

Voucher numbers, locality, coordinates, region, and genbank assession numbers for individuals used in this study. Voucher numbers correspond to sequences in provided alignments. Codes for state follow legend from figure 1. Codes for region follow map in figure 1.

Voucher number	locality	state	latitude	longitude	region	genbank assession numbers		
						ND2	crystallin	a.polypep.
CFBH-T10831	Guaramiranga	CE	-38.946244	-4.271387	-	KC198095	KC199403	KC199035
CFBH-T10832	Guaramiranga	CE	-38.946244	-4.271387	-	KC198096	KC199404	KC199036
CFBH-T10833	Guaramiranga	CE	-38.946244	-4.271387	-	KC198097	KC199405	KC199037
CFBH-T10834	Guaramiranga	CE	-38.946244	-4.271387	-	KC198098	KC199406	KC199038
CFBH-T10841	Guaramiranga	CE	-38.946244	-4.271387	-	KC198099	-	-
PHV1450	São Desidério	BA	-44.972302	-12.342748	-	KC198386	KC199549	-
PHV1451	São Desidério	BA	-44.972302	-12.342748	-	KC198387	KC199550	-
MTJ26	Januária	MG	-44.240764	-15.111501	-	KC198365	KC199539	KC199361
MTJ27	Januária	MG	-44.240764	-15.111501	-	KC198366	KC199540	-
MTJ53	Januária	MG	-44.240764	-15.111501	-	KC198367	KC199541	KC199362
MTJ54	Januária	MG	-44.240764	-15.111501	-	KC198368	KC199542	KC199363
MTJ55	Januária	MG	-44.240764	-15.111501	-	KC198369	KC199543	-
MTJ56	Januária	MG	-44.240764	-15.111501	-	KC198370	-	KC199365
MTJ71	Januária	MG	-44.240764	-15.111501	-	KC198371	KC199544	KC199366
MTJ72	Januária	MG	-44.240764	-15.111501	-	KC198372	KC199545	KC199367
MTJ84	Januária	MG	-44.240764	-15.111501	-	KC198373	KC199546	KC199368
MTJ85	Januária	MG	-44.240764	-15.111501	-	KC198374	KC199547	KC199369
CFBH-T3642	Areia	PB	-35.691700	-6.963300	N	GU907283	GU907445, GU907446	KC199096
CFBH-T3645	Recife	PE	-34.881100	-8.053900	N	KC198147	KC199602, KC199603	-
CFBH-T3650	Recife	PE	-34.881100	-8.053900	N	GU907284	KM820940, KM820941	-
CFBH-T3658	Recife	PE	-34.881100	-8.053900	N	GU907285	GU907447, GU907448	-
CFBH-T3663	Recife	PE	-34.881100	-8.053900	N	KC198149	KC199604, KC199605	-
CFBH-T9161	Itacaré	BA	-38.996700	-14.277500	N	KC198246	KC199464	KC199208
MNRJ35341	Itacaré	BA	-38.996700	-14.277500	N	KC198362	KC199682, KC199683	-
MNRJ35342	Itacaré	BA	-38.996700	-14.277500	N	KC198363	-	KC199355
CFBH-T9233	Aurelino Leal	BA	-39.327200	-14.316700	N	GU907323	KM820956, KM820957	-
CFBH-T4151	Uruçuca	BA	-39.284400	-14.593100	N	GU907288	GU907449, GU907450	KC199129
CFBH-T9129	Uruçuca	BA	-39.284400	-14.593100	N	KC198240	-	KC199202
CFBH-T9131	Uruçuca	BA	-39.284400	-14.593100	N	KC198241	KC199654, KC199655	KC199203
CFBH-T9132	Uruçuca	BA	-39.284400	-14.593100	N	KC198242	KC199463	KC199204
CFBH-T9140	Uruçuca	BA	-39.284400	-14.593100	N	KC198243	-	KC199205
CFBH-T9141	Uruçuca	BA	-39.284400	-14.593100	N	KC198244	-	KC199206
CFBH-T9147	Uruçuca	BA	-39.284400	-14.593100	N	KC198245	-	KC199207
CFBH-T9176	Uruçuca	BA	-39.284400	-14.593100	N	KC198247	-	KC199209
CFBH-T9181	Uruçuca	BA	-39.284400	-14.593100	N	KC198248	-	KC199210
CFBH-T3572	Itabuna	BA	-39.280300	-14.785600	N	KC198136	-	KC199088
CFBH-T3577	Itabuna	BA	-39.280300	-14.785600	N	KC198137	-	-
CFBH-T3578	Itabuna	BA	-39.280300	-14.785600	N	KC198138	-	KC199089
CFBH-T3591	Itabuna	BA	-39.280300	-14.785600	N	KC198139	-	KC199090
CFBH-T3596	Itabuna	BA	-39.280300	-14.785600	N	KC198140	-	KC199091
CFBH-T3605	Itabuna	BA	-39.280300	-14.785600	N	KC198141	KC199425	-
CFBH-T3609	Itabuna	BA	-39.280300	-14.785600	N	KC198142	-	KC199092
MRT5806	Jussari	BA	-39.495300	-15.191400	N	KC198307	-	KC199287
MRT5975	Jussari	BA	-39.495300	-15.191400	N	KC198306	KC199503	KC199286
MTR13599	Camacan	BA	-39.495800	-15.419200	N	GU907304	GU907461, GU907462	KC199277
MTR13608	Camacan	BA	-39.495800	-15.419200	N	KC198299	KC199497	KC199278
MTR13609	Camacan	BA	-39.495800	-15.419200	N	KC198300	-	KC199279
MTR13610	Camacan	BA	-39.495800	-15.419200	N	KC198301	KC199499	KC199280

Voucher number	locality	state	latitude	longitude	region	genbank assession numbers		
						ND2	crystallin	a.polypep.
