

| CASE | HISTOLOGIC TYPE                      | CASE | HISTOLOGIC TYPE                     | CASE | HISTOLOGIC TYPE                      |
|------|--------------------------------------|------|-------------------------------------|------|--------------------------------------|
| 1    | LUNG- SMALL CELL CARCINOMA           | 55   | OVARY- SEROUS CARCINOMA             | 108  | ESOPHAGUS- SQUAMOUS CELL CARCINOMA   |
| 2    | LUNG- SMALL CELL CARCINOMA           | 56   | COLORECTAL ADENOCARCINOMA           | 109  | KIDNEY- RCC, PAPILLARY               |
| 3    | LUNG- SMALL CELL CARCINOMA           | 57   | OVARY- SEROUS CARCINOMA             | 110  | KIDNEY- RCC, PAPILLARY               |
| 4    | LUNG- SMALL CELL CARCINOMA           | 58   | COLORECTAL ADENOCARCINOMA           | 111  | KIDNEY- RCC, PAPILLARY               |
| 5    | LUNG- SMALL CELL CARCINOMA           | 59   | HEAD&NECK SQUAMOUS CELL CARCINOMA   | 112  | PANCREAS ADENOCARCINOMA              |
| 6    | BREAST- LOBULAR CARCINOMA            | 60   | OVARY- SEROUS CARCINOMA             | 113  | PANCREAS ADENOCARCINOMA              |
| 7    | BREAST- LOBULAR CARCINOMA            | 61   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA | 114  | PANCREAS ADENOCARCINOMA              |
| 8    | STOMACH- AdCa, SIGNET RING CELL TYPE | 62   | KIDNEY- RCC, CLEAR CELL             | 115  | PANCREAS ADENOCARCINOMA              |
| 9    | BREAST- LOBULAR CARCINOMA            | 63   | LIVER- HEPATOCELLULAR CARCINOMA     | 116  | PROSTATE ADENOCARCINOMA              |
| 10   | BILE DUCT- CHOLANGIOCARCINOMA        | 64   | OVARY- SEROUS CARCINOMA             | 117  | PROSTATE ADENOCARCINOMA              |
| 11   | LUNG- SMALL CELL CARCINOMA           | 65   | COLORECTAL ADENOCARCINOMA           | 118  | PROSTATE ADENOCARCINOMA              |
| 12   | BREAST- LOBULAR CARCINOMA            | 66   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA | 119  | PROSTATE ADENOCARCINOMA              |
| 13   | BREAST- LOBULAR CARCINOMA            | 67   | COLORECTAL ADENOCARCINOMA           | 120  | PROSTATE ADENOCARCINOMA              |
| 14   | KIDNEY- RCC, CHROMOPHOBE             | 68   | KIDNEY- RCC, CLEAR CELL             | 121  | PROSTATE ADENOCARCINOMA              |
| 15   | COLORECTAL ADENOCARCINOMA            | 69   | KIDNEY- RCC, CLEAR CELL             | 122  | PROSTATE ADENOCARCINOMA              |
| 16   | KIDNEY- RCC, CHROMOPHOBE             | 70   | COLORECTAL ADENOCARCINOMA           | 123  | PROSTATE ADENOCARCINOMA              |
| 17   | KIDNEY- RCC, CHROMOPHOBE             | 71   | LUNG- SQUAMOUS CELL CARCINOMA       | 124  | PROSTATE ADENOCARCINOMA              |
| 18   | BREAST- LOBULAR CARCINOMA            | 72   | LUNG- ADENOCARCINOMA                | 125  | PROSTATE ADENOCARCINOMA              |
| 19   | STOMACH- AdCa, INTESTINAL TYPE       | 73   | LUNG- SQUAMOUS CELL CARCINOMA       | 126  | PROSTATE ADENOCARCINOMA              |
| 20   | BILE DUCT- CHOLANGIOCARCINOMA        | 74   | LUNG- SQUAMOUS CELL CARCINOMA       | 127  | BLADDER UROTHELIAL CARCINOMA         |
| 21   | BILE DUCT- CHOLANGIOCARCINOMA        | 75   | LUNG- ADENOCARCINOMA                | 128  | BLADDER UROTHELIAL CARCINOMA         |
| 22   | STOMACH- AdCa, INTESTINAL TYPE       | 76   | HEAD&NECK SQUAMOUS CELL CARCINOMA   | 129  | BLADDER UROTHELIAL CARCINOMA         |
| 23   | OVARY- SEROUS CARCINOMA              | 77   | HEAD&NECK SQUAMOUS CELL CARCINOMA   | 130  | BLADDER UROTHELIAL CARCINOMA         |
| 24   | BILE DUCT- CHOLANGIOCARCINOMA        | 78   | LUNG- SQUAMOUS CELL CARCINOMA       | 131  | BLADDER UROTHELIAL CARCINOMA         |
| 25   | LIVER- HEPATOCELLULAR CARCINOMA      | 79   | LUNG- SQUAMOUS CELL CARCINOMA       | 132  | BLADDER UROTHELIAL CARCINOMA         |
| 26   | OVARY- SEROUS CARCINOMA              | 80   | LUNG- ADENOCARCINOMA                | 133  | BLADDER UROTHELIAL CARCINOMA         |
| 27   | OVARY- SEROUS CARCINOMA              | 81   | BREAST- DUCTAL CARCINOMA            | 134  | BLADDER UROTHELIAL CARCINOMA         |
| 28   | ESOPHAGUS- SQUAMOUS CELL CARCINOMA   | 82   | LUNG- ADENOCARCINOMA                | 135  | BLADDER UROTHELIAL CARCINOMA         |
| 29   | HEAD&NECK SQUAMOUS CELL CARCINOMA    | 83   | LUNG- ADENOCARCINOMA                | 136  | BLADDER UROTHELIAL CARCINOMA         |
| 30   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  | 84   | BREAST- DUCTAL CARCINOMA            | 137  | BLADDER UROTHELIAL CARCINOMA         |
| 31   | OVARY- SEROUS CARCINOMA              | 85   | PROSTATE ADENOCARCINOMA             | 138  | BLADDER UROTHELIAL CARCINOMA         |
| 32   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  | 86   | BREAST- DUCTAL CARCINOMA            | 139  | STOMACH- AdCa, SIGNET RING CELL TYPE |
| 33   | OVARY- SEROUS CARCINOMA              | 87   | PANCREAS ADENOCARCINOMA             | 140  | STOMACH- AdCa, INTESTINAL TYPE       |
| 34   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  | 88   | BREAST- DUCTAL CARCINOMA            | 141  | STOMACH- AdCa, INTESTINAL TYPE       |
| 35   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  | 89   | BREAST- DUCTAL CARCINOMA            | 142  | STOMACH- AdCa, INTESTINAL TYPE       |
| 36   | HEAD&NECK SQUAMOUS CELL CARCINOMA    | 90   | PANCREAS ADENOCARCINOMA             | 143  | STOMACH- AdCa, SIGNET RING CELL TYPE |
| 37   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  | 91   | LIVER- HEPATOCELLULAR CARCINOMA     | 144  | STOMACH- AdCa, SIGNET RING CELL TYPE |
| 38   | ESOPHAGUS- SQUAMOUS CELL CARCINOMA   | 92   | COLORECTAL ADENOCARCINOMA           | 145  | STOMACH- AdCa, SIGNET RING CELL TYPE |
| 39   | HEAD&NECK SQUAMOUS CELL CARCINOMA    | 93   | COLORECTAL ADENOCARCINOMA           | 146  | PANCREAS ADENOCARCINOMA              |
| 40   | HEAD&NECK SQUAMOUS CELL CARCINOMA    | 94   | KIDNEY- RCC, CLEAR CELL             | 147  | PANCREAS ADENOCARCINOMA              |
