

Appendix S1. Table of all newly sequenced transcriptomes. Newly sequenced taxa used for the analyses, number of sequences, RNA extraction method, method of sequencing, collection information and voucher.

Identifier for study	Family	Genus	Specific epithet	Species author	Collection or accession # (Herbarium)	Country	State	County/Municipio	Collection locality	Field or cultivated?	Notes regarding Tissue Type	RNA extraction	Library prep	Sequencer used	Read length	# of Read Pairs	Sequence Run	Assembly Method	Translation method	SRA Accession
MJM2704	Achatocarpaceae	<i>Achatocarpus</i>	<i>gracilis</i>	H.Walter	Michael J. Moore et al. 2704 (OC)	Mexico	Jalisco	La Huerta	Estacion Biologica Chamela, along Sendero Perico.	field	Young Leaf	6/2/2016 YY Purelink	7/13/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 Paired End (PE)	27,672,634	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284110
MJM669	Agdestidaceae	<i>Agdestis</i>	<i>clamatida</i>	Moc. & Seud ex DC.	Michael J. Moore et al. 2669 (OC)	Mexico	Veracruz	San Andres Tuxtla	In thicket immediately adjacent to road in Montepio.	field	Young Leaf	11/12/2011 YY Purelink	5/9/2016 YY KAPA stranded	11 per lane HiSeq4000	150 PE	36,368,223	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284111
MJM2478	Amaranthaceae	<i>Ivesia</i>	<i>arbuscula</i>	Uline & W.L.Brady	Michael J. Moore et al. 2678 (OC)	Mexico	Veracruz	San Andres Tuxtla	Estacion Biologica Los Tuxtlas, along stream bed approx 100 m upstream of path.	field	Young Leaf and Flower Bud	6/1/2016 Sonia YY Purelink	6/8/2016 Sonia YY KAPA stranded 85C 6min frag	10 per lane HiSeq2500V4	125 PE	31,517,974	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284112
MJM2943	Amaranthaceae	<i>Ivesia</i>	<i>rhizomata</i>	Standl.	Michael J. Moore & J. Lee 2943 (OC)	N/A	N/A	N/A	Missouri Botanical Garden, cultivated outside	cultivated	Young Leaf	5/25/2016 YY Sonia Purelink	6/8/2016 Sonia YY KAPA stranded 85C 6min frag	10 per lane HiSeq2500V4	125 PE	29,498,922	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284113
NequaSF B	Amaranthaceae	<i>Nelisa</i>	<i>quadrangula</i>	(Engl.) Schinz	Millemium Seed Bank accession 0468510	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	Cambridge Jan 2016	6/16/2016 YY Sonia KAPA stranded 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	29,549,299	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284114
MJM2342	Amaranthaceae	<i>Nitrophila</i>	<i>occidentalis</i>	(Moq.) S.Watson	Michael J. Moore et al. 2342 (OC)	United States	California	Inyo	Along CA 190 approx. 1.3 mi NE of act w/ US 995 in Olancha. Just S of Owens Lake bed	field	Young Leaf and apical meristem	10/14/2011 YY Purelink	10/21/2011 YY KAPA stranded	10 per lane HiSeq2500V4	125 PE	30,863,618	1412	Trinity v2.0.3	transdecoder to blastp	SAMN08284115
PolnaSF B	Amaranthaceae	<i>Polycnemum</i>	<i>majus</i>	A. Braun	Gudrum Kaderet s.n.	N/A	N/A	N/A	Cultivated at Universitat Mainz.	cultivated	N/A	Cambridge Jan 2016	7/18/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	28,709,061	1608	Trinity v2.0.3	transdecoder to blastp	SAMN08284116
GrakuSFB	Anacampserotaceae	<i>Grahamia</i>	<i>hartzii</i>	(Bocig) G.D.Ravely	Sukulentens-Sammlung Zürich accession 10.0046.0	N/A	N/A	N/A	Cultivated at Sukulentens-Sammlung Zürich.	cultivated	N/A	12/02/2016 Tao Hot acid Phenol	7/18/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	30,913,253	1608	Trinity v2.0.3	transdecoder to blastp	SAMN08284117
MJM2441	Anacampserotaceae	<i>Talinopsis</i>	<i>frutescens</i>	A. Gray	Michael J. Moore et al. 2441 (OC)	Mexico	Chihuahua	N/A	N end of Sierra de Fernaldo, on Rancho de Lobos.	field	Flower Bud	7/17/2014 YY Trizol	11/10/2011 YY TruSeq stranded	7 per lane HiSeq2000	101 PE	35,582,249	1169	Trinity 2.04	transdecoder to blastp	SAMN08284118
