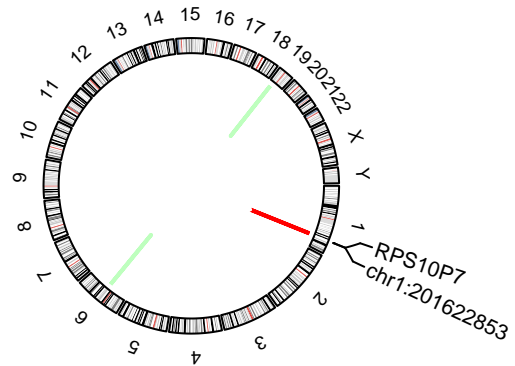
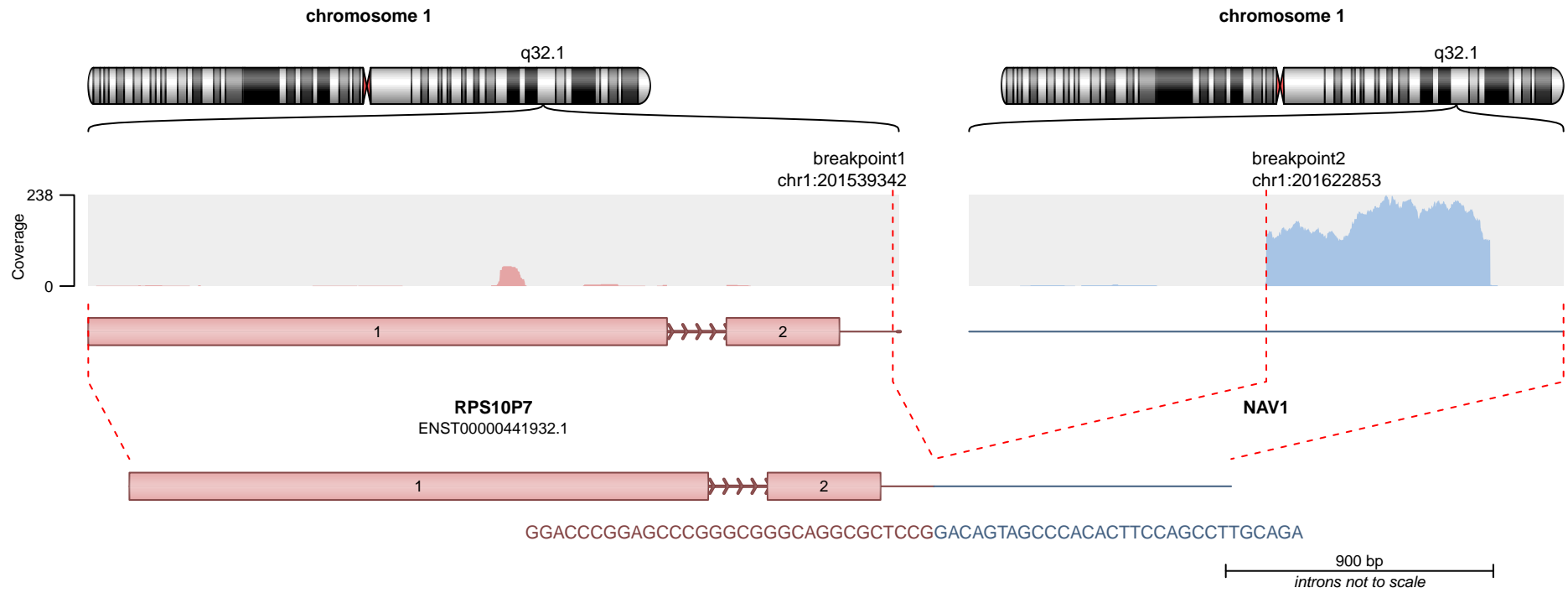


