

query (locus)	code	sseqid	pident	length	mismatch	gapopen	gstart	gend	sstart	send	evalue	bitscore	interval	decisiveness	decisiveness (coded)
locus_11631_48	CODE_11631	Qrob_Chr01	98.8	83	1	0	1	83	13,176,967	13,177,049	2.00E-35	150		--	
locus_17927_52	CODE_17927	Qrob_Chr01	97.62	84	2	0	1	84	19,221,925	19,221,842	3.00E-34	147	6,044,876	0.889	*
newl_21880_27	CODE_21880	Qrob_Chr01	98.8	83	1	0	1	83	20,193,070	20,193,152	2.00E-35	150	971,228	1.000	***
locus_821_26	CODE_821_2	Qrob_Chr01	98.78	82	1	0	1	82	46,115,014	46,115,095	7.00E-35	148	25,921,862	0.500	
newl_17339_35	CODE_17339	Qrob_Chr01	92.94	85	6	0	1	85	48,520,073	48,520,157	8.00E-30	132	2,404,978	1.941	**
CL_42027_	CODE_42027	Qrob_Chr02	95.35	86	4	0	1	86	9,970,432	9,970,347	4.00E-33	143		1.912	**
CL_6426_61	CODE_6426_	Qrob_Chr02	98.84	86	1	0	1	86	14,587,946	14,587,861	5.00E-37	156	4,617,599	0.714	
locus_4492_52	CODE_4492_	Qrob_Chr02	96.34	82	3	0	1	82	23,799,476	23,799,395	2.00E-31	137	9,211,615	--	
locus_20180_49	CODE_20180	Qrob_Chr02	96.47	85	3	0	1	85	27,165,965	27,166,049	1.00E-33	145	3,366,570	0.081	
locus_3962_56	CODE_3962_	Qrob_Chr02	98.82	85	1	0	1	85	27,167,947	27,167,863	2.00E-36	154	1,898	0.050	
CL_49075_43	CODE_49075	Qrob_Chr02	98.84	86	1	0	1	86	47,108,031	47,107,946	5.00E-37	156	19,940,168	0.619	
CL_35240	CODE_35240	Qrob_Chr02	97.67	86	2	0	1	86	56,510,752	56,510,837	2.00E-35	150	9,402,806	2.039	**
locus_12538_49	CODE_12538	Qrob_Chr02	98.81	84	1	0	1	84	56,519,996	56,520,079	6.00E-36	152	9,159	2.000	***
locus_23517_52	CODE_23517	Qrob_Chr02	98.8	83	1	0	1	83	66,594,393	66,594,311	2.00E-35	150	10,074,314	--	
newl_23554	CODE_23554	Qrob_Chr02	94.05	84	5	0	1	84	71,855,615	71,855,532	6.00E-31	135	5,261,304	0.038	
locus_3169_44	CODE_3169_	Qrob_Chr02	98.8	83	1	0	3	85	75,538,958	75,538,876	2.00E-35	150	3,683,426	--	
locus_9121_49	CODE_9121_	Qrob_Chr02	98.78	82	1	0	1	82	92,388,633	92,388,552	7.00E-35	148	16,849,757	--	
CL_55087_32	CODE_55087	Qrob_Chr02	97.62	84	2	0	3	86	93,823,321	93,823,404	3.00E-34	147	1,434,769	1.149	*
locus_8059_35	CODE_8059_	Qrob_Chr03	98.82	85	1	0	1	85	29,861,974	29,862,058	2.00E-36	154		--	
CL_11069_58	CODE_11069	Qrob_Chr03	96.51	86	3	0	1	86	29,864,712	29,864,627	8.00E-35	148	2,654	0.814	*
locus_8717_53	CODE_8717_	Qrob_Chr03	98.82	85	1	0	1	85	38,119,351	38,119,435	2.00E-36	154	8,254,724	--	
locus_7123_50	CODE_7123_	Qrob_Chr03	98.8	83	1	0	1	83	40,295,713	40,295,795	2.00E-35	150	2,176,278	1.048	**
locus_5882_32	CODE_5882_	Qrob_Chr03	97.56	82	2	0	1	82	52,529,791	52,529,710	3.00E-33	143	12,233,996	--	
locus_8617_30	CODE_8617_	Qrob_Chr04	98.81	84	1	0	1	84	31,502,299	31,502,382	6.00E-36	152		1.019	**
locus_5229_56	CODE_5229_	Qrob_Chr05	96.47	85	3	0	1	85	51,629,254	51,629,338	4.00E-33	143		--	
locus_29214_32	CODE_29214	Qrob_Chr06	98.81	84	1	0	1	84	12,826,305	12,826,222	6.00E-36	152		2.000	***
locus_10977_45	CODE_10977	Qrob_Chr06	98.8	83	1	0	1	83	20,402,372	20,402,290	2.00E-35	150	7,576,150	6.894	
CL_54979_	CODE_54979	Qrob_Chr06	98.84	86	1	0	1	86	35,314,884	35,314,969	5.00E-37	156	14,912,594	1.352	
CL_12923_	CODE_12923	Qrob_Chr06	96.51	86	3	0	1	86	44,733,285	44,733,200	1.00E-33	145	9,418,316	0.955	**
locus_7834_43	CODE_7834_	Qrob_Chr06	97.56	82	2	0	1	82	45,755,887	45,755,968	3.00E-33	143	1,022,687	0.963	**
newl_27648_32	CODE_27648	Qrob_Chr07	95.18	83	4	0	1	83	12,518,857	12,518,939	4.00E-32	139		--	
locus_5482_34	CODE_5482_	Qrob_Chr07	98.78	82	1	0	1	82	25,689,968	25,690,049	7.00E-35	148	13,171,029	--	
locus_27412_25	CODE_27412	Qrob_Chr07	98.8	83	1	0	1	83	36,731,694	36,731,776	2.00E-35	150	11,041,645	--	
locus_30948_43	CODE_30948	Qrob_Chr08	98.82	85	1	0	1	85	966,048	966,132	2.00E-36	154		1.000	***
locus_5422_58	CODE_5422_	Qrob_Chr08	98.81	84	1	0	1	84	44,318,064	44,317,981	6.00E-36	152	43,351,932	--	
locus_26761_43	CODE_26761	Qrob_Chr08	97.44	78	2	0	1	78	51,097,661	51,097,738	5.00E-31	135	6,779,680	0.888	***
