

**Table Expanded View 3. List of samples included in the cohort of normal lung tissues (n=360), with information on age, gender, smoking status ,and performance status, and immunohistochemical staining of ACE2.**

\* = 0, Fully active, able to carry on all pre-disease performance without restriction; 1, Restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature, e.g., light house work, office work; 2, Ambulatory and capable of all selfcare but unable to carry out any work activities. Up and about more than 50% of waking hours; 3, Capable of only limited selfcare, confined to bed or chair more than 50% of waking hours; 4, Completely disabled. Cannot carry on any selfcare. Totally confined to bed or chair.

| Individual | Age (years) | Gender<br>(F=female,<br>M=male) | Smoking (C=current,<br>F=former, N=never) | Performance status<br>(ECOG/WHO)* | Positive (+) or<br>negative (-) IHC<br>staining<br>MAB933 | Positive (+) or<br>negative (-) IHC<br>staining<br>HPA000288 |
|------------|-------------|---------------------------------|-------------------------------------------|-----------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| 1          | 78          | M                               | N                                         | 1                                 | -                                                         | -                                                            |
| 2          | 74          | M                               | F                                         | 1                                 | -                                                         | -                                                            |
| 3          | 74          | F                               | C                                         | 0                                 | -                                                         | -                                                            |
| 4          | 73          | M                               | C                                         | 1                                 | -                                                         | -                                                            |
| 5          | 74          | F                               | F                                         | 0                                 | -                                                         | -                                                            |
| 6          | 64          | M                               | N                                         | 0                                 | -                                                         | -                                                            |
| 7          | 64          | M                               | C                                         | 0                                 | -                                                         | -                                                            |
| 8          | 63          | F                               | F                                         | 0                                 | -                                                         | -                                                            |
| 9          | 61          | F                               | C                                         | 0                                 | -                                                         | -                                                            |
| 10         | 58          | F                               | N                                         | 0                                 | -                                                         | -                                                            |
| 11         | 83          | F                               | F                                         | 1                                 | -                                                         | -                                                            |
| 12         | 72          | F                               | F                                         | 0                                 | -                                                         | -                                                            |
