

## Chloroplast PCR electrophoresis results

PCR amplification of the rubisco chloroplast gene using the two sets of primers in this protocol should produce results similar to those shown in the gel below. Note that both primers do not necessarily work for each sample. Only send the samples for which you see results on the gel.

Both sets of primers result in approximately the same size PCR product (~200 base pairs).

The samples on the left side of the gel used Primer Set #1, and the samples on the right side of the gel used Primer Set #2.

From left to right the wells contained the following samples:

1. Toyon (*Heteromeles arbutifolia*)
2. Redbud (*Cercis occidentalis*)
3. Romneya (*Romneya coulteri*)
4. Calycanthus
5. Oak (*Quercus*)
6. Grass
7. Smilax (monocot)
8. 1Kb ladder
9. Toyon
10. Redbud
11. Romneya
12. Calycanthus
13. Oak
14. Grass
15. Smilax

