

S6 Table. Position, composite likelihood-ratio statistics (CLR) and strength of selection (α , $2N_e s$, and s) for the highest CLR and the smallest α value on each background scaffold (α_{min}) for the *H. melpomene*-clade. Data are from SweepFinder2 [74,76] runs with background site frequency spectrum estimated from background scaffolds.

Population	Scaffold	Position	CLR	α	$2N_e s$	s	Position (α_{min})	CLR (α_{min})	α_{min}	$2N_e s$ (α_{min})	s (α_{min})
<i>H. besckei</i>	Hmel204017	2202171	10	549.99	649	0.001	2198120	7	42.25	8445	0.008
<i>H. c. chioneus</i>	Hmel204017	2299755	24	461.75	2371	0.001	1959329	13	163.28	6705	0.002
<i>H. c. cydnides</i>	Hmel204017	2298643	25	194.08	6303	0.002	1958116	20	89.26	13704	0.004
<i>H. c. weymeri gustavi</i>	Hmel204017	2003132	40	121.06	10105	0.003	2003332	35	118.42	10330	0.003
<i>H. c. weymeri weymeri</i>	Hmel204017	2019842	42	192.6	6144	0.002	2004090	29	91.35	12954	0.004
<i>H. c. zelinde</i>	Hmel204017	2016795	31	193.11	5709	0.002	2053101	10	75.43	14614	0.005
<i>H. elevatus Ecuador</i>	Hmel204017	2255583	12	484.36	2327	0.001	1958500	4	103.58	10880	0.004
<i>H. heurippa</i>	Hmel204017	2117854	35	206.51	8319	0.002	2109703	18	67.29	25532	0.006
<i>H. m. amaryllis</i>	Hmel204017	2095349	92	72.69	11239	0.005	2110351	4	54.96	14865	0.007
<i>H. m. cythera</i>	Hmel204017	1957699	23	226.1	6867	0.002	2109212	3	101.71	15266	0.004
<i>H. m. ECU</i>	Hmel204017	2115425	28	163.27	7507	0.002	2109574	11	77.18	15879	0.005
<i>H. m. malleti COL</i>	Hmel204017	2119953	19	540.47	2674	0.001	1958384	14	99.86	14472	0.004
<i>H. m. malleti ECU</i>	Hmel204017	1940231	23	406.94	3468	0.001	1955983	10	149.31	9451	0.003
<i>H. m. melpomene COL</i>	Hmel204017	1940194	21	490.45	3550	0.001	2108911	1	111.29	15644	0.003
<i>H. m. melpomene FG</i>	Hmel204017	2070510	17	1052.51	1326	0	2054159	6	159.26	8763	0.002
<i>H. m. melpomene PAN</i>	Hmel204017	1958471	37	102.29	13645	0.004	1958371	37	101.91	13696	0.004
<i>H. m. meriana</i>	Hmel204017	1938159	36	314.03	1732	0.001	2054221	4	67.64	8043	0.005
<i>H. m. nanna NORTH</i>	Hmel204017	1962630	17	206.08	5183	0.002	2110187	1	104.45	10226	0.004
<i>H. m. nanna SOUTH</i>	Hmel204017	1987449	23	85.41	12506	0.004	1959797	20	30.51	35006	0.012
<i>H. m. plesseni</i>	Hmel204017	1960131	24	138	10351	0.003	1958431	14	107.91	13237	0.004
<i>H. m. rosina</i>	Hmel204017	2070277	19	565.94	1716	0.001	2197537	1	191.2	5078	0.002
<i>H. m. vicina</i>	Hmel204017	2028490	25	250.5	5571	0.002	1957880	21	69.35	20124	0.005
<i>H. m. vulcanus</i>	Hmel204017	1958592	45	68.73	12826	0.005	1958592	45	68.73	12826	0.005
<i>H. m. xenoclea</i>	Hmel204017	1940108	20	427.87	3013	0.001	1957909	7	220.11	5858	0.002
<i>H. pachinus</i>	Hmel204017	2115316	40	102.78	11624	0.004	2109316	37	44.2	27031	0.008
<i>H. t. florencía</i>	Hmel204017	1967332	37	143.92	7590	0.003	2065692	10	108.37	10080	0.003
<i>H. t. linaresi</i>	Hmel204017	1859422	44	75.94	15138	0.005	1859622	41	74.32	15468	0.005
<i>H. t. ssp. nov. ECU</i>	Hmel204017	1967446	23	164.5	6944	0.002	2053904	2	142.86	7996	0.003
<i>H. t. thelxinoe</i>	Hmel204017	1992794	13	370.4	2639	0.001	2200268	0	205.27	4762	0.002
