pogonatherum paniceum</i> (Lam.) Hack.		KU961859.1	Welker et al. 2016
<i>Eulalia aurea</i> (Bory) Knuth	PI<ITA>:12153	KU291499.1	Burke et al. 2016
<i>Sorghastrum nutans</i> (L.) Nash	DEK:Wysocki s.n.	KU291482.1	Burke et al. 2016
<i>Hyparrhenia subplumosa</i> Stapf	PI<ITA>:12665	KU291500.1	Burke et al. 2016
<i>Diheteropogon amplexans</i> Nees (Clayton)	var. catangensis voucher PI<ITA>:12585	KU291497.1	Burke et al. 2016
<i>Themeda</i> sp. Forssk.	Saarela 1833	KU291484.1	Burke et al. 2016
<i>Iseilema macrathrum</i> Domin	PI<ITA>:257760	KU291468.1	Burke et al. 2016
<i>Capillipedium venustum</i> (Thwaites) Bor	PI<ITA>:11713	KU291493.1	Burke et al. 2016
<i>Bothriochloa alta</i> (Hitchc.) Henrard	DEK:Duvall s.n.	KU291492.1	Burke et al. 2016
<i>Tripidium arundinaceum</i> Lloyd Evans	JW630	LC160130.1	Tsuruta et al. 2016
<i>Ischaemum afrum</i> (JF Gmel.) Dandy	PI<ITA>:364924	KU291467.1	Burke et al. 2016
<i>Rottboellia cochinchinensis</i> (Lour.) Clayton	ISC<USA-IA>:Clark et al. 1698 M. Duvall s.n. 26May 2006 (DEK)	KU291481.1	Burke et al. 2016
<i>Coix lacryma-jobi</i> L.		FJ261955.1	Leseberg and Duvall 2009

<i>Dimeria ornithopoda</i> Trin.		KY596130.1	Arthan et al. 2017
<i>Eulaliopsis binate</i> (Retz.) CE Hubb.		KY596182.1	Arthan et al. 2017
<i>Heteropogon triticeus</i> (R. Br.) Stapf ex Craib		KY596142.1	Arthan et al. 2017
<i>Andropogon distachyos</i> L.		KY596170.1	Arthan et al. 2017
<i>Schizachyrium sanguineum</i> (Retz.) Alston		KY596124.1	Arthan et al. 2017
<i>Hemisorghum mekongense</i> (A. Camus) CE Hubb.		KY596132.1	Arthan et al. 2017
<i>Eremochloa ciliaris</i> (L.) Merr.		KY596146.1	Arthan et al. 2017
<i>Mnesithea helferi</i> (Hook. f.) de Koning & Sosef		KY596162.1	Arthan et al. 2017
<i>Sorghum propinquum</i> (Knuth) Hitch.	369-1	?????	Lloyd Evans, D. (submitter)
<i>Zea mays</i> L.	B73	AY928077.1	Schnable et al. 2009
<i>Zea luxurians</i> (Durieu & Asch.) RM Bird		KR873424.1	Orton 2015

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Note to reviewers, accessions with ???? have been submitted to ENA and have been validated, but we do not yet have accessions. These will be updated in the next version of the manuscript.