

Table S2: Comparison of the hla-mapper workflow and PING in 25 samples from Brazil

Sample	hla-mapper ^a (CDS)	PING ^b	Notes
01	KIR2DL4*00501, KIR2DL4*00801	KIR2DL4*00501, KIR2DL4*00801	identical results
02	KIR2DL4*00501, KIR2DL4*00501	KIR2DL4*00501, new.allele.near (*00502)	PING failed rs11371265, all other results are identical
03	KIR2DL4*00102, KIR2DL4*00801	KIR2DL4*00102, KIR2DL4*00801	identical results
04	KIR2DL4*00501, KIR2DL4*00801	KIR2DL4*00501, KIR2DL4*00801	identical results
05	KIR2DL4*00102, KIR2DL4*00501	KIR2DL4*00102, new.allele.near (*00502)	PING failed rs11371265, all other results are identical
06	KIR2DL4*00102, KIR2DL4*00801	KIR2DL4*00102, KIR2DL4*00801	identical results
07	KIR2DL4*00801, KIR2DL4*01101	KIR2DL4*00801, KIR2DL4*01101	identical results
08	KIR2DL4*00103, KIR2DL4*00602	KIR2DL4*00103, KIR2DL4*00602	identical results
09	KIR2DL4*00102, KIR2DL4*00501	KIR2DL4*00102, new.allele.near (*00502)	PING failed rs11371265, all other results are identical
10	KIR2DL4*00801, KIR2DL4*00801	KIR2DL4*00801, KIR2DL4*00801	identical results
11	KIR2DL4*00501, KIR2DL4*00801	KIR2DL4*00501, KIR2DL4*00801	identical results
12	KIR2DL4*00501, KIR2DL4*00802	KIR2DL4*00501, KIR2DL4*00802	identical results
13	KIR2DL4*00501, KIR2DL4*00501	KIR2DL4*00501, KIR2DL4*00501	identical results
14	KIR2DL4*00501, KIR2DL4*01101	KIR2DL4*00501, KIR2DL4*01101	identical results
15	KIR2DL4*00802, KIR2DL4*01101	KIR2DL4*00802, KIR2DL4*01101	identical results
16	KIR2DL4*00102, KIR2DL4*01101	KIR2DL4*00102, KIR2DL4*01101	identical results
17	KIR2DL4*00501, KIR2DL4*00801	KIR2DL4*00501, KIR2DL4*00801	identical results
18	KIR2DL4*00802, KIR2DL4*01101	KIR2DL4*00802, KIR2DL4*01101	identical results
19	KIR2DL4*00501, KIR2DL4*00801	KIR2DL4*00501, KIR2DL4*00801	identical results
20	KIR2DL4*00102, KIR2DL4*00102	KIR2DL4*00102, new.allele.near (*00103)	PING failed rs11371265, all other results are identical
21	KIR2DL4*00103, KIR2DL4*00501	KIR2DL4*00103, new.allele.near (*00502)	PING failed rs11371265, all other results are identical
22	KIR2DL4*00102, KIR2DL4*00801	KIR2DL4*00102, KIR2DL4*00801	identical results
23	KIR2DL4*00102, KIR2DL4*00501	KIR2DL4*00102, new.allele.near (*00502)	PING failed rs11371265, all other results are identical
24	KIR2DL4*00501, KIR2DL4*00801	KIR2DL4*00501, KIR2DL4*00801	identical results
25	KIR2DL4*01101, new.snp	KIR2DL4*01101, new.snp	identical results

a) hla-mapper workflow: hla-mapper for read alignment, vcfx for variant refinement, GATK HaplotypeCaller for genotype calls, phasex for haplotype estimation. b) The first version of PING, downloaded from <https://hollenbachlab.ucsf.edu/ping>