

# Starting KisSplice

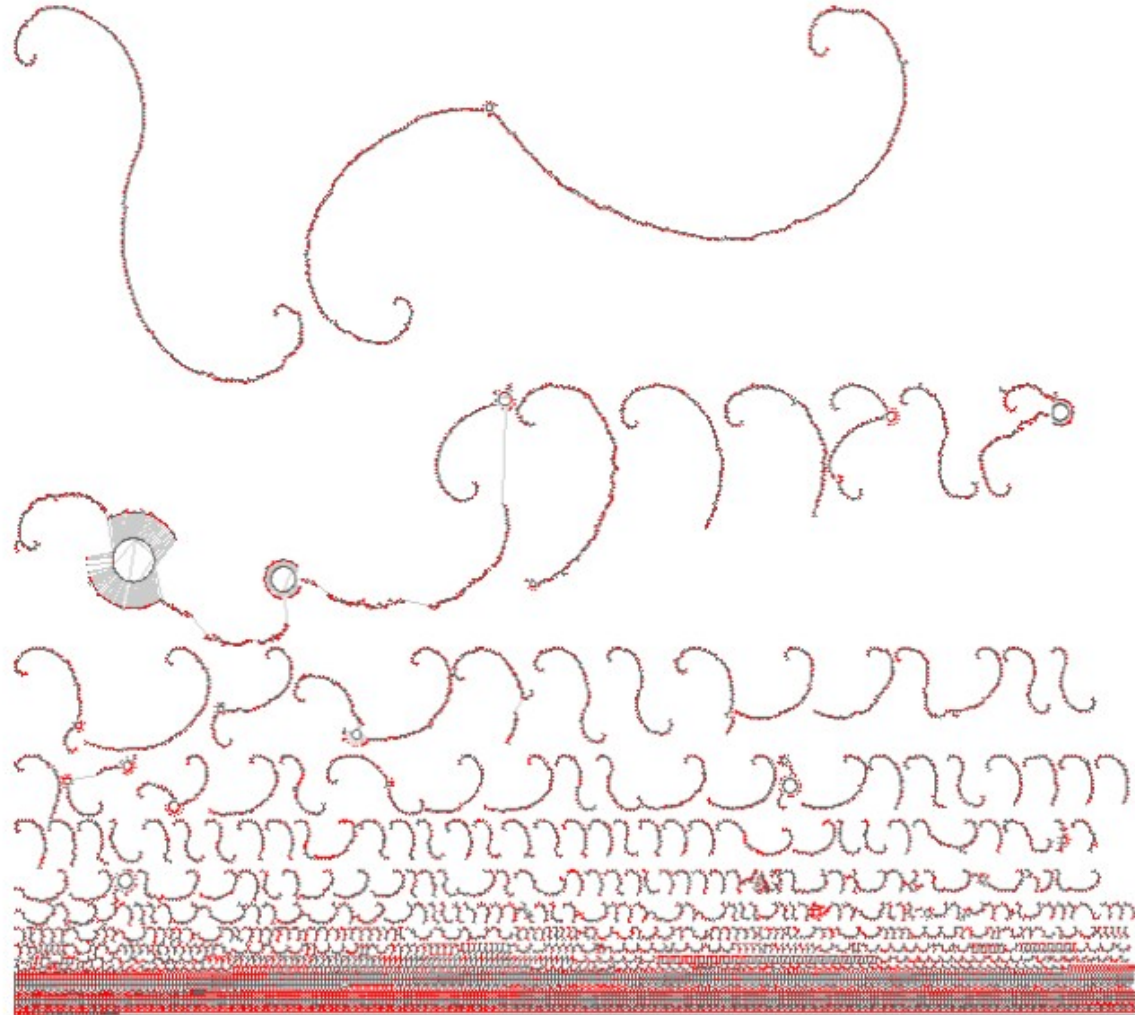
- Example of command-line

```
kissplice -r cond1rep1.fq -r cond1rep2.fq  
-r cond2rep1.fq -r cond2rep2.fq
```

