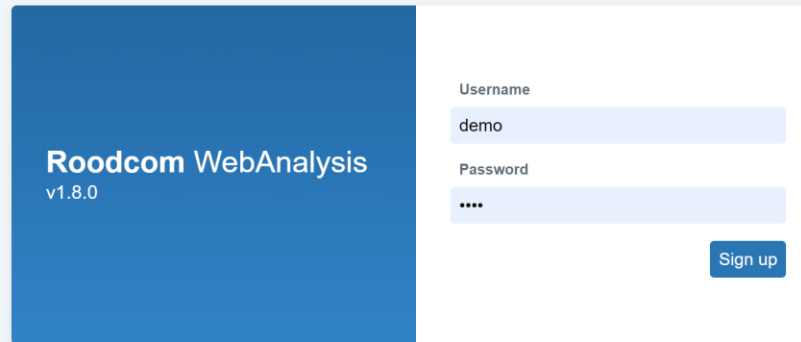


Introducing Roodcom WebAnalysis

Learn more at roodcom.nl

Roodcom WebAnalysis

- Digital PCR data analysis and management application
- Online, secured server
 - No software needed
 - Easily accessible from the browser
- Multiple users, shared collections



The image shows a login interface for 'Roodcom WebAnalysis v1.8.0'. It features a blue header on the left with the application name and version. On the right, there is a white box containing a 'Username' field with the text 'demo', a 'Password' field with masked characters '....', and a blue 'Sign up' button.

Roodcom WebAnalysis
v1.8.0

Username
demo

Password
....

Sign up

Dashboard

- Collections
 - Projects
 - Files

RC WebAnalysis

Type to search...v1.8.0

Dashboard

Welcome **Demo User**.

Number of collections
3

App version
v1.8.0

+

Create new collection

⚙

Set personal settings

Collection name ⓘ	Description	# of projects
Database archival samples	All samples collected.	8
Demo collection	For demonstration purposes only.	1
New manuscript	All files for new manuscript.	3

Dashboard

- Collections
 - Projects
 - Files
- Verify project → read-only

RC WebAnalysis » Demo collection

Type to search... v1.8.0

Collection

Demo collection

Description

For demonstration purposes only.

Number of projects

1

Create new project

Create new overview

Edit collection properties

Return to dashboard

Projects

Overviews

Project name ↓	Description	# of files	Last edit
✓ Demo project	Variety of examples.	6	2019-09-24 22:13

This project is verified.
All its contents are read-only.

Projects

- Import data from QuantaSoft
 - One or several QLP
 - Complete or partly
- Show files and results
 - In a ordered list

RC WebAnalysis » Demo collection » Demo project

Type to search...v1.8.0

Project

Demo project

Description

Variety of examples.

Number of files / saved results

6 / 6

Status

Verified

✖ Unverify project

🔍 Return to collection

List viewMerged viewPlate view

File name I2	Channel 1	Channel 2	Format	Result	Droplets	
Healthy PBL	chromosome 1	reference	CNV2	1.99	14272	🟢 DP
Heterozygous carrier	mutation	wild-type	FA	49.3%	14665	🟢 DP
Homozygous wild-type	mutation	wild-type	FA	n/a	15277	🟢 DP
Negative control	mutation	wild-type	FA	n/a	15602	🟢 DP
PBMC control	delta_D	reference	TCF	59.8%	11956	🟢 DP
Tumor	mutation	wild-type	FA	2.9%	12859	🟢 DP

🔍 Show resultsExport⚙️ Table settings

Projects

- Import data from QuantaSoft
 - One or several QLP
 - Complete or partly
- Show files and results
 - In a ordered list
 - Merged per file name and format

RC WebAnalysis » Demo collection » Demo project

Type to search... v1.8.0

Project

Demo project

Description

Variety of examples.

Number of files / saved results

6 / 6

Status

Verified

✖ Unverify project

🔍 Return to collection

List view

Merged view

Plate view

Sample ID	Fractional Abundance mutation wild-type	T-cell fraction delta_D reference	Copy number chromosome 1 reference
Healthy PBL			1.99
Heterozygous carrier	49.3%		
Homozygous wild-type	n/a		
Negative control	n/a		
PBMC control		59.8%	
Tumor	2.9%		

Projects

- Import data from QuantaSoft
 - One or several QLP
 - Complete or partly
- Show files and results
 - In a ordered list
 - Merged per file name and format
 - As in the plate

RC WebAnalysis » Demo collection » Demo project

Type to search... v1.8.0

Project

Demo project

Description

Variety of examples.

