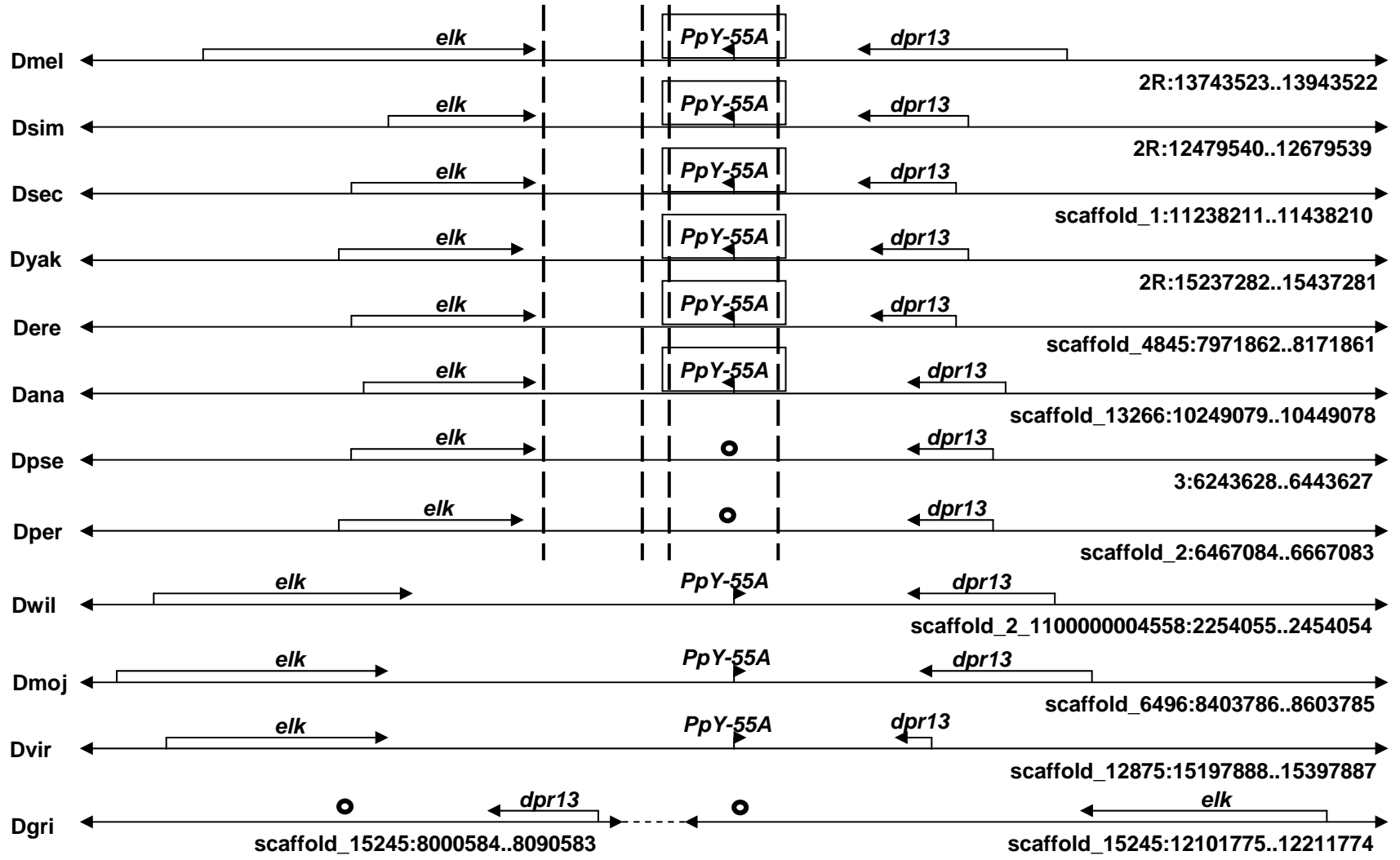


Figure S4A

PpY-55A

Inversion 1 Inversion 2

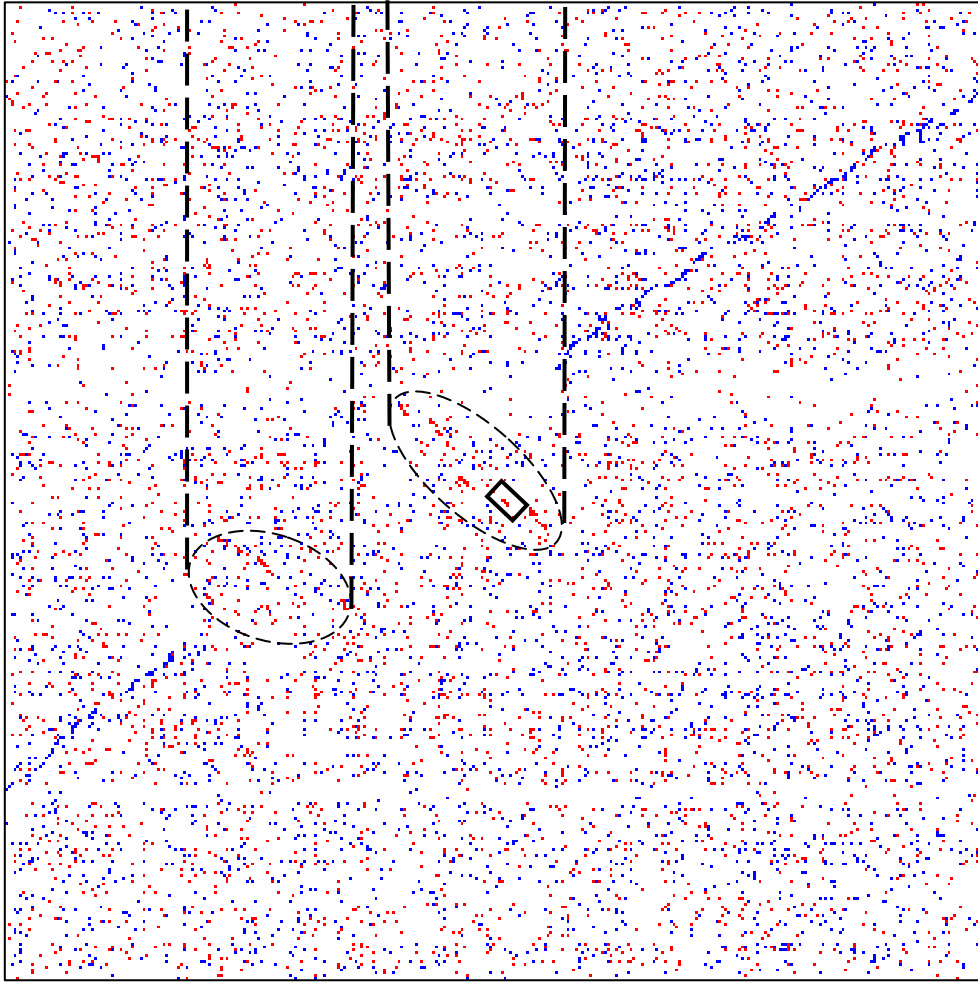


10 kb

Figure S4B

