

TCGA-LUSC cases used in the study analysis

| No | Tumor Sample Barcode |
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| 1 | TCGA-18-3406 |
| 2 | TCGA-18-3407 |
| 3 | TCGA-18-3408 |
| 4 | TCGA-18-3410 |
| 5 | TCGA-18-3411 |
| 6 | TCGA-18-3412 |
| 7 | TCGA-18-3414 |
| 8 | TCGA-18-3415 |
| 9 | TCGA-18-3416 |
| 10 | TCGA-18-3417 |
| 11 | TCGA-18-3419 |
| 12 | TCGA-18-3421 |
| 13 | TCGA-18-4083 |
| 14 | TCGA-18-4086 |
| 15 | TCGA-18-4721 |
| 16 | TCGA-18-5592 |
| 17 | TCGA-18-5595 |
| 18 | TCGA-21-1070 |
| 19 | TCGA-21-1071 |
| 20 | TCGA-21-1075 |
| 21 | TCGA-21-1076 |
| 22 | TCGA-21-1077 |
| 23 | TCGA-21-1078 |
| 24 | TCGA-21-1080 |
| 25 | TCGA-21-1081 |
| 26 | TCGA-21-1082 |
| 27 | TCGA-21-1083 |
| 28 | TCGA-21-5782 |
| 29 | TCGA-21-5783 |
| 30 | TCGA-21-5784 |
| 31 | TCGA-21-5786 |
| 32 | TCGA-21-5787 |
| 33 | TCGA-21-A5DI |
| 34 | TCGA-22-0940 |
| 35 | TCGA-22-0944 |
| 36 | TCGA-22-1000 |
| 37 | TCGA-22-1002 |
| 38 | TCGA-22-1005 |
| 39 | TCGA-22-1011 |
| 40 | TCGA-22-1012 |
| 41 | TCGA-22-1016 |
| 42 | TCGA-22-4591 |
| 43 | TCGA-22-4593 |

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| 44 | TCGA-22-4594 |
| 45 | TCGA-22-4595 |
| 46 | TCGA-22-4596 |
| 47 | TCGA-22-4599 |
| 48 | TCGA-22-4601 |
| 49 | TCGA-22-4604 |
| 50 | TCGA-22-4605 |
| 51 | TCGA-22-4607 |
| 52 | TCGA-22-4609 |
| 53 | TCGA-22-4613 |
| 54 | TCGA-22-5471 |
| 55 | TCGA-22-5472 |
| 56 | TCGA-22-5473 |
| 57 | TCGA-22-5474 |
| 58 | TCGA-22-5477 |
| 59 | TCGA-22-5478 |
| 60 | TCGA-22-5479 |
| 61 | TCGA-22-5480 |
| 62 | TCGA-22-5481 |
| 63 | TCGA-22-5482 |
| 64 | TCGA-22-5483 |
| 65 | TCGA-22-5485 |
| 66 | TCGA-22-5489 |
| 67 | TCGA-22-5491 |
| 68 | TCGA-22-5492 |
| 69 | TCGA-22-A5C4 |
| 70 | TCGA-33-4532 |
| 71 | TCGA-33-4533 |
| 72 | TCGA-33-4538 |
| 73 | TCGA-33-4547 |
| 74 | TCGA-33-4566 |
| 75 | TCGA-33-4582 |
| 76 | TCGA-33-4583 |
| 77 | TCGA-33-4586 |
| 78 | TCGA-33-4587 |
| 79 | TCGA-33-4589 |
| 80 | TCGA-33-6737 |
| 81 | TCGA-33-6738 |
| 82 | TCGA-33-A4WN |
| 83 | TCGA-33-A5GW |
| 84 | TCGA-33-AAS8 |
| 85 | TCGA-33-AASB |
| 86 | TCGA-33-AASD |
| 87 | TCGA-33-AASI |
| 88 | TCGA-33-AASJ |