AP07471	Caryophyllaceae	<i>Cerastium</i>	<i>alpinum</i>	M.Bieb.	Alphains accession 07471.06	N/A	N/A	N/A	Cultivated at Matthaei Botanical Gardens, University of Michigan.	cultivated	young leaf	8/19/2015 YY Purelink	9/23/2015 YY KAPA stranded 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	23,209,218	1423	Trinity v2.0.3	transdecoder to blastp	SAMN08284119
MJM1670	Caryophyllaceae	<i>Paronychia</i>	<i>drummondii</i>	Torr & A. Gray	Michael J. Moore 1670 (OC)	United States	Texas	Caldwell	between McMahan and Delhi, just W of jct w Taylorville Rd.	field	inflorescences	9/16/2015 YY JFW Purelink	10/21/2011 YY KAPA stranded	10 per lane HiSeq2500V4	125 PE	24,395,395	1423	Trinity v2.0.3	transdecoder to blastp	SAMN08284120
MJM2931	Caryophyllaceae	<i>Paronychia</i>	<i>jamezii</i>	Torr & A. Gray	Michael J. Moore et al. 2931 (OC)	United States	New Mexico	Eddy	Along gravel road leading W from US 283 along N edge of Seven Rivers Hills.	field	twig	9/16/2015 YY JFW Purelink	10/21/2011 YY KAPA stranded	10 per lane HiSeq2500V4	125 PE	32,346,519	1423	Trinity v2.0.3	transdecoder to blastp	SAMN08284121
ScgloSFB	Caryophyllaceae	<i>Schiedea</i>	<i>globosa</i>	H.Mann	N/A	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	Cambridge Jan 2016	7/18/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPure	11 per lane HiSeq2500V4	125 PE	22,740,866	1608	Trinity v2.0.3	transdecoder to blastp	SAMN08284122
Cr1011	Caryophyllaceae	<i>Cardionema</i>	<i>ramosissimum</i>	A. Nelson & J.F. Macbr.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Cambridge Jan 2016	10/11/2011 6 NW KAPA stranded KK8420	10 per lane HiSeq2500V4	125 PE	32,965,313	1691	Trinity v2.0.3	transdecoder to blastp	SAMN08284123
Hg1011	Caryophyllaceae	<i>Herniaria</i>	<i>glabra</i>	L.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Cambridge Jan 2016	10/11/2011 6 NW KAPA stranded KK8420	10 per lane HiSeq2500V4	125 PE	28,591,187	1691	Trinity v2.0.3	transdecoder to blastp	SAMN08284124
Pf1011	Caryophyllaceae	<i>Paronychia</i>	<i>fastigiata</i>	Fernald	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Cambridge Jan 2016	10/11/2011 6 NW KAPA stranded KK8420	10 per lane HiSeq2500V4	125 PE	28,540,574	1691	Trinity v2.0.3	transdecoder to blastp	SAMN08284125
Pi1011	Caryophyllaceae	<i>Polycarpon</i>	<i>tetraphyllum</i>	(L.) L.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Cambridge Jan 2016	10/11/2011 6 NW KAPA stranded KK8420	10 per lane HiSeq2500V4	125 PE	29,471,628	1691	Trinity v2.0.3	transdecoder to blastp	SAMN08284126
Sm1011	Caryophyllaceae	<i>Spergularia</i>	<i>marina</i>	(L.) Griseb.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Cambridge Jan 2016	10/11/2011 6 NW KAPA stranded KK8420	10 per lane HiSeq2500V4	125 PE	31,048,605	1691	Trinity v2.0.3	transdecoder to blastp	SAMN08284127

Accession	Family	Genus	Species	Author	Country	State	County	Locality	Cultivated	Herbarium	Accession	Material	PE	TP	Trinity	Barcode	Accession		
AmasSFB	Chenopodiaceae	<i>Anabasis</i>	<i>articulata</i>	(Forsk.) Moq. Gudrun Kadereit s.n.	N/A	N/A	N/A	Cultivated at Universitaet Mainz.	cultivated	N/A	Cambridge Jan 2016	6/12/2016 YY Sonna KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	32,094,132	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284128
AmasSFB	Chenopodiaceae	<i>Arthrocnemum</i>	<i>macrostachyum</i>	(Moric.) K.Koch Gudrun Kadereit s.n.	N/A	N/A	N/A	Cultivated at Universitaet Mainz.	cultivated	N/A	Cambridge Jan 2016	7/18/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	31,887,239	1608	Trinity v2.0.3	transdecoder to blastp	SAMN08284129
MJM3295	Chenopodiaceae	<i>Atriplex</i>	sp.	N/A	United States	Utah	Wayne	A few hundred yards W of Coal Mine Rd, approx. 3.2 mi N of jct w/ UT-24	field	N/A	5/25/2016 YY Sonna Purelink	6/8/2016 Sonna YY KAPA stranded 85C 6min frag	125	PE	38,646,448	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284130
CarveSFB	Chenopodiaceae	<i>Caryoxylon</i>	<i>vermiculatum</i>	(L.) Akhram & Roslon Gudrun Kadereit s.n.	N/A	N/A	N/A	Cultivated at Universitaet Mainz.	cultivated	N/A	Cambridge Jan 2016	6/12/2016 YY Sonna KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	29,764,712	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284131
