

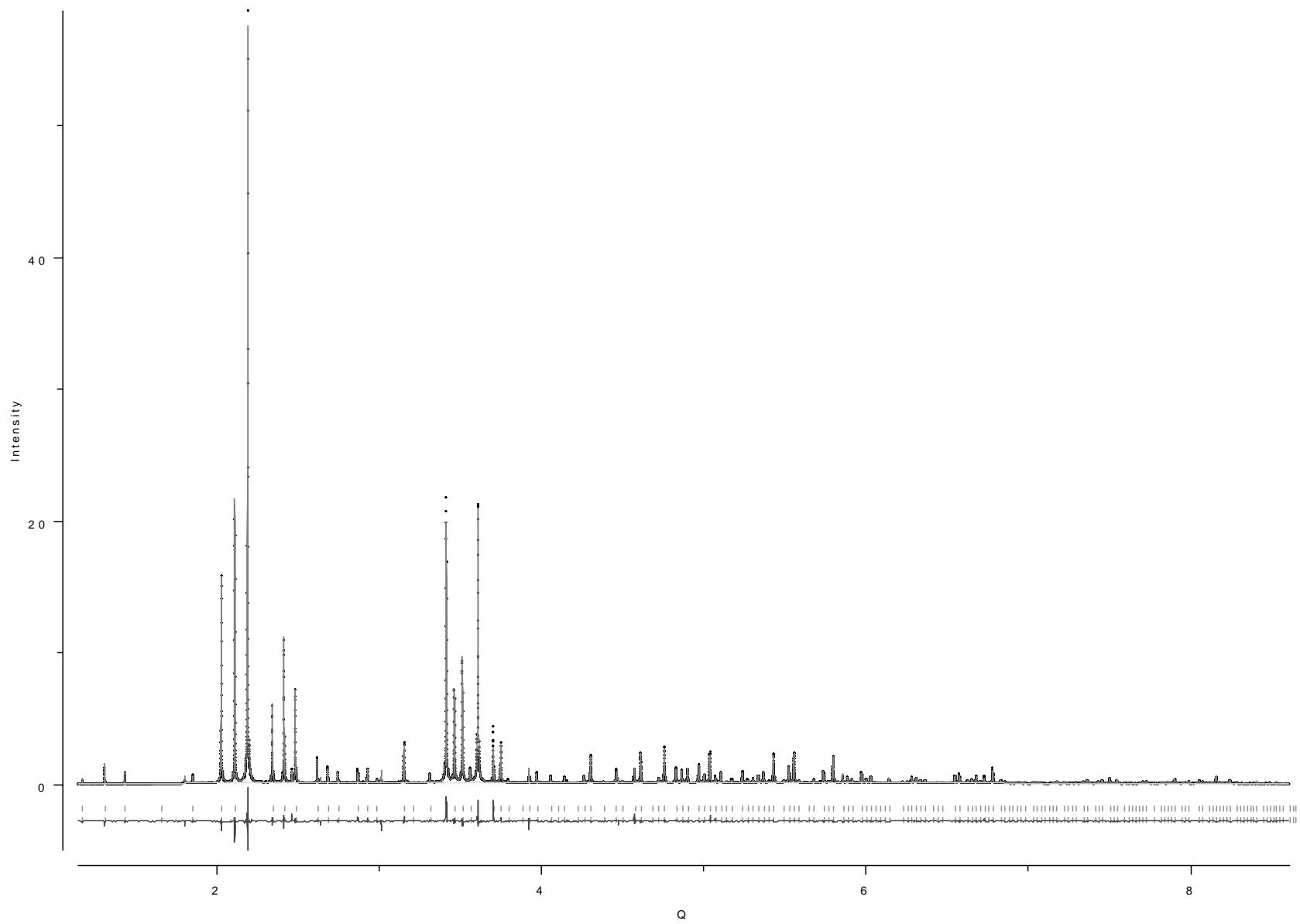
**Supplementary material for "Strategies for solving neighboring element problems:
a case study using resonant x-ray diffraction and pulsed neutron diffraction to
examine Sr₈Ga₁₆Ge₃₀", Zhang et al.**

Fits are from a combined refinement including all 5 histograms.