Number of files / saved results

6 / 6

Status

Verified

✖

Unverify project

🔍

Return to collection

List view

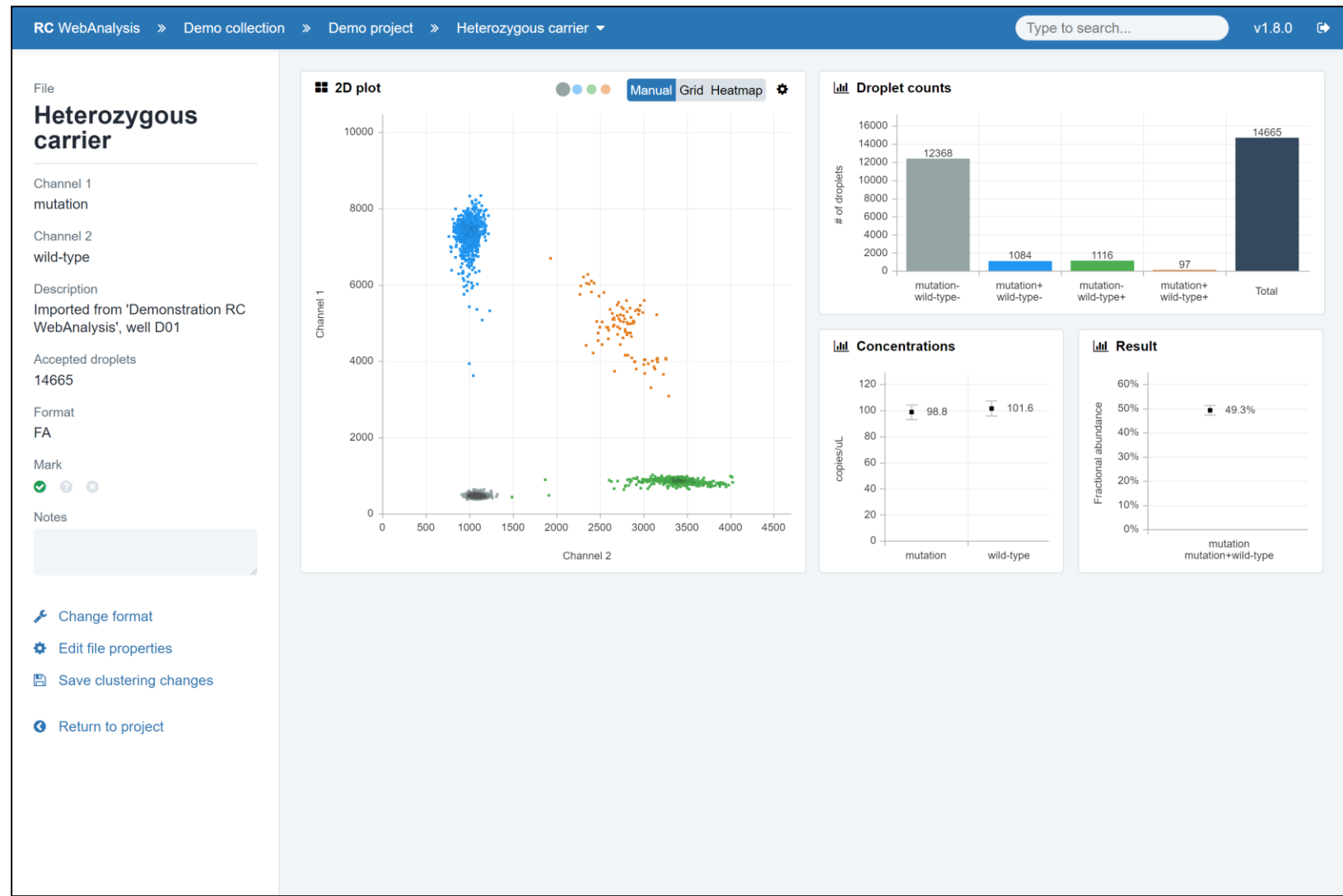
Merged view

Plate view

01	
A	Negative control mutation wild-type n/a FA
B	Homozygous wild-type mutation wild-type n/a FA
C	Tumor mutation wild-type 2.9% FA
D	Heterozygous carrier mutation wild-type 49.3% FA
E	Healthy PBL chromosome 1 reference 1.99 CNV2
F	PBMC control delta_D reference 59.8% TCF
G	
H	

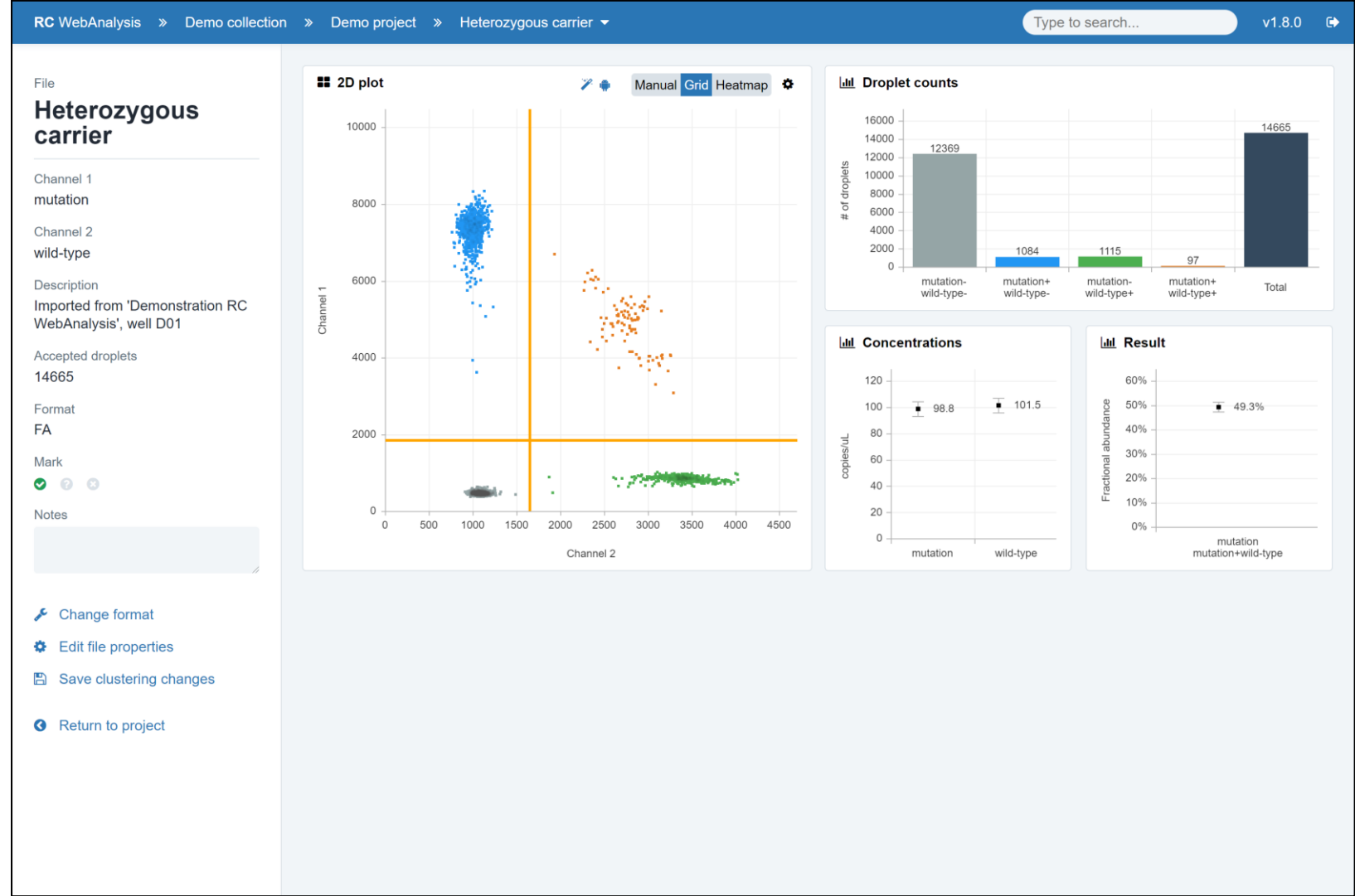
Files

- Data copied from original files
 - Template data (names, assays)
 - Plate data (droplets, clustering)
- Clustering
 - Manual (lasso, grid)



