

## OncoScan™ FFPE Assay Kit Services Projects - READ ME

The purpose of this document is to describe the information delivered to you for your Affymetrix OncoScan™ FFPE Assay Kit Services Project and to provide additional support for your downstream analysis.

### 1 DELIVERED FILES

There are two types of files provided in this delivery.

#### 1.1 Data Summary Files

These files are generated from the raw CEL files as part of the primary data analysis process using Affymetrix internal software.

1. **Report.pdf:** Report file that describes the Services project and summarizes the results.
2. **Sample\_Table.xls:** Excel file that maps samples from the customer's Manifest to an Experiment and summarizes the data by sample. The following columns are included:

Column Name	Description
Plate Name	The barcode number of the plate.
Well	The name of the well from A01-D12.
Sample Name	Name of the sample as provided by the customer.
Sample Source	Source of the sample: "Customer" or "Affy" (Affymetrix controls)
Sample Type	Type of cancer/tissue. This information is very useful due to differences in tissue type.
Total DNA (ng)	Affymetrix PicoGreen concentration (averaged from two readings). If >75ng is supplied, ~75ng are used in the assay, otherwise all available DNA for a sample is used, unless other arrangements were made with the lab.
OS Chp File	Unique identifier of experiment performed by Affy to assess a given sample. In some cases, multiple experiments are performed on a sample with the same name, so this identifier distinguishes these experiments.
MAPD	MAPD is a global measure of the variation of all microarray probes across the genome. It represents the median of the distribution of changes in log2 ratio between adjacent probes. Since it measures differences between adjacent

Column Name	Description
	probes, it is a measure of short-range noise in the microarray data. Lower MAPD values are better.
ndSNPQC	The metric SNPQC is a measure of how well genotype alleles are resolved in the microarray data. ndSNPQC is the same metric but is only applied to normal diploid markers (that is those that have been determined to have Copy Number =2 in the sample). Larger ndSNPQC values are better.
Sample Status	Status of the sample based on QC metrics: Pass or Fail.
Failure Mode	If a sample fails, the mode of its failure.
Submitted Gender	Gender of the sample as reported by the customer.

## 1.2 Data Files

- 1. OS Chp files:** These files can be loaded into BioDiscovery's Nexus software for further analysis of your project. There is one file per sample.
- 2. Nexus Directory:** This folder contains the information needed to open your project using Nexus Copy Number™ Software. Please see link below to download your copy of the software.

## 2 ADDITIONAL RESOURCES ONLINE

There is additional information available on the Affymetrix website.

OncoScan™ Assay Kit Product Page:

<https://www.thermofisher.com/order/catalog/product/902293>

BioDiscovery, Inc. Nexus Copy Number™ Software Product Page:

<http://www.biodiscovery.com/nexus-copy-number/>

Download a copy of Nexus for Affymetrix here:

<http://www.biodiscovery.com/oncoscan/>