

Table S1. Cross-species transferability of developed gSSRs markers in different *Dalbergia* species

[illegible]

Dhup141	√	√	√	√	√	√	√	√	√	100.00%
Dhup142	×	×	×	×	×	×	×	×	×	0.00%
Dhup144	√	×	×	√	×	√	√	×	×	44.44%
Dhup153	×	×	×	√	×	×	×	×	√	22.22%
Dhup159	√	×	×	×	√	×	√	×	×	33.33%
Dhup163	√	√	√	×	√	√	×	√	×	66.67%
Dhup164	√	√	√	√	√	√	√	√	√	100.00%
Dhup167	×	×	×	×	√	√	√	×	×	33.33%
Dhup171	×	×	×	×	×	×	√	×	×	11.11%
Dhup181	√	×	√	×	√	√	√	√	×	66.67%
Dhup183	×	×	×	×	×	√	√	×	×	22.22%
Dhup185	×	√	√	×	×	√	√	√	√	66.67%
Dhup191	×	×	×	×	×	×	√	×	×	11.11%
Dhup194	×	×	√	×	√	×	√	×	×	33.33%
Total	20	18	18	16	23	22	26	16	15	-

‘√’ indicated expected amplicon is present; ‘×’ indicated expected amplicon is absent.

Table S2. Parameters of genetic diversity for *D. hupeana* populations at loci level

