

Self pollination first generation TtRr x TtRr

Gametes	TR	Tr	tR	tr
TR	TTRR Tall, red flower	TTRr Tall, red flower	TtRR Tall, red flower	TtRr Tall, red flower
Tr	TTRr Tall, red flower	TTrr Tall, white flower	TtRr Tall, red flower	Ttrr Tall, white flower
tR	TtRR Tall, red flower	TtRr Tall, red flower	ttRR dwarf, red flower	ttRr dwarf, red flower
tr	TtRr Tall, red flower	Ttrr Tall, white flower	ttRr dwarf, red flower	ttrr dwarf, white flower

Qn. 12

What are the characters expressed in the offsprings of the first generation? Which are the recessive ones?

Expressed characters – Tall and red flower

Recessive characters – Dwarf and white flower.

Qn. 13

Are there new combination of characters different from parents appeared in the second generation? Which are they.

Yes. New combination of characters different from parents appeared in the second generation. The appearance of new combination of characters in offsprings is due to the independent assortment of each character.

New combination of characters appeared in second generation

- Dwarf, red flower plants
- Tall, white flower plant