

<html><head></head><body><pre style="word-wrap: break-word; white-space: pre-wrap;">#  
 Barlow et al. Supplementary Data 1: D-statistic tests for unequal allele derived sharing  
 between brown and polar bears and a cave bear candidate introgressor  
 # Positive values are consistent with admixture between the P2 and P3 individuals, and  
 negative values between P1 and P3 individuals.  
 # D values, weighted block jackknife standard error, and Zscore, calculated using 4  
 alternative outgroups are presented in adjacent columns with prefix "D", "SE" and "Z",  
 respectively.  
 # Outgroups are indicated by their latin name

P1	P2	P3	Damericanus	Dthibetanus	Dornatus	Dmelanoleuca
SEamericanus		SEthibetanus	SEornatus	SEmelanoleuca	Zamericanus	
Zthibetanus		Zornatus	Zmelanoleuca			
NB	235	GS136	0.079782	0.037504	0.035555	0.033767
0.009739		0.008964	0.008719	0.008407	8.192120	4.183884
4.077876		4.016391				
NB	235	HV74	0.079545	0.038995	0.043102	0.043059
0.009109		0.008142	0.007735	0.007568	8.732300	4.789154
5.572402		5.689429				
NB	235	VD-1838	0.070900	0.032561	0.034387	0.033738
0.009347		0.008284	0.008012	0.007687	7.585540	3.930621
4.292043		4.389031				
NB	235	WK01	0.072318	0.033189	0.037038	0.035233
0.009206		0.008182	0.007748	0.007454	7.855598	4.056602
4.780111		4.726607				
SB	235	GS136	0.079999	0.037302	0.044978	0.041639
0.009856		0.009187	0.008638	0.008425	8.116669	4.060354
5.206747		4.942517				
SB	235	HV74	0.083425	0.040378	0.053689	0.052105
0.009372		0.008393	0.007880	0.007589	8.901553	4.810668
6.812956		6.865865				
SB	235	VD-1838	0.074702	0.034803	0.044858	0.044274
0.009701		0.008514	0.008196	0.007877	7.700807	4.087959
5.473090		5.620477				
SB	235	WK01	0.078687	0.036533	0.047893	0.045499
0.009358		0.008340	0.007716	0.007448	8.408819	4.380473
6.207335		6.108593				
WH2	235	GS136	0.076561	0.032863	0.035028	0.033441
0.009952		0.009075	0.008930	0.008549	7.692652	3.621321
3.922326		3.911768				
WH2	235	HV74	0.081178	0.039986	0.047746	0.047749
0.009340		0.008390	0.008071	0.007786	8.691573	4.765852
5.915811		6.132987				
WH2	235	VD-1838	0.069730	0.032703	0.038966	0.038725
0.009406		0.008486	0.008211	0.007844	7.412979	3.853721
4.745874		4.936714				
WH2	235	WK01	0.073673	0.032972	0.040914	0.040241
0.009194		0.008156	0.007801	0.007503	8.012934	4.042751
5.244732		5.363341				
NB	191Y	GS136	0.088734	0.039361	0.043491	0.047677
0.010117		0.009221	0.009152	0.009073	8.770480	4.268656
4.751898		5.254864				
NB	191Y	HV74	0.092438	0.045474	0.054032	0.059700
0.009864		0.008474	0.008238	0.008054	9.371575	5.366351
6.559094		7.412622				
NB	191Y	VD-1838	0.086383	0.041175	0.046527	0.049499
0.010047		0.008470	0.008606	0.008211	8.598059	4.861264
5.406305		6.028347				
NB	191Y	WK01	0.087472	0.040426	0.051374	0.055084
0.009771		0.008294	0.008435	0.008073	8.952452	4.874164