MTR13620	Camacan	BA	-39.495800	-15.419200	N	KC198302	-	-
MTR13621	Camacan	BA	-39.495800	-15.419200	N	KC198303	-	KC199281
MTR16007	Camacan	BA	-39.495800	-15.419200	N	KC198379	KC199688,KC199689	KC199373
MTR16011	Camacan	BA	-39.495800	-15.419200	N	KC198380	-	KC199374
MTR16045	Camacan	BA	-39.495800	-15.419200	N	KC198381	KC199690,KC199691	KC199375
CFBH-T12560	Camacan	BA	-39.495800	-15.419200	N	GU907327	KM820973	KC199397
CFBH-T12561	Camacan	BA	-39.495800	-15.419200	N	KC198397	KC199554	KC199398
CFBH-T12564	Camacan	BA	-39.495800	-15.419200	N	GU907328	-	KC199399
CFBH-T12565	Camacan	BA	-39.495800	-15.419200	N	KC198398	KC199555	KC199400
PUCMG2	Sta. Maria do Salto	MG	-40.145044	-16.234382	N	KC198389	-	KC199380
MNRJ38920	Porto Seguro	BA	-39.064700	-16.449700	N	GU907318	GU907475,GU907476	KC199358
MNRJ38921	Porto Seguro	BA	-39.064700	-16.449700	N	GU907319	KM820966,KM820967	KC199359,KC199360
CFBH-T2389	Grão Mogol	MG	-42.889700	-16.559400	N	GU907268	KM820928,KM820929	KC199047
PUCMG1	Cristália	MG	-42.908198	-16.754761	N	KC198388	KC199698,KC199699	KC199379
MTR13384	Trancoso	BA	-39.083300	-16.583300	N	KC198293	-	KC199271
MTR13385	Trancoso	BA	-39.083300	-16.583300	N	KC198294	KC199495	KC199272
MTR13472	Trancoso	BA	-39.083300	-16.583300	N	KC198295	-	KC199273
MTR13482	Trancoso	BA	-39.083300	-16.583300	N	KC198296	KC199670	KC199274
MTR13594	Trancoso	BA	-39.083300	-16.583300	N	KC198297	KC199672	KC199275
MTR13595	Trancoso	BA	-39.083300	-16.583300	N	KC198298	-	-
MTR13646	Trancoso	BA	-39.083300	-16.583300	N	KC198304	-	KC199282
CFBH-T4062	Caraíva	BA	-39.147800	-16.808100	N	KC198168	KC199616,KC199617	KC199119
CFBH-T4063	Caraíva	BA	-39.147800	-16.808100	N	KC198169	KC199618,KC199619	KC199120
CFBH-T4064	Caraíva	BA	-39.147800	-16.808100	N	KC198170	KC199620,KC199621	KC199121
CFBH-T4065	Caraíva	BA	-39.147800	-16.808100	N	KC198171	-	KC199122
CFBH-T4066	Caraíva	BA	-39.147800	-16.808100	N	KC198172	-	KC199123
CFBH-T4067	Caraíva	BA	-39.147800	-16.808100	N	KC198173	-	-
CFBH-T4068	Caraíva	BA	-39.147800	-16.808100	N	KC198174	-	-
CFBH-T4069	Caraíva	BA	-39.147800	-16.808100	N	KC198175	KC199442	KC199126
CFBH-T4070	Caraíva	BA	-39.147800	-16.808100	N	KC198176	-	KC199127
CFBH-T4071	Caraíva	BA	-39.147800	-16.808100	N	KC198177	-	KC199127
CFBH-T7689	Prado	BA	-39.220800	-17.341100	N	GU907298	KM820948,KM820949	KC199171
AF402	Santa Bárbara	MG	-43.415300	-19.959400	transition zone	GU907305	KM820970	KC199283
CFBH-T7652	Nova Lima	MG	-43.846700	-19.985600	transition zone	KC198210	KC199455	KC199168
CFBH-T7660	Nova Lima	MG	-43.846700	-19.985600	transition zone	KC198211	KC199456	-
CFBH-T7664	Nova Lima	MG	-43.846700	-19.985600	transition zone	KC198212	-	KC199170
JC794	Mariana	MG	-43.416100	-20.377800	transition zone	KC198312	KC199674	KC199292
CFBH-T7482	Ouro Branco	MG	-43.691900	-20.520800	transition zone	GU907295	GU907453,GU907454	KC199165
CFBH-T7492	Ouro Branco	MG	-43.691900	-20.520800	transition zone	GU907296	KM820946,KM820947	-
CFBH-T7532	Ouro Branco	MG	-43.691900	-20.520800	transition zone	GU907297	GU907455,GU907456	KC199167
MNRJ38327	Catas Altas	MG	-43.407500	-20.074700	transition zone	GU907317	GU907473,GU907474	KC199356
MNRJ38329	Catas Altas	MG	-43.407500	-20.074700	transition zone	KC198364	KC199684,KC199685	KC199357
CFBH-T10842	Belo Horizonte	MG	-43.954526	-19.815880	transition zone	KC198100	-	-
MTR11543	Santa Marta	MG	-41.716923	-20.523100	transition zone	GU907306	GU907463,GU907464	-
MTR11548	Santa Marta	MG	-41.716923	-20.523100	transition zone	GU907307	KM820968,KM820969	-
MTR15751	Espera Feliz	ES	-41.765250	-20.566556	transition zone	KC198376	KC199686	KC199371
MTR15756	Espera Feliz	ES	-41.765250	-20.566556	transition zone	KC198377	-	-
MTR11588	Córrego Calçado	ES	-41.716700	-20.466700	transition zone	KC198317	KC199508	-
MRT1252	Ibitirama	ES	-41.667200	-20.541400	transition zone	GU907303	GU907459,GU907460	KC199253
MRT1253	Ibitirama	ES	-41.667200	-20.541400	transition zone	KC198278	-	KC199254
MTR12585	Ibitirama	ES	-41.667200	-20.541400	transition zone	KC198282	KC199495	KC199259
MTR12609	Ibitirama	ES	-41.667200	-20.541400	transition zone	KC198283	-	-

Voucher number	locality	state	latitude	longitude	region	genbank assession numbers		
						ND2	crystallin	a.polypep.
