Supplementary Table S1. Chi-squared test values of each microsatellite locus, per cross type. Loci significantly out of Hardy-Weinberg equilibrium ($p < 0.05$) highlighted in bold.

Crosstype	Locus	Degrees of Freedom	Chi-Sqaured	p
Fremont	GCPM368	28	176.008	**0.000**
Fremont	GCPM231	28	30.935	0.320
Fremont	GCPM345	105	135.827	**0.023**
Fremont	PMGC333	36	118.151	**0.000**
Fremont	GCPM168	3	57.626	**0.000**
Fremont	GCPM961	36	94.401	**0.000**
Fremont	GCPM390	45	137.647	**0.000**
Fremont	GCPM290	36	152.325	**0.000**
Fremont	ORPM60	1	14.976	**0.000**
Fremont	GCPM242	6	18.618	**0.005**
Backcross to Fremont	GCPM368	15	14.508	0.487
Backcross to Fremont	GCPM231	15	22.826	0.088
Backcross to Fremont	GCPM345	15	20.417	0.157
Backcross to Fremont	PMGC333	3	2.568	0.463
Backcross to Fremont	GCPM168	3	2.859	0.414
Backcross to Fremont	GCPM961	21	39.900	**0.008**
Backcross to Fremont	GCPM390	15	47.296	**0.000**
Backcross to Fremont	GCPM290	6	33.099	**0.000**
Backcross to Fremont	ORPM60	Monomorphic		
Backcross to Fremont	GCPM242	1	0.221	0.638
Hybrid	GCPM368	15	30.530	**0.010**
Hybrid	GCPM231	10	23.418	**0.009**
Hybrid	GCPM345	36	52.960	**0.034**
Hybrid	PMGC333	28	70.212	**0.000**
Hybrid	GCPM168	6	36.306	**0.000**
Hybrid	GCPM961	6	34.000	**0.000**
Hybrid	GCPM390	15	42.673	**0.000**
Hybrid	GCPM290	15	48.000	**0.000**
Hybrid	ORPM60	1	1.495	0.221
Hybrid	GCPM242	1	4.500	**0.034**
Backcross to Narrowleaf	GCPM368	28	30.237	0.352
Backcross to Narrowleaf	GCPM231	6	10.678	0.099
Backcross to Narrowleaf	GCPM345	21	22.722	0.359
Backcross to Narrowleaf	PMGC333	10	14.800	0.140
Backcross to Narrowleaf	GCPM168	1	10.000	**0.002**
Backcross to Narrowleaf	GCPM961	1	6.368	**0.012**
Backcross to Narrowleaf	GCPM390	3	1.750	0.626
Backcross to Narrowleaf	GCPM290	15	33.611	**0.004**
Backcross to Narrowleaf	ORPM60	1	0.803	0.370
Backcross to Narrowleaf	GCPM242	1	9.000	**0.003**
Narrowleaf	GCPM368	66	245.099	**0.000**
Narrowleaf	GCPM231	28	116.624	**0.000**
Narrowleaf	GCPM345	45	80.131	**0.001**
Narrowleaf	PMGC333	28	97.037	**0.000**
Narrowleaf	GCPM168	3	47.012	**0.000**
Narrowleaf	GCPM961	3	6.440	0.092
Narrowleaf	GCPM390	55	290.163	**0.000**
Narrowleaf	GCPM290	36	195.691	**0.000**
Narrowleaf	ORPM60	10	168.284	**0.000**
Narrowleaf	GCPM242	28	193.924	**0.000**

Supplementary Table S2. Statistical values for pair-wise Tukey tests of cross type comparisons of a) height and b) diameter of root crown in 2023. Significant pair-wise comparisons ($p < 0.05$) are in bold.

a)

