

| Subject ID | Cohort | Tumor Type | MSI Status | Germline mutations in MMR genes | Documented Lynch Syndrome | IHC | WHO/RECIST Response Rate | Radiographic Response (% change from baseline SLD) | Biochemical Response (% tumor marker change) |
|------------|--------|------------------|------------|---------------------------------|---------------------------|--------------------------|--------------------------|--|--|
| 1 | A | Colorectal | MSI | MSH-2 (splice) | Yes | Unknown | SD | -4 | -79 |
| 3 | B | Colorectal | MSS | None | No | Unknown | PD | 55 | 586 |
| 4 | C | Ampulla of Vater | MSI | MSH-2 (stop) | Yes | MSH-2, MSH-6 | PD | 56 | 336 |
| 6 | C | Small Bowel | MSI | MSH-2 (stop) | Yes | MSH-2, MSH-6 | PD | 38 | No Marker |
| 7 | B | Colorectal | MSS | None | No | Unknown | PD | 35 | 55 |
| 8 | A | Colorectal | MSI | None | No | hMLH-1 | PR | -50 | -99 |
| 9 | A | Colorectal | MSI | None | Yes | Unknown | SD | 2 | -17 |
| 10 | B | Colorectal | MSS | None | No | None | SD | 6 | 74 |
| 11 | A | Colorectal | MSI | MSH-2 (FS) | Yes | Unknown | SD | -7 | -94 |
| 13 | B | Colorectal | MSS | None | No | Unknown | PD | 45 | 1939 |
| 14 | B | Colorectal | MSS | None | No | Unknown | PD | 16 | 478 |
| 15 | A | Colorectal | MSI | None | Yes | MSH-2, MSH-6 | PR | -35 | -97 |
| 16 | A | Colon/Duodenal | MSI | MLH-1 (FS) | Yes | Unknown | SD | -28 | -94 |
| 17 | B | Colorectal | MSS | None | No | Unknown | PD | 40 | 65 |
| 18 | B | Colorectal | MSS | None | No | None | PD | 5 | -7 |
| 19 | A | Colorectal | MSI | None | No | hMLH-1, PMS2 | PR | -35 | -75 |
| 20 | C | Ampulla of Vater | MSI | MSH2 | Yes | MSH2,MSH6 | PR | -73 | -96 |
| 21 | B | Colorectal | MSS | None | No | Unknown | PD | 34 | 60 |
| 22 | B | Colorectal | MSS | None | No | Unknown | SD | -14 | -12 |
| 24 | B | Colorectal | MSS | None | No | None | Clinical PD | 2 | No Marker |
| 25 | C | Duodenum | MSI | None | No | PMS2, MLH1 | PR | -50 | No Marker |
| 26 | B | Colorectal | MSS | None | No | Unknown | Clinical PD | -11 | -4 |
| 27 | B | Colorectal | MSS | None | No | Unknown | Clinical PD | | 11 |
| 28 | B | Colorectal | MSS | None | No | None | PD | -14 | -9 |
| 29 | C | Endometrium | MSI | None | No | MHL-1, PMS 2 | CR | -61 | -93 |
| 30 | C | Endometrium | MSI | None | No | MSH-2, MSH-6 | PR | -70 | -13 |
| 31 | A | Colorectal | MSI | MLH-1 | Yes | MSH-2, MSH-6, weak MLH 1 | PR | -51 | No Marker |
| 32 | B | Colorectal | MSS | None | No | Unknown | PD | 16 | No Marker |
| 33 | A | Colorectal | MSI | MSH-2 | Yes | MSH-2, MSH-6 | PD | 7 | 28 |
| 35 | C | Bile duct | MSI | None | No | MLH1;PMS2 | PR | -41 | -93 |
| 36 | A | Colorectal | MSI | MLH-1 | Yes | MLH1 | SD | 3 | -64 |
| 37 | B | Colorectal | MSS | None | No | Unknown | PD | 26 | -20 |
| 38 | B | Colorectal | MSS | None | No | Unknown | Clinical PD | 2 | 17 |
| 40 | B | Colorectal | MSS | None | No | Unknown | Not evaluable | | -37 |
| 41 | B | Colorectal | MSS | None | No | Unknown | Clinical PD | -4 | No Marker |
| 42 | A | Colorectal | MSI | Pending | Yes | Unknown | Not evaluable | | -95 |
| 44 | C | Ampulla of Vater | MSI | Pending | Yes | MSH-6 | Not evaluable | | No Marker |
| 2.001 | B | Colorectal | MSS | None | No | None | PD | | 306 |
| 2.002 | B | Colorectal | MSS | None | No | None | Not evaluable | | 209 |
| 2.003 | B | Colorectal | MSS | None | No | None | Not evaluable | | 46 |
| 2.004 | C | Gastric | MSI | Pending | Unknown | MLH1, PMS2 | Not evaluable | | No Marker |

