SEQUENCING

Primers:
- To pick primers, leave 50-80 base pairs before the area you would like sequenced.
- The melting temperature should be ~52-57°C.
- Primers should be ~22-25 b.p. long, depending on the G-C ratio and the melting temperature.
- The sequence you get back starts after the primer.
- Don’t forget to reverse the sequence for the bottom strand primer so that it reads from 5’ to 3’ when ordering.

Sequencing Solution Preparation:
Mix together the following:
- 1 ug DNA you want sequenced (suspended in H₂O, not T.E.)
- 50 ng sequencing primer
- H₂O to final volume of 6 ul total.

If you have more than 6 ul final volume, just inform the company of the total volume amount.

The Process:
- Fill out a sequencing form from BioTech Core.
- Take the form and your solutions (attached together) to the Beckman Center.
- Drop-off/Pick-up is at 11:30 AM every day.