Test	Mean Difference	Standard Error	Degrees of Freedom	Lower Confidence Interval	Upper Confidence Interval	T Ratio	P-value
BCF - BCN	0.0361	8.0253	477.2242	-21.9391	22.0112	0.0045	1
BCF - F	2.1501	6.0792	479.2192	-14.496	18.7962	0.3537	0.9966
BCF - F1	6.0642	7.0464	479.3718	-13.2303	25.3587	0.8606	0.9111
BCF - N	12.8503	5.9199	478.3468	-3.3596	29.0603	2.1707	0.1927
BCN - F	2.1141	6.5601	479.2108	-15.8488	20.077	0.3223	0.9977
BCN - F1	6.0281	7.9206	472.4513	-15.6612	27.7173	0.7611	0.9415
BCN - N	12.8143	6.4061	478.7008	-4.7269	30.3555	2.0003	0.2674
F - F1	3.914	5.656	444.1719	-11.5778	19.4058	0.692	0.9582
F - N	10.7002	3.4359	480.3339	1.2922	20.1082	3.1143	**0.0167**
F1 - N	6.7862	5.5199	451.5516	-8.3319	21.9043	1.2294	0.7342

b)

Test	Mean Difference	Standard Error	Degrees of Freedom	Lower Confidence Interval	Upper Confidence Interval	T Ratio	P-value
BCF - BCN	0.95	0.9252	479.0228	-1.5834	3.4835	1.0268	0.8429
BCF - F	1.0633	0.6995	469.5163	-0.8522	2.9788	1.5201	0.5499
BCF - F1	-0.1964	0.8112	468.7273	-2.4179	2.025	-0.242	0.9992
BCF - N	2.0114	0.6818	478.9108	0.1444	3.8784	2.95	**0.0275**
BCN - F	0.1133	0.7559	468.0475	-1.9566	2.1832	0.1498	0.9999
BCN - F1	-1.1465	0.9102	387.3372	-3.6411	1.3482	-1.26	0.7162
BCN - N	1.0613	0.7386	478.193	-0.9611	3.0838	1.437	0.604
F - F1	-1.2597	0.6468	269.6779	-3.036	0.5165	-1.948	0.2948
F - N	0.9481	0.3956	467.575	-0.1351	2.0313	2.3968	0.1179
F1 - N	2.2078	0.6317	292.8784	0.4738	3.9419	3.4948	**0.0049**

Supplementary Table S3. Statistical values for pair-wise Tukey tests of river-system comparisons of a) height and b) diameter of root crown in 2023. Significant pair-wise (river-river of a single crosstype) comparisons ($p < 0.05$) are in bold.

a)

