| Sample   | Molecular subtype | Gender | Race              | Age  | Grade | Invasiveness | Pathologic stage | Follow up (months) | Current status (alive w/o disease, alive with disease, dead from disease, dead from other causes), NA | Smoking status | Pack a day | Years of smoking | Nucleotides | Amino Acids |
|----------|-------------------|--------|-------------------|------|-------|--------------|------------------|-------------------|-----------------------------------------------------------------------------------------------------------------|---------------|------------|------------------|-------------|-------------|
| 1        | MDA115            | Luminal| male              | 65.42| High  | yes          | T3N0M0           | 60.72             | alive w/o disease                                                                                 | No-Smoker     | NA         | NA               | NA          | NA          |
| 2        | MDA94             | Luminal| male              | 57.52| High  | yes          | T2N0M0           | 145.05            | alive w/o disease                                                                                 | No-Smoker     | NA         | NA               | NA          | c.839G>C, c.853G>A | p.R280T, p.E285K |
| 3        | MDA62             | Luminal| African American  | 62.74| High  | yes          | T1N0M0           | 12.10             | dead from other disease                                                                             | Active        | 1 pack     | 44               | NA          | NA          |
| 4        | MDA44*            | Luminal| male              | 60.63| High  | yes          | T1N0M0           | 23.15             | dead                                                                                              | Active        | 1 1/2 packs | 45               | NA          | c.811G>A | p.E271K |
| 5        | MDA7              | Luminal| male              | 62.79| High  | yes          | T1N0M0           | 161.80            | dead from other disease                                                                             | Former        | 48-pack-year | 45               | NA          | NA          |
| 6        | MDA150*           | Luminal| female            | 68.58| High  | yes          | T2N0M0           | 137.02            | alive w/o disease                                                                                 | Former        | 2-1/2 packs | NA               | c.473G>A | p.R158H |
| 7        | MDA32*            | Luminal| male              | 69.49| Low   | no           | TaN0M0           | 0.43              | alive w/o disease                                                                                 | No-Smoker     | NA         | 8                | NA          | NA          |
| 8        | MDA20             | Luminal| male              | 78.96| High  | yes          | T3N0M0           | 41.44             | dead                                                                                              | Former        | 7 cigarettes | 50               | NA          | NA          |
| 9        | MDA93*            | Luminal| African American  | 67.05| High  | yes          | T2N0M0           | 94.75             | dead                                                                                              | Active        | 1 pack     | 47               | NA          | NA          |
| 10       | MDA114*           | Luminal| female            | 68.90| High  | yes          | T3N0M0           | 33.34             | dead                                                                                              | Former        | 2 pack      | 9                | c.976G>A | p.E326K |
| 11       | MDA27*            | Luminal| female            | 35.72| Low   | no           | T2N0M0           | 53.11             | dead                                                                                              | Former        | NA         | NA               | NA          | NA          |
| 12       | MDA110*           | Luminal| female            | 81.76| High  | yes          | T4N1M0           | 69.77             | dead                                                                                              | No-Smoker     | NA         | NA               | NA          | NA          |
| 13       | MDA103*           | Luminal| male              | 59.04| High  | yes          | T4N0M0           | 116.39            | dead from other disease                                                                            | Active        | 2 packs     | NA               | c.589G>A | p.V197M |
| 14       | MDA50             | Luminal| female            | 70.42| High  | yes          | T2N1M0           | 51.74             | dead                                                                                              | No-Smoker     | NA         | NA               | NA          | NA          |
| 15       | MDA24             | Luminal| male              | 66.80| High  | yes          | T3N1M0           | 105.28            | dead                                                                                              | Former        | 80-pack-year | NA               | c.839G>A | p.R280K |
| 16       | MDA101*           | Luminal| male              | 82.52| High  | yes          | T3N1M0           | 96.66             | dead                                                                                              | Former        | 20-pack year | NA               | NA          | NA          |