PpY-55A

Inversion 1 Inversion 2



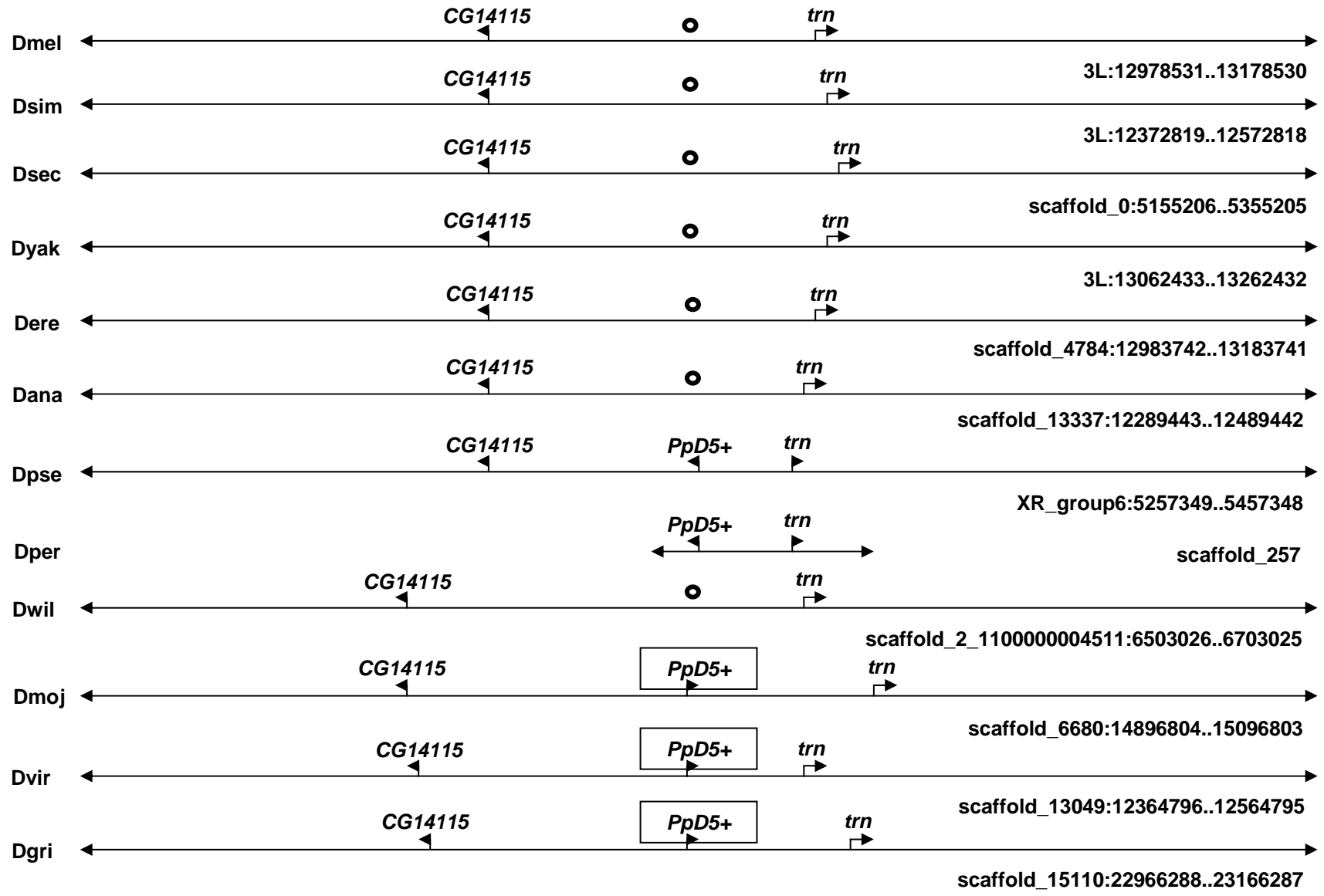
Dana scaffold_13266: 10399078-10299078

Dwil scaffold_2: 2304055-2404055

10 kb

