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Worldwide patterns of human epigenetic variation

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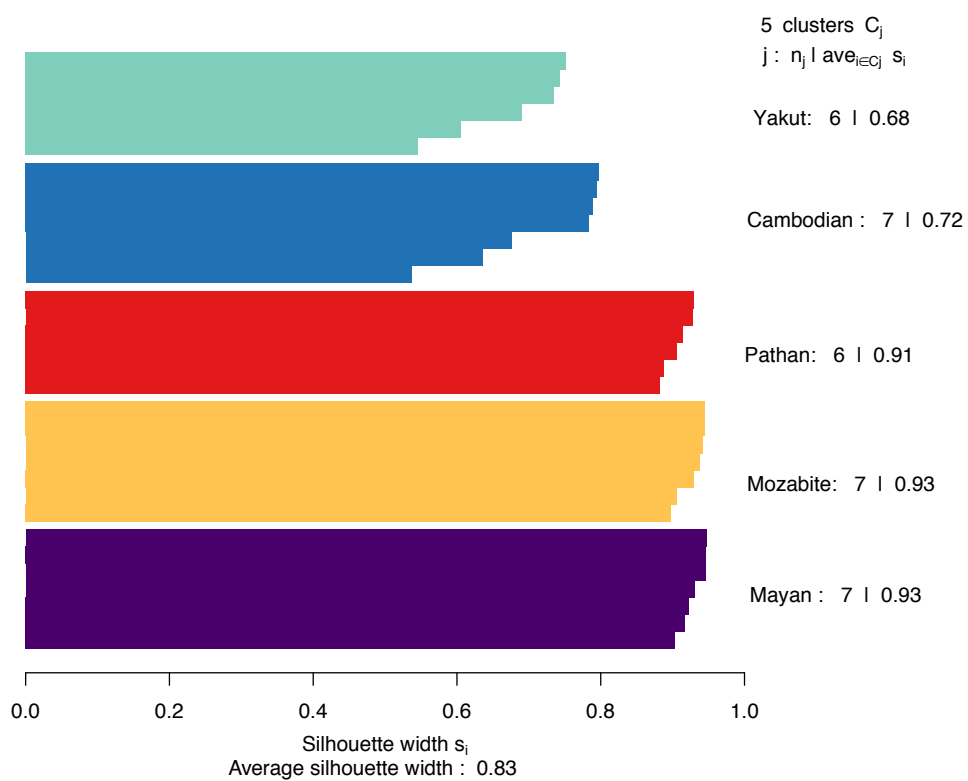


Figure 1. Silhouette plots using SNPs. Average Silhouette cluster score (SCS) is 0.83.

