

Table S1: HybPiper statistics. Summary of target enrichment and gene recovery efficiency for all 20 samples, output by HybPiper. The columns correspond respectively to: Individual name, Number of reads, Number of reads on target, Percent reads on target, Number of genes with reads, Number of genes with contigs, Number of genes with sequences, Number of genes with sequences > 25% of the target length, Number of genes with sequences > 50% of the target length, Number of genes with sequences > 75% of the target length, Number of genes with sequences > 150% of the target length, Number of genes with paralog warnings, as described in the HybPiper Wiki (<https://github.com/mossmatters/HybPiper/wiki>).

Individual_name	NumReads	ReadsMapped	PctOnTarget	GenesMapped	GenesWithContigs	GenesWithSeqs	GenesAt25pct	GenesAt50pct	GenesAt75pct	Genesat150pct	ParalogWarnings
Dypsis_mananjarensis	608264	446511	0.734	175	175	175	175	167	136	0	0
Orania_archboldiana	161324	75097	0.466	175	173	173	171	163	121	0	0
Orania_dafonsoroensis	97238	36356	0.374	175	171	171	164	135	68	0	0
Orania_deflexa	90360	40757	0.451	175	170	170	166	146	83	0	0
Orania_grandiflora	160277	64842	0.405	175	175	175	173	155	114	0	0
Orania_lauterbachiana_1	114398	52770	0.461	175	173	173	173	150	96	0	0
Orania_lauterbachiana_2	74025	37317	0.504	175	169	169	162	137	76	0	0
Orania_lauterbachiana_3	98522	44269	0.449	175	173	172	141	125	79	0	0
Orania_longisquama	127757	65372	0.512	175	174	173	171	158	116	0	0
Orania_macropetala	103903	46502	0.448	175	173	173	171	156	96	0	0
Orania_palindan_1	126187	50574	0.401	175	171	171	168	153	95	0	0
Orania_palindan_2	99584	44649	0.448	175	174	173	168	149	85	0	0
Orania_ravaka_1	202004	103481	0.512	175	172	172	168	147	93	0	0
Orania_ravaka_2	111105	58527	0.527	175	174	173	171	154	115	0	0
Orania_ravaka_3	625995	20357	0.033	174	125	121	107	57	19	0	0
Orania_sylvicola_1	111811	57085	0.511	175	173	173	170	156	112	0	0
Orania_sylvicola_2	104608	54541	0.521	175	171	171	169	156	114	0	0
Orania_tabubilensis	91003	34129	0.375	175	168	168	161	119	56	0	0
Orania_timikae	124912	60135	0.481	175	175	175	173	158	112	0	0
Orania_trispatha	94437	48609	0.515	175	171	171	167	153	100	0	0
Podococcus_acaulis	339028	193245	0.57	175	175	173	173	165	133	0	0
Podococcus_barteri_1	307506	151205	0.492	175	175	174	174	165	121	0	0
Podococcus_barteri_2	332553	182800	0.55	175	175	173	173	163	136	0	0
Sclerosperma_mannii_1	109444	80945	0.74	175	173	173	173	161	124	0	0
Sclerosperma_mannii_2	623311	24803	0.04	174	142	138	124	71	18	0	0
Sclerosperma_walker_1	341640	129767	0.38	175	174	174	173	168	140	0	0
Sclerosperma_walker_2	354375	132649	0.374	175	174	174	173	168	136	0	0