6.090388		6.823626					
SB	191Y	GS136	0.088980	0.040795	0.052613	0.054809	
0.010290		0.009322	0.009240	0.009212	8.647220	4.376057	
5.693889		5.949671					
SB	191Y	HV74	0.094829	0.047020	0.064284	0.068209	
0.010209		0.008834	0.008445	0.008156	9.288347	5.322736	
7.611811		8.363568					
SB	191Y	VD-1838	0.088420	0.042986	0.056893	0.059112	
0.010289		0.008642	0.008682	0.008193	8.593293	4.974042	
6.552976		7.214625					
SB	191Y	WK01	0.091120	0.043250	0.060605	0.063187	
0.010049		0.008554	0.008563	0.008138	9.067143	5.056207	
7.077979		7.764697					
WH2	191Y	GS136	0.084732	0.036329	0.042529	0.047375	
0.010620		0.009443	0.009591	0.009348	7.978538	3.847124	
4.434371		5.068028					
WH2	191Y	HV74	0.092561	0.044359	0.056937	0.063144	
0.010156		0.008817	0.008610	0.008277	9.113884	5.031083	
6.613079		7.629173					
WH2	191Y	VD-1838	0.082784	0.039568	0.049957	0.053305	
0.010090		0.008635	0.008793	0.008264	8.204551	4.582407	
5.681646		6.450366					
WH2	191Y	WK01	0.087495	0.041243	0.055061	0.059804	
0.009799		0.008413	0.008601	0.008094	8.928554	4.902391	
6.401582		7.388685					
NB	Adm1	GS136	0.066457	0.037820	0.053780	0.053086	
0.010344		0.008926	0.008846	0.008768	6.424960	4.237220	
6.079386		6.054216					
NB	Adm1	HV74	0.064562	0.033163	0.043859	0.042316	
0.009940		0.008291	0.008005	0.007824	6.494894	4.000030	
5.478646		5.408763					
NB	Adm1	VD-1838	0.063597	0.035038	0.044281	0.040356	
0.010137		0.008347	0.008244	0.007970	6.273540	4.197575	
5.371281		5.063448					
NB	Adm1	WK01	0.061469	0.032505	0.044078	0.040795	
0.009871		0.008187	0.007944	0.007813	6.227501	3.970159	
5.548363		5.221356					
SB	Adm1	GS136	0.065200	0.035470	0.060448	0.057039	
0.010506		0.009313	0.008975	0.008740	6.206075	3.808804	
6.735392		6.525985					
SB	Adm1	HV74	0.066471	0.034932	0.053245	0.049689	
0.010219		0.008698	0.008325	0.007976	6.504648	4.015877	
6.395997		6.229909					
SB	Adm1	VD-1838	0.064384	0.037068	0.053479	0.048962	
0.010545		0.008734	0.008584	0.008309	6.105790	4.244042	
6.230273		5.892703					
SB	Adm1	WK01	0.060979	0.032875	0.050805	0.045831	
0.010158		0.008474	0.008147	0.007917	6.003126	3.879433	
6.235796		5.788871					
WH2	Adm1	GS136	0.059406	0.030870	0.049100	0.048573	
0.010422		0.009215	0.009098	0.008816	5.700172	3.350194	
5.396619		5.509719					
WH2	Adm1	HV74	0.063940	0.034384	0.045871	0.045047	
0.010123		0.008778	0.008352	0.008088	6.316621	3.916887	
5.492114		5.569829					
WH2	Adm1	VD-1838	0.059107	0.033403	0.045383	0.042385	
0.010163		0.008727	0.008622	0.008239	5.816142	3.827638	
5.263430		5.144182					
WH2	Adm1	WK01	0.059327	0.031444	0.044587	0.041886	
0.009830		0.008349	0.008191	0.007901	6.035263	3.766373	
5.443297		5.301397					

NB	Ge	GS136	0.098355	0.061163	0.060619	0.055240
0.009750		0.008698	0.008608	0.008311	10.087633	7.031437
7.042428		6.646820				
NB	Ge	HV74	0.105036	0.066017	0.066462	0.065591