¹Only HLA A and B were used for neoantigen prediction

²5% or greater indicates significant PD-L1 expression on tumor cells

| Subject ID | Cohort | Tumor Type | Patient HLA Haplotypes | HLA Haplotypes analyzed by for neoantigen prediction ¹ | Total Somatic mutations | Mutations Resulting in an Amino Acid Change | Total Neoantigens | Total neoantigens per allele | Mutation-associated Neoantigens (MANAs) |
|------------|--------|------------------|--|---|-------------------------|---|-------------------|------------------------------|---|
| 1 | A | Colorectal | A*29:02, A*74:01, B*18:01, B*50:01, C*06:02, C*07:04 | 2 out of 4 | 1291 | 777 | 349 | 175 | 120 |
| 3 | B | Colorectal | A*33:01, B*07:05, B*15:03, C*02:10, C*07:02 | | Failed | - | - | - | - |
| 4 | C | Ampulla of Vater | A*02:01, A*26:01, B*35:01, B*38:01, C*04:01, C*12:03 | 4 out of 4 | 771 | 505 | 571 | 143 | 233 |
| 6 | C | Small Bowel | A*02:01, B*07:02, B*15:01, C*03:04, C*07:02 | 3 out of 3 | 2138 | 1575 | 2494 | 831 | 791 |
| 7 | B | Colorectal | A*11:01, A*24:02, B*07:02, C*07:02 | 3 out of 3 | 67 | 59 | 52 | 17 | 17 |
| 8 | A | Colorectal | A*11:01, A*33:01, B*14:02, C*08:02 | 3 out of 3 | 1681 | 1016 | 1200 | 400 | 322 |
| 9 | A | Colorectal | A*02:01, A*31:01, B*07:02, B*51:01, C*07:02, C*15:02 | 4 out of 4 | 1814 | 1222 | 2326 | 582 | 626 |
| 10 | B | Colorectal | A*23:01, A*26:01, B*38:01, B*44:03, C*04:01, C*12:03 | 4 out of 4 | 118 | 105 | 68 | 17 | 22 |
| 11 | A | Colorectal | A*02:01, A*03:01, B*15:01, B*44:02, C*03:04, C*04:01 | 4 out of 4 | 492 | 328 | 533 | 133 | 214 |
| 13 | B | Colorectal | A*02:01, A*24:02, B*27:02, B*51:01, C*02:02 | 4 out of 4 | 5 | 5 | 10 | 3 | 2 |
| 14 | B | Colorectal | A*01:01, A*68:02, B*14:02, B*37:01, C*07:01, C*08:02 | | Failed | - | - | - | - |
| 15 | A | Colorectal | A*02:03, A*11:01, B*15:01, B*18:01, C*04:01, C*07:04 | 4 out of 4 | 2345 | 1476 | 3506 | 877 | 1029 |
| 16 | A | Colon/Duodenal | A*03:01, A*11:01, B*15:18, B*35:01, C*04:01, C*07:04 | 4 out of 4 | 4025 | 2287 | 3928 | 982 | 1221 |
| 17 | B | Colorectal | A*01:01, A*30:01, B*08:01, B*13:02, C*06:02, C*07:01 | 3 out of 4 | 70 | 65 | 69 | 23 | 22 |
| 18 | B | Colorectal | A*02:01, A*68:01, B*44:02, C*05:01 | | Failed | - | - | - | - |
