

Table S1: Histaminergic system entities list used in the work.

Table S2: Inflammation-related entities list used in the work.

Table S3A–F: Data of moderated *t*-test (CRC, (A,B)) and *ANOVA* (LCS–HCS, C and D, CSI–CSIV, E and F) for histaminergic system (A,C,E) and inflammation (B,D,F)

Figure S1: Box–whisker plots of histaminergic system (133 mRNAs; A,C,E) and inflammation (627 mRNAs; B,D,F).

Figure S2: Profile plots of histaminergic system (133 mRNAs; A,C,E) and inflammation (627 mRNAs; B,D,F).

Figure S3: Self-organizing maps of histaminergic system (133 mRNAs; A,C,E) and inflammation (627 mRNAs; B,D,F).