locus_24383_42	CODE_24383	Qrob_Chr08	97.65	85	2	0	1	85	60,722,233	60,722,317	8.00E-35	148	9,624,495	0.469	
locus_10104_41	CODE_10104	Qrob_Chr08	98.82	85	1	0	1	85	69,231,565	69,231,649	2.00E-36	154	8,509,248	1.971	**
locus_28457_43	CODE_28457	Qrob_Chr09	97.26	73	1	1	11	83	19,000,558	19,000,487	1.00E-27	124		1.024	**
newl_16979_31	CODE_16979	Qrob_Chr09	98.82	85	1	0	1	85	28,054,423	28,054,507	2.00E-36	154	9,053,936	0.606	
locus_1378_30	CODE_1378_	Qrob_Chr09	98.82	85	1	0	1	85	36,130,517	36,130,433	2.00E-36	154	8,076,010	1.000	***
locus_30512_25	CODE_30512	Qrob_Chr10	98.78	82	1	0	1	82	2,745,206	2,745,287	7.00E-35	148		0.988	**
locus_2085_53	CODE_2085_	Qrob_Chr10	97.59	83	2	0	1	83	35,662,229	35,662,311	9.00E-34	145	32,916,942	0.786	
locus_20667_37	CODE_20667	Qrob_Chr11	98.82	85	1	0	1	85	29,188,754	29,188,838	2.00E-36	154		--	
locus_14289_31	CODE_14289	Qrob_Chr11	98.81	84	1	0	1	84	38,205,258	38,205,175	6.00E-36	152	9,016,420	0.429	
CL_48165	CODE_48165	Qrob_Chr12	97.67	86	2	0	1	86	14,574,054	14,573,969	2.00E-35	150		2.000	***
locus_11302_50	CODE_11302	Qrob_Chr12	97.65	85	2	0	1	85	16,127,671	16,127,755	8.00E-35	148	1,553,702	1.010	**
locus_31722_39	CODE_31722	Qrob_Chr12	98.82	85	1	0	1	85	17,463,602	17,463,686	2.00E-36	154	1,335,847	1.000	***
locus_9837_55	CODE_9837_	Qrob_Chr12	97.62	84	2	0	1	84	20,507,495	20,507,578	7.00E-35	148	3,043,809	--	
newl_25158_45	CODE_25158	Qrob_Chr12	98.82	85	1	0	1	85	21,074,088	21,074,004	2.00E-36	154	566,510	0.692	
locus_26885_29	CODE_26885	Qrob_Chr12	98.78	82	1	0	1	82	21,077,370	21,077,289	7.00E-35	148	3,366	1.000	***
locus_792_52	CODE_792_5	Qrob_Chr12	96.43	84	3	0	1	84	21,130,157	21,130,074	1.00E-32	141	52,868	--	
locus_8226_51	CODE_8226_	Qrob_Chr12	97.59	83	2	0	1	83	21,138,061	21,137,979	9.00E-34	145	7,987	1.000	***
locus_25236_45	CODE_25236	Qrob_Chr12	98.82	85	1	0	1	85	21,228,137	21,228,221	2.00E-36	154	90,158	0.952	**
newl_15918_PM11_41	CODE_15918	Qrob_Chr12	95.35	86	3	1	1	86	24,062,779	24,062,863	5.00E-32	139	2,834,558	0.571	
locus_10802_36	CODE_10802	Qrob_Chr12	96.97	66	2	0	19	84	29,868,476	29,868,541	8.00E-25	115	5,805,613	--	
locus_17368_30	CODE_17368	Qrob_Chr12	98.81	84	1	0	1	84	35,358,670	35,358,753	6.00E-36	152	5,490,129	0.452	
CL_2457_32	CODE_2457_32	Qrob_Chr12	96.51	86	3	0	1	86	36,055,518	36,055,433	3.00E-34	147	696,765	3.385	
CL_2457_OAK-MOR-340_66	CODE_2457_66	Qrob_Chr12	97.67	86	2	0	1	86	36,055,518	36,055,433	6.00E-36	152	same locus	2.964	
locus_4850_29	CODE_4850_	Qrob_Chr12	98.82	85	1	0	1	85	39,175,916	39,175,832	2.00E-36	154	3,120,483	0.516	

query (locus)	code	sseqid	pident	length	mismatch	gapopen	qstart	qend	sstart	send	evaluate	bitscore	interval	diganostic of...	decisiveness
locus_3999_44	CODE_3999_	Qrob_Chr01	87.95	83	8	2	1	83	10092756	10092836	3.00E-19	97.1		Q. macrocarpa	1.002
locus_3999_44	CODE_3999_	Qrob_Chr01	88.89	81	7	1	1	81	10153914	10153992	2.00E-20	100	61,078	Q. macrocarpa	1.002
locus_3999_44	CODE_3999_	Qrob_Chr01	98.82	85	1	0	1	85	44805843	44805759	2.00E-36	154	34,651,851	Q. macrocarpa	1.002
locus_16087_43	CODE_16087_	Qrob_Chr02	95.24	84	4	0	1	84	2549794	2549711	6.00E-31	135		excluded	--
CL_49943_	CODE_49943_	Qrob_Chr02	97.67	86	2	0	1	86	50327122	50327037	6.00E-36	152	47,777,411	Q. macrocarpa	1.021
CL_24297_67	CODE_24297_	Qrob_Chr02	97.67	86	2	0	1	86	50867033	50867118	6.00E-36	152	539,996	almost no variation	0.048
CL_24297_67	CODE_24297_	Qrob_Chr02	97.67	86	2	0	1	86	50869339	50869424	6.00E-36	152	2,221	almost no variation	0.048
locus_16087_43	CODE_16087_	Qrob_Chr02	96.43	84	3	0	1	84	63629724	63629807	1.00E-32	141	12,760,300	excluded	--
locus_10809_46	CODE_10809_	Qrob_Chr04	96.25	80	3	0	4	83	31482391	31482312	2.00E-30	134		excluded	--
locus_3999_44	CODE_3999_	Qrob_Chr05	90	80	6	2	4	83	14458341	14458264	2.00E-21	104		Q. macrocarpa	1.002