| 41   | HEAD&NECK SQUAMOUS CELL CARCINOMA    | 95   | COLORECTAL ADENOCARCINOMA           | 148  | PANCREAS ADENOCARCINOMA              |
| 42   | HEAD&NECK SQUAMOUS CELL CARCINOMA    | 96   | ESOPHAGUS- ADENOCARCINOMA           | 149  | ESOPHAGUS- SQUAMOUS CELL CARCINOMA   |
| 43   | COLORECTAL ADENOCARCINOMA            | 97   | ESOPHAGUS- ADENOCARCINOMA           | 150  | STOMACH- AdCa, SIGNET RING CELL TYPE |
| 44   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  | 98   | KIDNEY- RCC, CLEAR CELL             | 151  | STOMACH- AdCa, INTESTINAL TYPE       |
| 46   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  | 99   | ESOPHAGUS- ADENOCARCINOMA           | 152  | ESOPHAGUS- ADENOCARCINOMA            |
| 47   | COLORECTAL ADENOCARCINOMA            | 100  | ESOPHAGUS- SQUAMOUS CELL CARCINOMA  | 153  | ESOPHAGUS- ADENOCARCINOMA            |
| 48   | BILE DUCT- CHOLANGIOCARCINOMA        | 101  | PANCREAS ADENOCARCINOMA             | 154  | COLORECTAL ADENOCARCINOMA            |
| 49   | BREAST- DUCTAL CARCINOMA             | 102  | ESOPHAGUS- ADENOCARCINOMA           | 155  | LUNG- ADENOCARCINOMA                 |
| 50   | LIVER- HEPATOCELLULAR CARCINOMA      | 103  | HEAD&NECK SQUAMOUS CELL CARCINOMA   | 156  | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  |
| 51   | BILE DUCT- CHOLANGIOCARCINOMA        | 104  | PANCREAS ADENOCARCINOMA             | 157  | LIVER- HEPATOCELLULAR CARCINOMA      |
| 52   | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  | 105  | PANCREAS ADENOCARCINOMA             | 158  | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  |
| 53   | OVARY- SEROUS CARCINOMA              | 106  | HEAD&NECK SQUAMOUS CELL CARCINOMA   | 159  | OVARY- SEROUS CARCINOMA              |
| 54   | LIVER- HEPATOCELLULAR CARCINOMA      | 107  | ESOPHAGUS- ADENOCARCINOMA           | 160  | OVARY- SEROUS CARCINOMA              |

Note: Case number 45 was skipped, case 95 is present twice in arrays

|                               |      |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
|-------------------------------|------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|------|------|------|------|------|------|------|------|--------------------|------|------|------|-----------------------------|------|--|--|--|--|-------------|--|--|--|-----------------------------------|--|--|--|--|--|------|--|--|--|
| Microarray Name: UVA.CC.TMA-1 |      |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      | 4 Replicate Blocks: A,B,C,D |      |  |  |  |  |             |  |  |  | 0.6 mm punches on a 0.8 mm center |  |  |  |  |  |      |  |  |  |
| X                             | 0    | 1             | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11              | 12  | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21                 | 22   | 23   | 24   | 25                          |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| Y mm                          | 0    | 0.8           | 1.6 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 7.2 | 8.0 | 8.8             | 9.6 | 10.4 | 11.2 | 12.0 | 12.8 | 13.6 | 14.4 | 15.2 | 16.0 | 16.8               | 17.6 | 18.4 | 19.2 | 20.0 mm                     |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 0                             | 0    | NORMAL KIDNEY |     |     |     |     |     |     |     |     |     | NORMAL LIVER    |     |      |      |      |      |      |      |      |      | NORMAL ENDOMETRIUM |      |      |      |                             |      |  |  |  |  | 0           |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 1                             | 0.8  | 1             |     |     |     |     | 50  |     |     |     |     | 53              |     |      |      |      | 102  |      |      |      |      | 154                |      |      |      |                             | 0.8  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 2                             | 1.6  | 18            |     |     |     |     | 68  |     |     |     |     | 36              |     |      |      |      | 113  |      |      |      |      | 64                 |      |      |      |                             | 1.6  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 3                             | 2.4  | 14            |     |     |     |     | 81  |     |     |     |     | 82              |     |      |      |      | 134  |      |      |      |      | 123                |      |      |      |                             | 2.4  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 4                             | 3.2  | 20            |     |     |     |     | 101 |     |     |     |     | 37              |     |      |      |      | 121  |      |      |      |      | 66                 |      |      |      |                             | 3.2  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 5                             | 4.0  |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 4.0  |  |  |  |
| 6                             | 4.8  | 127           |     |     |     |     | 74  |     |     |     |     | 10              |     |      |      |      | 12   |      |      |      |      | 137                |      |      |      |                             | 4.8  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 7                             | 5.6  | 85            |     |     |     |     | 100 |     |     |     |     | 141             |     |      |      |      | 16   |      |      |      |      | 155                |      |      |      |                             | 5.6  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 8                             | 6.4  | 30            |     |     |     |     | 90  |     |     |     |     | 65              |     |      |      |      | 55   |      |      |      |      | 76                 |      |      |      |                             | 6.4  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 9                             | 7.2  | 23            |     |     |     |     | 97  |     |     |     |     | 84              |     |      |      |      | 95   |      |      |      |      | 146                |      |      |      |                             | 7.2  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 10                            | 8.0  |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 8.0  |  |  |  |