Locus	DJY (n=30)							JY (n=30)							XX (n=30)						
	<i>N_a</i>	<i>N_e</i>	<i>I</i>	<i>H_o</i>	<i>H_e</i>	<i>uH_e</i>	PIC	<i>N_a</i>	<i>N_e</i>	<i>I</i>	<i>H_o</i>	<i>H_e</i>	<i>uH_e</i>	PIC	<i>N_a</i>	<i>N_e</i>	<i>I</i>	<i>H_o</i>	<i>H_e</i>	<i>uH_e</i>	PIC
Dhup14	4	2.236	0.952	0.333	0.553	0.562	0.471	4	3.947	1.379	0.333	0.747	0.759	0.699	5	4.615	1.566	0.333	0.783	0.797	0.748
Dhup61	6	3.896	1.490	0.700	0.743	0.756	0.703	5	2.616	1.171	0.633	0.618	0.628	0.567	7	5.556	1.826	0.767	0.820	0.834	0.797
Dhup64	8	5.056	1.838	0.200	0.802	0.816	0.780	7	4.286	1.620	0.400	0.767	0.780	0.733	10	5.143	1.910	0.367	0.806	0.819	0.784
Dhup70	4	1.522	0.684	0.067	0.343	0.349	0.321	5	1.915	0.959	0.167	0.478	0.486	0.446	6	1.895	0.960	0.167	0.472	0.480	0.435
Dhup78	6	4.091	1.525	0.667	0.756	0.768	0.716	8	5.128	1.812	0.967	0.805	0.819	0.779	9	6.250	1.950	0.933	0.840	0.854	0.820
Dhup89	9	4.905	1.801	0.133	0.796	0.810	0.768	6	4.545	1.624	0.533	0.780	0.793	0.747	10	7.895	2.154	0.133	0.873	0.888	0.860
Dhup90	7	4.390	1.647	0.633	0.772	0.785	0.740	5	3.220	1.312	0.533	0.689	0.701	0.634	10	4.206	1.758	0.567	0.762	0.775	0.737
Dhup104	6	2.773	1.253	0.100	0.639	0.650	0.582	9	2.752	1.426	0.167	0.637	0.647	0.608	9	3.061	1.436	0.100	0.673	0.685	0.618
Dhup106	12	6.377	2.101	0.538	0.843	0.860	0.826	13	6.897	2.189	0.333	0.855	0.869	0.840	18	6.122	2.380	0.300	0.837	0.851	0.828
Dhup108	6	4.317	1.603	0.467	0.768	0.781	0.736	12	7.759	2.233	0.200	0.871	0.886	0.858	7	4.986	1.746	0.533	0.799	0.813	0.772
Dhup114	5	2.123	1.023	0.367	0.529	0.538	0.487	4	1.734	0.722	0.300	0.423	0.431	0.358	7	3.279	1.447	0.267	0.695	0.707	0.658
Dhup115	6	2.799	1.294	0.500	0.643	0.654	0.599	5	3.000	1.240	0.467	0.667	0.678	0.607	10	6.691	2.099	0.600	0.851	0.865	0.836
Dhup116	6	3.125	1.323	0.733	0.680	0.692	0.625	6	2.490	1.266	0.667	0.598	0.608	0.567	5	3.025	1.306	0.600	0.669	0.681	0.625
Dhup118	4	1.636	0.766	0.333	0.389	0.395	0.361	4	1.575	0.723	0.333	0.365	0.371	0.339	5	2.086	1.045	0.167	0.521	0.529	0.489
Dhup120	6	3.543	1.434	0.400	0.718	0.730	0.673	8	4.045	1.671	0.367	0.753	0.766	0.721	8	5.325	1.810	0.500	0.812	0.826	0.786
Dhup122	4	1.647	0.791	0.367	0.393	0.399	0.370	3	2.299	0.937	0.467	0.565	0.575	0.489	7	2.736	1.283	0.400	0.634	0.645	0.580
Dhup123	6	3.982	1.496	0.533	0.749	0.762	0.705	4	2.866	1.198	0.267	0.651	0.662	0.597	11	6.081	2.008	0.667	0.836	0.850	0.816
Dhup125	7	4.091	1.555	0.533	0.756	0.768	0.715	6	3.346	1.399	0.200	0.701	0.713	0.657	7	3.905	1.608	0.267	0.744	0.756	0.715
Dhup129	2	1.342	0.423	0.233	0.255	0.259	0.222	3	1.462	0.603	0.267	0.316	0.321	0.293	6	1.603	0.862	0.300	0.376	0.382	0.363
Dhup130	8	5.422	1.846	0.367	0.816	0.829	0.792	5	4.119	1.518	0.100	0.757	0.770	0.722	15	8.911	2.391	0.433	0.888	0.903	0.878
Dhup132	9	6.102	1.972	0.500	0.836	0.850	0.817	7	3.482	1.572	0.433	0.713	0.725	0.686	13	7.087	2.199	0.533	0.859	0.873	0.845
Dhup133	16	6.923	2.300	0.467	0.856	0.870	0.842	17	10.651	2.573	0.767	0.906	0.921	0.899	13	6.122	2.146	0.433	0.837	0.851	0.821
Dhup139	4	2.667	1.166	0.433	0.625	0.636	0.578	5	2.659	1.153	0.500	0.624	0.634	0.562	6	3.607	1.452	0.433	0.723	0.735	0.679