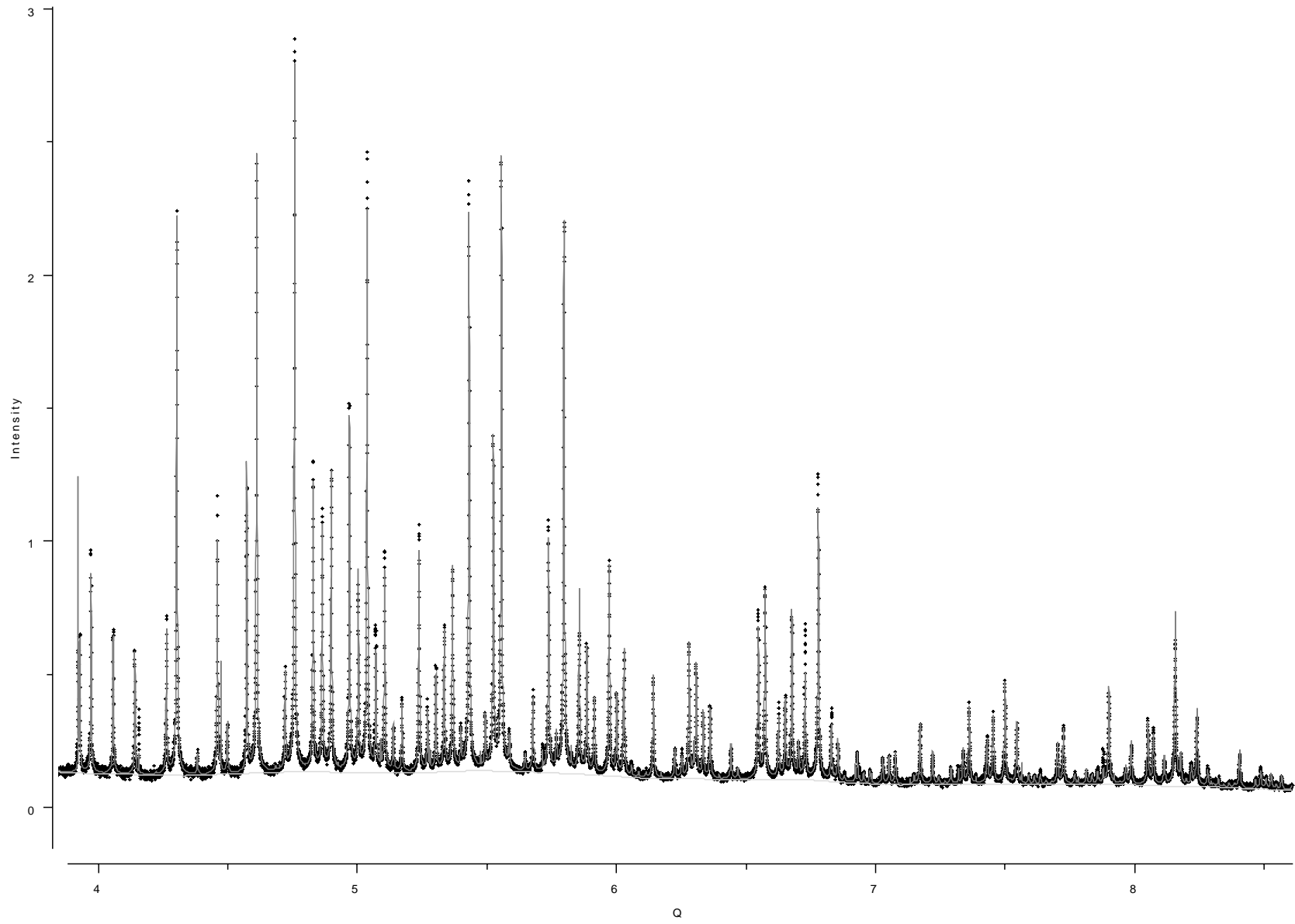
Plots are all on a Q scale for ease of comparison so the effect of changing wavelength on the patterns can be seen. For each histogram we present a plot showing the full data range and a further plot showing only the high Q data.