# Explaining the output

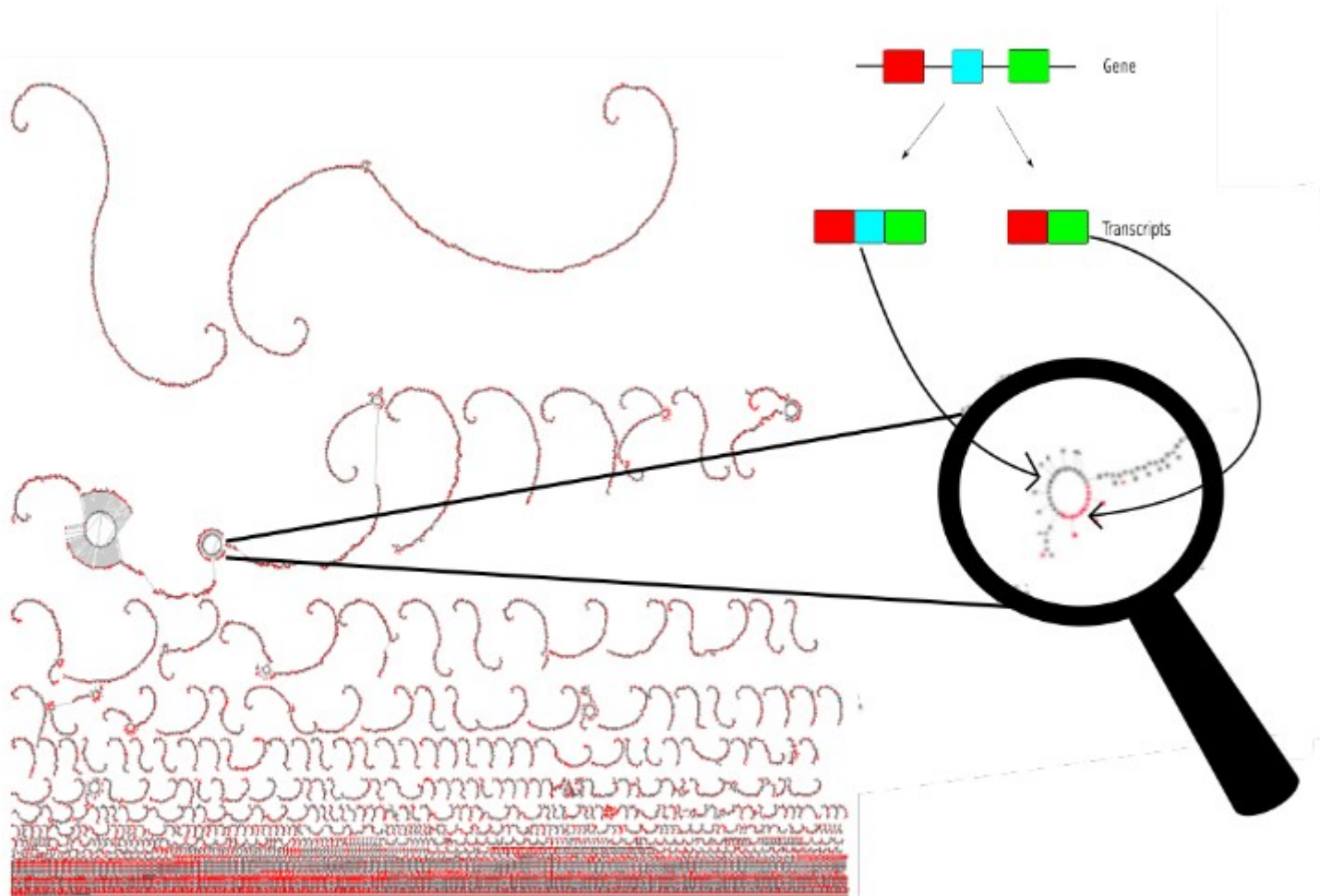
- Graph Files:
  - Graph.edges
  - Graph.nodes
- Bubbles Files:
  - SNPs: type0.fa
  - AS events: type1.fa
  - Inexact repeats: type2.fa
  - Indels: type3.fa

