Export from GeneMapper ID-X & subsequent import into DNAxs/EuroForMix or Casesolver

1. **GeneMapper ID-X:**

- Check Samples and Genotypes Tabs

- If already available, choose Table Setting for DNAxs export or choose New… and create a corresponding template

- To check the setting of a table setting template go to Main Menu => Tools => Table Setting Editor or Shortcut (ctrl+T)

- Adapt Table Settings for Genotypes Tab to input format of various software tools (minimum <u>4 columns</u>): <u>Sample name, marker, allele 1, height 1,</u> allele 2, height 2, […] More details: Manual DNAxs 2.0, page 55, Sample Name Pattern, general file format description

- Main Menu => File => Export Table (= current view) OR Export Combined Table (combined table of samples and genotypes tab)

2.   Import into DNAxs:

Place GeneMapper export table (.txt or csv) in case folder within DNAxs

- In DNAxs import traces with either MUI Austria or INPS Lyon selected as 'sample pattern name' (for provided template including replicates) OR
- create a new 'sample pattern name' customized to your lab's sample ID method for import of you own Gene Mapper data

3.   Import to EuroformMix:

- Copy&paste relevant evidence profiles into a new text file to only include those into EuroForMix and any subsequent LR calculations (better overview, if not all evidence profiles are imported at once, but it is possible)

4.   Import to Casesolver:

- Delete allelic ladder, positive and negative profiles from Gene Mapper Textfile, then place text file in appropriate case folder
- Double-check: File => 'Set Working directory' (Fig. 1) AND Setup => 'set path with CASE folders' (Fig. 2) both include the same path (only then will you be able to see the import button)
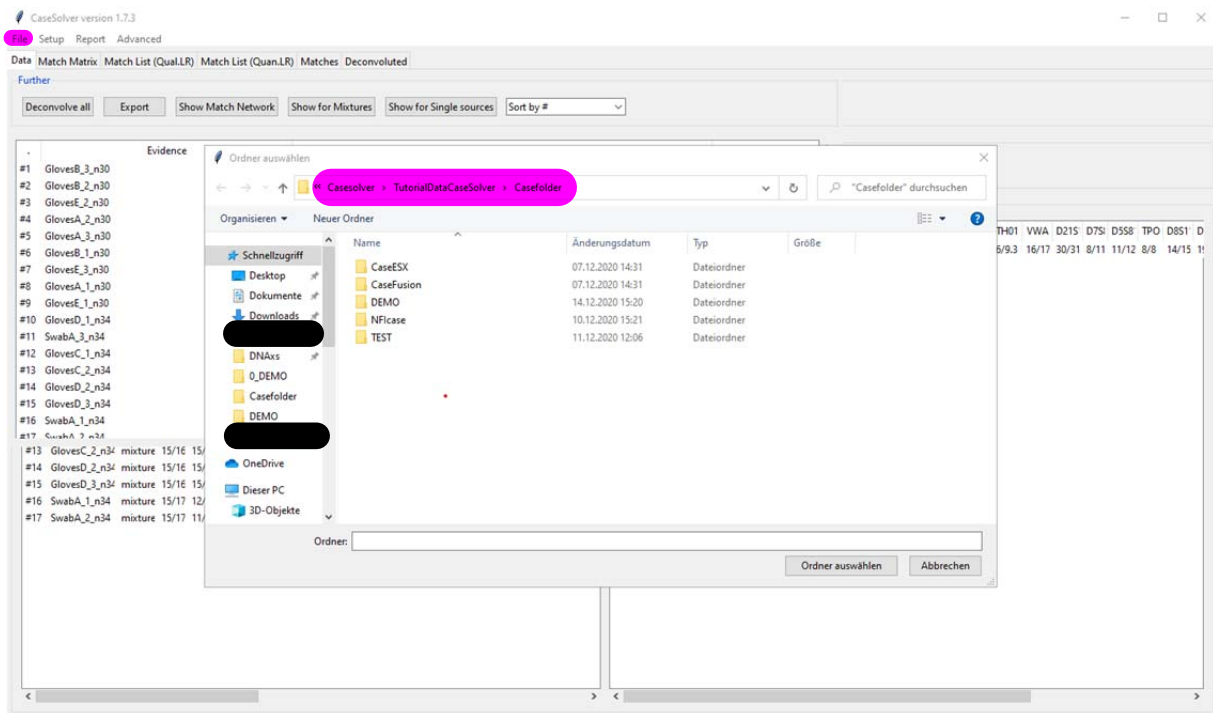
14.12.2020, T. Gross