MJM2991	Chenopodiaceae	<i>Chenopodium</i>	<i>murale</i>	(L.) S.Fuentes, Uotila & Borsch Michael J. Moore et al. 2991 (OC)	United States	New Mexico	Chaves	Along gravel road just west of US 380 opposite rest area.	field	inflorescences (green) and young leaf	7/8/2016 YY Purelink	7/13/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	35,470,248	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284132
MSB0000170SFB	Chenopodiaceae	<i>Corispermum</i>	<i>hysopifolium</i>	L. Millennium Seed Bank accession 0000170	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	summer 2014 Jess Purelink	9/23/2015 YY KAPA stranded	125	PE	34,600,089	1423	Trinity v2.0.3	transdecoder to blastp	SAMN08284133
EosaxSFB	Chenopodiaceae	<i>Eoakochia</i>	<i>saxicola</i>	(Guss.) Freitag & Kadereit Gudrun Kadereit s.n.	N/A	N/A	N/A	Cultivated at Universitaet Mainz.	cultivated	leaf apical meristem	Cambridge Jan 2016	7/18/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	26,533,433	1608	Trinity v2.0.3	transdecoder to blastp	SAMN08284134
MSB0496298SFB	Chenopodiaceae	<i>Kali</i>	<i>collina</i>	(Pall.) Akhram & Roslon Millennium Seed Bank accession 0496298	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	summer 2014 Jess Purelink	9/23/2015 YY KAPA stranded	125	PE	32,774,143	1423	Trinity v2.0.3	transdecoder to blastp	SAMN08284135
KaicuSFB	Chenopodiaceae	<i>Kalidium</i>	<i>cuspidatum</i>	(Ling-Sternb.) Grubov Gudrun Kadereit s.n.	N/A	N/A	N/A	Cultivated at Universitaet Mainz.	cultivated	N/A	Cambridge Jan 2016	7/18/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	28,530,080	1608	Trinity v2.0.3	transdecoder to blastp	SAMN08284136
SalspSFB	Chenopodiaceae	<i>Allenrolfea</i>	sp.	N/A	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	Cambridge Jan 2016	6/12/2016 YY Sonna KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	33,189,777	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284137
MJM3216	Chenopodiaceae	<i>Sarcocornia</i>	<i>pacifica</i>	(Standl.) A.J.Scott Michael J. Moore et al. 3216 (OC)	United States	California	San Luis Obispo	Morro Bay State Park/Morro Estuary National Preserve. Just E of State Park Rd/Main St. approx. 0.7 mi SW of jct w/ S Bay Blvd.	field	apical meristem, succulent	11/13/2011 YY Purelink	5/9/2016 YY KAPA stranded	11	PE	41,859,512	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284138
MJM3228	Chenopodiaceae	<i>Stutzia</i>	<i>covillei</i>	(Torrey ex Watson) S. Watson Michael J. Moore et al. 3228 (OC)	United States	California	Inyo	Along Sutter's Dry Lake Rd, approx. 0.5 mi E of jct w/ Trona-Wildrose Rd.	field	young leaf, bracts and flower buds	7/8/2016 YY Purelink	7/13/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	29,855,707	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284139
TecpeSFB	Chenopodiaceae	<i>Tecticornia</i>	<i>pergranulata</i>	(J.M. Black) K.A. Shephard & Paul G. Wilson Gudrun Kadereit s.n.	N/A	N/A	N/A	Cultivated at Universitaet Mainz.	cultivated	N/A	Cambridge Feb 2016	7/18/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	37,930,163	1608	Trinity v2.0.3	transdecoder to blastp	SAMN08284140
MJM3031	Chenopodiaceae	<i>Prostratiplex</i>	<i>pleiantha</i>	(W.A. Weber) Stutz & G.L. Chu Michael J. Moore et al. 3031 (OC)	United States	New Mexico	San Juan	Navajo Nation: Just south of Navajo Nation Rd. 4104, near Navajo Mine HO	field	Young Leaf	9/16/2015 YY JFW Purelink	10/21/2015 YY KAPA stranded	10	PE	29,151,017	1423	Trinity v2.0.3	transdecoder to blastp	SAMN08284141
MJM3086	Chenopodiaceae	<i>Suckleya</i>	<i>suckleyana</i>	Rydb. Michael J. Moore et al. 3086 (OC)	United States	Arizona	Navajo	100 yards S of Navajo Nation Rd. 6450, approx. 1.5 mi W of jct w/ US-163	field	young leaf, bracts and flower buds	10/15/2011 YY Purelink	10/21/2015 YY KAPA stranded	10	PE	25,402,996	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284142
