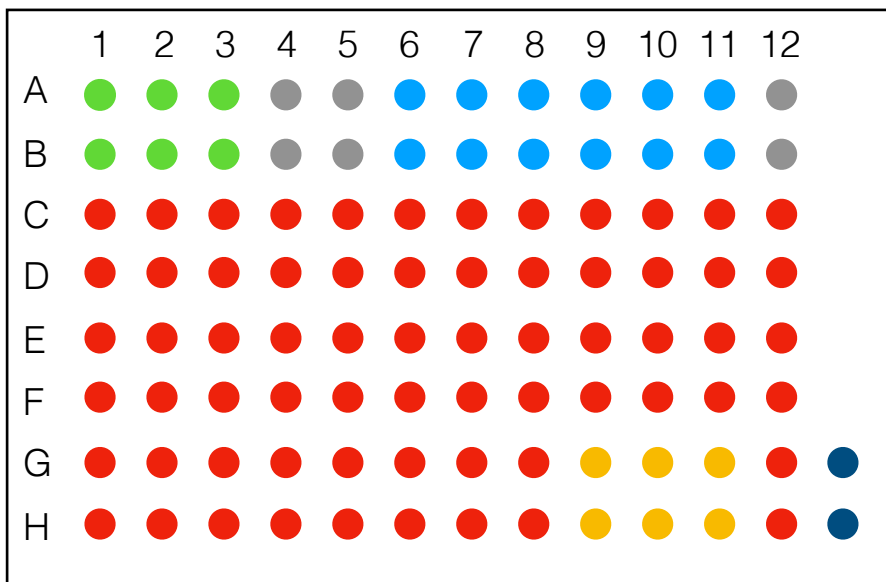


*Reveal Biosciences offers Histochemical Staining, Immunohistochemistry (IHC), In Situ Hybridization (ISH), Whole Slide Imaging, and Quantitative Image Analysis on any TMA*

## LV12 - Liver Cancer Tissue Microarray with Progressive Changes



**Cases:** 48

**Cores:** 96

**Core Size:** 1.5mm

**Core Thickness:** 4um

**Format:** 8 x 12

**QA/QC:** H&E,  
IHC anti-Cytokeratin

● Normal   ● Benign   ● Malignant   ● Inflammatory   ● Metastasis  
● Orientation core

**Description:** Liver cancer tissue array, 96 cores, 48 cases in duplicates from normal, premalignant and cancer tissues with progressive grades and TNM staging data.

All tissues were fixed in 10% neutral buffer formalin for 24 hours and processed using identical SOPs. Sections were picked onto Superfrost Plus or Startfrost Adhesive slides. All TMAs are cut fresh upon ordering. They all have a guaranteed six month shelf-life at 4 degrees Celsius from the date of shipment. Additional cores not listed are orientation markers and have no data. There may be <5% core loss per slide but the core retention rate should be >90%.