Figure 1: In Casesolver main menu 'File' => 'Set Working directory'
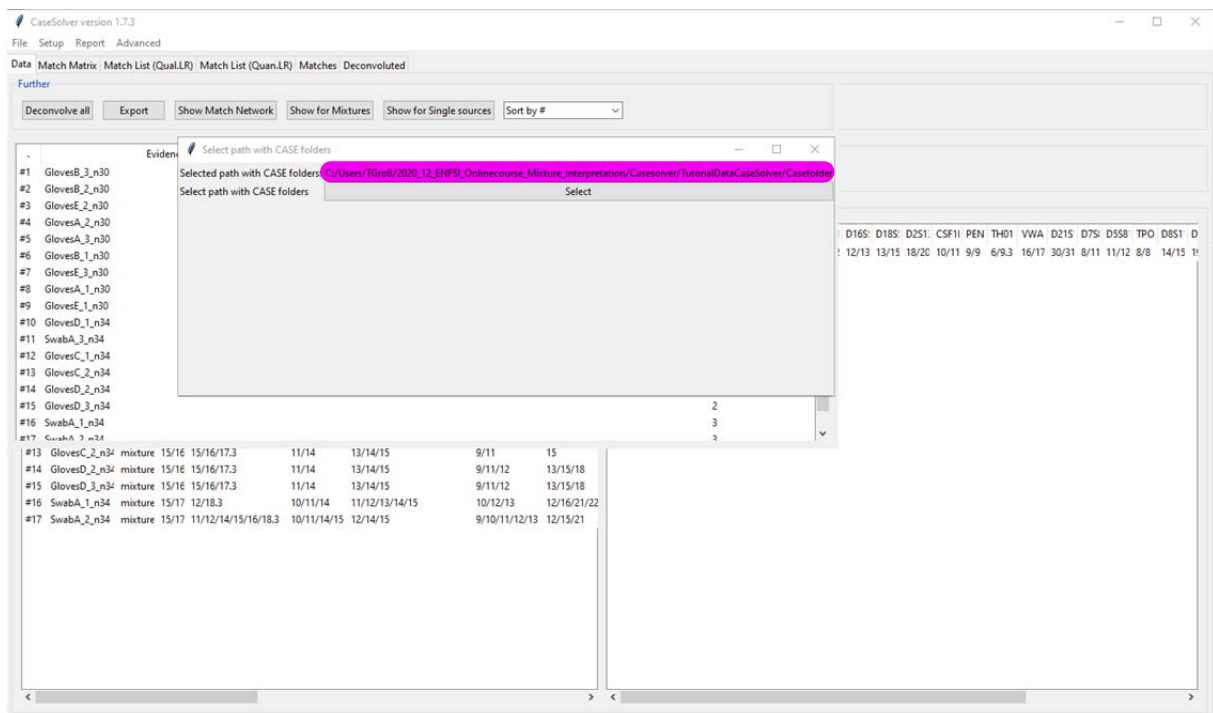
Figure 2: In Casesolver, Main Menu 'Setup' => 'set path with CASE folders'

File Edit Analysis View Tools Admin Help

Table Setting: | DNAxs | ▾ |

Samples | Analysis Summary | Genotypes

	Status	Sample Name	Sample Type	Analysis Method	Panel	Size Standard
1		GlovesA_1_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
2		GlovesA_2_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
3		GlovesA_3_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
4		GlovesB_1_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
5		GlovesB_2_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
6		GlovesB_3_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
7		GlovesC_1_n34	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
8		GlovesC_2_n34	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
9		GlovesD_1_n34	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
10		GlovesD_2_n34	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
11		GlovesD_3_n34	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
12		GlovesE_1_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
13		GlovesE_2_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
14		GlovesE_3_n30	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
15		SwabA_1_n34	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
16		SwabA_2_n34	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
17		SwabA_3_n34	Sample	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
18		Negativecontrol_1_n34	Negative Control	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
19		NGMSELadder_1_n0	Allelic Ladder	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
20		NGMSE_Ladder_1_n0	Allelic Ladder	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
21		PositiveDNA007NGM-SE_1_n30	Positive Control	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460
22		PositiveDNA007NGM-SE_2_n30	Positive Control	3500_NGM_SE_2500_50bis100rfu	NGMSElect_panel_v1X	LIZ600_60-460

Project
106A

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Progress Status ...