MJM3089	Chenopodiaceae	<i>Zuckia</i>	<i>brandegei</i>	(S.L. Welsh & Stutz) Michael J. Moore et al. 3086 (OC)	United States	New Mexico	San Juan	Navajo Nation: Along S edge of stock tank approx. 0.2 mi W of Navajo Nation Rd. 5082	field	young leaf	7/8/2016 YY Purelink	7/13/2016 YY KAPA stranded 85C 6min frag 0.7x final AMPare	125	PE	34,336,093	1576	Trinity v2.0.3	transdecoder to blastp	SAMN08284143

YY4B	Droseraceae	<i>Drosera</i>	<i>burmannii</i>	Vahl	Mathias Botanical Gardens	Australia	Evans Head	NSW	Cultivated at Mathias Botanical Gardens, University of Michigan	cultivated	young trap	6/1/2016 Soma YY Purelink	6/8/2016 Soma YY KABA standed 85C 6min frag	10 per lane HiSeq2500V4	125 PE	20,698,983	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284144
MM3209	Frankeniaceae	<i>Frankonia</i>	<i>salina</i>	(Molina) L.M.Johns	Michael J. Moore et al. 3209 (OC)	United States	California	San Luis Obispo	Morro Bay State Park, Morro Estuary Natural Preserve, Just E of State Park Rd, Main St. approx. 0.7 mi SW of jet w/ S Bay Blvd.	field	Young Leaf and apical meristem	9/16/2015 YY JFW Purelink	10/21/2015 YY KABA standed	10 per lane HiSeq2500V4	125 PE	26,798,647	1412	Trinity v2.0.3	transdecoder to blastp	SAMN08284145
GphSFB	Gnaphalaceae	<i>Gisekia</i>	<i>pharnaceoides</i>	L.	Millennium Seed Bank accession 0586315	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	Cambridge Jan 2016	6/12/2016 YY Soma KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	28,736,685	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284146
KebsSFB	Kewaceae	<i>Kewa</i>	<i>bowkeriana</i>	(Sand.) Christenh.	Botanisch Garten, Technische Universität Dresden accession 99 Bonn 931 (B.09964)	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	07/01/2016 Tao Hot acid Phenol	6/12/2016 YY Soma KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	38,426,364	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284147
MacanSFB	Macarthuriaceae	<i>Macarthuria</i>	<i>australis</i>	Högel ex Endl.	Kevin Thiele 5141 (UWA)	Australia	Western Australia	N/A	Perth Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	Cambridge Jan 2016	6/12/2016 YY Soma KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	23,610,777	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284148
NepveSFB	Nepenthaceae	<i>Nepenthes</i>	<i>ventricata</i>	Blanco	N/A	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	tip of male inflorescence	18/09/2015 Tao Purelink	6/8/2016 Soma YY KABA standed 85C 6min frag	10 per lane HiSeq2500V4	125 PE	24,319,566	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284149
MM3292	Nyctaginaceae	<i>Abronia</i>	<i>fragrans</i>	Nutt. ex Hook.	Michael J. Moore et al. 2992 (OC)	United States	New Mexico	Chaves	Along gravel road just N of US 380 opposite rest area.	field	young leaf and flower bud	7/8/2016 YY Purelink	7/13/2016 YY KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	27,329,149	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284150
MM3318	Nyctaginaceae	<i>Abronia</i>	<i>glabrefolia</i>	Standl.	Michael J. Moore et al. 3318 (OC)	United States	Colorado	Mesa	Along Mitchell Rd approx. 1.0 mi W of jet w/ CO 139	field	young leaf	10/14/2015 YY Purelink	10/21/2015 YY KABA standed	10 per lane HiSeq2500V4	125 PE	28,219,115	1412	Trinity v2.0.3	transdecoder to blastp	SAMN08284151
MM3204	Nyctaginaceae	<i>Abronia</i>	<i>latifolia</i>	Eschsch.	Michael J. Moore et al. 3204 (OC)	United States	California	San Luis Obispo	Along path from parking lot at end of Sand Spjt Rd. to beach, just up the dunes from the beach.	field	young leaf and flower	12/2/2015 YY JFW Purelink	12/13/2015 JFW & YY KABA standed	11 per lane HiSeq2500V4	125 PE	30,010,161	1455	Trinity v2.0.3	transdecoder to blastp	SAMN08284152