Figure S4C

PpD5+



10 kb

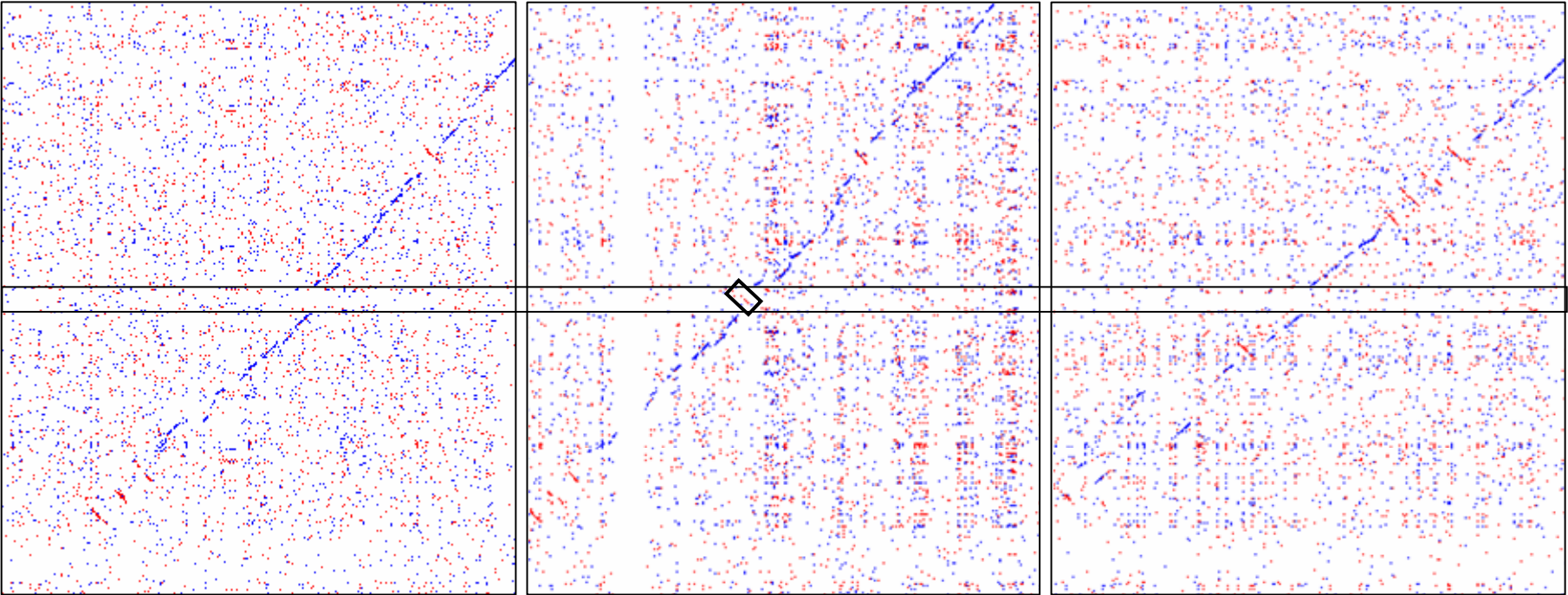
Figure S4D

PpD5+

Deletion

Inversion

Deletion



**Dana scaffold_13337:
12364442-12409442**

