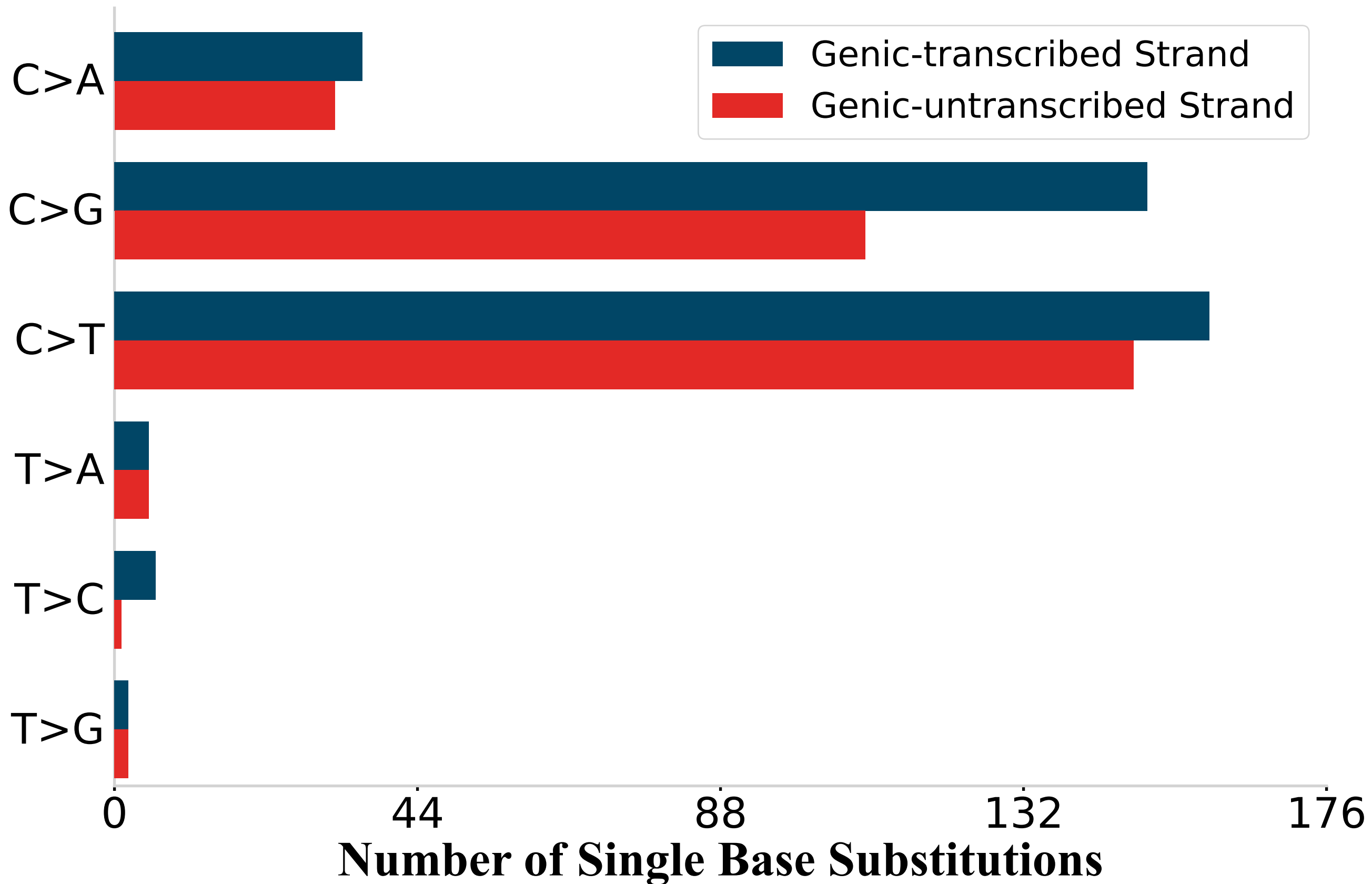
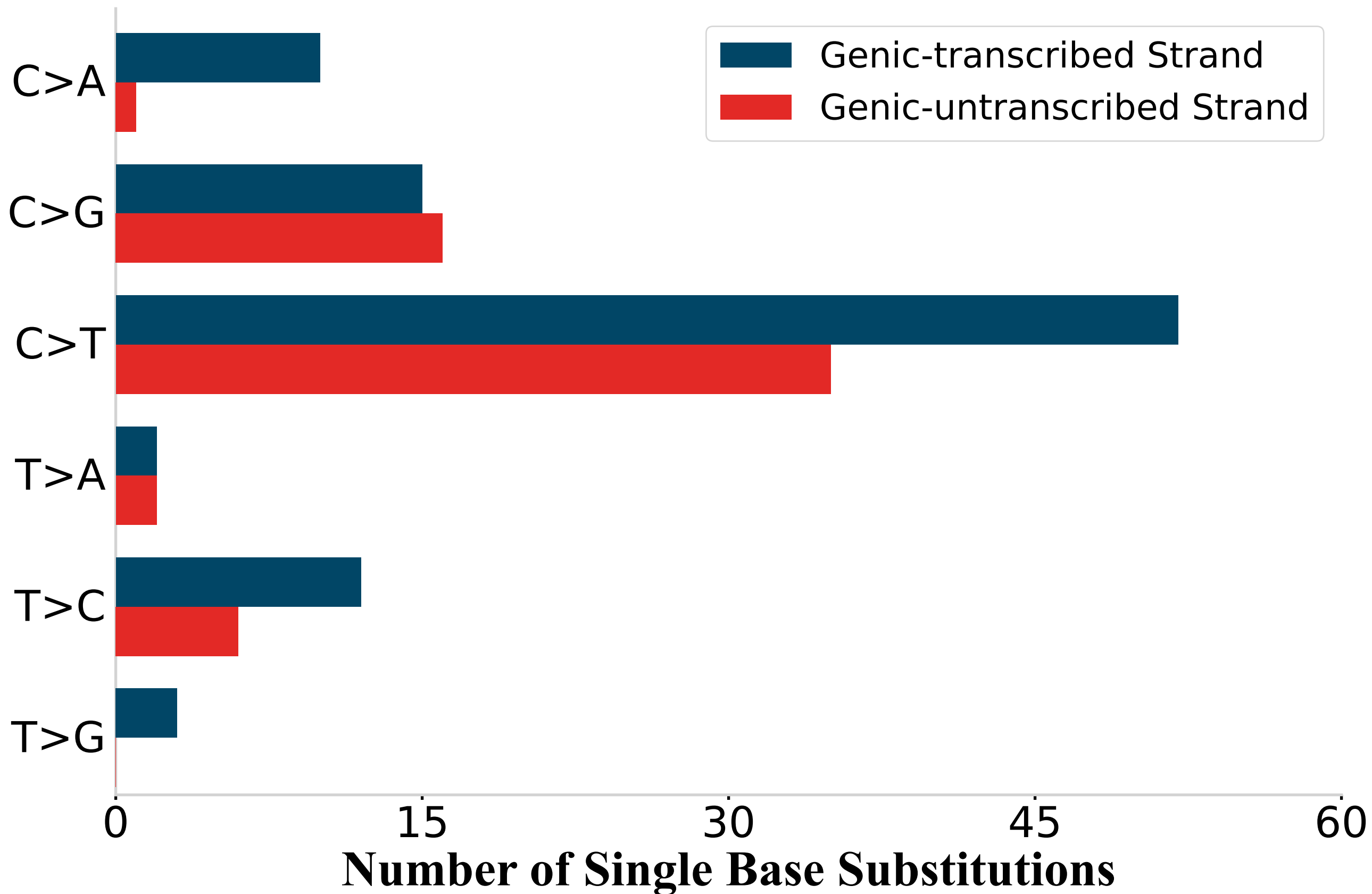


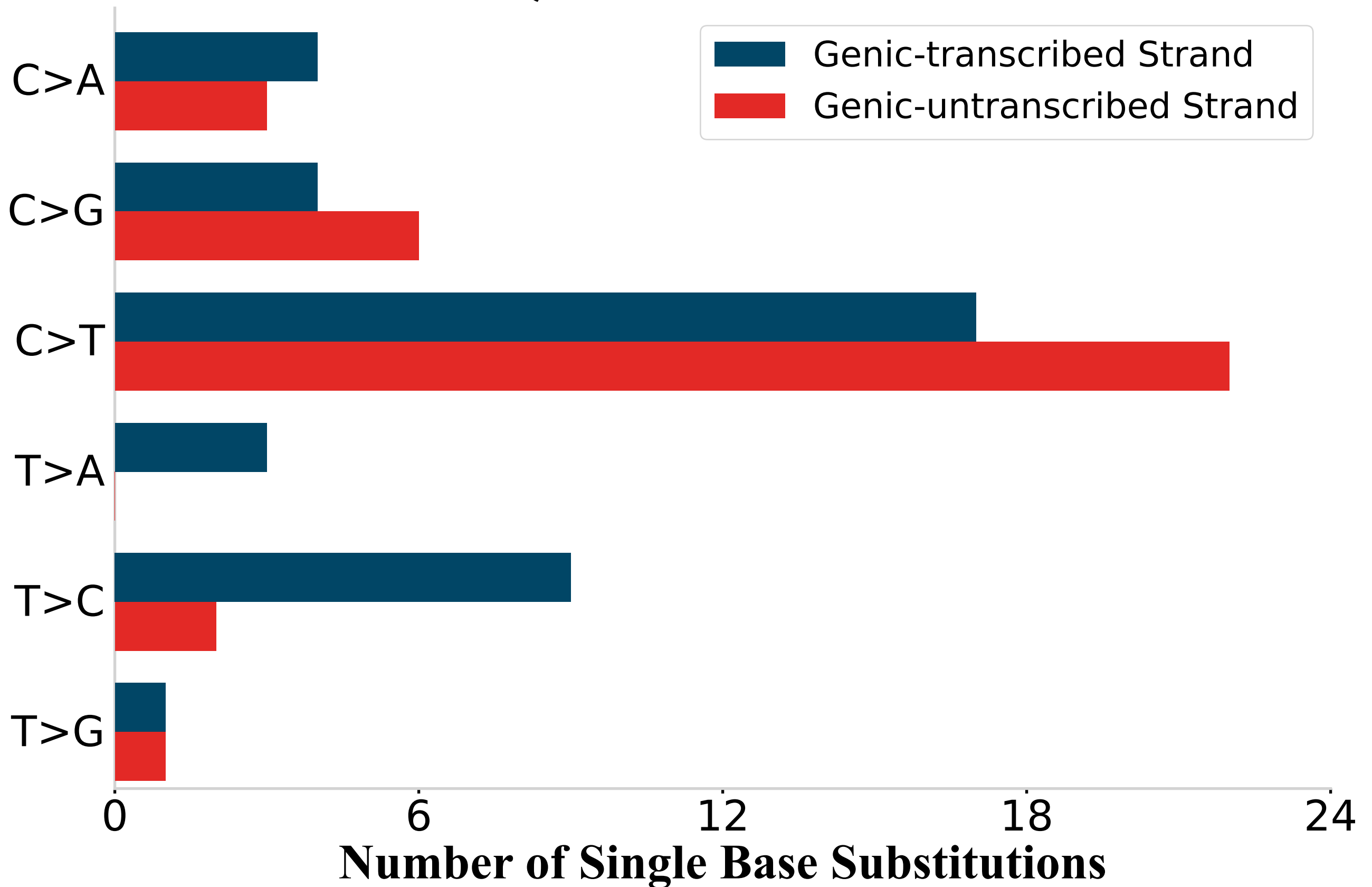
TCGA-2F-A9KO-01A-11D-A38G-08: 655 transcribed



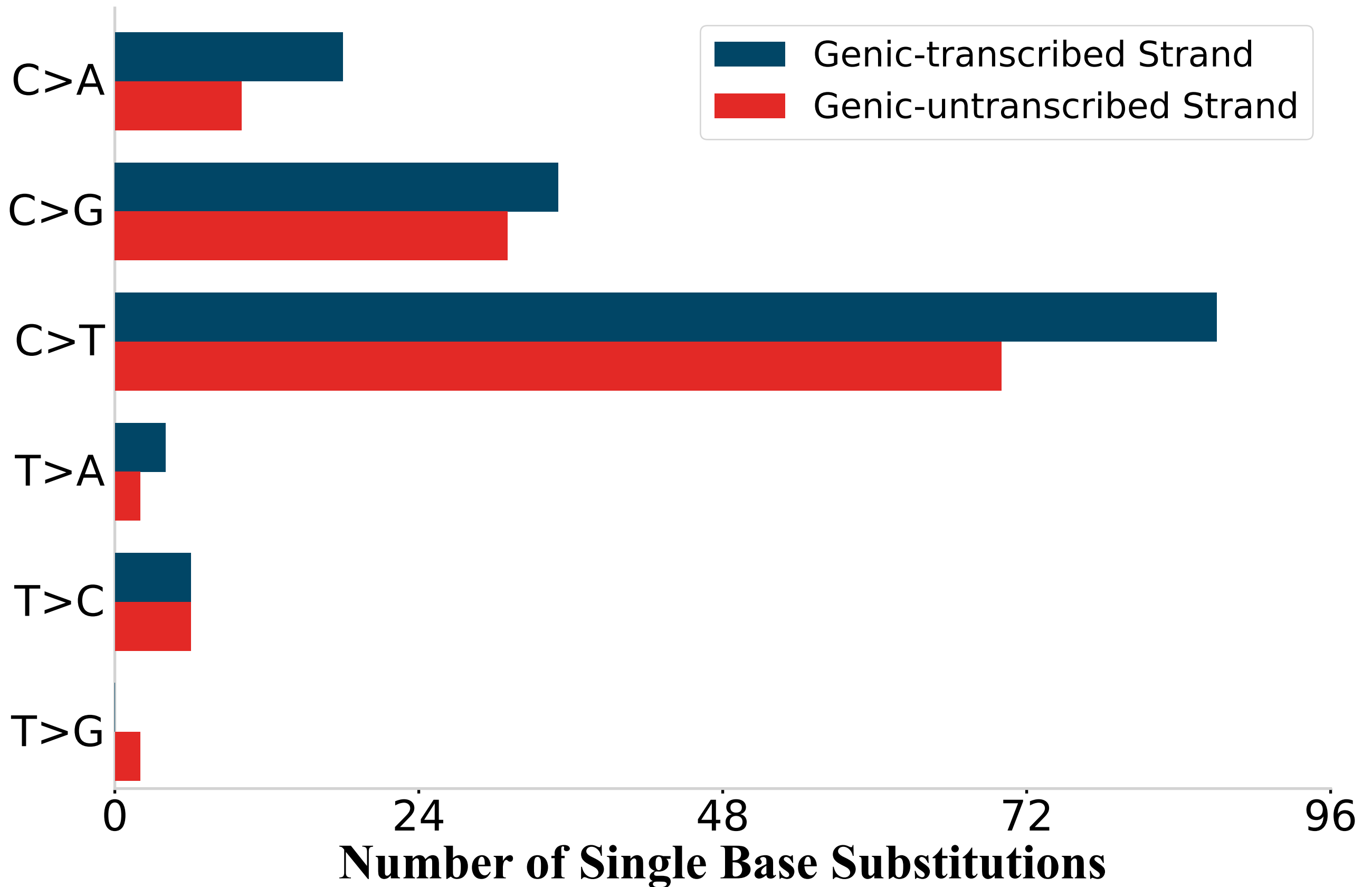
TCGA-2F-A9KP-01A-11D-A38G-08: 154 transcribed



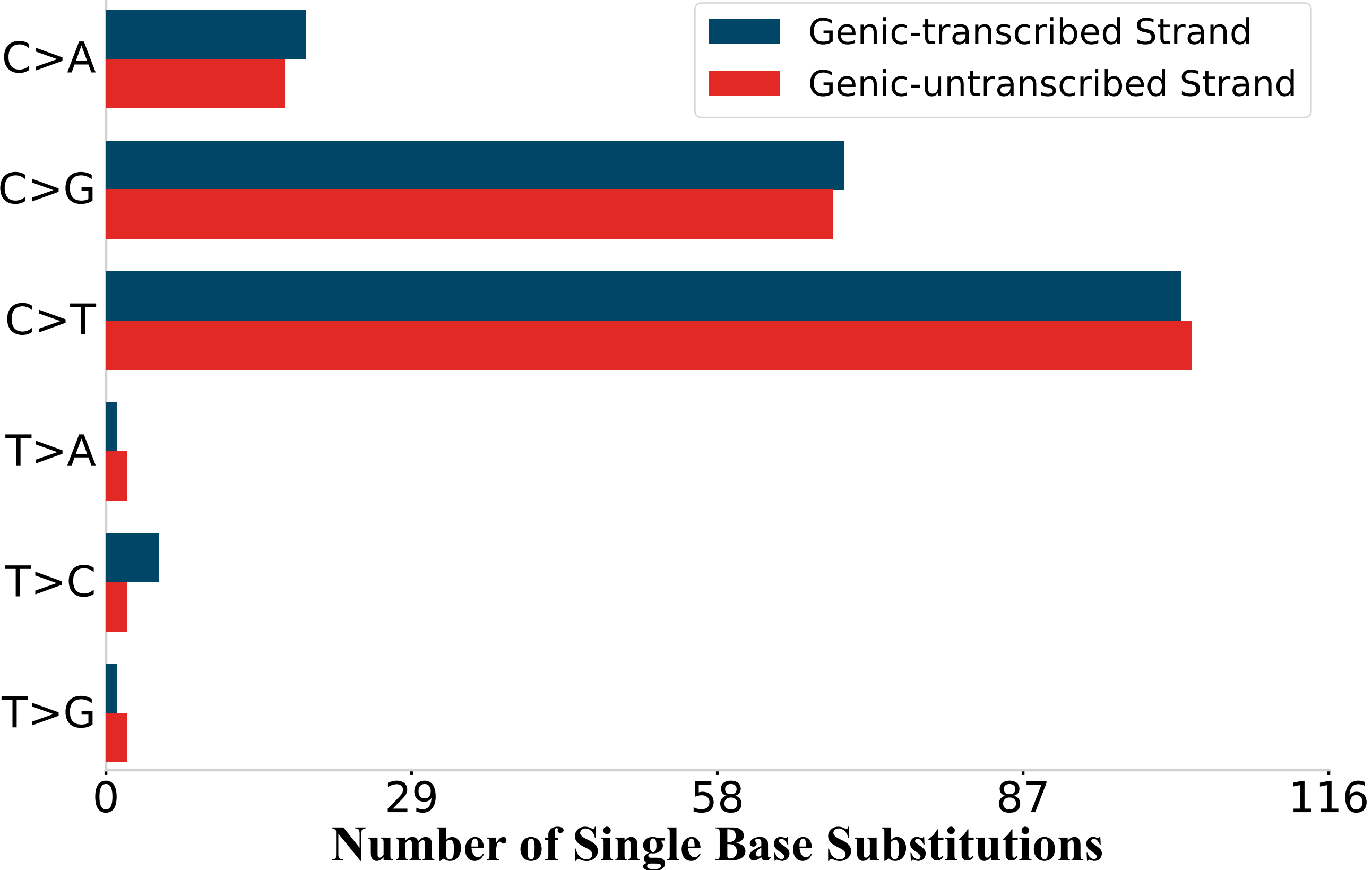
TCGA-2F-A9KQ-01A-11D-A38G-08: 72 transcribed



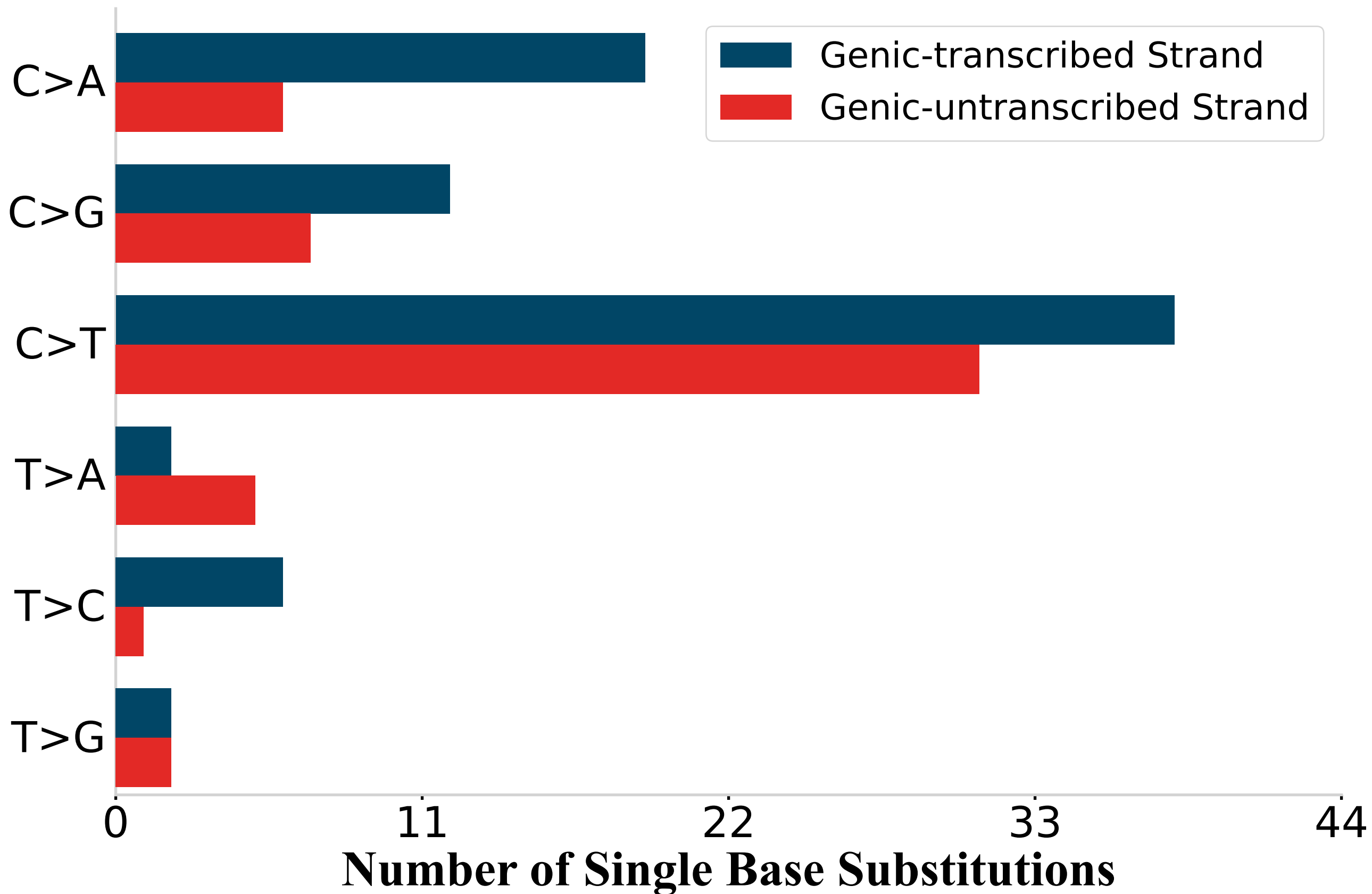
TCGA-2F-A9KR-01A-11D-A38G-08: 271 transcribed



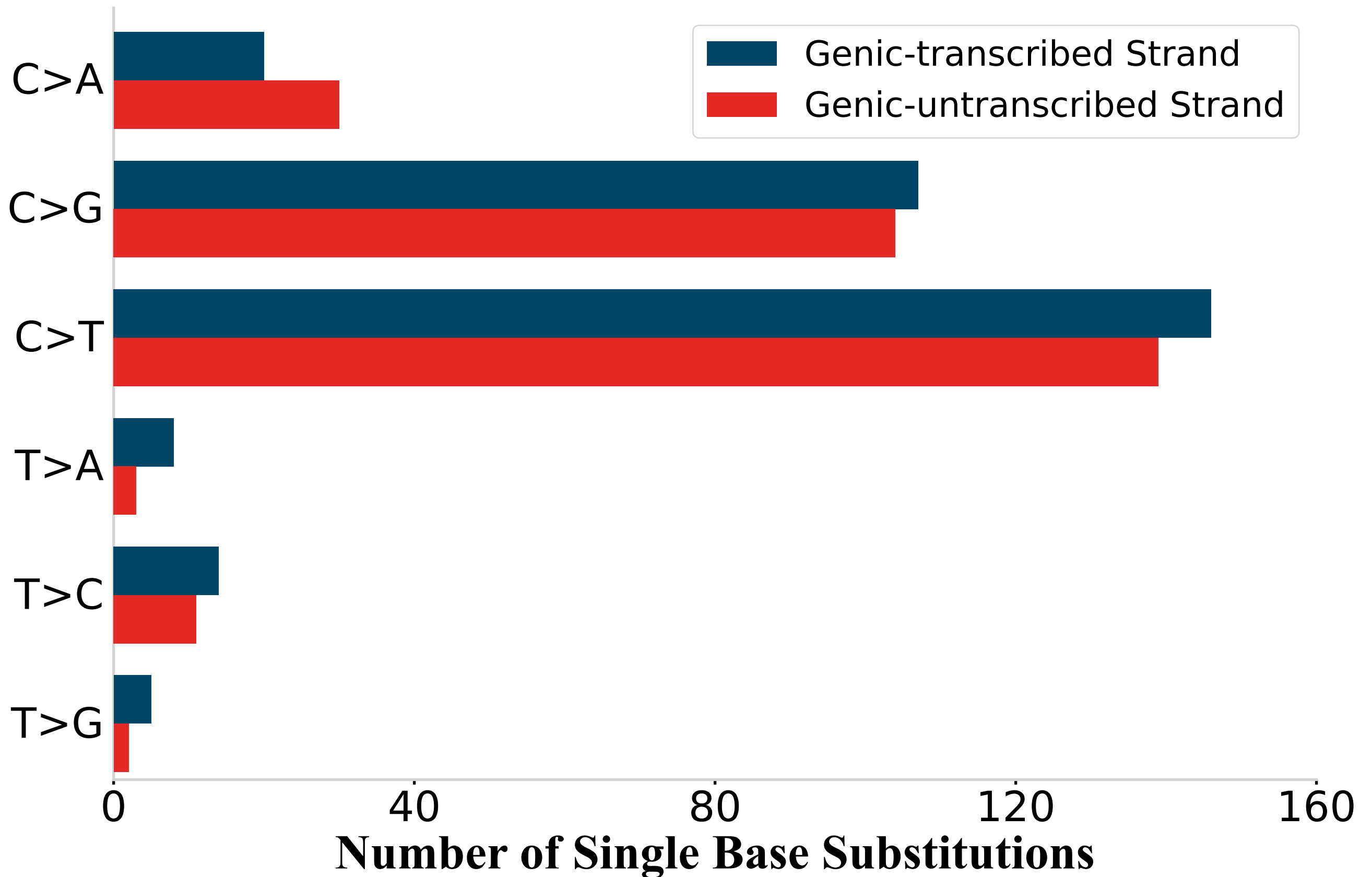
TCGA-2F-A9KT-01A-11D-A38G-08: 393 transcribed



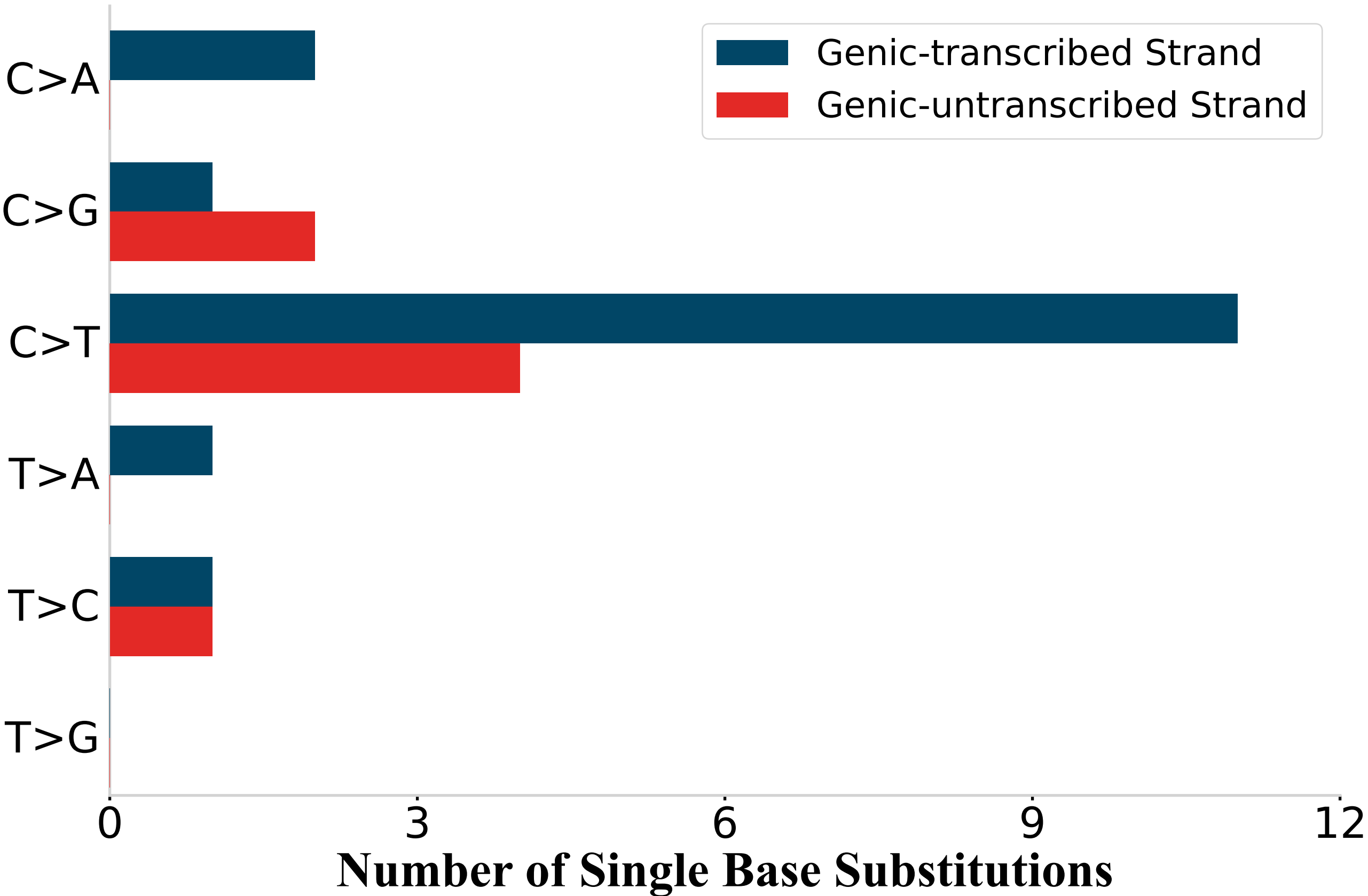
TCGA-2F-A9KW-01A-11D-A38G-08: 131 transcribe



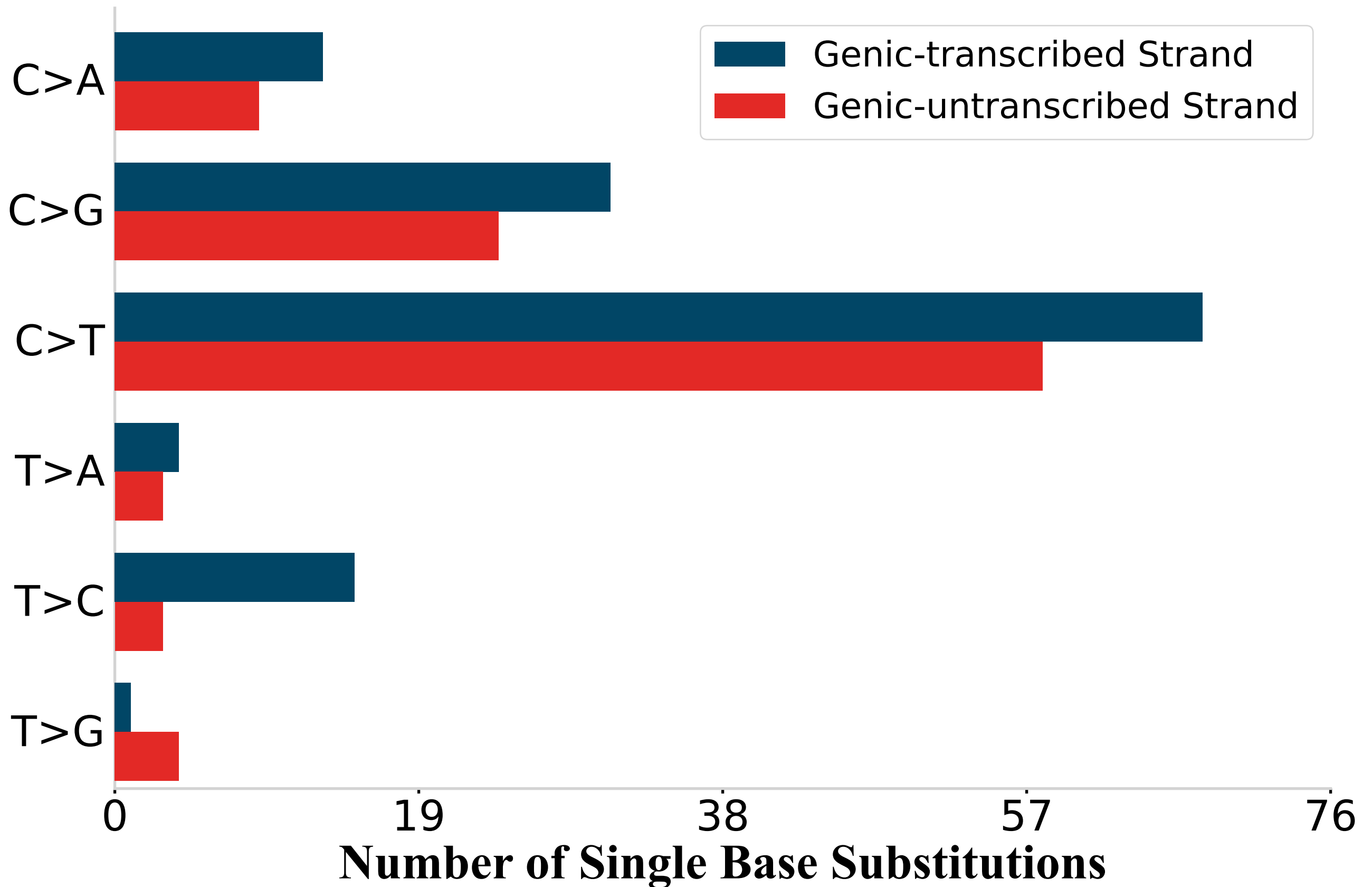
TCGA-4Z-AA7M-01A-11D-A391-08: 589 transcribed



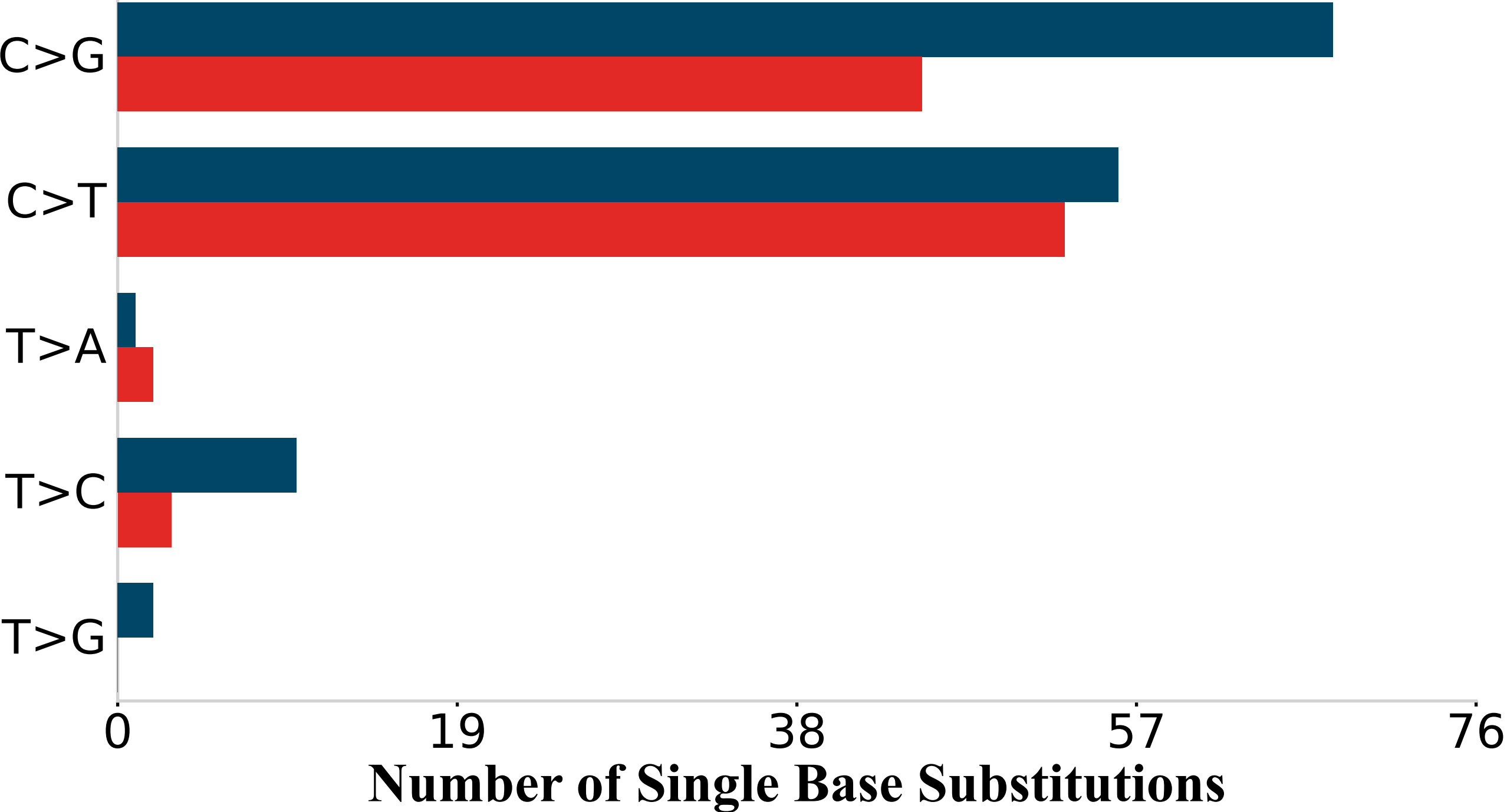
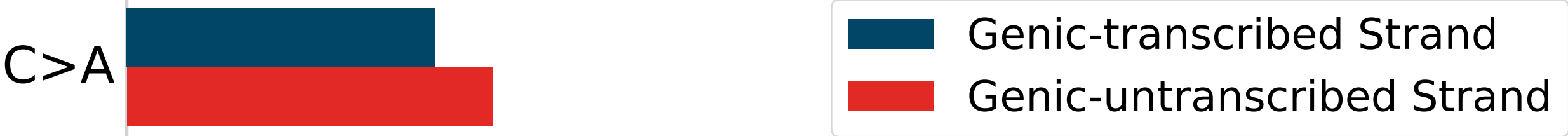
TCGA-4Z-AA7N-01A-11D-A391-08: 23 transcribed s



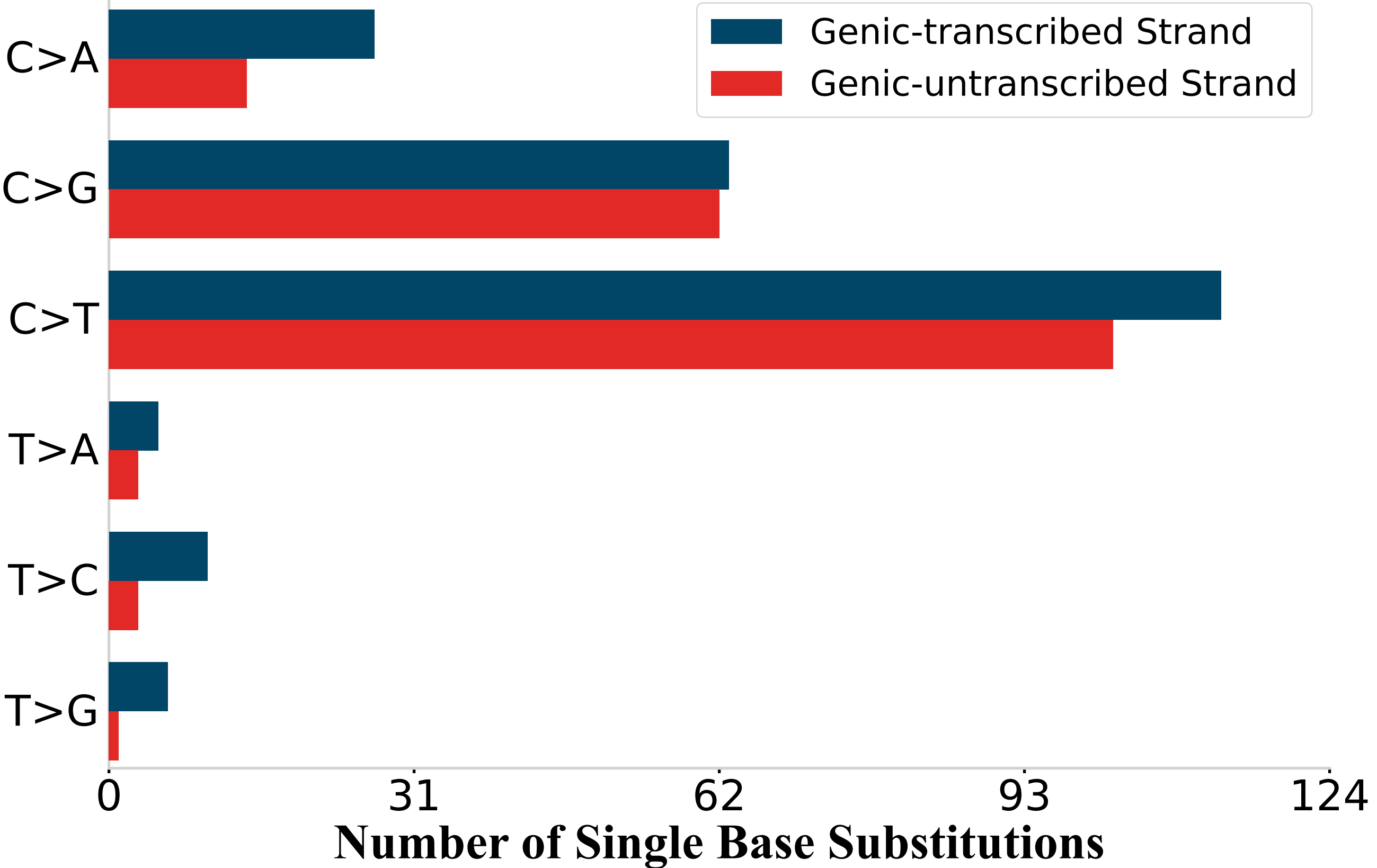
TCGA-4Z-AA7O-01A-31D-A391-08: 233 transcribed



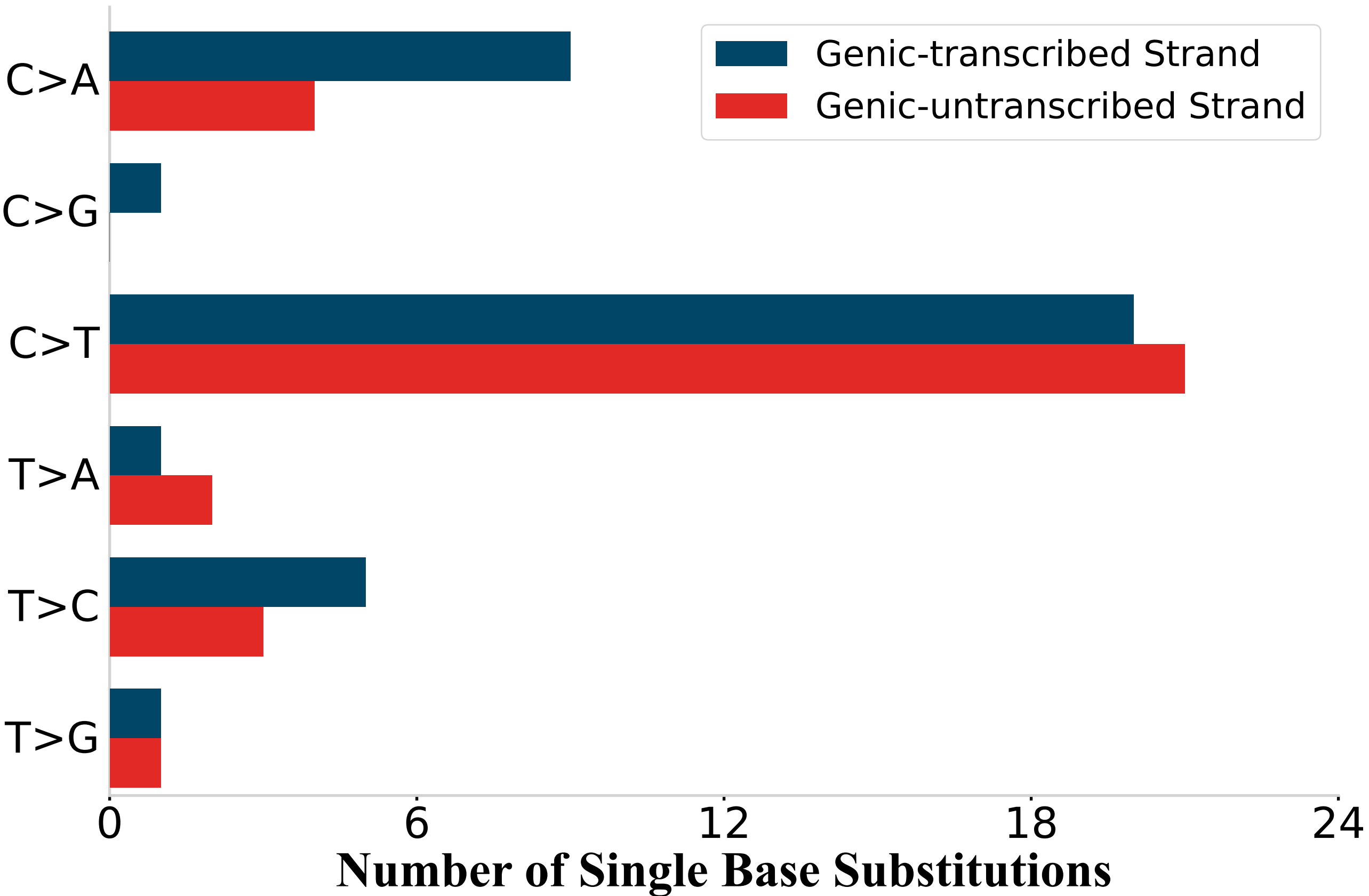
TCGA-4Z-AA7Q-01A-11D-A391-08: 275 transcribed



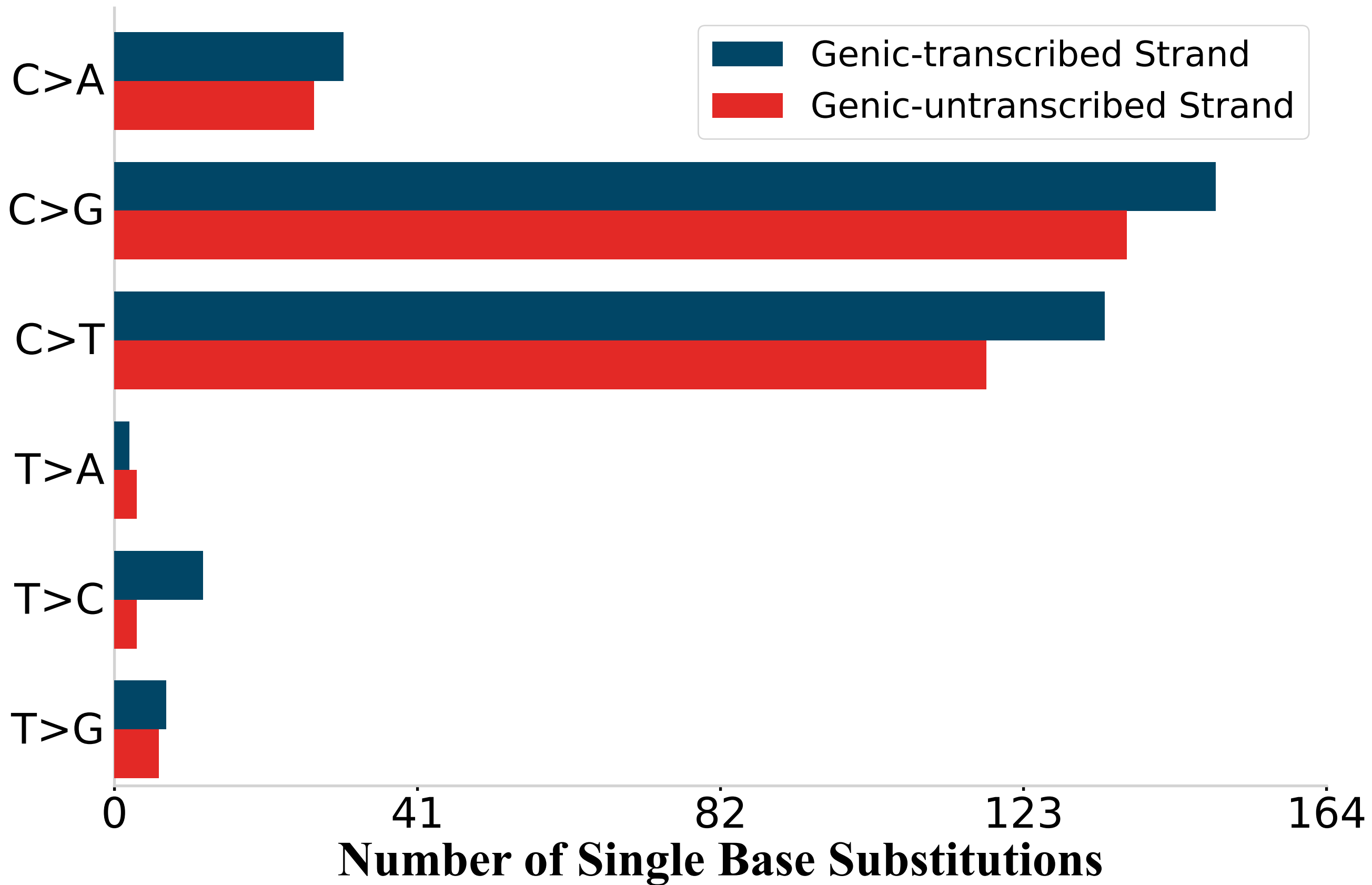
TCGA-4Z-AA7R-01A-11D-A391-08: 409 transcribed



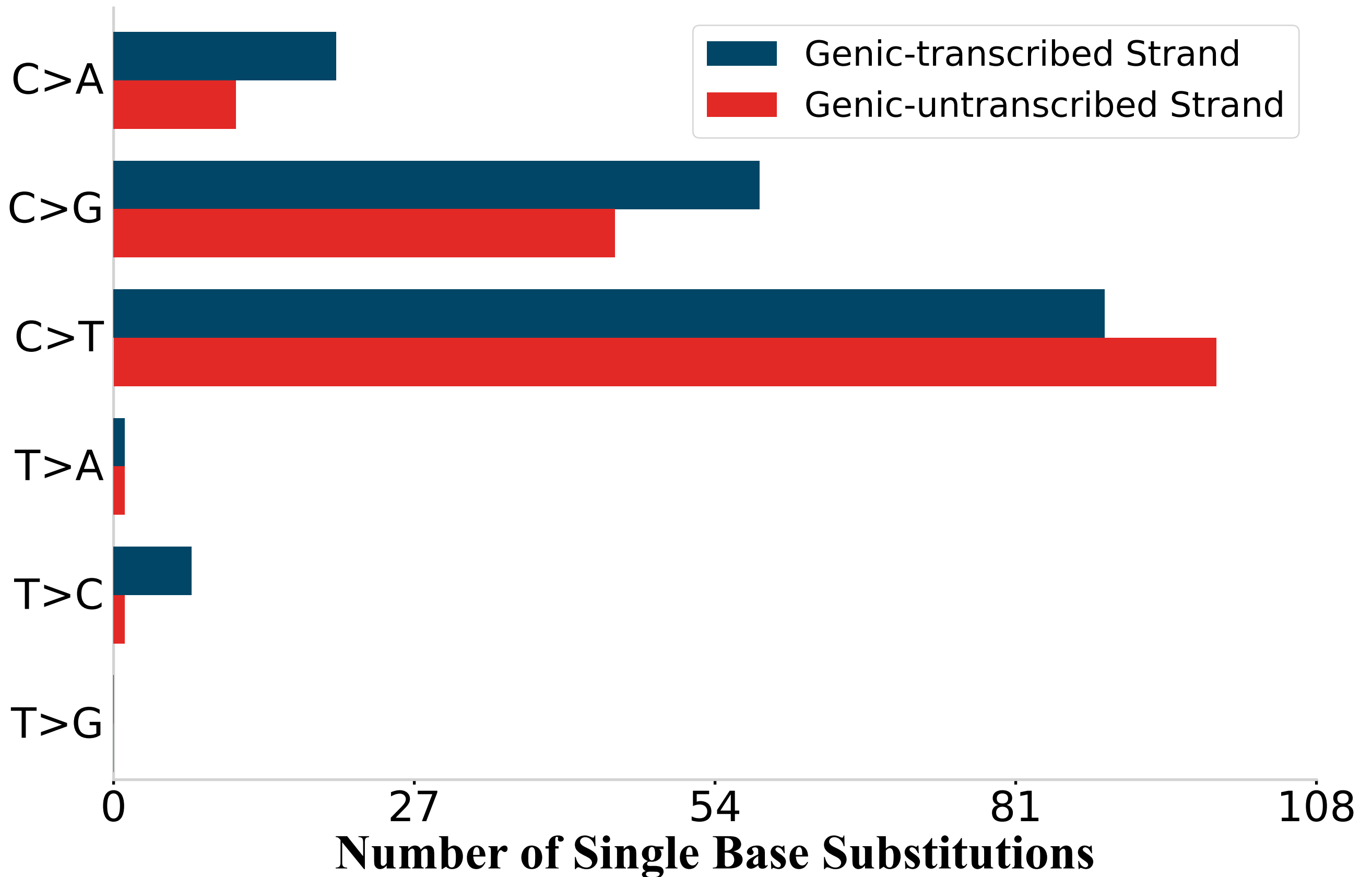
TCGA-4Z-AA7S-01A-11D-A391-08: 68 transcribed s



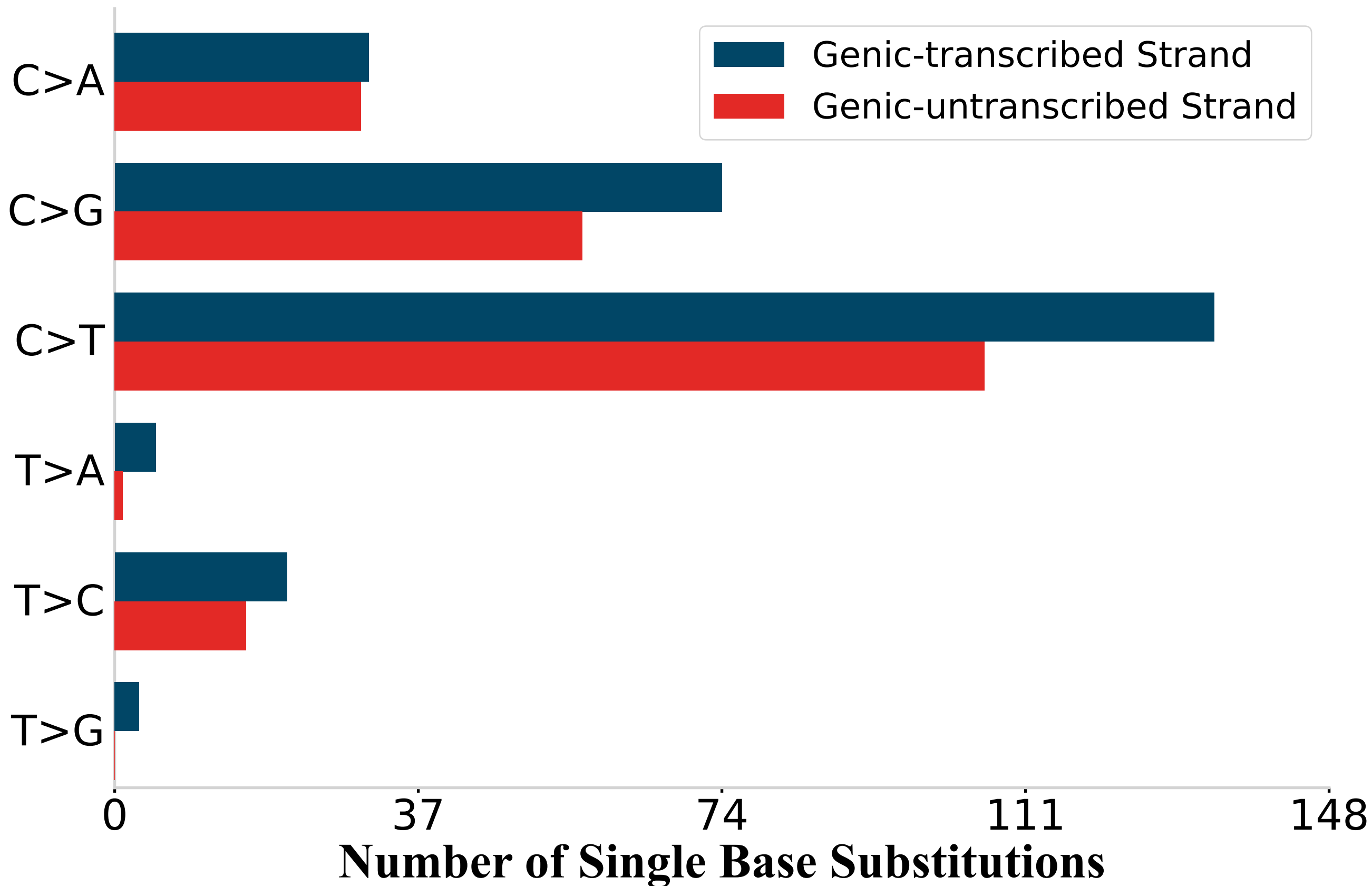
TCGA-4Z-AA7W-01A-11D-A391-08: 629 transcribed



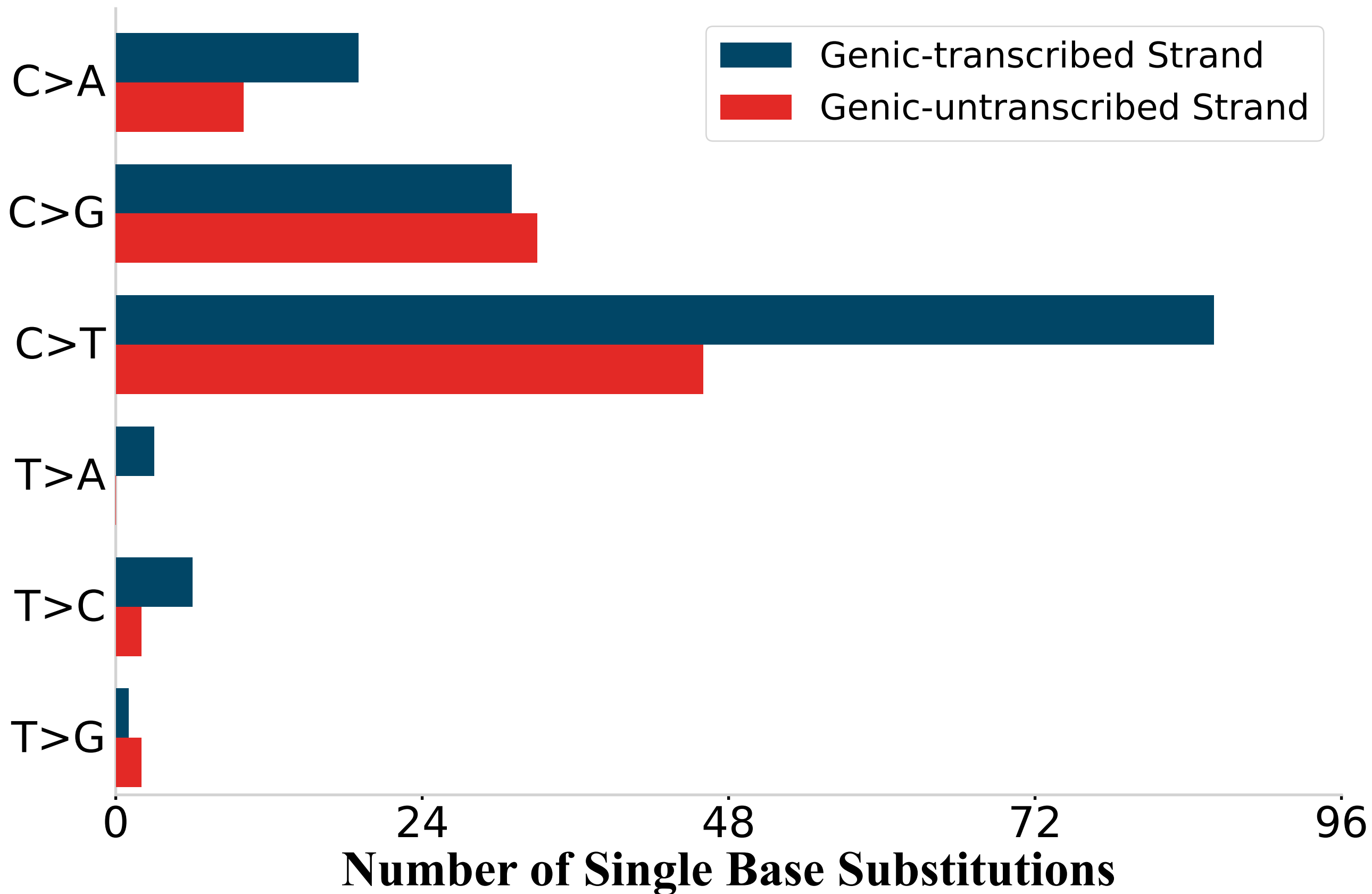
TCGA-4Z-AA7Y-01A-11D-A391-08: 332 transcribed



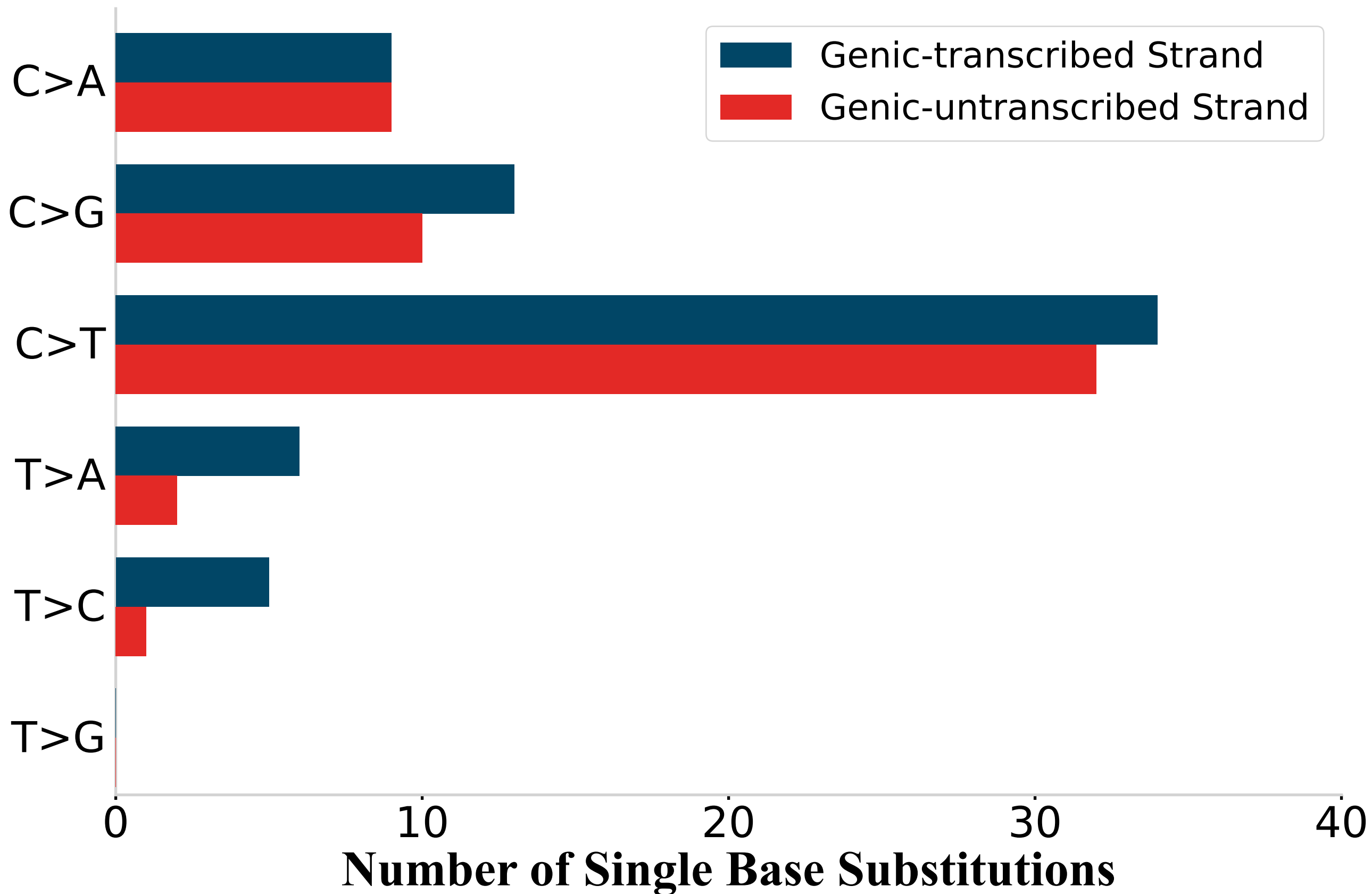
TCGA-4Z-AA80-01A-11D-A391-08: 478 transcribed



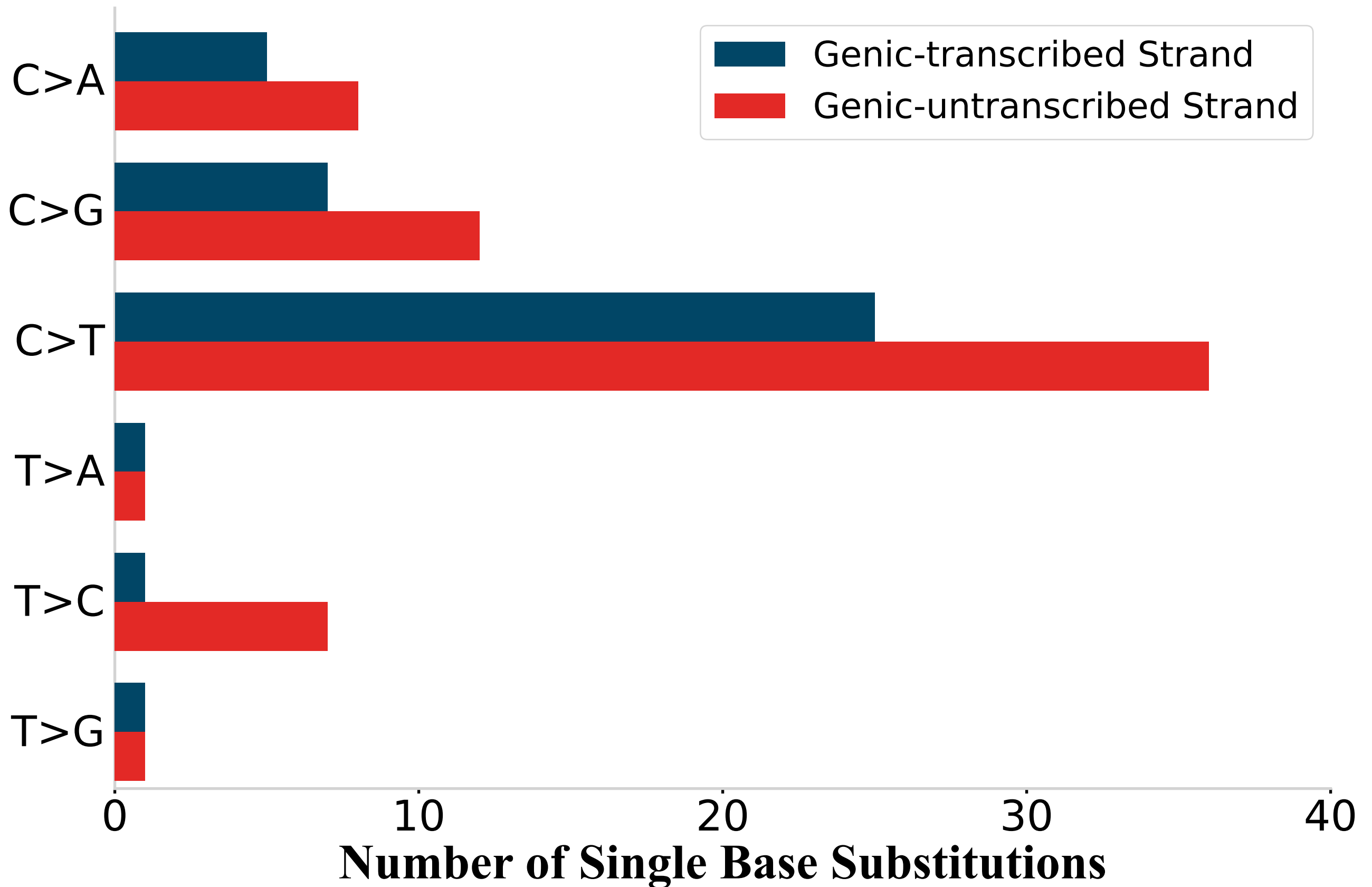
TCGA-4Z-AA81-01A-11D-A391-08: 239 transcribed



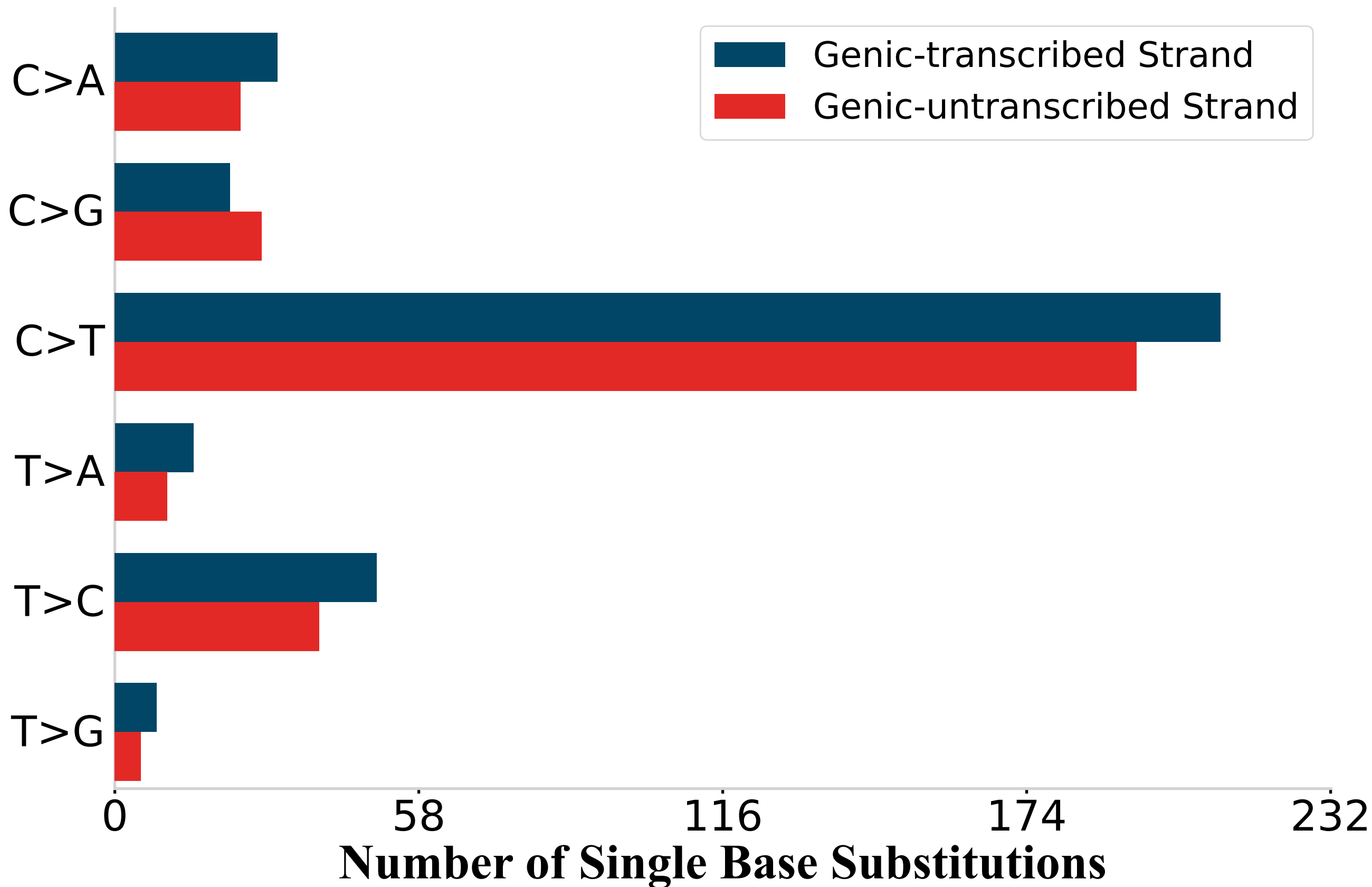
TCGA-4Z-AA82-01A-11D-A391-08: 121 transcribed



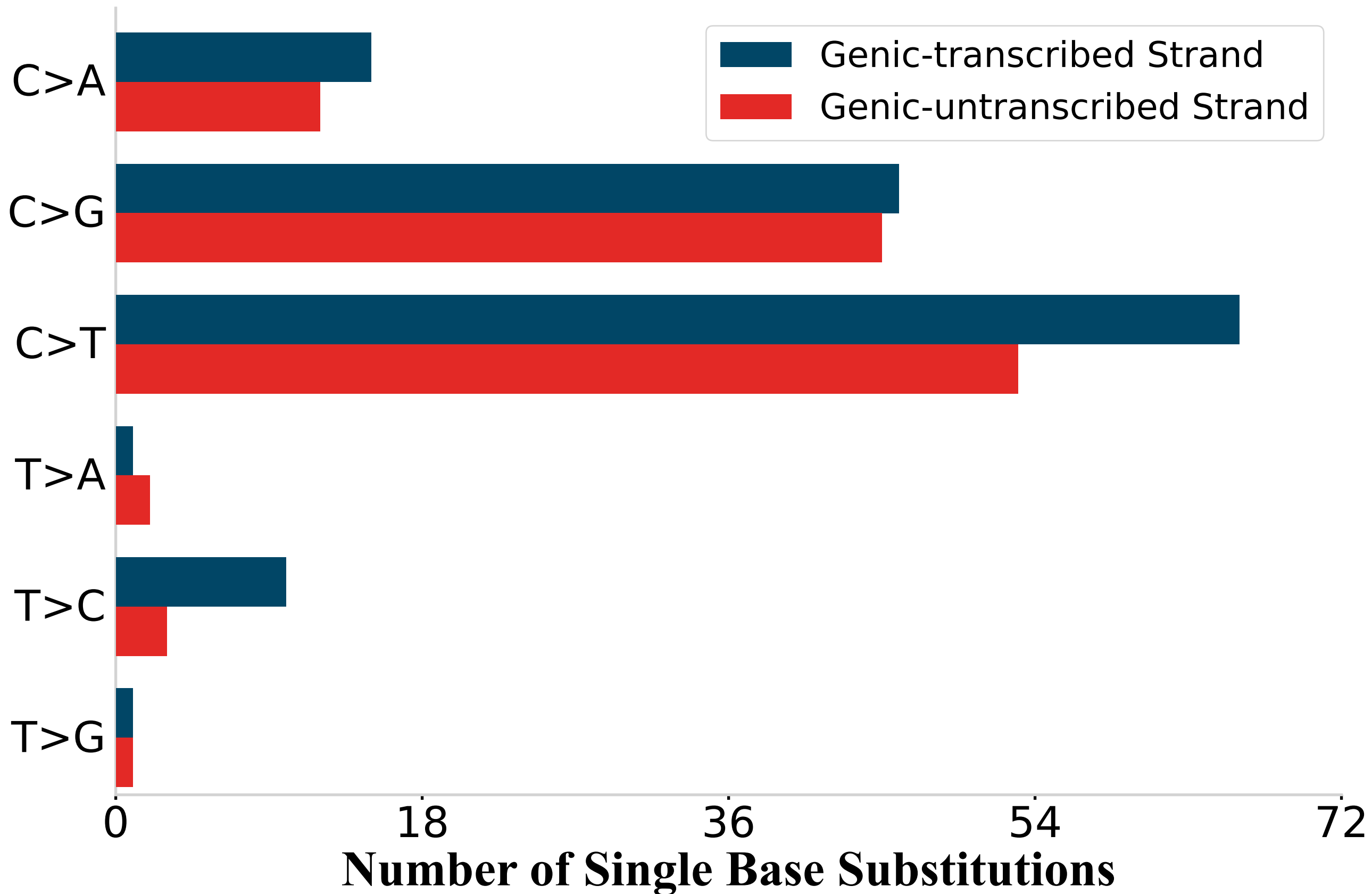
TCGA-4Z-AA83-01A-11D-A391-08: 105 transcribed



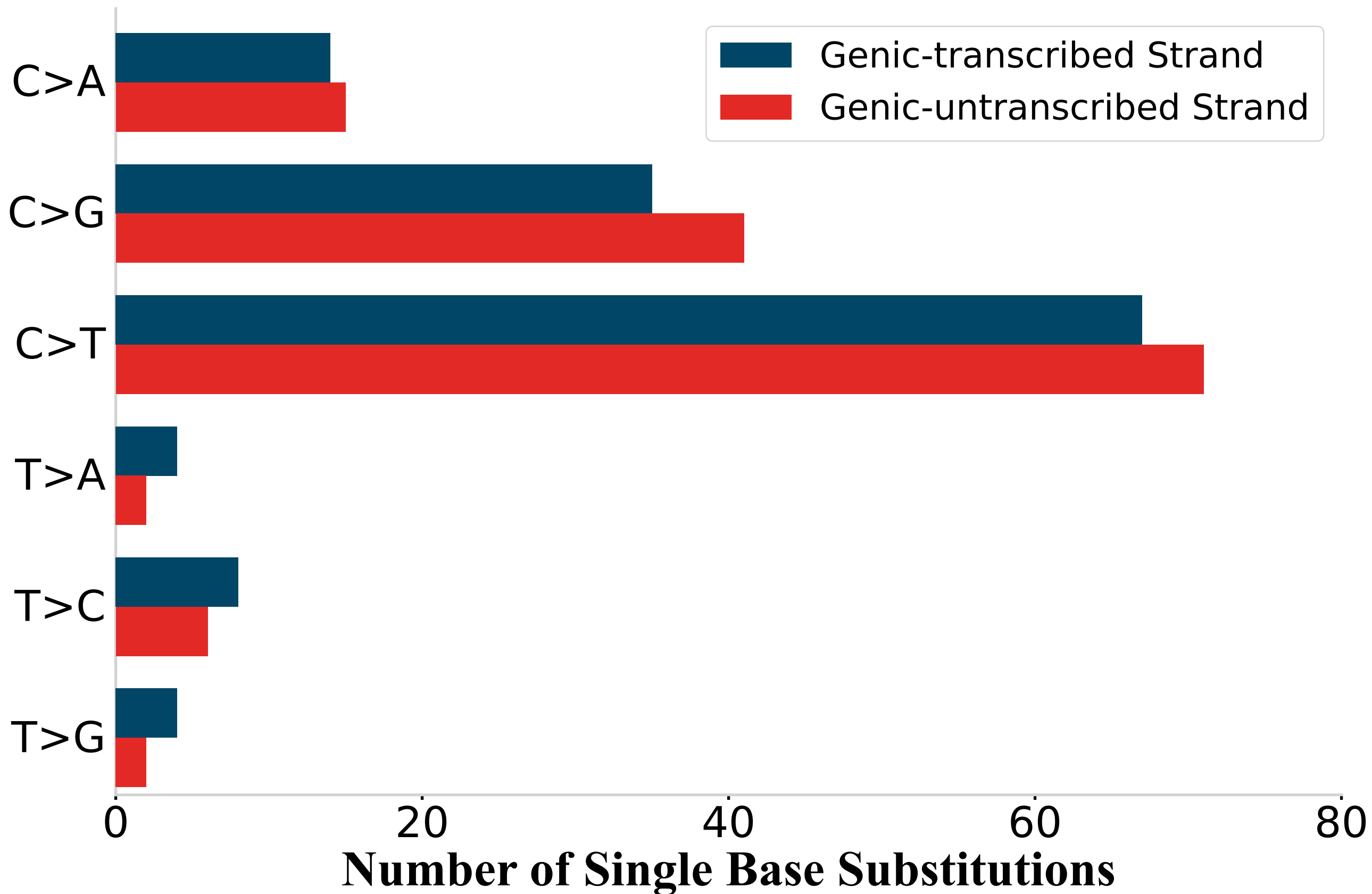
TCGA-4Z-AA84-01A-11D-A391-08: 638 transcribed



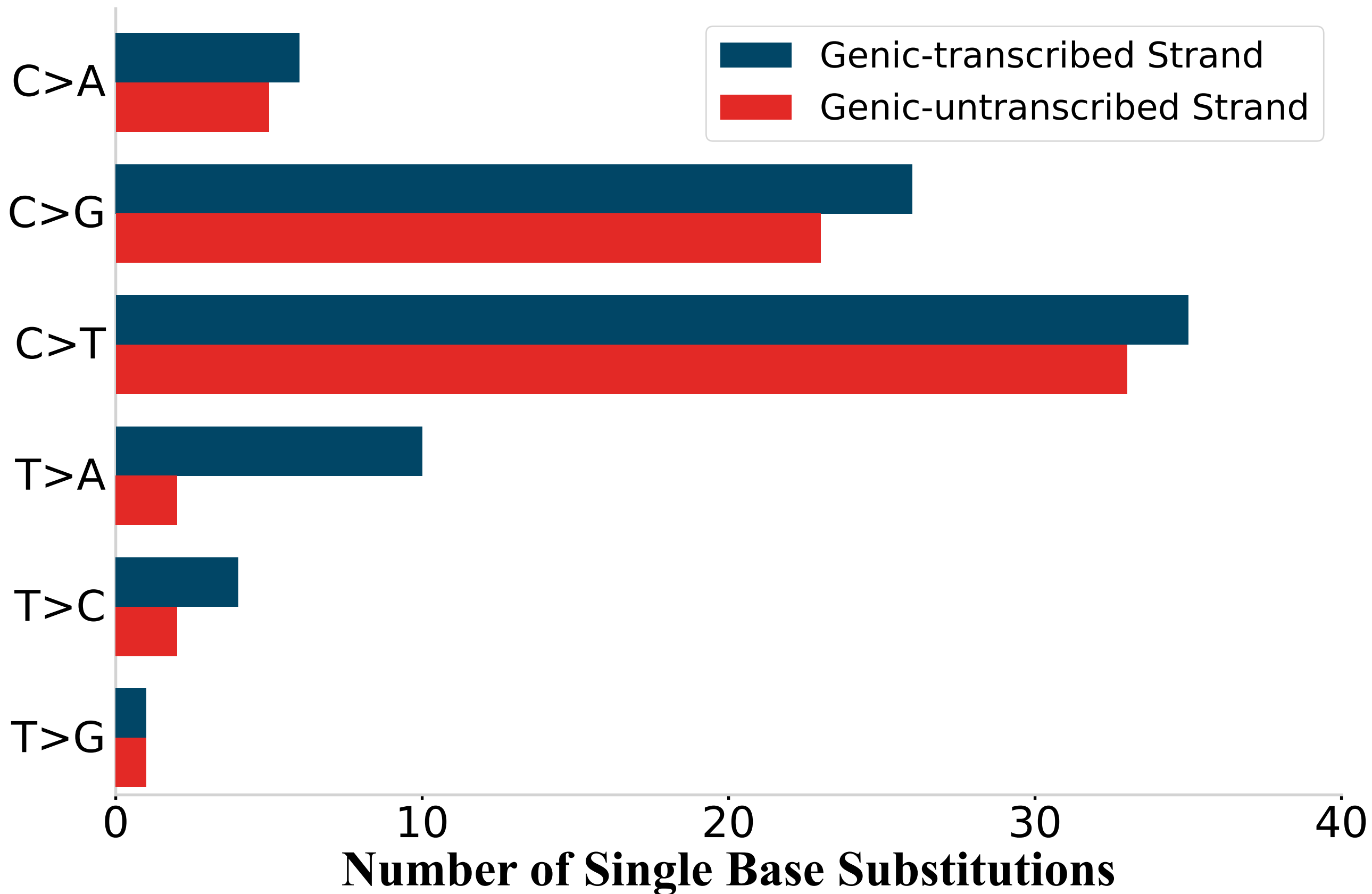
TCGA-4Z-AA86-01A-11D-A391-08: 255 transcribed



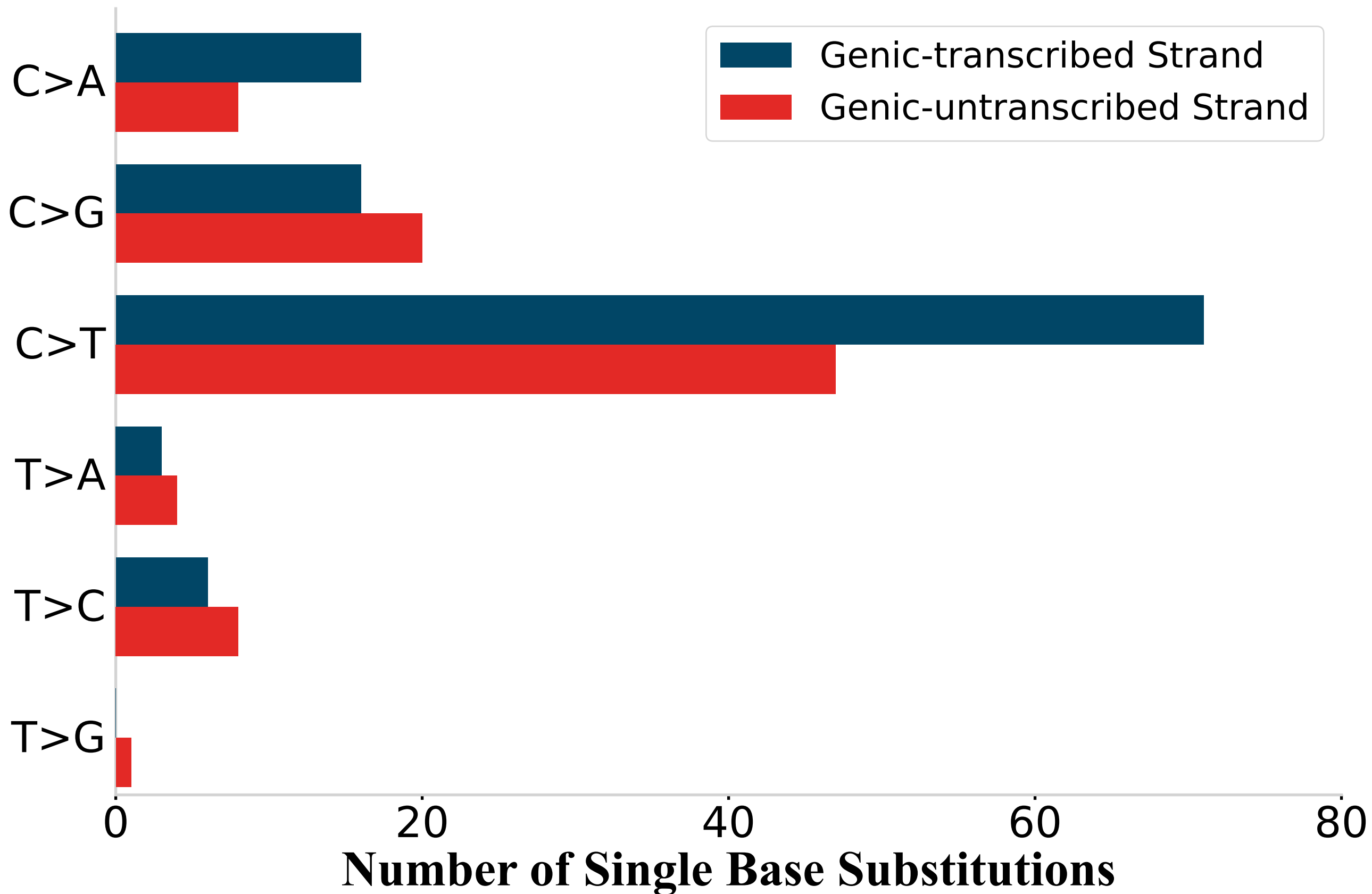
TCGA-4Z-AA87-01A-11D-A391-08: 269 transcribed



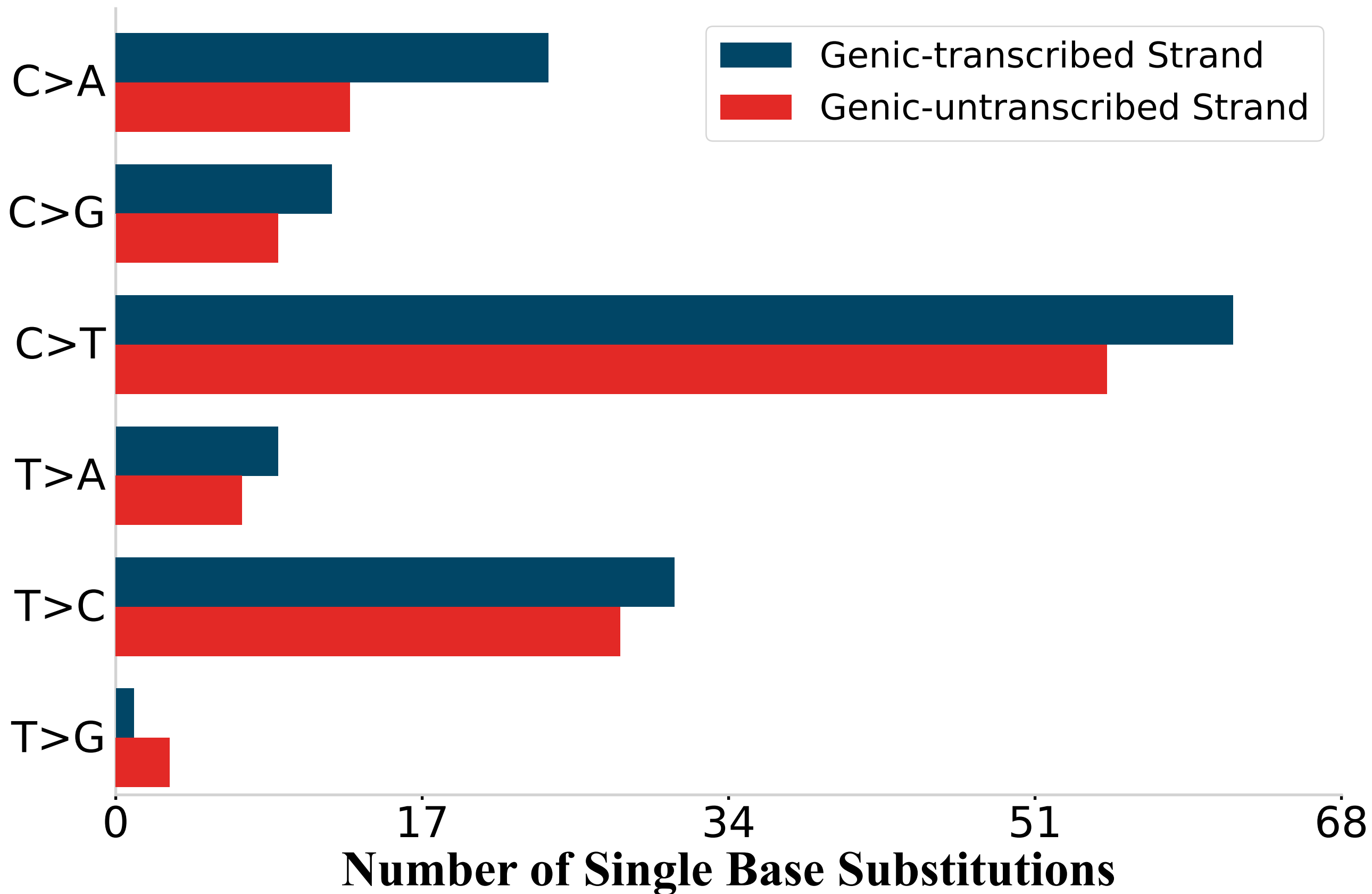
TCGA-4Z-AA89-01A-11D-A391-08: 148 transcribed



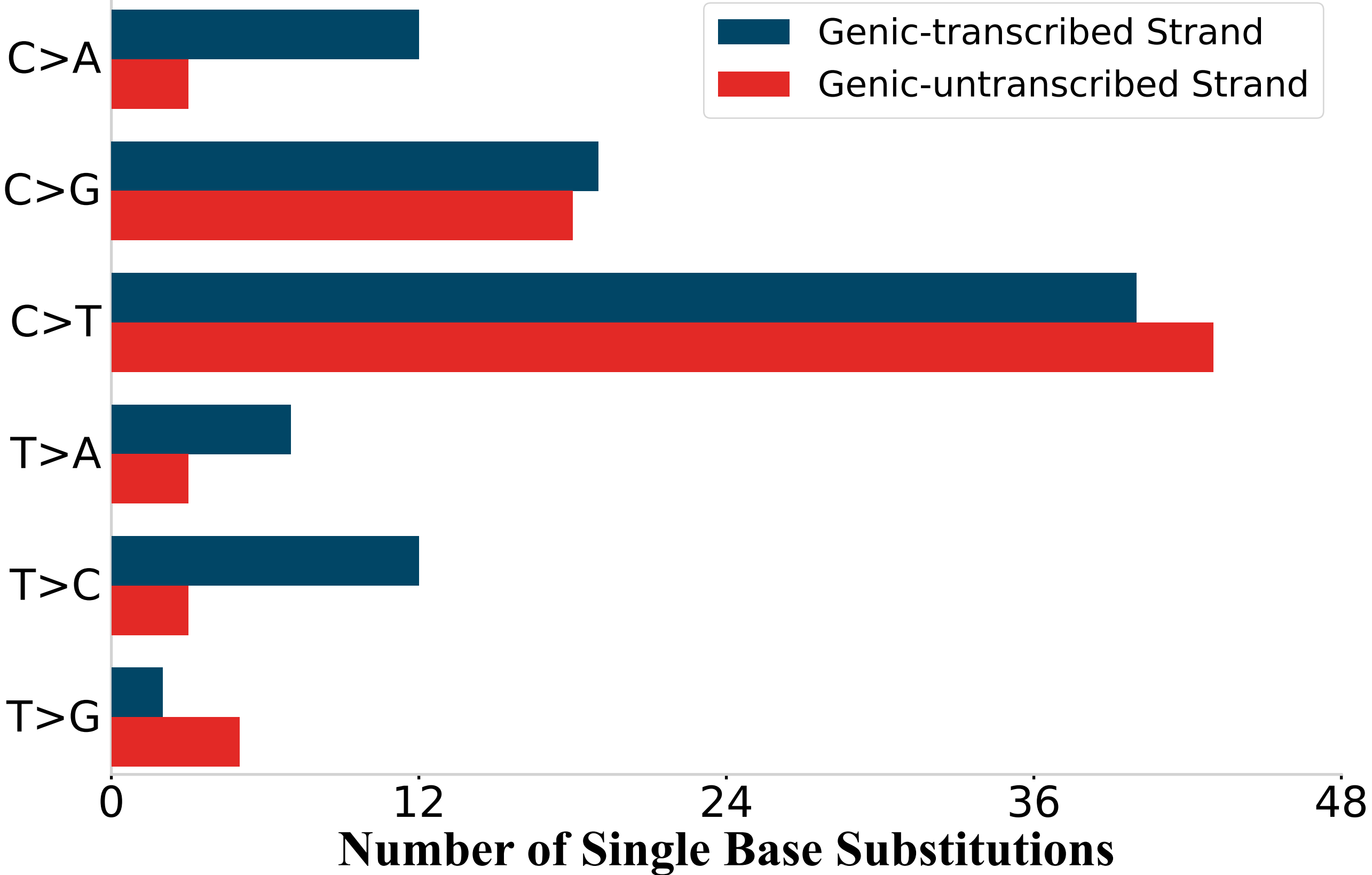
TCGA-5N-A9KI-01A-31D-A42E-08: 200 transcribed



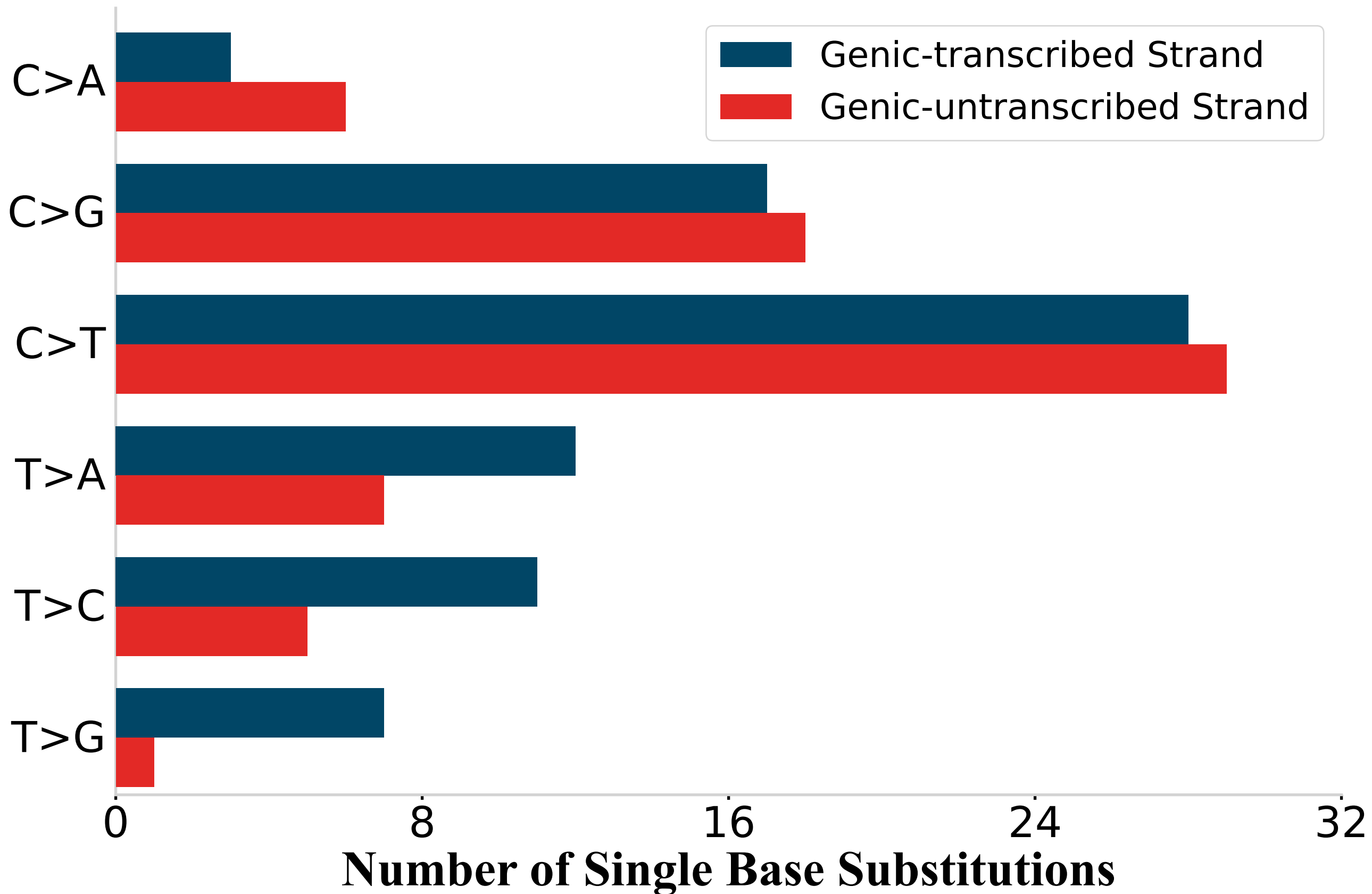
TCGA-5N-A9KM-01A-11D-A42E-08: 254 transcribe



TCGA-BL-A0C8-01A-11D-A271-08: 167 transcribed



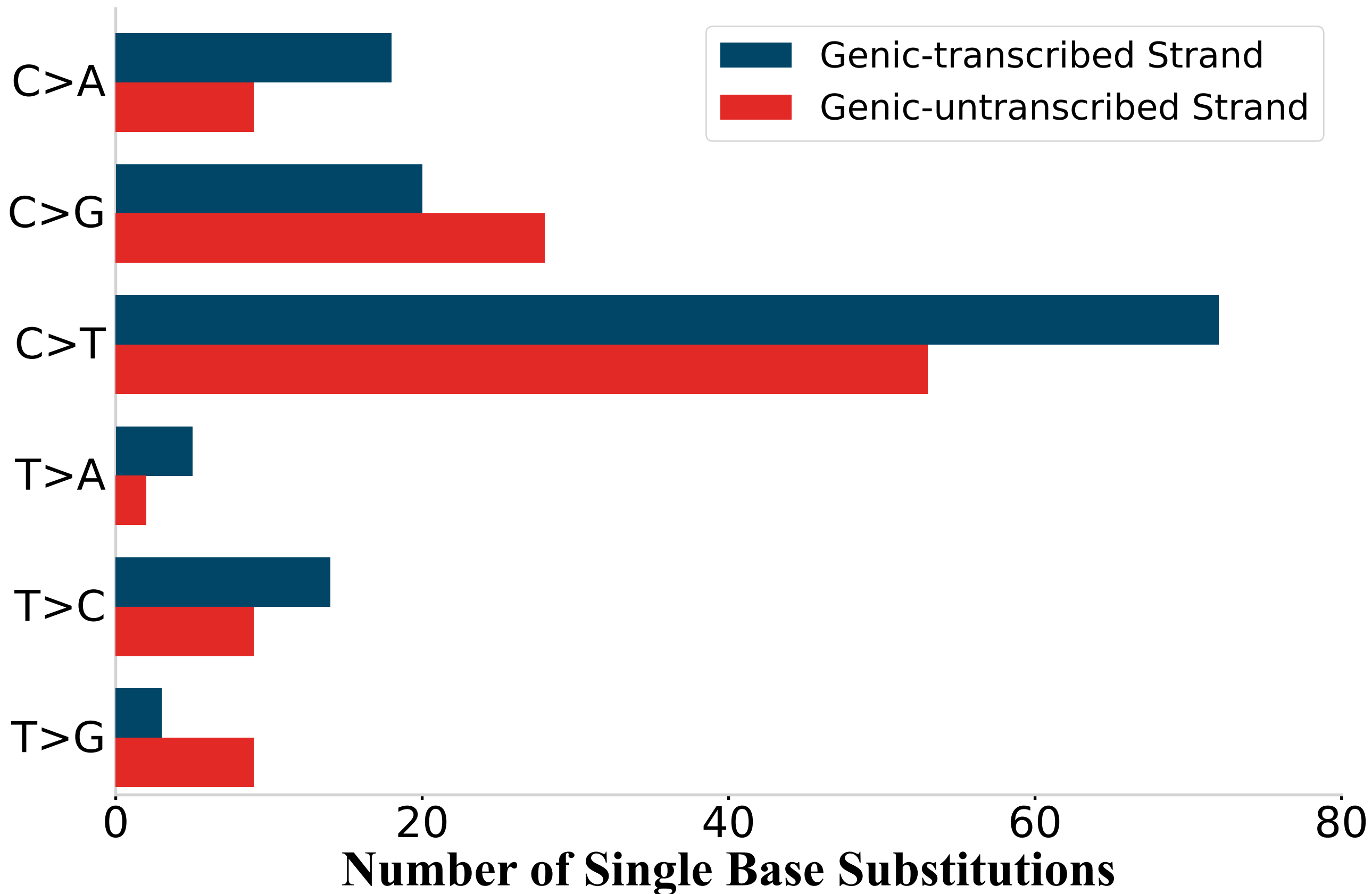
TCGA-BL-A13I-01A-11D-A271-08: 144 transcribed



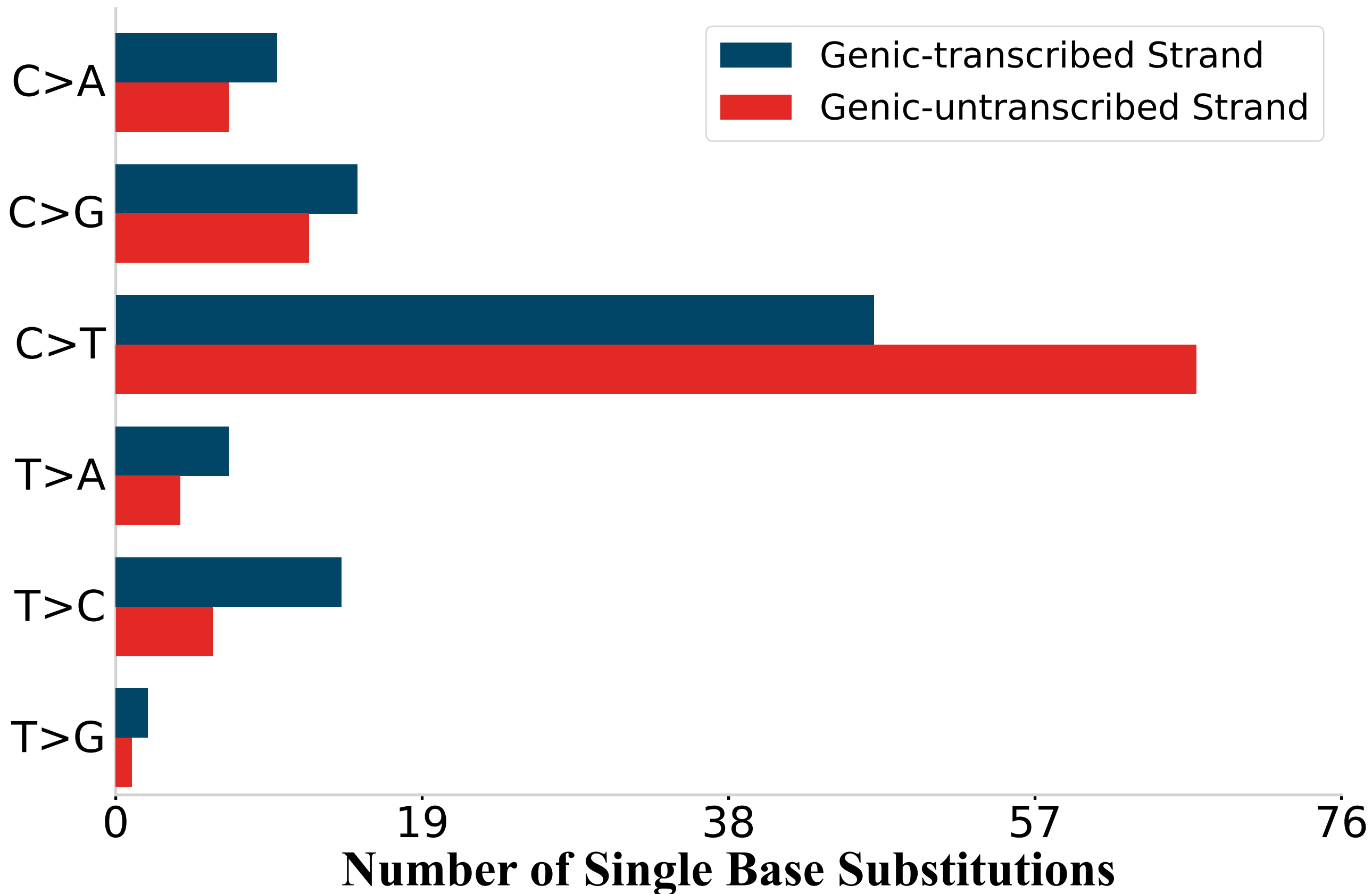
TCGA-BL-A13J-01A-11D-A271-08: 123 transcribed



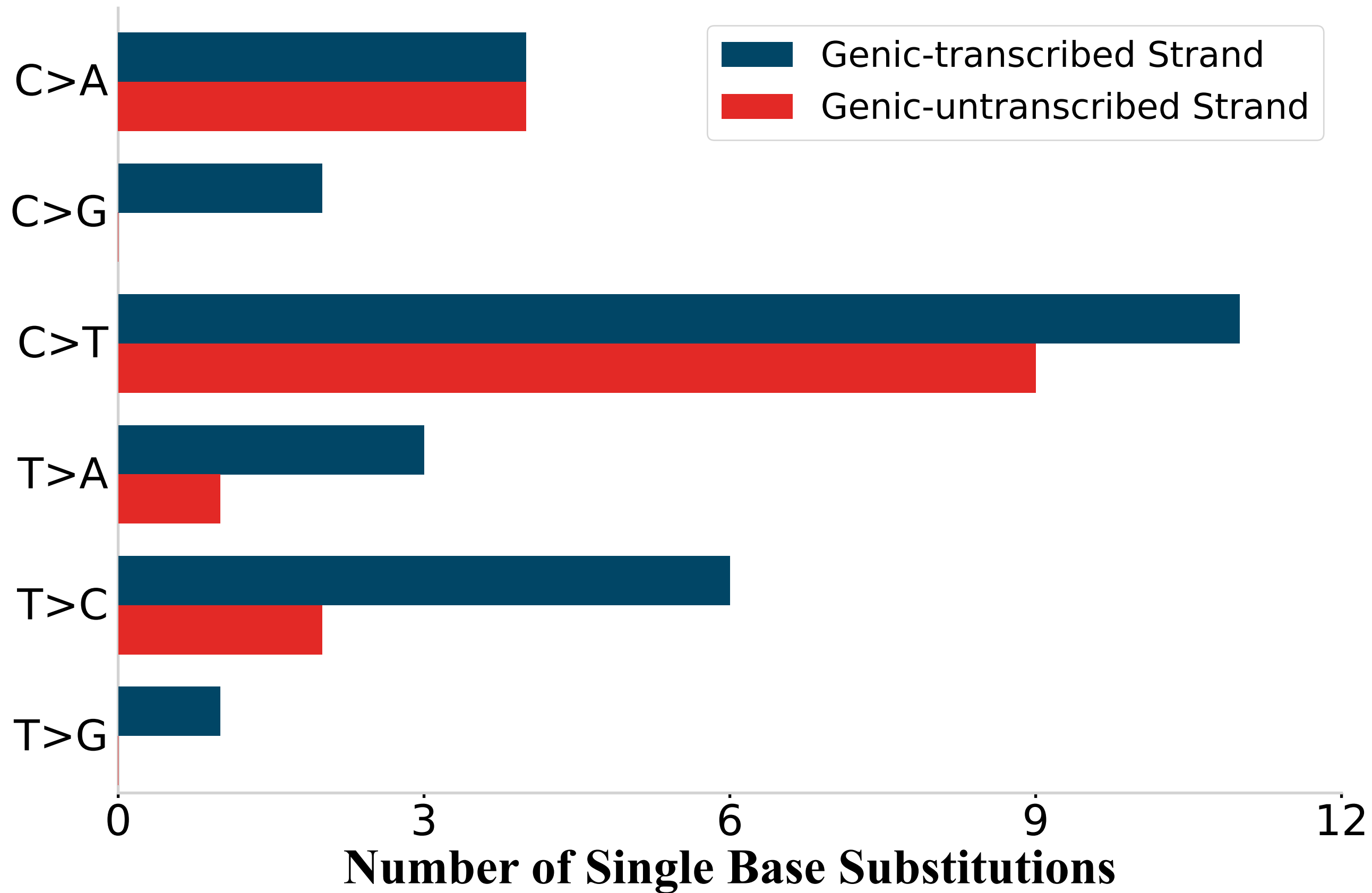
TCGA-BL-A3JM-01A-12D-A21A-08: 242 transcribe



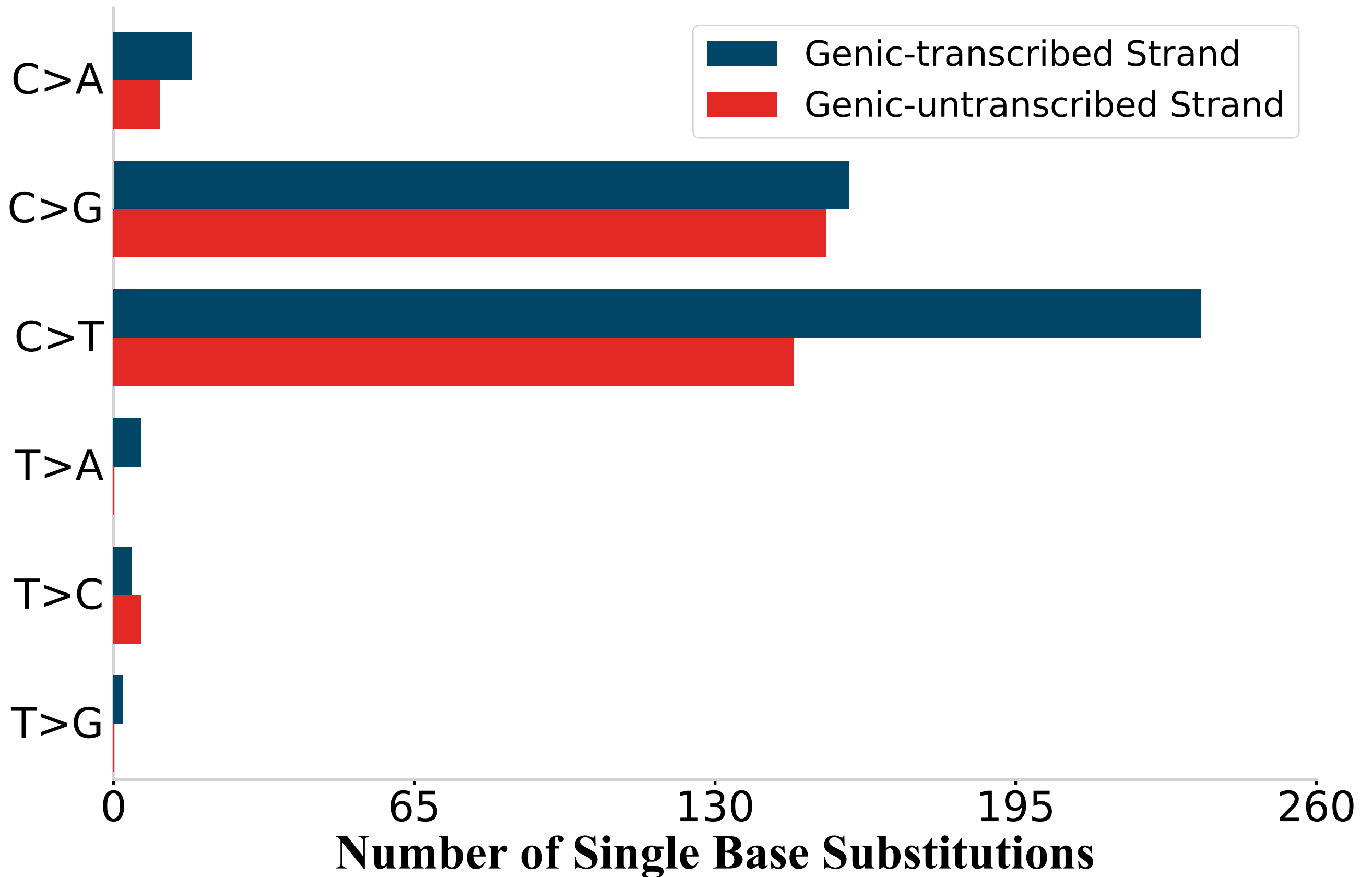
TCGA-BL-A5ZZ-01A-31D-A30E-08: 192 transcribed



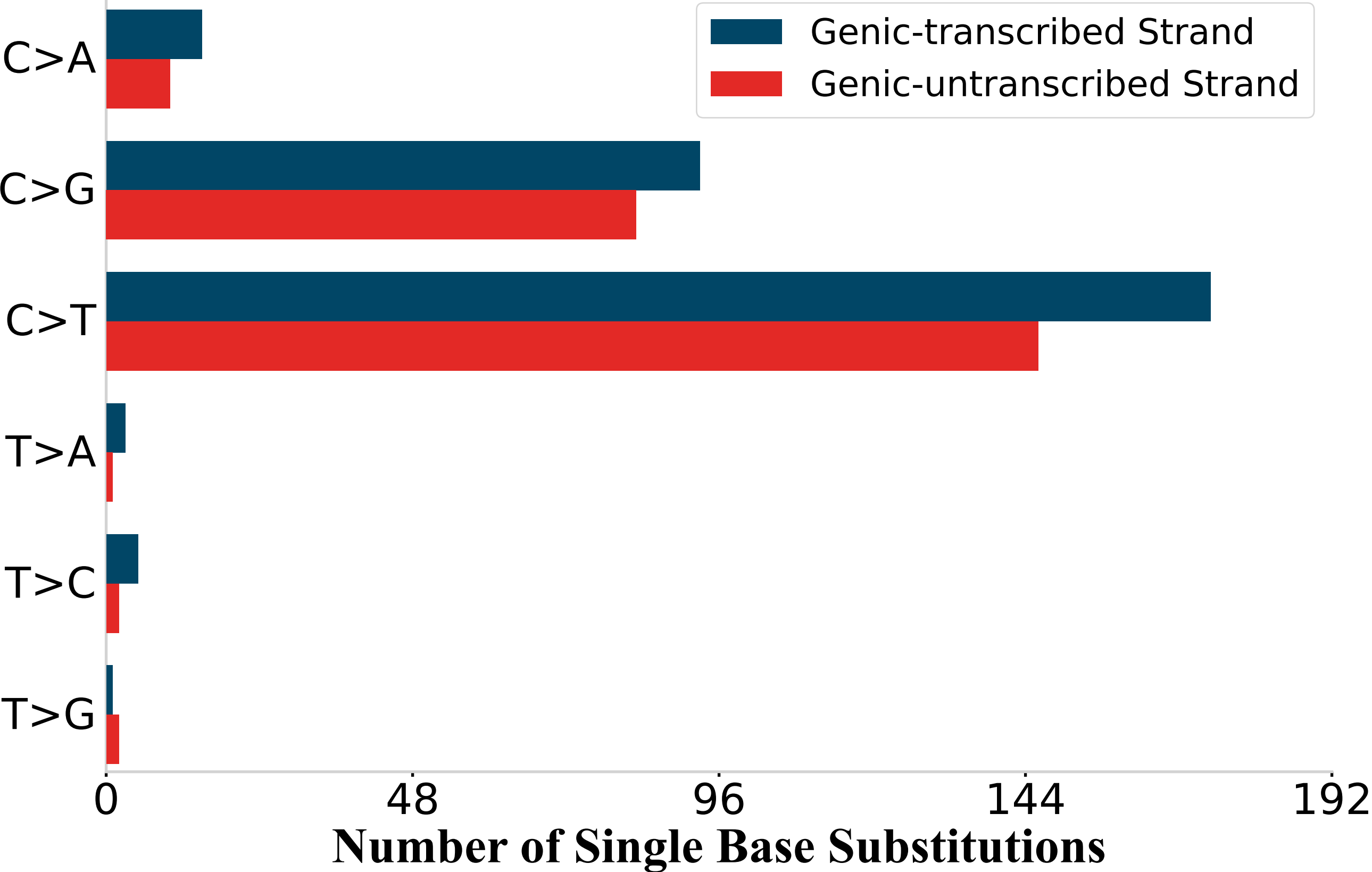
TCGA-BT-A0S7-01A-11D-A10S-08: 43 transcribed s



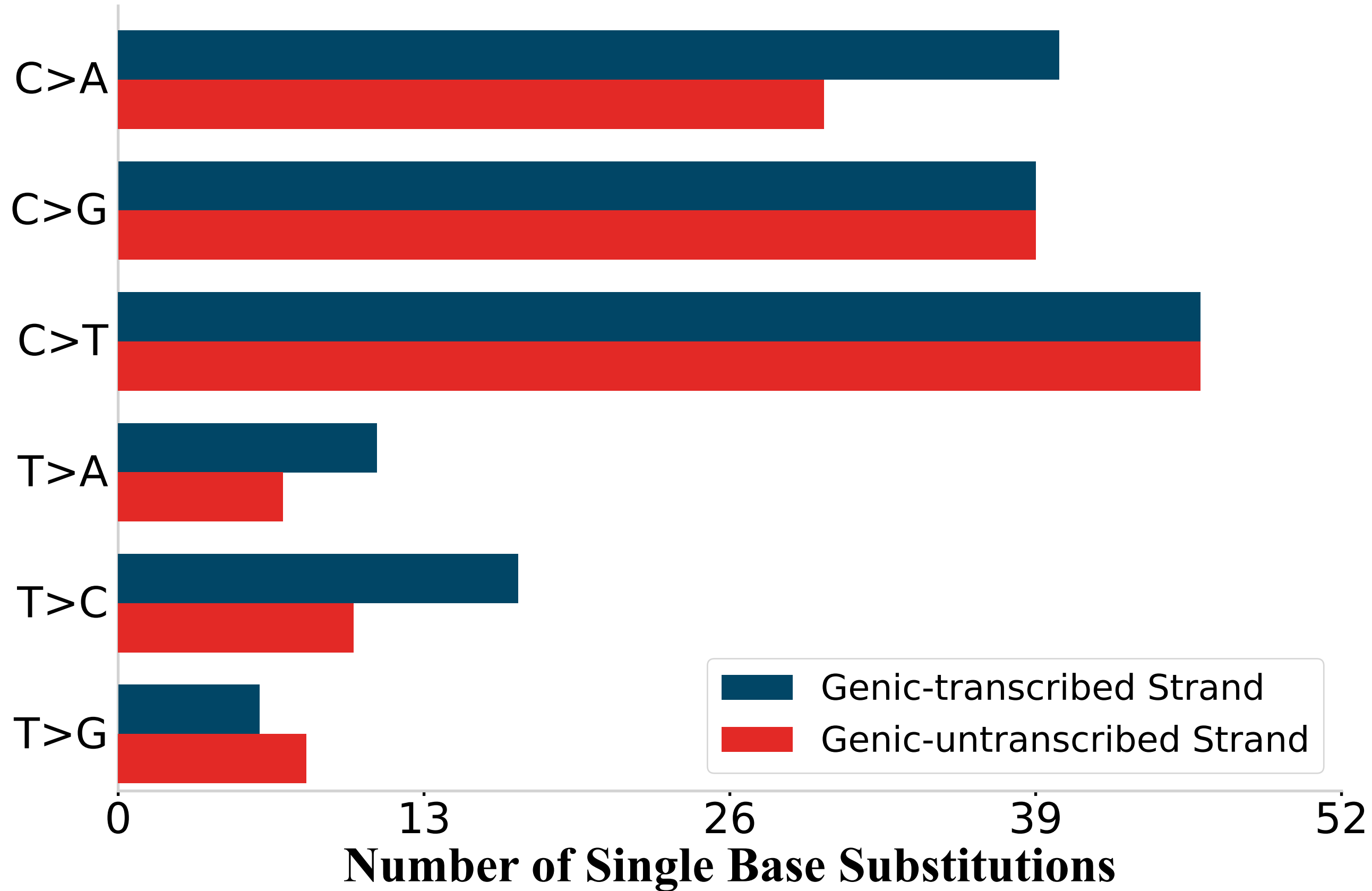
TCGA-BT-A0YX-01A-11D-A10S-08: 740 transcribed



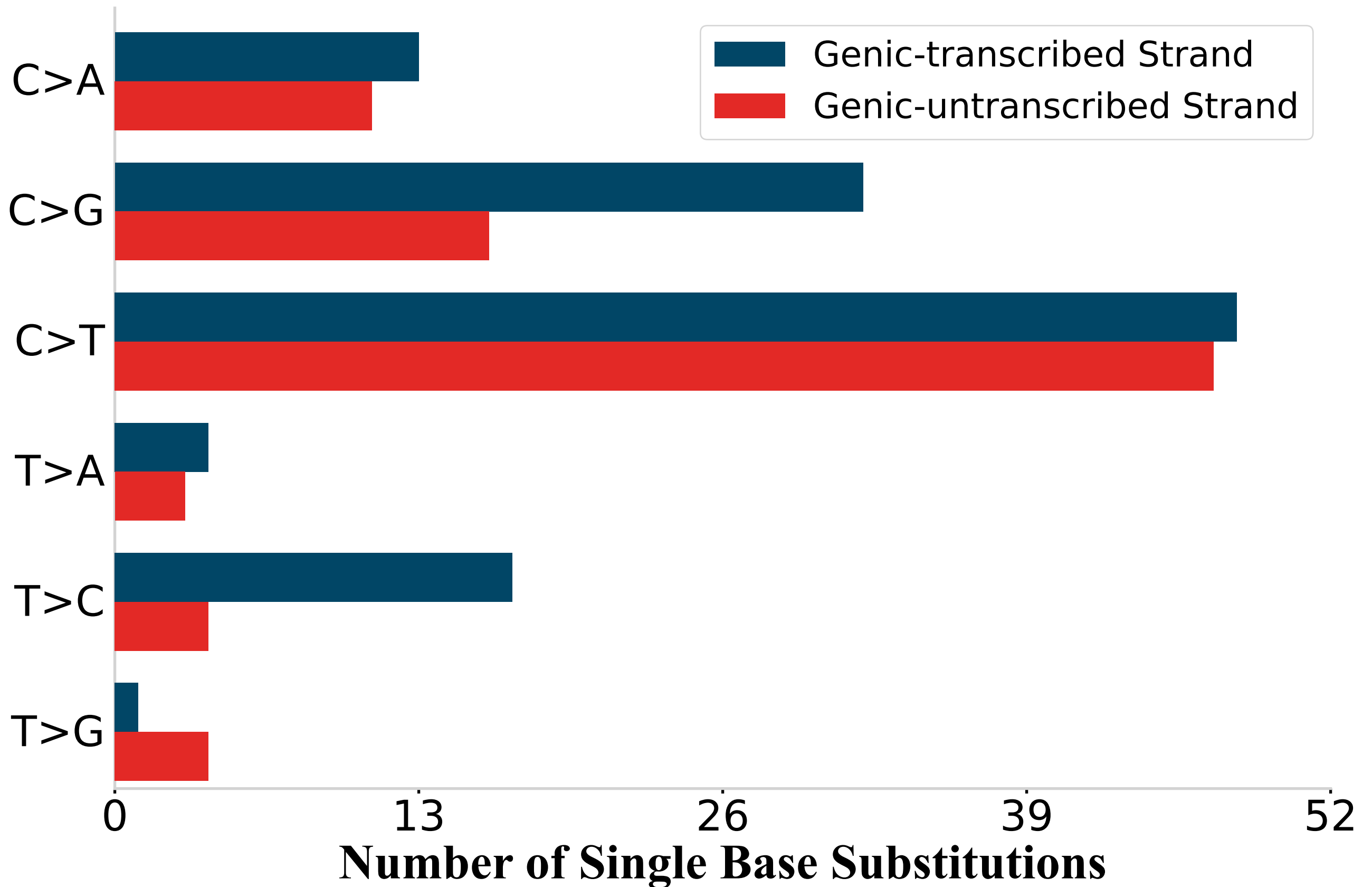
TCGA-BT-A20J-01A-11D-A14W-08: 534 transcribed



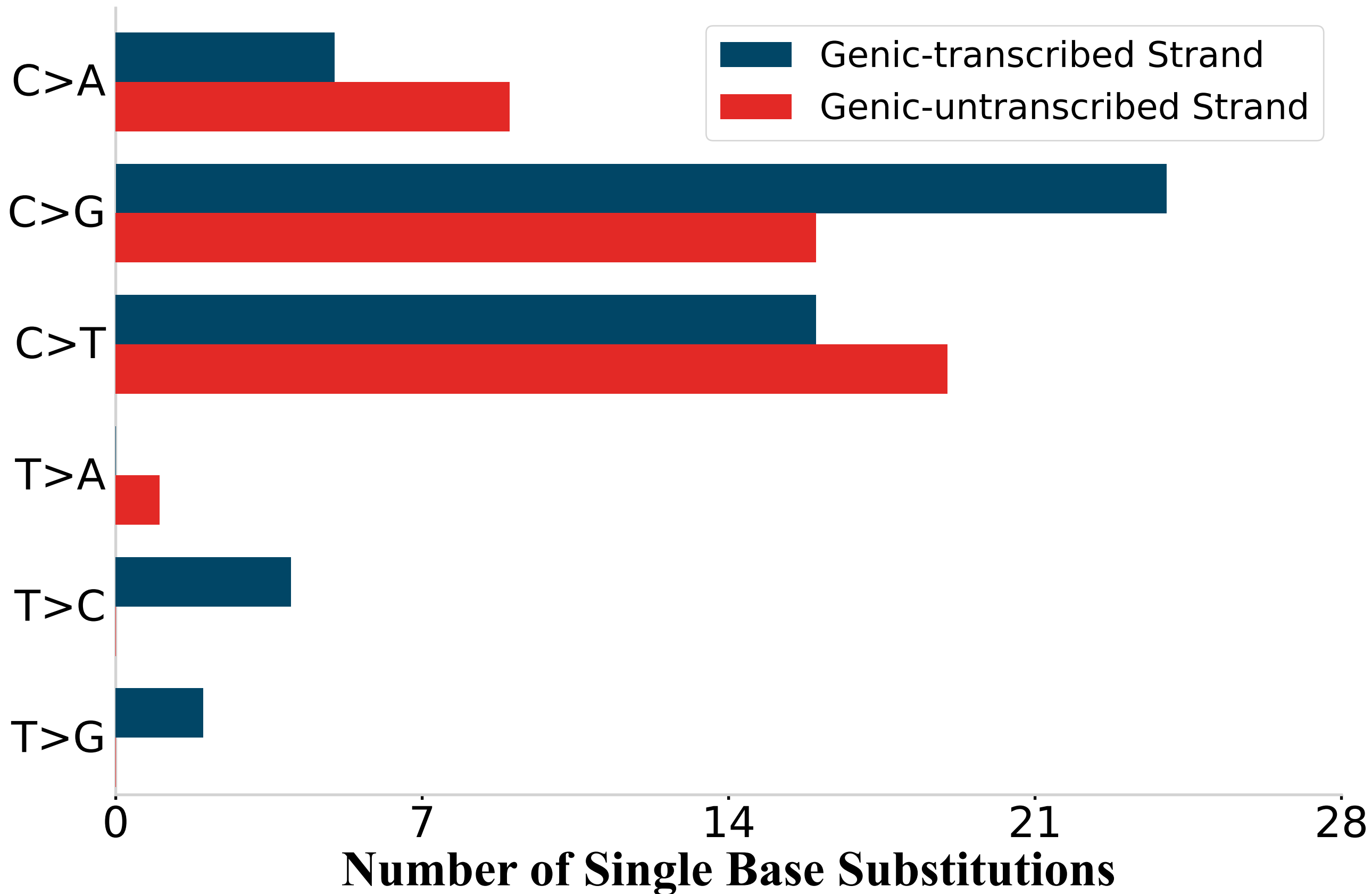
TCGA-BT-A20N-01A-11D-A14W-08: 299 transcribed



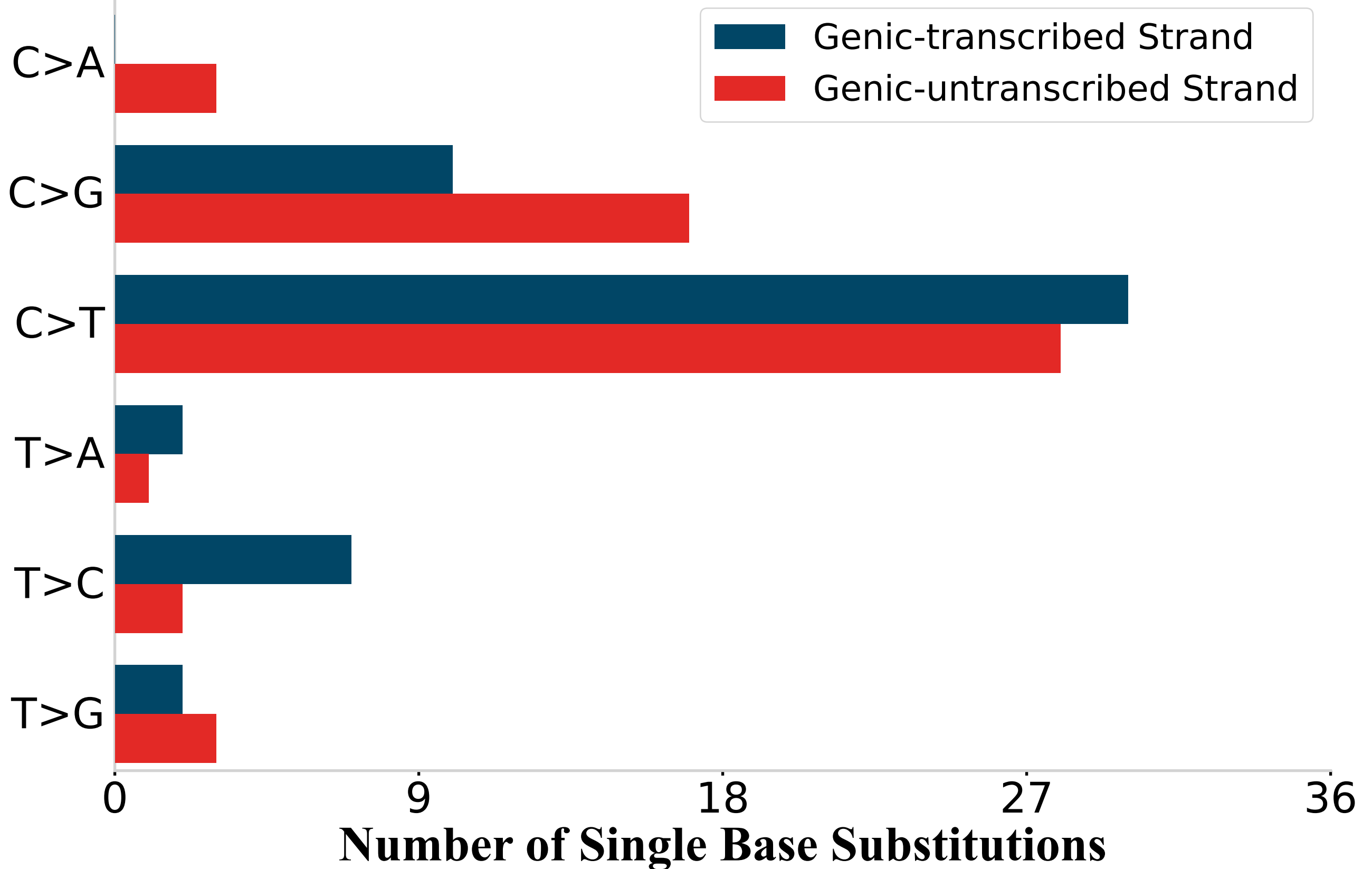
TCGA-BT-A20O-01A-21D-A14W-08: 200 transcribe



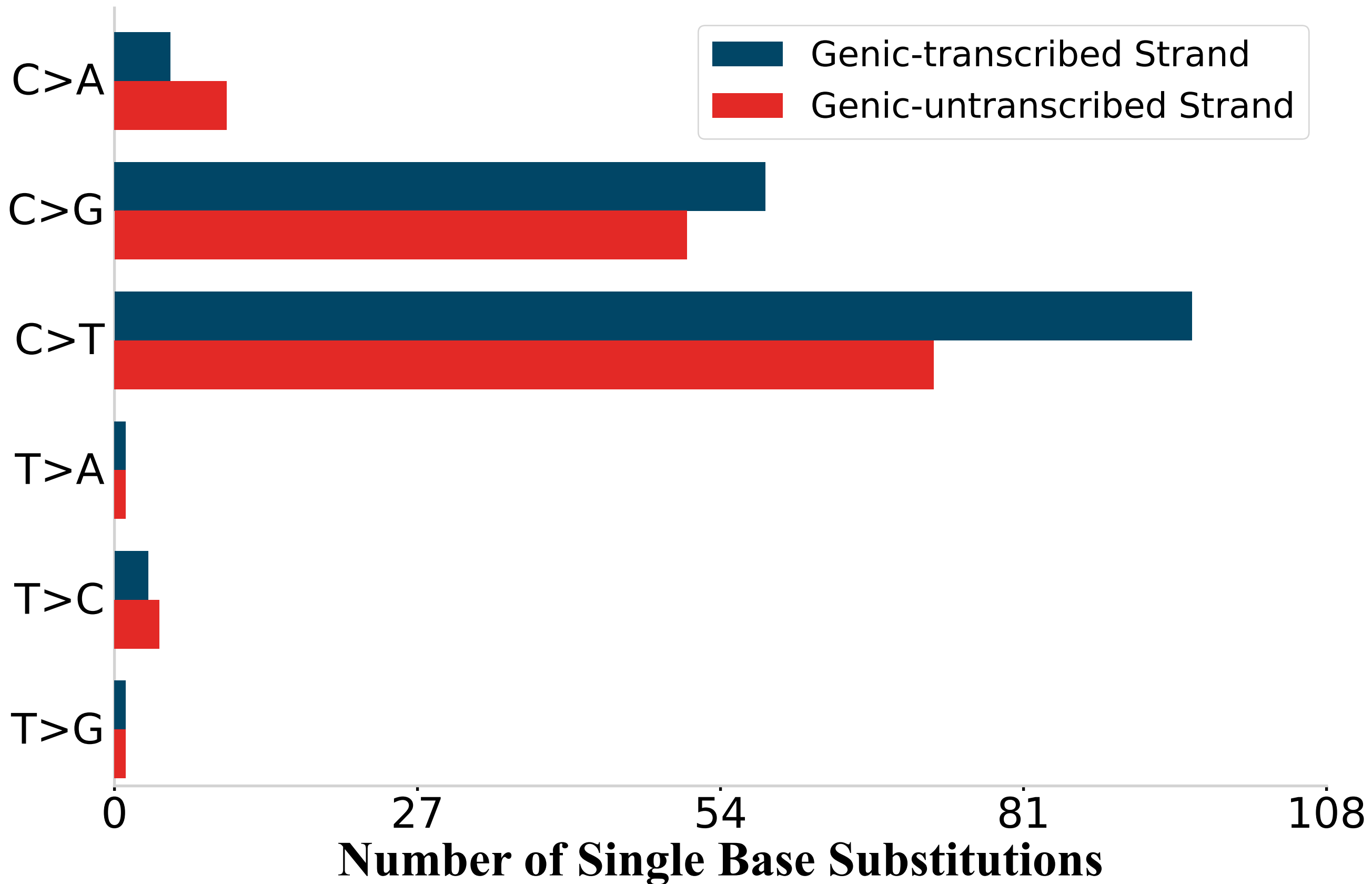
TCGA-BT-A20P-01A-11D-A14W-08: 96 transcribed