0.009401		0.008147	0.007776	0.007605	11.173280	8.102827
8.546667		8.624700				
NB	Ge	VD-1838	0.098546	0.059234	0.060309	0.057680
0.009502		0.008265	0.008096	0.007718	10.371344	7.166920
7.449545		7.473675				
NB	Ge	WK01	0.097711	0.058411	0.062432	0.059964
0.009192		0.007978	0.007876	0.007546	10.630164	7.321368
7.926955		7.946771				
SB	Ge	GS136	0.099590	0.061673	0.070290	0.064345
0.009969		0.008787	0.008713	0.008459	9.990134	7.018945
8.067355		7.606425				
SB	Ge	HV74	0.107410	0.066188	0.076159	0.074008
0.009563		0.008207	0.007900	0.007684	11.231424	8.064942
9.640643		9.630855				
SB	Ge	VD-1838	0.100721	0.061722	0.069779	0.068069
0.009660		0.008468	0.008251	0.007872	10.426082	7.289146
8.456738		8.647403				
SB	Ge	WK01	0.101391	0.061330	0.072687	0.069455
0.009421		0.008125	0.007932	0.007627	10.762678	7.548205
9.163576		9.106831				
WH2	Ge	GS136	0.095063	0.057037	0.062222	0.056929
0.010148		0.008892	0.008924	0.008570	9.367615	6.414111
6.972765		6.643023				
WH2	Ge	HV74	0.107578	0.066193	0.072482	0.071765
0.009542		0.008492	0.008089	0.007842	11.274096	7.794928
8.960906		9.151309				
WH2	Ge	VD-1838	0.095640	0.057827	0.063897	0.061986
0.009524		0.008472	0.008299	0.007846	10.041667	6.825508
7.699032		7.900652				
WH2	Ge	WK01	0.097899	0.057409	0.065652	0.063784
0.009202		0.008208	0.008059	0.007715	10.639165	6.994157
8.146881		8.267423				
NB	Den	GS136	0.067592	0.036098	0.041672	0.041709
0.010087		0.008764	0.008825	0.008619	6.700788	4.118778
4.722031		4.839167				
NB	Den	HV74	0.068550	0.038139	0.039050	0.036493
0.009529		0.008444	0.008054	0.007925	7.194131	4.516587
4.848665		4.604693				
NB	Den	VD-1838	0.061927	0.034252	0.033057	0.029691
0.009719		0.008444	0.008268	0.007987	6.371892	4.056212
3.998160		3.717446				
NB	Den	WK01	0.060292	0.030934	0.034014	0.031414
0.009558		0.008215	0.008009	0.007804	6.307906	3.765809
4.246759		4.025317				
SB	Den	GS136	0.067871	0.035893	0.051939	0.049423
0.010292		0.009069	0.009006	0.008690	6.594283	3.957689
5.766980		5.687060				
SB	Den	HV74	0.068930	0.037384	0.047018	0.043346
0.009574		0.008734	0.008176	0.007928	7.199657	4.280361
5.750653		5.467775				
SB	Den	VD-1838	0.064517	0.036004	0.042708	0.039135
0.009978		0.008776	0.008426	0.008117	6.465972	4.102338
5.068831		4.821128				
SB	Den	WK01	0.061464	0.031783	0.040758	0.038035
0.009594		0.008530	0.008045	0.007756	6.406228	3.725955
5.066292		4.904271				
WH2	Den	GS136	0.064240	0.030988	0.038449	0.039361

0.010419		0.009084		0.009306		0.008956		6.165763		3.411156
4.131575		4.394871								
WH2	Den	HV74	0.069053		0.036368		0.041590		0.041233	
0.009698		0.008851		0.008387		0.008133		7.120015		4.108868
4.959084		5.070060								
WH2	Den	VD-1838	0.060222		0.032029		0.036381		0.034643	
0.009789		0.008800		0.008583		0.008216		6.151775		3.639547
4.238620		4.216597								