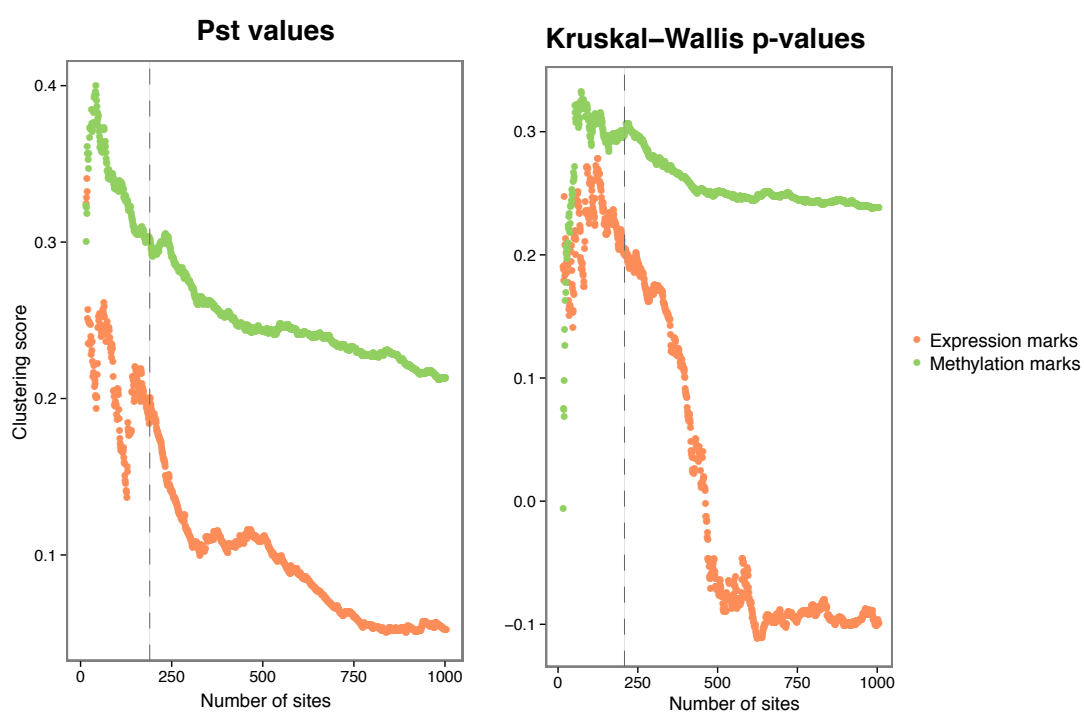


Figure 2. Silhouette cluster score (SCS) as a function of number of sites used. Left panel: using P_{st} values. Right panel: Using Kruskal-Wallis p-values.

Site	Array K-W p-value	Pyrosequencing K-W p-value
cg19400238	7.736e-05	0.0005818
cg23629393	8.958e-05	9.736e-05
cg23724489	8.688e-05	0.0005995

Table 1. Comparing K-W p-values between array and pyrosequencing.

Population	Cambodian	Mozabite	Pathan	Yakut	Maya
Cambodian	0	1000	750	2250	2500
Mozabite		0	250	1750	2000
Pathan			0	1500	1750
Yakut				0	250
Maya					0

Table 2. Minimum pairwise population separation times in generations, for a generation length of 20 years.

Population	Cambodian	Mozabite	Pathan	Yakut	Maya
Cambodian	0	2000	1250	3250	3750
Mozabite		0	750	2750	3200
Pathan			0	2000	2500
Yakut				0	500
Maya					0

Table 3. Maximum pairwise population separation times in generations, for a generation length of 20 years.

Table 4. 79 CpG sites with a K-W $p < 0.001$ that overlap with CpG sites previously identified in a study of three populations (Heyn et al, 2013).

TargetID	KW.p.values
cg00023726	0.000989262
cg00082540	0.000812059
cg00390259	0.000508528
cg00916659	0.00045733
cg00978051	0.000885423
cg01354879	0.000319984
cg02054542	0.000940344
cg02150582	0.000583994
cg02180737	0.00023153
cg02259934	0.000546487
cg02367160	0.00096147
cg02434051	0.000950591
cg02526790	0.000708156
cg02582218	0.000361472
cg02749804	0.000760247
cg03142256	0.000623096
cg03422252	0.000896147
cg03625684	0.000447887
cg03699663	0.00070631
cg03724896	0.000641055
cg05018034	0.00093182
cg05753799	0.000766468
cg06088782	0.000902878
cg06120979	0.000504548
cg06183287	0.000798853

cg06690548	0.000549354
cg07126399	0.000674256
cg07300384	0.000423283
cg07748253	0.000478376
cg08734527	0.000822083
cg09027155	0.000937087
cg09115607	0.000996684
cg09319125	0.000939121
cg09363076	0.000848463
cg09487985	0.000967637
cg10219789	0.000384109
cg10284406	0.000661179
cg10575986	0.000203554
cg11393995	0.000981682
cg11509479	0.000275041
cg12225651	0.000404993
cg12392684	0.00042831
cg12415455	0.000361274
cg12816706	0.000758267
cg13482309	0.000962721
cg13580226	0.000862948
cg14145896	0.000612934
cg14910227	0.000640218
cg15556723	0.00067624
cg16214440	0.000555679
cg16326062	0.000878535
cg16679630	0.000766468
cg17247122	0.00050659

cg17372047	0.000852894
cg17962547	0.000310176
cg18241469	0.000481783
cg18264298	0.000467481
cg18991321	0.000845155
cg19262683	0.00055829
cg19360308	0.000475045
cg19706446	0.000285872
cg19953847	0.000651749
cg20234767	0.000699583
cg20395892	0.000904446
cg21476599	0.000924274
cg22207672	0.000881207
cg23629393	8.96E-05
cg23713998	0.000900824
cg24447775	0.000218665
cg24844377	0.00080933
cg24932312	0.000937596
cg25080924	0.000371216
cg25827144	0.000958869
cg26393630	0.000206418
cg26974222	0.000517766
cg27192708	0.000394889
cg27574973	0.000561709
cg27587033	0.000268597
cg27619840	0.000881207
