

S: Start

 M_1 : match state 1 M_2 : match state 2 M_3 : match state 3

 $D0_i$: phase-0 deletion of state i $D1_i$: phase-1 deletion of state i $D2_i$: phase-2 deletion of state i

... : continuing states

E: End

 d_0 : phase-0 deletion opening weight d_1 : phase-1 deletion opening weight d_2 : phase-2 deletion opening weight

e: deletion extension weight in the unit of codon

N:0: one nucleotide deletion

N:N: nucleotide to nucleotide match