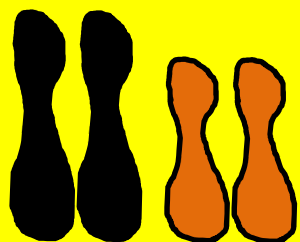


Jeu « Un croisement pas facile ! »

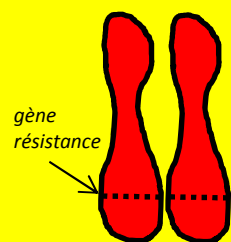
Cartes

- à imprimer sur papier épais, puis à découper
- diapos n°2 à n°3 = pour les étudiants (19 cartes petit format)
- diapos n°4 à n°10 = pour l'enseignant (19 cartes grand format)
 - diapo n°11 = solutions des 2 étapes, pour l'enseignant
 - cartes avec coin noir = étape 1
 - cartes sans coin noir = étape 2

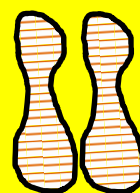
© Jean-Marc Lacape (CIRAD)



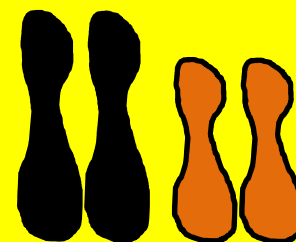
G hirsutum
AADD
52 chromosomes



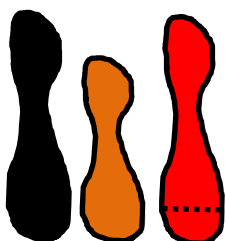
G longicalyx
FF
26 chromosomes



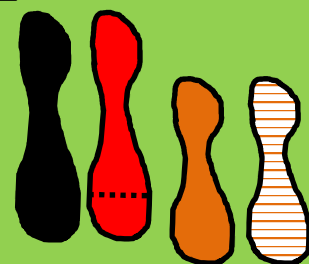
G armourianum
D'D'
26 chromosomes



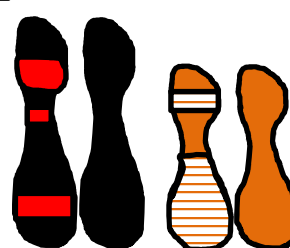
G hirsutum
AADD
52 chromosomes



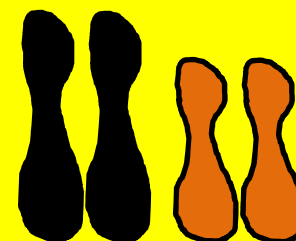
Hybride triploïde
ADF
39 chromosomes



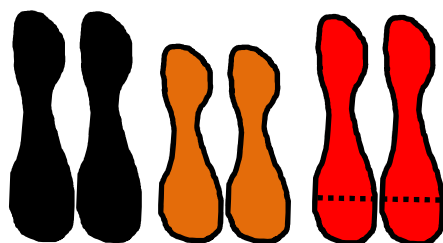
Hybride tétraploïde
AFDD' = HLA
52 chromosomes



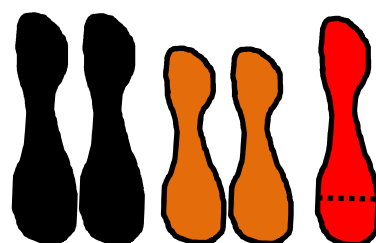
Hybride(s) intermédiaire(s)
Variable AFDD'
52 chromosomes



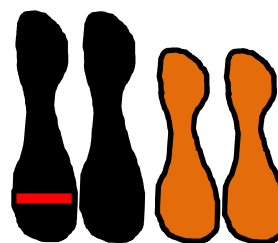
G hirsutum
AADD
52 chromosomes



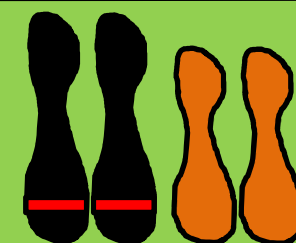
Hybride hexaploïde
AADDFF
78 chromosomes