<i>H. t. timareta f. contigua</i>	Hmel204017	1967333	29	177.71	5673	0.002	1894174	27	153.85	6553	0.002
<i>H. t. timareta f. timareta</i>	Hmel204017	1967317	29	139.95	7689	0.003	1967917	28	129.38	8316	0.003
<i>H. t. ssp. nov. COL</i>	Hmel204017	1967382	31	129.08	7875	0.003	2066095	26	67.81	14992	0.005
<i>H. besckei</i>	Hmel206006	623821	32	96.67	2936	0.003	446344	6	78.83	3600	0.003
<i>H. c. chioneus</i>	Hmel206006	552281	35	206.11	4284	0.001	635186	13	106.84	8264	0.003
<i>H. c. cydnides</i>	Hmel206006	621246	49	185.05	4819	0.001	636047	17	90.71	9830	0.003

Population	Scaffold	Position	CLR	α	2Ns	s	Position (α_{min})	CLR (α_{min})	α_{min}	2Ns (α_{min})	s (α_{min})
<i>H. c. weymeri gustavi</i>	Hmel206006	551591	24	285.25	2877	0.001	635597	6	141.7	5793	0.002
<i>H. c. weymeri weymeri</i>	Hmel206006	358310	38	313.61	2521	0.001	602687	4	211.68	3735	0.001
<i>H. c. zelinde</i>	Hmel206006	625531	20	322.96	2516	0.001	547874	12	195.33	4160	0.001
<i>H. elevatus Ecuador</i>	Hmel206006	625339	67	165.96	7938	0.002	625089	56	158.23	8326	0.002
<i>H. heurippa</i>	Hmel206006	692174	209	68.12	8410	0.004	622815	113	56	10232	0.005
<i>H. m. amaryllis</i>	Hmel206006	792036	13	6498.34	199	0	602713	3	266.71	4857	0.001
<i>H. m. cythera</i>	Hmel206006	327697	35	313.66	2881	0.001	582730	1	294.86	3064	0.001
<i>H. m. ECU</i>	Hmel206006	754627	18	1234.34	843	0	604468	6	289.65	3594	0.001
<i>H. m. malleti COL</i>	Hmel206006	519734	18	772.31	1331	0	330318	6	330.27	3112	0.001
<i>H. m. malleti ECU</i>	Hmel206006	520036	23	608.97	2203	0	604299	11	168.4	7967	0.002
<i>H. m. melpomene COL</i>	Hmel206006	435316	77	286.56	3472	0.001	635727	14	142	7006	0.002
<i>H. m. melpomene FG</i>	Hmel206006	748824	30	400.07	1622	0.001	603065	21	82.02	7913	0.003
<i>H. m. melpomene PAN</i>	Hmel206006	550698	67	79.7	12387	0.003	550848	42	79.35	12441	0.003
<i>H. m. meriana</i>	Hmel206006	398903	43	178.98	2537	0.001	399353	32	168.46	2696	0.002
<i>H. m. nanna NORTH</i>	Hmel206006	624824	52	71.95	11590	0.004	624874	52	71.88	11601	0.004
<i>H. m. nanna SOUTH</i>	Hmel206006	697150	29	65.89	12655	0.004	593689	20	55.63	14990	0.005
<i>H. m. plesseni</i>	Hmel206006	542803	28	533.96	1896	0.001	604409	9	195.65	5174	0.001
<i>H. m. rosina</i>	Hmel206006	435387	31	485.67	1638	0.001	485890	11	311.11	2558	0.001
<i>H. m. vicina</i>	Hmel206006	596917	19	304.47	3268	0.001	635572	8	102.6	9697	0.003
<i>H. m. vulcanus</i>	Hmel206006	620645	58	160.28	4176	0.002	635647	13	137.72	4860	0.002
<i>H. m. xenoclea</i>	Hmel206006	602412	24	189.92	5286	0.001	602712	20	173.66	5781	0.002
<i>H. pachinus</i>	Hmel206006	602775	56	87.16	9762	0.003	603575	53	82.35	10333	0.003
<i>H. t. florencía</i>	Hmel206006	619768	71	144.46	5701	0.002	603667	7	91.83	8967	0.003
<i>H. t. linaresi</i>	Hmel206006	647619	44	266.93	2946	0.001	647569	41	266.8	2947	0.001
<i>H. t. ssp. nov. ECU</i>	Hmel206006	622609	76	118.17	7126	0.002	604357	24	103.87	8107	0.003
<i>H. t. thelxinoe</i>	Hmel206006	619714	48	198.45	3860	0.001	619764	47	197.9	3871	0.001
<i>H. t. timareta f. contigua</i>	Hmel206006	739720	27	395.99	1932	0.001	736870	5	207.58	3685	0.001
<i>H. t. timareta f. timareta</i>	Hmel206006	739820	24	384.53	2082	0.001	503640	7	342.81	2335	0.001