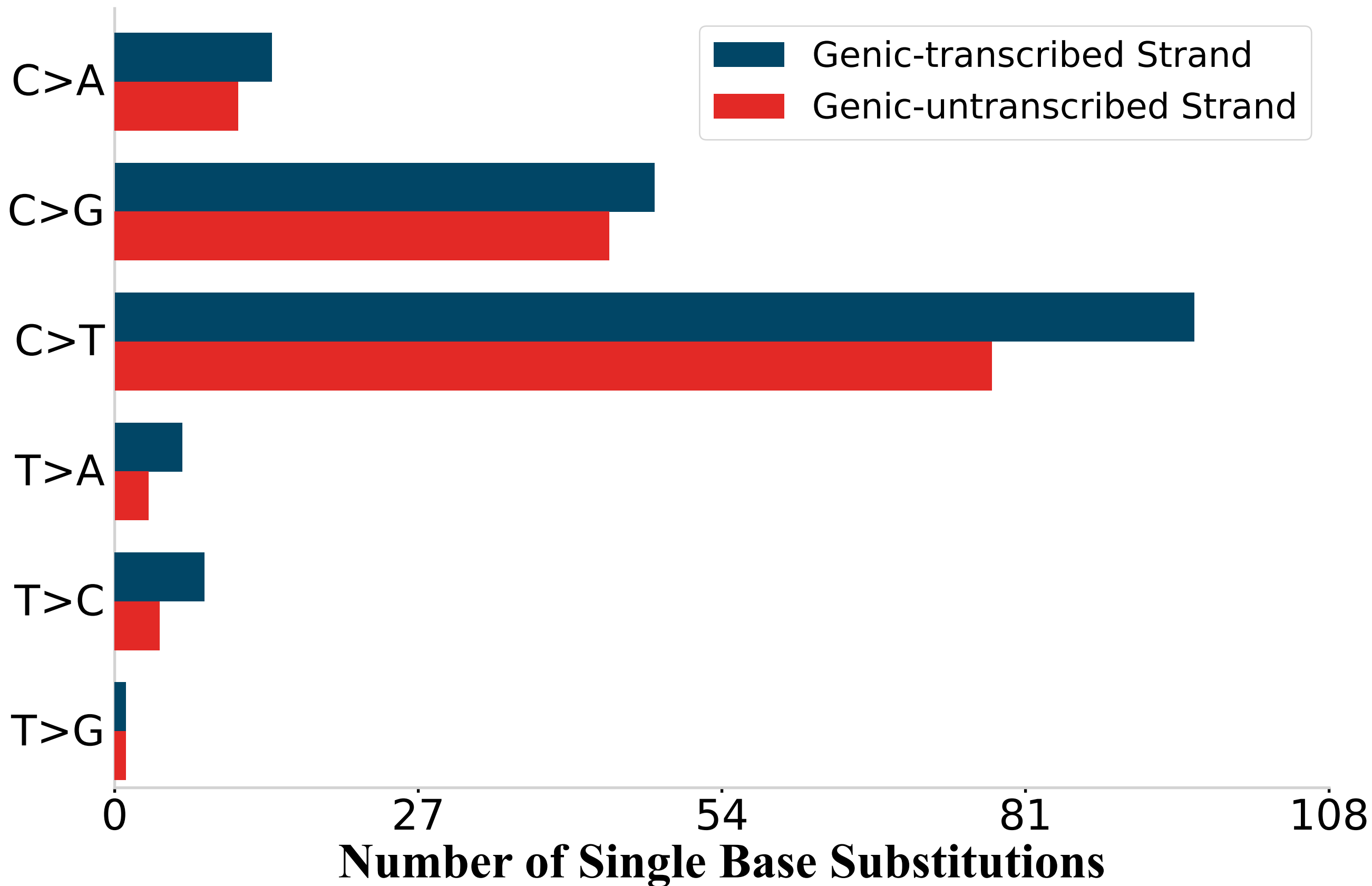
TCGA-BT-A20Q-01A-11D-A14W-08: 105 transcribe



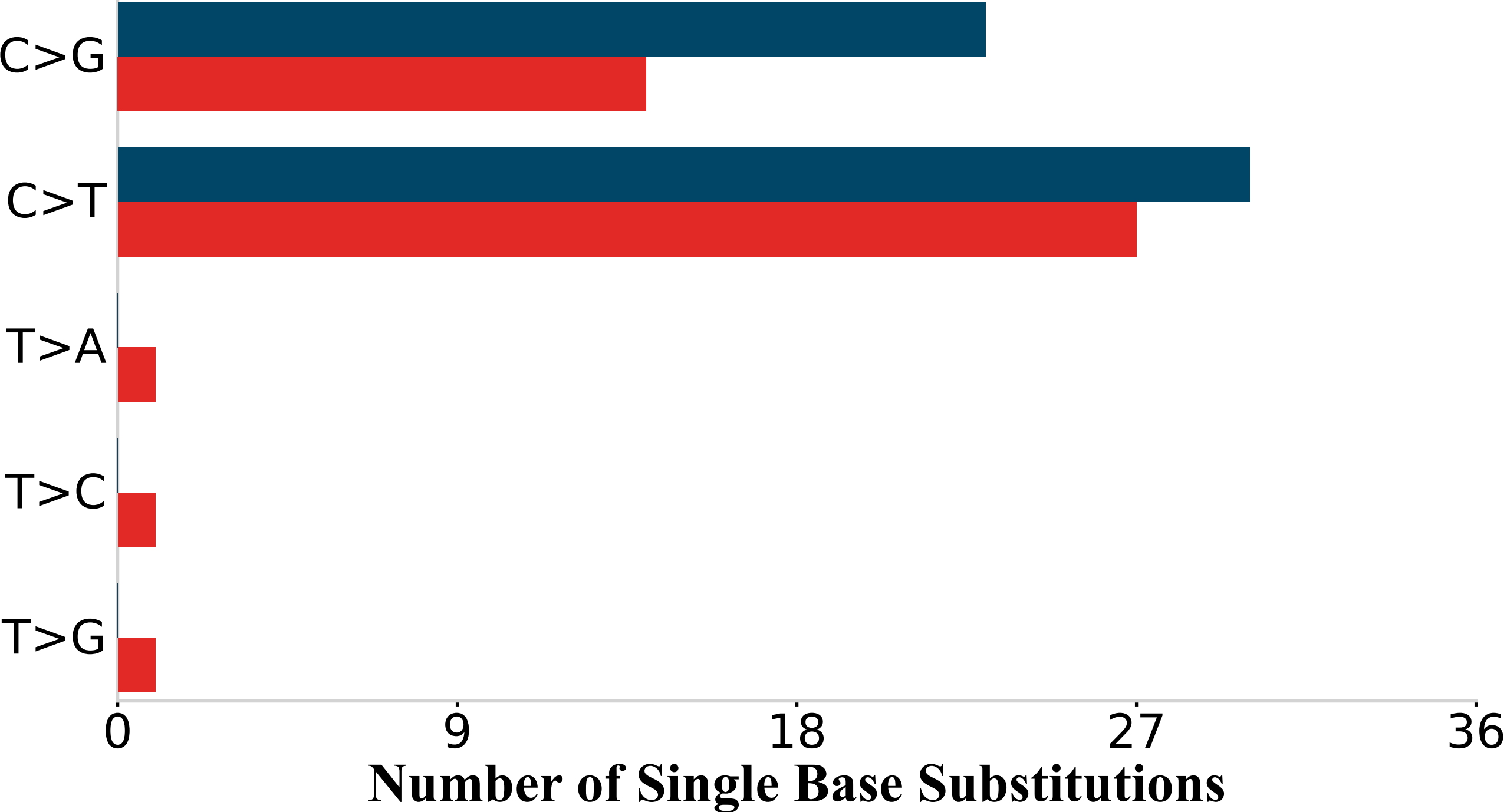
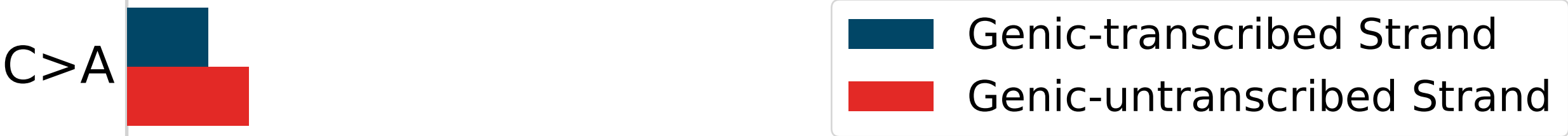
TCGA-BT-A20R-01A-12D-A16O-08: 304 transcribed



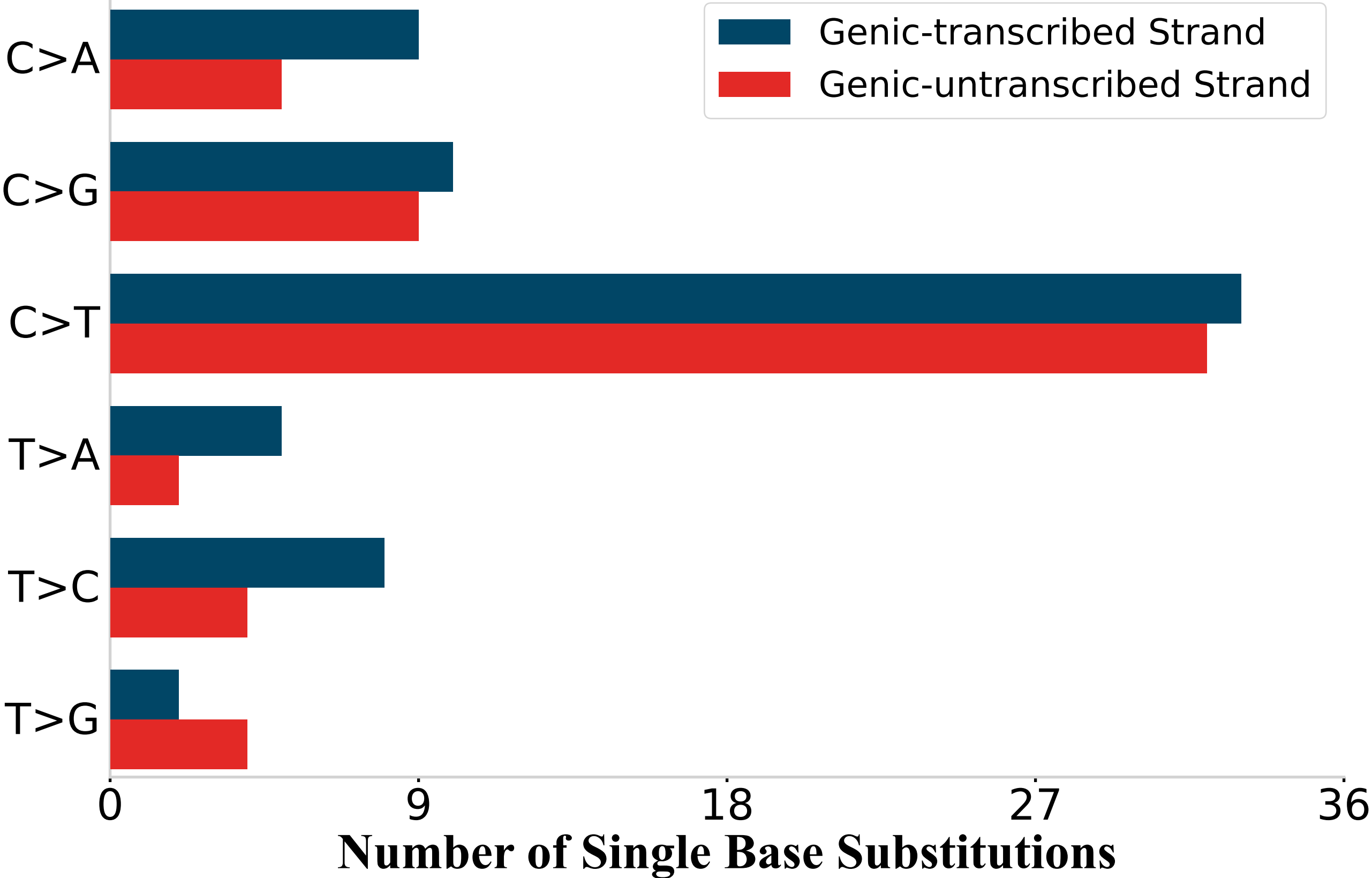
TCGA-BT-A20T-01A-11D-A14W-08: 314 transcribed



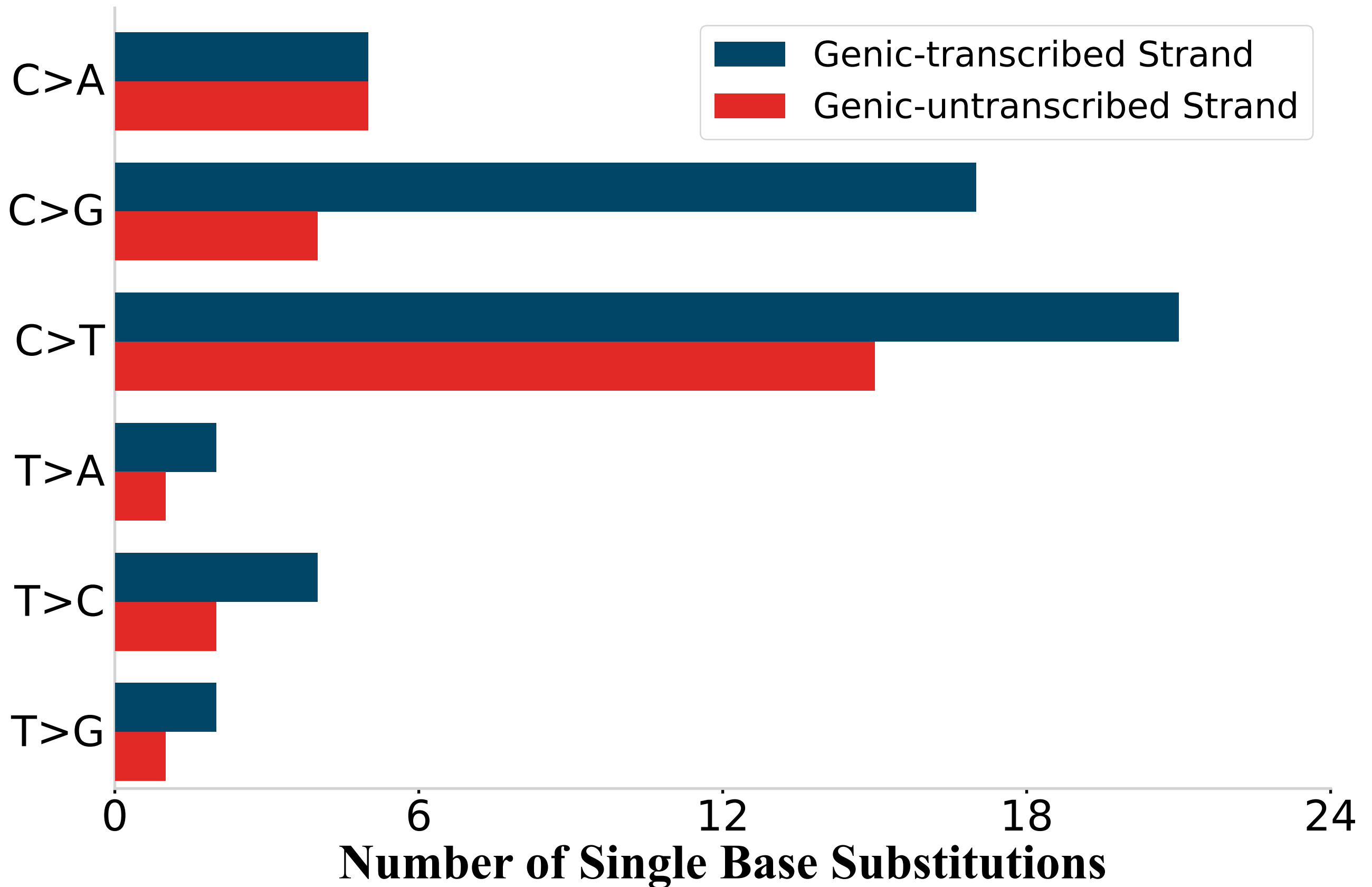
TCGA-BT-A20U-01A-11D-A14W-08: 102 transcribed



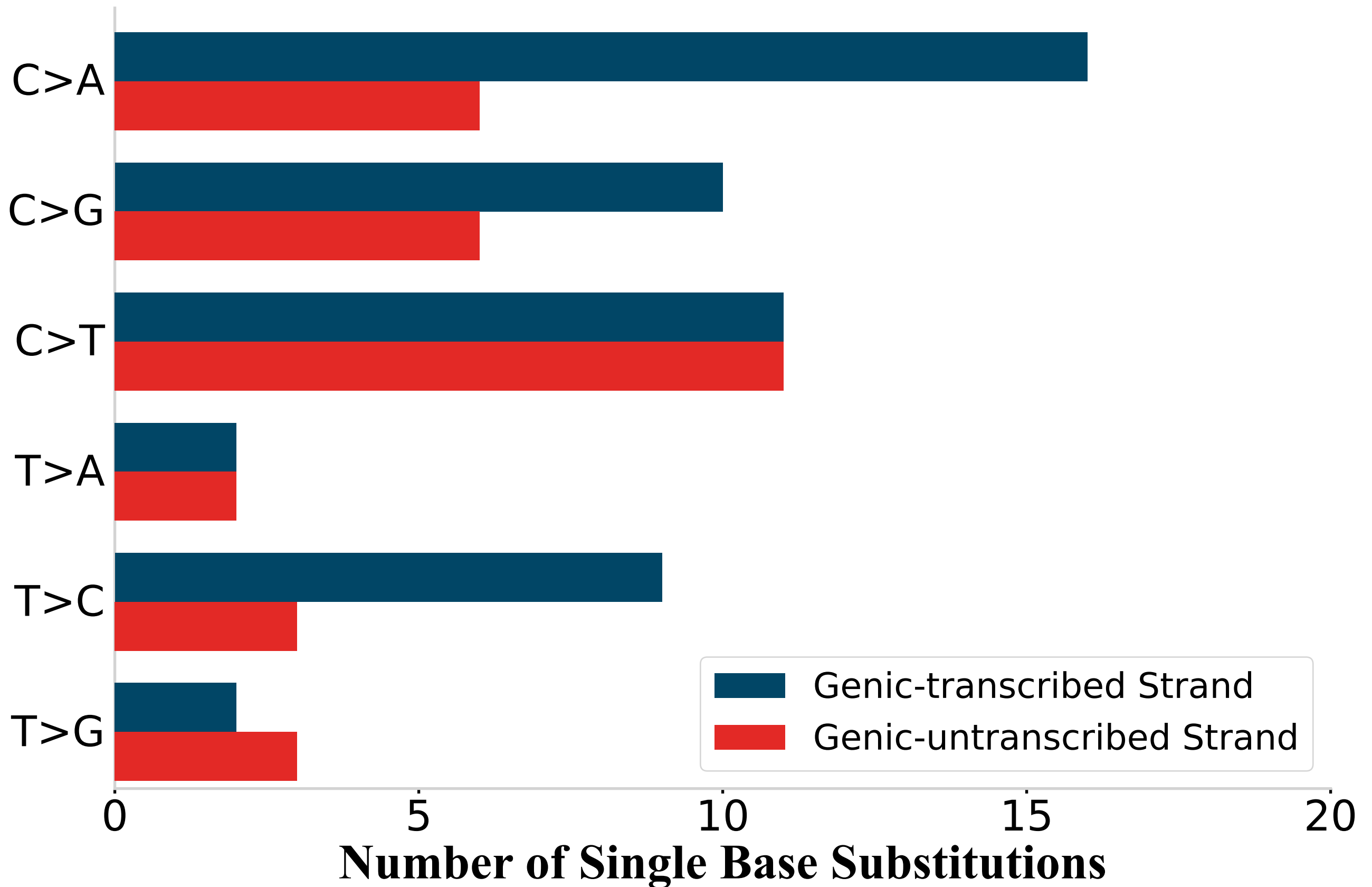
TCGA-BT-A20V-01A-11D-A14W-08: 123 transcribed



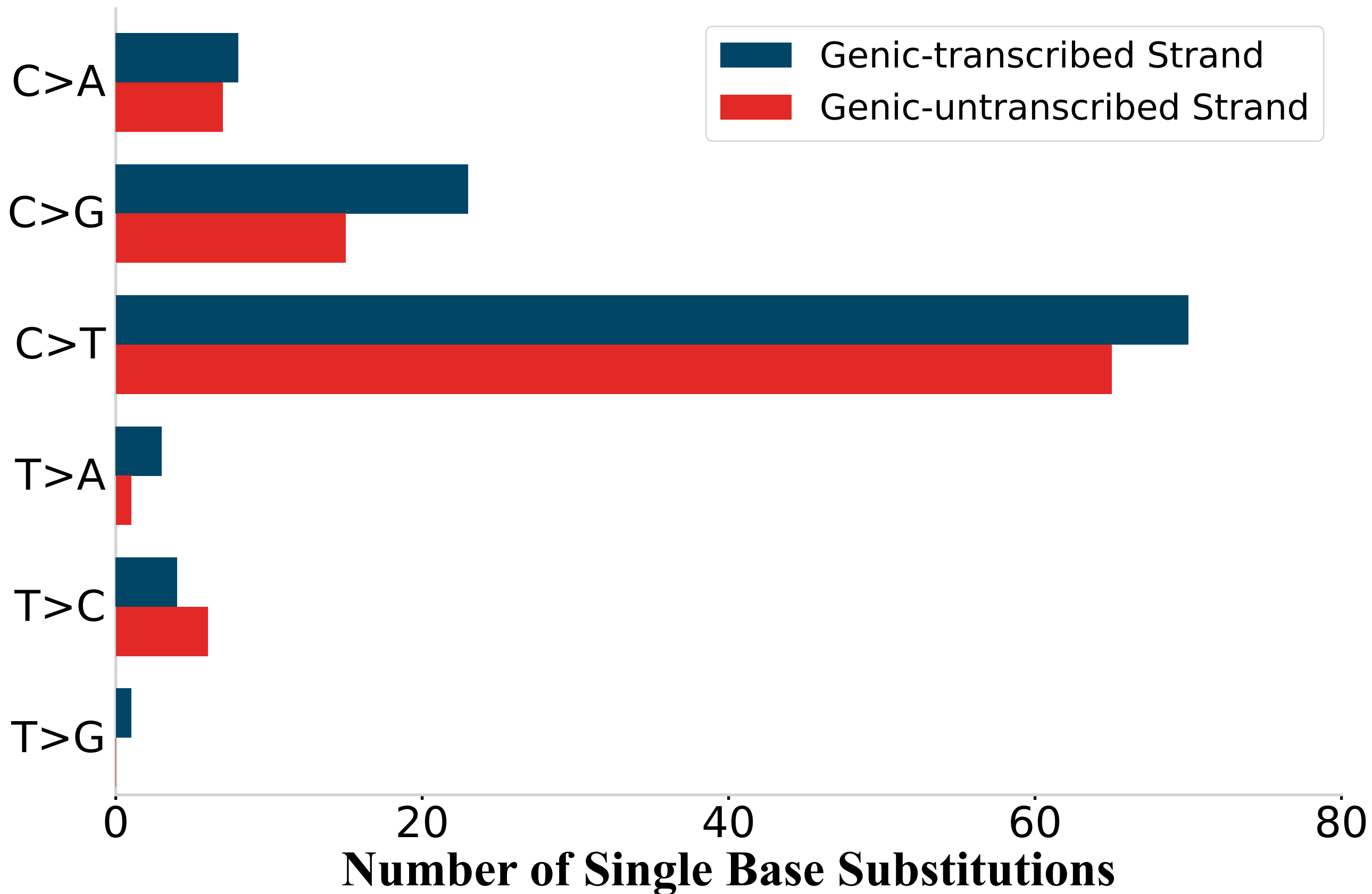
TCGA-BT-A20W-01A-21D-A14W-08: 79 transcribed



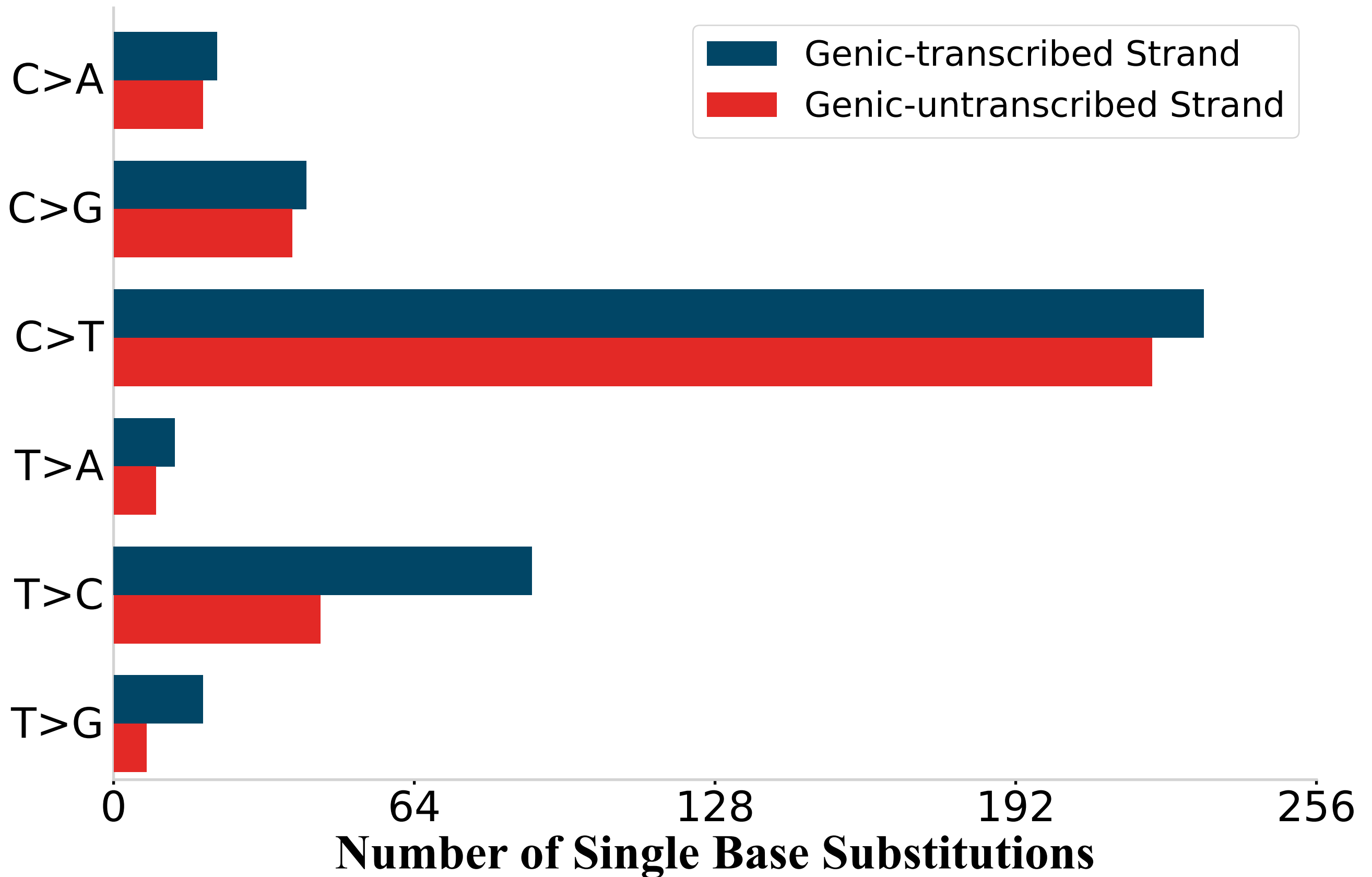
TCGA-BT-A20X-01A-11D-A16O-08: 81 transcribed



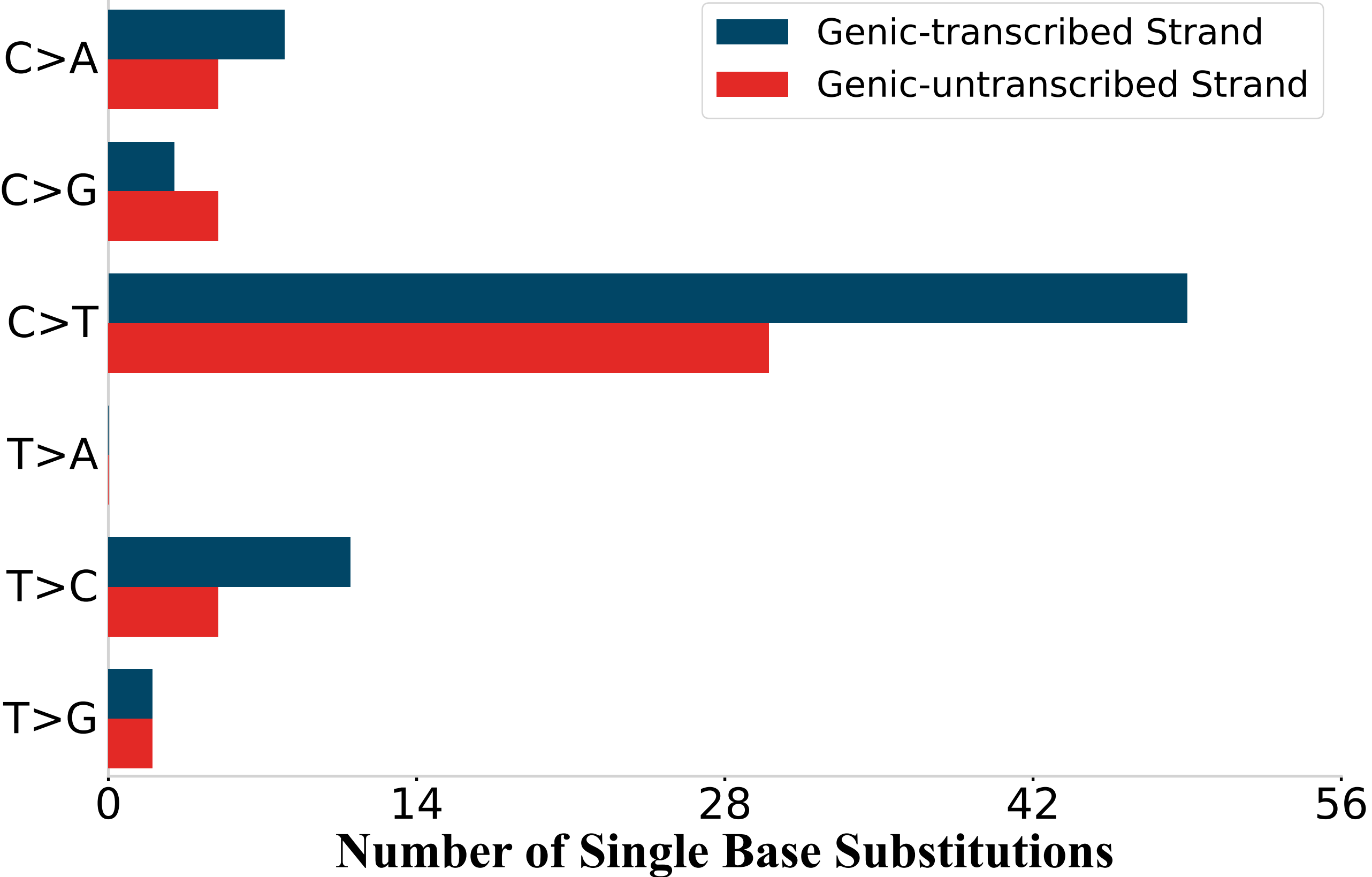
TCGA-BT-A2LA-01A-11D-A18F-08: 203 transcribed



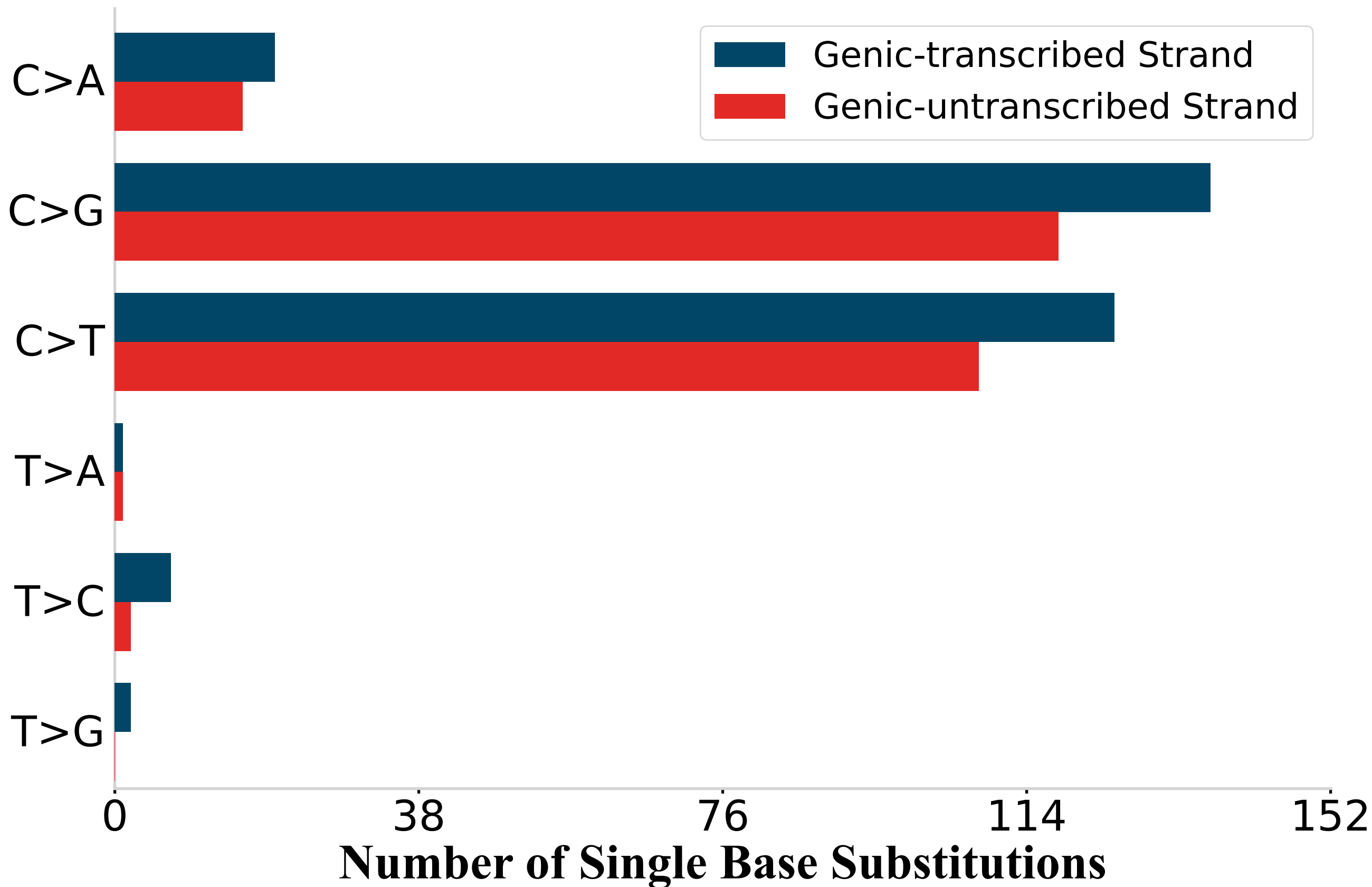
TCGA-BT-A2LB-01A-11D-A18F-08: 754 transcribed



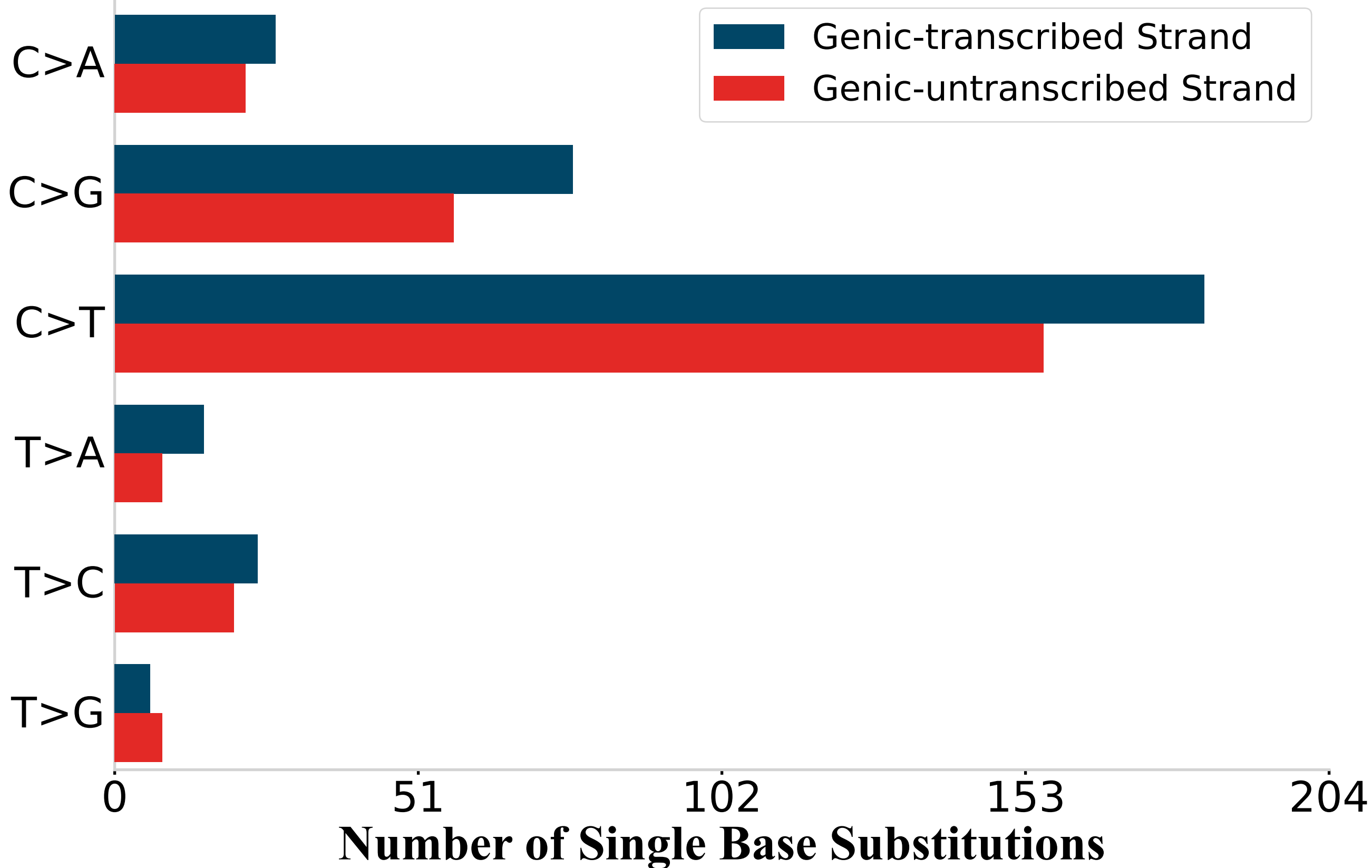
TCGA-BT-A2LD-01A-12D-A20D-08: 120 transcribed



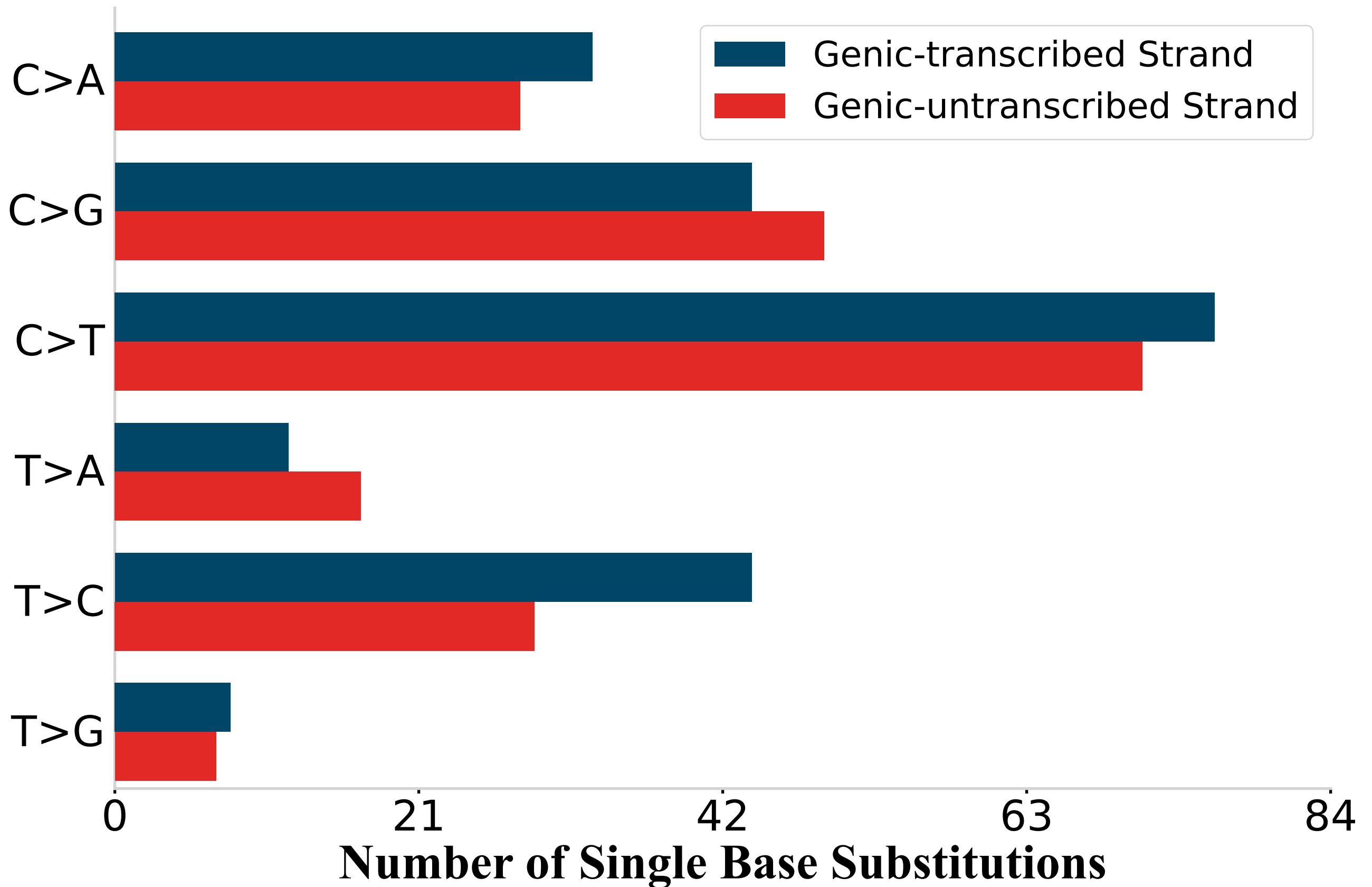
TCGA-BT-A3PH-01A-11D-A21Z-08: 537 transcribed



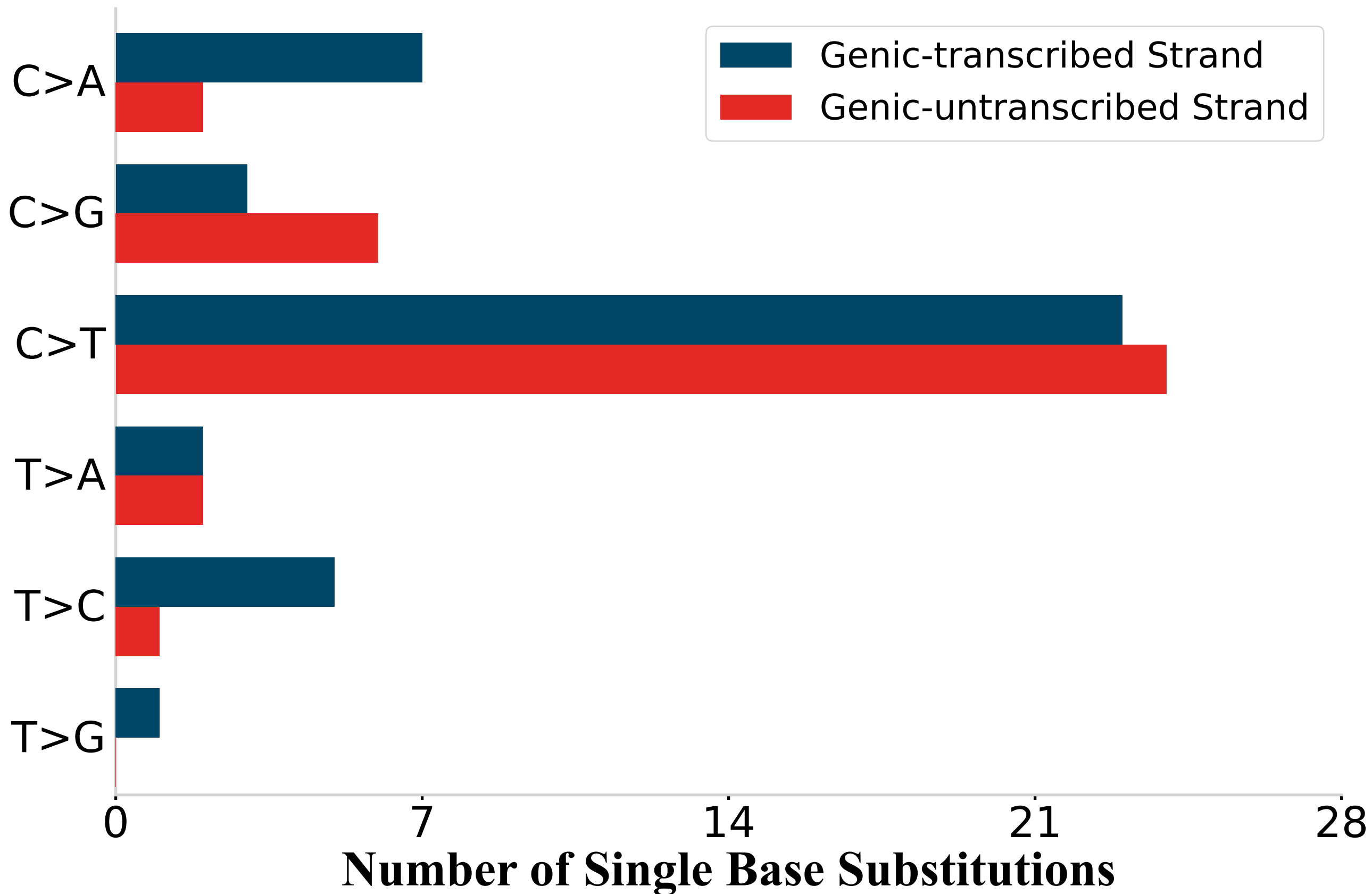
TCGA-BT-A3PJ-01A-21D-A21Z-08: 603 transcribed



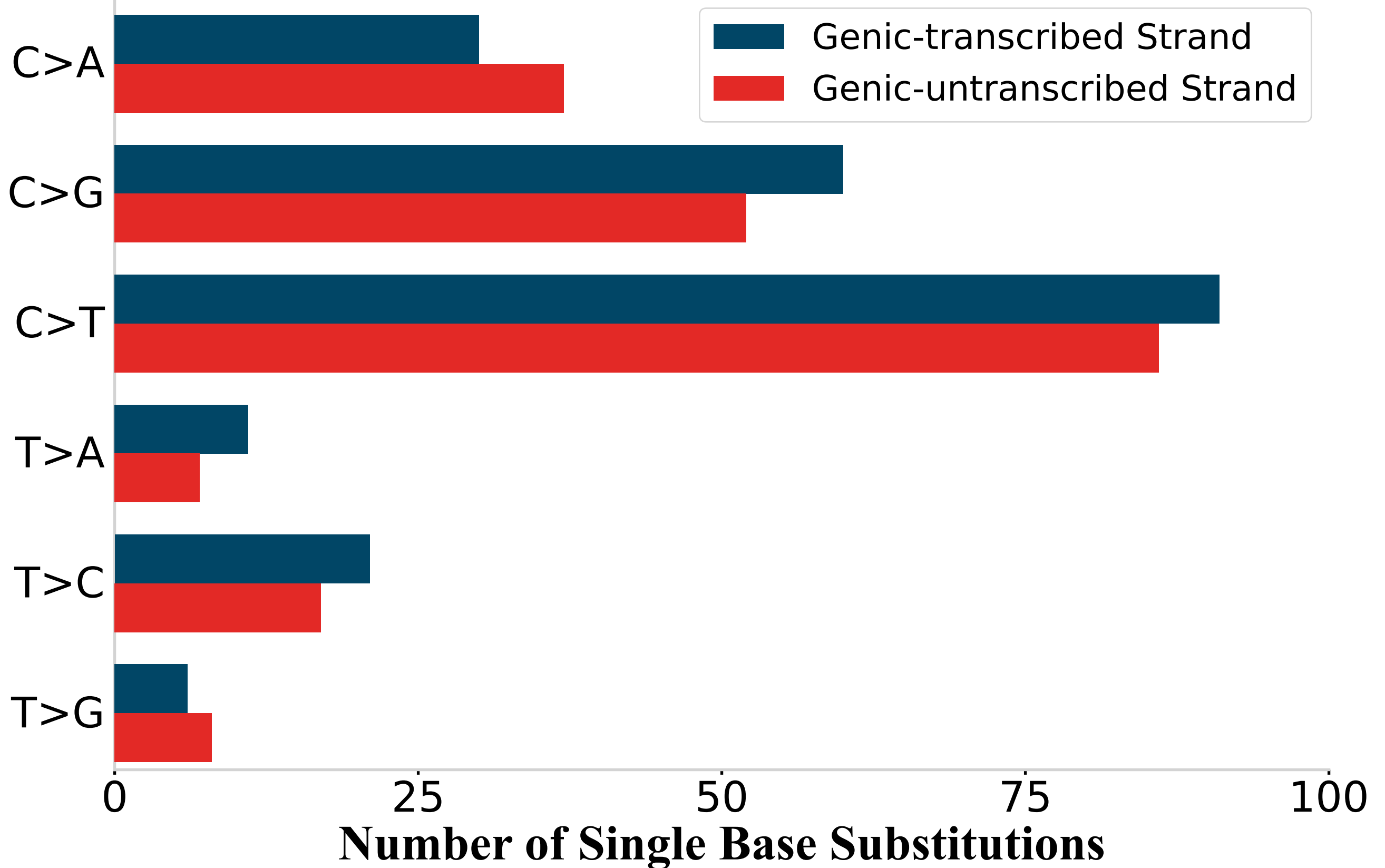
TCGA-BT-A3PK-01A-21D-A21Z-08: 418 transcribed



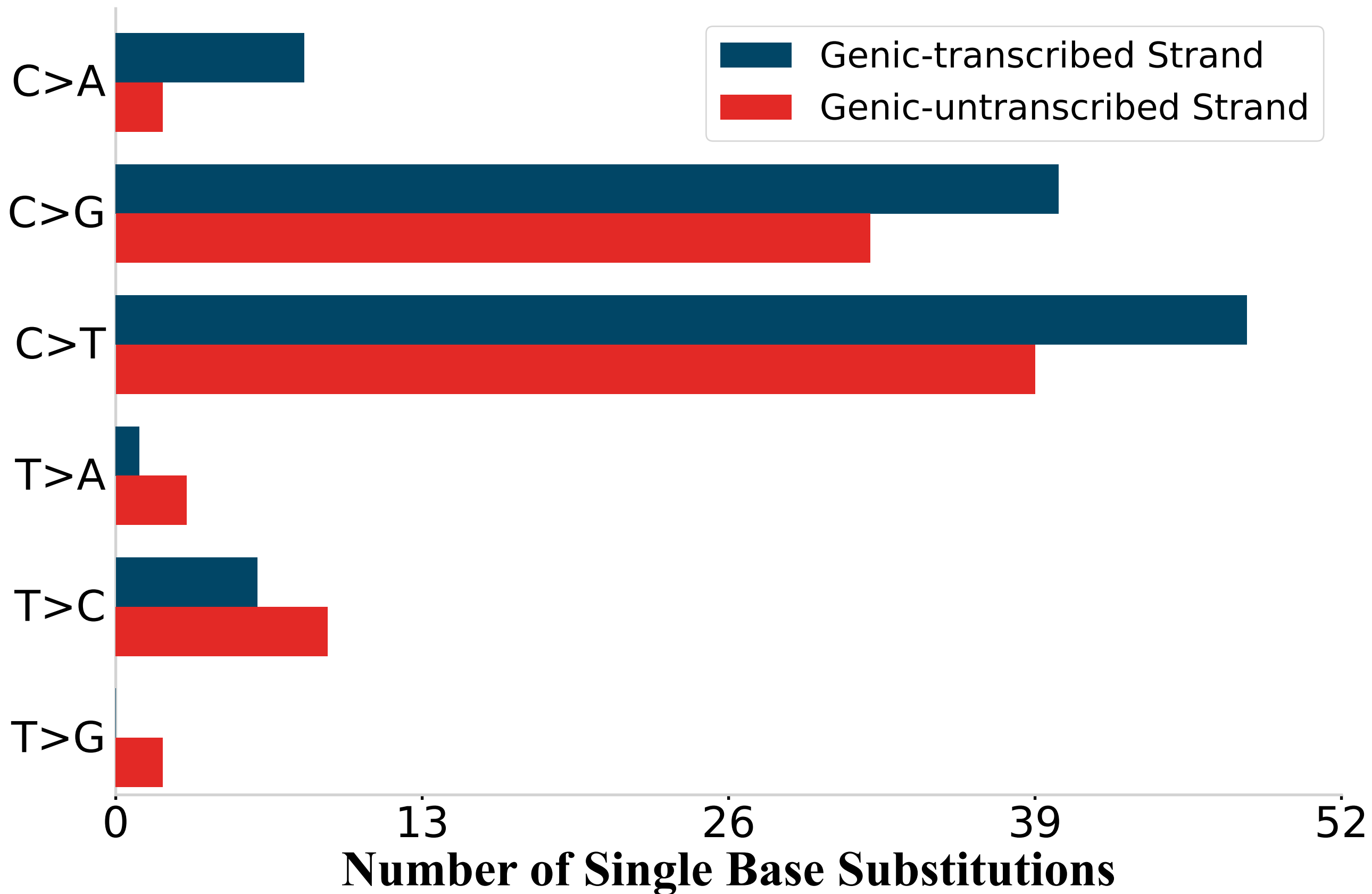
TCGA-BT-A42B-01A-32D-A23M-08: 76 transcribed



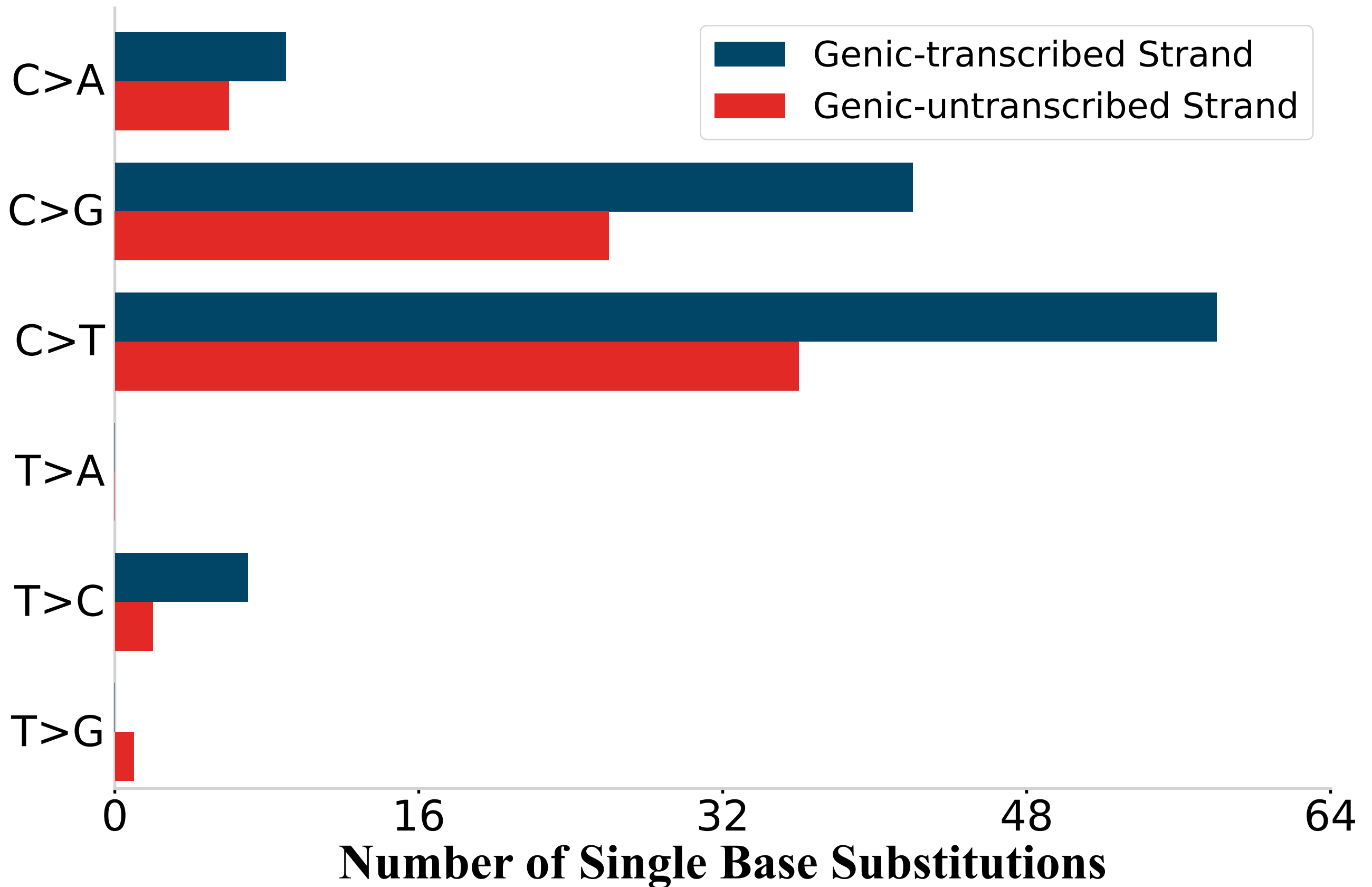
TCGA-BT-A42C-01A-11D-A23M-08: 426 transcribed



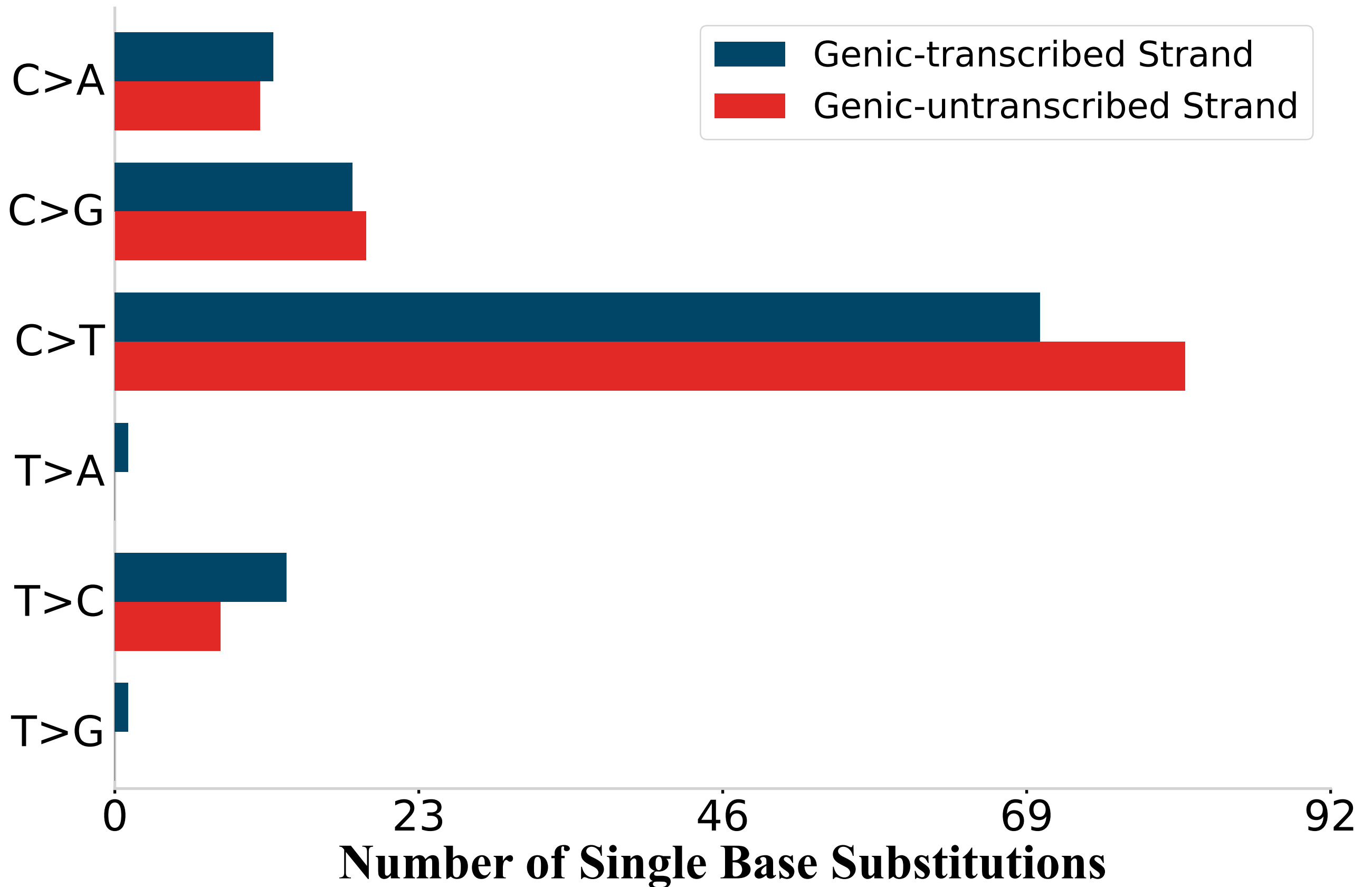
TCGA-BT-A42E-01A-11D-A23U-08: 190 transcribed



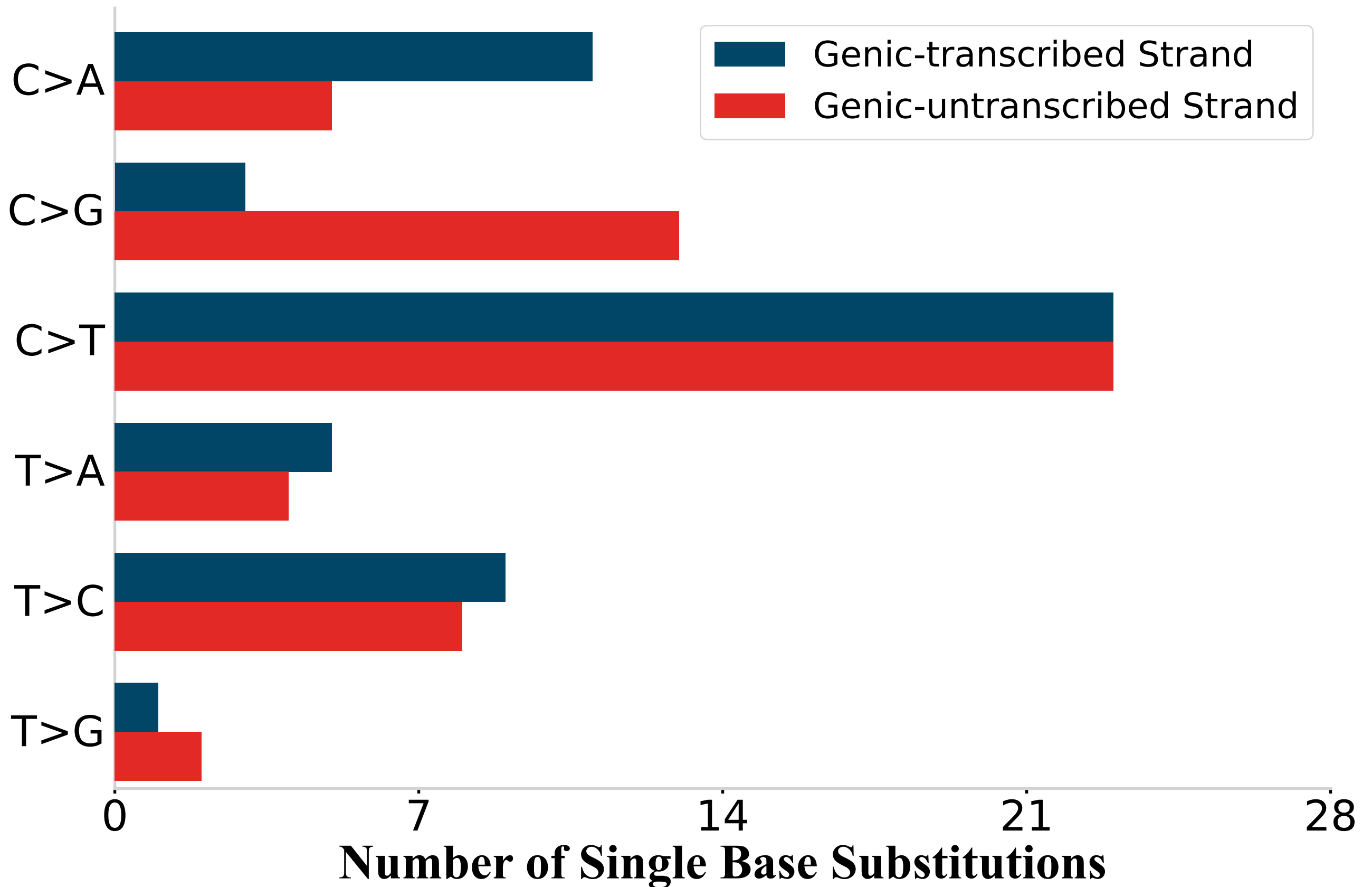
TCGA-BT-A42F-01A-11D-A23U-08: 187 transcribed



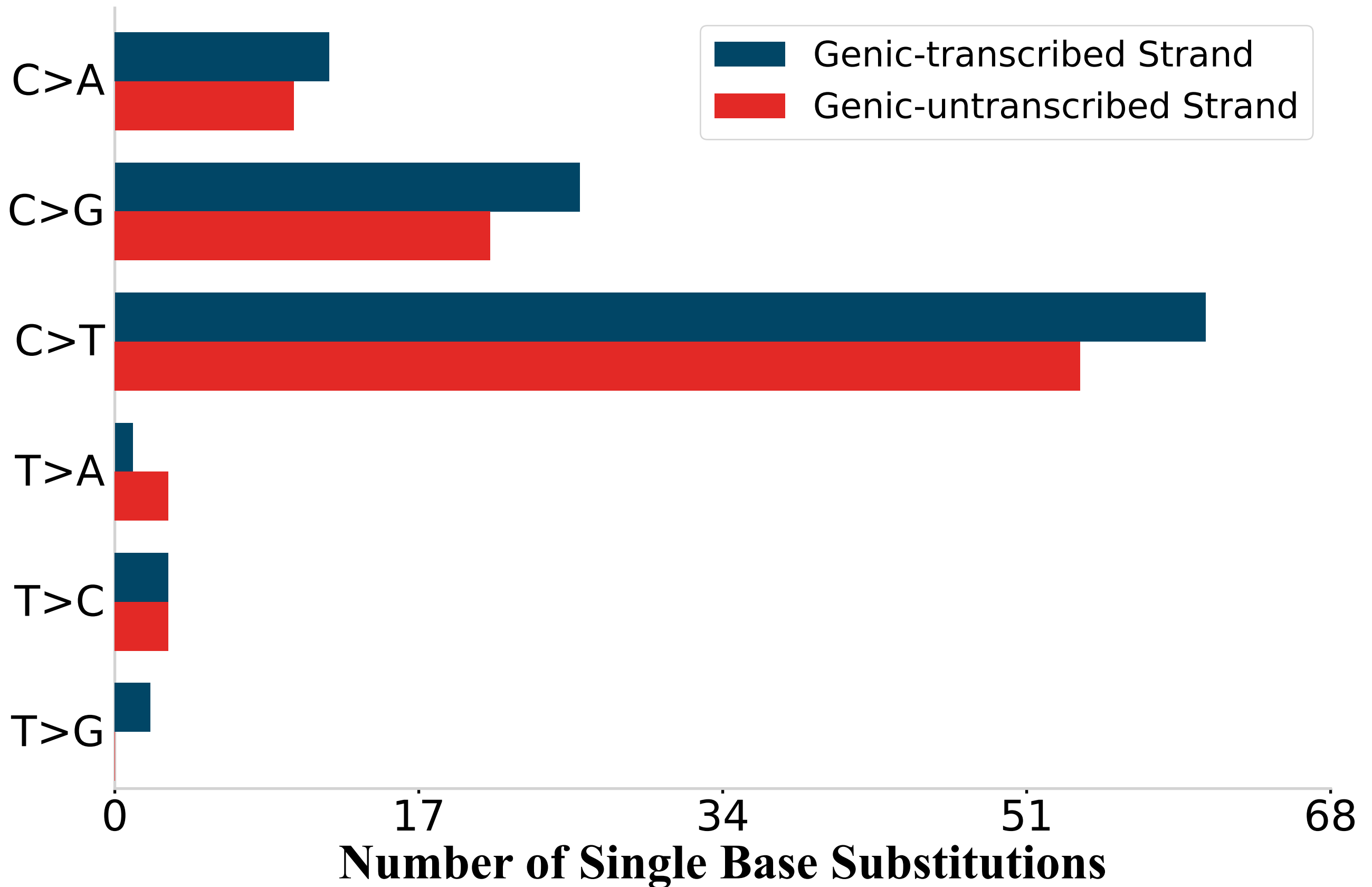
TCGA-C4-A0EZ-01A-21D-A10S-08: 234 transcribed



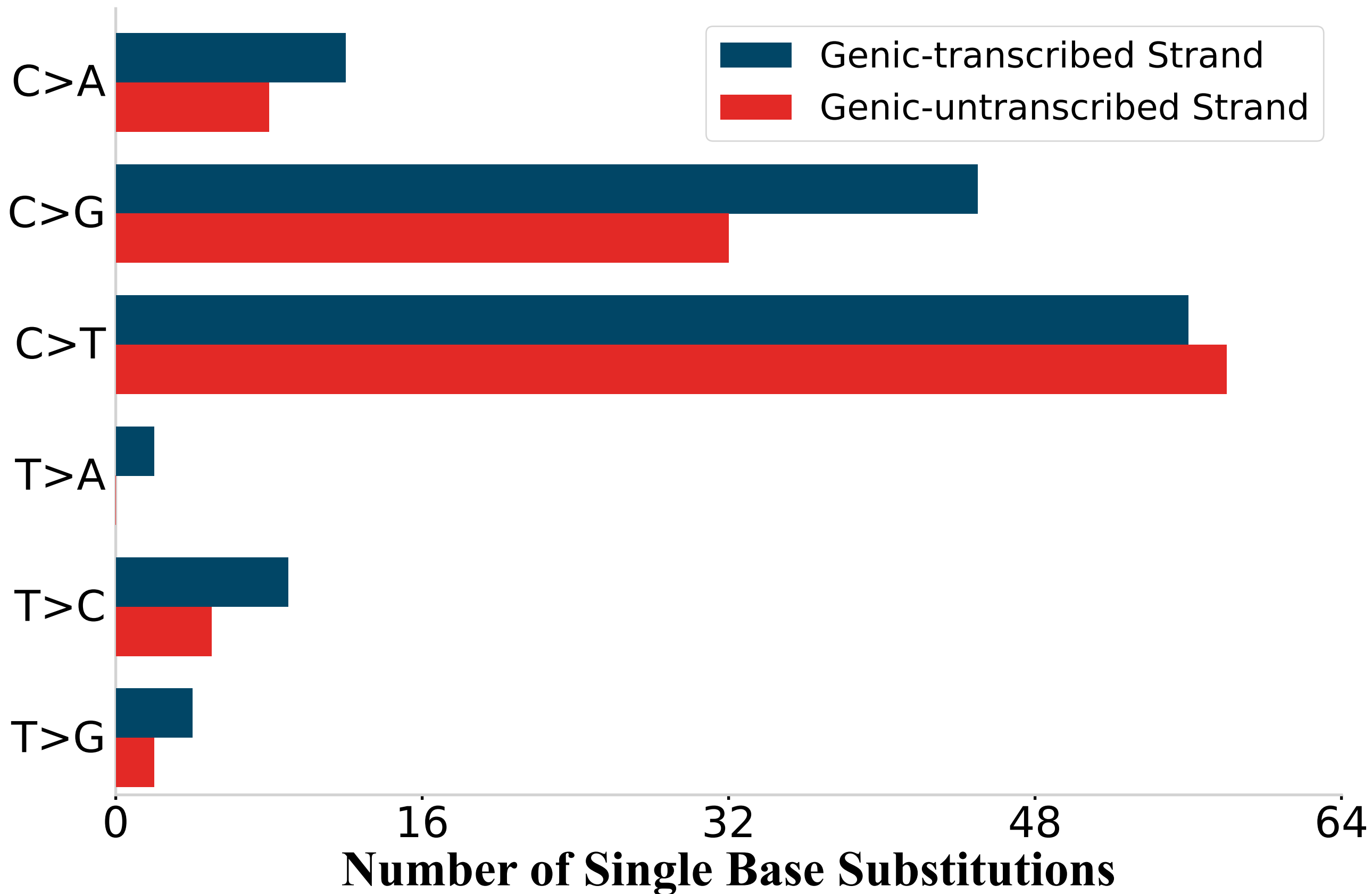
TCGA-C4-A0F0-01A-12D-A10S-08: 107 transcribed



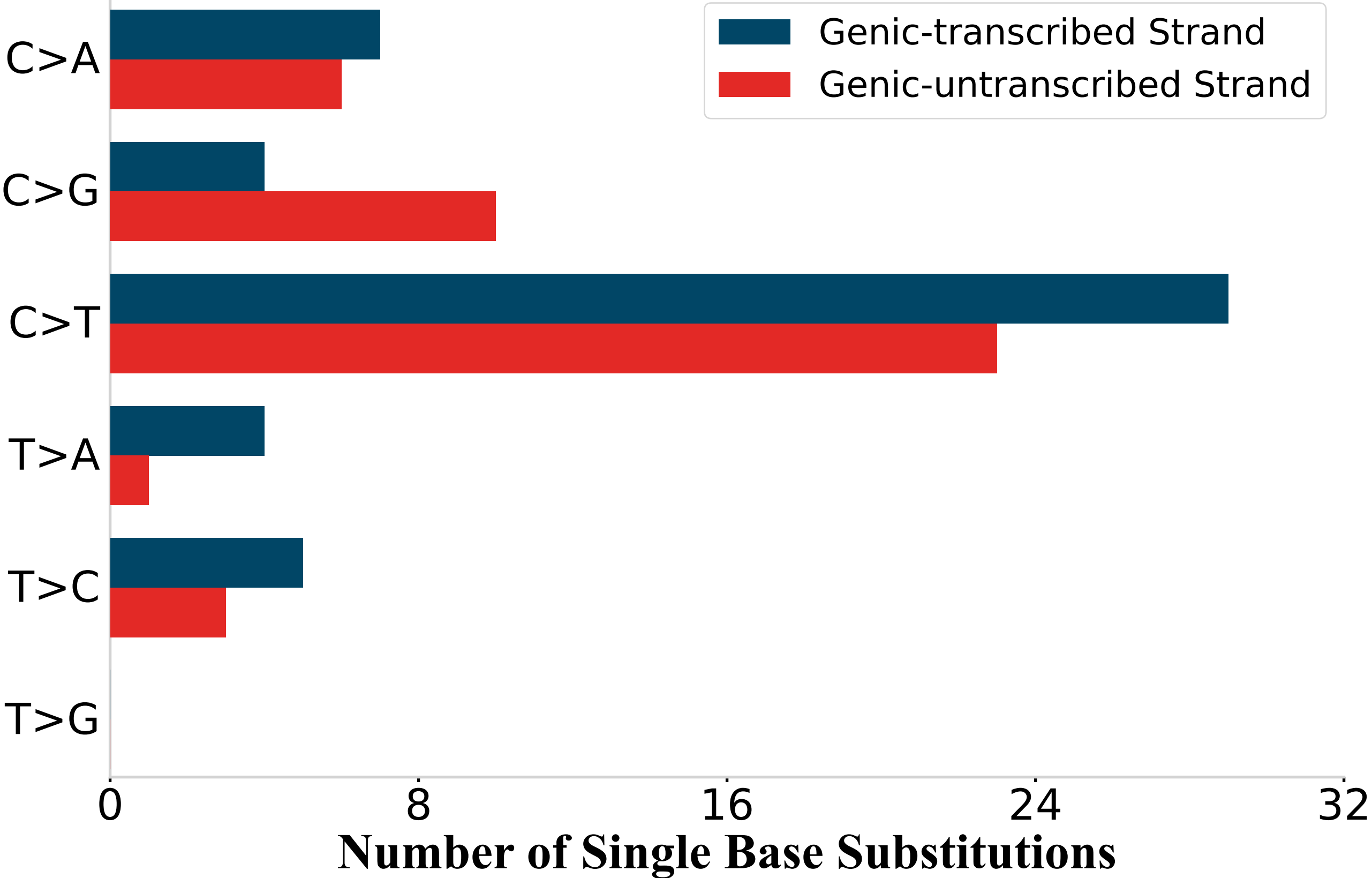
TCGA-C4-A0F1-01A-11D-A10S-08: 196 transcribed



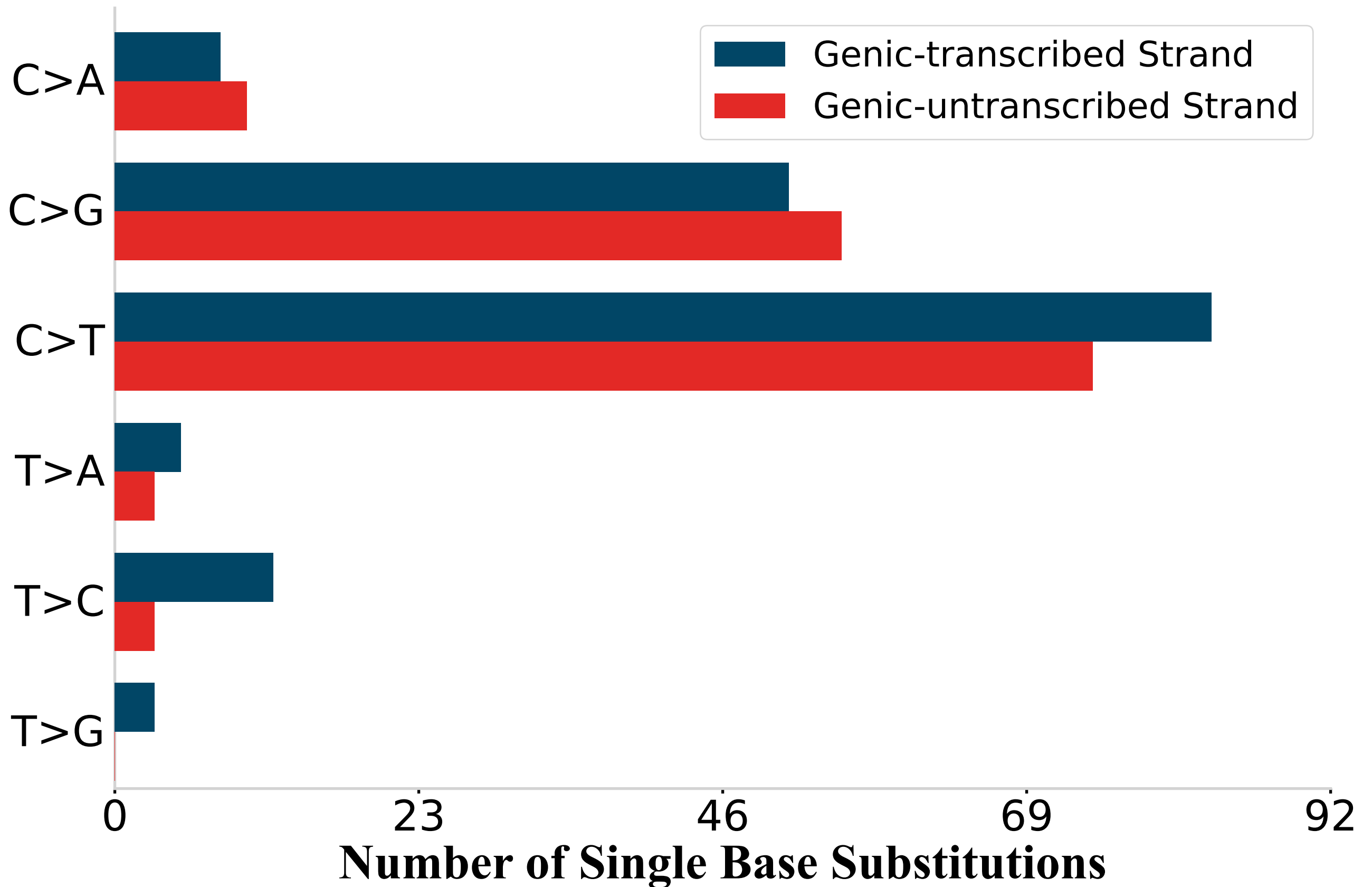
TCGA-C4-A0F6-01A-11D-A10S-08: 233 transcribed



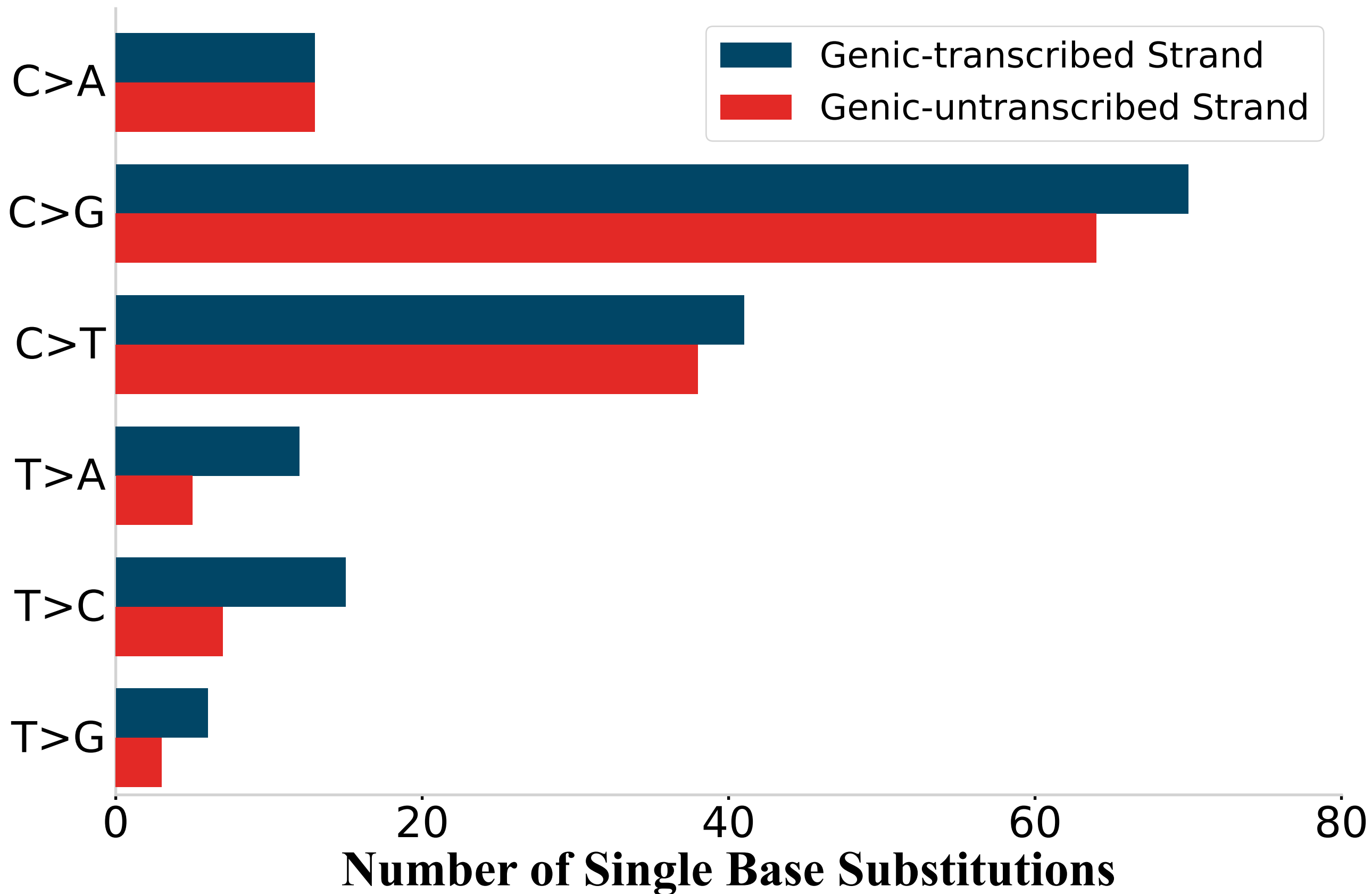
TCGA-C4-A0F7-01A-11D-A10S-08: 92 transcribed s



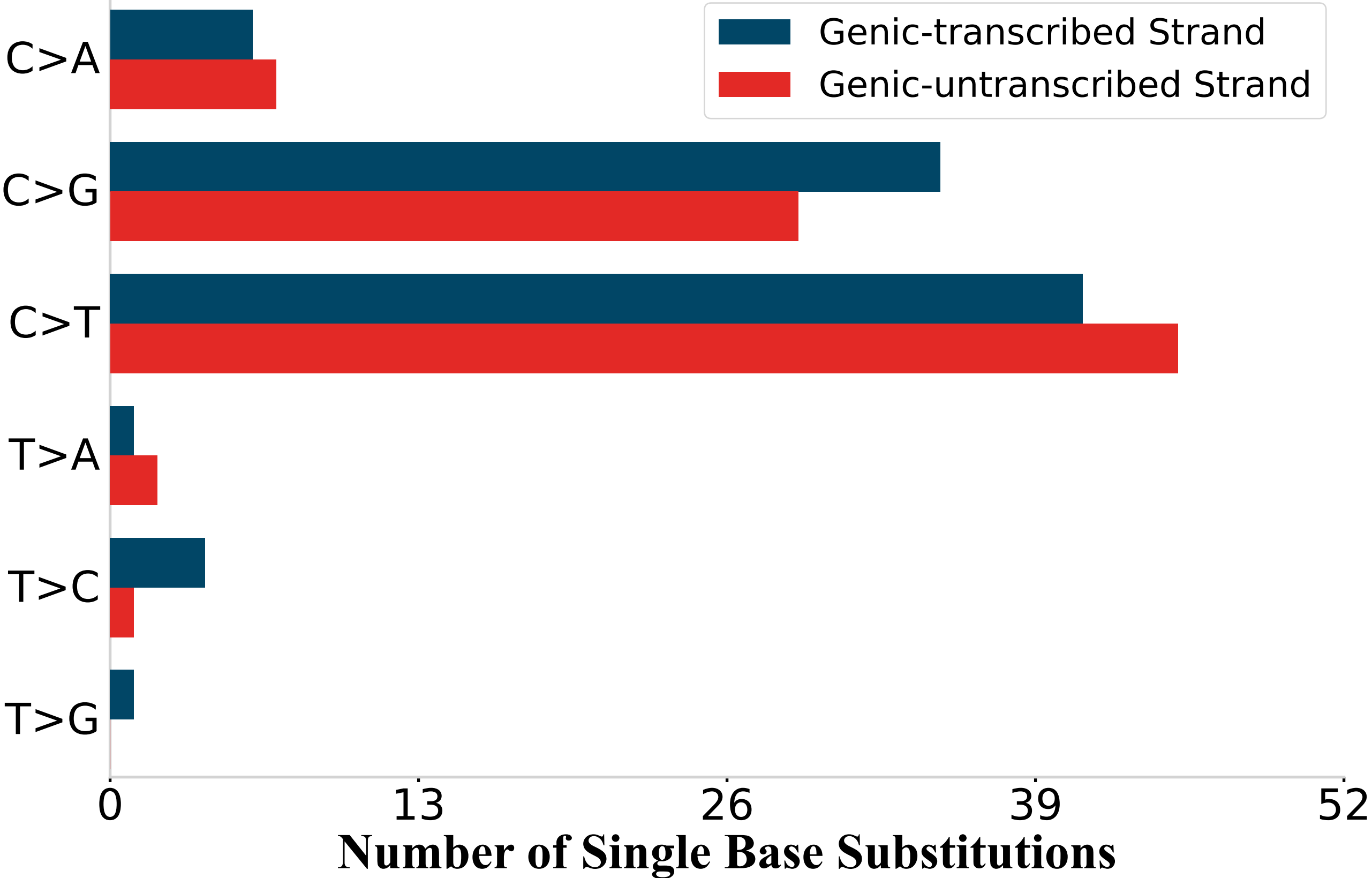
TCGA-CF-A1HR-01A-11D-A13W-08: 307 transcribed



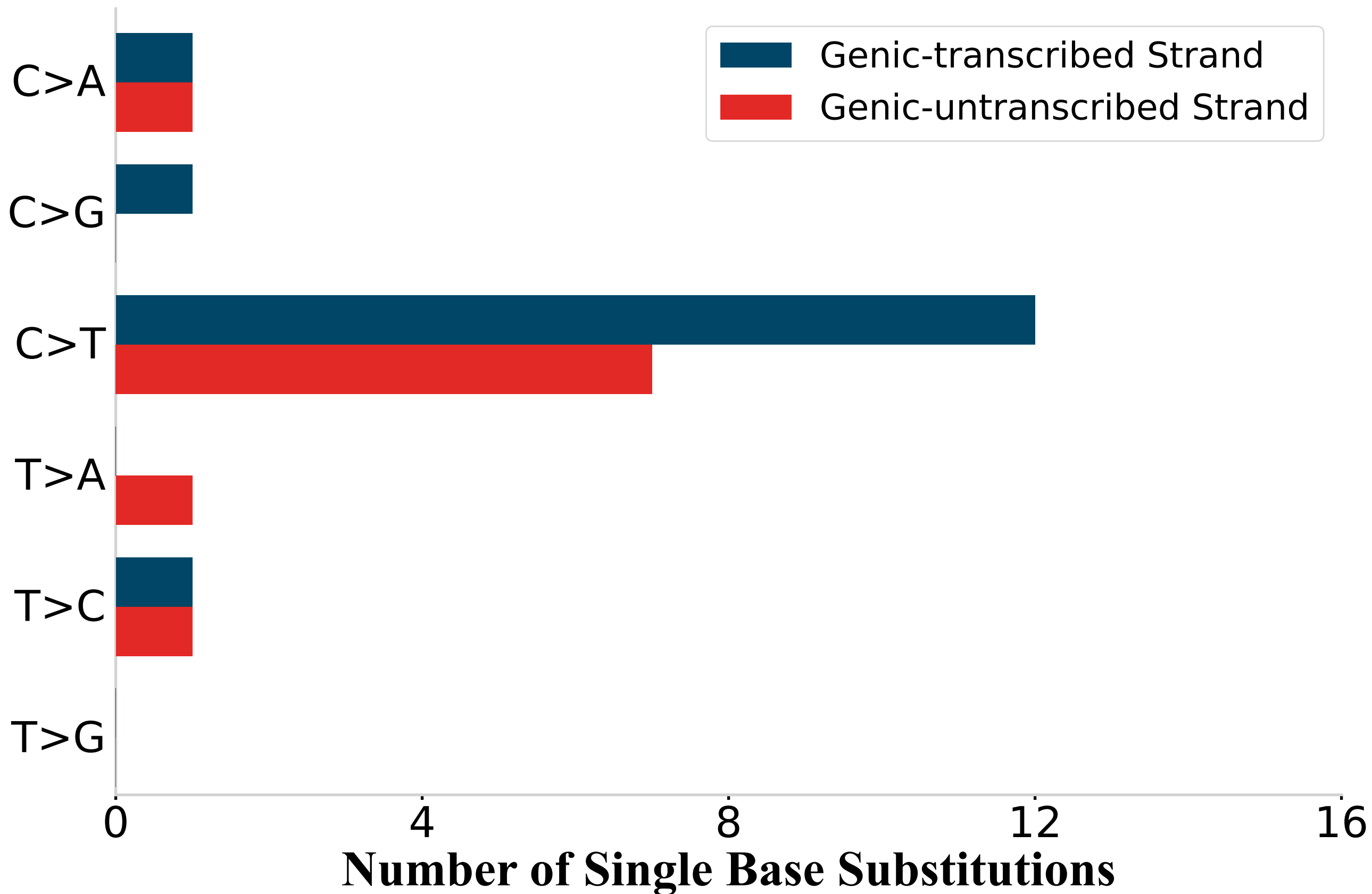
TCGA-CF-A1HS-01A-11D-A13W-08: 287 transcribe



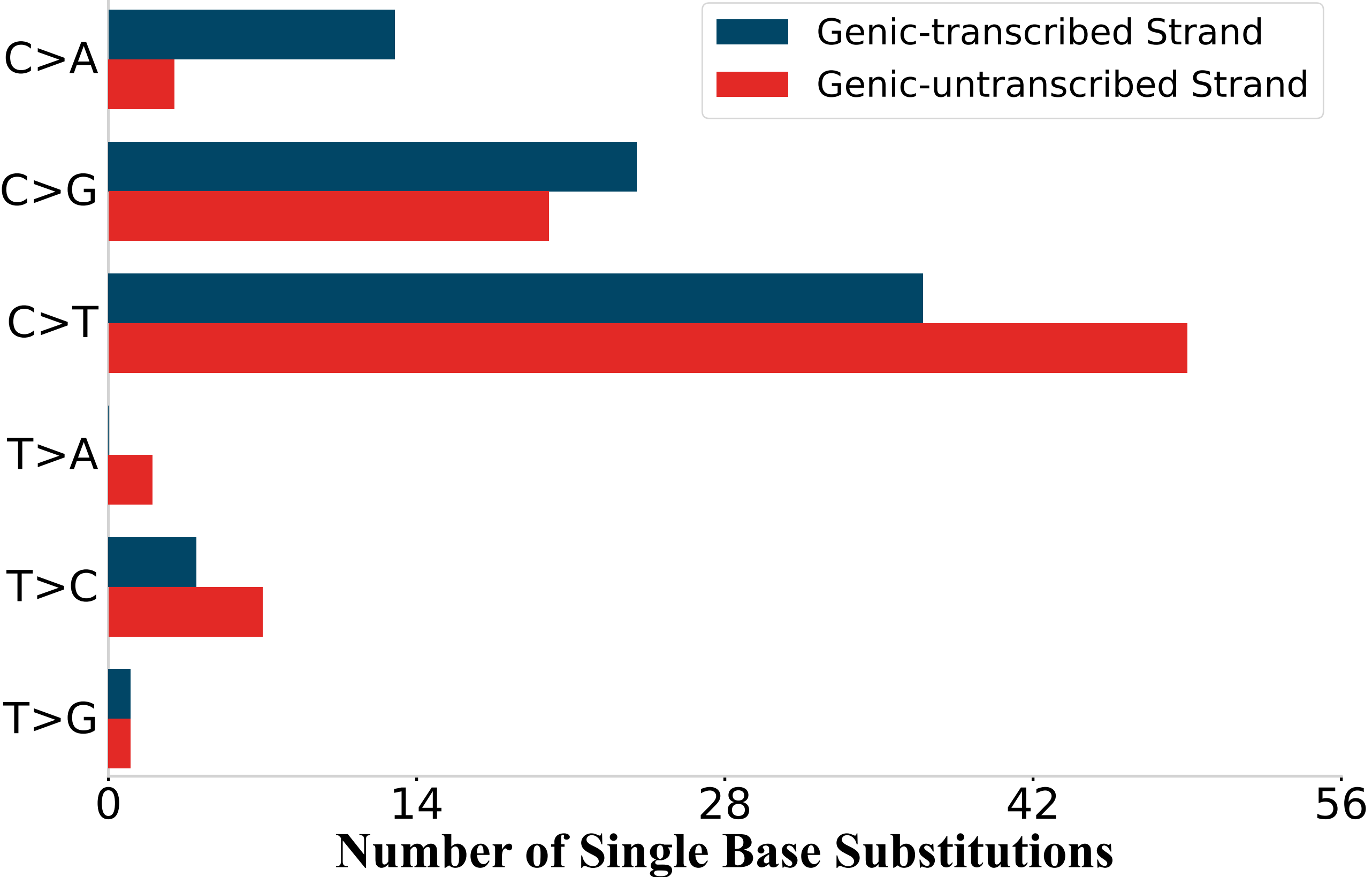
TCGA-CF-A27C-01A-11D-A16O-08: 172 transcribed



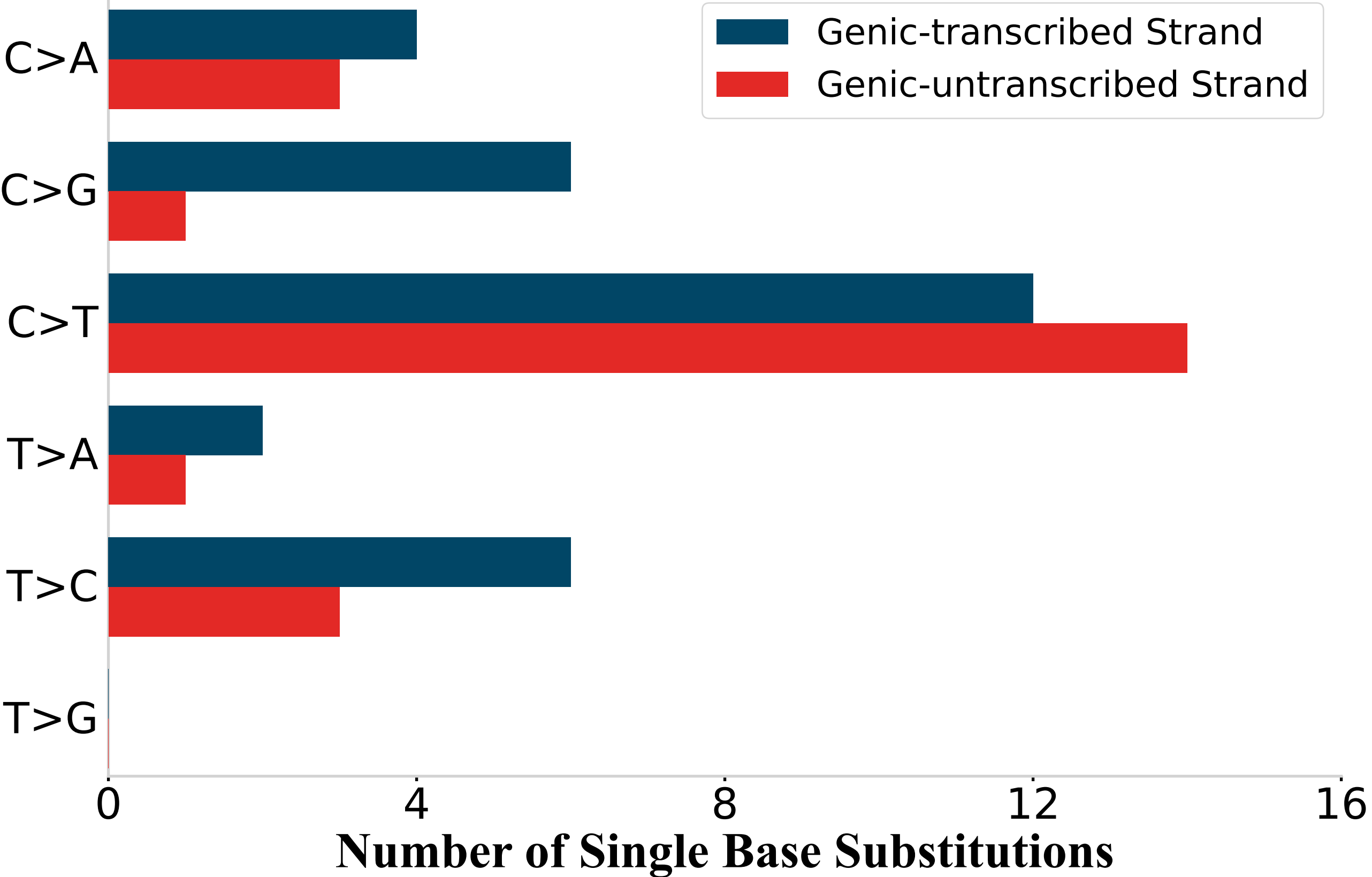
TCGA-CF-A3MF-01A-12D-A21A-08: 25 transcribed



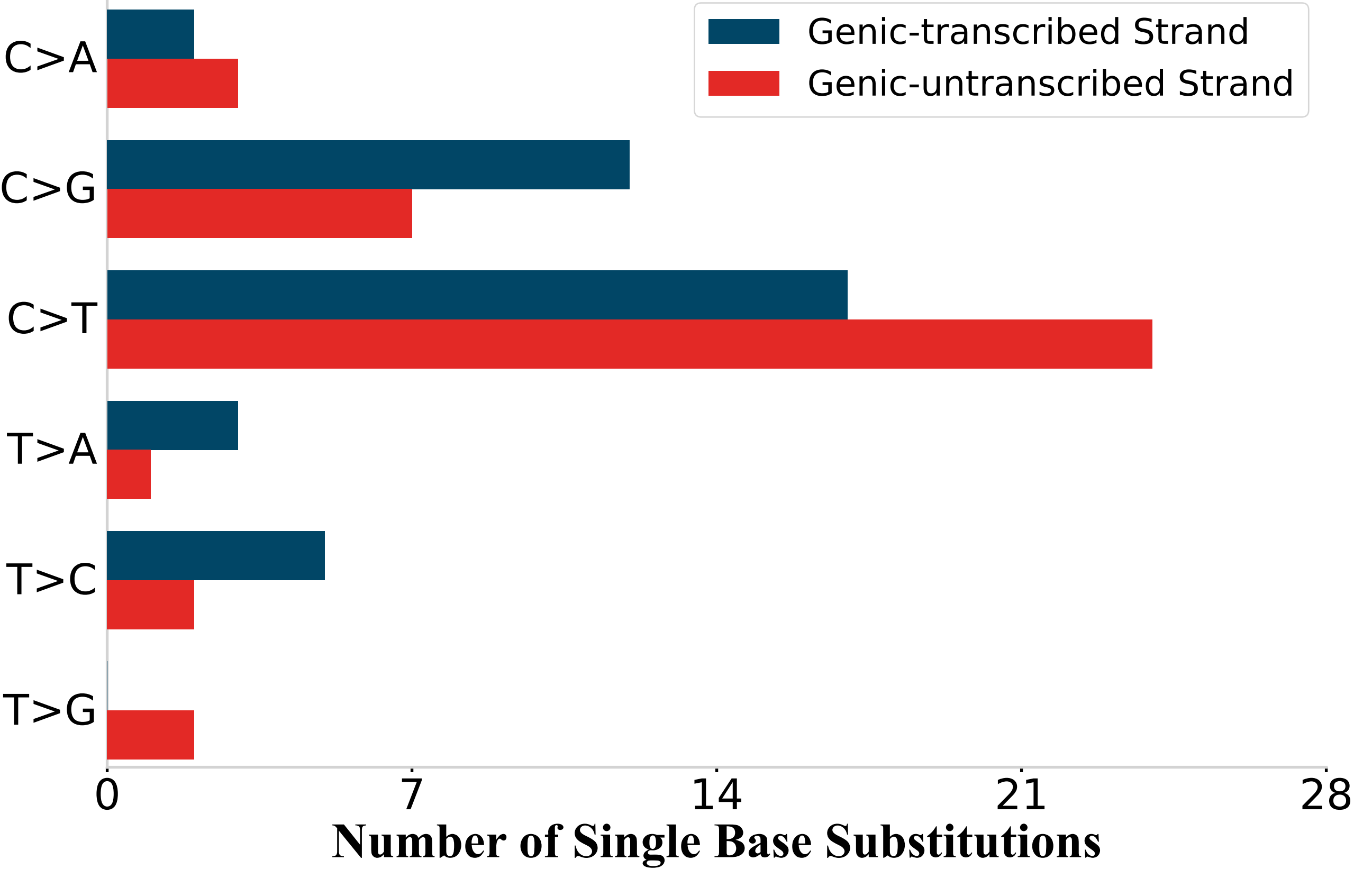
TCGA-CF-A3MG-01A-11D-A20D-08: 161 transcribed



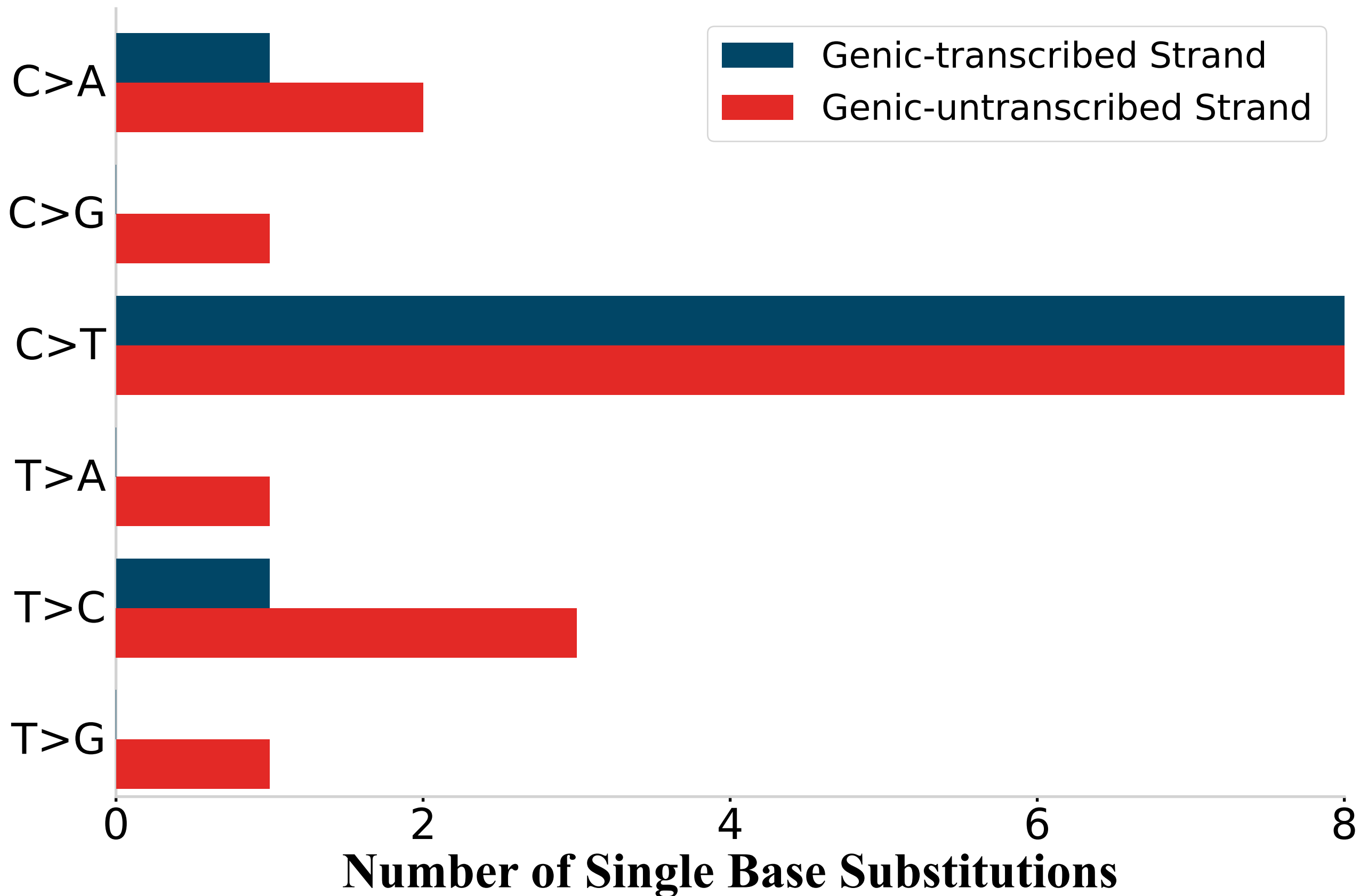
TCGA-CF-A3MH-01A-11D-A20D-08: 52 transcribed



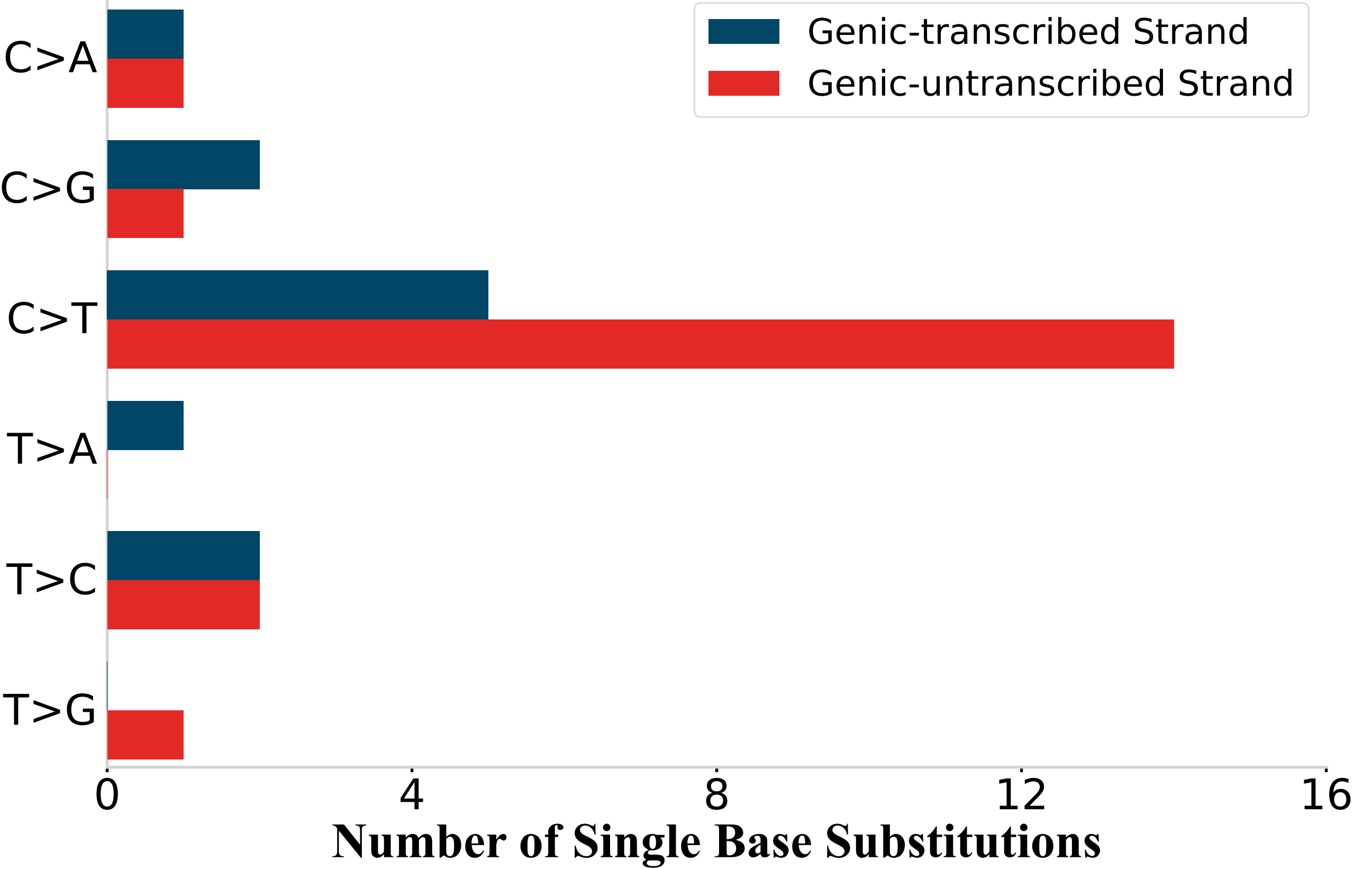
TCGA-CF-A3MI-01A-11D-A20D-08: 78 transcribed s



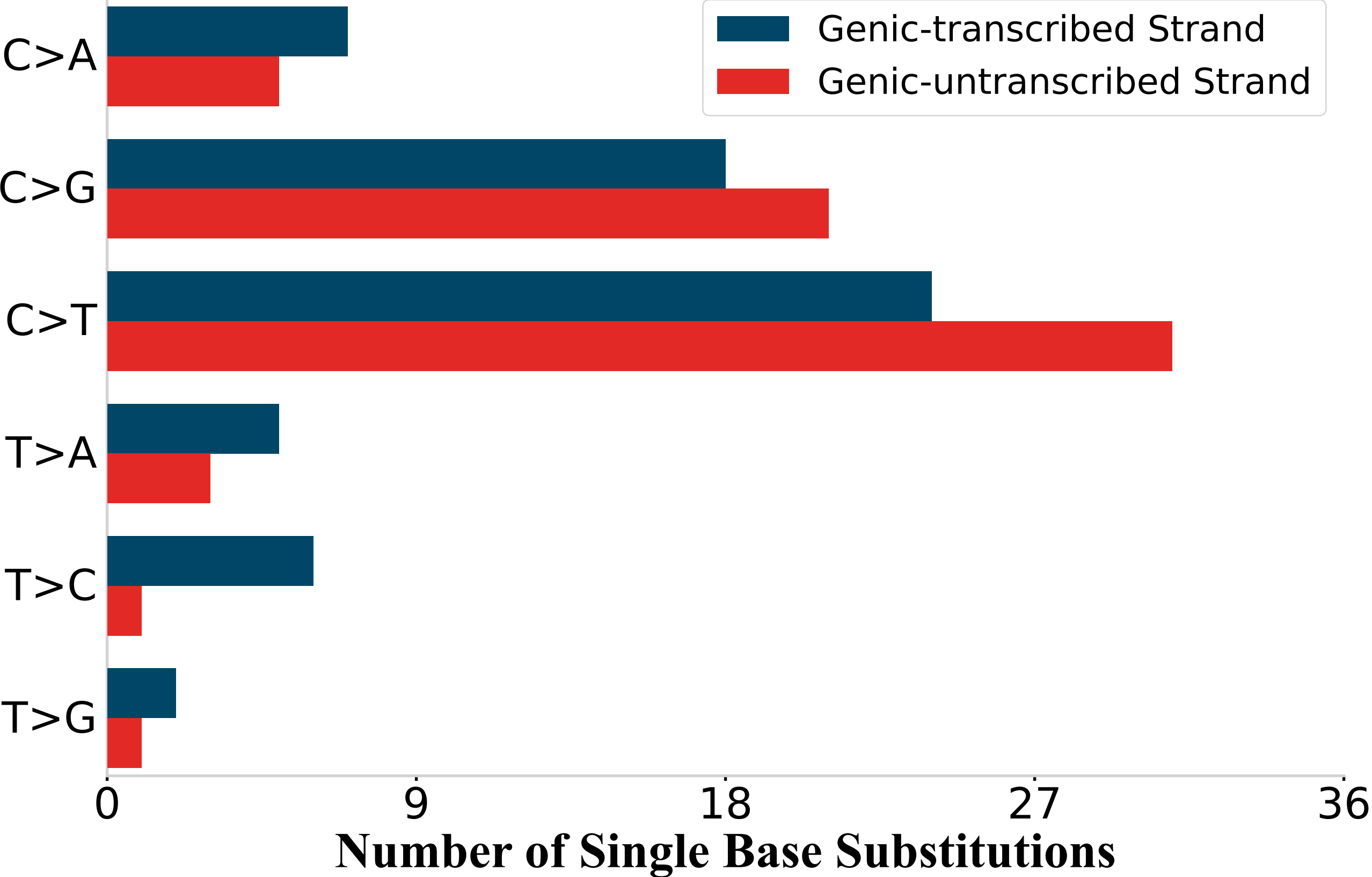
TCGA-CF-A47S-01A-11D-A23U-08: 26 transcribed



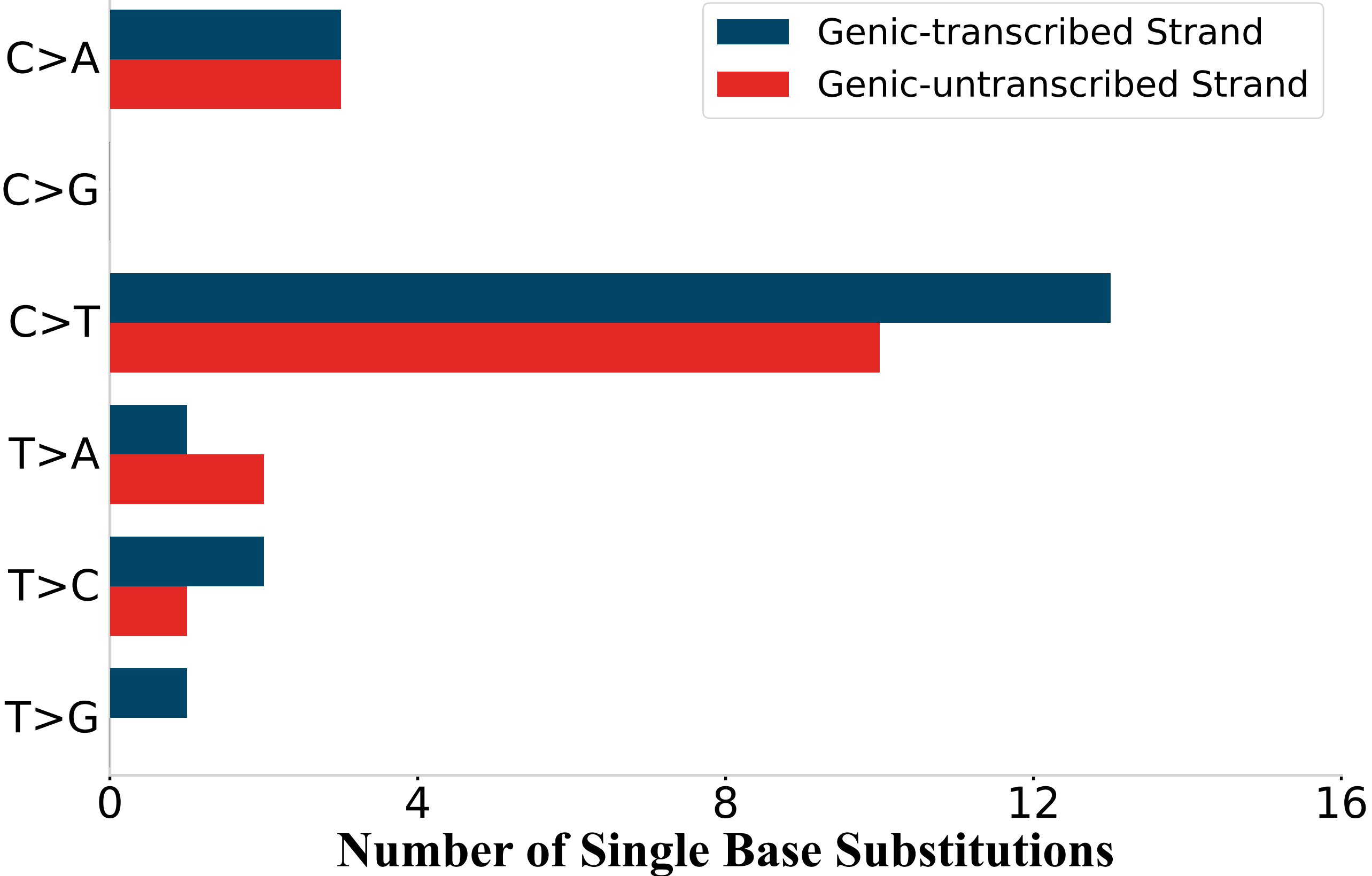
TCGA-CF-A47T-01A-11D-A23U-08: 30 transcribed s



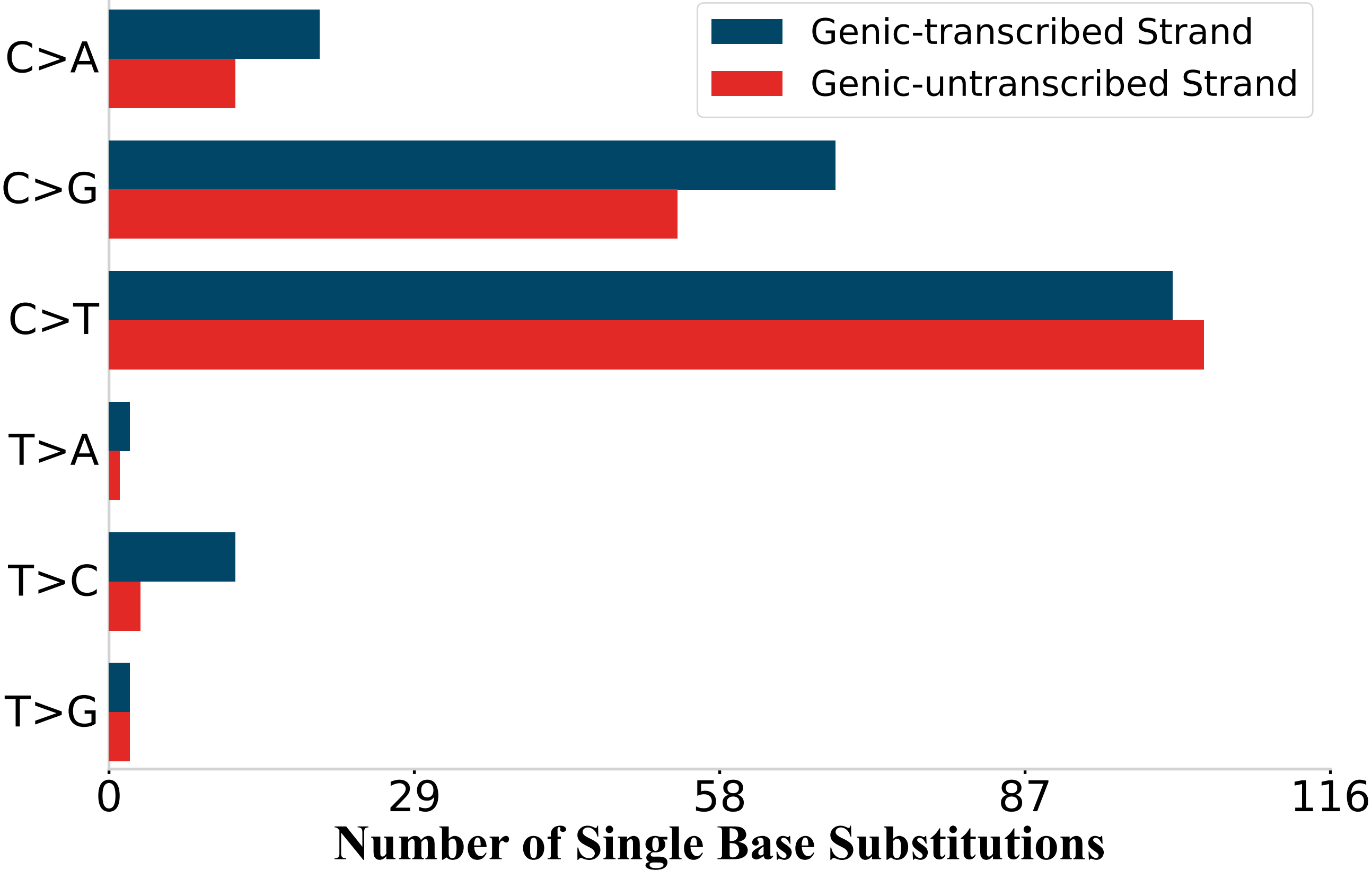
TCGA-CF-A47V-01A-11D-A23U-08: 124 transcribed



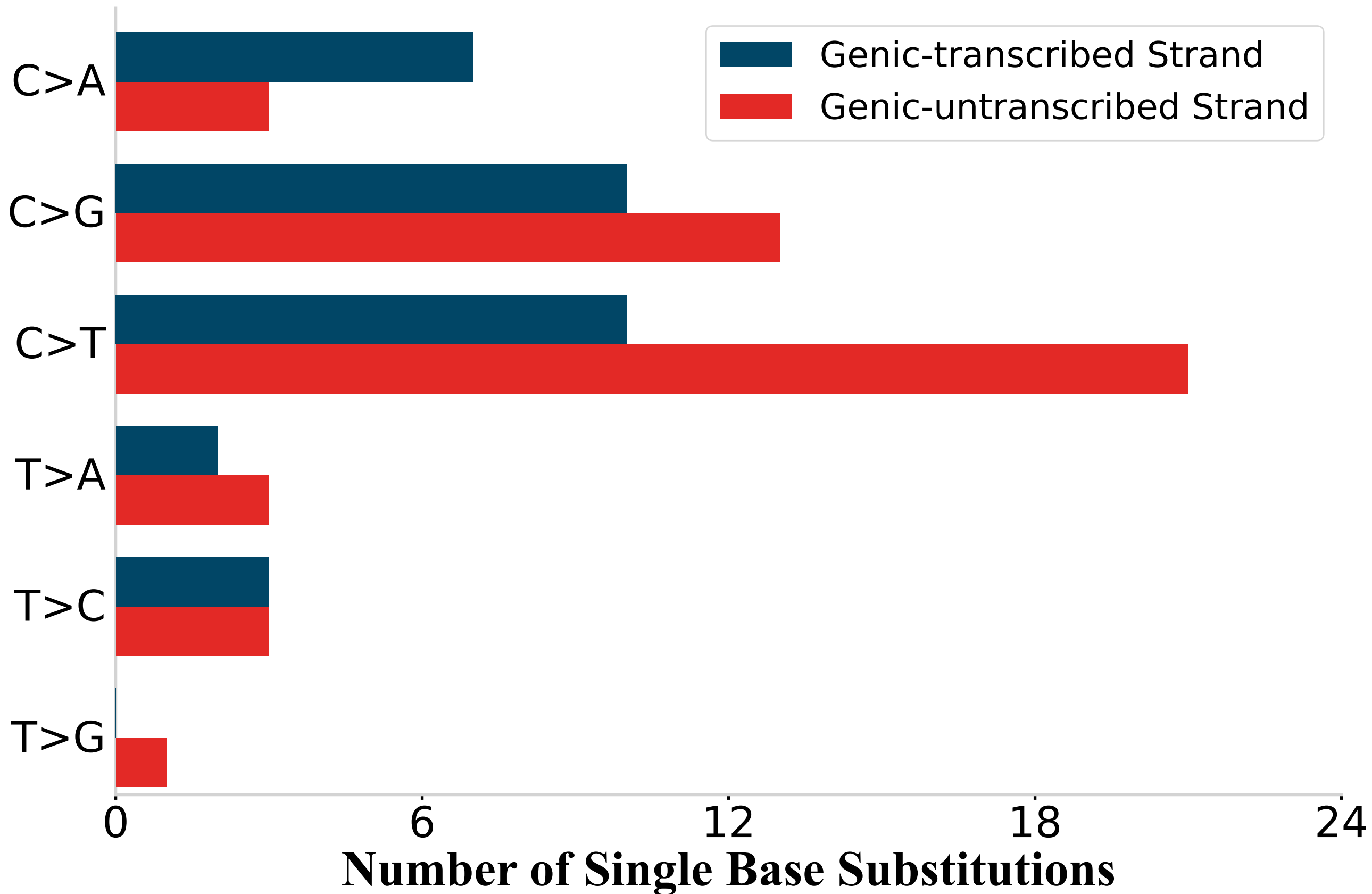
TCGA-CF-A47W-01A-11D-A23U-08: 36 transcribed



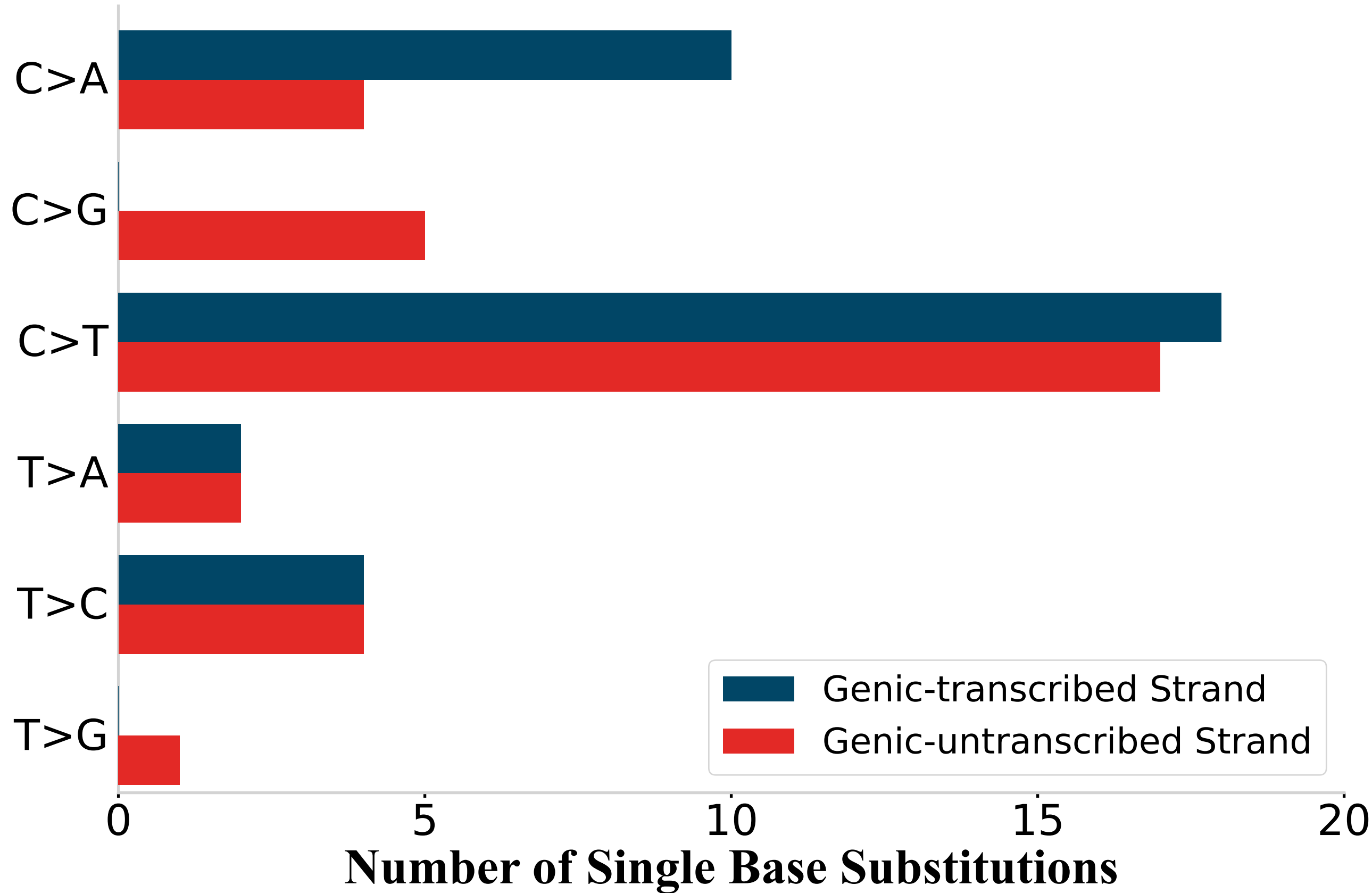
TCGA-CF-A47X-01A-31D-A23U-08: 382 transcribed



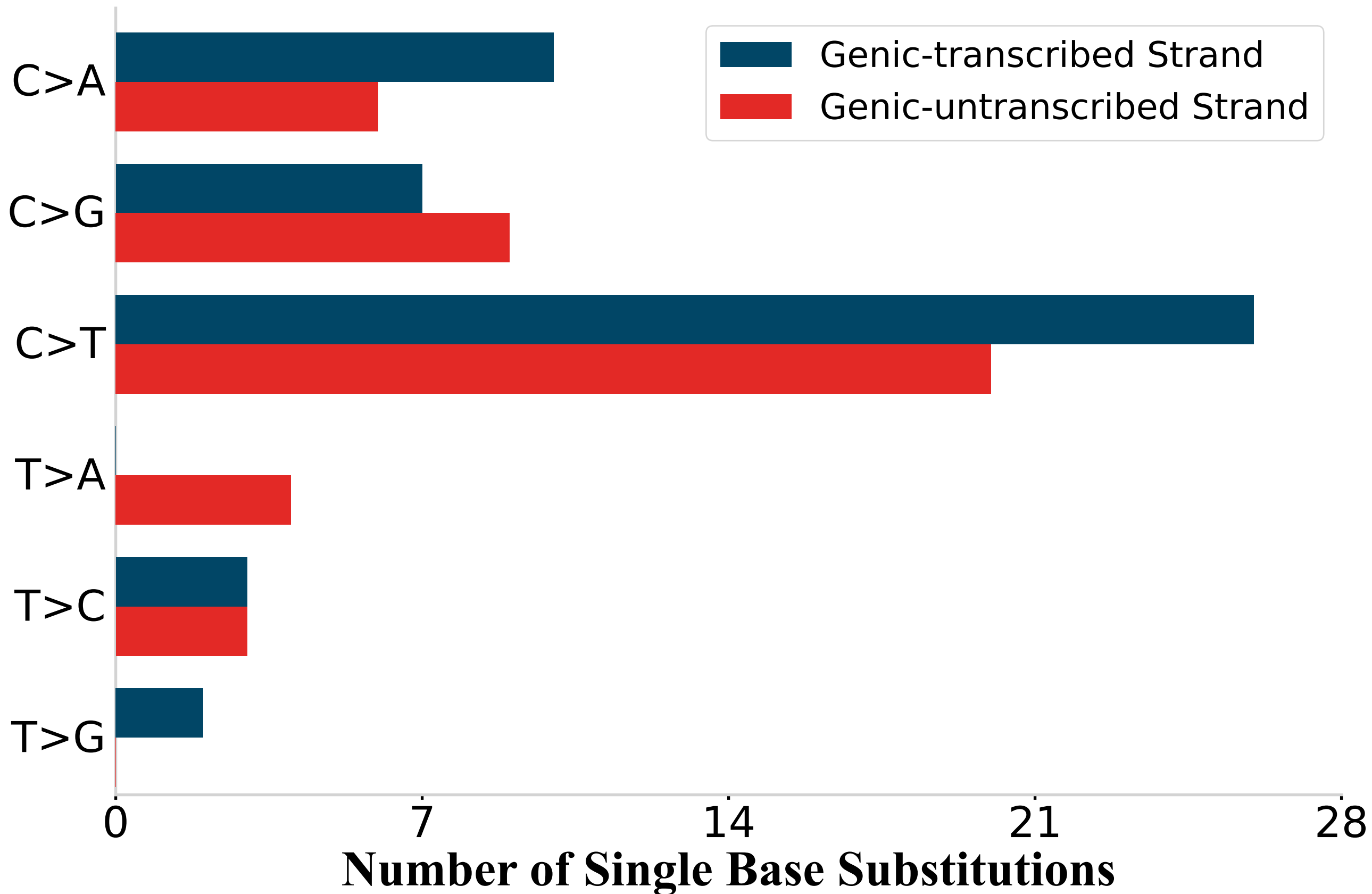
TCGA-CF-A47Y-01A-11D-A23U-08: 76 transcribed



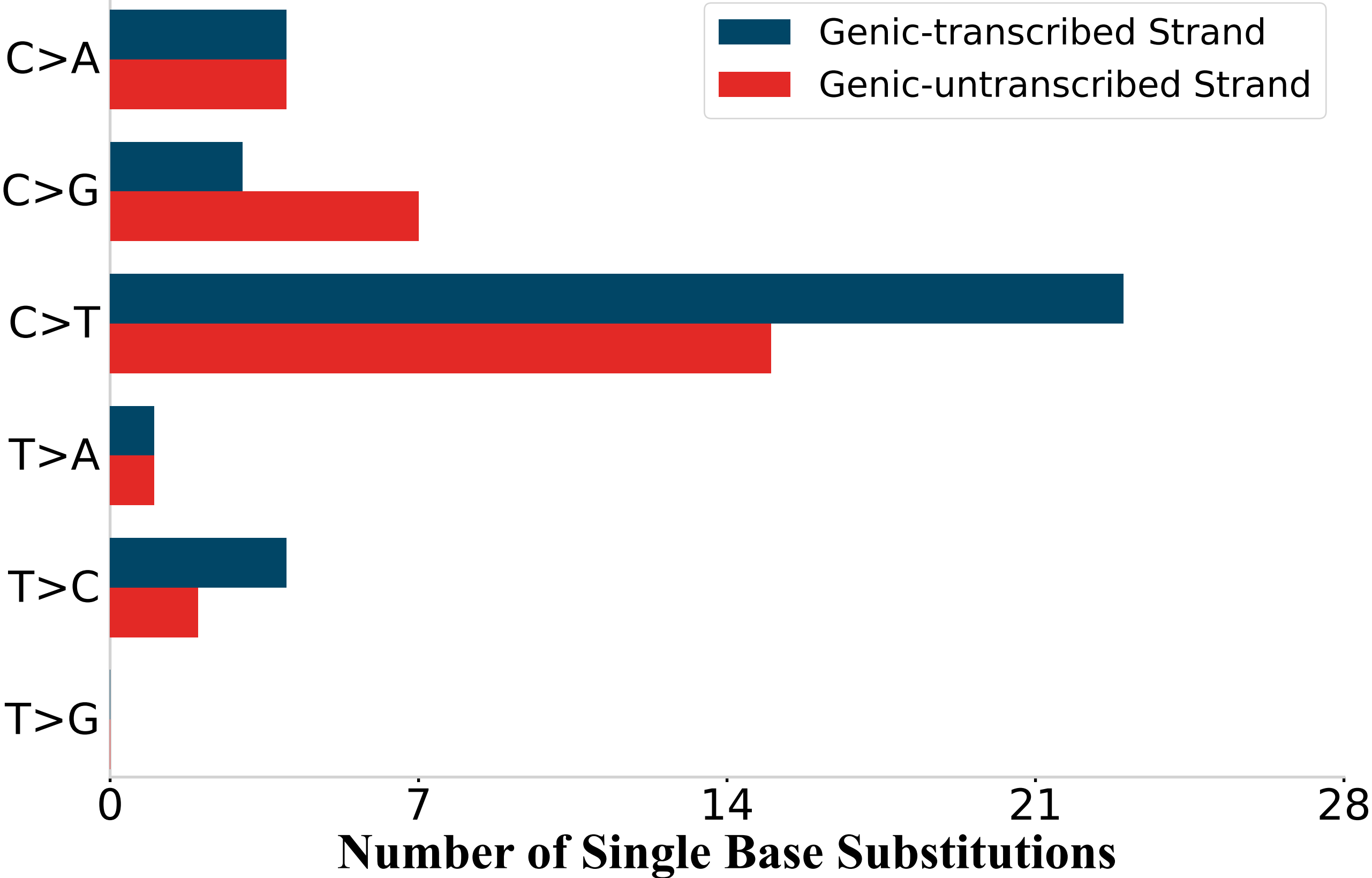
TCGA-CF-A5U8-01A-11D-A289-08: 67 transcribed s



