

Description of CustomCDF package

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1 Introduction

The *CustomCDF* package includes a couple of unique functions related Gene chip analysis.

1. Function 'removeprobe' removes unwanted probes from cdf environment
2. Function 'getsnprobe' returns a list of allele-specific probes based on user-input criteria. The list can be used along with 'removeprobe'
3. Function 'createcdfenv' generate cdf environment on-the-fly. No cdf package is needed
4. Function 'read.affybatch.hybrid' reads different chips into one AffyBatch object by converting coordinate of probes that have the same sequence in different chips. And a new cdf environment variable that would only use common probes would be assigned to global environment for following analyses.