locus_3999_44	CODE_3999_	Qrob_Chr05	87.5	80	8	1	4	83	35451032	35450955	1.00E-17	91.6	20,992,768	Q. macrocarpa	1.002
locus_10809_46	CODE_10809_	Qrob_Chr05	97.67	43	1	0	1	43	58024836	58024878	1.00E-12	75	22,573,881	excluded	--
locus_3999_44	CODE_3999_	Qrob_Chr08	88.61	79	7	2	5	83	25873284	25873208	3.00E-19	97.1		Q. macrocarpa	1.002
locus_3999_44	CODE_3999_	Qrob_Chr08	90.12	81	4	3	1	80	29157722	29157645	2.00E-21	104	3,284,514	Q. macrocarpa	1.002
locus_3999_44	CODE_3999_	Qrob_Chr08	87.95	83	8	2	1	83	32849749	32849669	8.00E-20	99	3,692,104	Q. macrocarpa	1.002
CL_45_63	CODE_45_6	Qrob_Chr08	97.67	86	2	0	1	86	35495194	35495109	6.00E-36	152	2,645,525	Q. stellata	--
CL_45_63	CODE_45_6	Qrob_Chr08	93.98	83	5	0	1	83	35502059	35501977	3.00E-29	130	6,950	Q. stellata	--
locus_27743_25	CODE_27743_	Qrob_Chr08	97.59	83	2	0	1	83	63966926	63966844	9.00E-34	145	28,464,949	Q. montana	1.000
locus_27743_25	CODE_27743_	Qrob_Chr08	98.8	83	1	0	1	83	63968015	63967933	2.00E-35	150	1,171	Q. montana	1.000
locus_3999_44	CODE_3999_	Qrob_Chr08	88.75	80	7	2	4	83	69934094	69934017	8.00E-20	99	5,966,161	Q. macrocarpa	1.002
locus_3999_44	CODE_3999_	Qrob_Chr09	90	80	6	1	4	83	39794794	39794871	2.00E-21	104		Q. macrocarpa	1.002
CL_49943_	CODE_49943_	Qrob_Chr10	93.1	87	5	1	1	86	40097372	40097458	3.00E-29	130		Q. macrocarpa	1.021
locus_3999_44	CODE_3999_	Qrob_Chr12	90	80	6	1	4	83	2968213	2968136	2.00E-21	104		Q. macrocarpa	1.002
locus_13856_44	CODE_13856_	Qrob_H2.3_Sc0000853	97.59	83	2	0	1	83	2,595	2,513	9.00E-34	145		little variation	0.556
locus_295_56	CODE_295_5	Qrob_H2.3_Sc0001112	96.47	85	1	1	1	83	41,922	42,006	1.00E-32	141		excluded	--

<u>query (locus)</u>	<u>code</u>	<u>decisiveness</u>
CL_18142_42	CODE_18142	1.769
CL_31994_43	CODE_31994	0.81
locus_2684_26	CODE_2684_	--
locus_28072_46	CODE_28072	--
locus_32208_54	CODE_32208	--
locus_4100_37	CODE_4100_	--
locus_461_36	CODE_461_3	0.869
locus_8104_38	CODE_8104_	0.762
newl_15225_27	CODE_15225	--
newl_20204_33	CODE_20204	1.587
newl_28982__61	CODE_28982	0.038

query (locus)	locusCode	macrocarpa	alba	muehlenbergii	prinoides	stellata	bicolor	michauxii	montana	Summed proportions (decisiveness)	HP	distFrom1
	Number of individuals	52	26	21	17	21	10	9	7	163		
locus_1378_30.G	CODE_1378_	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	1.000	*	0
locus_31722_39.A	CODE_31722_	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	1.000	*	0
locus_8226_51.A	CODE_8226_	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	1.000	*	0
locus_26885_29.T	CODE_26885_	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	1.000	*	0
locus_27743_25.A	CODE_27743_	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	1.000	*	0
locus_30948_43.A	CODE_30948_	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	1.000	*	0
newl_21880_OAKMOR575_27.A	CODE_21880_	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	1.000		0
locus_3999_44.T	CODE_3999_	0.933	0.019	0.000	0.000	0.000	0.050	0.000	0.000	1.002	*	0.002
locus_11302_50.T	CODE_11302_	0.981	0.000	0.000	0.029	0.000	0.000	0.000	0.000	1.010	*	0.01
locus_30512_25.C	CODE_30512_	0.000	0.000	0.000	0.059	0.000	0.000	0.000	0.929	0.988		0.012
locus_8617_30.T	CODE_8617_	0.019	0.000	0.000	0.000	0.000	1.000	0.000	0.000	1.019	*	0.019
CL_49943_OAKMOR249_41.T	CODE_49943_	0.952	0.019	0.000	0.000	0.000	0.050	0.000	0.000	1.021	*	0.021
locus_28457_43.A	CODE_28457_	0.000	0.000	0.000	0.000	0.024	0.000	0.000	1.000	1.024		0.024
locus_7834_43.A	CODE_7834_	0.000	0.019	0.000	0.000	0.000	0.000	0.944	0.000	0.963		0.037
CL_12923_OAKMOR340_48.G	CODE_12923_	0.000	0.000	0.000	0.000	0.905	0.050	0.000	0.000	0.955	*	0.045
locus_25236_45.T	CODE_25236_	0.000	0.000	0.000	0.000	0.952	0.000	0.000	0.000	0.952	*	0.048
locus_7123_50.G	CODE_7123_	0.048	0.000	0.000	0.000	0.000	0.000	1.000	0.000	1.048	*	0.048