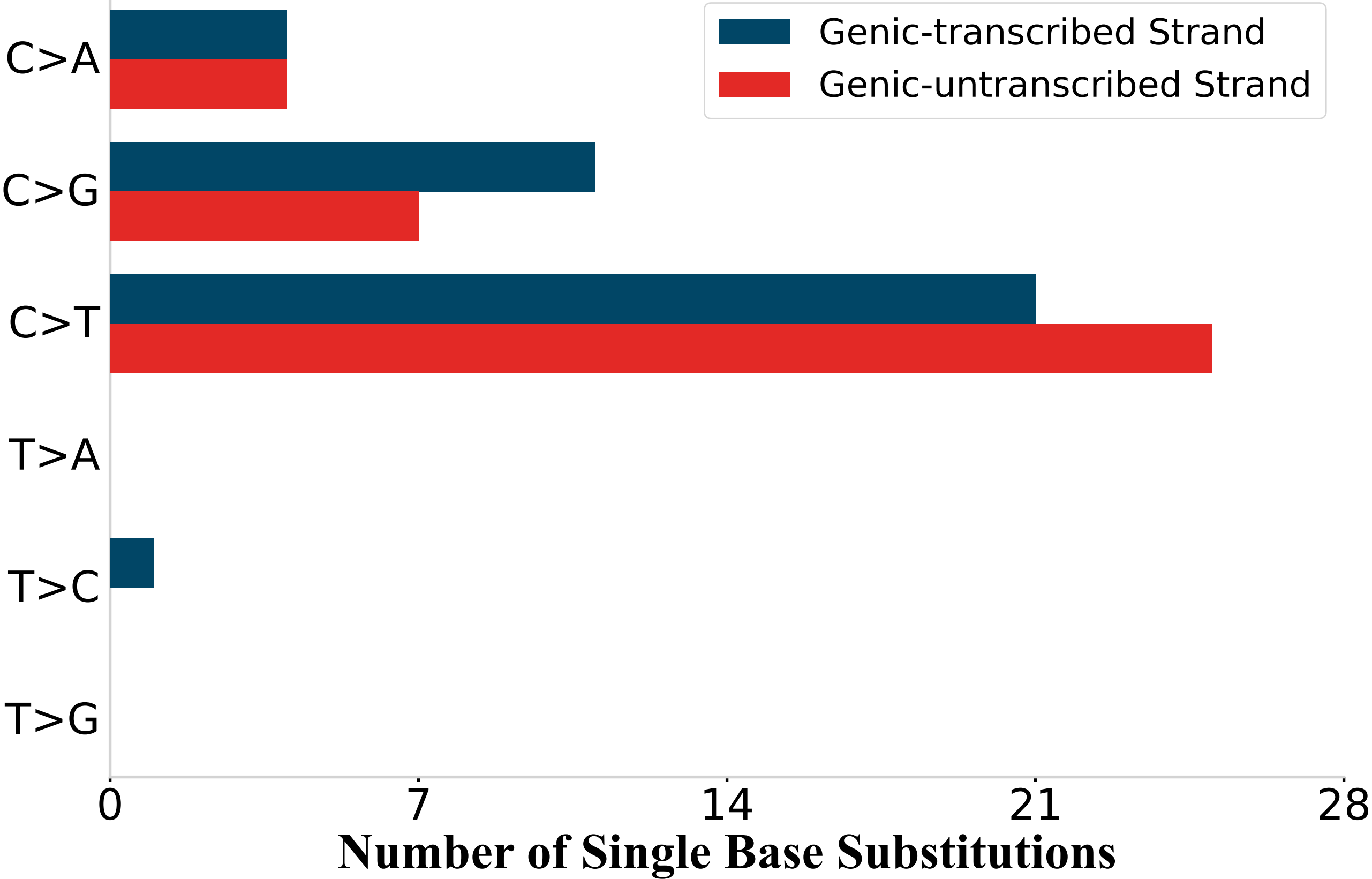
TCGA-CF-A5UA-01A-11D-A289-08: 90 transcribed



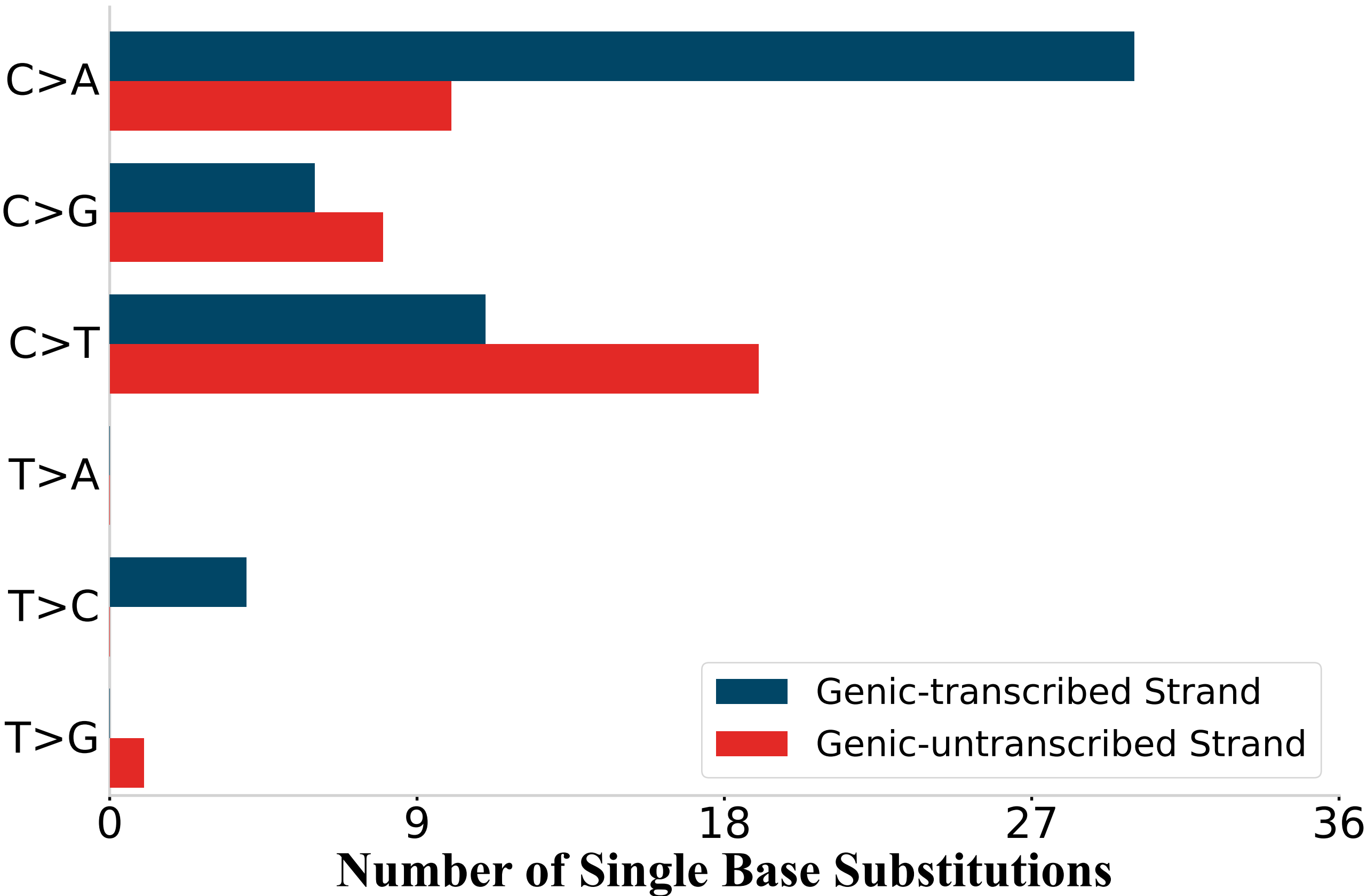
TCGA-CF-A7I0-01A-22D-A34U-08: 64 transcribed s



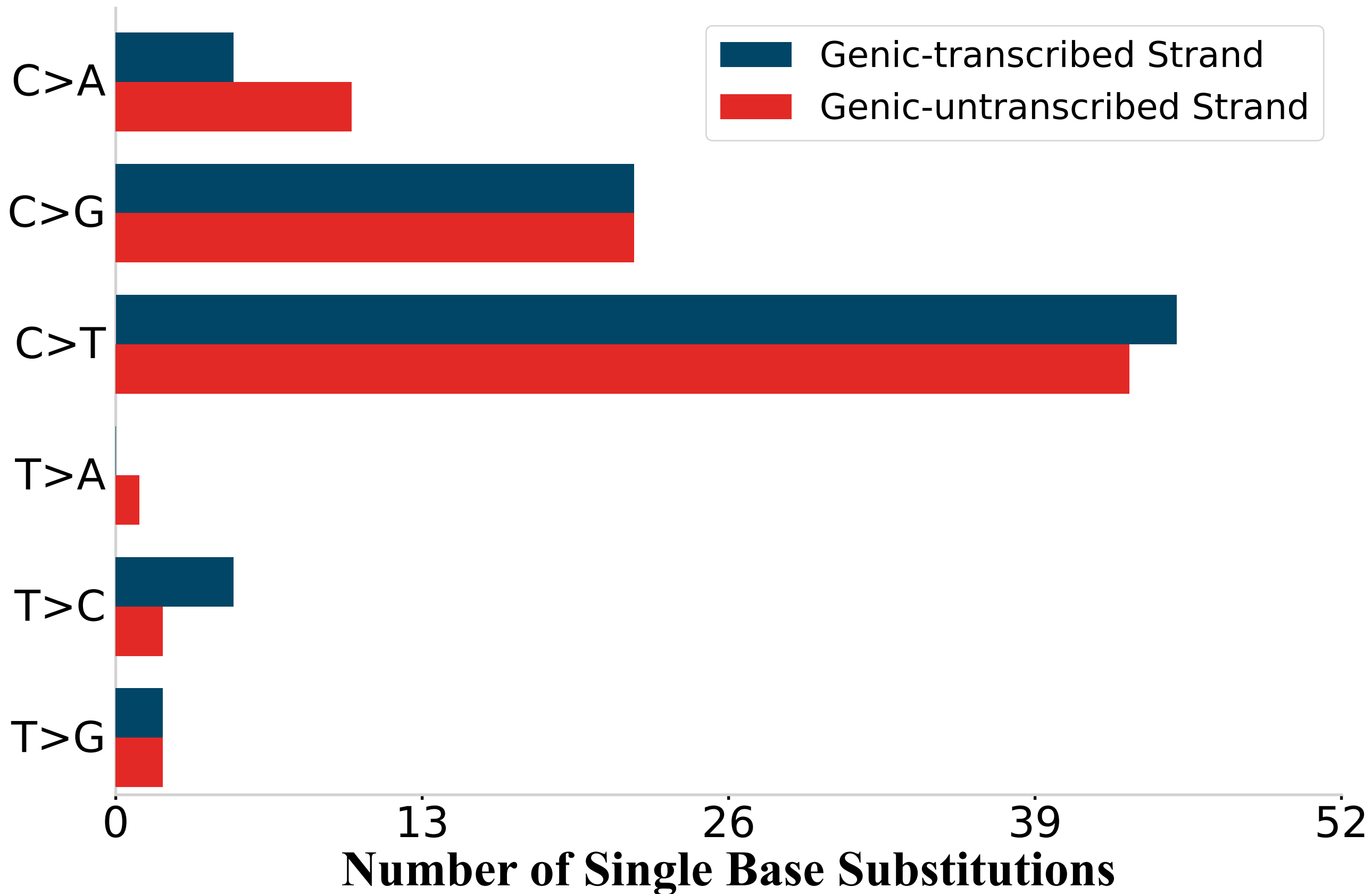
TCGA-CF-A8HX-01A-11D-A364-08: 73 transcribed



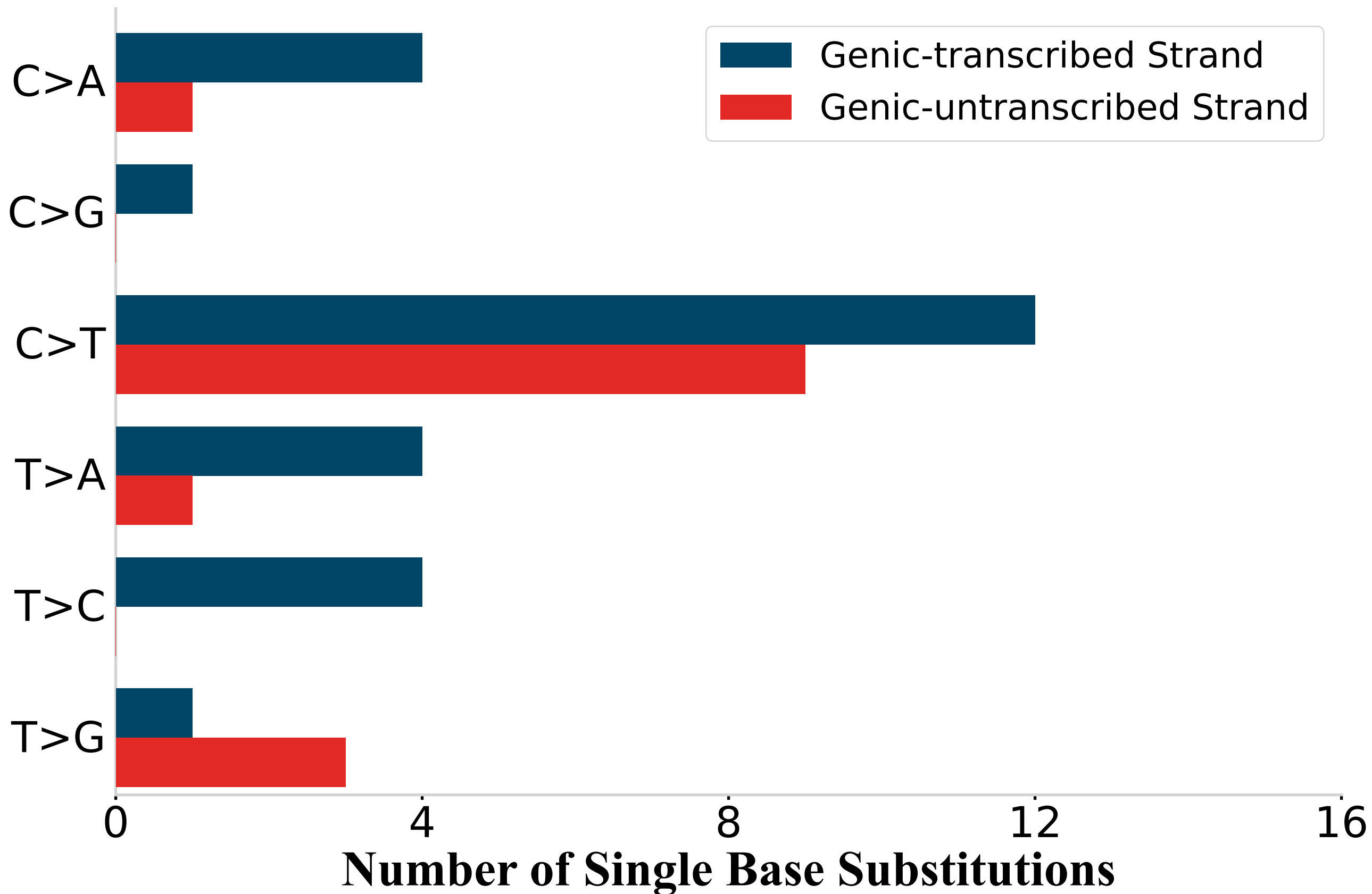
TCGA-CF-A8HY-01A-11D-A364-08: 89 transcribed



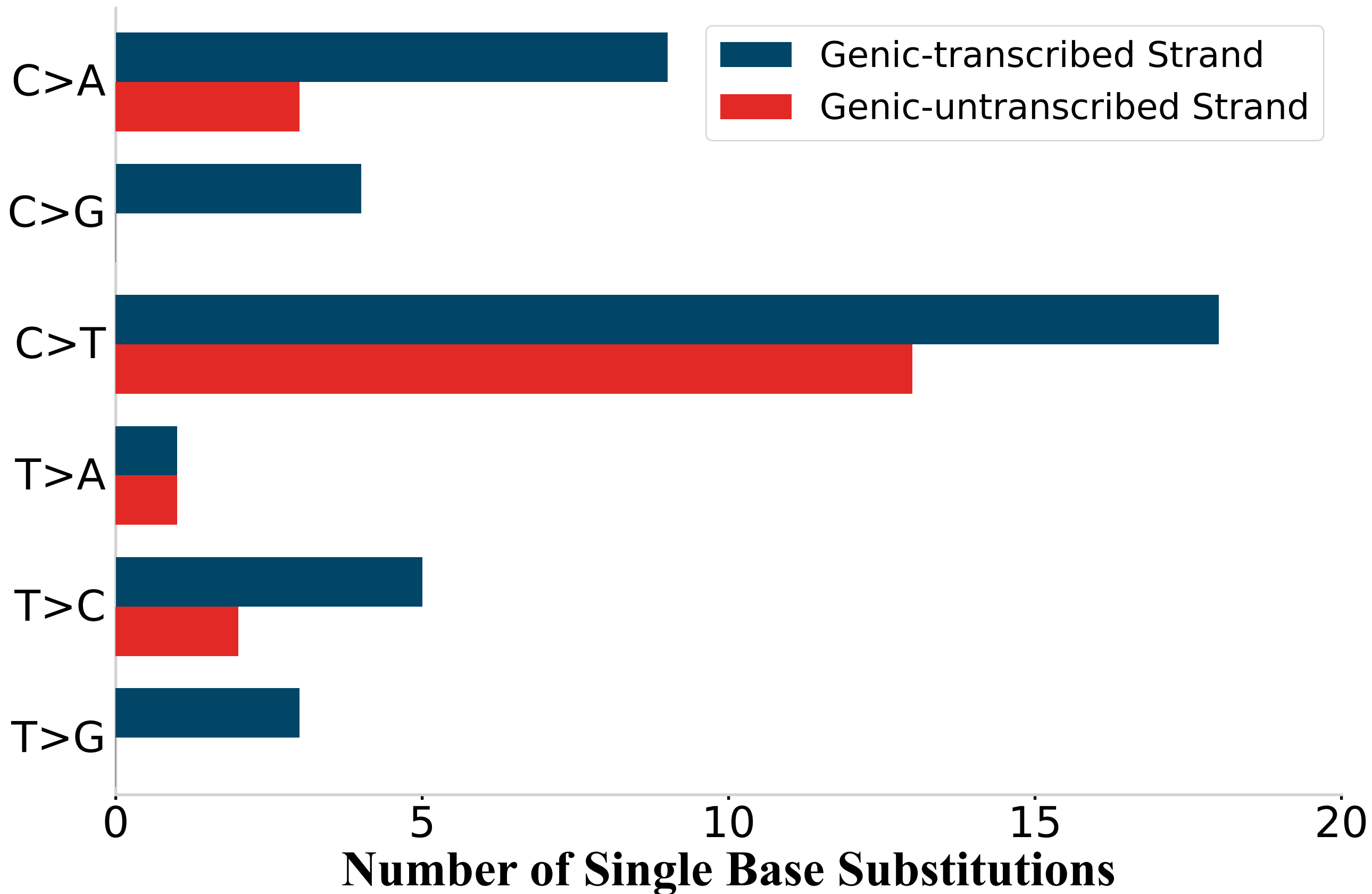
TCGA-CF-A9FF-01A-11D-A38G-08: 159 transcribed



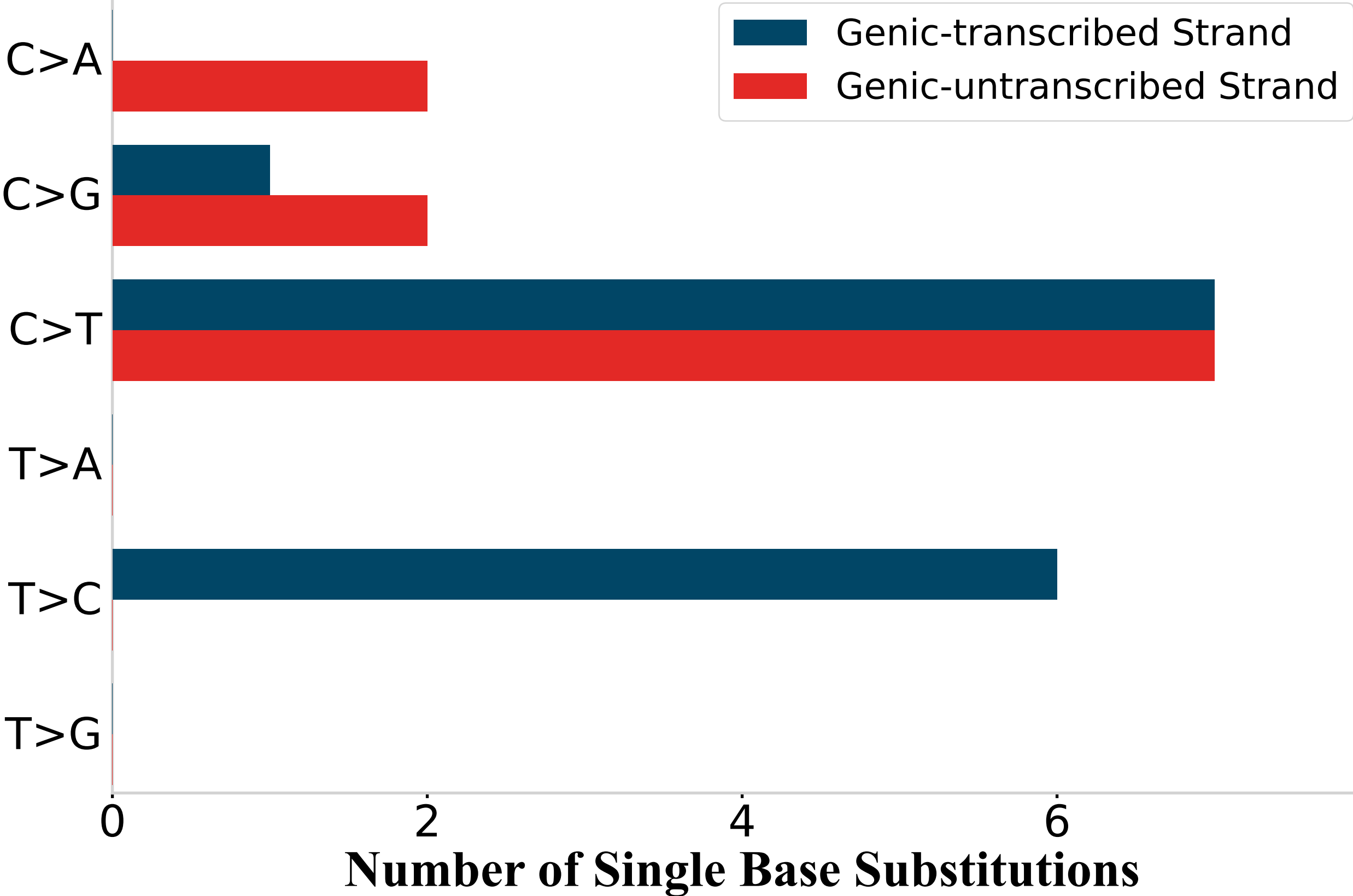
TCGA-CF-A9FH-01A-11D-A38G-08: 40 transcribed



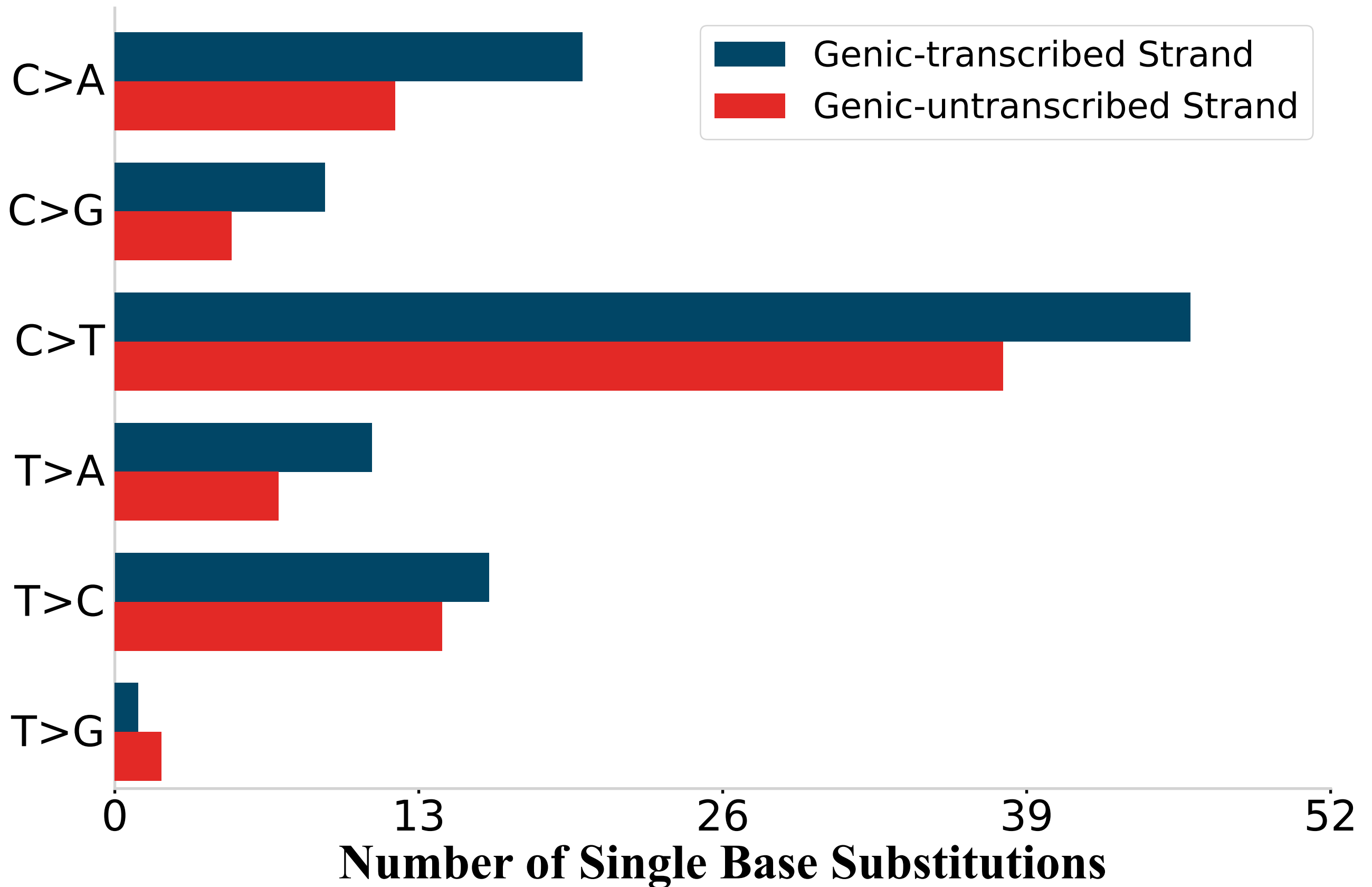
TCGA-CF-A9FL-01A-11D-A38G-08: 59 transcribed



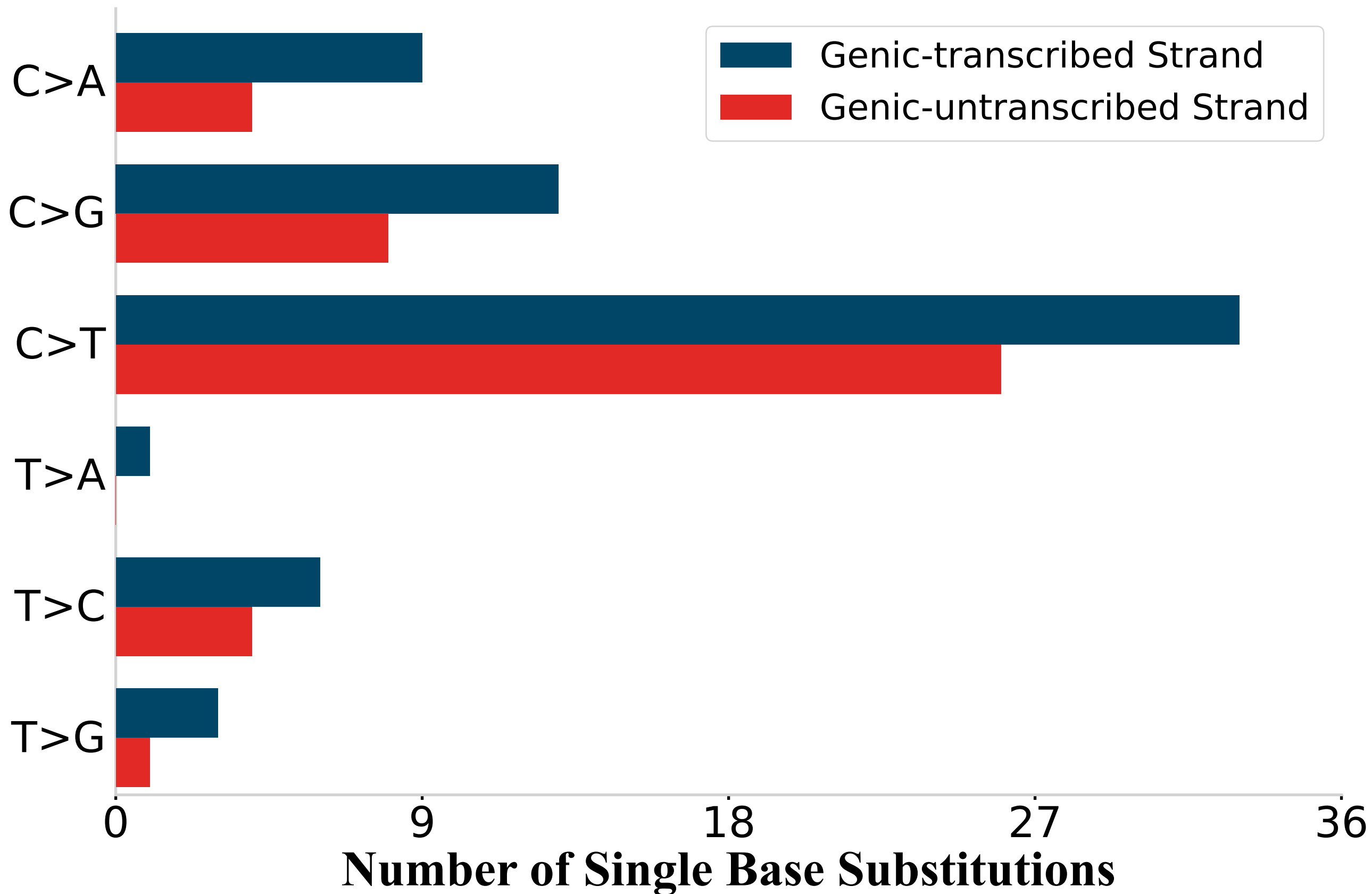
TCGA-CF-A9FM-01A-11D-A38G-08: 25 transcribed



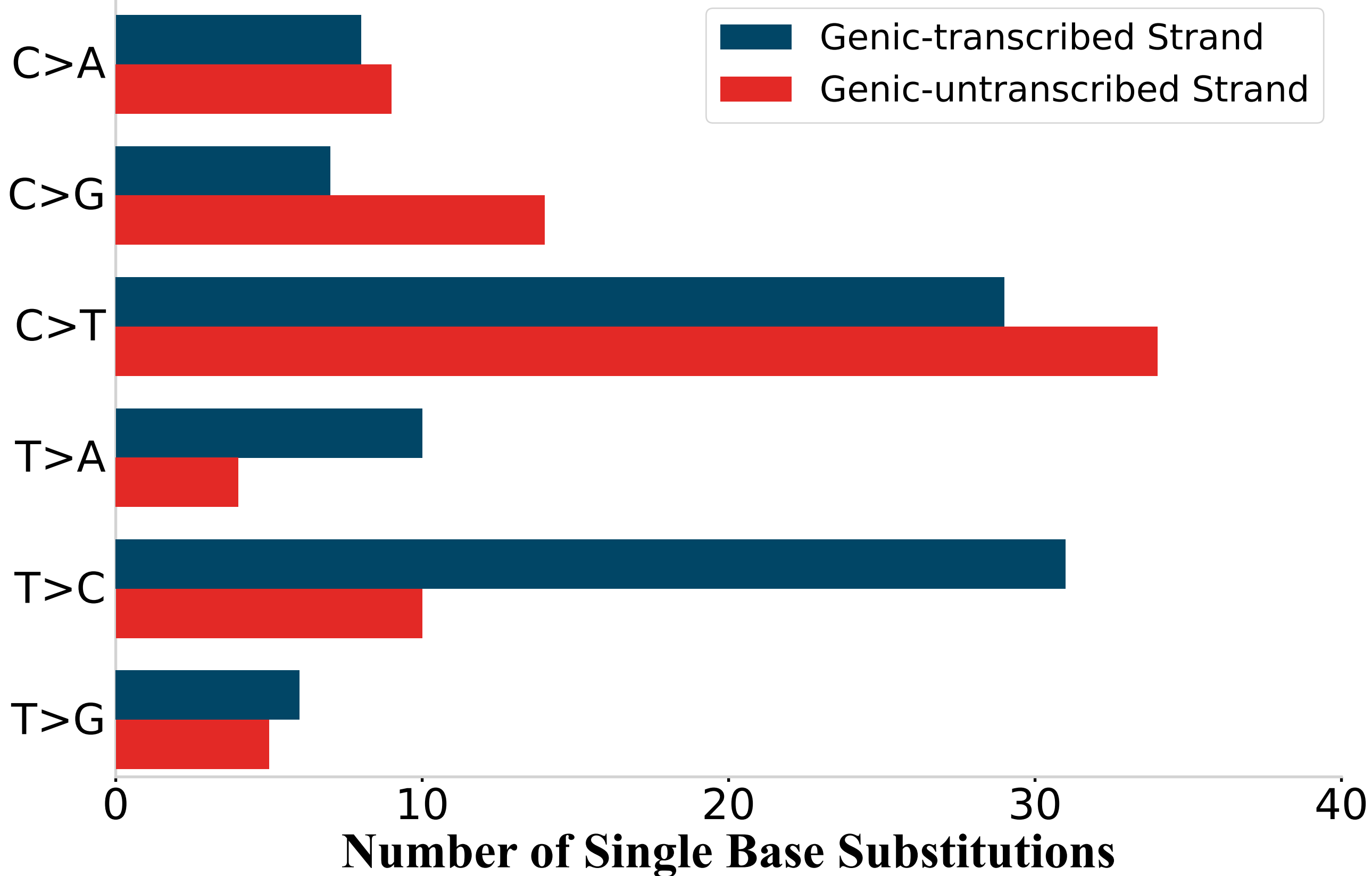
TCGA-CU-A0YN-01A-21D-A10S-08: 181 transcribe



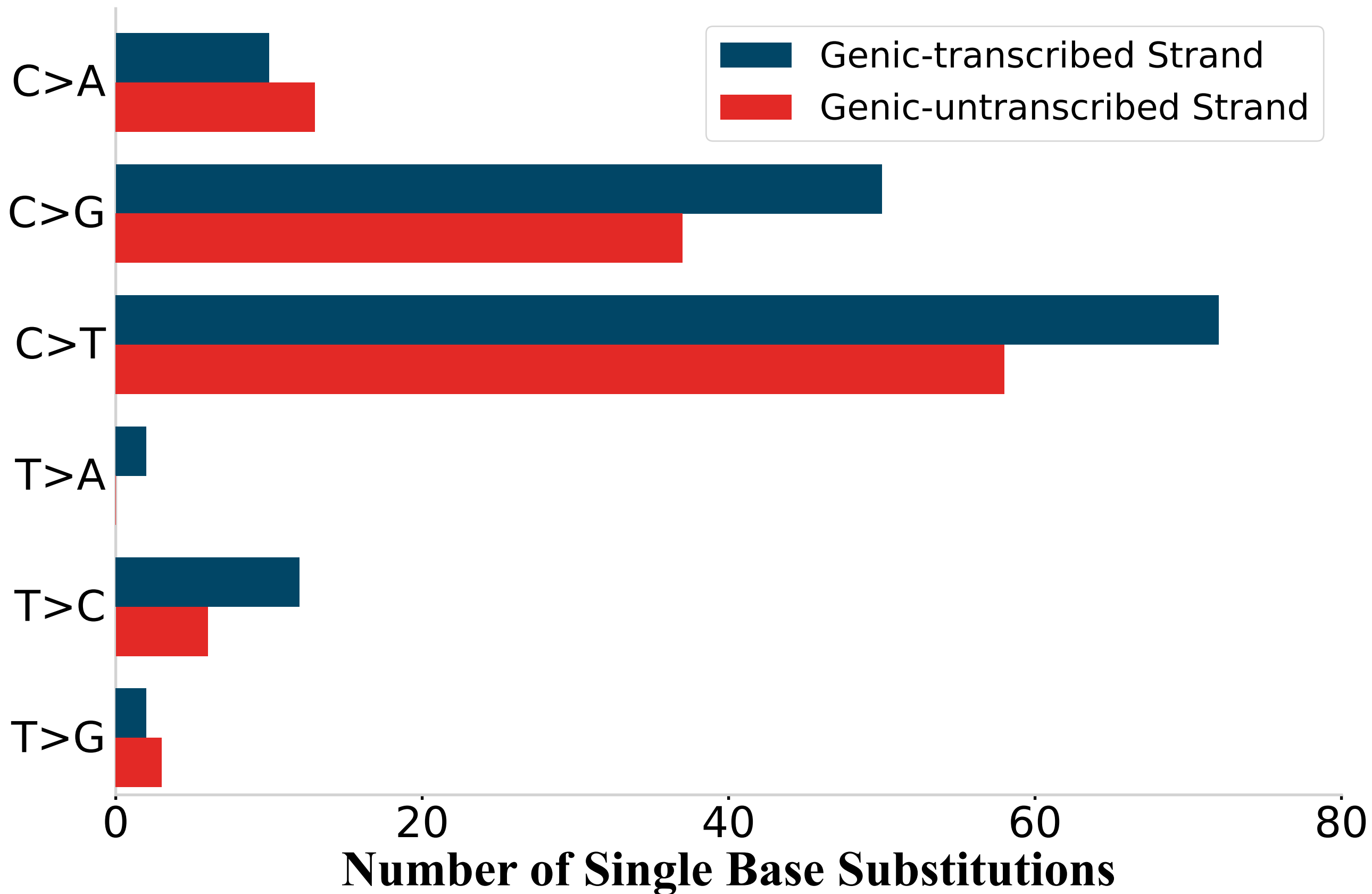
TCGA-CU-A0YO-01A-11D-A10S-08: 108 transcribe



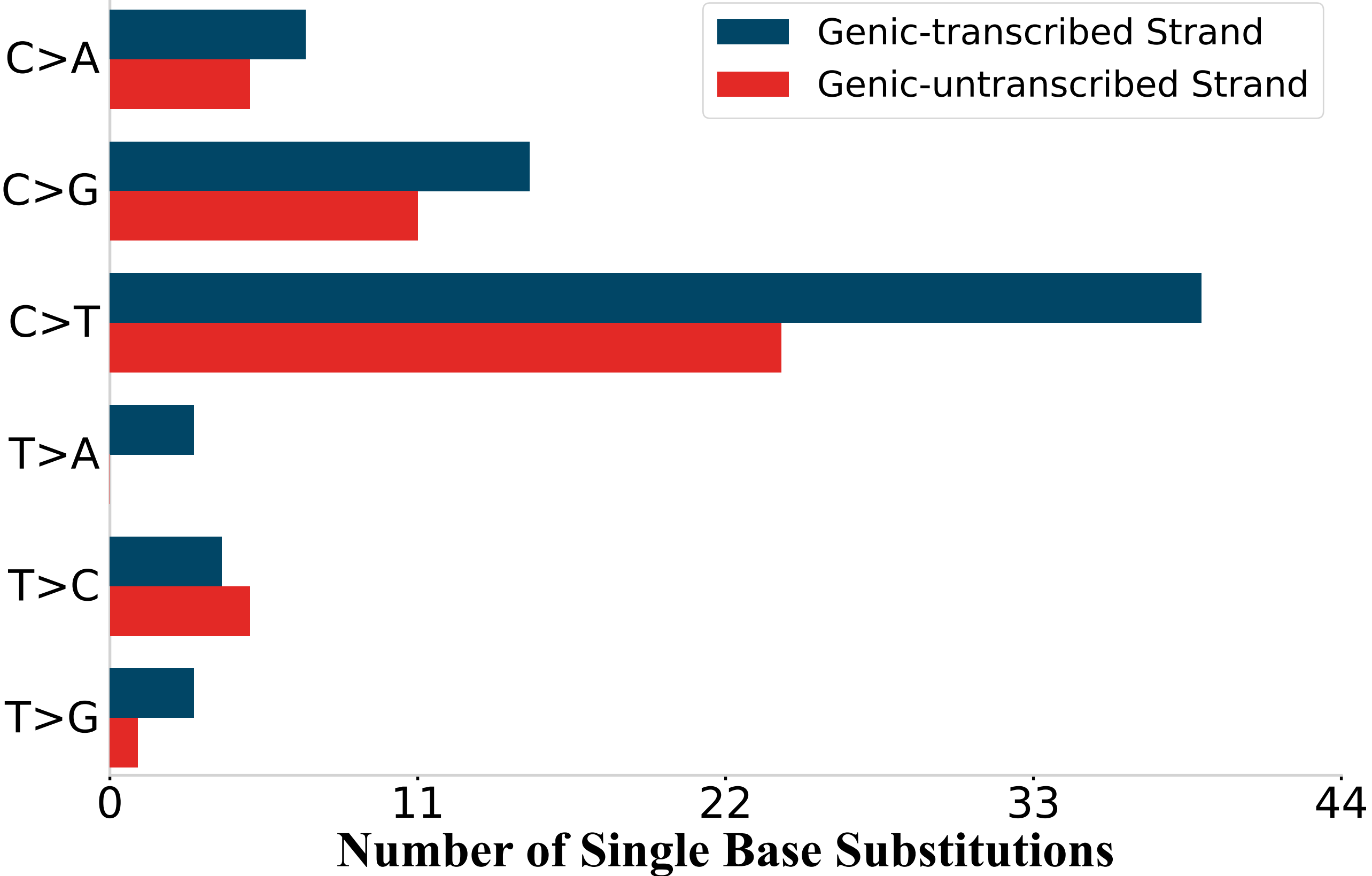
TCGA-CU-A0YR-01A-12D-A10S-08: 167 transcribe



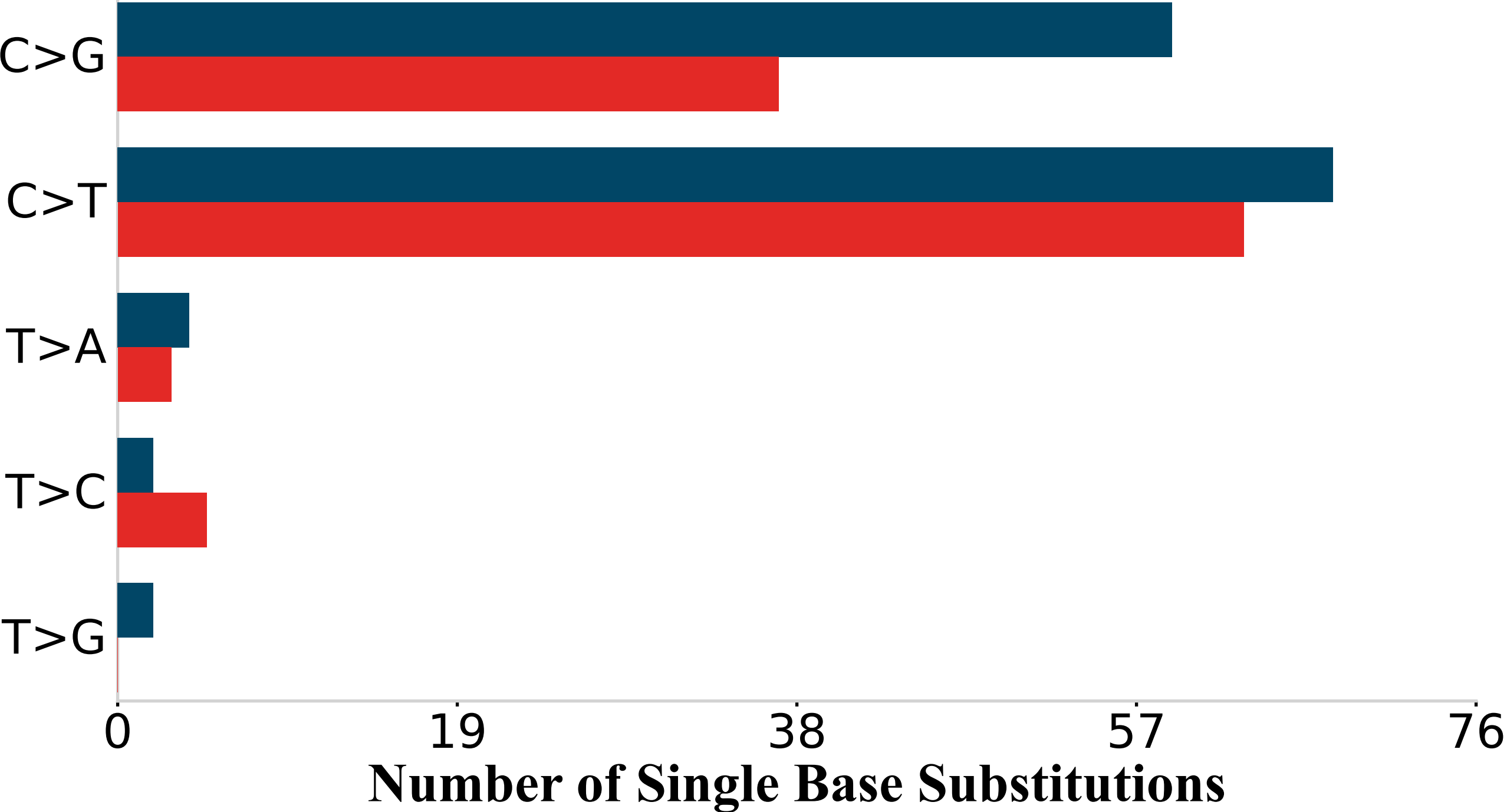
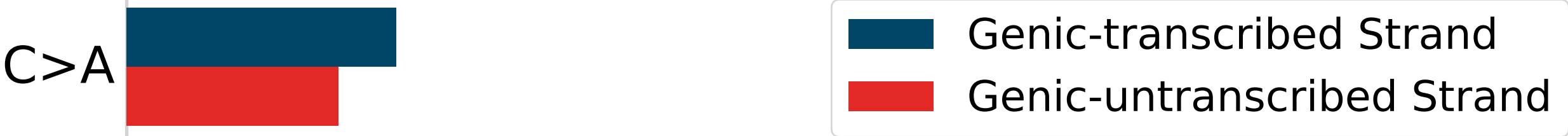
TCGA-CU-A3KJ-01A-11D-A21A-08: 265 transcribed



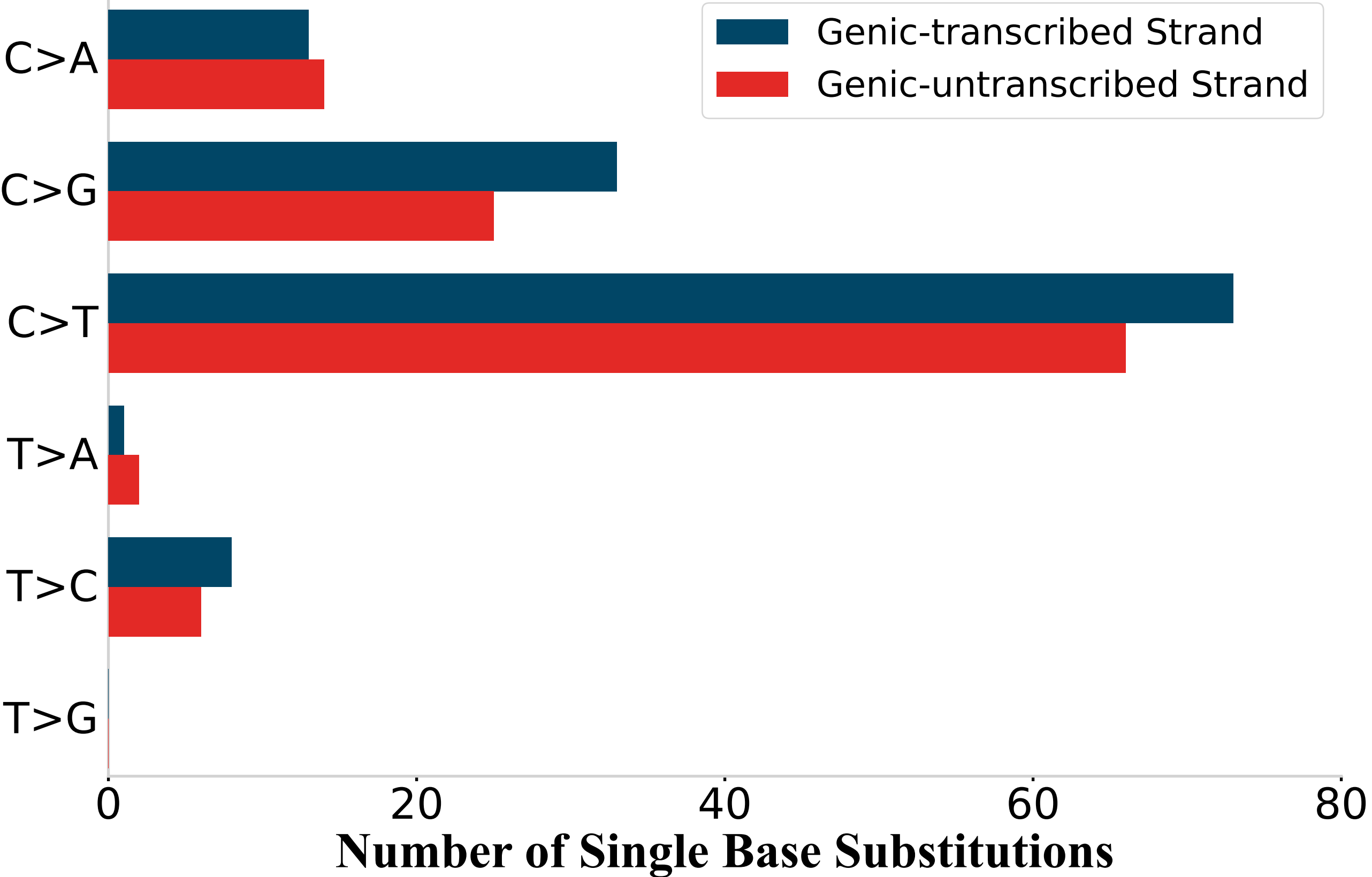
TCGA-CU-A3QU-01A-11D-A22Z-08: 117 transcribed



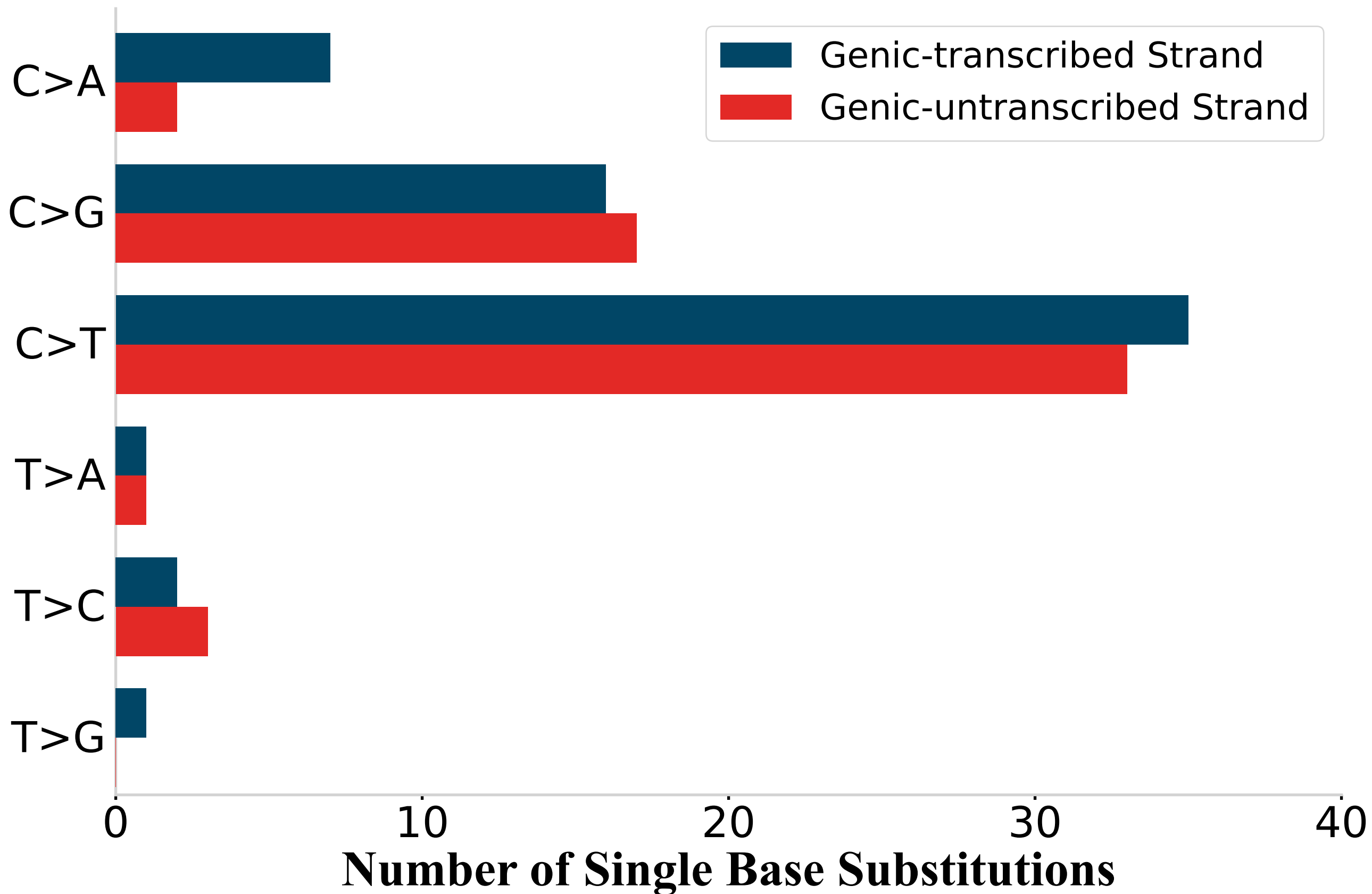
TCGA-CU-A3YL-01A-11D-A22Z-08: 268 transcribed



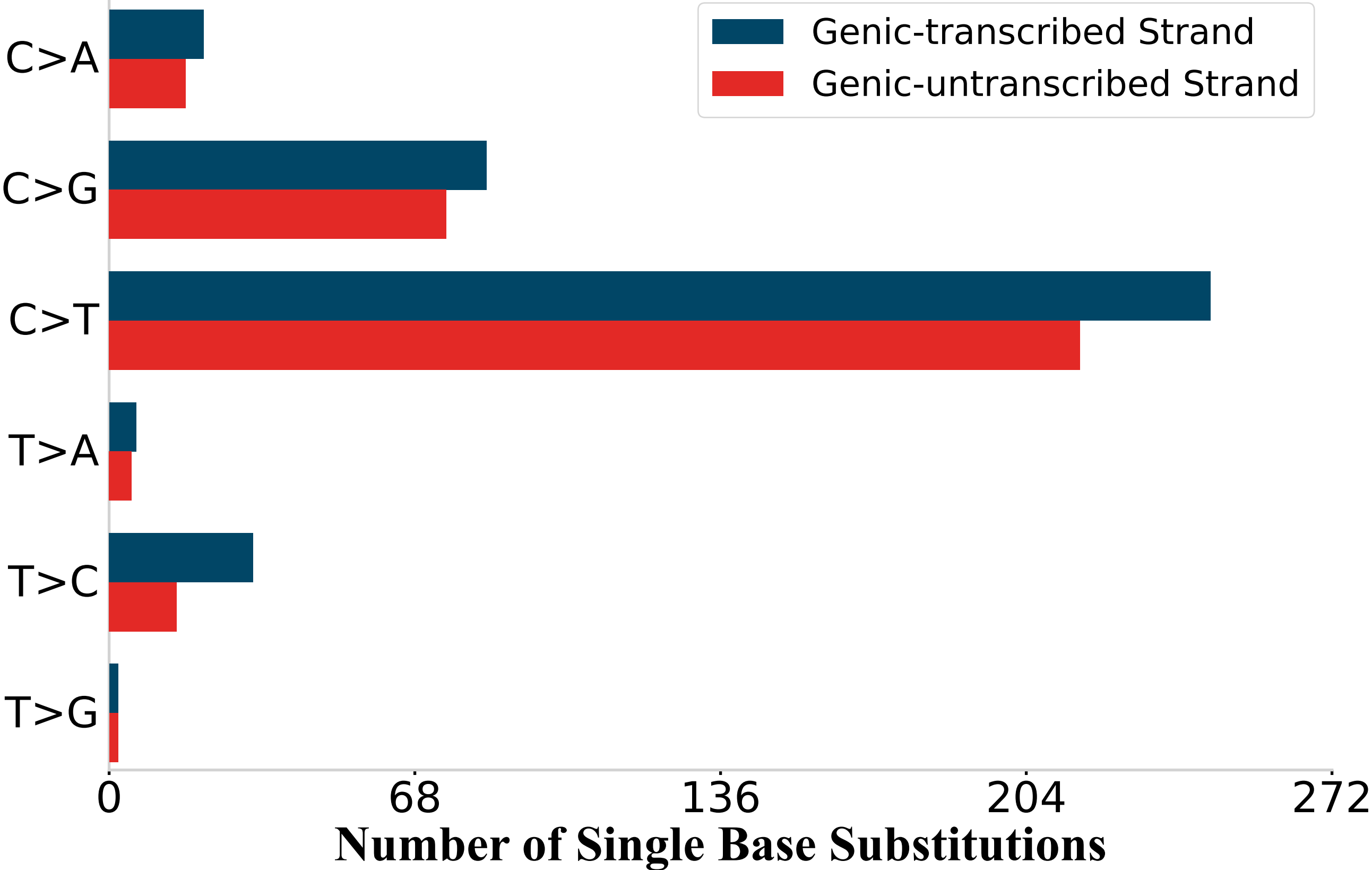
TCGA-CU-A5W6-01A-11D-A289-08: 241 transcribed



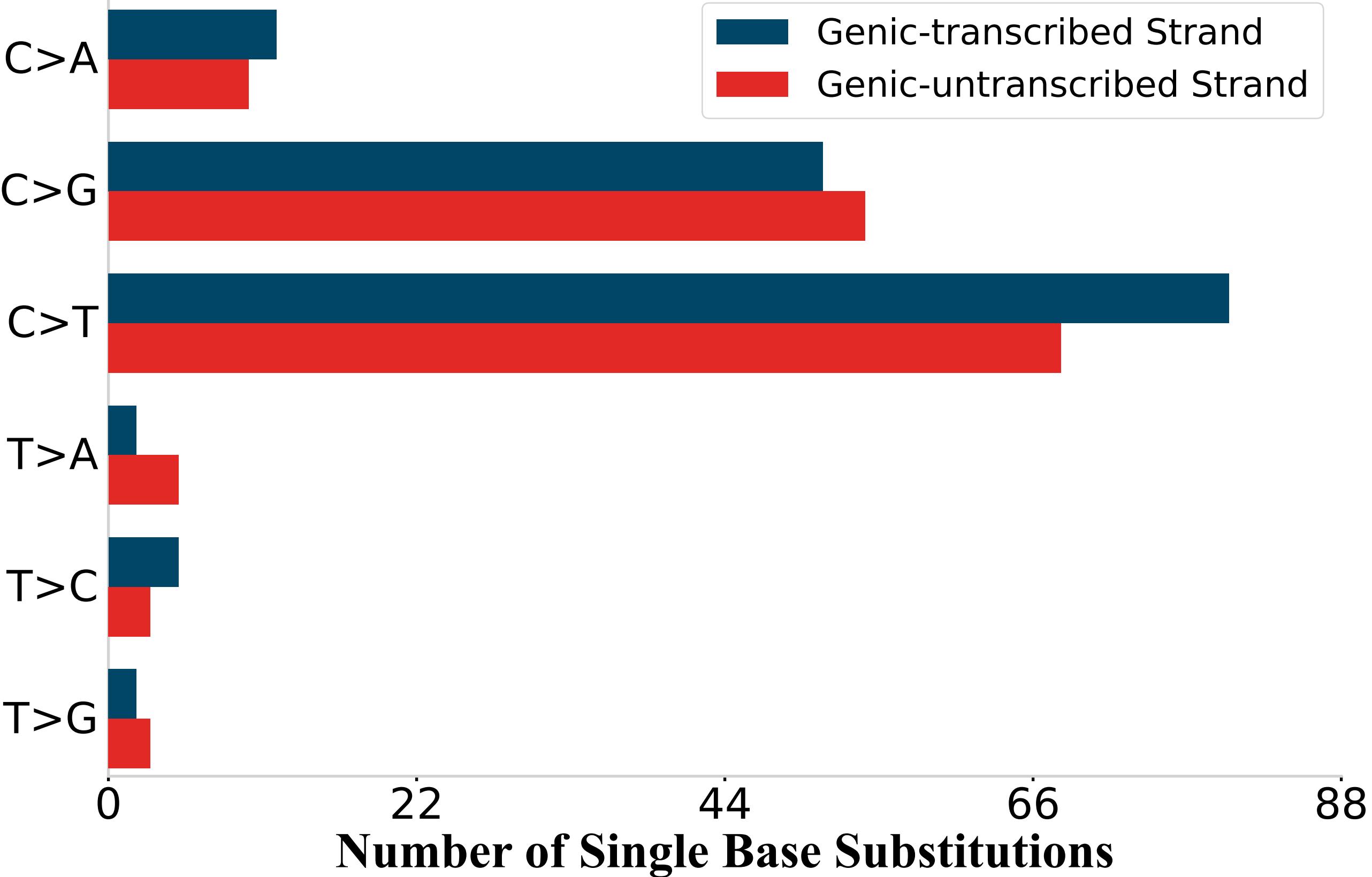
TCGA-CU-A72E-01A-12D-A339-08: 118 transcribed



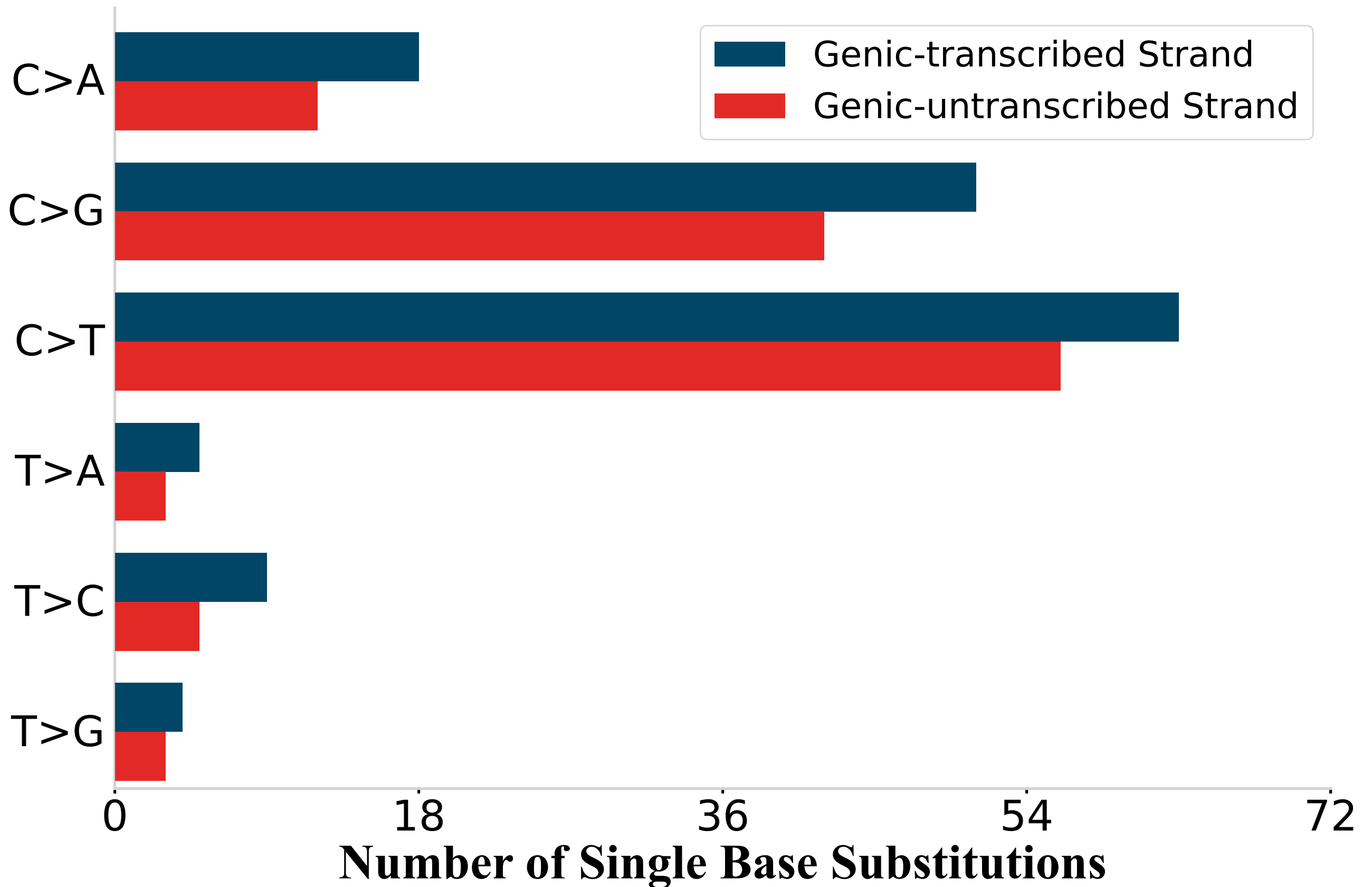
TCGA-DK-A1A3-01A-11D-A13W-08: 720 transcribe



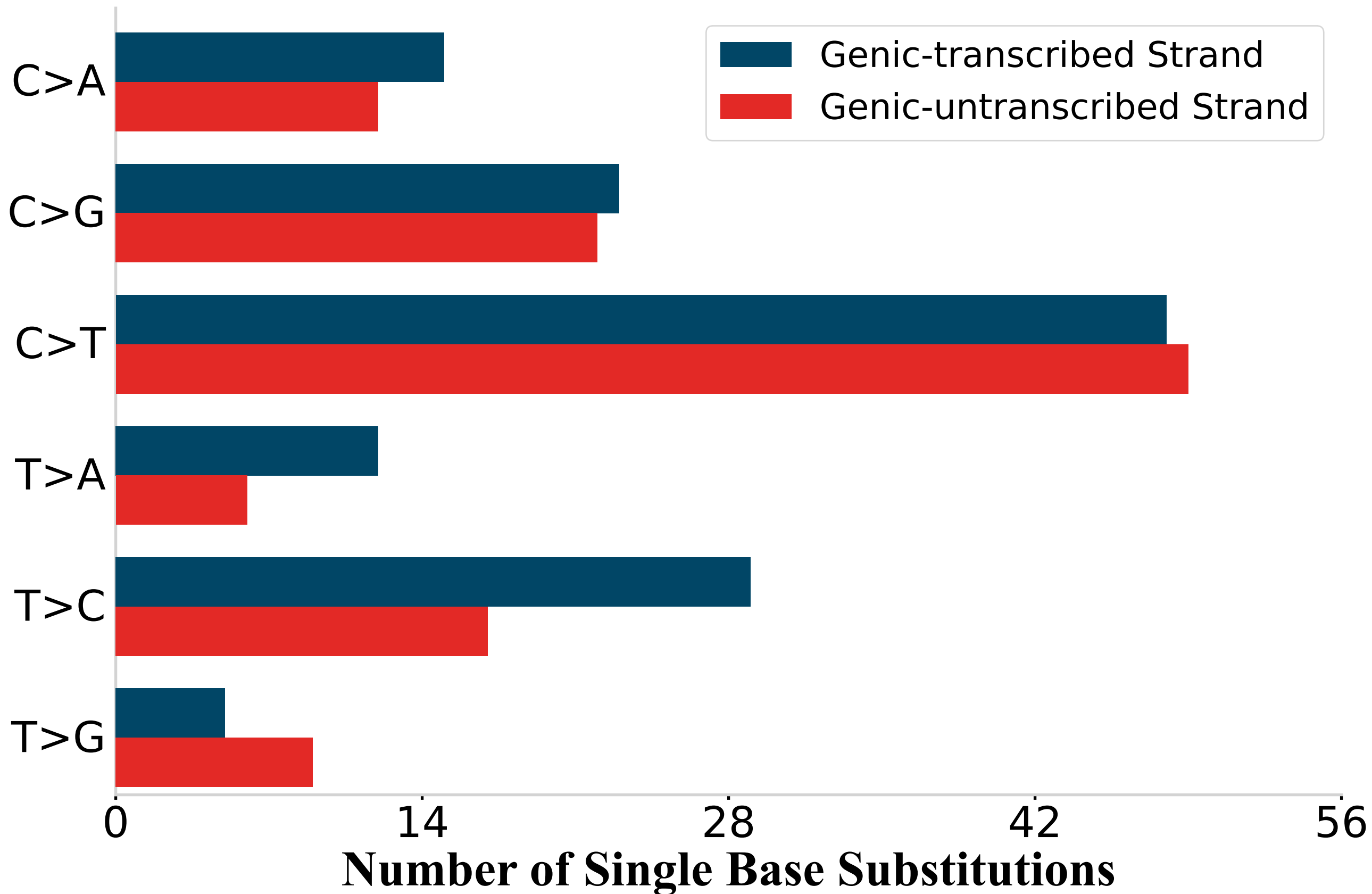
TCGA-DK-A1A5-01A-11D-A13W-08: 295 transcribe



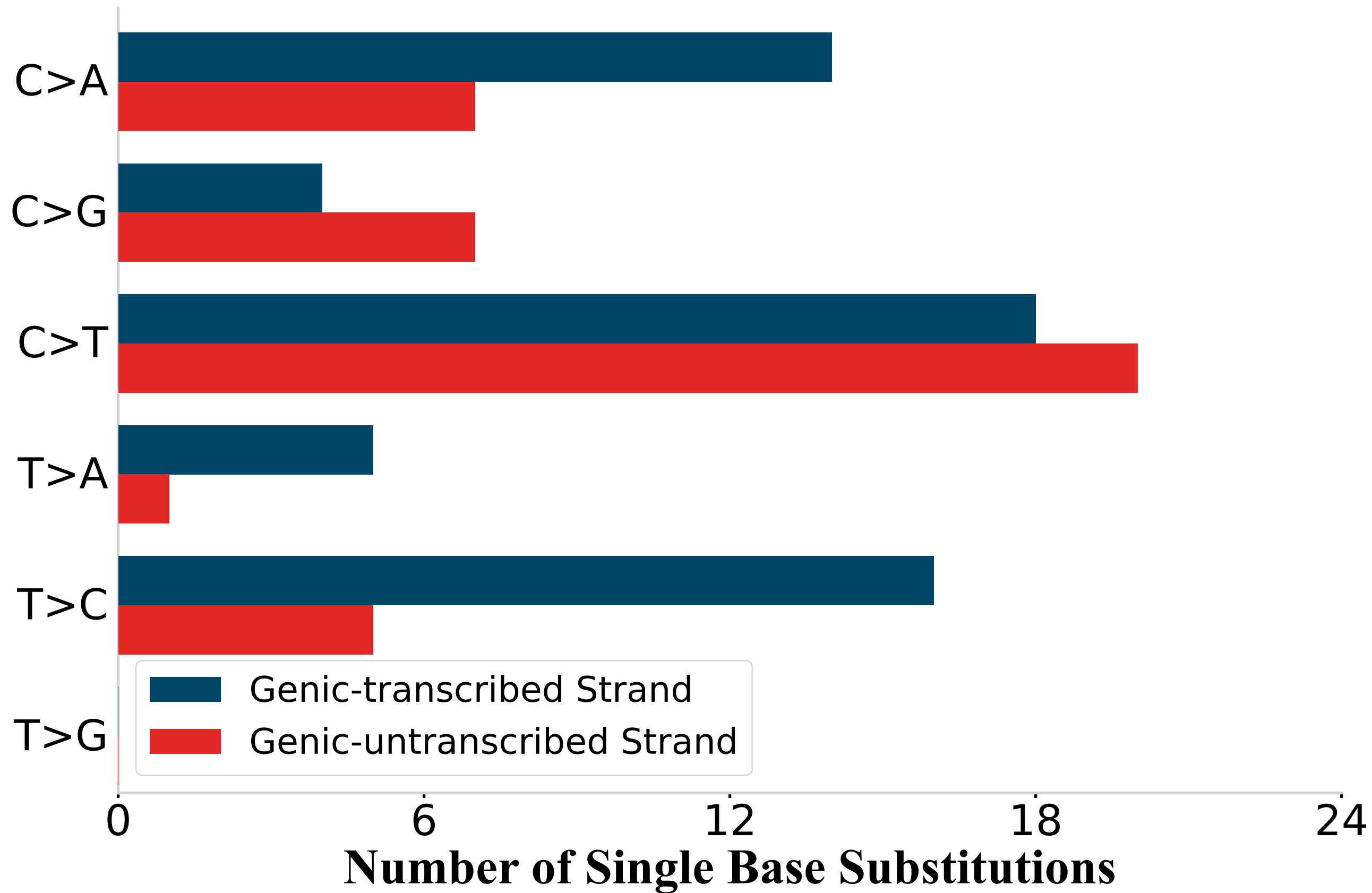
TCGA-DK-A1A6-01A-11D-A13W-08: 271 transcribe



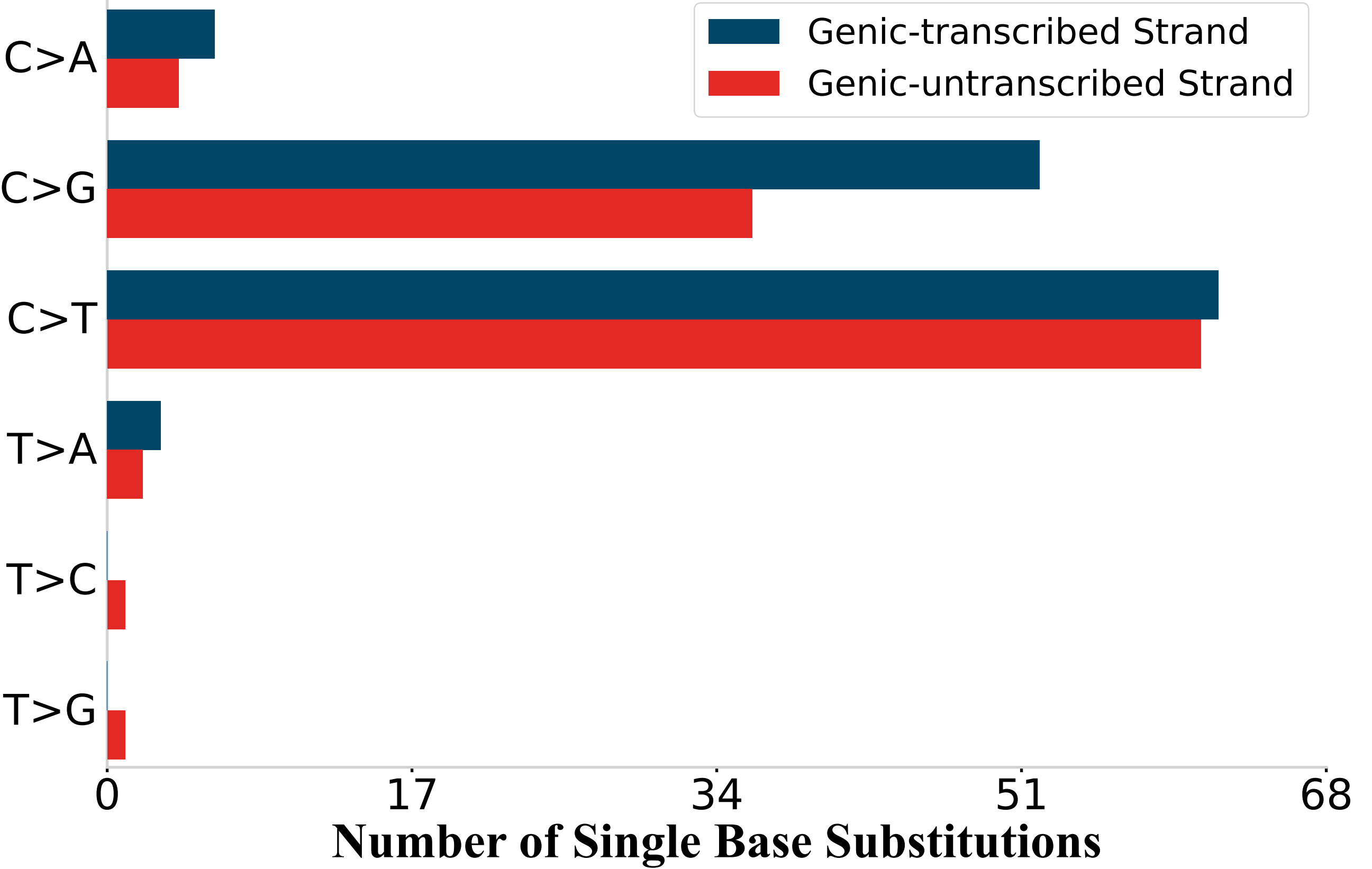
TCGA-DK-A1A7-01A-11D-A13W-08: 247 transcribe



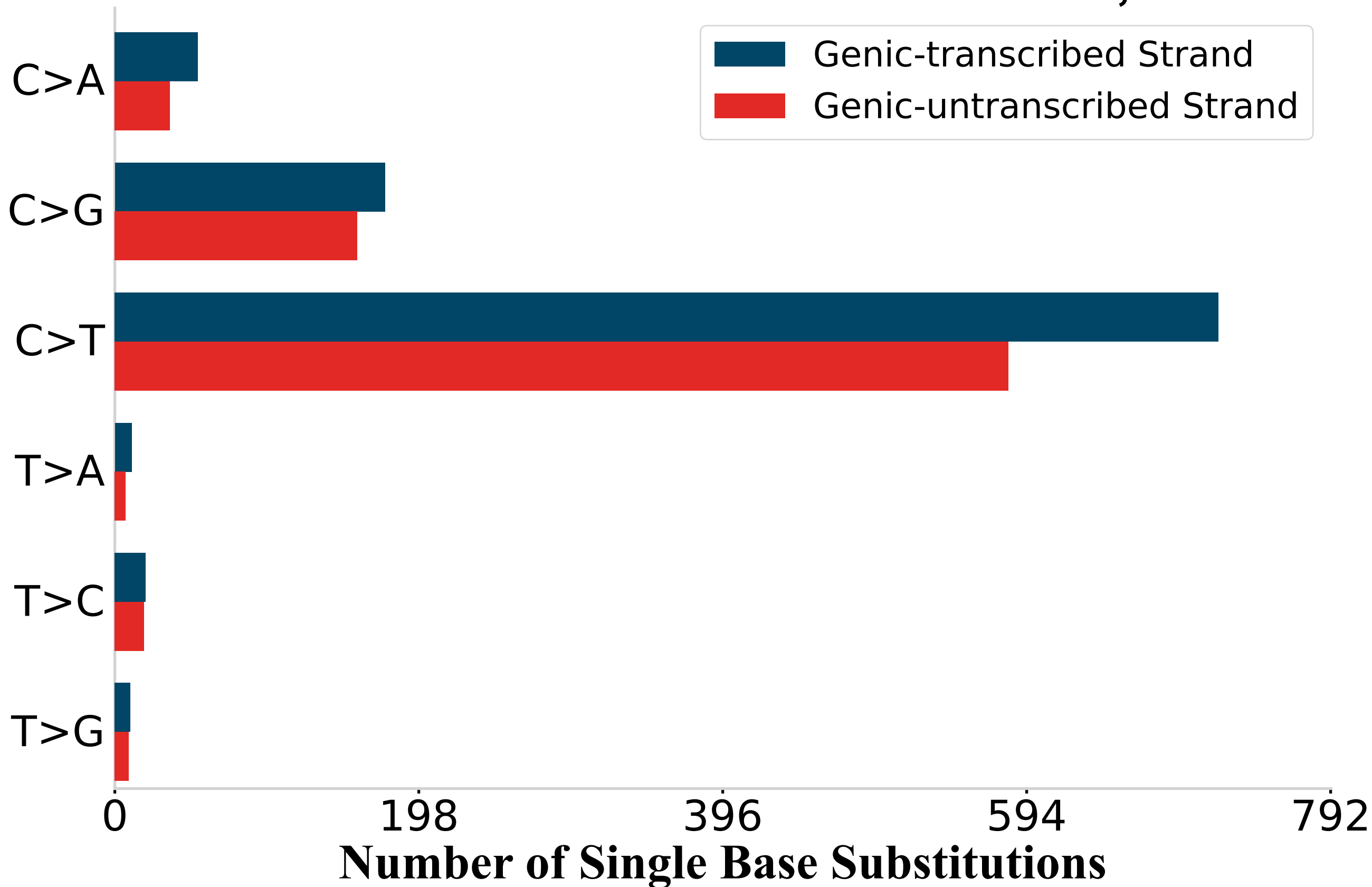
TCGA-DK-A1AA-01A-11D-A13W-08: 97 transcribed



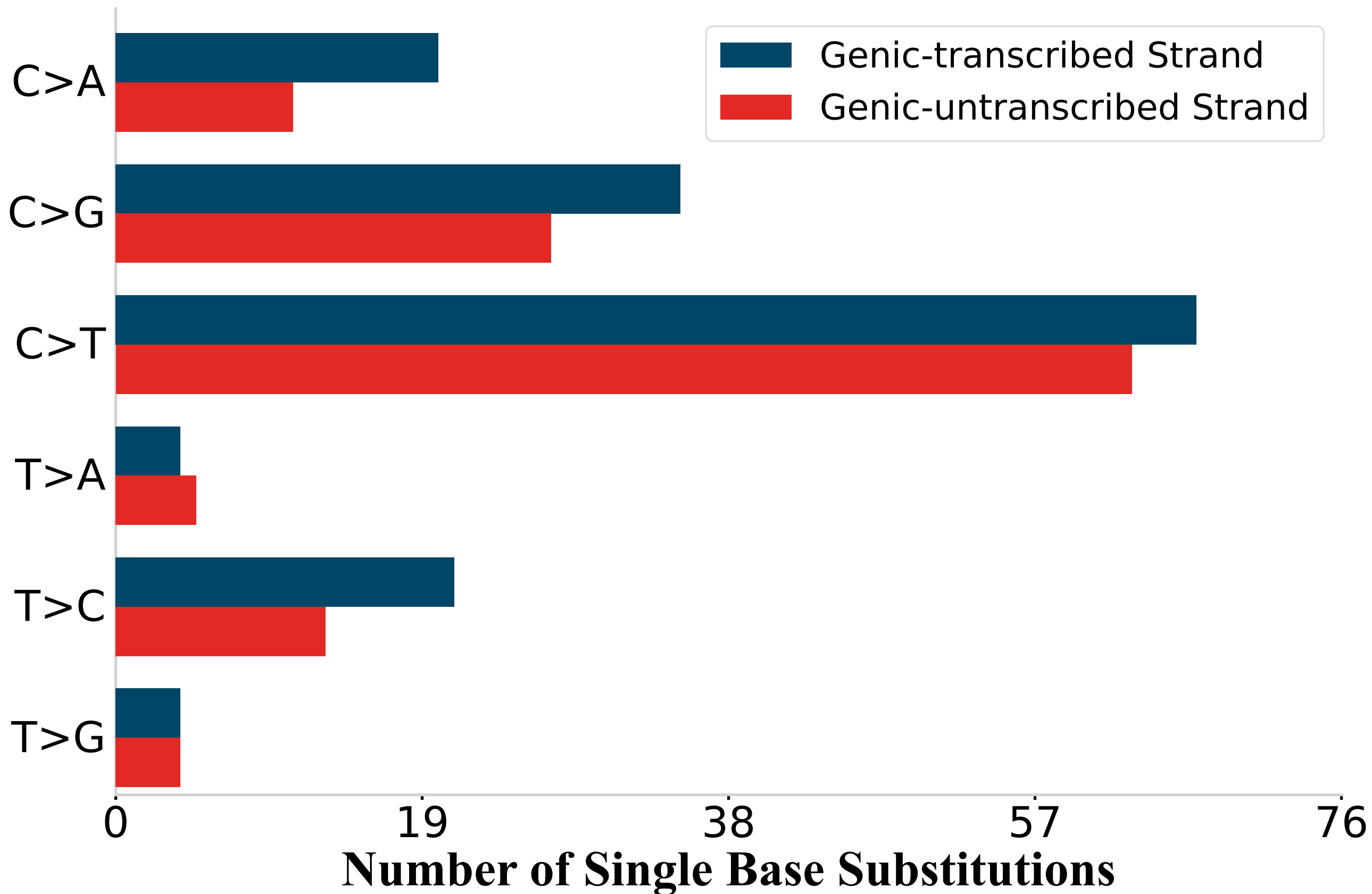
TCGA-DK-A1AB-01A-11D-A13W-08: 228 transcribed



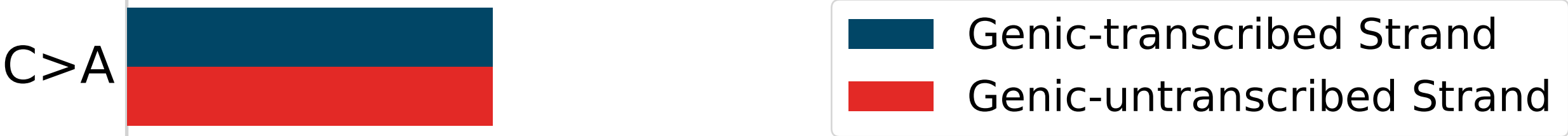
TCGA-DK-A1AC-01A-11D-A13W-08: 1,801 transcrip



TCGA-DK-A1AD-01A-11D-A13W-08: 274 transcribed



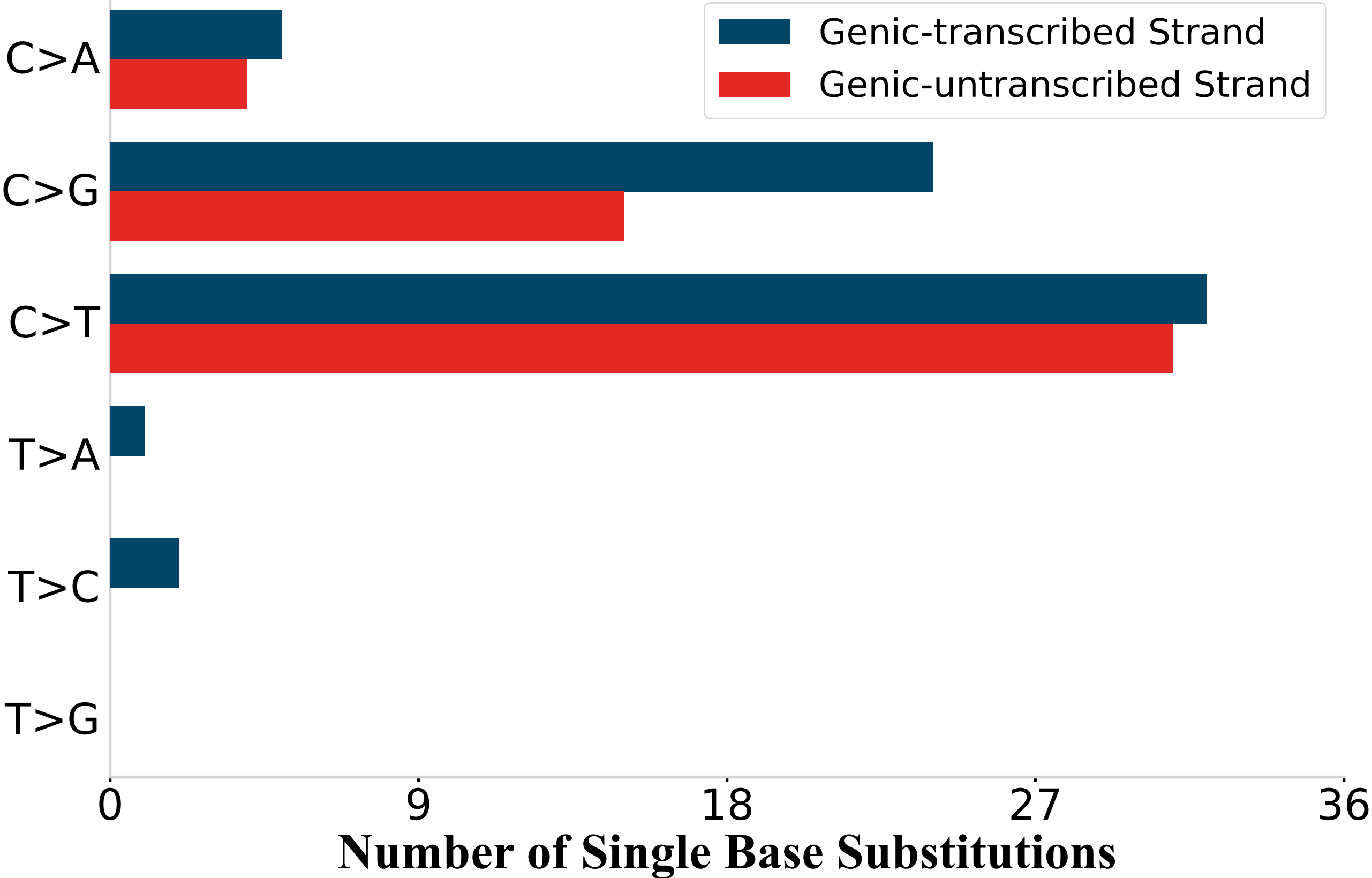
TCGA-DK-A1AE-01A-11D-A13W-08: 134 transcribed



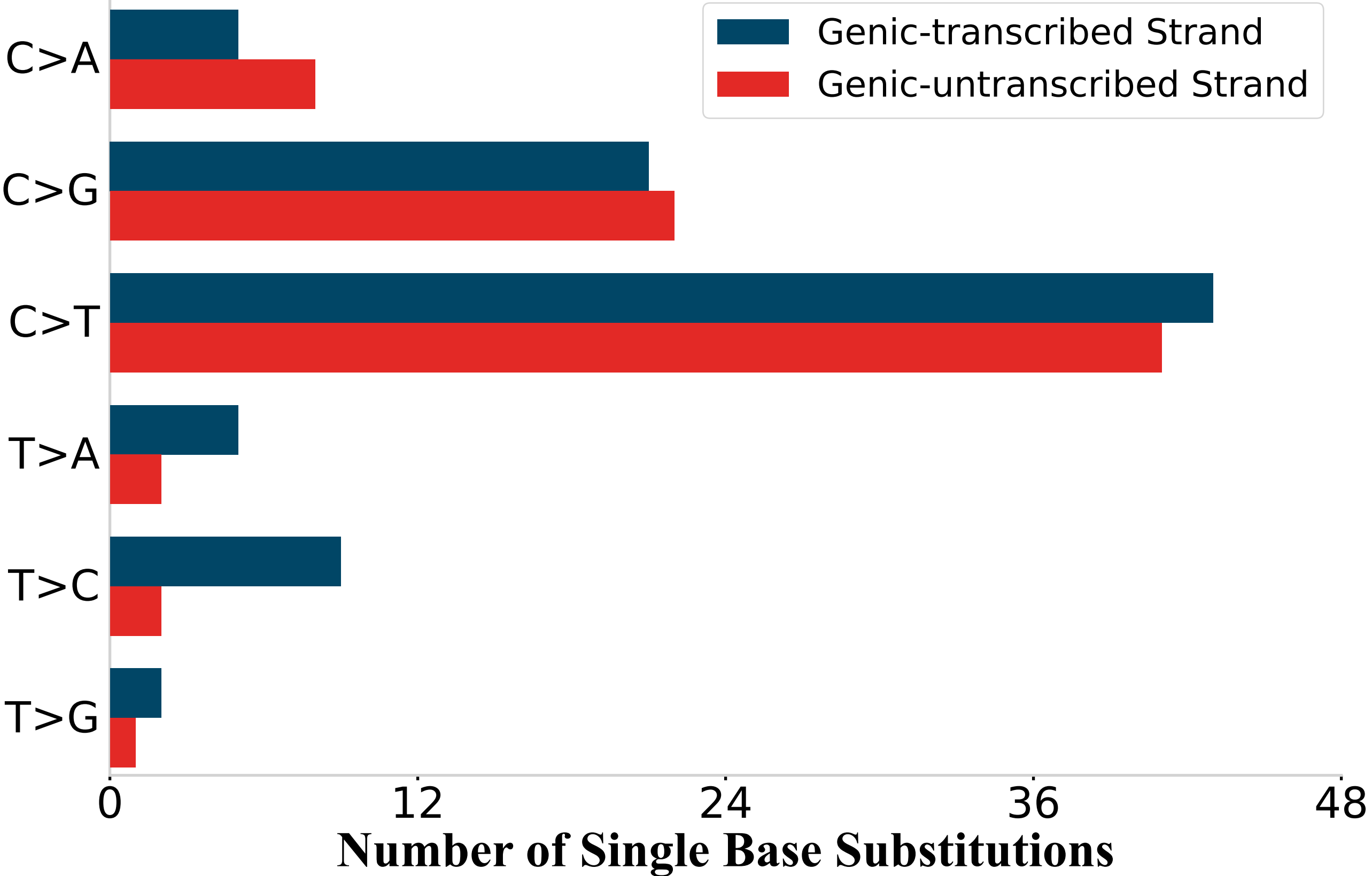
0 11 22 33 44

Number of Single Base Substitutions

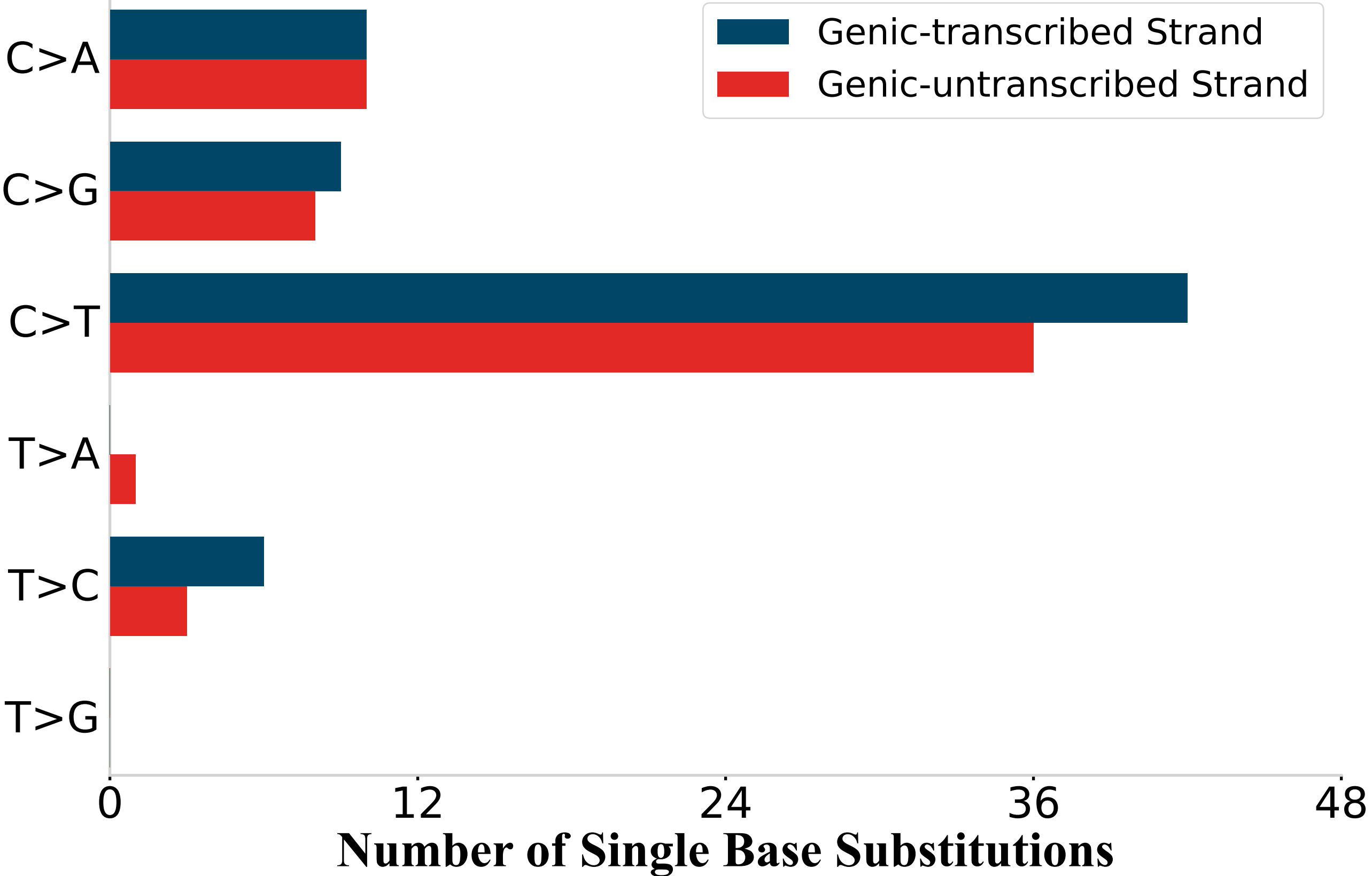
TCGA-DK-A1AF-01A-11D-A13W-08: 114 transcribed



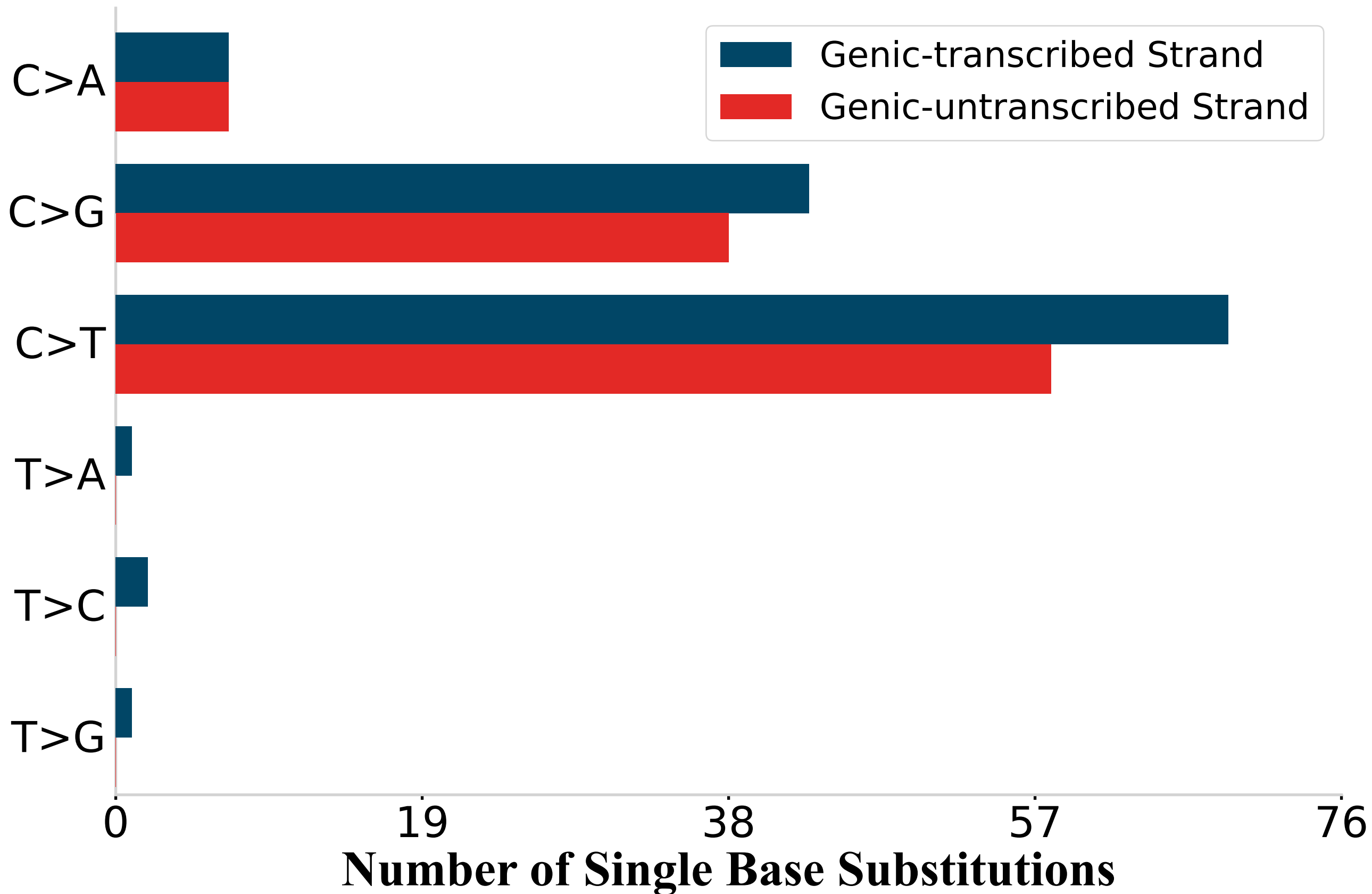
TCGA-DK-A1AG-01A-11D-A13W-08: 161 transcribed



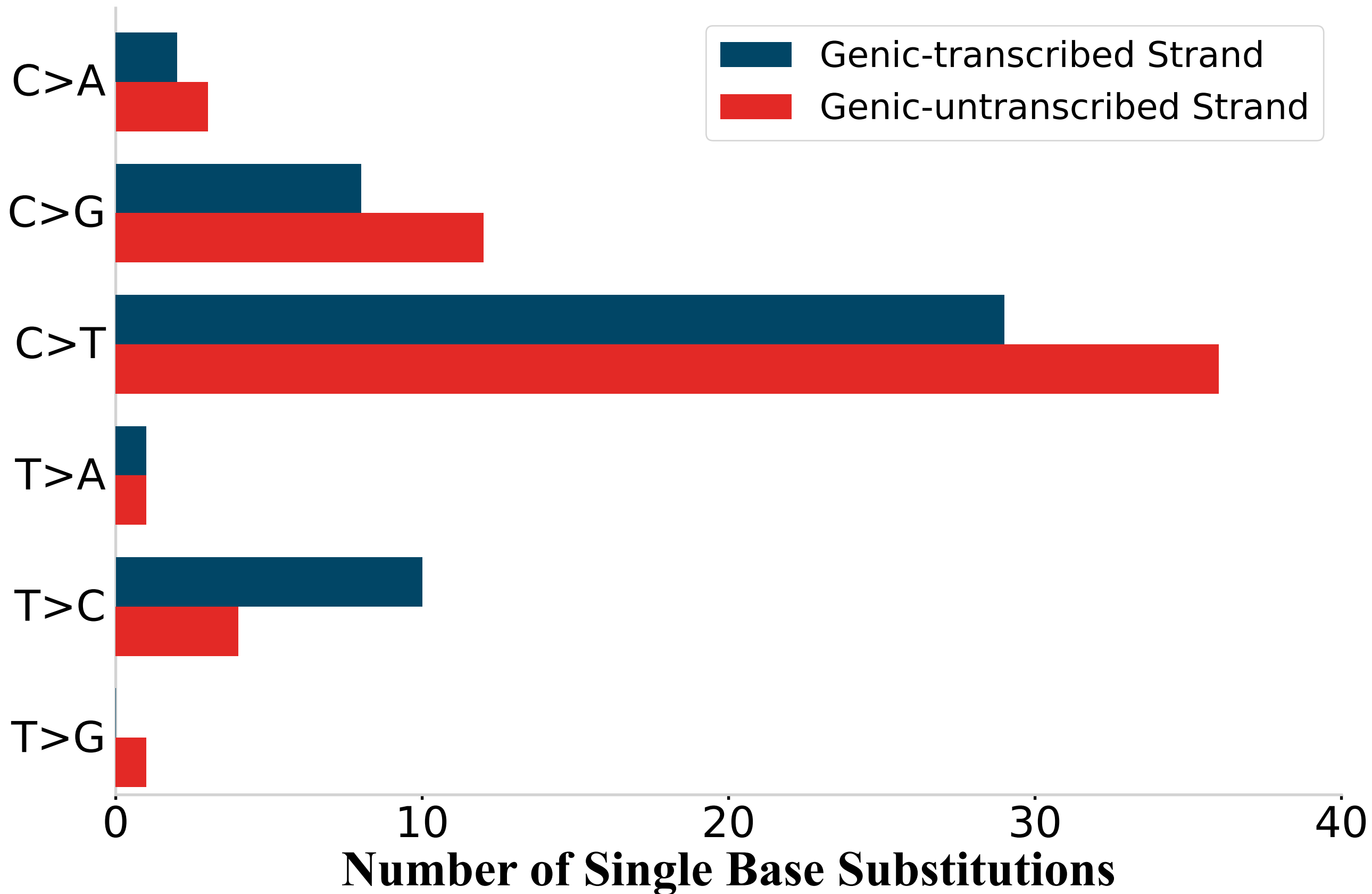
TCGA-DK-A2HX-01A-12D-A18F-08: 125 transcribed



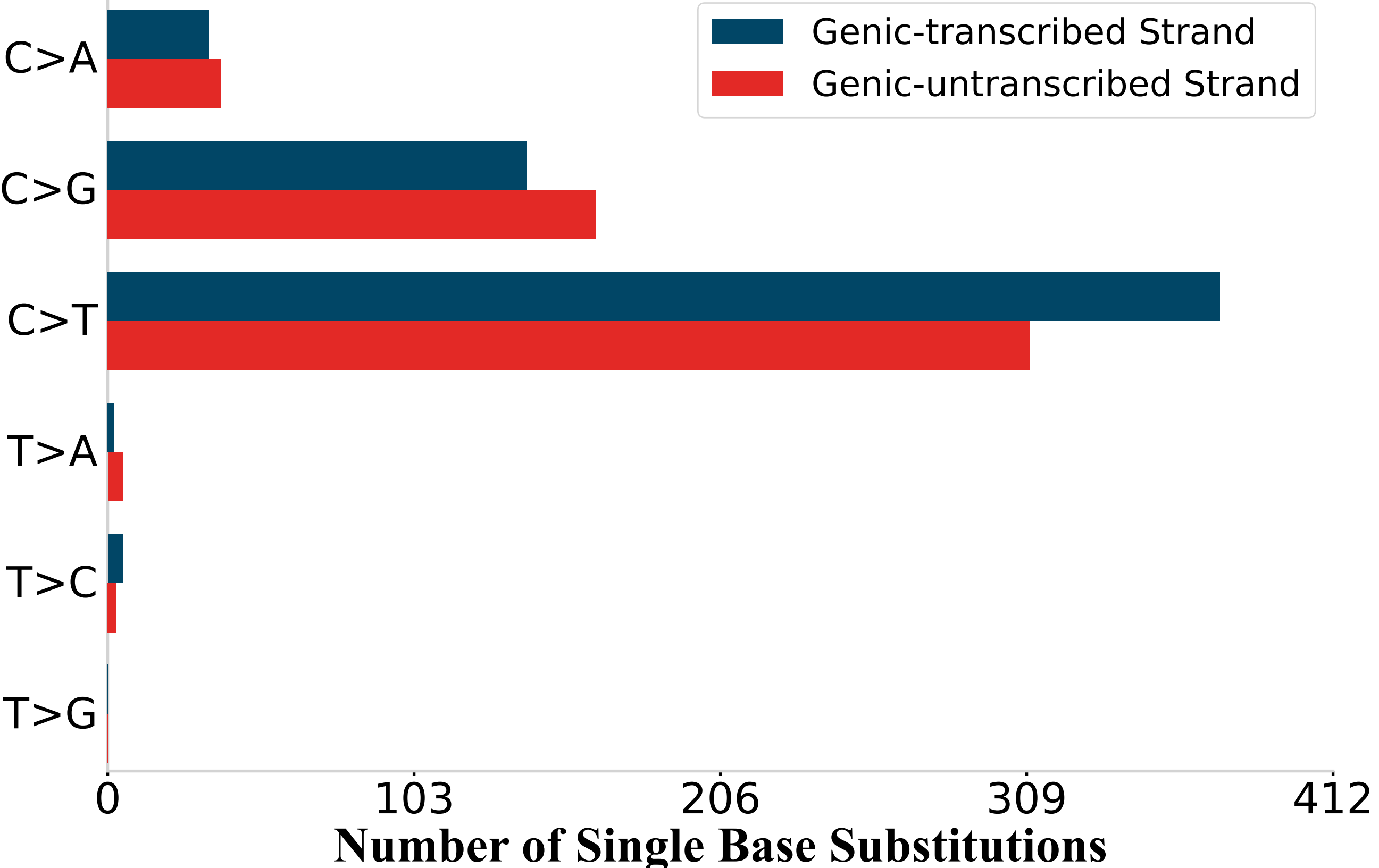
TCGA-DK-A2I1-01A-11D-A17V-08: 226 transcribed



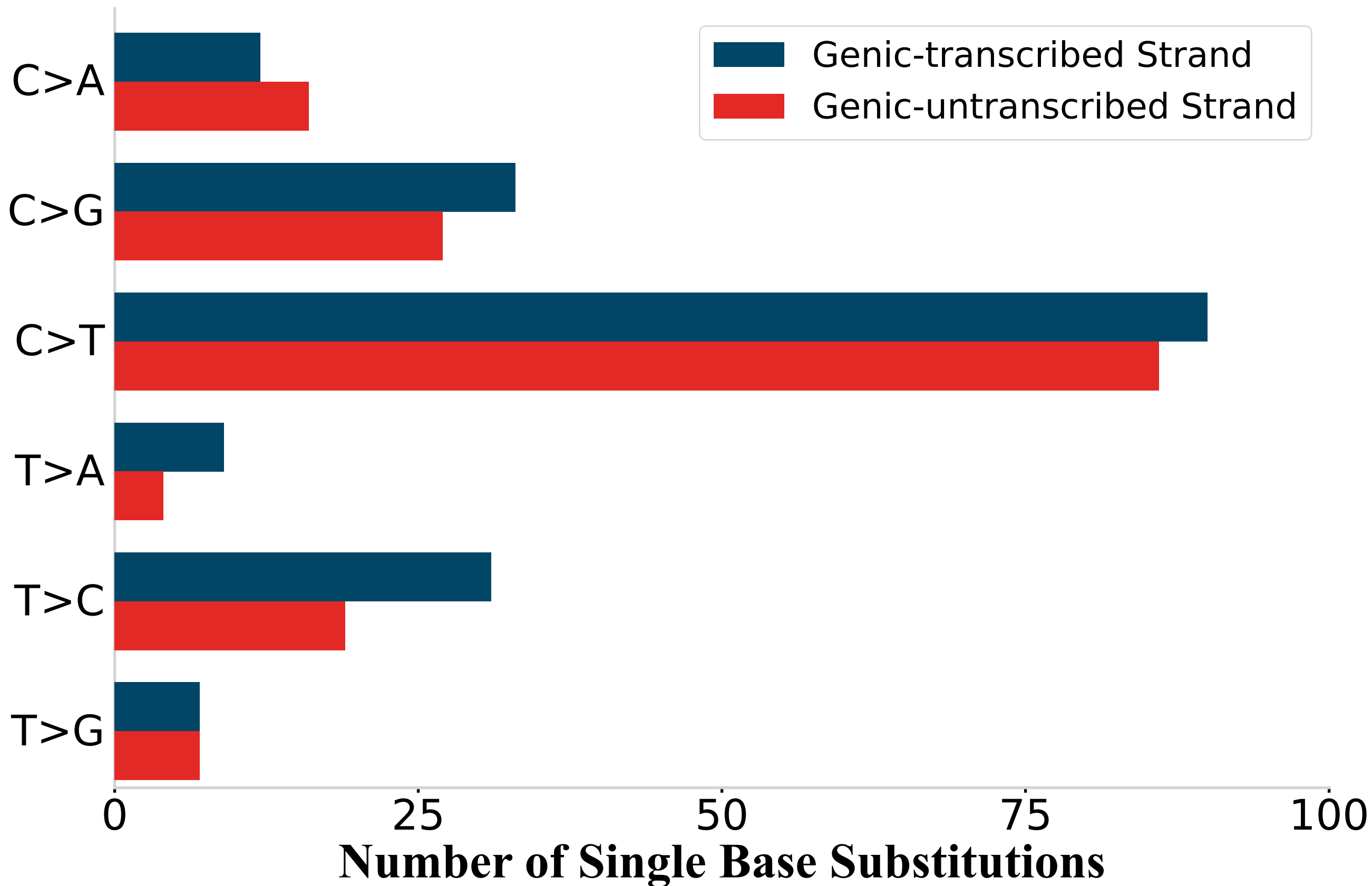
TCGA-DK-A2I2-01A-11D-A17V-08: 107 transcribed



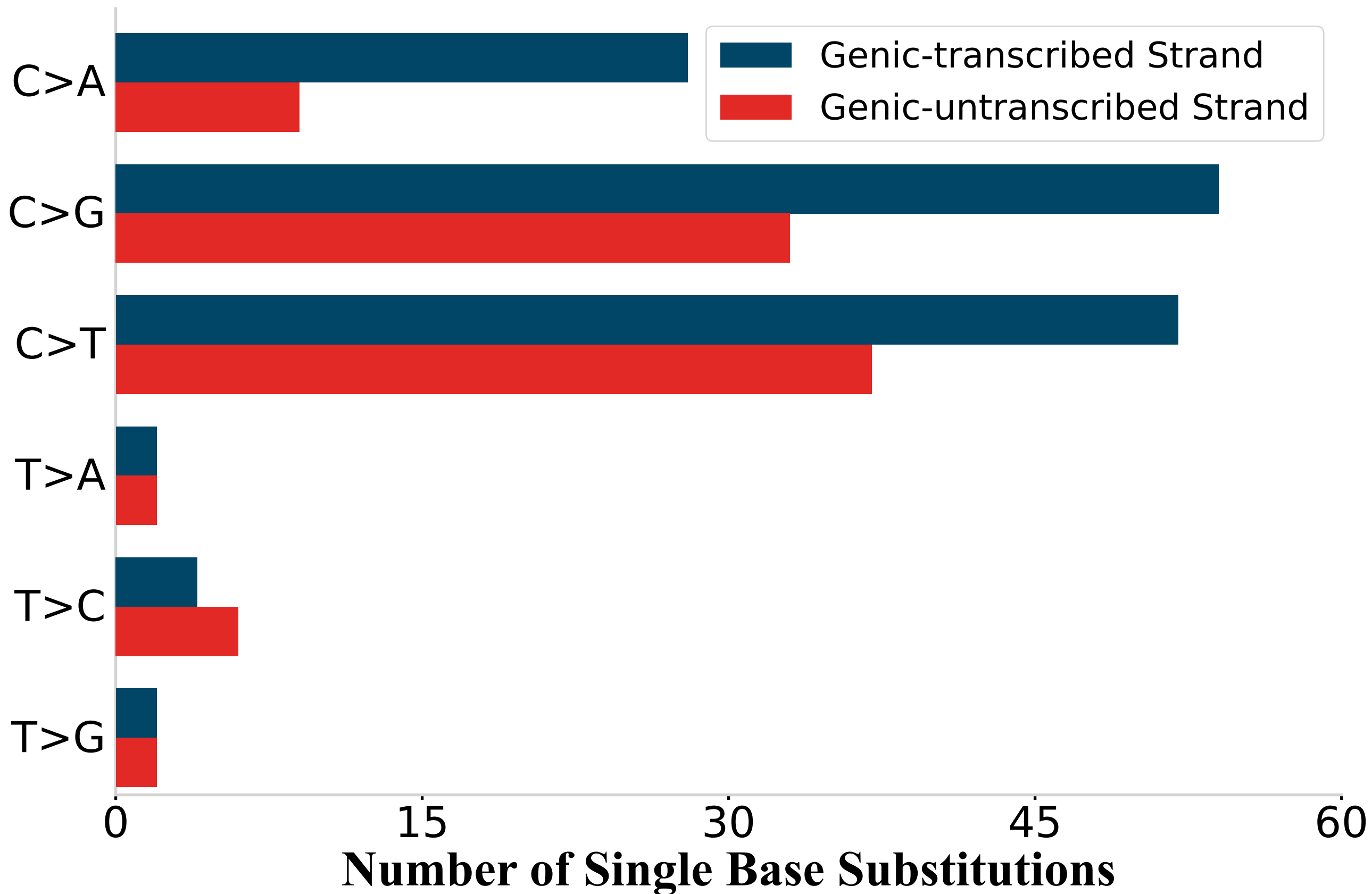
TCGA-DK-A2I4-01A-11D-A21A-08: 1,076 transcribed



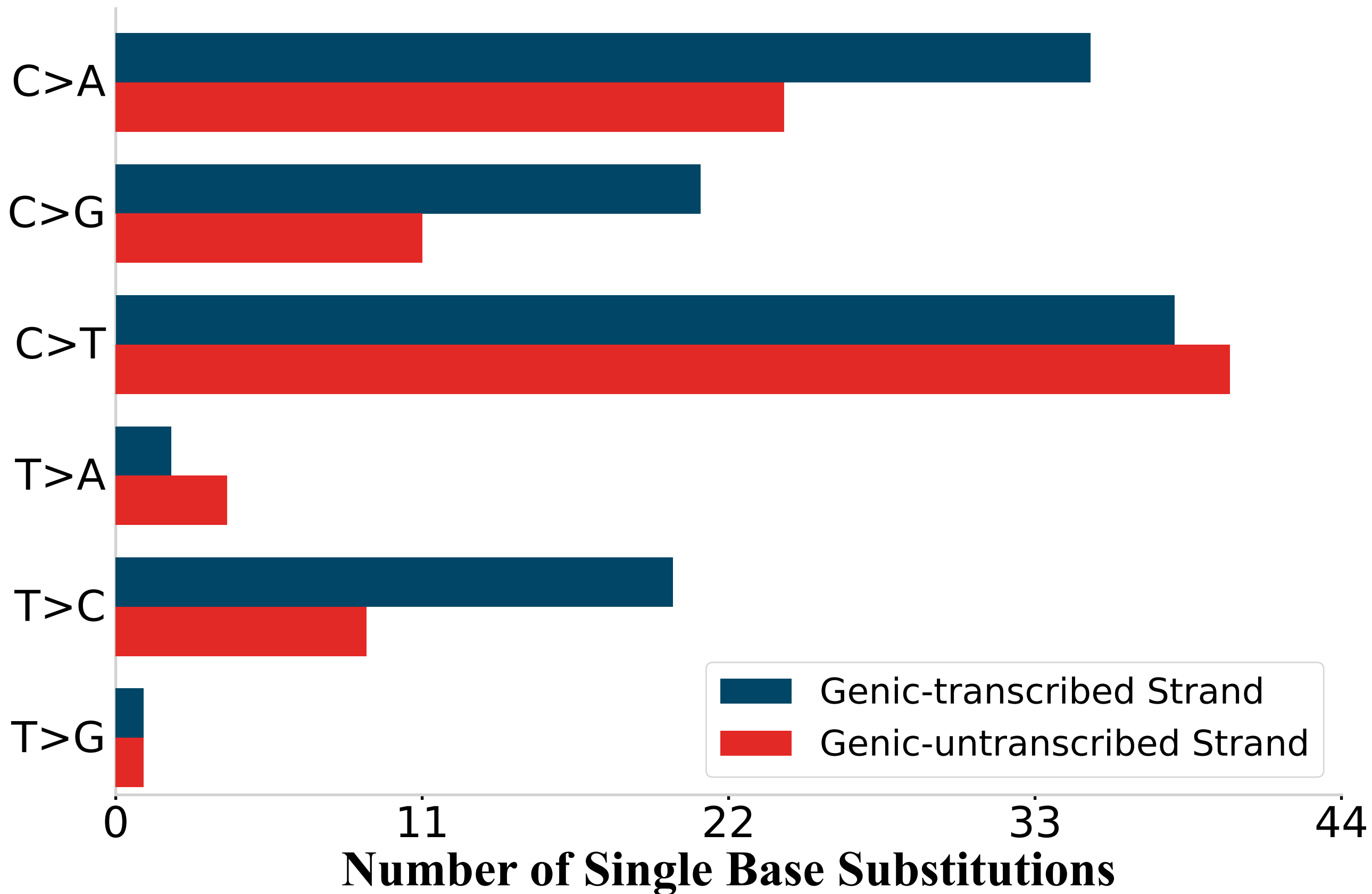
TCGA-DK-A2I6-01A-12D-A18F-08: 341 transcribed



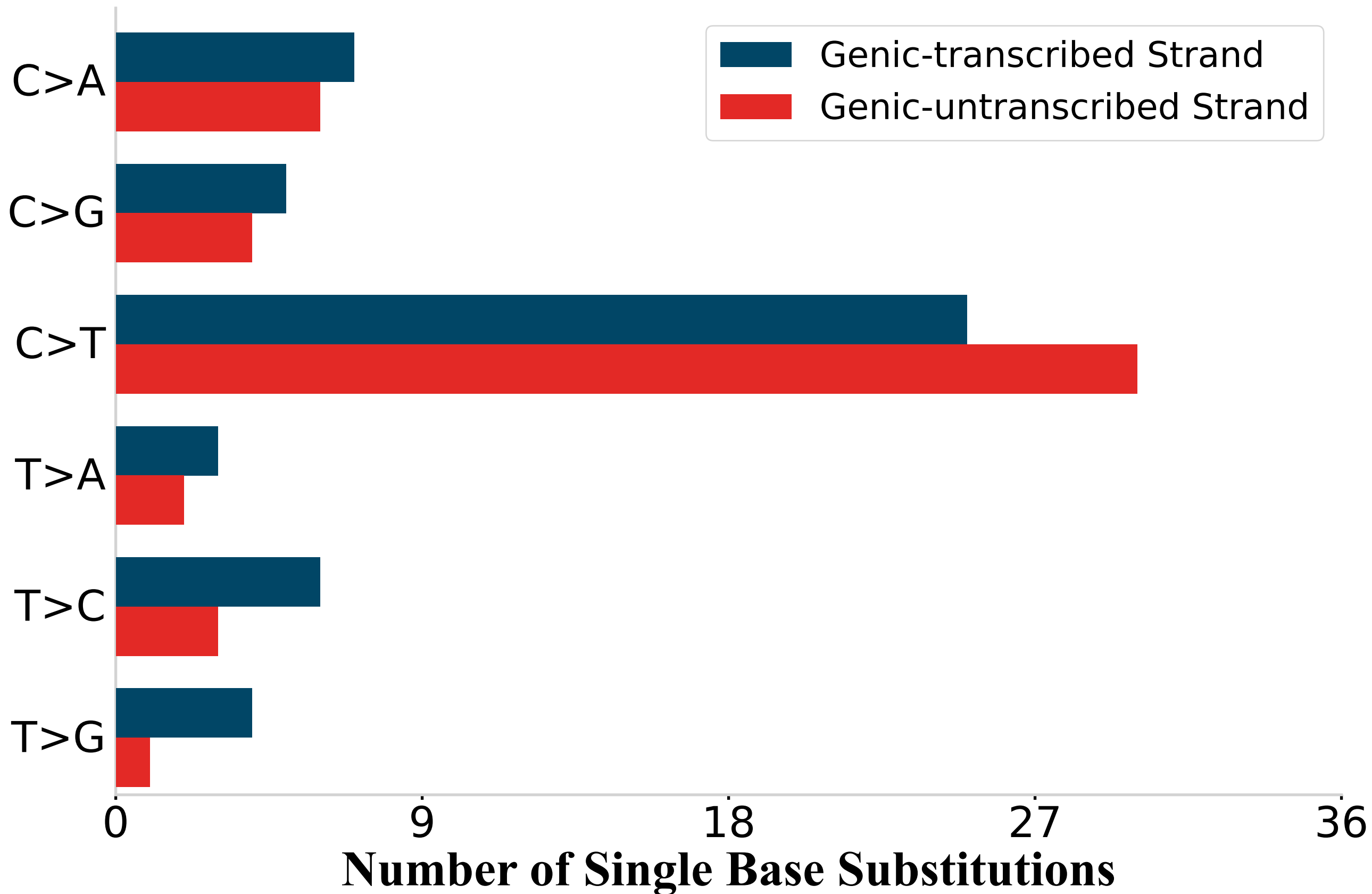
TCGA-DK-A3IK-01A-32D-A21A-08: 231 transcribed



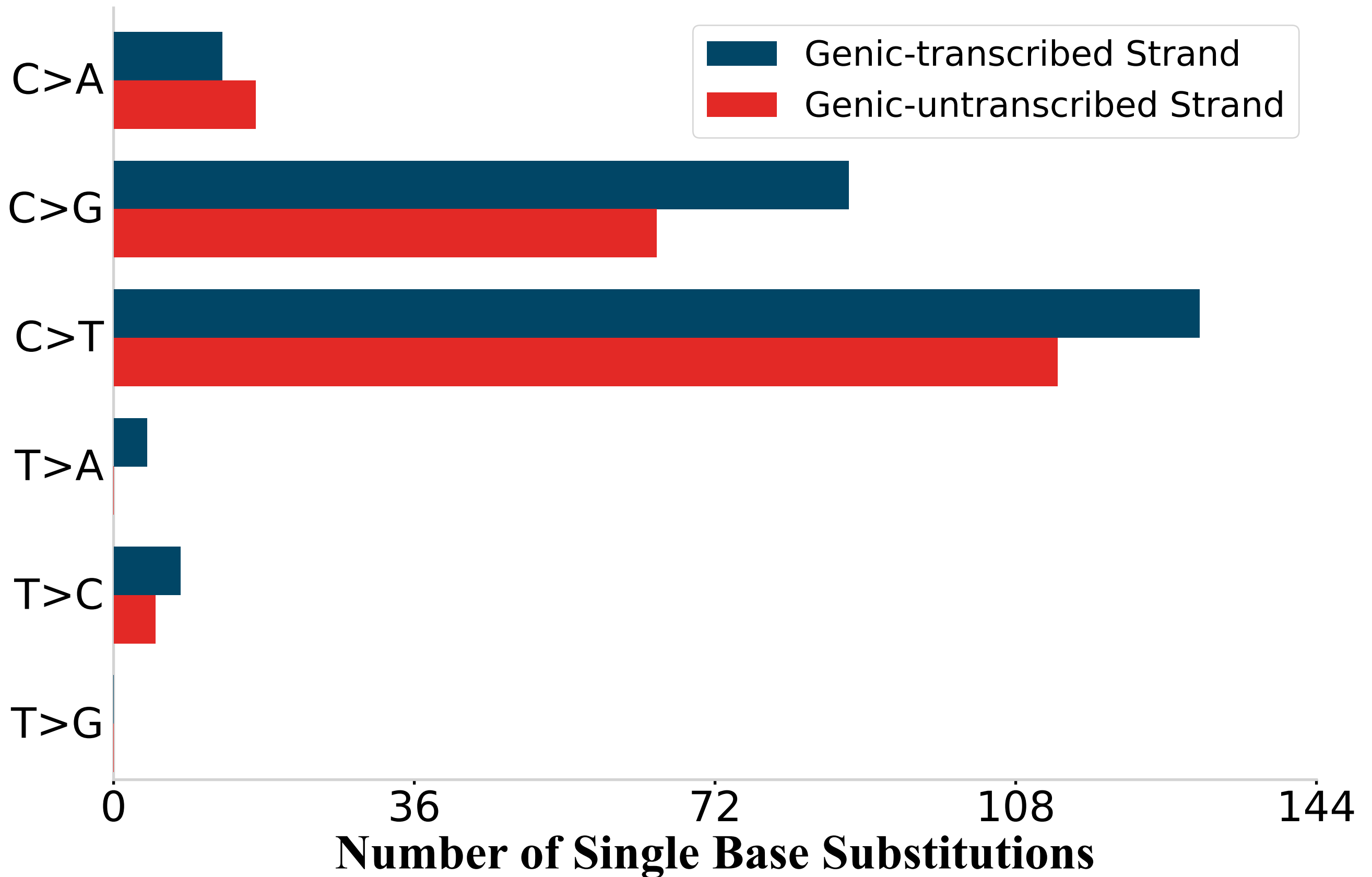
TCGA-DK-A3IL-01A-11D-A20D-08: 206 transcribed



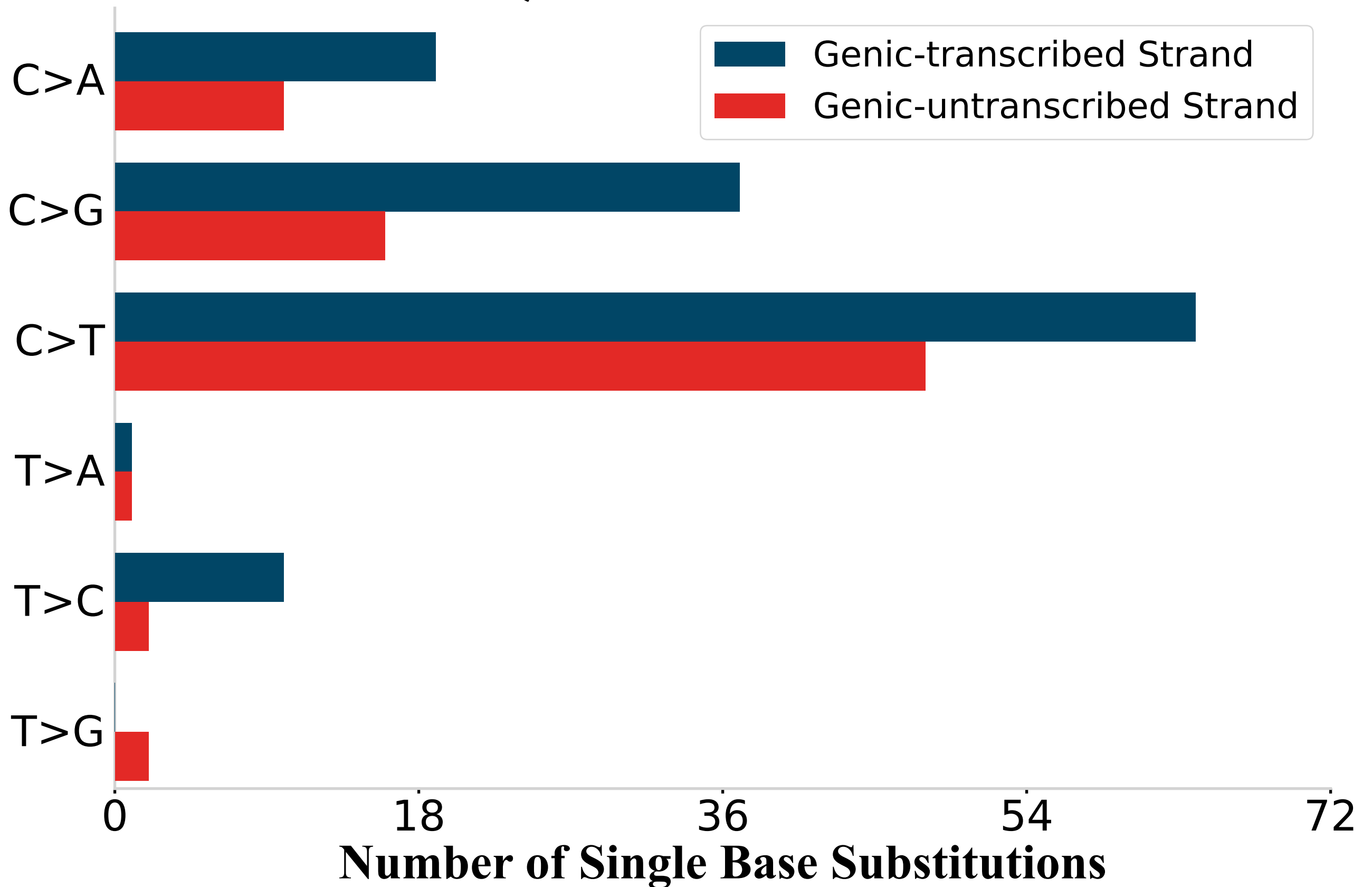
TCGA-DK-A3IM-01A-11D-A20D-08: 96 transcribed



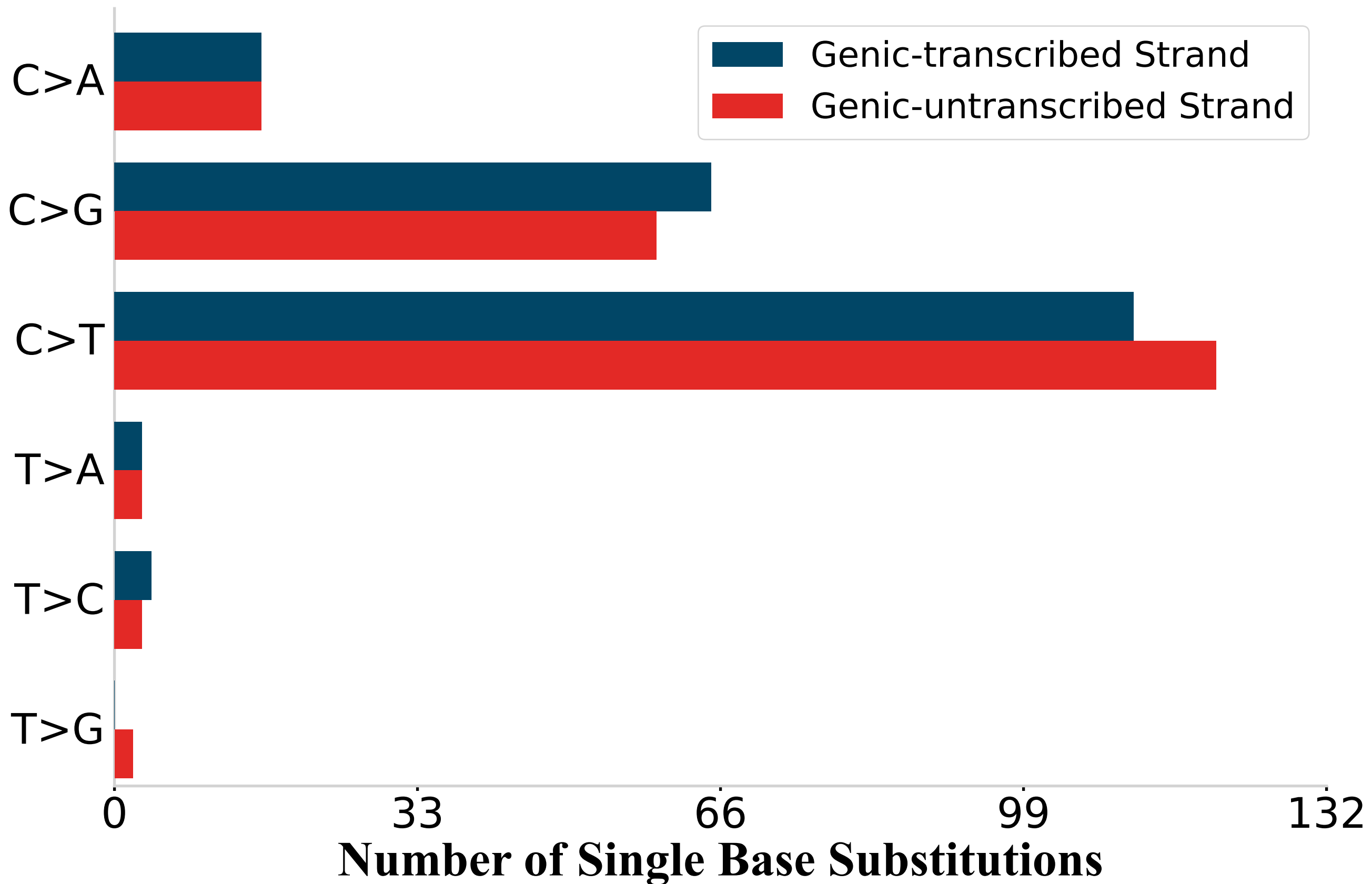
TCGA-DK-A3IN-01A-11D-A20D-08: 443 transcribed



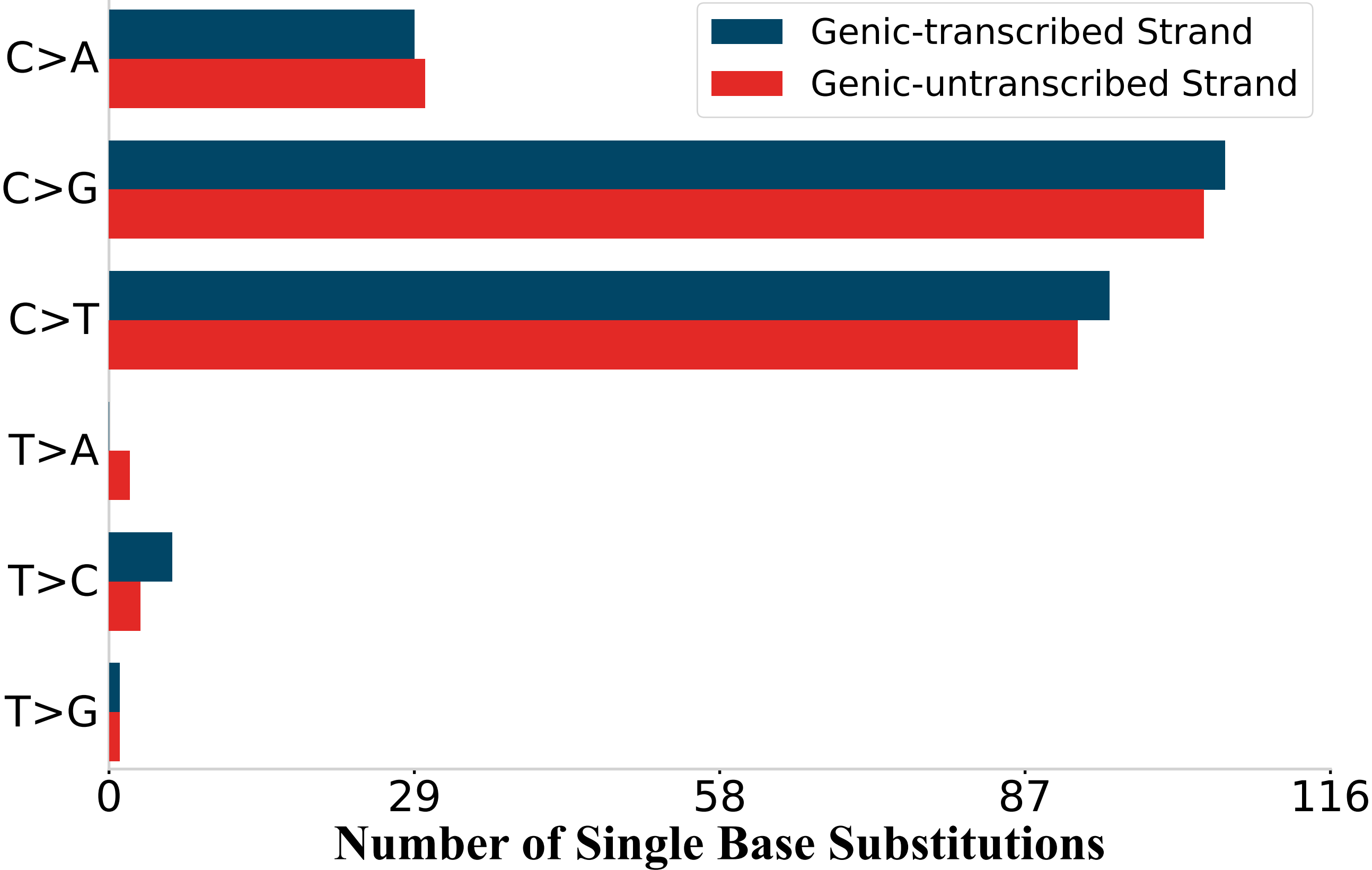
TCGA-DK-A3IQ-01A-31D-A20D-08: 210 transcribed