**Dpse scaffold_XR_group6:
5337349-5382349**

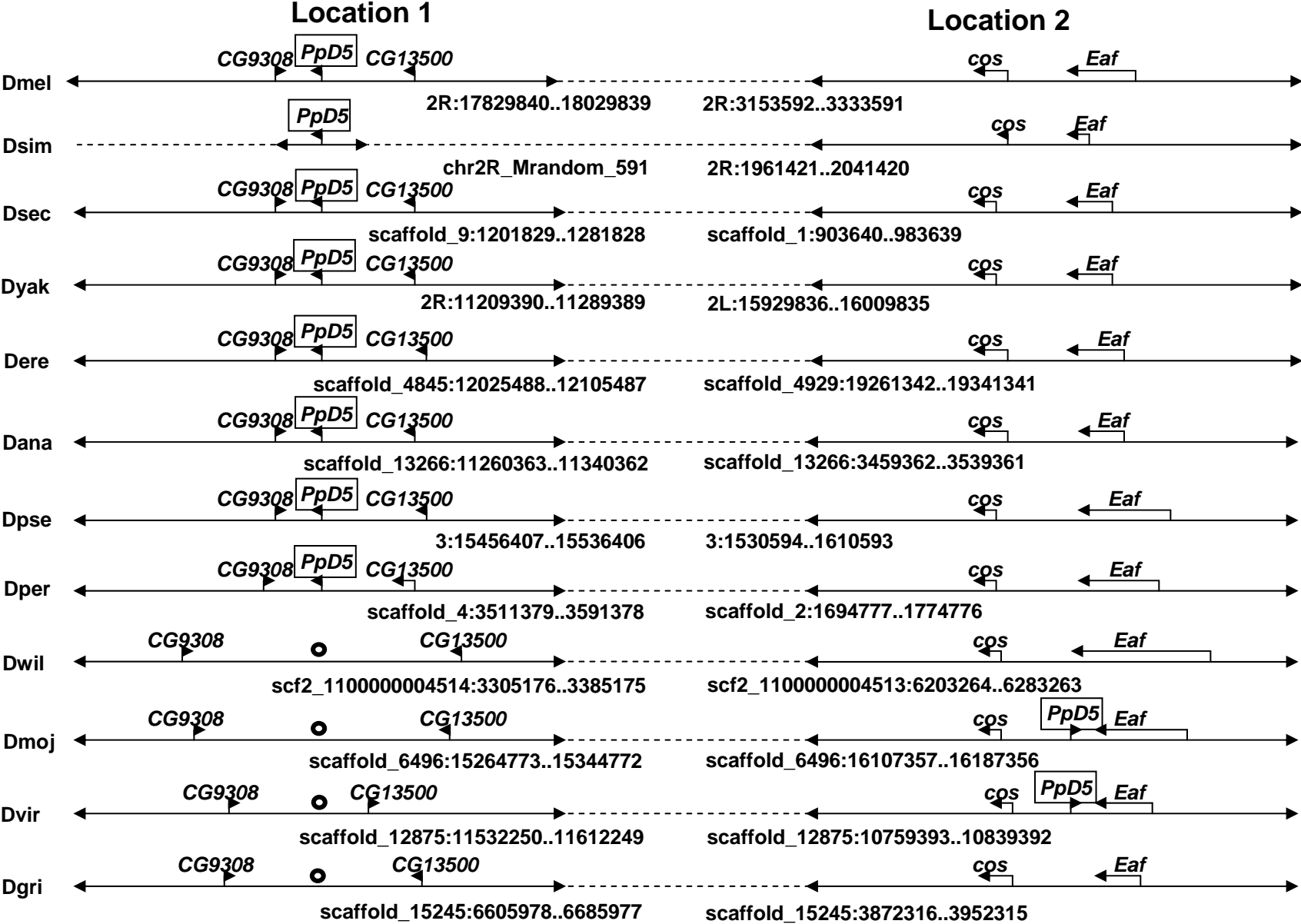
**Dwil scaffold_2_110000004511:
6558026-6603026**

