Y#

No

0

1

No

Yes

1

No

Yes

Yes

IF

*N*i\_1 = *Q\_11*

IF *N*i\_1  
=  
 *Q\_11* or *Q\_12*

…T CGA Ai\_2CGi\_1 CGA TC….

IF *N*i\_2 =   
*Q\_22* or *Q\_12*

0

Binary result

…01 01 11 …

…T CGA ACG CGA TC….

Code