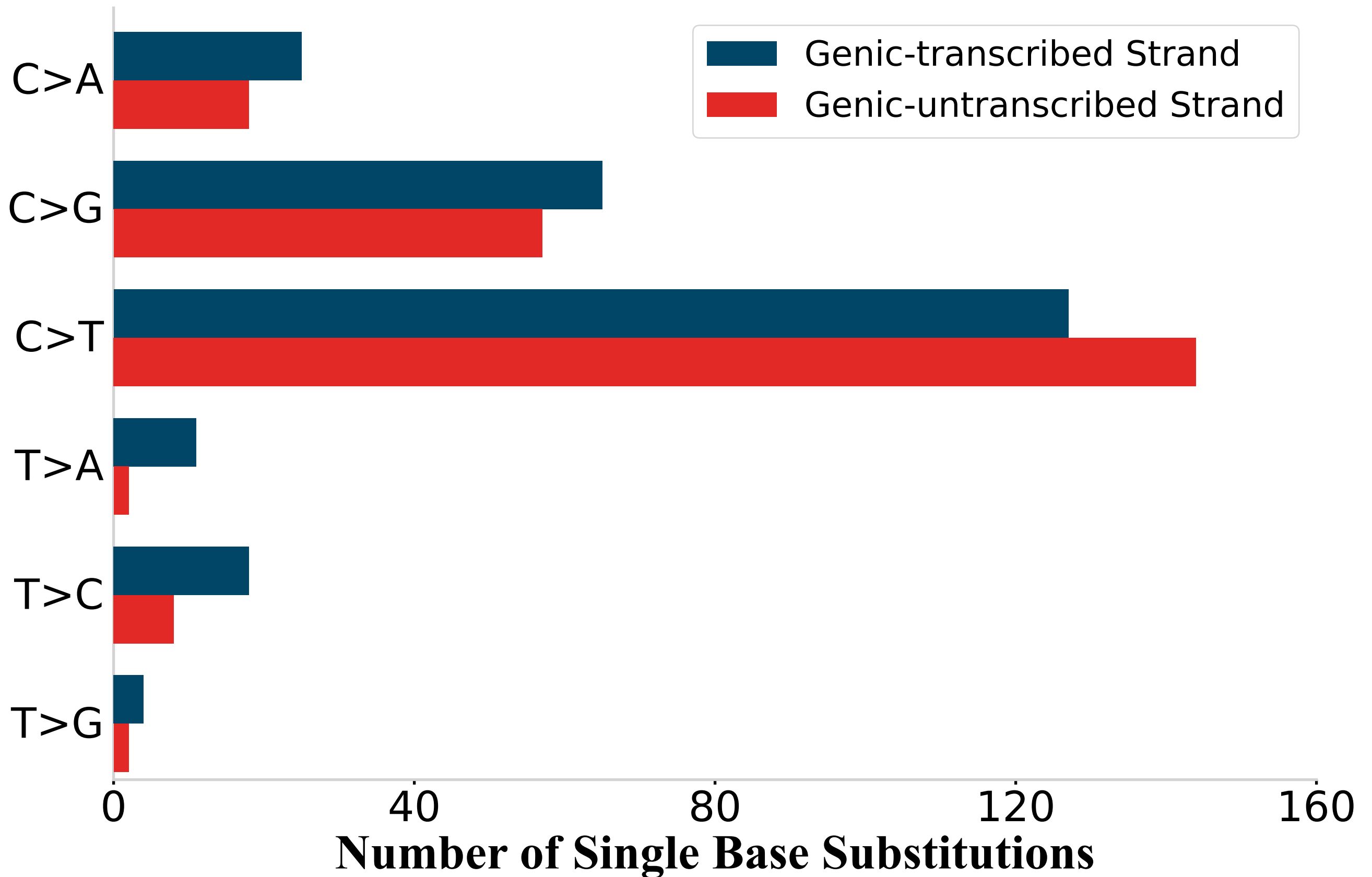
TCGA-DK-A3IS-01A-21D-A21A-08: 402 transcribed



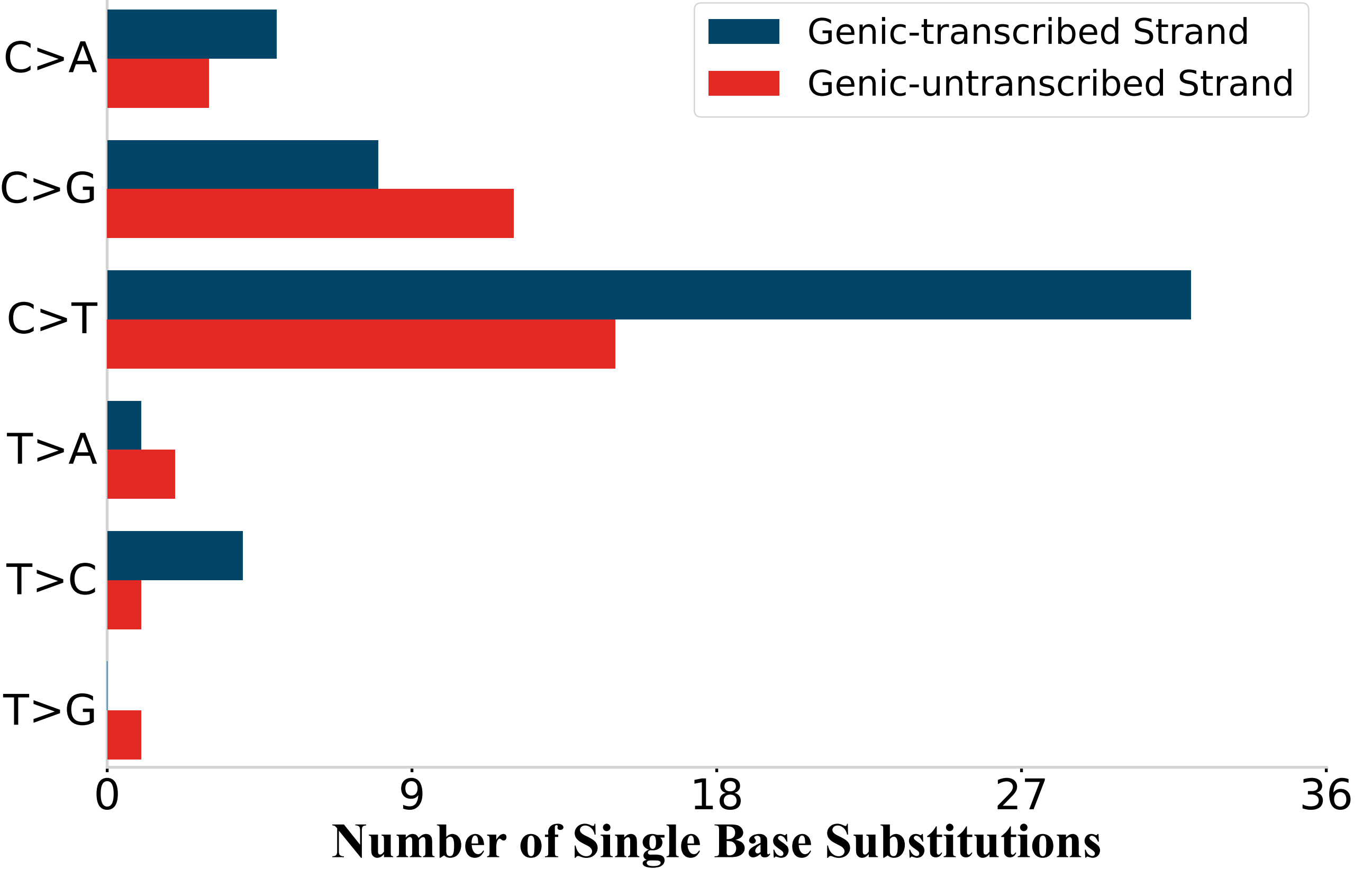
TCGA-DK-A3IT-01A-31D-A20D-08: 469 transcribed



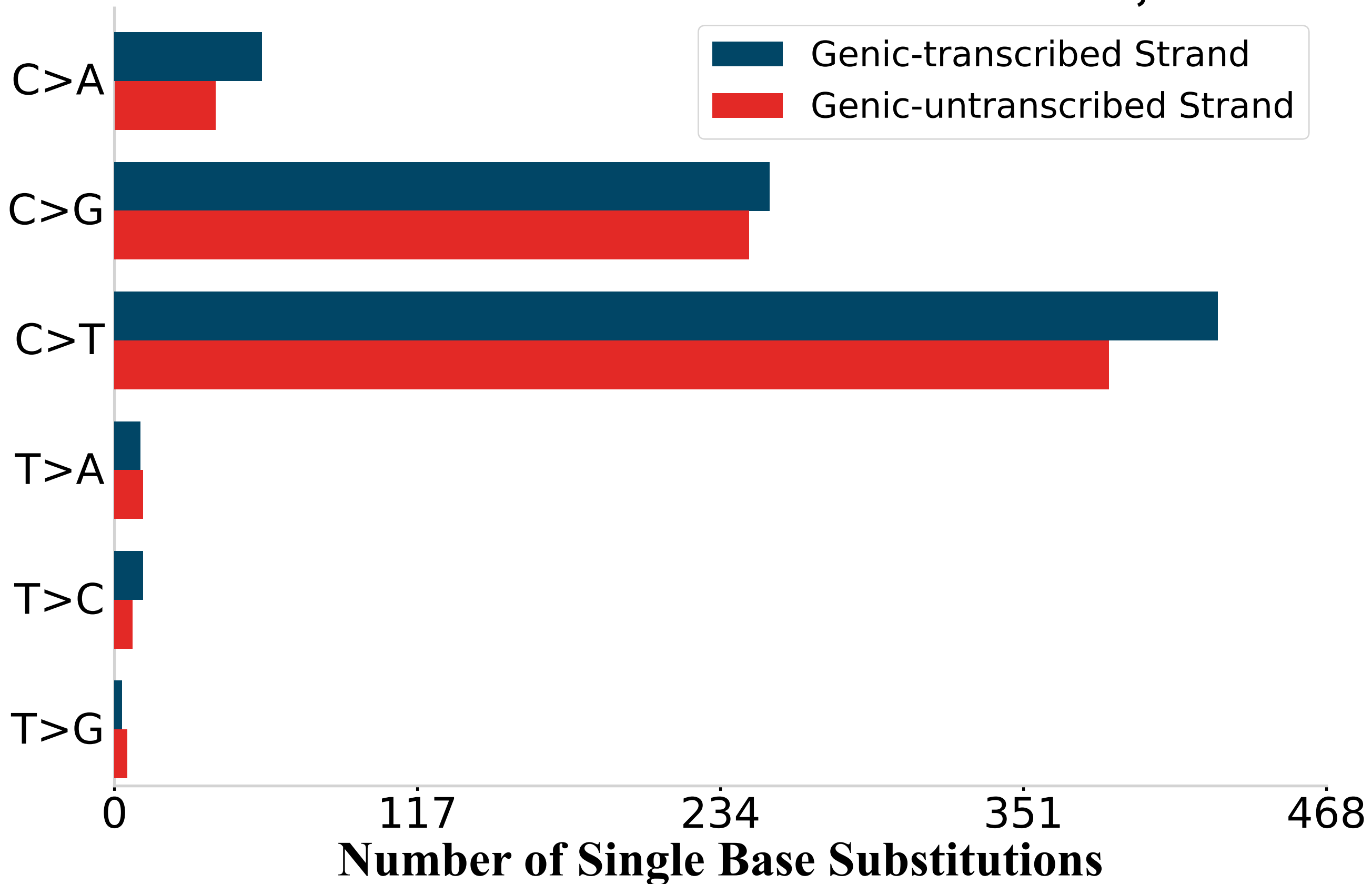
TCGA-DK-A3IU-01A-11D-A20D-08: 481 transcribed



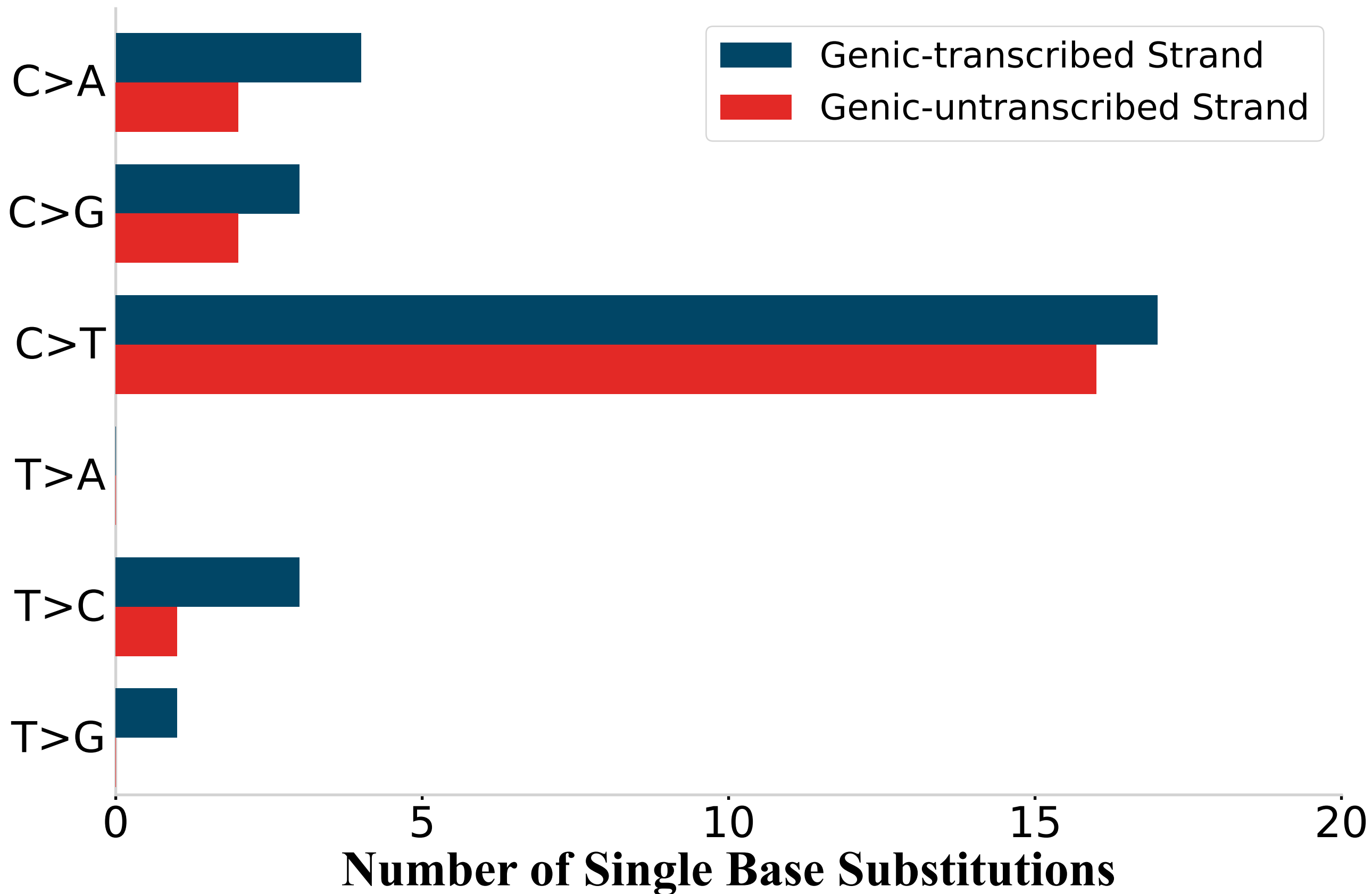
TCGA-DK-A3IV-01A-22D-A21A-08: 84 transcribed s



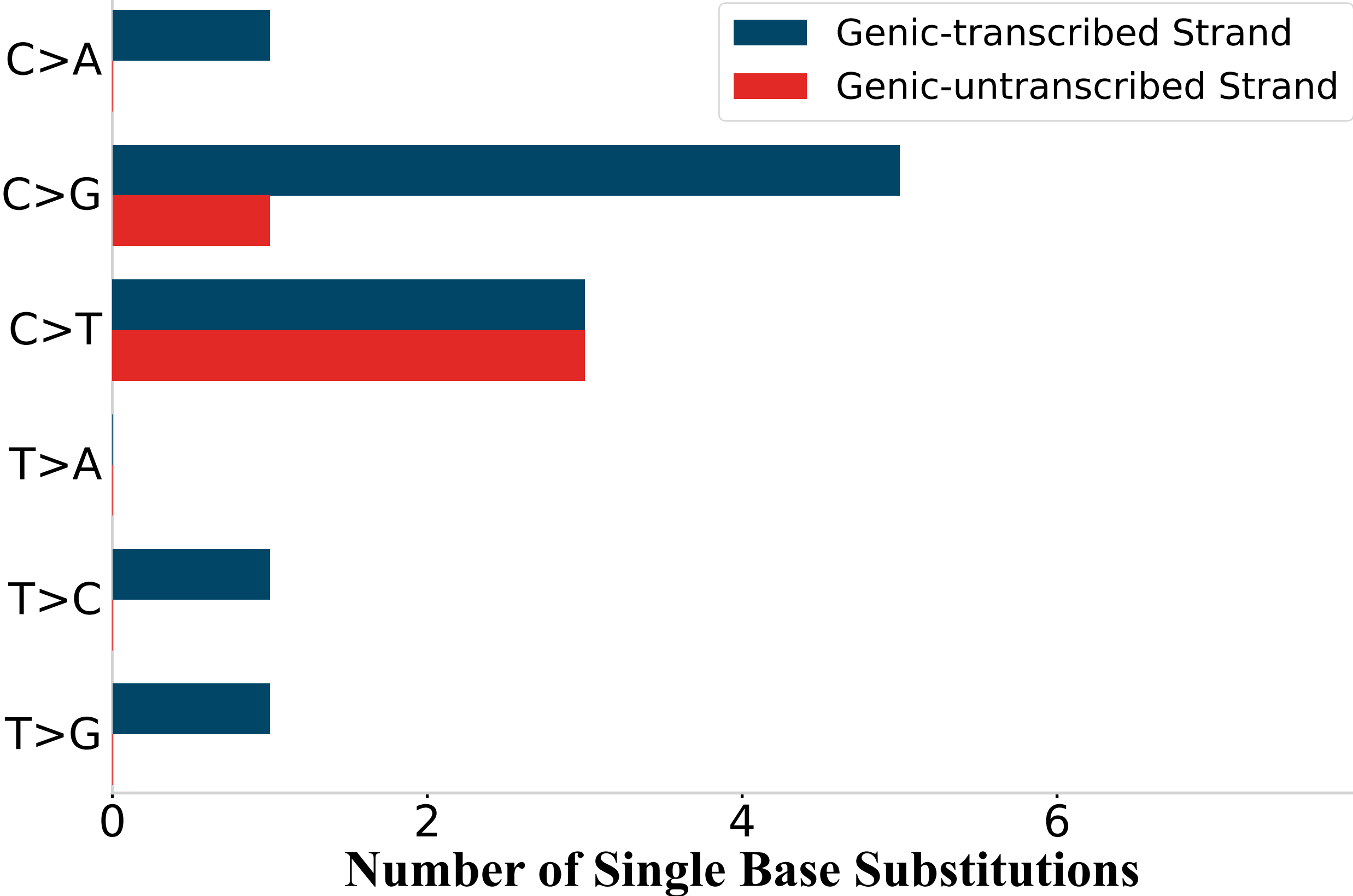
TCGA-DK-A3WW-01A-22D-A23M-08: 1,451 transcr



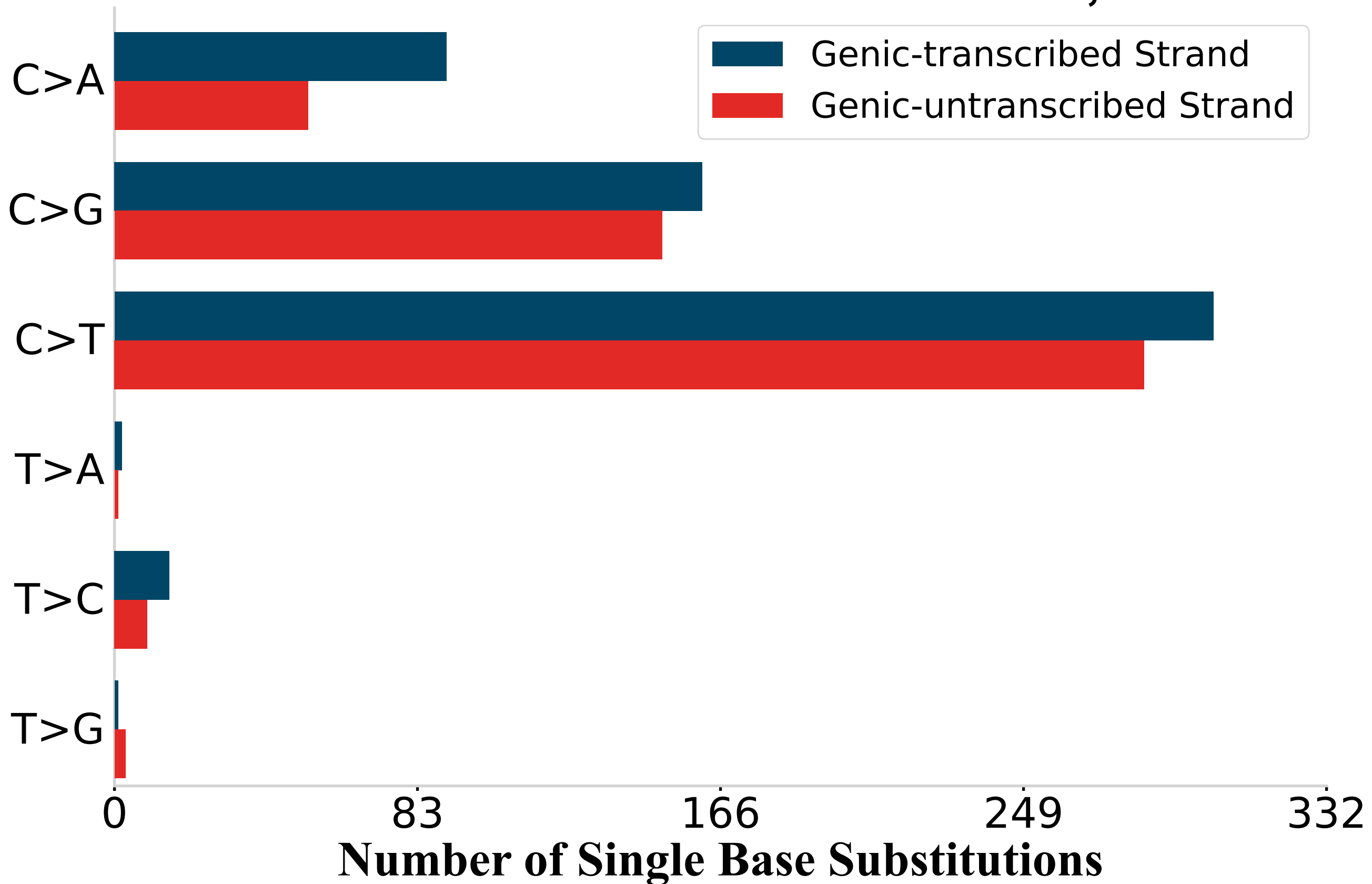
TCGA-DK-A3WX-01A-22D-A22Z-08: 49 transcribed



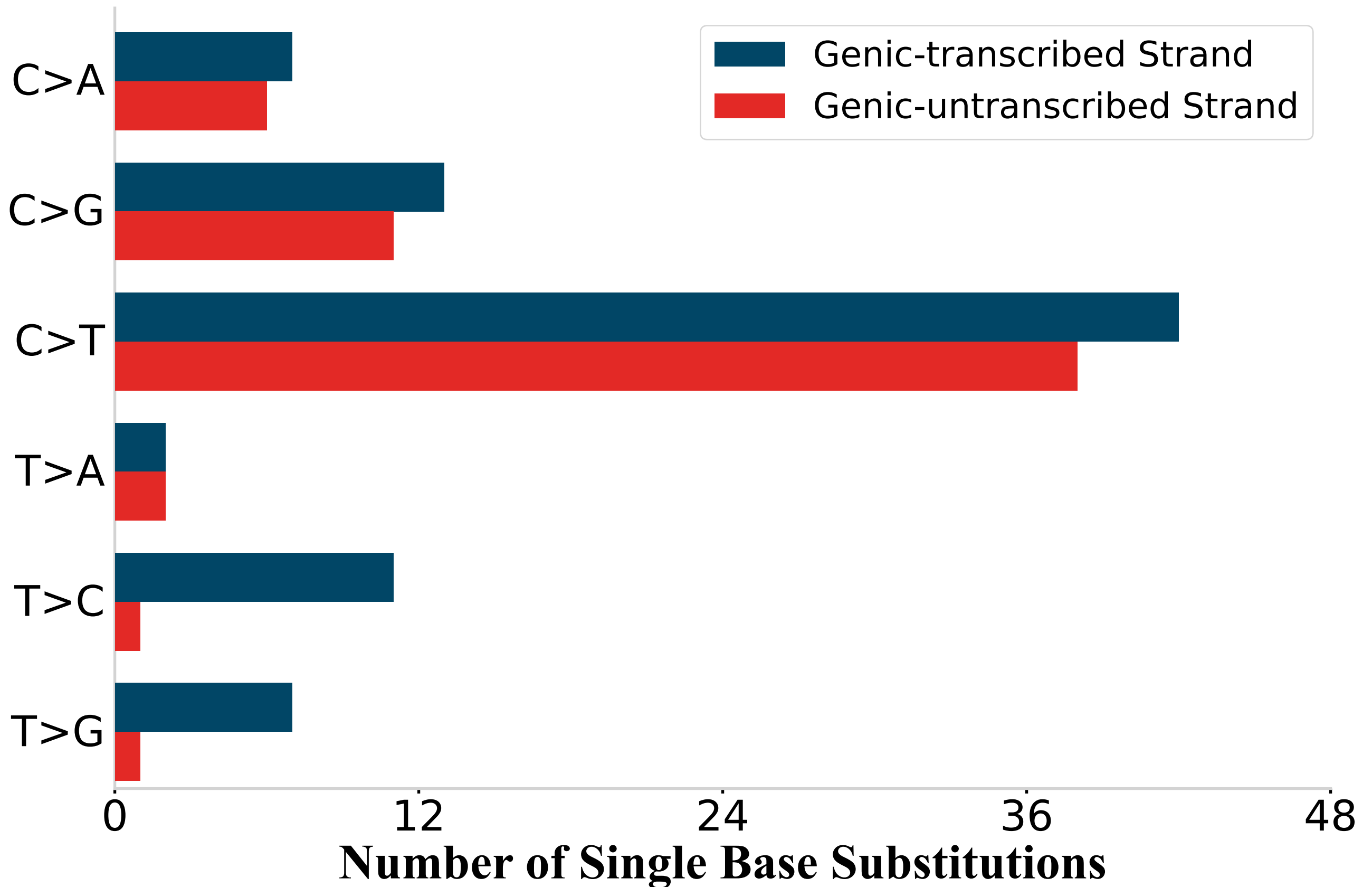
TCGA-DK-A3WY-01A-11D-A22Z-08: 15 transcribed



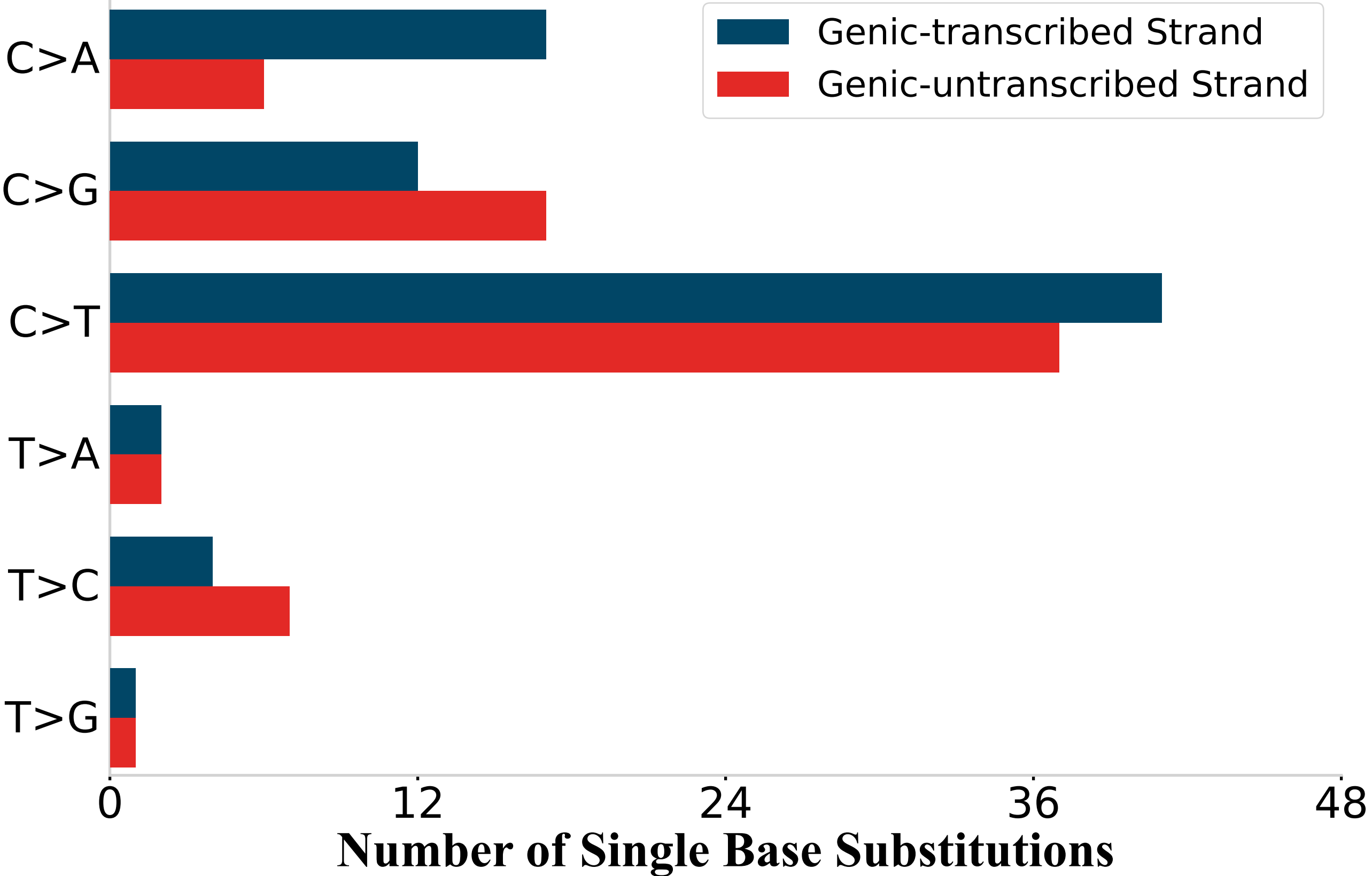
TCGA-DK-A3X1-01A-12D-A22Z-08: 1,069 transcrib



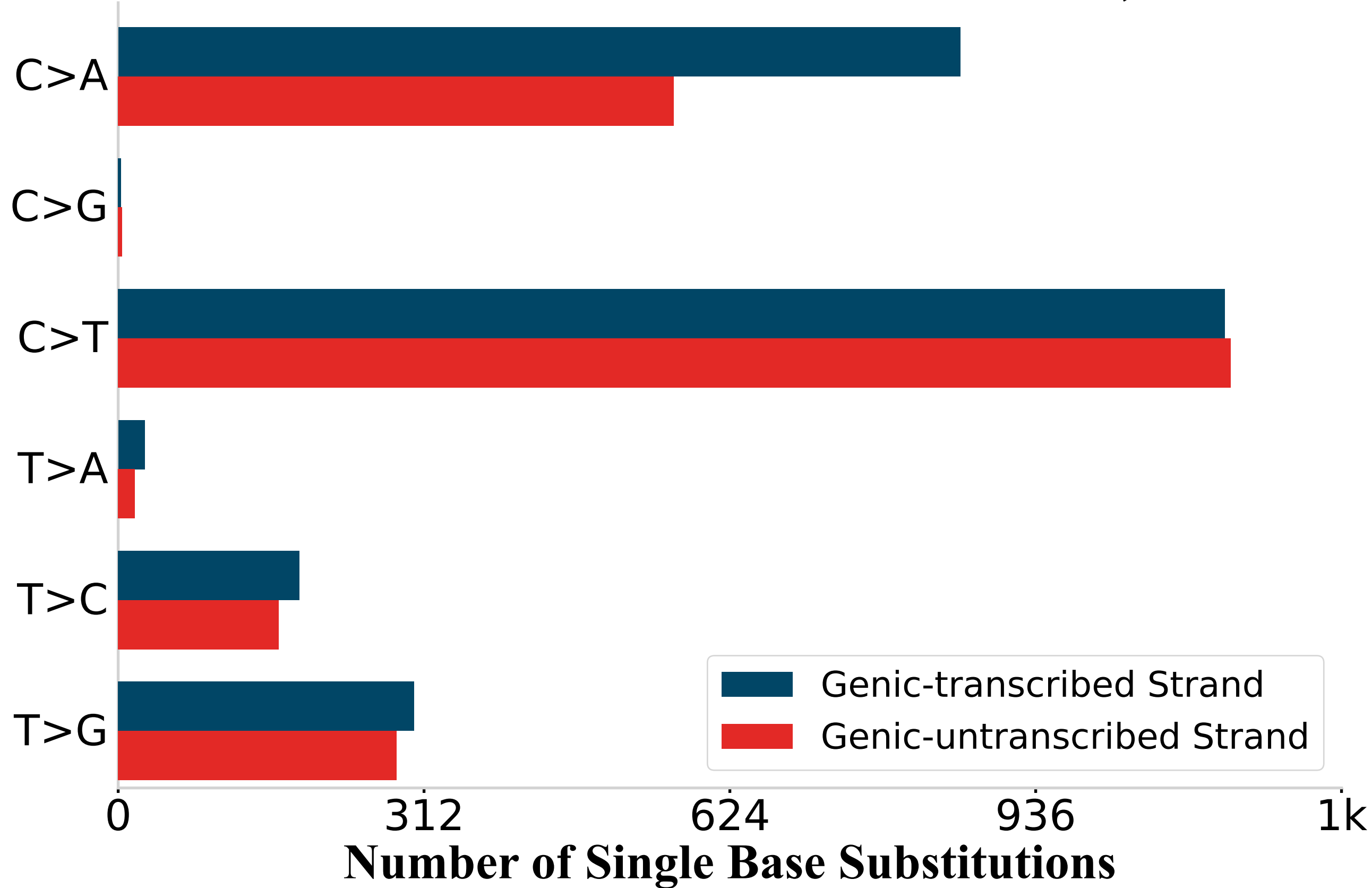
TCGA-DK-A3X2-01A-11D-A22Z-08: 141 transcribed



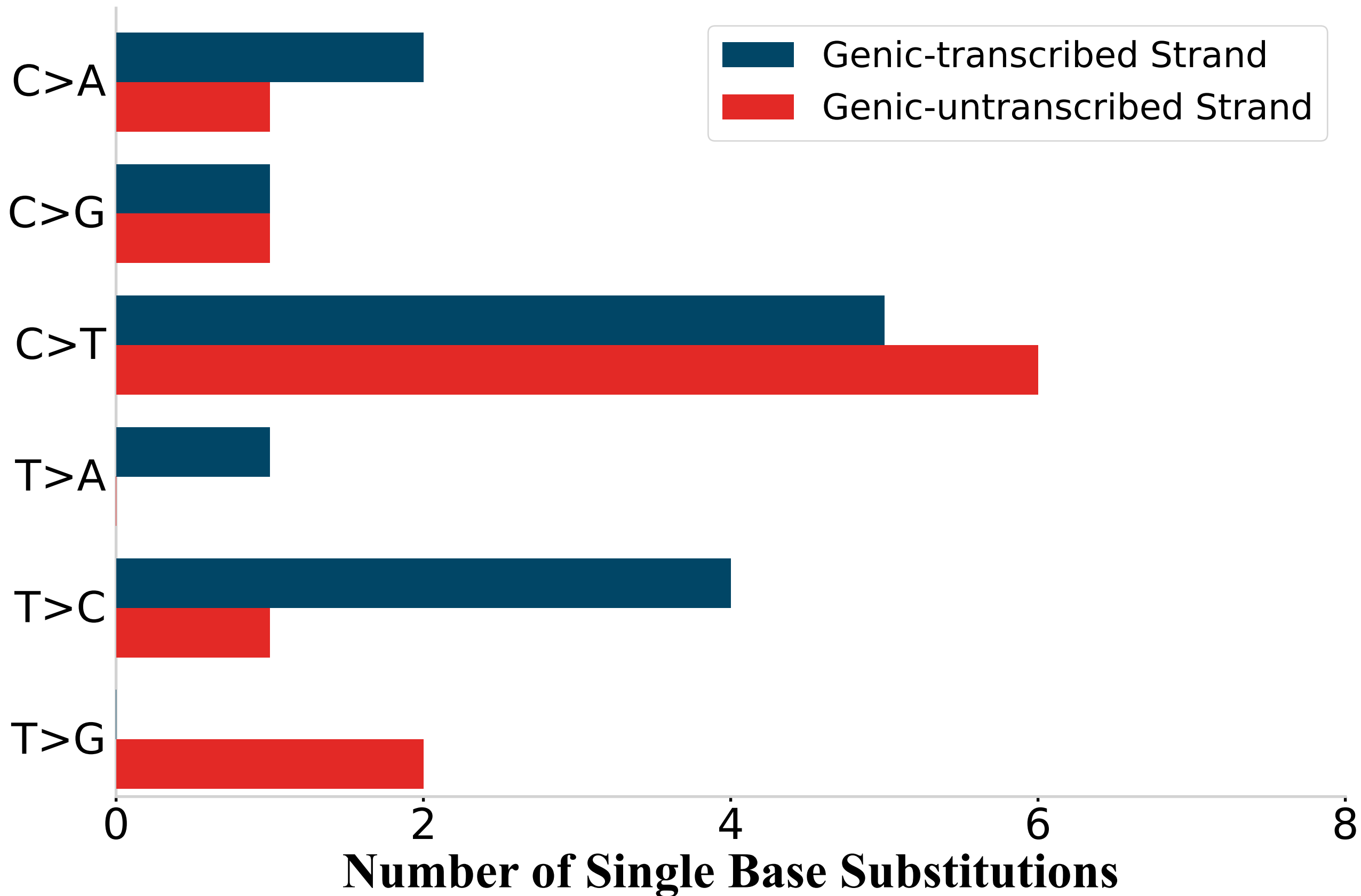
TCGA-DK-A6AV-01A-12D-A30E-08: 147 transcribed



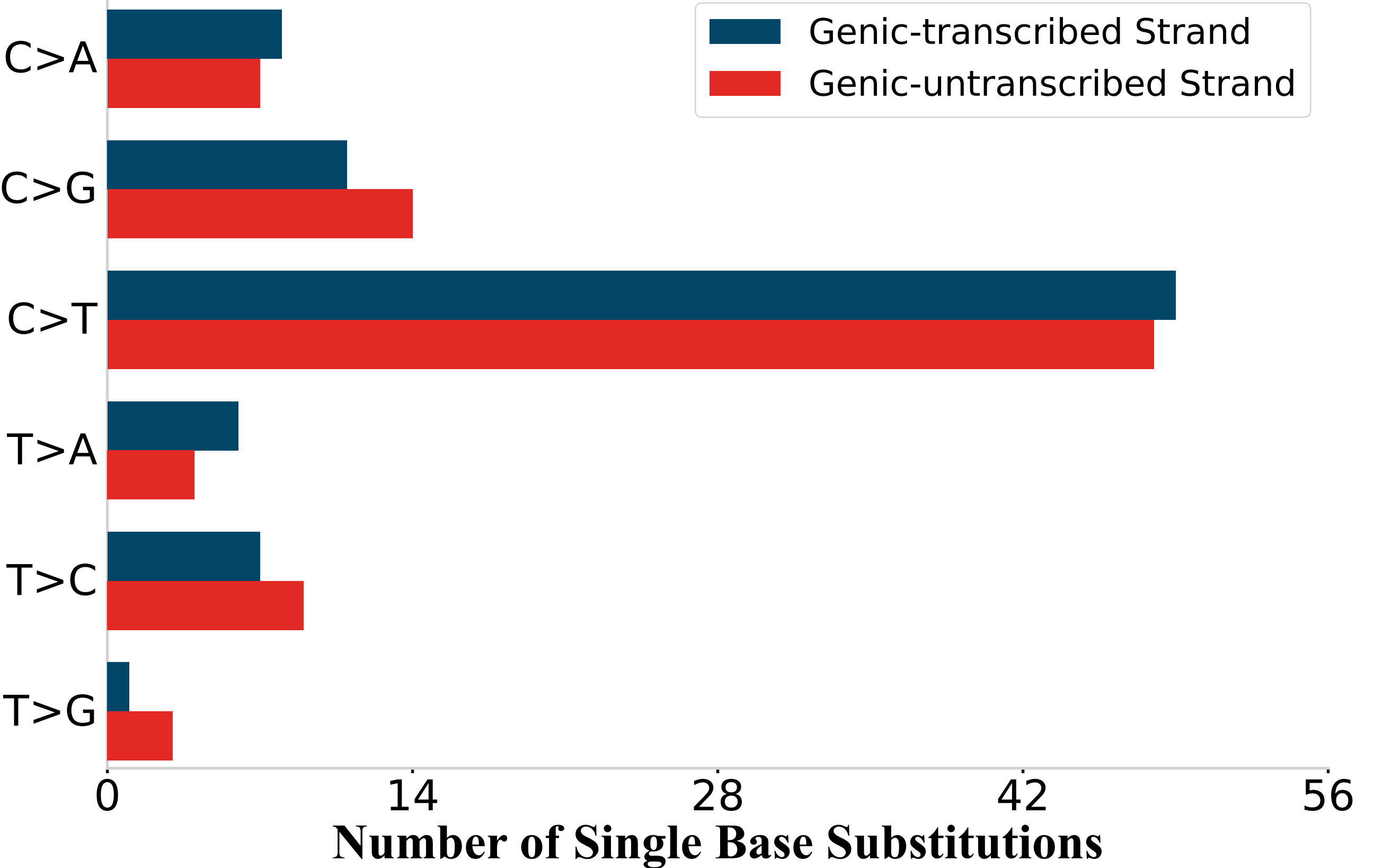
TCGA-DK-A6AW-01A-11D-A30E-08: 4,676 transcrip



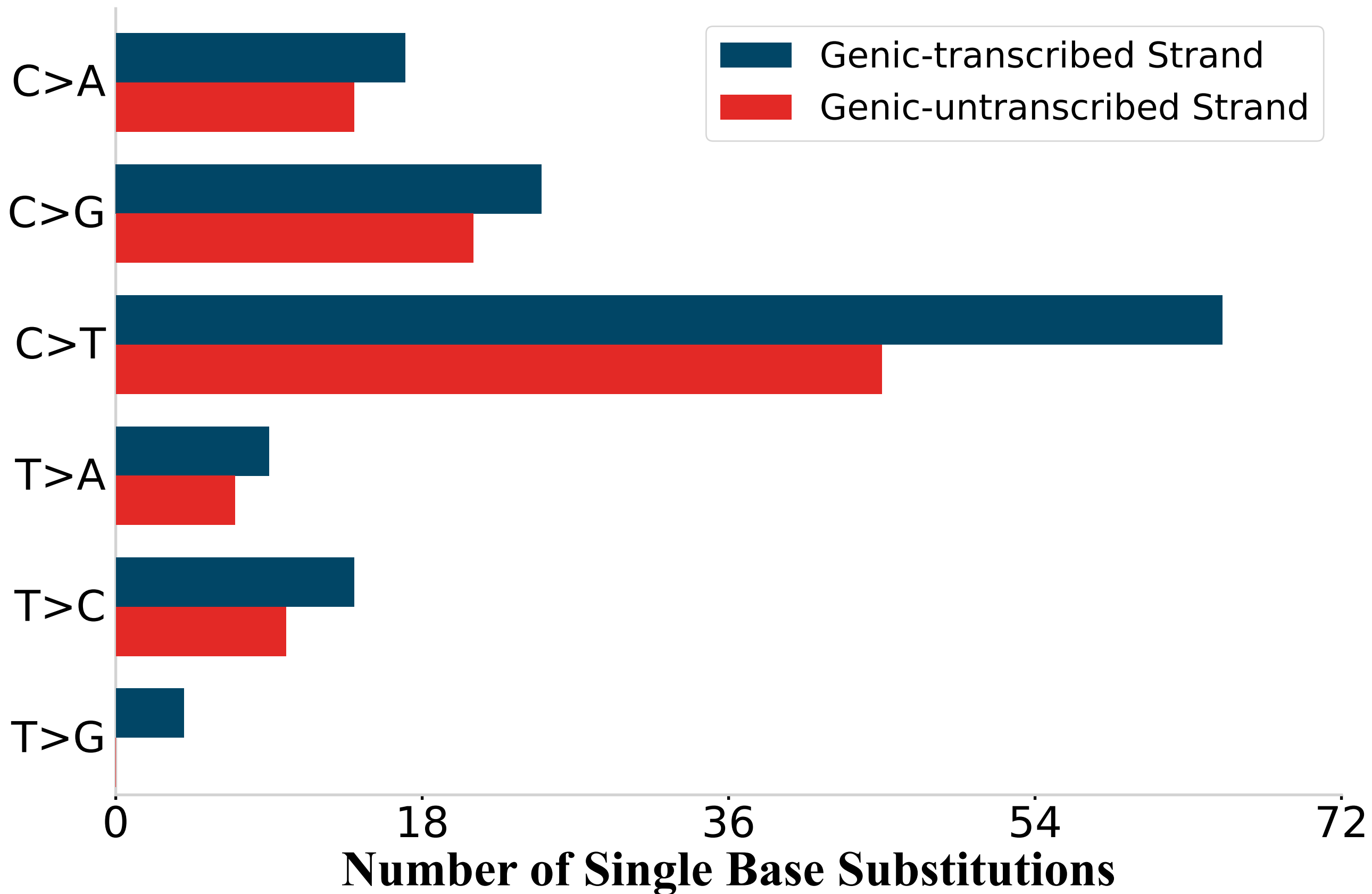
TCGA-DK-A6B0-01A-11D-A31L-08: 24 transcribed



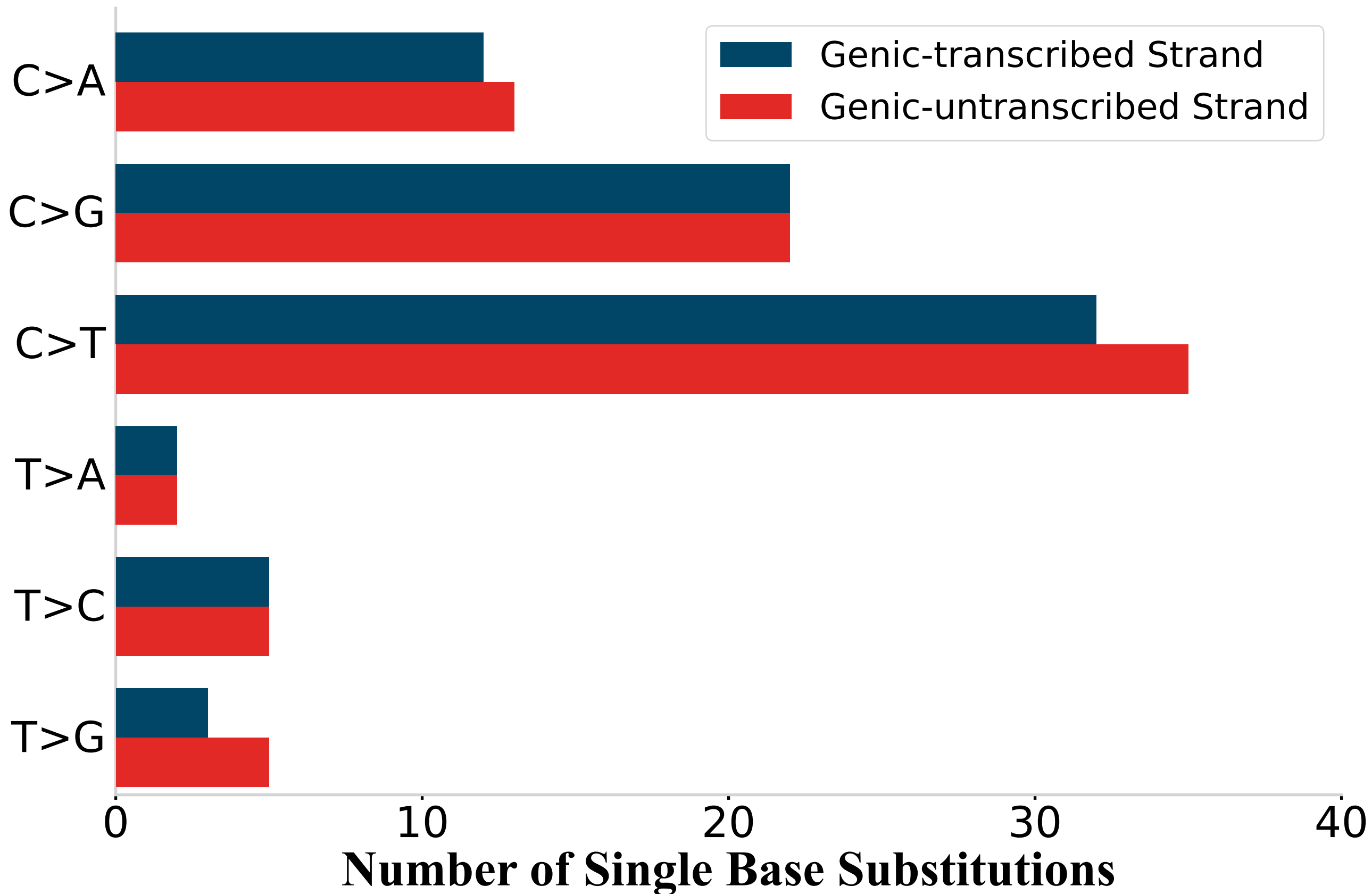
TCGA-DK-A6B1-01A-12D-A30E-08: 167 transcribed



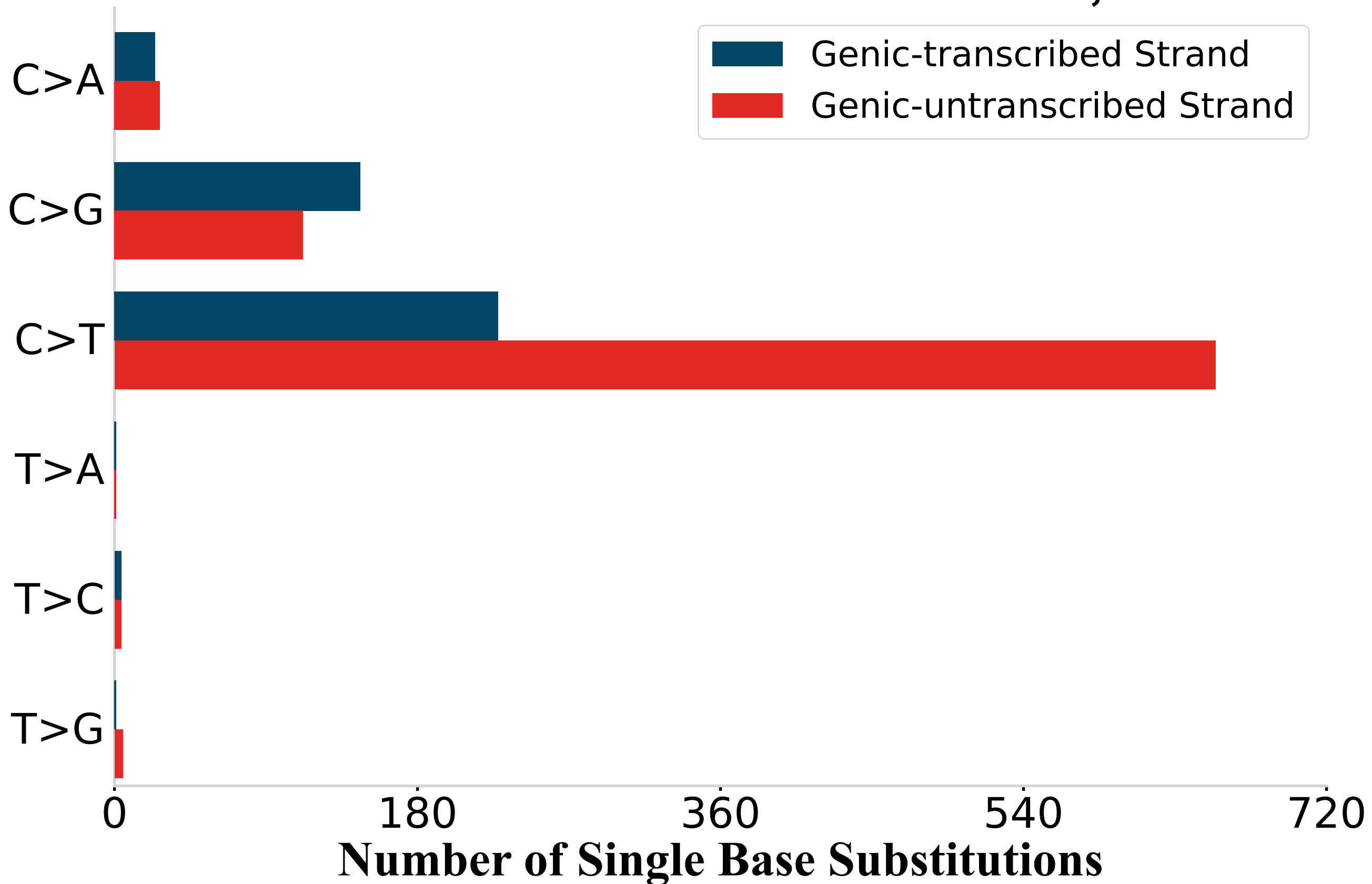
TCGA-DK-A6B2-01A-11D-A30E-08: 231 transcribed



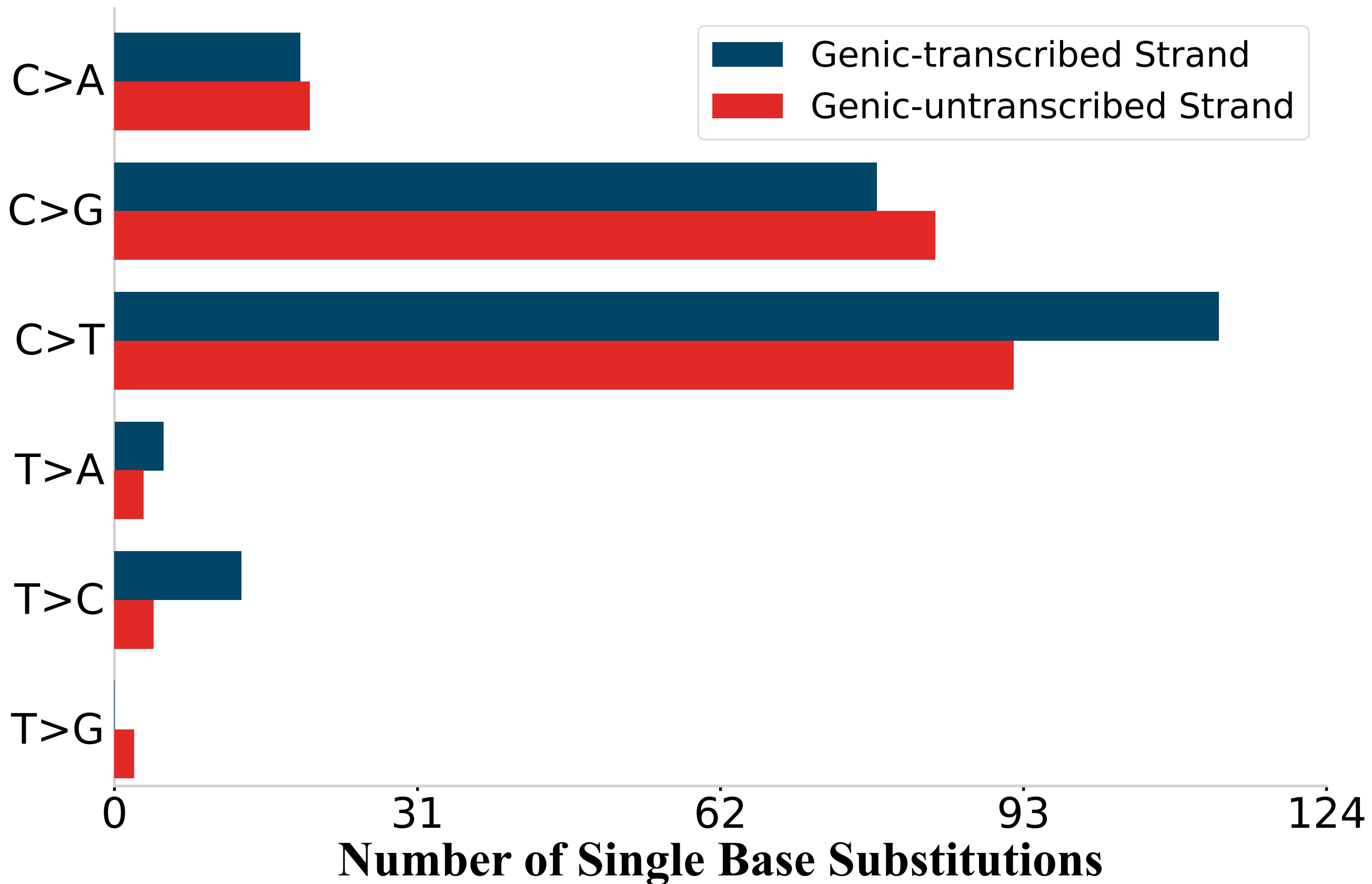
TCGA-DK-A6B5-01A-11D-A31L-08: 158 transcribed



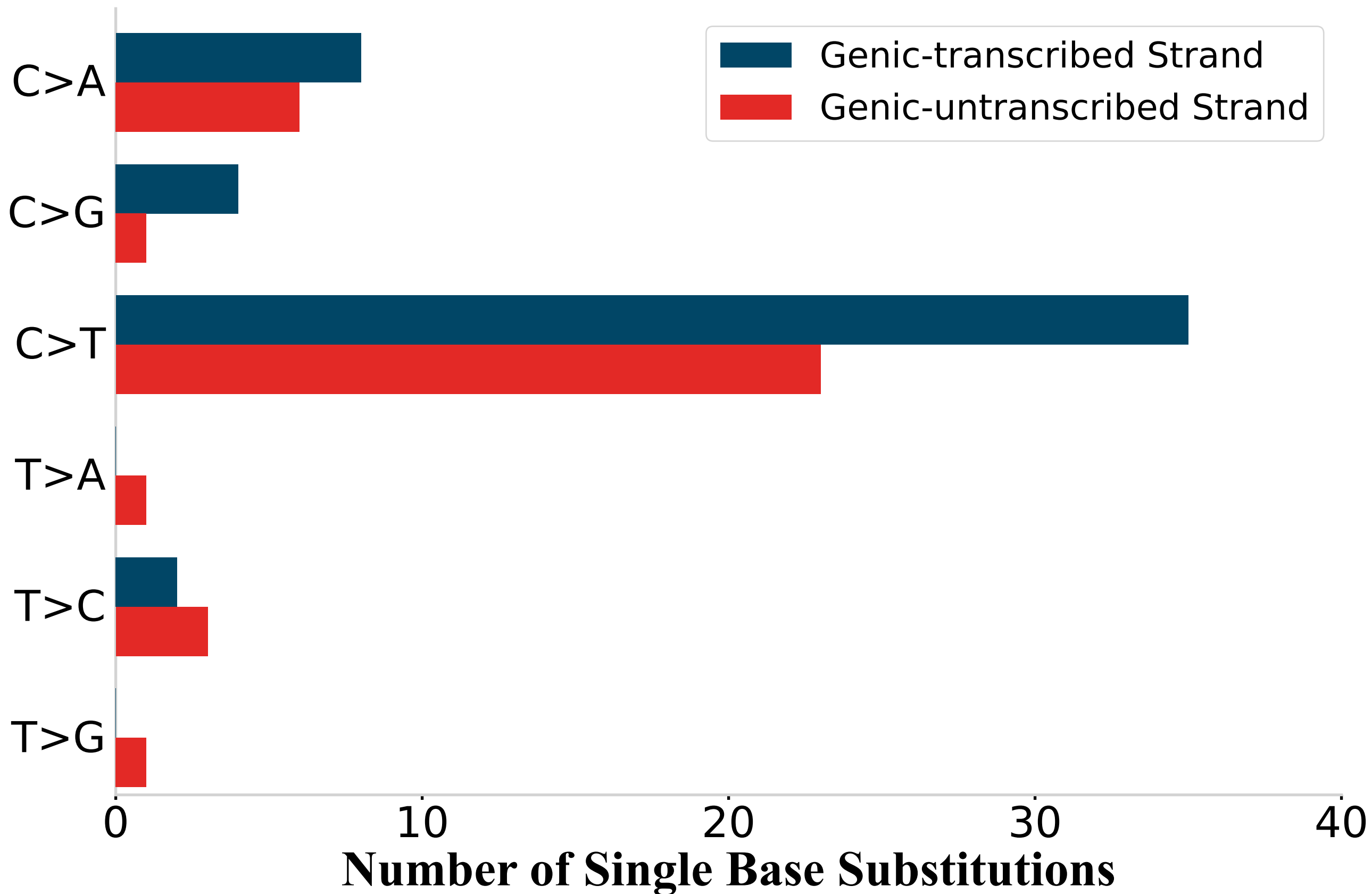
TCGA-DK-A6B6-01A-11D-A30E-08: 1,207 transcrib



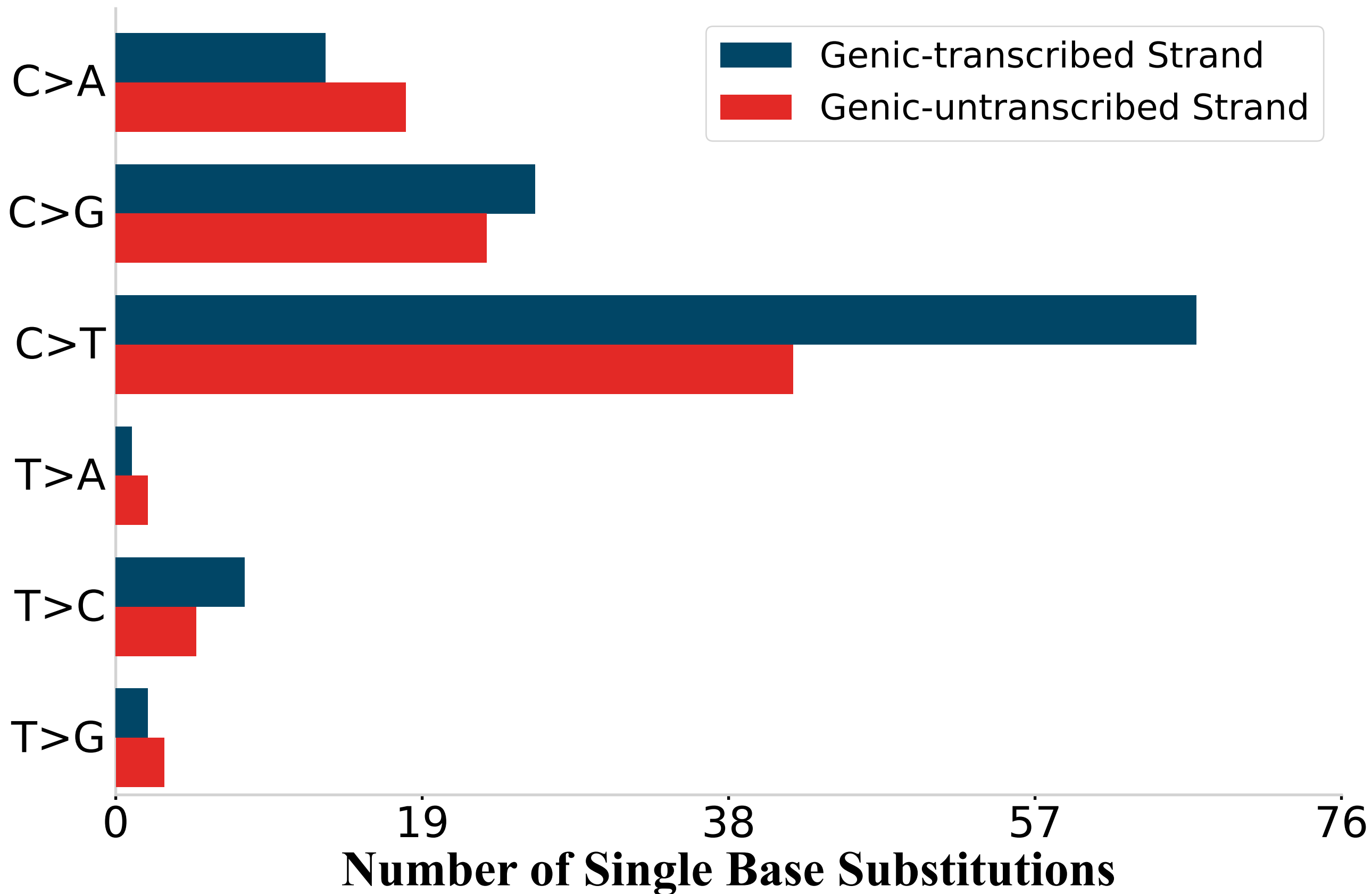
TCGA-DK-AA6L-01A-11D-A391-08: 433 transcribed



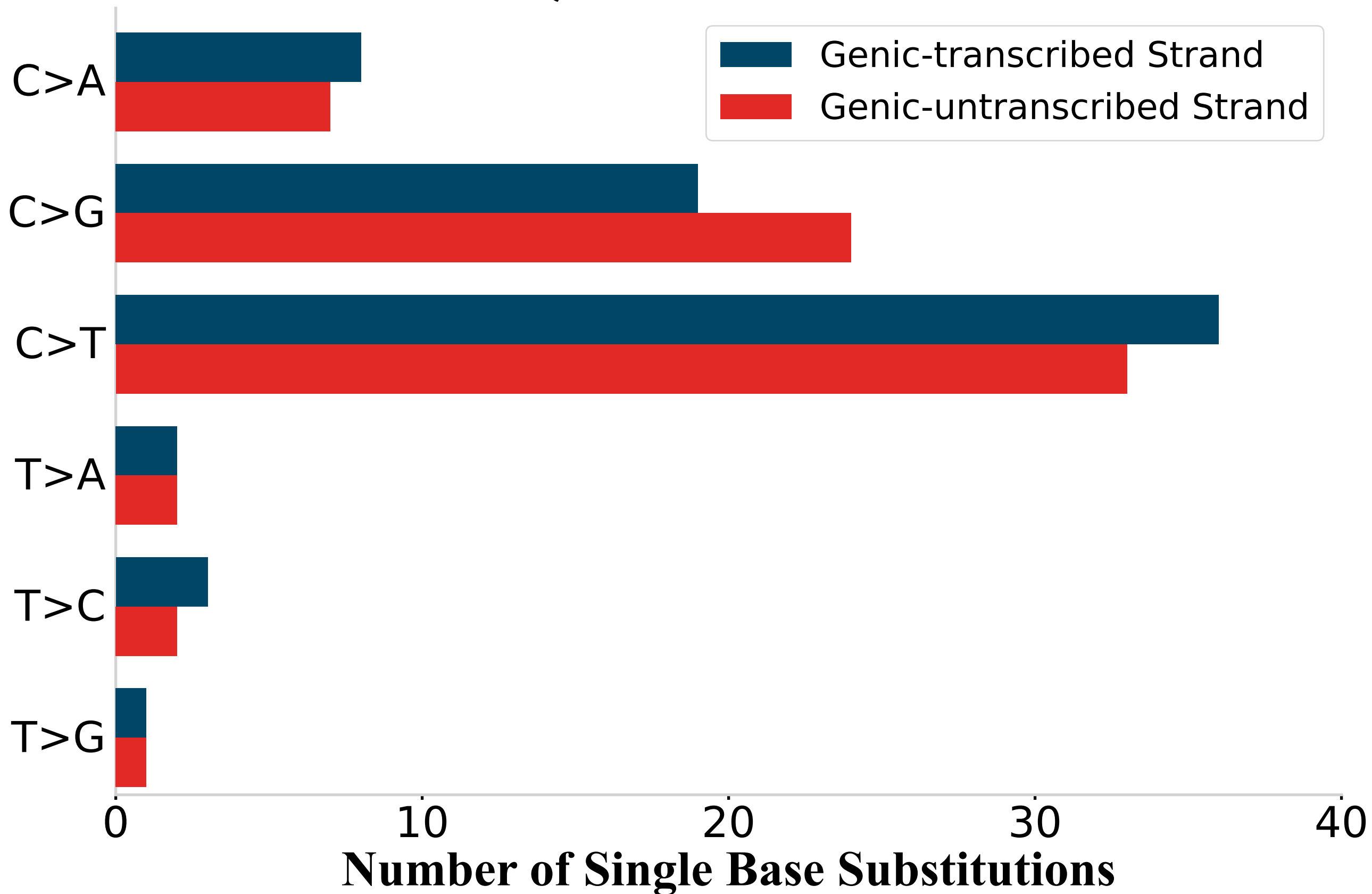
TCGA-DK-AA6M-01A-11D-A391-08: 84 transcribed



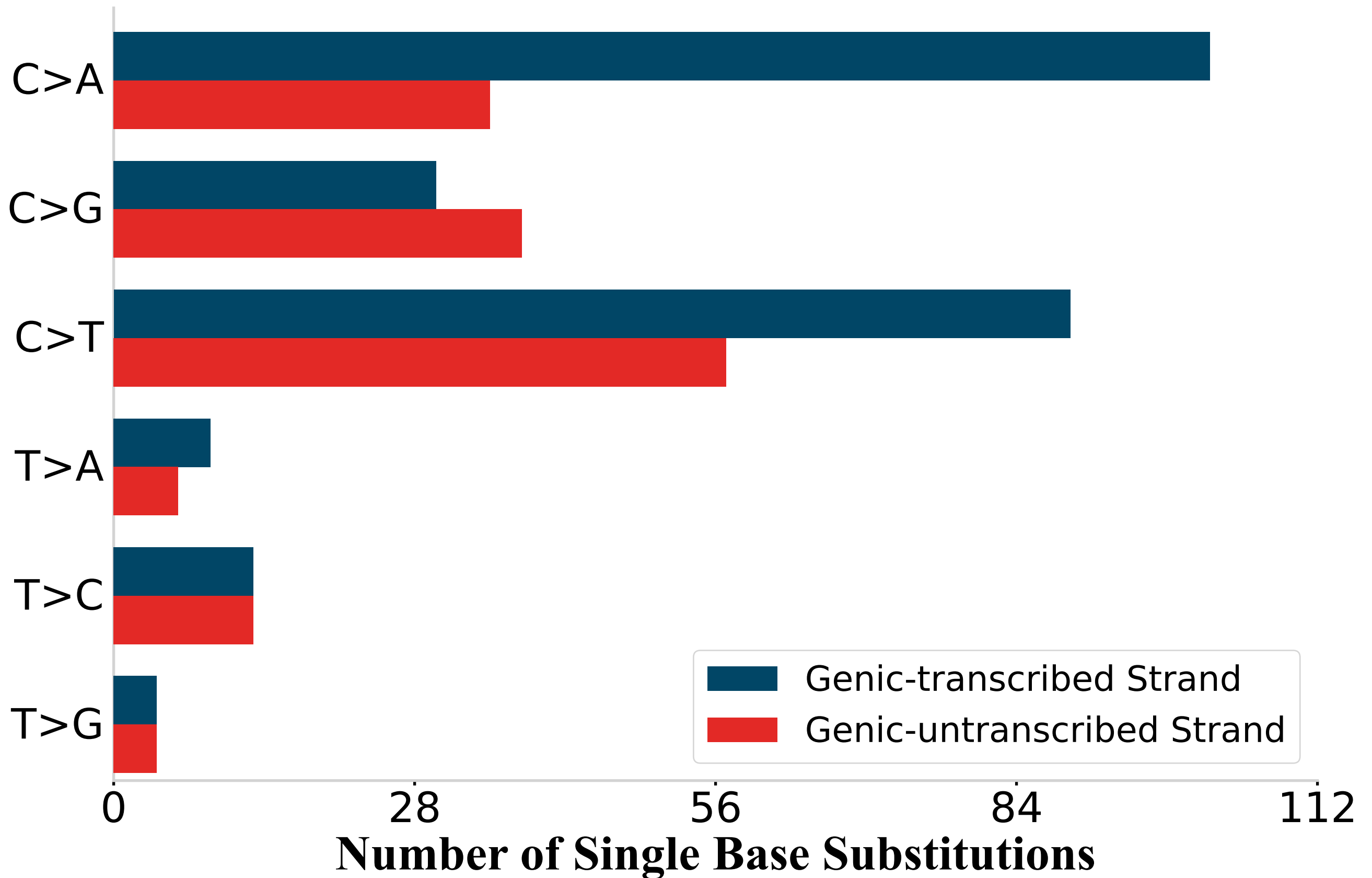
TCGA-DK-AA6P-01A-11D-A391-08: 210 transcribed



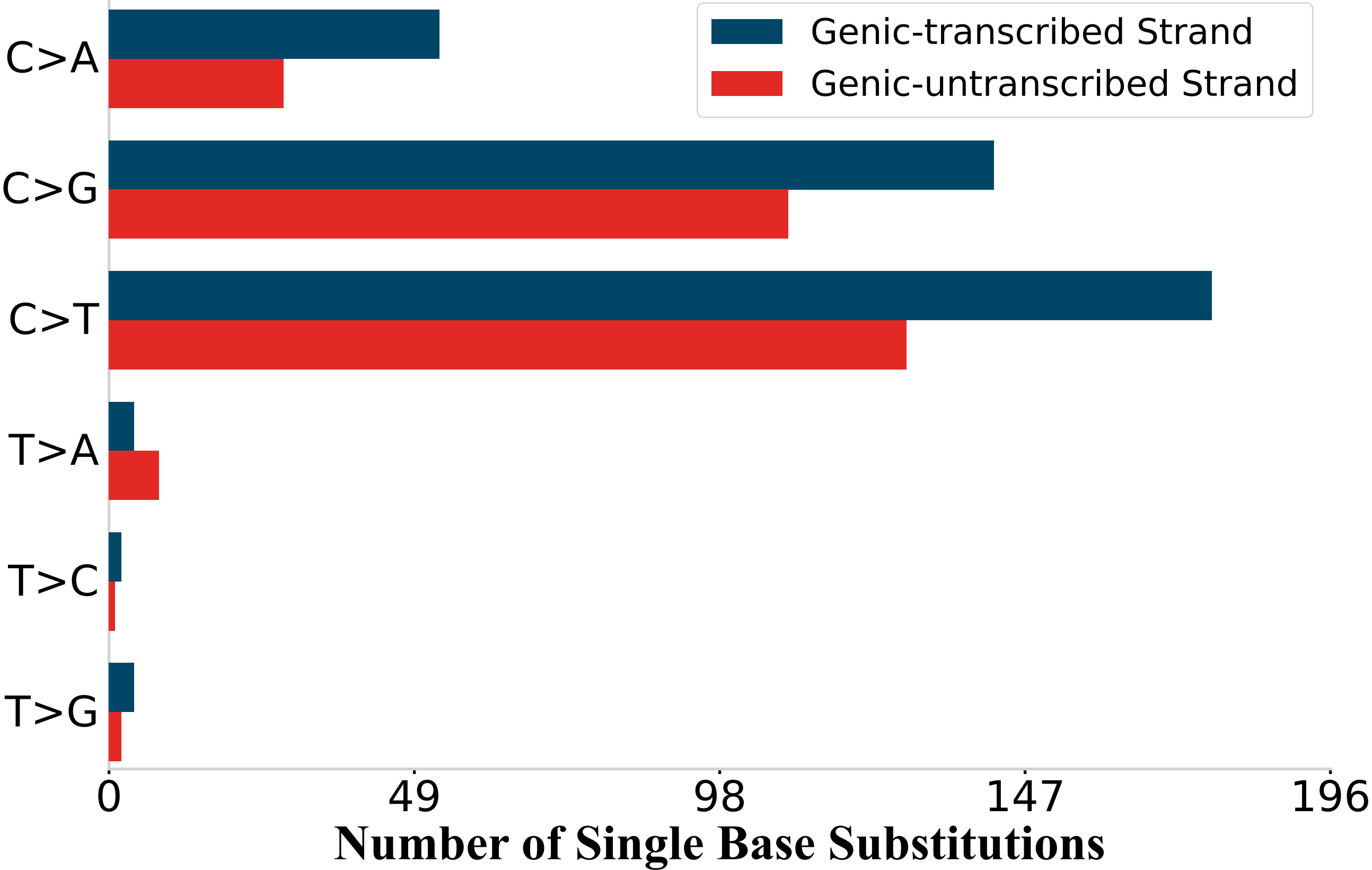
TCGA-DK-AA6Q-01A-11D-A391-08: 138 transcribed



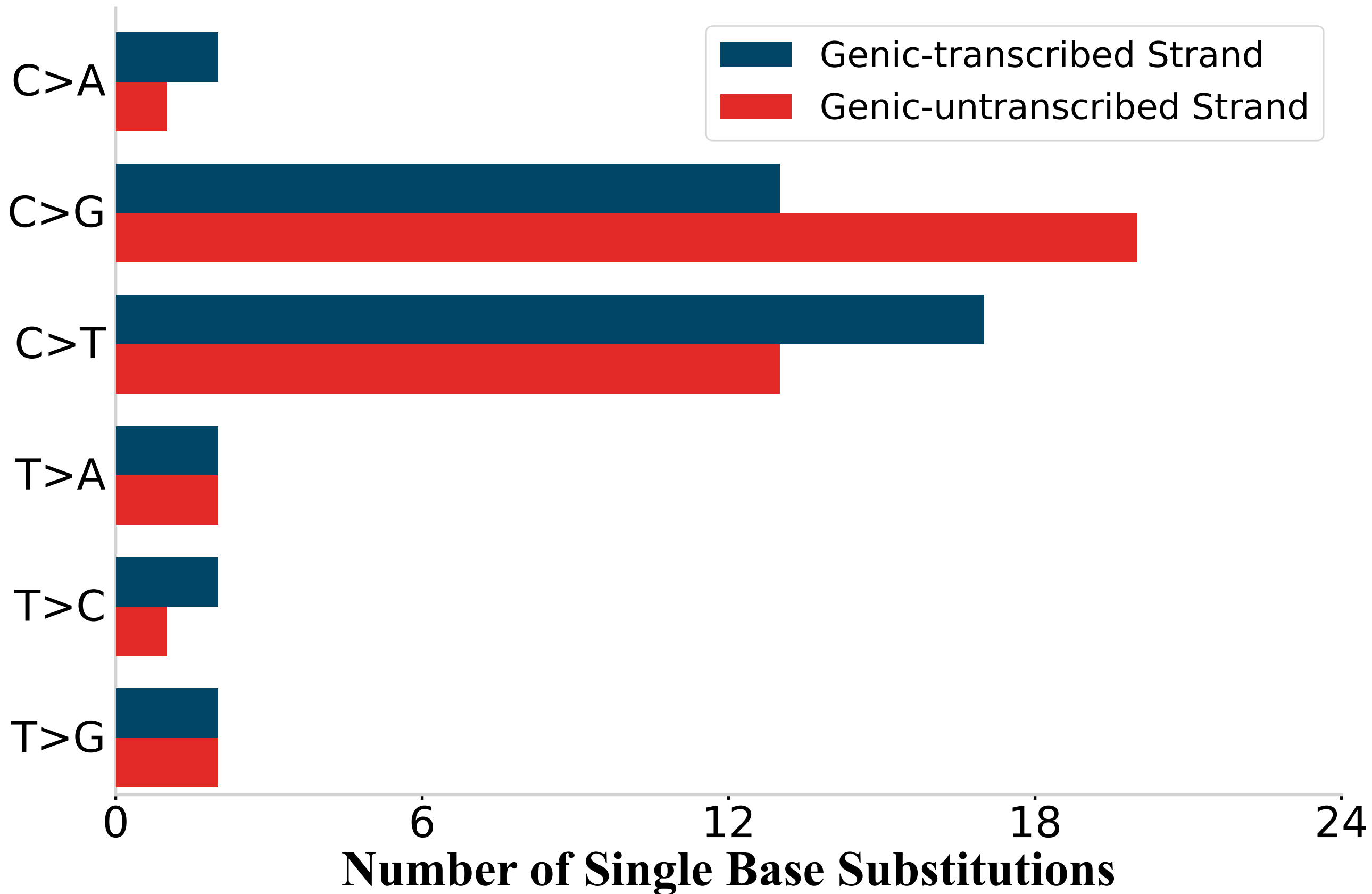
TCGA-DK-AA6R-01A-11D-A42E-08: 400 transcribe



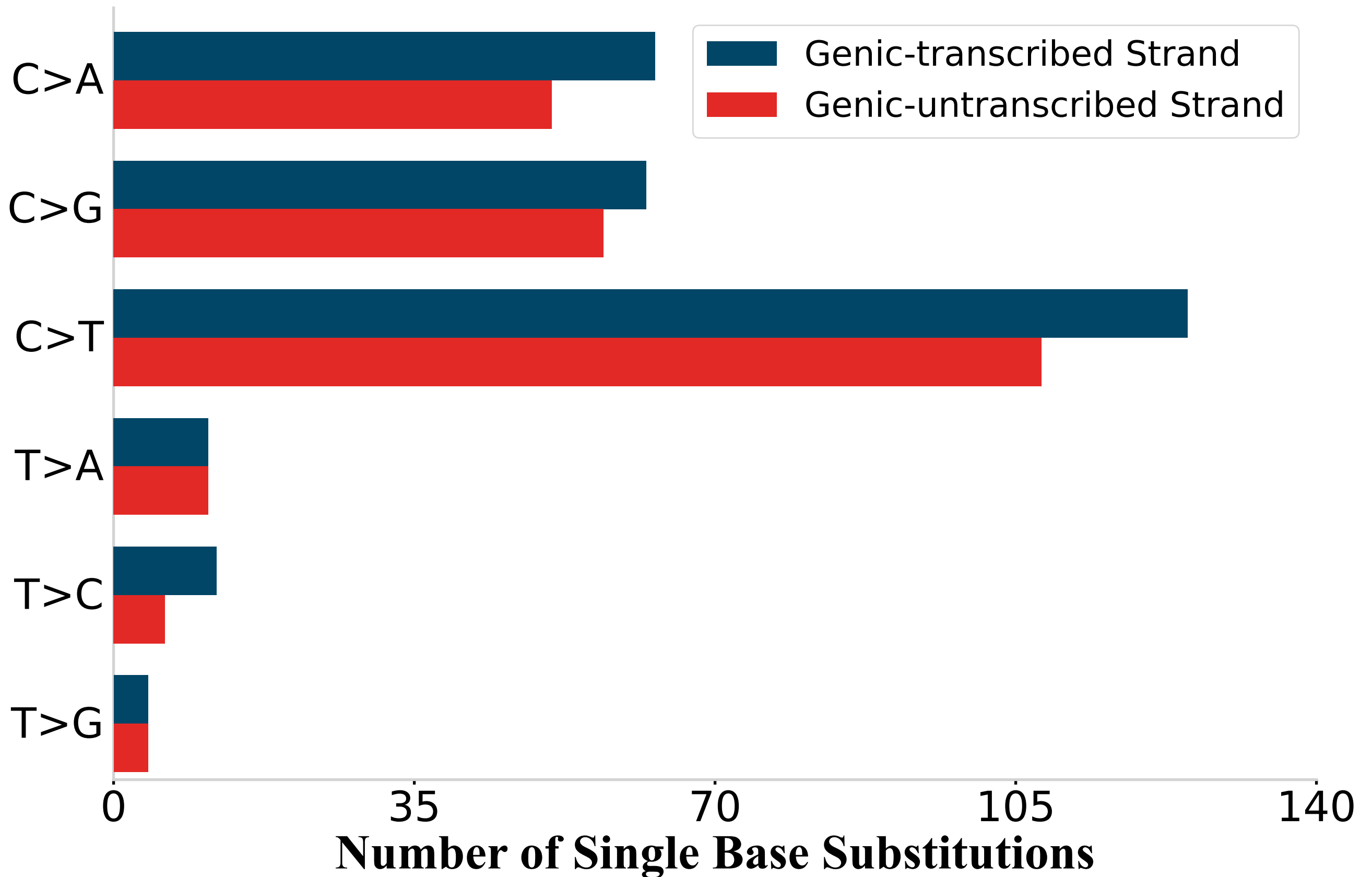
TCGA-DK-AA6S-01A-21D-A391-08: 658 transcribed



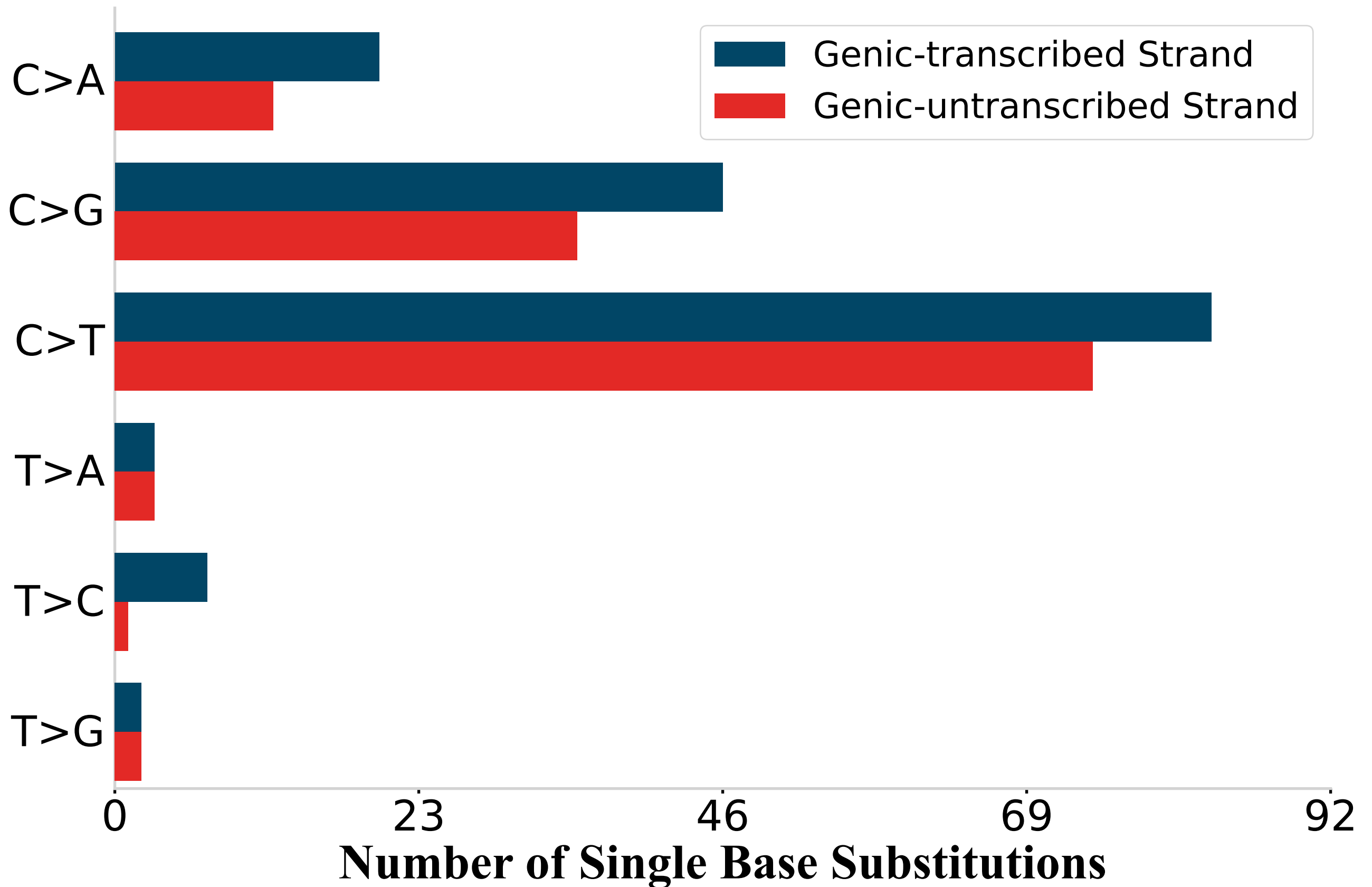
TCGA-DK-AA6T-01A-11D-A391-08: 77 transcribed



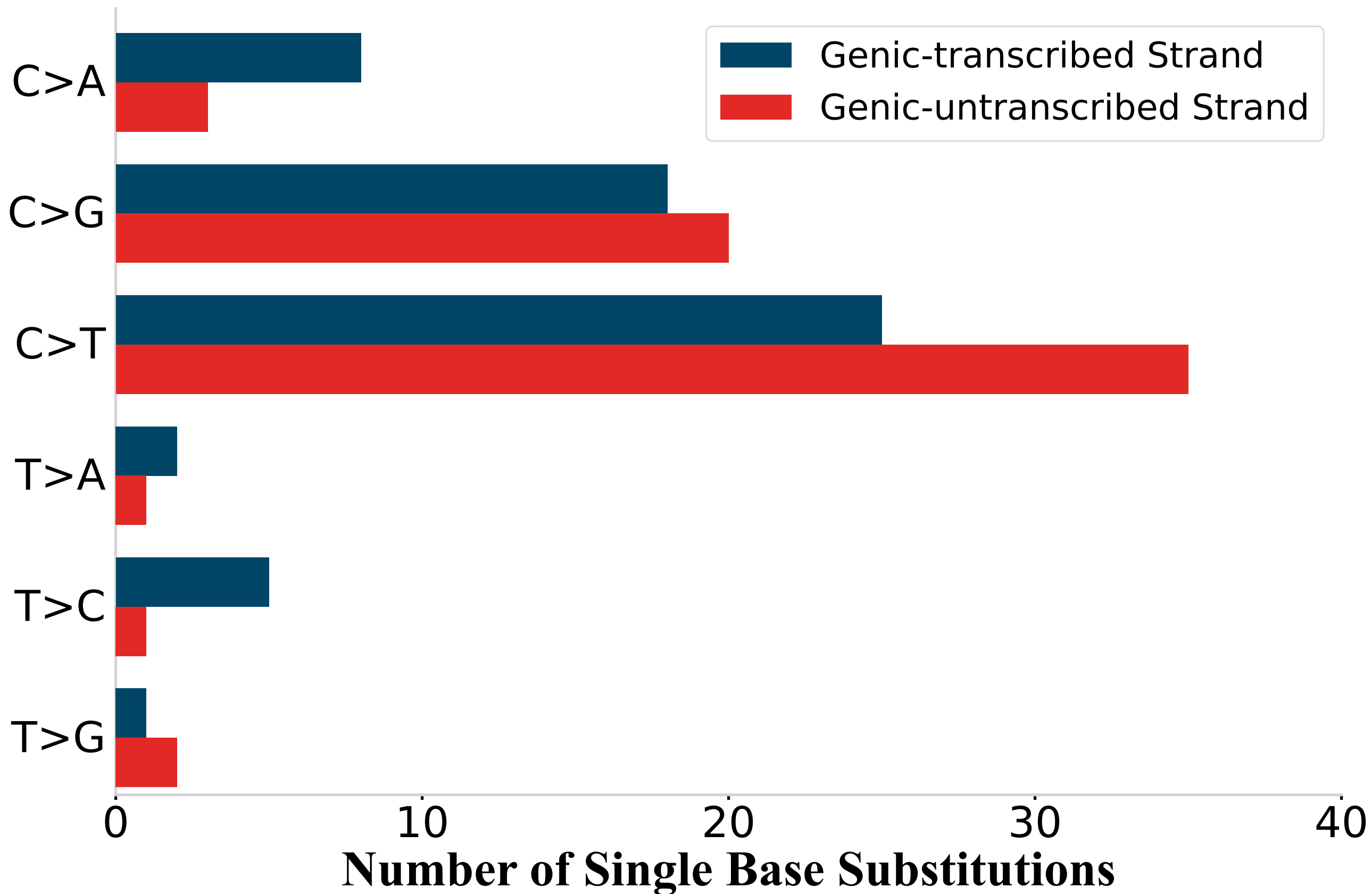
TCGA-DK-AA6U-01A-11D-A391-08: 514 transcribed



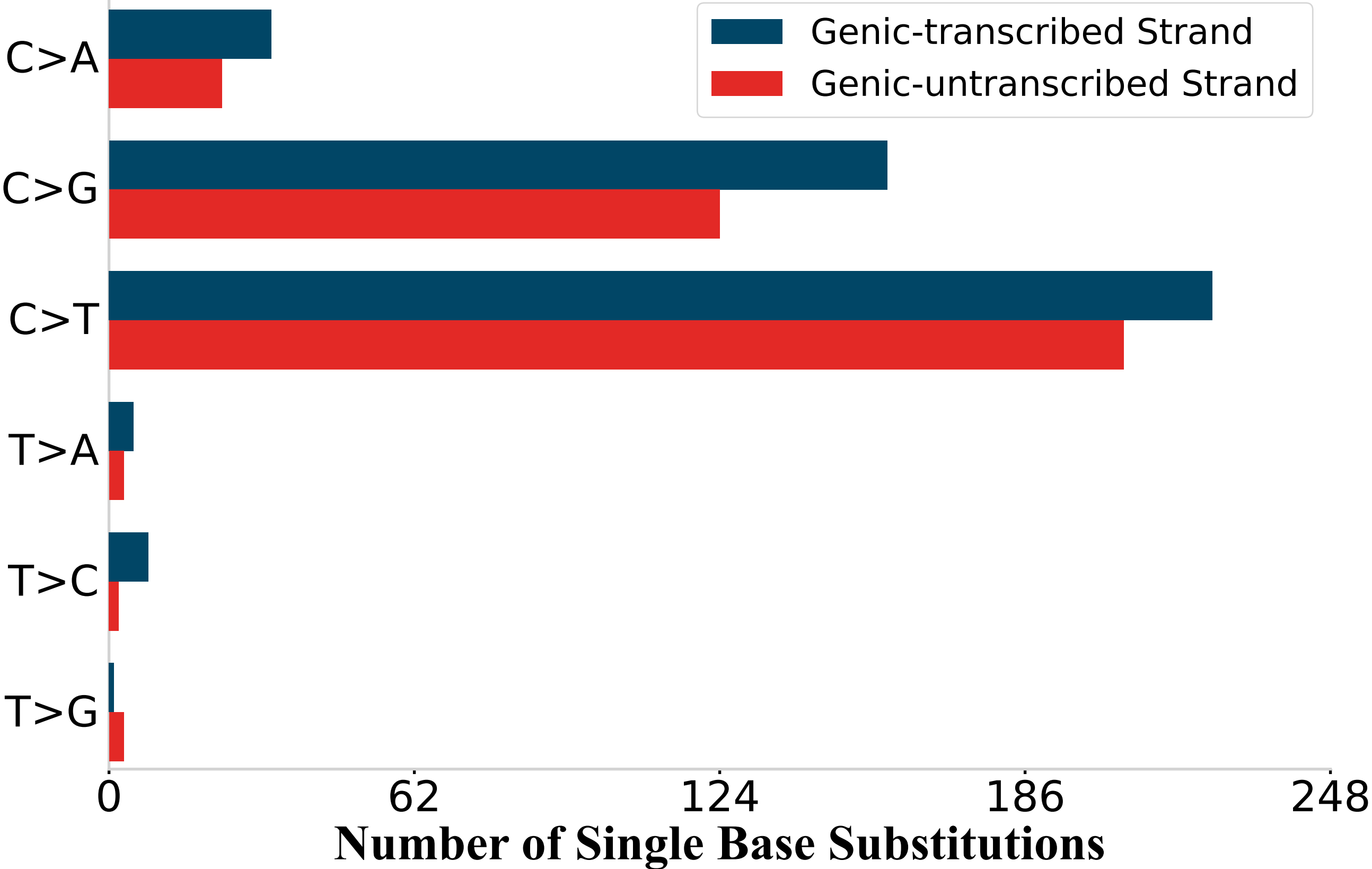
TCGA-DK-AA6W-01A-12D-A391-08: 288 transcribed



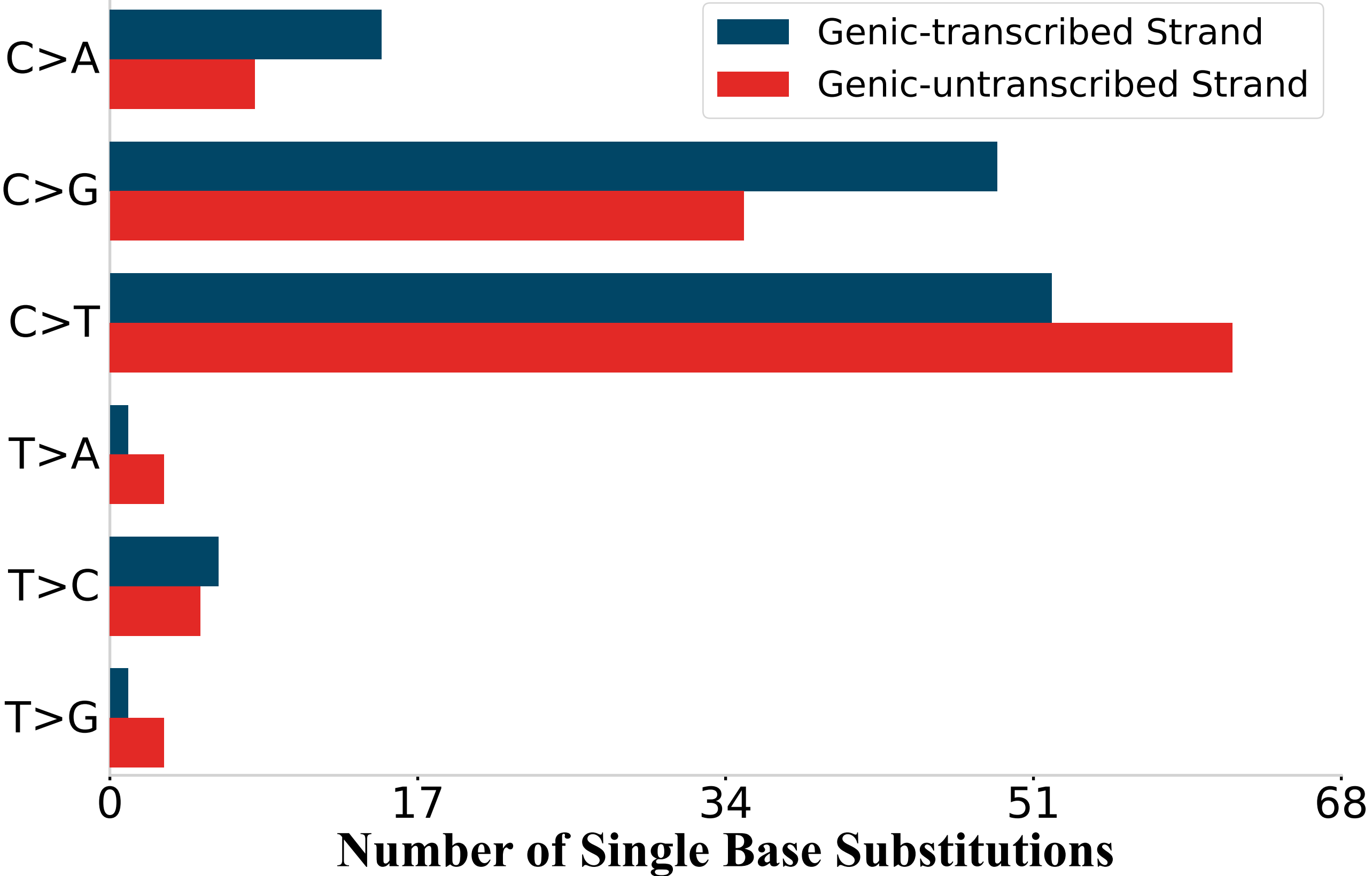
TCGA-DK-AA6X-01A-12D-A42E-08: 121 transcribe



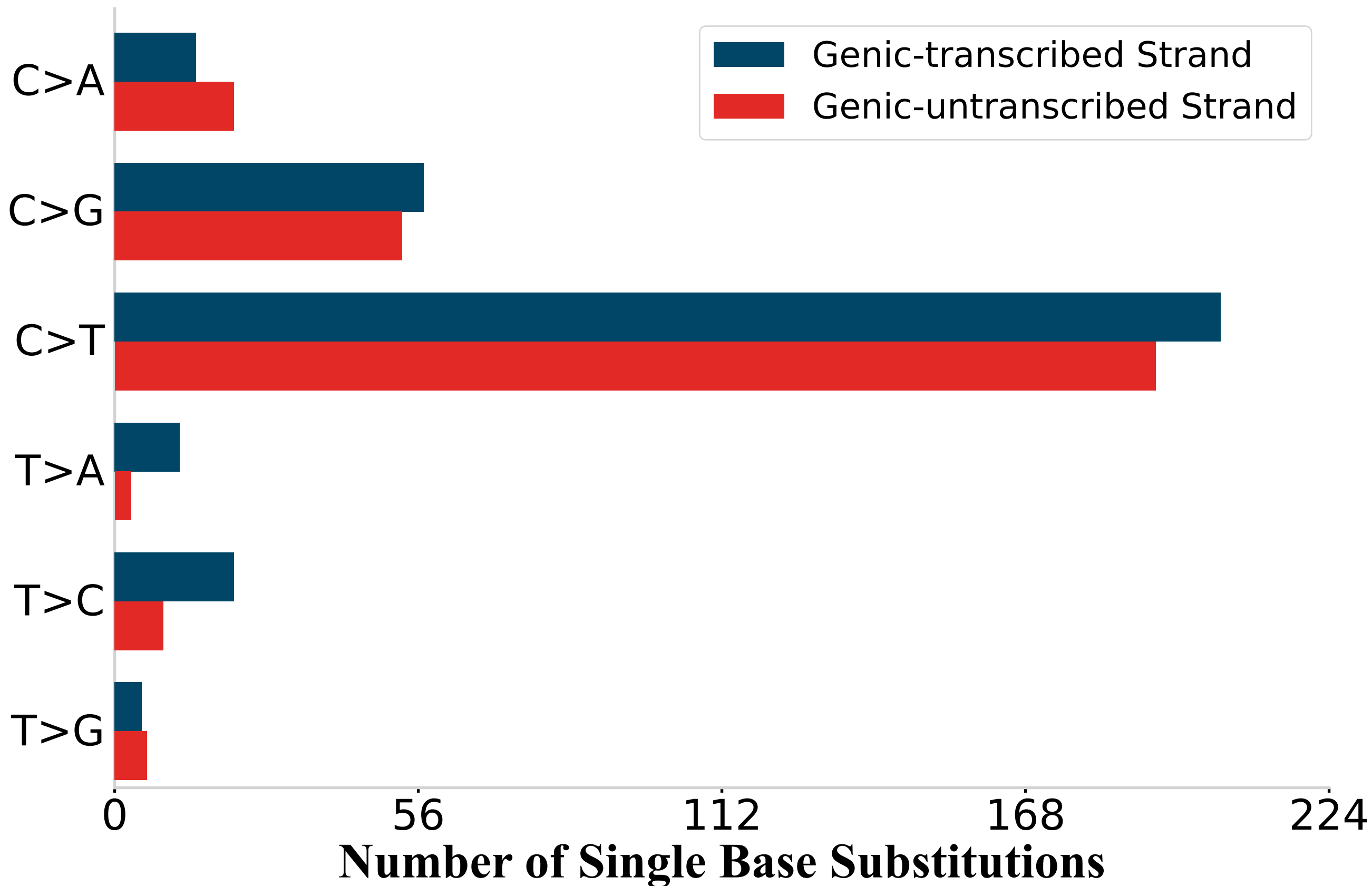
TCGA-DK-AA71-01A-31D-A391-08: 790 transcribed



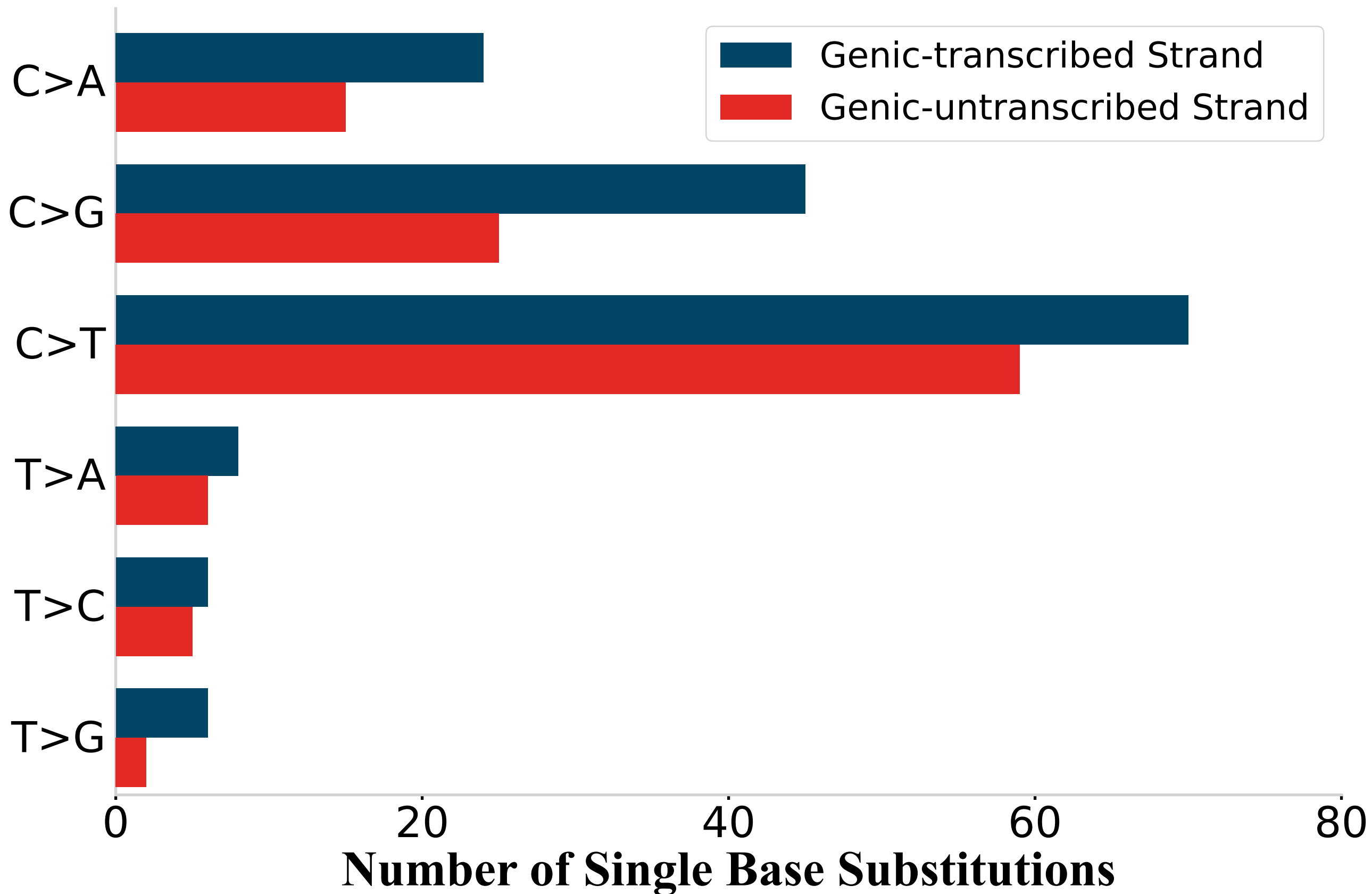
TCGA-DK-AA74-01A-11D-A391-08: 240 transcribed



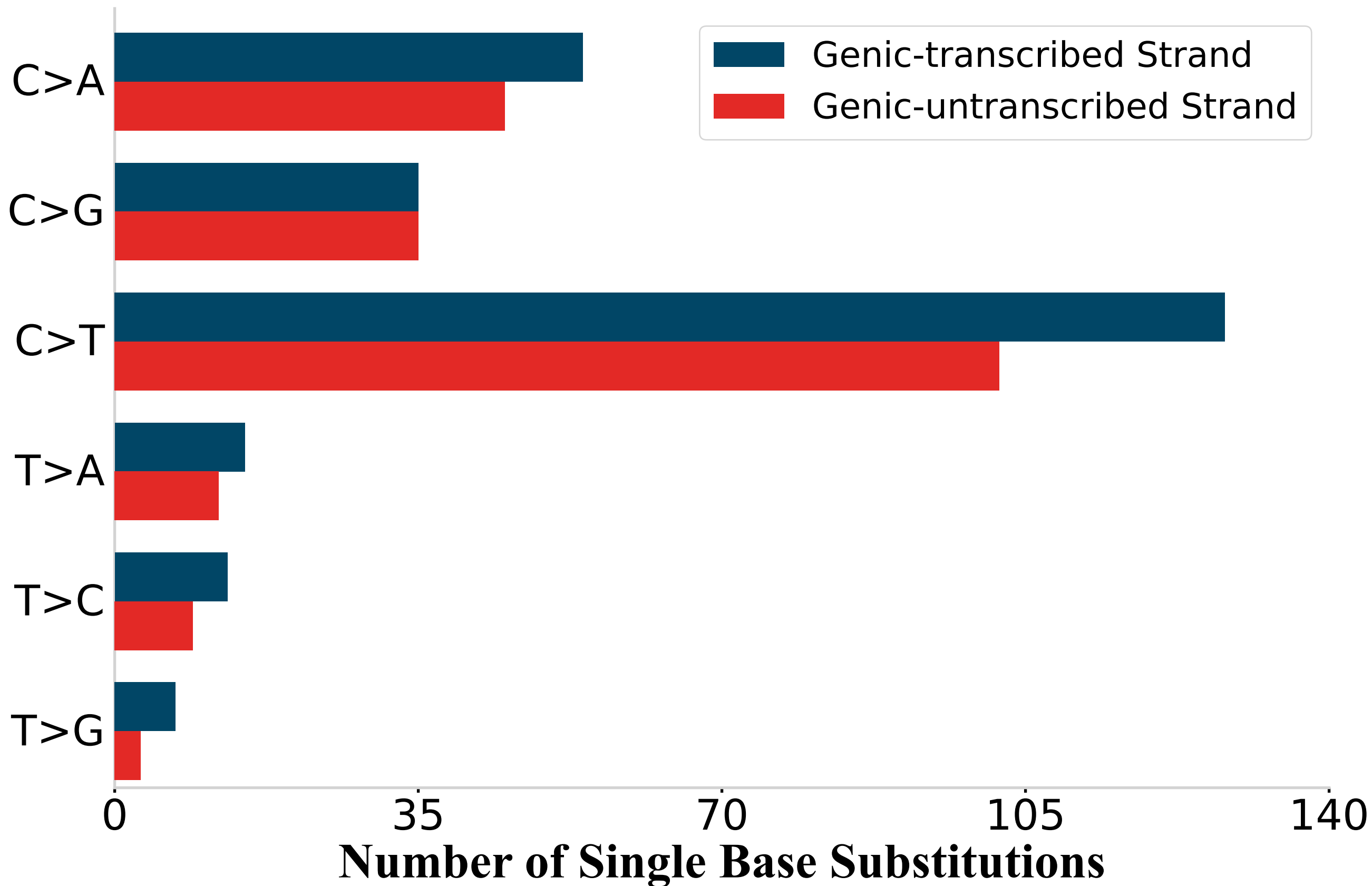
TCGA-DK-AA75-01A-11D-A391-08: 600 transcribed



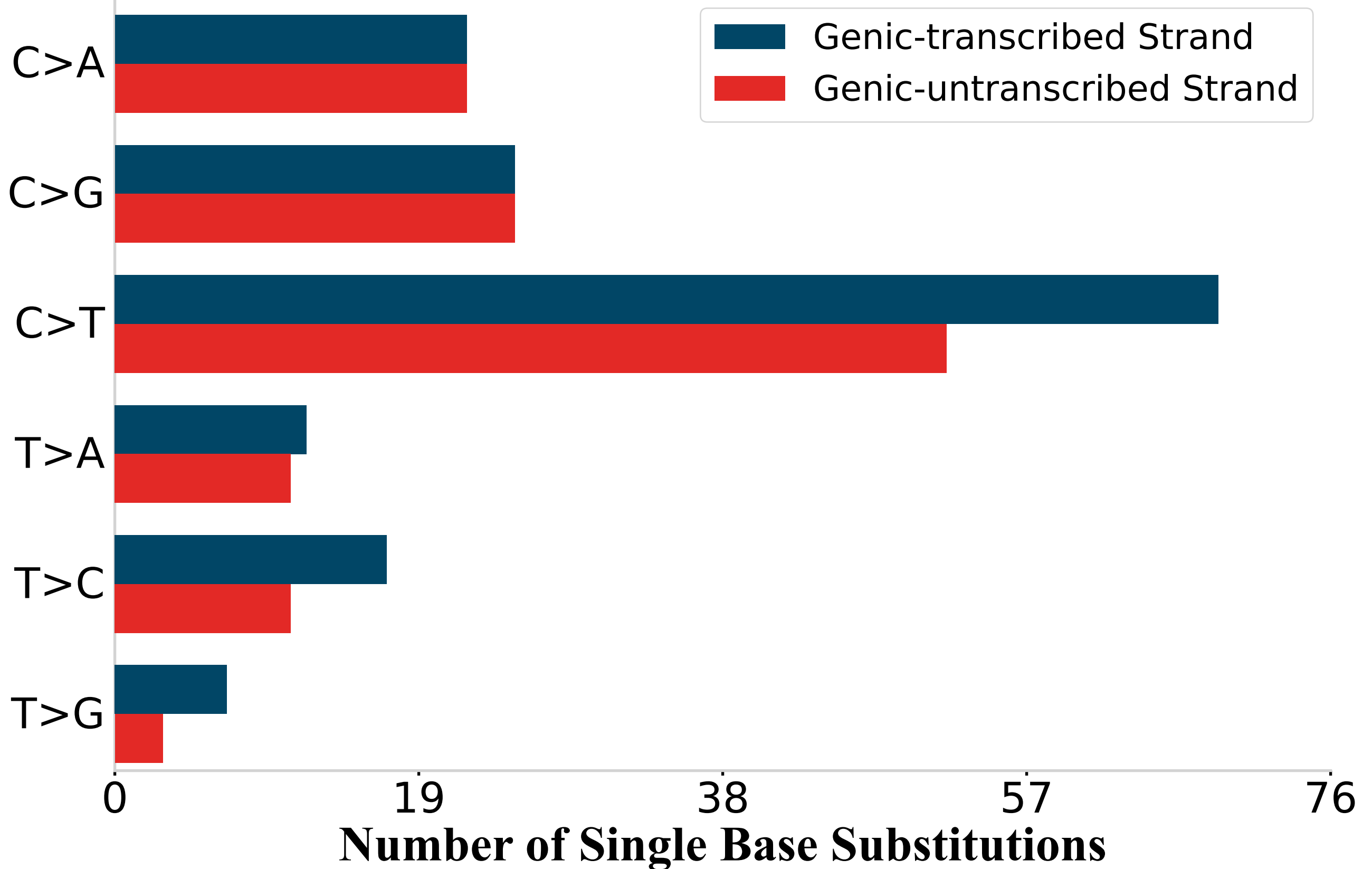
TCGA-DK-AA76-01A-11D-A391-08: 271 transcribed



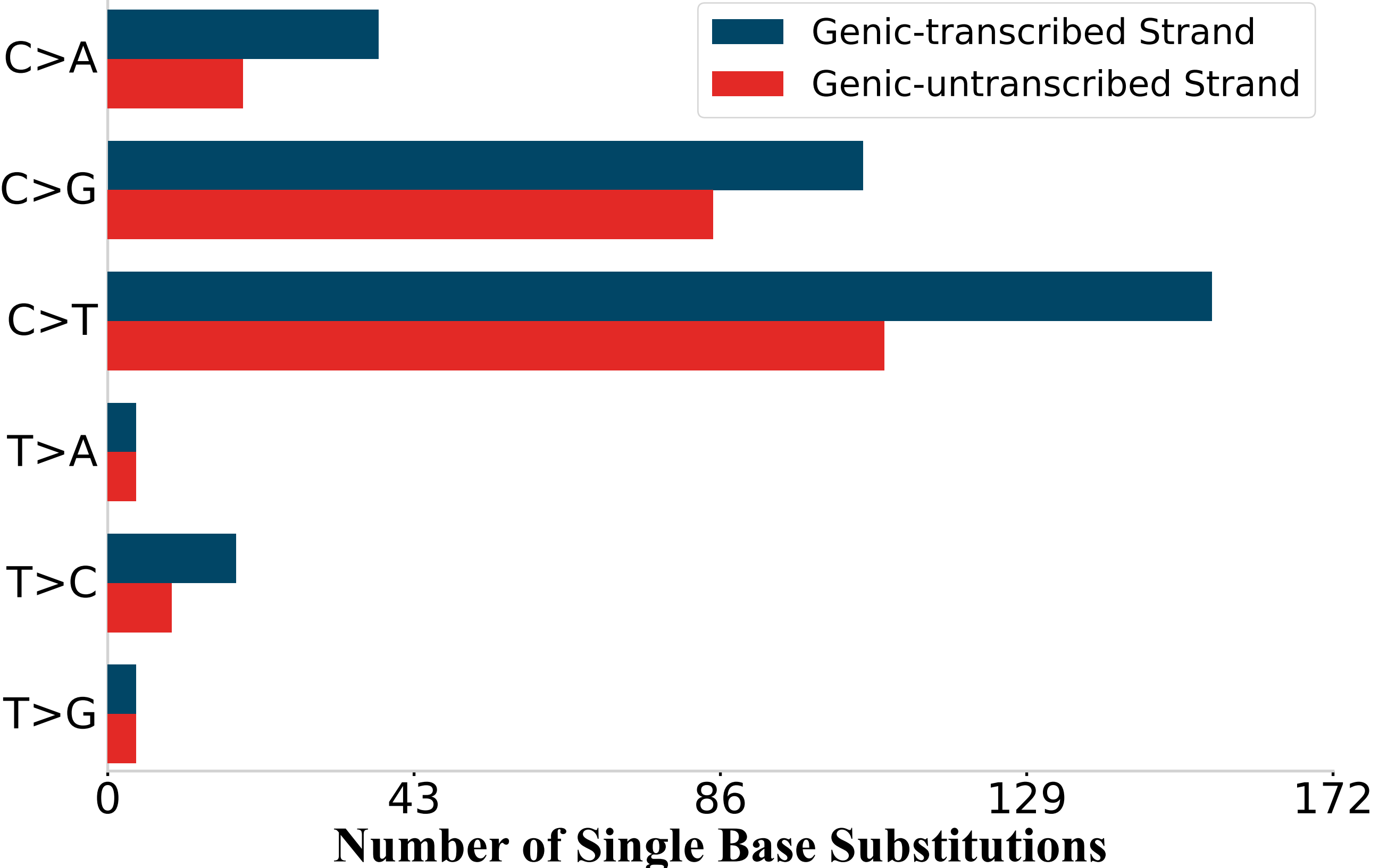
TCGA-DK-AA77-01A-11D-A391-08: 458 transcribed



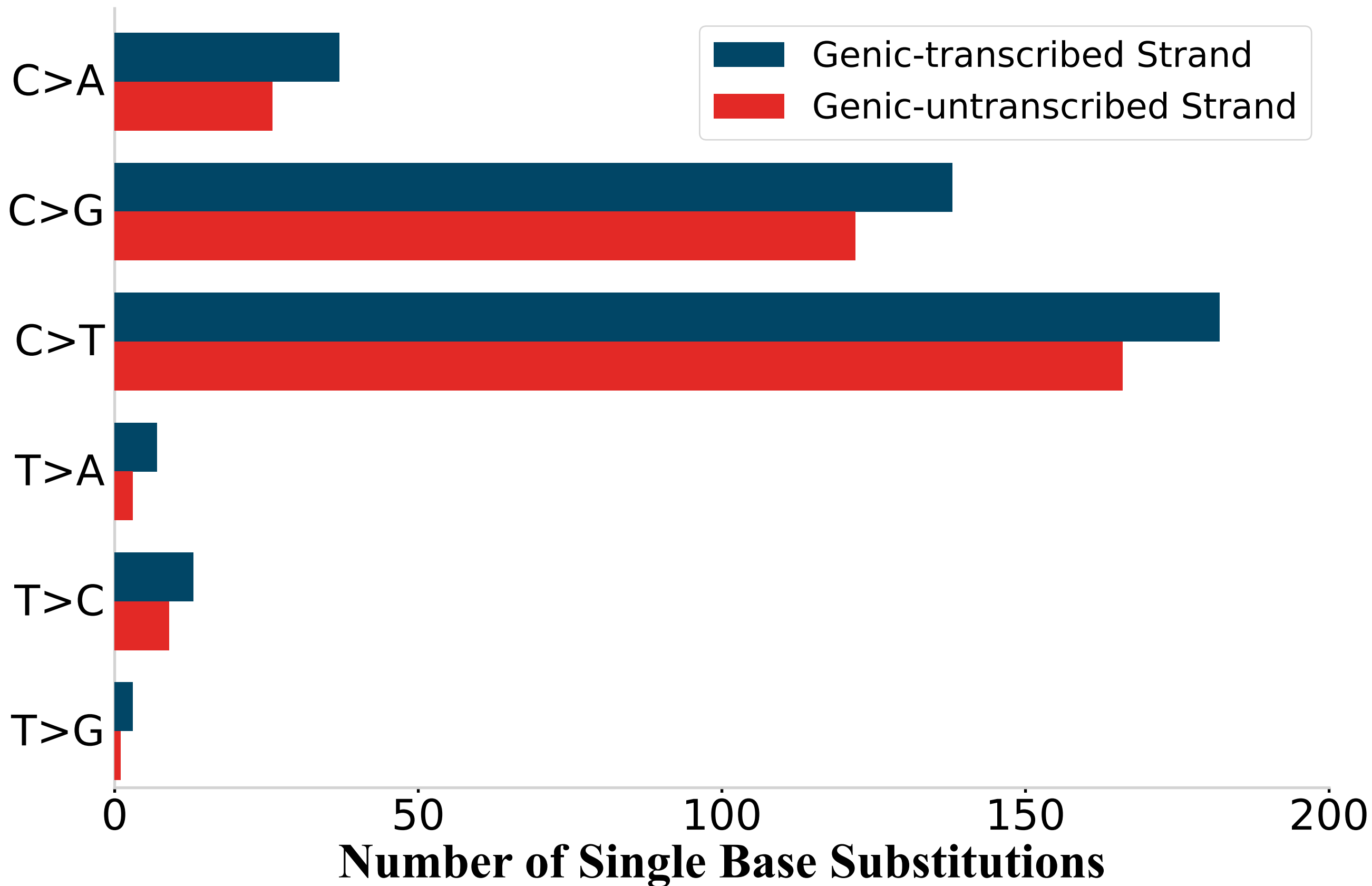
TCGA-E5-A2PC-01A-11D-A202-08: 276 transcribed



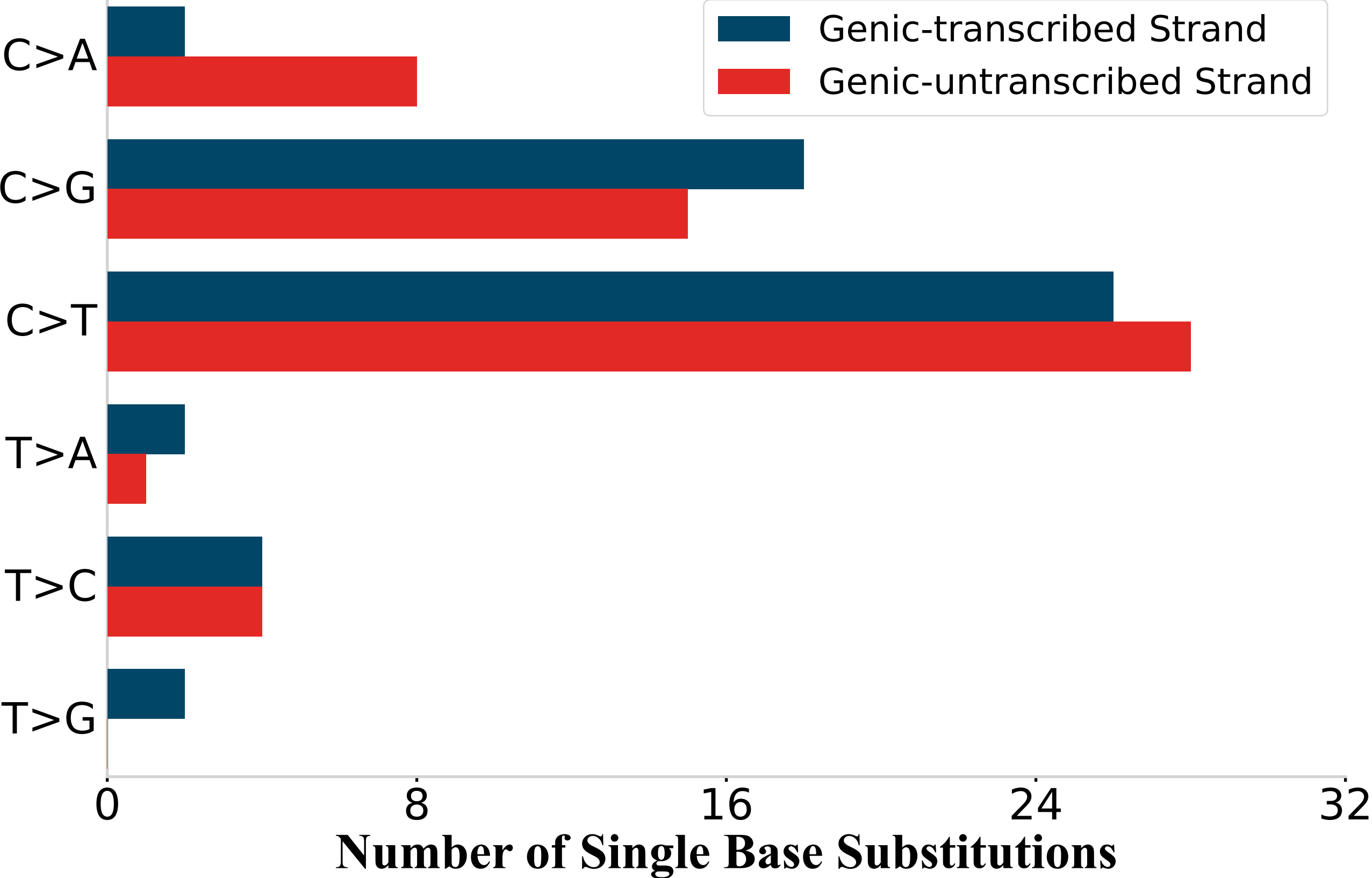
TCGA-E5-A4TZ-01A-11D-A31L-08: 555 transcribed



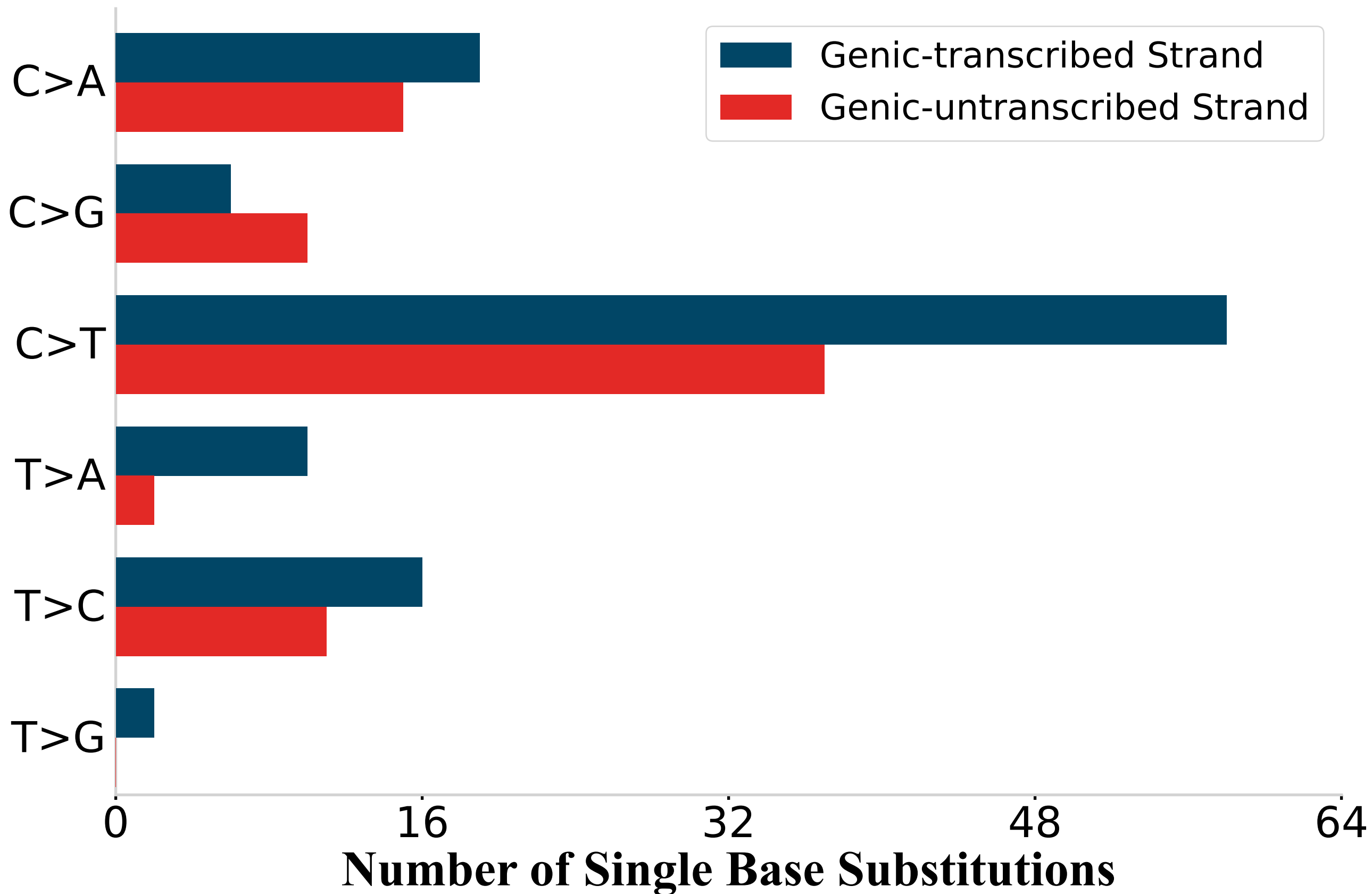
TCGA-E5-A4U1-01A-11D-A31L-08: 707 transcribed



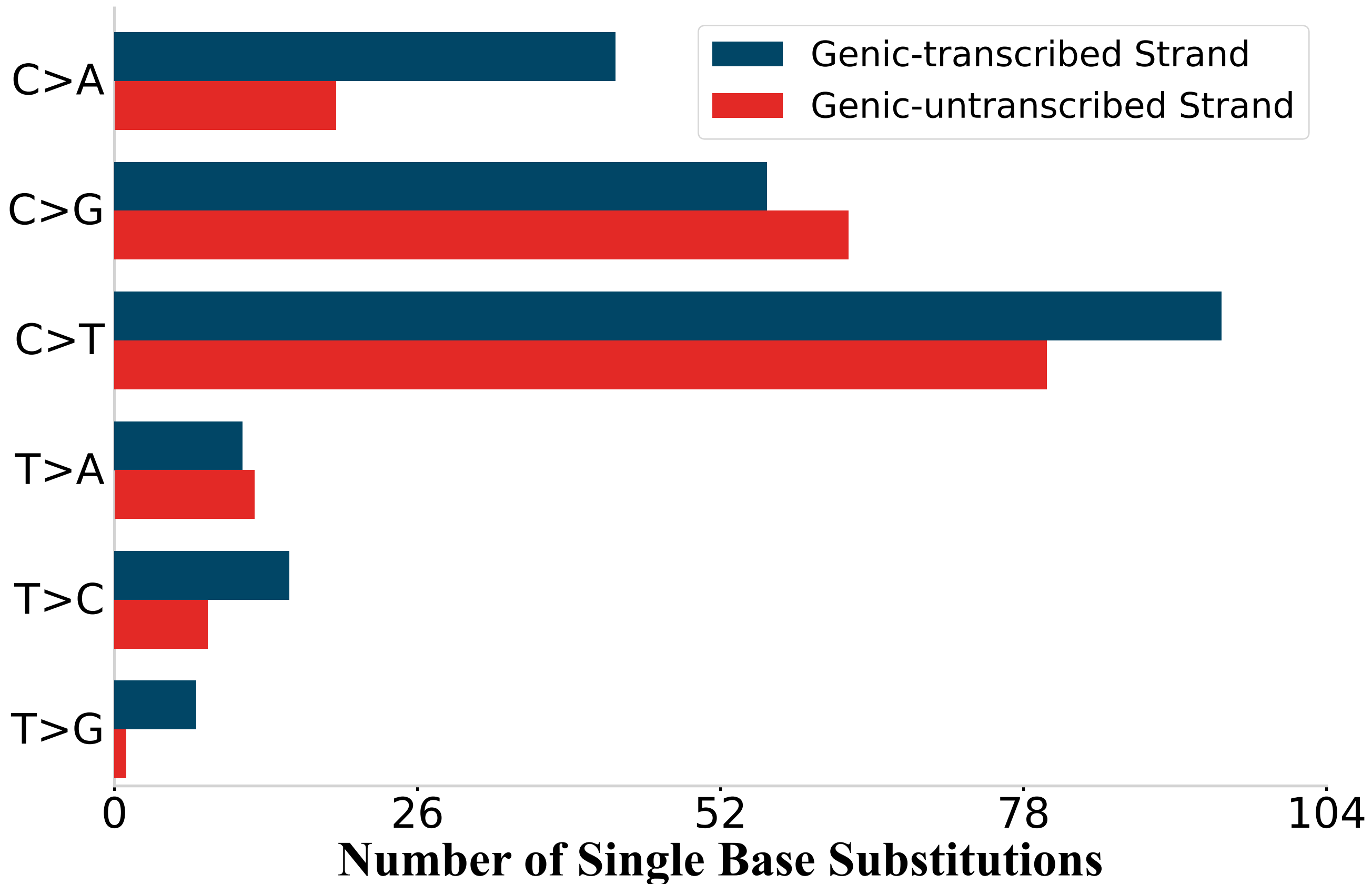
TCGA-E7-A3X6-01A-12D-A22Z-08: 110 transcribed



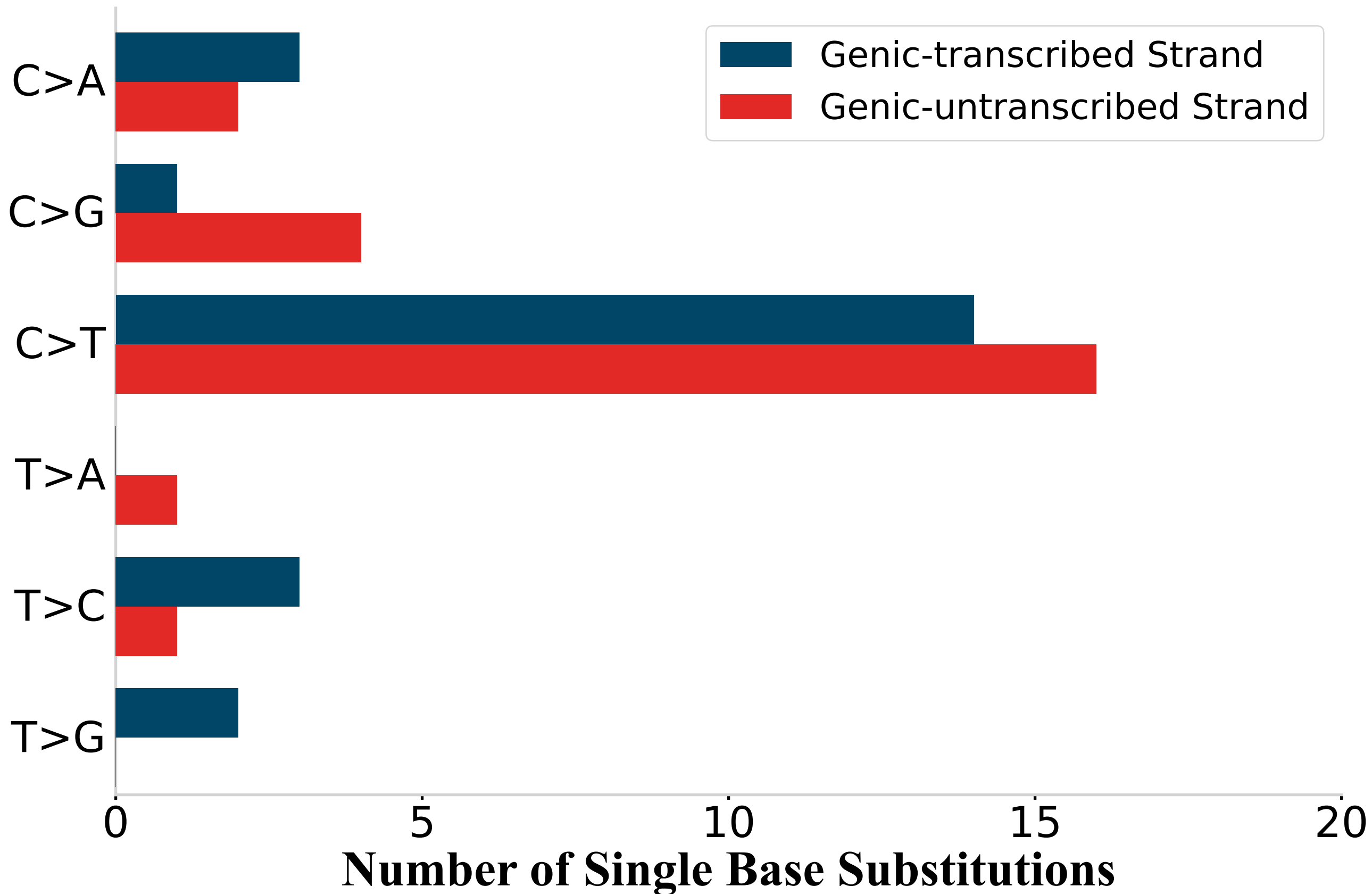
TCGA-E7-A3Y1-01A-11D-A22Z-08: 186 transcribed