Test	Cross type	Mean Difference	Standard Error	Degrees of Freedom	Lower Confidence Interval	Upper Confidence Interval	T Ratio	P-value
Blue River - Indian Creek	F	30.9166	4.6642	474.3942	17.5705	44.2627	6.6285	**0**
Blue River - Jacks Canyon	F	18.2155	5.0726	474.7883	3.7008	32.7302	3.591	**0.0049**
Blue River - Little CO River	F	7.6065	5.0387	475.3491	-6.8111	22.024	1.5096	0.6583
Blue River - Oak Creek	F	21.6293	4.7866	476.0036	7.9331	35.3255	4.5187	**1.00E-04**
Blue River - San Francisco	F	8.8538	5.0389	475.7216	-5.5643	23.2719	1.7571	0.4947
Indian Creek - Jacks Canyon	F	-12.7011	5.3585	474.4433	-28.034	2.6317	-2.3703	0.1689
Indian Creek - Little CO River	F	-23.3101	5.4243	474.4993	-38.8312	-7.789	-4.2974	**3.00E-04**
Indian Creek - Oak Creek	F	-9.2873	5.1068	474.9545	-23.8998	5.3251	-1.8186	0.4547
Indian Creek - San Francisco	F	-22.0629	5.6281	476.175	-38.1669	-5.9588	-3.9201	**0.0014**
Jacks Canyon - Little CO River	F	-10.609	5.8284	474.287	-27.2865	6.0685	-1.8202	0.4537
Jacks Canyon - Oak Creek	F	3.4138	5.4672	474.5968	-12.2302	19.0577	0.6244	0.9892
Jacks Canyon - San Francisco	F	-9.3617	5.9045	476.3978	-26.2566	7.5331	-1.5855	0.6085
Little CO River - Oak Creek	F	14.0228	5.5658	474.0741	-1.9034	29.949	2.5194	0.1205
Little CO River - San Francisco	F	1.2473	5.6099	476.8124	-14.8046	17.2992	0.2223	0.9999
Oak Creek - San Francisco	F	-12.7755	5.6718	476.9448	-29.0044	3.4534	-2.2525	0.216
Blue River - Indian Creek	BCF	30.9166	4.6642	474.3942	17.5705	44.2627	6.6285	**0**
Blue River - Jacks Canyon	BCF	18.2155	5.0726	474.7883	3.7008	32.7302	3.591	**0.0049**
Blue River - Little CO River	BCF	7.6065	5.0387	475.3491	-6.8111	22.024	1.5096	0.6583
Blue River - Oak Creek	BCF	21.6293	4.7866	476.0036	7.9331	35.3255	4.5187	**1.00E-04**
Blue River - San Francisco	BCF	8.8538	5.0389	475.7216	-5.5643	23.2719	1.7571	0.4947
Indian Creek - Jacks Canyon	BCF	-12.7011	5.3585	474.4433	-28.034	2.6317	-2.3703	0.1689
Indian Creek - Little CO River	BCF	-23.3101	5.4243	474.4993	-38.8312	-7.789	-4.2974	**3.00E-04**
Indian Creek - Oak Creek	BCF	-9.2873	5.1068	474.9545	-23.8998	5.3251	-1.8186	0.4547
Indian Creek - San Francisco	BCF	-22.0629	5.6281	476.175	-38.1669	-5.9588	-3.9201	**0.0014**
Jacks Canyon - Little CO River	BCF	-10.609	5.8284	474.287	-27.2865	6.0685	-1.8202	0.4537
Jacks Canyon - Oak Creek	BCF	3.4138	5.4672	474.5968	-12.2302	19.0577	0.6244	0.9892
Jacks Canyon - San Francisco	BCF	-9.3617	5.9045	476.3978	-26.2566	7.5331	-1.5855	0.6085
Little CO River - Oak Creek	BCF	14.0228	5.5658	474.0741	-1.9034	29.949	2.5194	0.1205
Little CO River - San Francisco	BCF	1.2473	5.6099	476.8124	-14.8046	17.2992	0.2223	0.9999
Oak Creek - San Francisco	BCF	-12.7755	5.6718	476.9448	-29.0044	3.4534	-2.2525	0.216
Blue River - Indian Creek	F1	30.9166	4.6642	474.3942	17.5705	44.2627	6.6285	**0**
Blue River - Jacks Canyon	F1	18.2155	5.0726	474.7883	3.7008	32.7302	3.591	**0.0049**
Blue River - Little CO River	F1	7.6065	5.0387	475.3491	-6.8111	22.024	1.5096	0.6583
Blue River - Oak Creek	F1	21.6293	4.7866	476.0036	7.9331	35.3255	4.5187	**1.00E-04**
Blue River - San Francisco	F1	8.8538	5.0389	475.7216	-5.5643	23.2719	1.7571	0.4947
Indian Creek - Jacks Canyon	F1	-12.7011	5.3585	474.4433	-28.034	2.6317	-2.3703	0.1689
Indian Creek - Little CO River	F1	-23.3101	5.4243	474.4993	-38.8312	-7.789	-4.2974	**3.00E-04**