Dhup141	5	2.476	1.102	0.633	0.596	0.606	0.533	4	2.786	1.106	0.467	0.641	0.652	0.569	5	2.013	1.035	0.267	0.503	0.512	0.475
Dhup142	5	1.472	0.691	0.033	0.321	0.326	0.304	3	1.985	0.779	0.100	0.496	0.505	0.402	6	2.105	1.005	0.100	0.525	0.534	0.465
Dhup144	7	3.888	1.578	0.267	0.743	0.755	0.709	8	4.286	1.702	0.267	0.767	0.780	0.736	10	7.258	2.119	0.433	0.862	0.877	0.848
Dhup153	13	7.087	2.215	0.833	0.859	0.873	0.845	12	5.471	2.060	0.800	0.817	0.831	0.800	15	10.465	2.502	0.800	0.904	0.920	0.897
Dhup159	8	4.176	1.641	0.500	0.761	0.773	0.724	6	1.833	0.937	0.233	0.454	0.462	0.421	9	3.147	1.479	0.167	0.682	0.694	0.637
Dhup163	6	3.564	1.442	0.400	0.719	0.732	0.674	7	3.600	1.568	0.633	0.722	0.734	0.694	9	5.357	1.896	0.800	0.813	0.827	0.792
Dhup164	5	2.975	1.243	0.600	0.664	0.675	0.605	4	2.980	1.170	0.267	0.664	0.676	0.597	4	3.030	1.202	0.400	0.670	0.681	0.610
Dhup167	7	2.956	1.312	0.633	0.662	0.673	0.603	5	2.616	1.189	0.767	0.618	0.628	0.567	4	3.010	1.233	0.400	0.668	0.679	0.617
Dhup171	5	3.035	1.288	0.100	0.671	0.682	0.618	4	2.667	1.127	0.200	0.625	0.636	0.559	6	4.455	1.600	0.233	0.776	0.789	0.741
Dhup181	6	3.220	1.394	0.500	0.689	0.701	0.646	6	4.511	1.602	0.400	0.778	0.792	0.745	7	4.511	1.665	0.367	0.778	0.792	0.746
Dhup183	7	2.871	1.422	0.600	0.652	0.663	0.623	5	1.471	0.682	0.167	0.320	0.325	0.303	14	3.814	1.809	0.433	0.738	0.750	0.712
Dhup185	13	6.522	2.246	0.367	0.847	0.861	0.836	10	5.960	1.976	0.600	0.832	0.846	0.812	15	5.941	2.182	0.367	0.832	0.846	0.817
Dhup191	6	4.176	1.608	0.233	0.761	0.773	0.731	6	3.321	1.448	0.367	0.699	0.711	0.664	6	3.482	1.437	0.133	0.713	0.725	0.674
Dhup194	6	3.629	1.452	0.533	0.724	0.737	0.679	5	2.880	1.265	0.433	0.653	0.664	0.606	7	4.972	1.745	0.200	0.799	0.812	0.771
Mean	6.757	3.703	1.430	0.428	0.674	0.685	0.637	6.378	3.599	1.376	0.408	0.659	0.670	0.618	8.676	4.696	1.682	0.403	0.740	0.752	0.711

Note: N_a = number of alleles, N_e = effective number of alleles, I =Shannon's information index, H_o =observed heterozygosity, H_e =expected heterozygosity, uH_e = unbiased expected heterozygosity
PIC=polyomorphic information content.

Table S3. Parameters of genetic diversity for *D. balansae* and *D. polyadelpha* populations at loci level