Histogram 1	Data 5 eV below the Ga K-edge
Histogram 2	Data 55 eV below the Ga K-edge
Histogram 3	Data 5 eV below the Ge K-edge
Histogram 4	Neutron data from the backscattering bank
Histogram 5	Neutron data from the 90 degree bank

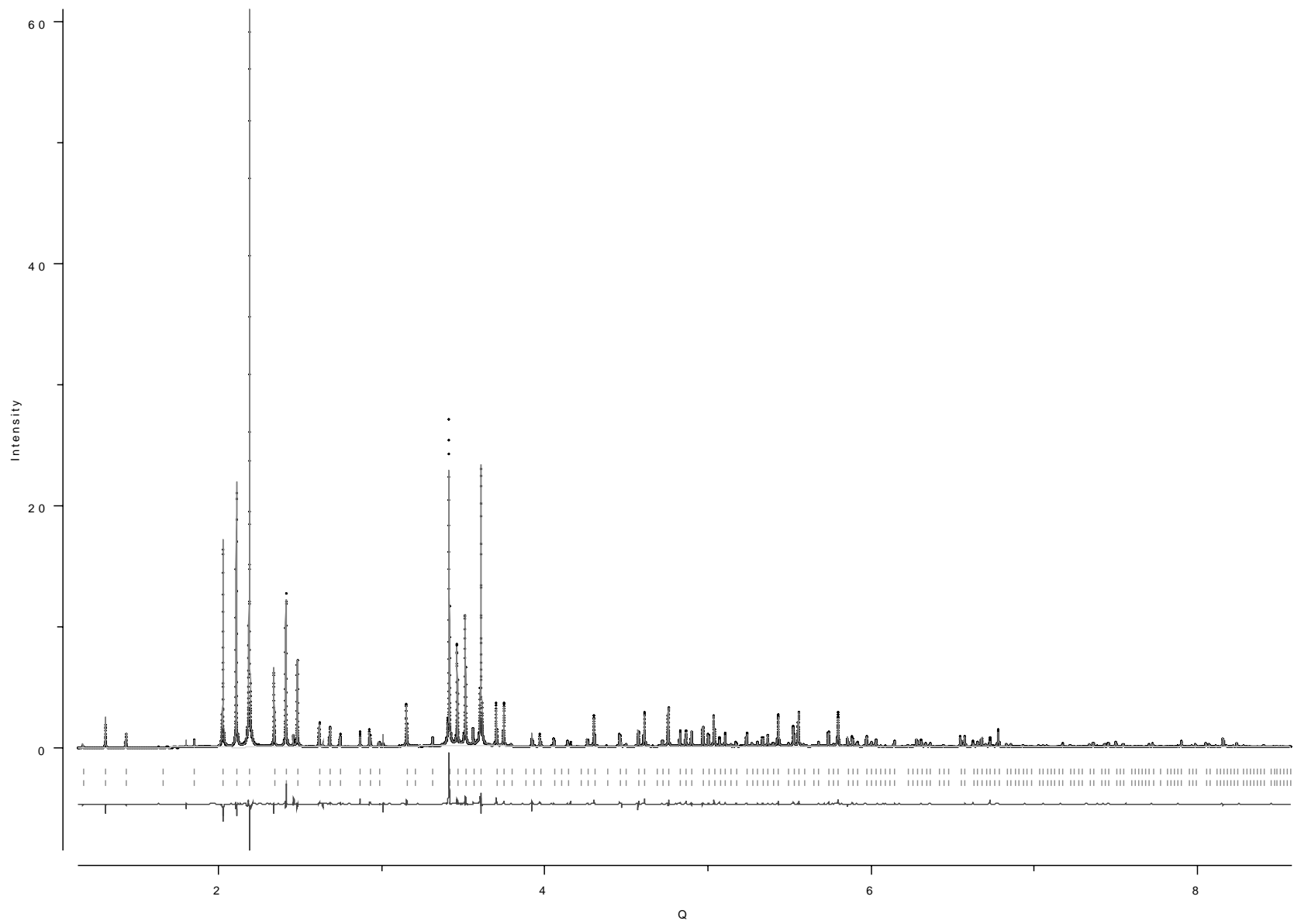
Histogram 1



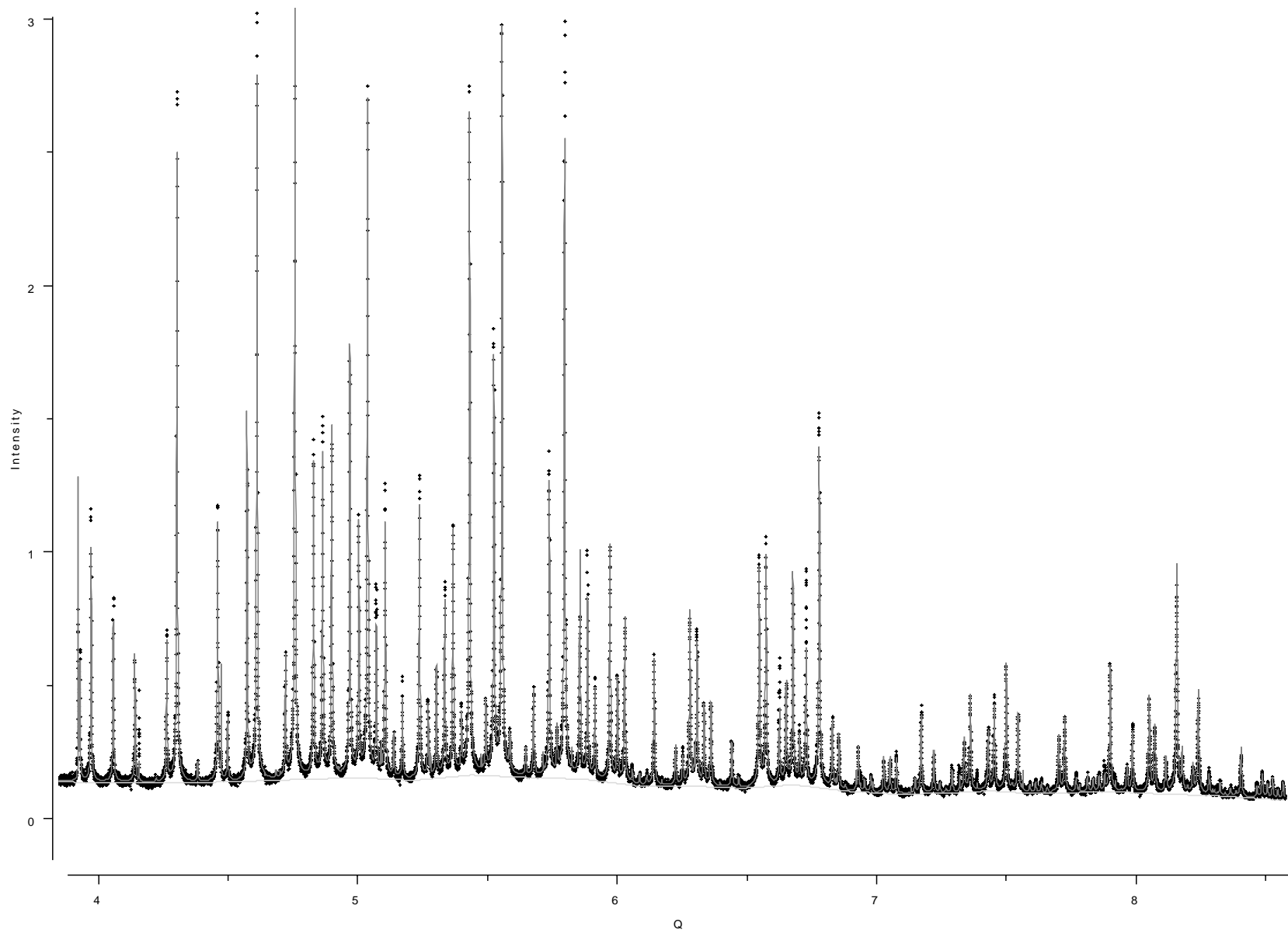
Part of Histogram 1



