

Student results sheet

Student name:

Identifying PTC phenotype

Put the paper strips on your tongue and record what you can taste. Then try to rate the intensity of the taste from 0-5.

0 = tasteless

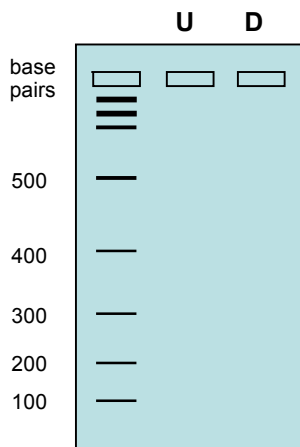
5 = very strong

	Taste	Rating (0-5)
Paper strip 1 (corner removed)		
Paper strip 2		

Table 1 Rate how the taste strip tasted

Identifying PTC genotype

Draw the results from your gel on the diagram below. Use the molecular ladder to help position your bands.



Tick the statement that describes your genotype:

In the digested lane, my DNA produced bands of 221bp only. I am a **homozygous non-taster** of PTC.

In the digested lane, my DNA produced bands of 177bp and 44bp. I am a **homozygous taster** of PTC.

In the digested lane, my DNA produced bands of 221bp, 177bp and 44bp. I am a **heterozygous taster** of PTC.

Does your phenotype correlate with your genotype?

Yes / No

If not, why might this be?