MM3217	Nyctaginaceae	<i>Abronia</i>	<i>maritima</i>	Nutt. ex S. Watson	Michael J. Moore et al. 3217 (OC)	United States	California	San Luis Obispo	de Oro State Park. Along path from parking lot at end of Sand Spjt Rd. to beach, approx. 100 yards from parking lot.	field	young leaf	8/27/2015 YY JFW Trzsol	10/21/2015 YY KABA standed	10 per lane HiSeq2500V4	125 PE	39,062,505	1423	Trinity v2.0.3	transdecoder to blastp	SAMN08284153
MM3203	Nyctaginaceae	<i>Abronia</i>	<i>umbellata</i>	Lam.	Michael J. Moore et al. 3203 (OC)	United States	California	San Luis Obispo	de Oro State Park. Along path from parking lot at end of Sand Spjt Rd. to beach, approx. 100 yards from parking lot.	field	young leaf and red flower bud	7/8/2016 YY Purelink	7/13/2016 YY KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	25,532,297	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284154
MM32505	Nyctaginaceae	<i>Acletoisanthos</i>	<i>acattensis</i>	M.J. Moore & E. Loke (mod.)	Michael J. Moore et al. 2505 (OC)	Mexico	Durango		On the W side of the Sierra de Thalmahilo	field	flower bud	7/8/2016 YY Purelink	7/13/2016 YY KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	26,914,169	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284155
MM3237a	Nyctaginaceae	<i>Anulocaulis</i>	<i>anululata</i>	(Coville) Standl.	Michael J. Moore et al. 3237a (OC)	United States	California	Inyo	Mouth of Surprise Canyon.	field	young leaf	7/8/2016 YY Purelink	7/13/2016 YY KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	27,630,924	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284156
MM32760	Nyctaginaceae	<i>Boerhavia</i>	<i>ciliata</i>	Brandegee	Michael J. Moore et al. 2760 (OC)	Mexico	Nuevo Leon	Mier y Noriega	Large gypsum exposure about 25 km SW of Doctor Arroyo.	field	red flower bud	7/8/2016 YY Purelink	7/13/2016 YY KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	24,672,667	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284157
ColorSFB	Nyctaginaceae	<i>Coligonia</i>	<i>ovalifolia</i>	Heimel	Cmg Farms accession BSW10644	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	09/11/2016 Tao Hot acid Phenol	6/12/2016 YY Soma KABA standed 85C 6min frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	31,925,771	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284158

Accession	Family	Genus	Species	Author	Country	State	County	Location	Field	Plant Part	Date	Accession	PE	Area	Height	Notes	Accession		
MJM2726 B	Nyctaginaceae	<i>Commicarpus</i>	<i>scandens</i>	(L.) Standl. Michael J. Moore et al. 2726B (OC)	Mexico	Jalisco	Autlan de Navarro	Along gravel road leading from the outskirts of El Grullo to El Charalito.	field	young leaf and flower bud	6/1/2016 Sonia YY Puelink	6/8/2016 Sonia YY KAPA standed 85C 6mm frag	10 per lane HiSeq2500V4	125 PE	26,530,656	1386	Trinity v2.0.3	transdecoder to blastp	SAMN08284159
MJM2725	Nyctaginaceae	<i>Mirabilis</i>	<i>pringlei</i>	Weath. Michael J. Moore et al. 2725 (OC)	Mexico	Jalisco	Autlan de Navarro	Along gravel road leading from the outskirts of El Grullo to El Charalito.	field	yellow flower bud; young leaf	7/8/2016 YY Puelink	7/13/2016 YY KAPA standed 85C 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	28,653,845	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284160
MJM2675	Nyctaginaceae	<i>Neea</i>	<i>psychotrioides</i>	Donn.Sm. Michael J. Moore et al. 2675 (OC)	Mexico	Veracruz	San Andres Tuxtla	Estacion Biologica Los Tuxtlas, near the collection building	field	young leaf	11/12/201 5 YY Puelink	5/9/2016 YY KAPA standed	11 per lane HiSeq4000	150 PE	33,372,785	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284161
MJM2673	Nyctaginaceae	<i>Okania</i>	<i>hypogaea</i>	Schldl. & Cham. Michael J. Moore et al. 2673 (OC)	Mexico	Veracruz	San Andres Tuxtla	Along the face and near the base of large foredunes near the beach.	field	young leaf; apical meristem	11/12/201 5 YY Puelink	5/9/2016 YY KAPA standed	11 per lane HiSeq4000	150 PE	30,532,741	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284162