| 13         | 71          | M                               | C                                         | 0                                 | -                                                         | -                                                            |
| 14         | 70          | F                               | N                                         | 0                                 | -                                                         | -                                                            |
| 15         | 70          | M                               | F                                         | 0                                 | -                                                         | -                                                            |
| 16         | 65          | M                               | C                                         | 0                                 | -                                                         | -                                                            |
| 17         | 61          | F                               | F                                         | 0                                 | -                                                         | -                                                            |
| 18         | 57          | F                               | C                                         | 1                                 | -                                                         | -                                                            |
| 19         | 47          | M                               | C                                         | 1                                 | -                                                         | -                                                            |
| 20         | 70          | M                               | F                                         | 1                                 | -                                                         | -                                                            |
| 21         | 80          | M                               | F                                         | 1                                 | -                                                         | -                                                            |
| 22         | 80          | M                               | F                                         | 0                                 | -                                                         | -                                                            |
| 23         | 78          | M                               | C                                         | 1                                 | -                                                         | -                                                            |
| 24         | 75          | F                               | C                                         | 1                                 | -                                                         | -                                                            |
| 25         | 74          | F                               | F                                         | 1                                 | -                                                         | -                                                            |
| 26         | 74          | F                               | C                                         | 2                                 | -                                                         | -                                                            |
| 27         | 71          | F                               | F                                         | 0                                 | -                                                         | -                                                            |
| 28         | 67          | M                               | F                                         | 0                                 | -                                                         | -                                                            |
| 29         | 65          | M                               | C                                         | 1                                 | -                                                         | -                                                            |