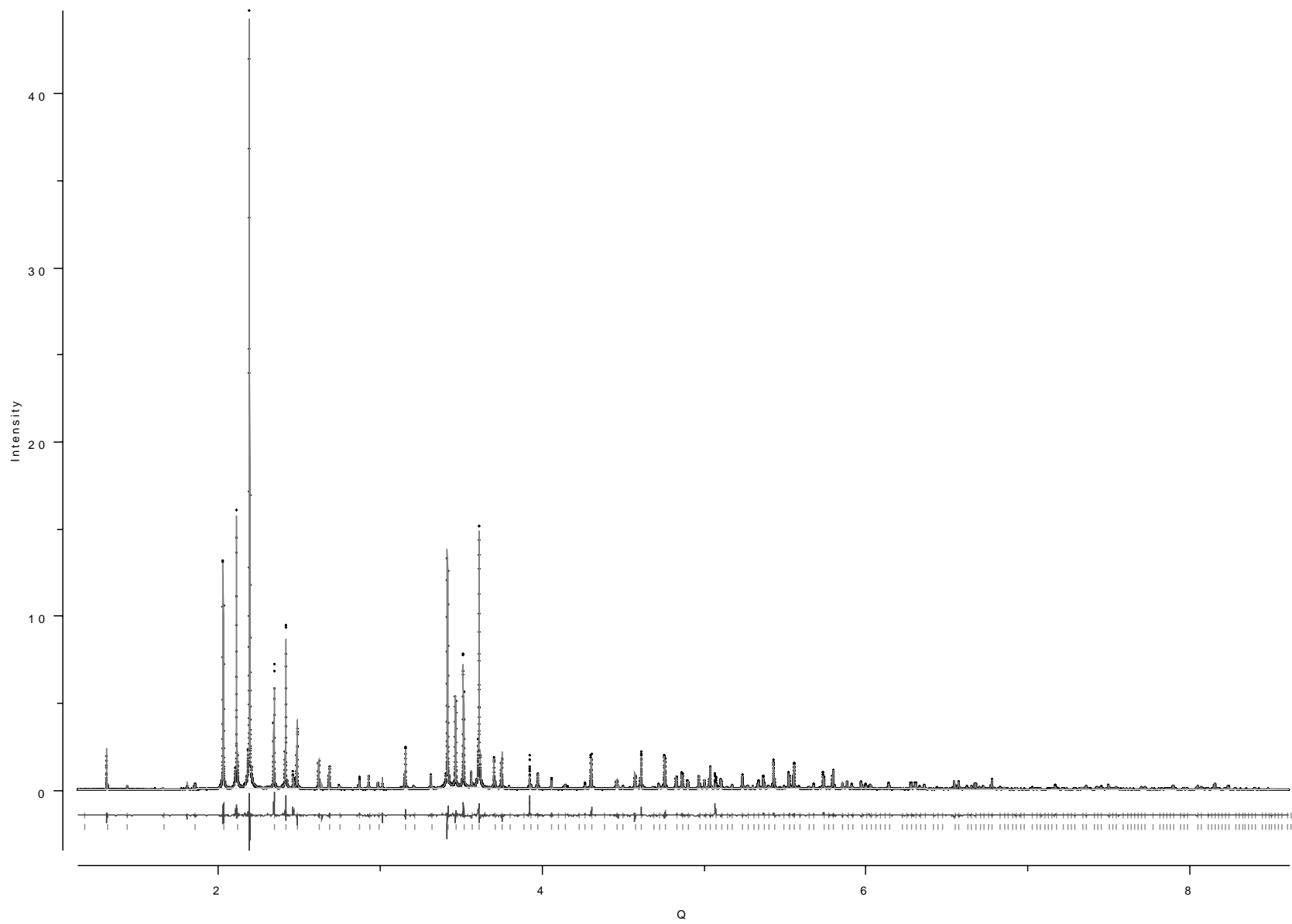
Histogram 2



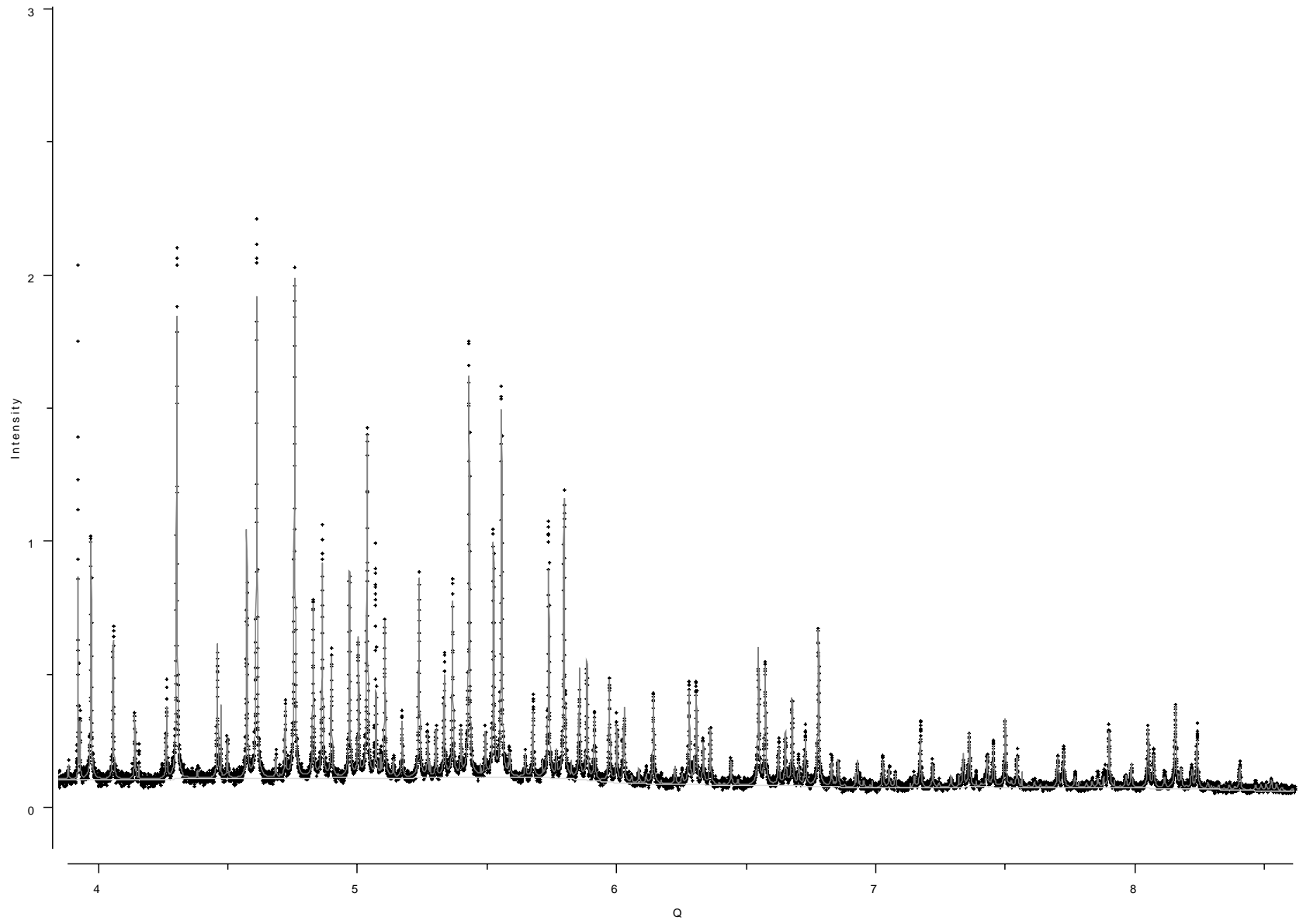
Part of histogram 2



