

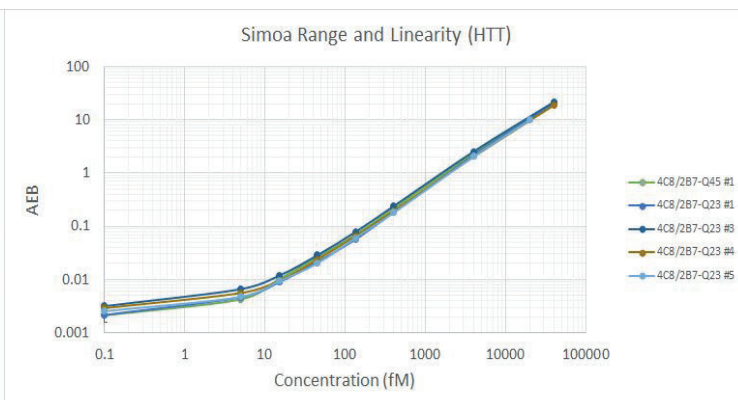
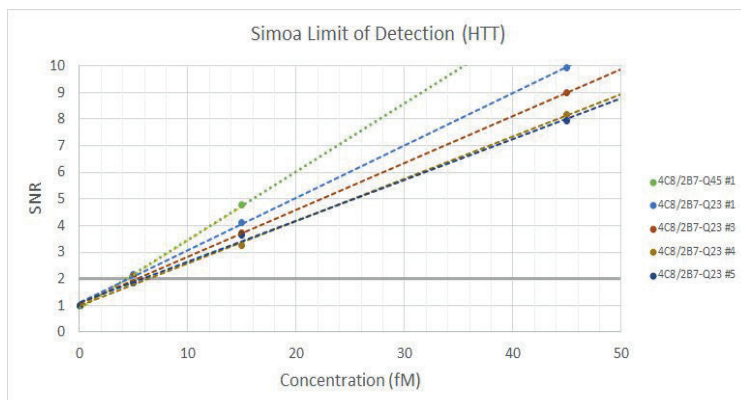
# Ultra sensitive detection of Huntington's disease biomarkers

charles river



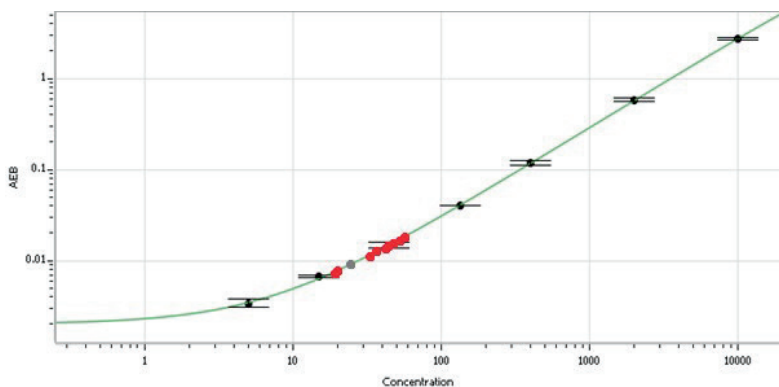
## Available assays using the Quanterix™ Simoa HD-1 platform

- Htt (MAB2166 capture antibody crosslinked to beads/biotinylated 2B7 detection antibody) in primate models (brain and CSF)
- Htt (2B7/MW1) in HD patient samples (plasma and CSF) in development
- Neurofilament-L assay in multiple species including rodents, primates and humans (CSF and serum/plasma)



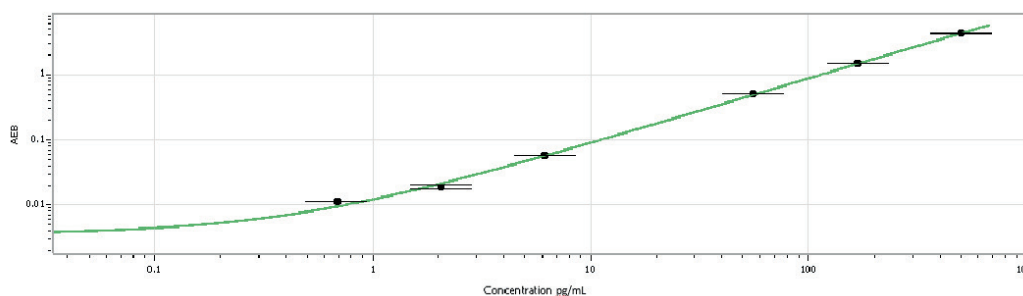
Single molecule array (Simoa) analysis of huntingtin protein (total Htt)

Limit of detection (LOD) < 10 femtomolar (100x more sensitivity than MSD® platform)



MAB2166/2B7 Htt assay – results for primate CSF samples

Average enzyme per bead (AEB) is a quantitative parameter to determine protein concentration.



Human Neurofilament-Light (NfL) assay as a marker for HD – calibration curve

For more information on the Quanterix™ assays to detect HD biomarkers, please refer to

Byrne *et al.*, *Sci. Transl. Med.* 12 Sep 2018: Vol. 10, Issue 458, eaat7108.

For more information on available assays at Charles River, please contact:

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