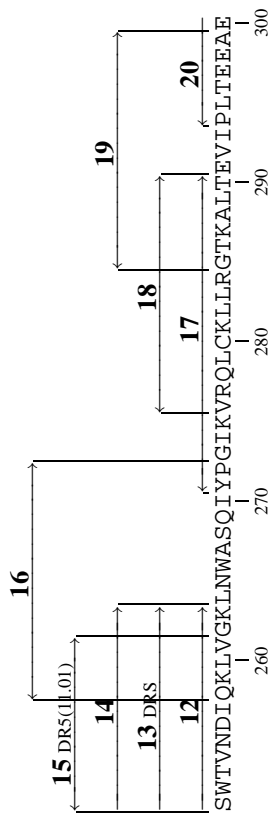
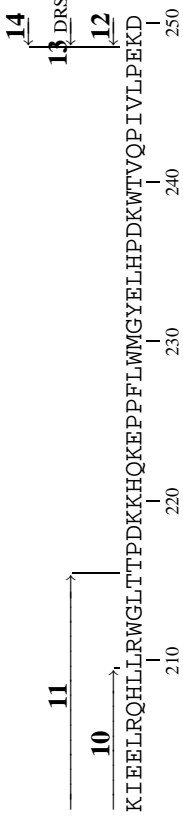
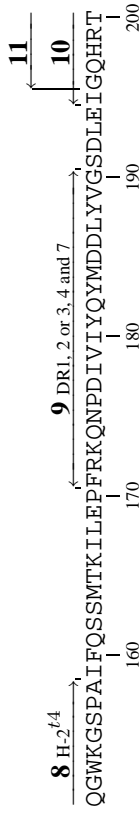
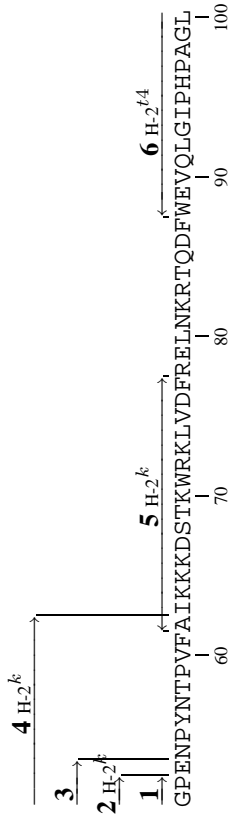
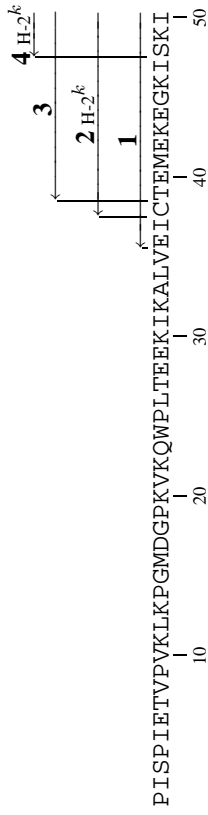


# RT Helper Map



# Integrase Helper Map

$\overleftarrow{\hspace{1.5cm}} \mathbf{23}$   
 WWTEYWQATWIPWEWVFVNTPLVKLWYQLEKEPIVGAETIFYVDGAANRET  
 410 | 420 | 430 | 440 | 450

p15 RNase start <-  
 KLGKAGYVTTNRGRQKVVTLTDTTNNQKTELQAIYALALQDSGLEVNIVTDSQ  
 460 | 470 | 480 | 490 | 500

$\overleftarrow{\hspace{1.5cm}} \mathbf{24}_{H-2, f, k, d}$   
 YALGIIQAQPDQSESELVNQIIEQLIKKEKVVYLAWVPAHKGIGGNEQVDK  
 510 | 520 | 530 | 540 | 550

$\mathbf{25}$   
 FLDGIDKAQDEHEKEYHSNWRAMASDFNLPVVAKEIVASCDKCCQLKGEAM  
 10 | 20 | 30 | 40 | 50

HGQVDCSPGIWQLDCIHLGKVVILVAHVHVASGYIEAEVIPAETGQETAYF  
 60 | 70 | 80 | 90 | 100

LLLKLAGRWPVKTIIHTDNGSNFTGATVRAACWWAGIKQEFFGIPYNPQSQGV  
 110 | 120 | 130 | 140 | 150

$\overleftarrow{\hspace{1.5cm}} \mathbf{25}$   
 LVSAGIRKVL (cont in Integrase)

-> p15 RNase end

$\overleftarrow{\hspace{1.5cm}} \mathbf{1}$   
 VESMNKELKKIIGQVRDQAEHLKKTAVQMAMVFIHNFKRKGGIGGYSAGERI  
 160 | 170 | 180 | 190 | 200

$\overleftarrow{\hspace{1.5cm}} \mathbf{2}$        $\overleftarrow{\hspace{1.5cm}} \mathbf{3}$   
 VDIATDIQTTELQKQITKI QNFRVYYRDSRNPLWKGPAKLLWKGEQAVV  
 210 | 220 | 230 | 240 | 250

IQDNSDIKVVPRRKAKIIRDYKQMGAGDDCVASRQDED  
 260 | 270 | 280