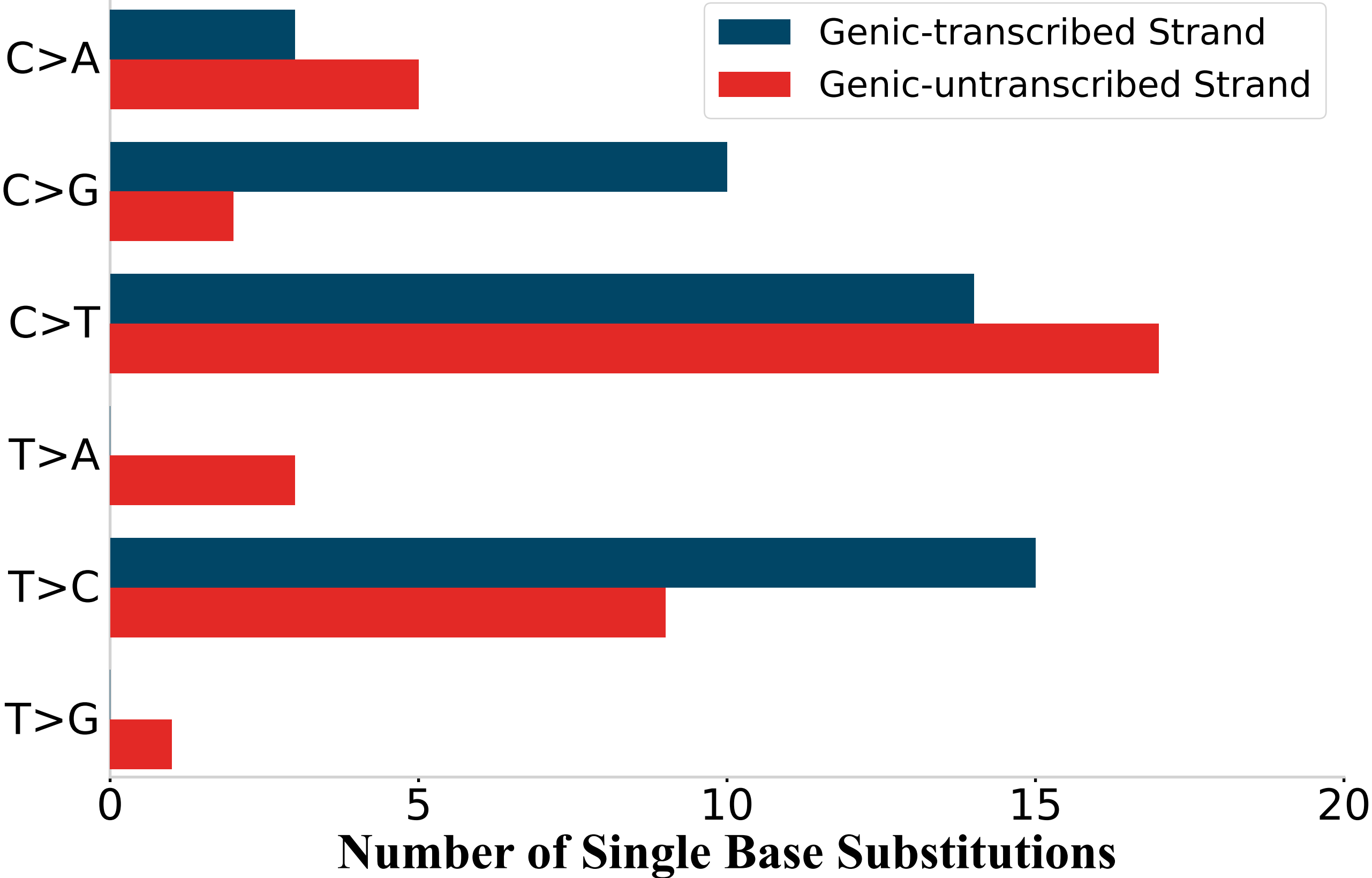
TCGA-E7-A4IJ-01A-31D-A26M-08: 410 transcribed



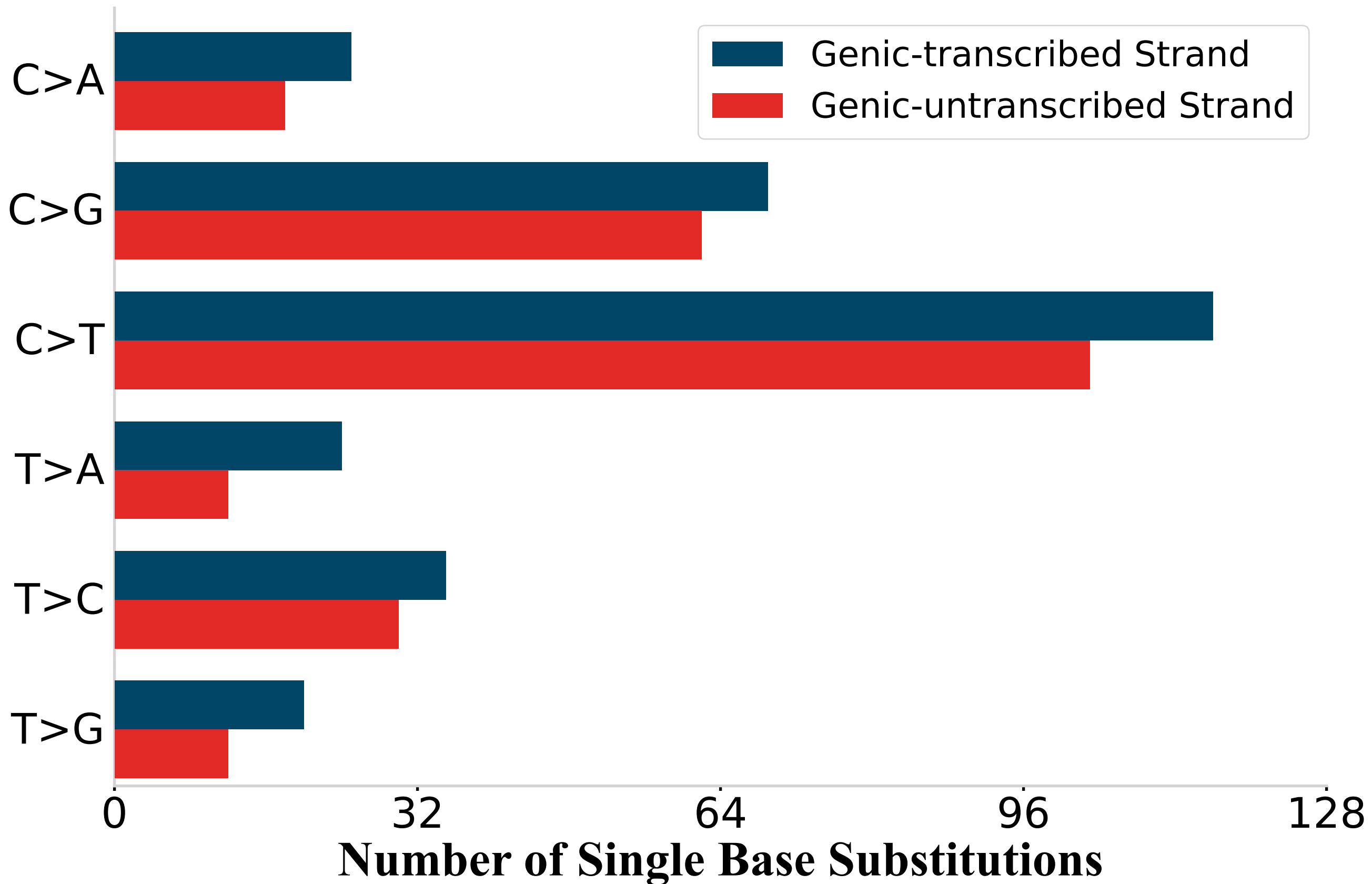
TCGA-E7-A4XJ-01A-11D-A26M-08: 47 transcribed



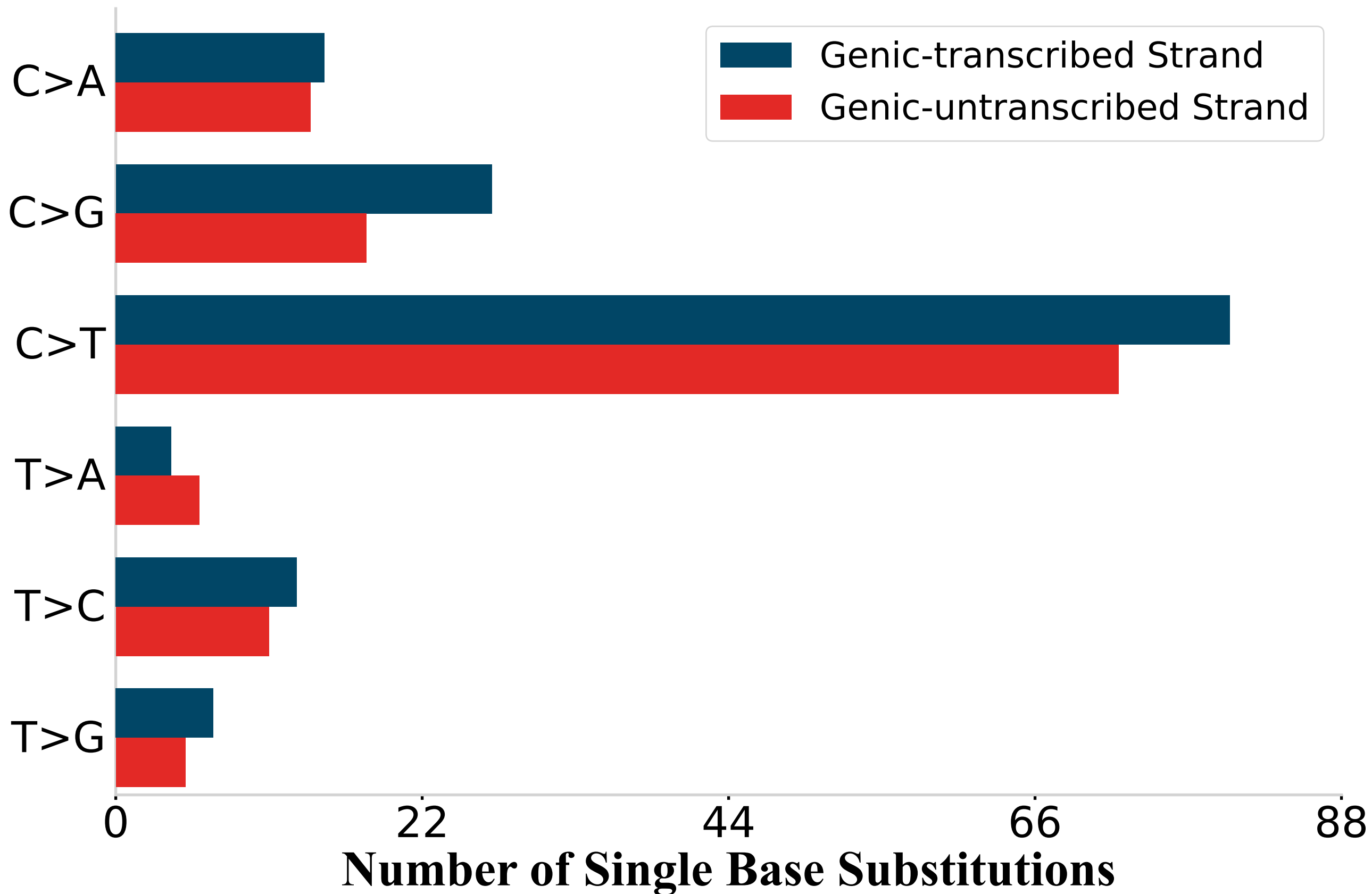
TCGA-E7-A519-01A-11D-A26M-08: 79 transcribed s



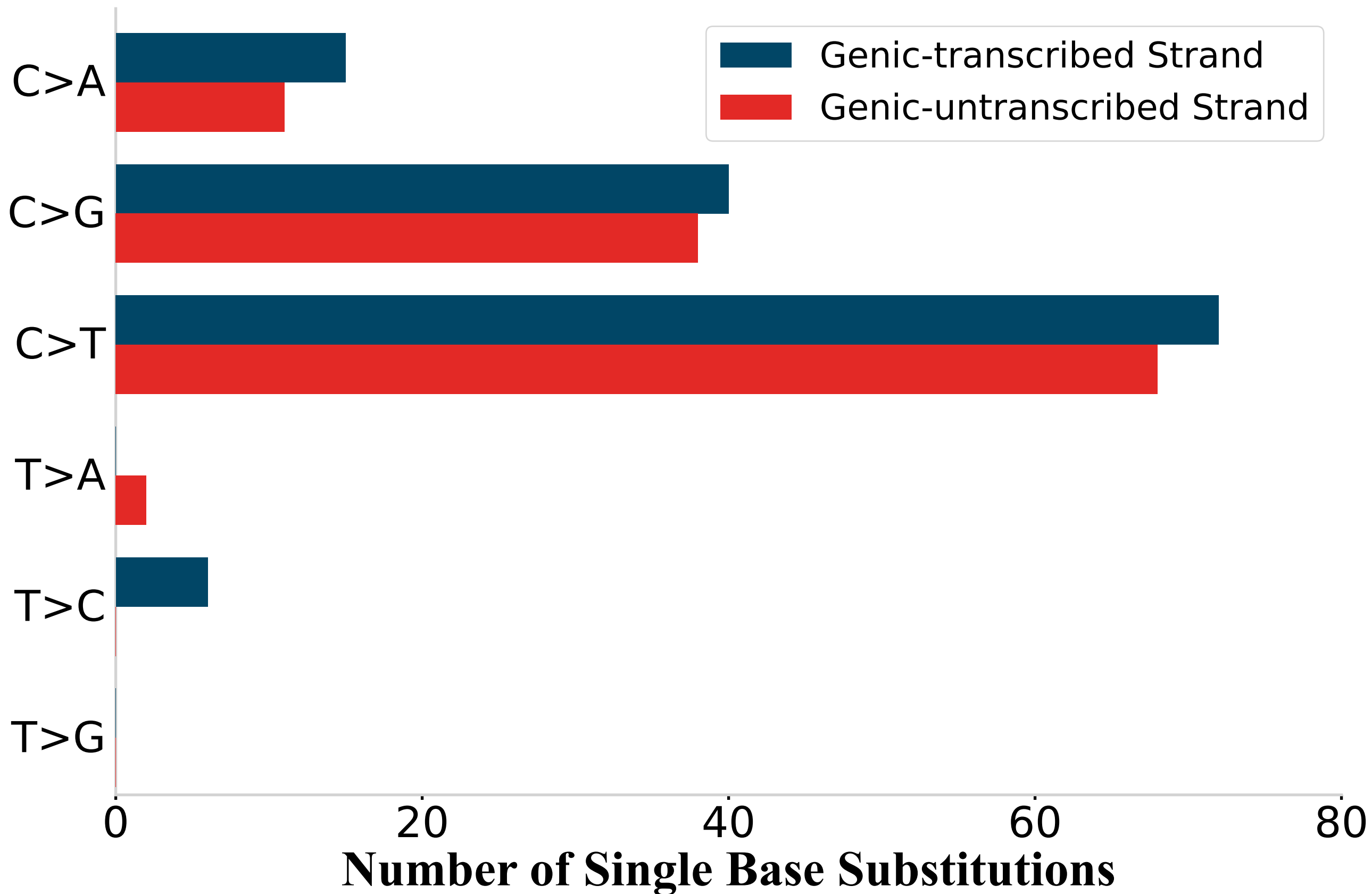
TCGA-E7-A541-01A-11D-A26M-08: 526 transcribed



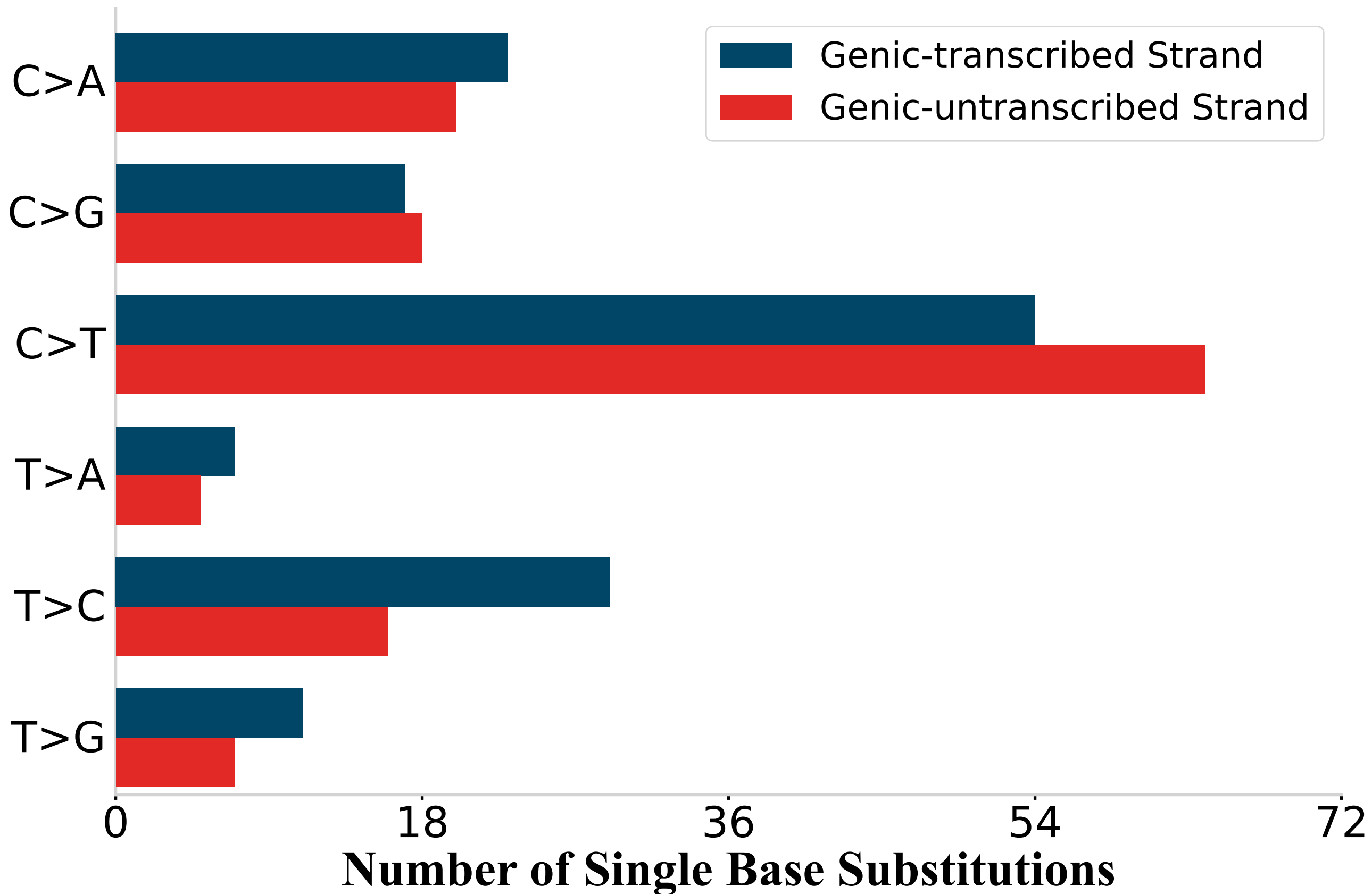
TCGA-E7-A5KE-01A-11D-A289-08: 272 transcribed



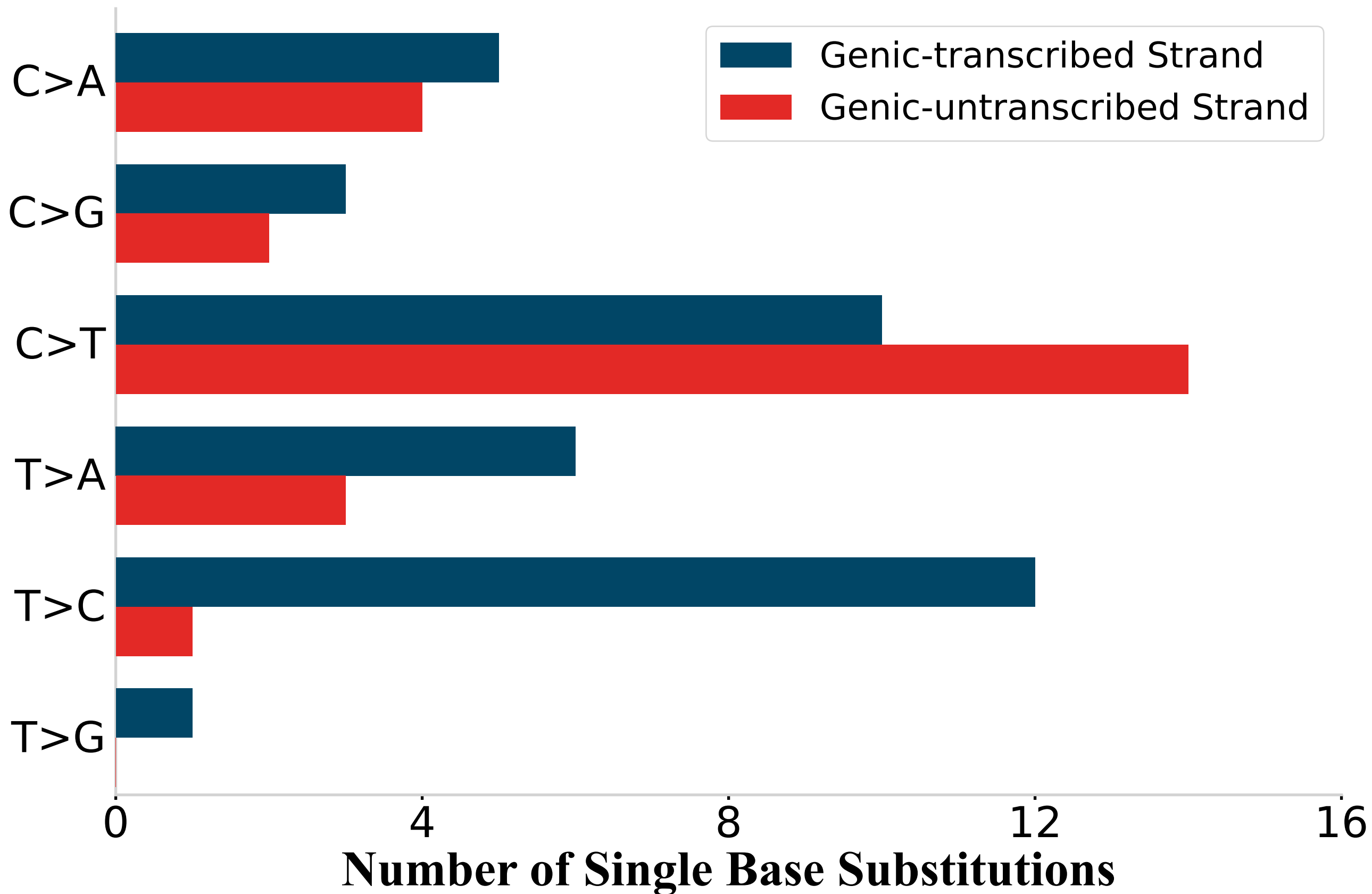
TCGA-E7-A5KF-01A-11D-A289-08: 252 transcribed



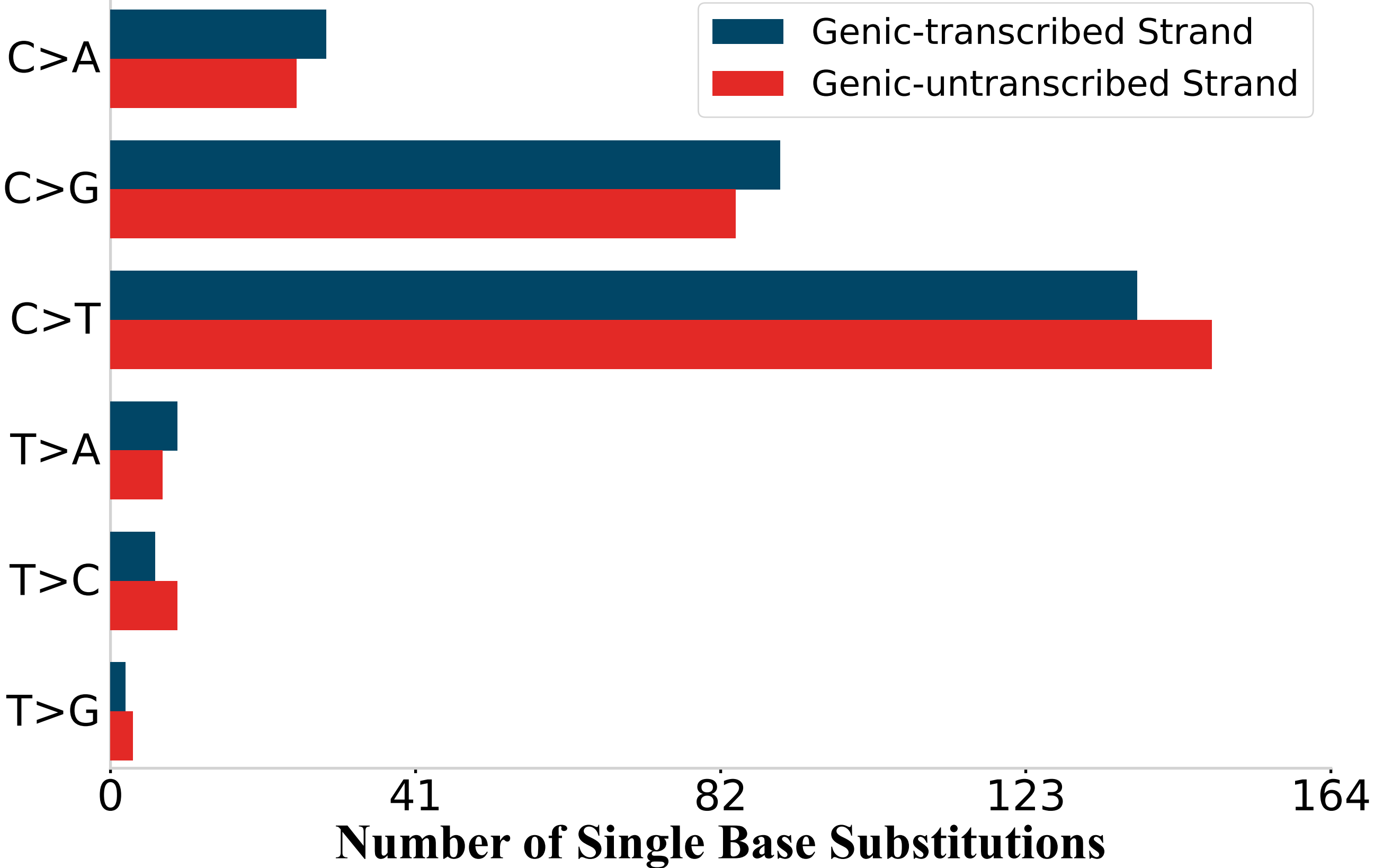
TCGA-E7-A677-01A-11D-A30E-08: 271 transcribed



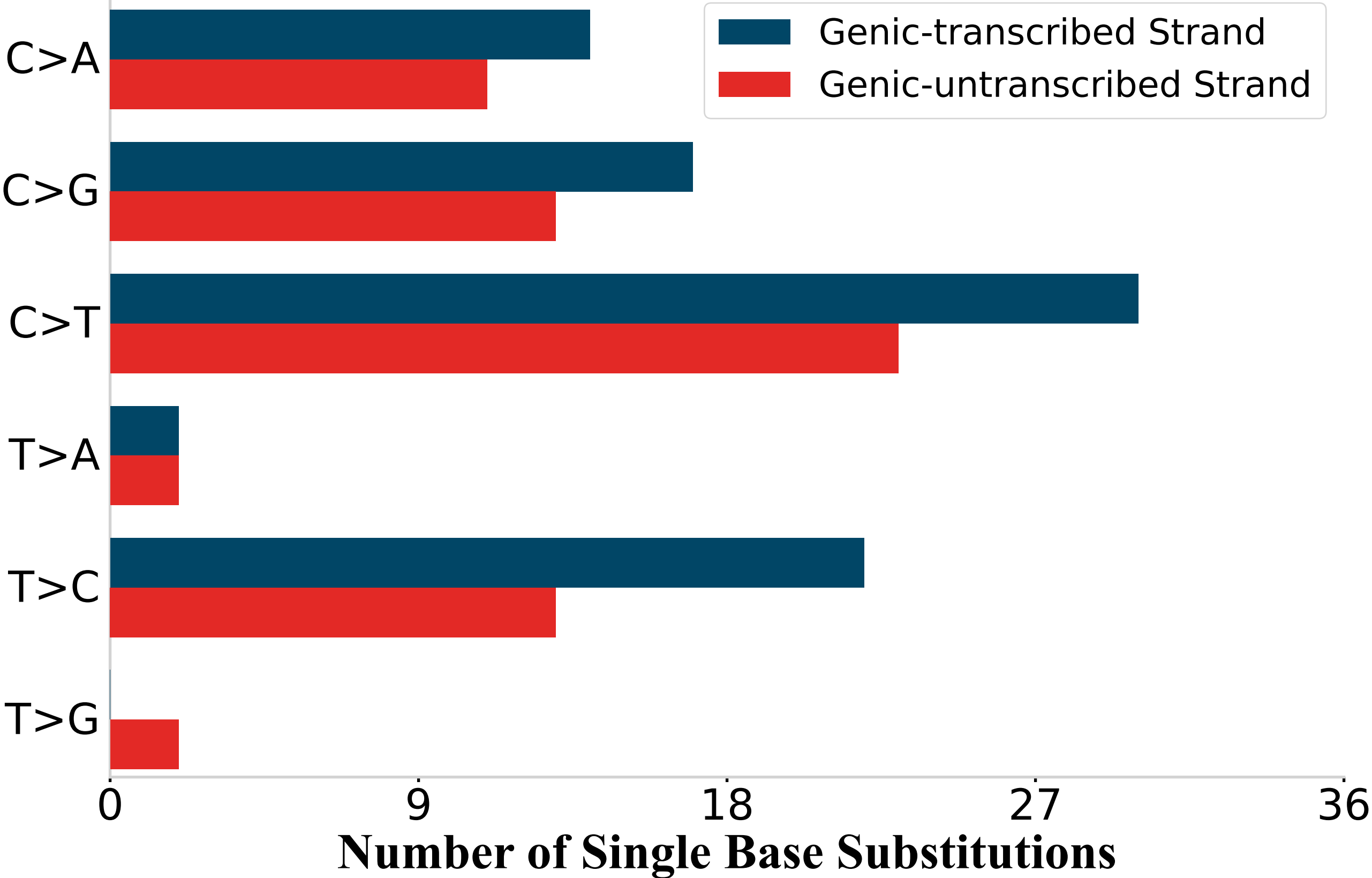
TCGA-E7-A678-01A-11D-A30E-08: 61 transcribed s



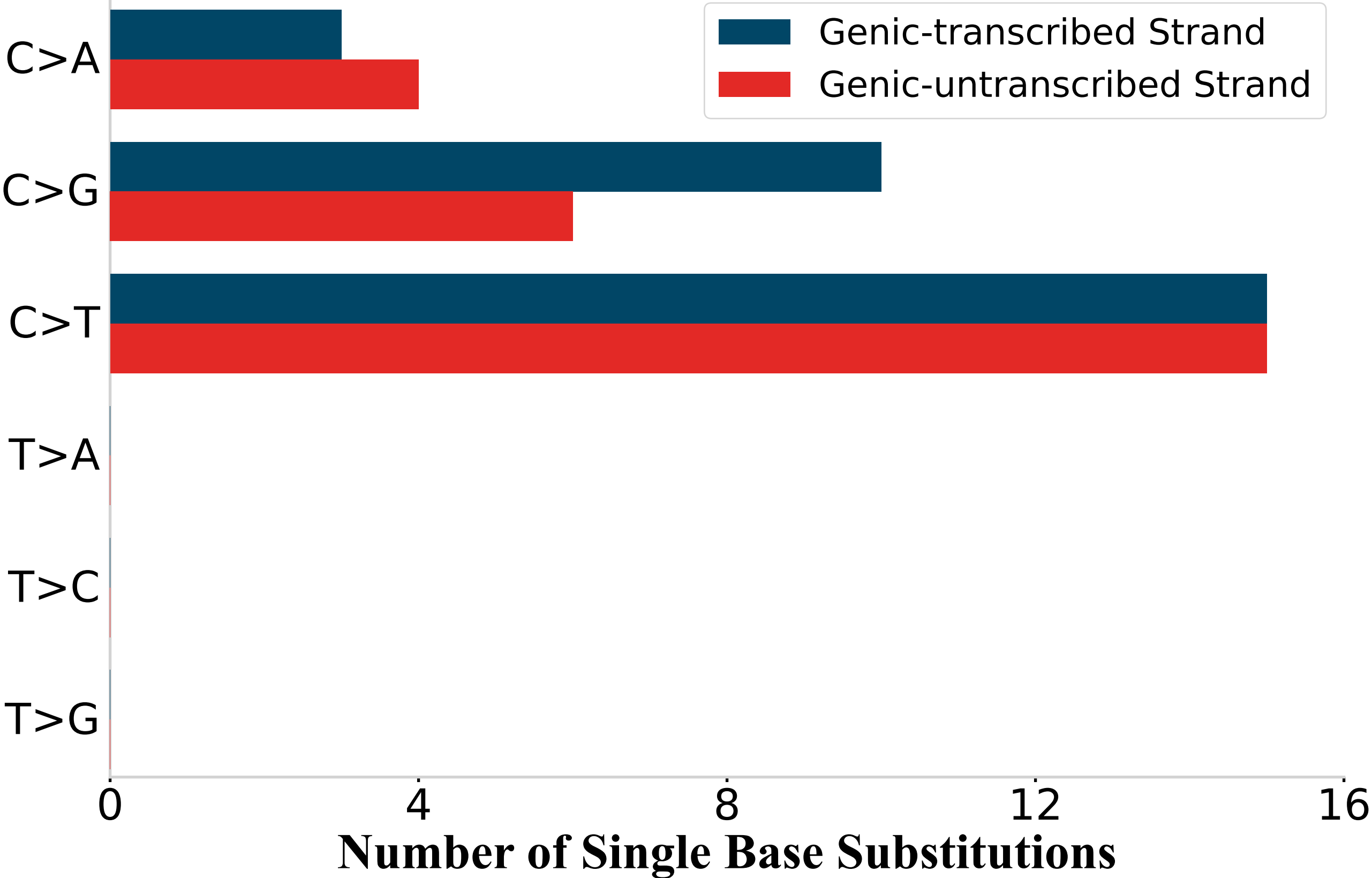
TCGA-E7-A6MD-01A-41D-A34U-08: 550 transcribe



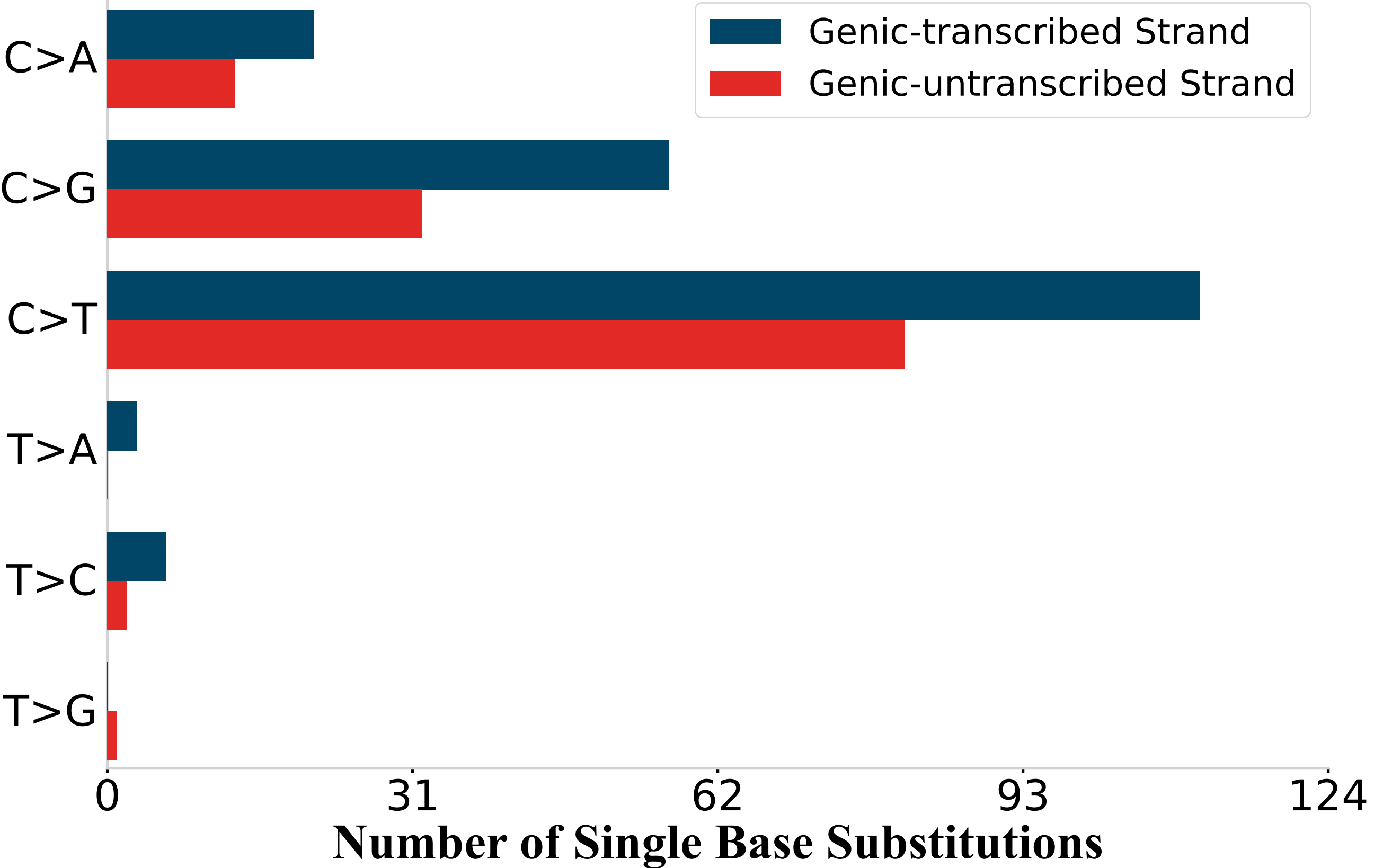
TCGA-E7-A6ME-01A-22D-A32B-08: 149 transcribed



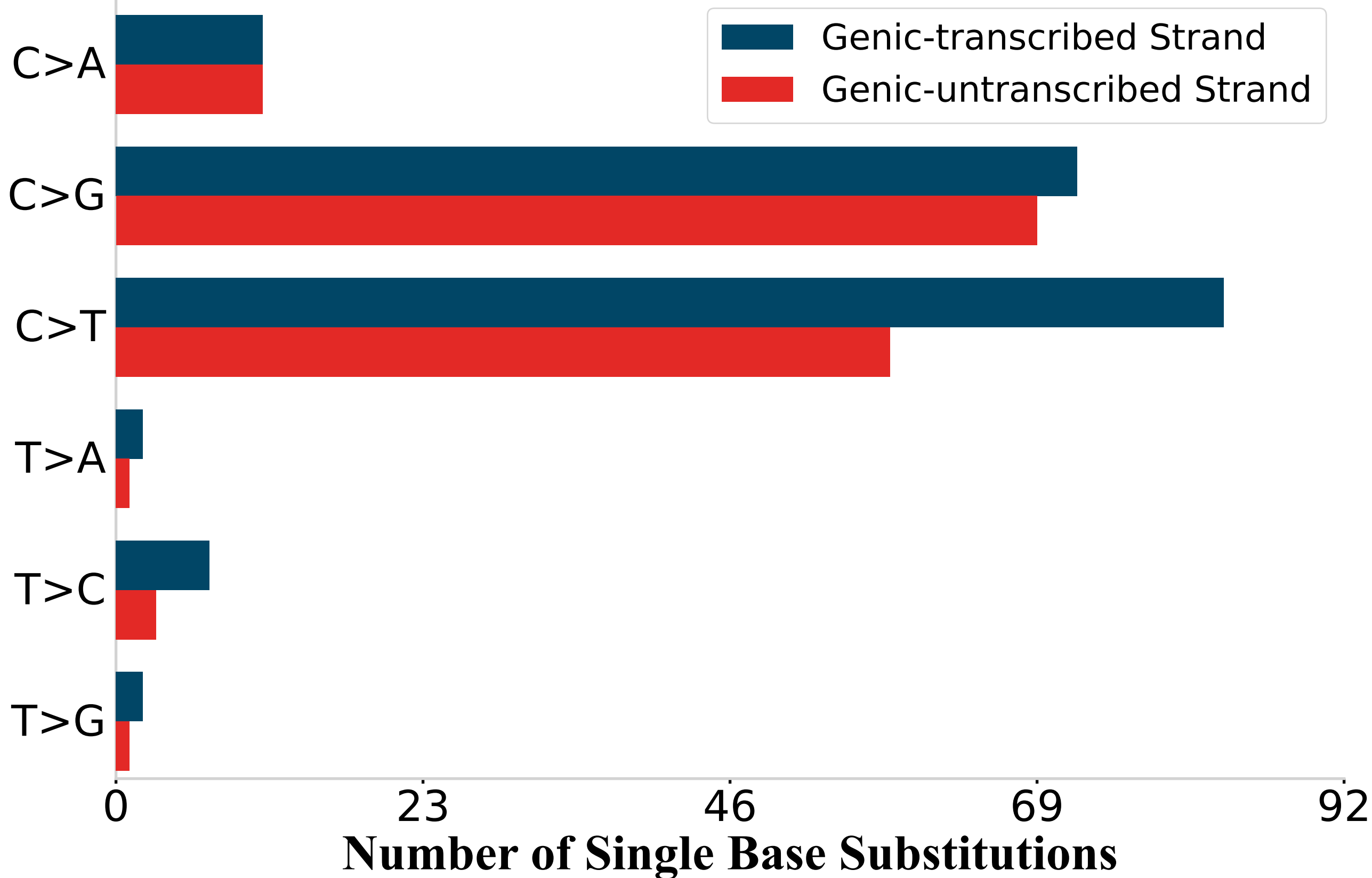
TCGA-E7-A6MF-01A-12D-A32B-08: 53 transcribed



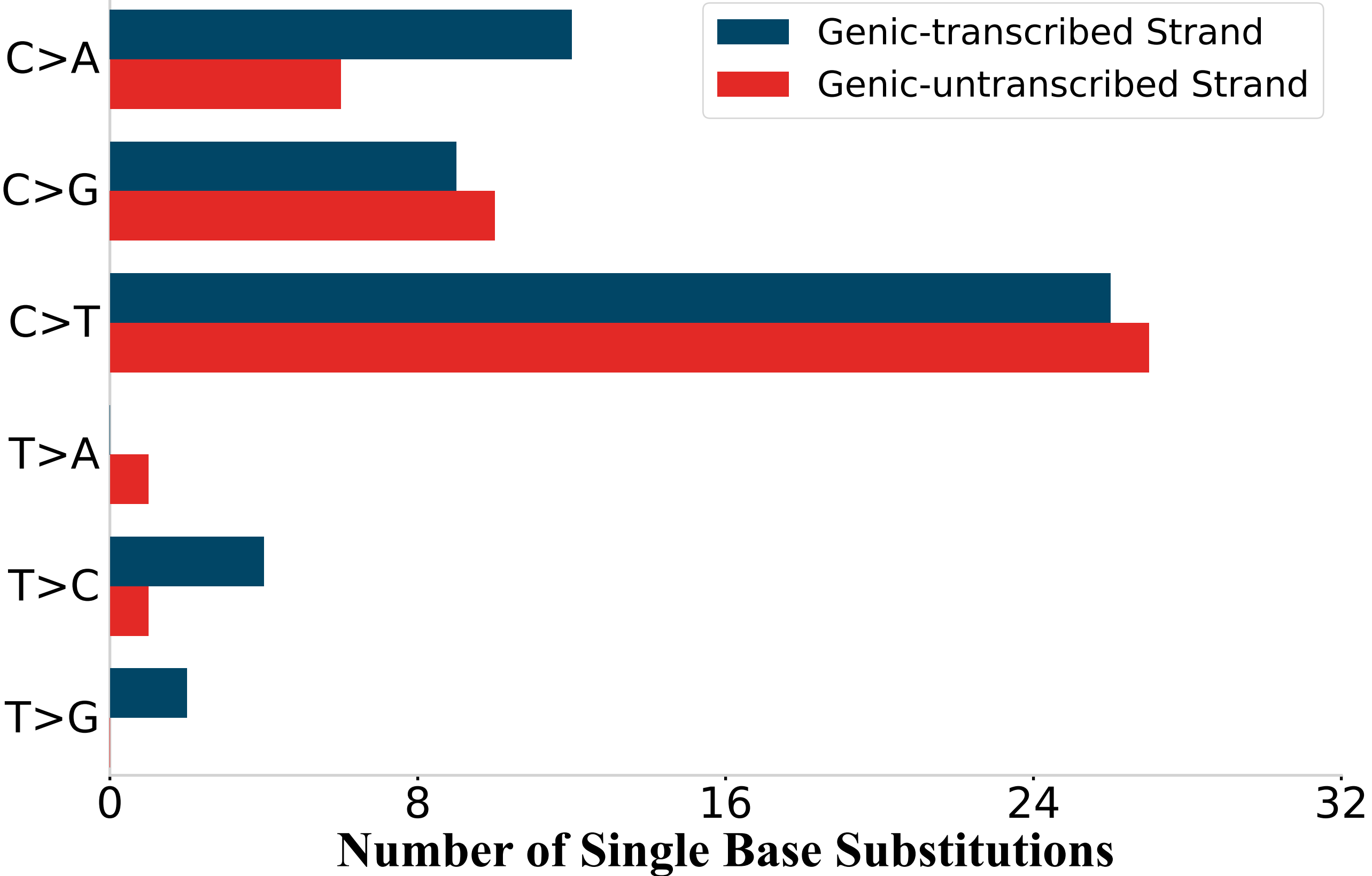
TCGA-E7-A7DU-01A-11D-A32B-08: 327 transcribed



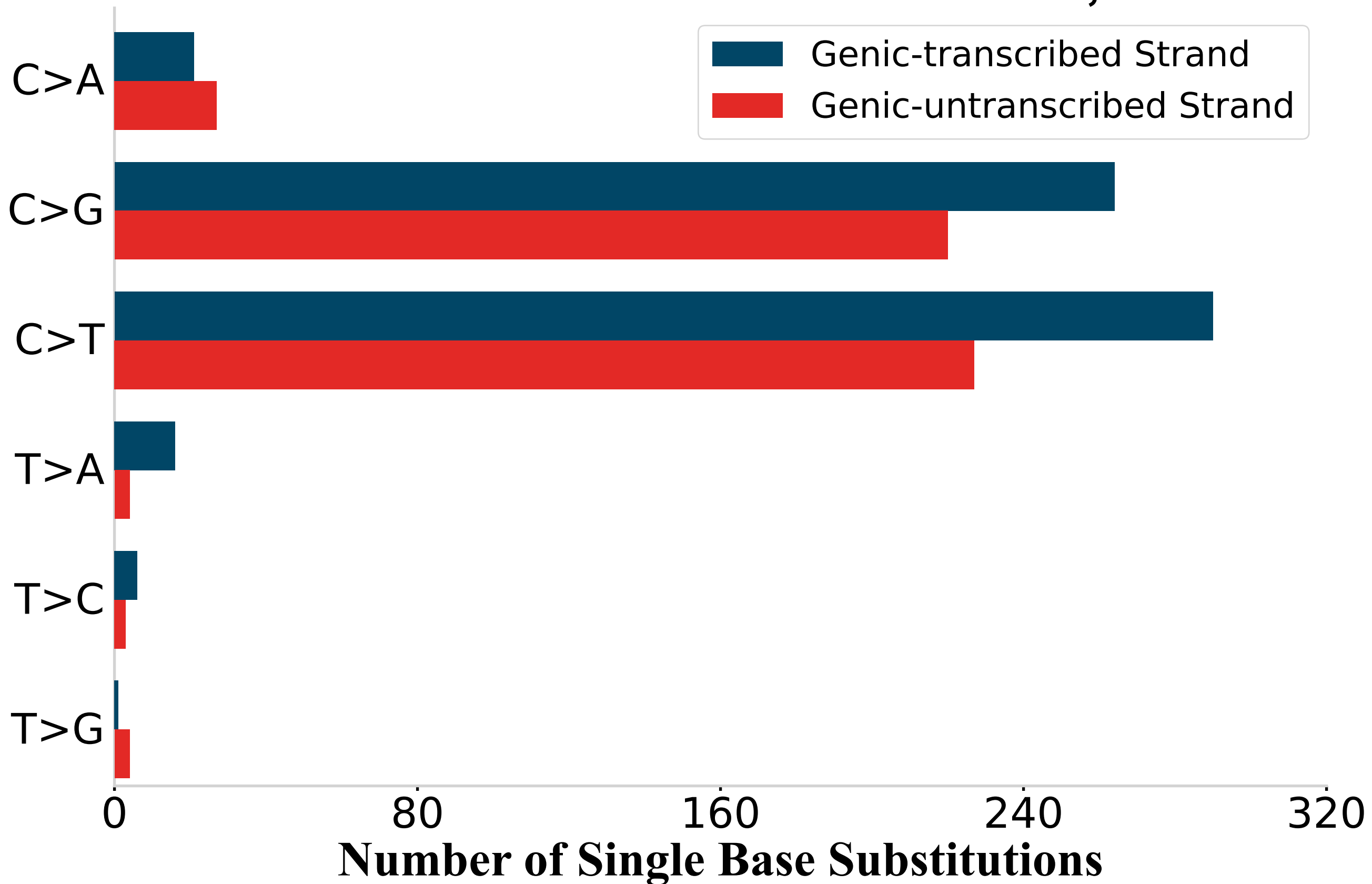
TCGA-E7-A7DV-01A-11D-A339-08: 320 transcribed



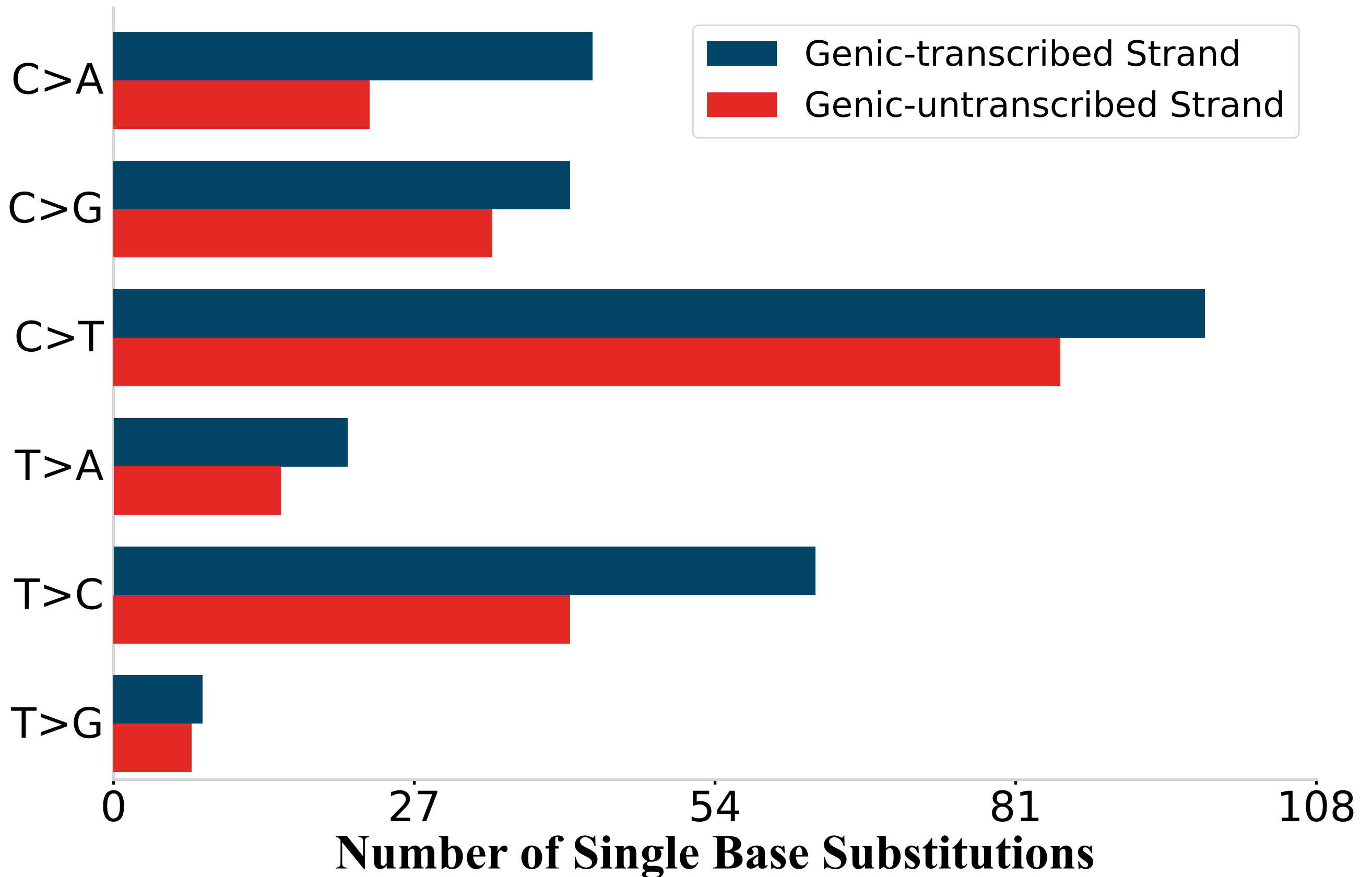
TCGA-E7-A7PW-01A-11D-A34U-08: 98 transcribed



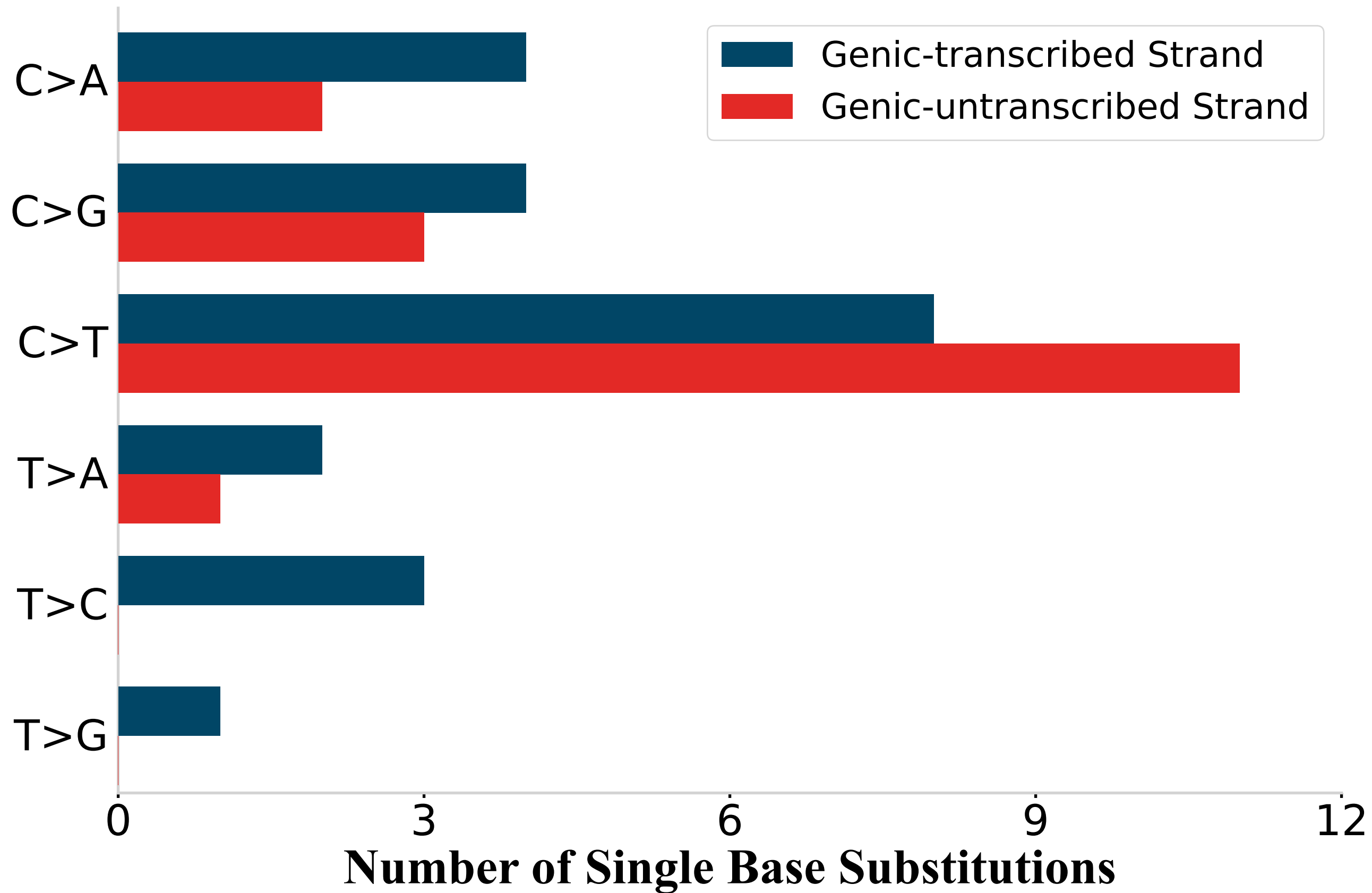
TCGA-E7-A7XN-01A-11D-A34U-08: 1,083 transcrib



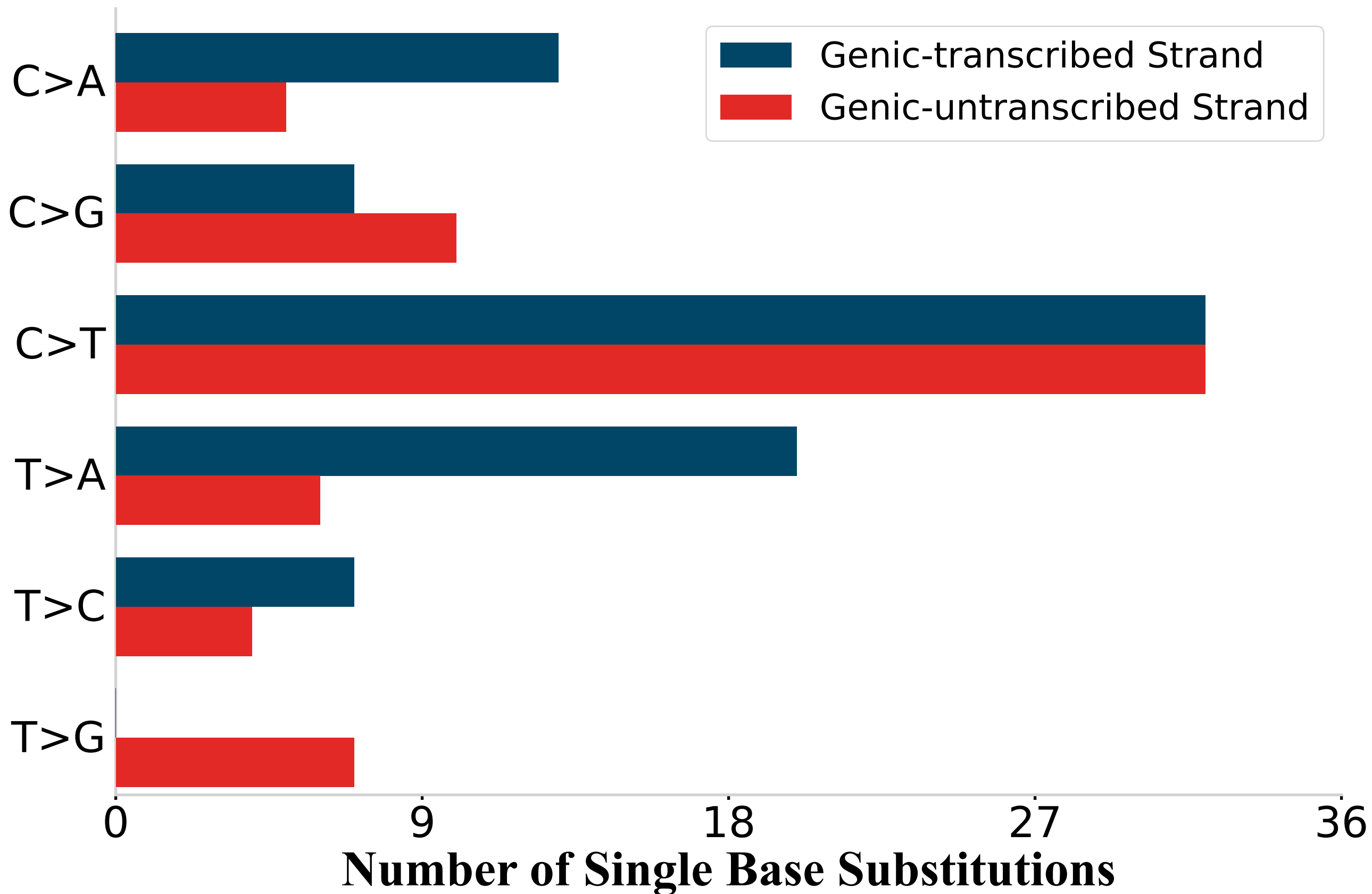
TCGA-E7-A85H-01A-11D-A34U-08: 479 transcribed



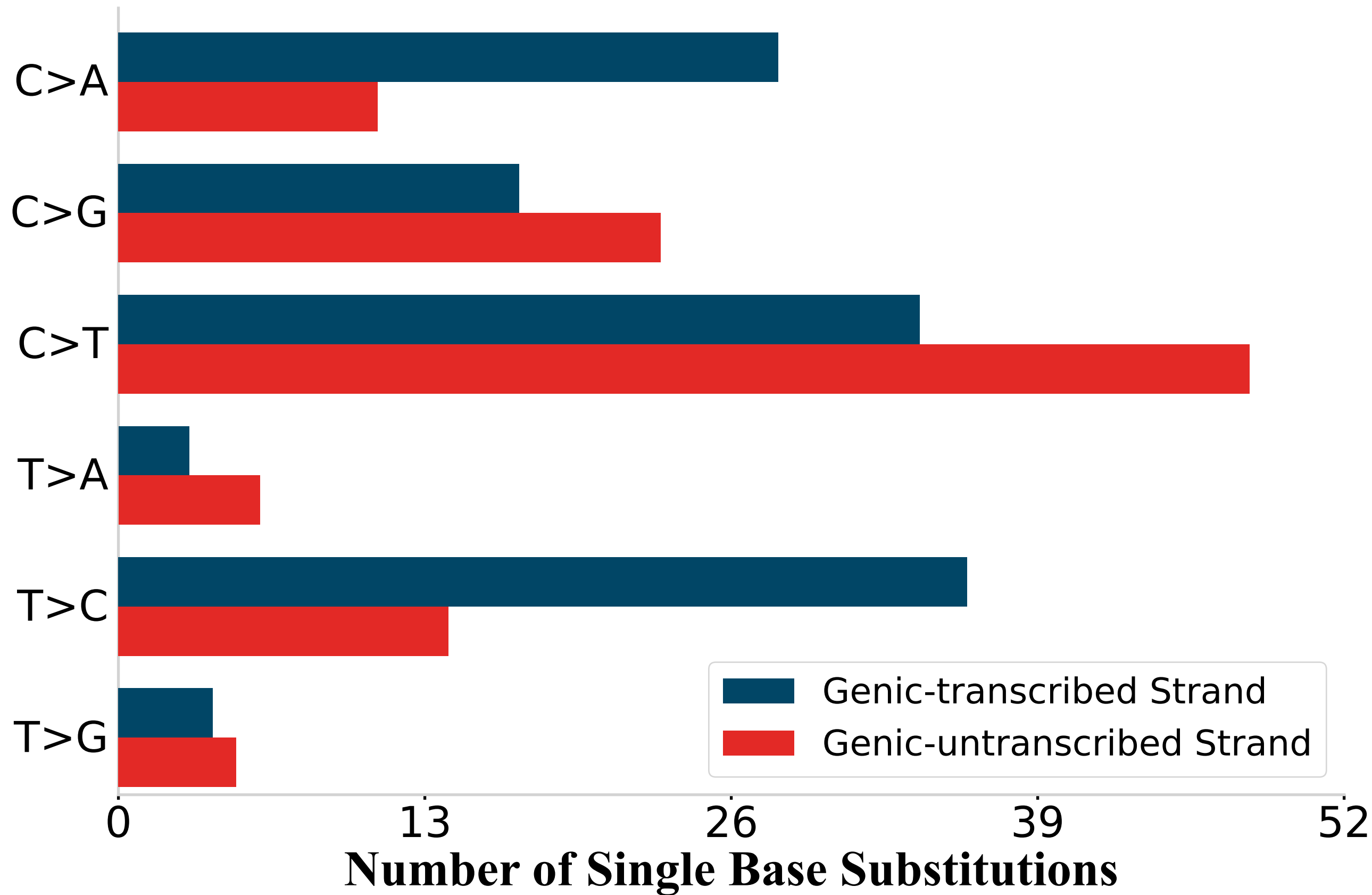
TCGA-E7-A8O7-01A-11D-A364-08: 39 transcribed s



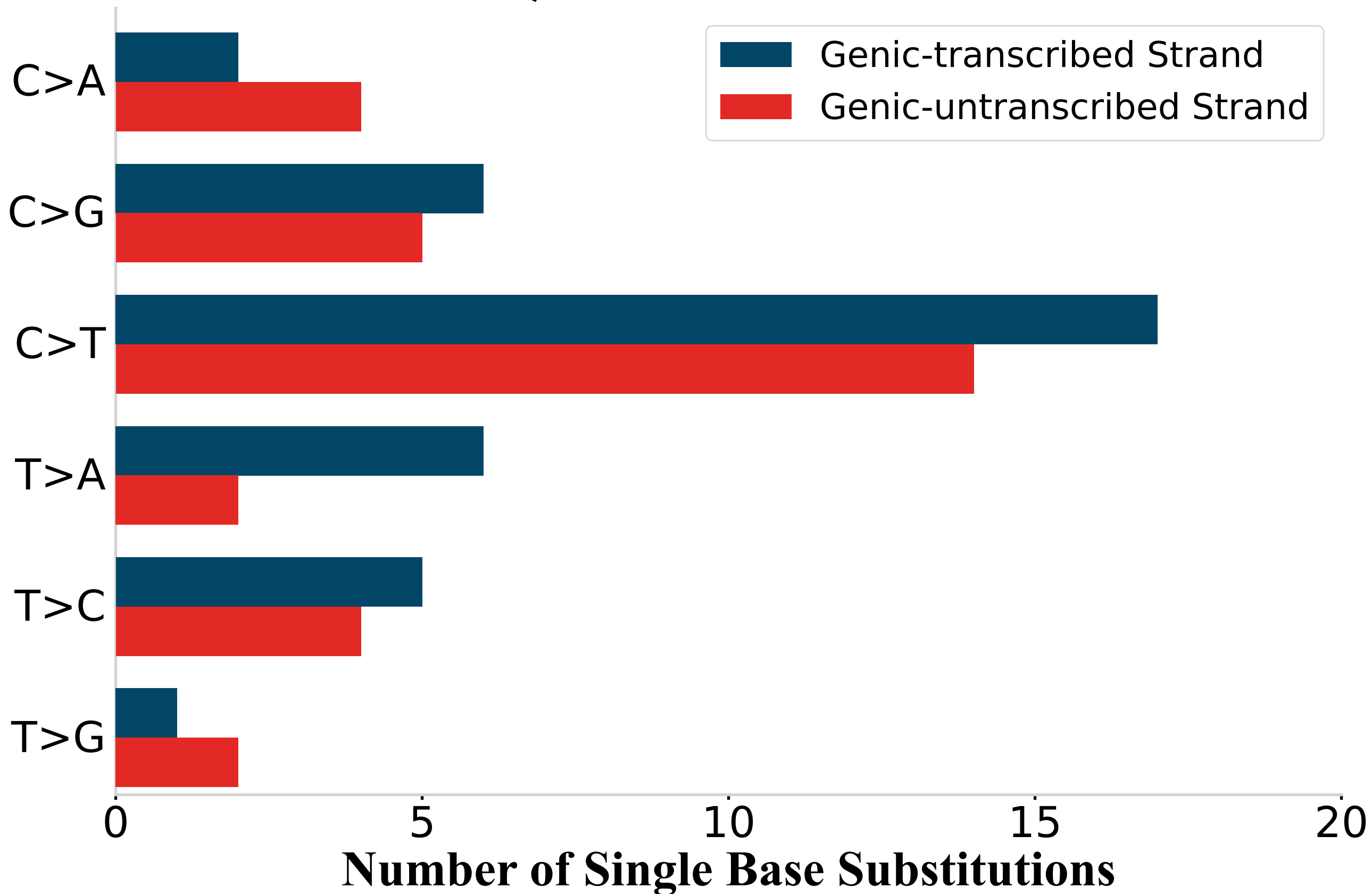
TCGA-E7-A8O8-01A-11D-A364-08: 143 transcribed



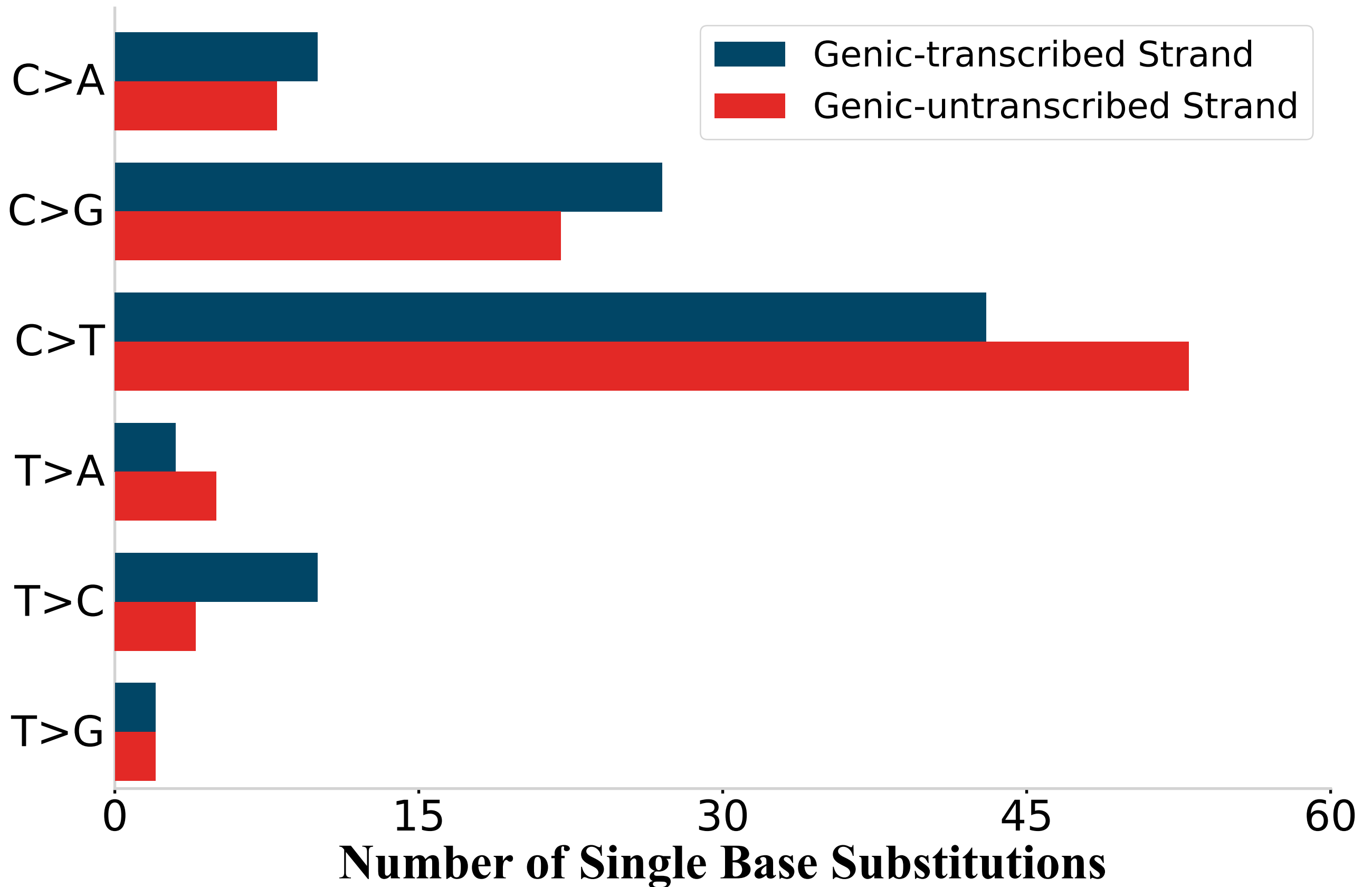
TCGA-E7-A97P-01A-11D-A38G-08: 229 transcribed



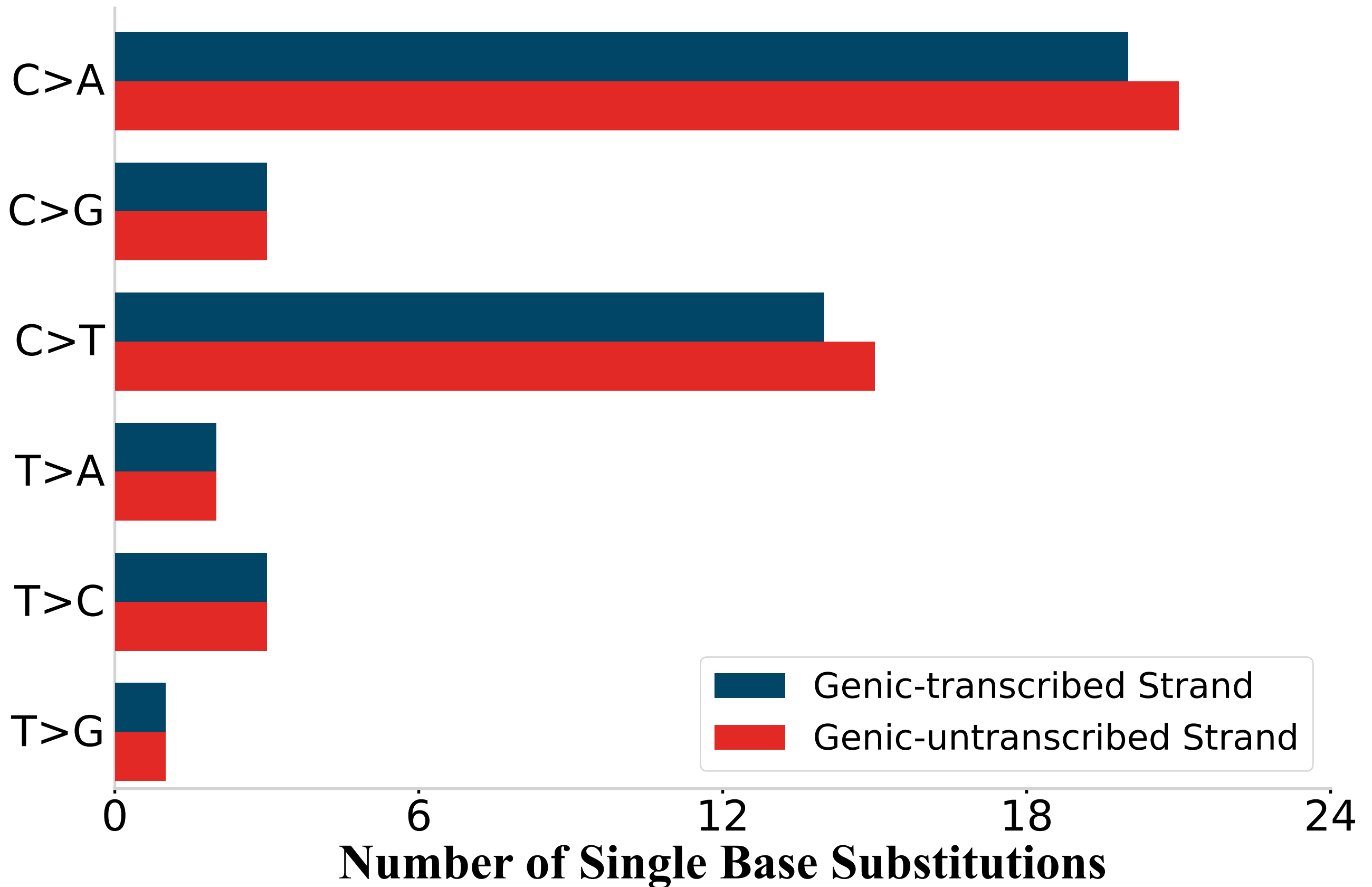
TCGA-E7-A97Q-01A-11D-A38G-08: 68 transcribed



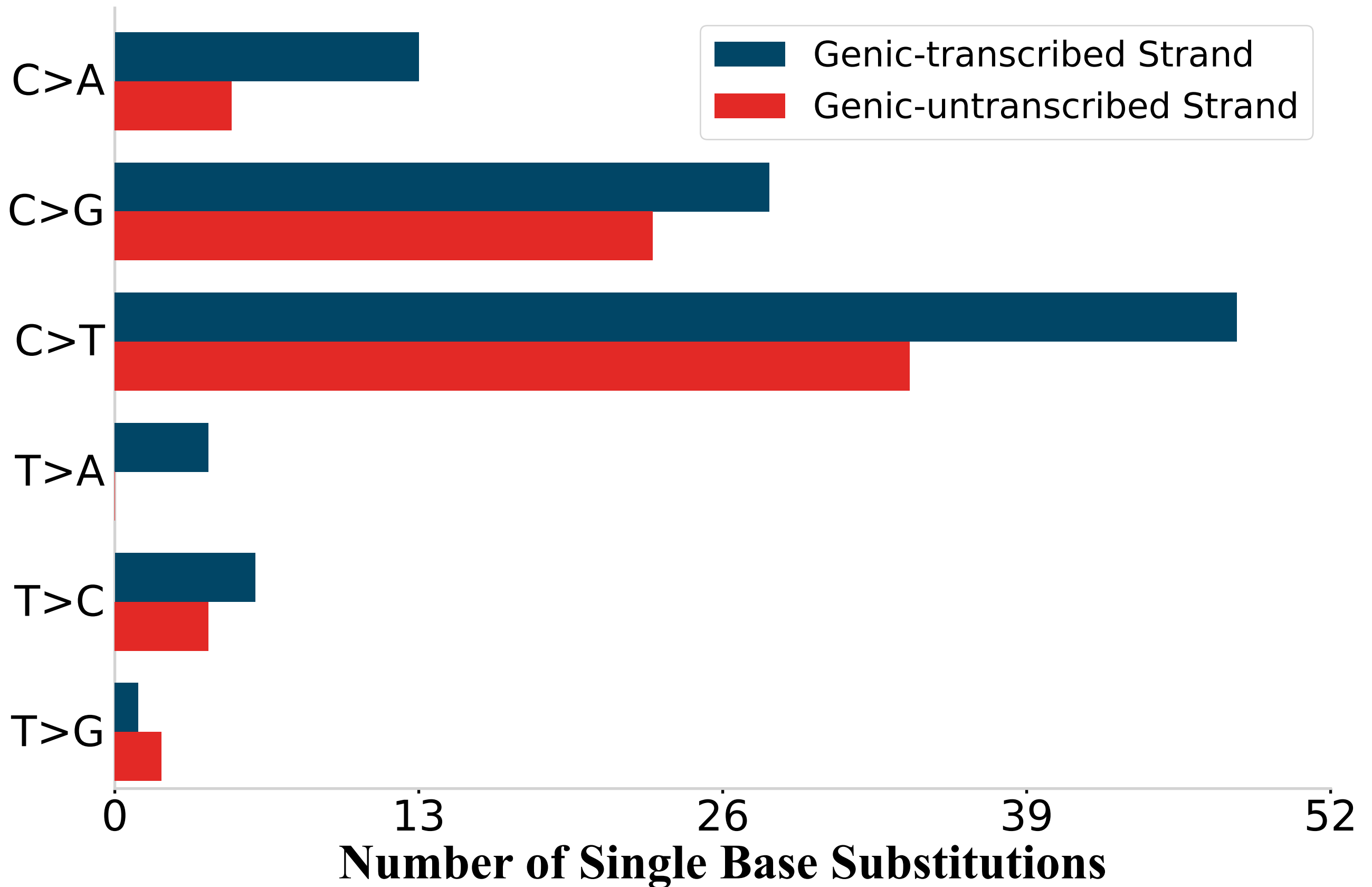
TCGA-FD-A3B3-01A-12D-A202-08: 189 transcribed



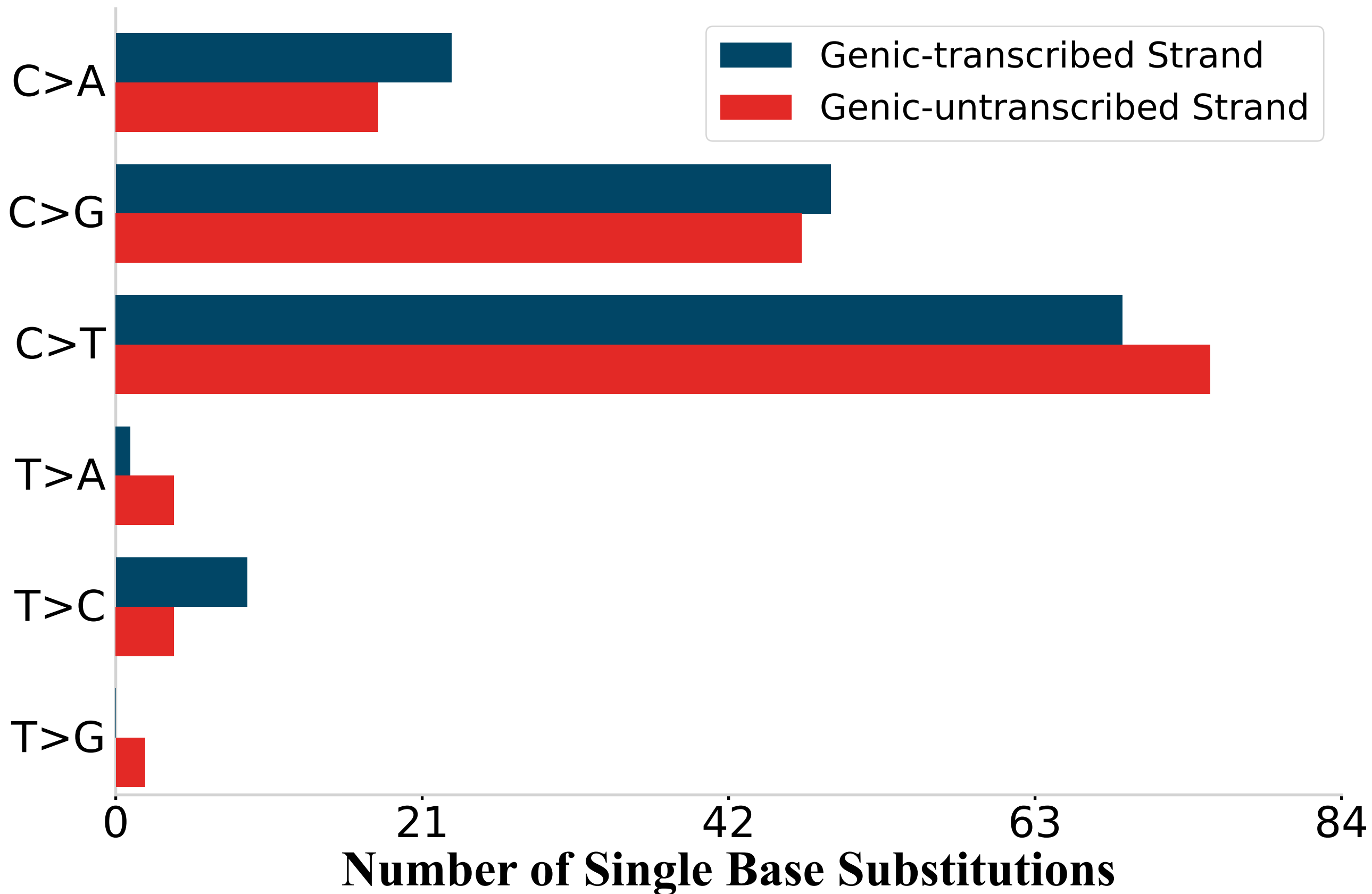
TCGA-FD-A3B4-01A-12D-A202-08: 88 transcribed



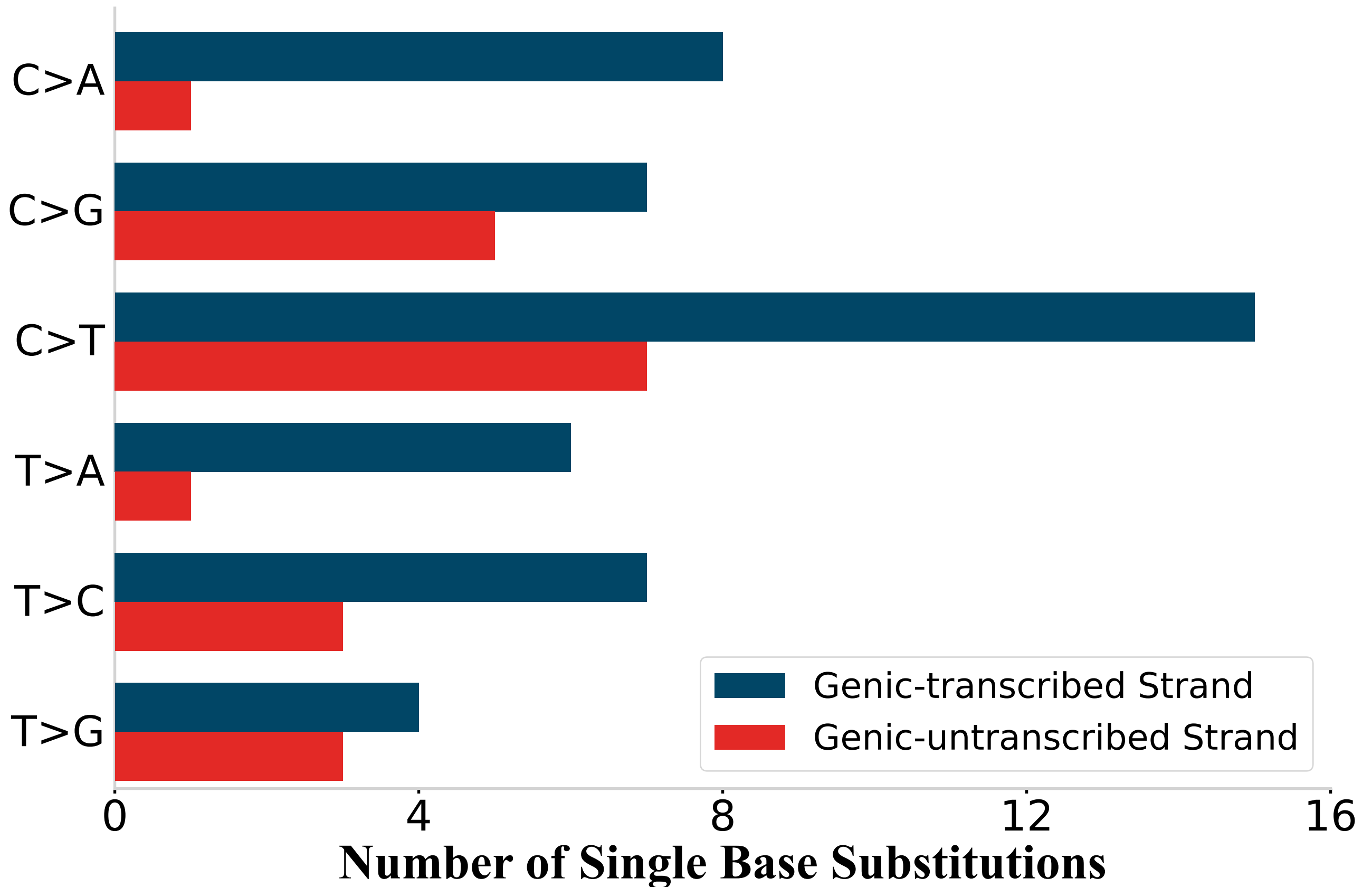
TCGA-FD-A3B5-01A-11D-A20D-08: 168 transcribed



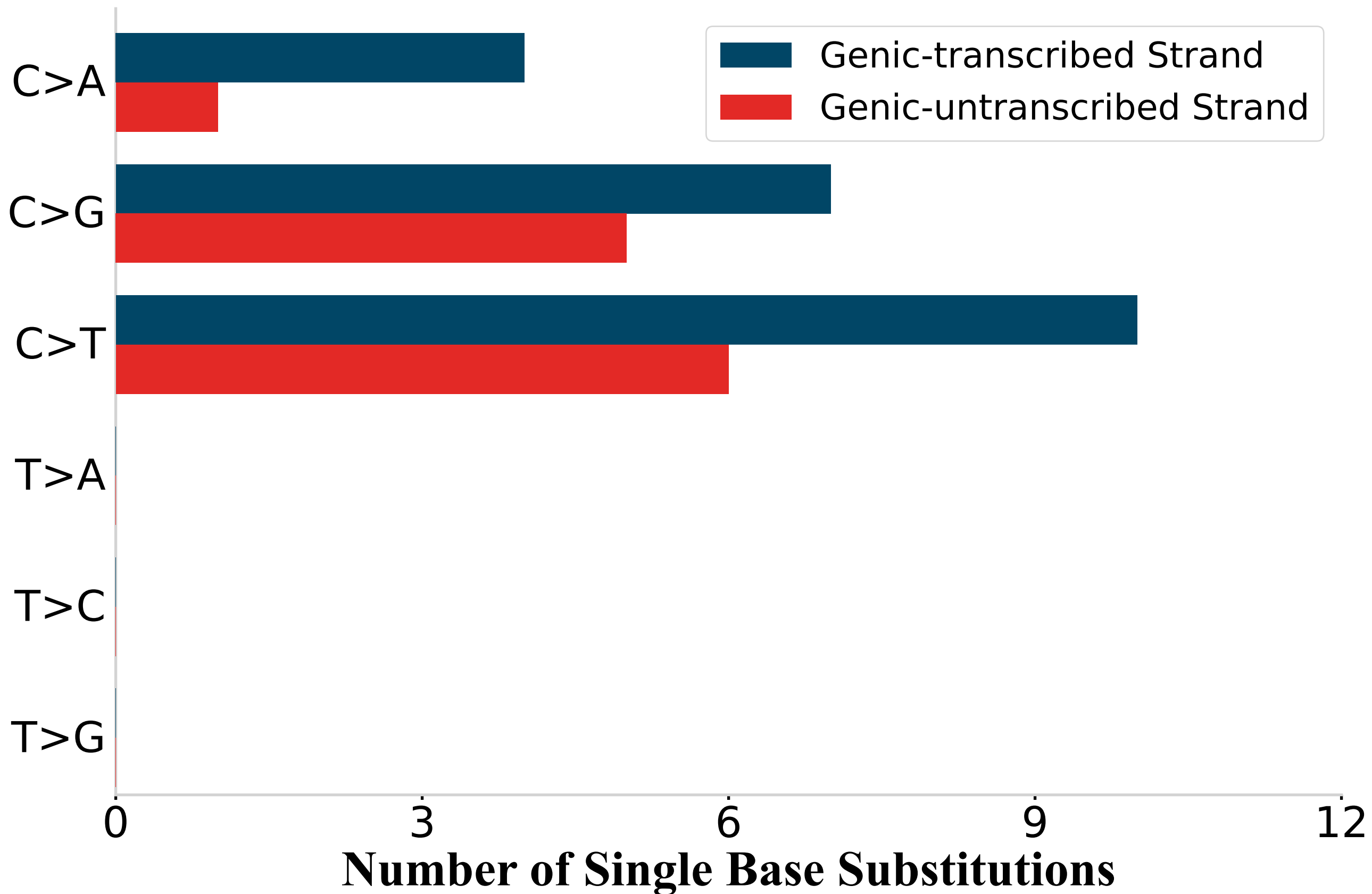
TCGA-FD-A3B6-01A-21D-A20D-08: 301 transcribed



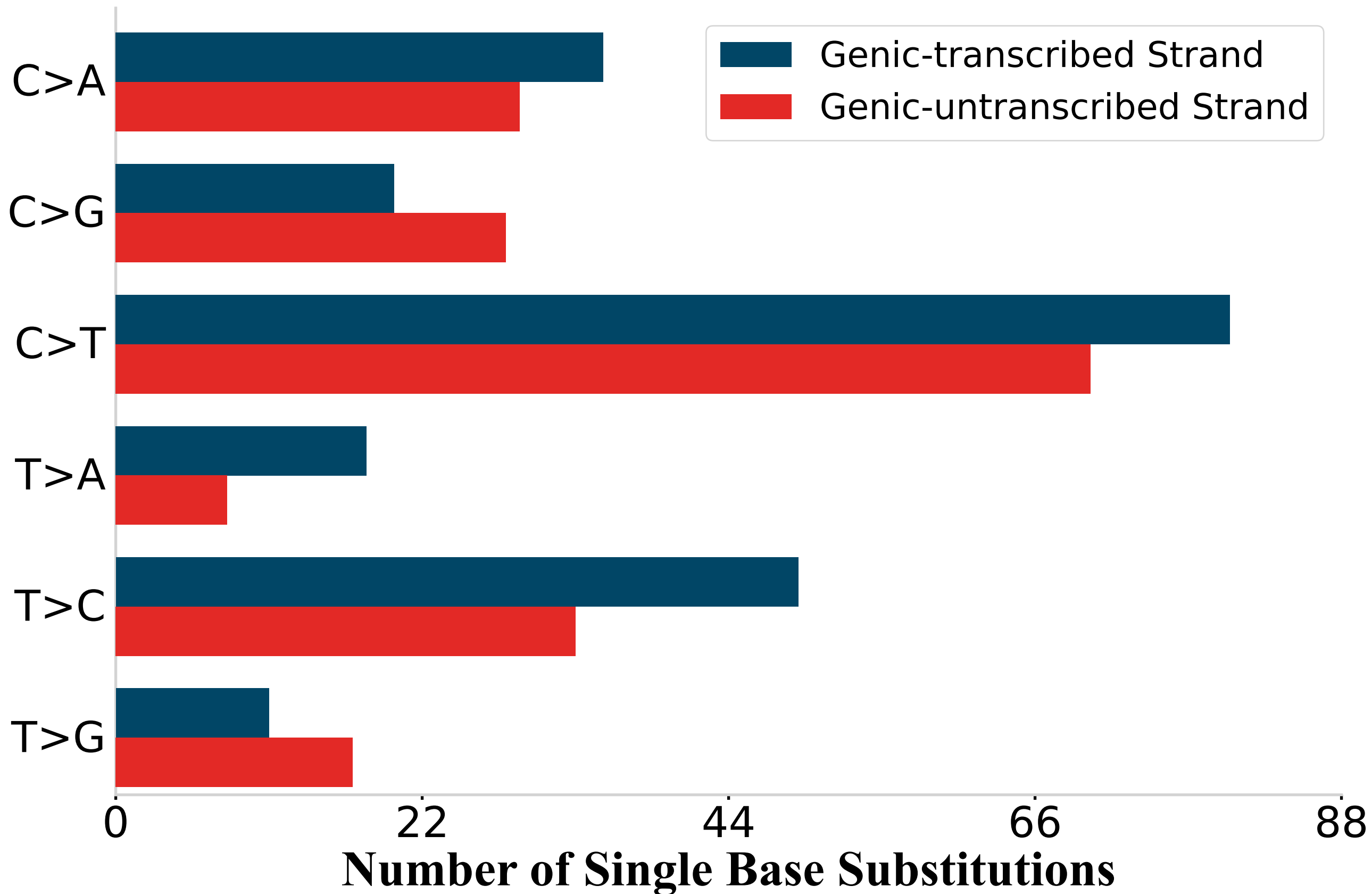
TCGA-FD-A3B7-01A-31D-A20D-08: 67 transcribed



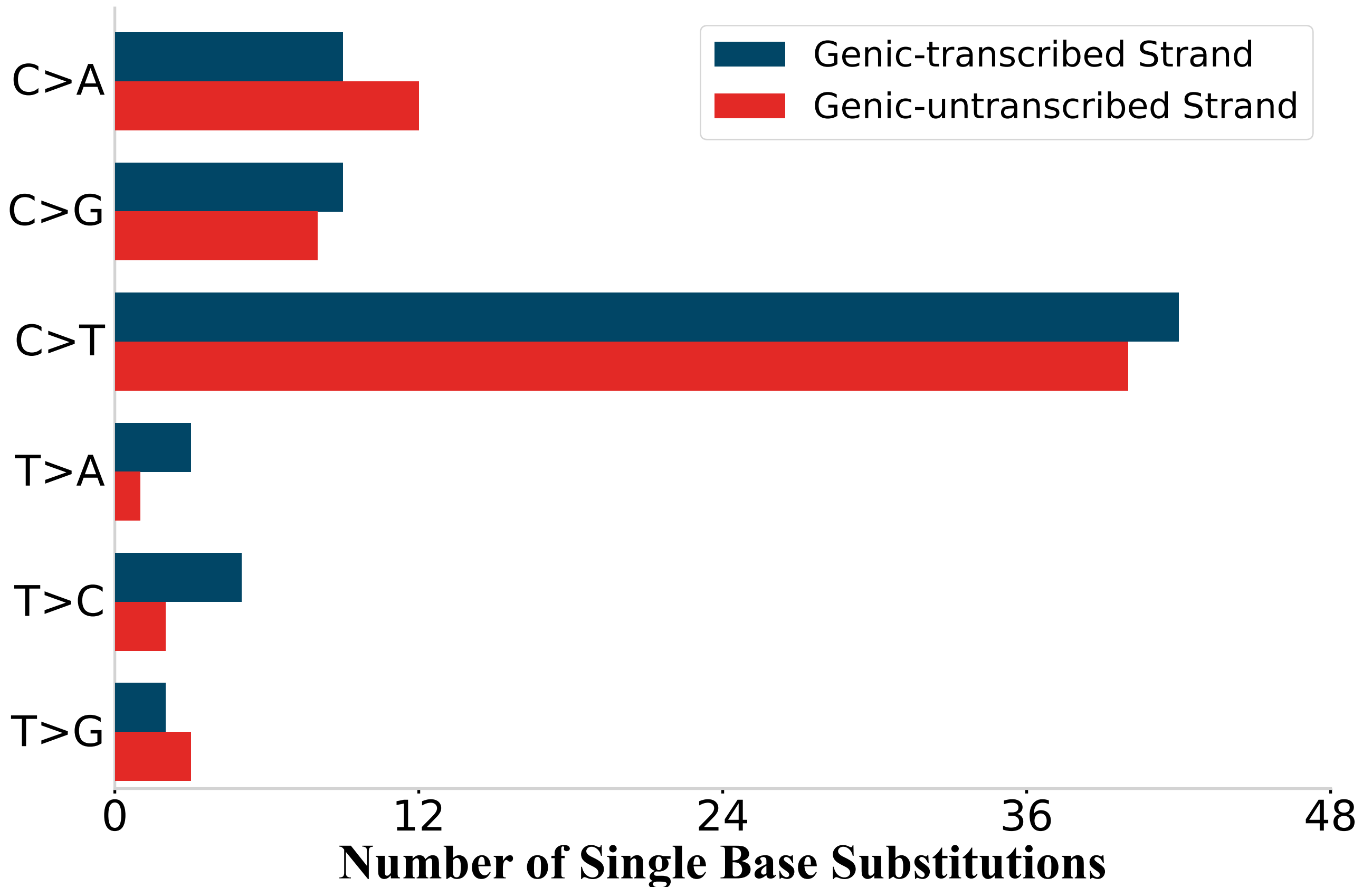
TCGA-FD-A3B8-01A-31D-A20D-08: 33 transcribed



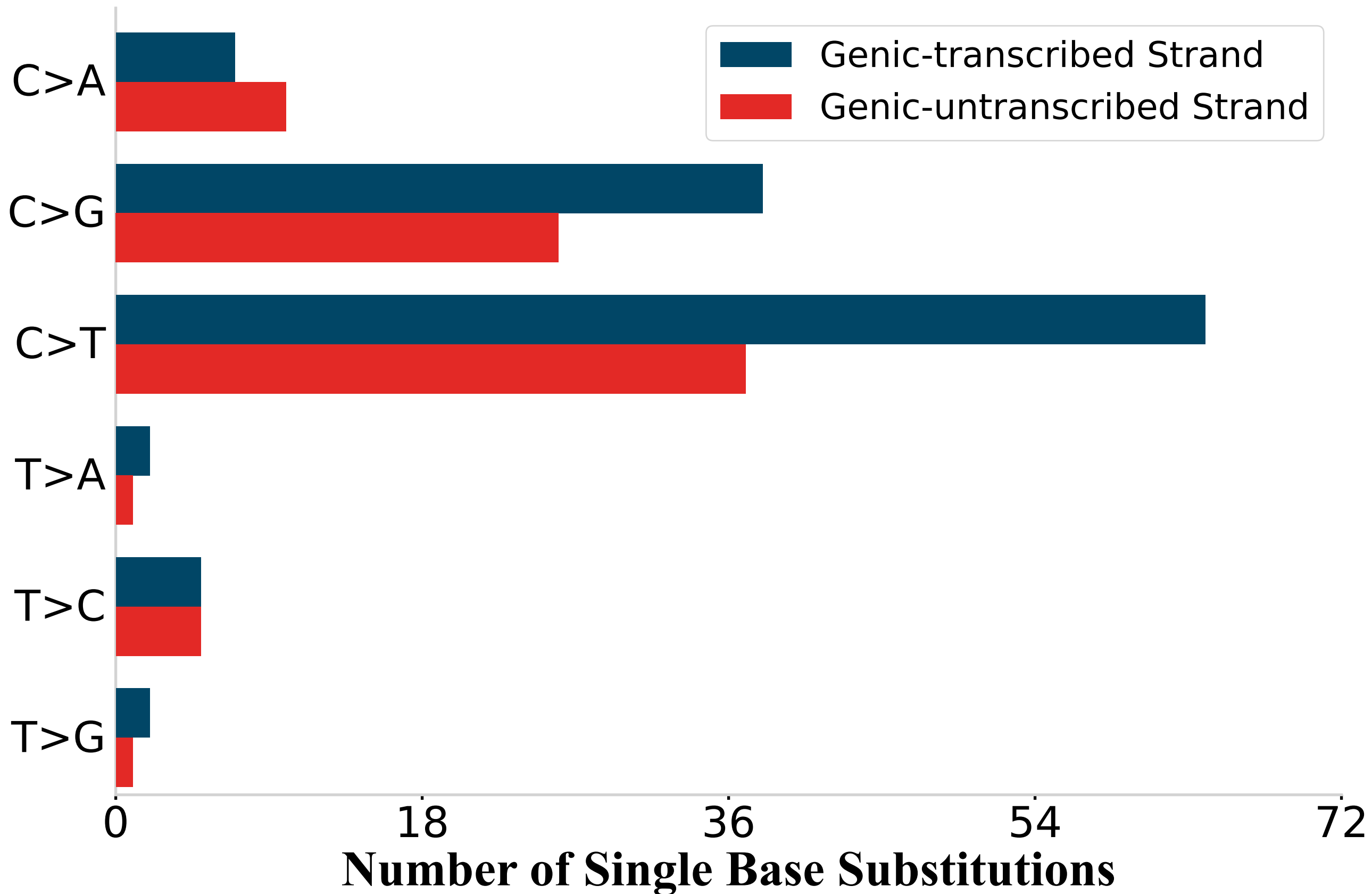
TCGA-FD-A3N5-01A-11D-A21A-08: 398 transcribed



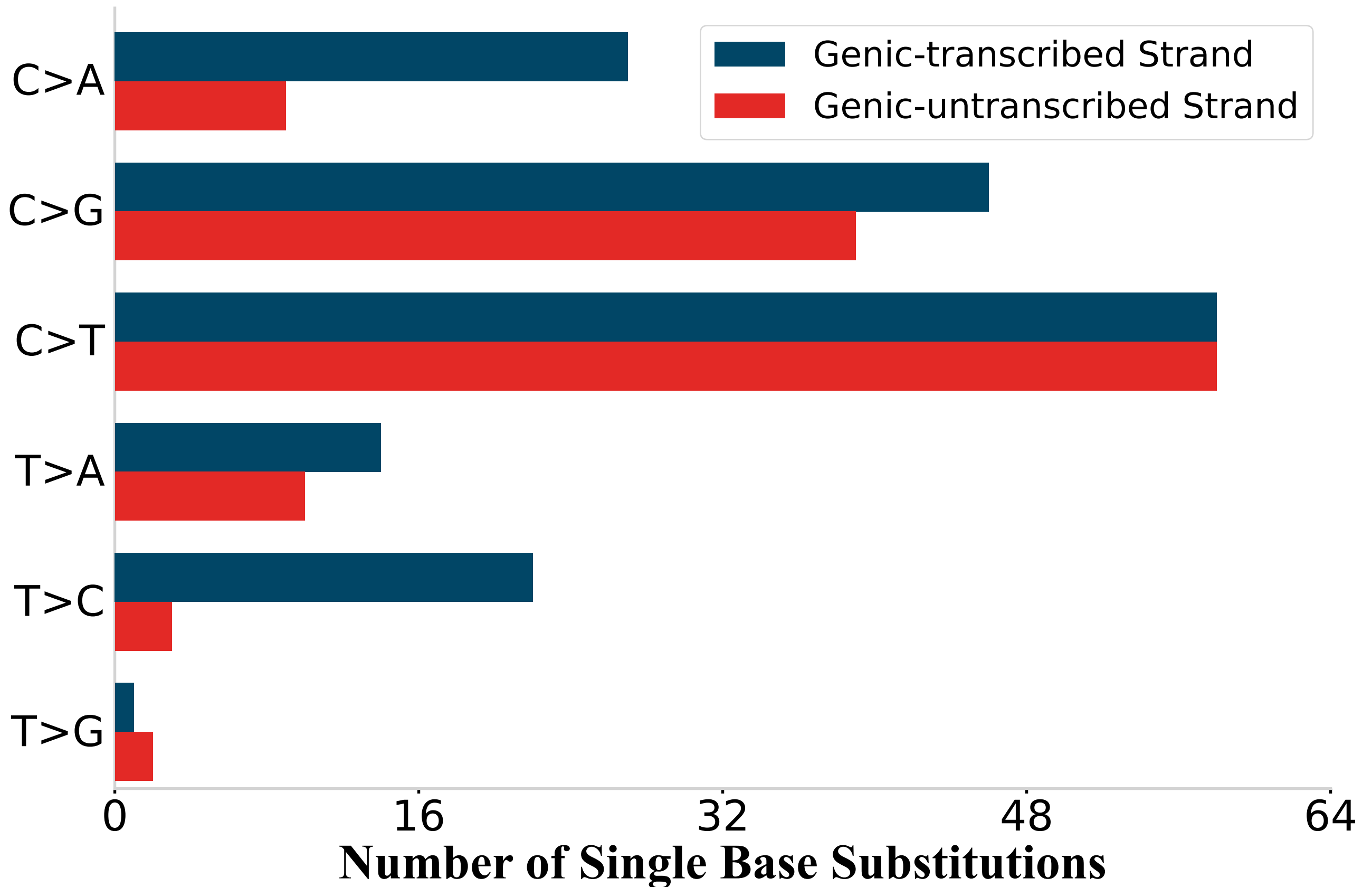
TCGA-FD-A3N6-01A-11D-A21A-08: 136 transcribed



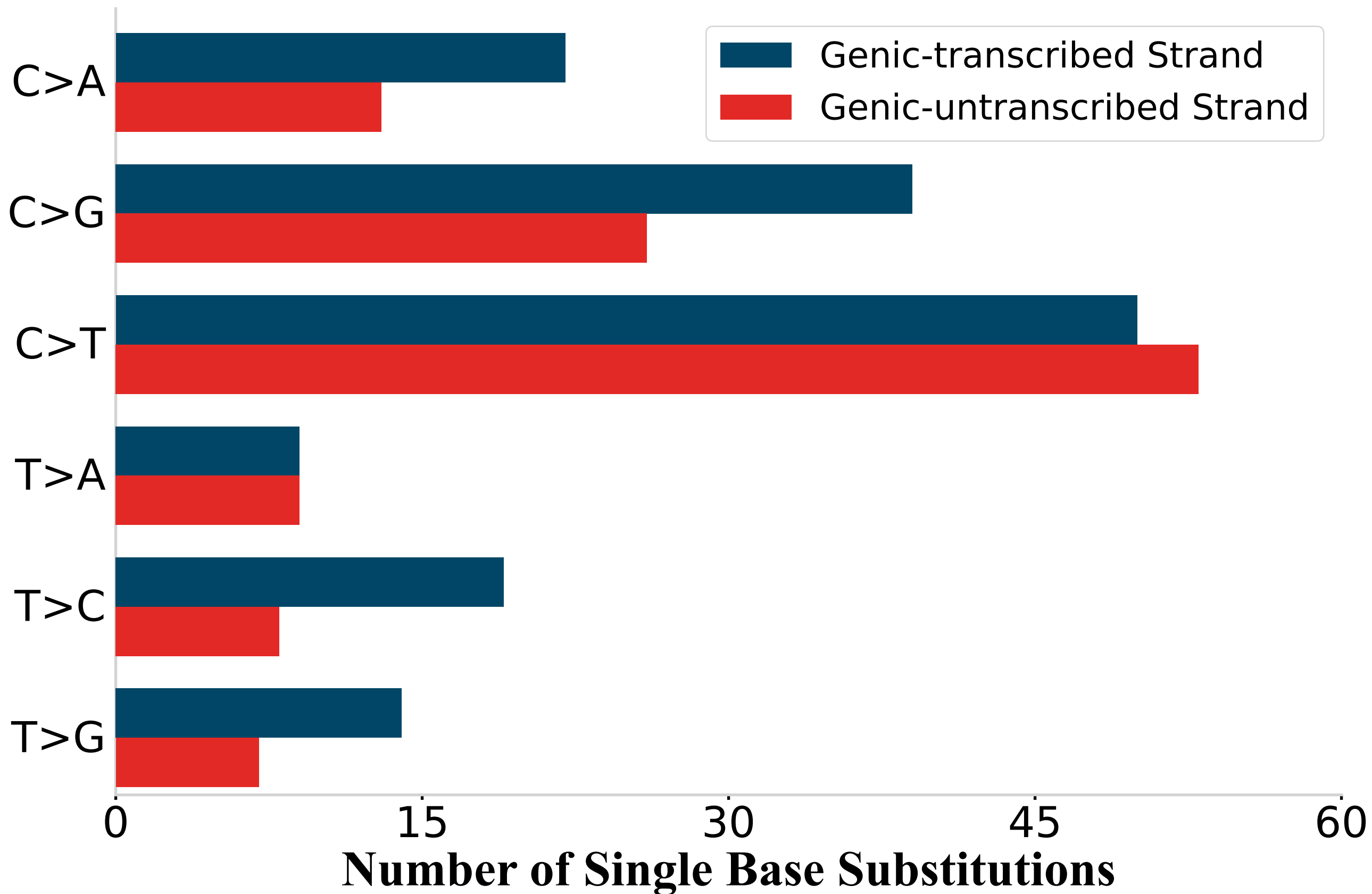
TCGA-FD-A3NA-01A-11D-A21A-08: 198 transcribed



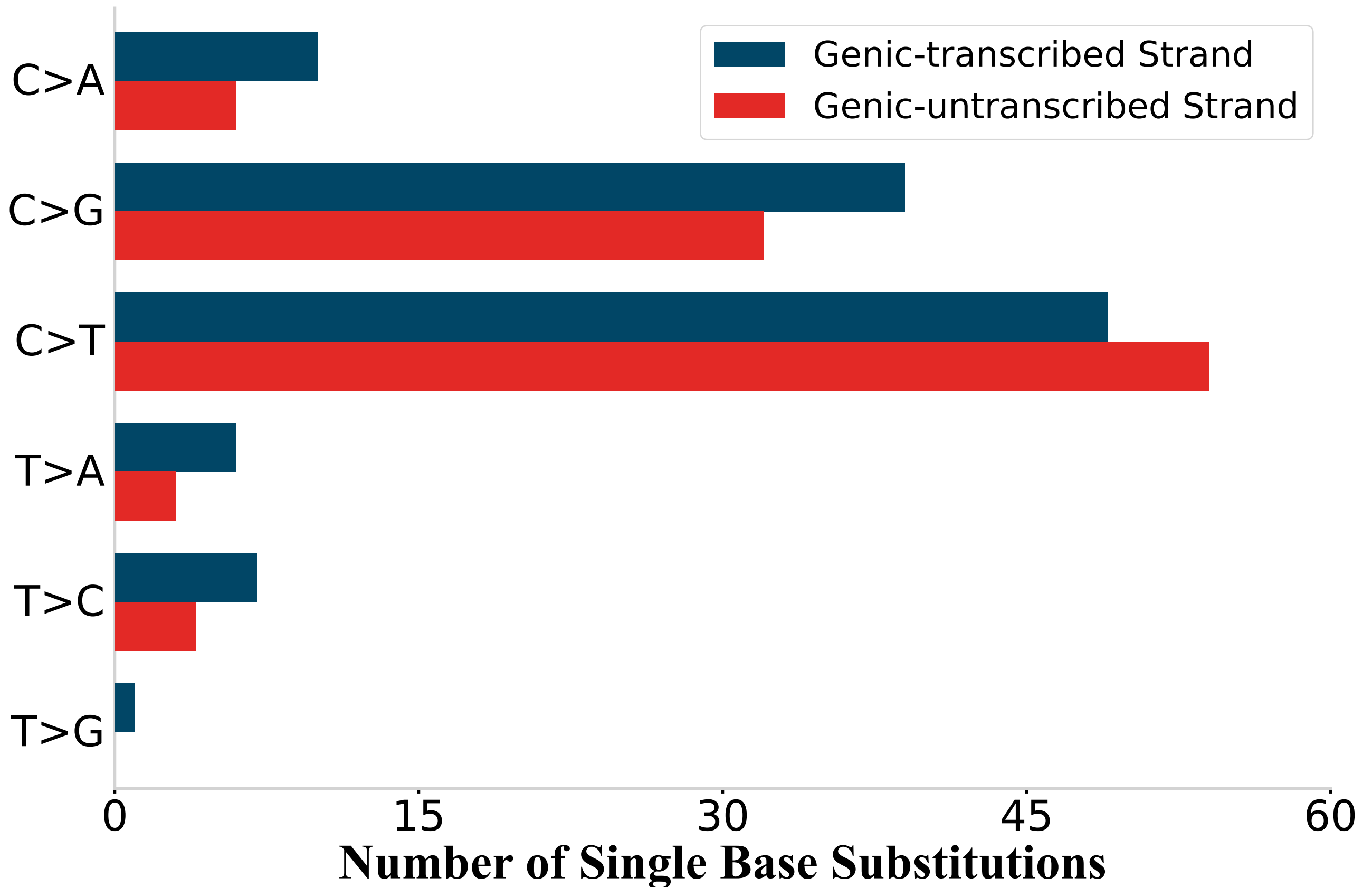
TCGA-FD-A3SJ-01A-12D-A22Z-08: 289 transcribed



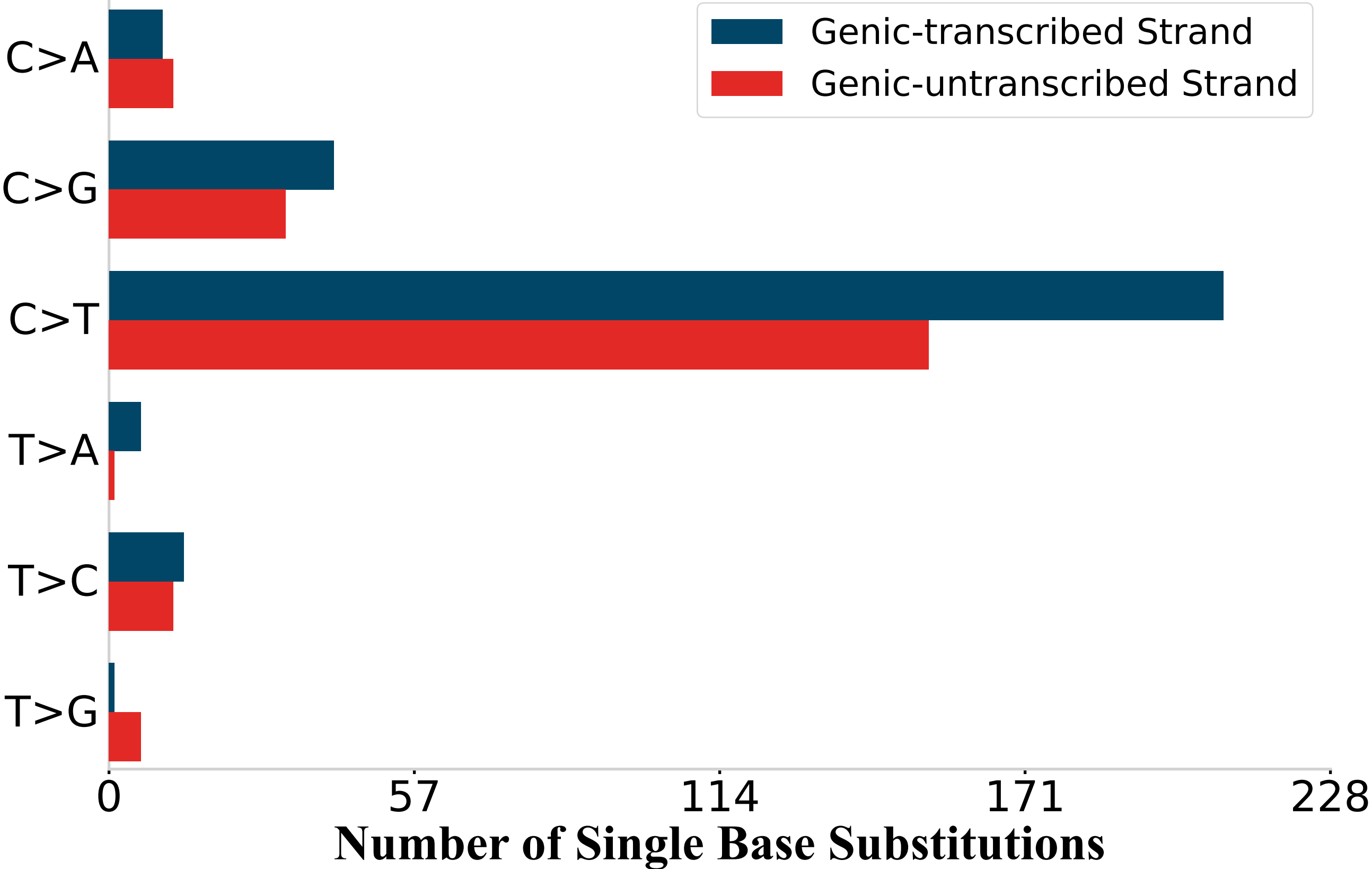
TCGA-FD-A3SL-01A-21D-A22Z-08: 269 transcribed



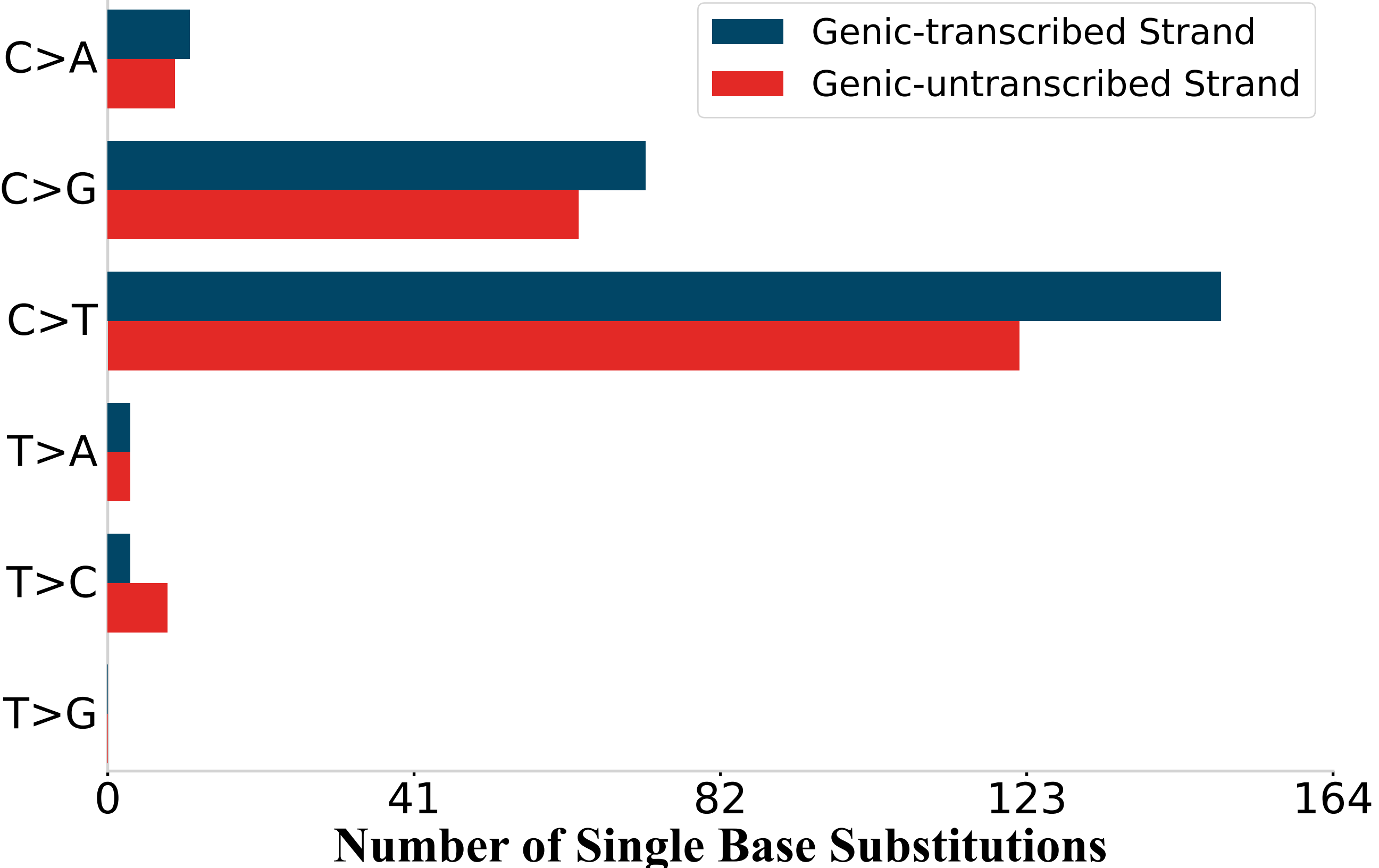
TCGA-FD-A3SM-01A-11D-A22Z-08: 211 transcribed



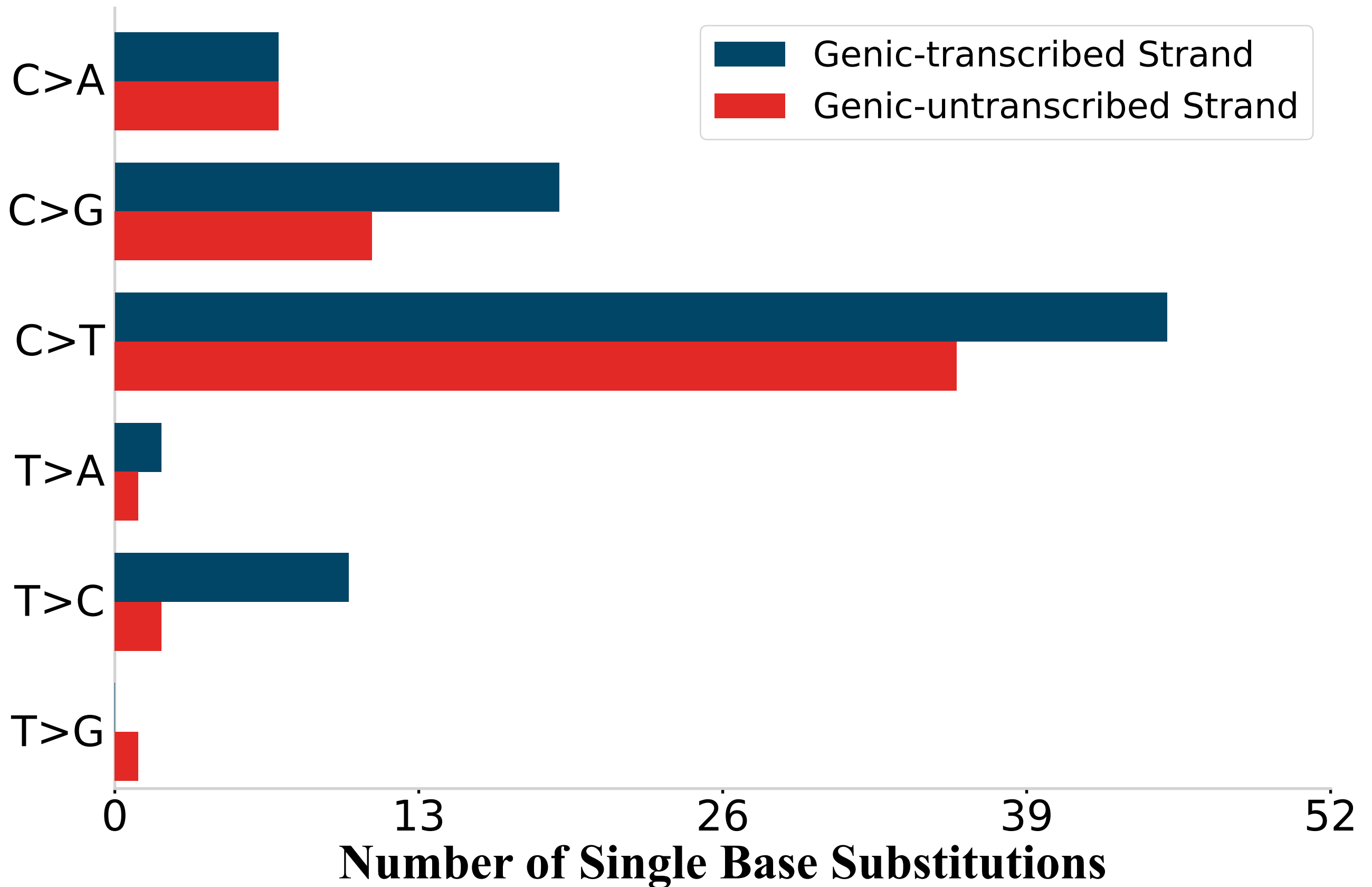
TCGA-FD-A3SN-01A-12D-A22Z-08: 498 transcribed



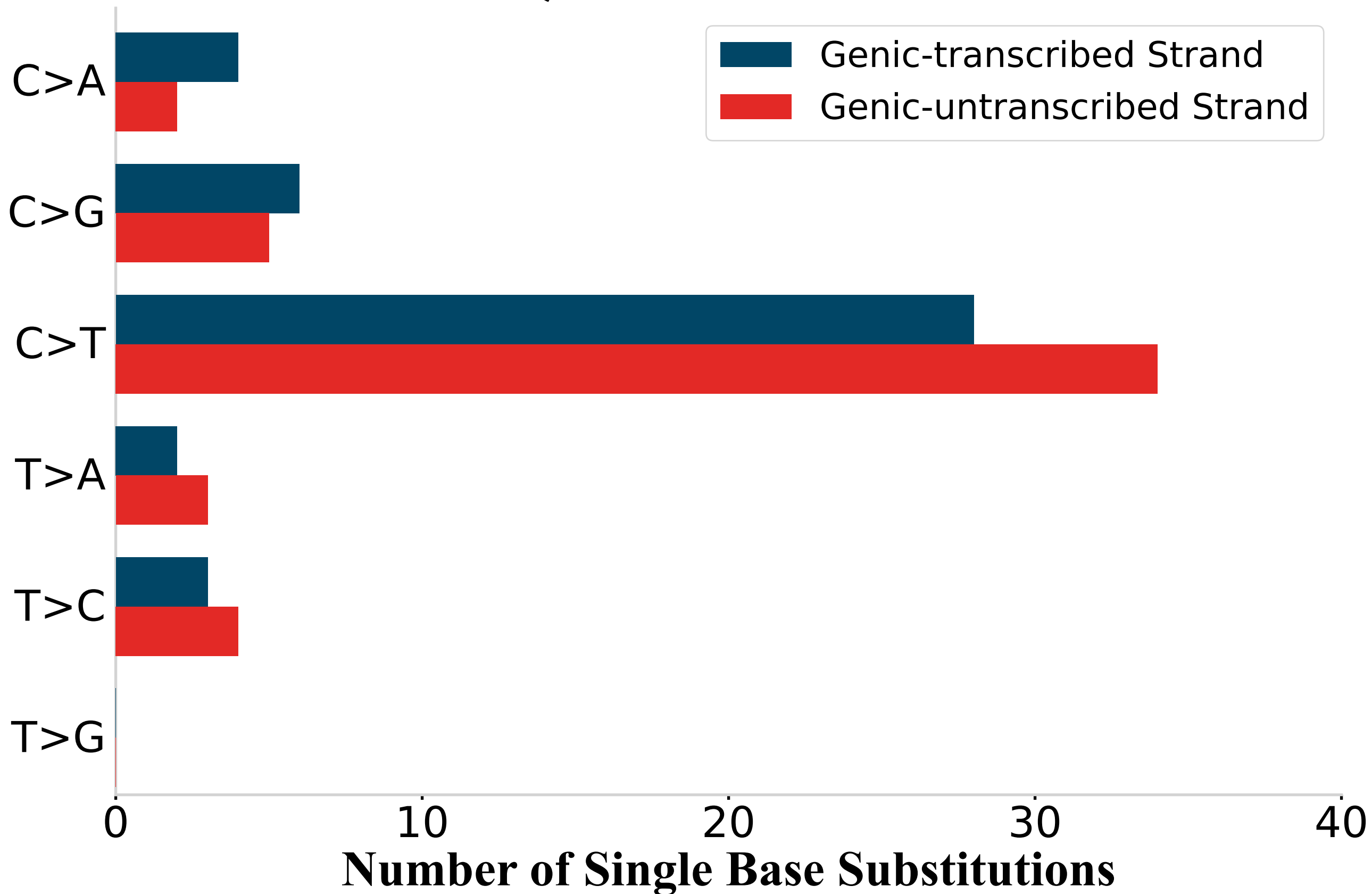
TCGA-FD-A3SO-01A-11D-A22Z-08: 443 transcribed



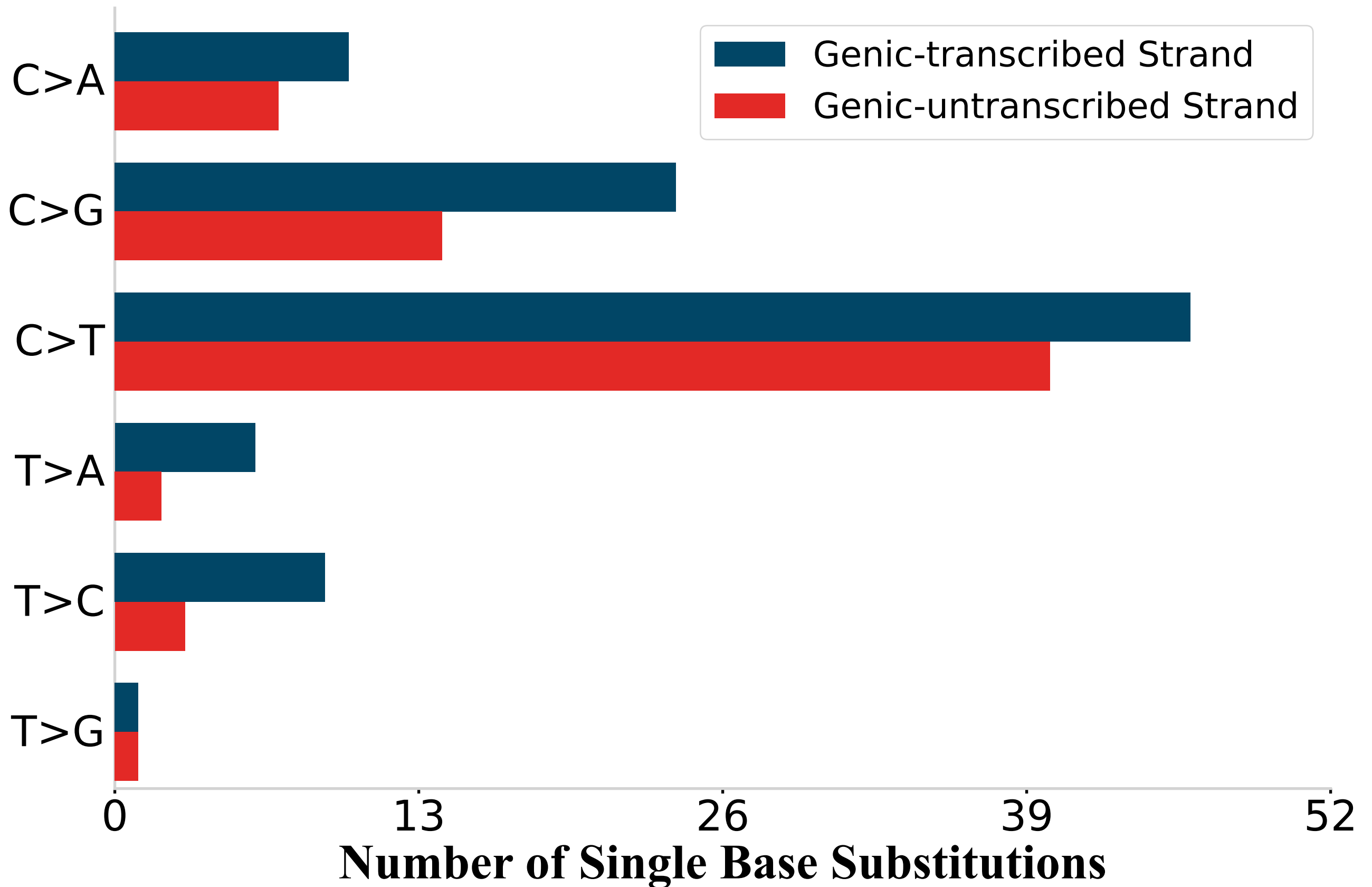
TCGA-FD-A3SP-01A-31D-A22Z-08: 141 transcribed



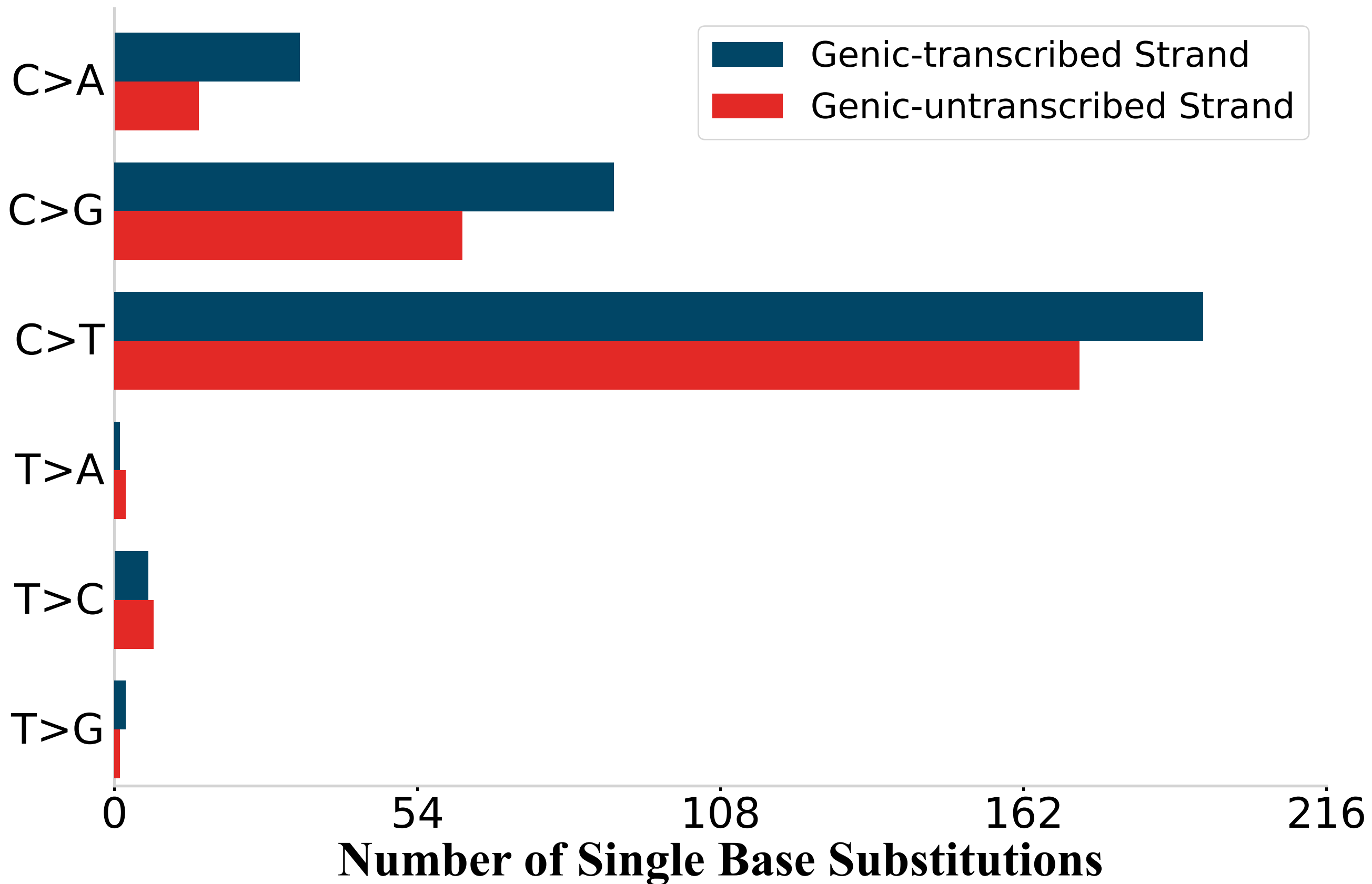
TCGA-FD-A3SQ-01A-21D-A22Z-08: 91 transcribed