| 17       | MDA2*             | Luminal| male              | 74.48| High  | yes          | T2N1M0           | 37.15             | dead                                                                                              | No-Smoker     | NA         | NA               | NA          | NA          |
| 18       | MDA106*           | Luminal| female            | 68.04| High  | yes          | T1N1M0           | 29.70             | alive w/o disease                                                                                 | Active        | 30-40 pack years | NA               | c.473G>A | p.R158H |
| 19       | MDA131*           | Luminal| male              | 58.76| Low   | no           | TaN0M0           | 47.34             | alive w/o disease                                                                                 | Active        | 20-pack-year | 4                | NA          | NA          |
| 20       | MDA36*            | Luminal| African American  | 54.01| Low   | yes          | T1N0M0           | 125.54            | dead                                                                                              | Former        | NA         | NA               | NA          | NA          |
| 21       | MDA6              | Luminal| female            | 47.57| Low   | no           | TaN0M0           | 146.16            | alive w/o disease                                                                                 | No-Smoker     | NA         | 45               | NA          | NA          |
| 22       | MDA139            | Luminal| male              | 69.07| High  | yes          | T1N0M0           | 2.23              | alive w/o disease                                                                                 | No-Smoker     | 1 and half pack | 30               | NA          | NA          |
| 23       | MDA105            | Luminal| female            | 70.36| Low   | no           | T2N1M0           | 9.93              | dead                                                                                              | Former        | 1-half pack | NA               | NA          | NA          |
| 24       | MDA82             | Luminal| male              | 69.11| Low   | no           | TaN0M0           | 142.36            | alive w/o disease                                                                                 | Former        | NA         | 13               | NA          | NA          |
| 25       | MDA132            | Luminal| male              | 63.35| High  | yes          | T4N0M1           | 47.18             | dead from other disease                                                                            | Active        | 1 pack      | 25               | NA          | NA          |
| 26       | MDA35*            | Luminal| male              | 65.72| Low   | no           | T4N0M1           | 148.23            | alive w/o disease                                                                                 | Former        | 1 pack      | NA               | NA          | NA          |
| 27       | MDA49             | Luminal| male              | 87.21| High  | yes          | T1N0M0           | 95.70             | dead                                                                                              | No-Smoker     | NA         | 54               | NA          | NA          |
| 28       | MDA127*           | Luminal| male              | 67.83| Low   | no           | TaN0M0           | 2.89              | alive w/o disease                                                                                 | Former        | 2 packs a day | NA               | NA          | NA          |
| 29       | MDA138*           | Luminal| male              | 54.13| Low   | no           | TaN0M0           | 122.85            | alive w/o disease                                                                                 | Former        | 30 pack years | NA               | NA          | NA          |
| 30       | MDA90*            | Luminal| male              | 55.76| High  | yes          | T0N0M0           | 100.46            | dead                                                                                              | No-Smoker     | NA         | NA               | NA          | NA          |
| 31       | MDA142*           | Luminal| Hispanic          | 53.79| Low   | no           | T0N0M0           | 41.44             | alive w/o disease                                                                                 | Active        | 1 pack      | 34               | NA          | NA          |
| 32       | MDA18             | Luminal| male              | 68.80| High  | yes          | T1N0M0           | 58.62             | dead from other disease                                                                            | Former        | 2 packs a day | NA               | NA          | NA          |
| 33       | MDA10*            | Luminal| Hispanic          | 68.10| High  | yes          | T0N0M0           | 2.46              | dead from other disease                                                                            | No-Smoker     | NA         | 4                | NA          | NA          |