Locus	<i>D. balansae</i> (n=27)							Locus	<i>D. polyadelpha</i> (n=27)						
	N_a	N_e	I	H_o	H_e	uH_e	PIC		N_a	N_e	I	H_o	H_e	uH_e	PIC
Dhup14	4	1.417	0.616	0.185	0.294	0.300	0.278	<i>Dhup14</i>	3	1.303	0.463	0.259	0.233	0.237	0.217
Dhup61	6	4.109	1.546	0.885	0.757	0.771	0.720	<i>Dhup61</i>	4	2.348	1.032	0.704	0.574	0.585	0.509
Dhup64	9	4.812	1.810	0.407	0.792	0.807	0.765	<i>Dhup64</i>	5	3.233	1.317	0.444	0.691	0.704	0.641
Dhup70	4	1.655	0.759	0.111	0.396	0.403	0.363	<i>Dhup70</i>	3	1.078	0.184	0.074	0.072	0.073	0.071
Dhup78	-	-	-	-	-	-	-	<i>Dhup78</i>	2	1.117	0.215	0.037	0.105	0.107	0.099
Dhup90	8	3.953	1.610	0.769	0.747	0.762	0.709	<i>Dhup90</i>	3	2.219	0.868	0.852	0.549	0.560	0.448
Dhup104	15	6.910	2.320	0.556	0.855	0.871	0.845	<i>Dhup104</i>	10	7.839	2.138	0.519	0.872	0.889	0.859
Dhup108	15	11.267	2.543	0.846	0.911	0.929	0.904	<i>Dhup108</i>	5	2.585	1.106	0.519	0.613	0.625	0.542
Dhup114	9	2.730	1.453	0.185	0.634	0.646	0.609	<i>Dhup114</i>	11	5.855	1.988	0.630	0.829	0.845	0.808
Dhup116	10	4.220	1.828	0.542	0.763	0.779	0.744	<i>Dhup116</i>	11	4.571	1.827	0.333	0.781	0.796	0.752
Dhup118	4	3.336	1.279	0.630	0.700	0.713	0.646	<i>Dhup118</i>	-	-	-	-	-	-	-
Dhup120	8	5.896	1.897	0.640	0.830	0.847	0.809	<i>Dhup120</i>	1	1.000	0.000	0.000	0.000	0.000	0.000
Dhup122	6	3.025	1.321	0.704	0.669	0.682	0.616	<i>Dhup122</i>	14	9.000	2.375	0.222	0.889	0.906	0.879
Dhup123	5	3.347	1.386	0.654	0.701	0.715	0.660	<i>Dhup123</i>	-	-	-	-	-	-	-
Dhup129	5	1.474	0.681	0.259	0.322	0.328	0.302	<i>Dhup129</i>	4	1.520	0.660	0.259	0.342	0.349	0.312
Dhup139	5	2.735	1.218	0.444	0.634	0.646	0.587	<i>Dhup139</i>	4	2.976	1.149	0.556	0.664	0.676	0.596
Dhup141	7	3.941	1.572	0.704	0.746	0.760	0.709	<i>Dhup141</i>	7	4.796	1.704	0.704	0.791	0.806	0.762
Dhup144	8	5.729	1.878	0.577	0.825	0.842	0.803	<i>Dhup144</i>	2	1.202	0.308	0.037	0.168	0.171	0.154
Dhup159	4	1.457	0.598	0.370	0.313	0.319	0.283	<i>Dhup159</i>	-	-	-	-	-	-	-
Dhup163	-	-	-	-	-	-	-	<i>Dhup163</i>	8	4.942	1.754	0.778	0.798	0.813	0.769
Dhup164	3	1.818	0.774	0.074	0.450	0.458	0.395	<i>Dhup164</i>	3	1.818	0.774	0.370	0.450	0.458	0.395
Dhup167	4	1.634	0.724	0.120	0.388	0.396	0.348	<i>Dhup167</i>	5	3.149	1.331	0.889	0.682	0.695	0.638
Dhup171	6	2.599	1.205	0.519	0.615	0.627	0.558	<i>Dhup171</i>	-	-	-	-	-	-	-

Dhup181	10	5.341	1.932	0.481	0.813	0.828	0.790	<i>Dhup181</i>	2	1.202	0.308	0.111	0.168	0.171	0.154
Dhup183	6	1.846	0.978	0.360	0.458	0.468	0.434	<i>Dhup183</i>	2	1.957	0.682	0.407	0.489	0.498	0.369
Dhup185	9	5.297	1.889	0.640	0.811	0.828	0.789	<i>Dhup185</i>	3	2.039	0.764	0.074	0.510	0.519	0.397
Dhup191	7	3.407	1.516	0.407	0.706	0.720	0.675	<i>Dhup191</i>	-	-	-	-	-	-	-
Dhup194	6	1.633	0.825	0.077	0.388	0.395	0.363	<i>Dhup194</i>	-	-	-	-	-	-	-
Mean	7.038	3.676	1.391	0.467	0.635	0.648	0.604	Mean	5.091	3.079	1.043	0.399	0.512	0.522	0.471

Note: N_a = number of alleles, N_e = effective number of alleles, I =Shannon's information index, H_o =observed heterozygosity, H_e =expected heterozygosity, uH_e = unbiased expected heterozygosity
PIC=polymorphic information content.