MJM2724	Nyctaginaceae	<i>Salpianthus</i>	<i>purpurascens</i>	(Cav. ex Lag.) Hook. & Arn. Michael J. Moore et al. 2724 (OC)	Mexico	Jalisco	Autlan de Navarro	Along arroyo bed across the street from the campus of CUCSUR in Autlan de Navarro.	field	red young leaf	11/12/201 5 YY Puelink	5/9/2016 YY KAPA standed	11 per lane HiSeq4000	150 PE	39,510,547	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284163
MJM3027	Nyctaginaceae	<i>Tripterocalyx</i>	<i>cornutus</i>	(Greene) L.A.Galway Michael J. Moore et al. 3027 (OC)	United States	New Mexico	Socorro	Along US 380 at picnic area a few miles W of Bingham, Bingham, Kanpoung S	field	young leaf	12/2/2015 YY & JW Puelink	12/13/201 5 JW & YY KAPA standed	11 per lane HiSeq2500V4	125 PE	33,402,934	1455	Trinity v2.0.3	transdecoder to blastp	SAMN08284164
MJM3358	Petiveriaceae	<i>Trichostema</i>	<i>octandrum</i>	(L.) H.Walter Michael J. Moore et al. 3358 (OC)	United States	Florida	Miami-Dade	immediately adjacent to Bucayne Riv.	cultivated	young leaf and flower bud	11/12/201 YY Puelink	5/9/2016 YY KAPA standed	11 per lane HiSeq4000	150 PE	44,949,824	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284165
AcalySFB	Plumbaginaceae	<i>Acantholimon</i>	<i>lycopodioides</i>	(Girard) Boiss. Euroseeds s.n.	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	Cambridge Jan 2016	6/12/2016 YY Sonia KAPA standed 85C 6mm frag 0.7x final AMPure.	10 per lane HiSeq2500V4	125 PE	22,038,767	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284166
AegansFB	Plumbaginaceae	<i>Aegilitis</i>	<i>annulata</i>	R.Br. David Moore et al. s.n.	Australia	Queensland	N/A	Near Cairns. Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	Cambridge Jan 2016	6/12/2016 YY Sonia KAPA standed 85C 6mm frag 0.7x final AMPure.	10 per lane HiSeq2500V4	125 PE	28,314,273	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284167
MJM3210	Plumbaginaceae	<i>Limonium</i>	<i>californicum</i>	(Boiss.) A.Heller Michael J. Moore et al. 3210 (OC)	United States	California	San Luis Obispo	Morro Bay State Park/Morro Estuary Natural Preserve. Just E of State Park Rd/Mann St. approx. 0.7 mi SW of jet w/ S Bay Blvd.	field	young leaf and flower bud	5/25/2016 5 YY Puelink	6/8/2016 Sonia YY KAPA standed 85C 6mm frag	10 per lane HiSeq2500V4	125 PE	42,403,925	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284168
MJM3333	Polygonaceae	<i>Bistorta</i>	<i>bistortoides</i>	(Pursh) Small Michael J. Moore et al. 3333 (OC)	United States	Colorado	Larimer	Approx. 0.25 mi E of Forest Road 69, S of Red Feather Lake.	field	young leaf and flower bud	9/18/2015 YY Puelink	10/21/201 5 YY KAPA standed	10 per lane HiSeq2500V4	125 PE	29,447,126	1412	Trinity v2.0.3	transdecoder to blastp	SAMN08284169
MJM3201	Polygonaceae	<i>Chlorizanthe</i>	<i>angustifolia</i>	Nutt. Michael J. Moore et al. 3201 (OC)	United States	California	San Luis Obispo	de Oro State Park. Along path from parking lot at end of Sand Spit Rd to beach, approx. 100 yards from parking lot.	field	inflorescences, spiny and pink	7/8/2016 YY Puelink	7/18/2016 YY KAPA standed 85C 6mm frag 0.7x final AMPure	11 per lane HiSeq2500V4	125 PE	24,437,128	1608	Trinity v2.0.3	transdecoder to blastp	SAMN08284170
MJM2665	Polygonaceae	<i>Coccoloba</i>	<i>uvifera</i>	(L.) L. Michael J. Moore et al. 2665 (OC)	N/A	N/A	N/A	Oberlin greenhouse	cultivated	young leaf	11/5/2015 YY Puelink	5/9/2016 YY KAPA standed	11 per lane HiSeq4000	150 PE	32,802,783	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284171
MJM3138	Polygonaceae	<i>Dedeckera</i>	<i>evrenkensis</i>	Reveal & J.T.Hovel 1 Michael J. Moore et al. 3138 (OC)	United States	California	Los Angeles	Cultivated at Rancho Santa Ana Botanic Garden.	cultivated	flower bud and young leaf	10/15/201 5 YY Puelink	10/21/201 5 YY KAPA standed	11 per lane HiSeq2500V4	125 PE	29,072,439	1576	Trinity v2.0.3	transdecoder to blastp	SAMN08284172
