

GT HTT Detector

CAG repeat expansion detection kit for Huntington Disease

Cat No. GT-11401

Product Features

- ✓ Accurate detection of CAG repeat on the exon 1 of the HTT gene responsible for Huntington Disease.
- ✓ Easy repeat interpretation using the built-in panel.
- ✓ Works well with DNA extracted from blood, blood on DNA banking card (DBC™) or blood diluted using GT Blood Lysis buffer (BLB).
- ✓ Compatible with Applied Biosystems® 3130/3130xl and 3500/3500xl Genetic Analyze.
- ✓ The GT HTT Detector 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.
- ✓ The size standard included gives precise size for each allele during the fragment analysis using capillary electrophoresis.

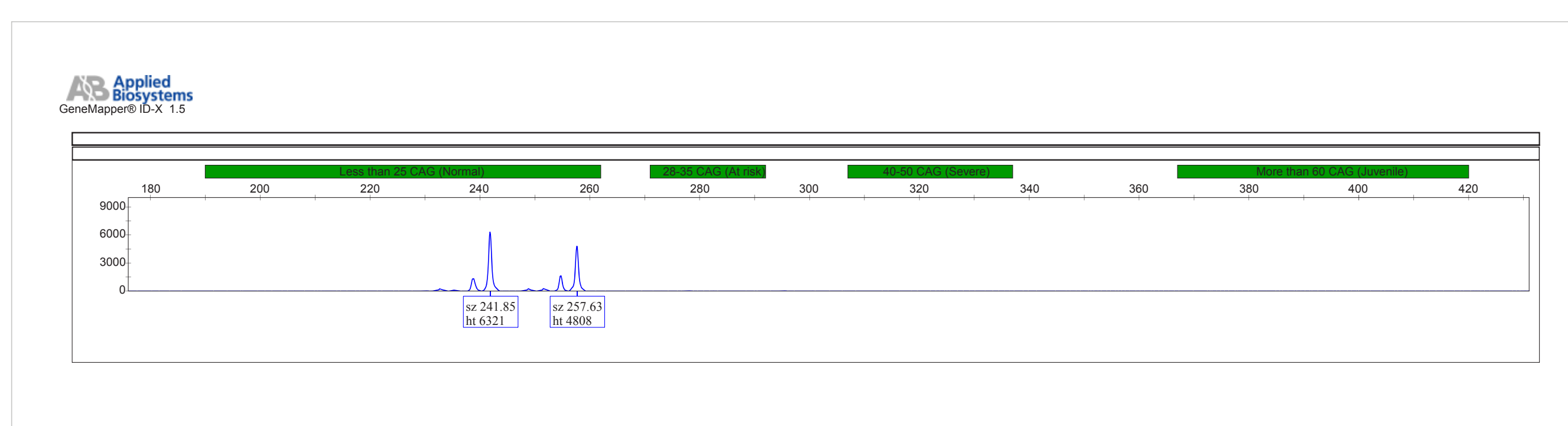


Figure 2. A profile of a heterozygote normal individual (GTQCDM) with 18 & 23 CAG repeats amplified using GT HTT Detector kit.

