**Within domain variance H3K4me2**

N = 100   Bandwidth = 0.2681

**Within domain variance H3K4me3**

N = 100   Bandwidth = 3.189

**Within domain variance H3K27me3**

N = 100   Bandwidth = 0.7916

**Within domain variance H3K9me3**

N = 100   Bandwidth = 0.003096

**Within domain variance H3K36me3**

N = 100   Bandwidth = 0.3644

\[ p\text{-value} = 0.003 \]
\[ p\text{-value} = 0.001 \]

\[ p\text{-value} = 0.002 \]
\[ p\text{-value} = 0.001 \]

\[ p\text{-value} = 0.001 \]
\[ p\text{-value} = 0.001 \]

\[ p\text{-value} = 0.972 \]
\[ p\text{-value} = 0.093 \]

\[ p\text{-value} = 0.013 \]
\[ p\text{-value} = 0.015 \]