

Table S8 The list of 66 genomic regions harboring both XP-EHH and PBS signals in the Ainu, including top signal SNPs and the closest genes.

Region	XP-EHH				PBS			
	Top SNP	Top signal	Gene	Distance (kb)	Top SNP	Top signal	Gene	Distance (kb)
chr1:30817753-31217752	rs1188387	3.442	<i>MATN1</i>	34	rs4949290	1.470	<i>LAPTM5</i>	1
chr1:54467753-54967752	rs12734042	2.848	<i>SSBP3</i>	34	rs3753405	1.798	<i>SSBP3</i>	0
chr1:162017753-163067752	rs3927641	3.743	<i>NOS1AP</i>	0	rs10919316	1.280	<i>C1orf226</i>	3
chr1:175517753-175717752	rs10913052	3.039	<i>TNR</i>	0	rs12049604	1.065	<i>TNR</i>	0
chr1:232317753-232817752	rs12731562	2.990	<i>SIPAIL2</i>	0	rs10910538	1.219	<i>SIPAIL2</i>	0
chr2:13665703-13765702	rs2140525	2.852	<i>TRIB2</i>	794	rs6432398	1.108	<i>TRIB2</i>	814
chr2:48915703-49265702	rs4953650	3.031	<i>FSHR</i>	0	rs2268359	0.858	<i>FSHR</i>	0
chr2:133465703-133765702	rs7606532	3.125	<i>NCKAP5</i>	0	rs16841046	2.091	<i>NCKAP5</i>	0
chr2:134115703-134615702	rs1004045	3.316	<i>NCKAP5</i>	277	rs2012254	1.063	<i>NCKAP5</i>	0
chr2:139365703-139665702	rs12612135	3.312	<i>NXPH2</i>	107	rs10172094	1.110	<i>NXPH2</i>	113
chr2:150815703-151615702	rs2879927	2.945	<i>RND3</i>	129	rs16827946	1.128	<i>RND3</i>	287
chr3:11619244-11869243	rs301551	3.200	<i>TAMM41</i>	34	rs7618099	1.434	<i>TAMM41</i>	0
chr3:71269244-71369243	rs1522174	2.748	<i>FOXP1</i>	0	rs2037477	1.188	<i>FOXP1</i>	0
chr3:76769244-77219243	rs774590	3.290	<i>ROBO2</i>	268	rs1166980	1.150	<i>ROBO2</i>	160
chr3:77969244-78719243	rs1495598	3.624	<i>ROBO2</i>	407	rs4680999	2.217	<i>ROBO1</i>	33
chr3:80919244-81419243	rs17018503	3.151	<i>GBE1</i>	395	rs11714085	1.110	<i>GBE1</i>	189
chr3:95219244-96119243	rs6767219	3.676	<i>EPHA6</i>	439	rs9826768	2.510	<i>EPHA6</i>	906
chr3:136969244-137319243	rs1542535	2.632	<i>IL20RB</i>	336	rs12490164	1.566	<i>SOX14</i>	287
chr4:36418911-36518910	rs10001470	2.724	<i>DTHD1</i>	115	rs6531440	0.777	<i>DTHD1</i>	89
chr4:86718911-87218910	rs3796625	2.862	<i>ARHGAP24</i>	0	rs345326	1.910	<i>ARHGAP24</i>	0
chr4:111768911-112268910	rs12642421	2.965	<i>PITX2</i>	682	rs17042632	1.427	<i>PITX2</i>	352
chr4:188818911-189118910	rs7375901	3.959	<i>TRIML1</i>	13	rs12500011	1.102	<i>TRIML2</i>	0

