





Learn Mendelian inheritance with dragons

Table 1: Genes inherited from dragon parents

	Male gene (blue)	Female gene (green)
1		
2		
3		
4		
5		
6		
7		

Table 2: Genotype and phenotype of your baby dragon

Trait	Genotype	Phenotype
Fire-breathing /Does not breath fire (F/f)		
Number of toes (M/m)		
Spikes on tail (S/s)		
Tail colour (T/t)		
Wing colour (W/w)		
Horn/no horn (H/h)		
Body colour (A/a)		

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Table 3: Phenotype table (translate the dragon genotype into the phenotype)

Genotype	Phenotype
FF or Ff	Fire-breathing
ff	Does not breath fire
MM or Mm	Four toes
mm	Three toes
SS or Ss	Five spikes on tail
ss	Four spikes on tail
TT or Tt	Red tail
tt	Yellow tail
WW or Ww	Red wings
ww	Yellow wings
HH or Hh	Horn
hh	No horn
AA or Aa	Blue body and head
aa	Green body and head