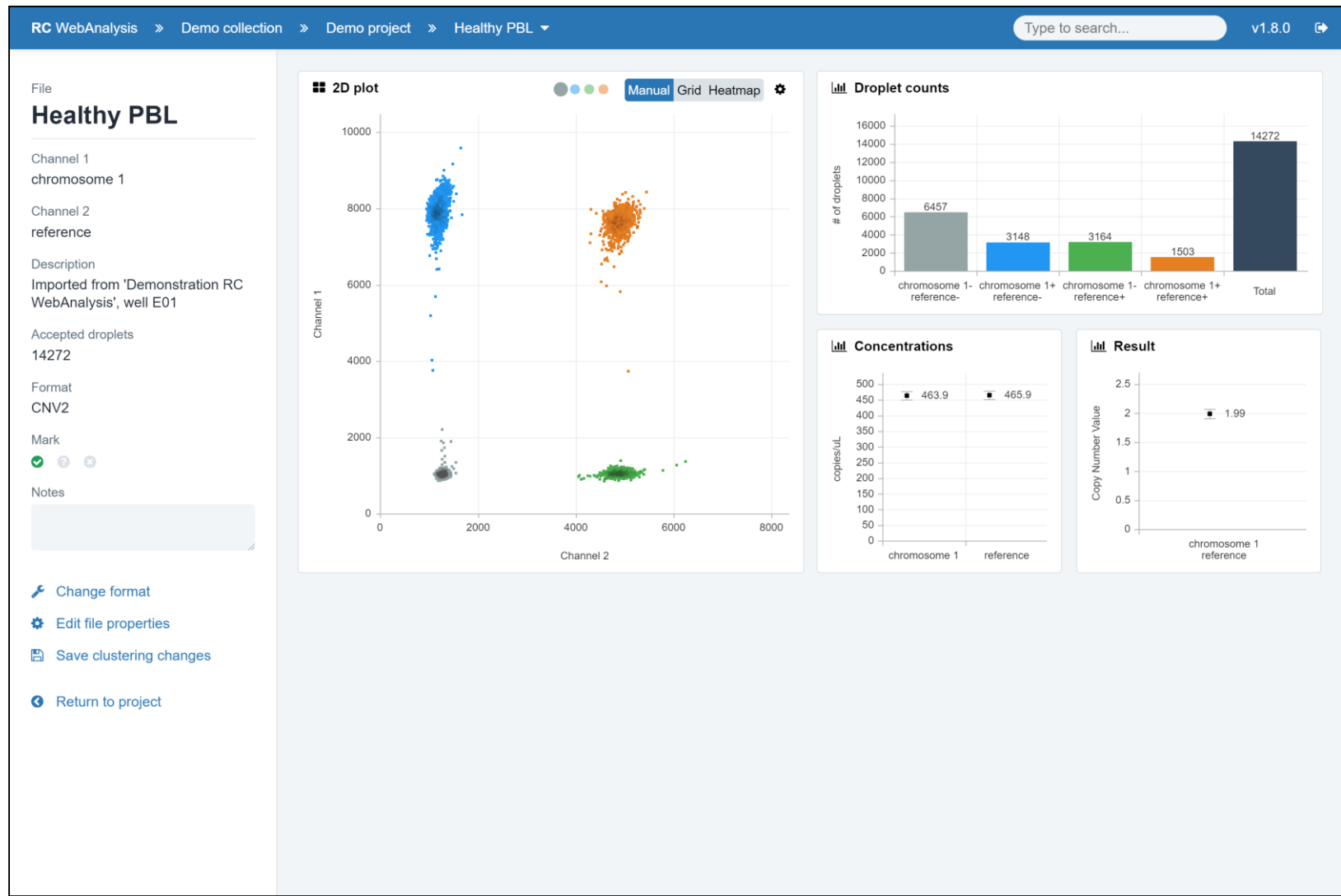
Files

- Data copied from original files
 - Template data (names, assays)
 - Plate data (droplets, clustering)
- Clustering
 - Manual (lasso, grid)
 - Automatic
- Calculations
 - Droplet counts
 - Concentration
 - Result according to format



