

Trait	Possible alleles	Your Phenotype	Your Genotype(s)
Tongue rolling	Able to roll (R) Unable to roll (r)	8.	9.
Freckles	Have freckles (F) No freckles(f)	10.	11.
Widow's peak	Widow's Peak (W) Straight (w)	12.	13.
Earlobe	Free hanging (A) Attached (a)	14.	15.
Cleft chin	Have cleft (C) No cleft (c)	16.	17.
Thumb	Hitchhikers (H) Straight (h)	18.	19.
Dimples	Dimples (D) No dimples (d)	20.	21.
Interlocking fingers (when hands are clasped)	Left thumb on top (L) Right thumb on top (l)	22.	23.

2 possible phenotypes are listed here

Trait	Possible alleles	Your Phenotype	Your Genotype(s)
Tongue rolling	Able to roll (R) Unable to roll (r)	8. Able to roll	9.
Freckles	Have freckles (F) No freckles (f)	10.	11.
Widow's peak	Widow's Peak (W) Straight (w)	<p>I put my Phenotype here.</p> <p>I have the dominate phenotype</p>	
Earlobe	Free hanging (A) Attached (a)		
Cleft chin	Have cleft (C) No cleft (c)	16.	17.
Thumb	Hitchhikers (H) Straight (h)	18.	19.
Dimples	Dimples (D) No dimples (d)	20.	21.
Interlocking fingers (when hands are clasped)	Left thumb on top (L) Right thumb on top (l)	22.	23.

Trait	Possible alleles	Your Phenotype	Your Genotype(s)
Tongue rolling	Able to roll (R) Unable to roll (r)	8. Able to roll	9. RR or Rr
Freckles	Have freckles (F) No freckles(f)	10.	11.
Widow's peak	Widow's Peak (W) Straight (w)	12.	<p>Because I have the dominant phenotype I have 2 possible genotypes. So I must list both possible genotypes here</p>
Earlobe	Free hanging (A) Attached (a)	14.	
Cleft chin	Have cleft (C) No cleft (c)	16.	
Thumb	Hitchhikers (H) Straight (h)	18.	19.
Dimples	Dimples (D) No dimples (d)	20.	21.
Interlocking fingers (when hands are clasped)	Left thumb on top (L) Right thumb on top (l)	22.	23.

The next slide shows how you would fill in the table if you have the recessive phenotype.

Trait	Possible alleles	Your Phenotype	Your Genotype(s)
Tongue rolling	Able to roll (R) Unable to roll (r)	8. Unable to roll	9. rr
Freckles	Have freckles (F) No freckles(f)	<p>If you have the recessive phenotype you would write this</p>	
Widow's peak	Widow's Peak (W) Straight (w)		
Earlobe	Free hanging (A) Attached (a)		14.
Cleft chin	Have cleft (C) No cleft (c)	16.	<p>There is only one possible genotype for the recessive phenotype</p>
Thumb	Hitchhikers (H) Straight (h)	18.	
Dimples	Dimples (D) No dimples (d)	20.	21.
Interlocking fingers (when hands are clasped)	Left thumb on top (L) Right thumb on top (l)	22.	23.

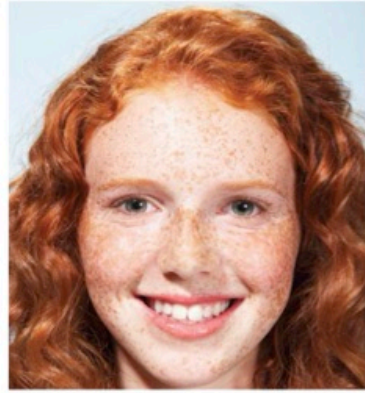
Now complete Table 5.1 by filling in your genotype and phenotype as answers to the questions in Part B of Lab 5 Lab Report.

Here is a reminder of what each phenotype looks like. Scroll down to see Table 5.1.

DOMINANT TRAITS



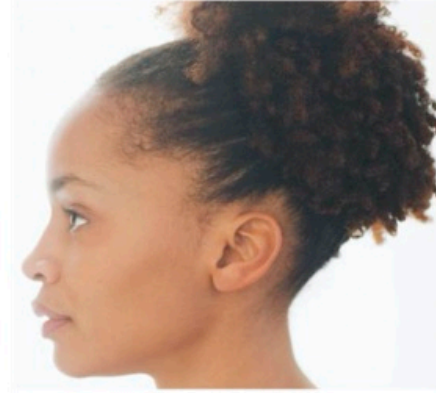
Tongue roll



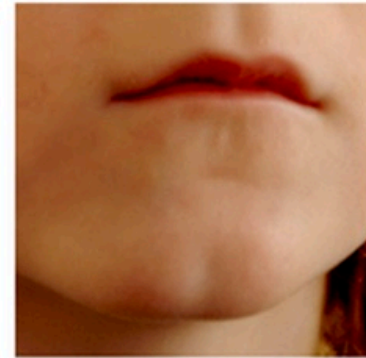
Freckles



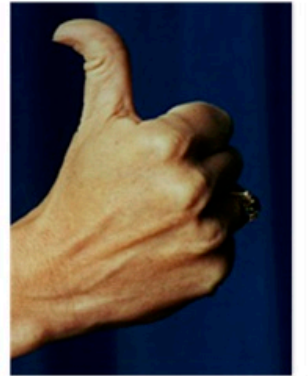
Widow's peak



Free earlobe

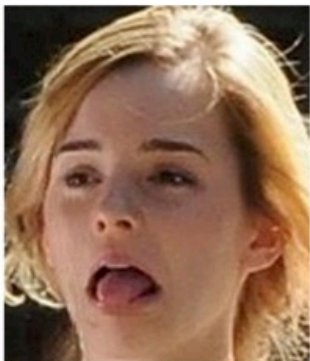


Cleft Chin



Hitchhikers thumb

RECESSIVE TRAITS



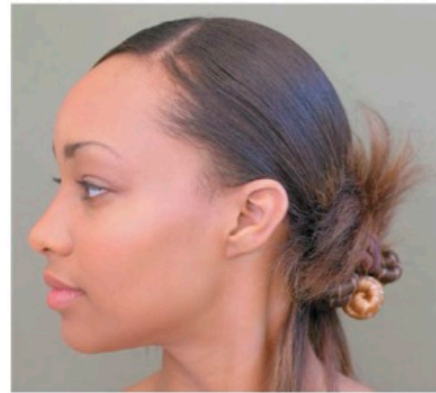
No roll



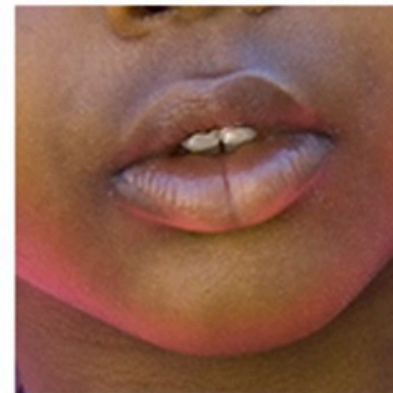
No Freckles



Straight hairline



Attached earlobe



Smooth Chin



Straight Thumb