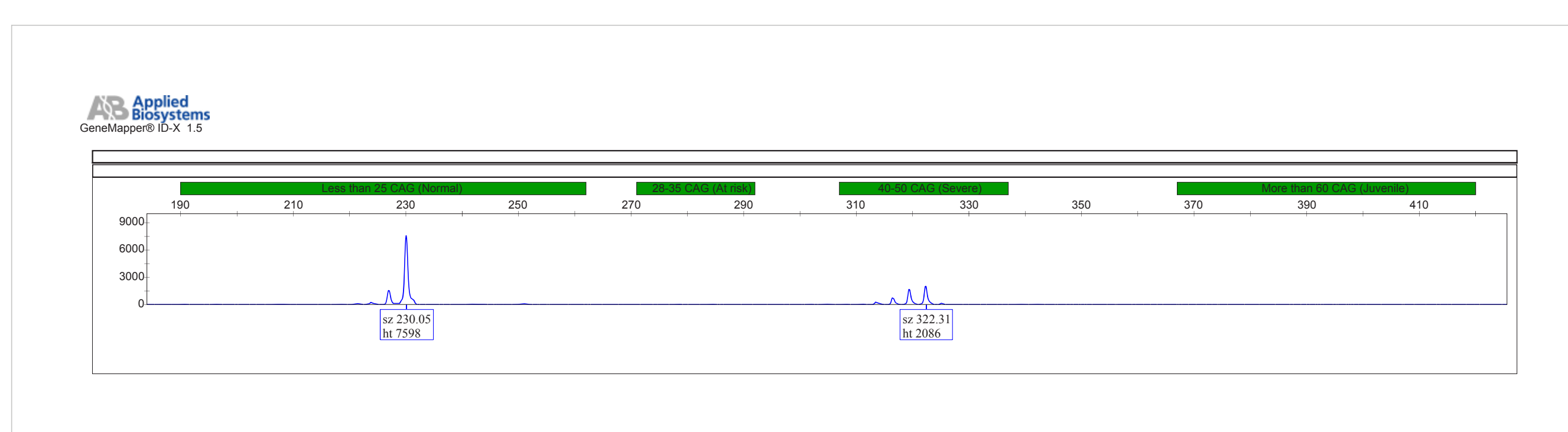


Figure 3. A profile of a heterozygote affected individual (GTQCDHD) with 14 & 45 CAG repeats detected using GT HTT Detector kit.

Table 1. Fragment sizes used for designing GT HTT Detector panel

No.	Panel	Size Range	Disease severity
1	Less than 25 CAG	(190-262)	Normal
2	28-35 CAG	(271-292)	Intermediate Or at risk
3	40-50 CAG	(307-337)	Severe
4	More than 60 CAG	(367-420)	Juvenile

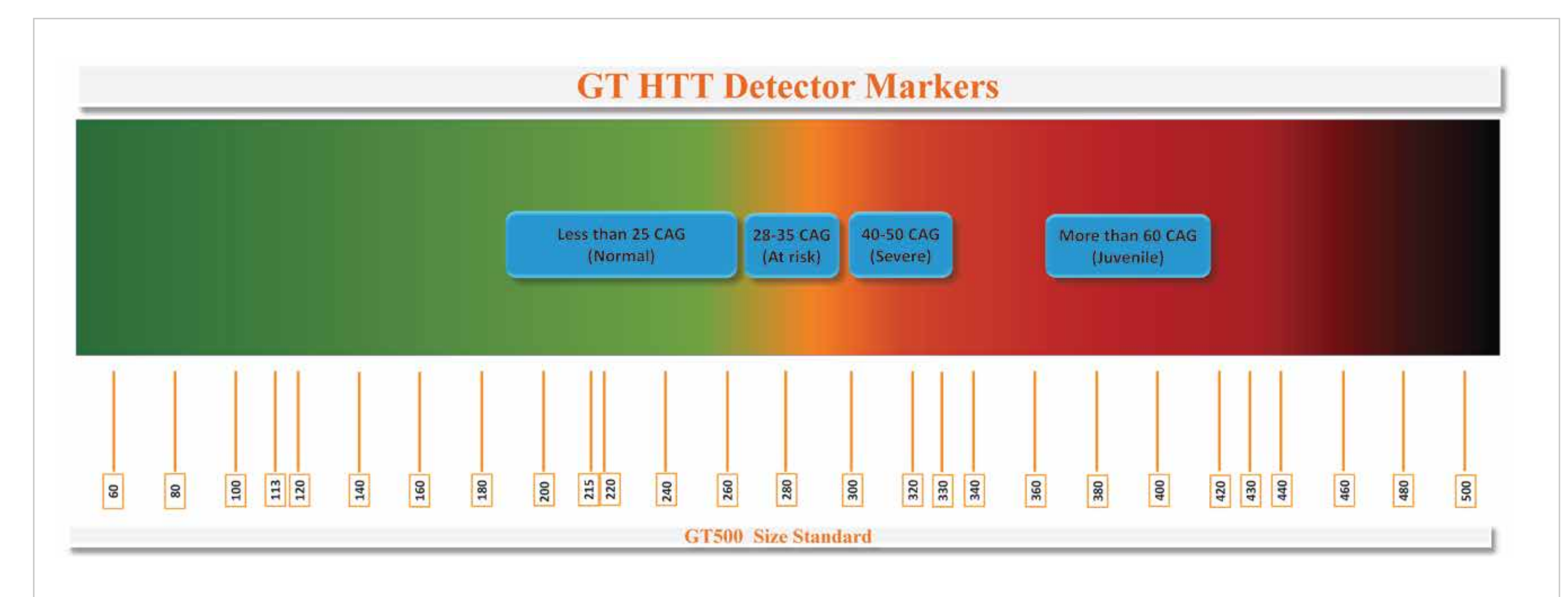


Figure 1. Diagram shows panel with different repeat numbers and also gradient from normal (dark green) to juvenile age of onset (dark red). The lower panel shows repeat numbers and severity or type of disease using the GT HTT Detector Kit analyzed with GT500 Size.



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