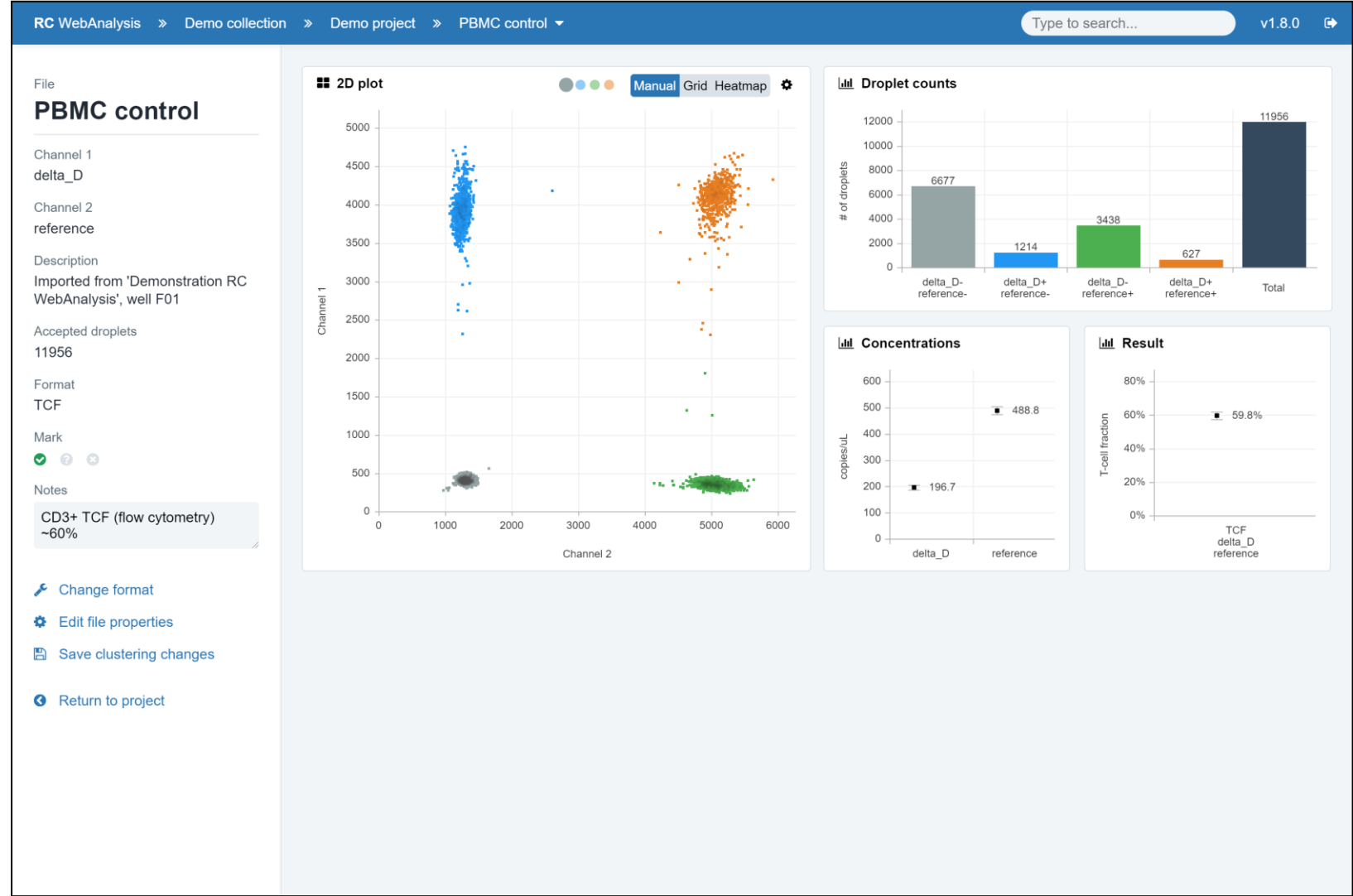
Formats

- Classic duplex formats
 - Ratio
 - Copy Number Value (CNV)
 - Fractional Abundance (FA)



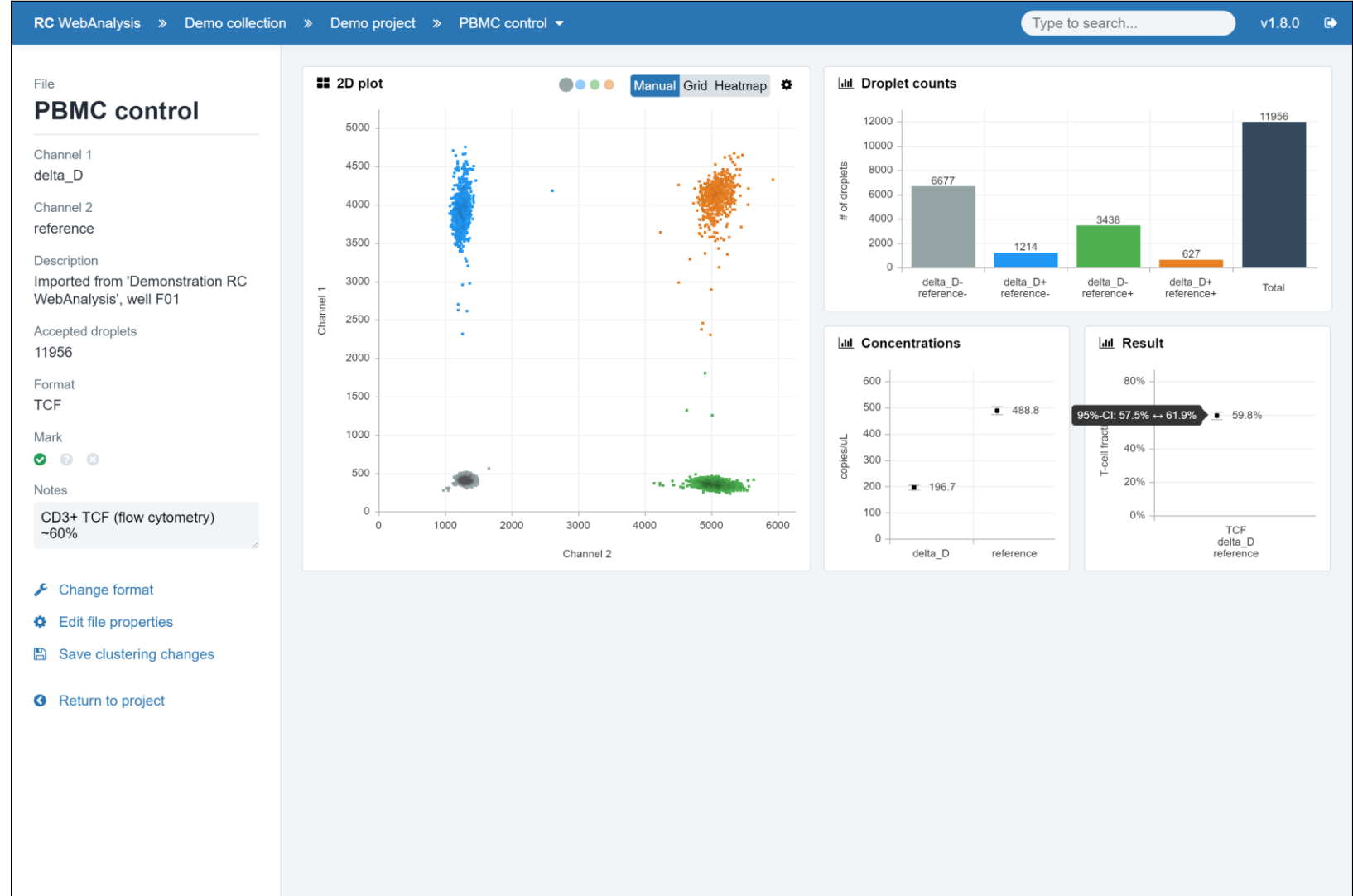
Formats

- Classic duplex formats
 - Ratio
 - Copy Number Value (CNV)
 - Fractional Abundance (FA)
- Flexibility for new formats
 - E.g. T-cell fraction