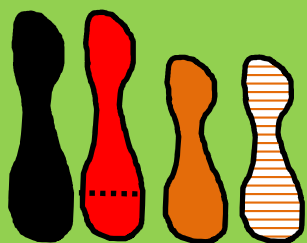
Hybride pentaploïde
AADDFF
60 chromosomes



G hirsutum
AADD
Introgressé hétérozygote
52 chromosomes



Lignée 'LONREN'
G hirsutum **AADD**
Introgressé homozygote
52 chromosomes

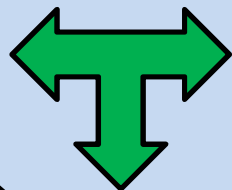


Hybride tétraploïde

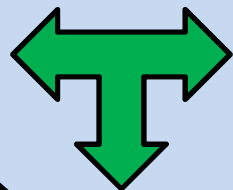
AFDD' = HLA

52 chromosomes

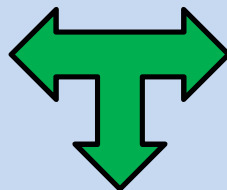
croisement



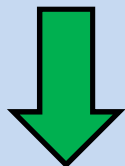
croisement



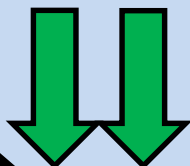
croisement



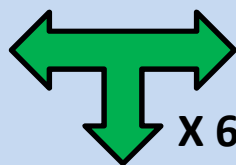
auto-
fécondation

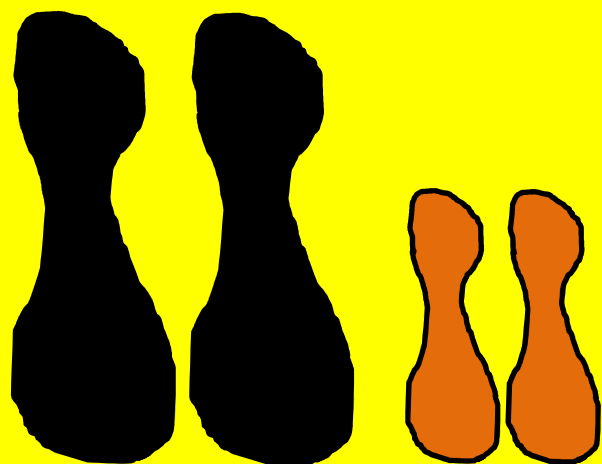


colchicine

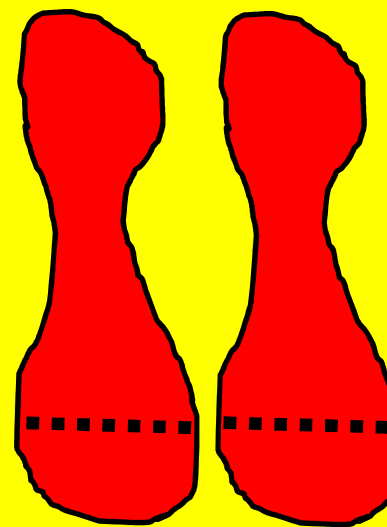


back-cross





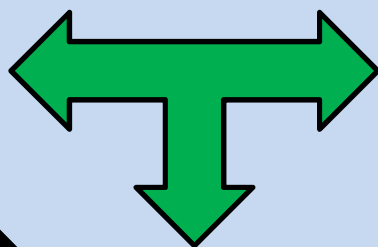
G hirsutum
AADD
52 chromosomes



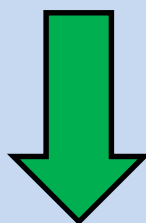
G longicalyx
FF
26 chromosomes

« Un croisement pas facile ! »
© JM. Lacape (CIRAD)

