SNP-level Classes used in the *oligo*Classes Package

Robert B. Scharpf

October 22, 2008

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.

![Hierarchy of SNP-level classes. Virtual classes are shaded.](image)

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.