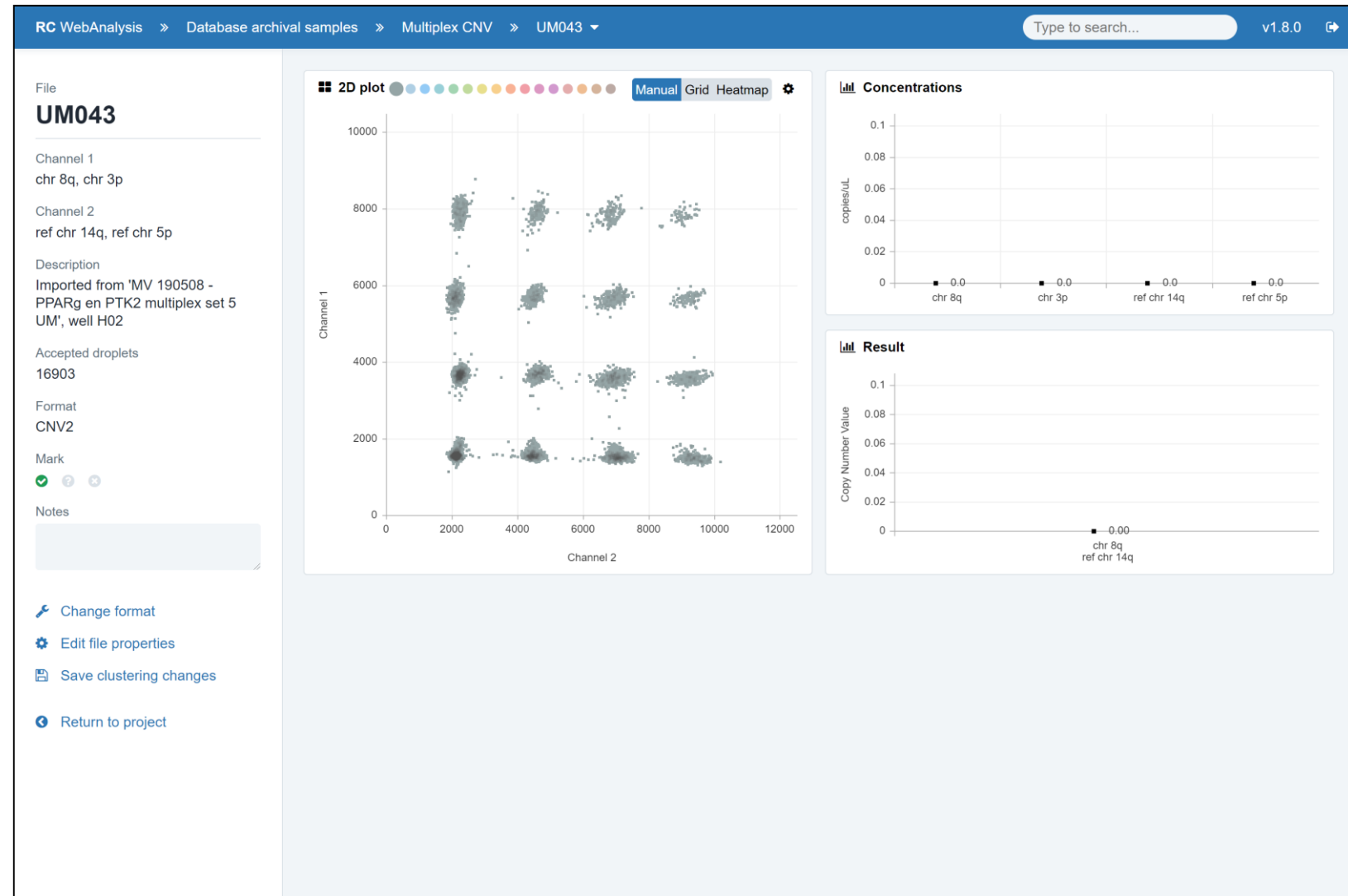
Formats

- Classic duplex formats
 - Ratio
 - Copy Number Value (CNV)
 - Fractional Abundance (FA)
- Flexibility for new formats
 - E.g. T-cell fraction
- Confidence intervals



