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# **locuspocus Documentation**

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**locuspocus** is a [Python](#) package for creating, storing, manipulating, and comparing genetic coordinates, i.e. Loci. Locuspocus subscribes to the *build once, use many times* philosophy. The LocusPocus library provides a way to build single use loci objects, *or* persistent, named sets of Loci which are *freezable* and backed by the *minus80* python library.

To get started, import the locuspocus module

Since LocusPocus is backed by *minus80*, it has a similar persistence model. Before diving into the locuspocus documentation, it might be useful to refresh on how *minus80* models data.

LocusPocus offers access to the following objects:

- Locus (a genetic coordinate)
- RefLoci (a *freezable* set of Reference Loci)
- Term (a subset of related loci, e.g. GO/KEGG/MapMan Terms)
- Ontology (a *freezable* set of Reference Terms)

The differences between these objects is important but subtle. As always, perhaps the best way to understand how these work together is through an example.

Two main objects are available: a `Locus` class that represents a genetic coordinate, and a `RefLoci` object that represents a set of Loci which have a collective meaning.



# CHAPTER 1

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## CHAPTER 2

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### Indices and tables

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