# MANUAL OF SMA PLUS SOFTWARE

You can get the results in a practical way with the help of our special SMA Plus Software.

**Step 1:** After the run, before the analysis, please adjust the baseline threshold value stated below for each dye (Figure 1 -2).

### TS value should be 1500 for each dye in blood kits.

## TS value should be 1000 for each dye in NBS kits.



Figure - 1





Figure - 2

**Step 2:** Export the data files from run file to a folder as Excel 2013 format. Export > Export All Data Sheets > Excel 2003 (\*.xls) (Figure – 3).



Figure - 3



**Step 3:** Click to SMA *Plus* Software ikon, open the SMA plus software. Choose the parameter you want to analyze. For this example, SMN1 Exon 7 (Figure - 4).

Q Data Analysis (NAIP ExonS File Language About NAIP ExonS NAIP ExonS Solitot fe		- 🗗 X
	NAIP Exon5	

Figure – 4



**Step 4:** Select the daha file from the folder you saved and click the open (Cq Results files) (Figure 5 - 6).

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(	Seed the SMN1 Exon7	Report	

Figure - 5





Figure - 6



**Step 5:** The results will be automatically appeared on the screen. **Gray:** Wild-Type, **Red :** Carrier State, **Black:** Homozygous Deletion, **Yellow:** No DNA, **Blue:** Repeat. You can save all the results as pdf file by clicking **"Report"** (Figure - 7).

					S	MN1 Exo	n7					
	1	2	3	4	5	6	7	8	9	10	11	12
А	Sample 1 Normal 3.64	Sample 9 Carrier 8.95										
в	Sample 2 Normal 3.37	Sample 10 Carrier 9.28										
с	Sample 3 Normal 3.54	Sample 11 Normal 3.38										
D	Sample 4 Normal 3.60	Sample 12 Hom. Mutant -1										
E	Sample 5 Normal 3.53	Sample 13 Carrier 9.14										
F	Sample 6 Normal 3.81	Sample 14 Carrier 8.23										
G	Sample 7 Normal 3.32	Sample 15 Carrier 8.36										
н	Sample 8 No DNA -2	Sample 16 Carrier 10.40										
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Figure - 7



**Step 6:** Choose the other parameter you want to analyze. For this example NAIP Exon 5. Repeat the steps (step 1-5) in the previous parameter analysis and than continue step 6 and the following figures (Figures 8 - 9 - 10).

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Figure - 8



Q Data Analysis [NAIP Exon5]				- 0
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	SMA Run File-129_28062019 - Quantification Cq Results	28.06.2019 14:54	Microsoft Office E	
Kesimier	SMA Run File-130_01072019 - Quantification Cq Results	01.07.2019 16:45	Microsoft Office E	
Videolar	SMN1 EXON8 Run File-1_19072019 - Quantification Cq Results	19.07.2019 10:39	Microsoft Office E	
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Figure - 9



NAIP Exon5													
	1	2	3	4	5	6	7	8	9	10	11	12	
A	Sample 1 Normal 3.03	Sample 9 Carrier 7.66											
в	Sample 2 Normal 3.00	Sample 10 Carrier 7.57											
с	Sample 3 Normal 2.78	Sample 11 Normal 2.95											
D	Sample 4 Normal 2.81	Sample 12 Hom. Mutant -1											
E	Sample 5 Normal 2.81	Sample 13 Normal 3.09											
F	Sample 6 Normal 2.87	Sample 14 Carrier 7.77											
G	Sample 7 Normal 2.88	Sample 15 Carrier 8.15											
н	Sample 8 No DNA -2	Sample 16 Normal 3.44											

Figure - 10