| 34       | MDA137*           | Luminal| male              | 64.80| High  | yes          | T2N1M0           | 1.57              | dead                                                                                              | Former        | 1 pack      | NA               | NA          | NA          |
| 35       | MDA146*           | Luminal| female            | 69.99| High  | yes          | T1N0M0           | 50.07             | dead                                                                                              | No-Smoker     | NA         | 30               | NA          | NA          |
| 36       | MDA135            | Luminal| male              | 62.88| High  | yes          | T1N0M0           | 106.75            | alive                                                                                              | Former        | 1 pack      | NA               | NA          | NA          |
### Supplementary Table 2: Summary of Clinical and Pathological Data (MDACC fresh frozen cohort; n=132)

| Sample | Molecular subtype | Gender | Race               | Age | Grade | Invasiveness | Pathologic stage | Follow up (months) | Current status (alive w/o disease, alive with disease, dead from disease, dead from other causes), NA | Smoking status | Pack a day | Years of smoking | Nucleotides | Amino Acids |
|--------|-------------------|--------|-------------------|-----|-------|--------------|------------------|-------------------|-----------------------------------------------------------------|---------------|------------|------------------|-------------|-------------|
| 37     | MDA56*            | Luminal| female            | 92.40| High  | yes           | T1N0M0           | 66.62             | dead                                                            | No-Smoker     | NA         | NA               | c.455dup    | p.S153Alafs*28 |
| 38     | MDA102*           | Luminal| male              | 58.68| High  | yes           | T1N0M0           | 24.49             | alive w/o disease                                               | No-Smoker     | NA         | NA               | c.796C>A    | p.G266R     |
| 39     | MDA07*            | Luminal| male              | 72.97| High  | no            | T1N0M0           | 37.38             | alive w/o disease                                               | No-Smoker     | NA         | 43               |             |             |
| 40     | MDA129*           | Luminal| male              | 72.45| High  | yes           | T2N0M0           | 52.30             | dead                                                            | Active        | 1 pack    | NA               | c.4736G>A   | p.R158H     |
| 41     | MDA55*            | Luminal| male              | 76.34| High  | yes           | T4N2M0           | 18.36             | dead                                                            | No-Smoker     | NA         | NA               |             |             |
| 42     | MDA67             | Luminal| female            | 86.17| High  | yes           | T1N0M0           | 44.95             | dead                                                            | Active        | 59-pack-year | NA               |             |             |
| 43     | MDA26*            | Luminal| male              | 75.47| High  | no            | TaN1M0           | 125.02            | alive w/o disease                                               | No-Smoker     | NA         | NA               | c.637C>T, c.639A>G | p.R213*, p.R213= |
| 44     | MDA104*           | Luminal| male              | 65.67| High  | yes           | T1N0M0           | 121.25            | alive w/o disease                                               | No-Smoker     | NA         | NA               | c.993G>C    | p.Q331H     |
| 45     | MDA119            | Luminal| male              | 72.97| High  | yes           | TaN0M0           | 131.80            | alive w/o disease                                               | Former        | 25-pack-years | NA               |             |             |
| 46     | MDA123*           | Luminal| female            | 77.78| Low    | no            | TaN0M0           | 55.31             | alive w/o disease                                               | No-Smoker     | NA         | NA               |             |             |
| 47     | MDA19*            | Luminal| female            | 65.59| Low    | yes           | T1N0M0           | 170.33            | dead                                                            | Active        | NA         | NA               |             |             |
| 48     | MDA28*            | Luminal| female            | 49.62| Low    | yes           | T1N0M0           | 16.10             | dead from other                                                 | No-Smoker     | NA         | 42               |             |             |
| 49     | MDA65             | Luminal| male              | 58.53| Low    | no            | T1N0M0           | 26.43             | dead                                                            | Active        | 5 cigarettes to 1-1/2 packs | NA         |             |             |
| 50     | MDA78*            | Luminal| female            | 54.51| Low    | yes           | T4N0M0           | 93.77             | alive                                                           | Active        | 12 pack years | NA               |             |             |
