

BLACK (NC) X RED

•Reds must pass 1x Red (b) gene

•Black (B) dominant to Red (b)

(Often first step to introduce high ranking black lines into red nucleus)



b b



B B



Bb



Bb



Bb



Bb

=

100%
Black Coat
(Red Carrier)
Calves

BLACK (RC) x BLACK (RC)

- 50% chance of RC bull passing on red
 - 50% chance of RC cow passing on red
 - 50% x 50% = 25% red calves
- (Cross utilises purpose bred RC's & exploits RC "pop ups" from Black populations)



B **b**



B **b**



BB



Bb



Bb



bb

=

25%
+
Double Black
+
50% Black Coat
(Red Carrier)
+
25% Red

BLACK (RC) x RED

RED GENE ANGUS PROGRAM

- 50% chance of RC bull passing on red
- 100% chance of red cow passing on red
- 50% x 100% = 50% red calves

(Cross utilises purpose bred RC's & exploits RC "pop ups" from Black populations)



B

b



B

b



Bb



Bb



bb



bb

=

50%
BlackCoat
(Red Carrier)
+
50% Red

RED x RED

- Red gene is recessive to Black gene
- Red animals can not “carry” Black
- Red x Red breeds true!



b

b



b

b



bb



bb



bb



bb

=

**100%
RED
CALVES**