

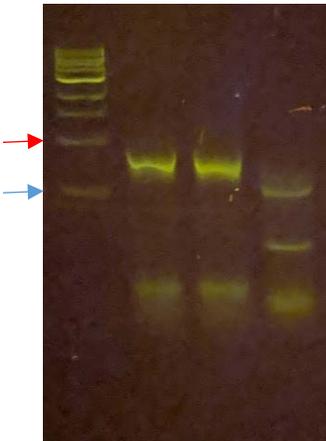
How big should my pellet be?



Your pellet should be at least 2mm thick, measuring from the bottom of the 1.5mL tube. Once you have completed the DNA extraction step, your Template tube should look like the 0.2ml PCR tube on the right.



What does a "good" gel look like?



Lane 1 shows the Marker/Ladder, 10uL was loaded.

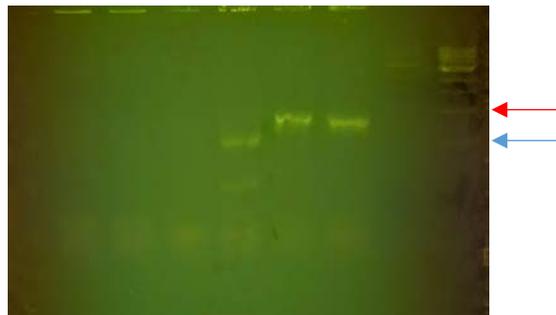
Lanes 2 and 3 are undigested PCR results. **10uL** was loaded in lane 2, **7.5uL** was loaded in lane 3. There is a strong band in both lanes running at just below the 1kb Marker band (**red arrow**)– that is the amplified TAS2R38 PCR-amplified fragment.

Lane 4 shows digested PCR results: **7.5uL** of the PCR product was digested with 5U of HaeIII for 5 minutes at 37C, then all of the sample was loaded onto the gel. There is a single band just above the 500bp Marker band (**blue arrow**), indicating that this PCR product came from a homozygous individual.

Will I see more with external bluelight or UV devices?

You usually do – the faint bands in the first three lanes of the follow gel is very blurry when viewed using only the internal BlueGel MiniGel lights, but can be seen more clearly using the external BlueBox. The rightmost two lanes were loaded with either 5uL or 10uL of the NEB 1Kb ladder.

BlueGel MiniGel – Internal



HaeIII	-	-	+	+	-	-	5uL M	10uL M
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MiniPCR BlueBox - External

