

Supplementary Table 1: Summary of patient characteristics in total

|                                 |                            | CON        | CD         | UC         |
|---------------------------------|----------------------------|------------|------------|------------|
| <b>Number Patients</b>          |                            | 61         | 120        | 118        |
| <b>Number Samples</b>           |                            | 135        | 183        | 194        |
| <b>Age (Ø, range)</b>           |                            | 28 (18-44) | 39 (18-75) | 45 (18-82) |
| <b>Female [%]</b>               |                            | 68.1       | 56.3       | 45.9       |
| <b>HBI (Ø, range)</b>           |                            |            | 5.0 (0-25) |            |
| <b>Mayo c.s. (Ø, range)</b>     |                            |            |            | 2.1 (0-11) |
| <b>Therapy [%]</b>              | <i>Aminosalicylates</i>    |            | 19.6       | 41.3       |
|                                 | <i>Steroids</i>            |            | 21.2       | 37.6       |
|                                 | <i>Immunosuppressants</i>  |            | 3.2        | 1.6        |
|                                 | <i>Anti-TNF antibodies</i> |            | 37.0       | 23.8       |
|                                 | <i>Vedolizumab</i>         |            | 48.7       | 68.8       |
|                                 | <i>Ustekinumab</i>         |            | 6.9        | 0.5        |
| <b>Disease localization [%]</b> |                            |            | L1: 19.2   | E1: 24.3   |
|                                 |                            |            | L2: 14.7   | E2: 23.7   |
|                                 |                            |            | L3: 45.2   | E3: 52.0   |
|                                 |                            |            | L4: 0.0    |            |
|                                 |                            |            | L4+: 20.9  |            |