| 11                            | 8.8  | 109           |     |     |     |     | 31  |     |     |     |     | 106             |     |      |      |      | 114  |      |      |      |      | 89                 |      |      |      |                             | 8.8  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 12                            | 9.6  | 71            |     |     |     |     | 19  |     |     |     |     | 4               |     |      |      |      | 60   |      |      |      |      | 156                |      |      |      |                             | 9.6  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 13                            | 10.4 | 25            |     |     |     |     | 119 |     |     |     |     | 149             |     |      |      |      | 70   |      |      |      |      | 124                |      |      |      |                             | 10.4 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 14                            | 11.2 | 128           |     |     |     |     | 69  |     |     |     |     | 143             |     |      |      |      | 135  |      |      |      |      | 77                 |      |      |      |                             | 11.2 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 15                            | 12.0 |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 12.0 |  |  |  |
| 16                            | 12.8 | 72            |     |     |     |     | 34  |     |     |     |     | 63              |     |      |      |      | 24   |      |      |      |      | 111                |      |      |      |                             | 12.8 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 17                            | 13.6 | 26            |     |     |     |     | 104 |     |     |     |     | 150             |     |      |      |      | 92   |      |      |      |      | 47                 |      |      |      |                             | 13.6 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 18                            | 14.4 | 87            |     |     |     |     | 131 |     |     |     |     | 120             |     |      |      |      | 115  |      |      |      |      | 159                |      |      |      |                             | 14.4 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 19                            | 15.2 | 116           |     |     |     |     | 56  |     |     |     |     | 39              |     |      |      |      | 107  |      |      |      |      | 13                 |      |      |      |                             | 15.2 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 20                            | 16.0 | NORMAL COLON  |     |     |     |     |     |     |     |     |     | NORMAL PANCREAS |     |      |      |      |      |      |      |      |      | NORMAL ESOPHAGUS   |      |      |      |                             |      |  |  |  |  | NORMAL LUNG |  |  |  |                                   |  |  |  |  |  | 16.0 |  |  |  |
| 21                            | 16.8 |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 16.8 |  |  |  |
| 22                            | 17.6 |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 17.6 |  |  |  |
| Y mm                          | 0    | 0.8           | 1.6 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 7.2 | 8.0 | 8.8             | 9.6 | 10.4 | 11.2 | 12.0 | 12.8 | 13.6 | 14.4 | 15.2 | 16.0 | 16.8               | 17.6 | 18.4 | 19.2 | 20.0 mm                     |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| X                             | 0    | 1             | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11              | 12  | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21                 | 22   | 23   | 24   | 25                          |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |

| Microarray Name | UVA CC TMA-1 |                                    |     |     | 4 Replicate Blocks: A,I |                                    |     |     | 0.6 mm punches on a 0.8 mm center |                                    |     |     |     |                              |      |      |      |                                    |      |      |      |      |      |      |      |             |      |  |  |  |  |  |  |      |
|-----------------|--------------|------------------------------------|-----|-----|-------------------------|------------------------------------|-----|-----|-----------------------------------|------------------------------------|-----|-----|-----|------------------------------|------|------|------|------------------------------------|------|------|------|------|------|------|------|-------------|------|--|--|--|--|--|--|------|
| X               | 0            | 1                                  | 2   | 3   | 4                       | 5                                  | 6   | 7   | 8                                 | 9                                  | 10  | 11  | 12  | 13                           | 14   | 15   | 16   | 17                                 | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25          |      |  |  |  |  |  |  |      |
| Y mm            | 0            | 0.8                                | 1.6 | 2.4 | 3.2                     | 4.0                                | 4.8 | 5.6 | 6.4                               | 7.2                                | 8.0 | 8.8 | 9.6 | 10.4                         | 11.2 | 12.0 | 12.8 | 13.6                               | 14.4 | 15.2 | 16.0 | 16.8 | 17.6 | 18.4 | 19.2 | 20.0 mm     |      |  |  |  |  |  |  |      |