WH2	Den	WK01	0.059150		0.029050		0.034216		0.033960	
0.009405		0.008388		0.008254		0.007893		6.289311		3.463166
4.145265		4.302343								
NB	LS039	GS136	0.085931		0.046342		0.053552		0.055186	
0.010276		0.009118		0.009056		0.008893		8.362065		5.082281
5.913132		6.205777								
NB	LS039	HV74	0.092653		0.048985		0.061537		0.061937	
0.009750		0.008734		0.008550		0.008403		9.503183		5.608765
7.197200		7.371092								
NB	LS039	VD-1838	0.087699		0.047933		0.059019		0.056901	
0.009946		0.008728		0.008579		0.008265		8.817764		5.491757
6.879251		6.884757								
NB	LS039	WK01	0.089319		0.046968		0.059798		0.059038	
0.009790		0.008456		0.008366		0.008101		9.123472		5.554166
7.147702		7.287515								
SB	LS039	GS136	0.087926		0.048026		0.063185		0.065325	
0.010549		0.009308		0.009079		0.009001		8.335377		5.159876
6.959295		7.257712								
SB	LS039	HV74	0.093070		0.048383		0.069209		0.069275	
0.009951		0.008883		0.008550		0.008402		9.352644		5.446379
8.094635		8.245122								
SB	LS039	VD-1838	0.089820		0.048616		0.067023		0.064694	
0.010191		0.008817		0.008617		0.008395		8.813963		5.513676
7.777993		7.706641								
SB	LS039	WK01	0.091940		0.047727		0.066435		0.066423	
0.010033		0.008536		0.008395		0.008248		9.163614		5.591256
7.913450		8.053431								
WH2	LS039	GS136	0.083787		0.043387		0.051798		0.056393	
0.010490		0.009257		0.009411		0.009143		7.987593		4.686822
5.503966		6.167850								
WH2	LS039	HV74	0.093135		0.047830		0.063968		0.066765	
0.009861		0.008927		0.008762		0.008493		9.444406		5.357921
7.300356		7.860847								
WH2	LS039	VD-1838	0.086464		0.046307		0.061601		0.060952	
0.010011		0.008891		0.008852		0.008537		8.637263		5.208414
6.958756		7.139473								
WH2	LS039	WK01	0.089596		0.044066		0.061409		0.062656	
0.009714		0.008510		0.008577		0.008261		9.222887		5.178024
7.159598		7.584343								
SB	NB	GS136	0.017732		0.028670		0.018396		-0.013822	
0.035546		0.036138		0.035884		0.032170		0.498839		0.793355
0.512651		-0.429661								
SB	NB	HV74	0.034219		0.033542		0.025133		0.001213	
0.032835		0.031004		0.030893		0.026756		1.042144		1.081842
0.813569		0.045339								
SB	NB	VD-1838	0.029034		0.020447		0.008822		-0.007414	
0.033245		0.030464		0.030734		0.028363		0.873319		0.671179
0.287046		-0.261390								
SB	NB	WK01	0.018303		0.018759		0.011206		-0.004669	
0.032733		0.030216		0.029121		0.027446		0.559162		0.620833
0.384794		-0.170102								
WH2	NB	GS136	-0.009530		0.011107		0.009312		-0.006743	
0.033654		0.034211		0.035552		0.030240		-0.283182		0.324669

0.261933			-0.222981				
WH2	NB	HV74	0.005725	0.016548	0.030471	0.030071	
0.030886		0.031223	0.028923	0.025422	0.185349	0.530010	
1.053535		1.182858					
WH2	NB	VD-1838	-0.005261	0.011323	0.015449	0.029987	
0.031888		0.030242	0.029970	0.027724	-0.164972	0.374400	
0.515491		1.081624					
WH2	NB	WK01	0.009781	0.009762	0.013548	0.019224	