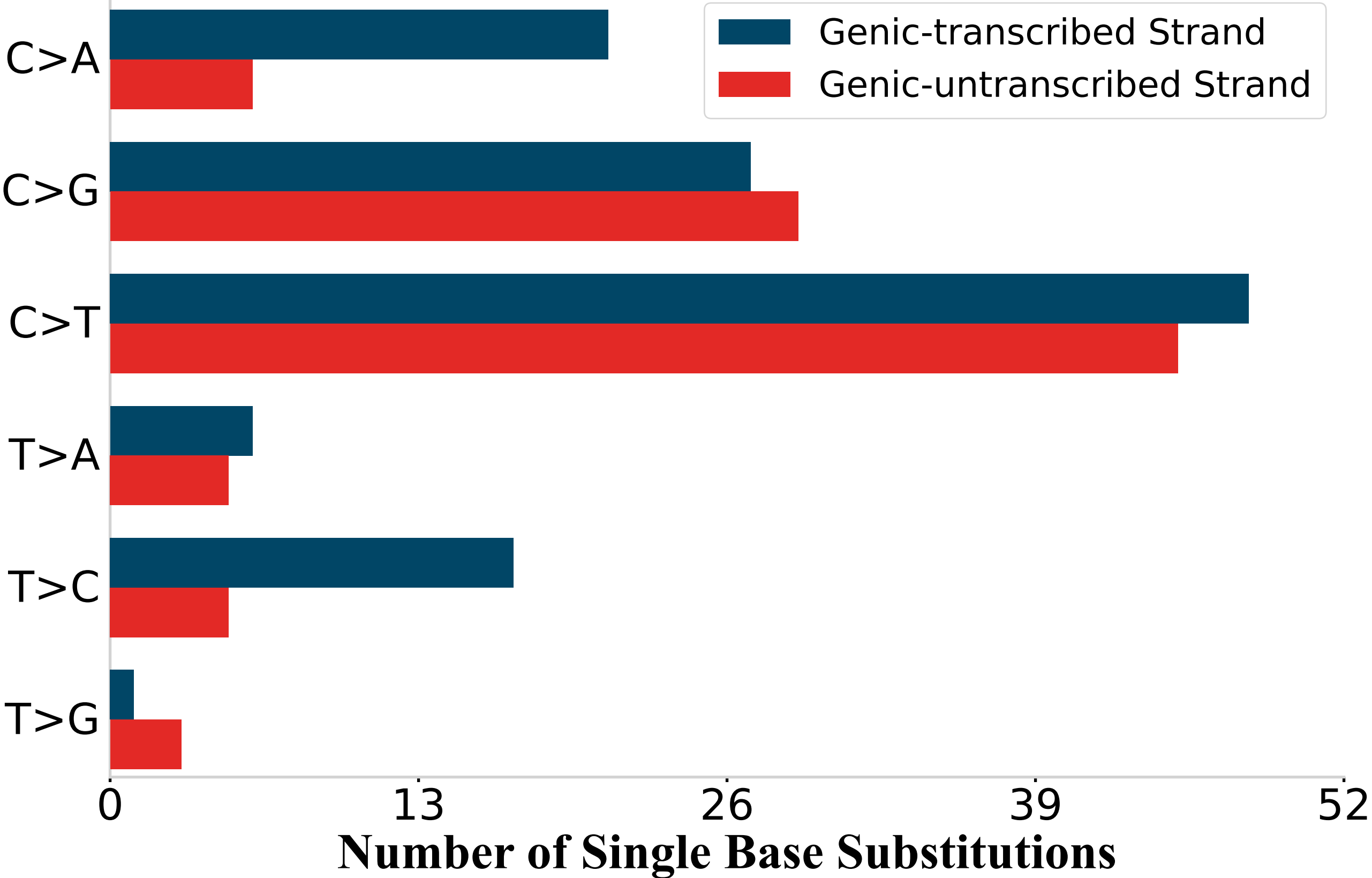
TCGA-FD-A3SR-01A-11D-A22Z-08: 163 transcribed



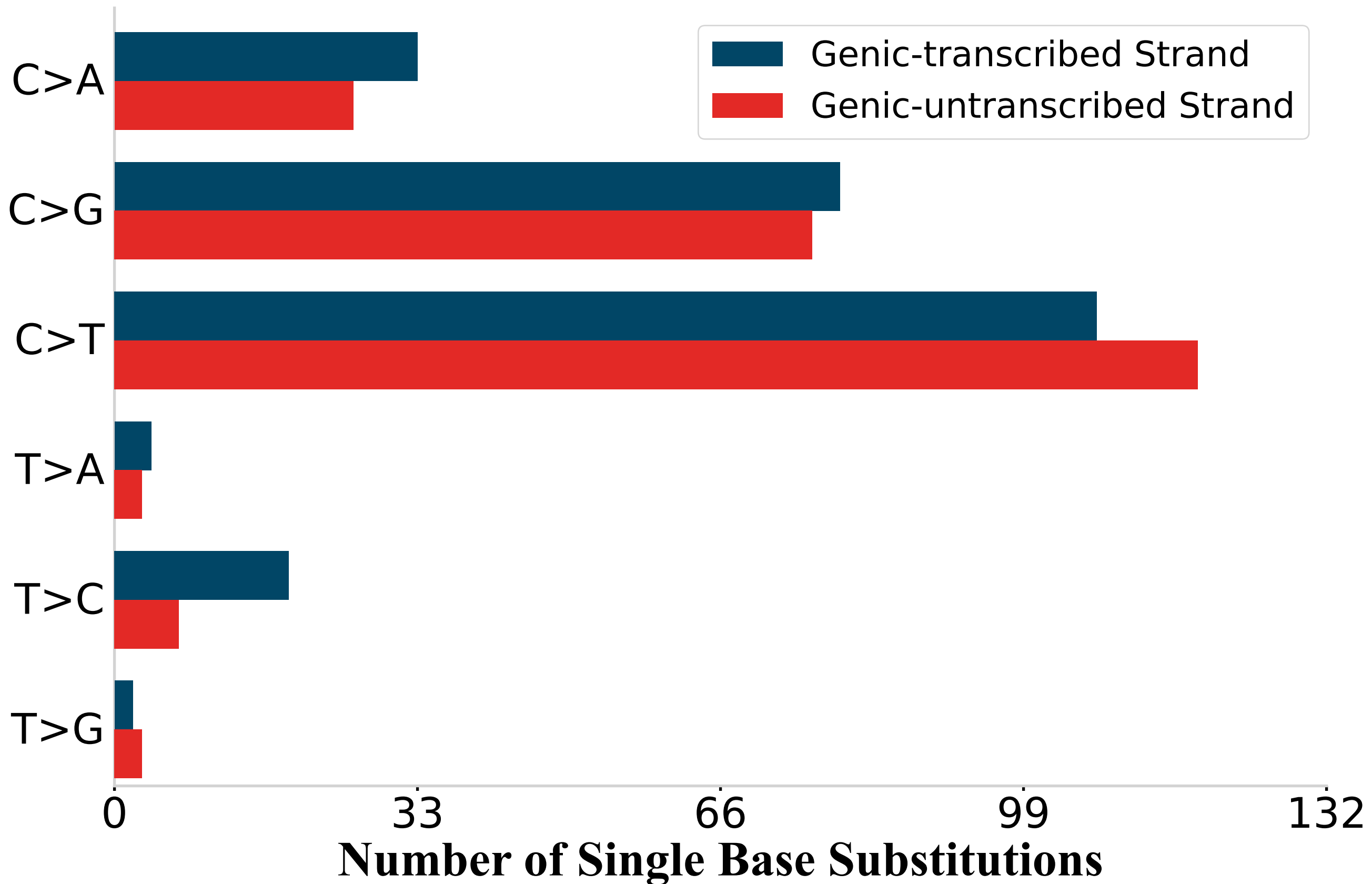
TCGA-FD-A3SS-01A-12D-A22Z-08: 584 transcribed



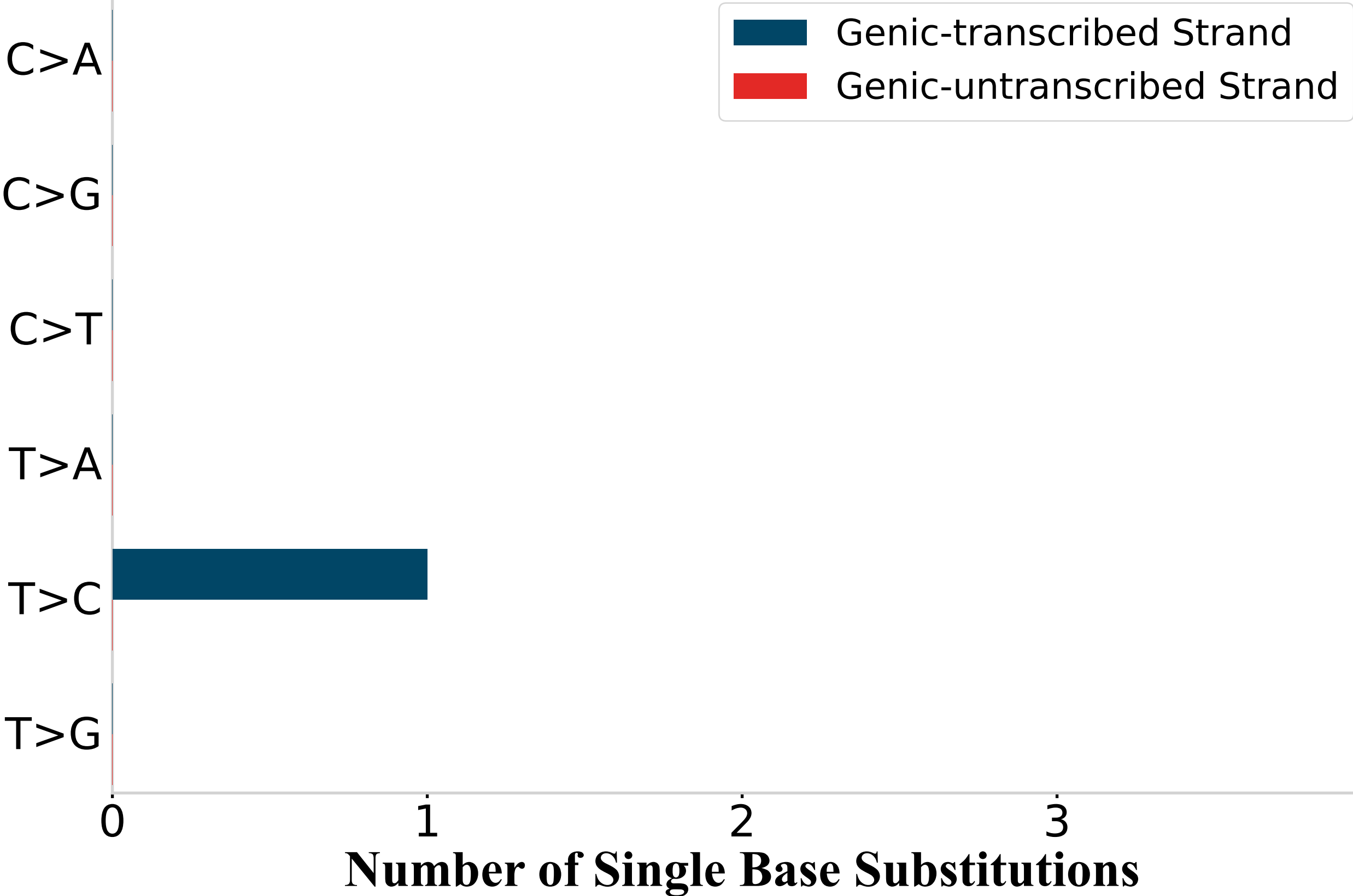
TCGA-FD-A43N-01A-11D-A23U-08: 213 transcribed



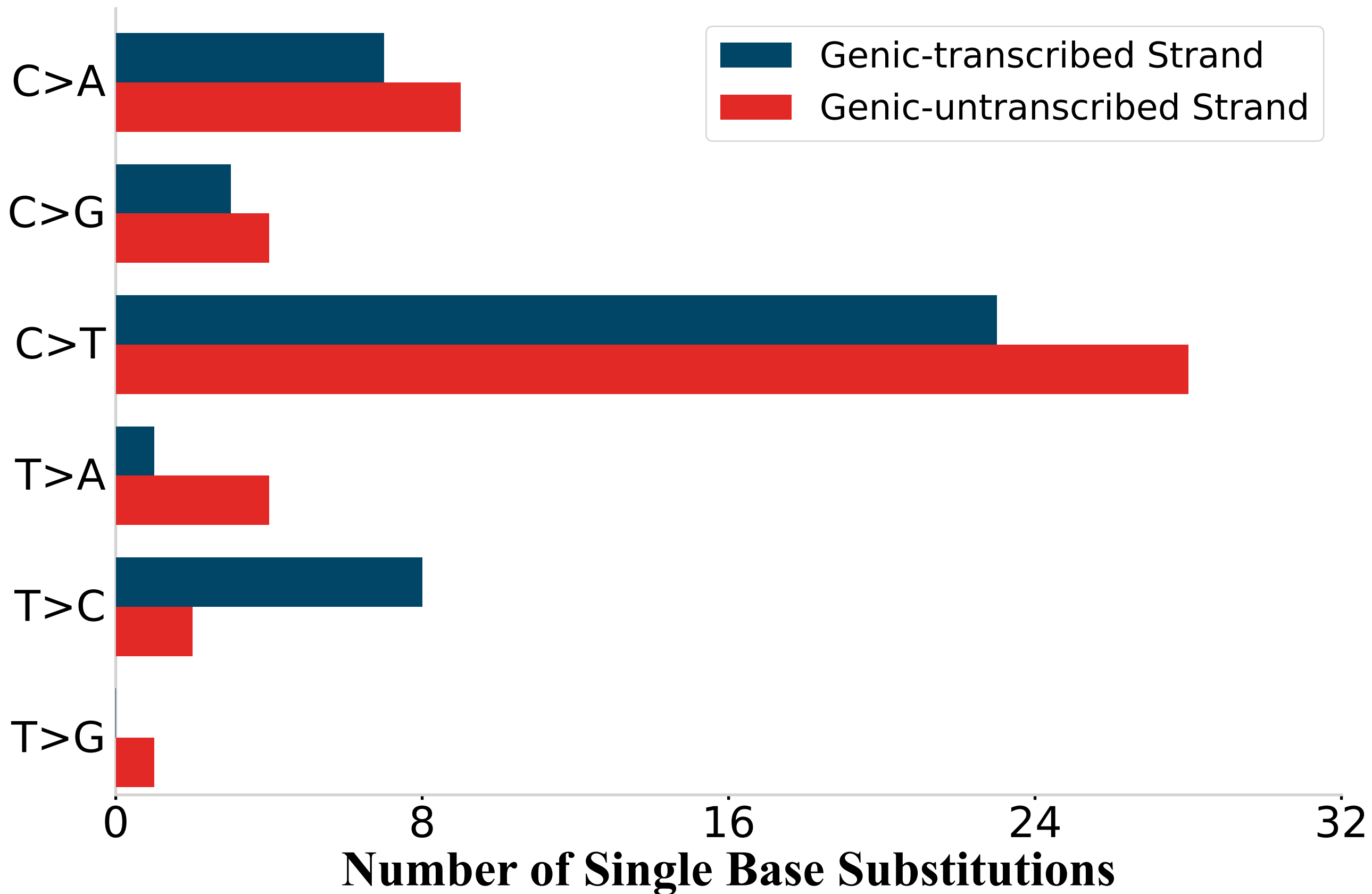
TCGA-FD-A43P-01A-31D-A23U-08: 477 transcribed



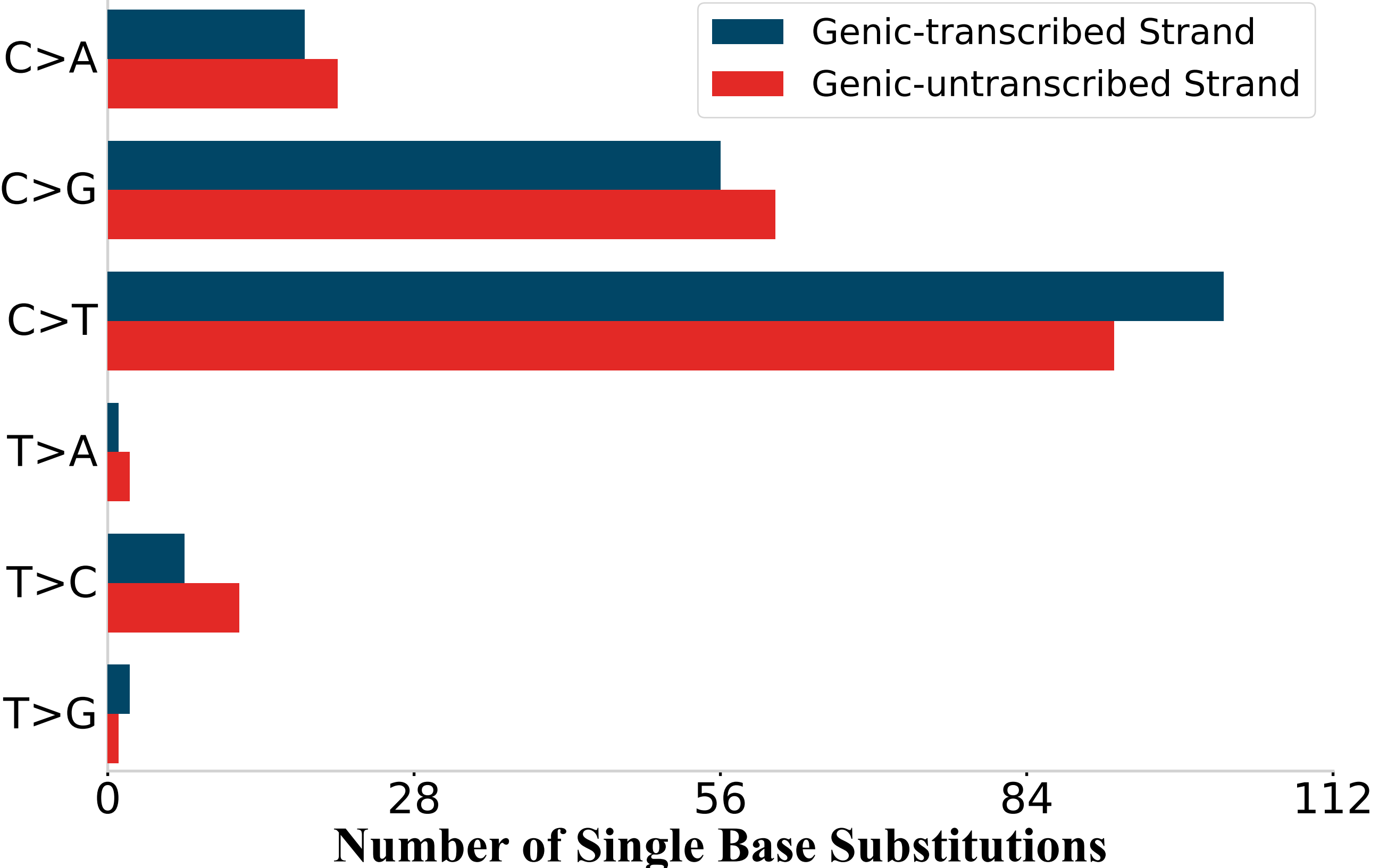
TCGA-FD-A43S-01A-21D-A23U-08: 1 transcribed s



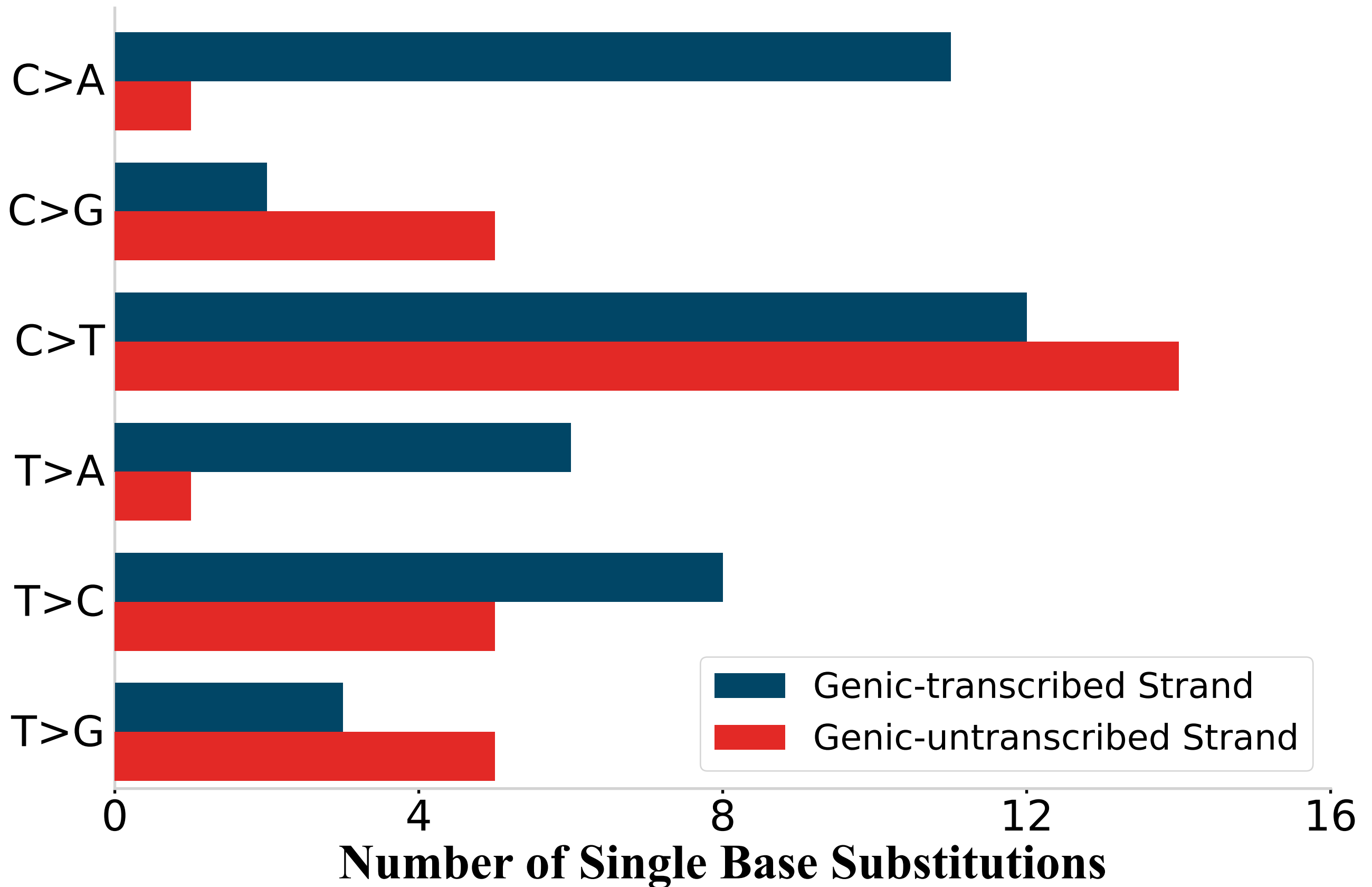
TCGA-FD-A43U-01A-11D-A23U-08: 90 transcribed



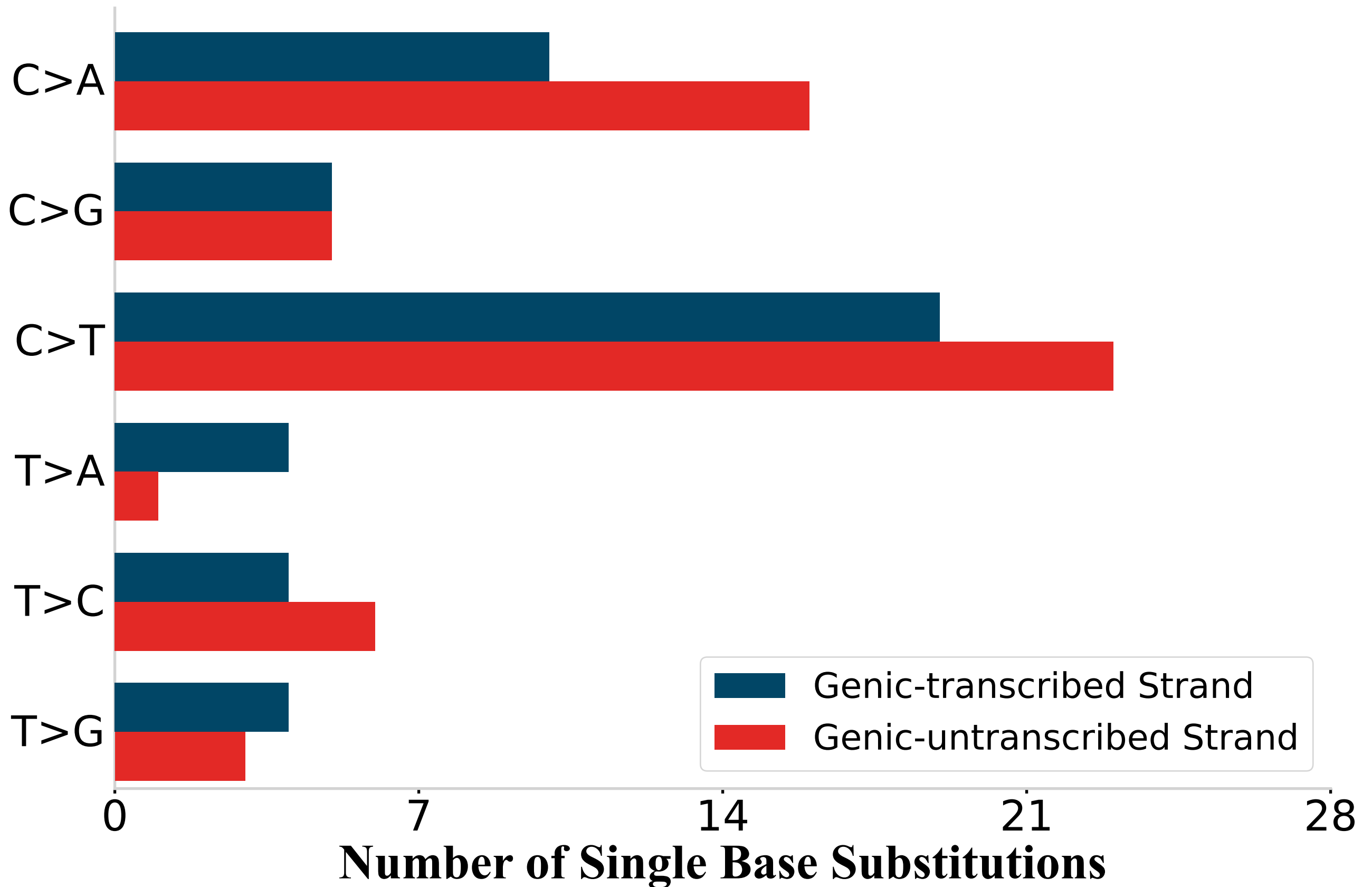
TCGA-FD-A43X-01A-11D-A23U-08: 375 transcribed



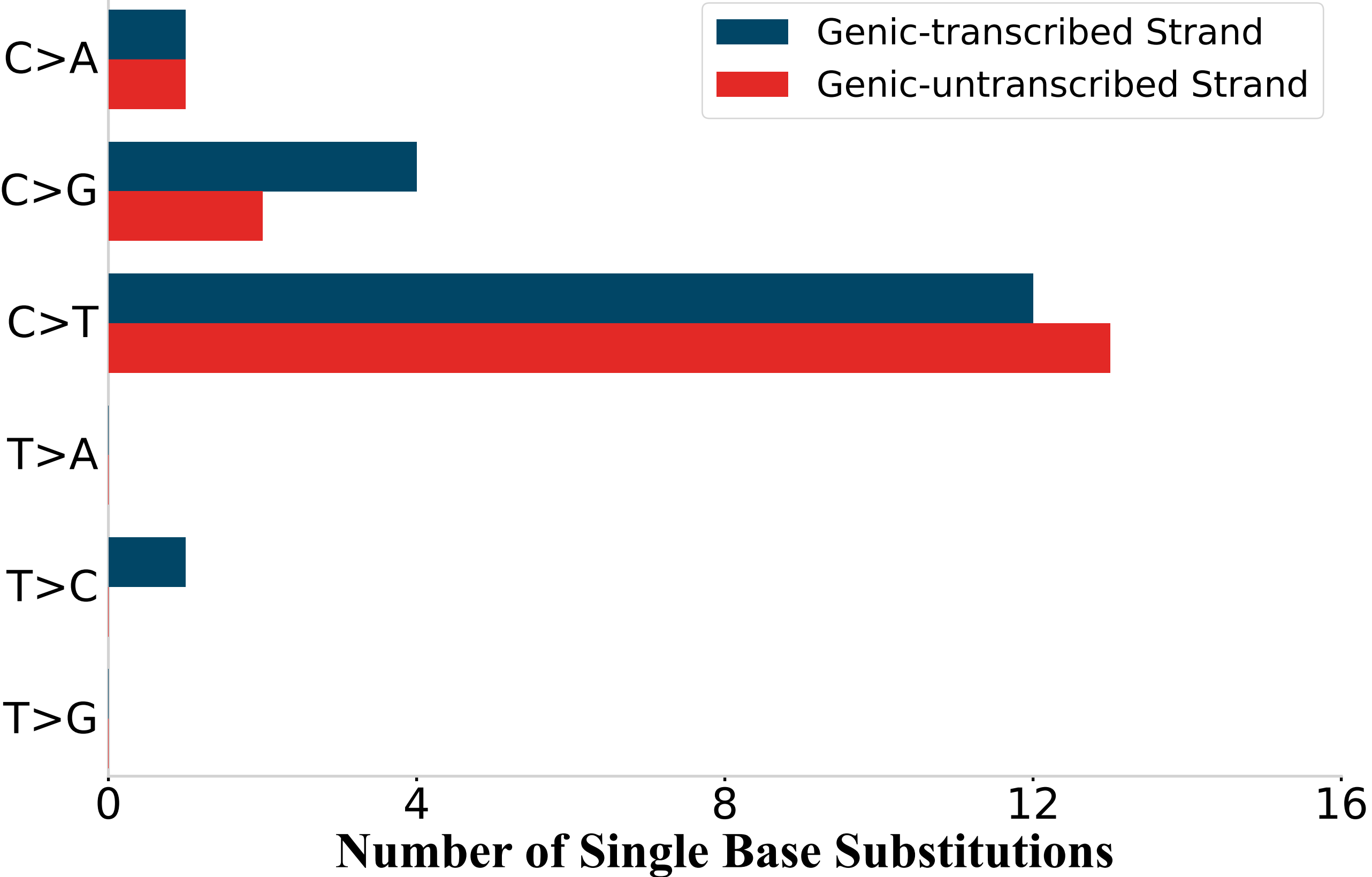
TCGA-FD-A43Y-01A-21D-A26M-08: 73 transcribed



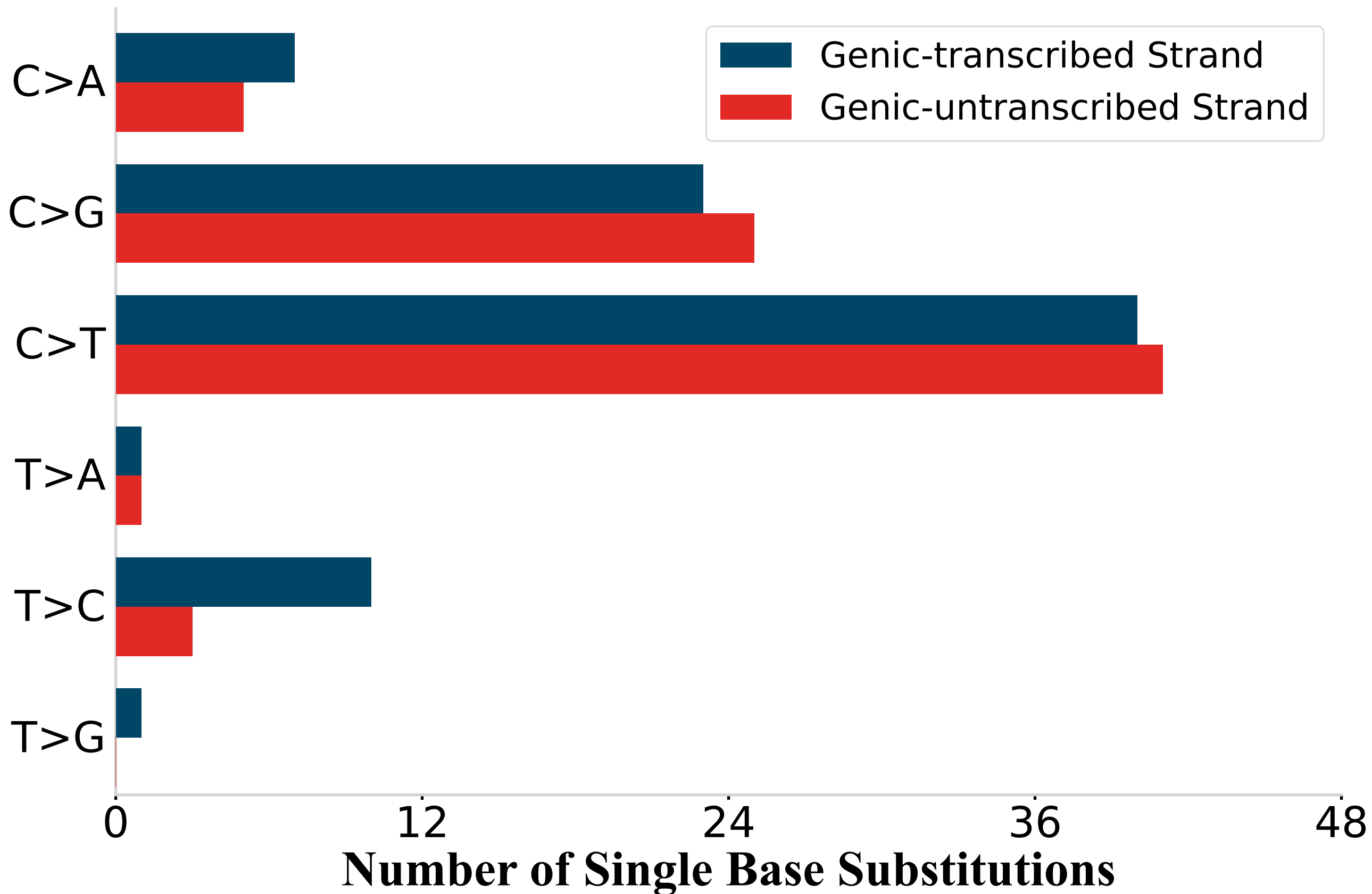
TCGA-FD-A5BR-01A-11D-A26M-08: 100 transcribe



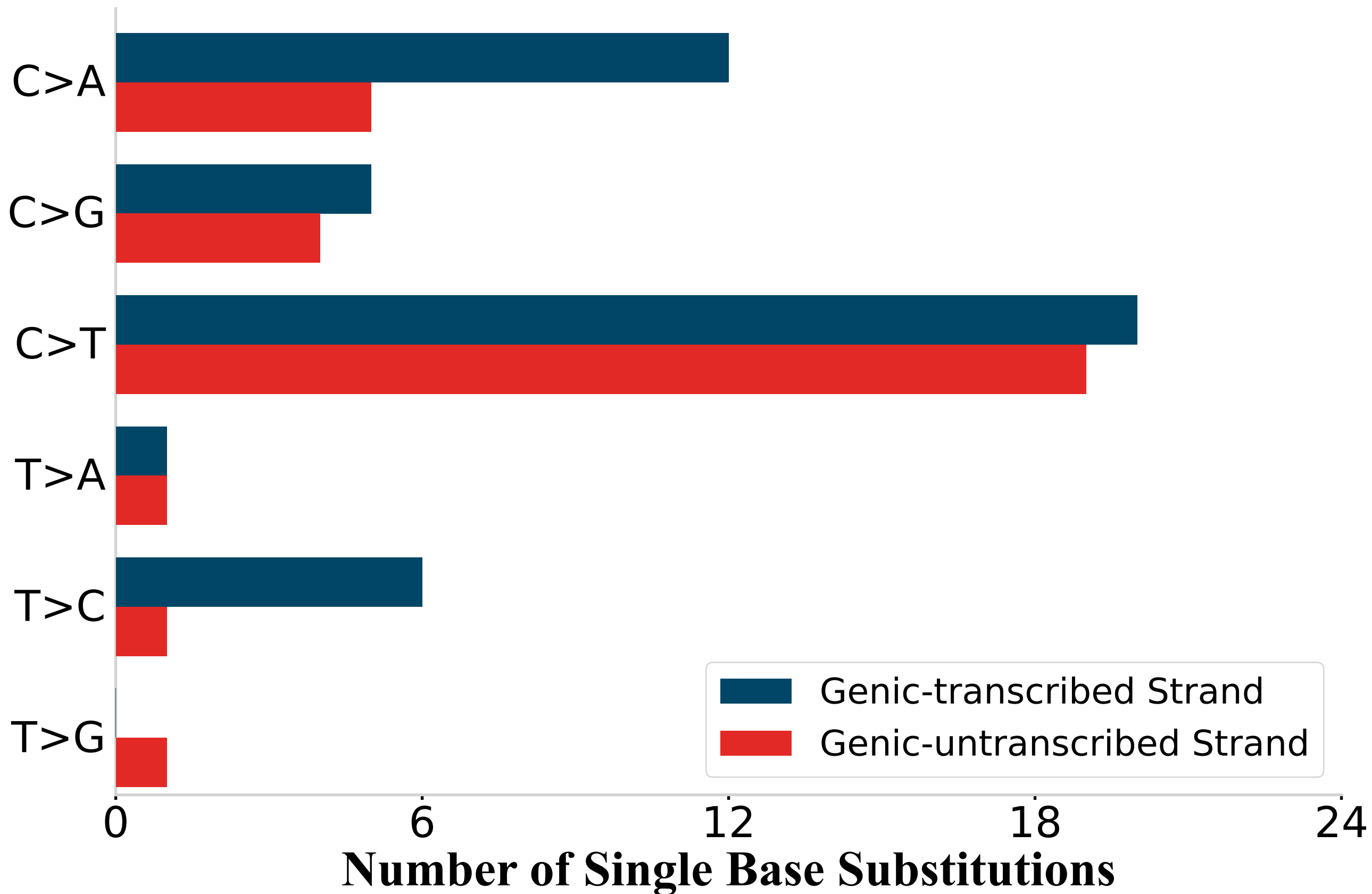
TCGA-FD-A5BS-01A-21D-A26M-08: 34 transcribed



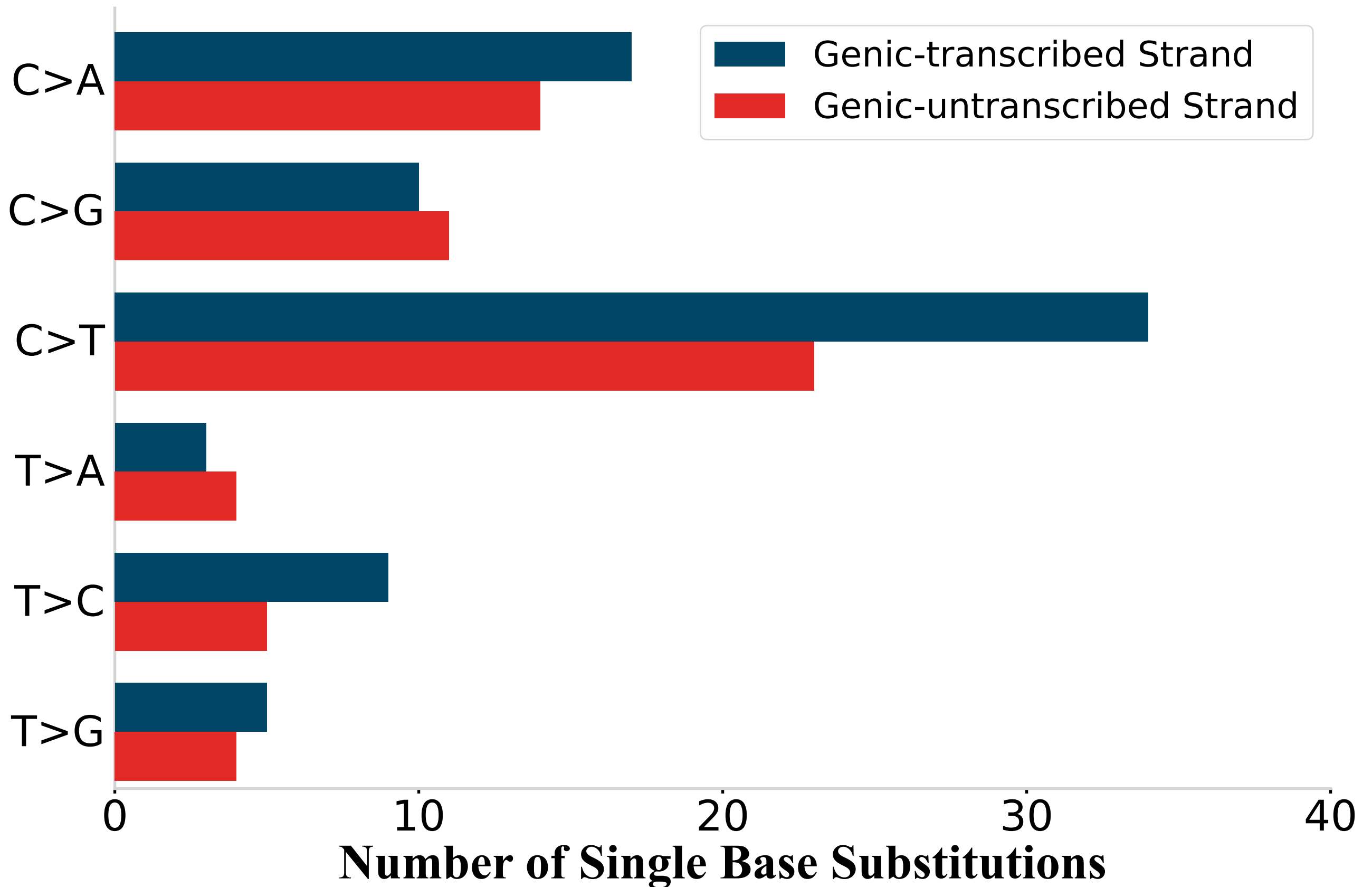
TCGA-FD-A5BT-01A-11D-A26M-08: 157 transcribed



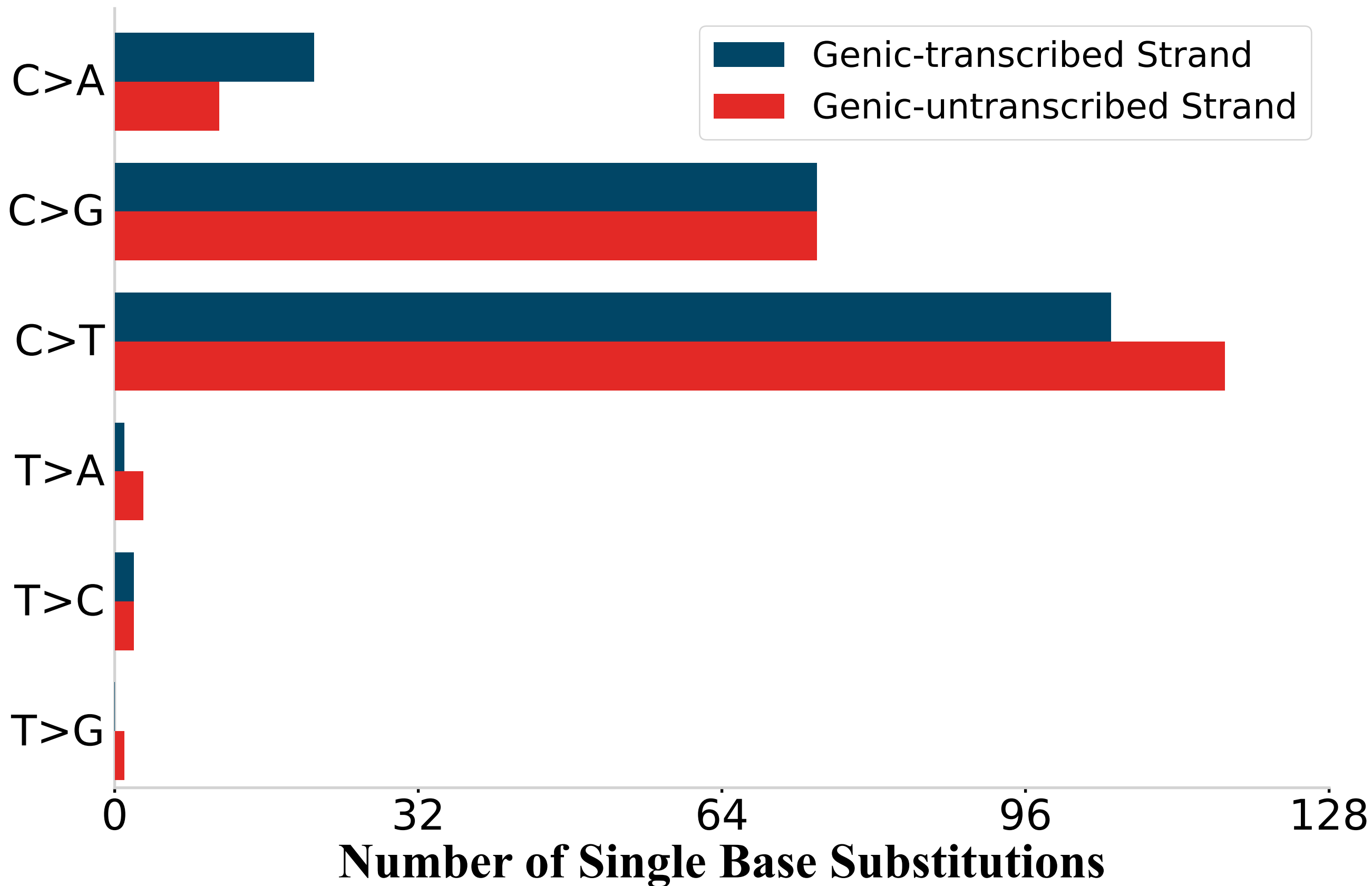
TCGA-FD-A5BU-01A-31D-A26M-08: 75 transcribed



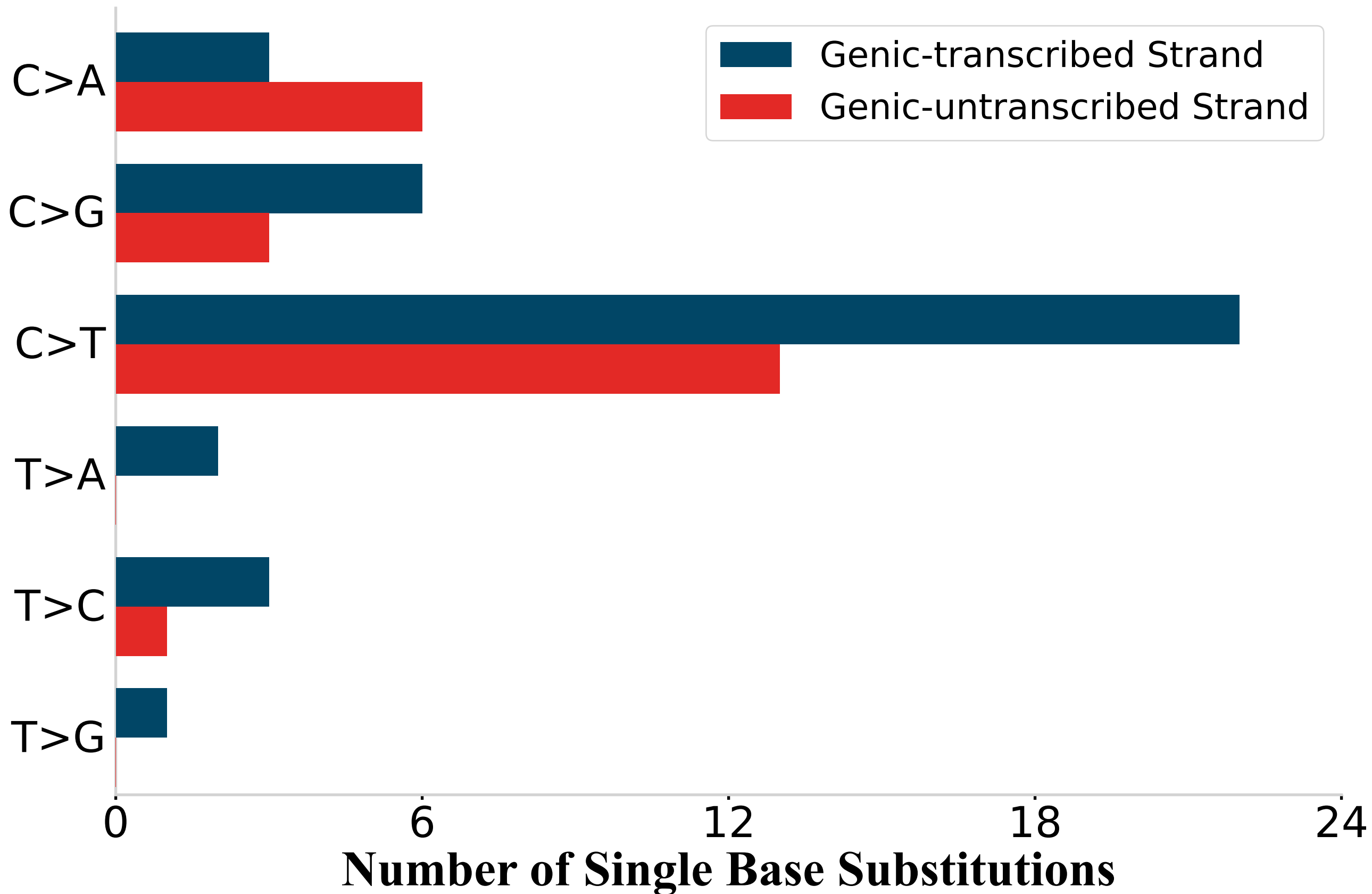
TCGA-FD-A5BV-01A-11D-A26M-08: 139 transcribe



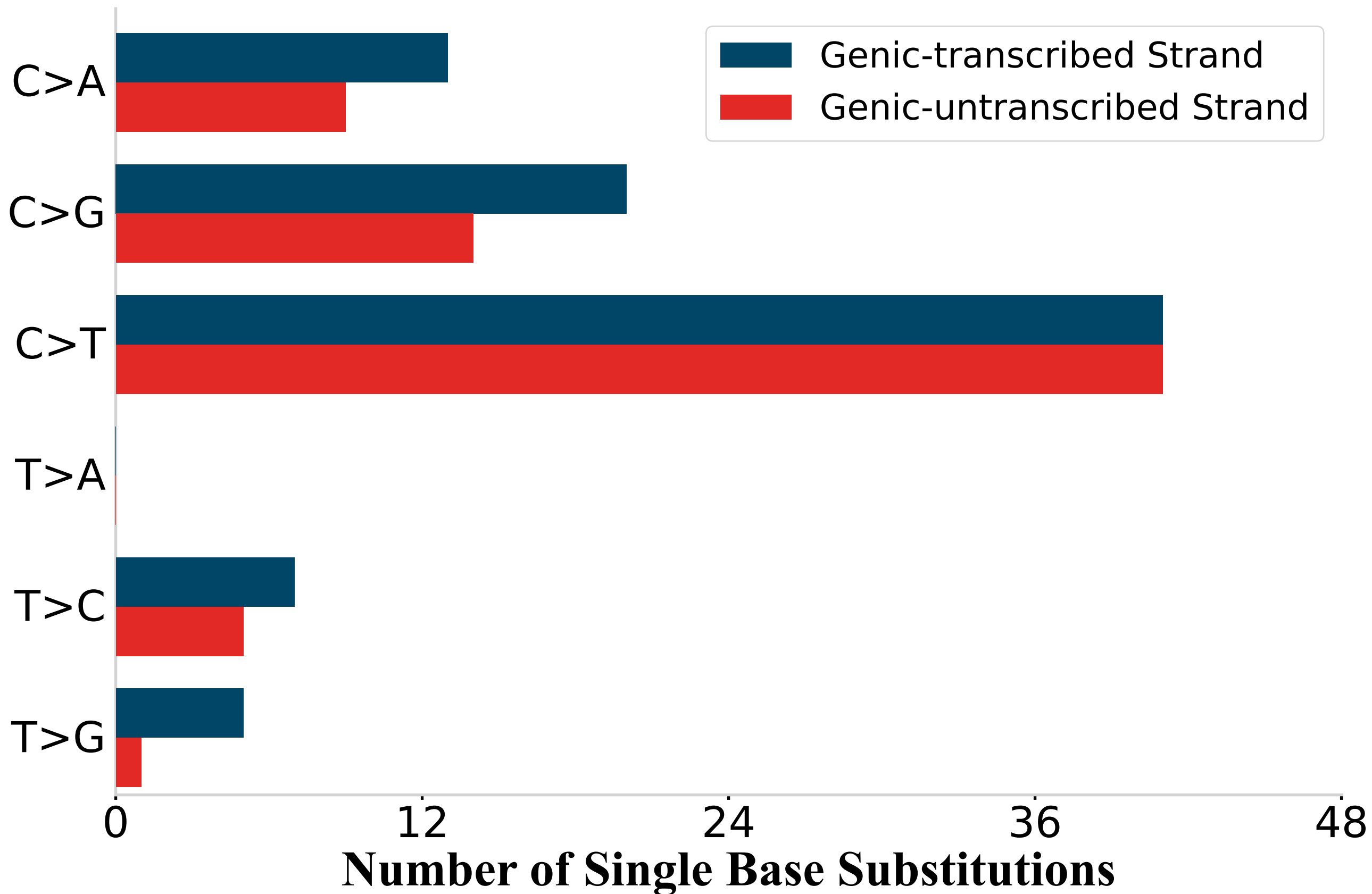
TCGA-FD-A5BX-01A-11D-A26M-08: 411 transcribed



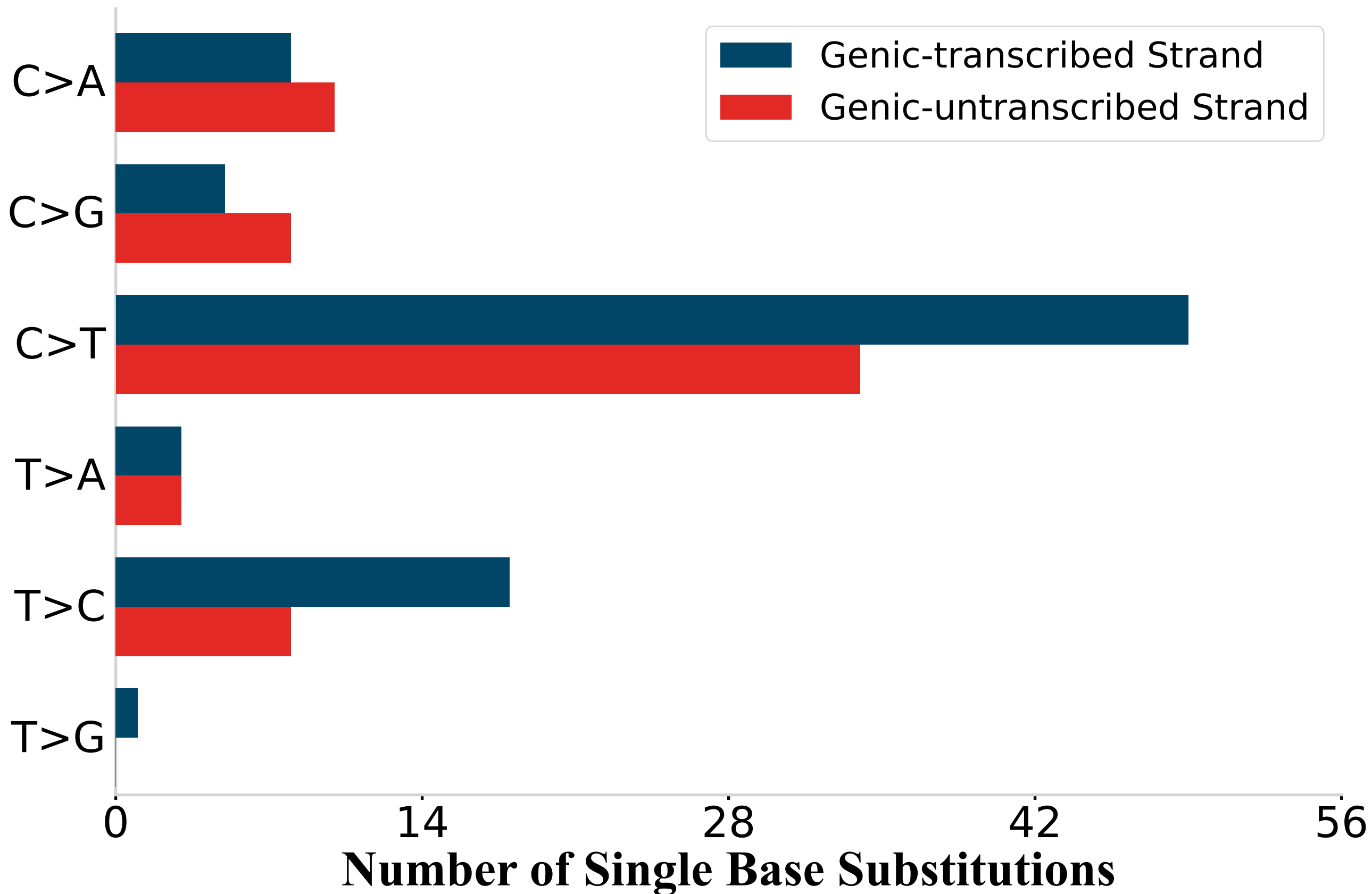
TCGA-FD-A5BY-01A-31D-A289-08: 60 transcribed



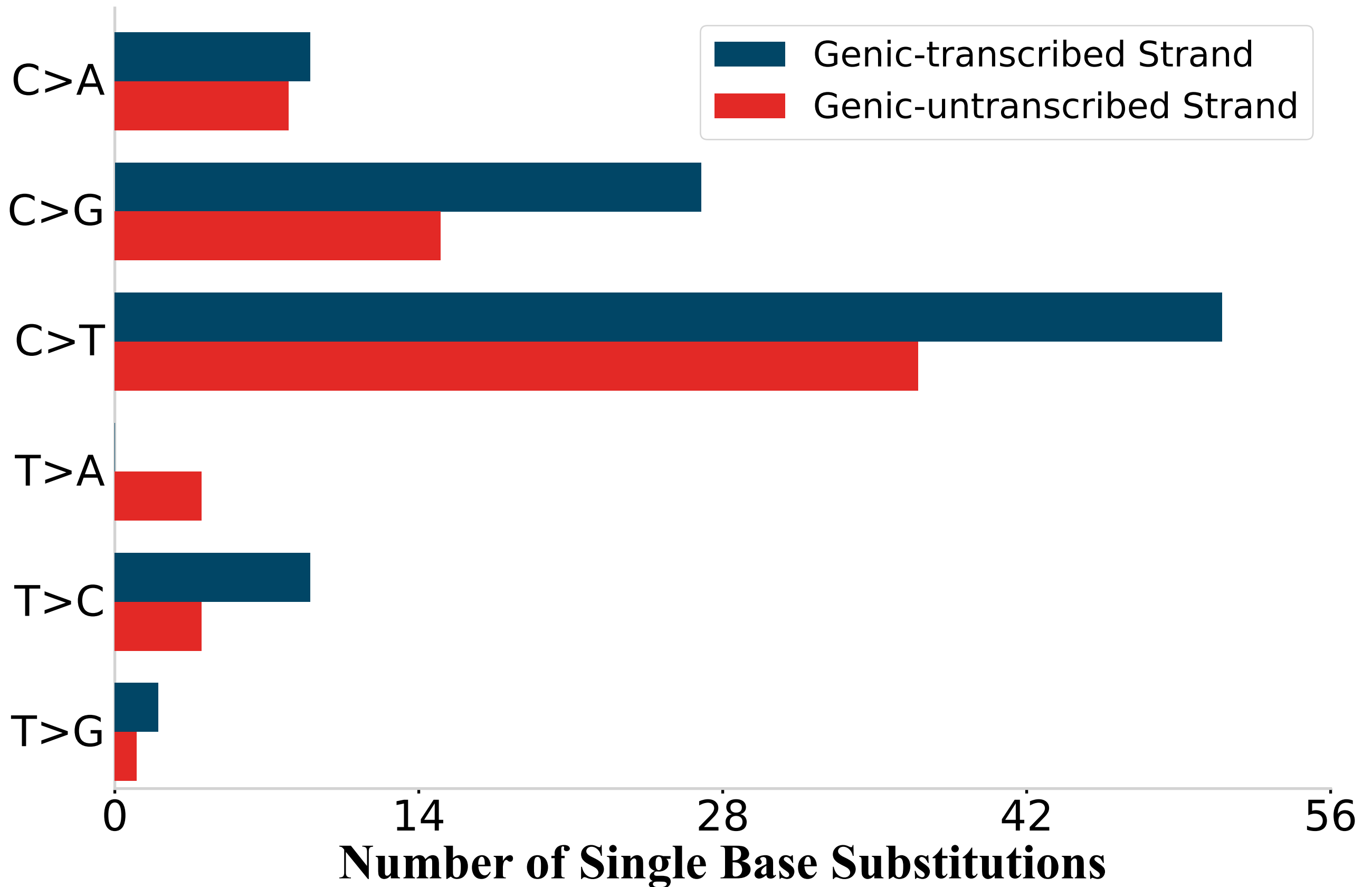
TCGA-FD-A5BZ-01A-11D-A289-08: 156 transcribed



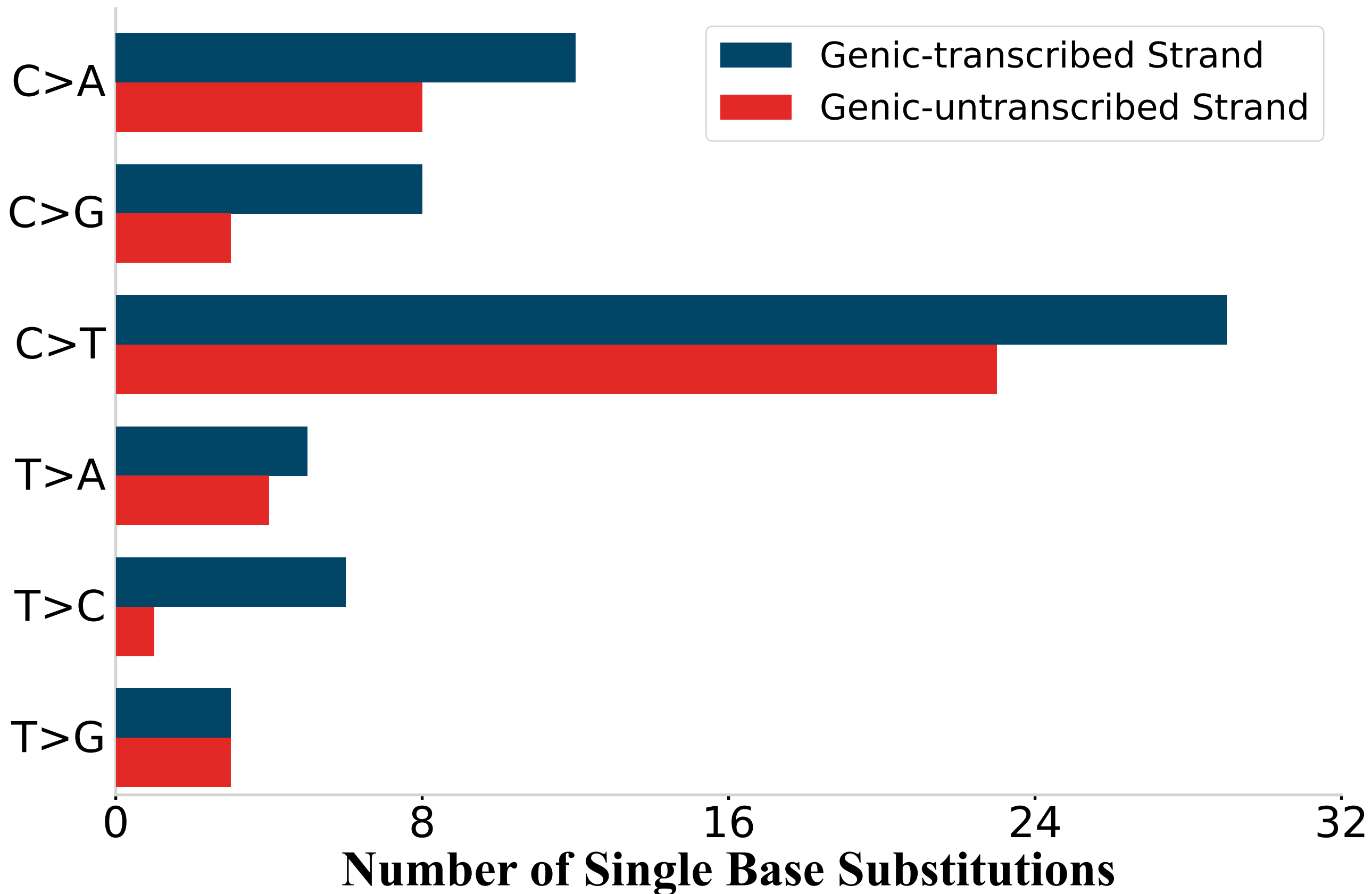
TCGA-FD-A5C0-01A-11D-A289-08: 147 transcribed



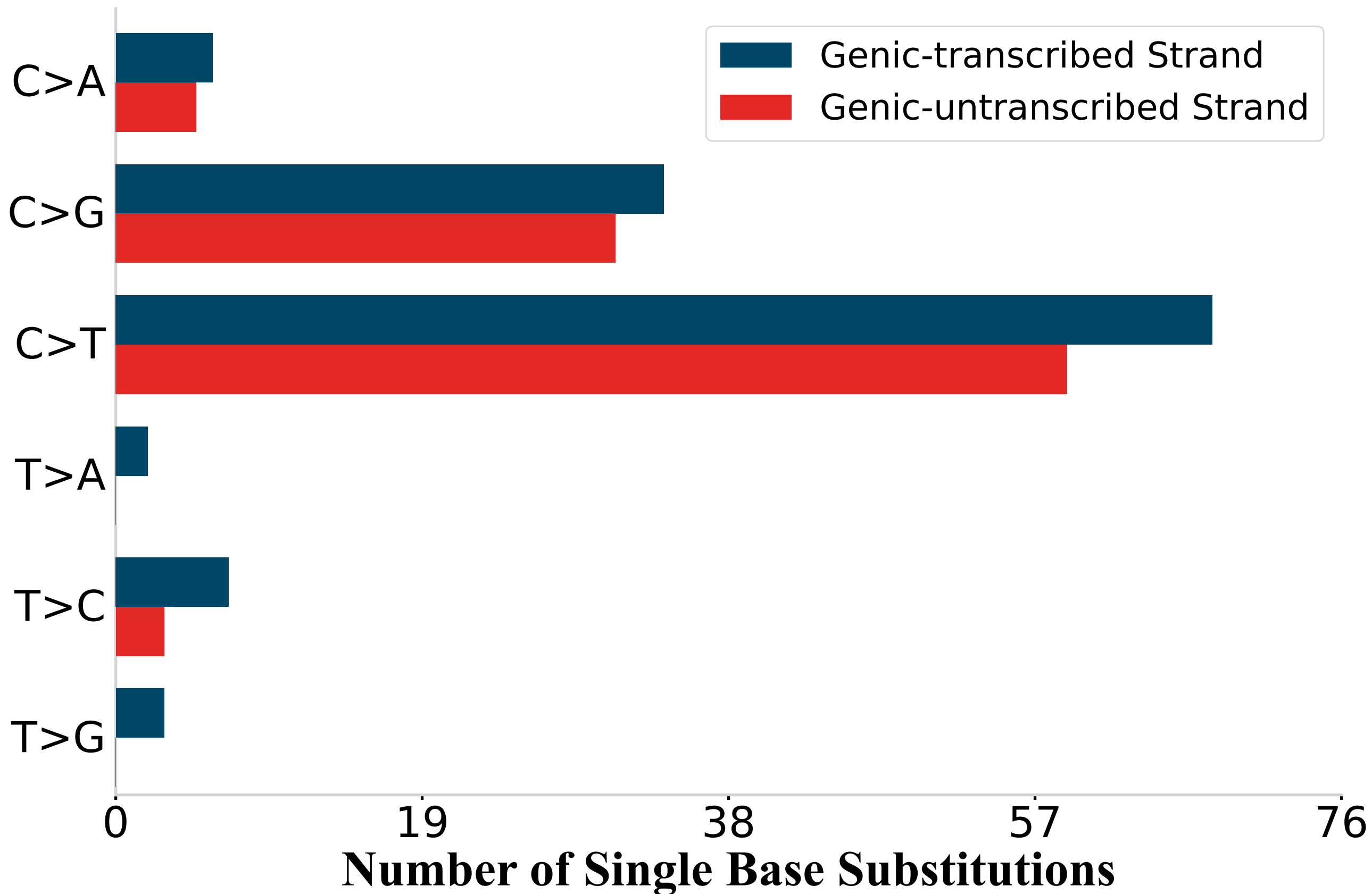
TCGA-FD-A5C1-01A-11D-A289-08: 167 transcribed



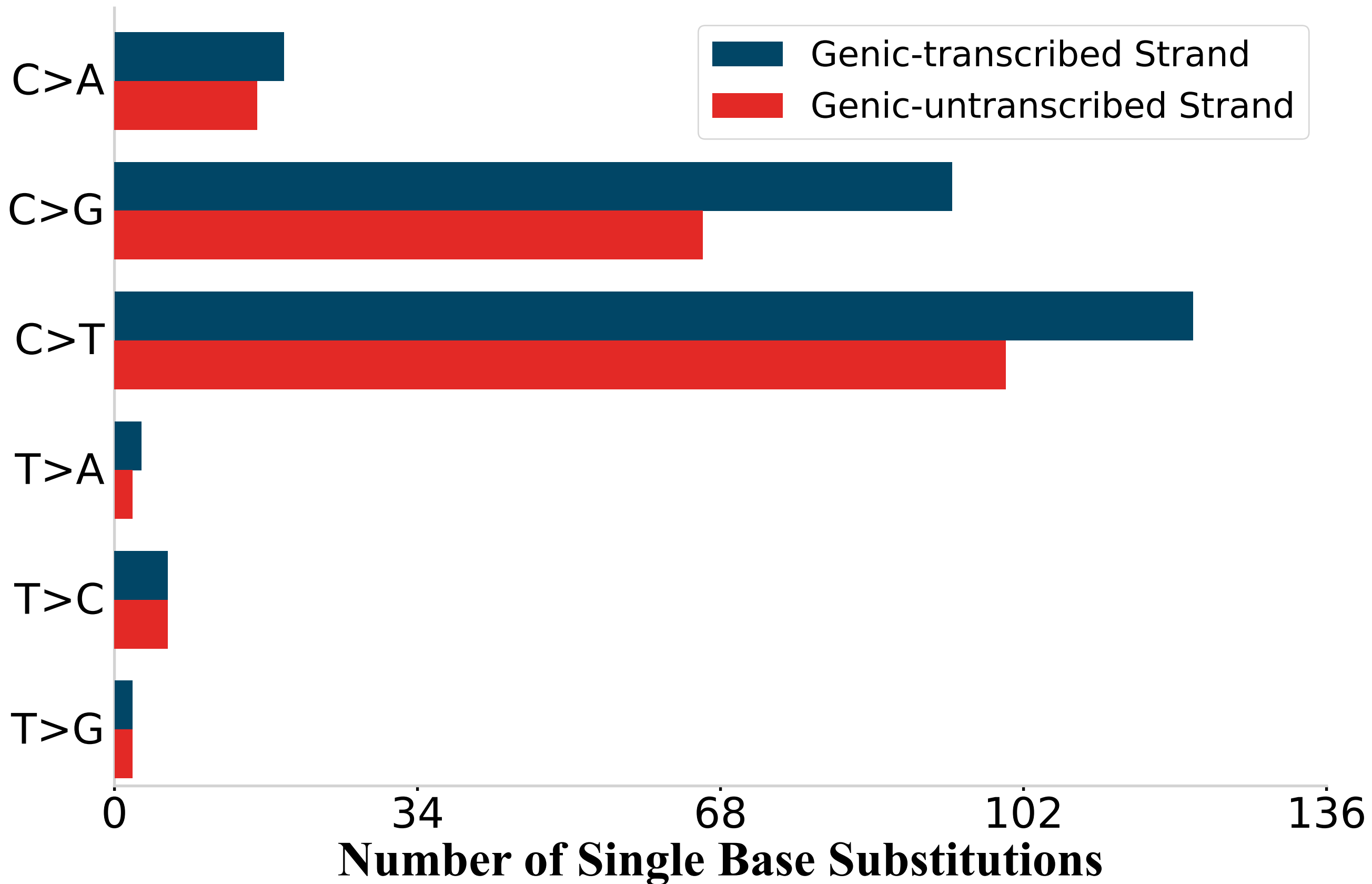
TCGA-FD-A62N-01A-11D-A30E-08: 105 transcribed



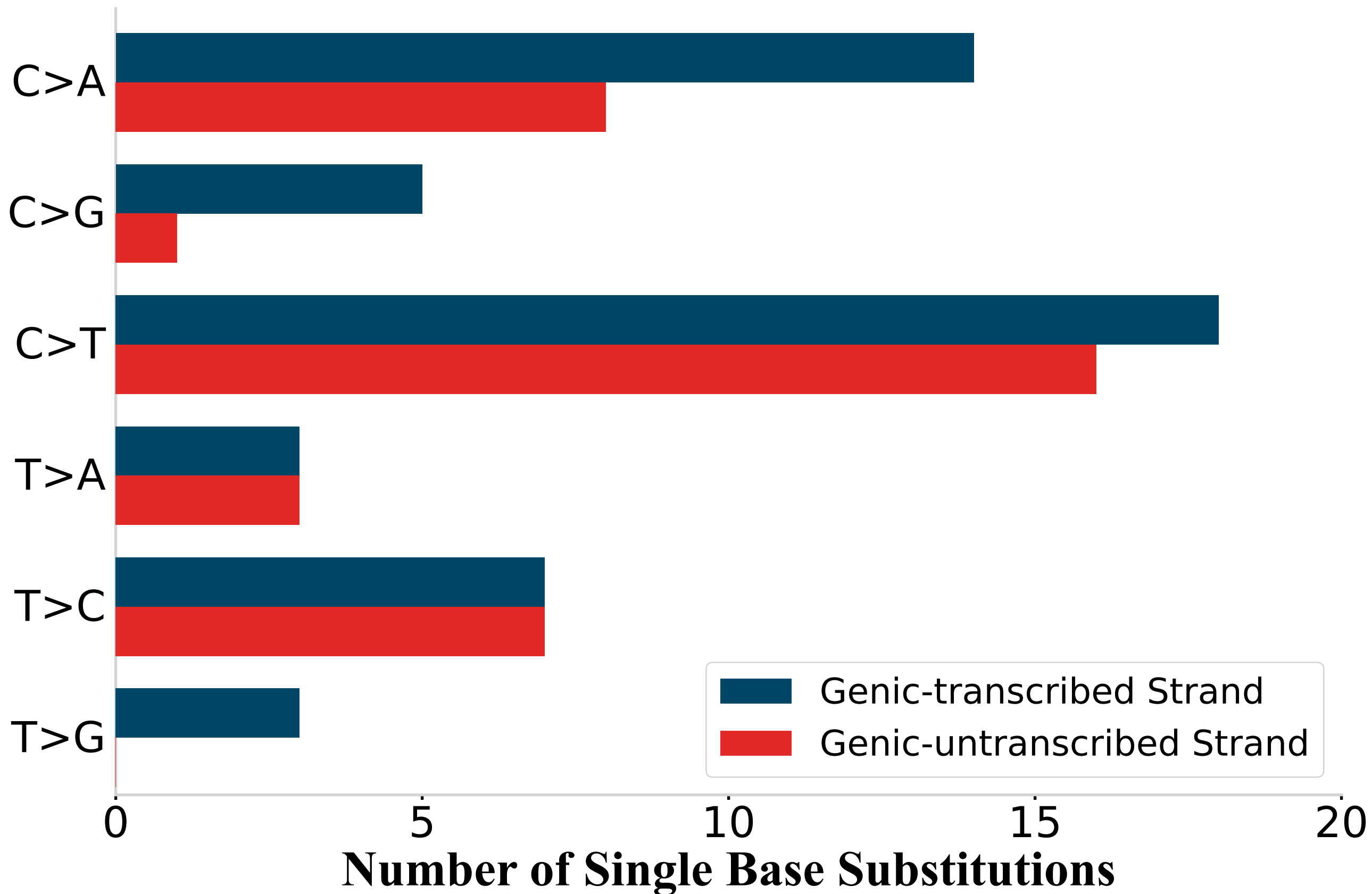
TCGA-FD-A62O-01A-11D-A30E-08: 218 transcribed



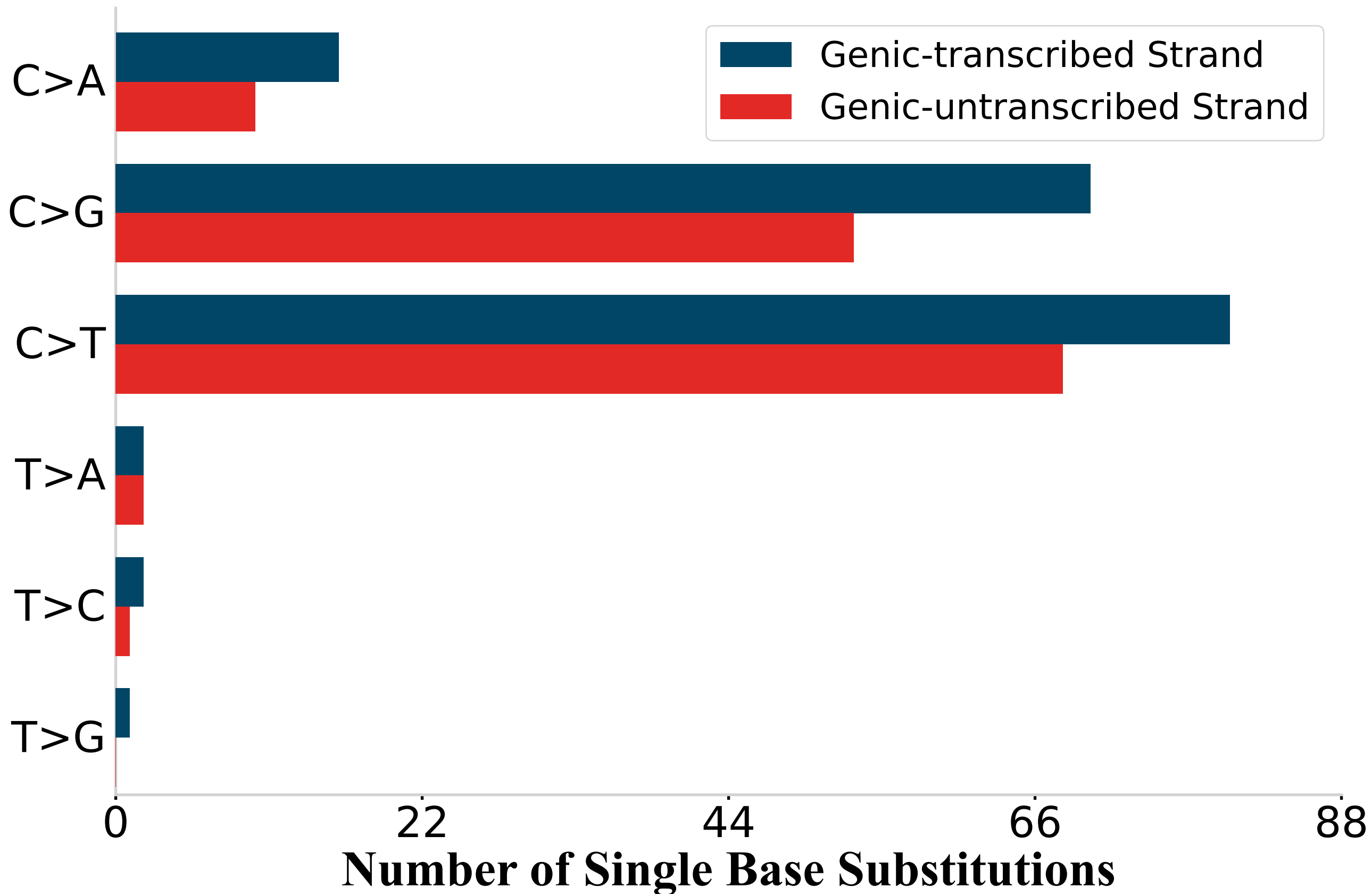
TCGA-FD-A62P-01A-32D-A30E-08: 437 transcribed



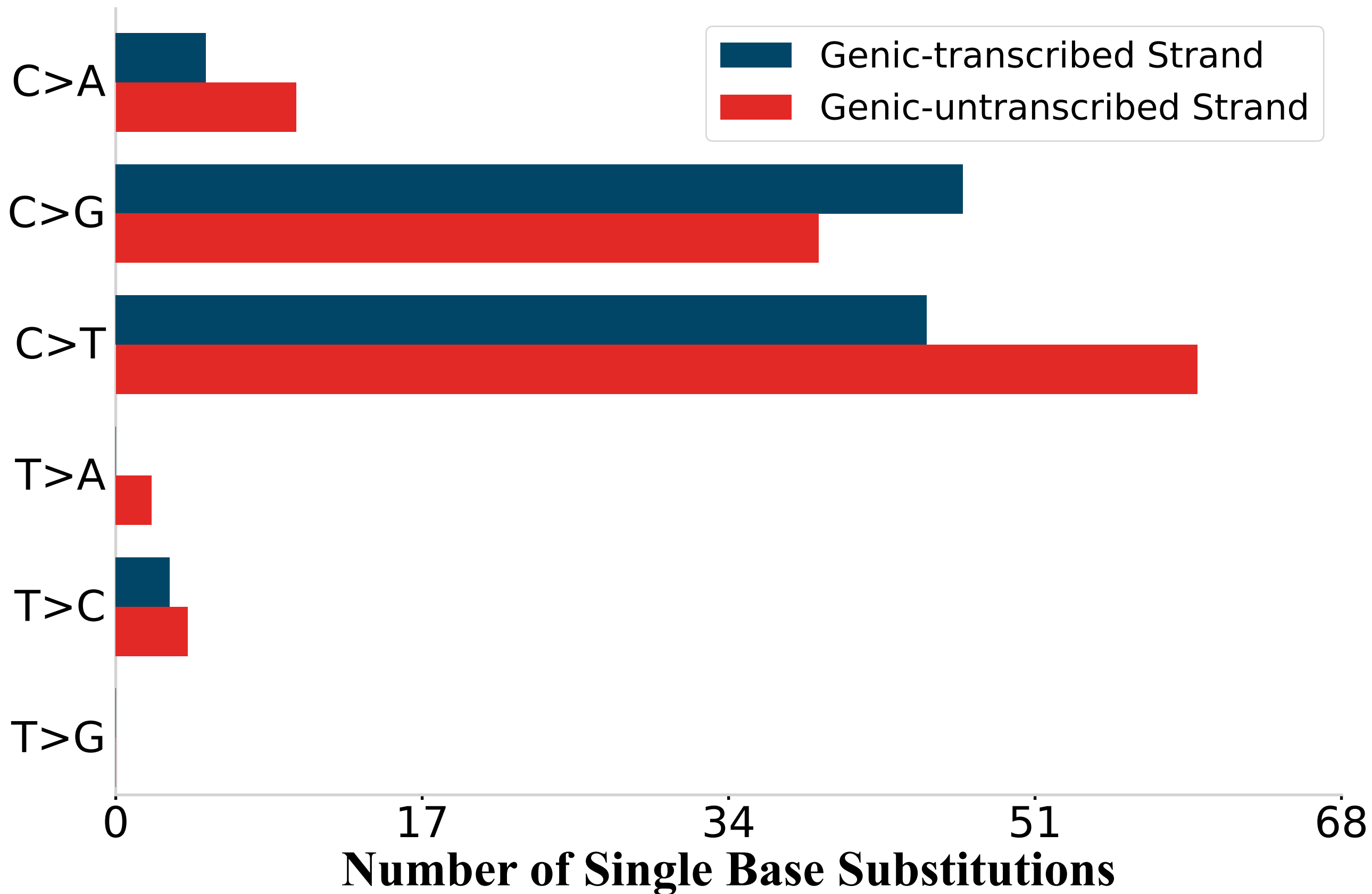
TCGA-FD-A62S-01A-11D-A30E-08: 85 transcribed



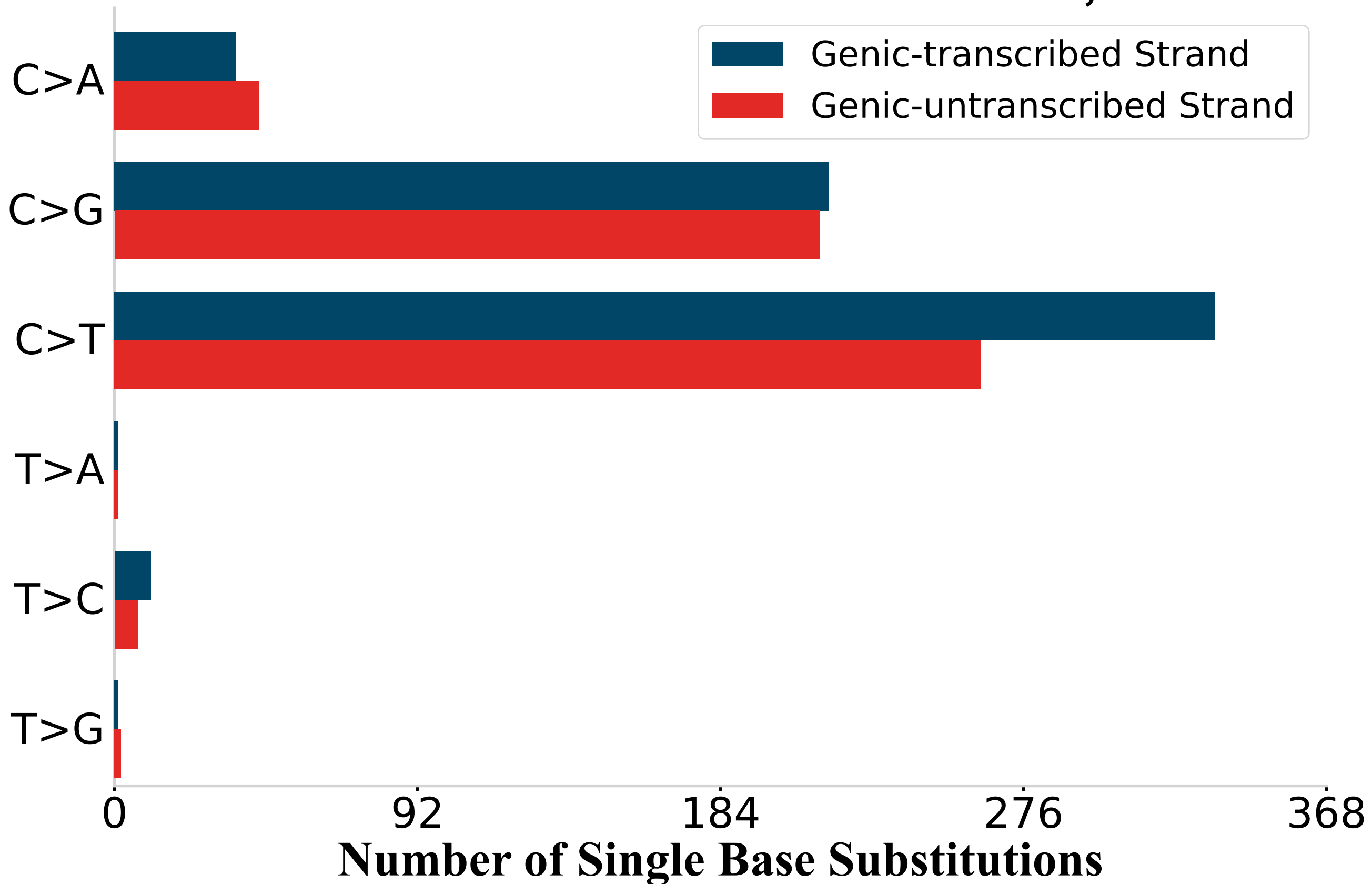
TCGA-FD-A6TA-01A-12D-A339-08: 305 transcribed



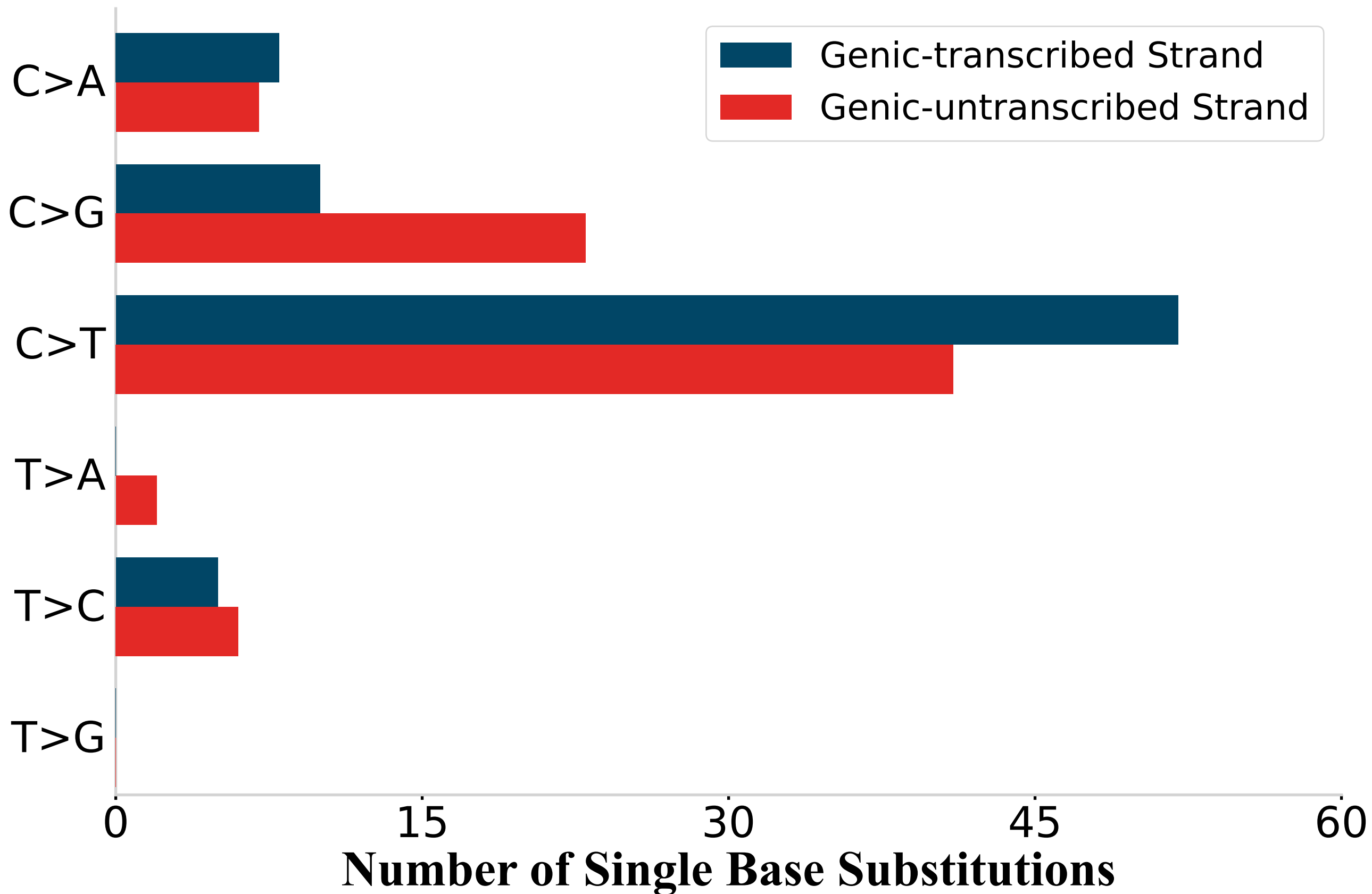
TCGA-FD-A6TB-01A-12D-A339-08: 215 transcribed



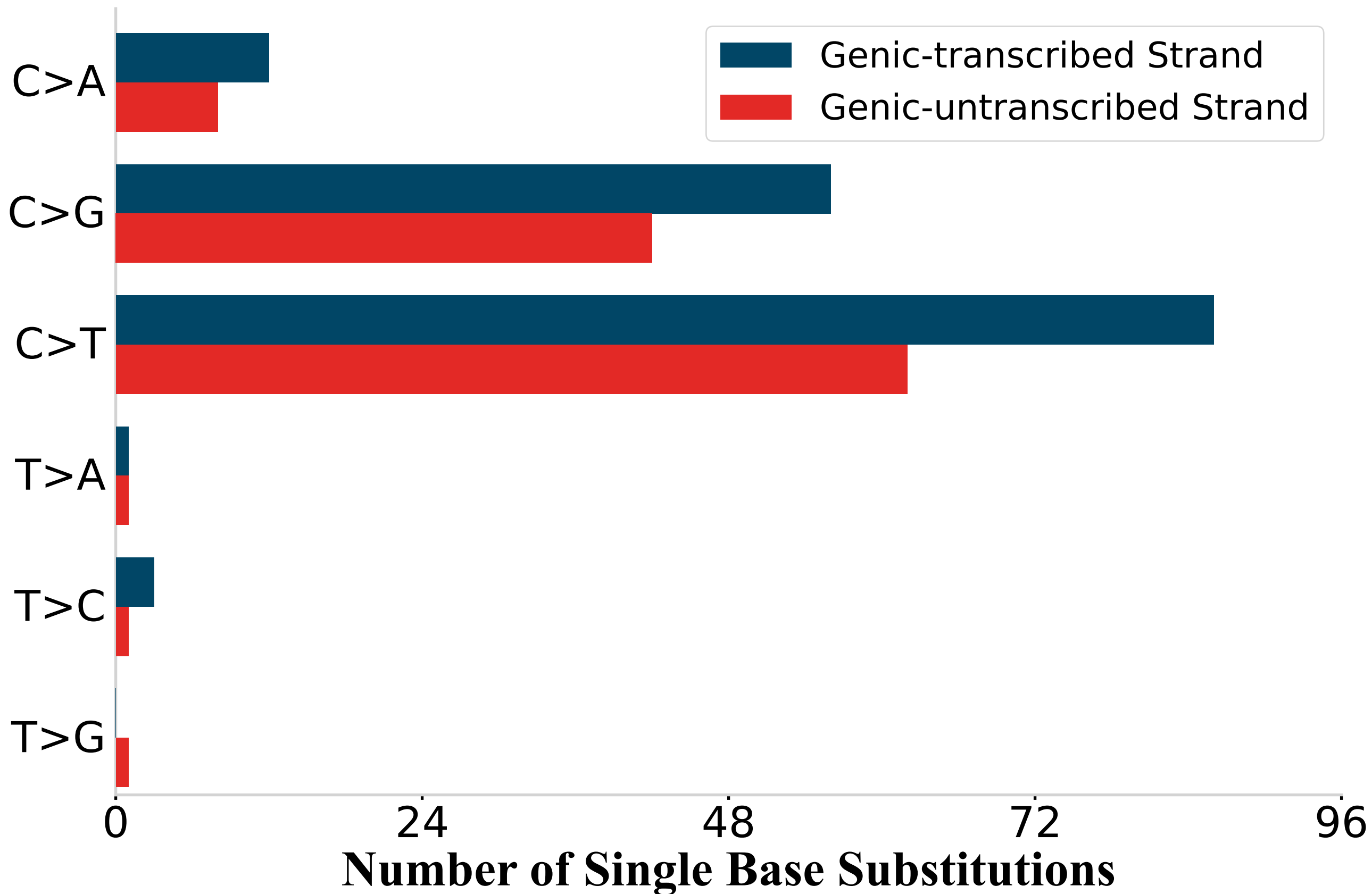
TCGA-FD-A6TC-01A-21D-A339-08: 1,132 transcrib



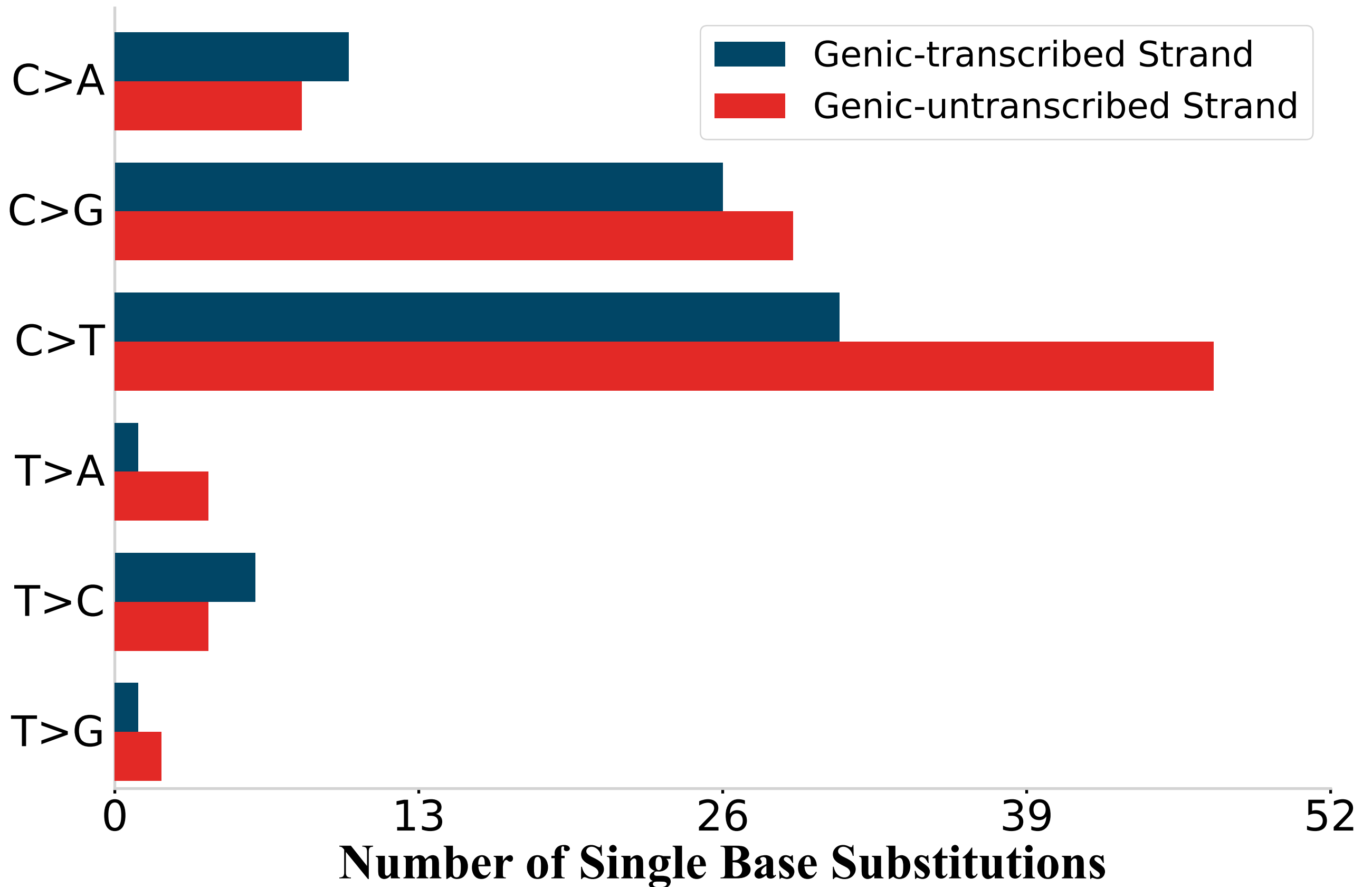
TCGA-FD-A6TD-01A-51D-A339-08: 154 transcribed



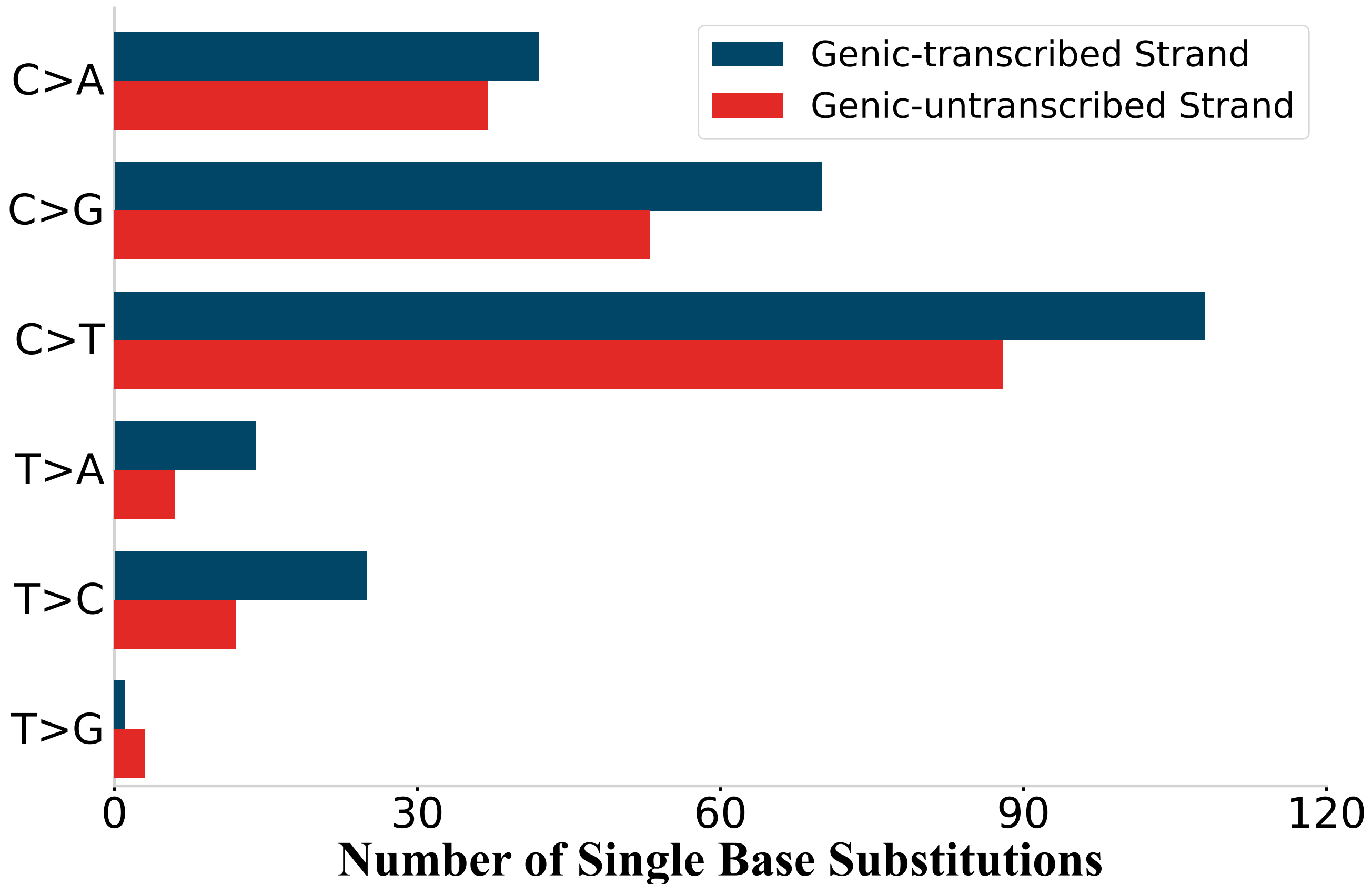
TCGA-FD-A6TE-01A-12D-A339-08: 273 transcribed



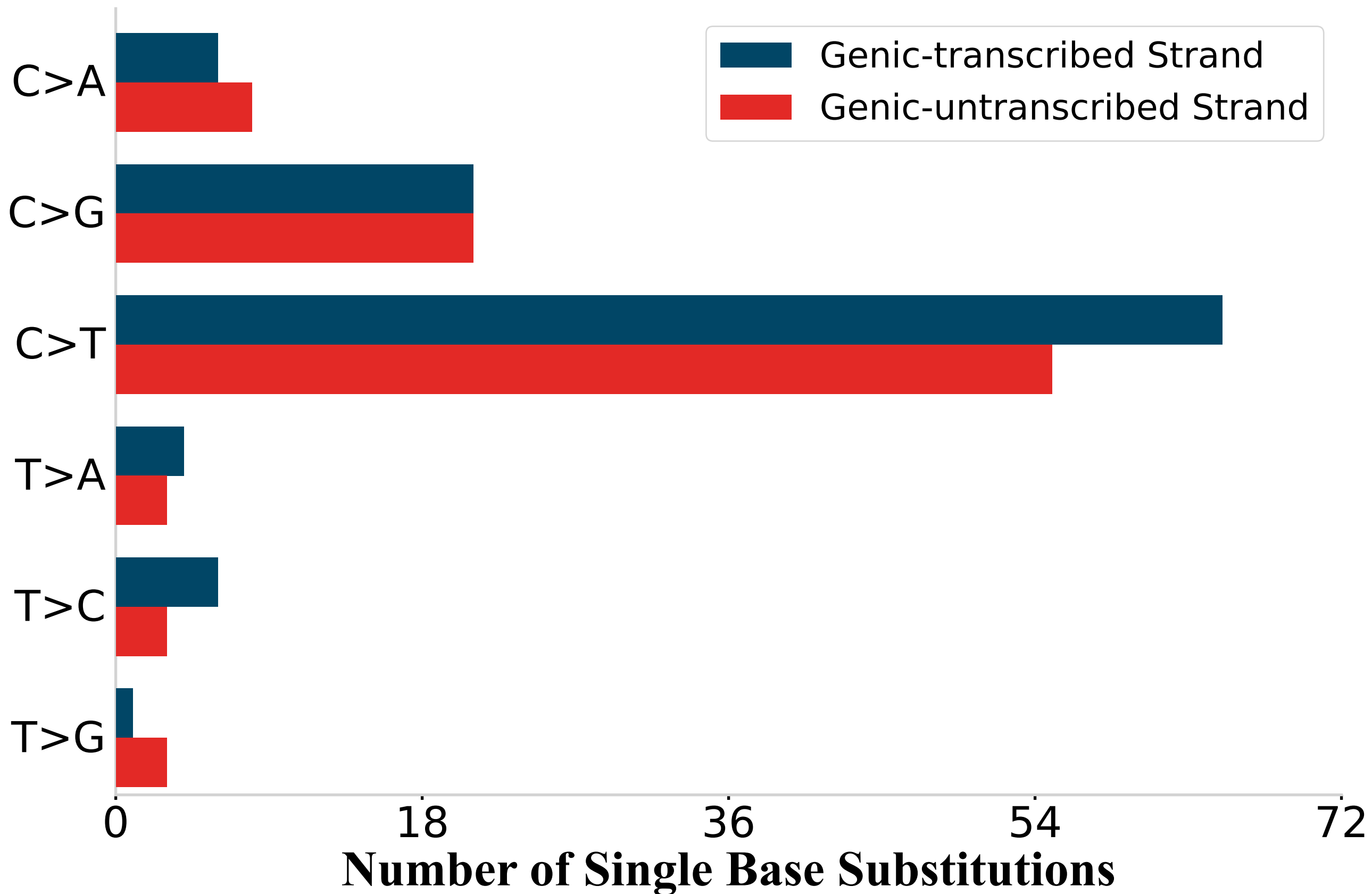
TCGA-FD-A6TF-01A-52D-A32B-08: 169 transcribed



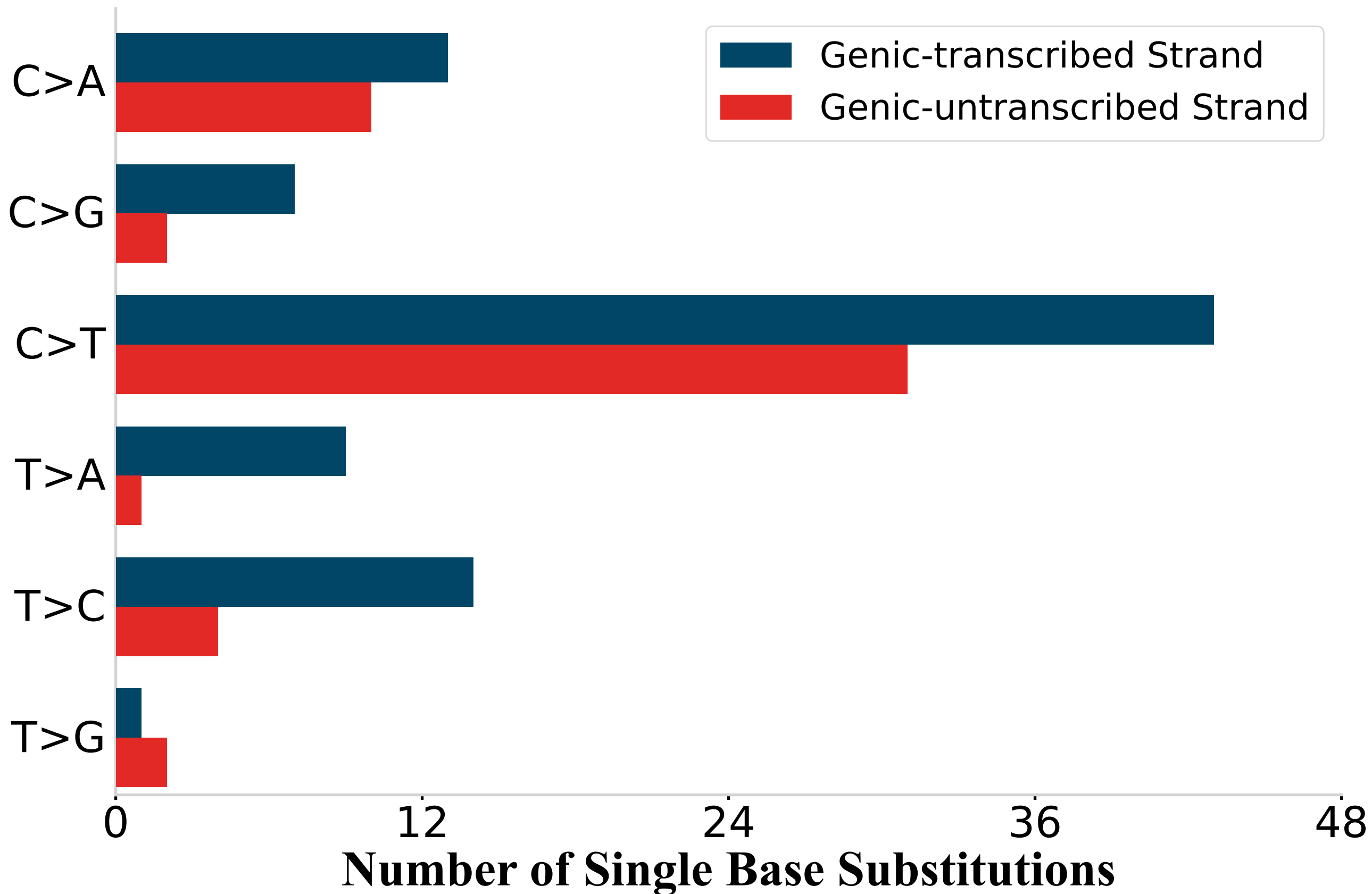
TCGA-FD-A6TG-01A-11D-A32B-08: 459 transcribed



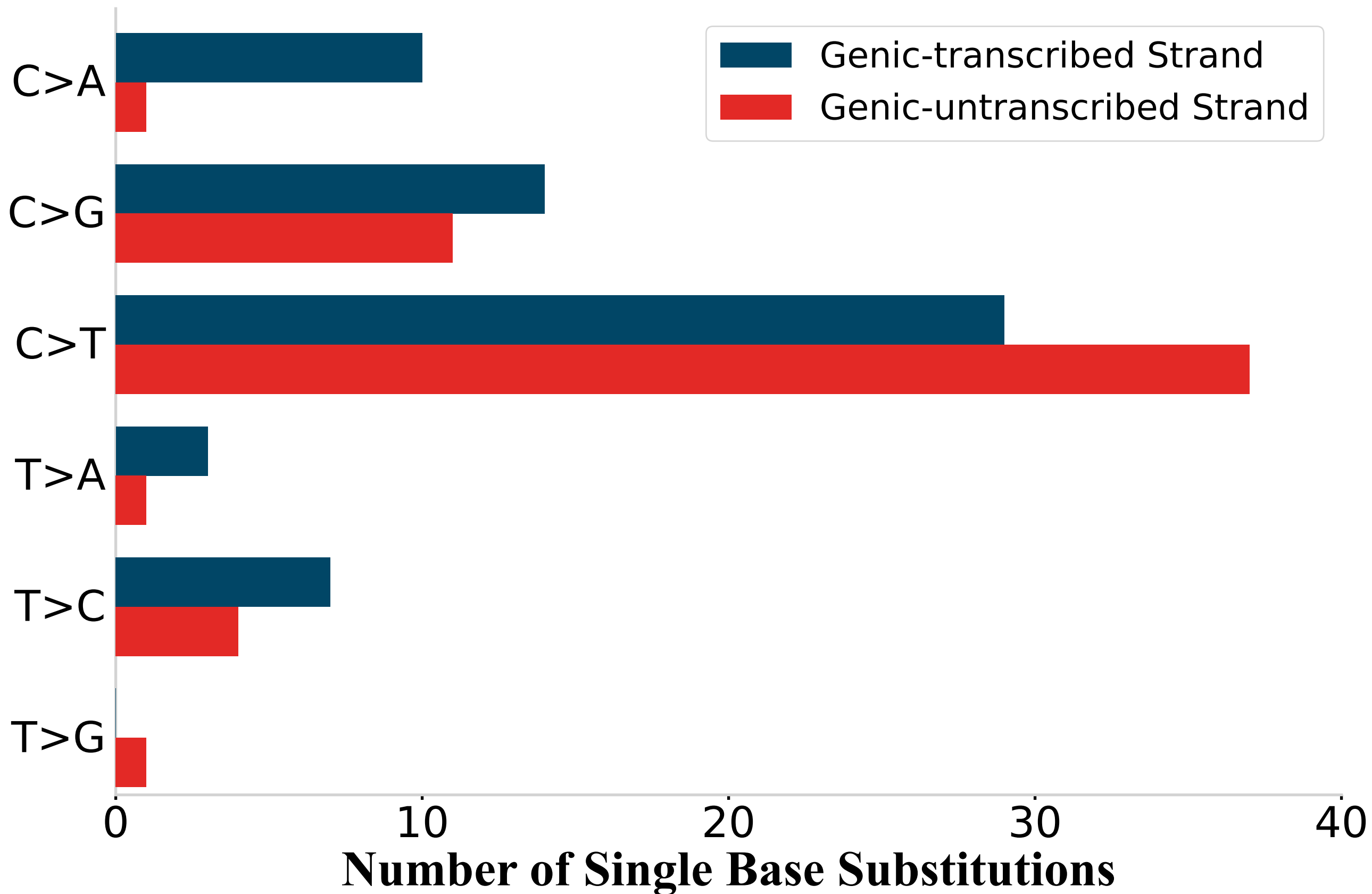
TCGA-FD-A6TH-01A-11D-A32B-08: 196 transcribed



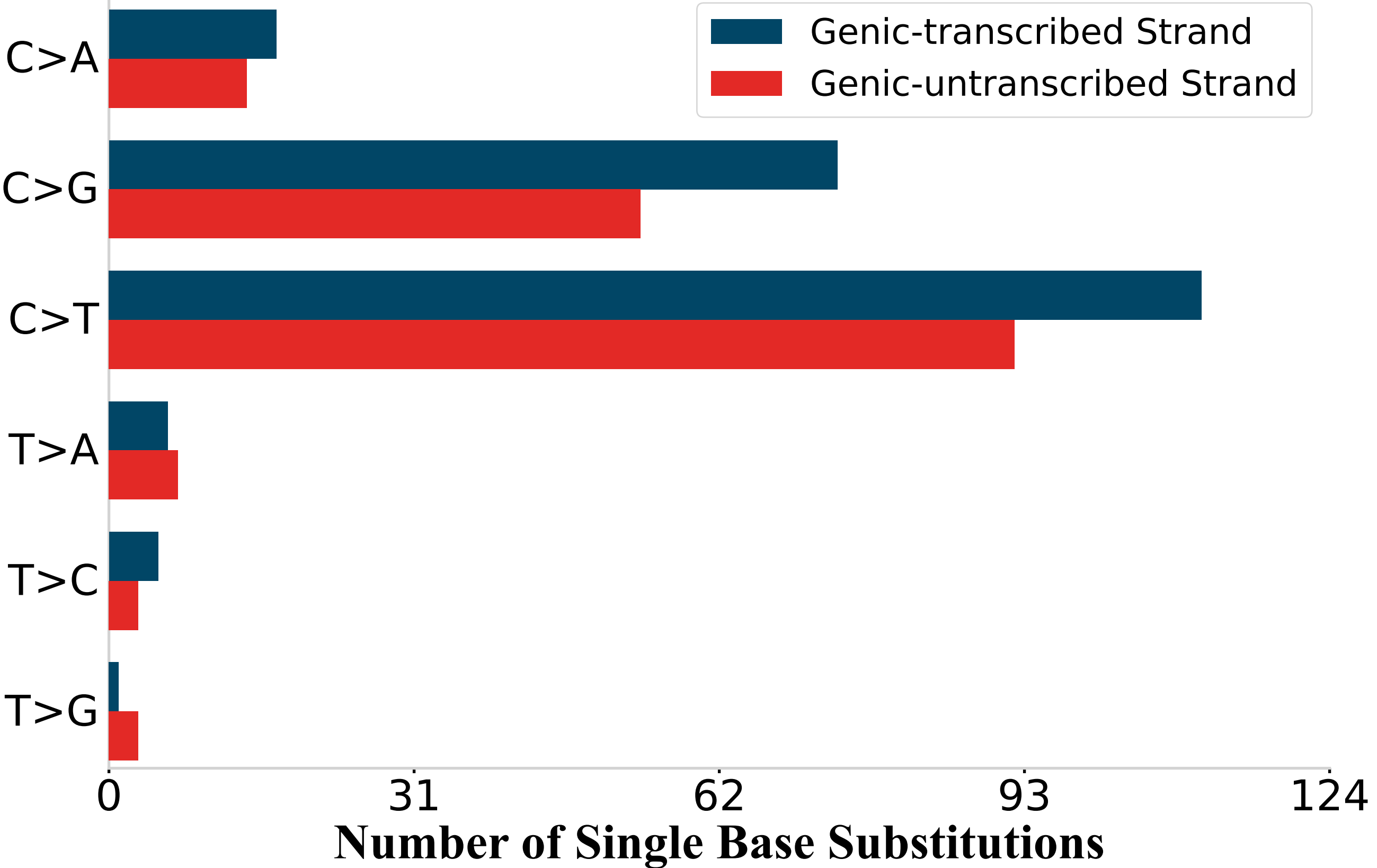
TCGA-FD-A6TI-01A-11D-A32B-08: 137 transcribed



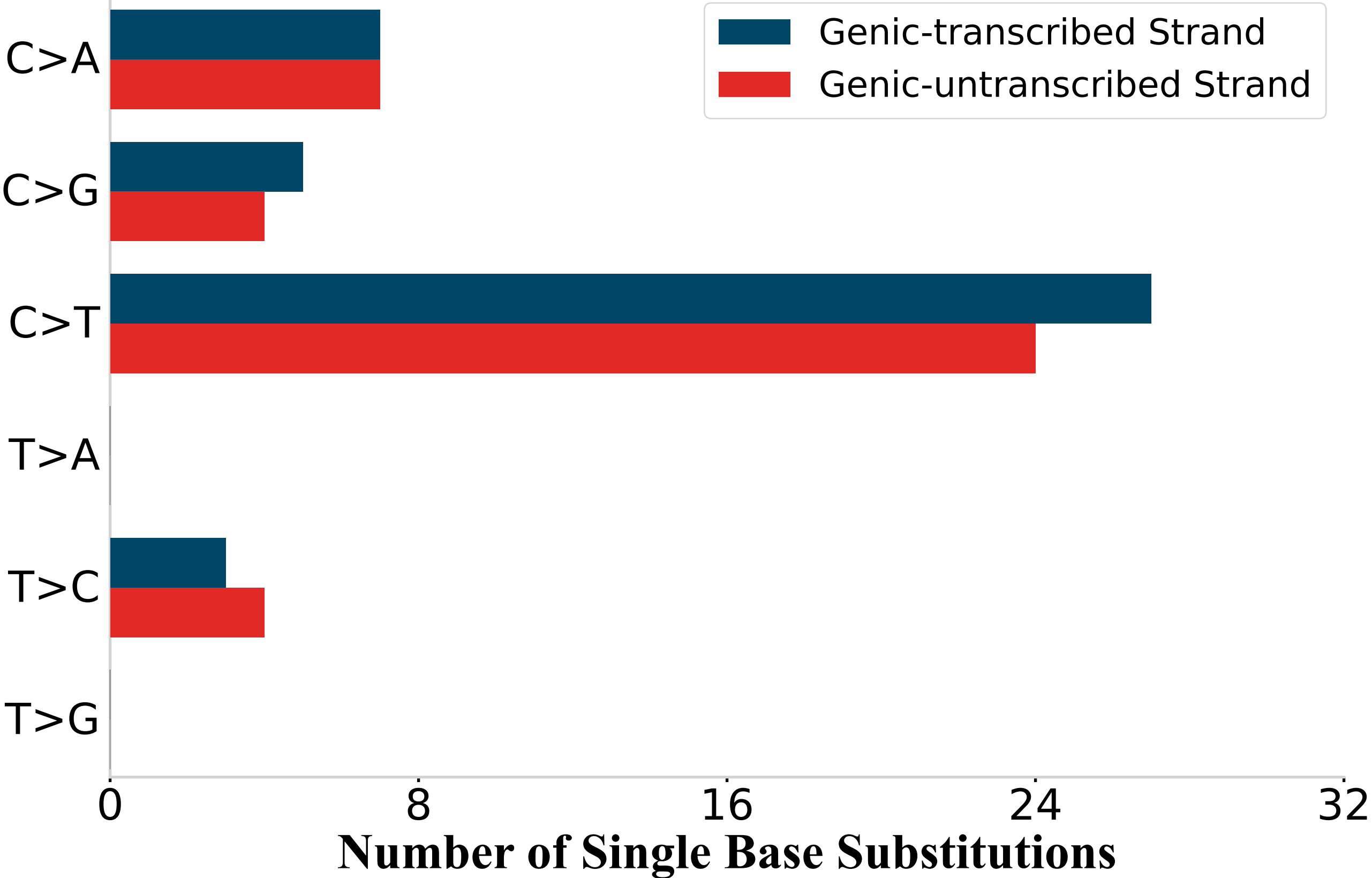
TCGA-FD-A6TK-01A-42D-A339-08: 118 transcribed



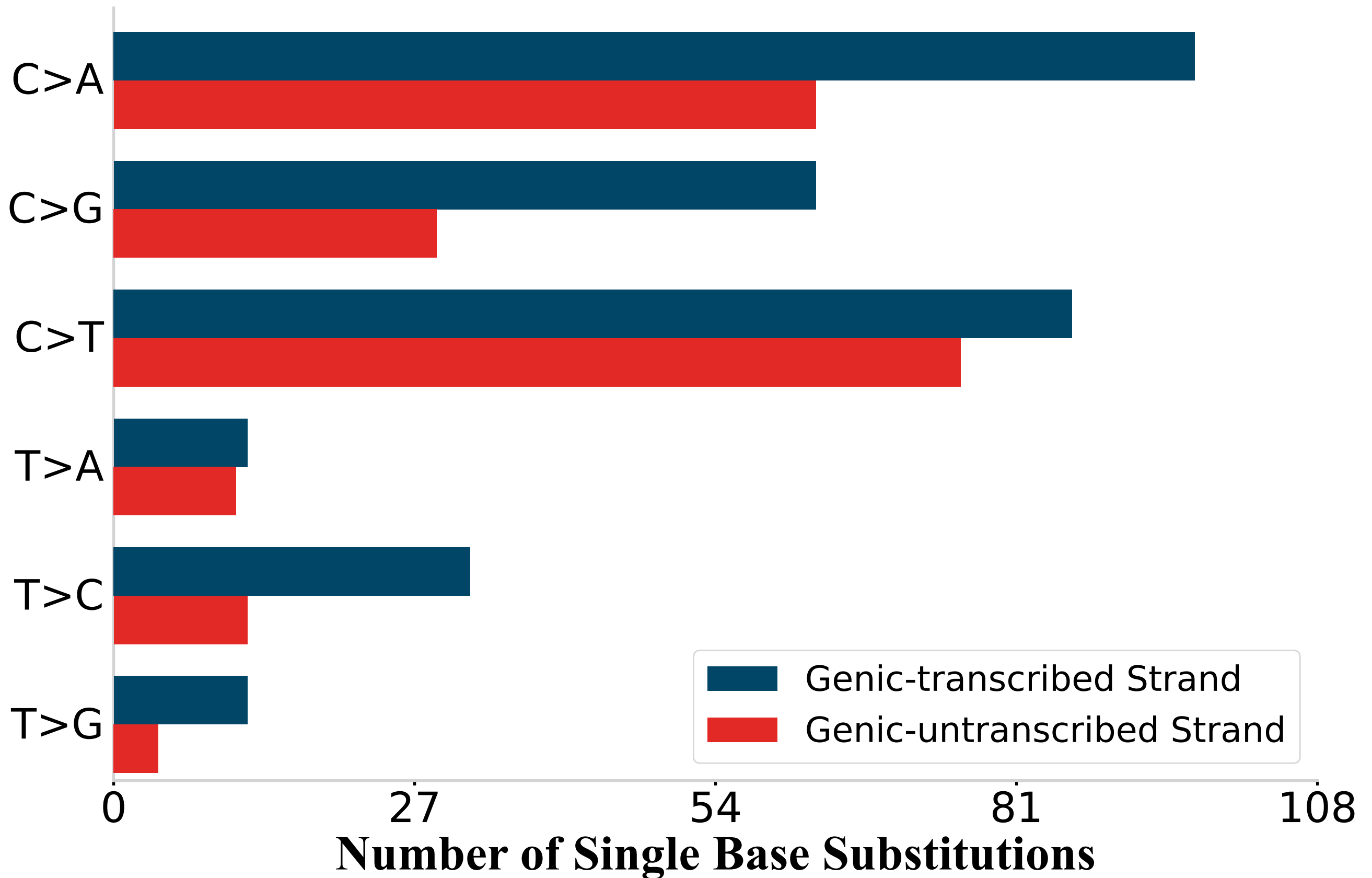
TCGA-FJ-A3Z7-01A-12D-A23M-08: 387 transcribed



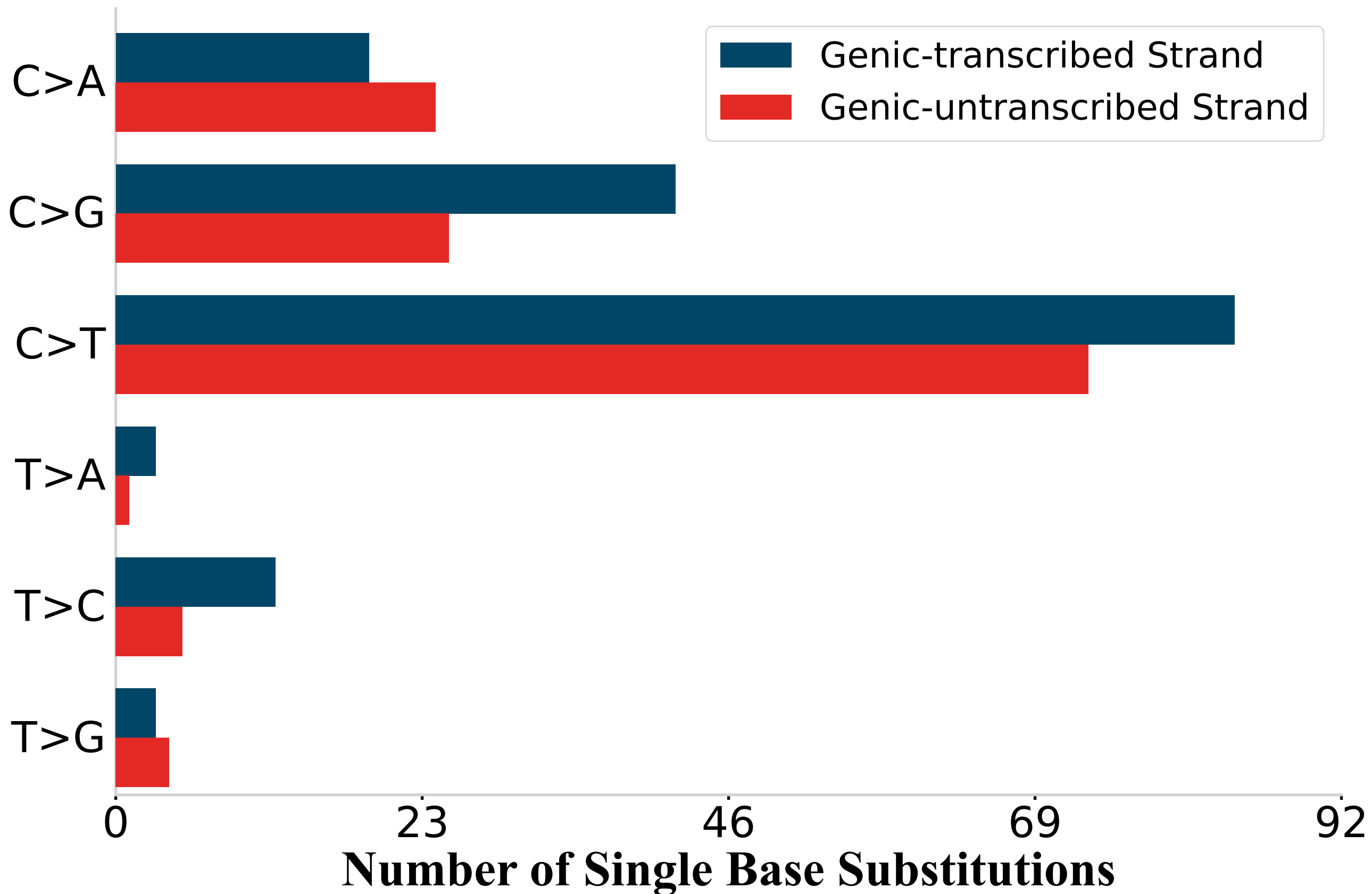
TCGA-FJ-A3Z9-01A-11D-A26M-08: 81 transcribed s



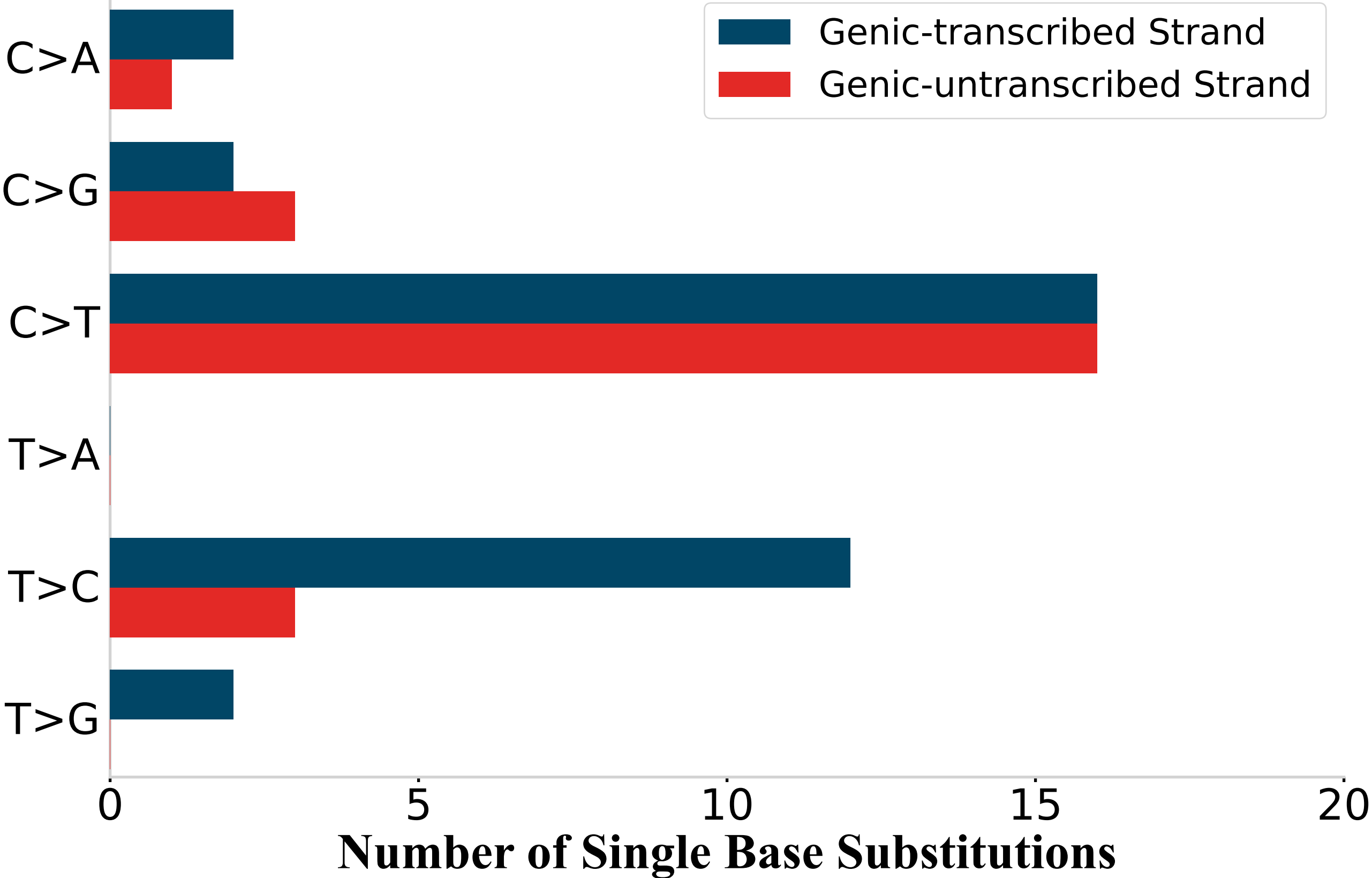
TCGA-FJ-A3ZE-01A-11D-A23M-08: 497 transcribed



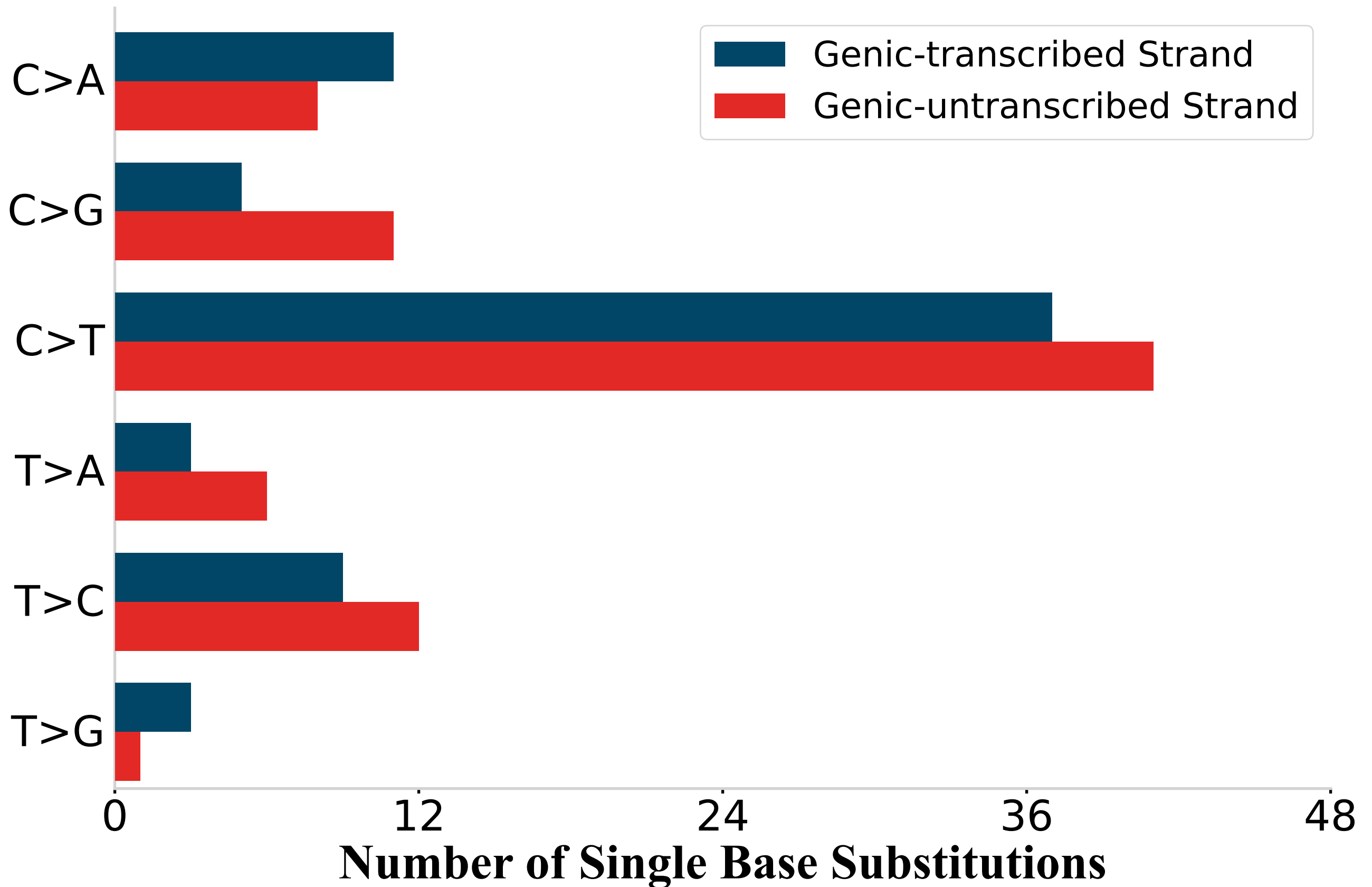
TCGA-FJ-A3ZF-01A-11D-A23M-08: 295 transcribed