Indian Creek - Oak Creek	F1	-9.2873	5.1068	474.9545	-23.8998	5.3251	-1.8186	0.4547
Indian Creek - San Francisco	F1	-22.0629	5.6281	476.175	-38.1669	-5.9588	-3.9201	**0.0014**
Jacks Canyon - Little CO River	F1	-10.609	5.8284	474.287	-27.2865	6.0685	-1.8202	0.4537
Jacks Canyon - Oak Creek	F1	3.4138	5.4672	474.5968	-12.2302	19.0577	0.6244	0.9892
Jacks Canyon - San Francisco	F1	-9.3617	5.9045	476.3978	-26.2566	7.5331	-1.5855	0.6085
Little CO River - Oak Creek	F1	14.0228	5.5658	474.0741	-1.9034	29.949	2.5194	0.1205
Little CO River - San Francisco	F1	1.2473	5.6099	476.8124	-14.8046	17.2992	0.2223	0.9999
Oak Creek - San Francisco	F1	-12.7755	5.6718	476.9448	-29.0044	3.4534	-2.2525	0.216
Blue River - Indian Creek	BCN	30.9166	4.6642	474.3942	17.5705	44.2627	6.6285	**0**
Blue River - Jacks Canyon	BCN	18.2155	5.0726	474.7883	3.7008	32.7302	3.591	**0.0049**
Blue River - Little CO River	BCN	7.6065	5.0387	475.3491	-6.8111	22.024	1.5096	0.6583
Blue River - Oak Creek	BCN	21.6293	4.7866	476.0036	7.9331	35.3255	4.5187	**1.00E-04**
Blue River - San Francisco	BCN	8.8538	5.0389	475.7216	-5.5643	23.2719	1.7571	0.4947
Indian Creek - Jacks Canyon	BCN	-12.7011	5.3585	474.4433	-28.034	2.6317	-2.3703	0.1689
Indian Creek - Little CO River	BCN	-23.3101	5.4243	474.4993	-38.8312	-7.789	-4.2974	**3.00E-04**
Indian Creek - Oak Creek	BCN	-9.2873	5.1068	474.9545	-23.8998	5.3251	-1.8186	0.4547
Indian Creek - San Francisco	BCN	-22.0629	5.6281	476.175	-38.1669	-5.9588	-3.9201	**0.0014**
Jacks Canyon - Little CO River	BCN	-10.609	5.8284	474.287	-27.2865	6.0685	-1.8202	0.4537
Jacks Canyon - Oak Creek	BCN	3.4138	5.4672	474.5968	-12.2302	19.0577	0.6244	0.9892
Jacks Canyon - San Francisco	BCN	-9.3617	5.9045	476.3978	-26.2566	7.5331	-1.5855	0.6085
Little CO River - Oak Creek	BCN	14.0228	5.5658	474.0741	-1.9034	29.949	2.5194	0.1205
Little CO River - San Francisco	BCN	1.2473	5.6099	476.8124	-14.8046	17.2992	0.2223	0.9999
Oak Creek - San Francisco	BCN	-12.7755	5.6718	476.9448	-29.0044	3.4534	-2.2525	0.216
Blue River - Indian Creek	N	30.9166	4.6642	474.3942	17.5705	44.2627	6.6285	**0**
Blue River - Jacks Canyon	N	18.2155	5.0726	474.7883	3.7008	32.7302	3.591	**0.0049**
Blue River - Little CO River	N	7.6065	5.0387	475.3491	-6.8111	22.024	1.5096	0.6583
Blue River - Oak Creek	N	21.6293	4.7866	476.0036	7.9331	35.3255	4.5187	**1.00E-04**
Blue River - San Francisco	N	8.8538	5.0389	475.7216	-5.5643	23.2719	1.7571	0.4947
Indian Creek - Jacks Canyon	N	-12.7011	5.3585	474.4433	-28.034	2.6317	-2.3703	0.1689
Indian Creek - Little CO River	N	-23.3101	5.4243	474.4993	-38.8312	-7.789	-4.2974	**3.00E-04**
Indian Creek - Oak Creek	N	-9.2873	5.1068	474.9545	-23.8998	5.3251	-1.8186	0.4547
Indian Creek - San Francisco	N	-22.0629	5.6281	476.175	-38.1669	-5.9588	-3.9201	**0.0014**
Jacks Canyon - Little CO River	N	-10.609	5.8284	474.287	-27.2865	6.0685	-1.8202	0.4537
Jacks Canyon - Oak Creek	N	3.4138	5.4672	474.5968	-12.2302	19.0577	0.6244	0.9892
Jacks Canyon - San Francisco	N	-9.3617	5.9045	476.3978	-26.2566	7.5331	-1.5855	0.6085
Little CO River - Oak Creek	N	14.0228	5.5658	474.0741	-1.9034	29.949	2.5194	0.1205
Little CO River - San Francisco	N	1.2473	5.6099	476.8124	-14.8046	17.2992	0.2223	0.9999
Oak Creek - San Francisco	N	-12.7755	5.6718	476.9448	-29.0044	3.4534	-2.2525	0.216