Patient_7



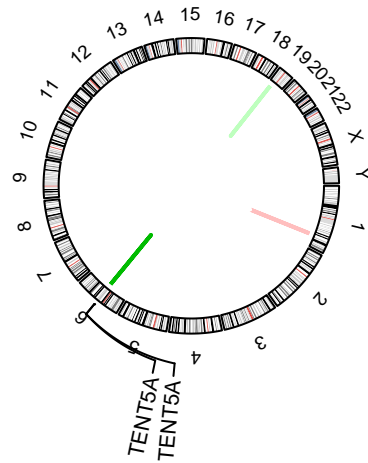
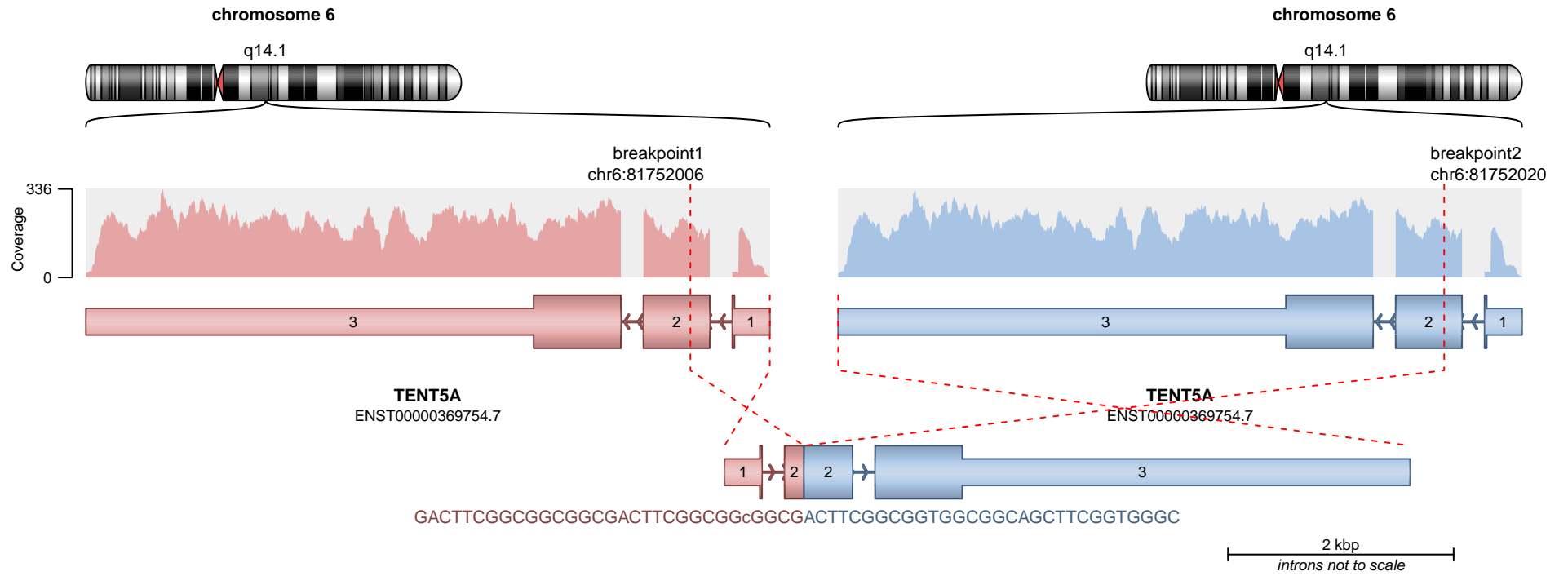
Genes are not protein-coding.

SUPPORTING READ COUNT

Split reads at breakpoint1 = 10
Split reads at breakpoint2 = 14
Discordant mates = 9

translocation deletion
duplication inversion

Patient_7

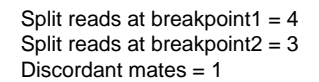
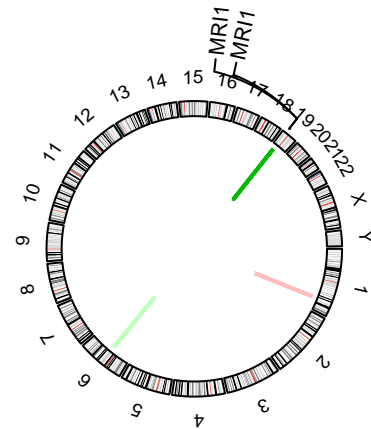


No protein domains retained in fusion.

