

Supplementary Table 3: Clinical characteristics of the FFPE sample series used for verification studies.

| Sample | Sex | Age | Location in the colon | Lesion diameter (mm) | BRAF | KRAS |
|------------|-----|-----|-----------------------|----------------------|-------------------|--------------------------------|
| Normal 1 | M | 60 | C | | ns | ns |
| Normal 2 | M | 83 | A | | ns | ns |
| Normal 3 | F | 70 | C | | ns | ns |
| Normal 4 | F | 85 | C | | ns | ns |
| Normal 5 | M | 70 | HF | | ns | ns |
| Normal 6 | M | 74 | A | | ns | ns |
| SSA/P 1 | F | 77 | C | 13 | c.1799T>A (V600E) | ns |
| SSA/P 2 | F | 24 | T | 13 | c.1799T>A (V600E) | ns |
| SSA/P 3 | F | 58 | T | 11 | WT | WT |
| SSA/P 4 | F | 59 | A | 8 | c.1799T>A (V600E) | ns |
| SSA/P 5 | F | 65 | A | 10 | c.1799T>A (V600E) | ns |
| SSA/P 6 | F | 65 | A | 15 | c.1799T>A (V600E) | ns |
| SSA/P 7 | F | 67 | C | 15 | c.1799T>A (V600E) | ns |
| SSA/P 8 | F | 78 | T | 16 | c.1799T>A (V600E) | ns |
| SSA/P 9 | F | 49 | T | 10 | c.1799T>A (V600E) | ns |
| SSA/P 10 | F | 55 | C | 10 | c.1799T>A (V600E) | ns |
| SSA/P 11 | F | 57 | C | 12 | c.1799T>A (V600E) | ns |
| SSA/P 12 | F | 64 | A | 18 | c.1799T>A (V600E) | ns |
| SSA/P 13 | F | 52 | A | 10 | WT | WT |
| SSA/P 14 | F | 52 | A | 13 | c.1799T>A (V600E) | ns |
| SSA/P 15 | F | 72 | C | 7 | c.1799T>A (V600E) | ns |
| SSA/P 16 | F | 55 | A | 8 | c.1799T>A (V600E) | ns |
| SSA/P 17 | F | 71 | C | 9 | c.1799T>A (V600E) | ns |
| SSA/P 18 | F | 57 | C | 8 | c.1799T>A (V600E) | ns |
| SSA/P 19 | F | 63 | A | 5 | c.1799T>A (V600E) | ns |
| SSA/P 20 | F | 53 | C | 12 | c.1799T>A (V600E) | ns |
| SSA/P 21 | F | 74 | A | 14 | c.1799T>A (V600E) | ns |
| SSA/P 22 | M | 79 | D | 15 | c.1799T>A (V600E) | ns |
| SSA/P 23 | F | 24 | T | 7 | c.1799T>A (V600E) | ns |
| SSA/P 24 | M | 71 | P | 15 | c.1799T>A (V600E) | ns |
| SSA/P 25 | F | 55 | C | 15 | c.1799T>A (V600E) | ns |
| SSA/P 26 | M | 55 | T | 11 | WT | c.35G>A (G12D) |
| SSA/P 27 | M | 59 | A | 18 | c.1799T>A (V600E) | ns |
| SSA/P 28 | F | 54 | A | 12 | c.1799T>A (V600E) | ns |
| SSA/P 29 | F | 71 | A | 7 | c.1799T>A (V600E) | ns |
| SSA/P 30 | F | 45 | C | 15 | c.1799T>A (V600E) | ns |
| SSA/P 31 | F | 63 | A | 10 | c.1799T>A (V600E) | ns |
| Adenoma 1 | F | 77 | C | 25 | ns | c.35G>T (G12V) |
| Adenoma 2 | F | 86 | C | 22 | ns | c.34G>T; c.35G>T (G12F) |
| Adenoma 3 | F | 72 | C | 15 | WT | WT |
| Adenoma 4 | F | 70 | A | 25 | ns | c.35G>T (G12V) |
| Adenoma 5 | F | 78 | C | 20 | ns | c.38G>A (G13D) |
| Adenoma 6 | F | 78 | C | 50 | ns | c.35G>T (G12V); c.35G>A (G12D) |
| Adenoma 7 | F | 72 | A | 22 | ns | c.35G>T (G12V) |
| Adenoma 8 | F | 84 | A | 35 | ns | c.38G>A (G13D) |
| Adenoma 9 | F | 68 | C | 30 | ns | c.34G>T (G12C) |
| Adenoma 10 | M | 57 | C | 11 | WT | WT |
| Adenoma 11 | M | 69 | A | 10 | WT | WT |
| Adenoma 12 | M | 73 | A | 10 | WT | WT |
| Adenoma 13 | M | 59 | HF | 40 | ns | c.34G>T (G12C) |
| Adenoma 14 | M | 72 | C | 10 | WT | WT |
| Adenoma 15 | M | 66 | A | 11 | ns | c.38G>A (G13D) |
| Adenoma 16 | F | 67 | C | 30 | WT | WT |
| Adenoma 17 | M | 72 | A | 12 | WT | WT |
| Adenoma 18 | F | 68 | HF | 13 | WT | WT |
| Adenoma 19 | M | 64 | HF | 25 | ns | c.38G>A (G13D) |
| Adenoma 20 | F | 85 | A | 9 | WT | WT |
| Adenoma 21 | M | 69 | HF | 11 | WT | WT |
| Adenoma 22 | M | 46 | C | 9 | WT | WT |
| Adenoma 23 | M | 64 | HF | nr | ns | c.38G>A (G13D) |
| Adenoma 24 | F | 68 | C | 17 | WT | WT |

Abbreviations: M, male; F, female; C, cecum; A, ascending; HF hepatic flexure; T, transversum; D, descending; SSA/P, sessile serrated adenoma / polyp; nr: not reported; ns, not sequenced; WT, wild-type.