

BACHD Transgenic Rat Model

BACHD rats overexpress full-length human mHTT with 97 alternating CAA/CAG repeats on a bacterial artificial chromosome (BAC) that are sufficient to produce the Huntington's disease (HD) phenotype:

- HTT aggregates

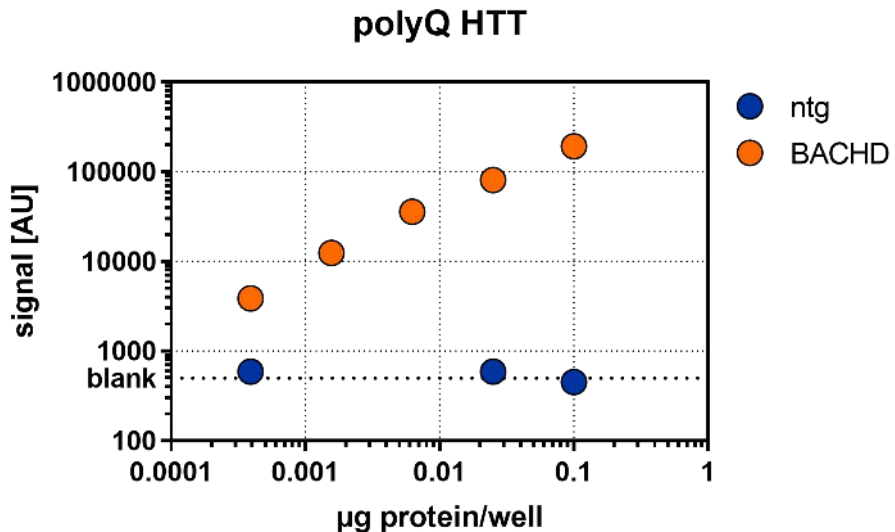


Figure 1: Quantification of polyQ HTT by sandwich immunosorbent assay using the MesoScale Discovery platform. Whole brain lysate of a 6 months old hemizygous rat and a non-transgenic littermate were used in a dilution series of 1:10, 1: 40; 1:160; 1:640 and 1:2560.

Yu-Taeger L, Petrasch-Parwez E, Osmand AP, Redensek A, Metzger S, Clemens LE, Park L, Howland D, Calaminus C, Gu X, Pichler B, Yang XW, Riess O, Nguyen HP. A novel BACHD transgenic rat exhibits characteristic neuropathological features of Huntington disease. *J Neurosci*. 2012 Oct 31;32(44):15426-38.