SUPPORTING READ COUNT

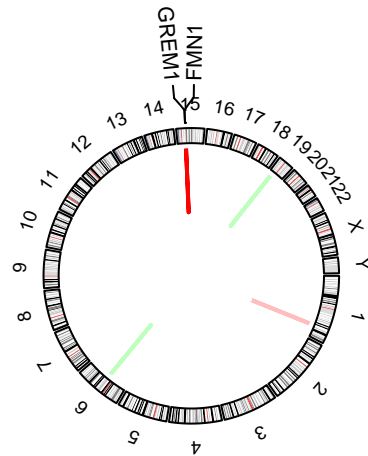
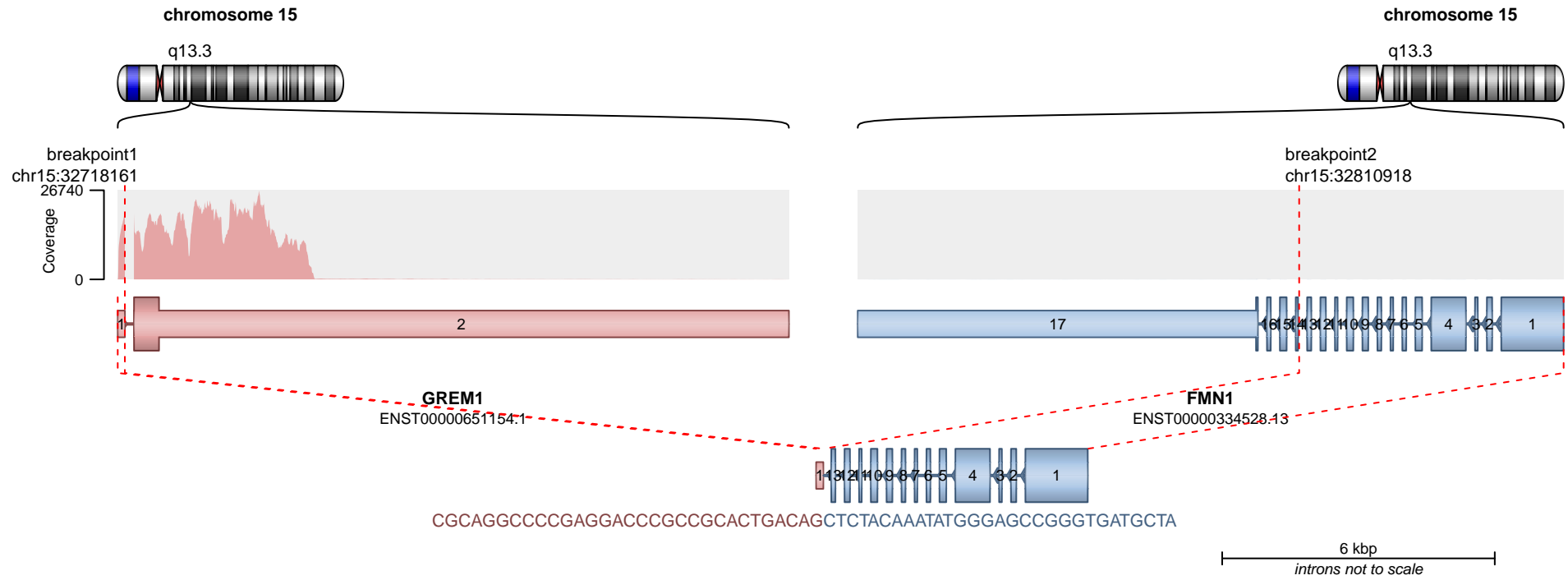
Split reads at breakpoint1 = 6
Split reads at breakpoint2 = 16
Discordant mates = 0