MTR10732	Caparaó	MG	-41.907096	-20.521352	transition zone	KC198315	KC199507	KC199295
MTR10733	Caparaó	MG	-41.907096	-20.521352	transition zone	KC198316	KC199676	KC199296
MTR15775	Dores do Rio Preto	ES	-41.841764	-20.693244	transition zone	KC198378	-	-
CFBH-T9177	Sooretama	ES	-40.097800	-19.196900	transition zone	GU907260	GU907427, GU907428	KC199153
CFBH-T5935	Sooretama	ES	-40.097800	-19.196900	transition zone	GU907294	KM820977	KC199019
CFBH-T5936	Sooretama	ES	-40.097800	-19.196900	transition zone	KC198197	KC199636, KC199637	KC199151
CFBH-T5945	Sooretama	ES	-40.097800	-19.196900	transition zone	KC198198	KC199638, KC199639	KC199152
CFBH-T10466	Linhares	ES	-40.087049	-19.403262	transition zone	KC198090	-	KC199028
CFBH-T9043	Linhares	ES	-40.087049	-19.403262	transition zone	KC198237	-	-
CFBH-T9046	Linhares	ES	-40.087049	-19.403262	transition zone	KC198238	KC199462	KC199201
MTR12132	Linhares	ES	-40.087049	-19.403262	transition zone	KC198324	-	KC199305
MTR12200	Linhares	ES	-40.087049	-19.403262	transition zone	KC198325	KC199678	KC199306
MTR12248	Linhares	ES	-40.087049	-19.403262	transition zone	KC198326	KC199680	KC199307
CFBH-T3362	Aracruz	ES	-40.273300	-19.820300	transition zone	KC198130	-	KC199076
CFBH-T3367	Aracruz	ES	-40.273300	-19.820300	transition zone	GU907276	GU907439, GU907440	KC199084
CFBH-T3370	Aracruz	ES	-40.273300	-19.820300	transition zone	GU907277	-	KC199077
CFBH-T3373	Aracruz	ES	-40.273300	-19.820300	transition zone	GU907278	KM820975	KC199078, KC199079
CFBH-T9008	Santa Leopoldina	ES	-40.530099	-20.102958	transition zone	KC198234	KC199461	KC199197
CFBH-T9009	Santa Leopoldina	ES	-40.530099	-20.102958	transition zone	KC198235	-	KC199198
CFBH-T9014	Santa Leopoldina	ES	-40.530099	-20.102958	transition zone	KC198236	-	KC199199
CFBH-T9080	Santa Leopoldina	ES	-40.530099	-20.102958	transition zone	KC198239	-	-
CFBH-T9178	Santa Tereza	ES	-40.600300	-19.935600	transition zone	KC198199	KC199556, KC199557	KC199020
CFBH-T5953	Santa Tereza	ES	-40.600300	-19.935600	transition zone	KC198086	-	-
MNRJ34956	Santa Tereza	ES	-40.600300	-19.935600	transition zone	KC198361	-	KC199352, KC199353
CFBH-T3393	Vila Velha	ES	-40.292500	-20.329700	transition zone	KC198133	-	-
CFBH-T3397	Vila Velha	ES	-40.292500	-20.329700	transition zone	KC198134	KC199596, KC199597	KC199084, KC199085
CFBH-T3407	Vila Velha	ES	-40.292500	-20.329700	transition zone	GU907281	GU907443, GU907444	KC199086
LSH38	Guarapari	ES	-40.506685	-20.651033	transition zone	KC198274	KC199662, KC199663	KC199250
LSH39	Guarapari	ES	-40.506685	-20.651033	transition zone	KC198275	KC199664, KC199665	KC199251
LSH60	Anchieta	ES	-40.781406	-20.721474	transition zone	KC198276	-	-
MTR1237	S. José do Calçado	ES	-41.623135	-21.049204	transition zone	KC198277	KC199666	KC199252
CFBH-T9324	Teresópolis	RJ	-42.965600	-22.412200	transition zone	GU907324	-	KC199393
CFBH-T9325	Teresópolis	RJ	-42.965600	-22.412200	transition zone	GU907325	-	KC199395
Tfreitas	Itaipava	RJ	-43.178600	-22.505000	transition zone	KC198396	KC199553	KC199390, KC199391
CFBH-T4380	Petrópolis	RJ	-43.178600	-22.505000	transition zone	KC198178	KC199622, KC199623	-
CFBH-T9331	Guapimirim	RJ	-42.981900	-22.537200	transition zone	GU907326	GU907479, GU907480	KC199396
CFBH-T10355	Seropédica	RJ	-43.705253	-22.741390	transition zone	KC198089	-	KC199027
CFBH-T3377	Itaguaí	RJ	-43.775300	-22.852200	transition zone	KC198131	-	-
CFBH-T3381	Itaguaí	RJ	-43.775300	-22.852200	transition zone	GU907279	-	KC199080
CFBH-T3385	Itaguaí	RJ	-43.775300	-22.852200	transition zone	KC198132	-	KC199081
CFBH-T3387	Itaguaí	RJ	-43.775300	-22.852200	transition zone	GU907280	KM820936, KM820937	-
CFBH-T3422	Itaguaí	RJ	-43.775300	-22.852200	transition zone	GU907282	KM820938, KM820939	-
CFBH-T2317	Cristina	MG	-45.264200	-22.211900	C	GU907267	KM820926, KM820927	KC199046
CFBH-T5086	Cristina	MG	-45.264200	-22.211900	C	GU907289	KM820944, KM820945	KC199133
CFBH-T5087	Cristina	MG	-45.264200	-22.211900	C	KC198182	KC199626, KC199627	KC199134
CFBH-T3099	S. R. Passa Quatro	SP	-47.478100	-21.710300	C	GU907270	GU907435, GU907436	KC199055
CFBH-T7699	Bauru	SP	-49.061470	-22.315880	C	KC198213	-	KC199171
CFBH-T7705	Bauru	SP	-49.061470	-22.315880	C	KC198214	KC199457	KC199172
CFBH-T7712	Bauru	SP	-49.061470	-22.315880	C	KC198215	KC199644, KC199645	KC199173
CFBH-T7717	Bauru	SP	-49.061470	-22.315880	C	KC198216	-	-
CFBH-T7727	Bauru	SP	-49.061470	-22.315880	C	KC198217	KC199646, KC199647	KC199175
CFBH-T0867	Sto. Ant. do Pinhal	SP	-45.662500	-22.827200	C	GU907261	GU907429, GU907430	KC199022

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						ND2	crystallin	a.polypep.