EmexSFB	Polygonaceae	<i>Roynostria</i>	<i>japonica</i> 2	(L.) Campd. Millennium Seed Bank accession 0210373	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	young leaves and meristem	summer 2014 5 YY Puelink	11/10/201 4 YY TruSeq standed	7 per lane HiSeq2000	101 PE	35,570,082	1169	Trinity 2.04	transdecoder to blastp	SAMN08284173
MJM2215	Polygonaceae	<i>Eriogonum</i>	<i>arcuatum</i> var. <i>arcuatum</i>	Greene Michael J. Moore et al. 2215 (OC)	United States	New Mexico	Socorro	Just E of Quebedas Backcountry Byway.	field	flower bud and young leaf	10/14/201 5 YY Puelink	10/21/201 5 YY KAPA standed	10 per lane HiSeq2500V4	125 PE	27,203,485	1412	Trinity v2.0.3	transdecoder to blastp	SAMN08284174

MM3179	Polygonaceae	<i>Eriogonum</i>	<i>callitum</i>	Reveal	Michael J. Moore et al. 3179 (OC)	United States	California	Kern	Trjon Rauch; Tehachapi Mtns, on calcareous outcrop near crest	field	flower bud and young leaf, both very hairy	11/13/2015 YY Purelink	5/9/2016 YY KAPA stranded	11 per lane HiSeq4000	150 PE	39,915,998	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284175
LCM5367	Polygonaceae	<i>Eriogonum</i>	<i>deflexum</i>	Torr.	Lucas C. Majure and Michael J. Moore 5367 (DES)	United States	Arizona	Maricopa	Desert Botanical Garden.	field	young leaf and flower bud	11/4/2015 YY Purelink	12/13/2015 5 FW & YY KAPA stranded	11 per lane HiSeq2500V4	125 PE	25,761,536	1455	Trinity v2.0.3	transdecoder to blastp	SAMN08284176
MM3227	Polygonaceae	<i>Eriogonum</i>	<i>inflatum</i> subsp. <i>Inflatum</i>	Torr.	Michael J. Moore et al. 3227 (OC)	United States	California	Kern	Along Short Canyon Rd. approx. 2.6 mi W of Bradys.	field	flower bud	12/2/2015 YY & JFW Purelink	12/13/2015 5 FW & YY KAPA stranded	11 per lane HiSeq2500V4	125 PE	26,549,509	1455	Trinity v2.0.3	transdecoder to blastp	SAMN08284177
MM2918	Polygonaceae	<i>Eriogonum</i>	<i>longifolium</i> var. <i>longifolium</i>	Nutt.	Michael J. Moore et al. 2918 (OC)	United States	New Mexico	Eddy	Yeso Hills, on long WNW-ENE trending ridge of gypsum, approx 1.0 mi along gravel road leading east from US 62/180.	field	young leaf and flower bud	11/5/2015 YY Purelink	5/9/2016 YY KAPA stranded	11 per lane HiSeq4000	150 PE	31,803,560	1565	Trinity v2.0.3	transdecoder to blastp	SAMN08284178
MM1769	Polygonaceae	<i>Eriogonum</i>	<i>rotundifolium</i>	Benth.	Michael J. Moore 1769 (OC)	United States	New Mexico	Otero	next to parking lot at Holiday Inn Express, near US 54/70 exit in southern end of Alamogordo.	field	flower bud	9/16/2015 YY JFW Purelink	10/21/2015 5 YY KAPA stranded	10 per lane HiSeq2500V4	125 PE	26,152,107	1423	Trinity v2.0.3	transdecoder to blastp	SAMN08284179
MM1170	Polygonaceae	<i>Muhlenbeckia</i>	<i>platyclada</i>	(F.J.Muhl.) Mesa	Michael J. Moore 1170 (OC)	N/A	N/A	N/A	Oberlin greenhouse	cultivated	young leaves, bright green	7/18/2014 YY Autumn	11/10/2014 4 YY TruSeq stranded 6/12/2016 YY Sonis KAPA stranded	7 per lane HiSeq2000	101 PE	42,176,385	1169	Trinity 2.04	transdecoder to blastp	SAMN08284180
OxyeSF B	Polygonaceae	<i>Oxyria</i>	<i>perfoliata</i>	Torr. & A. Gray	Millennium Seed Bank accession 0266864	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	N/A	Cambridge Jan 2016 YY	10 per lane HiSeq2500V4 85C 6mm frag 0.7x final AMPure	125 PE	32,503,140	1586	Trinity v2.0.3	transdecoder to blastp	SAMN08284181	
MM1162	Polygonaceae	<i>Persicaria</i>	<i>virginiana</i>	(L.) Gaertn.	Michael J. Moore 1162 (OC)	United States	Ohio	Erie	Along the bank of the creek behind my house.	field	young leaves	7/18/2014 YY Autumn	11/10/2014 4 YY TruSeq stranded	7 per lane HiSeq2000	101 PE	33,472,097	1169	Trinity 2.04	transdecoder to blastp	SAMN08284182
MM2714	Polygonaceae	<i>Podopterus</i>	<i>condifolius</i>	Rose & Standl.	Michael J. Moore et al. 2714 (OC)	Mexico	Jalisco	La Huerta	Behind farmhouse approx. 0.5 km landward from main coastal highway. Eticsson	field	young leaf	7/8/2016 YY Purelink	7/13/2016 YY KAPA stranded 85C 6mm frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	27,295,188	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284183