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| 89 | TCGA-33-AASL |
| 90 | TCGA-34-2596 |
| 91 | TCGA-34-2600 |
| 92 | TCGA-34-2608 |
| 93 | TCGA-34-5231 |
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| 98 | TCGA-34-5240 |
| 99 | TCGA-34-5241 |
| 100 | TCGA-34-5927 |
| 101 | TCGA-34-5928 |
| 102 | TCGA-34-5929 |
| 103 | TCGA-34-7107 |
| 104 | TCGA-34-8454 |
| 105 | TCGA-34-8455 |
| 106 | TCGA-34-8456 |
| 107 | TCGA-34-A5IX |
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| 116 | TCGA-37-4141 |
| 117 | TCGA-37-5819 |
| 118 | TCGA-37-A5EL |
| 119 | TCGA-37-A5EM |
| 120 | TCGA-37-A5EN |
| 121 | TCGA-39-5011 |
| 122 | TCGA-39-5016 |
| 123 | TCGA-39-5019 |
| 124 | TCGA-39-5021 |
| 125 | TCGA-39-5022 |
| 126 | TCGA-39-5024 |
| 127 | TCGA-39-5027 |
| 128 | TCGA-39-5028 |
| 129 | TCGA-39-5029 |
| 130 | TCGA-39-5030 |
| 131 | TCGA-39-5031 |
| 132 | TCGA-39-5034 |
| 133 | TCGA-39-5035 |

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| 145 | TCGA-43-6143 |
| 146 | TCGA-43-6647 |
| 147 | TCGA-43-6770 |
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| 153 | TCGA-43-8115 |
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| 155 | TCGA-43-8118 |
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| 158 | TCGA-43-A56U |
| 159 | TCGA-43-A56V |
| 160 | TCGA-46-3765 |
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| 163 | TCGA-46-3769 |
| 164 | TCGA-46-6025 |
| 165 | TCGA-46-6026 |
| 166 | TCGA-51-4079 |
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| 169 | TCGA-51-6867 |
| 170 | TCGA-52-7622 |
| 171 | TCGA-52-7809 |
| 172 | TCGA-52-7810 |
| 173 | TCGA-52-7811 |
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| 175 | TCGA-56-1622 |
| 176 | TCGA-56-5897 |
| 177 | TCGA-56-5898 |
| 178 | TCGA-56-6545 |

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| 180 | TCGA-56-7221 |
| 181 | TCGA-56-7222 |
| 182 | TCGA-56-7223 |
| 183 | TCGA-56-7579 |
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| 203 | TCGA-56-8626 |
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| 205 | TCGA-56-8629 |
| 206 | TCGA-56-A49D |
| 207 | TCGA-56-A4BW |
| 208 | TCGA-56-A4BX |
| 209 | TCGA-56-A4BY |
| 210 | TCGA-56-A4ZJ |
| 211 | TCGA-56-A4ZK |
| 212 | TCGA-56-A5DR |
| 213 | TCGA-56-A5DS |
| 214 | TCGA-56-A62T |
| 215 | TCGA-58-8386 |
| 216 | TCGA-58-8387 |
| 217 | TCGA-58-8388 |
| 218 | TCGA-58-8390 |
| 219 | TCGA-58-8391 |
| 220 | TCGA-58-8392 |
| 221 | TCGA-58-8393 |
| 222 | TCGA-58-A46J |
| 223 | TCGA-58-A46K |