**Note:** Bake at 60°C for 30 minutes before use.

| Pos. | Sex | Age  | Anatomic Site | Pathology                         | Grade | Stage (TNM) |
|------|-----|------|---------------|-----------------------------------|-------|-------------|
| A01  | M   | 40.0 | Liver         | Normal                            |       |             |
| A02  | M   | 63.0 | Liver         | Normal                            |       |             |
| A03  | F   | 37.0 | Liver         | Normal                            |       |             |
| A04  | M   | 56.0 | Liver         | Cellular swelling                 |       |             |
| A05  | M   | 51.0 | Liver         | Cellular swelling                 |       |             |
| A06  | M   | 59.0 | Liver         | Chronic viral hepatitis           |       |             |
| A07  | M   | 50.0 | Liver         | Viral subfulminant hepatitis      |       |             |
| A08  | M   | 52.0 | Liver         | Viral subfulminant hepatitis      |       |             |
| A09  | F   | 56.0 | Liver         | Viral hepatitis related cirrhosis |       |             |
| A10  | M   | 57.0 | Liver         | Viral hepatitis related cirrhosis |       |             |
| A11  | M   | 29.0 | Liver         | Viral hepatitis related cirrhosis |       |             |
| A12  | M   | 37.0 | Liver         | Hemangioma                        |       |             |
| B01  | M   | 40.0 | Liver         | Normal                            |       |             |
| B02  | M   | 63.0 | Liver         | Normal                            |       |             |
| B03  | F   | 37.0 | Liver         | Normal                            |       |             |
| B04  | M   | 56.0 | Liver         | Cellular swelling                 |       |             |
| B05  | M   | 51.0 | Liver         | Cellular swelling                 |       |             |
| B06  | M   | 59.0 | Liver         | Chronic viral hepatitis           |       |             |
| B07  | M   | 50.0 | Liver         | Viral subfulminant hepatitis      |       |             |
| B08  | M   | 52.0 | Liver         | Viral subfulminant hepatitis      |       |             |
| B09  | F   | 56.0 | Liver         | Viral hepatitis related cirrhosis |       |             |
| B10  | M   | 57.0 | Liver         | Viral hepatitis related cirrhosis |       |             |
| B11  | M   | 29.0 | Liver         | Viral hepatitis related cirrhosis |       |             |
| B12  | M   | 37.0 | Liver         | Hemangioma                        |       |             |
| C01  | M   | 40.0 | Liver         | Hepatocellular carcinoma          | I     | T2N0M0      |
| C02  | M   | 67.0 | Liver         | Hepatocellular carcinoma          | I     | T2N0M0      |
| C03  | M   | 26.0 | Liver         | Hepatocellular carcinoma          | I     | T2N0M0      |
| C04  | M   | 66.0 | Liver         | Hepatocellular carcinoma          | I     | T2N0M0      |
| C05  | M   | 78.0 | Liver         | Hepatocellular carcinoma          | II    | T3N0M0      |
| C06  | M   | 65.0 | Liver         | Hepatocellular carcinoma          | I     | T2N0M0      |
| C07  | M   | 43.0 | Liver         | Hepatocellular carcinoma          | II    | T2N0M0      |
| C08  | M   | 63.0 | Liver         | Hepatocellular carcinoma          | II    | T2N0M0      |
| C09  | M   | 35.0 | Liver         | Hepatocellular carcinoma          | II    | T3N0M0      |

| Pos. | Sex | Age  | Anatomic Site | Pathology                | Grade  | Stage (TNM) |
|------|-----|------|---------------|--------------------------|--------|-------------|
| C10  | M   | 29.0 | Liver         | Hepatocellular carcinoma | II     | T4N0M0      |
| C11  | M   | 40.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| C12  | M   | 55.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| D01  | M   | 40.0 | Liver         | Hepatocellular carcinoma | I      | T2N0M0      |
| D02  | M   | 67.0 | Liver         | Hepatocellular carcinoma | I      | T2N0M0      |
| D03  | M   | 26.0 | Liver         | Hepatocellular carcinoma | I      | T2N0M0      |
| D04  | M   | 66.0 | Liver         | Hepatocellular carcinoma | I      | T2N0M0      |
| D05  | M   | 78.0 | Liver         | Hepatocellular carcinoma | II     | T3N0M0      |
| D06  | M   | 65.0 | Liver         | Hepatocellular carcinoma | I      | T2N0M0      |
| D07  | M   | 43.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| D08  | M   | 63.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| D09  | M   | 35.0 | Liver         | Hepatocellular carcinoma | II     | T3N0M0      |
| D10  | M   | 29.0 | Liver         | Hepatocellular carcinoma | II     | T4N0M0      |
| D11  | M   | 40.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| D12  | M   | 55.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| E01  | M   | 56.0 | Liver         | Hepatocellular carcinoma | II     | T3N0M0      |
| E02  | F   | 60.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| E03  | M   | 56.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| E04  | M   | 45.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| E05  | F   | 32.0 | Liver         | Hepatocellular carcinoma | II     | T3N0M0      |
| E06  | M   | 44.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| E07  | M   | 31.0 | Liver         | Hepatocellular carcinoma | III    | T2N0M0      |
| E08  | M   | 53.0 | Liver         | Hepatocellular carcinoma | III    | T2N0M0      |
| E09  | M   | 31.0 | Liver         | Hepatocellular carcinoma | III    | T2N0M0      |
| E10  | M   | 57.0 | Liver         | Hepatocellular carcinoma | III    | T2N0M0      |
| E11  | M   | 37.0 | Liver         | Hepatocellular carcinoma | III    | T2N0M0      |
| E12  | M   | 38.0 | Liver         | Hepatocellular carcinoma | II~III | T2N0M0      |
| F01  | M   | 56.0 | Liver         | Hepatocellular carcinoma | II     | T3N0M0      |
| F02  | F   | 60.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| F03  | M   | 56.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| F04  | M   | 45.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |
| F05  | F   | 32.0 | Liver         | Hepatocellular carcinoma | II     | T3N0M0      |
| F06  | M   | 44.0 | Liver         | Hepatocellular carcinoma | II     | T2N0M0      |