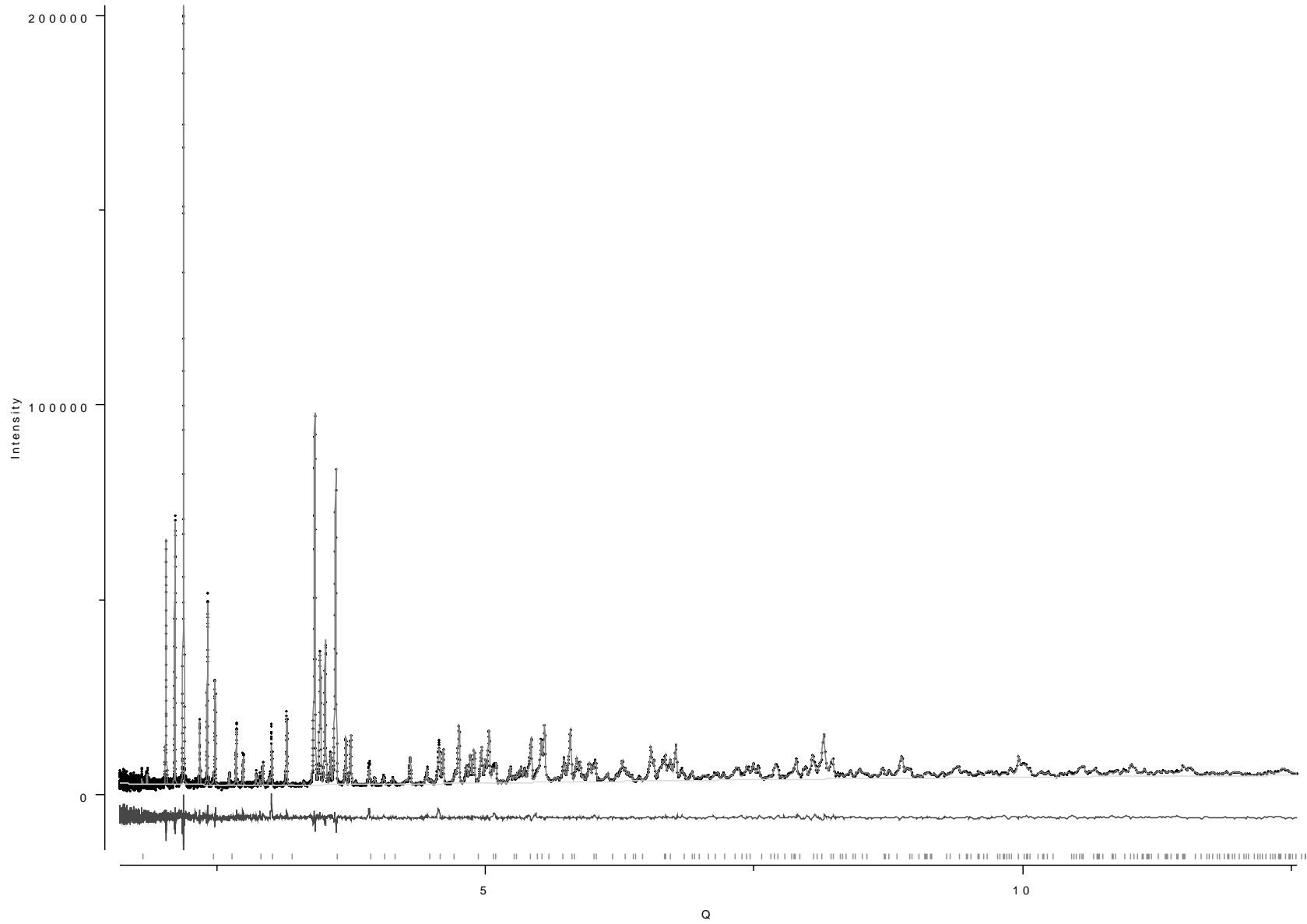
Histogram 3



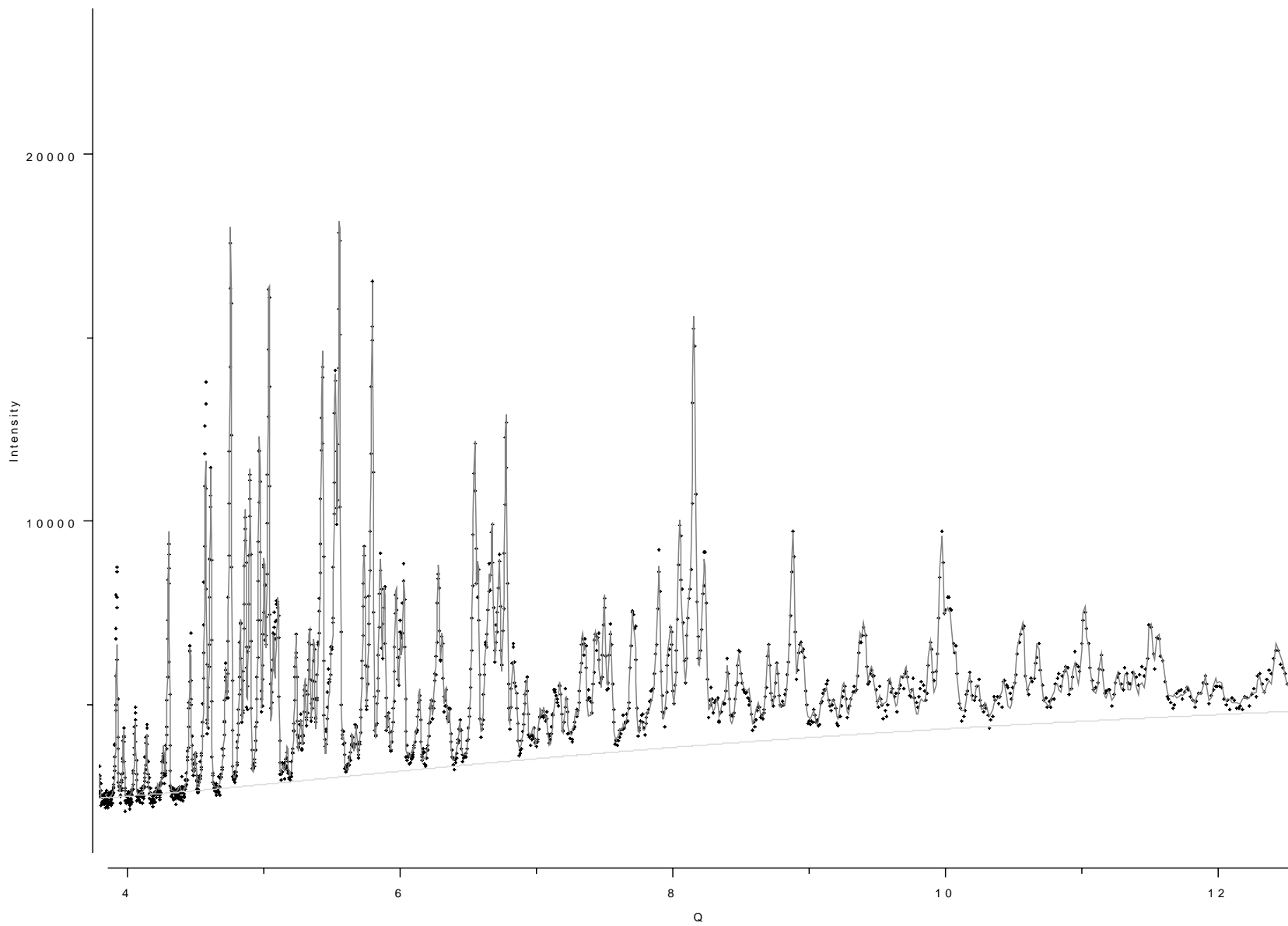
Part of histogram 3



