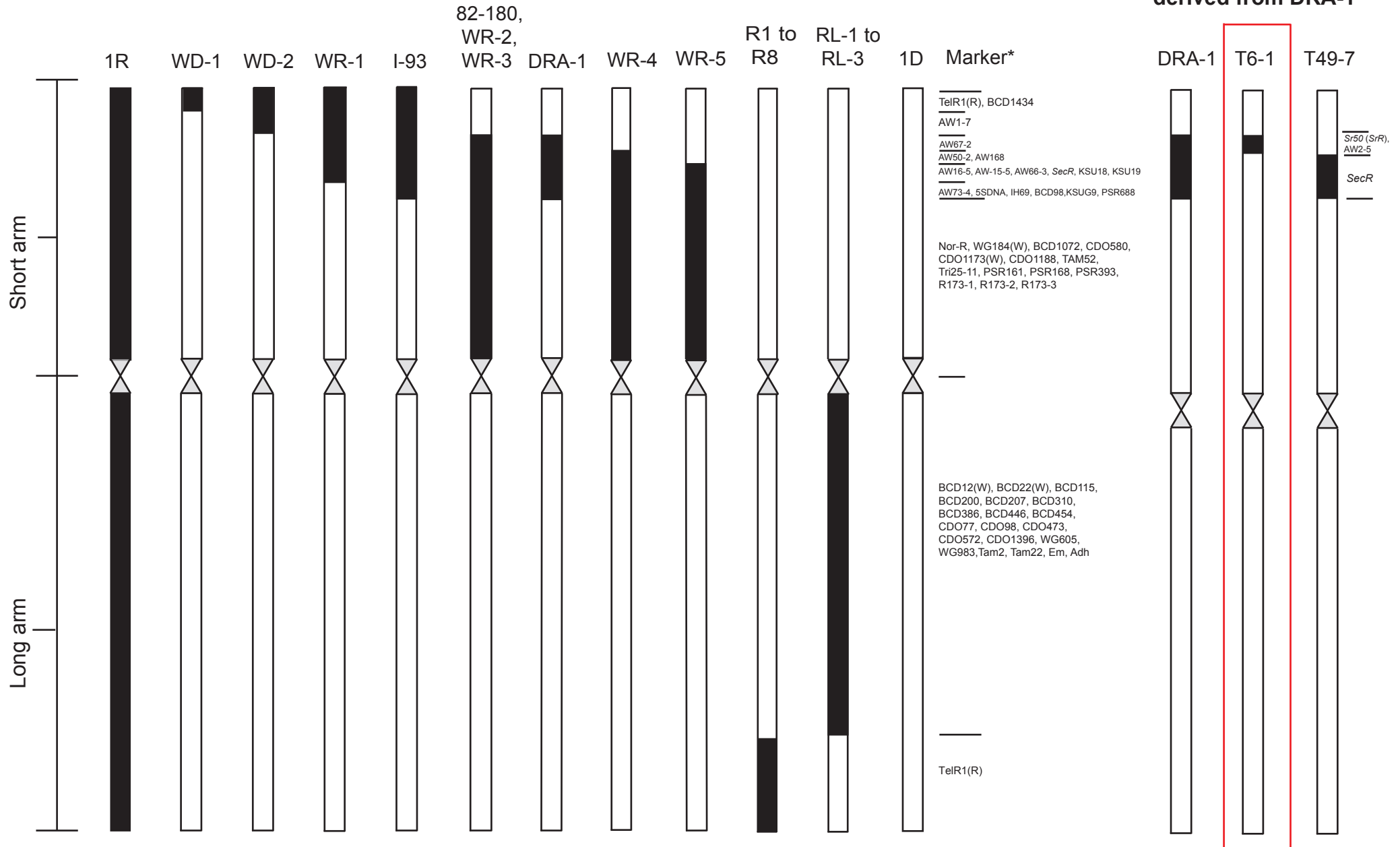


# Rye Chromosome 1D-1R Recombinant Lines

## Primary Recombinants + Secondary Recombinant DRA-1

## Tertiary Recombinants derived from DRA-1\*\*



\* Rogowski et al. (1993), Theor Appl Genet 85:1023-1028

\*\* Anugrahwati et al. (2008), Genome 51:341-349

— Released to breeding programs

■ 1R chromatin

□ 1D chromatin