| Pos. | Sex | Age  | Anatomic Site | Pathology                            | Grade  | Stage (TNM) |
|------|-----|------|---------------|--------------------------------------|--------|-------------|
| F07  | M   | 31.0 | Liver         | Hepatocellular carcinoma             | III    | T2N0M0      |
| F08  | M   | 53.0 | Liver         | Hepatocellular carcinoma             | III    | T2N0M0      |
| F09  | M   | 31.0 | Liver         | Hepatocellular carcinoma             | III    | T2N0M0      |
| F10  | M   | 57.0 | Liver         | Hepatocellular carcinoma             | III    | T2N0M0      |
| F11  | M   | 37.0 | Liver         | Hepatocellular carcinoma             | III    | T2N0M0      |
| F12  | M   | 38.0 | Liver         | Hepatocellular carcinoma             | II~III | T2N0M0      |
| G01  | M   | 55.0 | Liver         | Hepatocellular carcinoma             | III    | T1N0M0      |
| G02  | M   | 34.0 | Liver         | Hepatocellular carcinoma             |        | T2N0M0      |
| G03  | M   | 32.0 | Liver         | Hepatocellular carcinoma             |        | T3N0M0      |
| G04  | M   | 65.0 | Liver         | Hepatocellular carcinoma, clear cell | II     | T2N0M0      |
| G05  | F   | 70.0 | Liver         | Cholangiocarcinoma                   | II     | T3N0M0      |
| G06  | M   | 39.0 | Liver         | Cholangiocarcinoma                   | II~III | T2N0M0      |
| G07  | F   | 69.0 | Liver         | Cholangiocarcinoma                   | II     | T4N1M0      |
| G08  | M   | 51.0 | Liver         | Cholangiocarcinoma                   | II     | T2N0M0      |
| G09  | M   | 57.0 | Liver         | Metastatic colon adenocarcinoma      |        |             |
| G10  | M   | 57.0 | Liver         | Metastatic adenocarcinoma            |        |             |
| G11  | M   | 42.0 | Liver         | Metastatic adenocarcinoma            |        |             |
| G12  | M   | 43.0 | Liver         | Leiomyosarcoma                       |        |             |
| H01  | M   | 55.0 | Liver         | Hepatocellular carcinoma             | III    | T1N0M0      |
| H02  | M   | 34.0 | Liver         | Hepatocellular carcinoma             |        | T2N0M0      |
| H03  | M   | 32.0 | Liver         | Hepatocellular carcinoma             |        | T3N0M0      |
| H04  | M   | 65.0 | Liver         | Hepatocellular carcinoma, clear cell | II     | T2N0M0      |
| H05  | F   | 70.0 | Liver         | Cholangiocarcinoma                   | II     | T3N0M0      |
| H06  | M   | 39.0 | Liver         | Cholangiocarcinoma                   | II~III | T2N0M0      |
| H07  | F   | 69.0 | Liver         | Cholangiocarcinoma                   | II     | T4N1M0      |
| H08  | M   | 51.0 | Liver         | Cholangiocarcinoma                   | II     | T2N0M0      |
| H09  | M   | 57.0 | Liver         | Metastatic colon adenocarcinoma      |        |             |
| H10  | M   | 57.0 | Liver         | Metastatic adenocarcinoma            |        |             |
| H11  | M   | 42.0 | Liver         | Metastatic adenocarcinoma            |        |             |
| H12  | M   | 43.0 | Liver         | Leiomyosarcoma                       |        |             |