CFBH-T0868	Sto. Ant. do Pinhal	SP	-45.662500	-22.827200	C	GU907262	GU907431, GU907432	KC199023
CFBH-T1278	S. Luís Paraitinga	SP	-45.310000	-23.221700	C	KC198101	KC199568	KC199041
CFBH-T6526	S. Luís Paraitinga	SP	-45.310000	-23.221700	C	KC198204	KC199640	KC199159
CFBH-T3170	Nat. da Serra	SP	-45.441900	-23.375600	C	KC198113	KC199576, KC199577	-
CFBH-T3174	Nat. da Serra	SP	-45.441900	-23.375600	C	KC198114	KC199412	KC199058
CFBH-T0336	Ubatuba	SP	-45.071100	-23.433900	C	KC198107	KC199594, KC199595	KC199021
CFBH-T2588	Ubatuba	SP	-45.071100	-23.433900	C	KC198087	KC199408	KC199050
CFBH-T3628	Ubatuba	SP	-45.071100	-23.433900	C	KC198144	KC199426	KC199093
CFBH-T3633	Ubatuba	SP	-45.071100	-23.433900	C	KC198145	KC199427	KC199094
CFBH-T3638	Ubatuba	SP	-45.071100	-23.433900	C	KC198146	KC199428	KC199095
CFBH-T3659	Ubatuba	SP	-45.071100	-23.433900	C	KC198148	KC199429	KC199098
CFBH-T3803	Caraguatatuba	SP	-45.413100	-23.620300	C	KC198152	KC199432	KC199103
CFBH-T3806	Caraguatatuba	SP	-45.413100	-23.620300	C	KC198153	KC199433	KC199104
CFBH-T3834	Caraguatatuba	SP	-45.413100	-23.620300	C	KC198154	KC199606, KC199607	KC199105
CFBH-T3836	Caraguatatuba	SP	-45.413100	-23.620300	C	KC198155	KC199608, KC199609	KC199106
CFBH-T8867	São Sebastião	SP	-45.623918	-23.744402	C	KC198230	-	KC199193
CFBH-T8890	São Sebastião	SP	-45.623918	-23.744402	C	KC198231	-	KC199194
CFBH-T8891	São Sebastião	SP	-45.623918	-23.744402	C	KC198232	-	KC199195
CFBH-T8900	São Sebastião	SP	-45.623918	-23.744402	C	KC198233	KC199460	KC199196
CFBH-T2664	Ilha Bela	SP	-45.426400	-23.831100	C	KC198108	KC199409	KC199051
CFBH-T4008	Ilha Bela	SP	-45.426400	-23.831100	C	KC198163	-	KC199114
CFBH-T4009	Ilha Bela	SP	-45.426400	-23.831100	C	KC198164	-	KC199115
CFBH-T4010	Ilha Bela	SP	-45.426400	-23.831100	C	KC198165	KC199436	KC199116
CFBH-T6033	Ilha Bela	SP	-45.426400	-23.831100	C	KC198200	KC199450	KC199155
CFBH-T6048	Ilha Bela	SP	-45.426400	-23.831100	C	KC198201	-	KC199156
CFBH-T6053	Ilha Bela	SP	-45.426400	-23.831100	C	KC198202	KC199451	KC199157
CFBH-T6054	Ilha Bela	SP	-45.426400	-23.831100	C	KC198203	KC199452	KC199158
H-466	Bertioga	SP	-46.138600	-23.854400	C	KC198352	KC199532	KC199340
H-478	Bertioga	SP	-46.138600	-23.854400	C	KC198351	-	KC199339
H-485	Bertioga	SP	-46.138600	-23.854400	C	KC198353	-	KC199341
H-488	Bertioga	SP	-46.138600	-23.854400	C	KC198350	KC199530	KC199338
UF94/18	Bertioga	SP	-46.138600	-23.854400	C	KC198348	-	KC199336
UF94/30	Bertioga	SP	-46.138600	-23.854400	C	KC198349	KC199529	KC199337
CFBH-T1956	Cubatão	SP	-46.425300	-23.895000	C	KC198102	KC199570, KC199571	KC199043
CFBH-T2516	Cubatão	SP	-46.425300	-23.895000	C	KC198105	KC199572, KC199573	KC199048
CFBH-T2517	Cubatão	SP	-46.425300	-23.895000	C	KC198106	KC199407	KC199049
CFBH-T3491	Cubatão	SP	-46.425300	-23.895000	C	KC198135	KC199422	-
CFBH-T3896	Cubatão	SP	-46.425300	-23.895000	C	KC198157	-	KC199108
CFBH-T3897	Cubatão	SP	-46.425300	-23.895000	C	KC198158	KC199434	KC199109
CFBH-T3910	Cubatão	SP	-46.425300	-23.895000	C	KC198159	-	KC199110
CFBH-T5522	Cubatão	SP	-46.425300	-23.895000	C	KC198185	KC199446	KC199137
AF1430	Santos	SP	-46.333600	-23.960800	C	KC198343	KC199525	KC199331
AF1435	Santos	SP	-46.333600	-23.960800	C	KC198344	-	KC199332
AF1443	Santos	SP	-46.333600	-23.960800	C	KC198345	KC199526	KC199333
CFBH-T3953	Santos	SP	-46.333600	-23.960800	C	KC198161	KC199614, KC199615	KC199112
CFBH-T3954	Santos	SP	-46.333600	-23.960800	C	KC198162	KC199435	KC199113
MTR16675	Santo André	SP	-46.538300	-23.663900	C	KC198313	KC199514	KC199308
MTR10400	Santo André	SP	-46.538300	-23.663900	C	KC198314	KC199506	KC199293
MTR10402	Santo André	SP	-46.538300	-23.663900	C	KC198327	-	KC199294
IT-H0023	São Bernardo	SP	-46.550000	-23.700000	C	KC198328	KC199515	KC199310
IT-H0025	São Bernardo	SP	-46.550000	-23.700000	C	KC198329	KC199516	KC199311
CFBH-T10514	Itanhaém	SP	-46.788900	-24.183100	C	KC198091	KC199560	KC199029

Voucher number	locality	state	latitude	longitude	region	genbank assession numbers		
						ND2	crystallin	a.polypep.