| 51     | MDA23*            | Luminal| female            | 84.95| Low    | yes           | TaN0M0           | 12.33             | dead                                                            | No-Smoker     | NA         | NA               |             |             |
| 52     | MDA148*           | Luminal| female            | 57.90| Low    | no            | TaN0M0           | 26.03             | alive w/o disease                                               | Active        | 20 pack years | 22               |             |             |
| 53     | MDA145*           | Luminal| male              | 57.42| High   | yes           | T3N0M0           | 38.92             | alive w/o disease                                               | Active        | 1 pack      | 23               |             |             |
| 54     | MDA21*            | Luminal| male              | 67.97| Low    | no            | TaN0M0           | 118.95            | alive w/o disease                                               | Active        | 1 pack a day  | NA               |             |             |
| 55     | MDA22             | Luminal| male              | 67.97| Low    | no            | TaN0M0           | 64.30             | dead from other                                                 | Active        | 1/2 pack to 1 pack | NA         |             |             |
| 56     | MDA130*           | Luminal| female            | 42.53| High   | yes           | T3N0M0           | 191.34            | alive                                                          | Active        | NA         | 27               |             |             |
| 57     | MDA4*             | Luminal| male              | 44.14| High   | yes           | T0N0M0           | 59.90             | alive w/o disease                                               | Former        | 1 pack      | NA               | c.3987T>A   | p.M133K     |
| 58     | MDA87             | Luminal| male              | 73.01| High   | no            | T1N0M0           | 12.03             | dead from other                                                 | Former        | 90-pack year | 30               |             |             |
| 59     | MDA75             | Luminal| female            | 74.79| Low    | no            | TaN0M0           | 34.07             | dead                                                            | Active        | 1 pack      | NA               |             |             |
| 60     | MDA86             | Luminal| male              | 80.00| Low    | no            | NA               | NA                | NA                                                              | NA           | NA         | NA               |             |             |
| 61     | MDA79*            | Luminal| female            | 40.95| Low    | no            | TaN0M0           | 25.84             | alive w/o disease                                               | No-Smoker     | NA         | NA               |             |             |
| 62     | MDA1*             | Luminal| male              | 69.15| Low    | no            | TaN0M1           | 99.70             | alive w/o disease                                               | Active        | 1 pack      | 29               |             |             |
| 63     | MDA52             | Luminal| male              | 56.02| High   | yes           | T1N0M0           | 50.43             | dead                                                            | Former        | 1 pack      | 57               |             |             |
| 64     | MDA37*            | Luminal| female            | 75.90| Low    | no            | TaN0M1           | 32.43             | dead                                                            | Active        | 1 pack      | NA               | c.1088G>A, c.2135C>G | p.P366, p.P372R |
| 65     | MDA64*            | Luminal| female            | 57.74| High   | yes           | T1N0M0           | 15.77             | dead from disease                                               | No-Smoker     | NA         | 30               |             |             |
| 66     | MDA126            | Luminal| male              | 51.30| High   | yes           | T0N0M0           | 116.13            | alive w/o disease                                               | Active        | 1 pack      | NA               |             |             |
| 67     | MDA124*           | Luminal| male              | 53.35| High   | yes           | T1N0M0           | 39.67             | alive w/o disease                                               | No-Smoker     | NA         | 30               |             |             |
| 68     | MDA8*             | Luminal| male              | 82.89| High   | yes           | T2N0M0           | 7.54              | dead from disease                                               | Former        | 1/2 pack    | NA               |             |             |
| 69     | MDA95*            | Luminal| male              | 71.46| High   | yes           | T3N0M0           | 146.39            | alive w/o disease                                               | No-Smoker     | NA         | NA               |             |             |
| 70     | MDA121*           | Luminal| male              | 65.65| Low    | no            | TaN0M0           | 132.16            | alive w/o disease                                               | No-Smoker     | NA         | 42               |             |             |
