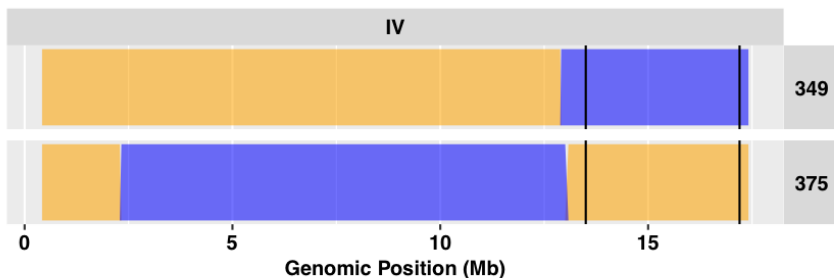


## C. elegans whole piRNA interval NILs

- piRNA interval: Chr IV: 13.5 - 17.2 Mbs
- Left Primers (InDel Left: 13207120)
  - oECA904: aacagatactcgccgttgct
  - oECA905: atttgtagccagcgtagacct
  - N2 Size: 526, CB4856 Size: 942
- Right Primers (InDel Right: 17356993)
  - oECA910: gacaacgccactacgacaa
  - oECA911: acccaaccagttgagcacat
  - N2 Size: 443, CB4856 Size: 596
- CB4856>N2 NIL
  - **ECA240** / eanIR160 (IV, CB4856>N2)
  - Starting RIAL: QX349
- N2>CB4856 NIL
  - **ECA241** / eanIR161 (IV, N2>CB4856)
  - Starting RIAL: QX375



## C. elegans mutants

- piRNA mutants confirmed and/or backcrossed in N2 background
  - ECA270: alg-4(tm1184);alg-3(tm1155) [ALG-3/4 class 26G RNA]
  - ECA271: WM158 / ergo-1(tm1860) [ERGO-1 class 26G RNA]
  - ECA286: prg-1(n4357) [21-U RNA]: SX922/ECA269 backcrossed to N2 (9x) and selfed (6x)
  - FX234: ben-1
- Mutant confirmation PCR primers
  - ergo-1(tm1860): oECA1033 AAGCGTACGAACCCGAGCTT / oECA1034 GAGCGGCTGCTCAGAAGACT
- prg-1(n4357) PCR primers for backcrossing
  - oECA1019: AGTCGTGGTACAGATCGTAG
  - oECA1020: GAGAGGCCGTGGTTCAGGAT
  - Wild-type size = 1972, prg-1(n4357) size = 1248 (724 bp deletion)
  - PCR parameters: Annealing T = 55.5C, Extension time = 2:30