| 0               | 0            |                                    |     |     |                         |                                    |     |     |                                   |                                    |     |     |     |                              |      |      |      |                                    |      |      |      |      |      |      |      |             | 0    |  |  |  |  |  |  |      |
| 1               | 0.8          | NORMAL KIDNEY                      |     |     |                         |                                    |     |     |                                   | NORMAL LIVER                       |     |     |     |                              |      |      |      | NORMAL ENDOMETRIUM                 |      |      |      |      |      |      |      | 0.8         |      |  |  |  |  |  |  |      |
| 2               | 1.6          | LUNG- SMALL CELL CARCINOMA         |     |     |                         | LIVER- HEPATOCELLULAR CARCINOMA    |     |     |                                   | OVARY- SEROUS CARCINO              |     |     |     | ESOPHAGUS- ADENOCARCINOMA    |      |      |      | COLORECTAL ADENOCARCINOMA          |      |      |      | 1.6  |      |      |      |             |      |  |  |  |  |  |  |      |
| 3               | 2.4          | BREAST- LOBULAR CARCINOMA          |     |     |                         | KIDNEY- RCC, CLEAR CEL             |     |     |                                   | HEAD&NECK SQUAMOUS C CARCINOMA     |     |     |     | PANCREAS ADENOCARCINC        |      |      |      | OVARY- SEROUS CARCINO              |      |      |      | 2.4  |      |      |      |             |      |  |  |  |  |  |  |      |
| 4               | 3.2          | KIDNEY - RCC, CHROMOPH             |     |     |                         | BREAST- DUCTAL CARCINO             |     |     |                                   | LUNG- ADENOCARCINOM                |     |     |     | BLADDER UROTHELIAL CARCINOMA |      |      |      | PROSTATE ADENOCARCINO              |      |      |      | 3.2  |      |      |      |             |      |  |  |  |  |  |  |      |
| 5               | 4.0          | BILE DUCT- CHOLANGIOCARCINOM       |     |     |                         | PANCREAS ADENOCARCINC              |     |     |                                   | UTERUS (ENDOMETRIUM ADENOCARCINOM, |     |     |     | PROSTATE ADENOCARCINO        |      |      |      | UTERUS (ENDOMETRIUM ADENOCARCINOM, |      |      |      | 4.0  |      |      |      |             |      |  |  |  |  |  |  |      |
| 6               | 4.8          |                                    |     |     |                         |                                    |     |     |                                   |                                    |     |     |     |                              |      |      |      |                                    |      |      |      |      |      |      |      |             | 4.8  |  |  |  |  |  |  |      |
| 7               | 5.6          | BLADDER UROTHELIAL CARCINOMA       |     |     |                         | LUNG- SQUAMOUS CELL CARCINOMA      |     |     |                                   | BILE DUCT- CHOLANGIOCARCINOM       |     |     |     | BREAST- LOBULAR CARCINOMA    |      |      |      | BLADDER UROTHELIAL CARCINOMA       |      |      |      | 5.6  |      |      |      |             |      |  |  |  |  |  |  |      |
| 8               | 6.4          | PROSTATE ADENOCARCINO              |     |     |                         | ESOPHAGUS- SQUAMOUS C CARCINOMA    |     |     |                                   | STOMACH- AdCa INTESTIN TYPE        |     |     |     | KIDNEY- RCC, CHROMOPH        |      |      |      | LUNG - ADENOCARCINOM               |      |      |      | 6.4  |      |      |      |             |      |  |  |  |  |  |  |      |
| 9               | 7.2          | UTERUS (ENDOMETRIUM ADENOCARCINOM, |     |     |                         | PANCREAS ADENOCARCINC              |     |     |                                   | COLORECTAL ADENOCARCINOMA          |     |     |     | OVARY- SEROUS CARCINO        |      |      |      | HEAD&NECK SQUAMOUS C CARCINOMA     |      |      |      | 7.2  |      |      |      |             |      |  |  |  |  |  |  |      |
| 10              | 8.0          | OVARY- SEROUS CARCINO              |     |     |                         | ESOPHAGUS- ADENOCARCINOMA          |     |     |                                   | BREAST - DUCTAL CARCINC            |     |     |     | COLORECTAL ADENOCARCINOMA    |      |      |      | PANCREAS ADENOCARCINC              |      |      |      | 8.0  |      |      |      |             |      |  |  |  |  |  |  |      |
| 11              | 8.8          |                                    |     |     |                         |                                    |     |     |                                   |                                    |     |     |     |                              |      |      |      |                                    |      |      |      |      |      |      |      |             | 8.8  |  |  |  |  |  |  |      |
| 12              | 9.6          | KIDNEY- RCC, PAPILLARY             |     |     |                         | OVARY- SEROUS CARCINO              |     |     |                                   | HEAD&NECK SQUAMOUS C CARCINOMA     |     |     |     | PANCREAS ADENOCARCINC        |      |      |      | BREAST - DUCTAL CARCINC            |      |      |      | 9.6  |      |      |      |             |      |  |  |  |  |  |  |      |
| 13              | 10.4         | LUNG- SQUAMOUS CELL CARCINOMA      |     |     |                         | STOMACH- AdCa INTESTIN TYPE        |     |     |                                   | LUNG- SMALL CELL CARCINOMA         |     |     |     | OVARY- SEROUS CARCINO        |      |      |      | UTERUS (ENDOMETRIUM ADENOCARCINOM, |      |      |      | 10.4 |      |      |      |             |      |  |  |  |  |  |  |      |