| 71     | MDA122            | Luminal| male              | 57.05| Low    | no            | TaN0M0           | 73.21             | alive w/o disease                                               | Active        | 4 packs a day | 30               |             |             |
| 72     | MDA71*            | Luminal| female            | 67.13| High   | yes           | T3N1M0           | 12.79             | dead from disease                                               | Active        | 1-1/2 pack  | NA               |             |             |
## Supplementary Table 2: Summary of Clinical and Pathological Data (MDACC fresh frozen cohort; n=132)

| Sample | Molecular subtype | Gender  | Race       | Age | Grade | Invasiveness | Current status (alive w/o disease, alive with disease, dead from disease, dead from other causes, NA) | Smoking status | Pack a day | Years of smoking | Nucleotides | Amino Acids |
|--------|------------------|---------|------------|-----|-------|--------------|-------------------------------------------------------------------------------------------------|---------------|------------|-----------------|-------------|-------------|
| 73     | MDA25            | Luminal | Caucasian  | 83.29 | Low   | no            | T3N0M0 114.46 dead from other causes Former 23 pack-year 50 c.839G>C p.R280T | No-Smoker     | NA         |                 |             |             |
| 74     | MDA60            | Luminal | Caucasian  | 66.35 | High  | yes           | T3N0M0 25.21 dead Former Yes 1-1/2 pack NA | No-Smoker     | NA         |                 |             |             |
| 75     | MDA147           | Luminal | Caucasian  | 44.94 | Low   | yes           | T1N0M0 114.75 dead from disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 76     | MDA46            | Luminal | Caucasian  | 73.54 | High  | no            | T3N1M0 46.20 dead from disease Former 40-pack-year 53 c.832G>A p.E285K | No-Smoker     | NA         |                 |             |             |
| 77     | MDA92            | Luminal | Caucasian  | 73.23 | High  | yes           | T1N0M0 21.87 dead from other causes Former 1-3 packs 52 | No-Smoker     | NA         |                 |             |             |
| 78     | MDA96            | Luminal | Caucasian  | 70.70 | High  | yes           | T1N0M0 136.36 alive w/o disease Former 1-pack NA | No-Smoker     | NA         |                 |             |             |
| 79     | MDA98            | Luminal | Caucasian  | 65.26 | Low   | no            | T3N0M0 30.66 alive Former 1 pack NA | No-Smoker     | NA         |                 |             |             |
| 80     | MDA140           | Luminal | Caucasian  | 71.95 | High  | yes           | T3N1M0 8.69 dead from disease Former 1 pack NA | No-Smoker     | NA         |                 |             |             |
| 81     | MDA113*          | Luminal | Caucasian  | 77.45 | High  | yes           | T1N0M0 142.33 alive w/o disease Former 15 pack-year NA | No-Smoker     | NA         |                 |             |             |
| 82     | MDA89*           | Luminal | Caucasian  | 78.98 | High  | no            | T2N0M0 18.49 alive w/o disease Former 40-pack-year NA | No-Smoker     | NA         |                 |             |             |
| 83     | MDA88*           | Luminal | Caucasian  | 75.36 | Low   | no            | T3N0M0 116.43 dead Former 60-pack-year NA | No-Smoker     | NA         |                 |             |             |
| 84     | MDA111*          | Luminal | Caucasian  | 83.06 | High  | yes           | T2N0M0 89.38 dead Former 22 pack year 33 | No-Smoker     | NA         |                 |             |             |
| 85     | MDA29*           | Luminal | Caucasian  | 51.25 | Low   | no            | T3N0M0 46.85 alive w/o disease Former 2 packs NA | No-Smoker     | NA         |                 |             |             |
| 86     | MDA108           | Luminal | Caucasian  | 67.82 | High  | yes           | T1N1M0 51.57 alive w/o disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 87     | MDA149           | Luminal | Caucasian  | 75.68 | High  | yes           | T3N1M0 16.85 dead No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 88     | MDA38*           | Luminal | Caucasian  | 53.66 | High  | yes           | T3N0M0 241.11 dead No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 89     | MDA85*           | Luminal | Caucasian  | 81.24 | High  | yes           | T3N0M0 50.00 dead Former 2 packs 40 | No-Smoker     | NA         |                 |             |             |
| 90     | MDA74*           | Luminal | Caucasian  | 73.67 | High  | yes           | T3N0M0 81.31 dead Former 2 packs 44 | No-Smoker     | NA         |                 |             |             |
| 91     | MDA141           | Luminal | Caucasian  | 62.29 | High  | yes           | T3N1M0 71.15 alive w/o disease p.E285K 30 cigarettes a day NA | No-Smoker     | NA         |                 |             |             |
| 92     | MDA41            | Luminal | Caucasian  | 64.85 | Low   | no            | T3N0M0 105.64 alive w/o disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 93     | MDA47            | Basal   | African American | 55.68 | High  | yes           | T1N0M0 60.62 alive w/o disease Former 1 pack 29 | No-Smoker     | NA         |                 |             |             |