CFBH-T3856	Itanhaém	SP	-46.788900	-24.183100	C	KC198156	KC199610	KC199107
CFBH-T3912	Itanhaém	SP	-46.788900	-24.183100	C	KC198160	KC199612	KC199111
CFBH-T5869	Peruíbe	SP	-46.998300	-24.320000	C	GU907292	-	-
CFBH-T5870	Peruíbe	SP	-46.998300	-24.320000	C	GU907293	GU907451, GU907452	KC199149
CFBH-T5871	Peruíbe	SP	-46.998300	-24.320000	C	KC198196	KC199634, KC199635	KC199150
AF122	Iguape	SP	-47.555300	-24.708100	C	KC198279	-	KC199256
AF147	Iguape	SP	-47.555300	-24.708100	C	KC198280	-	KC199257
AF151	Iguape	SP	-47.555300	-24.708100	C	KC198281	KC199487	KC199258
AF160	Iguape	SP	-47.555300	-24.708100	C	KC198284	KC199488	KC199262
AF169	Iguape	SP	-47.555300	-24.708100	C	KC198289	KC199492	KC199267
CFBH-T2246	Iguape	SP	-47.555300	-24.708100	C	KC198103	-	KC199044
CFBH-T2248	Iguape	SP	-47.555300	-24.708100	C	KC198104	-	KC199045
CFBH-T4031	Iguape	SP	-47.555300	-24.708100	C	KC198166	KC199437	KC199117
CFBH-T4032	Iguape	SP	-47.555300	-24.708100	C	KC198167	KC199438	KC199118
CFBH-T5144	Iguape	SP	-47.555300	-24.708100	C	KC198183	KC199445	KC199135
CFBH-T6957	Iguape	SP	-47.555300	-24.708100	C	KC198206	-	KC199161
CFBH-T6976	Iguape	SP	-47.555300	-24.708100	C	KC198207	-	KC199162
CFBH-T7034	Iguape	SP	-47.555300	-24.708100	C	KC198208	KC199453	KC199163
CFBH-T6952	Pariquera Açu	SP	-47.883300	-24.716700	C	KC198205	-	KC199160
CFBH-T7322	Ilha Comprida	SP	-47.540000	-24.741100	C	KC198209	KC199454	KC199164
CFBH-T10697	Cananéia	SP	-47.932267	-25.024353	C	KC198092	KC199402	KC199030
CFBH-T8433	Cananéia	SP	-47.932267	-25.024353	C	KC198225	-	KC199188
CFBH-T8434	Cananéia	SP	-47.932267	-25.024353	C	KC198226	KC199652, KC199653	KC199189
CFBH-T8547	Cananéia	SP	-47.932267	-25.024353	C	KC198227	KC199459	KC199190
CFBH-T8548	Cananéia	SP	-47.932267	-25.024353	C	KC198228	-	KC199191
CFBH-T8683	Cananéia	SP	-47.932267	-25.024353	C	KC198229	-	KC199192
CFBH-T5155	Ilha do Cardoso	SP	-47.966700	-25.133300	C	KC198184	KC199628, KC199629	KC199136
AF403	São Paulo	SP	-46.636100	-23.547500	C	-	KC199489	KC199284
MTR9957	São Paulo	SP	-46.636100	-23.547500	C	KC198285	KC199490	KC199263
MTR9958	São Paulo	SP	-46.636100	-23.547500	C	KC198286	-	KC199264
MTR9959	São Paulo	SP	-46.636100	-23.547500	C	KC198287	KC199491	KC199265
MTR9960	São Paulo	SP	-46.636100	-23.547500	C	KC198288	-	KC199266
MTR9963	São Paulo	SP	-46.636100	-23.547500	C	KC198347	KC199528	KC199335
CFBH-T3108	Cotia	SP	-46.919200	-23.603900	C	KC198112	KC199576, KC199577	KC199056
CFBH-T8274	Biritiba Mirim	SP	-46.024705	-23.596951	C	KC198222	KC199648, KC199649	KC199184
CFBH-T8275	Biritiba Mirim	SP	-46.024705	-23.596951	C	KC198223	KC199650, KC199651	KC199185
CFBH-T8276	Biritiba Mirim	SP	-46.024705	-23.596951	C	KC198224	-	KC199186
Uniban2555	Biritiba Mirim	SP	-46.024705	-23.596951	C	KC198346	KC199527	KC199334
CFBH-T3180	Santa Isabel	SP	-46.221400	-23.315600	C	KC198115	KC199580, KC199581	KC199059
CFBH-T3184	Santa Isabel	SP	-46.221400	-23.315600	C	KC198116	KC199582	KC199060
CFBH-T3189	Santa Isabel	SP	-46.221400	-23.315600	C	KC198117	KC199413	KC199061
CFBH-T3190	Santa Isabel	SP	-46.221400	-23.315600	C	KC198118	KC199414	KC199062
CFBH-T3194	Santa Isabel	SP	-46.221400	-23.315600	C	KC198119	KC199415	KC199063
CFBH-T3195	Santa Isabel	SP	-46.221400	-23.315600	C	KC198120	KC199416	KC199064
CFBH-T3202	Santa Isabel	SP	-46.221400	-23.315600	C	KC198121	KC199417	-
CFBH-T3204	Santa Isabel	SP	-46.221400	-23.315600	C	KC198122	KC199418	KC199065
CFBH-T3206	Santa Isabel	SP	-46.221400	-23.315600	C	KC198123	KC199419	KC199066
CFBH-T4426	Santa Isabel	SP	-46.221400	-23.315600	C	KC198179	KC199443	KC199130
CFBH-T4427	Santa Isabel	SP	-46.221400	-23.315600	C	KC198180	KC199444	KC199131
MTR15559	Iperó	SP	-47.693806	-23.357966	C	KC198375	-	KC199370
IT-H0437	Juquitiba	SP	-47.068300	-23.931700	C	KC198333	-	KC199317
IT-H0438	Juquitiba	SP	-47.068300	-23.931700	C	KC198334	KC199519	KC199318

Voucher number	locality	state	latitude	longitude	region	genbank assession numbers		
						ND2	crystallin	a.polypep.
