Electronic Supplementary Material (ESI) for CrystEngComm.

Supporting Information

Quantitative estimate of cohesion forces

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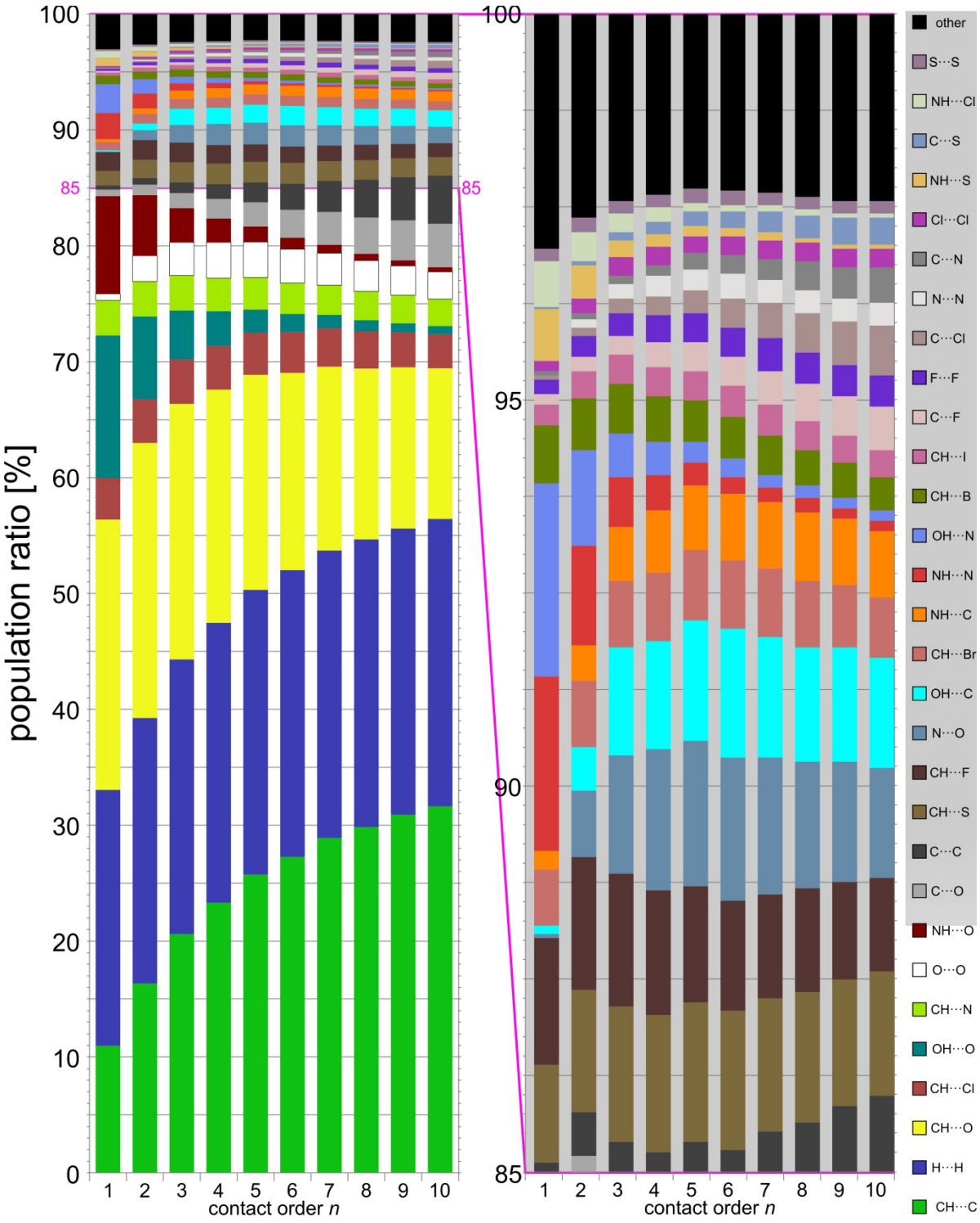

Figure S1. Expanded plot of populations of specific interaction types for ten first contact orders in molecular crystals deposited in the CSD version 5.35 — cf. Figure 3 of the main article.

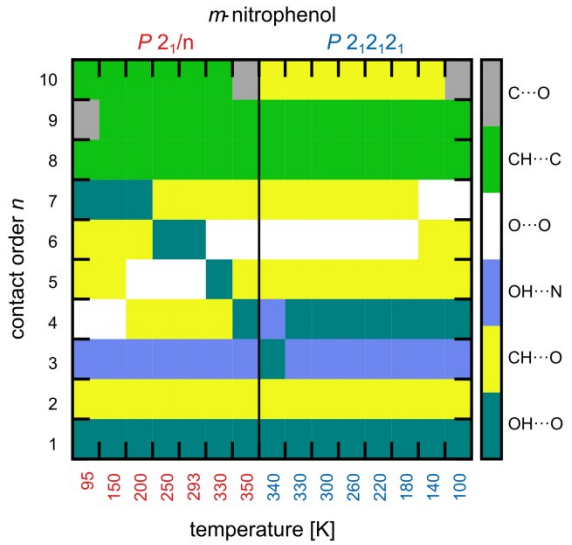

Figure S2. Types of the shortest contacts in structures of *m*-nitrophenol as function of temperature and pressure.

Common features of contact-types distributions. The most popular contacts can be classified in six groups shown in Figure S3. The contact parameters of weak interactions C···C, C···N and C···O encircled red systematically increase the population from the first to ten order, differently than those corresponding to very strong interactions OH···O, NH···O, NH···Cl. As expected, these strong contacts often form the shortest contact in crystal. The δ parameters also of interactions CH···N, CH···B and CH···F are grouped in the region marked blue decrease, but slower than that of strong interactions. The population of the δ parameters also encircled black.

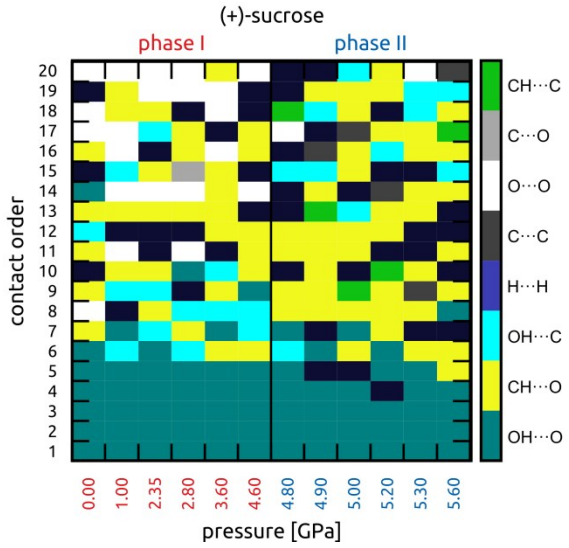

Figure S3. Extended plot of types of the shortest contacts in structures of (+)-sucrose as function of pressure.