| 30         | 65          | M                               | C                                         | 0                                 | -                                                         | -                                                            |
| 31         | 64          | M                               | C                                         | 1                                 | -                                                         | -                                                            |
| 32         | 63          | M                               | C                                         | 2                                 | -                                                         | -                                                            |
| 33         | 62          | M                               | F                                         | 0                                 | -                                                         | -                                                            |
| 34         | 58          | F                               | N                                         | 0                                 | -                                                         | -                                                            |
| 35         | 52          | F                               | C                                         | 0                                 | -                                                         | -                                                            |
| 36         | 48          | M                               | C                                         | 1                                 | -                                                         | -                                                            |
| 37         | 46          | F                               | C                                         | 0                                 | -                                                         | -                                                            |
| 38         | 76          | F                               | C                                         | 0                                 | -                                                         | -                                                            |
| 39         | 75          | M                               | N                                         | 0                                 | -                                                         | -                                                            |
| 40         | 70          | M                               | C                                         | 0                                 | -                                                         | -                                                            |
| 41         | 67          | M                               | F                                         | 0                                 | -                                                         | -                                                            |
| 42         | 67          | F                               | F                                         | 0                                 | -                                                         | -                                                            |
| 43         | 66          | M                               | F                                         | 0                                 | -                                                         | -                                                            |
| 44         | 65          | F                               | C                                         | 0                                 | -                                                         | -                                                            |
| 45         | 53          | M                               | C                                         | 0                                 | -                                                         | -                                                            |