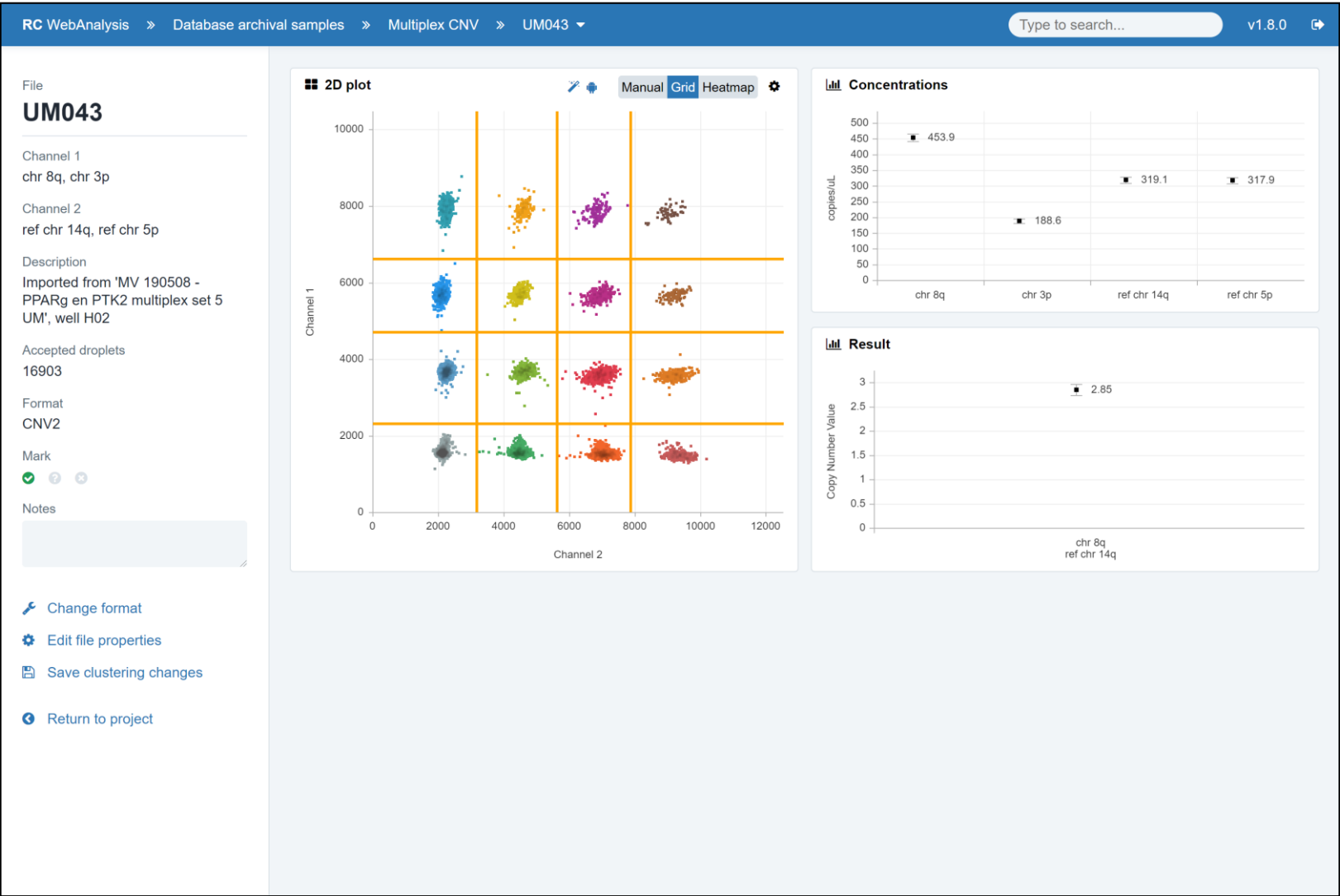
Multiplexing

- Dedicated analysis features



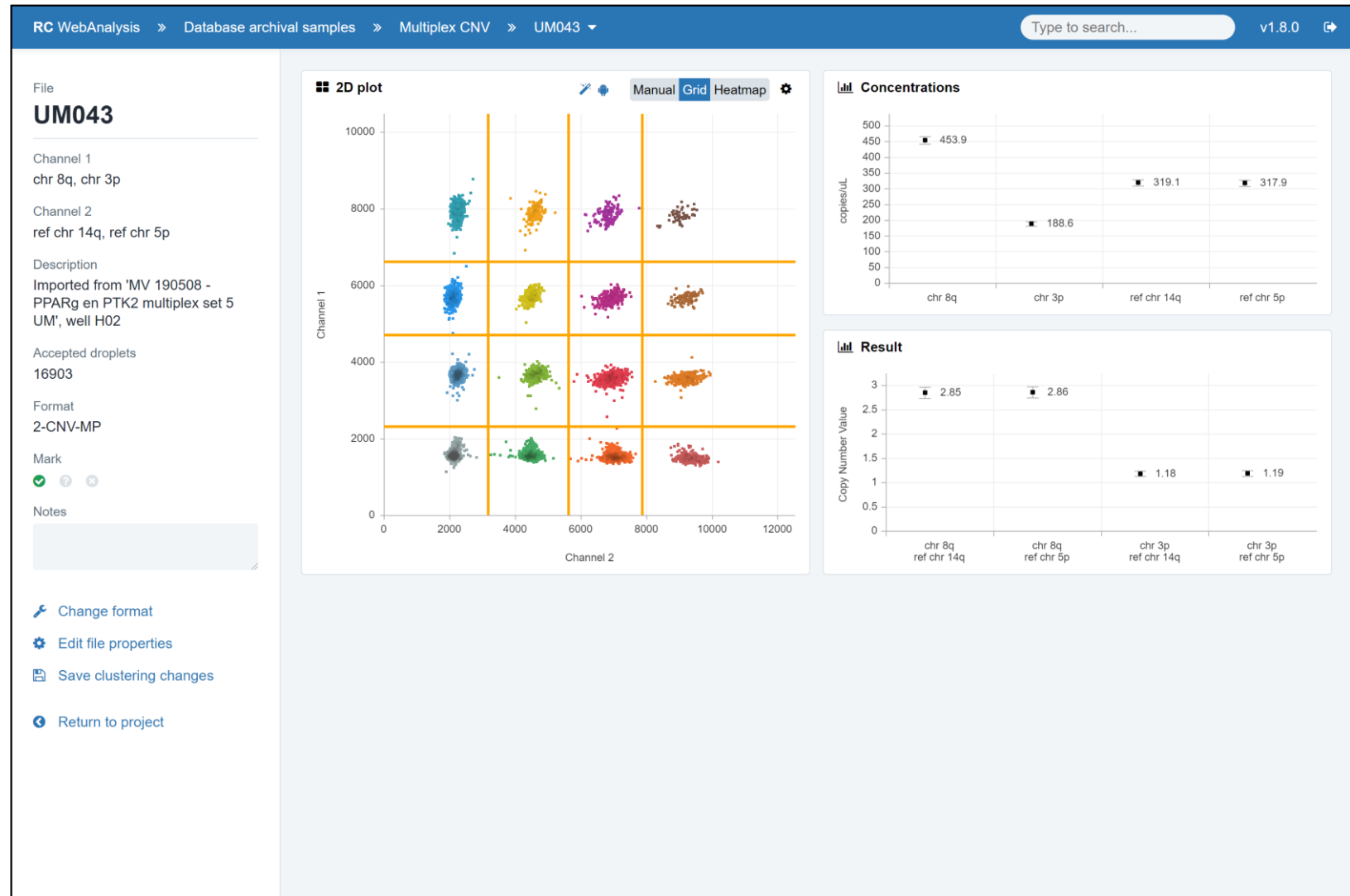
Multiplexing

- Dedicated analysis features
 - Automatic clustering



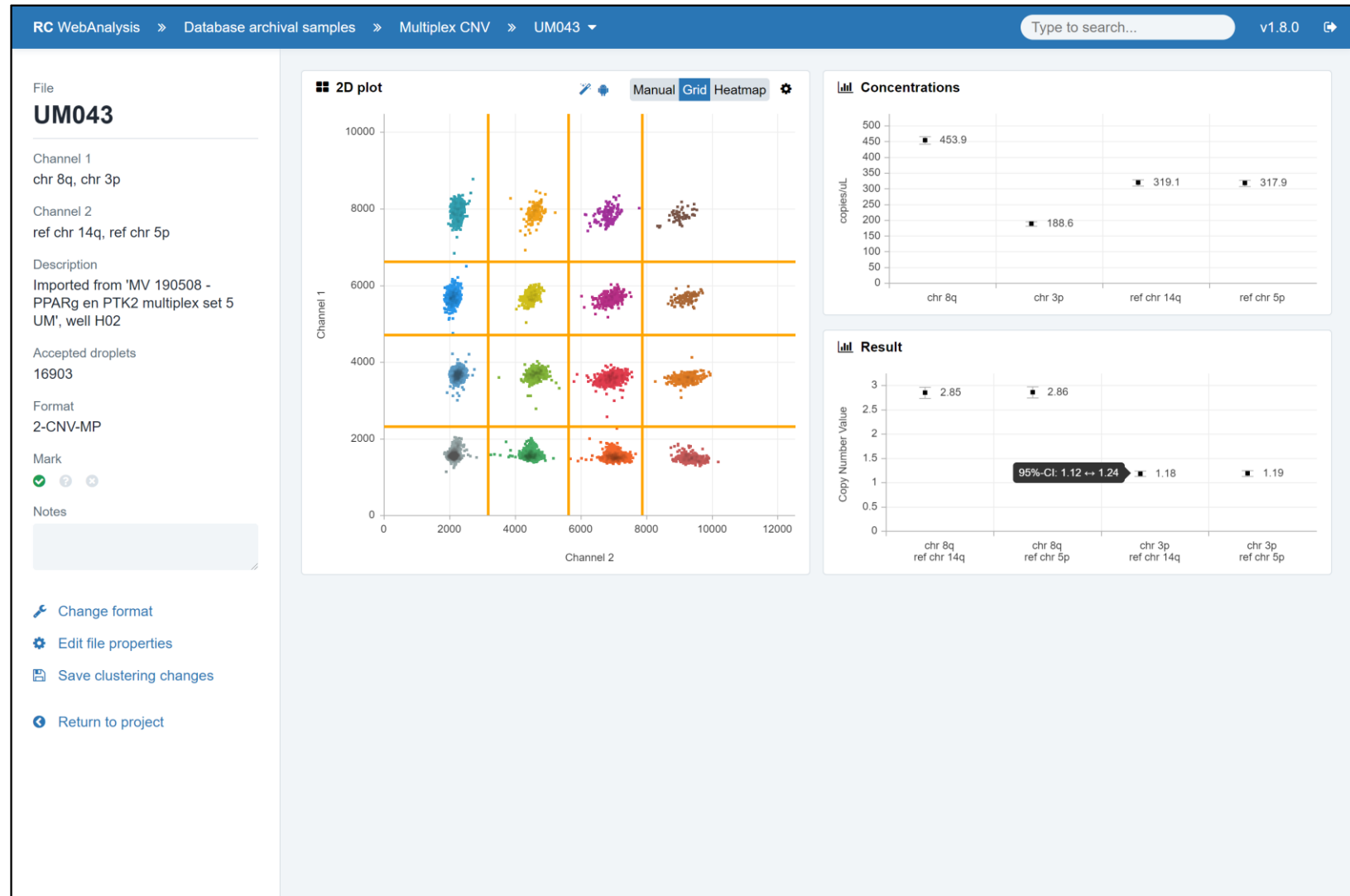
Multiplexing

- Dedicated analysis features
 - Automatic clustering
- Multiplex formats
 - More calculations from one experiment



