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Supporting information for article:

X-ray scattering study of water confined in bioactive glasses: experimental and simulated Pair Distribution Function

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Small angle X-ray diffraction measurements

The Small-angle X-ray scattering (SAXS) measurements have been performed on a laboratory X-ray diffractometer (PANalyticalX'Pert PRO) using a Cu K_α radiation (λ = 1.5406 Å) and an X'Celerator detector. The SAXS data were collected using 0.02 rad Soller slits, 1/16° fixed divergence and anti-scatter slits. The X'Celerator detector was used as "scanning line detector (1D)" with 0.518° active length. Data collection was carried out in the scattering angle range 0.5–6° with a 0.0167° step over 60 min. The obtained results are shown in figure S1.

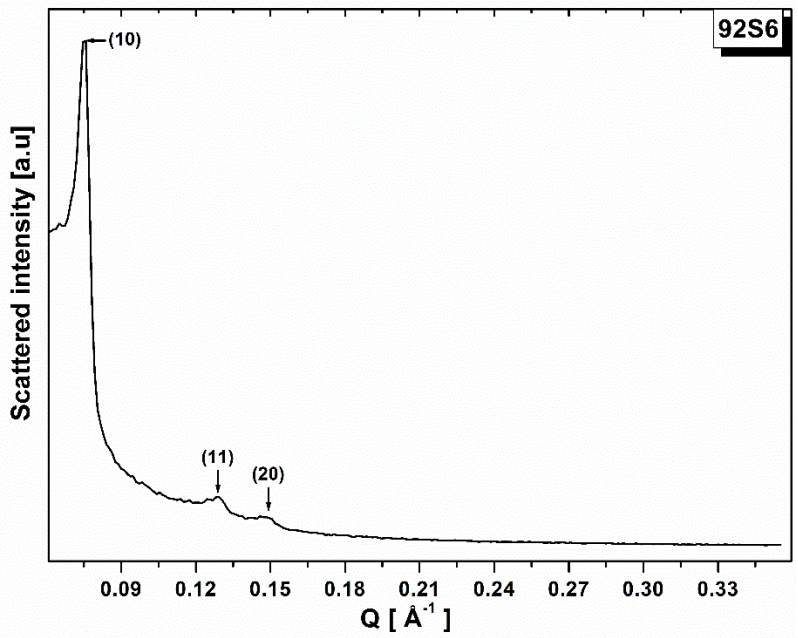

Figure S1 Small-angle X-ray scattering (SAXS) pattern of 92S6 sample. Three significant peaks appear at 0.075, 0.13, 0.15 A^{-1} corresponding to the lattice reticular distances: d[10] = 8.5 nm, d[10] = 4.9 nm and d[20] = 4.25 nm showing a well ordered hexagonal distribution of nanopores in 92S6.