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| 224 | TCGA-58-A46L |
| 225 | TCGA-58-A46M |
| 226 | TCGA-58-A46N |
| 227 | TCGA-60-2695 |
| 228 | TCGA-60-2697 |
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| 240 | TCGA-60-2715 |
| 241 | TCGA-60-2716 |
| 242 | TCGA-60-2719 |
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| 245 | TCGA-60-2722 |
| 246 | TCGA-60-2723 |
| 247 | TCGA-60-2724 |
| 248 | TCGA-60-2725 |
| 249 | TCGA-60-2726 |
| 250 | TCGA-63-5128 |
| 251 | TCGA-63-5131 |
| 252 | TCGA-63-6202 |
| 253 | TCGA-63-7020 |
| 254 | TCGA-63-7021 |
| 255 | TCGA-63-7022 |
| 256 | TCGA-63-7023 |
| 257 | TCGA-63-A5M9 |
| 258 | TCGA-63-A5MB |
| 259 | TCGA-63-A5MG |
| 260 | TCGA-63-A5MH |
| 261 | TCGA-63-A5MI |
| 262 | TCGA-63-A5MJ |
| 263 | TCGA-63-A5ML |
| 264 | TCGA-63-A5MM |
| 265 | TCGA-63-A5MN |
| 266 | TCGA-63-A5MP |
| 267 | TCGA-63-A5MR |
| 268 | TCGA-63-A5MS |

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| 269 | TCGA-63-A5MT |
| 270 | TCGA-63-A5MU |
| 271 | TCGA-63-A5MV |
| 272 | TCGA-63-A5MW |
| 273 | TCGA-63-A5MY |
| 274 | TCGA-66-2727 |
| 275 | TCGA-66-2734 |
| 276 | TCGA-66-2742 |
| 277 | TCGA-66-2744 |
| 278 | TCGA-66-2754 |
| 279 | TCGA-66-2755 |
| 280 | TCGA-66-2756 |
| 281 | TCGA-66-2757 |
| 282 | TCGA-66-2758 |
| 283 | TCGA-66-2759 |
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| 290 | TCGA-66-2770 |
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| 309 | TCGA-66-2800 |
| 310 | TCGA-68-7755 |
| 311 | TCGA-68-7756 |
| 312 | TCGA-68-7757 |
| 313 | TCGA-68-8250 |

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| 314 | TCGA-68-8251 |
| 315 | TCGA-68-A59J |
| 316 | TCGA-6A-AB49 |
| 317 | TCGA-70-6722 |
| 318 | TCGA-70-6723 |
| 319 | TCGA-77-6842 |
| 320 | TCGA-77-6843 |
| 321 | TCGA-77-6844 |
| 322 | TCGA-77-6845 |
| 323 | TCGA-77-7138 |
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| 325 | TCGA-77-7140 |
| 326 | TCGA-77-7141 |
| 327 | TCGA-77-7142 |
| 328 | TCGA-77-7335 |
| 329 | TCGA-77-7337 |
| 330 | TCGA-77-7338 |
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| 347 | TCGA-77-8148 |
| 348 | TCGA-77-8150 |
| 349 | TCGA-77-8153 |
| 350 | TCGA-77-8154 |
| 351 | TCGA-77-8156 |
| 352 | TCGA-77-A5G1 |
| 353 | TCGA-77-A5G3 |
| 354 | TCGA-77-A5G6 |
| 355 | TCGA-77-A5G7 |
| 356 | TCGA-77-A5G8 |
| 357 | TCGA-77-A5GA |
| 358 | TCGA-77-A5GB |

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| 359 | TCGA-77-A5GF |
| 360 | TCGA-77-A5GH |
| 361 | TCGA-79-5596 |
| 362 | TCGA-85-6175 |
| 363 | TCGA-85-6560 |
| 364 | TCGA-85-6561 |
| 365 | TCGA-85-6798 |
| 366 | TCGA-85-7696 |
| 367 | TCGA-85-7697 |
| 368 | TCGA-85-7698 |
| 369 | TCGA-85-7699 |
| 370 | TCGA-85-7710 |
| 371 | TCGA-85-7843 |
| 372 | TCGA-85-7844 |
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| 382 | TCGA-85-8287 |
| 383 | TCGA-85-8288 |
| 384 | TCGA-85-8350 |
| 385 | TCGA-85-8351 |
| 386 | TCGA-85-8352 |
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| 388 | TCGA-85-8354 |
| 389 | TCGA-85-8355 |
| 390 | TCGA-85-8479 |
| 391 | TCGA-85-8481 |
| 392 | TCGA-85-8580 |
| 393 | TCGA-85-8582 |
| 394 | TCGA-85-8584 |
| 395 | TCGA-85-8664 |
| 396 | TCGA-85-8666 |
| 397 | TCGA-85-A4CL |
| 398 | TCGA-85-A4CN |
| 399 | TCGA-85-A4JB |
| 400 | TCGA-85-A4JC |
| 401 | TCGA-85-A4QQ |
| 402 | TCGA-85-A4QR |
| 403 | TCGA-85-A50M |

