

North Dakota State University
PLSC 731: Plant Molecular Genetics

On-Line Learning Study Guide
Mendel's Discoveries and Molecular Genetics

The following is your on-line study guide for the topic of "*Mendel's Discoveries and Molecular Genetics*". You have access to the following resources at this WWW site:

- **Highlighted .pdf Notes** (used in the on-line lecture)
- **Manuscripts describing Mendel's genes in a molecular context**
- **Study questions to answer with regards to the Reid and Ross paper**

Learning Objectives

1. Describe the phenotypes (traits) with which Mendel worked and the alternate alleles for each trait
2. Describe how each gene was cloned
3. Understand the molecular function for each of the genes
4. Understand the causative mutation for each recessive allele

Be prepared to be assessed by answering any of the study questions for the Reid and Ross paper.