<i>H. t. ssp. nov. COL</i>	Hmel206006	600649	106	54.24	12566	0.005	599899	105	53.68	12697	0.005
<i>H. besckei</i>	Hmel208051	754245	17	64.59	5134	0.006	755845	11	47.33	7006	0.008
<i>H. c. chioneus</i>	Hmel208051	1042680	28	137.66	8279	0.003	911421	19	66.71	17083	0.006
<i>H. c. cydnides</i>	Hmel208051	1043501	33	101.13	10528	0.004	1043451	30	99.58	10692	0.004
<i>H. c. weymeri gustavi</i>	Hmel208051	1039926	62	59.32	17382	0.007	1040376	4	55.87	18455	0.007
<i>H. c. weymeri weymeri</i>	Hmel208051	1040038	29	146.11	6744	0.003	638197	13	123.9	7953	0.003
<i>H. c. zelinde</i>	Hmel208051	1042582	23	171.2	6554	0.002	911322	8	87.76	12785	0.005
<i>H. elevatus Ecuador</i>	Hmel208051	1044514	68	86.19	18877	0.005	929499	23	61.66	26386	0.007
<i>H. heurippa</i>	Hmel208051	982755	447	11.85	63379	0.033	984105	268	11.46	65530	0.034
<i>H. m. amaryllis</i>	Hmel208051	1048965	19	674.01	2446	0.001	1045265	13	186.14	8856	0.002
<i>H. m. cythera</i>	Hmel208051	846537	27	395.77	3243	0.001	955998	25	117.17	10955	0.003
<i>H. m. ECU</i>	Hmel208051	1024299	40	82.15	16900	0.005	1024299	40	82.15	16900	0.005

Population	Scaffold	Position	CLR	α	2Ns	s	Position (α_{min})	CLR (α_{min})	α_{min}	2Ns (α_{min})	s (α_{min})
<i>H. m. malleti</i> COL	Hmel208051	1049946	19	183.34	7932	0.002	1068899	14	182.57	7965	0.002
<i>H. m. malleti</i> ECU	Hmel208051	1050196	14	908.1	1964	0	1023894	2	115.65	15426	0.004
<i>H. m. melpomene</i> COL	Hmel208051	1031498	23	184.04	7475	0.002	745420	4	161.2	8534	0.003
<i>H. m. melpomene</i> FG	Hmel208051	1022462	13	136.64	6828	0.003	1023112	8	118.53	7871	0.003
<i>H. m. melpomene</i> PAN	Hmel208051	992145	28	374.68	3580	0.001	905289	12	124.84	10743	0.003
<i>H. m. meriana</i>	Hmel208051	1024688	41	84.4	8036	0.005	1053241	34	77.92	8705	0.005
<i>H. m. nanna</i> NORTH	Hmel208051	1039701	268	15.12	71234	0.026	1042701	165	14.81	72711	0.027
<i>H. m. nanna</i> SOUTH	Hmel208051	1073274	25	40.14	26835	0.01	761403	14	18.38	58609	0.022
<i>H. m. plesseni</i>	Hmel208051	1049999	19	230.55	6532	0.002	1023996	18	91.79	16404	0.004
<i>H. m. rosina</i>	Hmel208051	903527	24	205.05	4694	0.002	904777	6	132.63	7256	0.003
<i>H. m. vicina</i>	Hmel208051	1053006	45	48.28	28493	0.008	1053256	43	47.58	28915	0.009
<i>H. m. vulcanus</i>	Hmel208051	986477	43	59.01	14524	0.007	986427	43	58.93	14544	0.007
<i>H. m. xenoclea</i>	Hmel208051	1049965	26	185.01	7211	0.002	910549	4	86.3	15459	0.005
<i>H. pachinus</i>	Hmel208051	957473	52	62.25	17632	0.006	957473	52	62.25	17632	0.006
<i>H. t. florencía</i>	Hmel208051	1044370	163	27.82	36817	0.014	1034118	78	25.36	40393	0.016
<i>H. t. linaresi</i>	Hmel208051	1053301	78	61.85	16854	0.006	1048751	37	58.96	17679	0.007
<i>H. t. ssp. nov.</i> ECU	Hmel208051	1045877	144	29.56	35705	0.014	1046027	73	29.51	35764	0.014
<i>H. t. thelxinoe</i>	Hmel208051	909967	59	61.29	14753	0.006	910717	55	51.43	17581	0.008
<i>H. t. timareta f. contigua</i>	Hmel208051	1045354	83	42.15	21556	0.009	1045254	82	42.07	21597	0.009
<i>H. t. timareta f. timareta</i>	Hmel208051	1043033	87	34.74	28376	0.011	1042433	35	34.64	28465	0.011