| 14              | 11.2         | LIVER- HEPATOCELLULAR CARCINOMA    |     |     |                         | PROSTATE ADENOCARCINO              |     |     |                                   | ESOPHAGUS- SQUAMOUS C CARCINOMA    |     |     |     | COLORECTAL ADENOCARCINOMA    |      |      |      | PROSTATE ADENOCARCINO              |      |      |      | 11.2 |      |      |      |             |      |  |  |  |  |  |  |      |
| 15              | 12.0         | BLADDER UROTHELIAL CARCINOMA       |     |     |                         | KIDNEY- RCC, CLEAR CEL             |     |     |                                   | STOMACH- AdCa, SIGNET R CELL TYPE  |     |     |     | BLADDER UROTHELIAL CARCINOMA |      |      |      | HEAD&NECK SQUAMOUS C CARCINOMA     |      |      |      | 12.0 |      |      |      |             |      |  |  |  |  |  |  |      |
| 16              | 12.8         |                                    |     |     |                         |                                    |     |     |                                   |                                    |     |     |     |                              |      |      |      |                                    |      |      |      |      |      |      |      |             | 12.8 |  |  |  |  |  |  |      |
| 17              | 13.6         | LUNG- ADENOCARCINOM                |     |     |                         | UTERUS (ENDOMETRIUM ADENOCARCINOM, |     |     |                                   | LIVER- HEPATOCELLULAR CARCINOMA    |     |     |     | BILE DUCT- CHOLANGIOCARCINOM |      |      |      | KIDNEY- RCC, PAPILLARY             |      |      |      | 13.6 |      |      |      |             |      |  |  |  |  |  |  |      |
| 18              | 14.4         | OVARY- SEROUS CARCINO              |     |     |                         | PANCREAS ADENOCARCINC              |     |     |                                   | STOMACH- AdCa, SIGNET R CELL TYPE  |     |     |     | COLORECTAL ADENOCARCINOMA    |      |      |      | COLORECTAL ADENOCARCINOMA          |      |      |      | 14.4 |      |      |      |             |      |  |  |  |  |  |  |      |
| 19              | 15.2         | PANCREAS ADENOCARCINC              |     |     |                         | BLADDER UROTHELIAL CARCINOMA       |     |     |                                   | PROSTATE ADENOCARCINO              |     |     |     | PANCREAS- ADENOCARCINC       |      |      |      | OVARY- SEROUS CARCINO              |      |      |      | 15.2 |      |      |      |             |      |  |  |  |  |  |  |      |
| 20              | 16.0         | PROSTATE ADENOCARCINO              |     |     |                         | COLORECTAL ADENOCARCINOMA          |     |     |                                   | HEAD&NECK SQUAMOUS C CARCINOMA     |     |     |     | ESOPHAGUS- ADENOCARCINOMA    |      |      |      | BREAST- LOBULAR CARCINOMA          |      |      |      | 16.0 |      |      |      |             |      |  |  |  |  |  |  |      |
| 21              | 16.8         | NORMAL COLON                       |     |     |                         |                                    |     |     |                                   | NORMAL PANCREAS                    |     |     |     |                              |      |      |      | NORMAL ESOPHAGUS                   |      |      |      |      |      |      |      | NORMAL LUNG |      |  |  |  |  |  |  | 16.8 |
| 22              | 17.6         |                                    |     |     |                         |                                    |     |     |                                   |                                    |     |     |     |                              |      |      |      |                                    |      |      |      |      |      |      |      |             | 17.6 |  |  |  |  |  |  |      |
| Y mm            | 0            | 0.8                                | 1.6 | 2.4 | 3.2                     | 4.0                                | 4.8 | 5.6 | 6.4                               | 7.2                                | 8.0 | 8.8 | 9.6 | 10.4                         | 11.2 | 12.0 | 12.8 | 13.6                               | 14.4 | 15.2 | 16.0 | 16.8 | 17.6 | 18.4 | 19.2 | 20.0 mm     |      |  |  |  |  |  |  |      |
| X               | 0            | 1                                  | 2   | 3   | 4                       | 5                                  | 6   | 7   | 8                                 | 9                                  | 10  | 11  | 12  | 13                           | 14   | 15   | 16   | 17                                 | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25          |      |  |  |  |  |  |  |      |

|                               |      |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
|-------------------------------|------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|------|------|------|------|------|------|------|------|--------------------|------|------|------|-----------------------------|------|--|--|--|--|-------------|--|--|--|-----------------------------------|--|--|--|--|--|------|--|--|--|
| Microarray Name: UVA.CC.TMA-2 |      |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      | 4 Replicate Blocks: A,B,C,D |      |  |  |  |  |             |  |  |  | 0.6 mm punches on a 0.8 mm center |  |  |  |  |  |      |  |  |  |