IT-H0439	Juquitiba	SP	-47.068300	-23.931700	C	KC198332	-	KC199316
IT-H0459	Juquitiba	SP	-47.068300	-23.931700	C	KC198335	-	KC199319
IT-H0461	Juquitiba	SP	-47.068300	-23.931700	C	KC198331	KC199518	KC199315
IT-H0462	Juquitiba	SP	-47.068300	-23.931700	C	KC198337	KC199521	KC199321
IT-H0463	Juquitiba	SP	-47.068300	-23.931700	C	KC198338	KC199522	KC199322
IT-H0468	Juquitiba	SP	-47.068300	-23.931700	C	KC198336	KC199520	KC199320
IT-H0538	Juquitiba	SP	-47.068300	-23.931700	C	KC198339	-	KC199323
AF303	Carapicuíba	SP	-46.835600	-23.522500	C	KC198290	KC199493	KC199268
AF304	Carapicuíba	SP	-46.835600	-23.522500	C	KC198291	-	KC199269
AF316	Carapicuíba	SP	-46.835600	-23.522500	C	KC198292	KC199501	KC199270
AF423	Carapicuíba	SP	-46.835600	-23.522500	C	KC198305	KC199502	KC199285
ALC86/77	Piedade	SP	-47.418531	-23.711083	C	KC198318	KC199509	KC199299
ALC86/80	Piedade	SP	-47.418531	-23.711083	C	KC198319	-	KC199300
ALC86/81	Piedade	SP	-47.418531	-23.711083	C	KC198320	KC199510	KC199301
ALC87/1	Piedade	SP	-47.418531	-23.711083	C	KC198321	KC199511	KC199302
ALC87/3	Piedade	SP	-47.418531	-23.711083	C	KC198322	-	KC199303
ALC87/5	Piedade	SP	-47.418531	-23.711083	C	KC198323	-	KC199304
H023	Piedade	SP	-47.418531	-23.711083	C	KC198356	KC199535	KC199344
H035	Piedade	SP	-47.418531	-23.711083	C	KC198355	KC199534	KC199343
IT-H0207	Piedade	SP	-47.418531	-23.711083	C	GU907309	GU907465, GU907466	KC199312
IT-H0208	Piedade	SP	-47.418531	-23.711083	C	GU907310	-	KC199313
IT-H0209	Piedade	SP	-47.418531	-23.711083	C	KC198330	KC199517	KC199314
UF88/60	Piedade	SP	-47.418531	-23.711083	C	KC198354	KC199533	KC199342
H0300	Buri	SP	-48.592800	-23.797500	C	KC198359	-	KC199347
H0355	Buri	SP	-48.592800	-23.797500	C	KC198360	KC199538	KC199348
H0356	Buri	SP	-48.592800	-23.797500	C	KC198358	KC199537	KC199346
H0366	Buri	SP	-48.592800	-23.797500	C	KC198357	KC199536	KC199345
IT-H0573	Buri	SP	-48.592800	-23.797500	C	KC198340	KC199523	KC199325
IT-H0580	Buri	SP	-48.592800	-23.797500	C	KC198311	-	KC199291
IT-H0581	Buri	SP	-48.592800	-23.797500	C	KC198341	-	KC199326
IT-H0583	Buri	SP	-48.592800	-23.797500	C	KC198342	KC199524	KC199327
IT-H0610	Buri	SP	-48.592800	-23.797500	C	KC198308	KC199504	KC199288
IT-H0612	Buri	SP	-48.592800	-23.797500	C	KC198309	KC199505	KC199289
IT-H0613	Buri	SP	-48.592800	-23.797500	C	KC198310	-	KC199290
CFBH-T5679	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198186	KC199630, KC199631	KC199138
CFBH-T5680	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198187	KC199447	KC199139
CFBH-T5681	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198188	KC199632, KC199633	KC199140
CFBH-T5682	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198189	-	KC199141
CFBH-T5683	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198190	-	KC199142
CFBH-T5684	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198191	-	KC199143
CFBH-T5685	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198192	KC199448	KC199144
CFBH-T5686	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198193	-	KC199145
CFBH-T5687	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198194	KC199449	KC199146
CFBH-T5688	Ribeirão Grande	SP	-48.365300	-24.099200	C	KC198195	-	KC199147
CFBH-T5041	Guapiara	SP	-48.532800	-24.185000	C	KC198181	KC199624, KC199625	KC199132
CFBH-T1034	Ribeirão Branco	SP	-48.765600	-24.220800	C	GU907263	GU907433, GU907434	KC199025
CFBH-T1035	Ribeirão Branco	SP	-48.765600	-24.220800	C	GU907264	KM820920, KM820921	KC199026
IIH-149	Wenceslau Brás	PR	-49.802800	-23.873900	C	GU907312	KM820993	KC199328
IIH-172	Wenceslau Brás	PR	-49.802800	-23.873900	C	GU907313	KM820994	KC199329
IIH-224	Wenceslau Brás	PR	-49.802800	-23.873900	C	GU907314	GU907467, GU907468	KC199330
IIH046	Pinhalão	PR	-50.055800	-23.792500	C	GU907311	KM820988	KC199324
IIH114	Ortigueira	PR	-50.949400	-24.208300	C	GU907308	KM820962, KM820963	KC199309

Voucher number	locality	state	latitude	longitude	region	genbank assession numbers		
						ND2	crystallin	a.polypep.