| 46         | 78          | F                               | C                                         | 0                                 | -                                                         | -                                                            |
| 47         | 76          | M                               | N                                         | 0                                 | -                                                         | -                                                            |
| 48         | 71          | M                               | C                                         | 1                                 | -                                                         | -                                                            |

|     |    |   |   |   |   |   |
|-----|----|---|---|---|---|---|
| 49  | 66 | F | C | 0 | - | - |
| 50  | 64 | F | C | 0 | - | - |
| 51  | 64 | M | C | 0 | - | - |
| 52  | 74 | M | N | 0 | - | - |
| 53  | 74 | F | C | 1 | - | - |
| 54  | 71 | F | C | 1 | - | - |
| 55  | 71 | F | C | 0 | - | - |
| 56  | 70 | F | C | 0 | - | - |
| 57  | 70 | F | C | 1 | - | - |
| 58  | 65 | M | C | 1 | - | - |
| 59  | 64 | F | F | 0 | - | - |
| 60  | 63 | M | N | 1 | - | - |
| 61  | 62 | M | F | 0 | - | - |
| 62  | 61 | F | C | 1 | - | - |
| 63  | 58 | M | C | 0 | - | - |
| 64  | 58 | M | C | 1 | - | - |
| 65  | 57 | M | C | 0 | - | - |
| 66  | 56 | F | C | 0 | - | - |
| 67  | 56 | M | C | 1 | - | - |
| 68  | 77 | M | C | 1 | - | - |
| 69  | 77 | M | F | 1 | - | - |
| 70  | 65 | F | F | 1 | - | - |
| 71  | 67 | M | C | 2 | - | - |
| 72  | 56 | F | N | 0 | - | - |
| 73  | 79 | F | F | 1 | - | - |
| 74  | 76 | F | C | 0 | - | - |
| 75  | 74 | M | F | 1 | - | - |
| 76  | 69 | F | F | 1 | - | - |
| 77  | 66 | M | F | 1 | - | - |
| 78  | 65 | M | F | 0 | - | - |
| 79  | 64 | M | F | 0 | - | - |
| 80  | 56 | M | F | 1 | - | - |
| 81  | 56 | M | C | 0 | - | - |
| 82  | 78 | M | F | 1 | - | - |
| 83  | 70 | F | N | 1 | - | - |
| 84  | 66 | F | N | 0 | - | - |
| 85  | 65 | M | C | 0 | - | - |
| 86  | 62 | M | F | 0 | - | - |
| 87  | 60 | F | N | 1 | - | - |
| 88  | 57 | M | F | 0 | - | - |
| 89  | 76 | F | C | 0 | - | - |
| 90  | 62 | M | C | 0 | - | - |
| 91  | 70 | F | F | 1 | - | - |
| 92  | 67 | M | F | 0 | - | - |
| 93  | 76 | F | F | 0 | - | - |
| 94  | 81 | F | N | 1 | - | - |
| 95  | 79 | F | N | 1 | - | - |
| 96  | 72 | M | C | 1 | - | - |
| 97  | 69 | M | C | 1 | - | - |
| 98  | 62 | F | C | 1 | - | - |
| 99  | 62 | M | C | 0 | - | - |
| 100 | 61 | F | C | 0 | - | - |
| 101 | 59 | F | F | 0 | - | - |
| 102 | 58 | M | F | 0 | - | - |
| 103 | 83 | F | N | 1 | - | - |
| 104 | 77 | F | C | 1 | - | - |
| 105 | 76 | F | F | 1 | - | - |
| 106 | 58 | M | C | 1 | - | - |
| 107 | 76 | M | N | 1 | - | - |
| 108 | 75 | M | C | 0 | - | - |
| 109 | 74 | M | F | 0 | - | - |

|     |    |   |   |   |   |   |
|-----|----|---|---|---|---|---|
| 110 | 70 | F | F | 2 | - | - |
| 111 | 67 | M | F | 0 | - | - |
| 112 | 63 | M | C | 1 | - | - |
| 113 | 71 | M | C | 1 | - | - |
| 114 | 51 | M | C | 0 | - | - |
| 115 | 61 | M | C | 1 | - | - |
| 116 | 78 | M | C | 0 | - | - |
| 117 | 60 | F | C | 0 | - | - |
| 118 | 74 | F | F | 0 | - | - |
| 119 | 71 | F | N | 0 | - | - |
| 120 | 80 | M | F | 0 | - | - |
| 121 | 62 | M | F | 1 | - | - |
| 122 | 75 | M | C | 2 | - | - |
| 123 | 69 | F | C | 1 | - | - |
| 124 | 70 | F | F | 0 | - | - |
| 125 | 67 | M | C | 1 | - | - |
| 126 | 74 | F | C | 0 | - | - |
| 127 | 55 | M | F | 0 | - | - |
| 128 | 59 | M | F | 0 | - | - |
| 129 | 73 | M | F | 0 | - | - |
| 130 | 64 | F | C | 0 | - | - |
| 131 | 63 | M | C | 0 | - | - |
| 132 | 80 | F | F | 0 | - | - |
| 133 | 72 | M | C | 1 | - | - |
| 134 | 75 | M | F | 1 | - | - |
| 135 | 54 | M | C | 0 | - | - |
| 136 | 68 | M | F | 0 | - | - |
| 137 | 55 | F | C | 0 | - | - |
| 138 | 68 | F | F | 1 | - | - |
| 139 | 70 | F | C | 1 | - | - |
| 140 | 79 | F | F | 1 | - | - |
| 141 | 61 | F | C | 0 | - | - |
| 142 | 74 | F | C | 1 | - | - |
| 143 | 76 | F | C | 0 | - | - |
| 144 | 63 | M | N | 0 | - | - |
| 145 | 60 | F | C | 0 | - | - |
| 146 | 65 | F | C | 1 | - | - |
| 147 | 69 | F | C | 0 | - | - |
| 148 | 70 | M | C | 1 | - | - |
| 149 | 77 | F | C | 0 | - | - |
| 150 | 73 | F | N | 1 | - | - |
| 151 | 61 | M | F | 0 | - | - |
| 152 | 65 | M | F | 1 | - | - |
| 153 | 69 | M | N | 0 | - | - |
| 154 | 67 | M | C | 1 | - | - |
| 155 | 66 | F | F | 1 | - | - |
| 156 | 67 | M | F | 0 | - | - |
| 157 | 67 | M | C | 1 | - | - |