| 19 | A | Colorectal | A*01:01, A*31:01, B*08:01, B*35:01, C*04:01, C*07:01 | 4 out of 4 | 1477 | 770 | 1011 | 253 | 654 |
| 20 | C | Ampulla of Vater | Not Done | | Not Done | | | | |
| 21 | B | Colorectal | A*01:01, A*02:01, B*51:01, B*55:01, C*03:03, C*14:02 | 3 out of 4 | 77 | 72 | 59 | 20 | 20 |
| 22 | B | Colorectal | A*23:01, A*68:01, B*35:01, B*40:01, C*03:04, C*04:01 | 3 out of 4 | 102 | 96 | 160 | 40 | 45 |
| 24 | B | Colorectal | Not Done | | Not Done | | | | |
| 25 | C | Duodenum | A*03:01, A*25:01, B*07:02, B*18:01, C*07:02, C*12:03 | | Not Done | - | - | - | - |
| 26 | B | Colorectal | A*11:01, A*24:02, B*18:01, B*57:01, C*06:02, C*07:02 | | Not Done | - | - | - | - |
| 27 | B | Colorectal | A*01:02, A*24:02, B*07:02, B*58:02, C*06:02, C*07:02 | | Not Done | - | - | - | - |
| 28 | B | Colorectal | A*03:01, B*07:02, B*14:02, C*07:02, C*08:02 | | Not Done | - | - | - | - |
| 29 | C | Endometrium | A*01:01, A*03:01, B*07:02, B*37:01, C*06:02, C*07:02 | | Not Done | - | - | - | - |
| 30 | C | Endometrium | A*24:02, A*26:01, B*35:02, C*04:01 | | Not Done | - | - | - | - |
| 31 | A | Colorectal | A*11:01, A*24:02, B*35:02, B*52:01, C*04:01, C*12:02 | | Not Done | - | - | - | - |
| 32 | B | Colorectal | A*01:01, A*02:01, B*44:02, B*57:01, C*05:01, C*06:02 | | Not Done | - | - | - | - |
| 33 | A | Colorectal | A*02:01, A*26:01, B*13:02, B*27:05, C*02:02, C*06:02 | | Not Done | - | - | - | - |
| 35 | C | Bile duct | Not Done | | Not Done | | | | |
| 36 | A | Colorectal | A*02:01, A*29:02, B*44:02, B*44:03, C*02:02, C*16:01 | | Not Done | - | - | - | - |
| 37 | B | Colorectal | Not Done | | Not Done | | | | |
| 38 | B | Colorectal | A*01:01, A*02:01, B*08:01, B*44:02, C*05:01, C*07:01 | | Not Done | - | - | - | - |
| 40 | B | Colorectal | A*01:01, A*26:01, B*07:02, B*44:02, C*05:01, C*07:02 | | Not Done | - | - | - | - |
| 41 | B | Colorectal | Not Done | | Not Done | | | | |
| 42 | A | Colorectal | Not Done | | Not Done | | | | |
| 44 | C | Ampulla of Vater | Not Done | | Not Done | | | | |
| 2.001 | B | Colorectal | Not Done | | Not Done | | | | |
| 2.002 | B | Colorectal | Not Done | | Not Done | | | | |
| 2.003 | B | Colorectal | Not Done | | Not Done | | | | |
| 2.004 | C | Gastric | Not Done | | Not Done | | | | |