CFBH-T11188	Ortigueira	PR	-50.949400	-24.208300	C	KC198255	KC199470	KC199225
CFBH-T9476	Teodoro Sampaio	SP	-52.167500	-22.532500	C	KC198392	KC199551	KC199386
CFBH-T7881	Teodoro Sampaio	SP	-52.167500	-22.532500	C	KC198390	KC199700	KC199382
CFBH-T7897	Teodoro Sampaio	SP	-52.167500	-22.532500	C	KC198390	KC199700,KC199701	KC199383
CFBH-T7898	Teodoro Sampaio	SP	-52.167500	-22.532500	C	KC198391	-	KC199384
CFBH-T9512	Teodoro Sampaio	SP	-52.167500	-22.532500	C	KC198393	KC199551	KC199387
CFBH-T7899	Teodoro Sampaio	SP	-52.167500	-22.532500	C	KC198391	-	KC199385
CFBH-T9513	Teodoro Sampaio	SP	-52.167500	-22.532500	C	KC198394	-	KC199388
CFBH-T9514	Teodoro Sampaio	SP	-52.167500	-22.532500	C	KC198395	KC199552	KC199389
IIBPH1333	Canindeyú	PAR	-55.668187	-24.137962	C	KC198251	KC199656,KC199657	KC199221
IIBPH1173	Itapúa	PAR	-55.683648	-26.565578	C	KC198249	KM820989	KC199219
IIBPH1191	Itapúa	PAR	-55.683648	-26.565578	C	KC198250	KM820990	KC199220
IIBPH1342	Itapúa	PAR	-55.683648	-26.565578	C	KC198252	KM820991	KC199222
IIBPH1353	Itapúa	PAR	-55.683648	-26.565578	C	KC198253	KM820964,KM820965	KC199223
IIBPH1356	Itapúa	PAR	-55.683648	-26.565578	C	KC198254	KM820992	KC199224
MVS243	Adrianópolis	PR	-48.970122	-24.684139	C	KC198383	KC199694,KC199695	KC199377
MVS244	Adrianópolis	PR	-48.970122	-24.684139	C	KC198384	KC199696,KC199697	KC199378
MVS242	Ribeira	SP	-48.998085	-24.638034	C	KC198382	KC199692,KC199693	KC199376
CFBH-T3619	Quatro Barras	PR	-49.075037	-25.367198	C	KC198143	KC199600,KC199601	-
CFBH-T9193	Quatro Barras	PR	-49.075037	-25.367198	C	GU907299	GU907457,GU907458	KC199229
CFBH-T12598	Antonina	PR	-48.711900	-25.428600	C	KC198085	-	KC199018
CFBH-T3084	Antonina	PR	-48.711900	-25.428600	C	KC198109	KC199410	KC199052
CFBH-T3085	Antonina	PR	-48.711900	-25.428600	C	KC198110	KC199574,KC199575	KC199053
CFBH-T3086	Antonina	PR	-48.711900	-25.428600	C	KC198111	KC199411	-
CFBH-T3304	Morretes	PR	-48.834400	-25.476900	C	GU907271	GU907437,GU907438	KC199067
CFBH-T3306	Morretes	PR	-48.834400	-25.476900	C	KC198124	KC199584,KC199585	KC199068
CFBH-T3310	Morretes	PR	-48.834400	-25.476900	C	KC198125	KC199586,KC199587	KC199069
CFBH-T3312	Morretes	PR	-48.834400	-25.476900	C	KC198126	-	-
K970	São José dos Pinhais	PR	-49.204152	-25.536513	C	KC198257	-	KC199228
CFBH-T10261	Guaratuba	PR	-48.574700	-25.882800	C	KC198088	-	KC199024
CFBH-T3665	Guaratuba	PR	-48.574700	-25.882800	C	KC198150	KC199430	KC199099
CFBH-T3666	Guaratuba	PR	-48.574700	-25.882800	C	GU907286	KM820976	KC199100
CFBH-T3672	Guaratuba	PR	-48.574700	-25.882800	C	GU907287	KM820942,KM820943	-
CFBH-T3679	Guaratuba	PR	-48.574700	-25.882800	C	KC198151	KC199431	KC199102
CFBH-T3314	Itapoá	SC	-48.616100	-26.116900	C	GU907272	KM820930,KM820931	KC199070
CFBH-T9201	Massaranduba	SC	-49.008300	-26.610600	C	GU907301	KM820983	KC199237
CFBH-T9202	Massaranduba	SC	-49.008300	-26.610600	C	KC198264	-	KC199238
CFBH-T9202	Massaranduba	SC	-49.008300	-26.610600	C	KC198265	KC199479	KC199239
CFBH-T9204	Massaranduba	SC	-49.008300	-26.610600	C	KC198266	KC199480	KC199240
CFBH-T9205	Massaranduba	SC	-49.008300	-26.610600	C	KC198267	KC199481	KC199241
CFBH-T9206	Massaranduba	SC	-49.008300	-26.610600	C	KC198268	KC199660,KC199661	KC199242
CFBH-T9207	Massaranduba	SC	-49.008300	-26.610600	C	KC198269	-	KC199243
CFBH-T9208	Massaranduba	SC	-49.008300	-26.610600	C	KC198270	KC199483	KC199244
CFBH-T9209	Massaranduba	SC	-49.008300	-26.610600	C	KC198271	KC199484	KC199245
CFBH-T9210	Massaranduba	SC	-49.008300	-26.610600	C	KC198272	-	KC199246
CFBH-T9211	Massaranduba	SC	-49.008300	-26.610600	C	KC198273	KC199486	KC199247
CFBH-T3316	Rio dos Cedros	SC	-49.274200	-26.738300	C	GU907273	KM820932,KM820933	-
CFBH-T3320	Rio dos Cedros	SC	-49.274200	-26.738300	C	KC198127	KC199588,KC199589	-
CFBH-T3323	Rio dos Cedros	SC	-49.274200	-26.738300	C	GU907274	KM820934,KM820935	KC199072
CFBH-T3343	Blumenau	SC	-49.066100	-26.919400	C	GU907275	KM820974	-
CFBH-T3348	Blumenau	SC	-49.066100	-26.919400	C	KC198128	KC199590,KC199591	KC199074
CFBH-T3351	Blumenau	SC	-49.066100	-26.919400	C	KC198129	KC199592,KC199593	KC199075

Voucher number	locality	state	latitude	longitude	region	genbank assession numbers		
						ND2	crystallin	a.polypep.