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| 404 | TCGA-85-A50Z |
| 405 | TCGA-85-A510 |
| 406 | TCGA-85-A511 |
| 407 | TCGA-85-A512 |
| 408 | TCGA-85-A513 |
| 409 | TCGA-85-A53L |
| 410 | TCGA-85-A5B5 |
| 411 | TCGA-90-7766 |
| 412 | TCGA-90-7767 |
| 413 | TCGA-90-7769 |
| 414 | TCGA-90-7964 |
| 415 | TCGA-90-A4EE |
| 416 | TCGA-90-A59Q |
| 417 | TCGA-92-7340 |
| 418 | TCGA-92-7341 |
| 419 | TCGA-92-8063 |
| 420 | TCGA-92-8064 |
| 421 | TCGA-92-8065 |
| 422 | TCGA-94-7033 |
| 423 | TCGA-94-7557 |
| 424 | TCGA-94-7943 |
| 425 | TCGA-94-8035 |
| 426 | TCGA-94-8490 |
| 427 | TCGA-94-8491 |
| 428 | TCGA-94-A4VJ |
| 429 | TCGA-94-A5I4 |
| 430 | TCGA-94-A5I6 |
| 431 | TCGA-96-7544 |
| 432 | TCGA-96-7545 |
| 433 | TCGA-96-8169 |
| 434 | TCGA-96-8170 |
| 435 | TCGA-96-A4JK |
| 436 | TCGA-96-A4JL |
| 437 | TCGA-98-7454 |
| 438 | TCGA-98-8020 |
| 439 | TCGA-98-8021 |
| 440 | TCGA-98-8022 |
| 441 | TCGA-98-8023 |
| 442 | TCGA-98-A538 |
| 443 | TCGA-98-A539 |
| 444 | TCGA-98-A53A |
| 445 | TCGA-98-A53B |
| 446 | TCGA-98-A53I |
| 447 | TCGA-98-A53J |
| 448 | TCGA-J1-A4AH |

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| 449 | TCGA-L3-A4E7 |
| 450 | TCGA-L3-A524 |
| 451 | TCGA-LA-A446 |
| 452 | TCGA-LA-A7SW |
| 453 | TCGA-MF-A522 |
| 454 | TCGA-NC-A5HD |
| 455 | TCGA-NC-A5HE |
| 456 | TCGA-NC-A5HF |
| 457 | TCGA-NC-A5HG |
| 458 | TCGA-NC-A5HH |
| 459 | TCGA-NC-A5HI |
| 460 | TCGA-NC-A5HJ |
| 461 | TCGA-NC-A5HK |
| 462 | TCGA-NC-A5HL |
| 463 | TCGA-NC-A5HM |
| 464 | TCGA-NC-A5HN |
| 465 | TCGA-NC-A5HO |
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| 467 | TCGA-NC-A5HQ |
| 468 | TCGA-NC-A5HR |
| 469 | TCGA-NC-A5HT |
| 470 | TCGA-NK-A5CR |
| 471 | TCGA-NK-A5CT |
| 472 | TCGA-NK-A5CX |
| 473 | TCGA-NK-A5D1 |
| 474 | TCGA-NK-A7XE |
| 475 | TCGA-O2-A52N |
| 476 | TCGA-O2-A52Q |
| 477 | TCGA-O2-A52S |
| 478 | TCGA-O2-A52V |
| 479 | TCGA-O2-A52W |
| 480 | TCGA-O2-A5IB |
| 481 | TCGA-XC-AA0X |