MM2721	Polygonaceae	<i>Podopterus</i>	<i>mexicanus</i>	Humb. & Boiss.	Michael J. Moore et al. 2721 (OC)	Mexico	Jalisco	La Huerta	Biologica Chamela, along Arroyo Colorado near the end of the Eje Central	field	young leaf	6/2/2016 Sonia YY Purelink	7/13/2016 YY KAPA stranded 85C 6mm frag 0.7x final AMPure	10 per lane HiSeq2500V4	125 PE	29,161,786	1599-1602	Trinity v2.0.3	transdecoder to blastp	SAMN08284184

MDM2667	Polygonaceae	<i>Polygonum</i>	<i>aviculare</i>	L.	Michael J. Moore 2667 (OC)	United States	Ohio	Lorain	Adjacent to Woodland St parking lot on campus of Oberlin College. Insects at the	field	flower bud	7/18/2014 YY Autumn	11/10/2014 YY TruSeq stranded	7 per lane HiSeq2000	101 PE	33,221,361	1169	Trinity 2.04	transdecoder to blastp	SAMN08284185
MDM3353	Polygonaceae	<i>Polygonum</i>	<i>denticarass</i>	T.M. Schunnt & Reveal	Michael J. Moore et al. 3353 (OC)	United States	Florida	Highlands	Denny's parking lot on the E side of US 27, approx. 0.6 mi N of jct w/ Schunnacher Rd/Setaine Blv.	field	inflorescence	12/2/2015 YY & JFW Purelink	12/13/2015 5 JFW & YY KAPA stranded	11 per lane HiSeq2500V4	125 PE	26,518,931	1455	Trinity v2.0.3	transdecoder to blastp	SAMN08284186
PterSFB	Polygonaceae	<i>Platanostegia</i>	<i>drymarisoides</i>	Fisch. & C.A. Mey	Millenniu m Seed Bank accession 0496863	N/A	N/A	N/A	Cultivated at Cambridge University Botanic Garden.	cultivated	young leaf and meristems	summer 2014 Jess Purelink	11/10/2014 YY TruSeq stranded	7 per lane HiSeq2000	101 PE	35,089,338	1169	Trinity 2.04	transdecoder to blastp	SAMN08284187
MDM3364	Polygonaceae	<i>Rugrechtia</i>	<i>coriacea</i>	(H.Karst.) Benth. & Hook. f. ex B.D.Jacks	Michael J. Moore et al. 3364 (OC)	United States	Florida	Miami-Dade	The Kampong: N side of Bay Breeze Ave. near main entrance to property. Area B1. Original collecting locality: Venezuela - Saugre de Toro, Biscochito	cultivated	young leaf	10/14/2015 3 YY Purelink	10/21/2015 3 YY KAPA stranded	10 per lane HiSeq2500V4	125 PE	27,384,167	1412	Trinity v2.0.3	transdecoder to blastp	SAMN08284188
MDM3164	Polygonaceae	<i>Sidafoeca</i>	<i>caryophylloides</i>	(Parry) Reveal	Michael J. Moore et al. 3164 (OC)	United States	California	Bernardin o	San Just S of CA 18 approx. 80 yards E of jct w/ Rim of the World Dr.	field	young leaf	12/2/2015 YY & JFW Purelink	12/13/2015 5 JFW & YY KAPA stranded	11 per lane HiSeq2500V4	125 PE	23,632,522	1455	Trinity v2.0.3	transdecoder to blastp	SAMN08284189
MDM3060	Polygonaceae	<i>Stenogonum</i>	<i>saltingosum</i>	Nutt.	Michael J. Moore et al. 3060 (OC)	United States	New Mexico	San Juan	Along Rd 6893 approx. 2.4 mi N of jct w/ US 64.	field	flower bud and young leaf	12/2/2015 YY & JFW Purelink	12/13/2015 5 JFW & YY KAPA stranded	11 per lane HiSeq2500V4	125 PE	26,501,802	1455	Trinity v2.0.3	transdecoder to blastp	SAMN08284190
MDM2941	Polygonaceae	<i>Triplaris</i>	<i>weigeltiana</i>	(Rchb.) Kuntze	Michael J. Moore & J. Lee 2941 (OC)	N/A	N/A	N/A	Missouri Botanical Garden, cultivated in Climastron.	cultivated	young leaf	12/2/2015 YY & JFW Purelink	12/13/2015 5 JFW & YY KAPA stranded	11 per lane HiSeq2500V4	125 PE	24,900,043	1455	Trinity v2.0.3	transdecoder to blastp	SAMN08284191
MDM1773	Sarcobataceae	<i>Sarcobatus</i>	<i>vermicularis</i>	(Hook.) Torr.	Michael J. Moore 1773 (OC)	United States	New Mexico	Torrance	Along US 60 ca 5 mi E of jct w/ NM 42, near S end of Laguna del Peno.	field	young leaves	6/4/2014 YY Autumn	11/10/2014 4 YY TruSeq stranded	7 per lane HiSeq2000	101 PE	44,568,207	1169	Trinity 2.04	transdecoder to blastp	SAMN08284192
DBG5thA	Stegnospermataceae	<i>Stegnosperma</i>	<i>halimifolium</i>	Benth.	Desert Botanical Garden accession 1973-0120-01-1W	N/A	N/A	N/A	Cultivated at Desert Botanical Garden.	cultivated	flower bud and young leaf	7/28/2015 Julia Autumn	8/20/2015 YY JFW KAPA stranded	10 per lane HiSeq2500V4	125 PE	34,118,106	1356	Trinity v2.0.3	transdecoder to blastp	SAMN08284193