¹Only HLA A and B were used for neoantigen

²5% or greater indicates significant PD-L1 ex

| Subject ID | Cohort | Tumor Type | PD-L1 Expression on TILs and Macrophages invasive front (%) | PD-L1 Expression on TILs (%) | CD8 density in tumor (mm2) | CD8 density at Invasive front (mm2) | CD8 density in non-tumor tissue (mm2) | Reason Off Study |
|------------|--------|------------------|---|------------------------------|----------------------------|-------------------------------------|---------------------------------------|--|
| 1 | A | Colorectal | 40 | 10 | 227 | 363 | 0 | Trousseau's Syndrome (unrelated) |
| 3 | B | Colorectal | 0 | 0 | 23 | 73 | 0 | Disease Progression |
| 4 | C | Ampulla of Vater | 5 | 5 | 16 | 209 | 0 | Disease Progression |
| 6 | C | Small Bowel | 0 | 0 | Failed | Failed | Failed | Disease Progression |
| 7 | B | Colorectal | Failed | Failed | Failed | Failed | Failed | Disease Progression |
| 8 | A | Colorectal | 0 | 0 | 5 | 64 | 0 | N/A |
| 9 | A | Colorectal | 75 | 25 | 91 | 407 | 0 | Disease Progression |
| 10 | B | Colorectal | 20 | 20 | 335 | 227 | 0 | Asymptomatic grade 2 pancreatitis (grade 3 amylase/lipase) (related) |
| 11 | A | Colorectal | 0 | 0 | 32 | 282 | 0 | N/A |
| 13 | B | Colorectal | Failed | Failed | 0 | 77 | 0 | Disease Progression |
| 14 | B | Colorectal | Failed | Failed | Failed | Failed | Failed | Disease Progression |
| 15 | A | Colorectal | 15 | 20 | 162 | 72 | 0 | N/A |
| 16 | A | Colon/Duodenal | 75 | 5 | 298 | 673 | 0 | N/A |
| 17 | B | Colorectal | 5 | 10 | Failed | Failed | Failed | Disease Progression |
| 18 | B | Colorectal | 5 | 5 | 144 | 343 | 0 | Disease Progression |
| 19 | A | Colorectal | 40 | 10 | 1009 | 582 | Failed | N/A |
| 20 | C | Ampulla of Vater | | | | | | N/A |
| 21 | B | Colorectal | 1 | 0 | 38 | 308 | 0 | Disease Progression |
| 22 | B | Colorectal | Failed | Failed | Failed | Failed | Failed | Disease Progression |
| 24 | B | Colorectal | | | | | | Disease Progression |
| 25 | C | Duodenum | Failed | 10 | 623 | Failed | Failed | N/A |
| 26 | B | Colorectal | 0 | 0 | Failed | Failed | Failed | Disease Progression |
| 27 | B | Colorectal | 0 | 0 | 71 | 194 | 0 | Disease Progression |
| 28 | B | Colorectal | 0 | 0 | 114 | 259 | 0 | N/A |
| 29 | C | Endometrium | Failed | 5 | 870 | Failed | Failed | N/A |
| 30 | C | Endometrium | 70 | 30 | 347 | 1215 | 0 | N/A |
| 31 | A | Colorectal | 0 | 0 | 7 | 13 | Failed | N/A |
| 32 | B | Colorectal | 10 | 5 | 72 | 146 | 0 | Disease Progression |
| 33 | A | Colorectal | 0 | 5 | 32 | 891 | 0 | N/A |
| 35 | C | Bile duct | | | | | | N/A |
| 36 | A | Colorectal | 5 | 5 | 205 | 1192 | 0 | N/A |
| 37 | B | Colorectal | | | | | | Disease Progression |
| 38 | B | Colorectal | 0 | 0 | 127 | 463 | 0 | Disease Progression |
| 40 | B | Colorectal | 5 | 10 | 50 | 27 | 0 | N/A |
| 41 | B | Colorectal | | | | | | Disease Progression |
| 42 | A | Colorectal | | | | | | N/A |
| 44 | C | Ampulla of Vater | | | | | | Disease Progression |
| 2.001 | B | Colorectal | | | | | | Disease Progression |
| 2.002 | B | Colorectal | | | | | | N/A |
| 2.003 | B | Colorectal | | | | | | N/A |
| 2.004 | C | Gastric | | | | | | N/A |

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