CL_45_OAKMOR340_63.G	CODE_45_OA	0.000	0.000	0.048	0.000	0.857	0.000	0.000	0.000	0.905		0.095
locus_17927_52.G	CODE_17927_	0.000	0.000	0.000	0.000	0.000	0.000	0.889	0.000	0.889		0.111
locus_26761_43.G	CODE_26761_	0.019	0.019	0.000	0.000	0.000	0.850	0.000	0.000	0.888		0.112
locus_461_36.C	CODE_461_3	0.019	0.000	0.000	0.000	0.000	0.850	0.000	0.000	0.869		0.131
CL_55087_OAKMOR340_32.G	CODE_55087_	0.010	0.019	0.000	0.088	0.976	0.000	0.056	0.000	1.149	*	0.149
CL_11069_OAKMOR340_58.G	CODE_11069_	0.000	0.000	0.000	0.147	0.667	0.000	0.000	0.000	0.814		0.186
CL_31994_OAKMOR249_43.C	CODE_31994_	0.000	0.000	0.000	0.000	0.810	0.000	0.000	0.000	0.810		0.19
locus_2085_53.T	CODE_2085_	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.786	0.786		0.214
locus_8104_38.C	CODE_8104_	0.000	0.000	0.000	0.000	0.762	0.000	0.000	0.000	0.762		0.238
CL_6426_OAKMOR340_61.G	CODE_6426_	0.000	0.000	0.000	0.000	0.714	0.000	0.000	0.000	0.714		0.286
newl_25158_OAKMOR249_45.T	CODE_25158_	0.663	0.000	0.000	0.029	0.000	0.000	0.000	0.000	0.692		0.308
CL_54979_OAKMOR204_37.T	CODE_54979_	0.010	0.827	0.000	0.000	0.000	0.000	0.444	0.071	1.352	*	0.352
CL_49075_OAKMOR340_43.A	CODE_49075_	0.000	0.000	0.000	0.000	0.619	0.000	0.000	0.000	0.619		0.381
newl_16979_OAKMOR529_31.G	CODE_16979_	0.000	0.192	0.048	0.088	0.000	0.000	0.278	0.000	0.606		0.394
newl_15918_PM11_41.T	CODE_15918_	0.000	0.000	0.000	0.000	0.571	0.000	0.000	0.000	0.571		0.429
locus_13856_44.C	CODE_13856_	0.000	0.000	0.000	0.000	0.000	0.000	0.556	0.000	0.556		0.444
locus_4850_29.A	CODE_4850_	0.010	0.000	0.000	0.000	0.000	0.450	0.056	0.000	0.516		0.484
locus_821_26.C	CODE_821_2	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500		0.5
locus_24383_42.A	CODE_24383_	0.000	0.019	0.000	0.000	0.000	0.450	0.000	0.000	0.469		0.531
locus_17368_30.C	CODE_17368_	0.000	0.000	0.000	0.000	0.452	0.000	0.000	0.000	0.452		0.548
locus_14289_31.T	CODE_14289_	0.000	0.000	0.000	0.000	0.429	0.000	0.000	0.000	0.429		0.571
newl_20204_OAKMOR532_33.G	CODE_20204_	0.000	0.019	0.833	0.735	0.000	0.000	0.000	0.000	1.587		0.587
CL_18142_OAKMOR204_42.A	CODE_18142_	0.000	0.000	0.857	0.912	0.000	0.000	0.000	0.000	1.769		0.769
CL_42027_OAKMOR383_49.C	CODE_42027_	0.000	0.000	1.000	0.912	0.000	0.000	0.000	0.000	1.912		0.912
locus_20180_49.A	CODE_20180_	0.010	0.000	0.000	0.000	0.071	0.000	0.000	0.000	0.081		0.919
newl_17339_OAKMOR532_35.T	CODE_17339_	0.000	0.000	1.000	0.941	0.000	0.000	0.000	0.000	1.941		0.941
locus_3962_56.A	CODE_3962_	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.050		0.95
CL_24297_OAKMOR383_67.C	CODE_24297_	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.048		0.952
newl_23554_OAKMOR529_43.T	CODE_23554_	0.000	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.038		0.962
newl_28982_OAKMOR346_61.A	CODE_28982_	0.000	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.038		0.962
locus_10104_41.C	CODE_10104_	0.000	0.000	1.000	0.971	0.000	0.000	0.000	0.000	1.971		0.971
CL_48165_OAKMOR383_56.T	CODE_48165_	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	2.000	*	1
locus_12538_49.C	CODE_12538_	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	2.000	*	1
locus_29214_32.T	CODE_29214_	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	2.000	*	1
CL_35240_OAKMOR383_32.T	CODE_35240_	0.029	0.962	0.000	0.000	0.048	0.000	0.000	1.000	2.039	*	1.039
CL_2457_OAKMOR340_66.G	CODE_2457_66	0.000	0.750	0.000	0.000	0.857	0.000	0.500	0.857	2.964		1.964
CL_2457_PM145_32.G	CODE_2457_32	0.000	0.885	0.000	0.000	1.000	0.000	0.500	1.000	3.385		2.385
CL_2457_OAKMOR340_66.A	CODE_2457_66	0.885	0.058	0.714	0.706	0.000	0.800	0.389	0.000	3.552		2.552
CL_54979_OAKMOR204_37.G	CODE_54979_	0.990	0.135	0.905	0.235	0.714	1.000	0.111	0.500	4.590		3.59
CL_2457_PM145_32.A	CODE_2457_32	1.000	0.115	1.000	1.000	0.000	1.000	0.500	0.000	4.615		3.615
