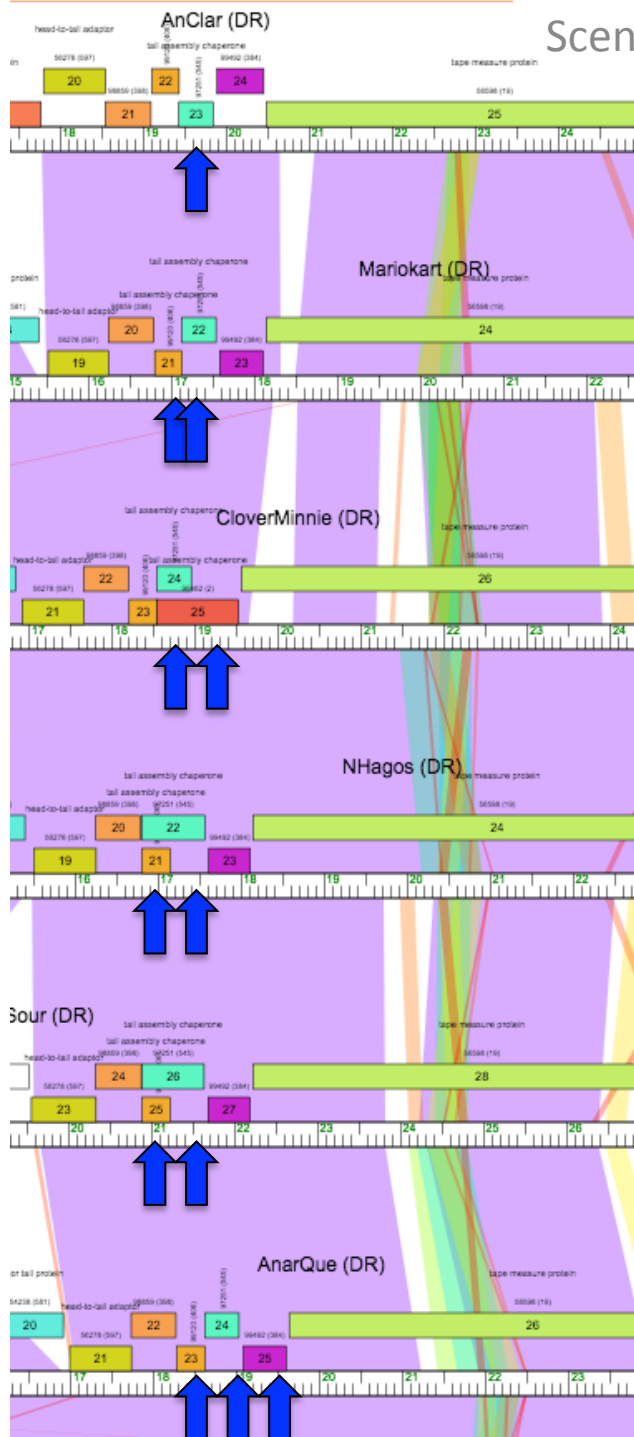


Scenarios DR PHAGES



Called: TAC for ONLY 2nd upstream gene to tape measure

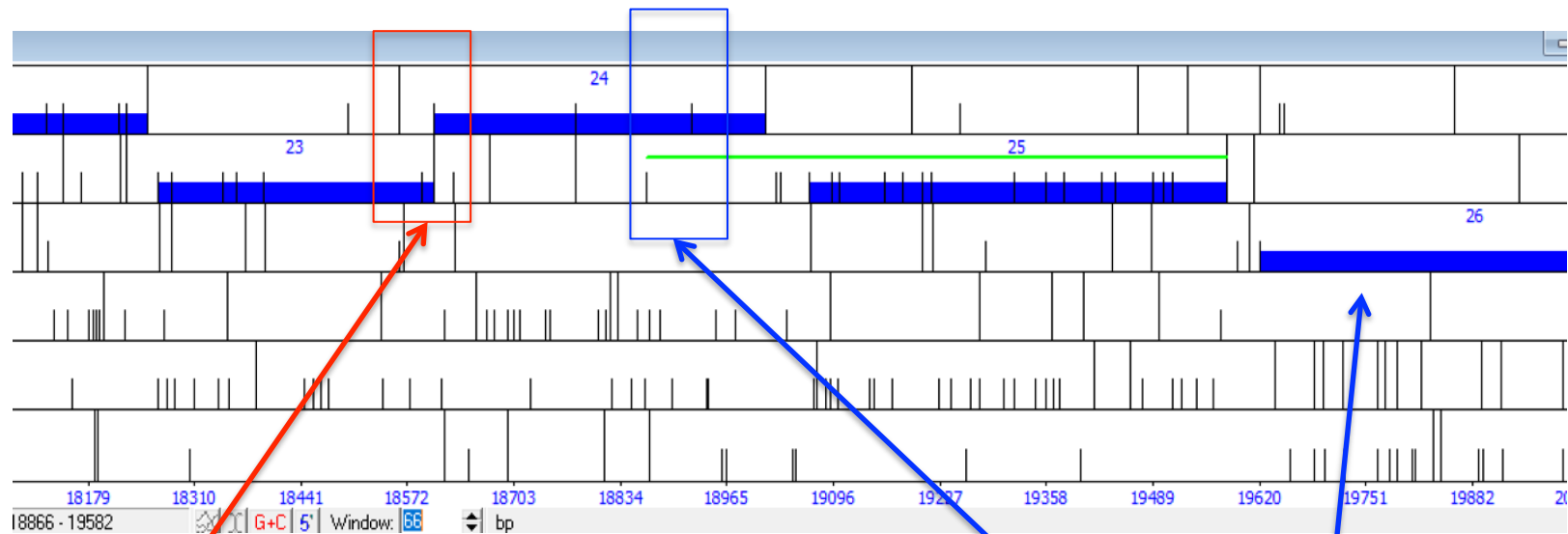
Called: TAC with **NO** slippery to 2nd and 3rd upstream gene to tape measure

Called: TAC **with slippery** to 1st and 2nd upstream gene to tape measure

Called: TAC **with slippery** to 2nd and 3rd upstream gene to tape measure

No function call any of upstream genes

Phage CaiB



Gene #26 is tape measure

There is NO slippery sequence in gene #23 and no ability to slip to gene #24 (as proposed in Sour and Nhagos) due to stop codon upstream of gene #24 that results in a very limited number of nucleotides at the 3' end of gene 23 that could serve as the slippery sequence

Start pos	Mouse pos
18763	18779
P G G P R D V R G A V P R R H R	
S W R T P * R S R G R S A S T P G	
I L E D P V T F A G P F R V D T G	
ATCCTGGAGGACCCCGTGACGTTTCGCGGGGCCGTTCCGCGTTCGACACCGG	
TAGGACCTCCTGGGGCACTGCAAGCGCCCGGCAAGGCGCAGCTGTGGCC	
D Q L V G H R E R P R E A D V G	
I R S S G T V N A P G N R T S V P	
S G P P G R S T R P A T G R R C R	

Gene #24 has a non canonical **GGGGCCG** sequence that could allow slippage to the ORF of gene #25 (as in CloverMinnie)