# The graph

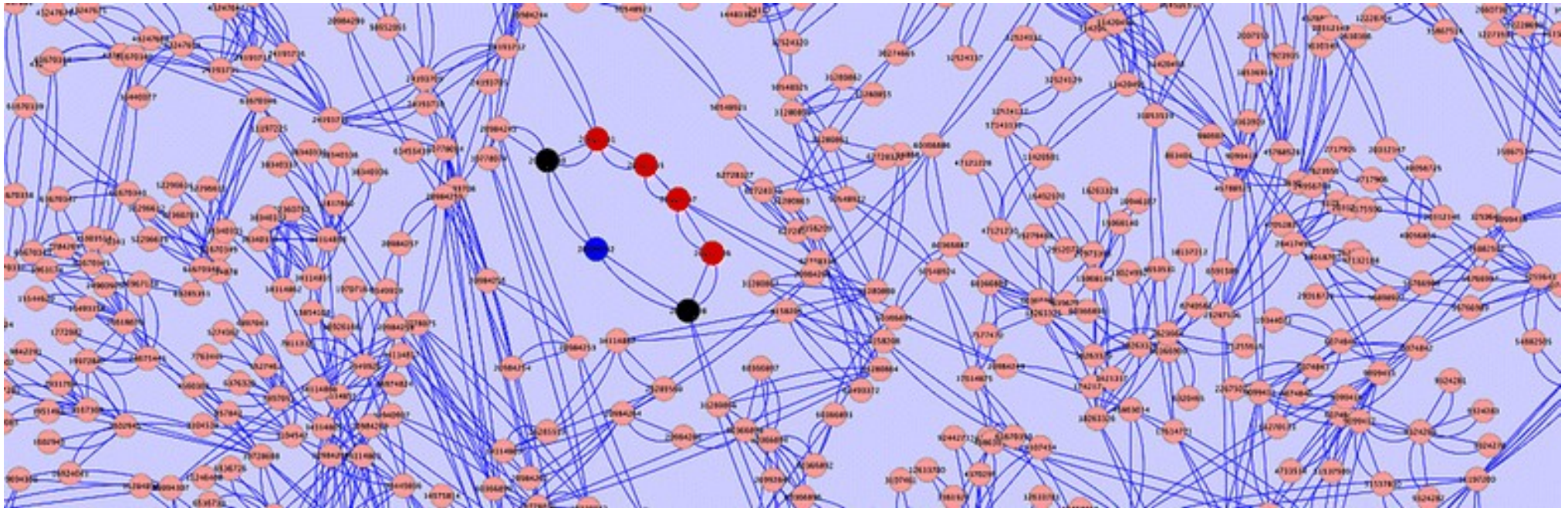


Drosophila transcriptome, shallow coverage (100k reads)

# Bubbles in the graph



# Tricky Bubbles in tricky graphs

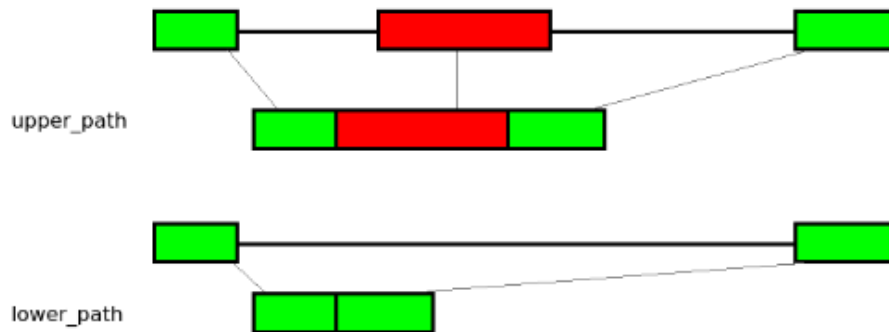


SCN5A exon skipping in patients with myotonic dystrophy



# Example of a bubble output by KisSplice

```
>bcc_89|Cycle_0|Type_1|upper_path_length_122|C1_0|C2_1|C3_2|C4_1|rank_0.55097  
CCCTGATGGCCTCAGAGGAGGAGTAATGTGGGGACCTAGAGGAGGAGCTGAAAATTGTTACCAACAACCTTCAAATCCCTGGAGGCCAGGCGGACAAGTATTCCACCAAAGAAGATAAATA  
>bcc_89|Cycle_0|Type_1|lower_path_length_46|C1_0|C2_0|C3_2|C4_6|rank_0.55097  
CCCTGATGGCCTCAGAGGAGGAGTATTCCACCAAAGAAGATAAATA
```



# Example of a bubble output by KisSplice

```
>bcc_89|Cycle_0|Type_1|upper_path_length_122|C1_0|C2_1|C3_2|C4_1|rank_0.55097  
CCCTGATGGCCTCAGAGGAGGAGTAAATGTGGGGACCTAGAGGAGGAGCTGAAAATTGTTACCAACAACCTTGAAATCCCTGGAGGCCAGGCGGACAAGTATTCCACCAAAGAAGATAAATA  
>bcc_89|Cycle_0|Type_1|lower_path_length_46|C1_0|C2_0|C3_2|C4_6|rank_0.55097  
CCCTGATGGCCTCAGAGGAGGAGTATTCCACCAAAGAAGATAAATA
```

