

## Near-Isogenic Lines

## Chromosome Substitution Strains

Genome

Chromosome V

Genome

Chromosome V

**A**

Inter-chromosomal  
External



No transgressive  
phenotype



**B**

Inter-chromosomal  
Internal



Transgressive  
Phenotype



**C**

Intra-chromosomal



Transgressive  
Phenotype



Transgressive  
Phenotype

Transgressive  
Phenotype

No transgressive  
phenotype