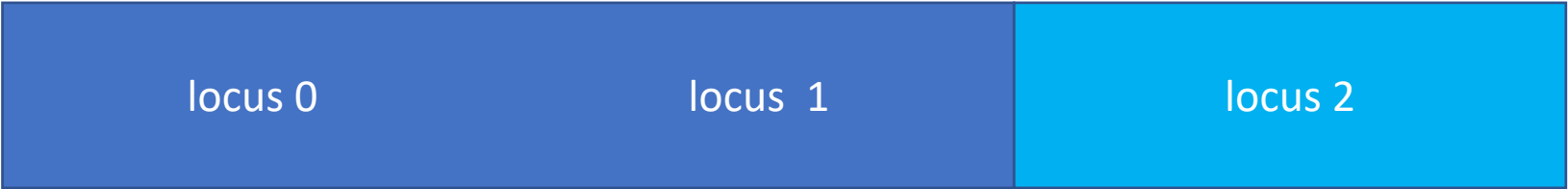


Genomic setup:

Genomic element: g1

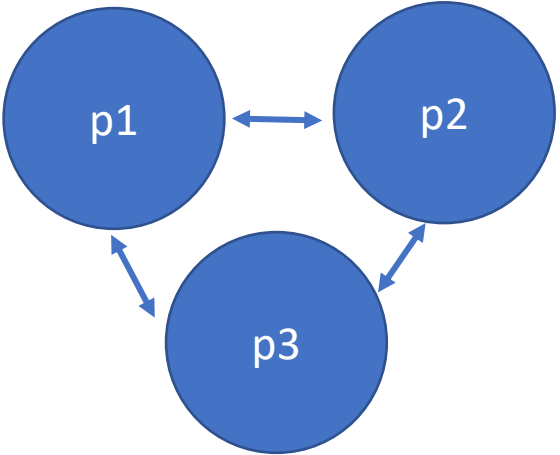
Genomic element: g4
The “inversion” (holding the recombination modifier)



mutations (alleles): m1 / m2 m3 / m4

Selection & Subpopulations:

Positive selection for allele m1 at both locus 0 and locus 1
(Negative selection against allele m2 at both loci 0 and 1)



Positive selection for allele m2 at both locus 0 and locus 1
(Negative selection against allele m1 at both loci 0 and 1)

Selection for m2 at locus1, and for m1 at locus0
Selection against m1 at locus1, and against m2 at locus0

Recombination:

- > In individuals homozygous at locus2 (i.e., m3/m3 or m4/m4), recombination between any of the 3 loci is occurring
- > In individuals heterozygous at locus2, recombination between any of the 3 loci is suppressed