| 158 | 80 | F | C | 1 | - | - |
| 159 | 63 | F | C | 1 | - | - |
| 160 | 69 | F | N | 0 | - | - |
| 161 | 62 | F | N | 1 | - | - |
| 162 | 82 | M | F | 1 | - | - |
| 163 | 75 | F | F | 1 | - | - |
| 164 | 62 | M | F | 0 | - | - |
| 165 | 58 | M | C | 0 | - | - |
| 166 | 60 | F | C | 0 | - | - |
| 167 | 65 | F | F | 1 | - | - |
| 168 | 66 | M | C | 0 | - | - |
| 169 | 66 | M | F | 0 | - | - |
| 170 | 62 | F | C | 0 | - | - |

|     |    |   |   |   |   |   |
|-----|----|---|---|---|---|---|
| 171 | 68 | M | C | 0 | - | - |
| 172 | 61 | F | C | 0 | - | - |
| 173 | 69 | F | F | 0 | - | - |
| 174 | 76 | F | C | 1 | - | - |
| 175 | 70 | F | N | 0 | - | - |
| 176 | 74 | F | F | 1 | - | - |
| 177 | 76 | F | C | 0 | - | - |
| 178 | 70 | M | C | 0 | - | - |
| 179 | 65 | F | F | 1 | - | - |
| 180 | 51 | F | N | 0 | - | - |
| 181 | 62 | F | C | 0 | - | - |
| 182 | 60 | M | C | 0 | - | - |
| 183 | 64 | F | F | 0 | - | - |
| 184 | 77 | F | C | 0 | - | - |
| 185 | 71 | F | F | 0 | - | - |
| 186 | 61 | F | F | 0 | - | - |
| 187 | 57 | M | C | 0 | - | - |
| 188 | 69 | M | N | 1 | - | - |
| 189 | 75 | M | C | 1 | - | - |
| 190 | 74 | F | C | 0 | - | - |
| 191 | 65 | F | C | 0 | - | - |
| 192 | 60 | F | C | 0 | - | - |
| 193 | 68 | F | N | 0 | - | - |
| 194 | 60 | M | N | 0 | - | - |
| 195 | 52 | M | C | 0 | - | - |
| 196 | 73 | F | C | 1 | - | - |
| 197 | 68 | F | F | 1 | - | - |
| 198 | 65 | M | C | 1 | - | - |
| 199 | 71 | M | C | 0 | - | - |
| 200 | 75 | M | F | 0 | - | - |
| 201 | 69 | M | C | 1 | - | - |
| 202 | 69 | M | C | 0 | - | - |
| 203 | 72 | F | F | 0 | - | - |
| 204 | 68 | F | C | 1 | - | - |
| 205 | 61 | M | C | 0 | - | - |
| 206 | 56 | M | C | 0 | - | - |
| 207 | 69 | F | C | 1 | - | - |
| 208 | 66 | M | F | 0 | - | - |
| 209 | 77 | F | C | 1 | - | - |
| 210 | 63 | M | C | 1 | - | - |
| 211 | 60 | M | F | 0 | + | + |
| 212 | 67 | M | C | 0 | - | - |
| 213 | 67 | F | C | 1 | - | - |
| 214 | 64 | F | C | 0 | - | - |
| 215 | 76 | M | F | 0 | - | - |
| 216 | 77 | M | F | 1 | - | - |
| 217 | 56 | F | C | 0 | - | - |
| 218 | 74 | M | F | 1 | - | - |
| 219 | 59 | F | F | 0 | - | - |
| 220 | 73 | M | F | 1 | - | - |
| 221 | 68 | M | C | 0 | - | - |
| 222 | 75 | F | C | 0 | - | - |
| 223 | 67 | M | C | 0 | - | - |
| 224 | 69 | M | F | 1 | - | - |
| 225 | 74 | F | F | 1 | - | - |
| 226 | 49 | F | C | 0 | - | - |
| 227 | 64 | M | C | 0 | - | - |
| 228 | 64 | F | N | 0 | - | - |
| 229 | 75 | M | F | 1 | - | - |
| 230 | 69 | F | N | 0 | - | - |
| 231 | 64 | F | C | 0 | - | - |

|     |    |   |   |   |   |   |
|-----|----|---|---|---|---|---|
| 232 | 74 | F | F | 0 | - | - |
| 233 | 60 | M | C | 0 | - | - |
| 234 | 49 | F | C | 1 | - | - |
| 235 | 62 | M | C | 0 | - | - |
| 236 | 59 | F | C | 0 | - | - |
| 237 | 65 | M | F | 0 | - | - |
| 238 | 61 | M | F | 0 | - | - |
| 239 | 82 | M | C | 1 | - | - |
| 240 | 72 | M | F | 0 | - | - |
| 241 | 60 | M | F | 0 | - | - |
| 242 | 84 | M | F | 1 | - | - |
| 243 | 65 | F | C | 1 | - | + |
| 244 | 80 | M | F | 1 | - | - |
| 245 | 69 | F | F | 0 | - | - |
| 246 | 58 | M | F | 1 | - | - |
| 247 | 66 | M | F | 1 | - | - |
| 248 | 59 | M | F | 1 | - | - |
| 249 | 67 | M | F | 1 | - | - |
| 250 | 60 | M | F | 0 | - | - |
| 251 | 76 | M | F | 0 | - | - |
| 252 | 68 | F | C | 0 | - | - |
| 253 | 75 | F | N | 0 | - | - |
| 254 | 64 | F | F | 1 | - | - |
| 255 | 62 | M | F | 1 | - | - |
| 256 | 72 | M | N | 0 | - | - |
| 257 | 77 | M | C | 0 | - | - |
| 258 | 65 | F | F | 0 | - | - |
| 259 | 75 | F | C | 0 | - | - |
| 260 | 67 | M | C | 1 | - | - |
| 261 | 66 | F | C | 1 | - | - |
| 262 | 73 | F | F | 0 | - | - |
| 263 | 55 | F | C | 1 | - | - |
| 264 | 55 | M | F | 0 | - | - |
| 265 | 78 | F | N | 1 | - | - |
| 266 | 67 | F | F | 1 | - | - |
| 267 | 54 | F | C | 1 | - | - |
| 268 | 77 | M | F | 1 | - | - |
| 269 | 74 | M | C | 0 | - | - |
| 270 | 66 | F | C | 1 | - | - |
| 271 | 65 | F | C | 0 | - | - |
| 272 | 67 | F | C | 0 | - | - |
| 273 | 66 | M | C | 0 | - | - |
| 274 | 59 | M | F | 0 | - | - |
| 275 | 63 | F | C | 1 | - | - |
| 276 | 76 | M | F | 1 | - | - |
| 277 | 60 | M | C | 0 | - | - |
| 278 | 66 | F | C | 0 | - | - |
| 279 | 62 | F | C | 0 | - | - |
| 280 | 62 | M | C | 1 | - | - |
| 281 | 68 | F | C | 1 | - | - |
| 282 | 77 | M | C | 1 | - | - |
| 283 | 63 | M | C | 0 | - | - |
| 284 | 64 | M | C | 1 | - | - |
| 285 | 48 | F | F | 1 | - | - |
| 286 | 72 | M | C | 0 | - | - |
| 287 | 64 | F | C | 1 | - | - |