chromosome 19



— translocation — deletion
— duplication — inversion

Patient_7



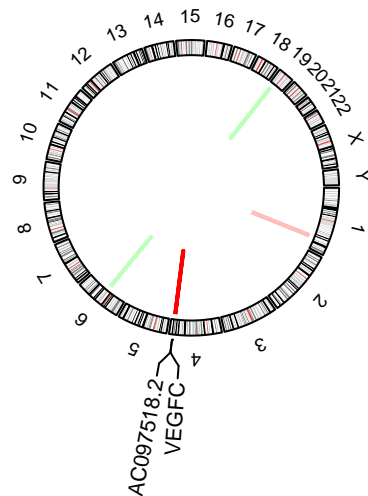
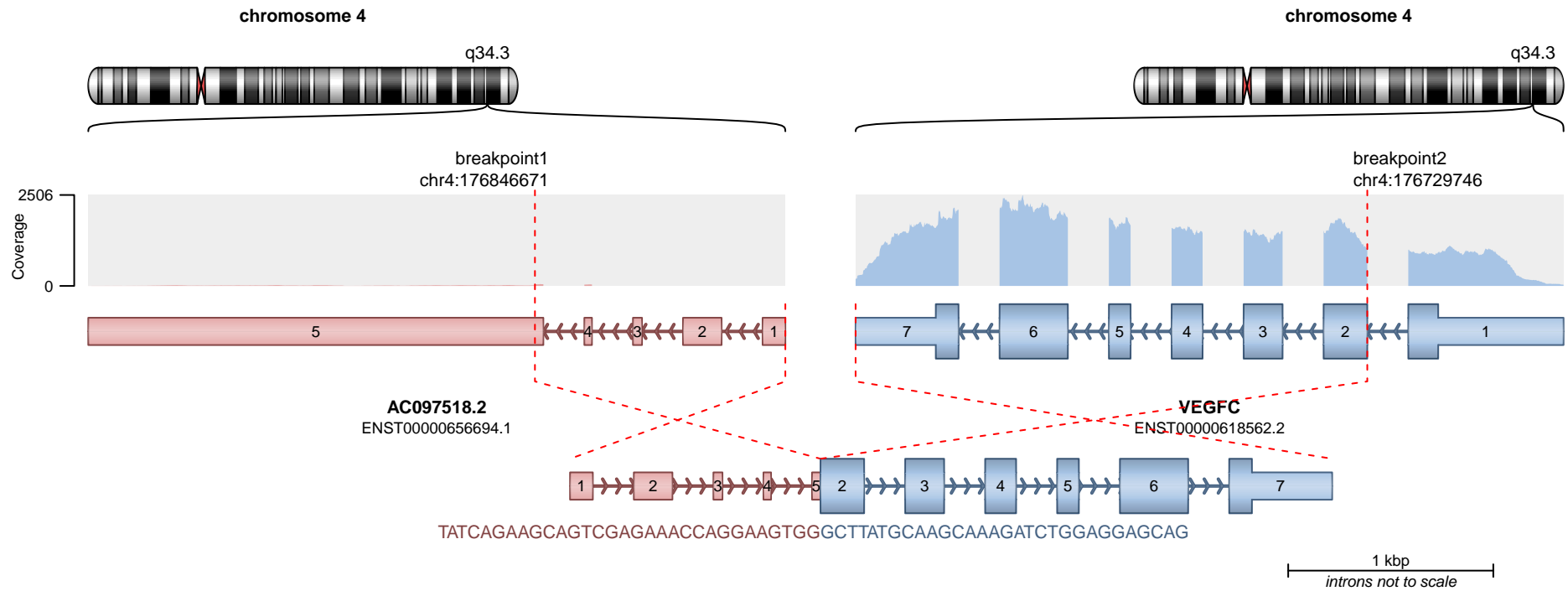
No coding regions due to antisense transcription.

SUPPORTING READ COUNT

Split reads at breakpoint1 = 3
Split reads at breakpoint2 = 3
Discordant mates = 2

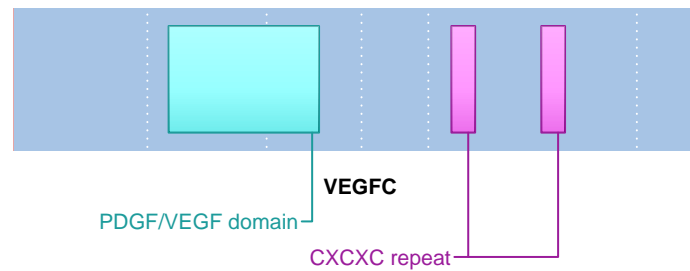
translocation deletion
duplication inversion