b)

Test	Cross type	Mean Difference	Standard Error	Degrees of Freedom	Lower Confidence Interval	Upper Confidence Interval	T Ratio	P-value
Blue River - Indian Creek	F	2.0265	0.538	474.2842	0.487	3.5661	3.7665	**0.0026**
Blue River - Jacks Canyon	F	0.695	0.5851	474.5568	-0.9793	2.3693	1.1878	0.8427
Blue River - Little CO River	F	0.4557	0.5812	475.0035	-1.2075	2.1188	0.784	0.9702
Blue River - Oak Creek	F	1.7585	0.5522	475.5396	0.1786	3.3385	3.1849	**0.0191**
Blue River - San Francisco	F	0.6772	0.5812	475.2601	-0.9859	2.3402	1.1651	0.8532
Indian Creek - Jacks Canyon	F	-1.3315	0.6181	474.2958	-3.1002	0.4371	-2.1542	0.2615
Indian Creek - Little CO River	F	-1.5708	0.6257	474.3517	-3.3612	0.2196	-2.5105	0.123
Indian Creek - Oak Creek	F	-0.268	0.5891	474.6883	-1.9535	1.4176	-0.4549	0.9976
Indian Creek - San Francisco	F	-1.3493	0.6492	475.6644	-3.2069	0.5082	-2.0785	0.3003
Jacks Canyon - Little CO River	F	-0.2393	0.6723	474.2002	-2.1631	1.6845	-0.356	0.9992
Jacks Canyon - Oak Creek	F	1.0636	0.6307	474.4267	-0.741	2.8681	1.6864	0.5415
Jacks Canyon - San Francisc	F	-0.0178	0.681	475.8563	-1.9665	1.9309	-0.0261	1
Little CO River - Oak Creek	F	1.3029	0.642	474.0502	-0.5343	3.14	2.0293	0.3272
Little CO River - San Francisc	F	0.2215	0.6471	476.3383	-1.63	2.0731	0.3423	0.9994
Oak Creek - San Francisco	F	-1.0814	0.6542	476.5522	-2.9534	0.7906	-1.6529	0.5638
Blue River - Indian Creek	BCF	2.0265	0.538	474.2842	0.487	3.5661	3.7665	**0.0026**
Blue River - Jacks Canyon	BCF	0.695	0.5851	474.5568	-0.9793	2.3693	1.1878	0.8427
Blue River - Little CO River	BCF	0.4557	0.5812	475.0035	-1.2075	2.1188	0.784	0.9702
Blue River - Oak Creek	BCF	1.7585	0.5522	475.5396	0.1786	3.3385	3.1849	**0.0191**
Blue River - San Francisco	BCF	0.6772	0.5812	475.2601	-0.9859	2.3402	1.1651	0.8532
Indian Creek - Jacks Canyon	BCF	-1.3315	0.6181	474.2958	-3.1002	0.4371	-2.1542	0.2615
Indian Creek - Little CO River	BCF	-1.5708	0.6257	474.3517	-3.3612	0.2196	-2.5105	0.123
Indian Creek - Oak Creek	BCF	-0.268	0.5891	474.6883	-1.9535	1.4176	-0.4549	0.9976
Indian Creek - San Francisco	BCF	-1.3493	0.6492	475.6644	-3.2069	0.5082	-2.0785	0.3003
Jacks Canyon - Little CO River	BCF	-0.2393	0.6723	474.2002	-2.1631	1.6845	-0.356	0.9992