| 288 | 67 | F | C | 0 | - | - |
| 289 | 57 | F | N | 0 | - | - |
| 290 | 73 | M | F | 0 | - | - |
| 291 | 79 | M | F | 1 | - | - |
| 292 | 73 | F | F | 0 | - | - |

|     |    |   |   |   |   |   |
|-----|----|---|---|---|---|---|
| 293 | 76 | F | F | 0 | - | - |
| 294 | 67 | M | F | 1 | - | - |
| 295 | 67 | F | C | 1 | - | - |
| 296 | 73 | F | F | 0 | - | - |
| 297 | 60 | F | F | 0 | - | - |
| 298 | 64 | F | N | 1 | - | - |
| 299 | 65 | F | C | 0 | - | - |
| 300 | 70 | M | C | 1 | - | - |
| 301 | 79 | F | F | 1 | - | - |
| 302 | 45 | F | N | 0 | - | - |
| 303 | 70 | M | F | 0 | - | - |
| 304 | 68 | F | N | 0 | - | - |
| 305 | 76 | M | N | 0 | - | - |
| 306 | 58 | M | F | 0 | - | - |
| 307 | 62 | F | C | 0 | - | - |
| 308 | 65 | F | F | 0 | - | - |
| 309 | 51 | F | C | 0 | - | - |
| 310 | 69 | F | F | 0 | - | - |
| 311 | 57 | F | F | 0 | - | - |
| 312 | 71 | F | C | 1 | - | - |
| 313 | 74 | M | F | 1 | - | - |
| 314 | 62 | M | C | 1 | - | - |
| 315 | 76 | F | F | 0 | - | - |
| 316 | 62 | F | F | 0 | - | - |
| 317 | 61 | M | F | 0 | - | - |
| 318 | 54 | F | N | 0 | - | - |
| 319 | 42 | F | N | 0 | - | - |
| 320 | 66 | M | F | 1 | - | - |
| 321 | 60 | F | C | 0 | - | - |
| 322 | 74 | F | F | 0 | - | - |
| 323 | 77 | M | C | 1 | - | - |
| 324 | 70 | M | F | 1 | - | - |
| 325 | 64 | M | C | 0 | - | - |
| 326 | 67 | F | C | 0 | - | - |
| 327 | 62 | F | C | 0 | - | - |
| 328 | 74 | M | F | 1 | - | - |
| 329 | 69 | M | F | 1 | - | - |
| 330 | 69 | M | F | 1 | - | - |
| 331 | 69 | F | C | 0 | - | - |
| 332 | 74 | M | F | 0 | - | - |
| 333 | 77 | M | C | 0 | - | - |
| 334 | 67 | F | F | 0 | - | - |
| 335 | 67 | F | N | 0 | - | - |
| 336 | 67 | M | N | 1 | - | - |
| 337 | 66 | F | F | 1 | - | - |
| 338 | 75 | F | C | 0 | - | - |
| 339 | 66 | F | C | 0 | - | - |
| 340 | 62 | F | C | 0 | - | - |
| 341 | 61 | F | C | 0 | - | - |
| 342 | 74 | M | F | 0 | - | - |
| 343 | 71 | F | F | 1 | - | - |
| 344 | 62 | F | C | 0 | - | - |
| 345 | 56 | F | C | 0 | - | - |
| 346 | 69 | F | C | 0 | - | - |
| 347 | 72 | F | C | 0 | - | - |
| 348 | 70 | F | C | 0 | - | - |
| 349 | 69 | M | C | 1 | - | - |
| 350 | 75 | M | C | 1 | - | - |
| 351 | 75 | F | C | 1 | - | - |
| 352 | 70 | M | C | 0 | - | - |
| 353 | 71 | F | F | 0 | - | - |

|                   |    |                                 |                                    |                                            |                          |                          |
|-------------------|----|---------------------------------|------------------------------------|--------------------------------------------|--------------------------|--------------------------|
| 354               | 73 | M                               | C                                  | 0                                          | -                        | -                        |
| 355               | 71 | M                               | C                                  | 0                                          | -                        | -                        |
| 356               | 62 | F                               | C                                  | 0                                          | -                        | -                        |
| 357               | 71 | M                               | F                                  | 0                                          | -                        | -                        |
| 358               | 77 | M                               | F                                  | 0                                          | -                        | -                        |
| 359               | 64 | F                               | C                                  | 0                                          | -                        | -                        |
| 360               | 56 | F                               | C                                  | 1                                          | -                        | -                        |
| <hr/>             |    |                                 |                                    |                                            |                          |                          |
| Mean (67.1 years) |    | Female (50.8%),<br>Male (49.2%) | C (50.8%), F (37.5%),<br>N (11.7%) | PS 0 (60.0%), PS 1<br>(38.6%), PS 2 (1.4%) | Positive cases<br>(0.3%) | Positive cases<br>(0.6%) |