

### Inheritance in armadillos:

hairy snout:  $hh$  is hairy;  $HH, Hh$  are smooth

droopy ears:  $dd$  is droopy;  $DD, Dd$  are straight

red eyes:  $rr$  are red;  $RR, Rr$  are brown

banded body:  $bb$  is banded;  $BB, Bb$  are unbanded

warty paws:  $WW, Ww$  are warty;  $ww$  are smooth

You cross a homozygous recessive strain to a homozygous dominant strain to make a heterozygous  $F_1$ .

$P_0$   $h/h; d/d; r/r; b/b; w/w$  ♂      x       $H/H; D/D; R/R; B/B; W/W$  ♀

You then make a cross between  $F_1$  males and females.

$F_1$   $H/h; D/d; R/r; B/b; W/w$  ♂      x       $H/h; D/d; R/r; B/b; W/w$  ♀

in the  $F_2$ , what is the probability of offspring with  
 hairy snouts   straight ears   brown eyes   banded bodies   warty paws ??