

Lijst met mogelijke monohybride kruisingen, gen met 3 allelen

kruising		ouders fenotype	ouders genotype	nakomelingen fenotype	nakomelingen genotype
1 kruising rode en witte planten	1	Wit x Wit	aa x aa	100% Wit	100% aa
	2	Rood x Rood	A ¹ A ¹ x A ¹ A ¹	100% Rood	100% A ¹ A ¹
	3	Rood x Wit	A ¹ A ¹ x aa	100% Rood	100% A ¹ a
	4	Rood x Rood	A ¹ A ¹ x A ¹ a	100% Rood	75% A ¹ A ¹ 25% A ¹ a
	5	Rood x Rood	A ¹ a x A ¹ a	75% Rood 25% Wit	25% AA 50% A ¹ a 25% aa
	6	Rood x Wit	A ¹ a x aa	50% Rood 50% Wit	50% A ¹ a 50% aa
2 kruising gele en witte planten	1	Wit x Wit	aa x aa	100% Wit	100% aa
	2	Geel x Geel	A ² A ² x A ² A ²	100% Geel	100% A ² A ²
	3	Geel x Wit	A ² A ² x aa	100% Geel	100% A ² a
	4	Geel x Geel	A ² a x A ² a	75% Geel 25% Wit	25% A ² A ² 50% A ² a 25% aa
	5	Geel x Wit	A ² a x aa	50% Geel 50% Wit	50% A ² a 50% aa
	6	Geel x Geel	A ² A ² x A ² a	100% Geel	50% A ² A ² 50% A ² a
3 kruising gele, rode en oranje planten	1	Rood x Geel	A ¹ A ¹ x A ² A ²	100% Oranje	100% A ¹ A ²
	2	Oranje x Oranje	A ¹ A ² x A ¹ A ²	25% Rood 25% Geel 50% Oranje	25% A ¹ A ¹ 25% A ² A ² 50% A ¹ A ²
	3	Rood x Oranje	A ¹ A ¹ x A ¹ A ²	50% Rood 50% Oranje	50% A ¹ A ¹ 50% A ¹ A ²
	4	Geel x Oranje	A ² A ² x A ¹ A ²	50% Geel 50% Oranje	50% A ² A ² 50% A ¹ A ²
4 kruising gele, rode, witte en oranje planten	1	Geel x Rood	A ² a x A ¹ a	25% Rood 25% Geel 25% Wit 25% Oranje	25% A ¹ a 25% A ² a 25% aa 25% A ¹ A ²
	2	Rood x Geel	A ¹ a x A ² A ²	50% Oranje 50% Geel	50% A ¹ A ² 50% A ² a
	3	Rood x oranje	A ¹ a x A ¹ A ²	50% Rood 25% Oranje 25% Geel	25% A ¹ A ¹ 25% A ¹ a 25% A ¹ A ² 25% A ² a
	4	Wit x Oranje	aa x A ¹ A ²	50% Rood 50% Geel	50% A ¹ a 50% A ² a
	5	Geel x Oranje	A ² A ² x A ¹ A ²	50% Oranje 50% Geel	50% A ¹ A ² 50% A ² A ²
	6	Geel x Oranje	A ² a x A ¹ A ²	25% Rood 50% Geel 25% Oranje	25% A ¹ a 25% A ² A ² 25% A ² a 25% A ¹ A ²