| X                             | 0    | 1             | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11              | 12  | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21                 | 22   | 23   | 24   | 25                          |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| Y mm                          | 0    | 0.8           | 1.6 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 7.2 | 8.0 | 8.8             | 9.6 | 10.4 | 11.2 | 12.0 | 12.8 | 13.6 | 14.4 | 15.2 | 16.0 | 16.8               | 17.6 | 18.4 | 19.2 | 20.0 mm                     |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 0                             | 0    | NORMAL KIDNEY |     |     |     |     |     |     |     |     |     | NORMAL LIVER    |     |      |      |      |      |      |      |      |      | NORMAL ENDOMETRIUM |      |      |      |                             |      |  |  |  |  | 0           |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 1                             | 0.8  | 15            |     |     |     |     | 33  |     |     |     |     | 132             |     |      |      |      | 52   |      |      |      |      | 125                |      |      |      |                             | 0.8  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 2                             | 1.6  | 49            |     |     |     |     | 80  |     |     |     |     | 44              |     |      |      |      | 93   |      |      |      |      | 103                |      |      |      |                             | 1.6  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 3                             | 2.4  | 96            |     |     |     |     | 6   |     |     |     |     | 67              |     |      |      |      | 142  |      |      |      |      | 2                  |      |      |      |                             | 2.4  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 4                             | 3.2  | 73            |     |     |     |     | 140 |     |     |     |     | 144             |     |      |      |      | 98   |      |      |      |      | 138                |      |      |      |                             | 3.2  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 5                             | 4.0  |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 4.0  |  |  |  |
| 6                             | 4.8  |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 4.8  |  |  |  |
| 7                             | 5.6  | 38            |     |     |     |     | 3   |     |     |     |     | 105             |     |      |      |      | 42   |      |      |      |      | 145                |      |      |      |                             | 5.6  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 8                             | 6.4  | 32            |     |     |     |     | 139 |     |     |     |     | 133             |     |      |      |      | 122  |      |      |      |      | 160                |      |      |      |                             | 6.4  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 9                             | 7.2  | 9             |     |     |     |     | 21  |     |     |     |     | 99              |     |      |      |      | 91   |      |      |      |      | 151                |      |      |      |                             | 7.2  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 10                            | 8.0  | 29            |     |     |     |     | 8   |     |     |     |     | 83              |     |      |      |      | 59   |      |      |      |      | 95                 |      |      |      |                             | 8.0  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 11                            | 8.8  |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 8.8  |  |  |  |
| 12                            | 9.6  | 62            |     |     |     |     | 22  |     |     |     |     | 78              |     |      |      |      | 61   |      |      |      |      | 147                |      |      |      |                             | 9.6  |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 13                            | 10.4 | 117           |     |     |     |     | 28  |     |     |     |     | 157             |     |      |      |      | 51   |      |      |      |      | 153                |      |      |      |                             | 10.4 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 14                            | 11.2 | 75            |     |     |     |     | 58  |     |     |     |     | 40              |     |      |      |      | 5    |      |      |      |      | 57                 |      |      |      |                             | 11.2 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 15                            | 12.0 | 129           |     |     |     |     | 35  |     |     |     |     | 86              |     |      |      |      | 110  |      |      |      |      | 17                 |      |      |      |                             | 12.0 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 16                            | 12.8 |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 12.8 |  |  |  |
| 17                            | 13.6 | 118           |     |     |     |     | 112 |     |     |     |     | 46              |     |      |      |      | 108  |      |      |      |      | 126                |      |      |      |                             | 13.6 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 18                            | 14.4 | 130           |     |     |     |     | 94  |     |     |     |     | 11              |     |      |      |      | 152  |      |      |      |      | 148                |      |      |      |                             | 14.4 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 19                            | 15.2 | 43            |     |     |     |     | 54  |     |     |     |     | 41              |     |      |      |      | 88   |      |      |      |      | 158                |      |      |      |                             | 15.2 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 20                            | 16.0 | 27            |     |     |     |     | 7   |     |     |     |     | 48              |     |      |      |      | 136  |      |      |      |      | 79                 |      |      |      |                             | 16.0 |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| 21                            | 16.8 | NORMAL COLON  |     |     |     |     |     |     |     |     |     | NORMAL PANCREAS |     |      |      |      |      |      |      |      |      | NORMAL ESOPHAGUS   |      |      |      |                             |      |  |  |  |  | NORMAL LUNG |  |  |  |                                   |  |  |  |  |  | 16.8 |  |  |  |
