Supplementary Materials attached to the paper “Jet-cooled ethylene cavity ring-down spectroscopy between 5880 and 6200 cm-1” bySolène Perot, Julien Lecomte, Nicolas Suas-David, Lucile Rutkowski, Michaël Rey, Samir Kassi, Andrei V. Nikitin, Robert Georges

* SupMat1 contains the list of 320 assigned transitions of 12C2H4 recorded at 6.3 K between 5880-5935 and 6080-6200 cm-1 and 8 K between 5935-6080 cm-1.
* SupMat2 contains the fitted rotational-vibrational parameters for 17 vibrational bands of ethylene observed 5880 and 6200 cm-1.