0.028990		0.028797	0.027301	0.025419	0.337414	0.339006	
0.496225		0.756279					
NB	SB	GS136	-0.017732	-0.028670	-0.018396	0.013822	
0.035546		0.036138	0.035884	0.032170	-0.498839	-0.793355	
-0.512651		0.429661					
NB	SB	HV74	-0.034219	-0.033542	-0.025133	-0.001213	
0.032835		0.031004	0.030893	0.026756	-1.042144	-1.081842	
-0.813569		-0.045339					
NB	SB	VD-1838	-0.029034	-0.020447	-0.008822	0.007414	
0.033245		0.030464	0.030734	0.028363	-0.873319	-0.671179	
-0.287046		0.261390					
NB	SB	WK01	-0.018303	-0.018759	-0.011206	0.004669	
0.032733		0.030216	0.029121	0.027446	-0.559162	-0.620833	
-0.384794		0.170102					
WH2	SB	GS136	-0.018453	-0.035950	0.006235	0.017477	
0.037688		0.035398	0.036153	0.031037	-0.489624	-1.015598	
0.172472		0.563096					
WH2	SB	HV74	-0.038583	-0.038511	-0.004025	0.018511	
0.036382		0.030530	0.030047	0.027797	-1.060491	-1.261389	
-0.133946		0.665929					
WH2	SB	VD-1838	-0.051073	-0.031283	0.000828	0.019788	
0.037522		0.031512	0.031159	0.028845	-1.361141	-0.992712	
0.026560		0.686022					
WH2	SB	WK01	-0.015565	-0.025850	-0.003080	0.026489	
0.035089		0.029551	0.028300	0.026722	-0.443587	-0.874779	
-0.108830		0.991267					
NB	Swe	GS136	0.086463	0.046836	0.057021	0.055066	
0.010198		0.009037	0.009268	0.008946	8.478669	5.182743	
6.152450		6.155426					
NB	Swe	HV74	0.093088	0.051214	0.063639	0.062952	
0.009657		0.008357	0.008365	0.008065	9.639865	6.127943	
7.607967		7.805297					
NB	Swe	VD-1838	0.084885	0.045454	0.057631	0.057515	
0.009920		0.008760	0.008661	0.008254	8.557281	5.188560	
6.654343		6.968381					
NB	Swe	WK01	0.086215	0.045910	0.060921	0.059443	
0.009792		0.008504	0.008373	0.008006	8.804921	5.398624	
7.275537		7.425293					
SB	Swe	GS136	0.088129	0.049510	0.064879	0.061159	
0.010306		0.009408	0.009251	0.009016	8.550868	5.262610	
7.012986		6.783278					
SB	Swe	HV74	0.093424	0.049351	0.069941	0.067822	
0.009746		0.008503	0.008452	0.008021	9.585754	5.803803	
8.274696		8.455151					
SB	Swe	VD-1838	0.087001	0.045552	0.063851	0.065060	
0.009924		0.009007	0.008781	0.008337	8.766854	5.057159	
7.271571		7.803927					
SB	Swe	WK01	0.088725	0.046271	0.066629	0.065183	
0.009730		0.008626	0.008514	0.008196	9.118635	5.363866	
7.826078		7.953060					
WH2	Swe	GS136	0.080509	0.044752	0.056585	0.055664	
0.010351		0.009293	0.009445	0.009034	7.777599	4.815660	
5.990941		6.161455					

WH2	Swe	HV74	0.091211	0.050593	0.066338	0.067846
0.009719		0.008555	0.008563	0.008065	9.384625	5.913880
7.747205		8.412068				
WH2	Swe	VD-1838	0.081367	0.044636	0.058748	0.061920
0.009896		0.009010	0.008857	0.008378	8.222564	4.953840
6.632761		7.391121				
WH2	Swe	WK01	0.084309	0.046060	0.063069	0.063453
0.009592		0.008588	0.008480	0.008052	8.789498	5.363498
7.437476		7.880790				
NB	Uap	GS136	0.119758	0.064678	-0.046880	-0.124372