Multiplexing

- Dedicated analysis features
 - Automatic clustering
- Multiplex formats
 - More calculations from one experiment
- Confidence intervals

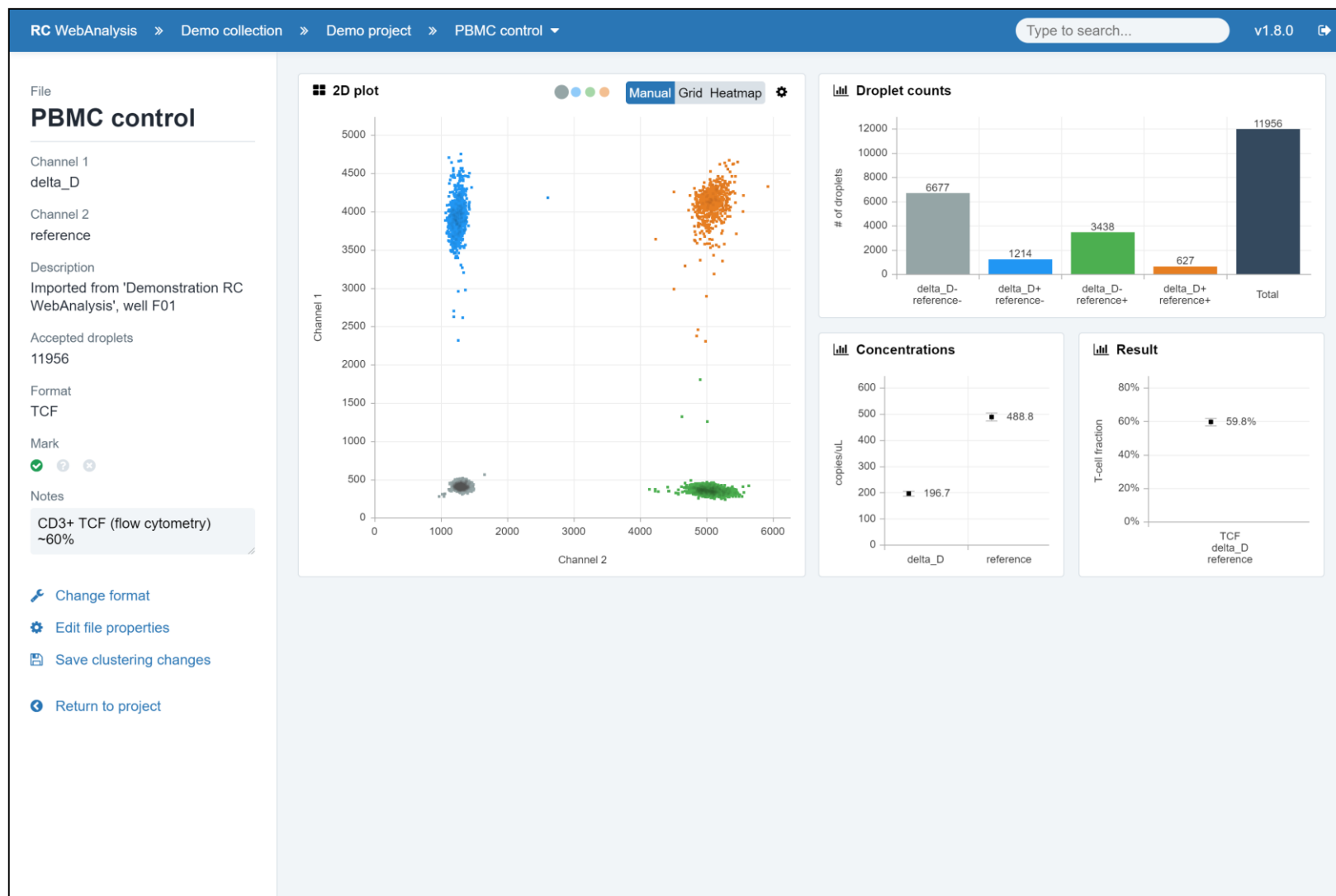


Data management

- Result security
 - Verified / read-only
 - Audit trail
- Database
 - Old and new experiments
 - Flexibility of collections, projects