Patient_7



— translocation — deletion
— duplication — inversion

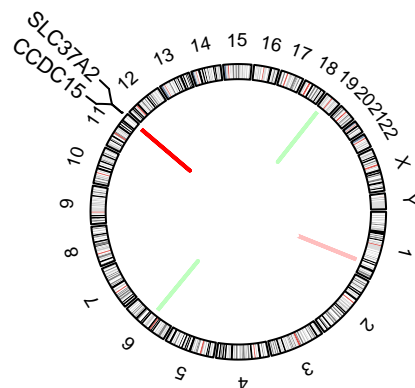
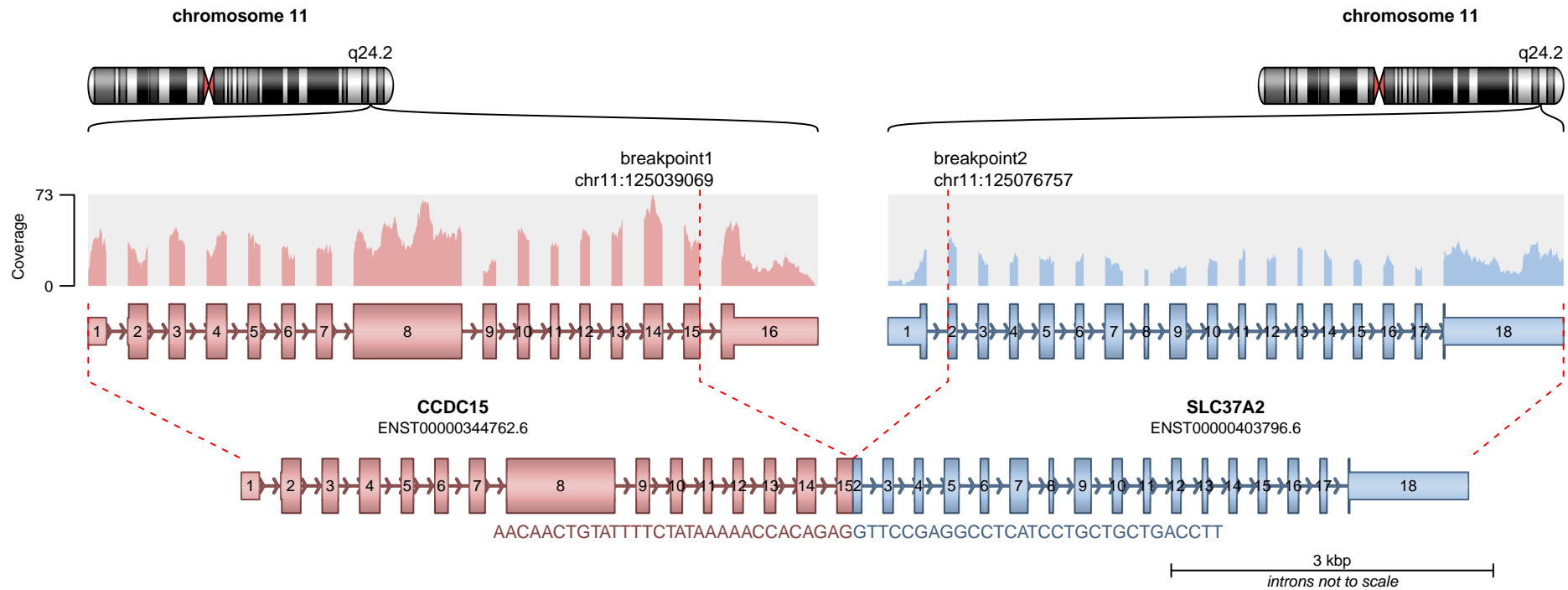
RETAINED PROTEIN DOMAINS reading frame unclear



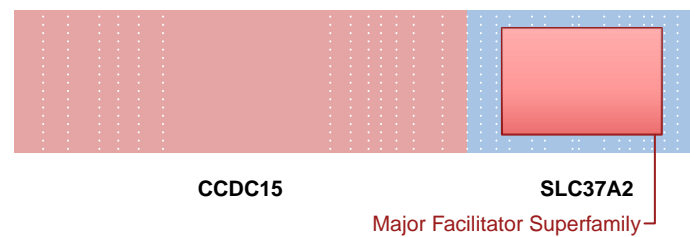
SUPPORTING READ COUNT

Split reads at breakpoint1 = 0
Split reads at breakpoint2 = 6
Discordant mates = 0