0.010874		0.009517	0.009726	0.009233	11.013343	6.796083
-4.820198		-13.469740				
NB	Uap	HV74	0.126114	0.073569	-0.026906	-0.094680
0.009521		0.008473	0.008226	0.007778	13.245301	8.682512
-3.270856		-12.172289				
NB	Uap	VD-1838	0.126515	0.079798	-0.016418	-0.084392
0.009733		0.008651	0.008608	0.007995	12.998838	9.223910
-1.907266		-10.555070				
NB	Uap	WK01	0.124246	0.070842	-0.023773	-0.094237
0.009324		0.008428	0.008232	0.007628	13.324983	8.405142
-2.888033		-12.353368				
SB	Uap	GS136	0.119215	0.065484	-0.039507	-0.115705
0.010879		0.009766	0.009788	0.009116	10.958293	6.705364
-4.036467		-12.692895				
SB	Uap	HV74	0.123960	0.073048	-0.022397	-0.087837
0.009758		0.008568	0.008374	0.008006	12.704024	8.525553
-2.674672		-10.971571				
SB	Uap	VD-1838	0.128105	0.080572	-0.009413	-0.074481
0.009971		0.008826	0.008925	0.008404	12.847560	9.129439
-1.054635		-8.862443				
SB	Uap	WK01	0.125368	0.071199	-0.019524	-0.087292
0.009565		0.008480	0.008458	0.007757	13.106576	8.395874
-2.308375		-11.253850				
WH2	Uap	GS136	0.113485	0.057704	-0.052416	-0.131260
0.011155		0.009933	0.009931	0.009220	10.173951	5.809149
-5.278210		-14.235867				
WH2	Uap	HV74	0.123325	0.074790	-0.025377	-0.091759
0.009659		0.008696	0.008518	0.007906	12.767812	8.600927
-2.979136		-11.606074				
WH2	Uap	VD-1838	0.122248	0.078085	-0.016285	-0.082160
0.009885		0.008987	0.008969	0.008270	12.366771	8.688546
-1.815774		-9.934881				
WH2	Uap	WK01	0.120394	0.070701	-0.024271	-0.092778
0.009413		0.008560	0.008440	0.007659	12.789468	8.259670
-2.875834		-12.114103				
NB	WH2	GS136	0.009530	-0.011107	-0.009312	0.006743
0.033654		0.034211	0.035552	0.030240	0.283182	-0.324669
-0.261933		0.222981				
NB	WH2	HV74	-0.005725	-0.016548	-0.030471	-0.030071
0.030886		0.031223	0.028923	0.025422	-0.185349	-0.530010
-1.053535		-1.182858				
NB	WH2	VD-1838	0.005261	-0.011323	-0.015449	-0.029987
0.031888		0.030242	0.029970	0.027724	0.164972	-0.374400
-0.515491		-1.081624				
NB	WH2	WK01	-0.009781	-0.009762	-0.013548	-0.019224
0.028990		0.028797	0.027301	0.025419	-0.337414	-0.339006
-0.496225		-0.756279				
SB	WH2	GS136	0.018453	0.035950	-0.006235	-0.017477
0.037688		0.035398	0.036153	0.031037	0.489624	1.015598
-0.172472		-0.563096				
SB	WH2	HV74	0.038583	0.038511	0.004025	-0.018511

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0.036382      0.030530      0.030047      0.027797      1.060491      1.261389
0.133946      -0.665929
SB      WH2      VD-1838 0.051073      0.031283      -0.000828      -0.019788
0.037522      0.031512      0.031159      0.028845      1.361141      0.992712
-0.026560      -0.686022
SB      WH2      WK01      0.015565      0.025850      0.003080      -0.026489
0.035089      0.029551      0.028300      0.026722      0.443587      0.874779
0.108830      -0.991267
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