Jacks Canyon - Oak Creek	BCF	1.0636	0.6307	474.4267	-0.741	2.8681	1.6864	0.5415
Jacks Canyon - San Francisc	BCF	-0.0178	0.681	475.8563	-1.9665	1.9309	-0.0261	1
Little CO River - Oak Creek	BCF	1.3029	0.642	474.0502	-0.5343	3.14	2.0293	0.3272
Little CO River - San Francisc	BCF	0.2215	0.6471	476.3383	-1.63	2.0731	0.3423	0.9994
Oak Creek - San Francisco	BCF	-1.0814	0.6542	476.5522	-2.9534	0.7906	-1.6529	0.5638
Blue River - Indian Creek	F1	2.0265	0.538	474.2842	0.487	3.5661	3.7665	**0.0026**
Blue River - Jacks Canyon	F1	0.695	0.5851	474.5568	-0.9793	2.3693	1.1878	0.8427
Blue River - Little CO River	F1	0.4557	0.5812	475.0035	-1.2075	2.1188	0.784	0.9702
Blue River - Oak Creek	F1	1.7585	0.5522	475.5396	0.1786	3.3385	3.1849	**0.0191**
Blue River - San Francisco	F1	0.6772	0.5812	475.2601	-0.9859	2.3402	1.1651	0.8532
Indian Creek - Jacks Canyon	F1	-1.3315	0.6181	474.2958	-3.1002	0.4371	-2.1542	0.2615
Indian Creek - Little CO River	F1	-1.5708	0.6257	474.3517	-3.3612	0.2196	-2.5105	0.123
Indian Creek - Oak Creek	F1	-0.268	0.5891	474.6883	-1.9535	1.4176	-0.4549	0.9976
Indian Creek - San Francisco	F1	-1.3493	0.6492	475.6644	-3.2069	0.5082	-2.0785	0.3003
Jacks Canyon - Little CO River	F1	-0.2393	0.6723	474.2002	-2.1631	1.6845	-0.356	0.9992
Jacks Canyon - Oak Creek	F1	1.0636	0.6307	474.4267	-0.741	2.8681	1.6864	0.5415
Jacks Canyon - San Francisc	F1	-0.0178	0.681	475.8563	-1.9665	1.9309	-0.0261	1
Little CO River - Oak Creek	F1	1.3029	0.642	474.0502	-0.5343	3.14	2.0293	0.3272
Little CO River - San Francisc	F1	0.2215	0.6471	476.3383	-1.63	2.0731	0.3423	0.9994
Oak Creek - San Francisco	F1	-1.0814	0.6542	476.5522	-2.9534	0.7906	-1.6529	0.5638
Blue River - Indian Creek	BCN	2.0265	0.538	474.2842	0.487	3.5661	3.7665	**0.0026**
Blue River - Jacks Canyon	BCN	0.695	0.5851	474.5568	-0.9793	2.3693	1.1878	0.8427
Blue River - Little CO River	BCN	0.4557	0.5812	475.0035	-1.2075	2.1188	0.784	0.9702
Blue River - Oak Creek	BCN	1.7585	0.5522	475.5396	0.1786	3.3385	3.1849	**0.0191**
Blue River - San Francisco	BCN	0.6772	0.5812	475.2601	-0.9859	2.3402	1.1651	0.8532
Indian Creek - Jacks Canyon	BCN	-1.3315	0.6181	474.2958	-3.1002	0.4371	-2.1542	0.2615