locus_1378_30.A	CODE_1378_	1.000	1.000	0.905	0.235	0.714	0.000	0.556	0.571	4.981		3.981
locus_20180_49.G	CODE_20180_	0.971	0.423	0.905	0.235	0.643	1.000	0.556	0.571	5.304		4.304
locus_13856_44.T	CODE_13856_	1.000	1.000	0.905	0.235	0.714	1.000	0.000	0.571	5.425		4.425
newl_17339_OAKMOR532_35.C	CODE_17339_	0.827	1.000	0.000	0.059	1.000	1.000	1.000	1.000	5.886		4.886
CL_42027_OAKMOR383_49.T	CODE_42027_	1.000	1.000	0.000	0.088	1.000	1.000	1.000	0.857	5.945		4.945
CL_35240_OAKMOR383_32.C	CODE_35240_	0.971	0.038	1.000	1.000	0.952	1.000	1.000	0.000	5.961		4.961
CL_48165_OAKMOR383_56.C	CODE_48165_	1.000	1.000	0.000	0.000	1.000	1.000	1.000	1.000	6.000		5
locus_12538_49.G	CODE_12538_	1.000	1.000	0.000	0.000	1.000	1.000	1.000	1.000	6.000		5
locus_29214_32.C	CODE_29214_	1.000	1.000	0.000	0.000	1.000	1.000	1.000	1.000	6.000		5
locus_10104_41.T	CODE_10104_	1.000	1.000	0.000	0.029	1.000	1.000	1.000	1.000	6.029		5.029
CL_18142_OAKMOR204_42.G	CODE_18142_	1.000	1.000	0.143	0.088	0.952	1.000	1.000	1.000	6.183		5.183
newl_20204_OAKMOR532_33.A	CODE_20204_	1.000	0.981	0.167	0.206	1.000	1.000	1.000	1.000	6.354		5.354
CL_55087_OAKMOR340_32.T	CODE_55087_	0.990	0.981	1.000	0.853	0.024	1.000	0.944	1.000	6.792		5.792
locus_11302_50.C	CODE_11302_	0.019	1.000	1.000	0.971	1.000	1.000	1.000	0.857	6.847		5.847
locus_10977_45.G	CODE_10977_	0.990	0.115	1.000	1.000	1.000	0.900	0.889	1.000	6.894	*	5.894
locus_7123_50.C	CODE_7123_	0.952	1.000	1.000	1.000	1.000	1.000	0.000	1.000	6.952		5.952
locus_28457_43.T	CODE_28457_	1.000	1.000	1.000	1.000	0.976	1.000	1.000	0.000	6.976		5.976
CL_49943_OAKMOR249_41.A	CODE_49943_	0.048	0.981	1.000	1.000	1.000	0.950	1.000	1.000	6.979		5.979
locus_3999_44.C	CODE_3999_	0.048	0.981	1.000	1.000	1.000	0.950	1.000	1.000	6.979		5.979
locus_8617_30.G	CODE_8617_	0.981	1.000	1.000	1.000	1.000	0.000	1.000	1.000	6.981		5.981
locus_31722_39.C	CODE_31722_	1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000	7.000		6
locus_8226_51.C	CODE_8226_	1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000	7.000		6
locus_26885_29.C	CODE_26885_	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	7.000		6
locus_27743_25.T	CODE_27743_	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	7.000		6
locus_30948_43.G	CODE_30948_	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	7.000		6
newl_21880_OAKMOR575_27.G	CODE_21880_	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	7.000		6
locus_25236_45.G	CODE_25236_	0.962	1.000	1.000	1.000	0.048	1.000	1.000	1.000	7.010		6.01
locus_30512_25.T	CODE_30512_	1.000	1.000	1.000	0.941	1.000	1.000	1.000	0.071	7.012		6.012
CL_45_OAKMOR340_63.C	CODE_45_OA	1.000	1.000	0.952	0.941	0.143	1.000	1.000	1.000	7.036		6.036
locus_7834_43.G	CODE_7834_	1.0										

CL_6426_OAKMOR340_61.A	CODE_6426_	1.000	1.000	1.000	1.000	0.286	1.000	1.000	1.000	7.286	6.286
newl_25158_OAKMOR249_45.G	CODE_25158	0.337	1.000	1.000	0.971	1.000	1.000	1.000	1.000	7.308	6.308
CL_49075_OAKMOR340_43.G	CODE_49075	1.000	1.000	1.000	1.000	0.381	1.000	1.000	1.000	7.381	6.381
newl_16979_OAKMOR529_31.A	CODE_16979	1.000	0.808	0.952	0.912	1.000	1.000	0.722	1.000	7.394	6.394
locus_24383_42.T	CODE_24383	0.981	0.981	1.000	0.941	0.952	0.550	1.000	1.000	7.405	6.405
locus_4850_29.G	CODE_4850_	0.990	1.000	1.000	1.000	1.000	0.550	0.944	1.000	7.484	6.484
locus_821_26.T	CODE_821_2	1.000	0.500	1.000	1.000	1.000	1.000	1.000	1.000	7.500	6.5
locus_17368_30.A	CODE_17368	1.000	1.000	1.000	1.000	0.548	1.000	1.000	1.000	7.548	6.548
locus_14289_31.C	CODE_14289	1.000	1.000	1.000	1.000	0.571	1.000	1.000	1.000	7.571	6.571
newl_28982_OAKMOR346_61.G	CODE_28982	1.000	0.885	1.000	1.000	1.000	1.000	1.000	1.000	7.885	6.885
locus_3962_56.G	CODE_3962_	1.000	1.000	1.000	1.000	1.000	0.950	1.000	1.000	7.950	6.95