<i>H. t. ssp. nov.</i> COL	Hmel208051	1024784	151	23.07	40454	0.017	1031634	97	22.06	42310	0.018
<i>H. besckei</i>	Hmel219003	5392785	10	250.9	995	0.001	5656167	7	239.49	1043	0.001
<i>H. c. chioneus</i>	Hmel219003	5569780	86	88.48	8060	0.003	5569830	86	88.47	8061	0.003
<i>H. c. cydnides</i>	Hmel219003	5396768	123	85.52	7800	0.003	5396818	123	85.49	7803	0.003
<i>H. c. weymeri gustavi</i>	Hmel219003	5538911	101	112.36	5544	0.002	5286426	32	98.65	6314	0.002
<i>H. c. weymeri weymeri</i>	Hmel219003	5553535	283	38.09	15583	0.006	5554435	278	37.93	15647	0.006
<i>H. c. zelinde</i>	Hmel219003	5570079	125	62.53	11161	0.004	5570329	82	62.3	11203	0.004
<i>H. elevatus</i> Ecuador	Hmel219003	5568930	92	252.97	4436	0.001	5576831	37	143.22	7835	0.002
<i>H. heurippa</i>	Hmel219003	5611280	129	142.67	2523	0.002	5428619	118	91.69	3926	0.002
<i>H. m. amaryllis</i>	Hmel219003	5555079	39	336.76	3004	0.001	5254364	7	224.1	4514	0.001
<i>H. m. cythera</i>	Hmel219003	5246608	277	39.17	19565	0.006	5245458	210	38.8	19754	0.006
<i>H. m. ECU</i>	Hmel219003	5576937	87	80.03	11156	0.003	5577787	84	78.91	11315	0.003
<i>H. m. malleti</i> COL	Hmel219003	5252414	33	289.02	2908	0.001	5254464	30	157.13	5350	0.002
<i>H. m. malleti</i> ECU	Hmel219003	5567800	50	384.41	2743	0.001	5576601	42	116.57	9045	0.002
<i>H. m. melpomene</i> COL	Hmel219003	5588298	31	788.28	1086	0	5286460	2	201.48	4249	0.001
<i>H. m. melpomene</i> FG	Hmel219003	5554226	57	154.81	3433	0.002	5554426	54	154.6	3438	0.002
<i>H. m. melpomene</i> PAN	Hmel219003	5552111	99	99.07	8155	0.002	5254367	91	95	8505	0.003
<i>H. m. meriana</i>	Hmel219003	5475294	51	322.83	1212	0.001	5244725	34	142.27	2750	0.002
<i>H. m. nanna</i> NORTH	Hmel219003	5576562	243	25.98	25617	0.009	5573512	121	25.67	25933	0.009
<i>H. m. nanna</i> SOUTH	Hmel219003	5597249	88	51.91	12823	0.005	5607750	49	42.09	15816	0.006

Population	Scaffold	Position	CLR	α	2Ns	s	Position (α_{min})	CLR (α_{min})	α_{min}	2Ns (α_{min})	s (α_{min})
<i>H. m. plesseni</i>	Hmel219003	5254487	56	99.24	8569	0.002	5254537	56	99.09	8582	0.002
<i>H. m. rosina</i>	Hmel219003	5551670	76	138.55	4565	0.002	5255279	55	120.95	5229	0.002
<i>H. m. vicina</i>	Hmel219003	5550947	50	111.2	7699	0.002	5551797	47	107.56	7960	0.002
<i>H. m. vulcanus</i>	Hmel219003	5553765	71	200.24	2712	0.001	5577768	39	135.95	3994	0.002
<i>H. m. xenoclea</i>	Hmel219003	5576910	52	59	13791	0.004	5577810	49	57.61	14123	0.004
<i>H. pachinus</i>	Hmel219003	5551837	138	78.62	8787	0.003	5555187	133	66.15	10443	0.004
<i>H. t. florenzia</i>	Hmel219003	5715417	155	86.73	6303	0.003	5251087	83	44.97	12156	0.005
<i>H. t. linaresi</i>	Hmel219003	5481153	128	135.29	3870	0.002	5388590	90	77.48	6757	0.003
<i>H. t. ssp. nov. ECU</i>	Hmel219003	5715333	177	78.73	7015	0.003	5251188	57	59.79	9238	0.004
<i>H. t. thelxinoe</i>	Hmel219003	5611298	177	88.47	4333	0.003	5611048	161	88.12	4350	0.003
<i>H. t. timareta f. contigua</i>	Hmel219003	5250567	242	28.08	16568	0.008	5250067	200	27.78	16749	0.008
<i>H. t. timareta f. timareta</i>	Hmel219003	5551811	161	75.74	6270	0.003	5251121	70	59.27	8012	0.004
<i>H. t. ssp. nov. COL</i>	Hmel219003	5583888	553	18.15	24628	0.013	5575787	420	16.8	26600	0.014