Indian Creek - Little CO River	BCN	-1.5708	0.6257	474.3517	-3.3612	0.2196	-2.5105	0.123
Indian Creek - Oak Creek	BCN	-0.268	0.5891	474.6883	-1.9535	1.4176	-0.4549	0.9976
Indian Creek - San Francisco	BCN	-1.3493	0.6492	475.6644	-3.2069	0.5082	-2.0785	0.3003
Jacks Canyon - Little CO River	BCN	-0.2393	0.6723	474.2002	-2.1631	1.6845	-0.356	0.9992
Jacks Canyon - Oak Creek	BCN	1.0636	0.6307	474.4267	-0.741	2.8681	1.6864	0.5415
Jacks Canyon - San Francisc	BCN	-0.0178	0.681	475.8563	-1.9665	1.9309	-0.0261	1
Little CO River - Oak Creek	BCN	1.3029	0.642	474.0502	-0.5343	3.14	2.0293	0.3272
Little CO River - San Francisc	BCN	0.2215	0.6471	476.3383	-1.63	2.0731	0.3423	0.9994
Oak Creek - San Francisco	BCN	-1.0814	0.6542	476.5522	-2.9534	0.7906	-1.6529	0.5638
Blue River - Indian Creek	N	2.0265	0.538	474.2842	0.487	3.5661	3.7665	**0.0026**
Blue River - Jacks Canyon	N	0.695	0.5851	474.5568	-0.9793	2.3693	1.1878	0.8427
Blue River - Little CO River	N	0.4557	0.5812	475.0035	-1.2075	2.1188	0.784	0.9702
Blue River - Oak Creek	N	1.7585	0.5522	475.5396	0.1786	3.3385	3.1849	**0.0191**
Blue River - San Francisco	N	0.6772	0.5812	475.2601	-0.9859	2.3402	1.1651	0.8532
Indian Creek - Jacks Canyon	N	-1.3315	0.6181	474.2958	-3.1002	0.4371	-2.1542	0.2615
Indian Creek - Little CO River	N	-1.5708	0.6257	474.3517	-3.3612	0.2196	-2.5105	0.123
Indian Creek - Oak Creek	N	-0.268	0.5891	474.6883	-1.9535	1.4176	-0.4549	0.9976
Indian Creek - San Francisco	N	-1.3493	0.6492	475.6644	-3.2069	0.5082	-2.0785	0.3003
Jacks Canyon - Little CO River	N	-0.2393	0.6723	474.2002	-2.1631	1.6845	-0.356	0.9992
Jacks Canyon - Oak Creek	N	1.0636	0.6307	474.4267	-0.741	2.8681	1.6864	0.5415
Jacks Canyon - San Francisc	N	-0.0178	0.681	475.8563	-1.9665	1.9309	-0.0261	1
Little CO River - Oak Creek	N	1.3029	0.642	474.0502	-0.5343	3.14	2.0293	0.3272
Little CO River - San Francisc	N	0.2215	0.6471	476.3383	-1.63	2.0731	0.3423	0.9994
Oak Creek - San Francisco	N	-1.0814	0.6542	476.5522	-2.9534	0.7906	-1.6529	0.5638

Supplementary Table S4. Evanno's delta-K testing

K	Mean LnP(D)	SD LnP(D)	L'(K)	L"(K)	ΔK
1	−5603.2	49.6	–	–	–
2	−4738.5	31.4	864.7	−548.0	17.45
3	−4421.8	38.7	316.7	−197.5	5.10
4	−4302.6	45.2	119.2	−76.0	1.68
5	−4259.4	51.9	43.2	−27.9	0.54
6	−4244.1	60.3	15.3	–	–