

|                        |            |
|------------------------|------------|
| Number of patients     | 805 (100%) |
| Age median (range)     | 66 (26-92) |
| Gender                 |            |
| Male                   | 96 (12%)   |
| Female                 | 81 (10%)   |
| Unknown                | 628 (78%)  |
| Location               |            |
| Distal                 | 342 (42%)  |
| Proximal               | 224 (28%)  |
| Unknown                | 239 (30%)  |
| 8th ed. TNM AJCC Stage |            |
| 1                      | 57 (7%)    |
| 2                      | 321 (40%)  |
| 3                      | 262 (33%)  |
| 4                      | 99 (12%)   |
| Unknown                | 66 (8%)    |

Table S1: Clinical characteristics of CRC patients.

|           |                 | CMS1      | CMS2        | CMS3     | CMS4      | NOLBL    |
|-----------|-----------------|-----------|-------------|----------|-----------|----------|
| ADHESION  | low adhesion    | 68 (52%)  | 255 (81%)   | 95 (98%) | 2 (2%)    | 34 (47%) |
|           | high adhesion   | 64 (48%)  | 60 (19%)    | 2 (2%)   | 186 (99%) | 39 (53%) |
| IMMUNE    | immune positive | 106 (80%) | 57 (18%)    | 18 (19%) | 139 (74%) | 44 (60%) |
|           | immune negative | 26 (20%)  | 258 (82%)   | 79 (81%) | 49 (26%)  | 29 (40%) |
| MOLECULAR | Stem cells      | 2 (2%)    | 123 (39%)   | 18 (19%) | 42 (22%)  | 36 (49%) |
|           | Metabolic       | 38 (29%)  | 0 (0%)      | 73 (75%) | 12 (6%)   | 14 (19%) |
|           | Wnt pathway     | 3 (2%)    | 191 (60.7%) | 0 (0%)   | 88 (47%)  | 18 (25%) |
|           | Extracellular   | 89 (67%)  | 1 (0.3%)    | 6 (6%)   | 46 (24%)  | 5 (7%)   |

Table S5: Number of patients and percentage of each consensus molecular subtype (CMS) assigned to immune, adhesion, and molecular layers.