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	Top SNP	Top signal	Gene	Distance (kb)	Top SNP	Top signal	Gene	Distance (kb)
chr5:17886344-18786343	rs6876500	2.789	<i>BASP1</i>	694	rs17631488	1.311	<i>CDH18</i>	695
chr5:77636344-79536343	rs784589	3.872	<i>ARSB</i>	0	rs16877259	1.451	<i>CMYA5</i>	44
chr6:4542106-5642105	rs12190412	3.696	<i>LYRM4</i>	0	rs7767658	1.756	<i>CDYL</i>	56
chr6:6792106-7592105	rs2764092	3.396	<i>SSR1</i>	0	rs9328401	1.753	<i>RREB1</i>	0
chr6:96142106-96692105	rs4839726	2.902	<i>MANEA</i>	106	rs4840245	1.594	<i>FUT9</i>	0
chr6:139742106-139992105	rs17406820	2.928	<i>CITED2</i>	74	rs9495561	1.430	<i>CITED2</i>	290
chr7:11293259-11893258	rs7782151	3.009	<i>THSD7A</i>	0	rs17165101	1.098	<i>THSD7A</i>	0
chr7:125743259-126093258	rs17149771	2.766	<i>GRM8</i>	2	rs671524	1.070	<i>GRM8</i>	280
chr7:134243259-134793258	rs6955887	3.554	<i>AKR1B15</i>	0	rs12666741	0.834	<i>BPGM</i>	9
chr7:152993259-153393258	rs84034	2.789	<i>ACTR3B</i>	475	rs6958821	1.259	<i>DPP6</i>	331
chr8:77365982-77515981	rs13259565	2.857	<i>ZFHX4</i>	151	rs16939290	1.083	<i>ZFHX4</i>	156
chr9:7646587-8196586	rs4742455	3.164	<i>PTPRD</i>	196	rs2026463	1.078	<i>C9orf123</i>	48
chr9:71946587-72596586	rs11139898	3.103	<i>PTAR1</i>	9	rs1493048	1.160	<i>C9orf135</i>	42
chr9:93596587-93946586	rs192703	2.988	<i>SYK</i>	69	rs16907244	1.594	<i>AUH</i>	30
chr9:106346587-106596586	rs7034565	2.758	<i>SMC2</i>	326	rs10990903	1.741	<i>SMC2</i>	402
chr9:114246587-114896586	rs7030655	2.722	<i>C9orf84</i>	0	rs10981136	1.039	<i>UGCG</i>	14
chr9:121296587-121446586	rs7871273	3.055	<i>DBC1</i>	535	rs7024908	1.328	<i>DBC1</i>	585
chr9:133296587-133696586	rs1215988	2.796	<i>ASS1</i>	0	rs476067	1.497	<i>ASS1</i>	0
chr9:134596587-134996586	rs3012755	4.001	<i>MED27</i>	55	rs2987405	0.935	<i>MED27</i>	0
chr10:1604427-2054426	rs4457675	2.985	<i>ADARB2</i>	52	rs17156778	1.811	<i>ADARB2</i>	0
chr11:70798510-71548509	rs1792287	3.075	<i>DHCR7</i>	88	rs7125171	1.215	<i>DHCR7</i>	28
chr11:72198510-72698509	rs341078	2.692	<i>PDE2A</i>	30	rs11235622	1.415	<i>FCHSD2</i>	0

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	Top SNP	Top signal	Gene	Distance (kb)	Top SNP	Top signal	Gene	Distance (kb)
chr11:74498510-74998509	rs1111425	4.036	<i>XRR1</i>	0	rs3824903	1.119	<i>SLCO2B1</i>	0
chr11:116498510-117048509	rs7123583	3.777	<i>BUD13 / APOA5</i>	19 / 60	rs2186670	1.697	<i>BUD13 / APOA5</i>	87 / 128
chr11:124598510-125198509	rs600702	3.077	<i>PKNOX2</i>	0	rs7129737	0.960	<i>ROBO4</i>	0
chr12:341619-1091618	rs524468	3.675	<i>SLC6A13</i>	0	rs2305164	2.294	<i>SLC6A13</i>	0
chr12:3641619-4041618	rs12370980	3.012	<i>EFCAB4B</i>	0	rs11062788	1.290	<i>EFCAB4B</i>	0
chr12:51791619-52641618	rs7974792	3.104	<i>SLC4A8</i>	0	rs17126441	0.841	<i>LOC283403</i>	0
chr12:52991619-53341618	rs694714	2.706	<i>KRT72</i>	0	rs17116681	2.050	<i>KRT72</i>	0
chr12:70991619-71491618	rs11178602	3.162	<i>TSPAN8</i>	27	rs2717420	1.090	<i>PTPRB</i>	0
chr12:108441619-108941618	rs1515633	2.670	<i>CMKLR1</i>	42	rs4964714	1.168	<i>FICD</i>	36
chr14:84274003-84674002	rs17119226	3.274	<i>FLRT2</i>	1639	rs4904162	1.168	<i>FLRT2</i>	1382
chr14:99624003-99924002	rs807734	2.791	<i>BCL11B</i>	0	rs17098384	1.503	<i>BCL11B</i>	0
chr15:28021673-28221672	rs4778192	2.629	<i>OCA2</i>	0	rs1800414	1.379	<i>OCA2</i>	0
chr15:34021673-34271672	rs1036004	2.720	<i>RYR3</i>	0	rs7496144	1.237	<i>AVEN</i>	0
chr15:50821673-51771672	rs17647084	3.183	<i>TNFAIP8L3</i>	0	rs2899473	1.444	<i>CYP19A1</i>	0
chr15:53571673-54121672	rs4776161	2.986	<i>WDR72</i>	0	rs518263	1.962	<i>WDR72</i>	0
chr15:92271673-92771672	rs17696427	3.387	<i>SLCO3A1</i>	12	rs8032332	1.006	<i>SLCO3A1</i>	75
chr16:51945481-52445480	rs2010842	3.459	<i>TOX3</i>	151	rs12597728	1.598	<i>TOX3</i>	119
chr16:84745481-85245480	rs8058723	3.215	<i>FAM92B</i>	99	rs16974564	0.999	<i>USP10</i>	0
chr18:49836305-50186304	rs12607660	3.027	<i>DCC</i>	0	rs919634	1.378	<i>DCC</i>	9
chr18:59486305-59586304	rs7505697	3.428	<i>RNF152</i>	0	rs12607798	1.123	<i>RNF152</i>	5
chr20:2961795-3461794	rs6133002	3.133	<i>PTPRA</i>	0	rs6107292	1.474	<i>ATRN</i>	11
chr20:43961795-44611794	rs459681	2.861	<i>SPINT4</i>	18	rs6032336	2.468	<i>WFDC8</i>	0