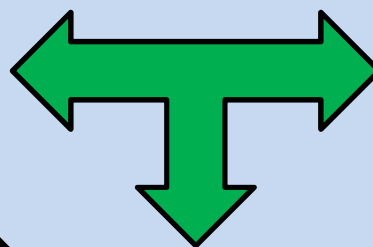
croisement



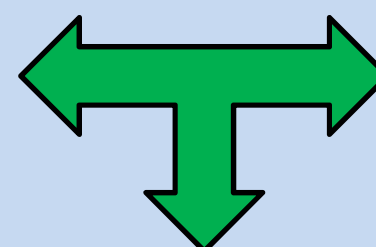
auto-
fécondation

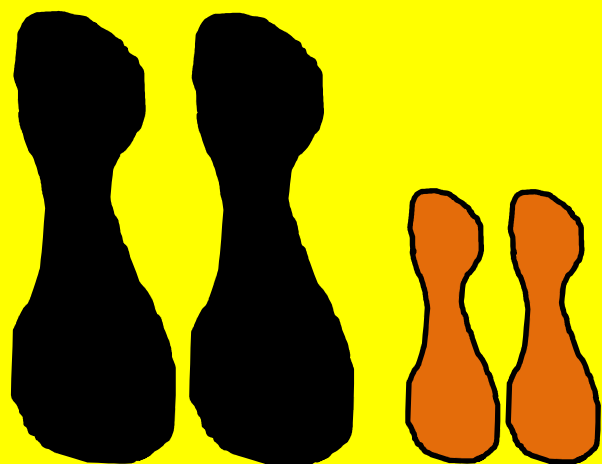


croisement

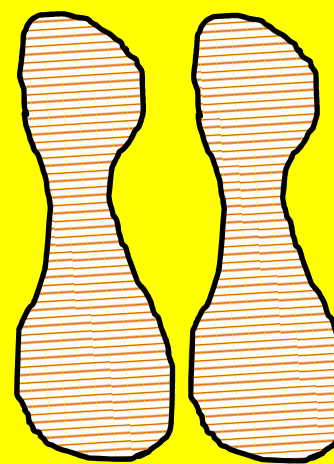


croisement



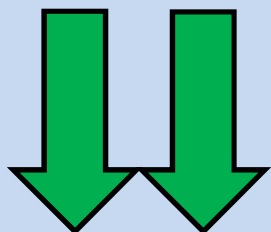


G. hirsutum
AADD