Data management

- Result security
 - Verified / read-only
 - Audit trail
- Database
 - Old and new experiments
 - Flexibility of collections, projects
 - Annotations



Data management

- Result security
 - Verified / read-only
 - Audit trail
- Database
 - Old and new experiments
 - Flexibility of collections, projects
 - Annotations
 - Searchable

RC WebAnalysis

UM043v1.8.0

Search

UM043

Number of files / saved results
3 / 6

List viewMerged view

	File name ¹ / ₂	Channel 1	Channel 2	Format	Result interpretation	Result	Droplets	
	UM043	GNA11 mut	GNA11 wt	FA	Fractional Abundance GNA11 mut GNA11 wt	42.8%	15744	✓ DP
	UM043	GNAQ mut	GNAQ wt	FA	Fractional Abundance GNAQ mut GNAQ wt	n/a	15650	✓ DP
	UM043	chr 8q, chr 3p	ref chr 14q, ref chr 5p	2-CNV-MP	Copy Number chr 8q / ref chr 14q	2.85	16903	✓ MP
	UM043	chr 8q, chr 3p	ref chr 14q, ref chr 5p	2-CNV-MP	Copy Number chr 8q / ref chr 5p	2.86	16903	✓ MP
	UM043	chr 8q, chr 3p	ref chr 14q, ref chr 5p	2-CNV-MP	Copy Number chr 3p / ref chr 14q	1.18	16903	✓ MP
	UM043	chr 8q, chr 3p	ref chr 14q, ref chr 5p	2-CNV-MP	Copy Number chr 3p / ref chr 5p	1.19	16903	✓ MP

Show results

Export

Table settings

Data management

- Result security
 - Verified / read-only
 - Audit trail
- Database
 - Old and new experiments
 - Flexibility of collections, projects
 - Annotations
 - Searchable
- Exportable
 - Specific or complete
 - All results + confidence intervals

RC WebAnalysis

UM043v1.8.0

Search

UM043

Number of files / saved results
3 / 6

List viewMerged view

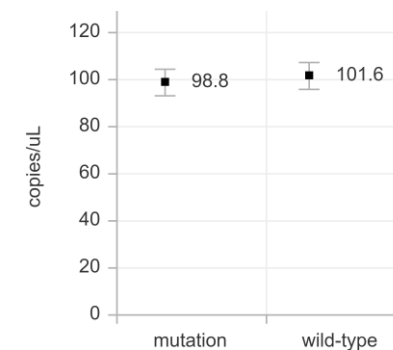
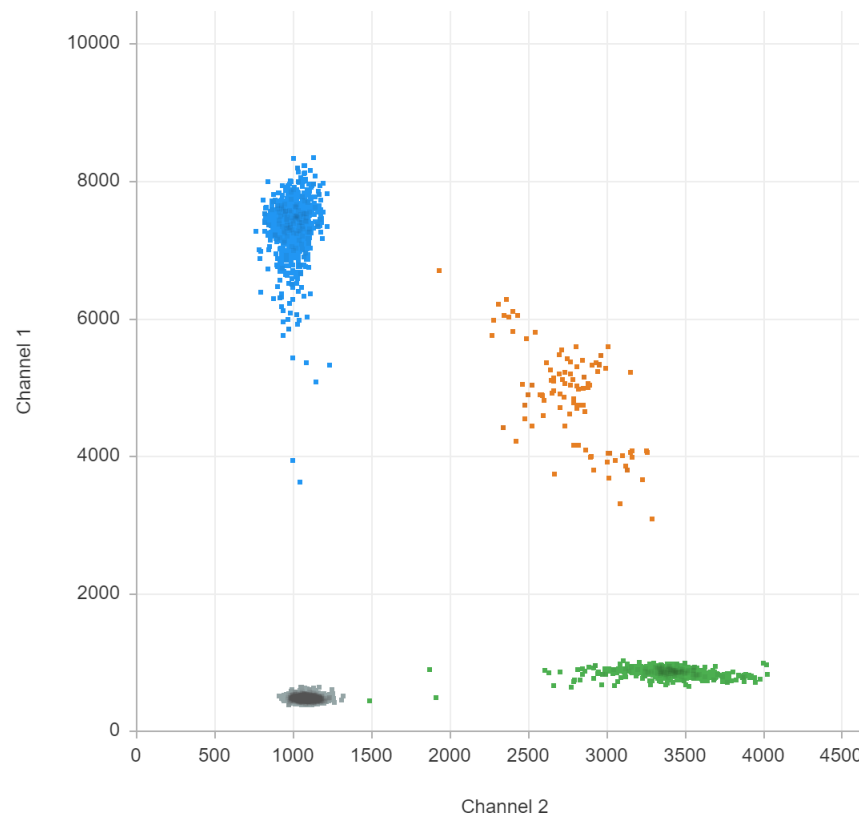
☒	File name ^{1 2}	Channel 1	Channel 2	Format	Result interpretation	Result	Droplets	
☒	UM043	GNA11 mut	GNA11 wt	FA	Fractional Abundance GNA11 mut GNA11 wt	42.8%	15744	☒ DP
☒	UM043	GNAQ mut	GNAQ wt	FA	Fractional Abundance GNAQ mut GNAQ wt	n/a	15650	☒ DP
☒	UM043	chr 8q, chr 3p	ref chr 14q, ref chr 5p	2-CNV-MP	Copy Number chr 8q / ref chr 14q	2.85	16903	☒ MP
☒	UM043	chr 8q, chr 3p	ref chr 14q, ref chr 5p	2-CNV-MP	Copy Number chr 8q / ref chr 5p	2.86	16903	☒ MP
☒	UM043	chr 8q, chr 3p	ref chr 14q, ref chr 5p	2-CNV-MP	Copy Number chr 3p / ref chr 14q	1.18	16903	☒ MP
☒	UM043	chr 8q, chr 3p	ref chr 14q, ref chr 5p	2-CNV-MP	Copy Number chr 3p / ref chr 5p	1.19	16903	☒ MP

Show resultsExport

Table settings

Data management

- Result security
 - Verified / read-only
 - Audit trail
- Database
 - Old and new experiments
 - Flexibility of collections, projects
 - Annotations
 - Searchable
- Exportable
 - Specific or complete
 - All results + confidence intervals
 - High-quality plots



Overview

Roodcom WebAnalysis

- New digital PCR analysis environment
- Online, no software to be installed
- Flexible data analysis and management
- Duplex and multiplex support
- For new and archival data

Contact us for demo license: contact@roodcom.nl