

# Updates in CaseSolver

v1.5

# Improved profile visualization

- Utilizes the new functions added to euroformix v2.2
- Requires the plotly R-package
- See “About new visualisation in version 2.2” at <http://euroformix.com/> for different data type support

# Simpler profile selection

- The buttons “Deconvolution” and “Export” in Data panel are exchanged with the button “Marked profile(s)”
- The user marks profiles before clicking “Marked profile(s)”
- Gives easier data selection and more flexibility.
- A “delete profile” button has been added:
  - “Delete from GUI”
  - Selected profiles are immediately removed (only reference profiles are possible in this version)

# Simpler profile selection

Data Match matrix Match list (Qual LR) Match list (Quan LR) Matches Deconvoluted

Select Case ID

Change view CaseESX Import Sort Evids by # Sort Refs by #

Functionalities

Compare Create Report Add/Edit references **Marked profile(s)** Calculate RMP Calculate IBS RESTART

Evidence profile(s) and Reference profile(s)

ID	SampleName	MatchStatus	AMEL	D3S1358	TH01	D21S11	D18S51	D10S1248	D1S1656	D2S1338	D16S539	D22S19
#1	S3	Unknown 1	X/Y	16/18	6/7	30/31.2	14	13/16	12/15	20/23	11/9	15/17
#2	S5	ref3	X/Y	16/18	6/8	28	14/16	15/16	10/17.3	16/18	11/12	15/16
#3	S1	ref2	X	15/18	6/9.3	28/31	12/15	13/15	17/17.3	18/23	12/9	16
#4	S2	ref1	X	16/17	6/8	30.2/31.2	12/14	13/16	16.3/17.3	17/18	11/13	16
#5	S4	mixture	X	15/16/17/18	6/8/9.3	28/30.2/31/31.2	12/14/15	13/15/16	16.3/17/17.3	17/18/23	11/12/13/9	16
#6	S6	mixture	X/Y	14/15/16/18	6/8/9.3	28/30/31.2	14/16/17/20	14/15/16	10/13/16.3/17.3	16/18/26	10/11/12	15/16

  

ID	SampleName	AMEL	D3S1358	TH01	D21S11	D18S51	D10S1248	D1S1656	D2S1338	D16S539	D22S19
#1	ref1	X/X	16/17	6/8	30.2/31.2	12/14	13/16	16.3/17.3	17/18	11/13	16/16
#2	ref2	X/X	15/18	6/9.3	28/31	12/15	13/15	17/17.3	18/23	9/12	16/16
#3	ref3	X/Y	16/18	6/8	28/28	14/16	15/16	10/17.3	16/18	11/12	15/16
#4	Unknown 1	X/Y	16/18	6/7	30/31.2	14/14	13/16	12/15	20/23	9/11	15/17

Functionalities on selected data

Data selection

Evidence(s) Reference(s)

S5  ref1

S1  ref2

S2

Functionalities

View data

Deconvolve

Open in EuroForMix

Delete from GUI

File export

Store evidence(s)

Store reference(s)

Export peak heights

# Advanced options

Maximum contributors in QuaLR (LRmix)	4
Maximum contributors in QuanLR (EFM)	3
Number of randoms in optimizer	2
Start with one contributor when estimating contrs	<input checked="" type="checkbox"/>
Compare single sources	<input checked="" type="checkbox"/>
Use SNP module	<input type="checkbox"/>

Save

- Also single source profiles can be compared using LR (not only “Mixture”)
- Dedicated SNP-module
  - All evidence profiles are treated as “Mixture”
  - All assumed to be 3-person mixtures (“the rule of three”)

# Other updates

- Added backward compatibility
  - Earlier CaseSolver projects can now be used in this version.
- Added interactivity for the MatchNetwork
  - Uses the plotly package