52 chromosomes

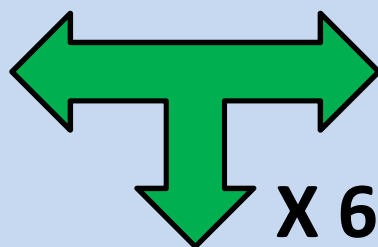


G. armourianum
D'D'
26 chromosomes

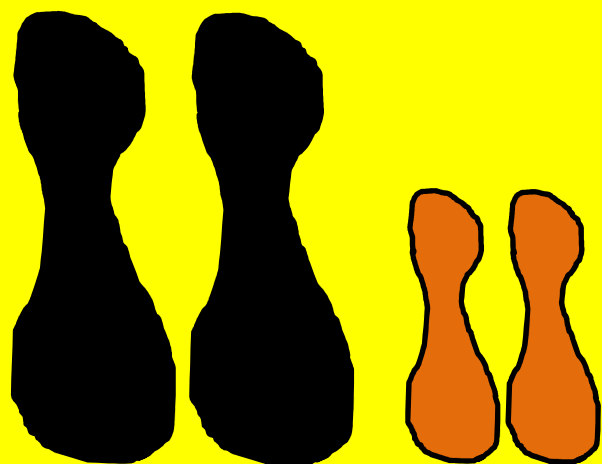
colchicine



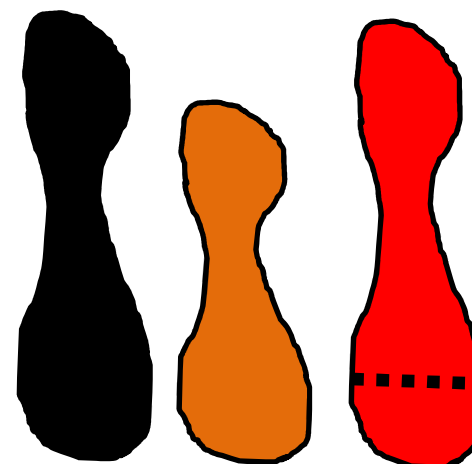
back-cross



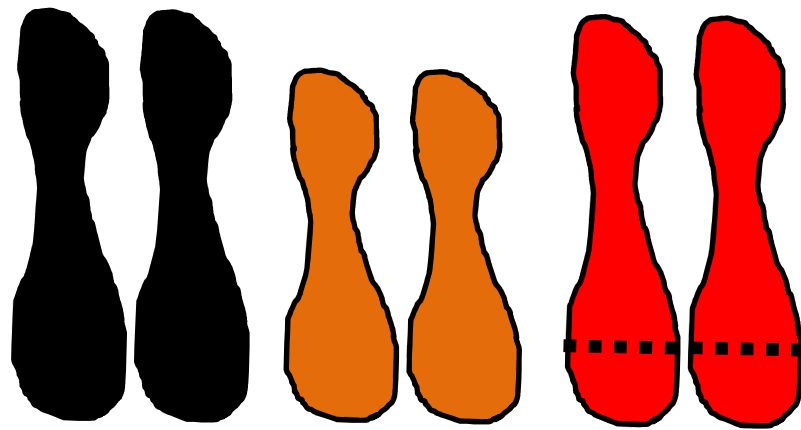
« Un croisement pas facile ! »
© JM. Lacape (CIRAD)