CL_24297_OAKMOR383_67.T	CODE_24297	1.000	1.000	1.000	1.000	0.952	1.000	1.000	1.000	7.952	6.952
newl_23554_OAKMOR529_43.C	CODE_23554	1.000	0.962	1.000	1.000	1.000	1.000	1.000	1.000	7.962	6.962

Table3.snpsMapTable.formatted

<u>Query (locus)</u>	<u>LG</u>	<u>Start (bp)</u>	<u>Dist. (bp)</u>	<u>Decisiveness</u>
locus_11631_48	01	13176967		
locus_17927_52	01	19221925	6044876	*
newl_21880_27	01	20193070	971228	***
locus_821_26	01	46115014	25921862	
newl_17339_35	01	48520073	2404978	**
CL_42027_	02	9970432		**
CL_6426_61	02	14587946	4617599	
locus_4492_52	02	23799476	9211615	
locus_20180_49	02	27165965	3366570	
locus_3962_56	02	27167947	1898	
CL_49075_43	02	47108031	19940168	
CL_35240	02	56510752	9402806	**
locus_12538_49	02	56519996	9159	***
locus_23517_52	02	66594393	10074314	
newl_23554_	02	71855615	5261304	
locus_3169_44	02	75538958	3683426	
locus_9121_49	02	92388633	16849757	
CL_55087__32	02	93823321	1434769	*
locus_8059_35	03	29861974		
CL_11069_58	03	29864712	2654	*
locus_8717_53	03	38119351	8254724	
locus_7123_50	03	40295713	2176278	**
locus_5882_32	03	52529791	12233996	
locus_8617_30	04	31502299		**
locus_5229_56	05	51629254		
locus_29214_32	06	12826305		***
locus_10977_45	06	20402372	7576150	
CL_54979_	06	35314884	14912594	
CL_12923_	06	44733285	9418316	**
locus_7834_43	06	45755887	1022687	**
newl_27648_32	07	12518857		
locus_5482_34	07	25689968	13171029	
locus_27412_25	07	36731694	11041645	
locus_30948_43	08	966048		***
locus_5422_58	08	44318064	43351932	
locus_26761_43	08	51097661	6779680	***
locus_24383_42	08	60722233	9624495	
locus_10104_41	08	69231565	8509248	**
locus_28457_43	09	19000558		**
newl_16979_31	09	28054423	9053936	
locus_1378_30	09	36130517	8076010	***
locus_30512_25	10	2745206		**
locus_2085_53	10	35662229	32916942	

Table3.snpsMapTable.formatted

locus_20667_37	11	29188754		
locus_14289_31	11	38205258	9016420	
CL_48165	12	14574054		***
locus_11302_50	12	16127671	1553702	**
locus_31722_39	12	17463602	1335847	***
locus_9837_55	12	20507495	3043809	
newl_25158_45	12	21074088	566510	
locus_26885_29	12	21077370	3366	***
locus_792_52	12	21130157	52868	
locus_8226_51	12	21138061	7987	***
locus_25236_45	12	21228137	90158	**
newl_15918_PM11_41	12	24062779	2834558	
locus_10802_36	12	29868476	5805613	
locus_17368_30	12	35358670	5490129	
CL_2457_32	12	36055518	696765	
CL_2457_OAK-MOR-340_66	12	36055518	same locus	
locus_4850_29	12	39175916	3120483	

<u>query (locus)</u>	<u>species</u>	<u>sequence</u>
locus_5882_32	Q. alba	TGGCATCACTTGAACCCAAAAATGGATTATGRTAATAGAAAATTTTCTTCCAATTTTTATCCTTTTAAAAAGCATCATTTTTT
locus_821_26	Q. alba	ATGTTACTTGTGCCAACCCACATCYAACAAATTCATCAACTCAAATTCAGTTAAAGATAATGCATCCTGAAAGCAAACAAC
locus_10977_45	Q. alba	CATTGCCAAAAGGAGGTGCAGCAAAAATGACATCTCGAAGTGGARGCTCAGCAAAAACAGCTTTTTCTGTATCTTCGAATTGC
CL_54979_37	Q. alba/ Q. michauxii	TTAAGCCAGTCCCATTCAAGGCCGATGKTATGCACATTGGGGTGTATTCTAAATGGAATTTAACCAGGAGAAGTGGGGGTGAC
CL_35240_32	Q. alba/Q. montana	GAATATGCGGATGTTGTTTCCAGYTACTTCTCACCATTCCCTGCATAATTTCTACTGTCTACTGGAATCCCTCTCATTCTGATA
locus_295_56	Q. austrina	CAAATTAACAAAAGGTATAAAAAGACAGTTTTTCTGAGTCTCTCTCTATTGACAYTCAATAGCACATTTCTGGCAGAGCTTAGA
locus_5422_58	Q. austrina	ATGGGATCCTTTTGGGAGGCATTTCTGGTCTGATGAGTTCATAATTTTCTGAGACMTATTCTTCTCCTTTTGTACTCTTTTT
locus_20180_49	Q. austrina	CTAGAGAATATCTTTGATTTTTAGTTTTAGAAAGGGAAGCTAARGATTTAAGGATGGCGGCTACCCTATGAATACTTTCAAGAAG
locus_11631_48	Q. austrina	CAAGCTTTTAAACCAAGGATGCCCGAGTCTGTGGTCAAYCTTCAAGCCCTATTCCACCATCTTGCACCCCTCGCGGACCCA
locus_3169_44	Q. austrina	TAGAAGGCATAGCTTGCACTATTAAATCATCGATTGATGTATRAAGGGGTTAAACAAAATGAAAGATTTTATGCATACCTTGT
locus_24383_42	Q. bicolor	AGAAAGCAGAAAATGAATAGTTAAAGCTGAAGTCAAGGTTGAWGCCCTTTTTTGTAAATTTATGGATAATTGGAAGATTGGTTTC
locus_26761_43	Q. bicolor	CGTAATTTTGAAGTTACAACACATCATGGCCTGCATTGGACRCAATCATCTGGTGTCAAATTTGGTCCAGTATAAT
locus_461_36	Q. bicolor	GTTTTATCATTCCCCATCTGGCCACAATTAATAGAYGGAGTTATTCAAATGTTTAACTATTCTCATACCTAGACAAAACAGAC
