SNP-level Classes used in the oligoClasses Package

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1 Introduction

This document provides an overview of the classes used to contain SNP-level summaries from high-throughput SNP platforms, such as Affymetrix. These classes are used by the R packages oligo, SNPchip, and VanillaICE. See the oligo package for more details regarding the feature-level classes.

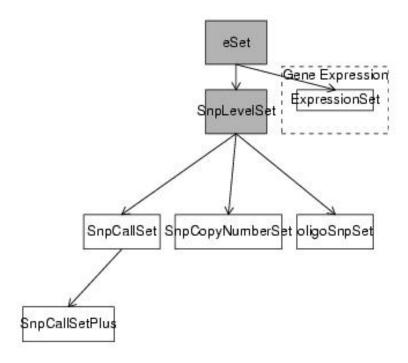


Figure 1: Hierarchy of SNP-level classes. Virtual classes are shaded.

SNP-level classes include

- SnpCallSet: a class for genotype calls and confidence scores. AssayData elements include calls and callsConfidence.
- SnpCopyNumberSet: class for copy number and confidence scores. AssayData elements include copyNumber and cnConfidence.
- oligoSnpSet: class containing both genotype calls and copy number estimates, as well as the corresponding confidence scores. AssayData elements include include the union of elements in SnpCallSet and SnpCopyNumberSet.