Patient_7



RETAINED PROTEIN DOMAINS out-of-frame fusion

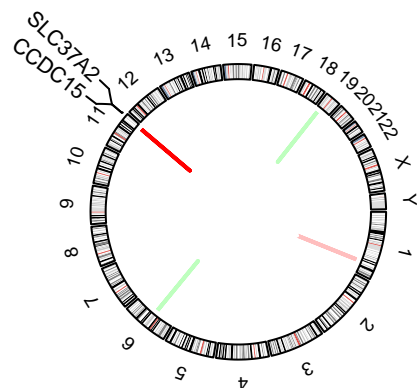
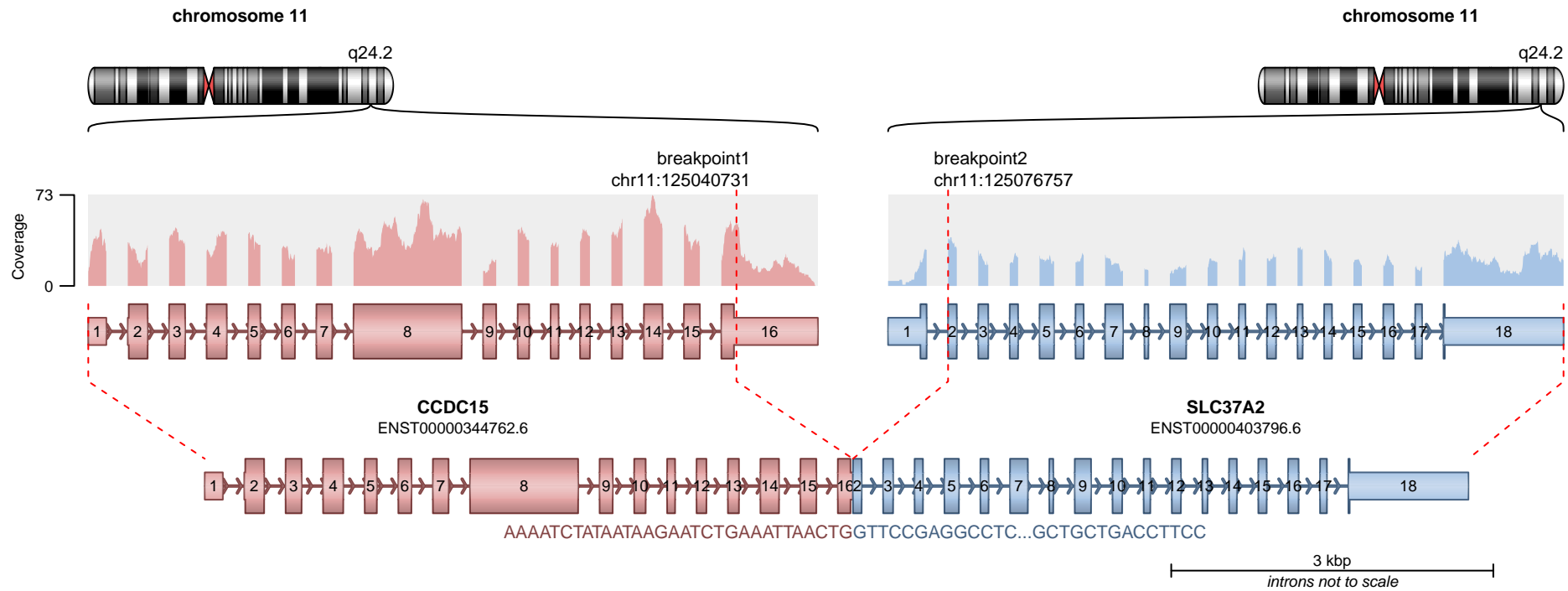


SUPPORTING READ COUNT

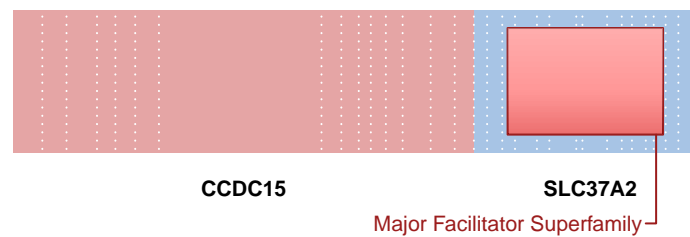
Split reads at breakpoint1 = 1
Split reads at breakpoint2 = 0
Discordant mates = 2

translocation
deletion
duplication
inversion

Patient_7



RETAINED PROTEIN DOMAINS
stop codon before fusion junction



SUPPORTING READ COUNT

Split reads at breakpoint1 = 0
Split reads at breakpoint2 = 1
Discordant mates = 2

translocation
deletion
duplication
inversion