locus_4850_29	Q. bicolor	CAATGTTGGCAAAGTATTCTGATCCATTGTATATACAGGACCTATACGGGTGAGAACAGGCCATGAGATCTTGCATTTCTTC
locus_1378_30	Q. bicolor	ACTTTGATATGATGATCCAGATAGAATGCRGTAGAAAAGTAAATTTTTTCCAGAACCGCATCTGGAATCATCTCACCATTTACAA
locus_2684_26	Q. chapmanii	AATCGCAGATGGGCTGGCGGCTTTSAATGACGGTGTCCAATTTGGCCCAAGTTATTTGGGTCATCTTATTCACCGGATTTAGG
locus_8059_35	Q. lyrata	GAAAGGAGTTCCATTAGGCATGCTTTCCCCCTGTGCTCTTCTCCCTATCCCTAGCACCTGTGAAGACATGCAGCAACCATA
locus_9121_49	Q. lyrata	AAGCCAAATTTTATAGCATAAAGATAACTGAGGACAGAATCAAACCAYTTCAAGTAAGATGACATATTATAAGAGATATAA
locus_3962_56	Q. lyrata	AGCCTTGAGGATCTTGATTCTTACTTTCTAAATGCTTCAAGAAATGATCCAGGARCTCAGTTGAATCAATGAAAGGAAAGATC
locus_8617_30	Q. lyrata/bicolor	TTATCAACCCAAGAAACAACTCCTTGAAGAGGAAAATAGTTTTACTTTTATTTAAATCGCTAATTCAATAATGAAACCTGCA
newl_25158_45	Q. macrocarpa	CACCAGTCTTTCTTGTGTTGGGTTTTAGTGGTTCAGTGGTGCCTTGKTTATCAGTATGCCAAGGTAATGTAATATTATTTCCCTA
locus_3999_44	Q. macrocarpa	TAGTTTTTCTGATATATGTTTTTGTCTATAACCTTTTAAAYCTGTTGTTGATTAATATATGAGATATATTAATTTGTTC
locus_11302_50	Q. macrocarpa	AATACCACAAATTTGAAAGATATAAGTCCCTCTTCTTAACTTTCTTCYGCCATGGGTCTCATACCCCTCTCGATTTTA
CL_49943_41	Q. macrocarpa	GCTTTTTTGGTTTCAACATACATTTGTGTACCTTWTGTTTTGAATTAAGTAGTNTTGGACATGGACAGGATTACAGCTTTAG
locus_7834_43	Q. michauxii	CACATGGACAATTTTAAAGCCCAATGCATCAAGCTGAGCAGGRAACTGAGAAAGATCAGTTGGCTTTCCTTGTCTTTTTGACC
locus_10809_46	Q. michauxii	GTCCGGTCCGGGCTAAGAAACCCGACCCATTGCCATTCTAAGYCTAGGAATCAACTACTCCAAACAACAATTGGGGGTAA
locus_17927_52	Q. michauxii	CATAAAGTCTTTGCGAAGAATATGCCGCACCCATGCAATGCAGATGCTACRGCATATGCATACCTTAATTTGACAAAGAAATG
locus_8226_51	Q. michauxii	TTGTACATTGCCCTTTTCTGAGTTGTTGATAAAACCGTTTGAAGTCTGTTTATTGACTTCTCGACACCTATCATAAATCAT
locus_31722_39	Q. michauxii	GAACACCATCTTCTTCAAGTACAAAATTTGAGTCCAAMTTACATTAGTTCCATACTGGAATAAAAAATTGGTCCATTCTCATAATA
locus_28072_46	Q. michauxii	TAAATTTTCTGCATATTTATGTTTAAATCGTCTTTTACGATGTGRATATGTTTAGAGATTCGTGGCATTGTTTTAAATGGGAC
locus_7123_50	Q. michauxii	CAGAAAGTACATAAGACTTGTAAATGTAATAAATACAAAGTCAAAGSTTGCCCAAGAATGCATGTTGCAAGAAAGAAATACC
locus_13856_44	Q. michauxii	AACCTTTCAAGATGGTGTGTAACATAATGAAACCGACCTAGAYATAAAAAATACCTACAGTAATGCTCCACAGAGTGCCTGGT
locus_30512_25	Q. montana	TGCCCTTCTCTTCTCTCAGCYTTTTCTACTTCTTCTCTAGCTCTCTCCACATGTGCTTGCAGTGGCAACTCAGAC
locus_2085_53	Q. montana	ATCTAAGTCAAGAAACTCAAAGCTATGATTATGACATCCATCTTCCACTGTYTACTTAACATGCAGCTCCAGGCCATGATAA
locus_30948_43	Q. montana	TGTTGGGACATCCACGGGAGAAGATAAGGATGAAGAATTTARTGGGAGAGTTTCAAGTAATCCACTCAAAGAGTACGCAAGG
locus_26885_29	Q. montana	CCTGGCTATCATCTAAAACGGTGGACYTCATCTCTTTTCTGTCAGAACTTGGTCAAATTTCTGTACACATATATTCTG
locus_27743_25	Q. montana	TCTAAGGAATCGCAAGTACTTCCFWGATTTTCCCTACACATGAAATACC AAAATCATAAGTAAATTCCTGTTGAAGACTAATC
newl_21880_27	Q. montana	ACTGGACTGGCTGCCATAAATTTTCTCATATAGCATCGAGCCTTTCAAGGATTTTACAATTTGGTATTCAAAGTGTCTCA
locus_28457_43	Q. montana	AACATATATAATAGTATAAATACATCATTCTGCGTTATTCTTCTTWTATTGCTGGCTATGCTTAGAAAATATCCAGGAGC
locus_5482_34	Q. montana	CATCAGCTTCTATTTATCTATACACCATTCTTGYATTGTGAGGATGGCTGTGTGGCATCTTCCAGATTCTTGGCGTTGAC
CL_18142_42	Q. muehlenbergii_prinoides	AATTTCTTTTTCTCTGGTTCCTTTCCTTTTGRTTTTCTTTCCTTTCCCCCTTAGATTGCAAGAAAATCACTGTTTAGT
newl_20204_33	Q. muehlenbergii_prinoides	CTGTTCTGTAATGTTATGTGGTTGACTTGAARGATGAAAATTTCTGTAATGCATGTATNATACAGGATTAATAATATGCCT
CL_42027_49	Q. muehlenbergii_prinoides	TACAAGATCAGATATTTCAATGAATNATAAAGAACAATNYTAAATCAACAGTACGAGCTCTCATGATTCAAAGAAACC
locus_12538_49	Q. muehlenbergii_prinoides	ATTCAGGTTCTTTGCCCTTCTCATTGATCATCTATCCAGGGAAAGSTTTTAGATCCATAGTCATCGTCTTTGAGGGCCATA
locus_29214_32	Q. muehlenbergii_prinoides	TCAGGCCCTATGATGGTAATATTGTTATGAAATGTCACCCTTTGTGTTTACCATTTTGTATTCTTTTATAAATGAAACATTAGC
CL_48165_56	Q. muehlenbergii_prinoides	TTGCTTATATCATCAGGAATATGGCAACAAGGTGGAGATTGTGCAATCYAGAATGAGAAGCAGCTCTATGCTTCCCACTCCT