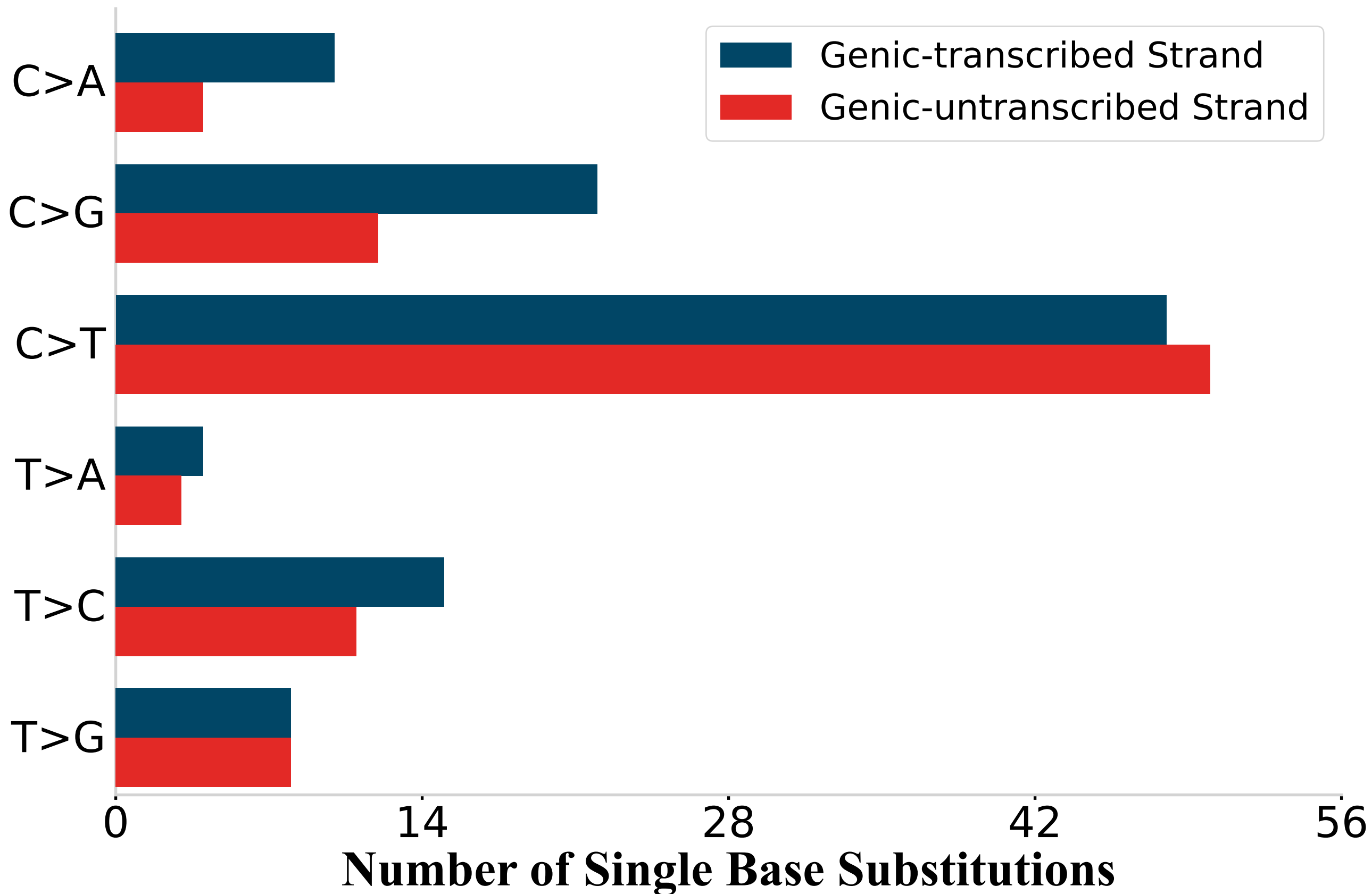
TCGA-FJ-A871-01A-11D-A34U-08: 57 transcribed s



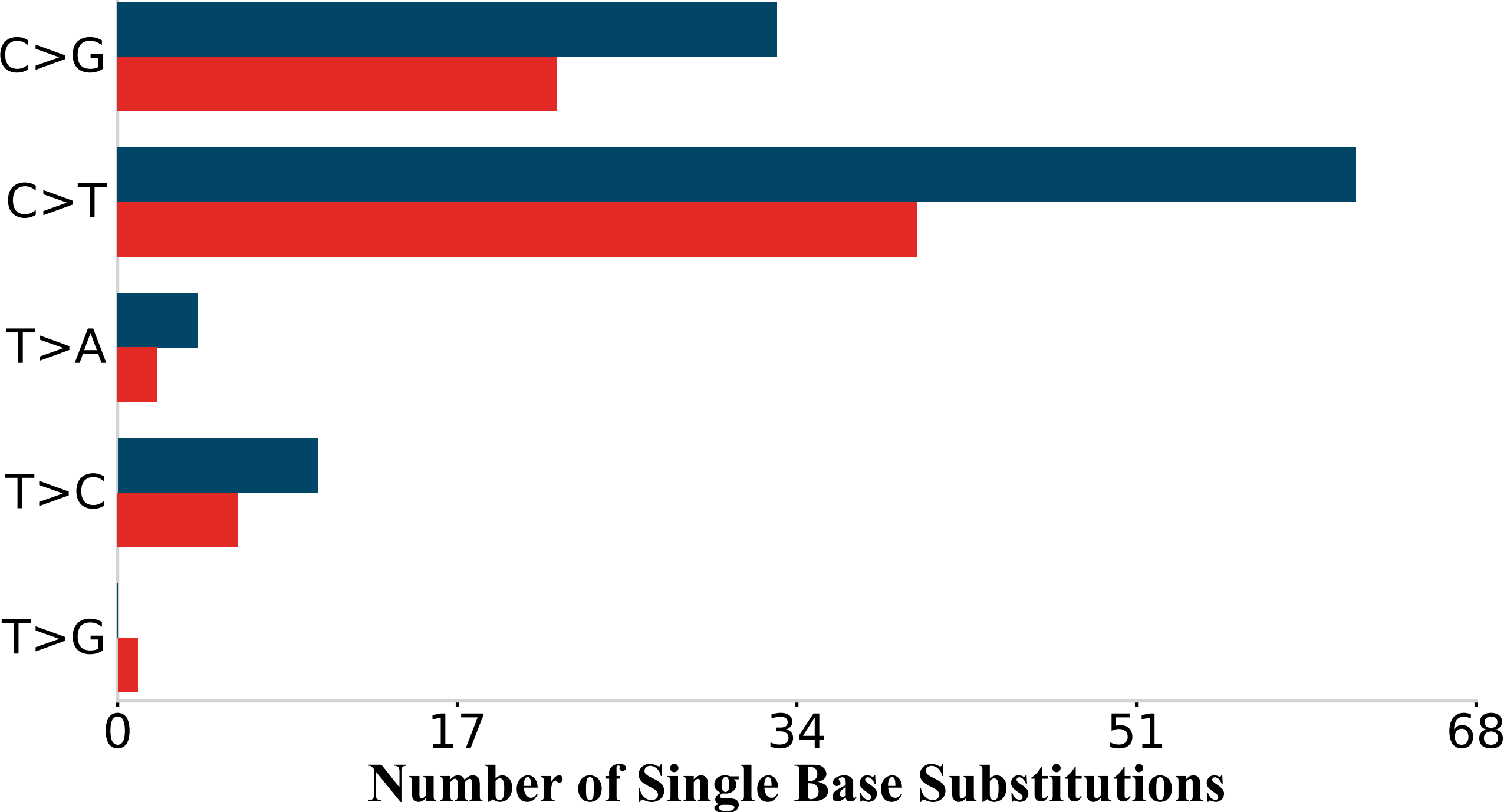
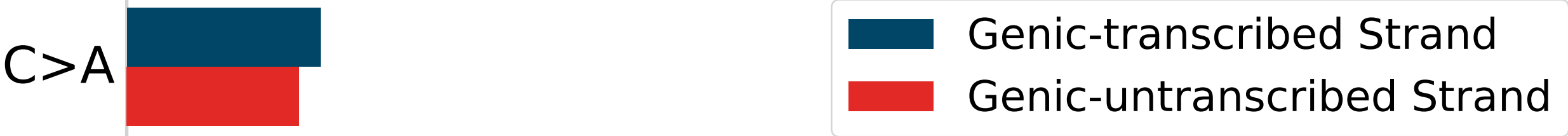
TCGA-FT-A3EE-01A-11D-A202-08: 147 transcribed



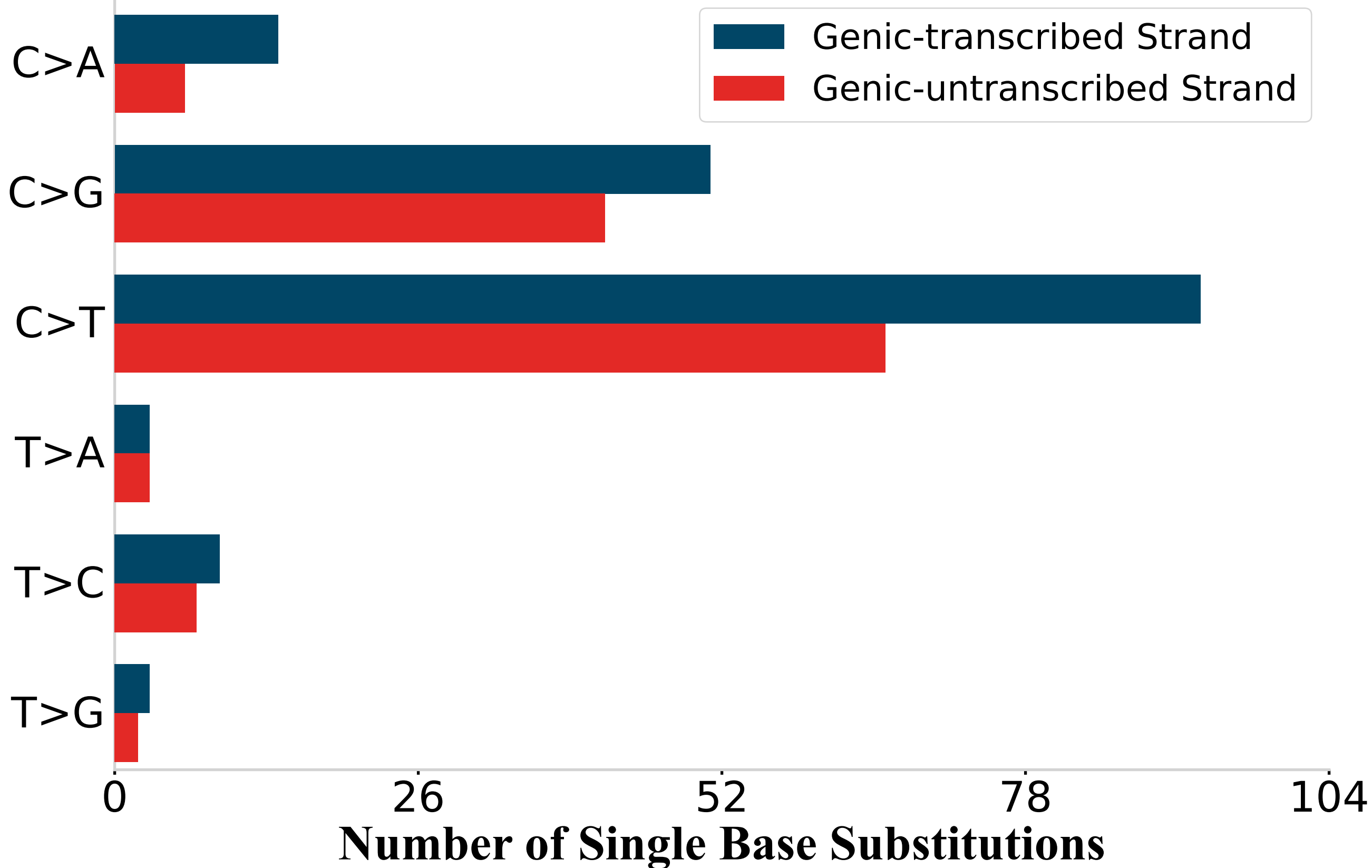
TCGA-FT-A61P-01A-11D-A30E-08: 195 transcribed



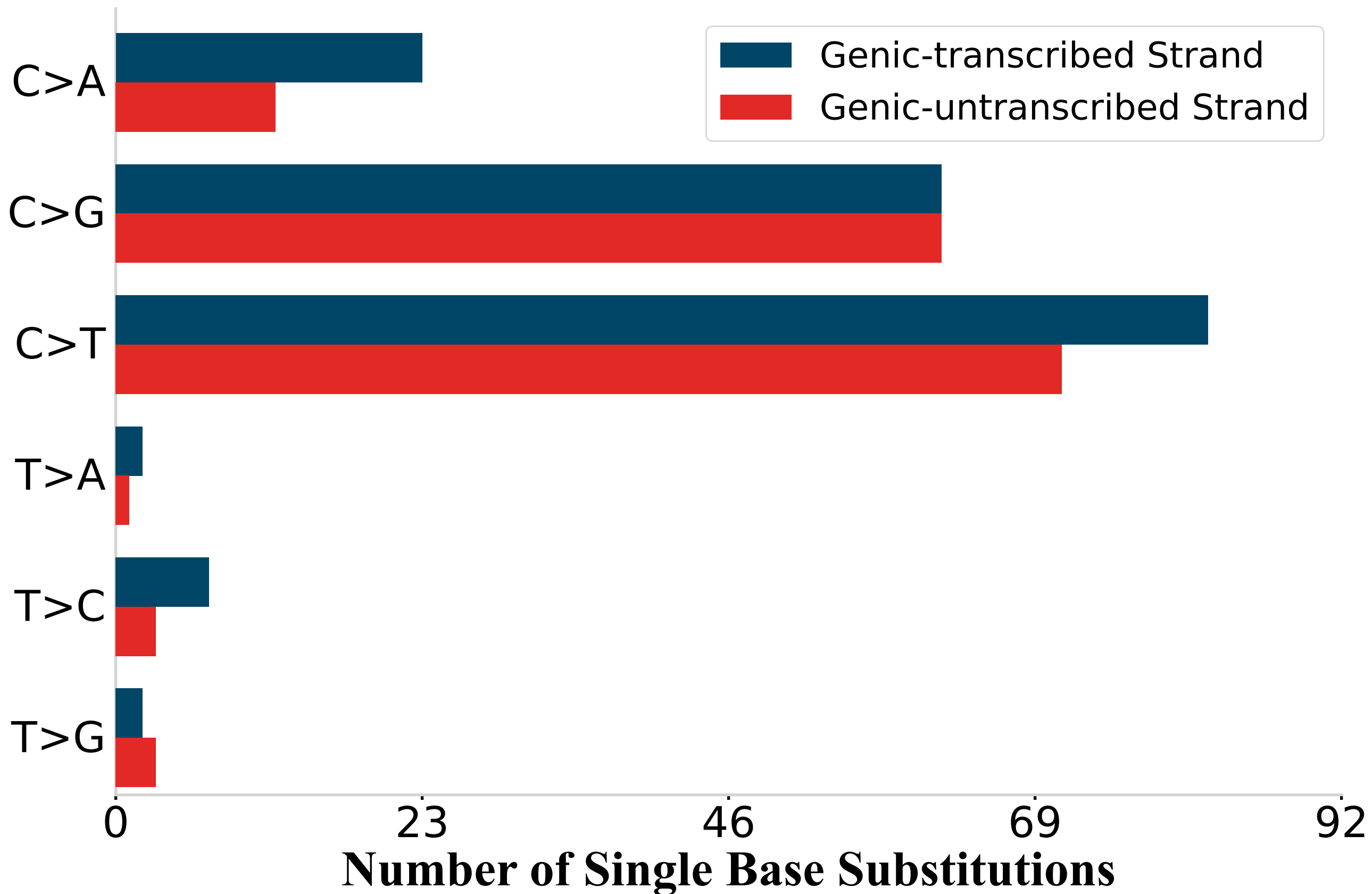
TCGA-G2-A2EC-01A-11D-A17V-08: 197 transcribed



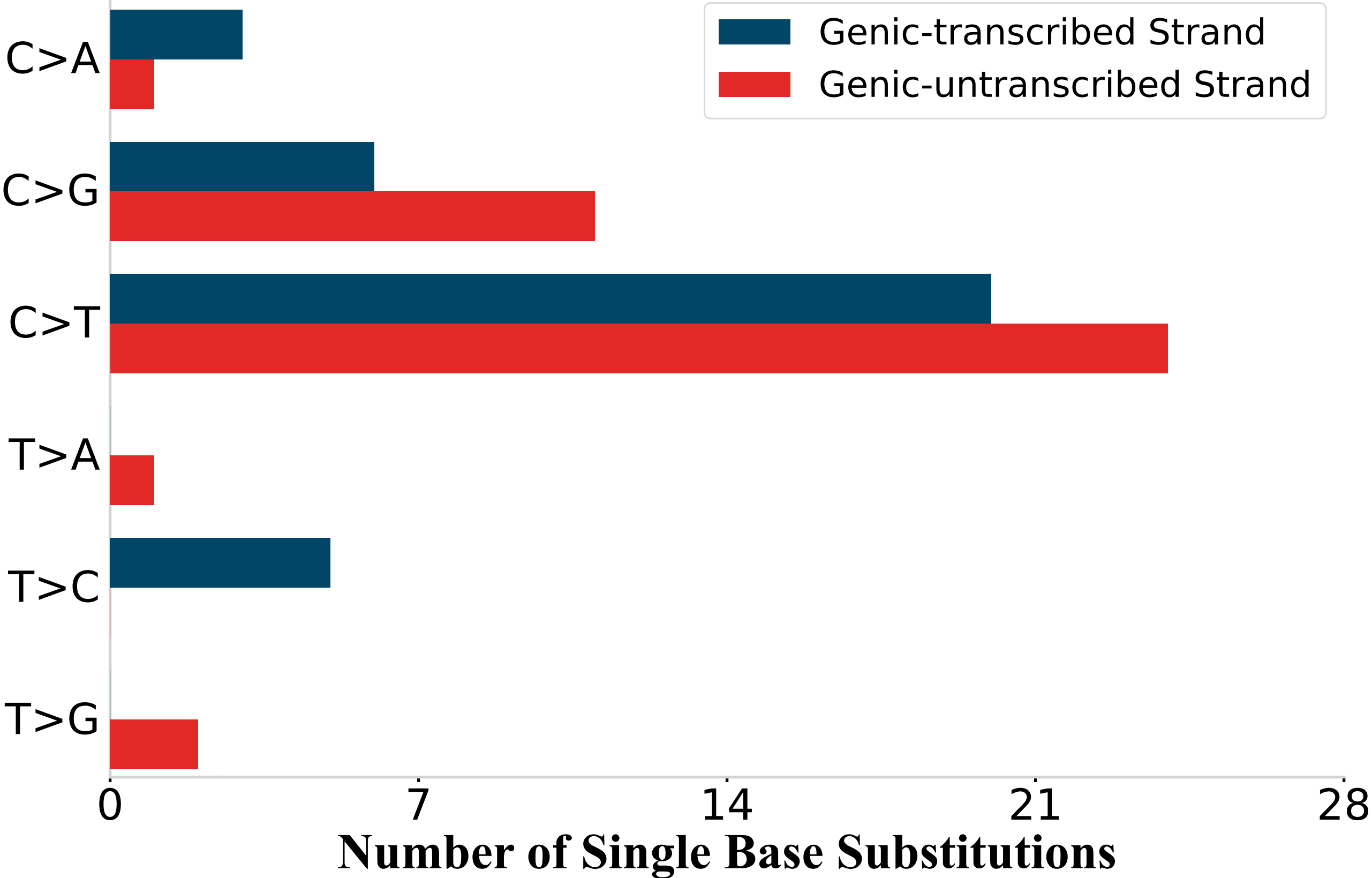
TCGA-G2-A2EF-01A-12D-A18F-08: 299 transcribed



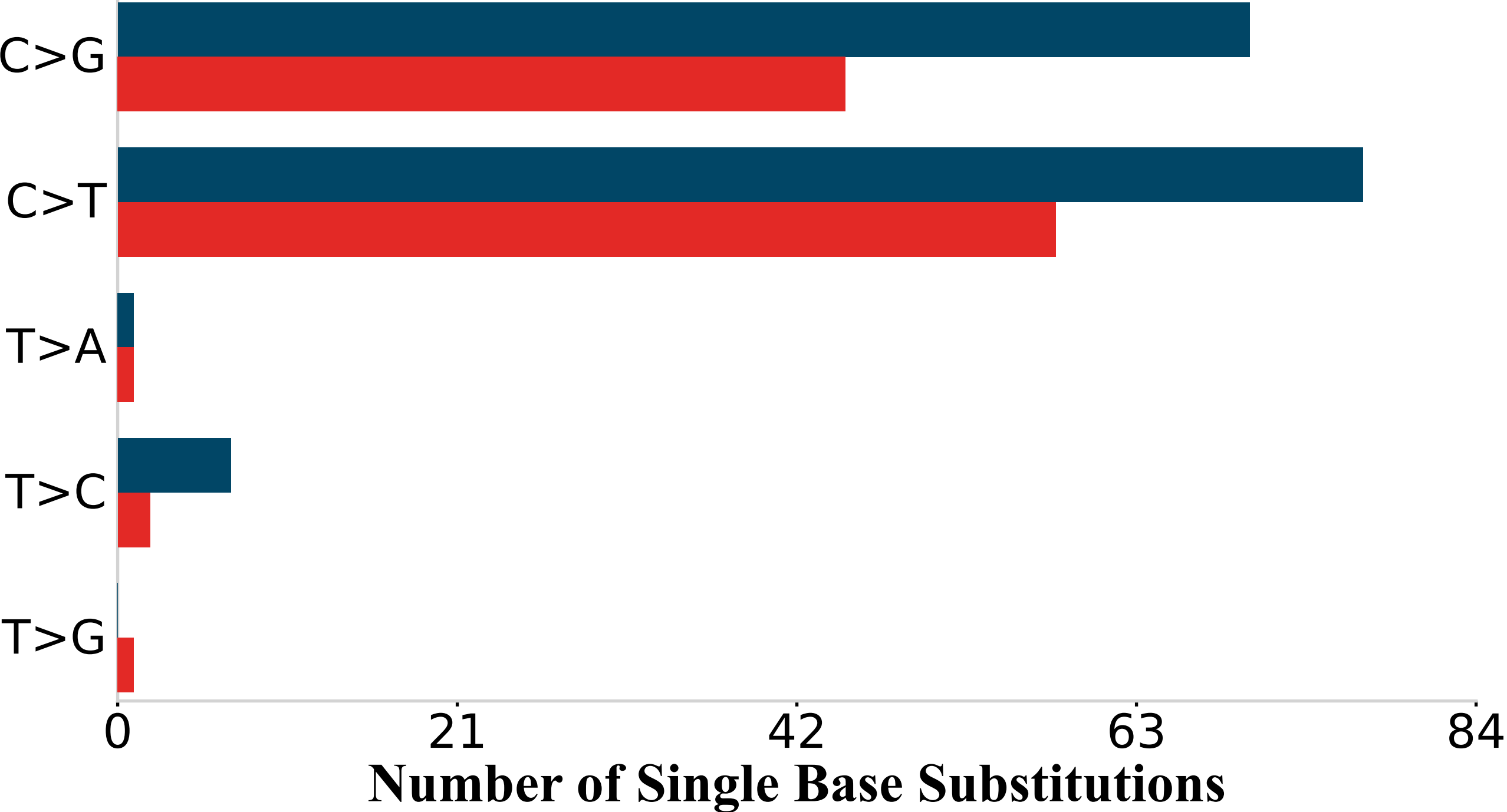
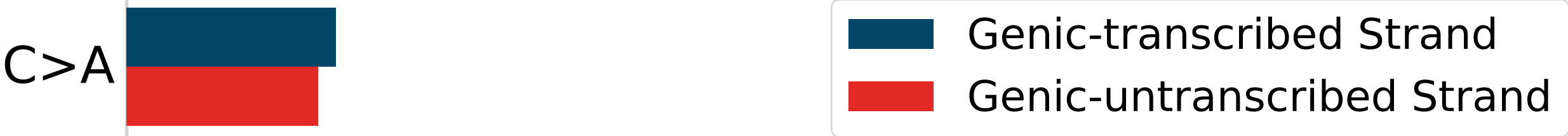
TCGA-G2-A2EJ-01A-11D-A17V-08: 330 transcribed



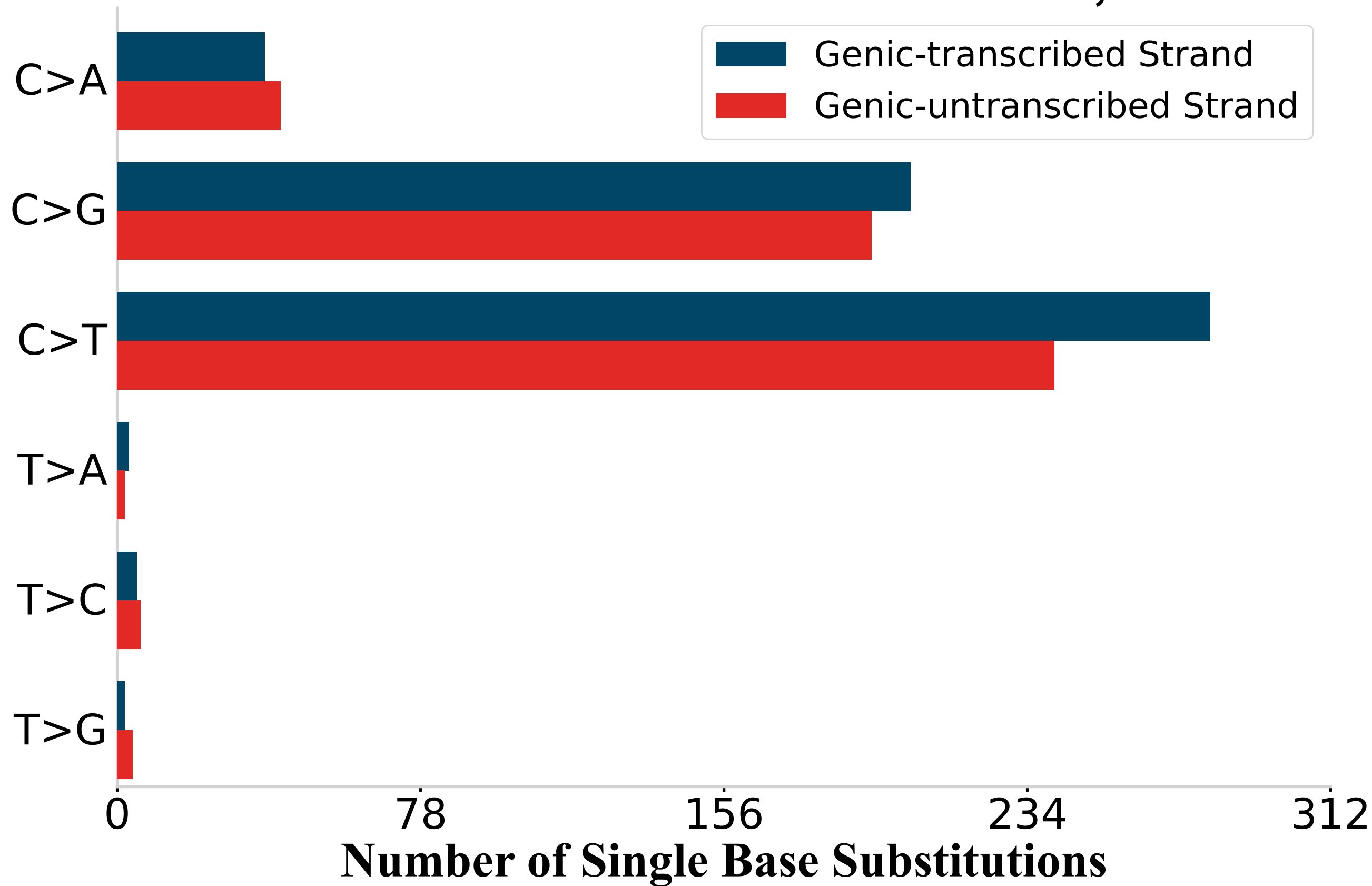
TCGA-G2-A2EK-01A-22D-A18F-08: 73 transcribed



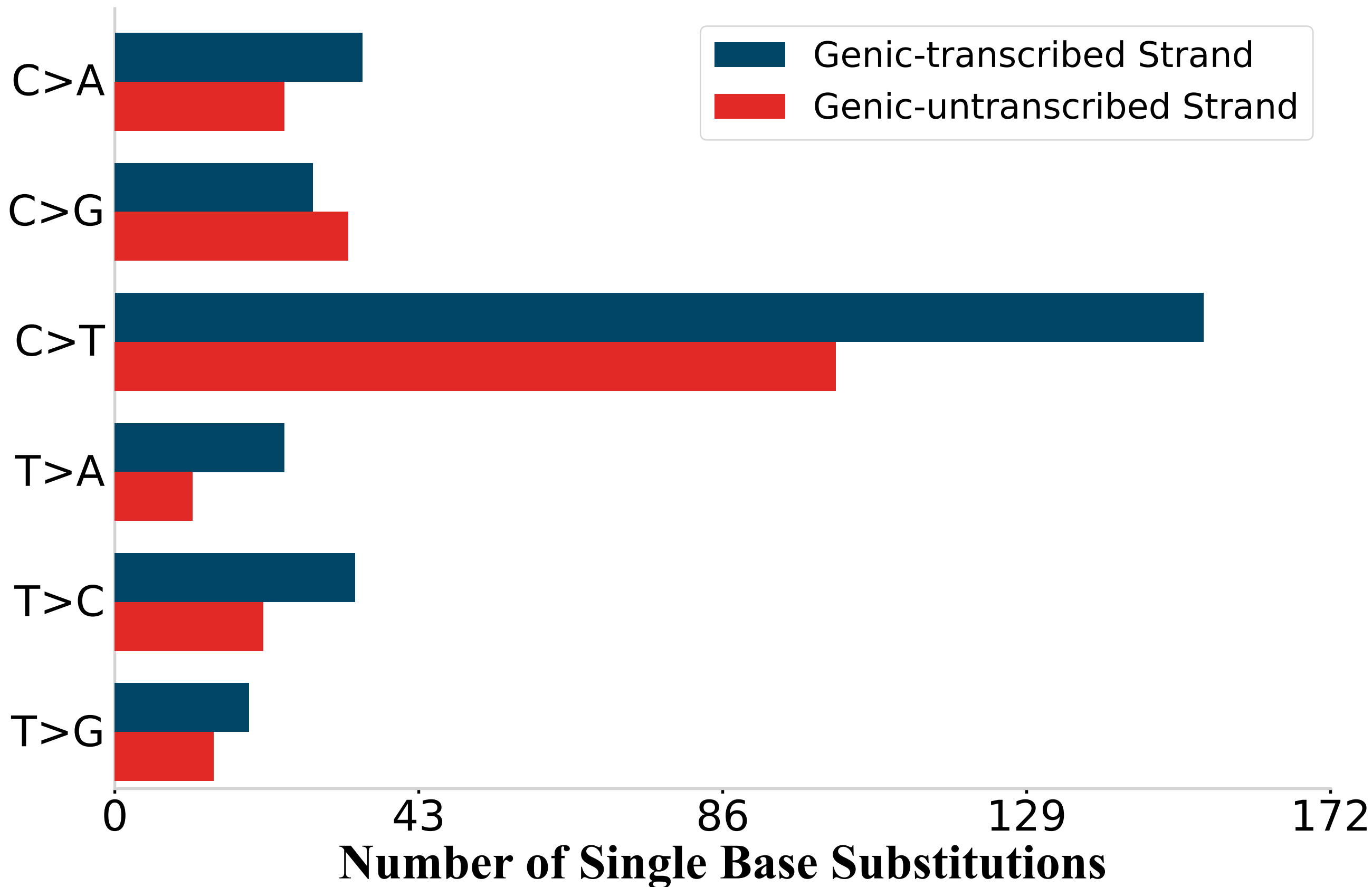
TCGA-G2-A2EL-01A-12D-A18F-08: 285 transcribed



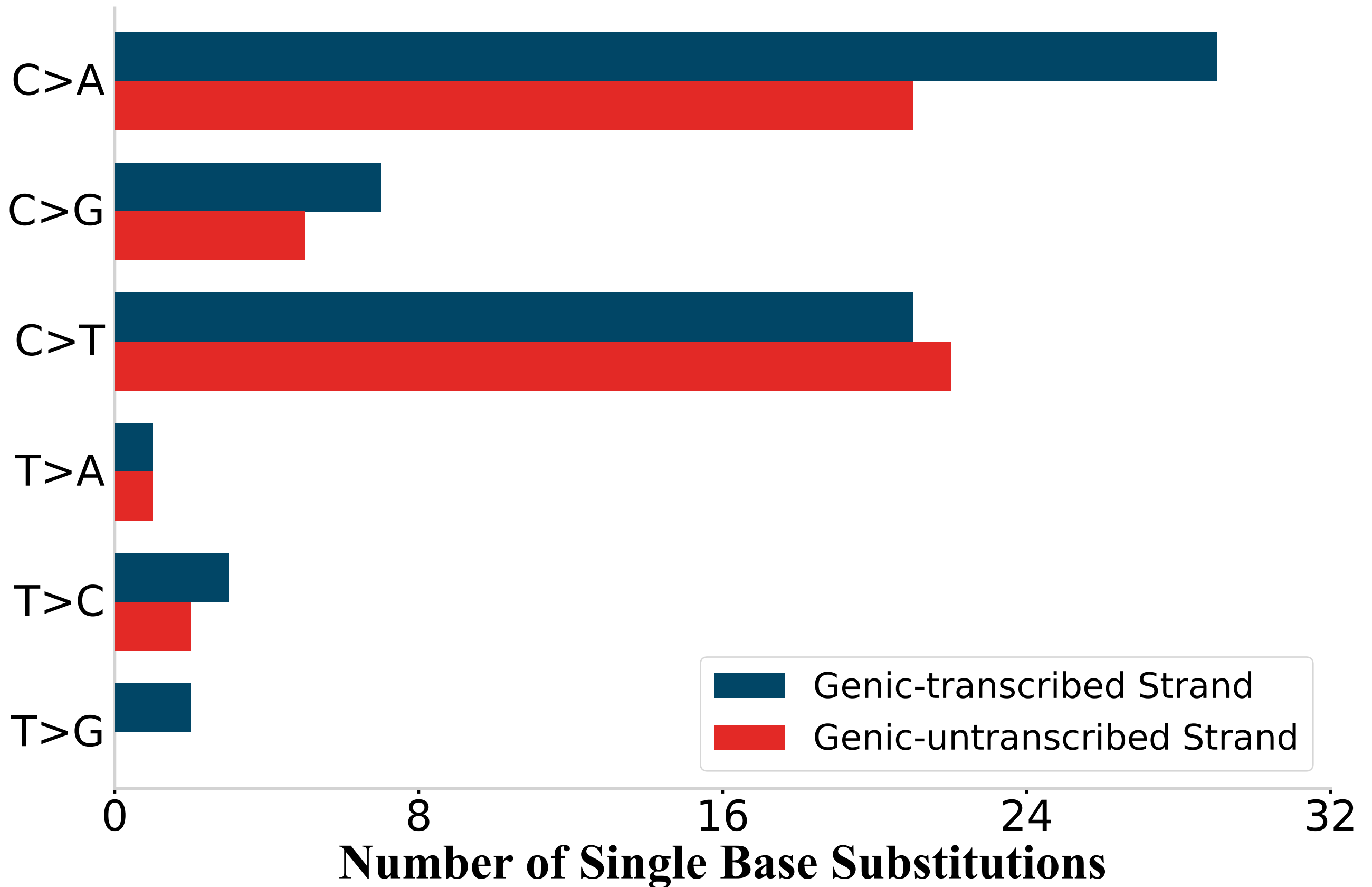
TCGA-G2-A2EO-01A-11D-A17V-08: 1,022 transcribed



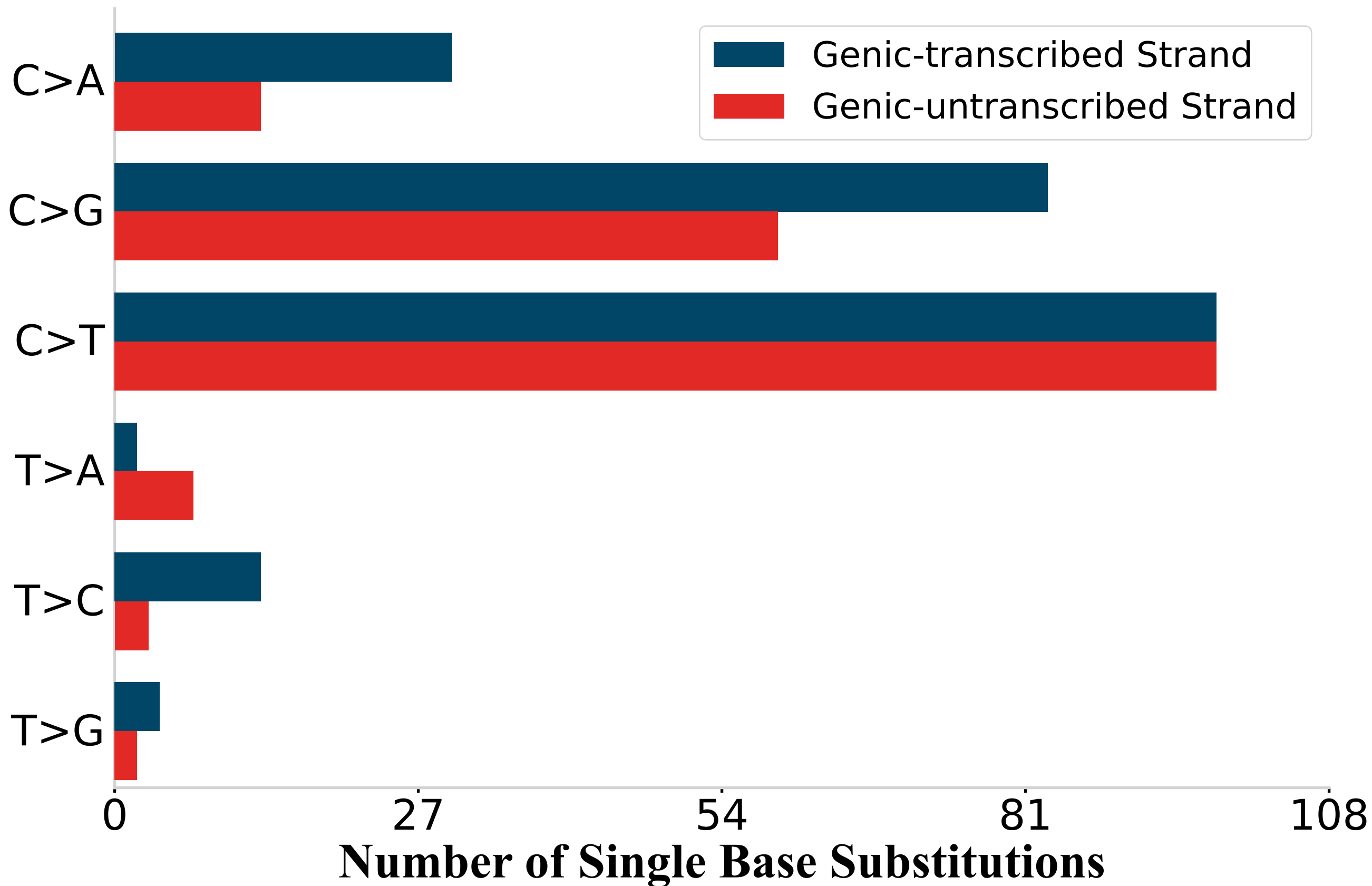
TCGA-G2-A2ES-01A-11D-A17V-08: 499 transcribed



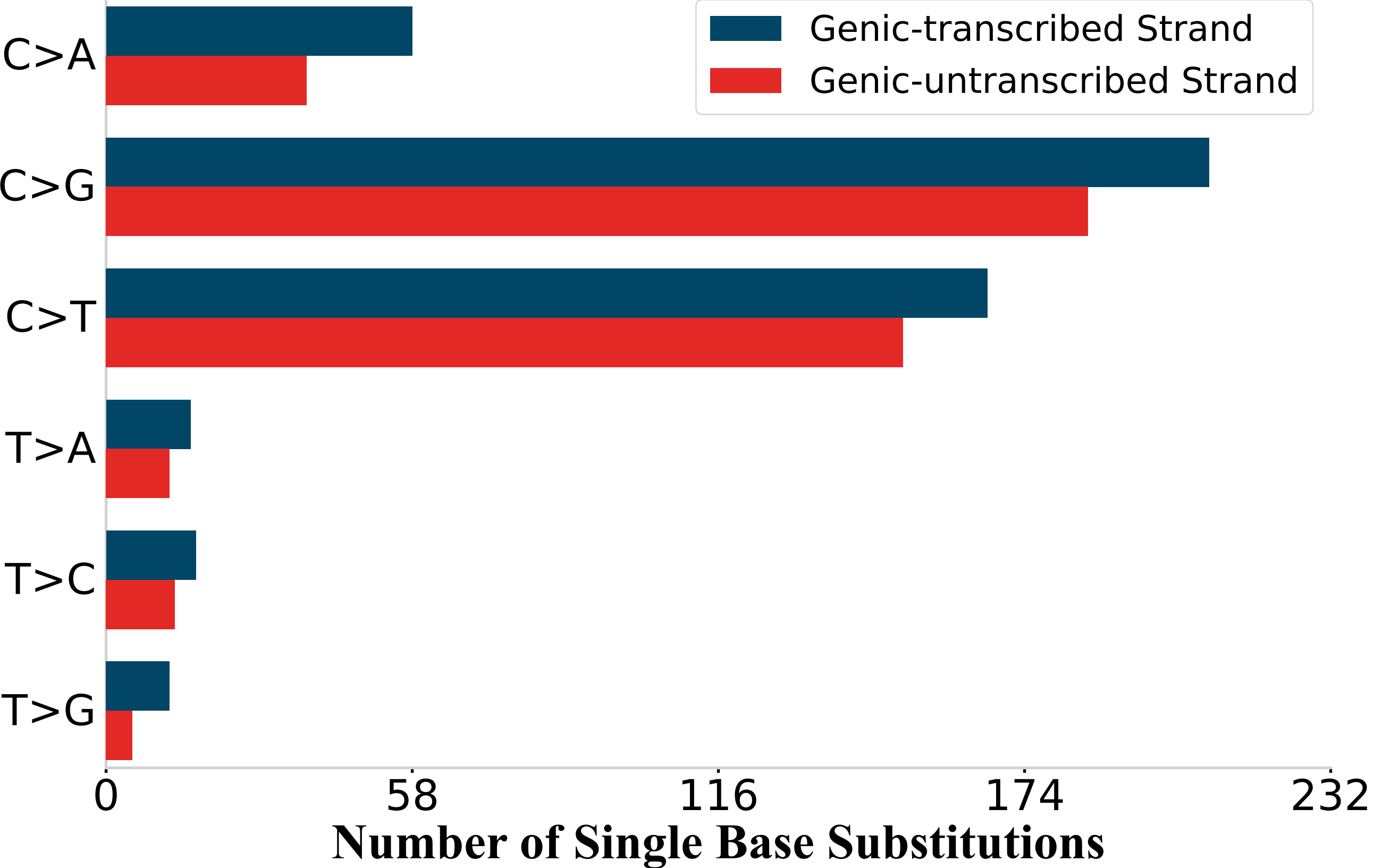
TCGA-G2-A3IB-01A-11D-A20D-08: 114 transcribed



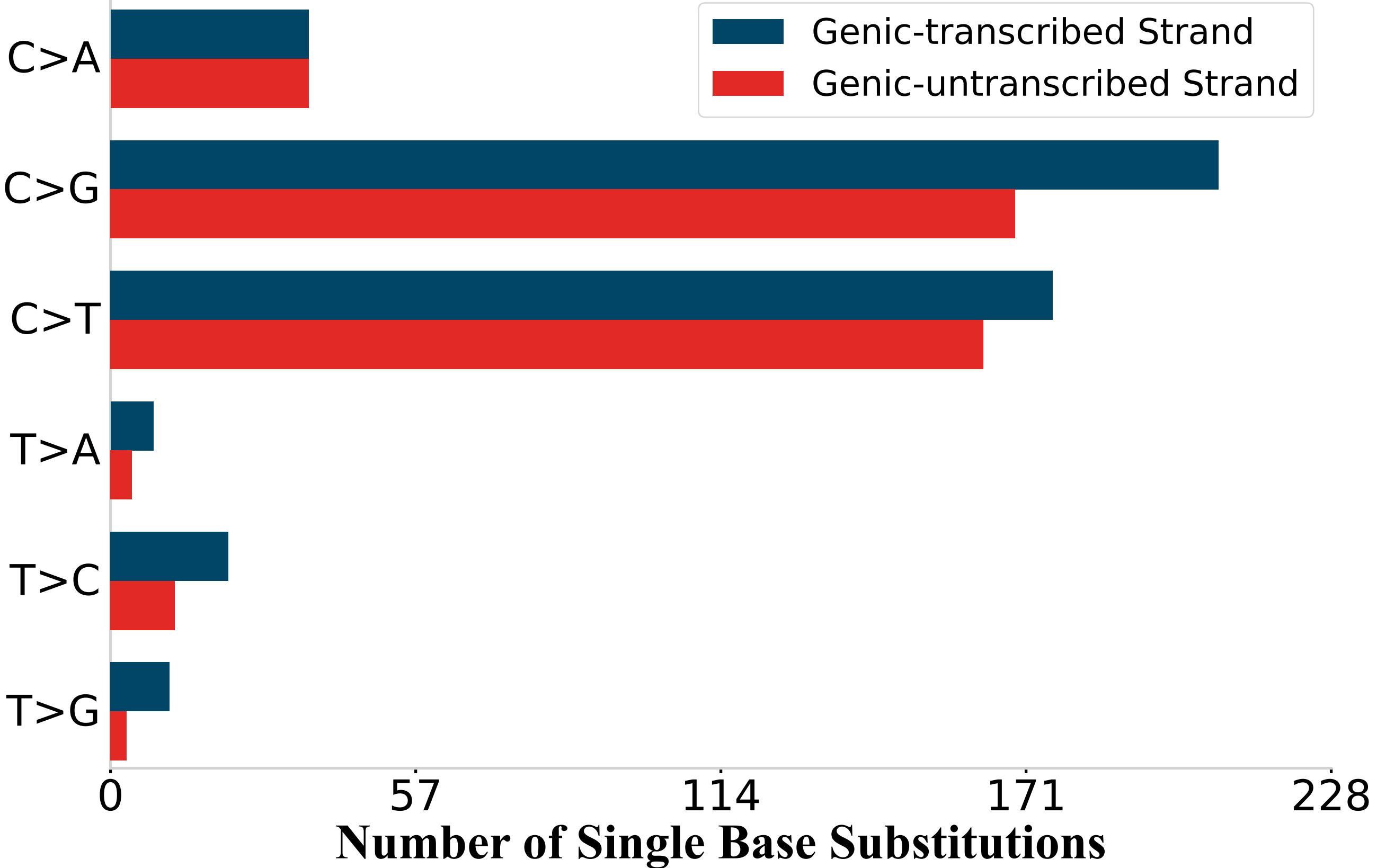
TCGA-G2-A3IE-01A-11D-A20D-08: 412 transcribed



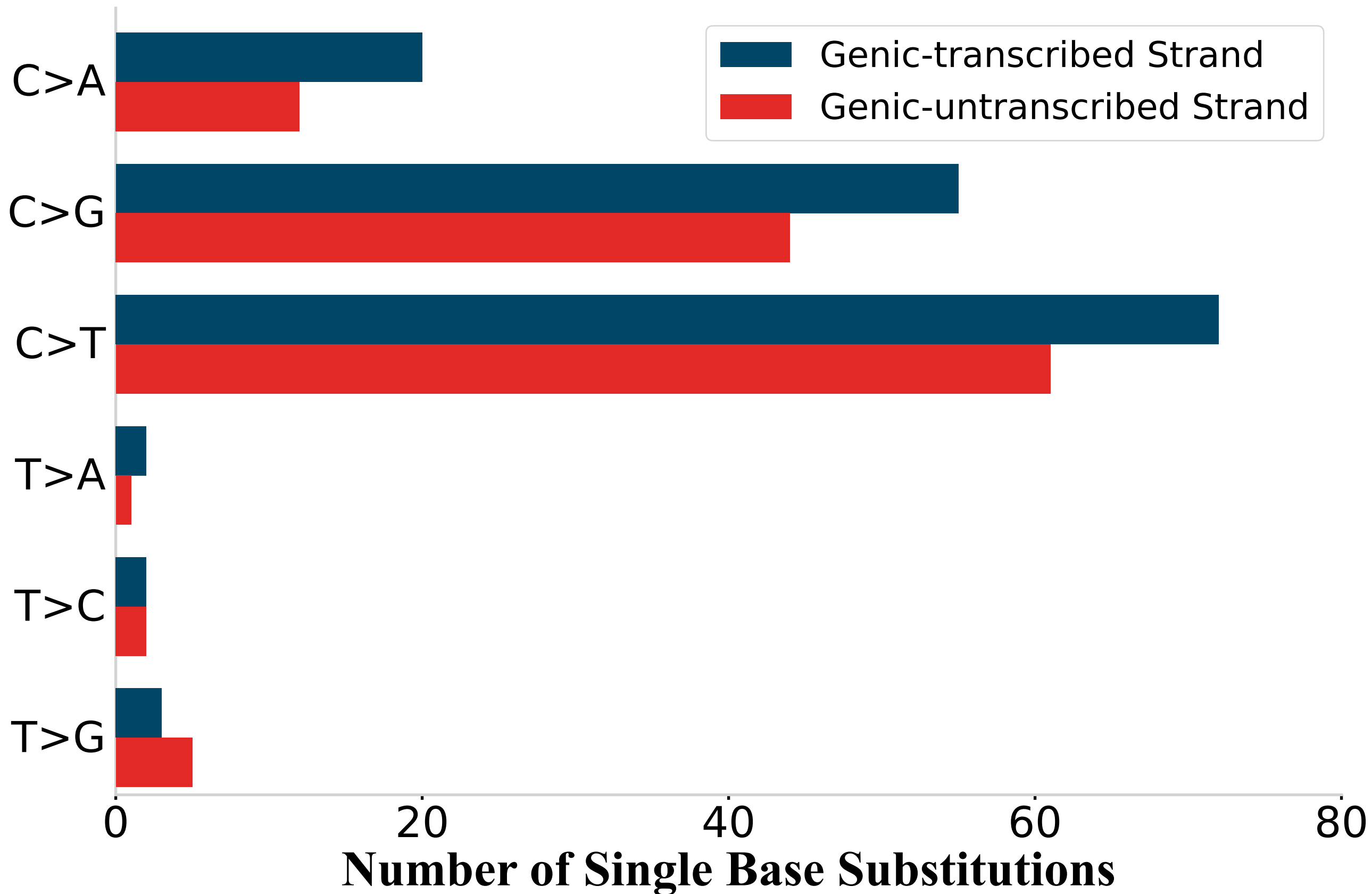
TCGA-G2-A3VY-01A-11D-A22Z-08: 884 transcribed



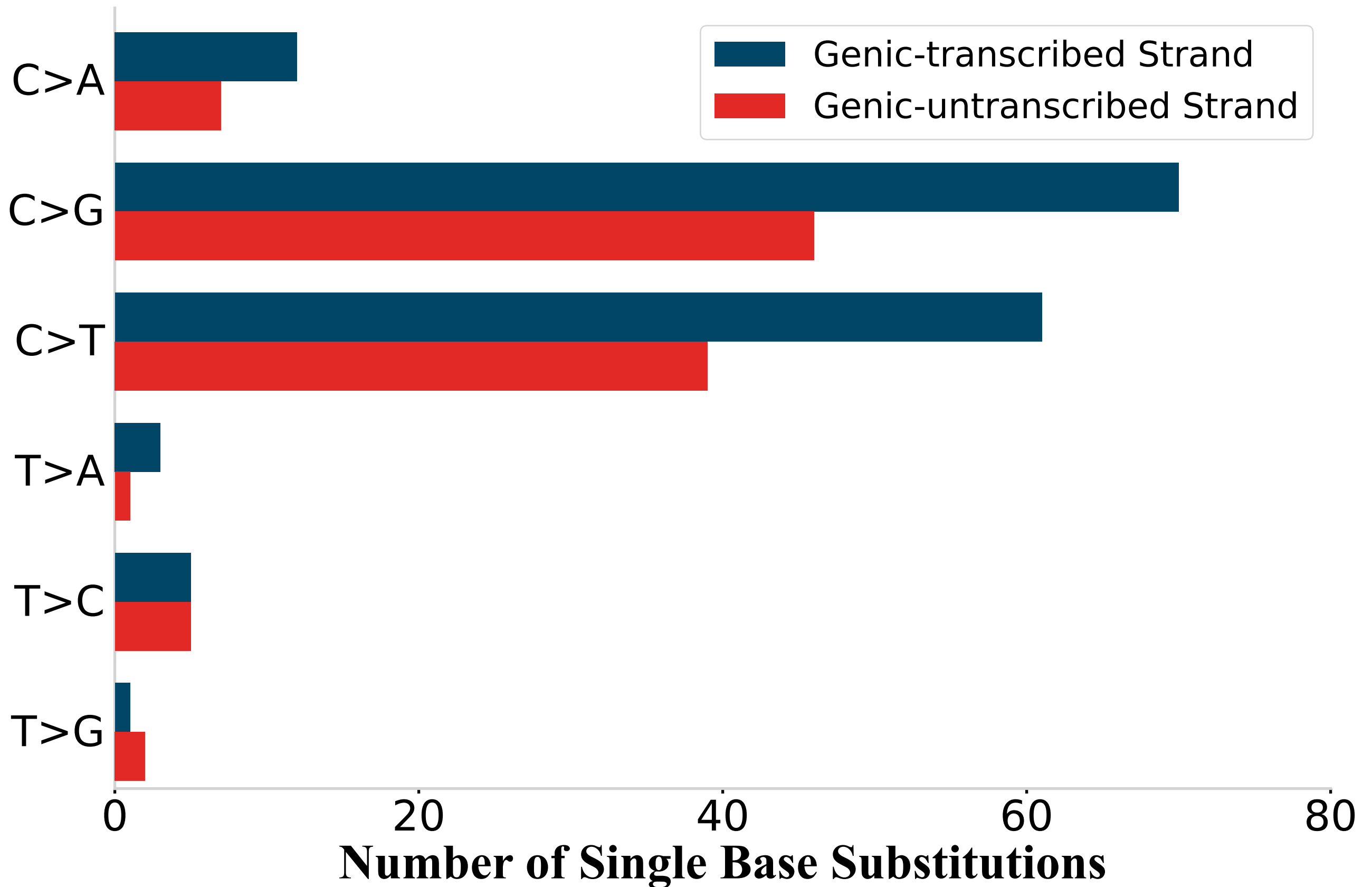
TCGA-G2-AA3B-01A-11D-A391-08: 849 transcribed



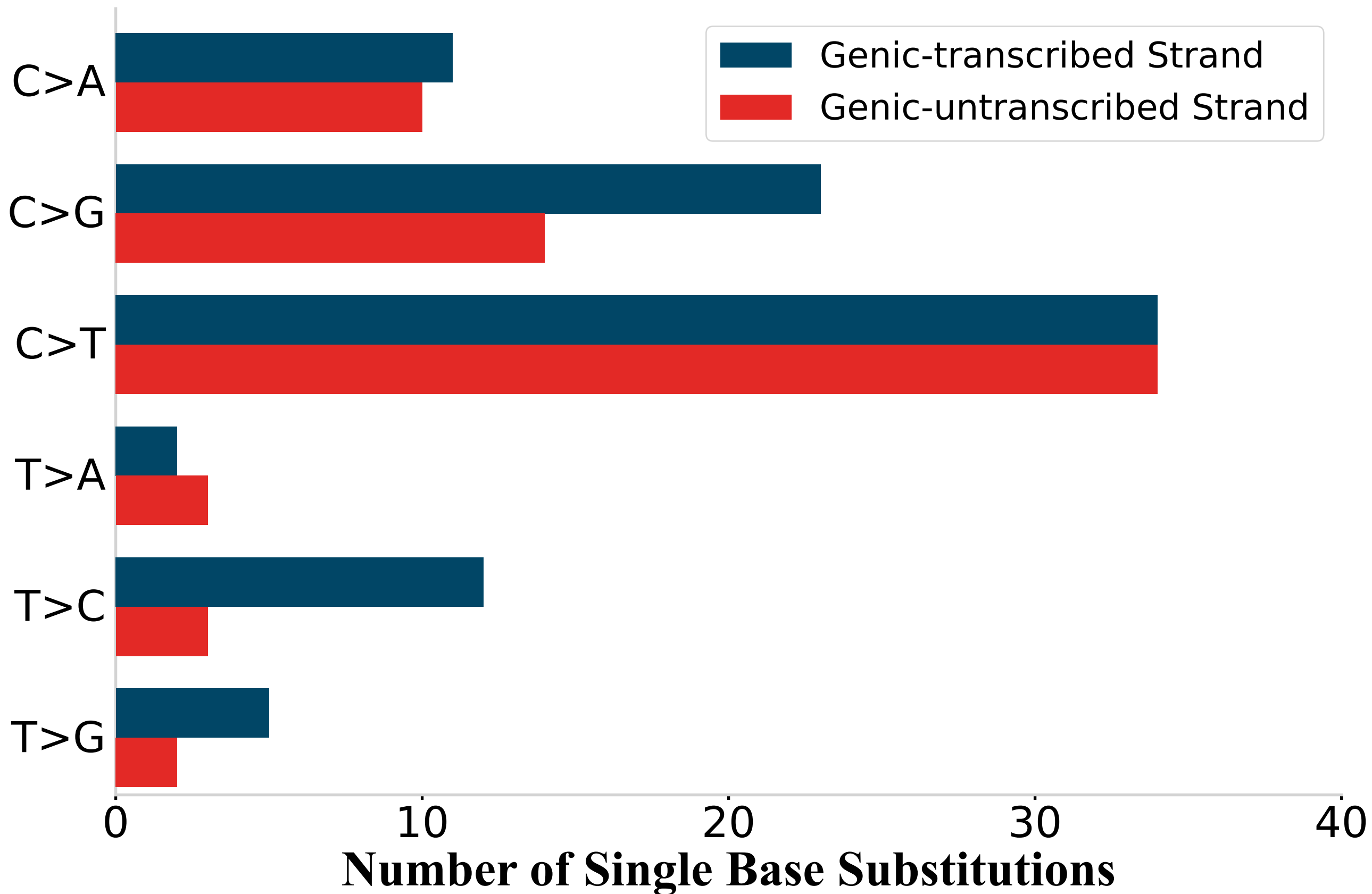
TCGA-G2-AA3C-01A-21D-A391-08: 279 transcribed



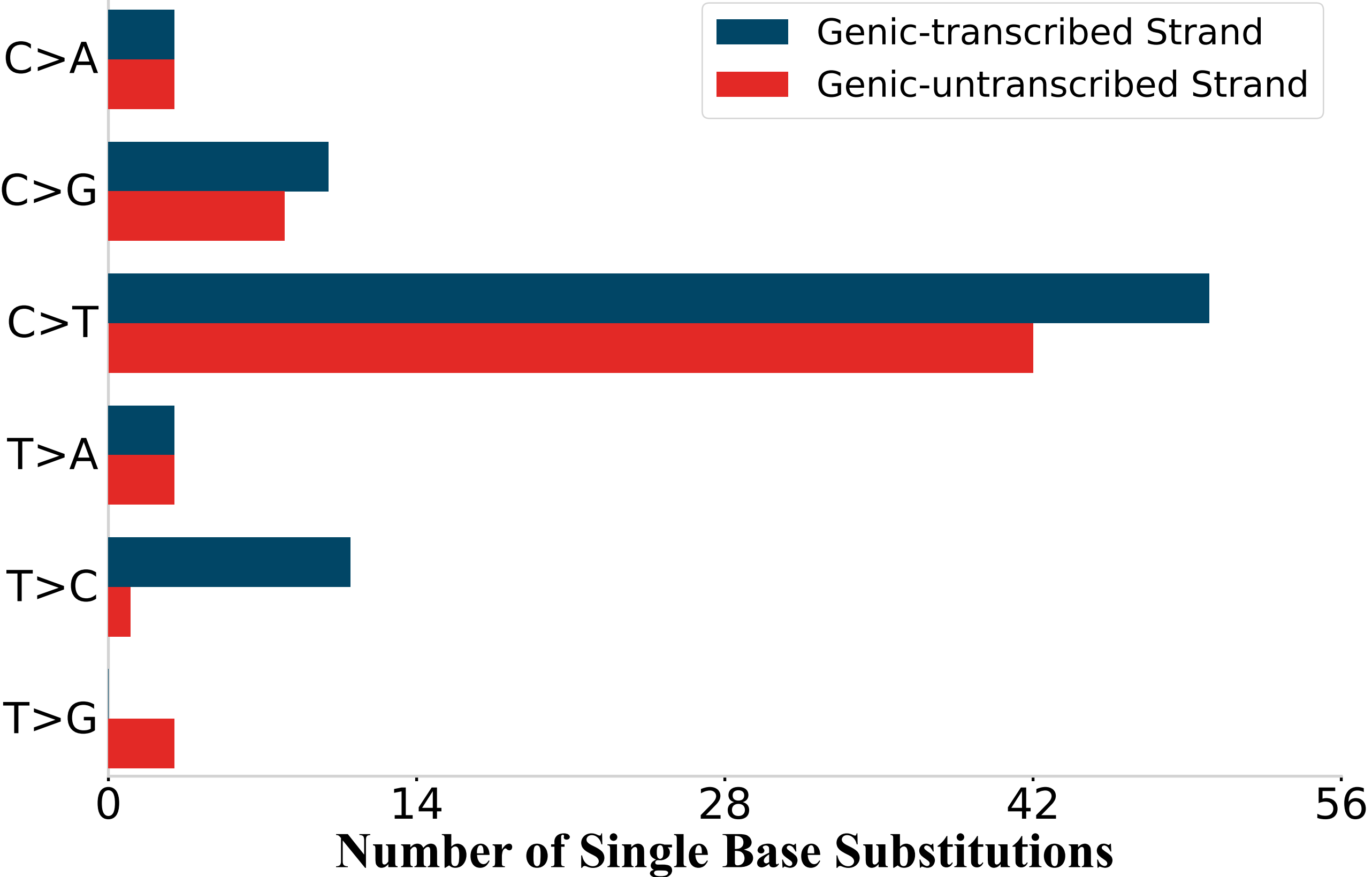
TCGA-G2-AA3D-01A-11D-A391-08: 252 transcribed



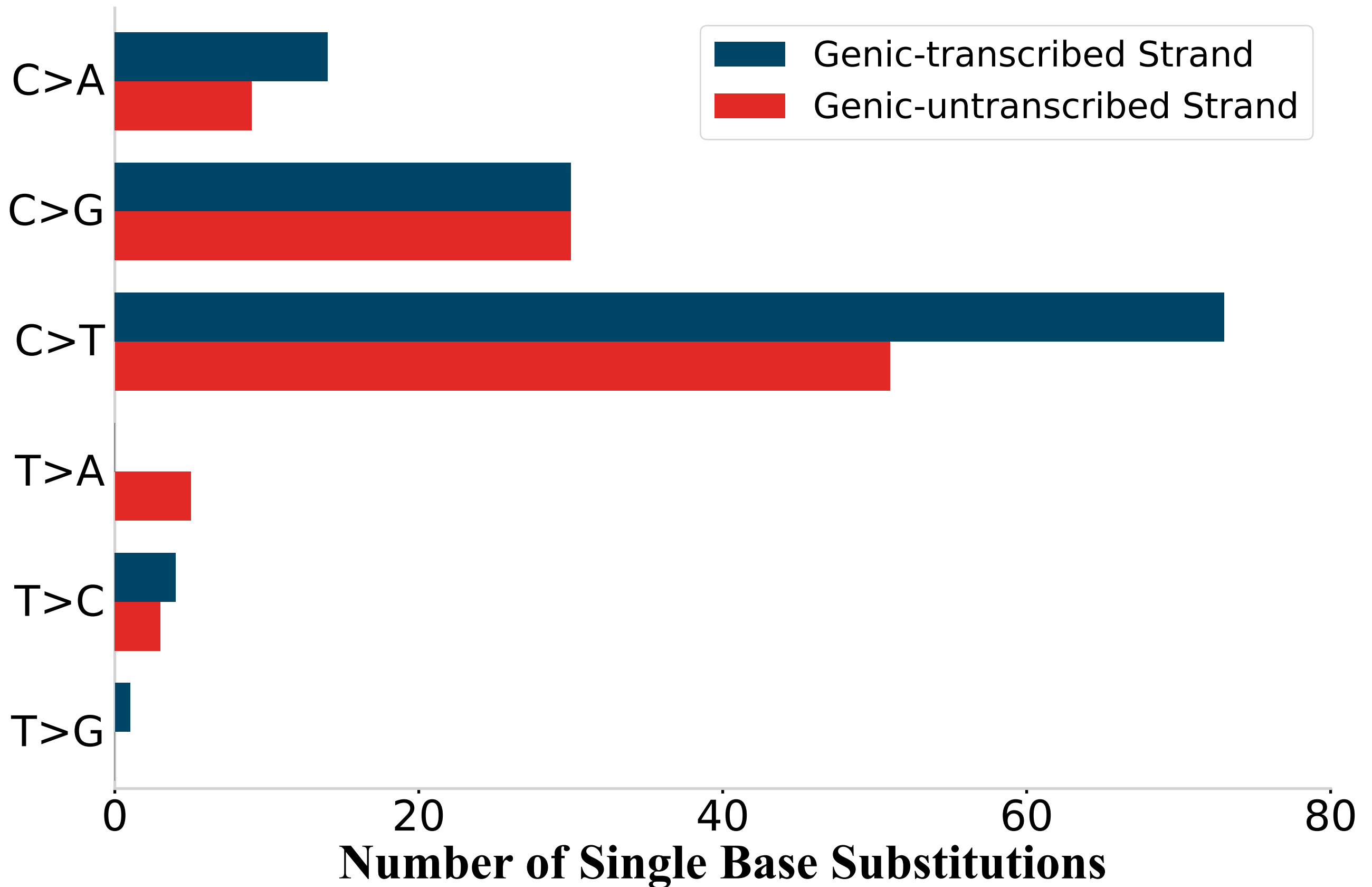
TCGA-G2-AA3F-01A-12D-A42E-08: 153 transcribed



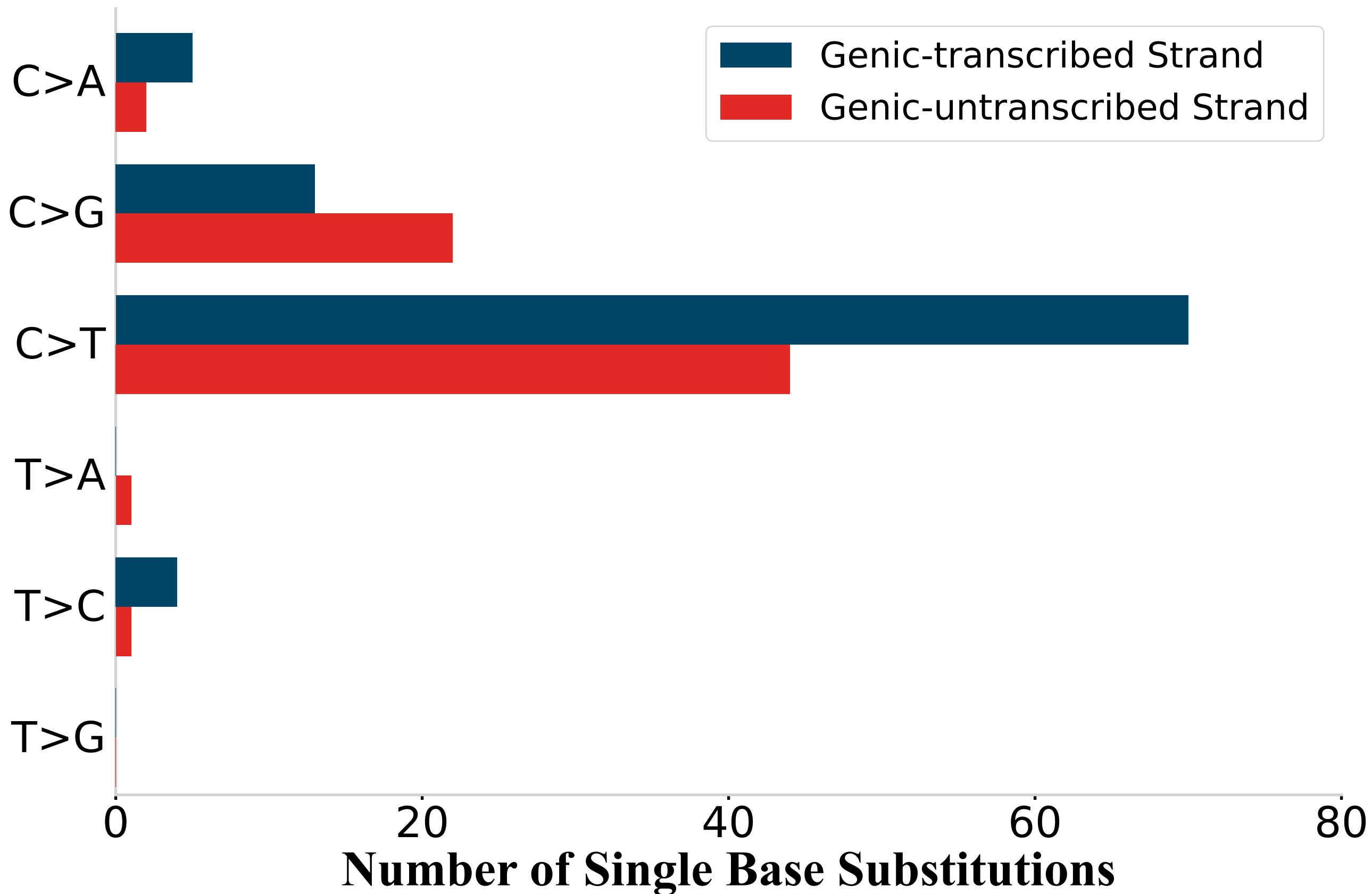
TCGA-GC-A3BM-01A-11D-A22Z-08: 137 transcribed



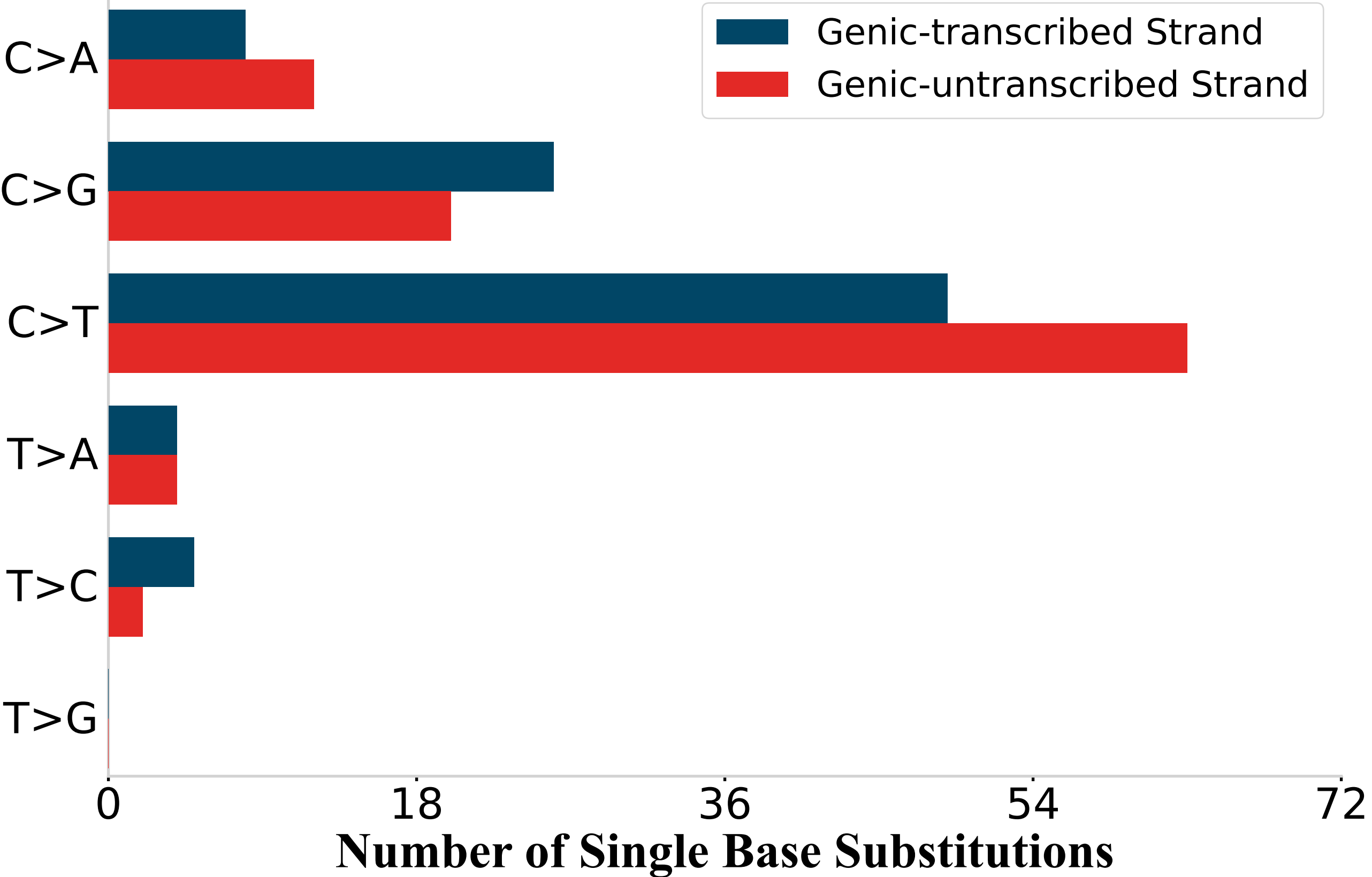
TCGA-GC-A3I6-01A-11D-A20D-08: 220 transcribed



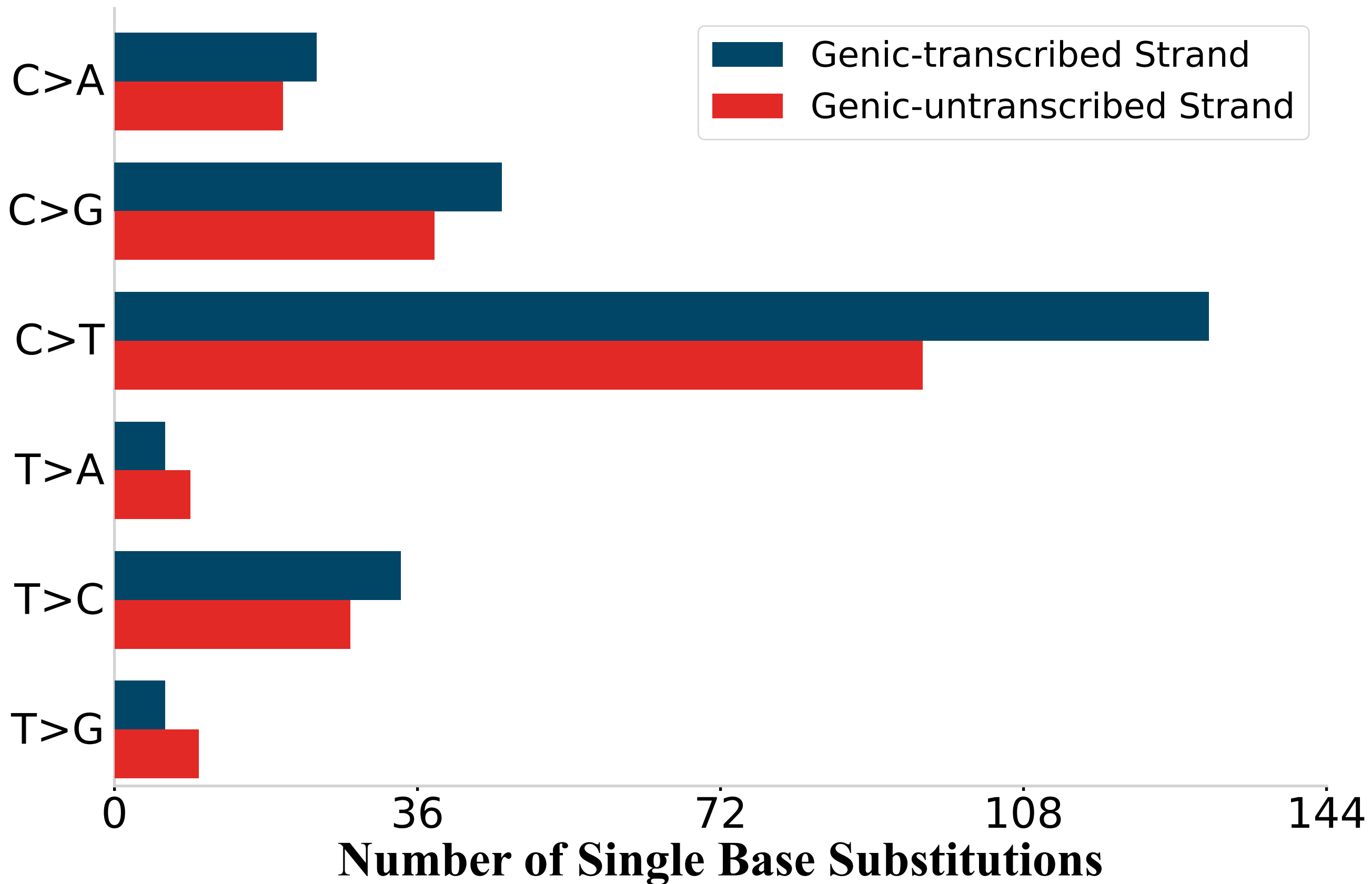
TCGA-GC-A300-01A-11D-A22Z-08: 162 transcribe



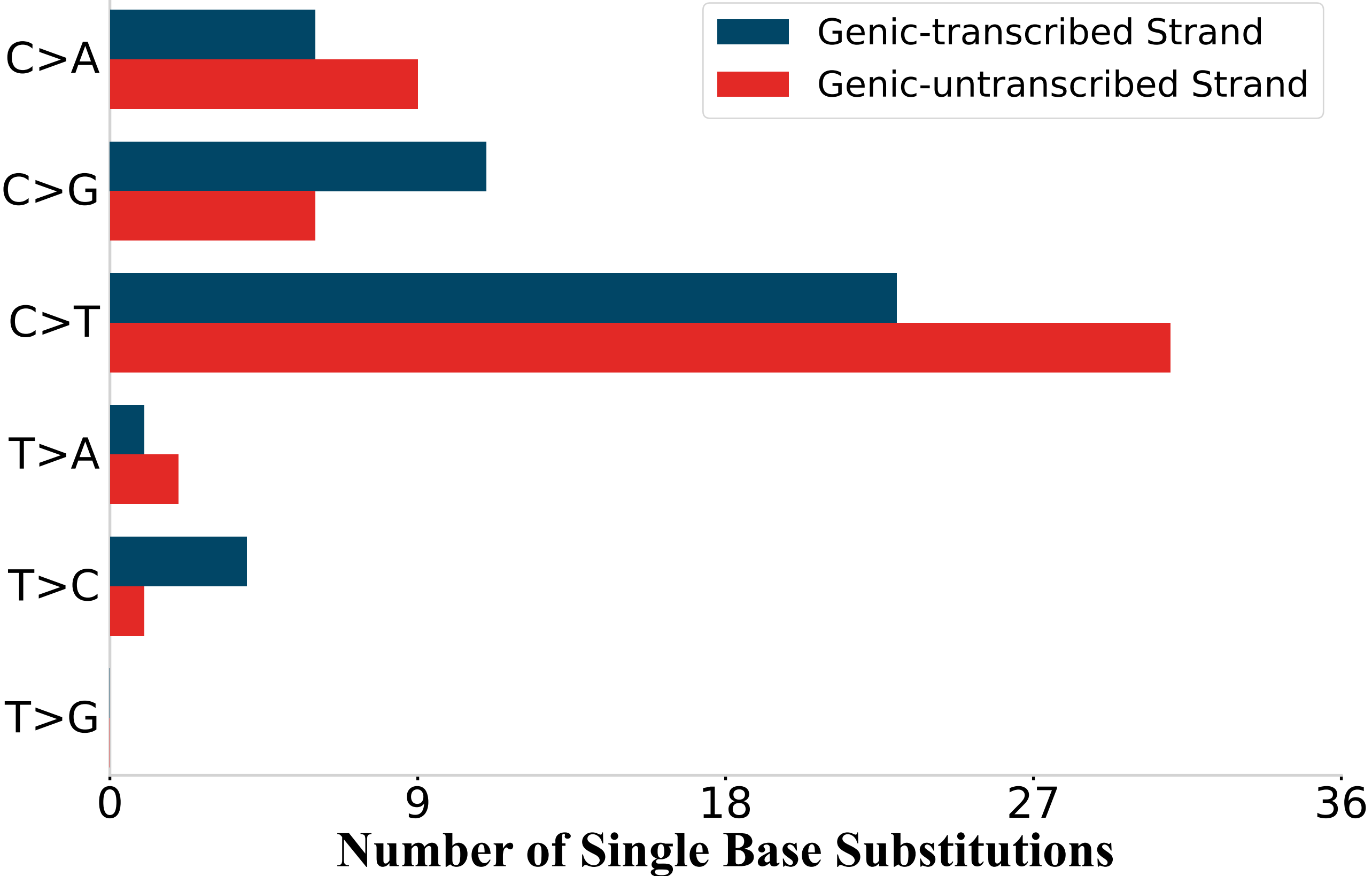
TCGA-GC-A3RB-01A-12D-A21Z-08: 193 transcribed



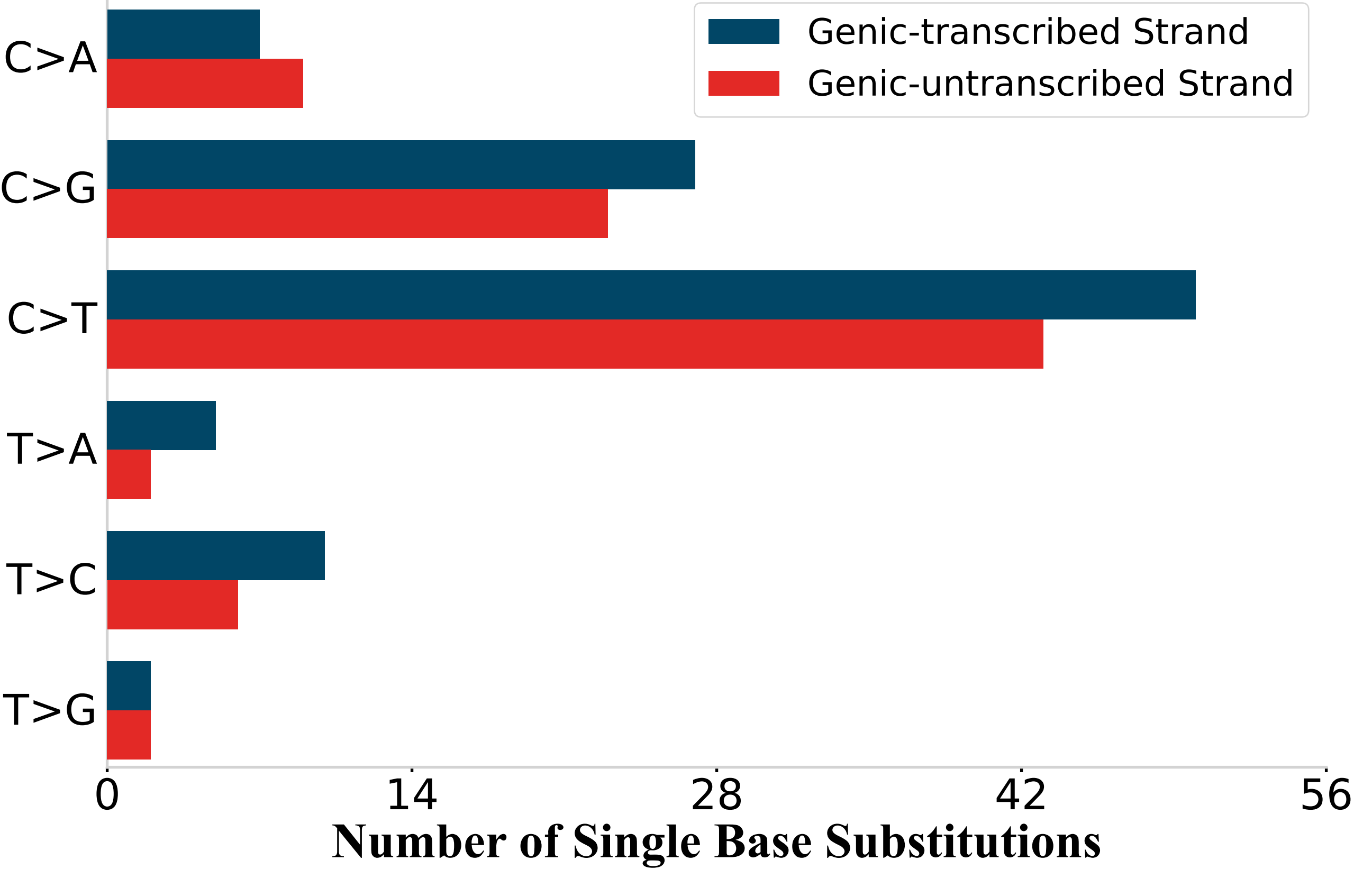
TCGA-GC-A3RC-01A-11D-A22Z-08: 447 transcribe



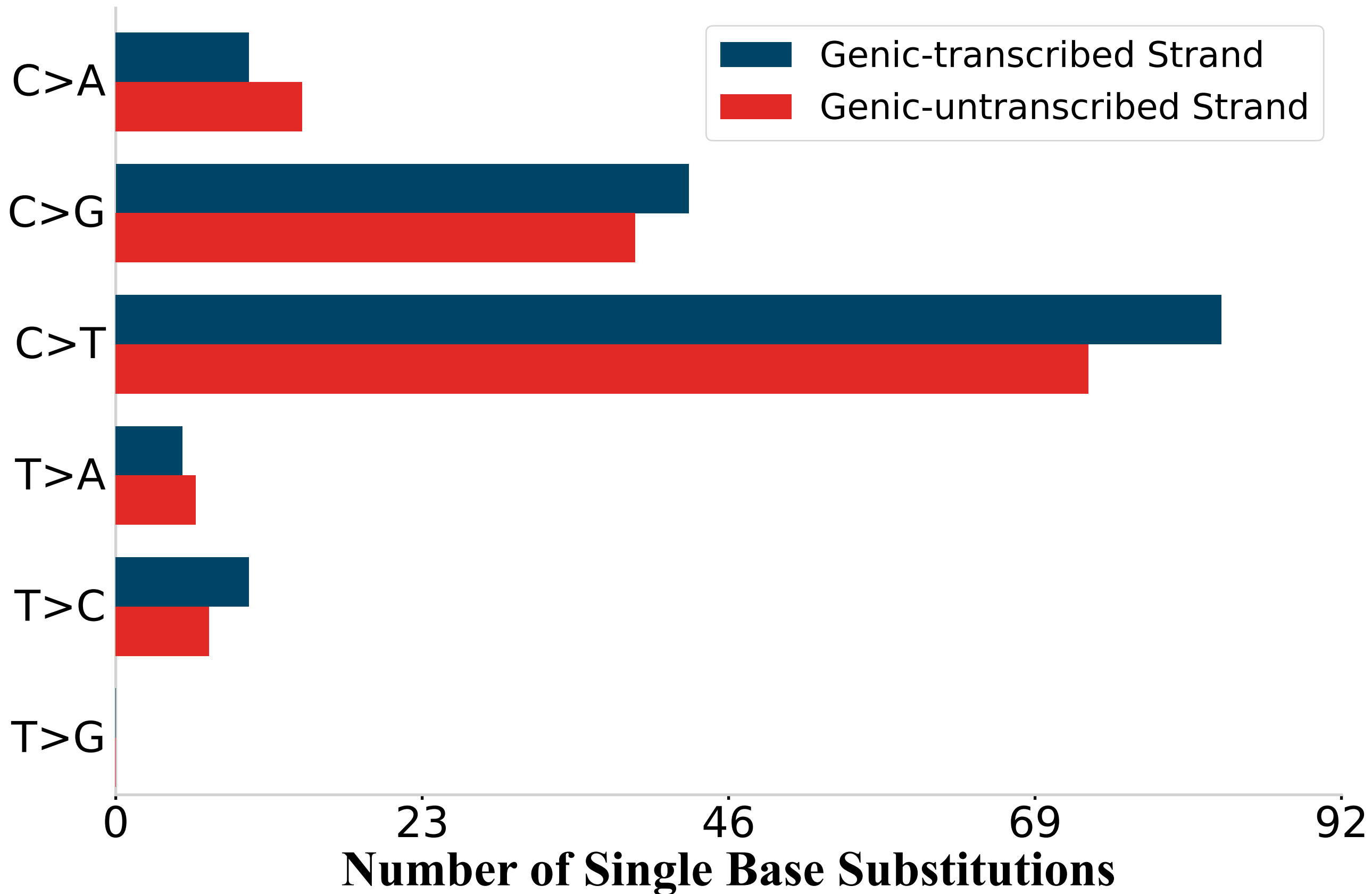
TCGA-GC-A3RD-01A-12D-A22Z-08: 94 transcribed



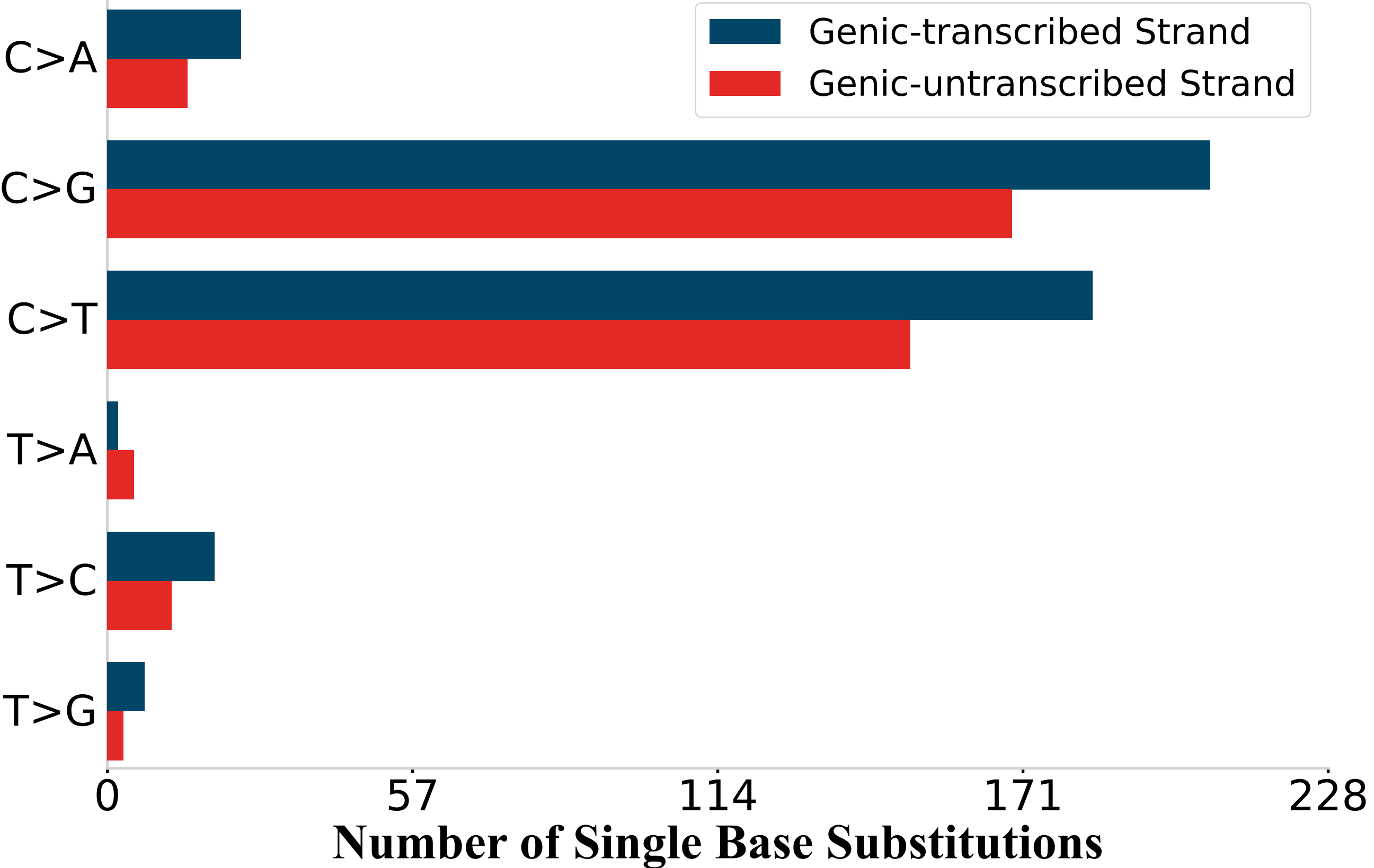
TCGA-GC-A3WC-01A-31D-A22Z-08: 186 transcribed



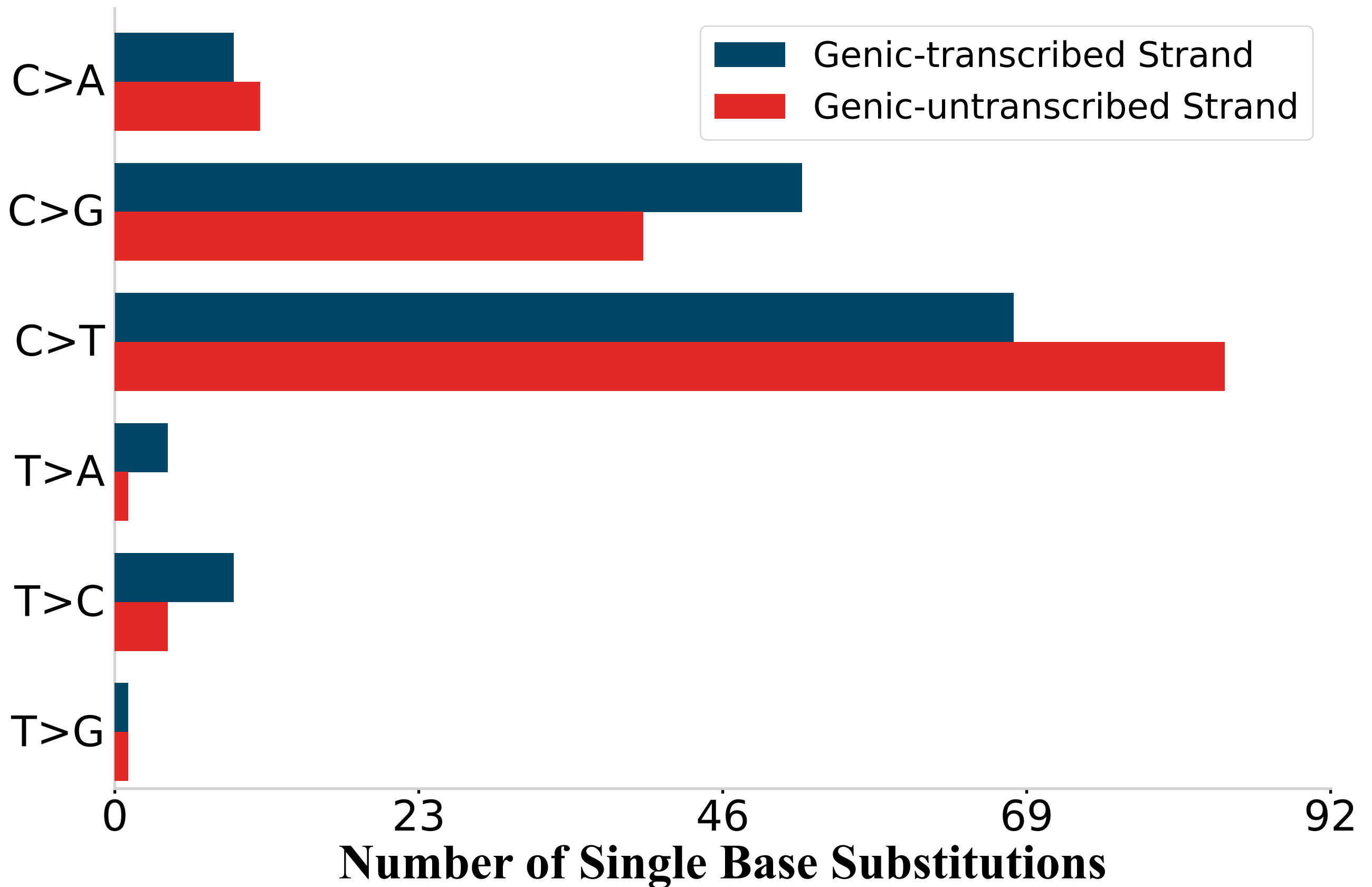
TCGA-GC-A3YS-01A-11D-A23M-08: 290 transcribe



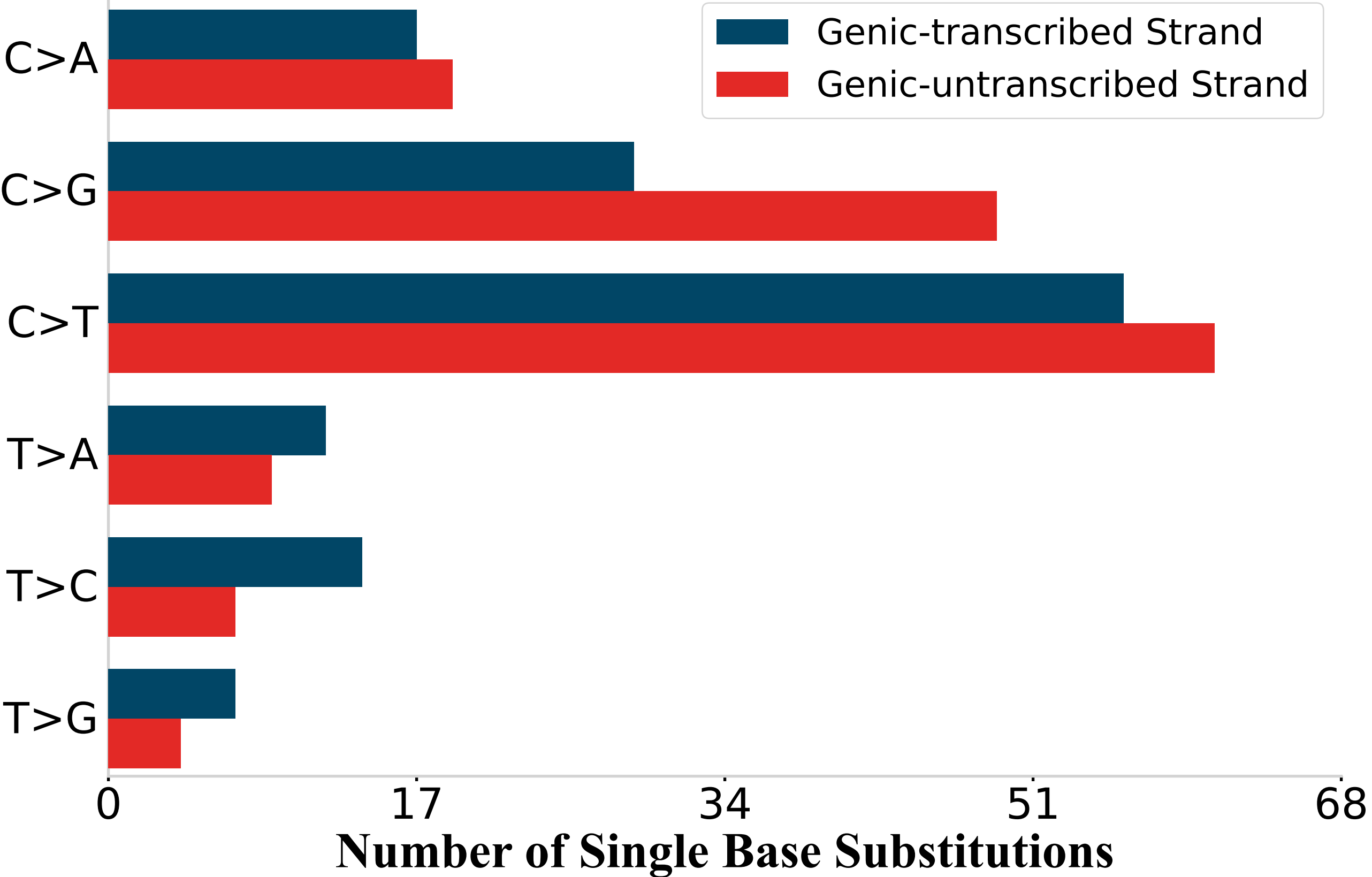
TCGA-GC-A4ZW-01A-11D-A26M-08: 798 transcribed



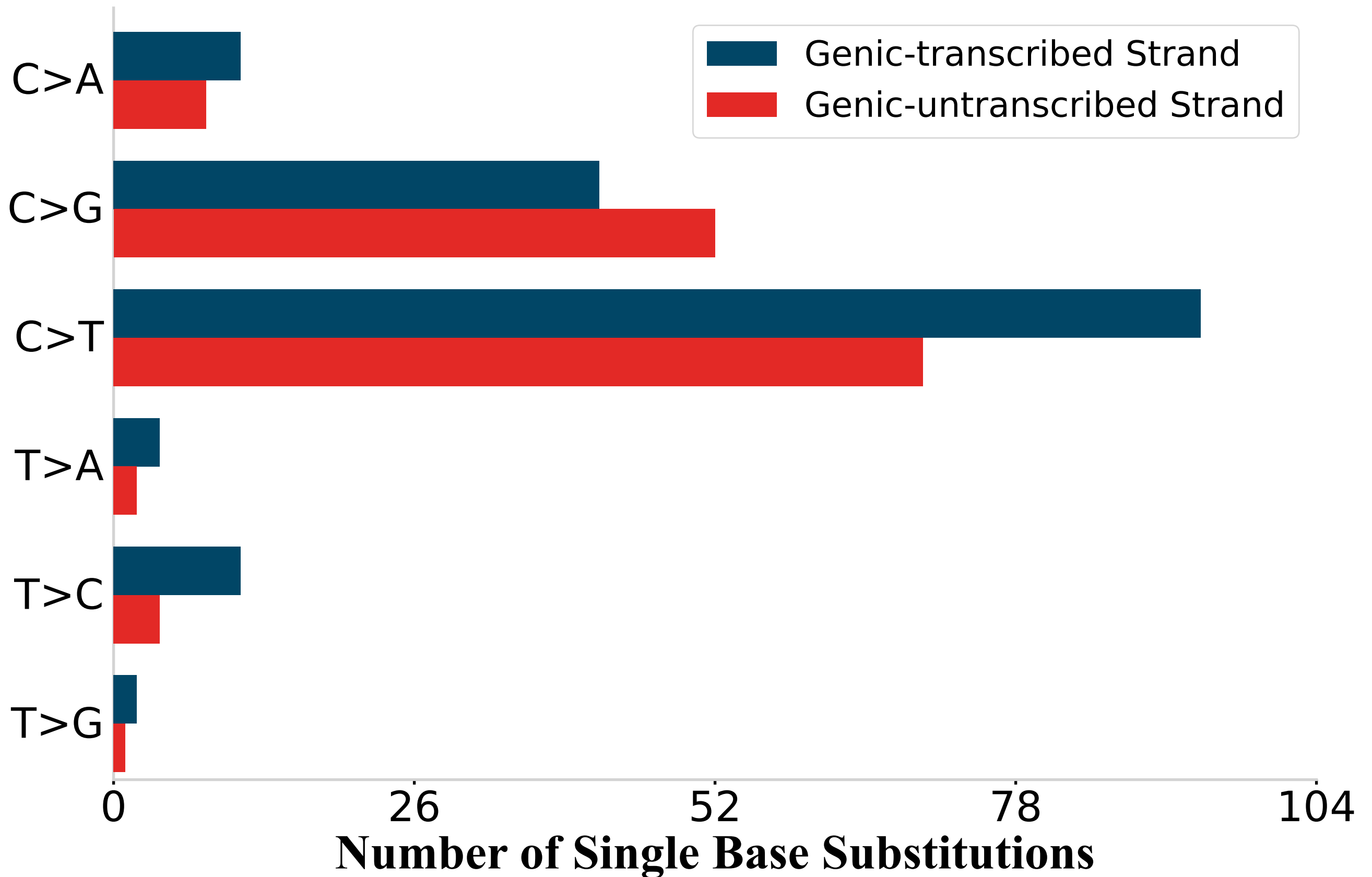
TCGA-GC-A6I1-01A-12D-A31L-08: 284 transcribed



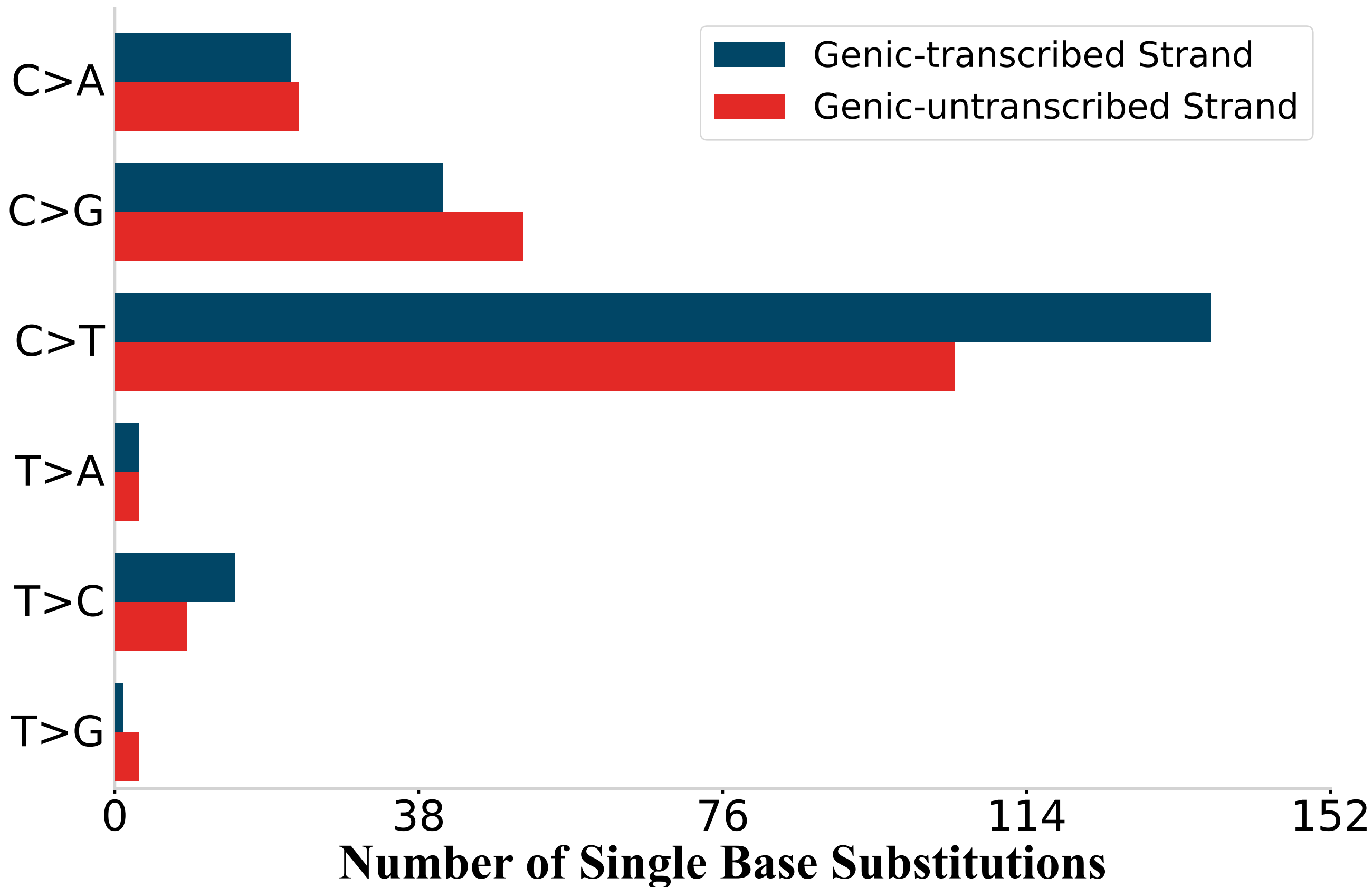
TCGA-GC-A6I3-01A-11D-A31L-08: 284 transcribed



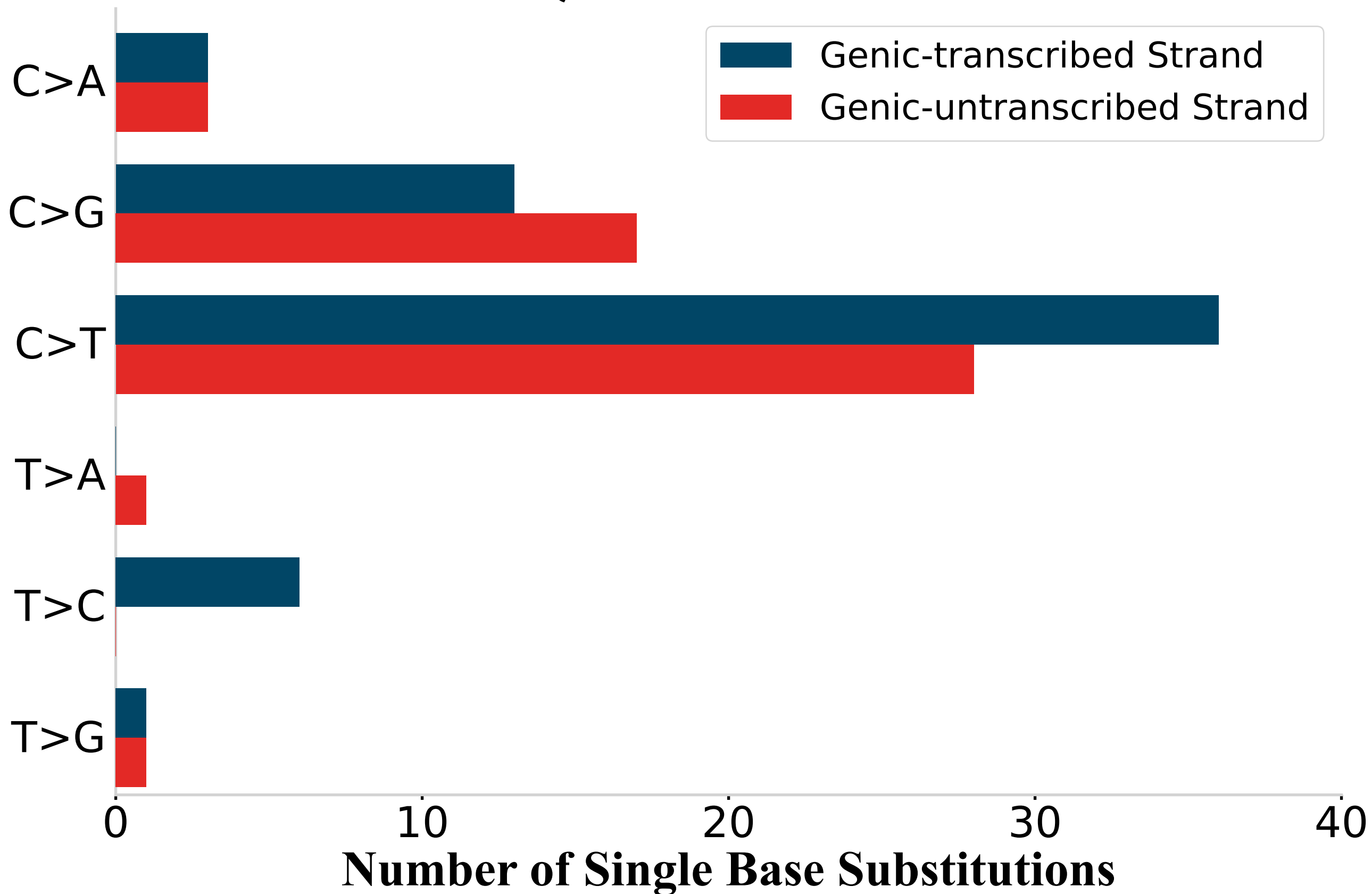
TCGA-GD-A2C5-01A-12D-A17V-08: 301 transcribed



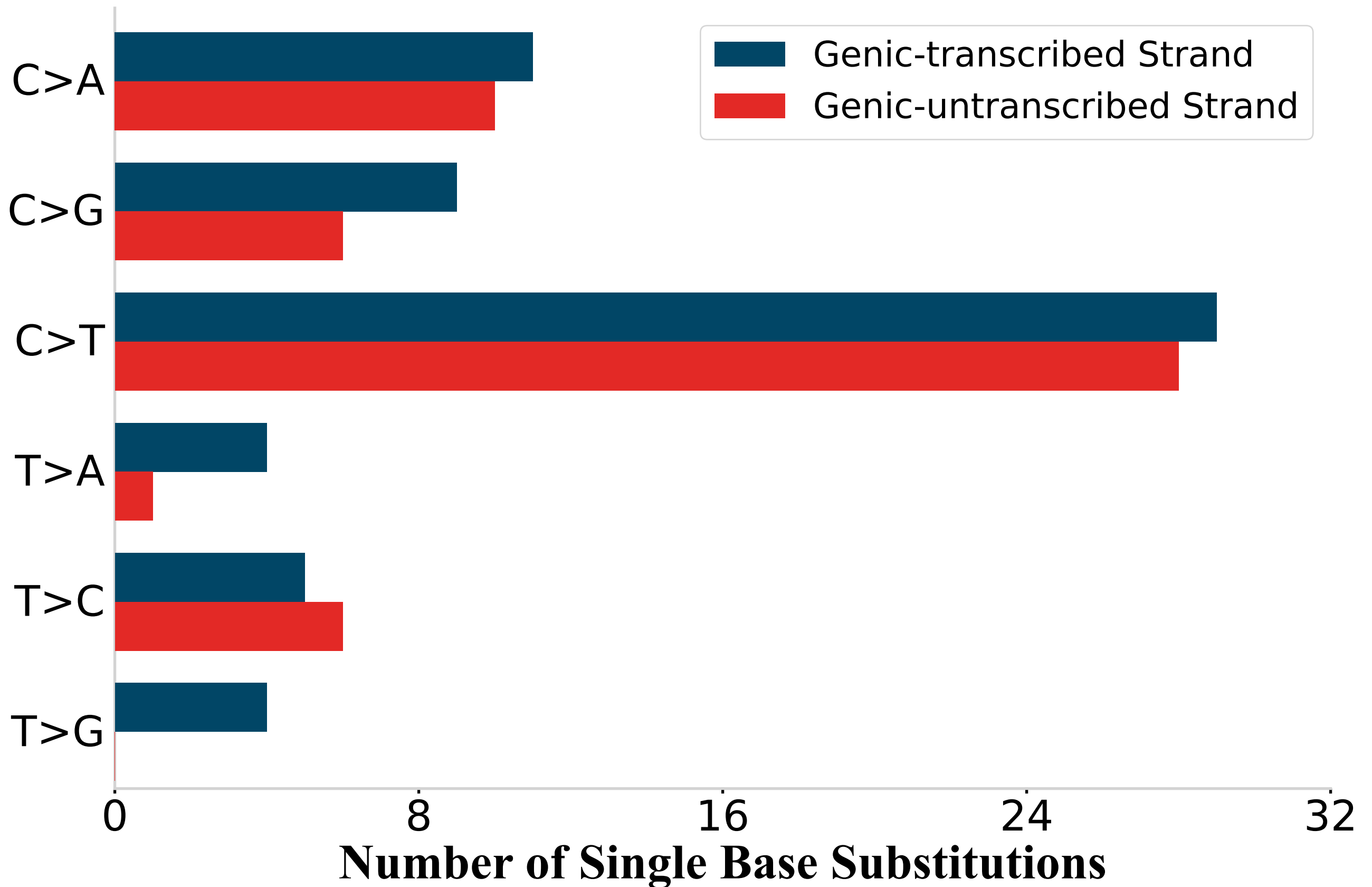
TCGA-GD-A3OP-01A-21D-A21Z-08: 413 transcribe



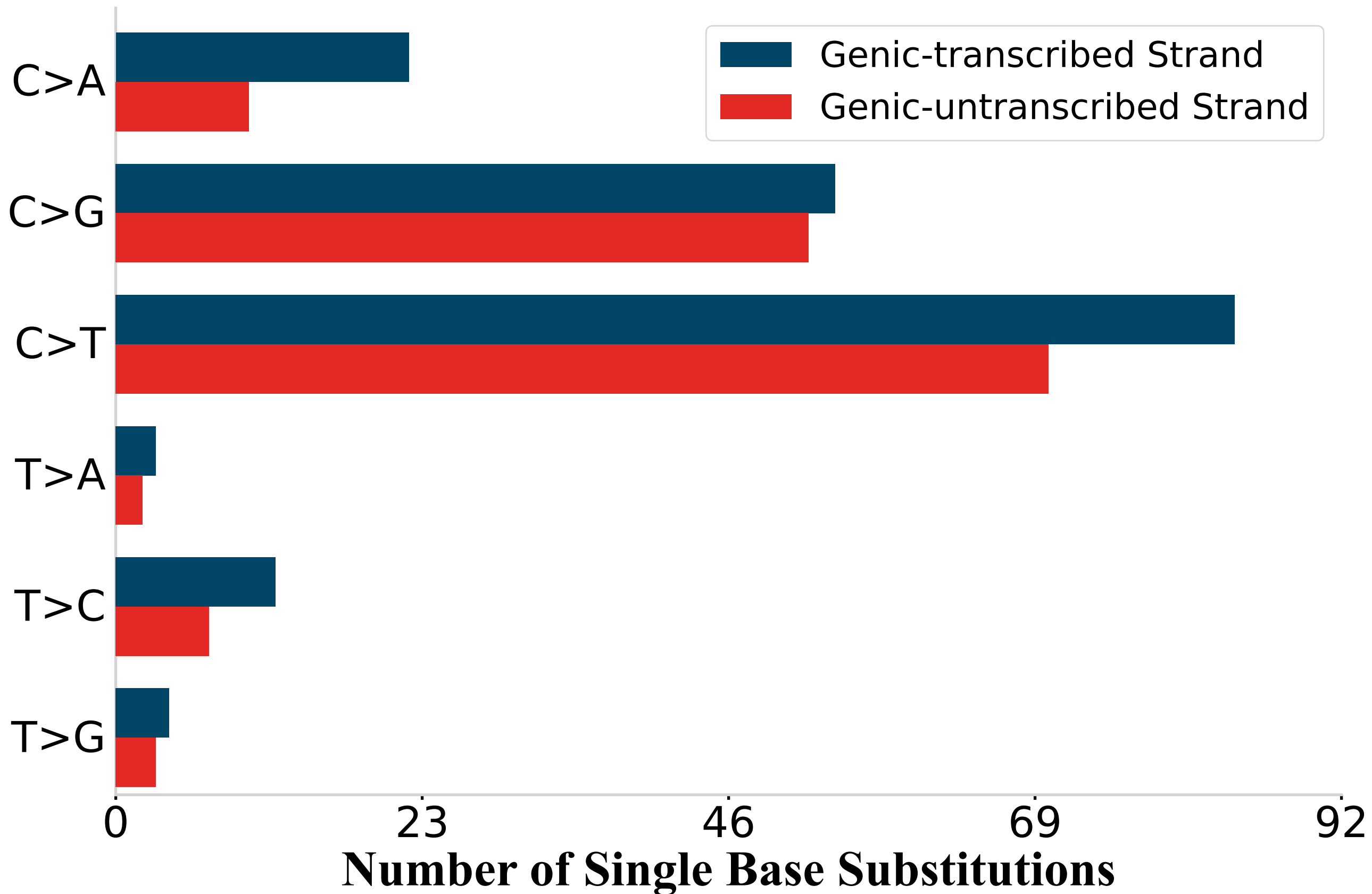
TCGA-GD-A3OQ-01A-32D-A21Z-08: 109 transcribed



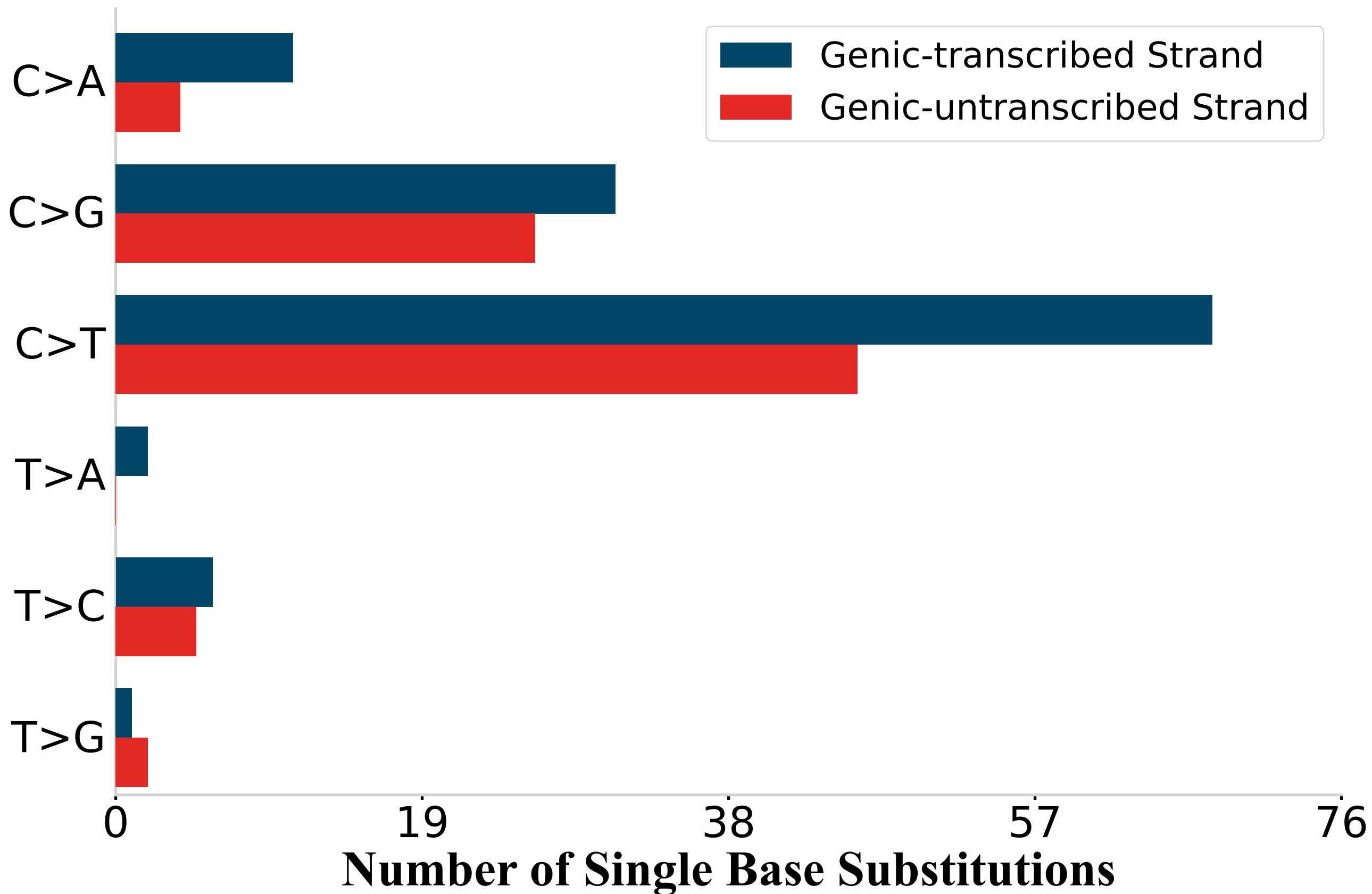
TCGA-GD-A3OS-01A-12D-A21Z-08: 113 transcribe



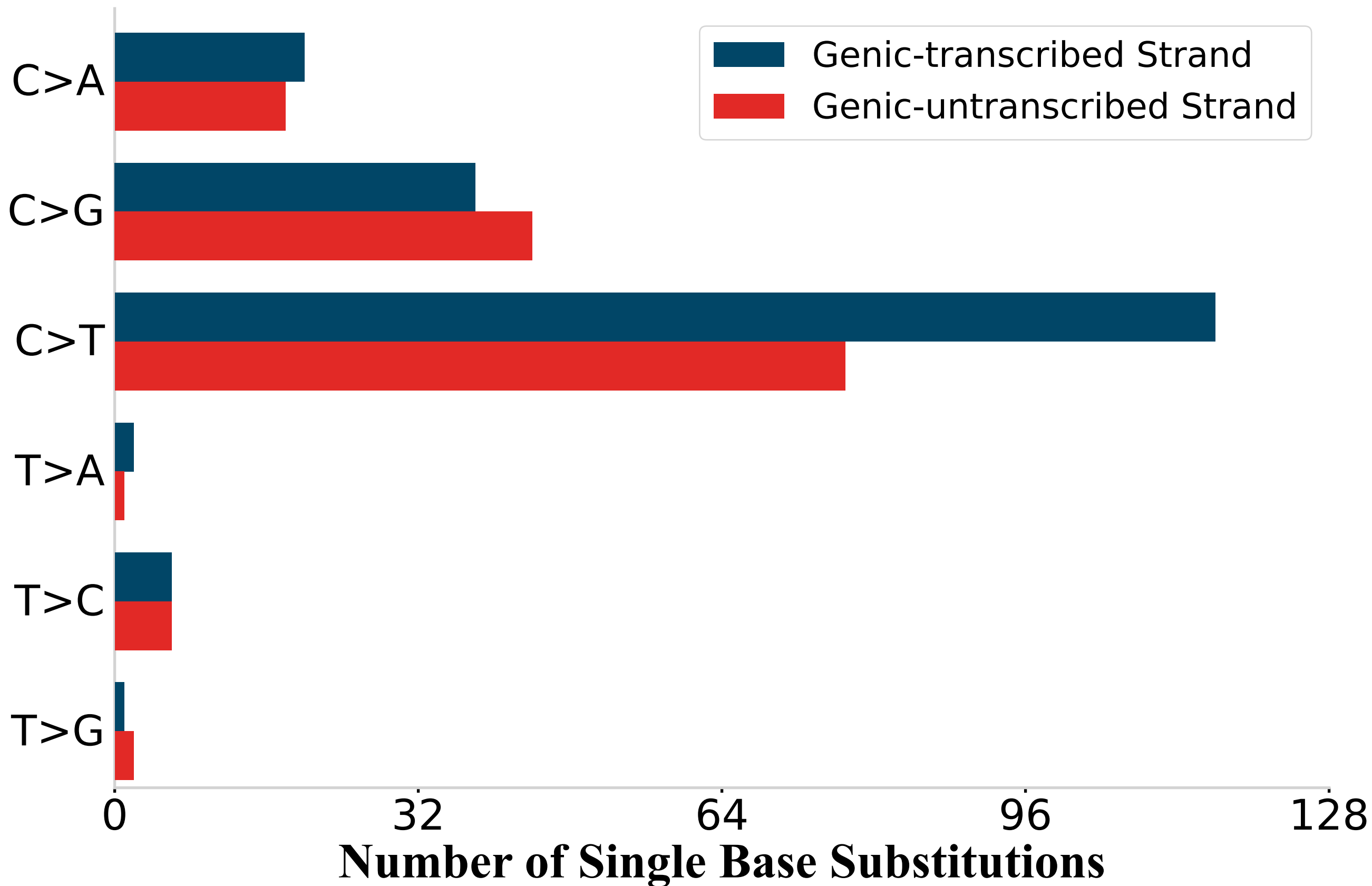
TCGA-GD-A6C6-01A-21D-A31L-08: 323 transcribed



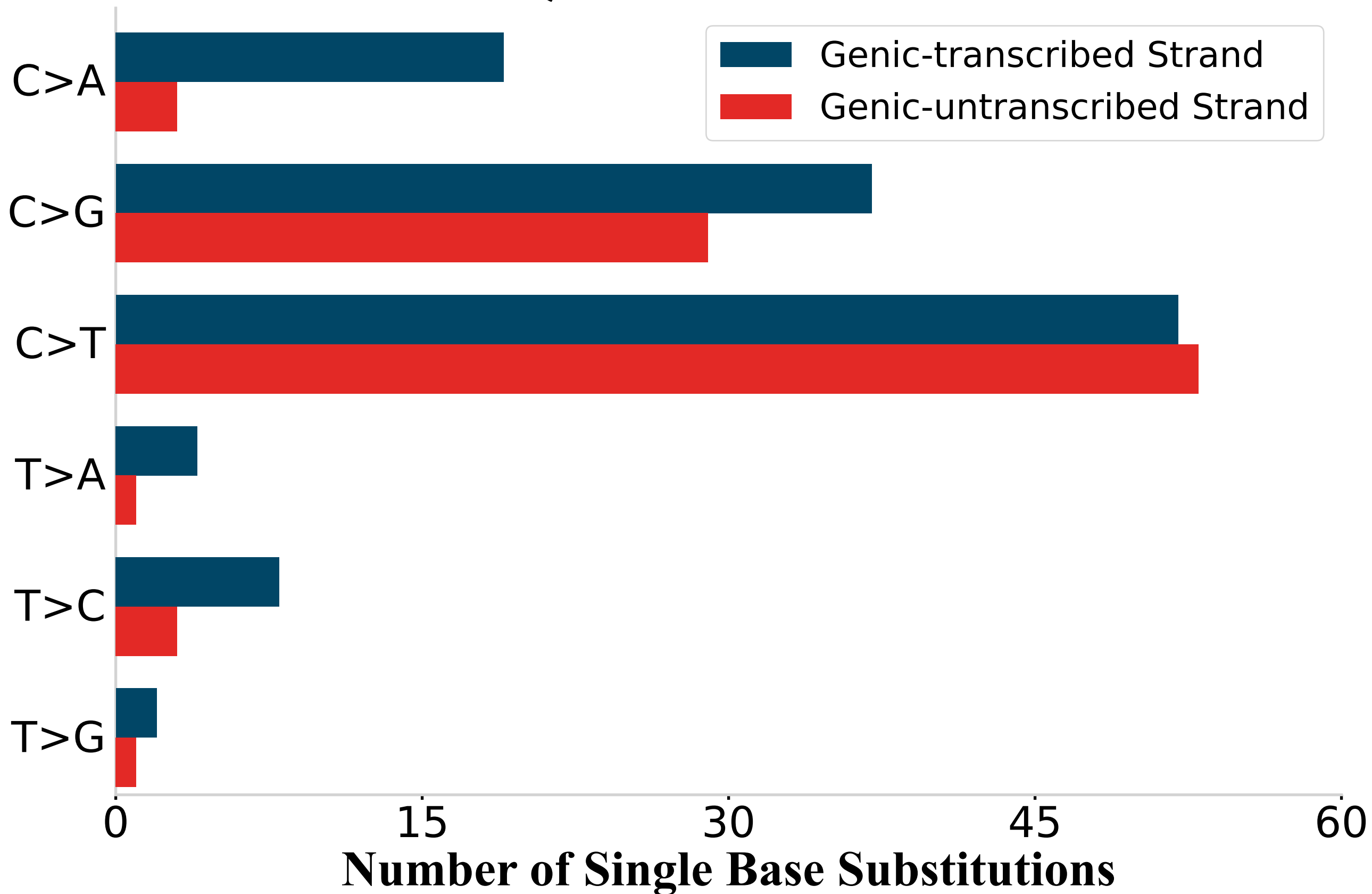
TCGA-GD-A76B-01A-11D-A32B-08: 202 transcribe



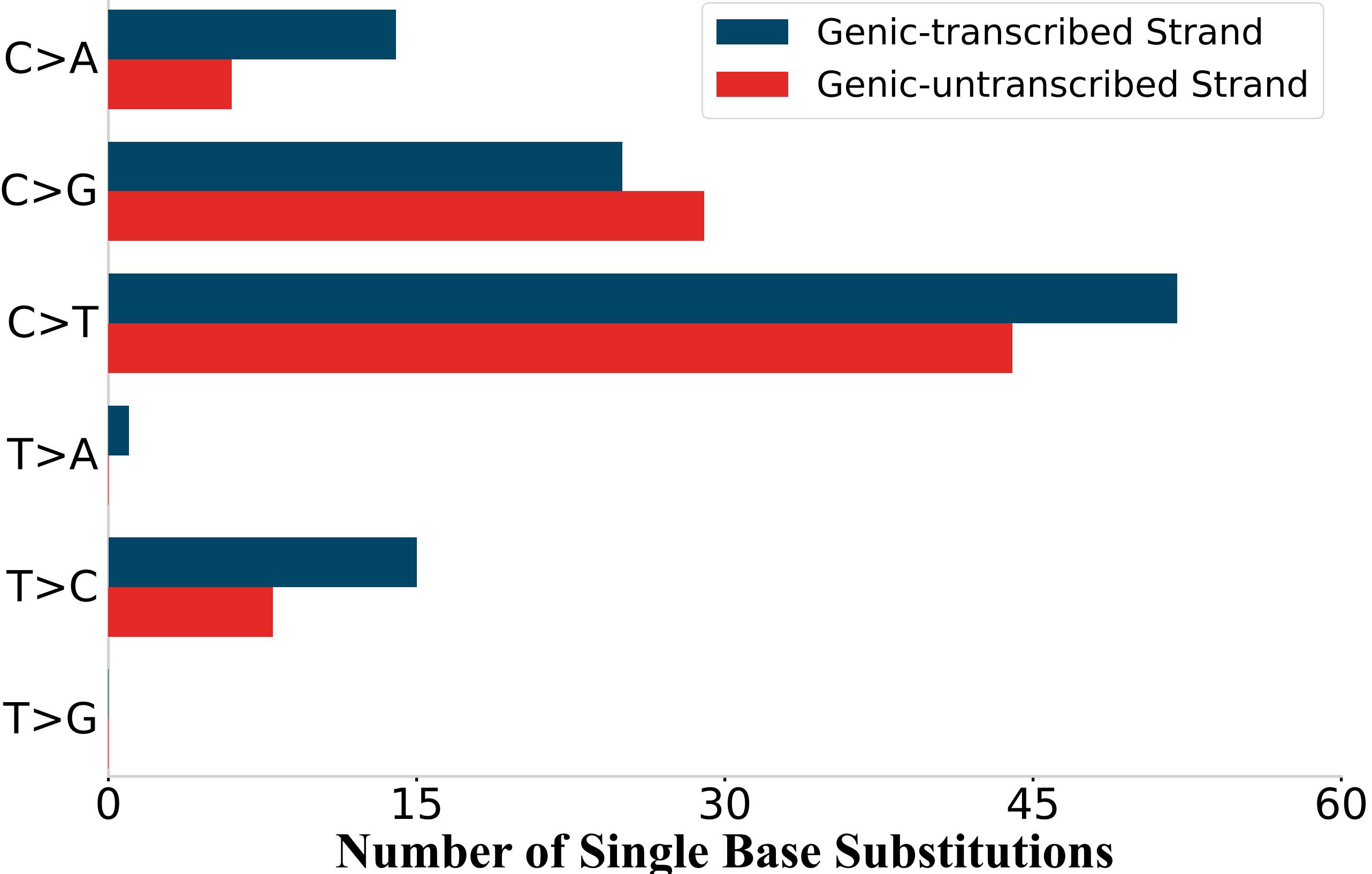
TCGA-GU-A42P-01A-11D-A23U-08: 331 transcribed



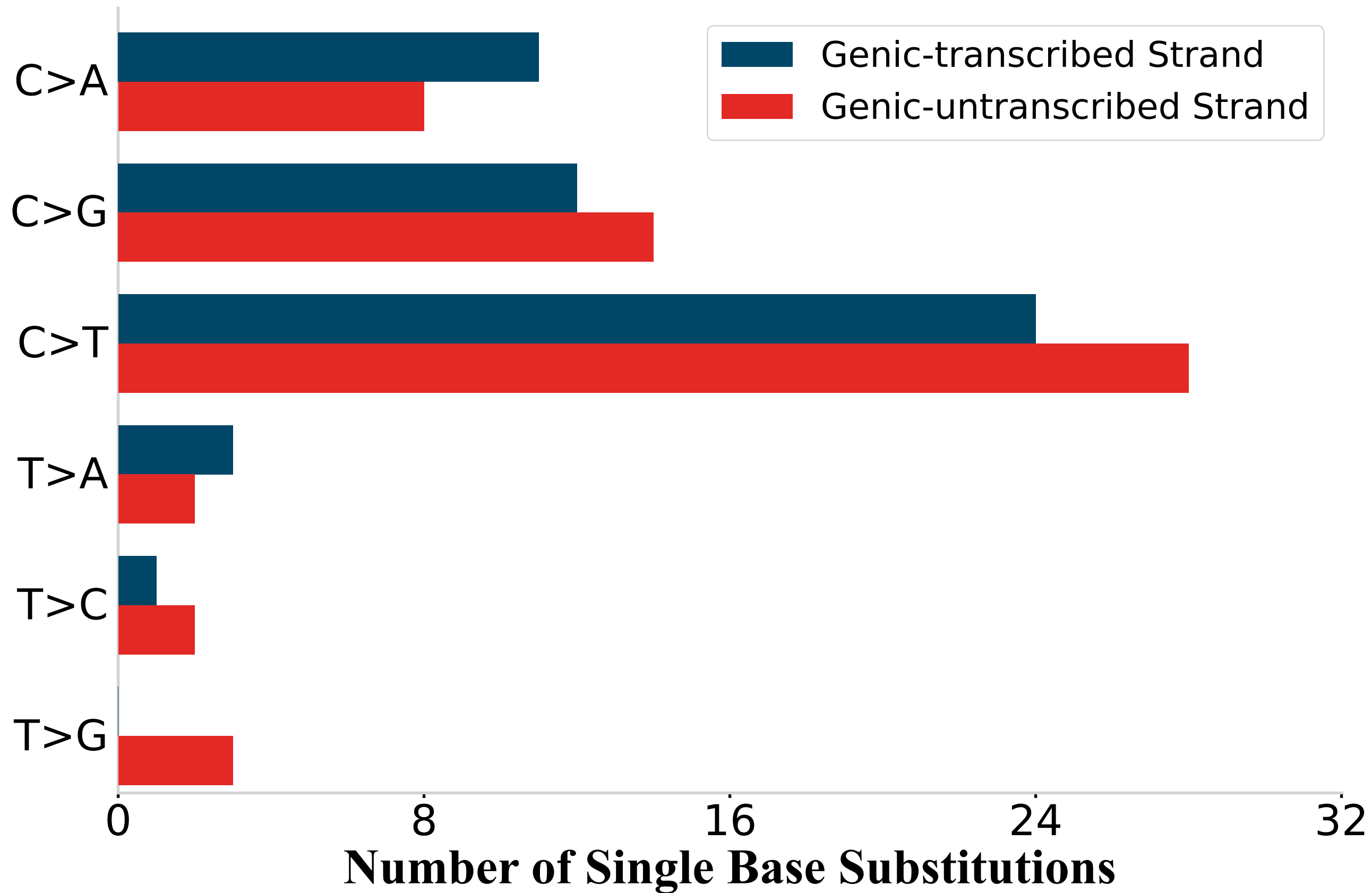
TCGA-GU-A42Q-01A-11D-A23U-08: 212 transcribe



