Garnet megabast from sample FJ1702 (quartz-garnet gneiss from the Blaho nappe). The main inclusions in garnet are quartz, zircon, apatite, rutile exsolution lamellae and kyanite needles (drawing folded foliation within the garnet). Rare sillimanite needles occur together with small kyanite at garnet’s core (red square and enlarged image to the left).

The matrix consists of plagioclase, K-feldspar, acicular kyanite, quartz and biotite.

Raman spectra of sillimanite (black), kyanite (blue) and host garnet (orange). The spot analyses are shown as colored dots in the image above.