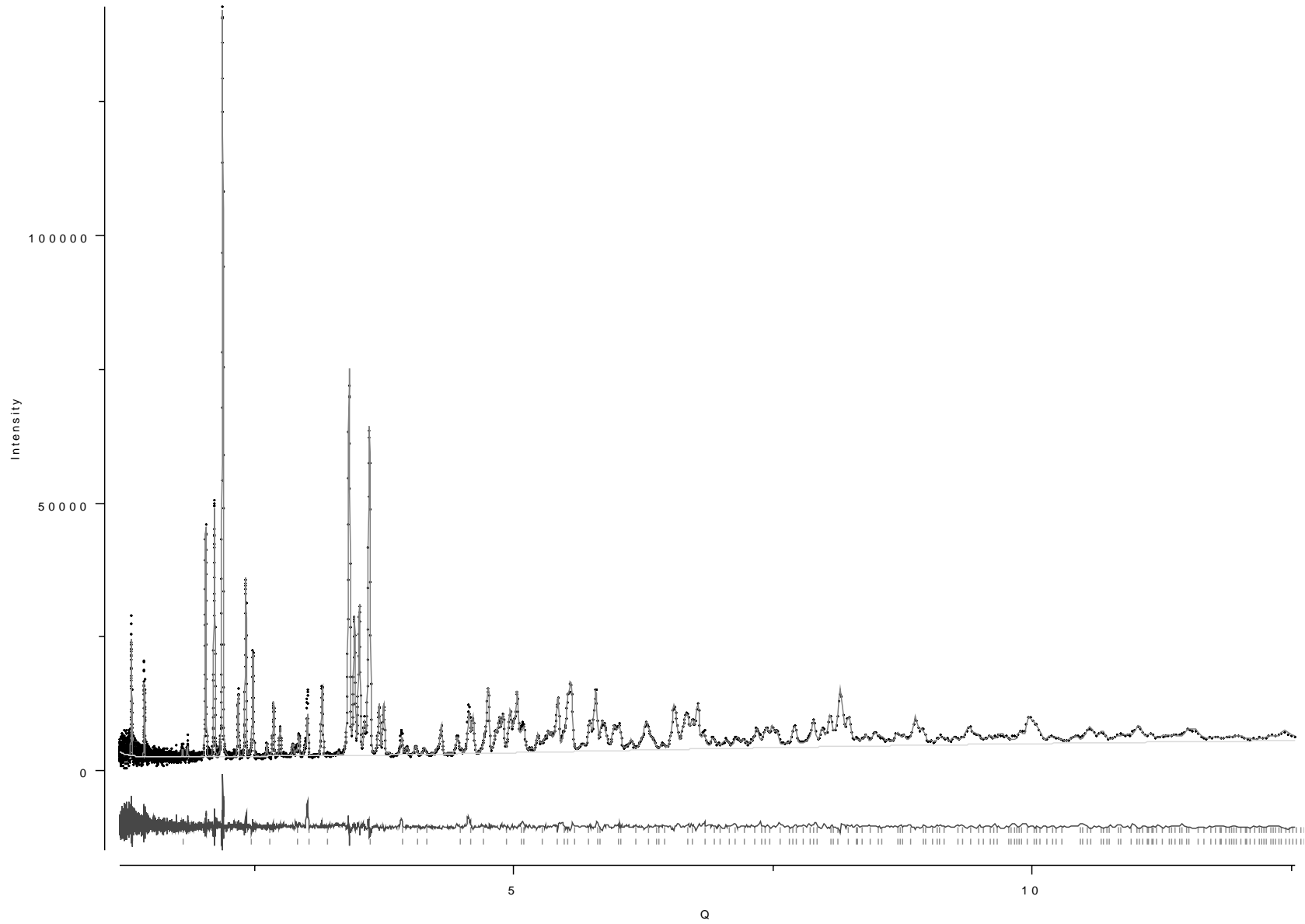
Histogram 4



Part of histogram 4



Histogram 5



Part of histogram 5

