

### Product Features

- ✓ Multiplex amplification of 26 markers distributed across autosomal chromosomes 21, 18, 13 as well as the sex chromosomes X and Y in a single reaction.
- ✓ Contains a segmental duplication marker, 7/X, for more accurate detection of Turner syndrome.
- ✓ Primers have been designed in accordance with European Molecular Genetics Quality Network guidelines.
- ✓ Analyzed using 5-dye capillary electrophoresis system.
- ✓ Compatible with Applied Biosystems™ 310, 3130/xl, 3500/xl and SeqStudio platforms.
- ✓ Works well with DNA extracted from blood, amniotic fluid and chorionic villus samples.
- ✓ Direct amplification using Genetek products like DNA Banking Card (DBC), DBC Blue, Amniotic Fluid Lysis Buffer (AFLB), Blood Lysis Buffer (BLB) and Chorionic Villus Lysis Buffer (CVLB).
- ✓ The AneuSure® kit comes in two boxes, providing all the necessary reagents for multiplex PCR as well as GT500 Size Standard and GTM5 Matrix Standard for genetic analysis using capillary electrophoresis.

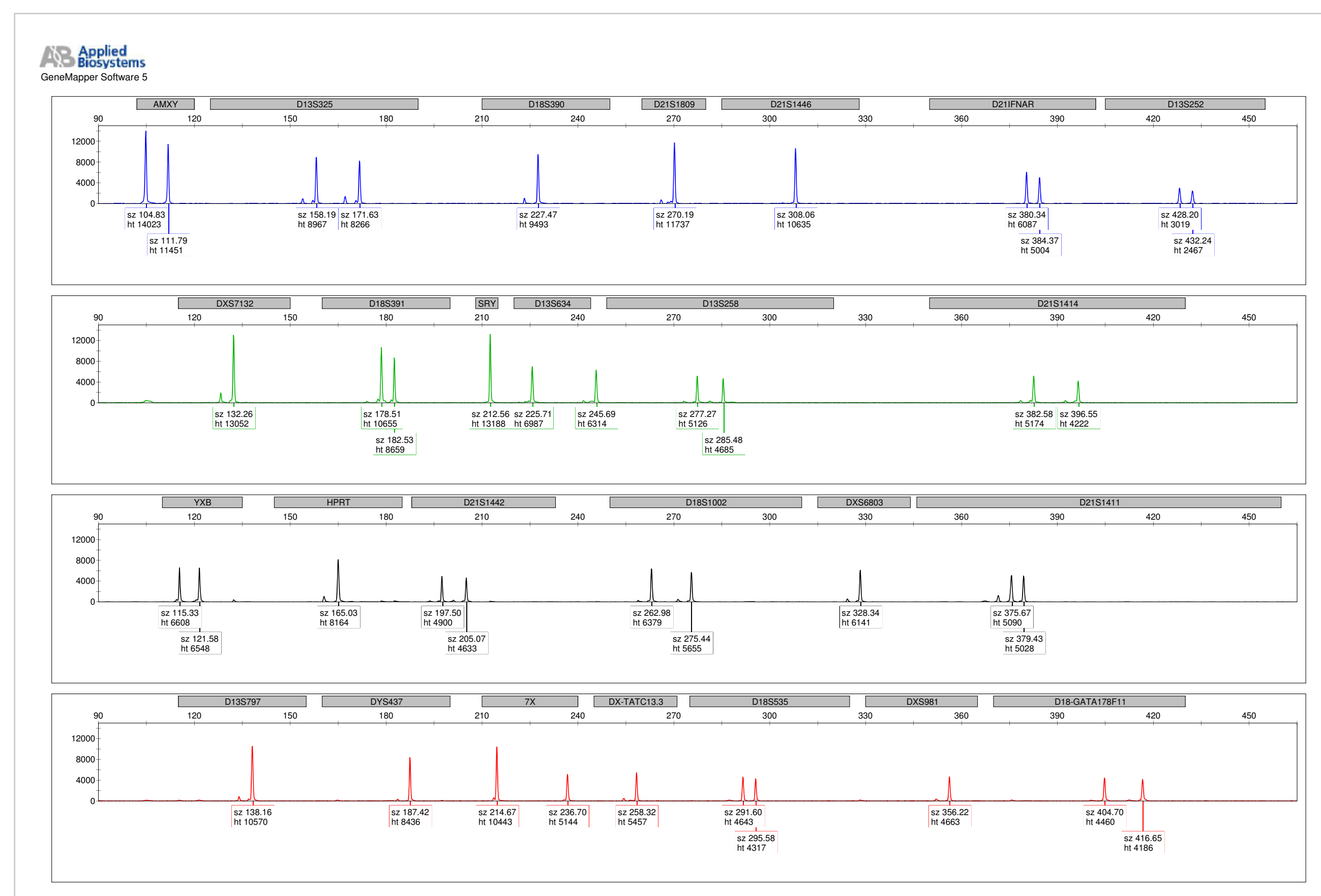


Figure 2. A profile of 1 ng of GT Quality Control DNA (GT QCDM) amplified using AneuSure® QF-PCR kit.

