4 FeatureSet Class

The FeatureSet class is a virtual class to be used with the feature-level data and is created from the eSet class. Different classes are created from this:

- ExpressionFeatureSet: for expression arrays;
- SnpFeatureSet: for SNP arrays;
- ExonFeatureSet: for exon arrays;
- TilingFeatureSet: for tiling arrays.

5 SnpQSet Class

The SnpQSet class is created by the snprma() method. It contains four matrices, which contain the summarized information for SNP data. The four matrices are:

- antisenseThetaA: summarized data at the SNP-level for the antisense strand and allele A;
- antisenseThetaB: summarized data at the SNP-level for the antisense strand and allele B;
- senseThetaA: summarized data at the SNP-level for the sense strand and allele A;
- senseThetaB: summarized data at the SNP-level for the sense strand and allele B;

This is the expected input to the genotyping algorithm, crlmm().

6 SnpCallSet Class

The SnpCallSet class is a container for the output of genotyping algorithm, eg. crlmm(). It contains two matrices: calls and callsConfidence, which hold respectively the genotype calls and associated measures of confidence.

7 SnpCopyNumberSet Class

The SnpCopyNumberSet class is a container for the output of copy number analysis. It contains two matrices: copyNumber and copyNumberConfidence, which hold respectively the copy number estimates and associated measures of confidence.