Table S3 The number of generations of divergence (GOD), trait-specific genetic variances (VG) and one standard error of the genetic variance for individual genotypes from each of the three experimental populations ($Klamath_{SGT}$, $Klamath_{LGT}$, and $Lake\ Marie_{SGT}$) for each of the three phenotypic assays.

					$Klamath_{SGT}$				
SM	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	11	0	0.00463	24	0.01072	0.00769	58	0.01061	0.00969
D	12	0.0036	0.0087	27	0.01694	0.01313	62	0.0057	0.01613
F	14	0.00032	0.00485	31	0	0.00294	68	0.004	0.00645
G	11	0.0062	0.00478	28	0	0.00337	63	0.00013	0.00358
H	13	0	0.00362	28	0.01441	0.00881	61	0	0.01147
I	13	0.00865	0.01144	28	0.00969	0.0081	60	0.00284	0.00802
J	14	0	0.00529	30	0.00319	0.00332	67	0.00543	0.0045
K	13	0.00055	0.00361	29	0	0.00124	64	0	0.00454
M	12	0.00205	0.0048	29	0.00094	0.00169	65	0	0.00517
CL1	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	11	0.67027	1.56848	24	0	1.74764	58	0.21922	0.57401
D	12	1.05556	5.80913	27	3.63636	4.40911	62	0	3.64095
F	14	0	0.80324	31	0.88528	1.92736	68	0.20833	1.98974
G	11	0	2.6108	28	3.7996	2.97242	63	1.80837	2.37236
H	13	0.61744	1.59833	28	0	1.66246	61	0	0.92617
I	13	2.64833	3.06826	28	1.10444	1.98736	60	0	0.91961
J	14	1.58949	2.18545	30	0	2.27256	67	0.61111	1.66505
K	13	1.3608	2.15364	29	0	1.05822	64	2.2037	2.64732
M	12	0	1.65521	29	1.04321	1.47896	65	2.28013	1.96756

CL2	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	11	4.71748	4.73966	24	0	6.23078	58	0	0.74921
D	12			27	7.09519	16.45037	62	11.66667	16.55406
F	14	0	2.81939	31	8.24783	14.18914	68	0	7.55089
G	11	0	5.92863	28	0	8.4872	63	0	3.85083
H	13	11.98125	9.60638	28	0	6.03001	61	31.44444	38.227
I	13	5.42988	5.79037	28	7.79791	12.55674	60	1.66667	8.32407
J	14	12.91625	11.12595	30	7.87037	16.97681	67	18.79012	10.99308
K	13	3.14634	2.70407	29	6.26562	8.24597	64	0	4.14217
M	12	0.47635	3.11998	29	3.87346	4.79727	65	0	3.30408

CL3	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	11	1.90012	3.39643	24	0	11.32138	58	8.11374	7.68881
D	12			27	76.2365	51.00383	62	17.96349	25.47911
F	14	3.47412	9.29585	31	25.08792	21.57292	68	0	4.03328
G	11	17.61942	16.46678	28	1.64881	15.69624	63	4.74097	9.28993
H	13	17.00918	12.75911	28	5.00716	25.05459	61	6.88889	10.52295
I	13	26.57576	28.44506	28	50.31203	30.47006	60	0	24.04343
J	14	7.68766	12.92731	30	14.49074	22.00781	67	10.96914	10.15621
K	13	0	3.96699	29	0	8.76744	64	7.05926	8.92313
M	12	0	4.85086	29	8.41049	13.71423	65	0	3.22635

CL4	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	11	2.55733	3.4845	24	0	14.88789	58	0	4.83578
D	12			27	0	30.05736	62	12.75079	42.08296

F	14	0	8.62149	31	23.79222	26.38406	68	5.85714	4.48788
G	11	12.65199	15.8692	28	0	19.77745	63	0	9.10526
H	13	0	12.61747	28	6.12314	20.15946	61	29.96296	67.99151
I	13	55.71154	40.07099	28	90.52304	54.79745	60	0	27.04648
J	14	0	12.83642	30	0	24.25649	67	10.0679	14.27202
K	13	0	3.4603	29	0	13.54066	64	12.04771	18.65331
M	12	2.77539	5.61912	29	5.8642	18.29196	65	0	6.52289

AM	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	11	0	1.45661	24	0	0.34591	58	0	0.44262
D	12	0	2.24522	27	0.04247	0.65146	62	0	0.69429
F	14	0.03682	0.19879	31	0	0.22505	68	0	0.11508
G	11	0	0.25139	28	0.15741	0.14706	63	0.02329	0.29191
H	13	0.52142	0.72764	28	0	0.31844	61	2.64759	2.73388
I	13	0.67891	0.68003	28	0.04236	0.27405	60	0.23072	0.37697
J	14	0.43806	0.5344	30	0	1.34215	67	0	0.36319
K	13	0	0.10559	29	0	0.12777	64	0.59937	0.48668
M	12	0.37698	0.75546	29	0.14571	0.16886	65	0	0.2077

$Klamath_{LGT}$

SM	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
D	7	0.00215	0.00637	17	0.00106	0.00243	27	0	0.00641
F	8	0.00026	0.00347	14	0.00604	0.00411	21	0	0.00464
G	7	0.00397	0.00454	13	0.00345	0.00279	20	0.00634	0.00763
H	8	0.00203	0.00587	14	0	0.00253	22	0.01461	0.01676
J	10	0	0.00412	13	0	0.00202	21	0.00034	0.00579