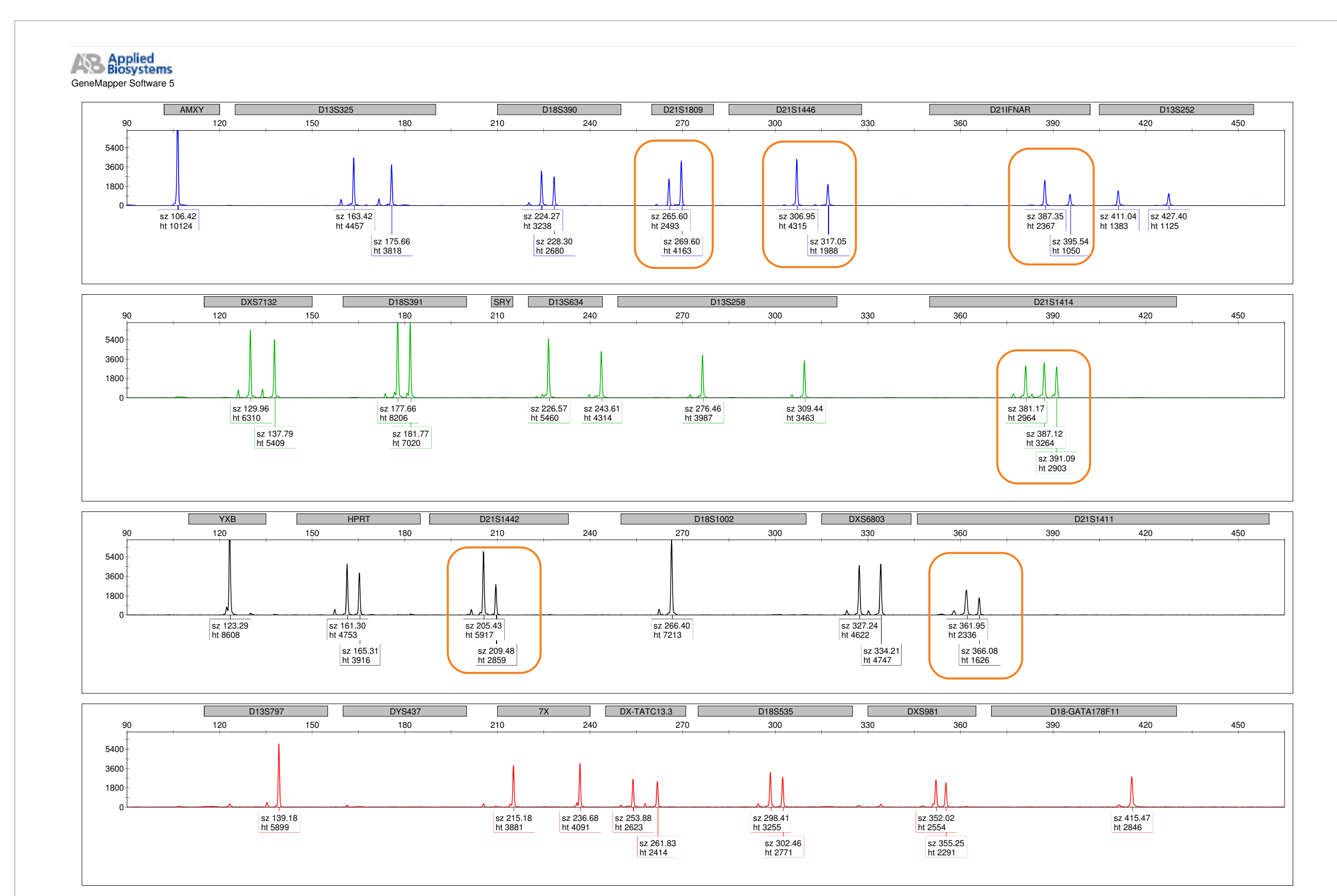


Figure 3. A profile of an individual affected with Down syndrome (+21) amplified using AneuSure® QF-PCR kit. Boxed loci are STRs on Chr. 21.