| 22                            | 17.6 |               |     |     |     |     |     |     |     |     |     |                 |     |      |      |      |      |      |      |      |      |                    |      |      |      |                             |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  | 17.6 |  |  |  |
| Y mm                          | 0    | 0.8           | 1.6 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 7.2 | 8.0 | 8.8             | 9.6 | 10.4 | 11.2 | 12.0 | 12.8 | 13.6 | 14.4 | 15.2 | 16.0 | 16.8               | 17.6 | 18.4 | 19.2 | 20.0 mm                     |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |
| X                             | 0    | 1             | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11              | 12  | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21                 | 22   | 23   | 24   | 25                          |      |  |  |  |  |             |  |  |  |                                   |  |  |  |  |  |      |  |  |  |

|                  |      |                                     |     |     |     |                                      |     |     |     |                                      |     |     |     |                                     |      |      |      |                                      |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
|------------------|------|-------------------------------------|-----|-----|-----|--------------------------------------|-----|-----|-----|--------------------------------------|-----|-----|-----|-------------------------------------|------|------|------|--------------------------------------|------|------|------|------|------|------|------|-------------|--|--|--|--|--|--|--|
| Microarray Name: |      | UVA CC TMA-2                        |     |     |     | 4 Replicate Blocks: A,B,C,D          |     |     |     | 0.6 mm punches on a 0.8 mm center    |     |     |     |                                     |      |      |      |                                      |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| X                | 0    | 1                                   | 2   | 3   | 4   | 5                                    | 6   | 7   | 8   | 9                                    | 10  | 11  | 12  | 13                                  | 14   | 15   | 16   | 17                                   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25          |  |  |  |  |  |  |  |
| Y mm             | 0    | 0.8                                 | 1.6 | 2.4 | 3.2 | 4.0                                  | 4.8 | 5.6 | 6.4 | 7.2                                  | 8.0 | 8.8 | 9.6 | 10.4                                | 11.2 | 12.0 | 12.8 | 13.6                                 | 14.4 | 15.2 | 16.0 | 16.8 | 17.6 | 18.4 | 19.2 | 20.0 mm     |  |  |  |  |  |  |  |
| 0                | 0    |                                     |     |     |     |                                      |     |     |     |                                      |     |     |     |                                     |      |      |      |                                      |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 1                | 0.8  | NORMAL KIDNEY                       |     |     |     |                                      |     |     |     | NORMAL LIVER                         |     |     |     |                                     |      |      |      | NORMAL ENDOMETRIUM                   |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 2                | 1.6  | COLORECTAL ADENOCARCINOMA           |     |     |     | OVARY- SEROUS CARCINOMA              |     |     |     | BLADDER UROTHELIAL CARCINOMA         |     |     |     | UTERUS (ENDOMETRIUM) ADENOCARCINOMA |      |      |      | PROSTATE ADENOCARCINOMA              |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 3                | 2.4  | BREAST- DUCTAL CARCINOMA            |     |     |     | LUNG- ADENOCARCINOMA                 |     |     |     | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  |     |     |     | COLORECTAL ADENOCARCINOMA           |      |      |      | HEAD&NECK SQUAMOUS CELL CARCINOMA    |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 4                | 3.2  | ESOPHAGUS- ADENOCARCINOMA           |     |     |     | BREAST- LOBULAR CARCINOMA            |     |     |     | COLORECTAL ADENOCARCINOMA            |     |     |     | STOMACH- AdCa, INTESTINAL TYPE      |      |      |      | LUNG- SMALL CELL CARCINOMA           |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 5                | 4.0  | LUNG- SQUAMOUS CELL CARCINOMA       |     |     |     | STOMACH- AdCa, INTESTINAL TYPE       |     |     |     | STOMACH- AdCa, SIGNET RING CELL TYPE |     |     |     | KIDNEY- RCC, CLEAR CELL             |      |      |      | BLADDER UROTHELIAL CARCINOMA         |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 6                | 4.8  |                                     |     |     |     |                                      |     |     |     |                                      |     |     |     |                                     |      |      |      |                                      |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 7                | 5.6  | ESOPHAGUS- SQUAMOUS CELL CARCINOMA  |     |     |     | LUNG- SMALL CELL CARCINOMA           |     |     |     | PANCREAS ADENOCARCINOMA              |     |     |     | HEAD&NECK SQUAMOUS CELL CARCINOMA   |      |      |      | STOMACH- AdCa, SIGNET RING CELL TYPE |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 8                | 6.4  | UTERUS (ENDOMETRIUM) ADENOCARCINOMA |     |     |     | STOMACH- AdCa, SIGNET RING CELL TYPE |     |     |     | BLADDER UROTHELIAL CARCINOMA         |     |     |     | PROSTATE ADENOCARCINOMA             |      |      |      | OVARY- SEROUS CARCINOMA              |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 9                | 7.2  | BREAST- LOBULAR CARCINOMA           |     |     |     | BILE DUCT- CHOLANGIOCARCINOMA        |     |     |     | ESOPHAGUS- ADENOCARCINOMA            |     |     |     | LIVER- HEPATOCELLULAR CARCINOMA     |      |      |      | STOMACH- AdCa, INTESTINAL TYPE       |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 10               | 8.0  | HEAD&NECK SQUAMOUS CELL CARCINOMA   |     |     |     | STOMACH- AdCa, SIGNET RING CELL TYPE |     |     |     | LUNG- ADENOCARCINOMA                 |     |     |     | HEAD&NECK SQUAMOUS CELL CARCINOMA   |      |      |      | COLORECTAL ADENOCARCINOMA            |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 11               | 8.8  |                                     |     |     |     |                                      |     |     |     |                                      |     |     |     |                                     |      |      |      |                                      |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 12               | 9.6  | KIDNEY- RCC, CLEAR CELL             |     |     |     | STOMACH- AdCa, INTESTINAL TYPE       |     |     |     | LUNG- SQUAMOUS CELL CARCINOMA        |     |     |     | UTERUS (ENDOMETRIUM) ADENOCARCINOMA |      |      |      | PANCREAS ADENOCARCINOMA              |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 13               | 10.4 | PROSTATE ADENOCARCINOMA             |     |     |     | ESOPHAGUS- SQUAMOUS CELL CARCINOMA   |     |     |     | LIVER- HEPATOCELLULAR CARCINOMA      |     |     |     | BILE DUCT- CHOLANGIOCARCINOMA       |      |      |      | ESOPHAGUS- ADENOCARCINOMA            |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 14               | 11.2 | LUNG- ADENOCARCINOMA                |     |     |     | COLORECTAL ADENOCARCINOMA            |     |     |     | HEAD&NECK SQUAMOUS CELL CARCINOMA    |     |     |     | LUNG- SMALL CELL CARCINOMA          |      |      |      | OVARY- SEROUS CARCINOMA              |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 15               | 12.0 | BLADDER UROTHELIAL CARCINOMA        |     |     |     | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  |     |     |     | BREAST- DUCTAL CARCINOMA             |     |     |     | KIDNEY- RCC, PAPILLARY              |      |      |      | KIDNEY- RCC, CHROMOPHOB              |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 16               | 12.8 |                                     |     |     |     |                                      |     |     |     |                                      |     |     |     |                                     |      |      |      |                                      |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 17               | 13.6 | PROSTATE ADENOCARCINOMA             |     |     |     | PANCREAS ADENOCARCINOMA              |     |     |     | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  |     |     |     | ESOPHAGUS- SQUAMOUS CELL CARCINOMA  |      |      |      | PROSTATE ADENOCARCINOMA              |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 18               | 14.4 | BLADDER UROTHELIAL CARCINOMA        |     |     |     | KIDNEY- RCC, CLEAR CELL              |     |     |     | LUNG- SMALL CELL CARCINOMA           |     |     |     | ESOPHAGUS- ADENOCARCINOMA           |      |      |      | PANCREAS ADENOCARCINOMA              |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 19               | 15.2 | COLORECTAL ADENOCARCINOMA           |     |     |     | LIVER- HEPATOCELLULAR CARCINOMA      |     |     |     | HEAD&NECK SQUAMOUS CELL CARCINOMA    |     |     |     | BREAST- DUCTAL CARCINOMA            |      |      |      | UTERUS (ENDOMETRIUM) ADENOCARCINOMA  |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 20               | 16.0 | OVARY- SEROUS CARCINOMA             |     |     |     | BREAST- LOBULAR CARCINOMA            |     |     |     | BILE DUCT- CHOLANGIOCARCINOMA        |     |     |     | BLADDER UROTHELIAL CARCINOMA        |      |      |      | LUNG- SQUAMOUS CELL CARCINOMA        |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| 21               | 16.8 | NORMAL COLON                        |     |     |     |                                      |     |     |     | NORMAL PANCREAS                      |     |     |     |                                     |      |      |      | NORMAL ESOPHAGUS                     |      |      |      |      |      |      |      | NORMAL LUNG |  |  |  |  |  |  |  |
| 22               | 17.6 |                                     |     |     |     |                                      |     |     |     |                                      |     |     |     |                                     |      |      |      |                                      |      |      |      |      |      |      |      |             |  |  |  |  |  |  |  |
| Y mm             | 0    | 0.8                                 | 1.6 | 2.4 | 3.2 | 4.0                                  | 4.8 | 5.6 | 6.4 | 7.2                                  | 8.0 | 8.8 | 9.6 | 10.4                                | 11.2 | 12.0 | 12.8 | 13.6                                 | 14.4 | 15.2 | 16.0 | 16.8 | 17.6 | 18.4 | 19.2 | 20.0 mm     |  |  |  |  |  |  |  |
| X                | 0    | 1                                   | 2   | 3   | 4   | 5                                    | 6   | 7   | 8   | 9                                    | 10  | 11  | 12  | 13                                  | 14   | 15   | 16   | 17                                   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25          |  |  |  |  |  |  |  |