

Supplementary Table 4.

Average methylation dosage ratios and standard deviations for paired tumor and normal tissues shown in Fig 3.

| Tissue category | No. | 572 | 129-2 | 663 | 375 | 345 | 132 | 34a |
|-----------------------------|-----|------------------|------------------|------------------|----------------|------------------|------------------|------------------|
| Sporadic Finnish CRC-MSI | 40 | 0.56 (0.09)‡ | 0.36 (0.12) | 0.42 (0.11) | 0.04 (0.03) | 0.26 (0.16) | 0.20 (0.19) | 0.60 (0.16) |
| Normal mucosa | 40 | 0.51 (0.08) | 0.16 (0.05) | 0.30 (0.08) | 0.04 (0.03) | 0.11 (0.04) | 0.02 (0.02) | 0.44 (0.14) |
| p-value ^a | | <0.05 | <0.001 | <0.001 | ns | <0.001 | <0.001 | <0.001 |
| Sporadic Finnish CRC-MSS | 47 | 0.51 (0.15) | 0.30 (0.14) | 0.37 (0.14) | 0.04 (0.03) | 0.13 (0.07) | 0.03 (0.08) | 0.52 (0.16) |
| Normal mucosa | 47 | 0.45 (0.14) | 0.15 (0.05) | 0.25 (0.10) | 0.05 (0.04) | 0.10 (0.05) | 0.03 (0.03) | 0.41 (0.13) |
| p-value | | <0.01 | <0.001 | <0.001 | ns | <0.001 | ns | <0.001 |
| Finnish Lynch-CRC | 28 | 0.60 (0.13) | 0.30 (0.11) | 0.41 (0.12) | 0.12 (0.05) | 0.21 (0.15) | 0.07 (0.04) | 0.56 (0.15) |
| Normal mucosa | | 0.52 (0.12) | 0.20 (0.06) | 0.23 (0.08) | 0.13 (0.09) | 0.16 (0.07) | 0.07 (0.05) | 0.39 (0.16) |
| p-value | | <0.05 | <0.001 | <0.001 | ns | ns | ns | <0.001 |
| Sporadic Australian CRC-MSI | 38 | 0.63 (0.15) | 0.44 (0.17) | 0.53 (0.14) | 0.13 (0.08) | 0.24 (0.22) | 0.25 (0.22) | 0.79 (0.31) |
| Normal mucosa | | 0.55 (0.20) | 0.22 (0.06) | 0.33 (0.13) | 0.10 (0.06) | 0.13 (0.06) | 0.07 (0.04) | 0.51 (0.30) |
| p-value | | <0.001 | <0.01 | <0.001 | ns | <0.01 | <0.001 | <0.001 |
| Sporadic Australian CRC-MSS | 52 | 0.64 (0.11) | 0.49 (0.19) | 0.54 (0.12) | 0.13 (0.04) | 0.15 (0.13) | 0.12 (0.12) | 0.75 (0.22) |
| Normal mucosa | | 0.58 (0.10) | 0.27 (0.06) | 0.31 (0.09) | 0.12 (0.05) | 0.16 (0.10) | 0.11 (0.14) | 0.67 (0.52) |
| p-value | | <0.05 | <0.001 | <0.001 | ns | ns | ns | <0.01 |
| Finnish Lynch-EC | 36 | 0.43 (0.16) | 0.22 (0.10) | 0.31 (0.12) | 0.10 (0.06) | 0.08 (0.05) | 0.12 (0.10) | 0.34 (0.13) |
| Normal endometrium | | 0.32 (0.12) | 0.15 (0.06) | 0.15 (0.11) | 0.09 (0.06) | 0.09 (0.05) | 0.06 (0.05) | 0.22 (0.07) |
| p-value | | <0.01 | <0.001 | <0.001 | ns | ns | <0.01 | <0.001 |

‡Number in parentheses, standard deviation

^aStatistical significance for tumor vs. normal comparisons was determined with T-test (pairwise analysis) or Wilcoxon test and significant values are in bold.

ns, non-significant