

# 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.

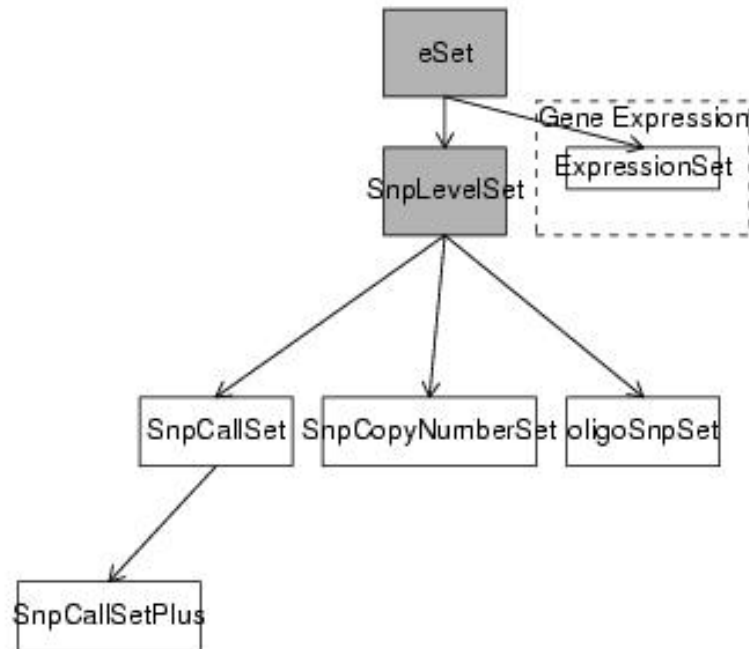


Figure 1: Hierarchy of SNP-level classes. Virtual classes are shaded.

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 the union of elements in `SnpCallSet` and `SnpCopyNumberSet`.