Stop

File   Edit   Analysis   View   Tools   Admin   Help

Table Setting: DNAxs

Panels
NGMS

Samples   Analysis Summary   **Genotypes**

	Sample Name	Marker	Allele 1	Allele 2	Allele 3	Allele 4	Allele 5	Allele 6	Allele 7	Allele 8	Allele 9	Allele 10	Height 1	Height 2	Height 3	Height 4	Height 5	Height 6	Height 7	Height 8	Height 9	Height 10
1	GlovesA_1_n30	D10S1248	13	14	15								11580	1160	10586							
2	GlovesA_1_n30	vWA	15	17									6184	5139								
3	GlovesA_1_n30	D16S539	9	11	12								6552	206	3648							
4	GlovesA_1_n30	D2S1338	17	18	20	24							263	3795	3043	102						
5	GlovesA_1_n30	AMEL	X	Y									31944	238								
6	GlovesA_1_n30	D8S1179	13	14									21042	608								
7	GlovesA_1_n30	D21S11	30	30.2	31.2								8191	8023	234							
8	GlovesA_1_n30	D18S51	13	15									3985	3507								
9	GlovesA_1_n30	D22S1045	16	17									23277	1111								
10	GlovesA_1_n30	D19S433	13	14	14.2								871	13411	13414							
11	GlovesA_1_n30	TH01	6	7	8								9284	254	8953							
12	GlovesA_1_n30	FGA	19	21	22	23							146	598	8448	7182						
13	GlovesA_1_n30	D2S441	11	14									10055	11995								
14	GlovesA_1_n30	D3S1358	15	16									8625	8220								
15	GlovesA_1_n30	D1S1656	15	16	17.3								6975	7707	191							
16	GlovesA_1_n30	D12S391	20	22	23								4100	557	3807							
17	GlovesA_1_n30	SE33	19	22.2	28.2								2393	224	3242							
18	GlovesA_2_n30	D10S1248	13	14	15								13591	1353	12621							
19	GlovesA_2_n30	vWA	15	17									5702	5135								
20	GlovesA_2_n30	D16S539	9	11	12								5599	283	4781							
21	GlovesA_2_n30	D2S1338	17	18	20								571	4658	4436							
22	GlovesA_2_n30	AMEL	X	Y									32775	505								
23	GlovesA_2_n30	D8S1179	13	14									22104	451								
24	GlovesA_2_n30	D21S11	30	30.2	32.2								8100	7589	173							
25	GlovesA_2_n30	D18S51	13	15	18								4809	4654	193							
26	GlovesA_2_n30	D22S1045	16	17									29132	1339								
27	GlovesA_2_n30	D19S433	13	14	14.2								1264	13999	14748							
28	GlovesA_2_n30	TH01	6	7	8								11683	569	11068							
29	GlovesA_2_n30	FGA	21	22	23								536	8348	8321							
30	GlovesA_2_n30	D2S441	11	14									11573	11329								
31	GlovesA_2_n30	D3S1358	15	16									9971	8873								
32	GlovesA_2_n30	D1S1656	15	16	18								7700	7206	172							
33	GlovesA_2_n30	D12S391	16	20	22	23							119	4212	718	5069						
34	GlovesA_2_n30	SE33	19	28.2	30.2								2565	2822	158							
35	GlovesA_3_n30	D10S1248	13	14	15								17789	1527	15038							
36	GlovesA_3_n30	vWA	15	17									7110	8042								
37	GlovesA_3_n30	D16S539	9	11	12								5274	572	7064							
38	GlovesA_3_n30	D2S1338	17	18	20								301	3699	3238							
39	GlovesA_3_n30	AMEL	X	Y									32787	245								

Progress Status ...