newl_17339_35	Q. muehlenbergii_prinoides	CGAGTATAGCTTCGCTAATAGAACATATGGCNTYATCTTGGCAGCAACCTTTTACGAAGAAATGTCCTAAGGGATTTAGGAT
locus_10104_41	Q. muehlenbergii_prinoides	AAGGAGATGAACATTCATCTGATCTTCTGCTGTTCTGTYAGTTGACTTTGCTTGTCTATATGACATGTCATGATTTTCTCTG
locus_4100_37	Q. oglethorpensis	AAATTTTATTAGCTTCTGCAATCAGAAAACGACTGATKCCCAGTAAAAGCTCAGGTGAAAAGAGATGAGAATTTAGGAATTTG
locus_4492_52	Q. oglethorpensis	AACAAAAGTTGAAGCAGGGTAGAGTGCCAGCAATAAATTTCTGCTTRTCTTTTATCAAGTAATGACAGTGGAATTACAAGT
locus_16087_43	Q. oglethorpensis	CCTTGGTACGTTTGTAAATTAATTTTCCAGTGGACCTAARCAGCTTAGTCTGCTGCCAATCATGGCATCATAGACACTA
locus_32208_54	Q. oglethorpensis	TCCCTTCAAGTCAATTTTGAATCAATAACTGCAACAAATAGTAATCTTATARTAATTTGGCTAGAAATGCATGCAATCAGTGGGT
locus_8717_53	Q. sinuata	TAATAGCTCAATATTGTGGACAAGCAGCTACTCAGGAAATTTCCAGAGAAAGTGTCTAATACGTTCTACGACTCCATACCAGG
locus_20667_37	Q. sinuata	TCGGAACAATAGGCAAAGTGGGCAAGAAATTTGGCAAYAAAAGAGAGAACCTCAGGTATTGGCCATTGGGTCTCACAATATCAGA
locus_5229_56	Q. sinuata	TGAGCCACTTAAAAATGGGGACCAATGAGGGAGTGAGGAAAAATAGAGCACTGCTRTTGTGGATTTCGATTTCAAGGGCTAAGGC
locus_792_52	Q. sinuata	AACCAGGTAACATTAACAAATTAAGGTTCTGTGTGCTGCAATGTAATATGTMATTTTGAATGTACAGGTAAGTAAACAGTGCC
locus_9837_55	Q. sinuata	TGTTGCATCCCAATGTCCAACAGCTANATGCCCATGCTTATCTATGAGAAGAMCTGAGCTATCAAACCTCAGGCTCTTCTCA
locus_23517_52	Q. sinuata	AACCAGCGGTCGAATTTCCAATAAAGTCCAACCTTGTAAGGCTTATCTGCCSTGGTCAGACCTAGACTGACCCATATTTCTGT
locus_27412_25	Q. sinuata	ACGAAGTTTGAAGGCTGGCTACWAGGGAAGCTCCCAAGGGCATGATGATTTGTTTACACCAACAAGAACATGAAGAGG
locus_10802_36	Q. sinuata	AACTTTCTTACTGACATTTGACATCTGTTATCTTTCATTCATCAGACTTGNCTCCAAACTTCTCTGTAAGTTTACCAT
CL_2457_32	Q. stellata	CAATATCTCTGCAAGCTTCTCTGCCRCTTCCGGCTTTTCTGCTGACTCATCAGCATCCCTNCCATTAAGTACATATGATTAAAGAA
locus_17368_30	Q. stellata	GATTGATGGTTTTCATGTGACCCAAAAGTAAAMAACGACCTTTAGCCCCCACCATATGATGTGGGTGATCAACTTGTGAAGTTGTGT
CL_49075_43	Q. stellata	GCTGAGTTGCTTCTAAAACCTTCCAGCTCACCTAGRAACATAACCTCCTTAGAATTTTCGTAATTTGGCCAAATTTTGTAGTAAA
CL_6426_61	Q. stellata	TAGCTTACATAGCAAGAGTCTGCTCGTTTGTCTGAGTGAACCAACGACCTGATCRAGGTTTCAATATAACAAGGTTAATTCAGAA
locus_14289_31	Q. stellata	ATTTGCTCTGTTGGTAAAGCTTCCGAACAYGCTCACTATAGAAAATCTTTACTTATTGTTGGGACCCCATCTTCCATGTACG
CL_11069_58	Q. stellata	CAAGTCAATTGCTAAAGTTGAGGATGATTTCCATGAAATGCAAGANCTGANRGTTCGTGCAGAAGCTGCTGACGTTGCAAAATCT
CL_45_63	Q. stellata	CAACTGATACGTTGGTCAGATTGGCATAATAACNTCTGTGCCACCGTCAAGTACGTATCSCCTGAATGAACCGTGTACTCAAACATGT
newl_15918_PM11_41	Q. stellata	GTTGATCTTATCTGAGTGAAGGGNCCCAACCATGANYYTGTGTTTCTGTCATCAAATTTGCTATGTAATCATTGATTTTT
CL_55087_32	Q. stellata	CGACCAAGCTACAATGCTTCAGGGTAKTCTCTCTCCTGCTATACTAATGTTGCACCTTCCCTGTCTTGCATTCGTTAAATGTTT
CL_24297_67	Q. stellata	ATGAGGTACCCGATTATACCACGACNACAATCAAGGGACCAAGGTGAAGATATTTGATTAYGATGAAGAGGTTGGAGATAGTGT
CL_2457_OAK-MOR-340_66	Q. stellata	CAATATCTCTGCAAGCTTCTCTGCCNCTCAGCTTTTCTGGCTGACTCATCAGCATCCCTTCATTAAGTACATATGATTAAAGAA
locus_8104_38	Q. stellata	TATTTGGGAGGTCAAAGAGTTCAATGCTCCTTCTCCACCTGCTGACTGACTGTAGGTTGGGTTGAAGGGTTGGAAATATGTCACAT
CL_12923_48	Q. stellata	GAGGACGAAGTCTGGTTCAATGGGTAAAGACTGCCACCTTARTTTCAATTTTCATGTTACTGATGTTGATGGGATTTCCGGCCTT
newl_15225_27	East Asian white oaks	ATCAAGGAGGGCTGCTTTTCTTTGTRGGACGGCTGTTGGGAGAGATCTTGAMCAATGAAAATCTTCAA AAAAGAGGTATC
newl_23554_43	East Asian white oaks	ATCAACGCCATCATTCTTTCTGCKRGTAGRGTATTACCATGYTTTTTTGTGCCACACAAGGATCCGCTTTCTTGAATATCACA
newl_27648_32	East Asian white oaks	ACAACCCATTCTCCTGCAATAAAACGACARTTAAAYATCATTCAATTTACYRCTGTCTTCAATTAATTTAGTTAAGAGGTAT
newl_16979_31	East Asian white oaks	CTACAGTAGAGGCTATTTTGTGCAAGCARATAGACCTTATTAAGTCTCACTAATGGAAGCAACACCCCTCGACCCTAGATC
newl_28982_61	European white oaks	TGAGCCTGCTGTGATAGAGATNNTNCCCCCCAGAAGCTGTTATTGTGCCAGTTGCACTRCTTTGGGGTTTTAGATCACCAATATA
CL_31994_43	Clade 1	CATCAGCATTTTGGTATCATGGATCAACTCACTCCCAAGACTTAAACCAATTAGGTAGTGTGCTGCTGAAGTCCAAAGCCGTGAAACC
locus_25236_45	Clade 1	TTTCTGTTTATCTACTTGTCTCTCTTTTATCTTATTTTATKATTTAATCTTTATAAACACTATCCTAAACAAAGAGATGATTC