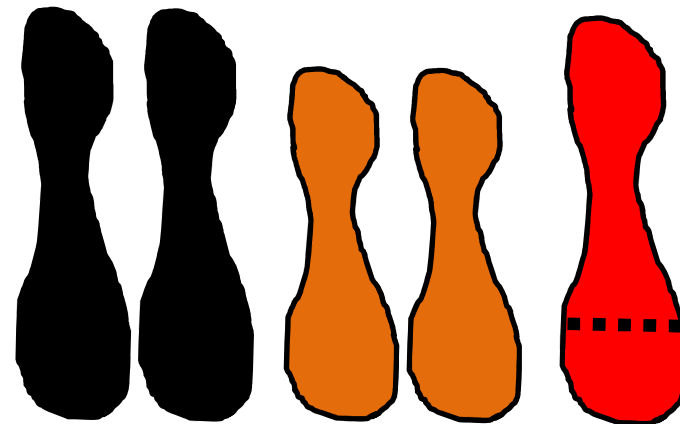
G. hirsutum
AADD
52 chromosomes



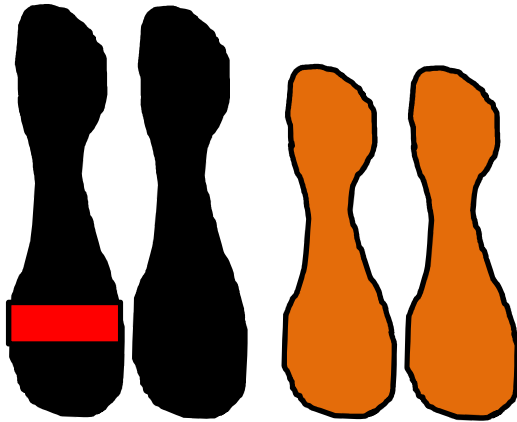
Hybride triploïde
ADF
39 chromosomes



Hybride hexaploïde
AADDFF
 78 chromosomes



Hybride pentaploïde
AADDF
 60 chromosomes

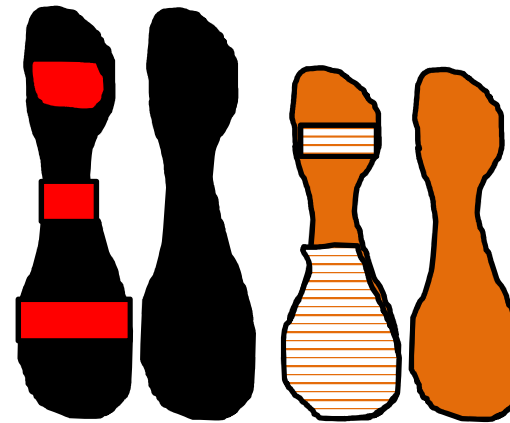


G hirsutum

AADD

Introgressé hétérozygote

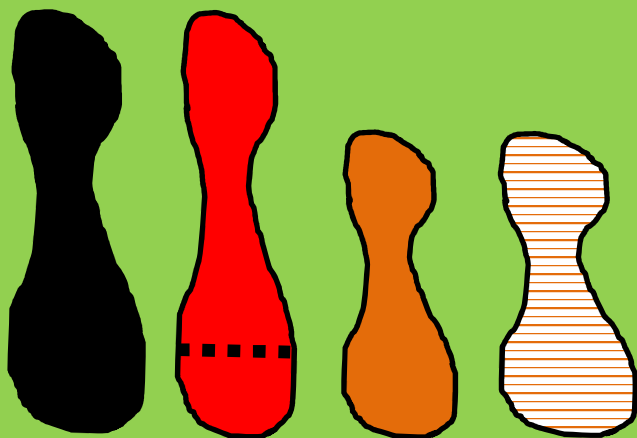
52 chromosomes



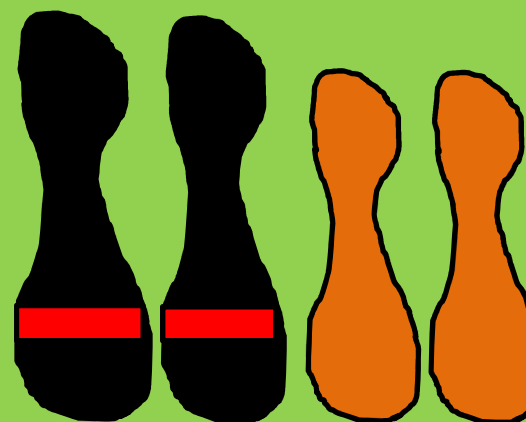
Hybride(s) intermédiaire(s)

Variable AFDD'