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Stop

GeneMapper® ID-X - 2020-12-11_example_DNAxs_TEG - Groß Is Logged In Database GMSERVER

File Edit Analysis View Tools Admin Help

Table Setting: DNAxs

New…

DNAxs
Export_fuer_LIMS
Mischspuren
Mischspuren_3500xl
Mischspuren_Ausdruck
Mischspuren_Ausdruck_absteigend

Samples | Analysis Summary | Genotypes

	Sample Name	Marker	Allele 1	Allele 2	Alle…	Allele 7	Allele 8	Allele 9	Allele 10	Height 1	Height 2	Height 3	Height 4	Height 5	Height 6	Height 7	Height 8	Height 9	Height 10
1	GlovesA_1_n30	D10S1248	13	14	15					11580	1160	10586							
2	GlovesA_1_n30	vWA	15	17						6184	5139								
3	GlovesA_1_n30	D16S539	9	11	12					6552	206	3648							
4	GlovesA_1_n30	D2S1338	17	18	20					263	3795	3043	102						
5	GlovesA_1_n30	AMEL	X	Y						31944	238								
6	GlovesA_1_n30	D8S1179	13	14						21042	608								
7	GlovesA_1_n30	D21S11	30	30.2	31.2					8191	8023	234							
8	GlovesA_1_n30	D18S51	13	15						3985	3507								
9	GlovesA_1_n30	D22S1045	16	17						23277	1111								
10	GlovesA_1_n30	D19S433	13	14	14.2					871	13411	13414							
11	GlovesA_1_n30	TH01	6	7	8					9284	254	8953							
12	GlovesA_1_n30	FGA	19	21	22	23				146	598	8448	7182						
13	GlovesA_1_n30	D2S441	11	14						10055	11995								
14	GlovesA_1_n30	D3S1358	15	16						8625	8220								
15	GlovesA_1_n30	D1S1656	15	16	17.3					6975	7707	191							
16	GlovesA_1_n30	D12S391	20	22	23					4100	557	3807							
17	GlovesA_1_n30	SE33	19	22.2	28.2					2393	224	3242							
18	GlovesA_2_n30	D10S1248	13	14	15					13591	1353	12621							
19	GlovesA_2_n30	vWA	15	17						5702	5135								
20	GlovesA_2_n30	D16S539	9	11	12					5599	283	4781							
21	GlovesA_2_n30	D2S1338	17	18	20					571	4658	4436							
22	GlovesA_2_n30	AMEL	X	Y						32775	505								
23	GlovesA_2_n30	D8S1179	13	14						22104	451								
24	GlovesA_2_n30	D21S11	30	30.2	32.2					8100	7589	173							
25	GlovesA_2_n30	D18S51	13	15	18					4809	4654	193							
26	GlovesA_2_n30	D22S1045	16	17						29132	1339								
27	GlovesA_2_n30	D19S433	13	14	14.2					1264	13999	14748							
28	GlovesA_2_n30	TH01	6	7	8					11683	569	11068							
29	GlovesA_2_n30	FGA	21	22	23					536	8348	8321							
30	GlovesA_2_n30	D2S441	11	14						11573	11329								
31	GlovesA_2_n30	D3S1358	15	16						9971	8873								
32	GlovesA_2_n30	D1S1656	15	16	18					7700	7206	172							
33	GlovesA_2_n30	D12S391	16	20	22	23				119	4212	718	5069						
34	GlovesA_2_n30	SE33	19	28.2	30.2					2565	2822	158							
35	GlovesA_3_n30	D10S1248	13	14	15					17789	1527	15038							
36	GlovesA_3_n30	vWA	15	17						7110	8042								
37	GlovesA_3_n30	D16S539	9	11	12					5274	572	7064							
38	GlovesA_3_n30	D2S1338	17	18	20					301	3699	3238							
39	GlovesA_3_n30	AMEL	X	Y						32787	245								

Progress Status …

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Table Setting Editor

General | Samples | **Genotypes**

Genotypes Table Settings:

Column Settings:

	Show	Column	Filtering	Content
1	☐	Sample File	Show All Records	
2	☑	Sample Name	Show All Records	
3	☐	Sample ID	Show All Records	
4	☐	Run Name	Show All Records	
5	☐	Panel	Show All Records	
6	☑	Marker	Show All Records	
7	☐	Dye	Show All Records	N/A
8	☑	Allele	Show All Records	
9	☐	Size	Show All Records	
10	☑	Height	Show All Records	
11	☐	Peak Area	Show All Records	
12	☐	Data Point	Show All Records	
13	☐	Mutation	Show All Records	
14	☐	AE Reason For Change	Show All Records	
15	☐	Marker Edit Comment (MEC)	Show All Records	
16	☐	Allele Display Overflow (ADO)	Show All Records	N/A
17	☐	Marker Edit (ME)	Show All Records	N/A
18	☐	Off-scale (OS)	Show All Records	N/A

[Show] [Hide] [Show All] [Hide All]

Font Settings:

Font: Arial

Size: 13

Sort by

Sample File

◉ Ascending
◯ Descending

Then by

Dye

◉ Ascending
◯ Descending

Then by

Marker

◉ Ascending
◯ Descending

[Factory Defaults]

Allele Settings

Number of alleles

Show number of alleles | 10

Allele position

☐ Keep Allele, Size, Height, Area, Data Point, Mutation and Comment together

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[OK] [Cancel] [Help]

GeneMapper® ID-X - 2020-12-11_example_DNAxs_TEG - Groß Is Logged In Database GMSERVER

File Edit Analysis View Tools Admin Help

Table Setting: DNAxs

File menu:
- New Project...   Ctrl+N
- Open Project...   Ctrl+O
- Save Project   Ctrl+S
- Save Project As...
- Export Table...   Ctrl+E
- Export Table for CODIS...
- Export Combined Table...
- Page Setup...
- Print...   Ctrl+P
- Print Preview...
- Project Options
- Log Out
- Exit   Alt+F4

Genotypes

		Marker	Allele 1	Allele 2	Allele 3	Allele 4	Allele 5	Allele 6	Allele 7	Allele 8	Allele 9	Allele 1	Height	Height	Height	Height	Height	Height	Height	Height
		D2S1338	17	18	20								621	6964	6872					
		AMEL	X	Y									32759	227						
		D8S1179	13	14									26130	418						
		D21S11	28	30	30.2								193	6744	12297					
		D18S51	13	15									9720	10009						
		D22S1045	16	17									25420	1269						
		D19S433	13	14	14.2								1004	14065	15237					
		TH01	6	7	8								11802	344	13907					
		FGA	21	22	23								730	9280	10251					
		D2S441	11	14									13386	11217						
		D3S1358	15	16									11666	11256						
100	GlovesB_3_n30	D1S1656	15	16	18								8352	7695	335					
101	GlovesB_3_n30	D12S391	20	22	23								6457	667	5443					
102	GlovesB_3_n30	SE33	19	28.2									6984	6019						
103	GlovesC_1_n34	D10S1248	13	14	15								5786	5731	14643					
104	GlovesC_1_n34	vWA	15	17									8653	12452						
105	GlovesC_1_n34	D16S539	9	11	12								4553	2676	5575					
106	GlovesC_1_n34	D2S1338	17	18	20	24							7148	2825	3944	2737				
107	GlovesC_1_n34	AMEL	X	Y									9719	2929						
108	GlovesC_1_n34	D8S1179	13	14									9587	13114						
109	GlovesC_1_n34	D21S11	28	30	32.2								3768	8699	6967					
110	GlovesC_1_n34	D18S51	13	15	18								4553	7494	4586					
111	GlovesC_1_n34	D22S1045	16	17									25358	9413						
112	GlovesC_1_n34	D19S433	13	14	14.2								5879	9660	10910					
113	GlovesC_1_n34	TH01	6	7									3448	3625						
114	GlovesC_1_n34	FGA	19	21	22	23							2616	4404	7988	5776				
115	GlovesC_1_n34	D2S441	11	14									13839	5654						
116	GlovesC_1_n34	D3S1358	15	16									9153	4933						
117	GlovesC_1_n34	D1S1656	15	16	17.3								2245	2703	2569					
118	GlovesC_1_n34	D12S391	16	20	22	23							4724	997	1151	1863				
119	GlovesC_1_n34	SE33	19	22.2	28.2	30.2							1068	8272	683	1906				
120	GlovesC_2_n34	D10S1248	13	14	15								2483	3351	8222					
121	GlovesC_2_n34	vWA	15	17									4826	8855						
122	GlovesC_2_n34	D16S539	9	11									2396	3430						
123	GlovesC_2_n34	D2S1338	17	18	20	24							1006	1209	2317	2338				
124	GlovesC_2_n34	AMEL	X	Y									9019	123						
125	GlovesC_2_n34	D8S1179	13	14									2502	4906						
126	GlovesC_2_n34	D21S11	30	30.2	32.2	33.2							2252	544	6885	223				
127	GlovesC_2_n34	D18S51	15										3731							