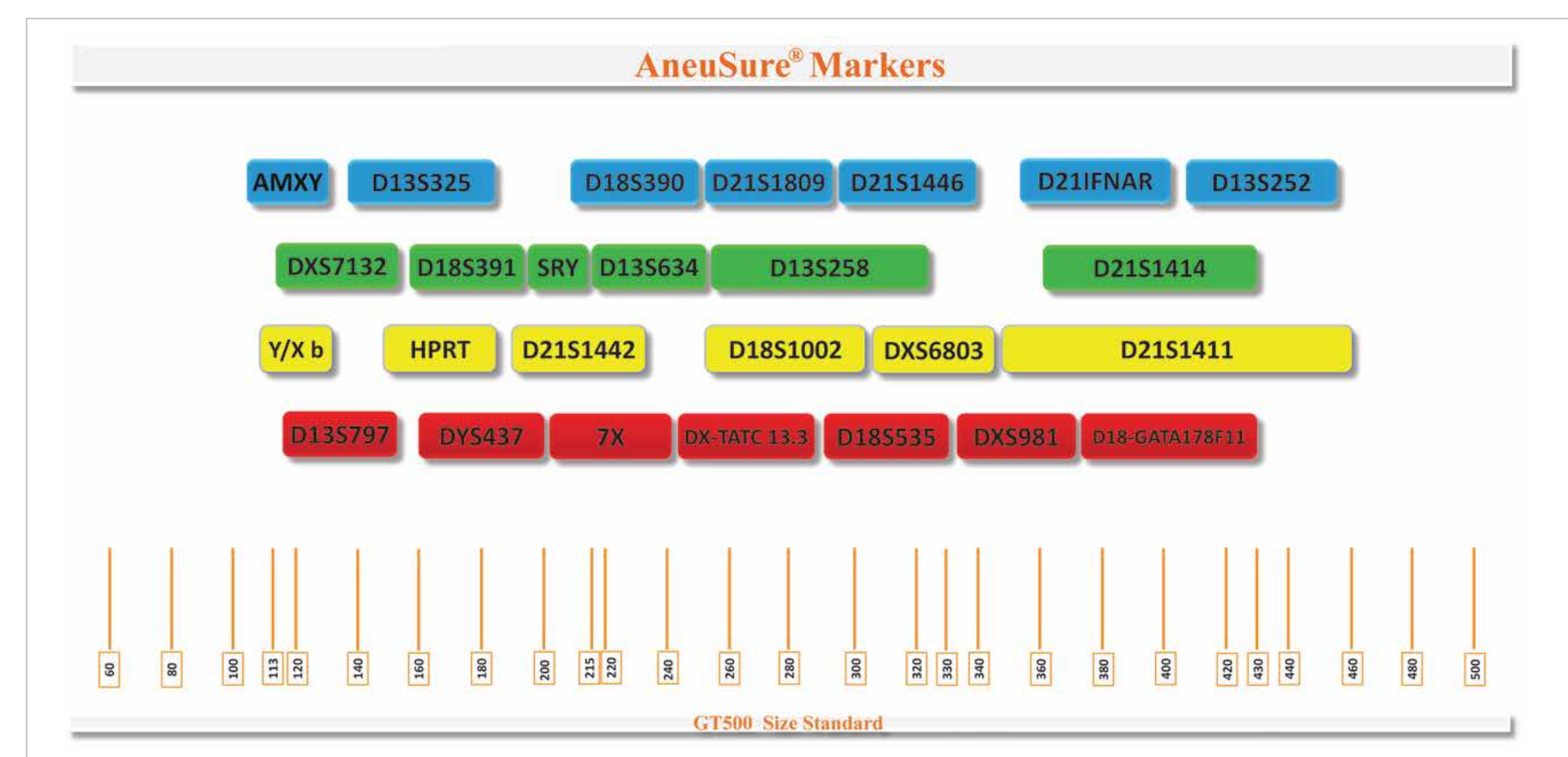
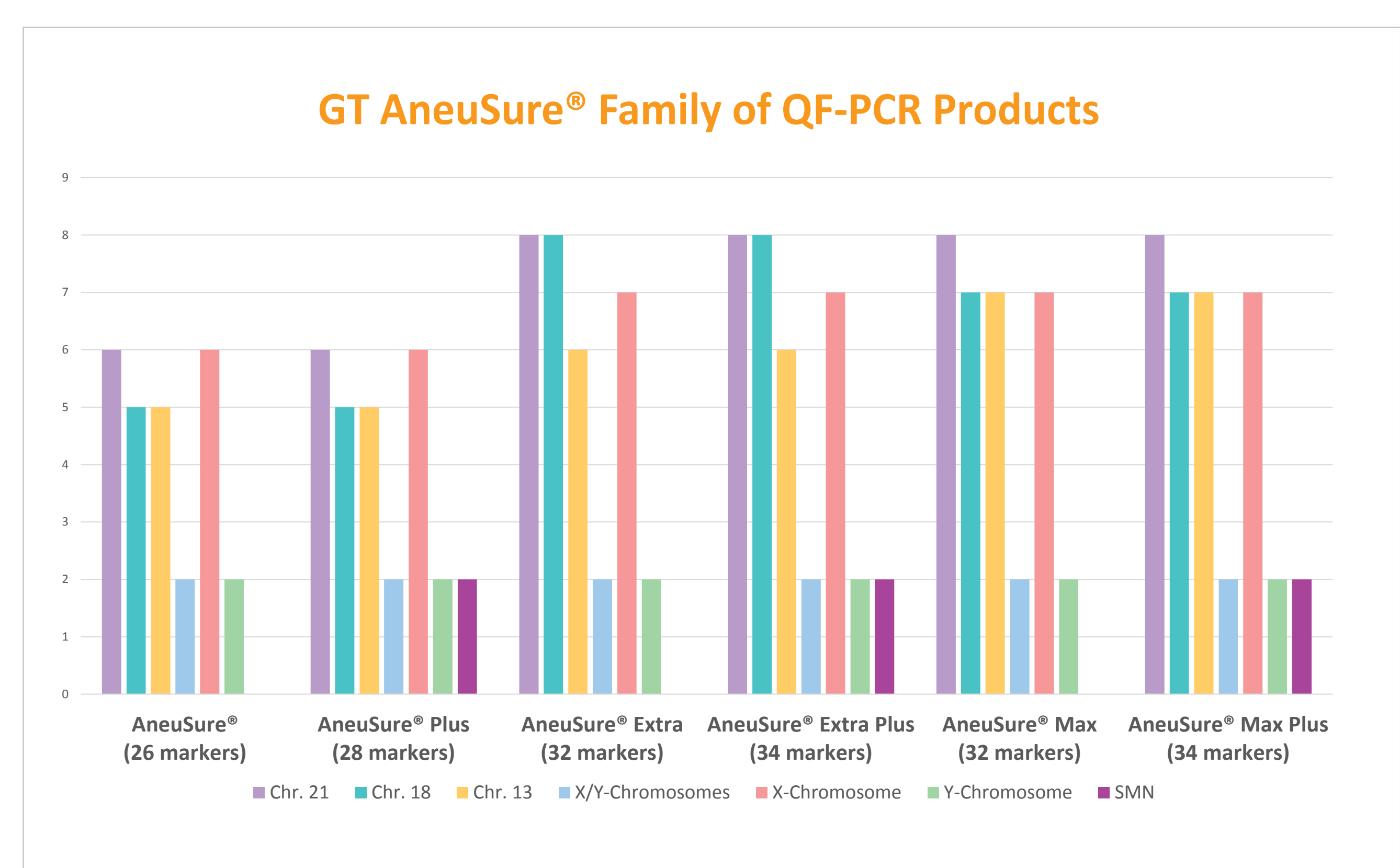