CFBH-T9194	Blumenau	SC	-49.066100	-26.919400	C	KC198258	KC199472	KC199230
CFBH-T9195	Blumenau	SC	-49.066100	-26.919400	C	GU907300	KM820982	KC199231
CFBH-T9196	Blumenau	SC	-49.066100	-26.919400	C	KC198259	KC199473	KC199232
CFBH-T9197	Blumenau	SC	-49.066100	-26.919400	C	KC198260	KC199474	KC199233
CFBH-T9198	Blumenau	SC	-49.066100	-26.919400	C	KC198261	KC199475	KC199234
CFBH-T9199	Blumenau	SC	-49.066100	-26.919400	C	KC198262	KC199476	KC199235
CFBH-T9200	Blumenau	SC	-49.066100	-26.919400	C	KC198263	KC199477	KC199236
CFBH-T10731	Gov. Celso Ramos	SC	-48.578577	-27.345450	C	KC198093	KC199562,KC199563	KC199031
CFBH-T10732	Gov. Celso Ramos	SC	-48.578577	-27.345450	C	KC198094	KC199564,KC199565	KC199032
CFBH-T1735	Itapema	SC	-48.611400	-27.090300	C	GU907266	KM820924.KM820925	KC199042
PUCRS	S. Am. Imperatriz	SC	-48.778600	-27.688100	C	GU907320	GU907477,GU907478	KC199381
CFBH-T8092	Anitápolis	SC	-49.129009	-27.902412	transition zone	KC198218	-	KC199176
CFBH-T8093	Anitápolis	SC	-49.129009	-27.902412	transition zone	KM820999	KC199458	-
CFBH-T8094	Anitápolis	SC	-49.129009	-27.902412	transition zone	-	KC199458	KC199178
CFBH-T8095	Anitápolis	SC	-49.129009	-27.902412	transition zone	KC198219	-	-
CFBH-T8096	Anitápolis	SC	-49.129009	-27.902412	transition zone	KM821000	KM820978	KC199180
CFBH-T8097	Anitápolis	SC	-49.129009	-27.902412	transition zone	KC198220	-	KC199181
CFBH-T8098	Anitápolis	SC	-49.129009	-27.902412	transition zone	KC198221	KM820950,KM820951	KC199182
CFBH-T8099	Anitápolis	SC	-49.129009	-27.902412	transition zone	KM821001	KM820979	-
CFBH-T11195	Ponte Serrada	SC	-52.031159	-26.856625	C	KC198256	KC199471	KC199226
CFBH-T11196	Fernandes Pinheiro	PR	-50.539953	-25.415716	S	KM820998	KM820972	KC199227
MVS398	Salete	SC	-49.946093	-27.032350	S	KC198385	-	-
CFBH-T10793	Xavantina	SC	-52.342459	-27.069167	S	KM820996	KM820971	KC199033
CFBH-T10794	Xavantina	SC	-52.342459	-27.069167	S	KM820997	KM820922.KM820923	KC199034
CFBH-T9184	Xavantina	SC	-52.342459	-27.069167	S	KM821003	KM820980	-
CFBH-T9186	Xavantina	SC	-52.342459	-27.069167	S	KM821004	KM820981	KC199211
CFBH-T9188	Xavantina	SC	-52.342459	-27.069167	S	KM821005	KM820952,KM820953	-
EMLG234	Guatambú	SC	-52.787424	-27.134741	S	KM821006	KM820958,KM820959	KC199212
EMLG235	Guatambú	SC	-52.787424	-27.134741	S	KM821007	KM820960,KM820961	KC199213
EMLG236	Guatambú	SC	-52.787424	-27.134741	S	KM821008	KM820984	-
EMLG237	Guatambú	SC	-52.787424	-27.134741	S	KM821009	-	-
EMLG253	Guatambú	SC	-52.787424	-27.134741	S	KM821010	KM820985	KC199215
EMLG453	Ponte Serrada	SC	-52.787424	-27.134741	S	KM821011	-	KC199216
flona062007	Guatambú	SC	-52.787424	-27.134741	S	KM821012	KM820986	-
flona1603	Guatambú	SC	-52.787424	-27.134741	S	KM821013	KM820987	KC199218
MNRJ33006	Mato Castelhano	RS	-52.191700	-28.278300	S	GU907315	GU907469,GU907470	KC199349
MNRJ33012	Mato Castelhano	RS	-52.191700	-28.278300	S	GU907316	GU907471,GU907472	KC199350,KC199351
CFBH-T8298	Cotiporã	RS	-51.692580	-28.958450	S	KM821002	-	KC199187
UFRGST667	Nova Roma do Sul	RS	-51.418564	-28.993790	S	KM821014	KM820995	-
CFBH-T9213	Bento Gonçalves	RS	-51.519200	-29.171400	S	GU907302	KM820954,KM820955	KC199248,KC199249