Progress Status ...

Stop

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File   Edit   Analysis   Tools   Admin   Help

Table Setting: DNAxs

		Marker	Allele 1	Allele 2	Allele 3	Allele 4	Allele 5	Allele 6	Allele 7	Allele 8	Allele 9	Allele 1	Height	Height	Height	Height	Height	Height	Height	Height	Height
		D10S124	13	14	15								11580	1160	10586						
		vWA	15	17									6184	5139							
		D16S539	9	11	12								6552	206	3648						
		D2S1338	17	18	20	24							263	3795	3043	102					
		AMEL	X	Y									31944	238							
		D8S1179	13	14									21042	608							
		D21S11	30	30.2	31.2								8191	8023	234						
		D18S51	13	15									3985	3507							
		D22S104	16	17									23277	1111							
		D19S433	13	14	14.2								871	13411	13414						
		TH01	6	7	8								9284	254	8953						
12	GlovesA_1_n3	FGA	19	21	22	23							146	598	8448	7182					
13	GlovesA_1_n3	D2S441	11	14									10055	11995							
14	GlovesA_1_n3	D3S1358	15	16									8625	8220							
15	GlovesA_1_n3	D1S1656	15	16	17.3								6975	7707	191						
16	GlovesA_1_n3	D12S391	20	22	23								4100	557	3807						
17	GlovesA_1_n3	SE33	19	22.2	28.2								2393	224	3242						
18	GlovesA_2_n3	D10S124	13	14	15								13591	1353	12621						
19	GlovesA_2_n3	vWA	15	17									5702	5135							
20	GlovesA_2_n3	D16S539	9	11	12								5599	283	4781						
21	GlovesA_2_n3	D2S1338	17	18	20								571	4658	4436						
22	GlovesA_2_n3	AMEL	X	Y									32775	505							
23	GlovesA_2_n3	D8S1179	13	14									22104	451							
24	GlovesA_2_n3	D21S11	30	30.2	32.2								8100	7589	173						
25	GlovesA_2_n3	D18S51	13	15	18								4809	4654	193						
26	GlovesA_2_n3	D22S104	16	17									29132	1339							
27	GlovesA_2_n3	D19S433	13	14	14.2								1264	13999	14748						
28	GlovesA_2_n3	TH01	6	7	8								11683	569	11068						
29	GlovesA_2_n3	FGA	21	22	23								536	8348	8321						
30	GlovesA_2_n3	D2S441	11	14									11573	11329							
31	GlovesA_2_n3	D3S1358	15	16									9971	8873							
32	GlovesA_2_n3	D1S1656	15	16	18								7700	7206	172						
33	GlovesA_2_n3	D12S391	16	20	22	23							119	4212	718	5069					
34	GlovesA_2_n3	SE33	19	28.2	30.2								2565	2822	158						
35	GlovesA_3_n3	D10S124	13	14	15								17789	1527	15038						
36	GlovesA_3_n3	vWA	15	17									7110	8042							
37	GlovesA_3_n3	D16S539	9	11	12								5274	572	7064						
38	GlovesA_3_n3	D2S1338	17	18	20								301	3699	3238						
39	GlovesA_3_n3	AMEL	X	Y									32787	245							

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Progress Status ...   Stop