M	9	0	0.00461	17	0	0.00214	29	0.01186	0.01089
CL1	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
D	7	0	2.85228	17	0	1.79968	27	0	1.66733
F	8	0.05556	1.25804	14	0.44751	1.21967	21	0.46078	1.12272
G	7	1.62346	2.19109	13	18.79877	9.80865	20	0.51542	1.67377
H	8	0	0.78566	14	0.35714	1.65759	22	0.51493	1.18589
J	10	2.87216	3.26131	13	0	1.18363	21	3.73545	4.54557
M	9	2.59215	2.49171	17	0	1.38728	29	2.45185	3.11906
CL2	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
D	7	0	17.23978	17	21.77046	17.21842	27	0	10.16958
F	8	3.58122	5.74376	14	0	7.41623	21	0	3.67561
G	7	4.60185	7.19215	13	10.19136	11.4038	20	0	5.13406
H	8	1.57059	4.13008	14	0	6.1567	22	0	5.01108
J	10	0	6.35242	13	0.3679	6.81771	21	11.24339	12.69729
M	9	0	4.67332	17	0.66477	3.05535	29	1.05404	2.57458
CL3	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
D	7	13.46875	13.24163	17	11.51225	19.20428	27	0	16.0853
F	8	0	3.37041	14	78.18973	40.30733	21	0	3.27047
G	7	0	9.25692	13	0	9.84922	20	0	5.94668
H	8	0	4.19712	14	0	19.56205	22	0.41978	4.69168
J	10	9.78126	14.20807	13	3.25926	7.10506	21	15.55173	13.9879
M	9	0	1.24262	17	5.63494	11.14281	29	3.3303	5.41893
CL4	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
D	7	0	225.2659	17	4.62771	32.83617	27	0	36.75779

F	8	21.22666	15.15817	14	79.30437	48.82245	21	0	12.04766
G	7	0	7.15185	13	16.31852	27.30084	20	8.82115	12.63877
H	8	10.80329	12.87009	14	54.44286	55.50351	22	8.14366	12.46742
J	10	0	14.30439	13	0	20.42342	21	4.18271	19.66714
M	9	0	9.87739	17	0	15.76466	29	43.16061	33.09334

AM	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
D	7	1.78587	1.60833	17	0	0.13735	27	0.31066	0.38791
F	8	0.11333	0.41094	14	0.2558	0.1978	21	0	0.98734
G	7	0	0.26656	13	0	0.12841	20	0.81169	0.73144
H	8	0.117	0.49791	14	0	0.16037	22	1.55539	1.19434
J	10	0	0.34897	13	0	0.04468	21	0.18682	0.19556
M	9	0	0.3254	17	0	0.07071	29	0	0.23553

Marie

SM	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	12	0.01423	0.01715	27	0.04173	0.06589			
F	14	0.00068	0.00292	32	0.01032	0.00842	57	0.00145	0.00272
H	14	0.00389	0.00497	30	0.00349	0.00299			
I	12	0.00241	0.00715	28	0	0.00319			
J	18	0.00298	0.00313	36	0	0.00149			
K	13	0	0.00191	29	0.02116	0.01448	66	0.00246	0.00327
M	12	0.00221	0.00493	27	0	0.00452			

CL1	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	12	9.2037	8.67665	27	6.71739	6.431			
F	14	0	0.69411	32	9.20133	8.585	57	0	0.87258

H	14	0.73882	1.19822	30	0	0.63302			
I	12	0	3.96674	28	0.08784	0.6793			
J	18	0	0.64209	36	0	1.01125			
K	13	2.48413	2.56716	29	7.56209	6.36515	66	1.01496	1.5472
M	12	0	1.7041	27	1.0473	0.64683			
CL2	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	12	19.93519	17.86768	27	40.47101	37.59285			
F	14	0	4.99088	32	27.80247	29.76014	57	1.41952	6.28477
H	14	0.90921	3.4171	30	0	0.46764			
I	12	1.49069	17.80141	28	2.00676	4.01669			
J	18	0	5.84921	36	4.14198	7.92738			
K	13	2.5873	9.24041	29	9.85948	8.01073	66	1.21352	7.9515
M	12	0	1.94786	27	1.91216	3.54373			
CL3	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	12	0	14.54704	27	3.65217	11.19872			
F	14	8.98148	10.26047	32	8.41026	12.14323	57	0	3.34979
H	14	0	2.97304	30	0.42525	0.71062			
I	12	29.64295	27.73263	28	2.0473	4.17883			
J	18	2.97222	7.62431	36	13.17593	11.49367			
K	13	0	10.5852	29	70.7549	46.98801	66	10.4229	11.5278
M	12	0	7.00063	27	1.06081	2.33114			
CL4	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	12	2.10185	15.29273	27	131.3623	118.5344			
F	14	0	11.12182	32	7.83357	12.9765	57	0	5.78328
H	14	4.98487	4.67624	30	0.43889	0.48224			

I	12	26.85638	25.58624	28	0	6.34153			
J	18	5.47222	14.90671	36	2.19753	15.29665			
K	13	0	9.90451	29	22.73203	31.25187	66	0.73347	17.22923
M	12	0	11.47289	27	12.13851	6.78263			
AM	GOD 1	VG 1	SE1	GOD 2	VG 2	SE2	GOD 3	VG 3	SE3
B	12	1.05695	1.38772	27	2.18494	3.23428			
F	14	0.04329	0.2617	32	0.2201	0.48058	57	0.23385	0.47953
H	14	2.91159	2.62771	30	0.17802	1.02716			
I	12	0	0.45979	28	0.2054	0.28981			
J	18	1.94543	3.68016	36	0	0.07784			
K	13	0	0.12012	29	0.2934	0.45727	66	0	0.04555
M	12	0	0.29046	27	0.48353	1.74699			