| 94     | MDA54*           | Basal   | African American | 66.96 | High  | yes           | T2N0M1 15.77 dead Former 10 cigarettes NA | No-Smoker     | NA         |                 |             |             |
| 95     | MDA120           | Basal   | African American | 69.11 | High  | yes           | T3N2M0 6.20 dead from disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 96     | MDA12            | Basal   | African American | 40.87 | High  | yes           | T2N2M1 25.41 dead from disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 97     | MDA59*           | Basal   | African American | 62.93 | High  | yes           | T2N2M1 15.93 alive with disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 98     | MDA51*           | Basal   | African American | 84.22 | High  | yes           | T3N0M0 7.97 dead No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 99     | MDA134*          | Basal   | African American | 67.98 | High  | yes           | T2N1M0 4.95 dead from disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 100    | MDA77*           | Basal   | African American | 88.93 | High  | yes           | T3N0M0 3.61 dead cause No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 101    | MDA14*           | Basal   | African American | 54.70 | High  | yes           | T2N1M0 68.69 dead cause No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 102    | MDA133*          | Basal   | African American | 65.38 | High  | yes           | T3N0M0 85.05 alive w/o disease Former 1-1/2 packs 50 | No-Smoker     | NA         |                 |             |             |
| 103    | MDA70            | Basal   | Caucasian  | 60.11 | High  | yes           | T3N0M0 86.46 dead Former 4-6 cigarettes 30 | No-Smoker     | NA         |                 |             |             |
| 104    | MDA30            | Basal   | Hispanic   | 70.92 | High  | yes           | T4N2M0 9.97 dead No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 105    | MDA63*           | Basal   | Caucasian  | 78.66 | High  | yes           | T2N0M1 3.41 dead from disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 106    | MDA112           | Basal   | Caucasian  | 52.35 | High  | yes           | T2N0M1 60.66 dead from disease No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 107    | MDA33            | Basal   | Female     | 73.24 | High  | yes           | T3N0M0 14.66 dead No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| 108    | MDA118           | Basal   | Male       | 68.90 | High  | yes           | T3N0M0 6.23 dead No-Smoker NA | No-Smoker     | NA         |                 |             |             |
| Sample | Molecular subtype | Gender | Race                  | Age  | Grade | Invasiveness | Pathologic stage | Follow up (months) | Current status (alive w/o disease, alive with disease, dead from disease, dead from other causes), NA | Smoking status | Pack a day | Years of smoking | Nucleotides | Amino Acids |
|--------|------------------|--------|----------------------|------|-------|-------------|------------------|------------------|-----------------------------------------------------------------------------------------------------------------|---------------|------------|-----------------|------------|------------|
| 109    | MDA11 Basal      | female | African American     | 78.77| High  | yes          | T3N0M0           | 20.33            | dead from disease                                                                                             | Active        | 1 pack    | 38              |            |            |
| 110    | MDA31* Basal     | female | Caucasian            | 63.02| High  | yes          | T3N0M0           | 59.25            | alive w/o disease                                                                                             | Former        | NA        | 34              |            |            |
| 111    | MDA48 Basal      | male   | Caucasian            | 72.15| High  | no           | T4N0M0           | 42.92            | dead                                                                                                          | Former        | NA        | 4               |            |            |
| 112    | MDA128* Basal    | female | Caucasian            | 65.55| Low   | yes          | T1N0M0           | 18.62            | dead from disease                                                                                             | Former        | NA        | NA              |            |            |
| 113    | MDA43* Basal     | male   | Caucasian            | 65.48| High  | yes          | T4N0M0           | 127.48           | alive w/o disease                                                                                              | No-Smoker     | NA        | NA              |            |            |
| 114    | MDA57* Basal     | female | Caucasian            | 66.39| High  | yes          | T4N0M1           | 21.31            | dead from disease                                                                                             | No-Smoker     | NA        | NA              |            |            |
| 115    | MDA49* Basal     | female | Caucasian            | 89.05| High  | yes          | T2N0M0           | 3.87             | dead                                                                                                          | Active        | NA        | 30              | c.108G>A  | p.P36=   |