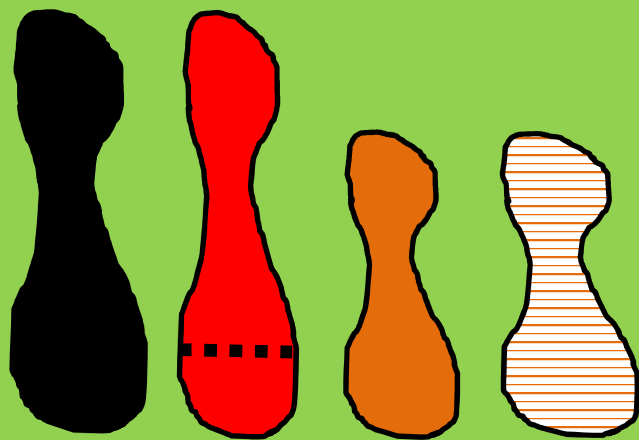
52 chromosomes



Hybride tétraploïde
AFDD' = HLA
 52 chromosomes



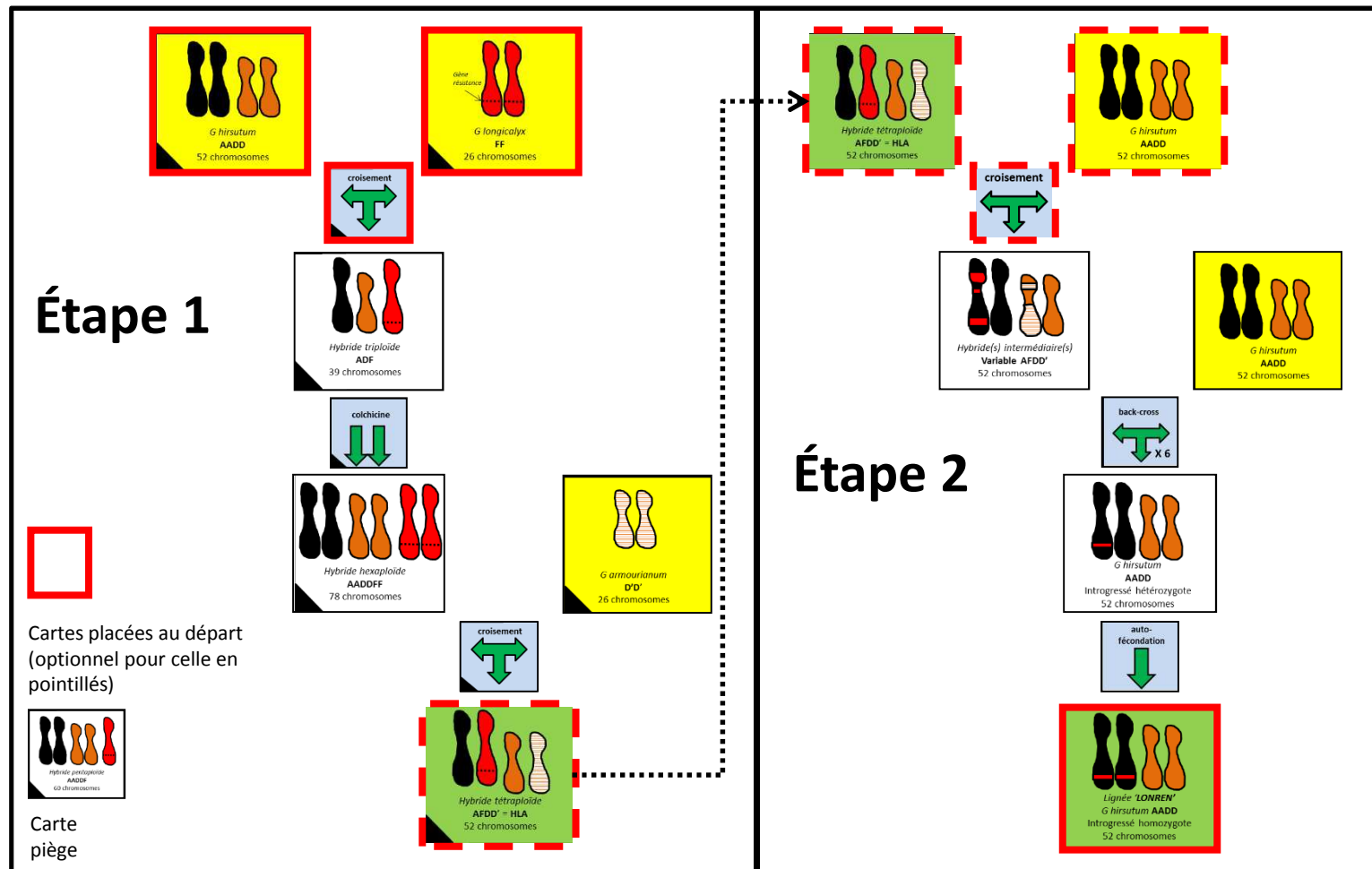
Lignée 'LONREN'
G hirsutum **AADD**
 Introgressé homozygote
 52 chromosomes



Hybride tétraploïde

AFDD' = HLA

52 chromosomes



« Un croisement pas facile ! »
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