10 kb

Dvir scaffold_13049:12439796-12489796

Figure S4E

PpD5



10 kb

Figure S4F

PpD5

Gene Degradation in Location 1

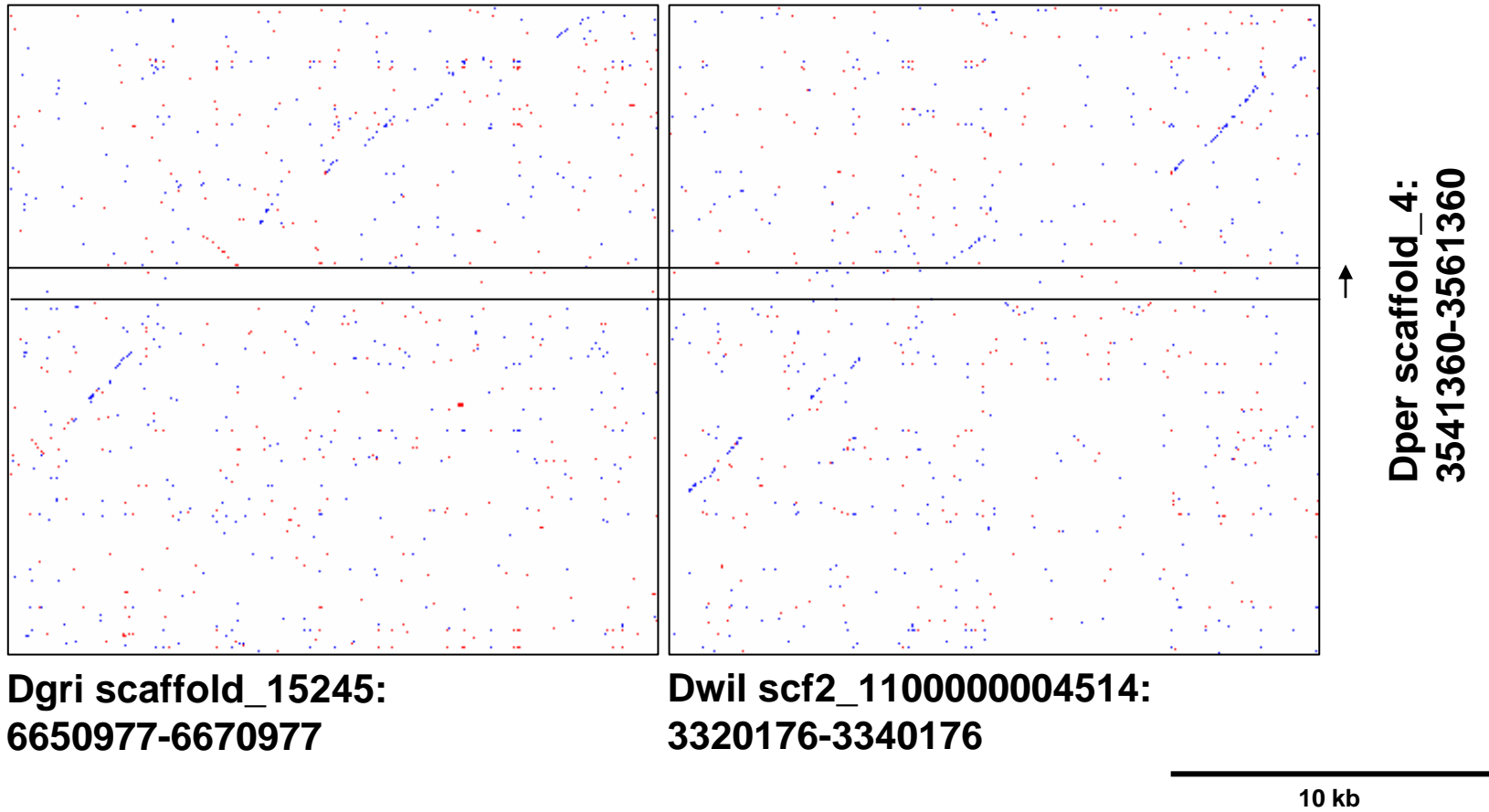
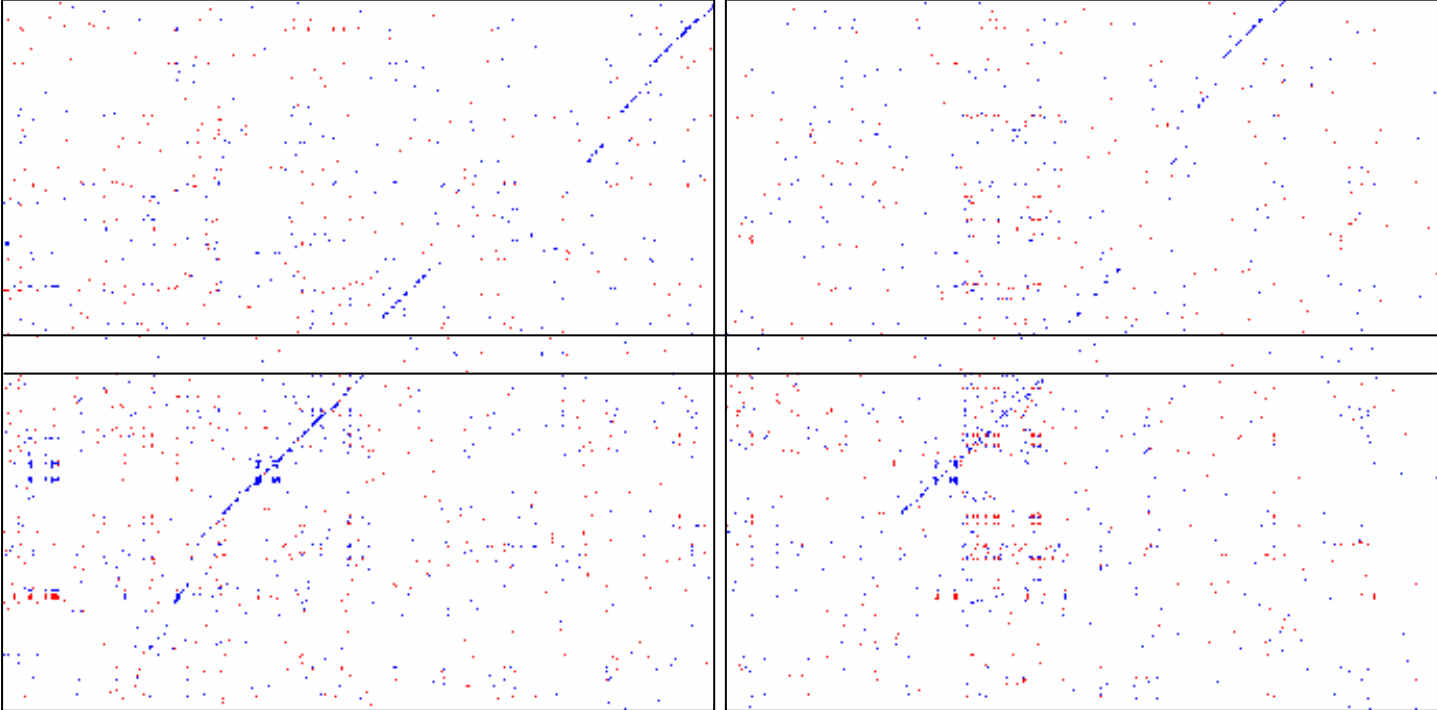


Figure S4G

PpD5

Gene Insertion in Location 2



↓
**Dmoj scaffold_6496:
16137357-16157357**

**Dgri scaffold_15245:
3897315-3917315**

**Dwil scf2_1100000004513:
6238264- 6258264**

10 kb