

?
 Po-
 si-
 tional
 Burrows-
 Wheeler
 Trans-
 form
 (*PBWT*)
trasfor-
mata
di
Burrows-
Wheeler
po-
sizionale
 pan-
 nelli
 di
 aplotipi
 Single-
 Nucleotide
 Poly-
 mor-
 phism
 (*SNP*)

al-
 lele
vari-
anti
al-
leliche
 aplotipo

??
 ?
tag
SNPs
diploide
 genotipo

X
 M
 x_i
 $i =$
 $0, \dots, M -$
 1
 N
 $k =$
 $0, \dots, N -$
 1
 X
 $\Sigma =$
 $\{0, 1\}$

$0 \prec$
 1
tag
SNPs
 $x_i[k] = \{0, 1\}$

(1)
 x_i
 $x_i[k_1, k_2)$
 sot-
 tostringa

x_i
 k_1
 $k_2 -$
 1
 x_i
 x_j
 match
 k_1
 $k_2 -$
 1
 $x_i[k_1, k_2) = x_j[k_1, k_2)$

(2)
 x_i
 x_j
 lo-
 cal-
 mente
 mas-
 si-
 male
 ($k_1 = 0 \vee x_i[k_1 - 1] \neq x_j[k_1 - 1]) \wedge (k_2 = N \vee x_i[k_2] \neq x_j[k_2])$

(3)
 z
 X
 s
 set-
 maximal
 ex-
 act
 match
 (SMEM)

x_i
 k_1
 $k_2 -$
 1
 lo-
 cal-
 mente
 mas-
 si-
 male
 z