Figure 1. Map of AneuSure® markers

Table 1. Details on the 26 markers included in the AneuSure® QF-PCR kit

No.	Marker	Chromosome	Size Range	Chr. Location
1	AMXY	X,Y	102-120	Xp22.2 Yp11.2
2	D13S325	13	125-190	13q14.11
3	D18S390	18	210-250	18q22.3
4	D21S1809	21	260-280	21q22.2
5	D21S1446	21	285-328	21q22.3
6	D21F1NAR	21	350-402	21q22.1
7	D13S252	13	405-455	13q12.2
8	DXS7132	X	115-150	Xq12
9	D18S391	18	160-200	18p11.31
10	SRY	Y	208-219	Yp11.31
11	D13S634	13	220-251	13q21.33
12	D13S258	13	253-320	13q21.33
13	D21S1414	21	350-430	21q21.1
14	Y/X b	Y, X	110-135	Yp11.2 Xq21.31
15	HPRT	X	145-185	Xq26.3
16	D21S1442	21	188-233	21q21.3
17	D18S1002	18	250-310	18q11.2
18	DXS6803	X	315-344	Xq21.31
19	D21S1411	21	346-460	21q22.3
20	D13S797	13	115-155	13q33.2
21	DYS437	Y	160-200	Yq11.21
22	7X	7, X	210-243	7q34 Xq13.3
23	DX-TATC 13.3	X	245-271	Xp21.2
24	D18S535	18	275-325	18q12.3
25	DXS981	X	330-365	Xq13.1
26	D18-GATA178F11	18	370-430	18p11.32



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For further information please contact us via [info@genetek.de](mailto:info@genetek.de)

More details on Genetek products are available on our website: [www.genetek-biopharma.com](http://www.genetek-biopharma.com)