







































One unphased data expands to a large

In each region, an individual's haplotype pair is randomly selected based on the estimated frequencies to account for the

Haplotypes with low frequencies (~5-10%) should have some representations.











Simulation Studies (2 loci)												
Model	f_{22}	f_{21}	f_{20}	f_{12}	f_{11}	f_{10}	f ₀₂	f_{01}	f ₀₀	f	p_1	<i>p</i> ,
Ep-1	f	f	0	f	f	0	0	0	0	0.707	0.210	0.21
Ep-2	f	f	0	0	0	0	0	0	0	0.778	0.600	0.19
Ep-3	f	0	0	0	0	0	0	0	0	0.900	0.577	0.57
Ep-4	f	f	0	f	0	0	f	0	0	0.911	0.372	0.24
Ep-5	f	f	0	f	0	0	0	0	0	0.799	0.349	0.34
Ep-6	0	f	f	f	0	0	f	0	0	1.000	0.190	0.19
Het-1	g	g	f	8	8	f	f	f	0	0.495	0.053	0.05
Het-2	8	g	f	f	f	0	f	f	0	0.660	0.279	0.04
Het-3	8	f	f	f	0	0	f	0	0	1.000	0.194	0.19
S-1	f	f	f	f	f	f	f	f	0	0.522	0.052	0.05
S-2	1	1	1	f	f	0	f	f	0	0.574	0.228	0.04
S-3	1	1	f	1	f	0	f	0	0	0.512	0.194	0.19
Ad-1	f	f	0.04	f	0.304	0.02	0.01	0.01	0.01	0.799	0.349	0.34
Ad-2	f	f	0.15	f	0.324	0.10	0.05	0.05	0.05	0.799	0.349	0.34











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