| 116    | MDA5* Basal      | male   | Caucasian            | 76.88| High  | yes          | T2N0M1           | 1.70             | dead from disease                                                                                             | Former        | 1-1/2 packs | NA              | c.722C>G  | p.S241C  |
| 117    | MDA58* Basal     | male   | African American     | 66.09| High  | no           | T3N0M0           | 8.10             | dead from disease                                                                                             | No-Smoker     | NA        | NA              | c.991C>T  | p.Q331*  |
| 118    | MDA42 Basal      | female | African American     | 69.19| High  | yes          | T2N0M0           | 128.79           | alive w/o disease                                                                                              | No-Smoker     | NA        | NA              |            |            |
| 119    | MDA91* Basal     | female | Hispanic             | 82.83| High  | yes          | T3N0M0           | 45.08            | metatasis                                                                                                      | No-Smoker     | NA        | NA              | c.839G>C  | p.R280T  |
| 120    | MDA66 Basal      | female | African American     | 80.43| High  | yes          | T4N1M1           | 4.59             | dead from disease                                                                                             | No-Smoker     | NA        | NA              |            |            |
| 121    | MDA99 Basal      | male   | Caucasian            | 67.59| High  | yes          | T3N1M0           | 59.54            | alive w/o disease                                                                                              | No-Smoker     | NA        | NA              |            |            |
| 122    | MDA93* Basal     | male   | Caucasian            | 80.45| High  | yes          | T3N0M0           | 3.80             | cause                                                                                                          | Former        | 50-pack-years | 25          |            |            |
| 123    | MDA53* Basal     | male   | Caucasian            | 63.35| High  | yes          | T2N0M0           | 7.34             | dead from disease                                                                                              | Former        | 2 packs    | NA              |            |            |
| 124    | MDA61 Basal      | male   | Caucasian            | 68.36| High  | yes          | T2N1M0           | 32.82            | dead                                                                                                          | No-Smoker     | NA        | NA              | c.853G>A  | p.E285K  |
| 125    | MDA48 Basal      | female | Caucasian            | 58.92| High  | yes          | T2N1M1           | 6.52             | dead from disease                                                                                              | Active        | 10 pack-year | NA              |            |            |
| 126    | MDA72 Basal      | female | African American     | 77.29| High  | yes          | T3N0M0           | 109.18           | dead                                                                                                          | No-Smoker     | NA        | 44              | c.396G>C  | p.K132N  |
| 127    | MDA136* Basal    | male   | African American     | 82.03| High  | yes          | T4N0M1           | 4.75             | dead from disease                                                                                              | Former        | 1 pack    | 30              | c.584T>C  | p.I195T  |
| 128    | MDA109* Double   | female | Hispanic             | 60.67| High  | yes          | T3N0M0           | 14.89            | dead                                                                                                          | Former        | 1-1/2 packs | 35          |            |            |
| 129    | MDA143 Double    | male   | Caucasian            | 73.52| High  | yes          | T2N0M0           | 94.69            | dead                                                                                                          | Active        | NA        | NA              |            |            |
| 130    | MDA73 Double     | male   | Caucasian            | 53.79| High  | yes          | T2N1M0           | 61.54            | dead                                                                                                          | No-Smoker     | NA        | 40              |            |            |
| 131    | MDA69 Double     | male   | Caucasian            | 62.67| High  | yes          | T3N1M0           | 249.08           | dead                                                                                                          | Former        | NA        | NA              |            |            |
| 132    | MDA34 Double     | male   | Caucasian            | 68.12| Low   | no           | T4N0M0           | 100.52           | alive w/o disease                                                                                              | Former        | 30-pack-year   | NA           |            |            |

* Samples used to prepare routine pathology sections (MDACC FFPE whole-mount IHC cohort; n=74)