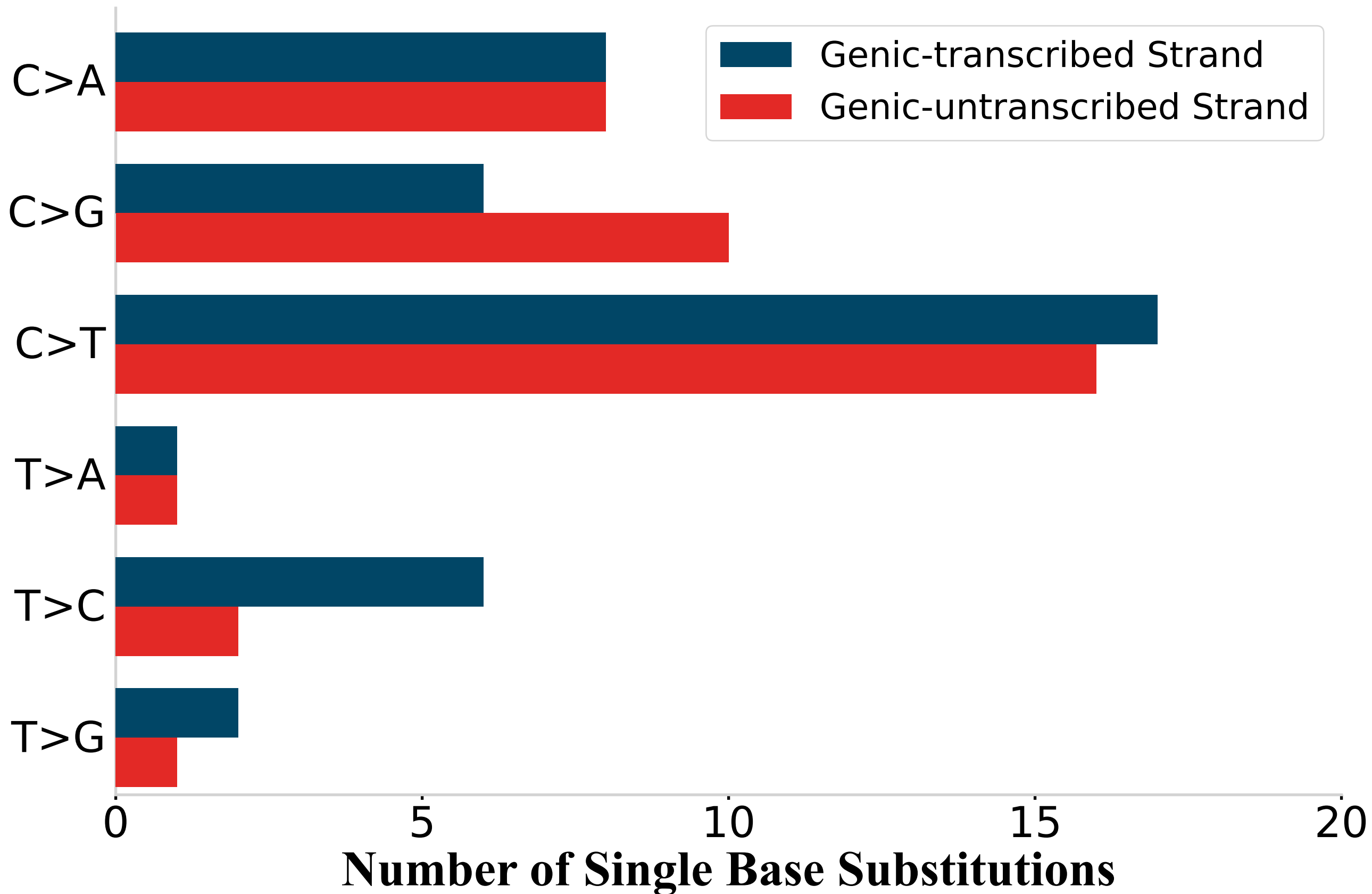
TCGA-GU-A42R-01A-11D-A23M-08: 194 transcribe



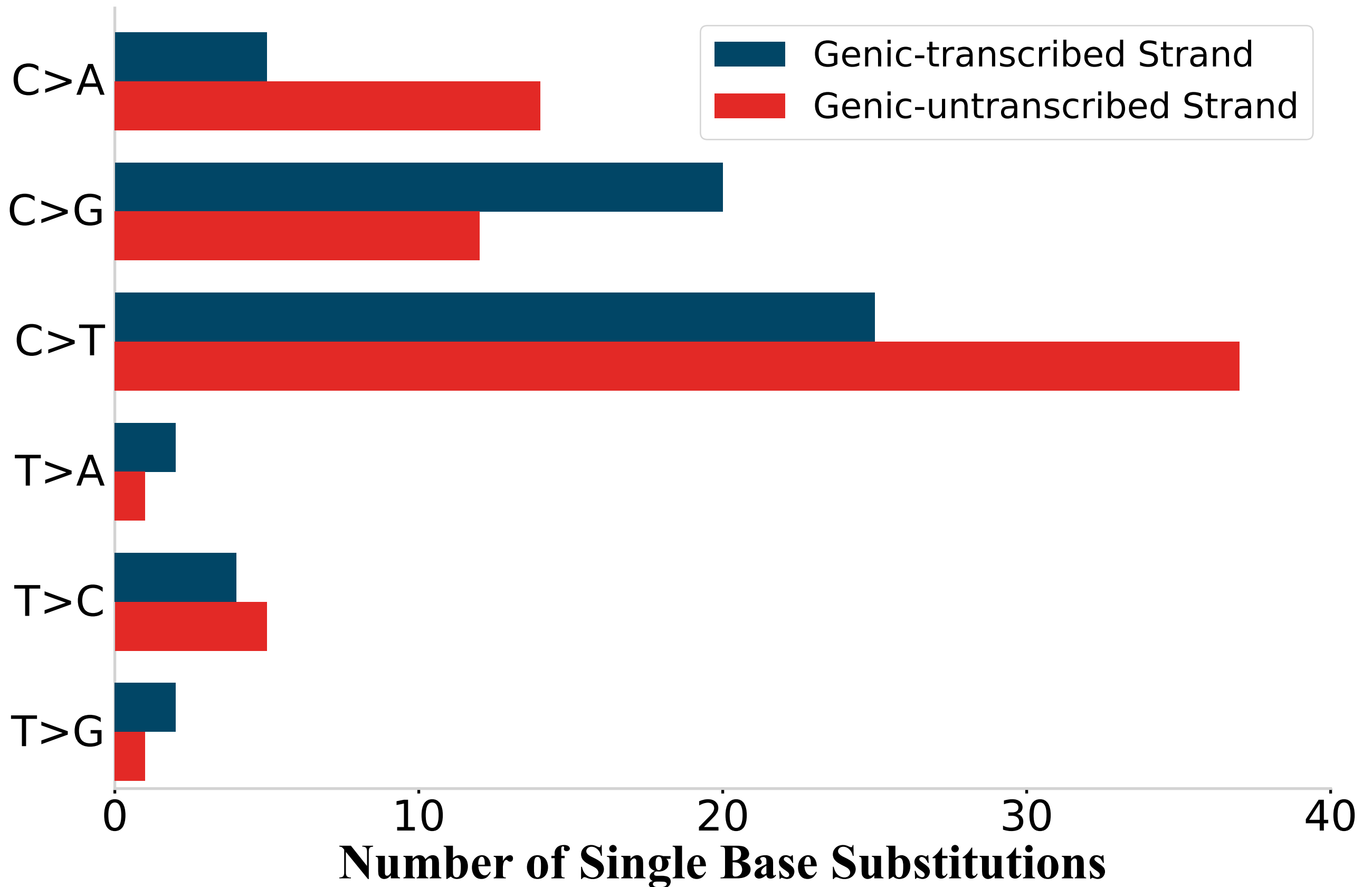
TCGA-GU-A762-01A-11D-A339-08: 108 transcribed



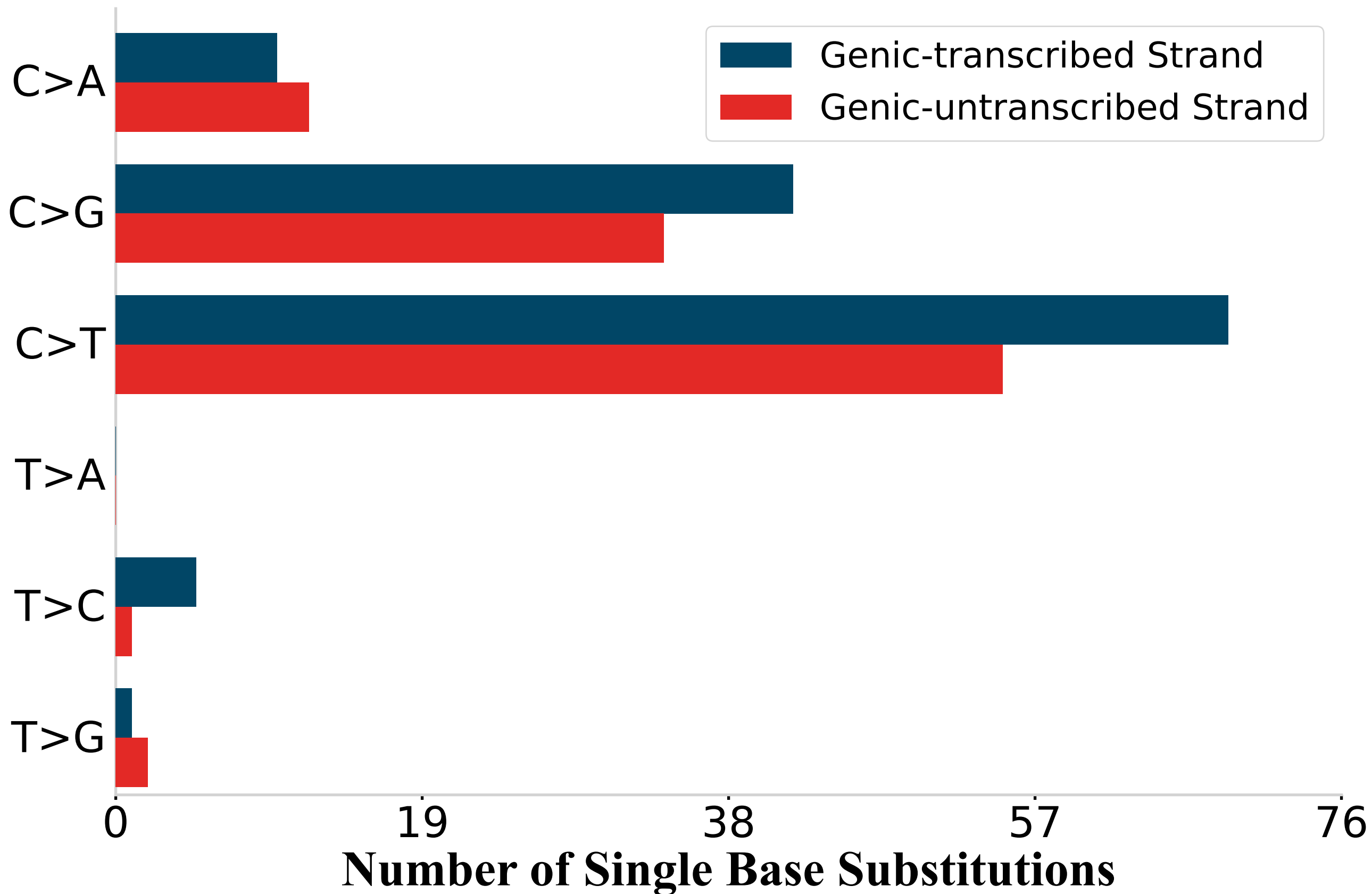
TCGA-GU-A763-01A-11D-A32B-08: 78 transcribed



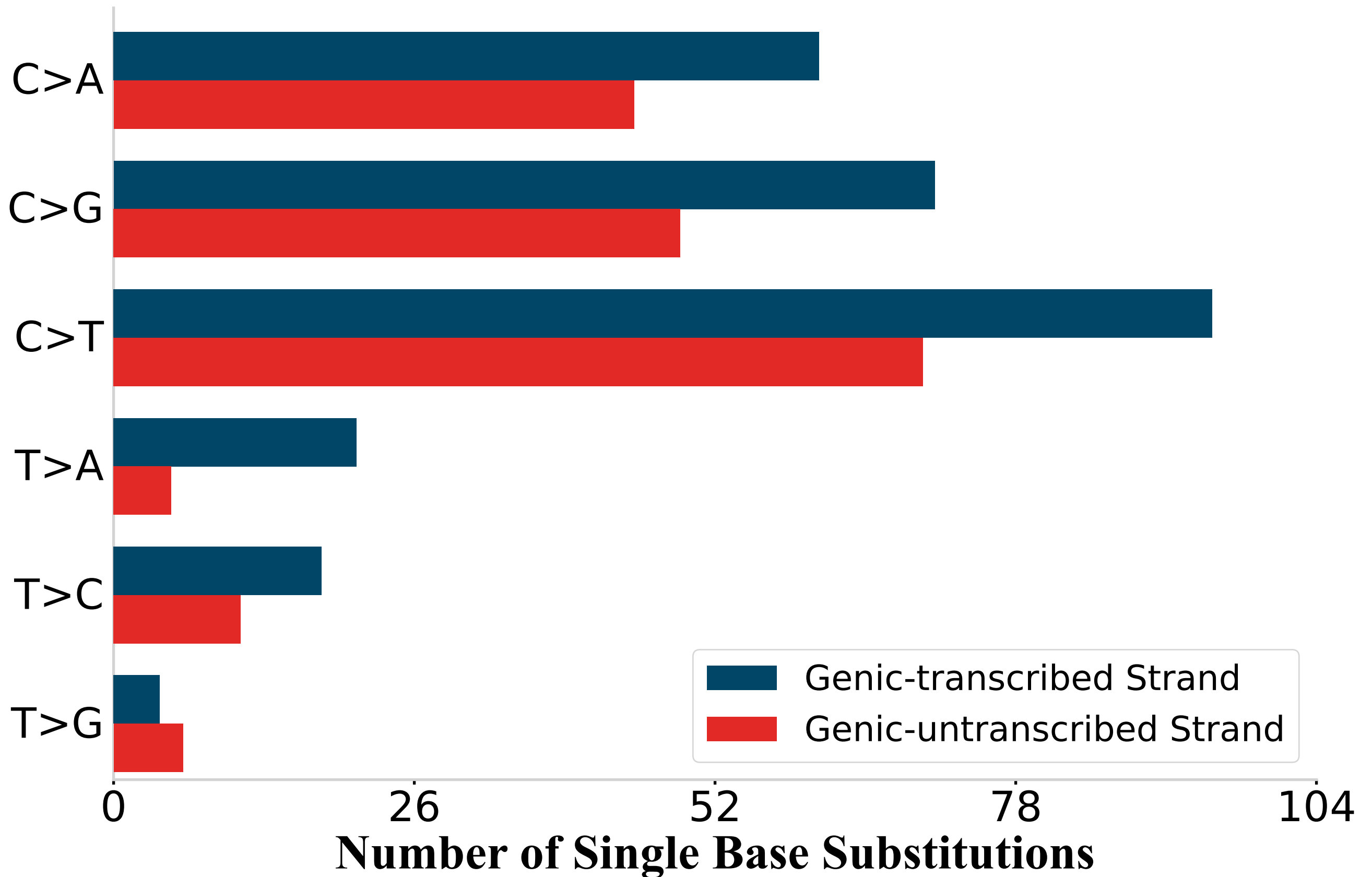
TCGA-GU-A764-01A-11D-A34U-08: 128 transcribed



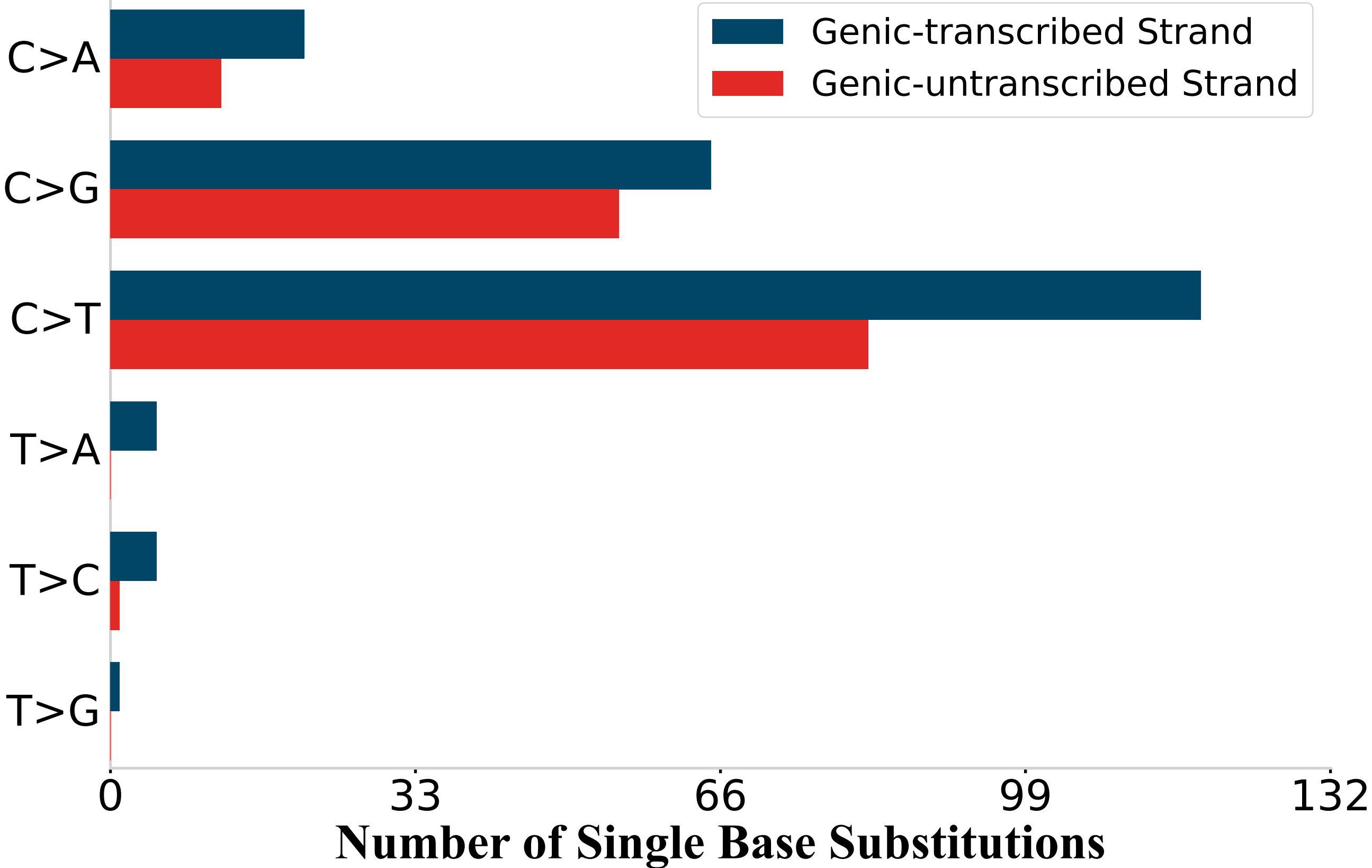
TCGA-GU-A766-01A-11D-A32B-08: 231 transcribed



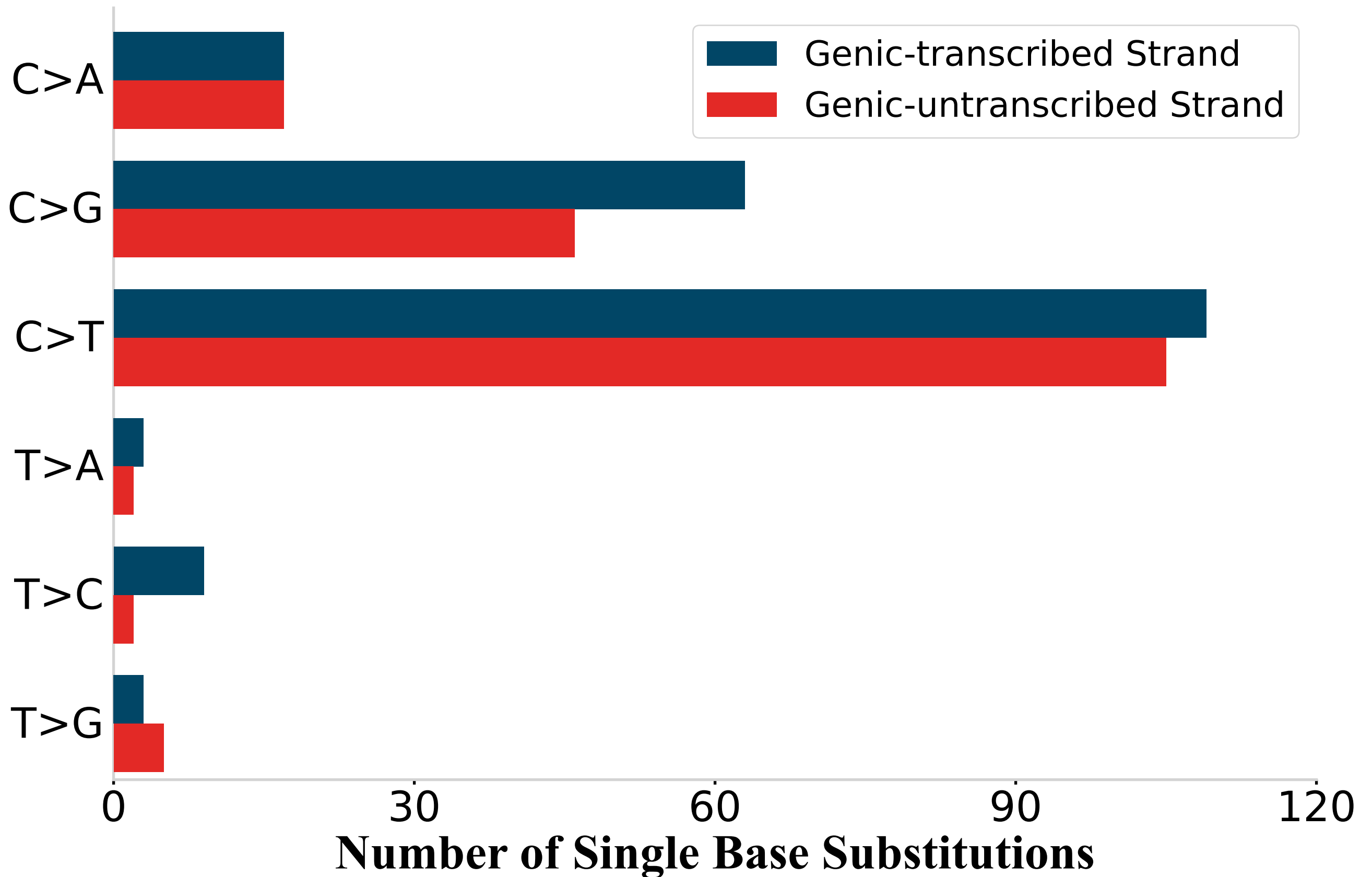
TCGA-GU-A767-01A-11D-A32B-08: 456 transcribed



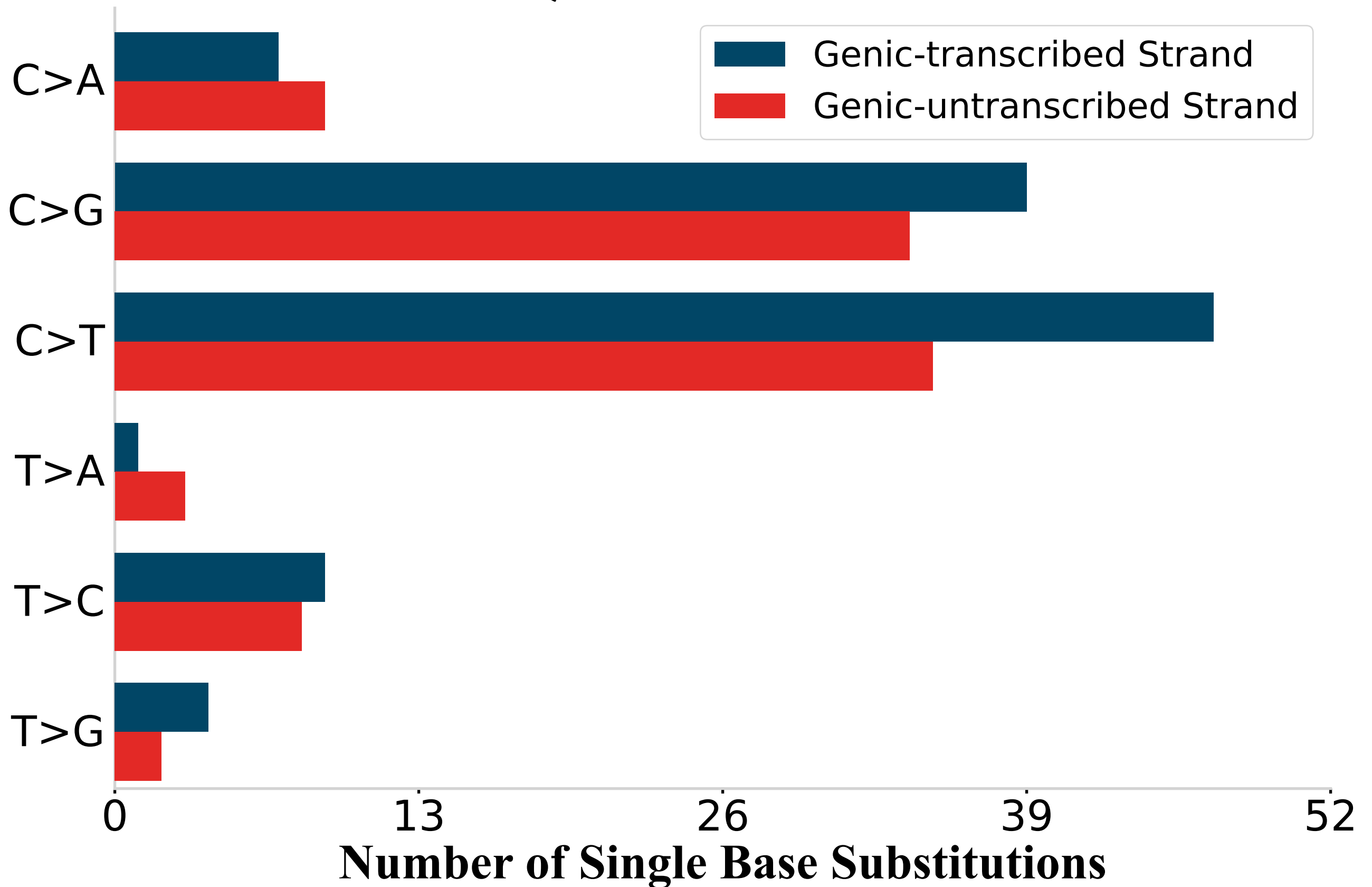
TCGA-GU-AATO-01A-11D-A391-08: 365 transcribe



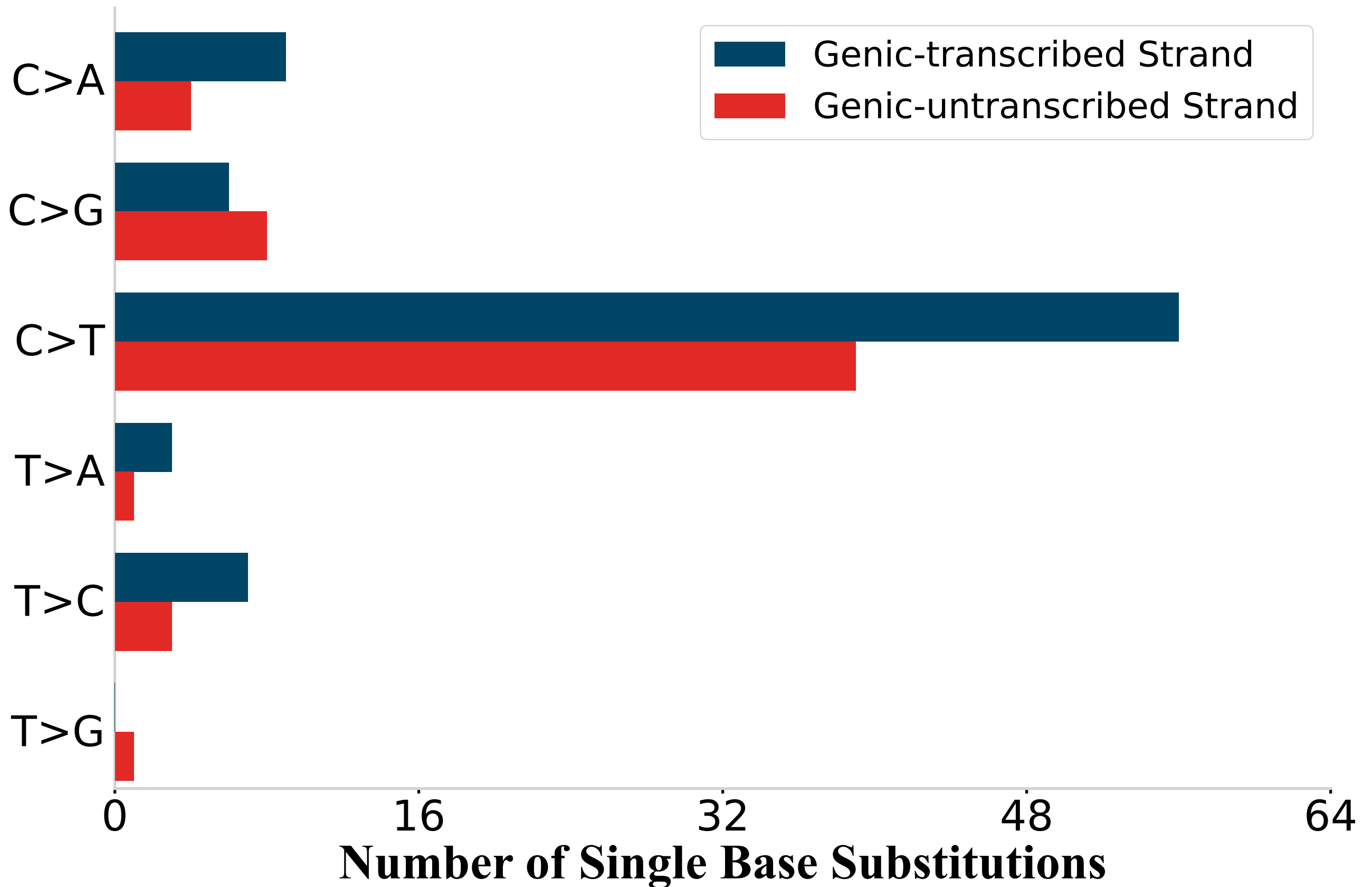
TCGA-GU-AATP-01A-11D-A391-08: 381 transcribed



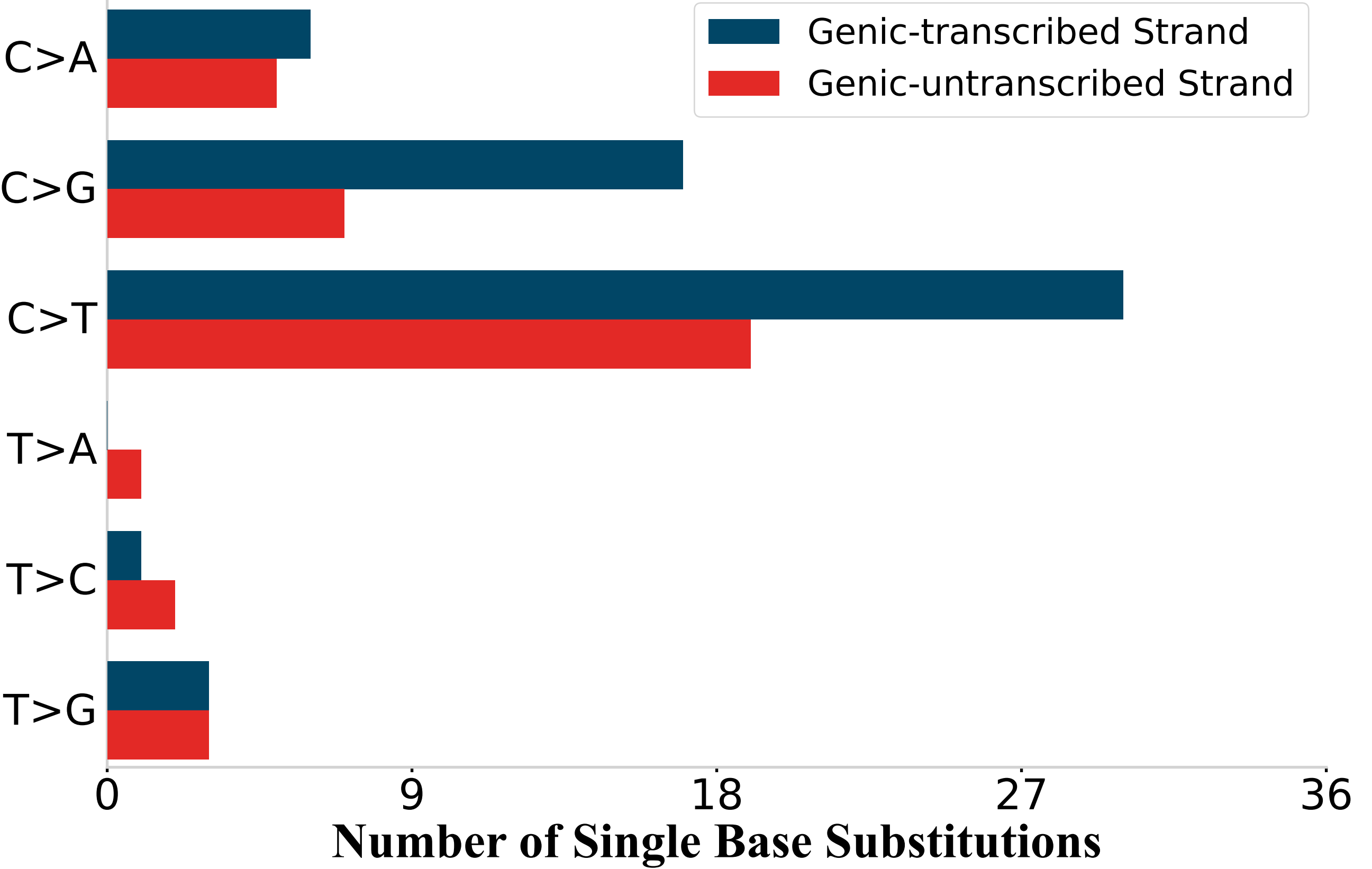
TCGA-GU-AATQ-01A-11D-A391-08: 198 transcribe



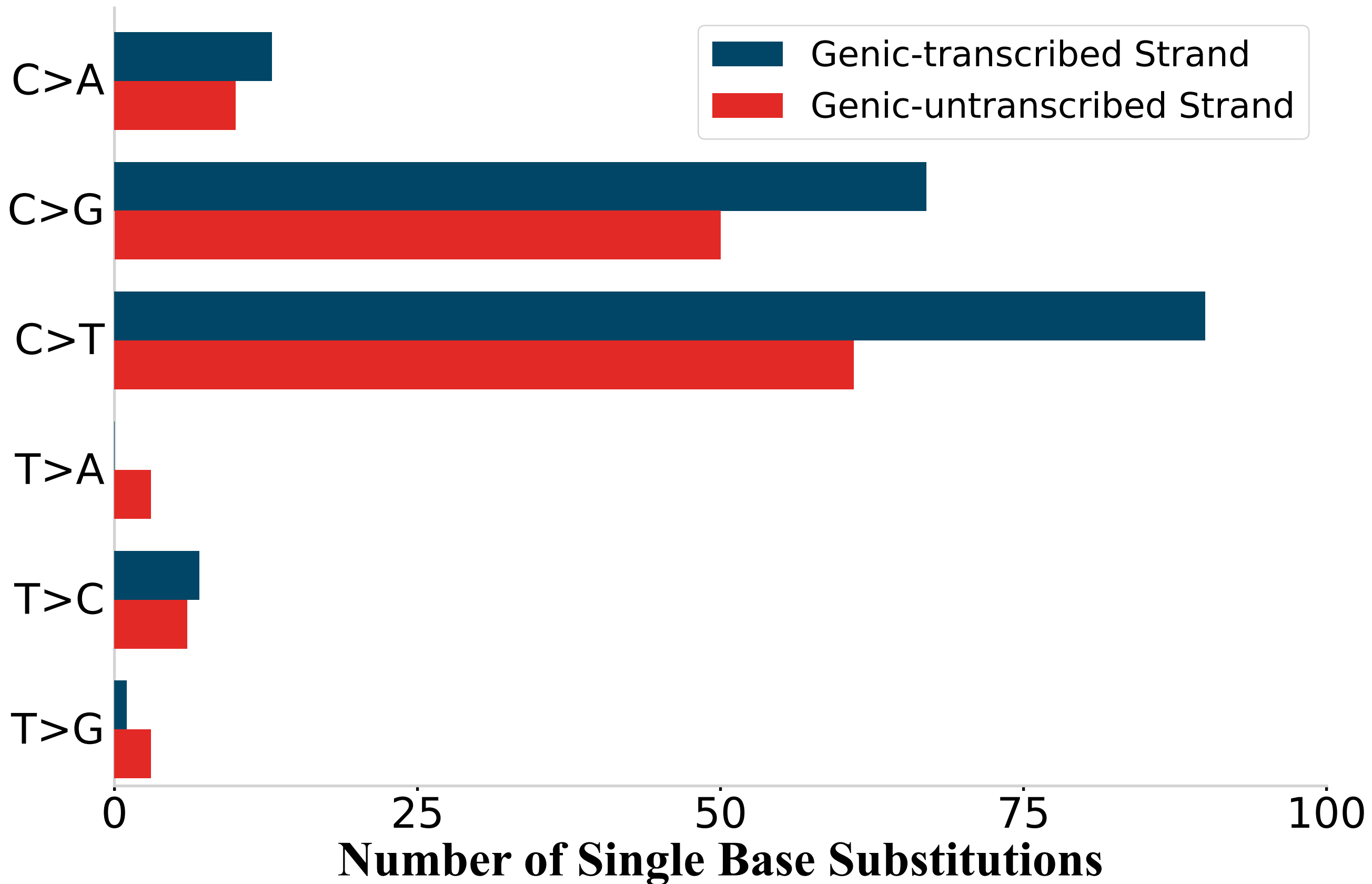
TCGA-GV-A3JV-01A-11D-A21Z-08: 137 transcribed



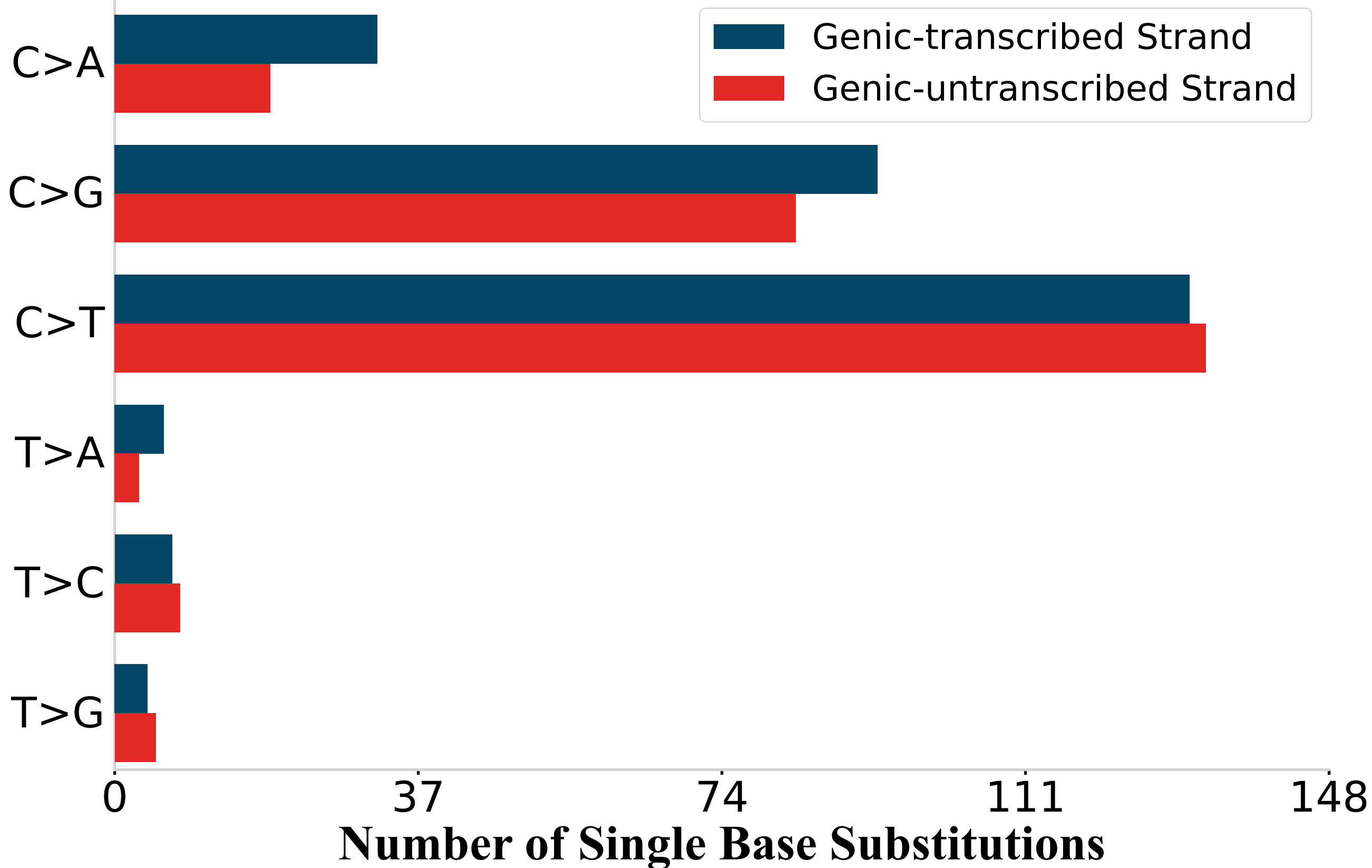
TCGA-GV-A3JW-01A-11D-A20D-08: 94 transcribed



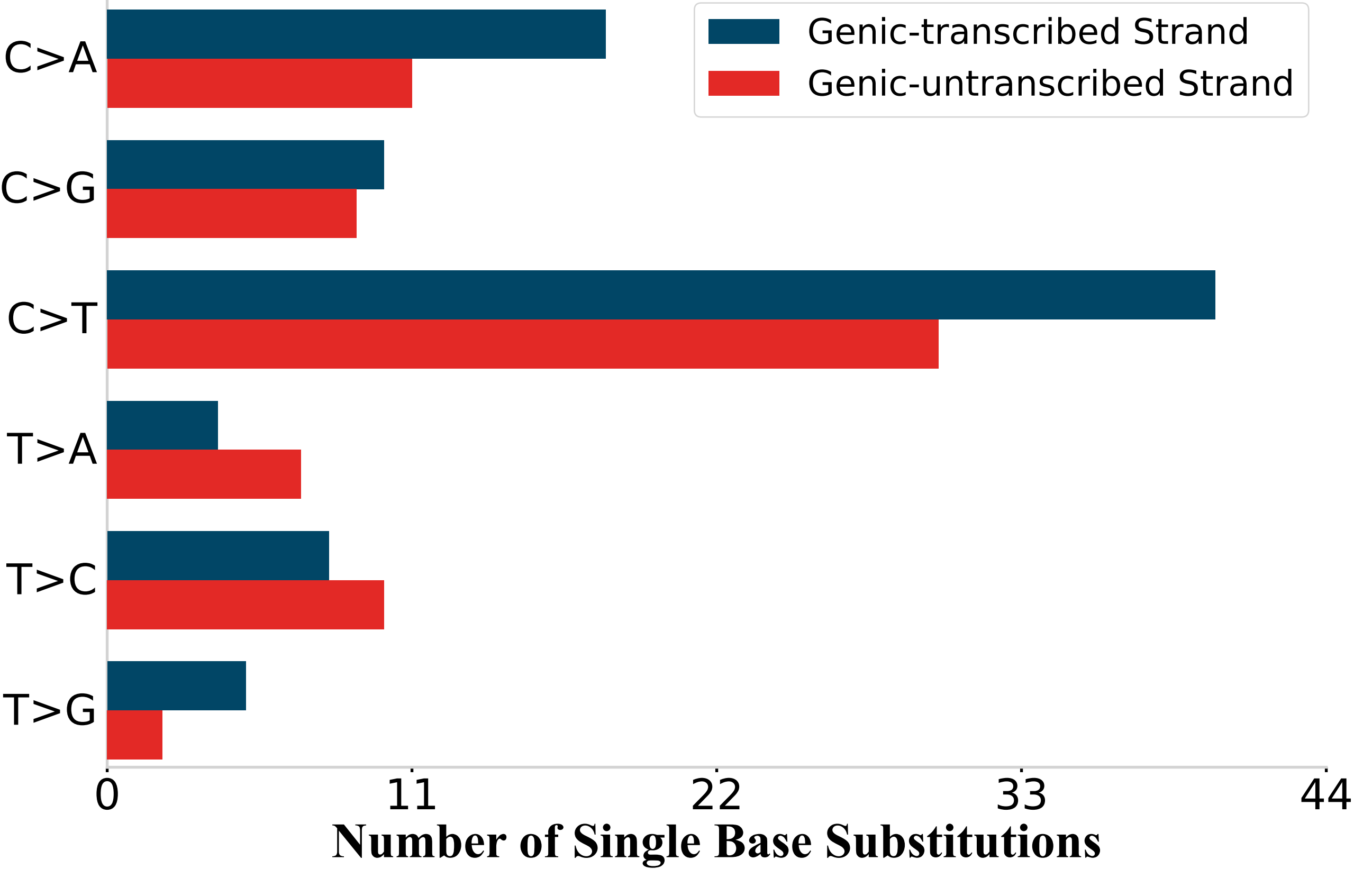
TCGA-GV-A3JX-01A-11D-A20D-08: 311 transcribed



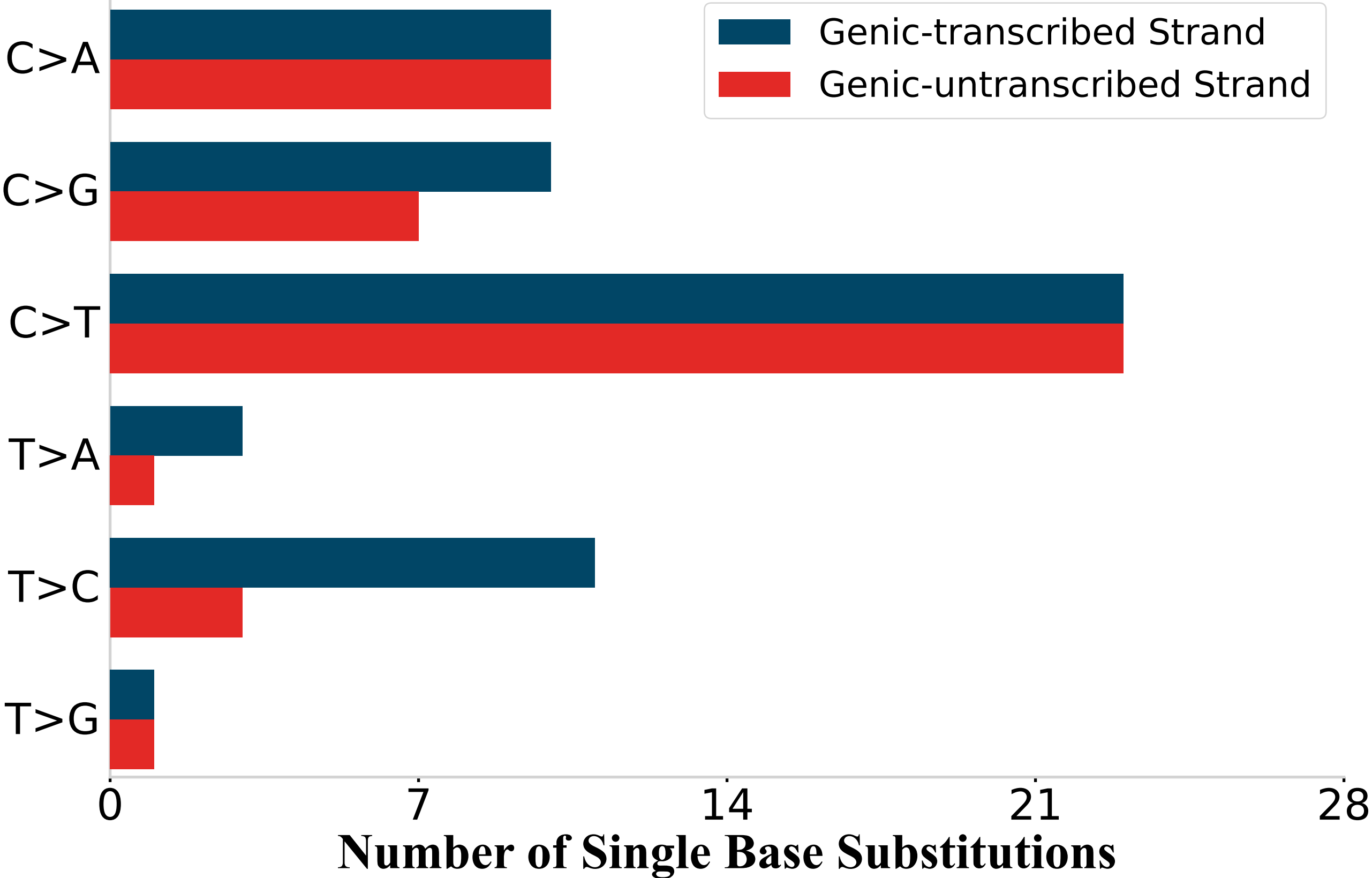
TCGA-GV-A3JZ-01A-11D-A21A-08: 524 transcribed



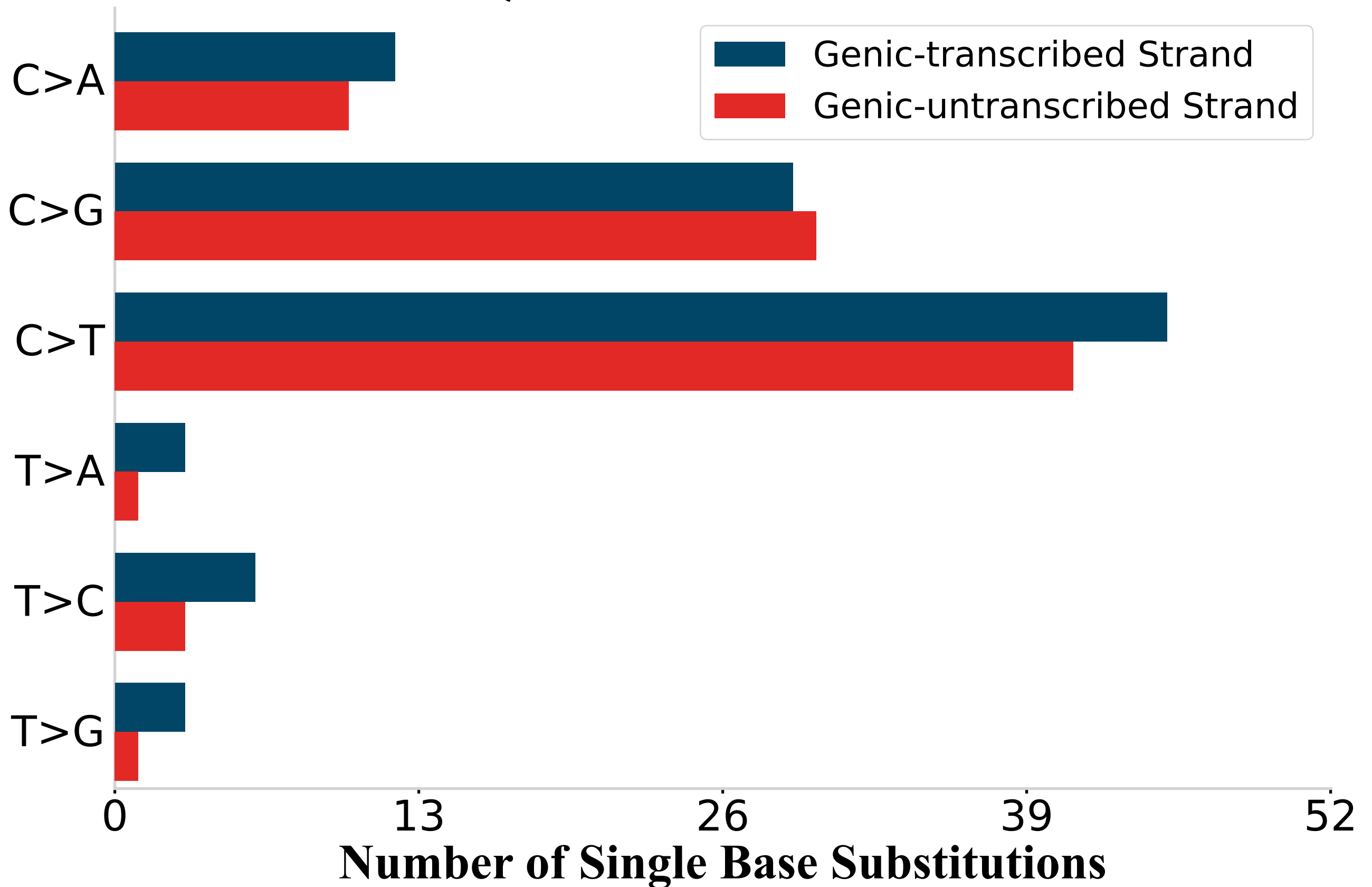
TCGA-GV-A3QF-01A-31D-A22Z-08: 154 transcribed



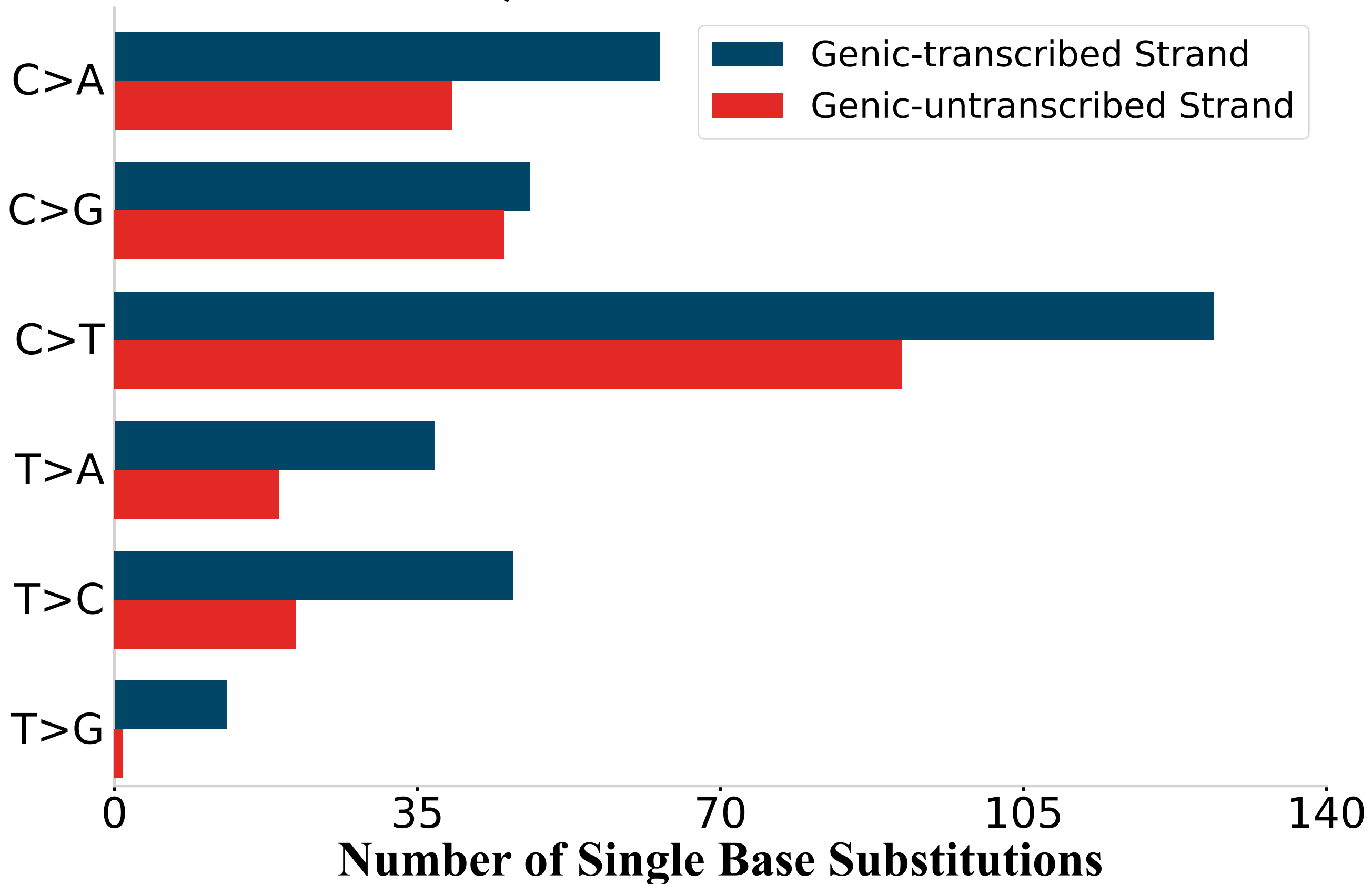
TCGA-GV-A3QG-01A-11D-A21Z-08: 103 transcribe



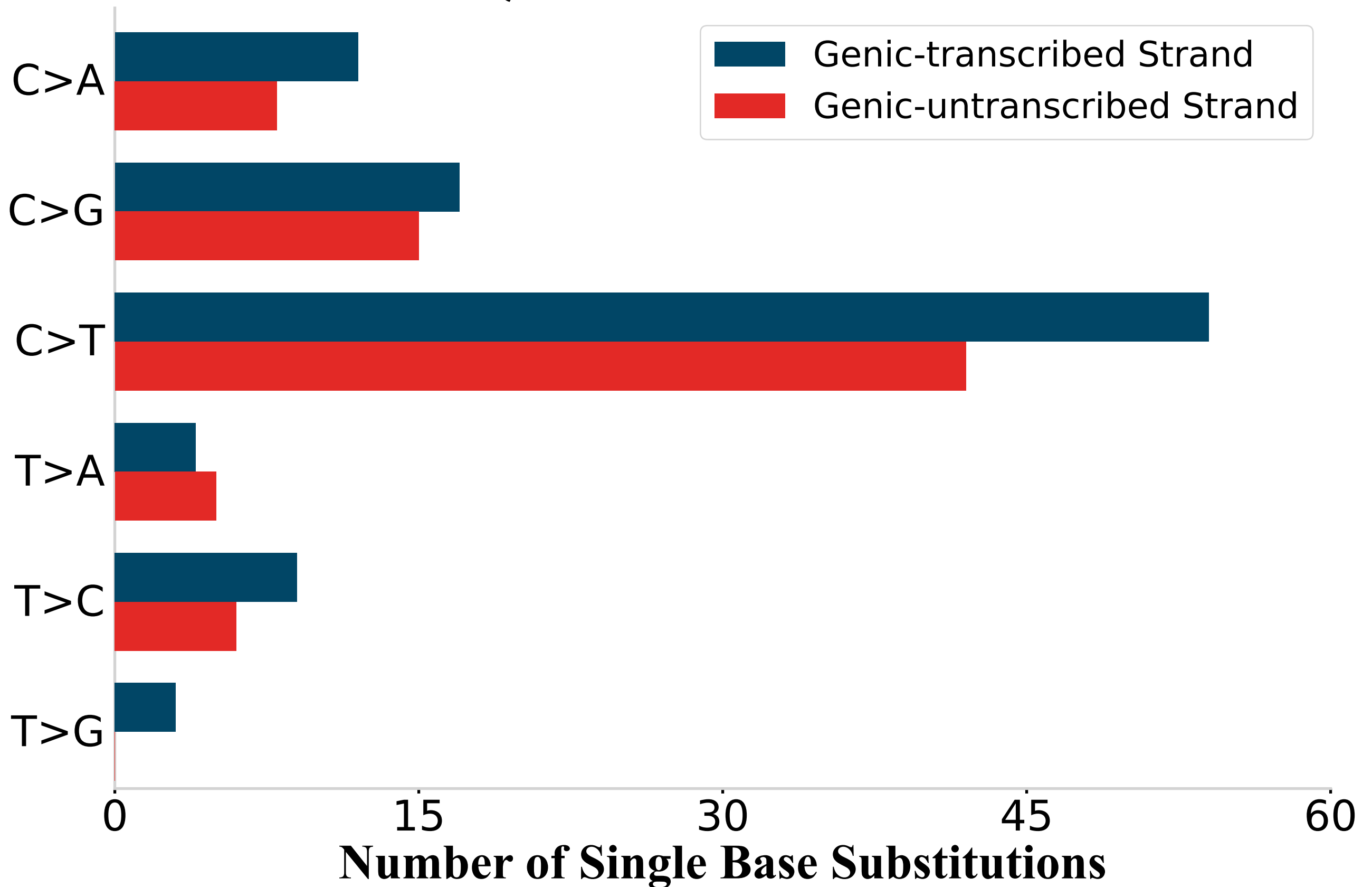
TCGA-GV-A3QH-01A-11D-A21Z-08: 184 transcribed



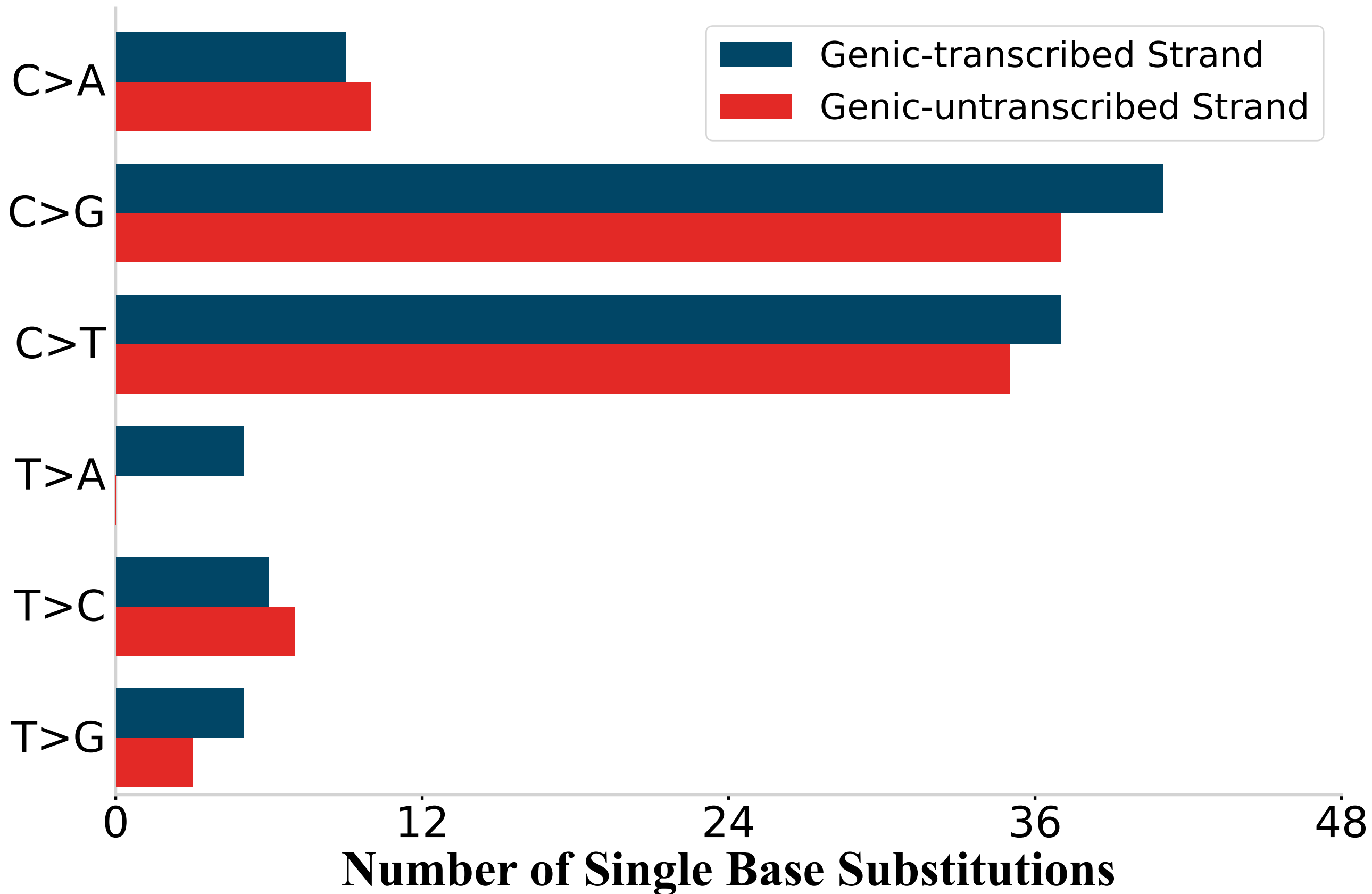
TCGA-GV-A3QI-01A-11D-A21Z-08: 550 transcribed



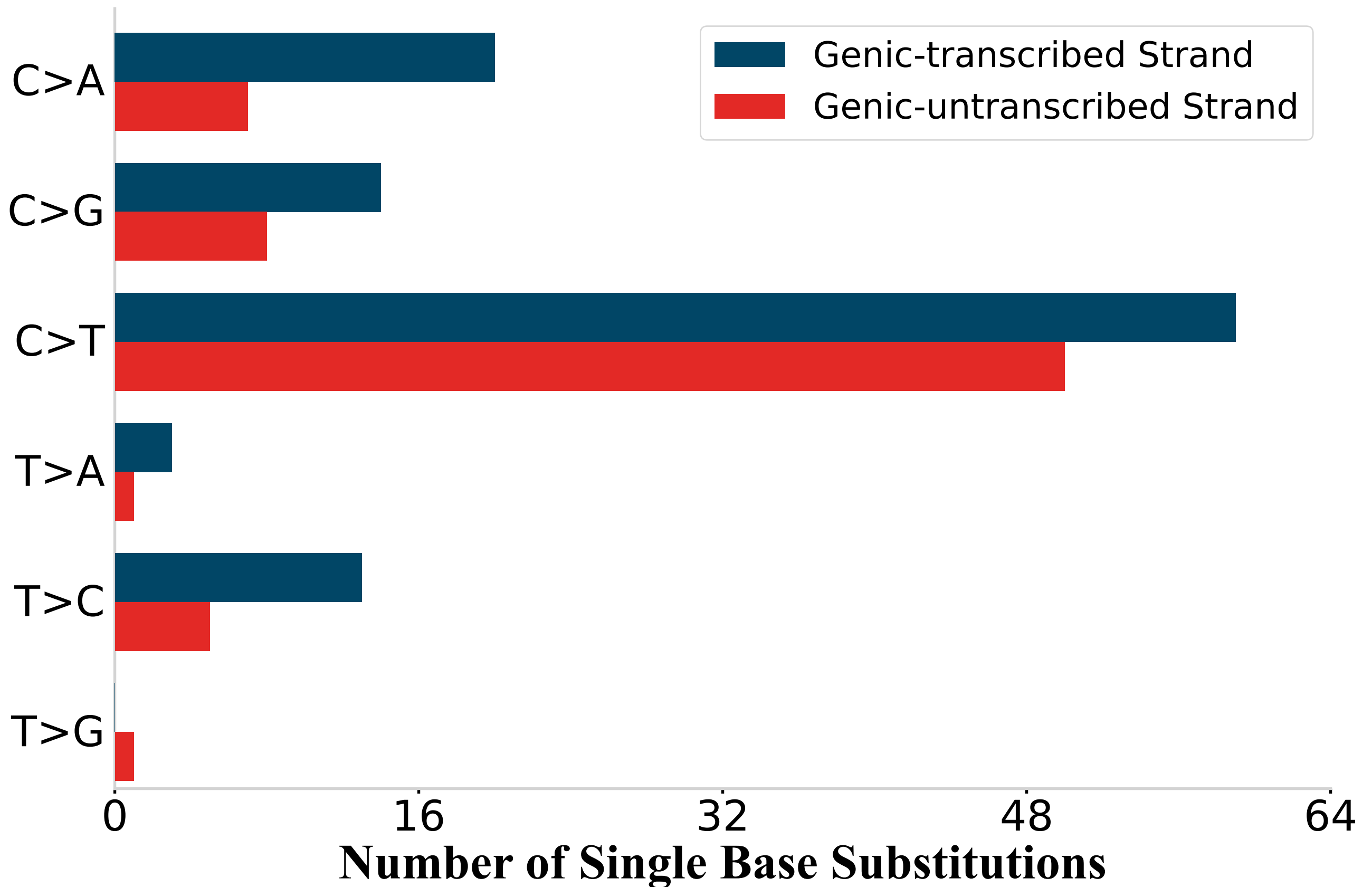
TCGA-GV-A3QK-01B-11D-A23M-08: 175 transcribed



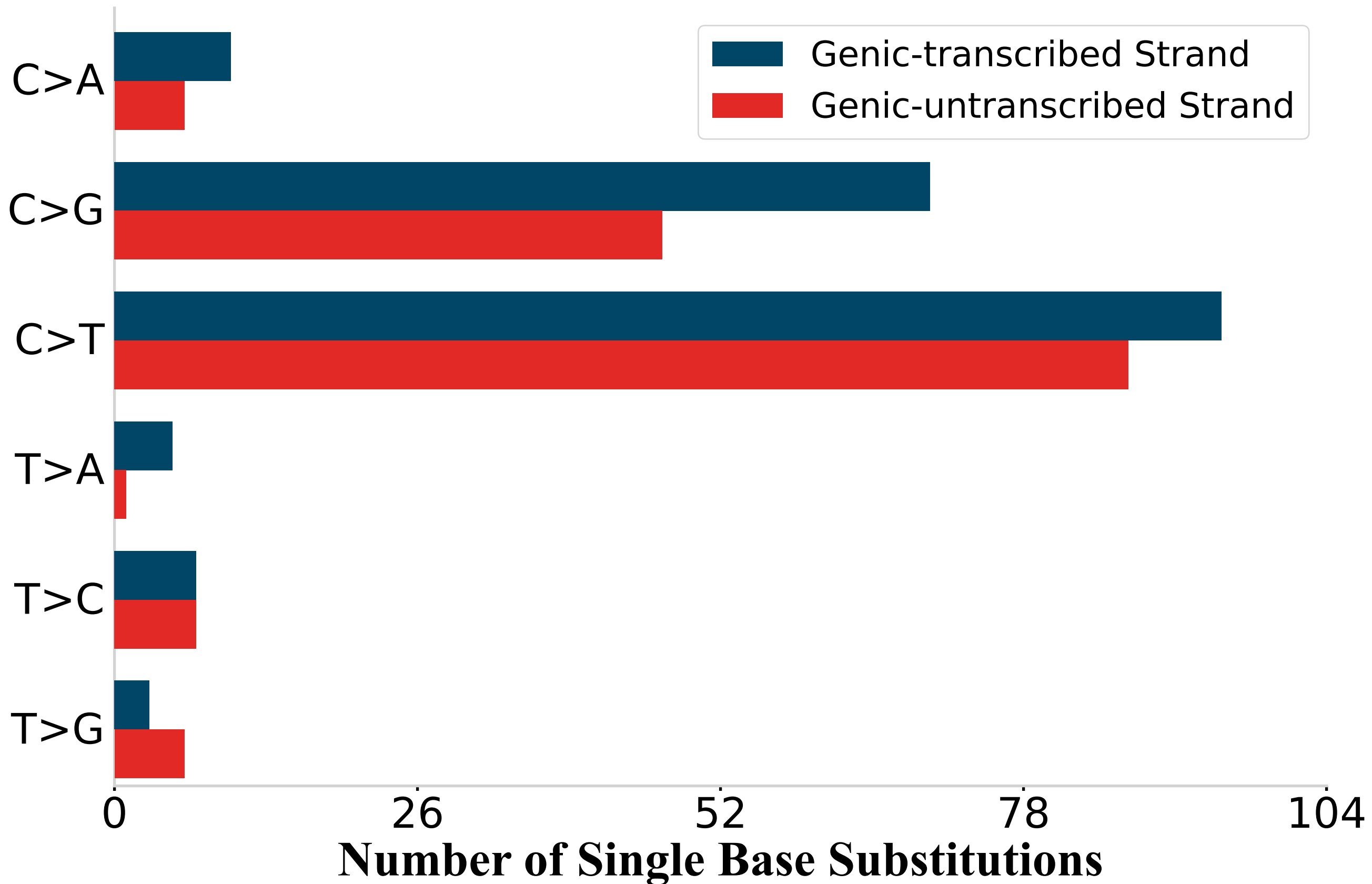
TCGA-GV-A40E-01A-12D-A23M-08: 195 transcribed



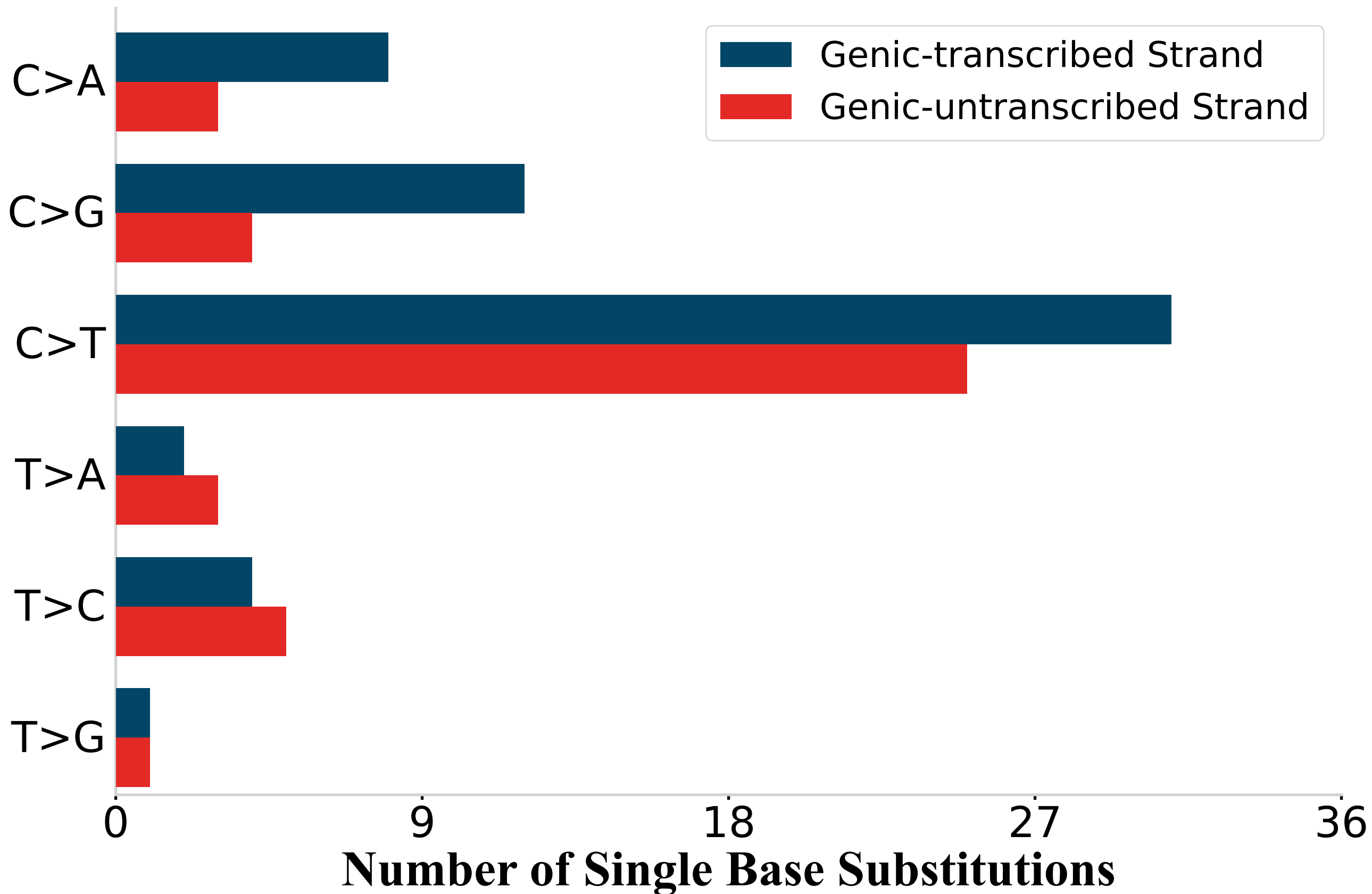
TCGA-GV-A40G-01A-11D-A23M-08: 181 transcribe



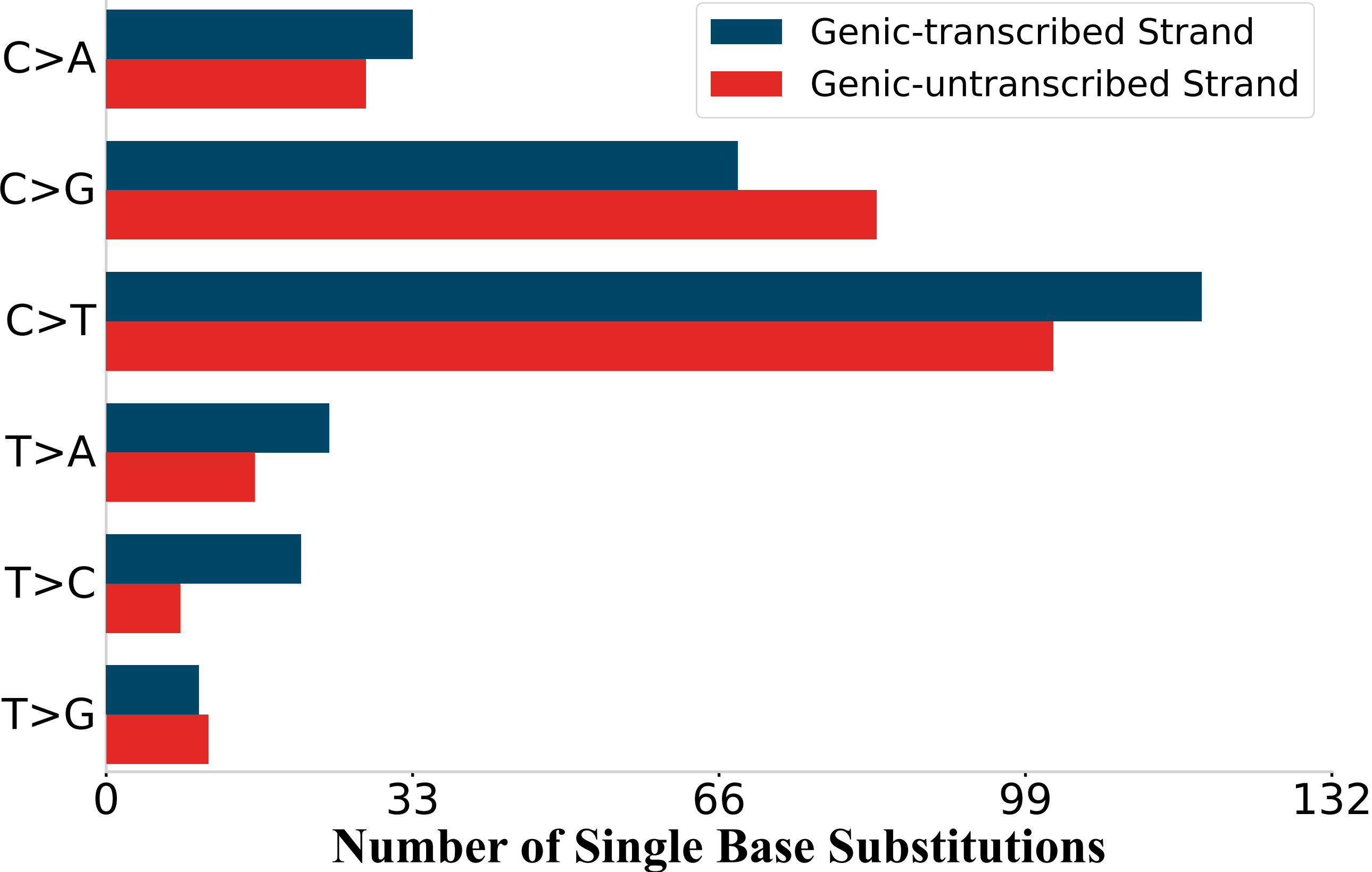
TCGA-GV-A6ZA-01A-12D-A339-08: 344 transcribed



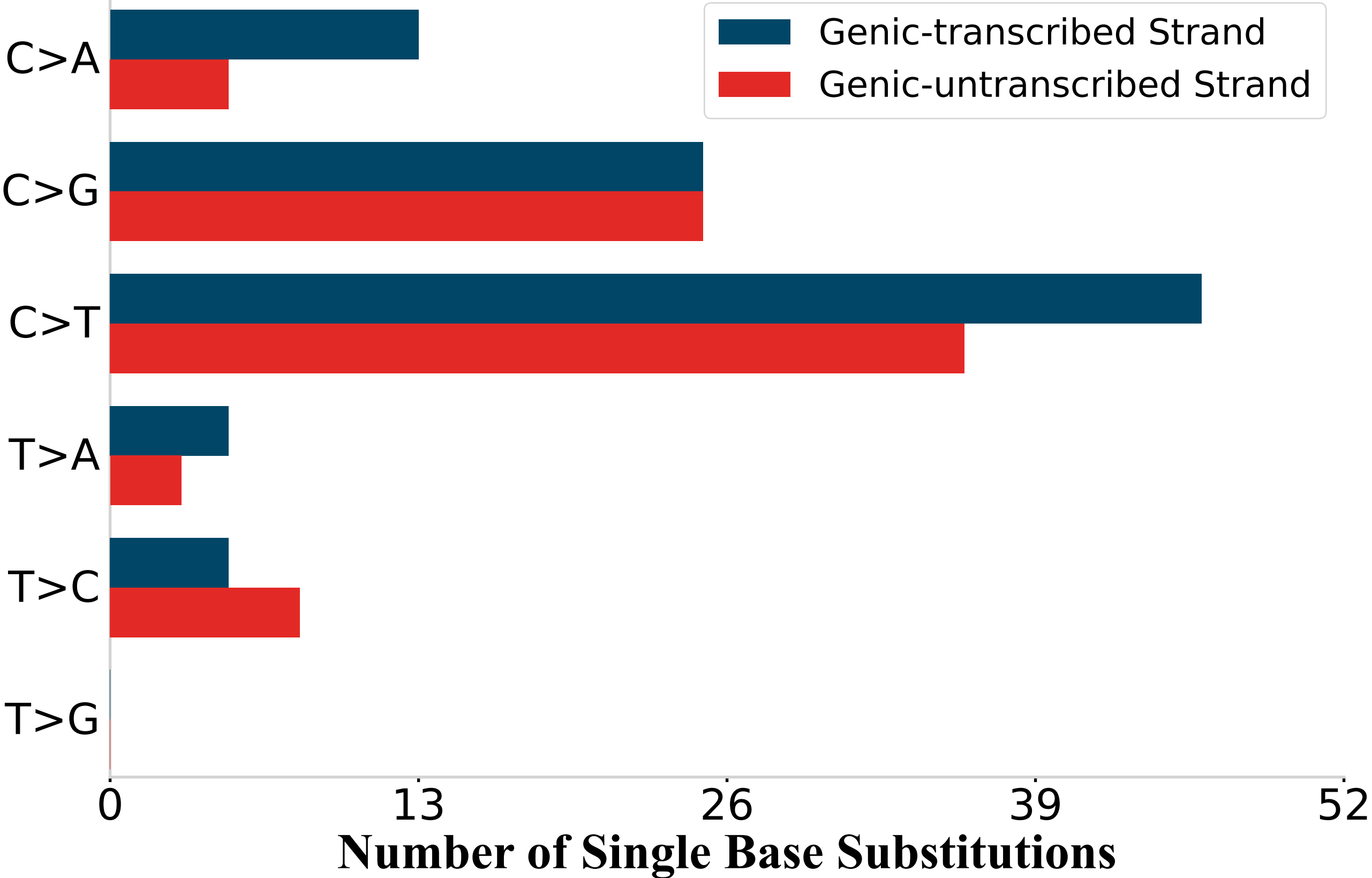
TCGA-H4-A2HO-01A-11D-A17V-08: 99 transcribed



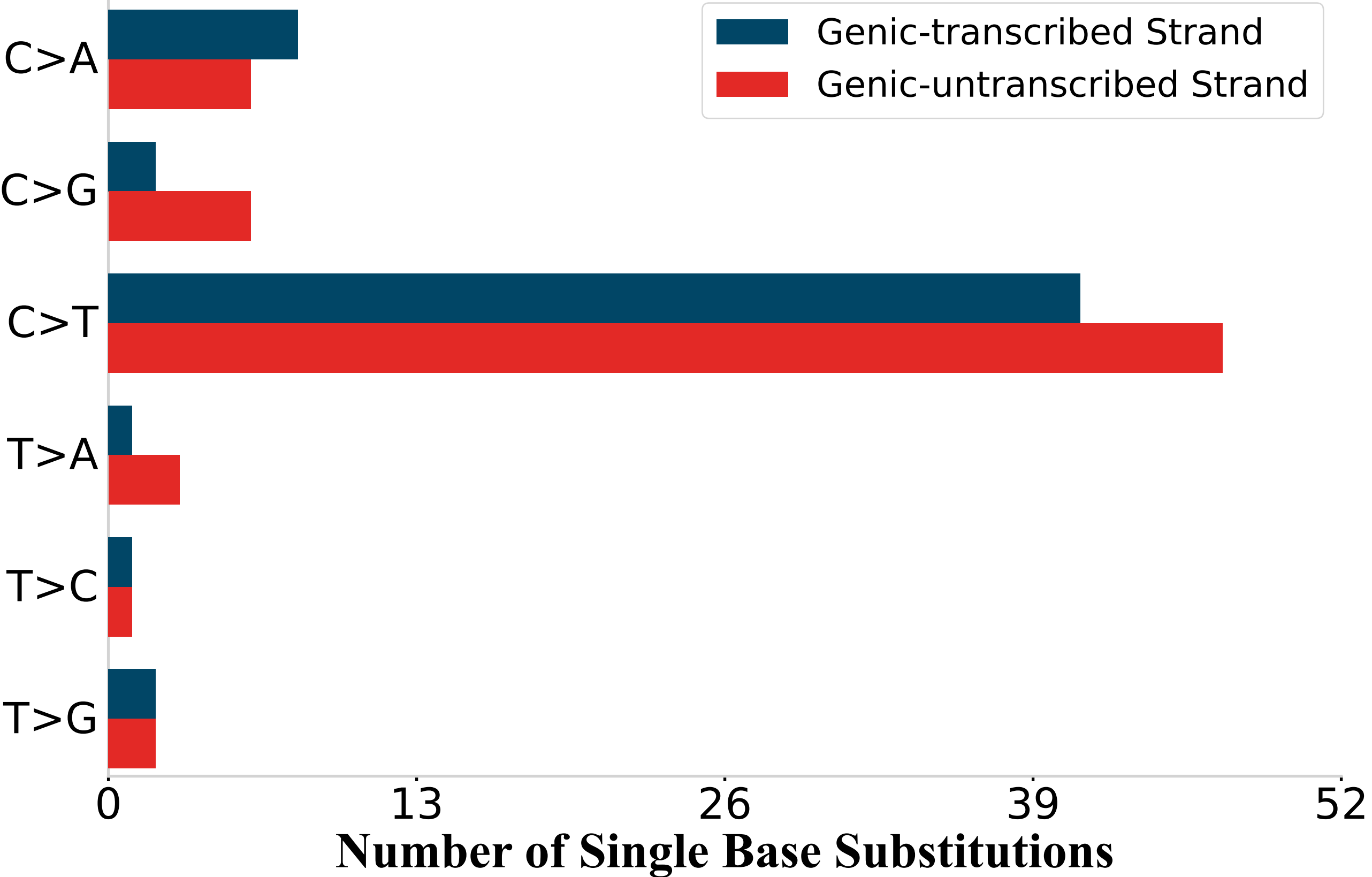
TCGA-H4-A2HQ-01A-11D-A17V-08: 522 transcribed



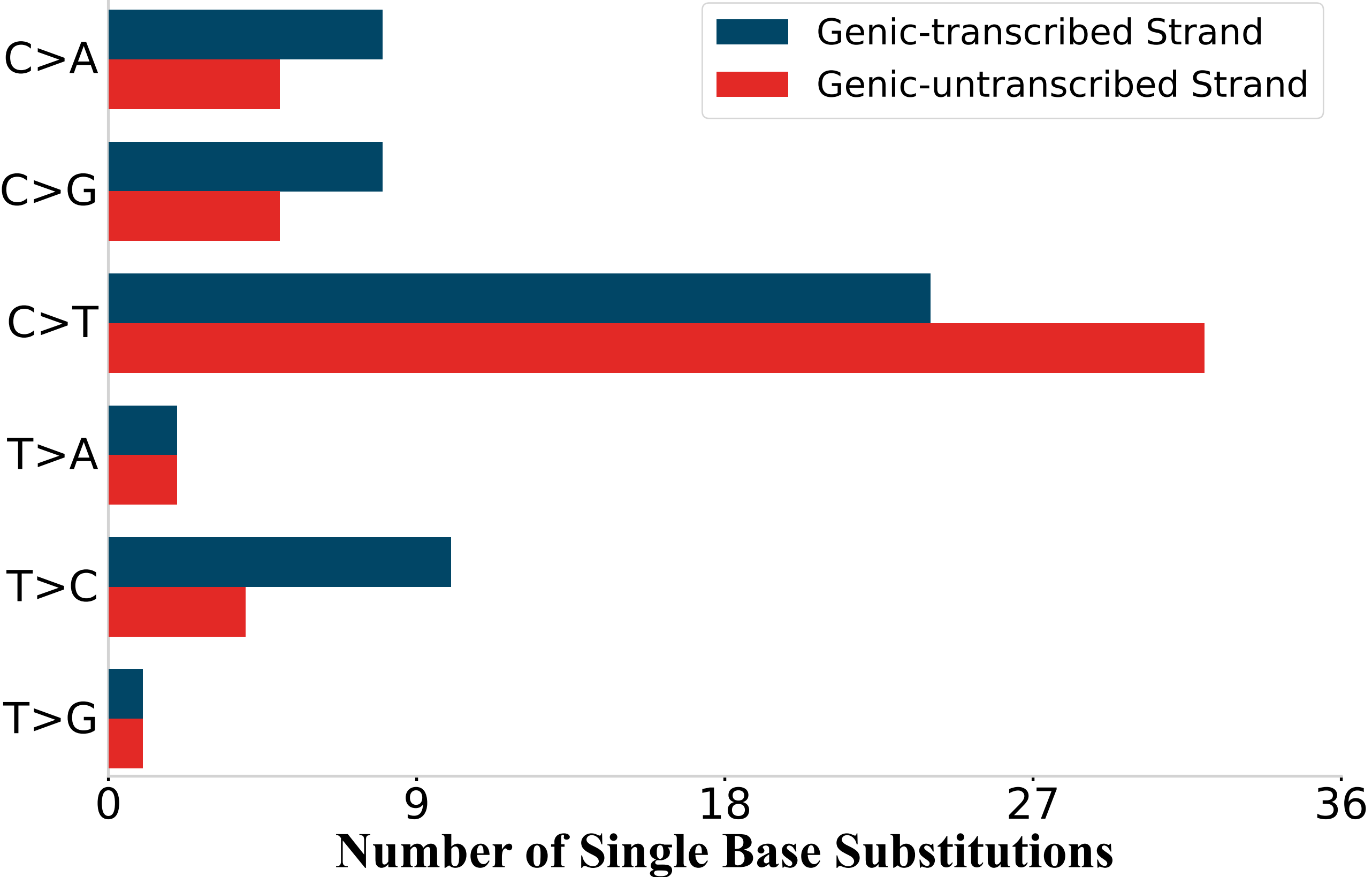
TCGA-HQ-A20E-01A-11D-A202-08: 171 transcribed



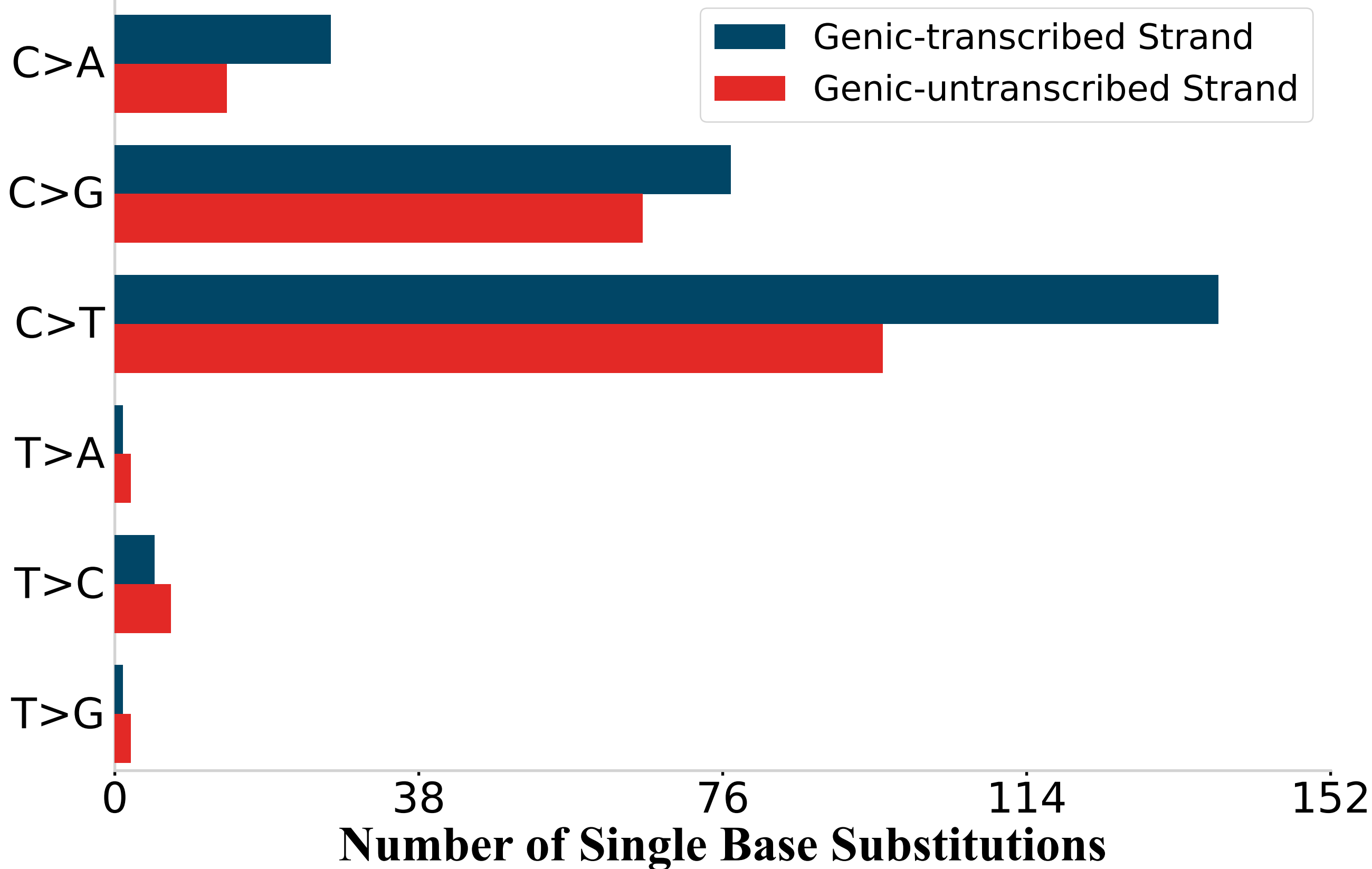
TCGA-HQ-A2OF-01A-11D-A26M-08: 120 transcribed



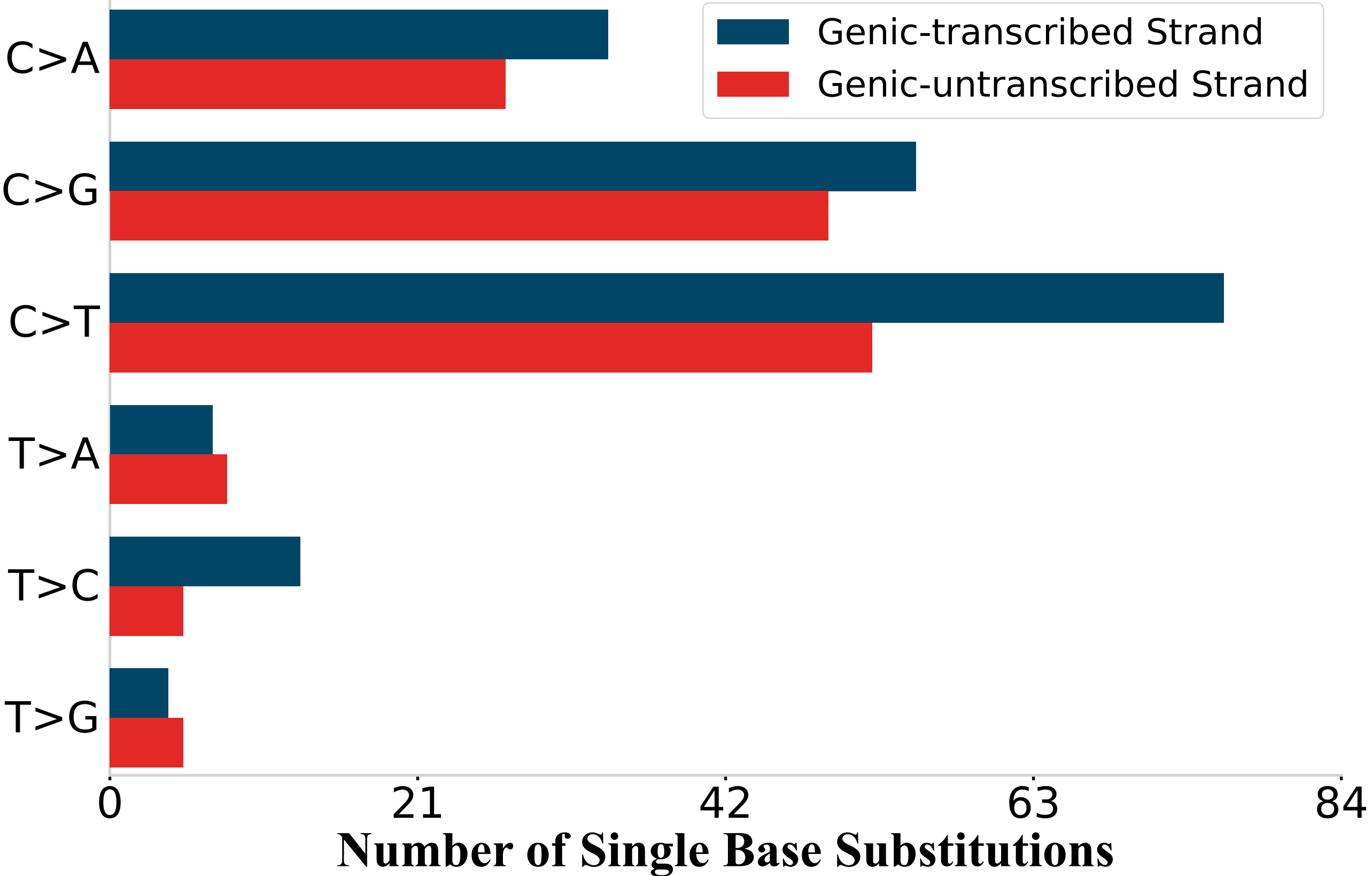
TCGA-HQ-A5ND-01A-11D-A26M-08: 102 transcribed



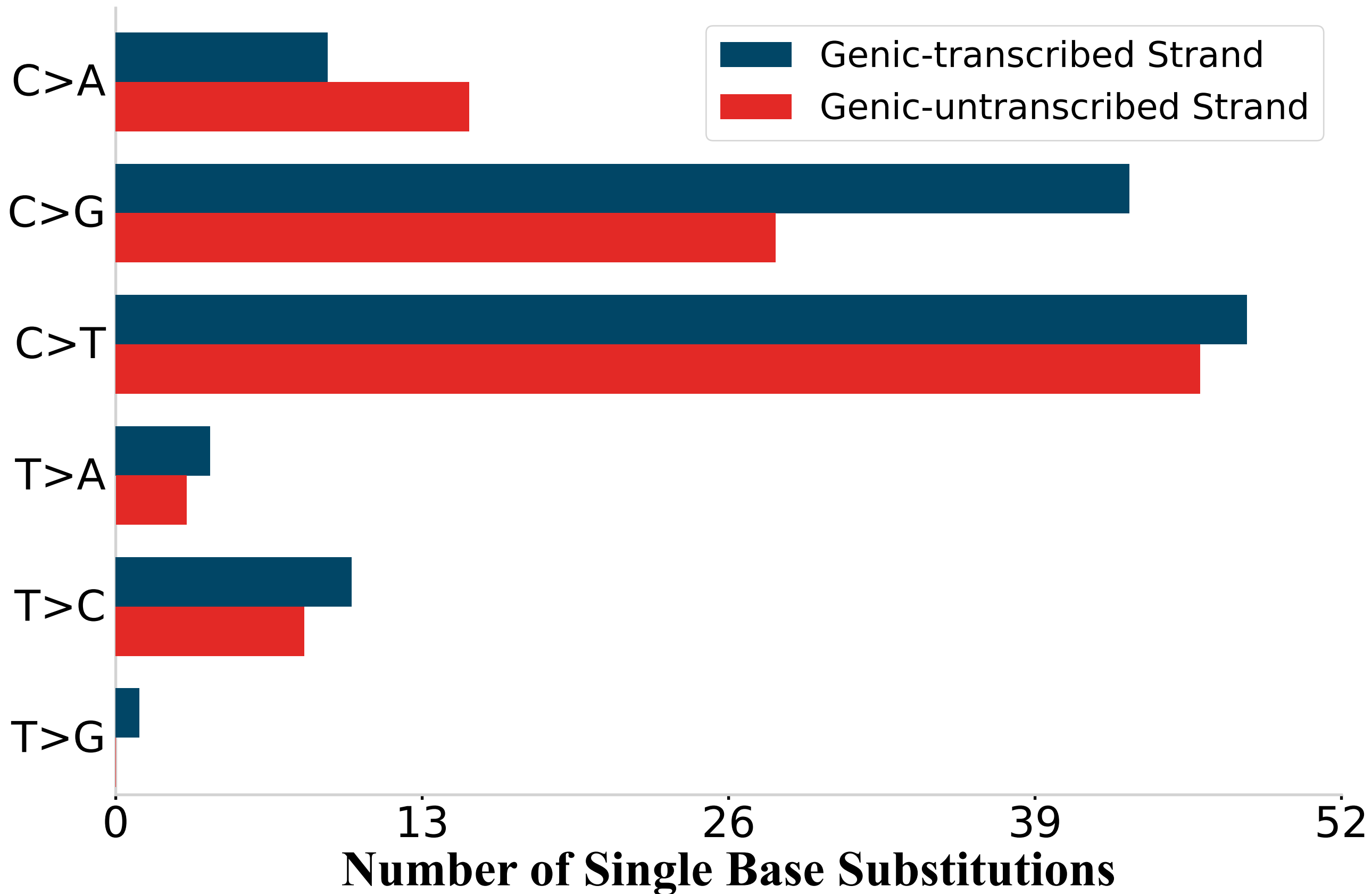
TCGA-HQ-A5NE-01A-12D-A289-08: 436 transcribed



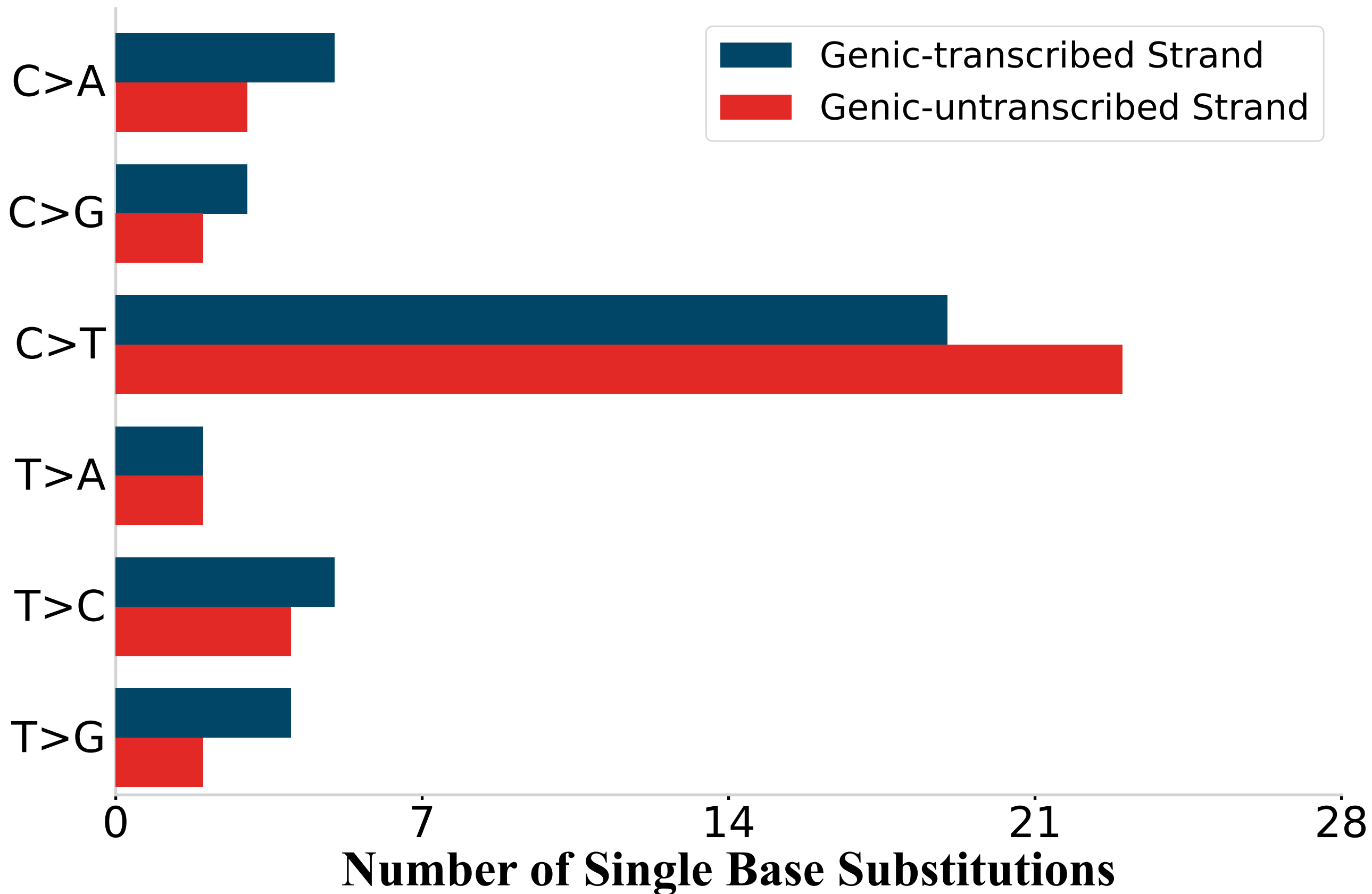
TCGA-K4-A3WS-01A-11D-A22Z-08: 335 transcribed



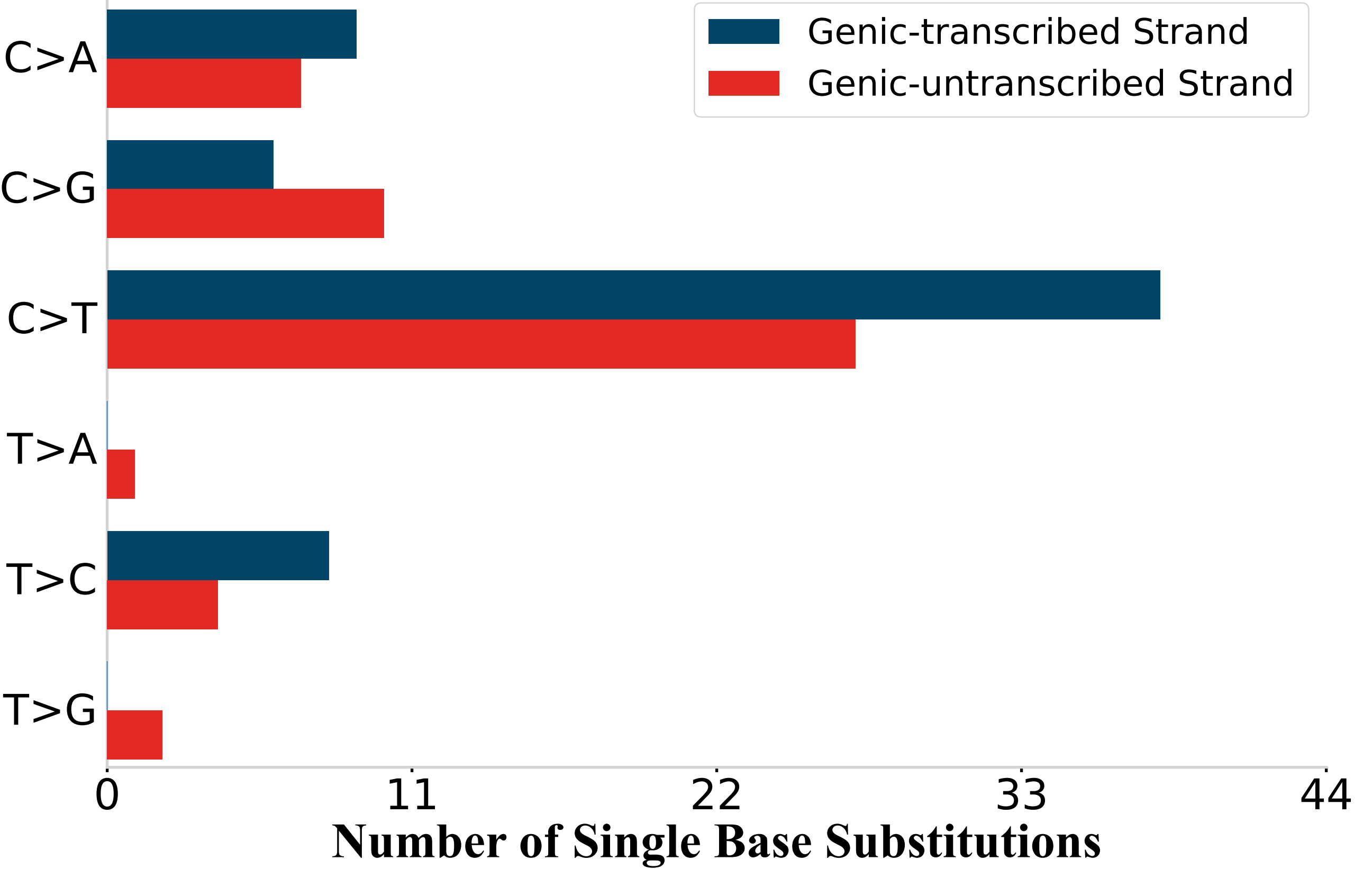
TCGA-K4-A3WU-01B-11D-A23M-08: 215 transcribed



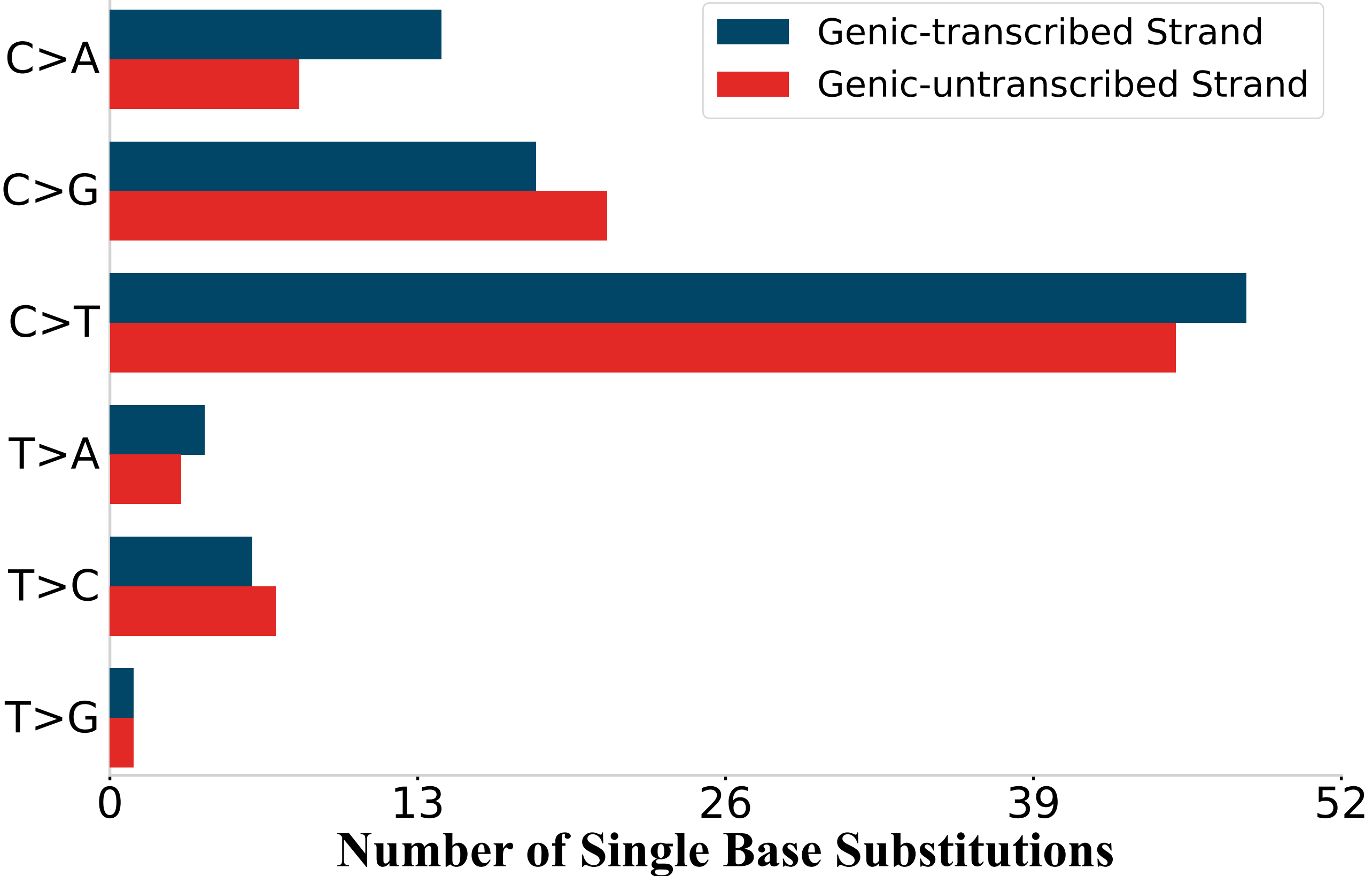
TCGA-K4-A3WV-01A-11D-A22Z-08: 74 transcribed



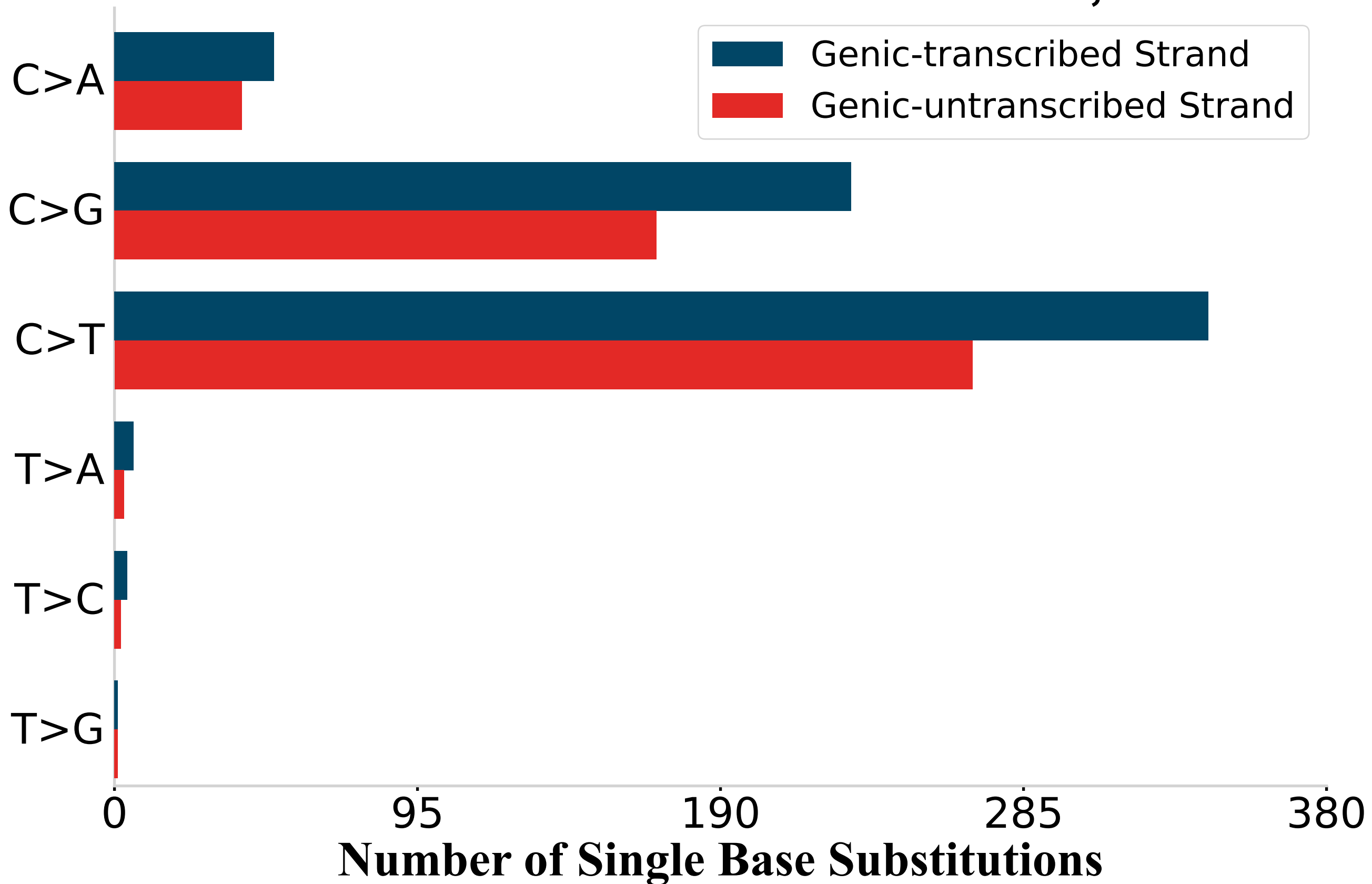
TCGA-K4-A4AB-01B-12D-A289-08: 112 transcribed



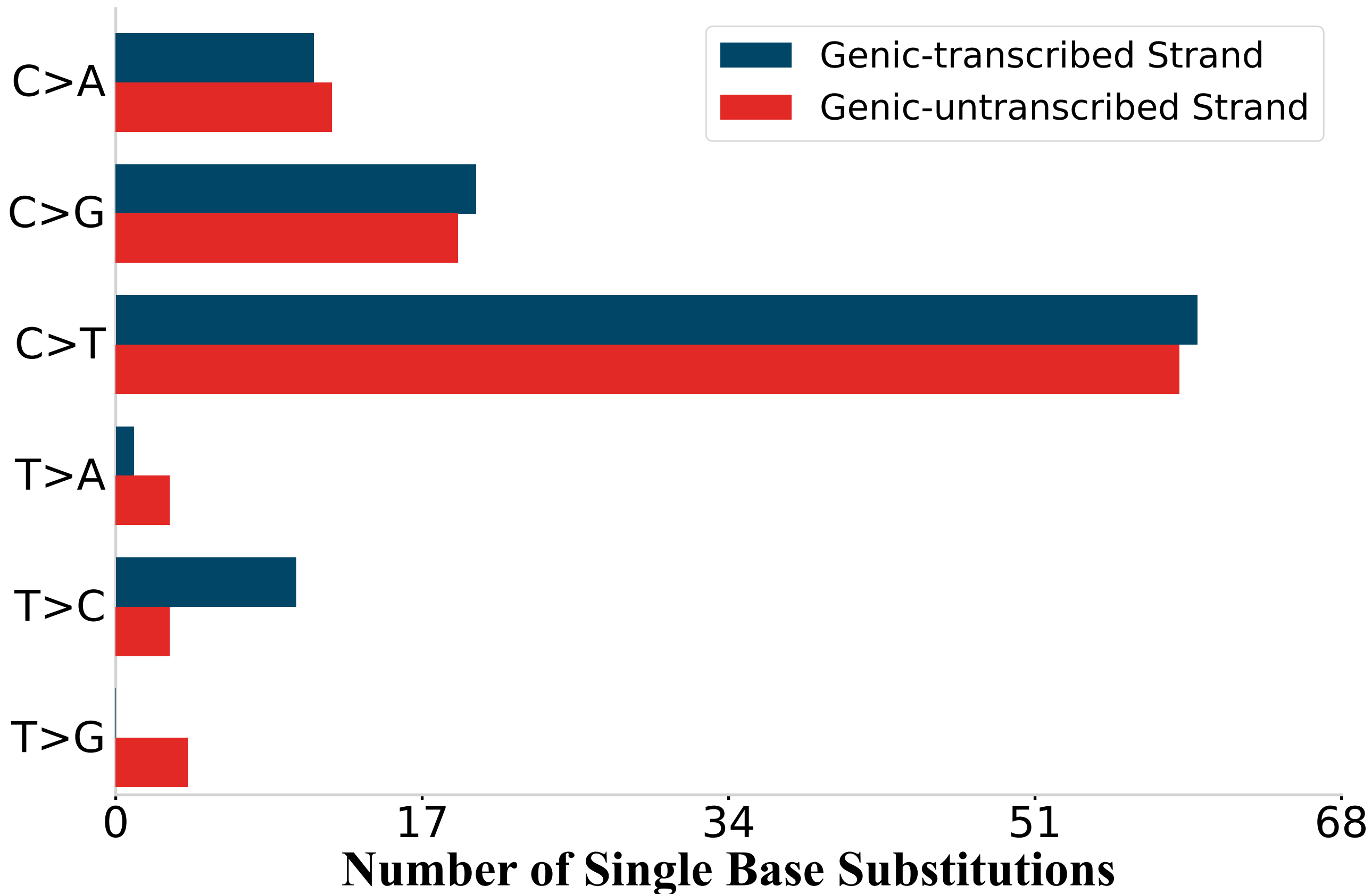
TCGA-K4-A4AC-01A-21D-A26M-08: 176 transcribe



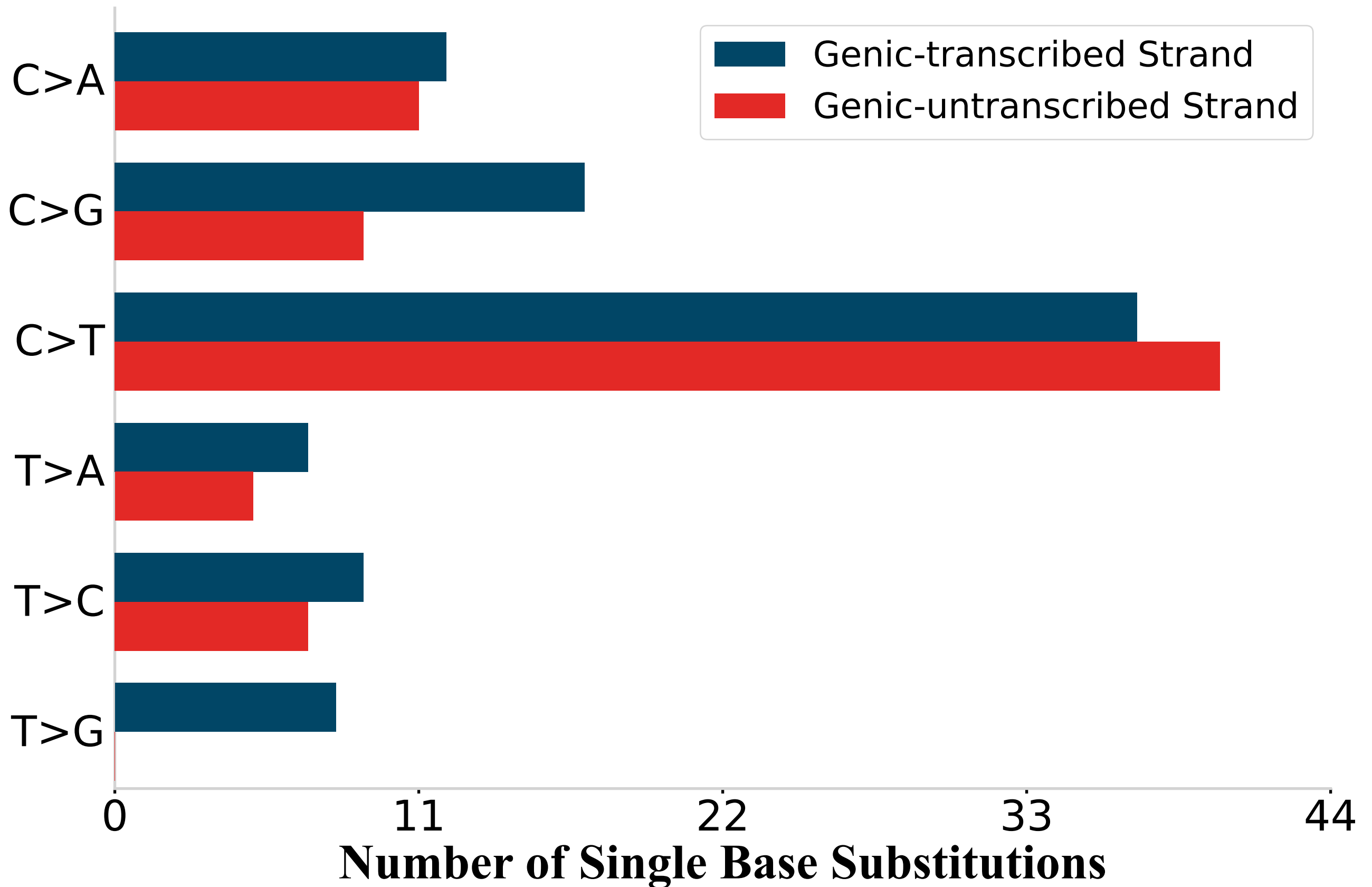
TCGA-K4-A54R-01A-11D-A26M-08: 1,120 transcrib



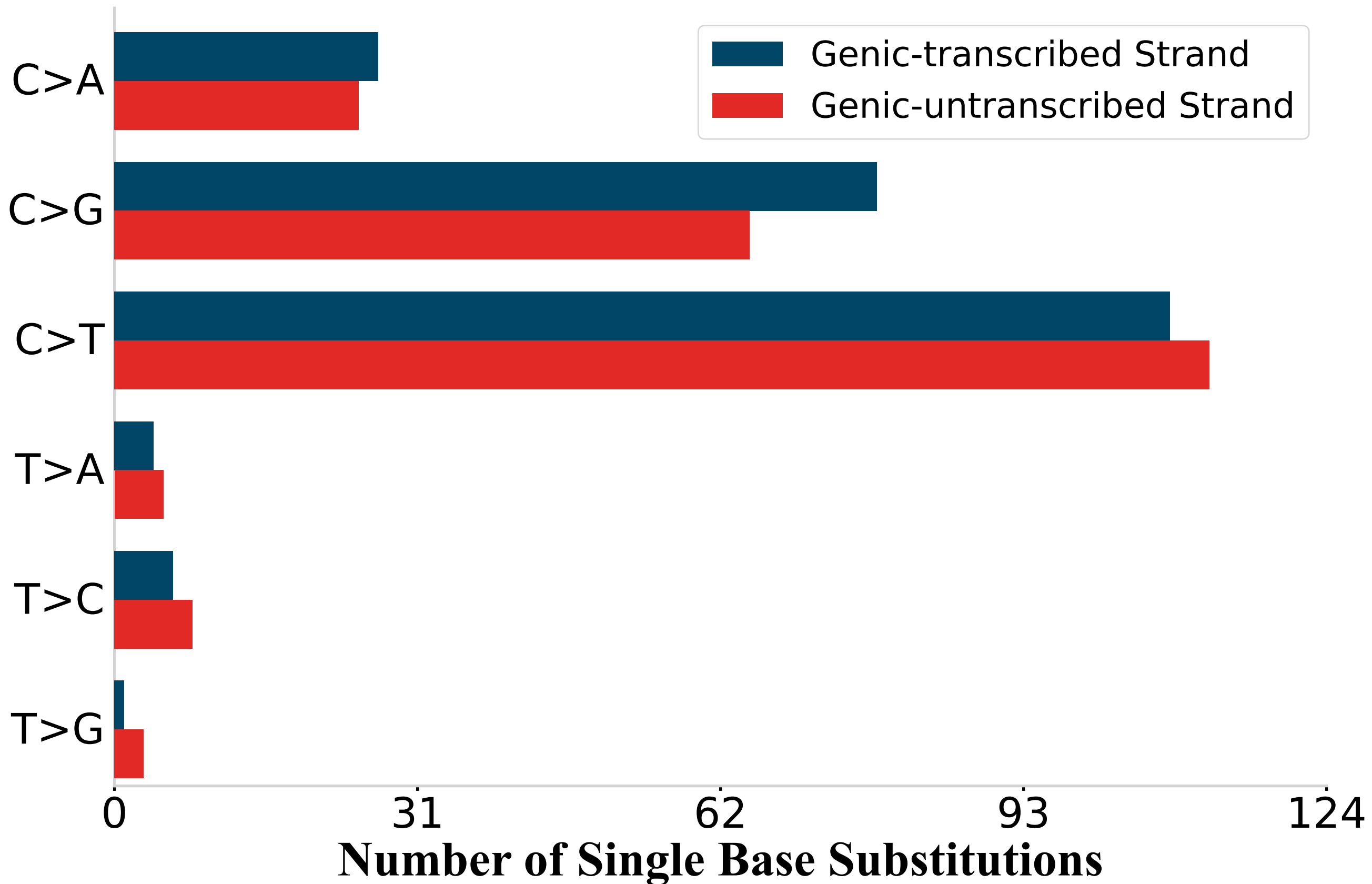
TCGA-K4-A5RH-01A-11D-A30E-08: 202 transcribed



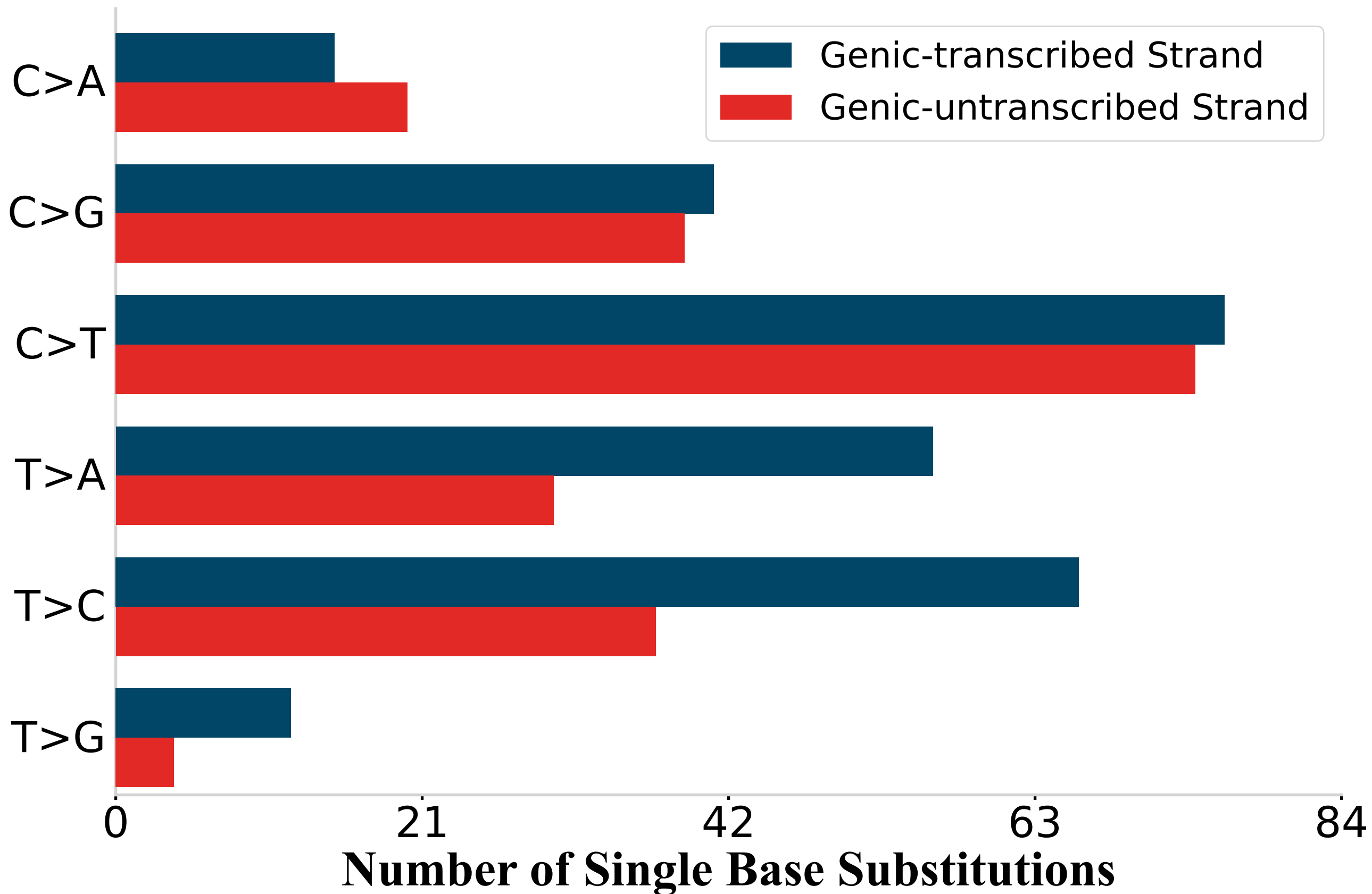
TCGA-K4-A5RI-01A-11D-A289-08: 162 transcribed



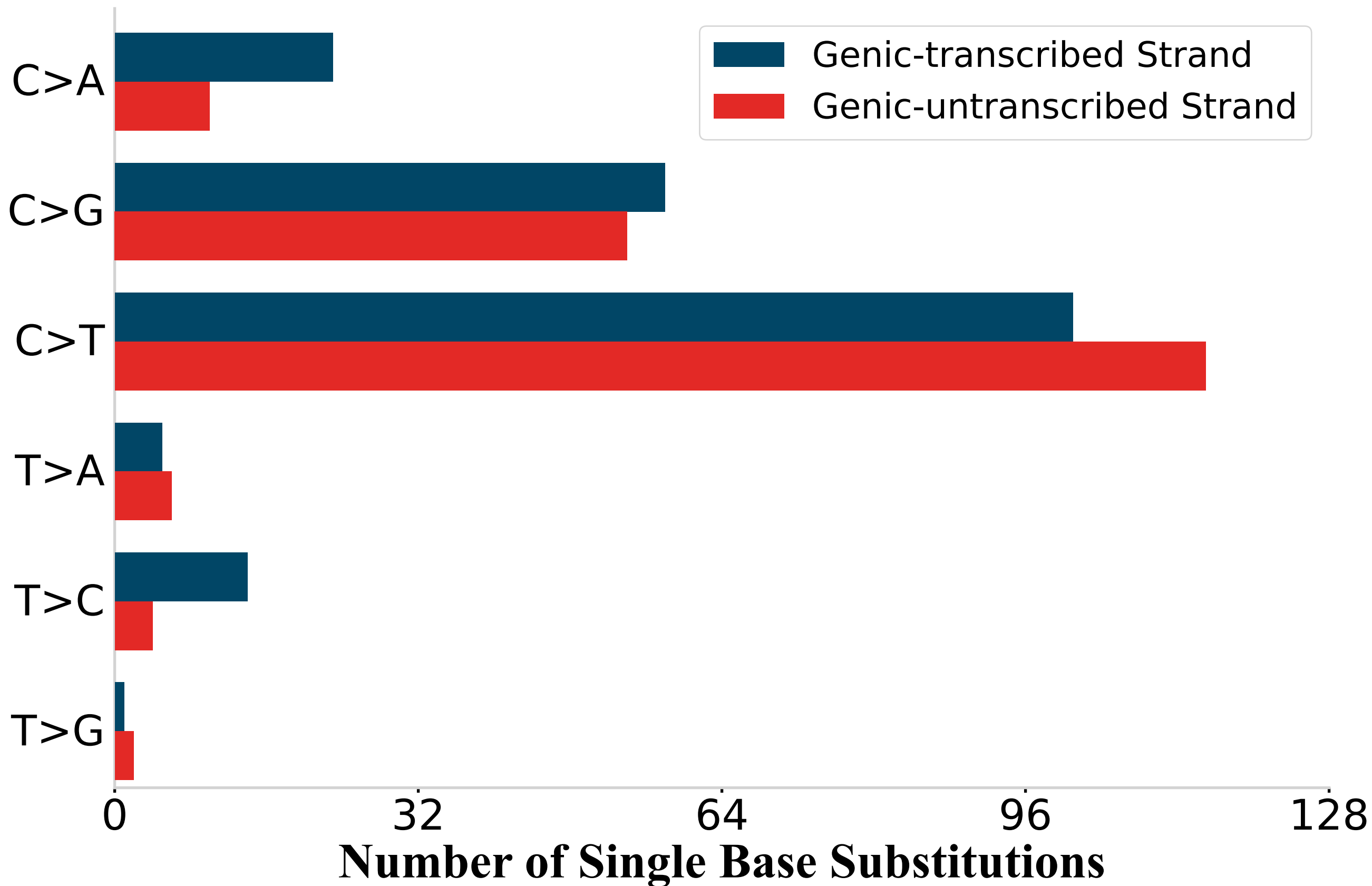
TCGA-K4-A5RJ-01A-11D-A289-08: 442 transcribed



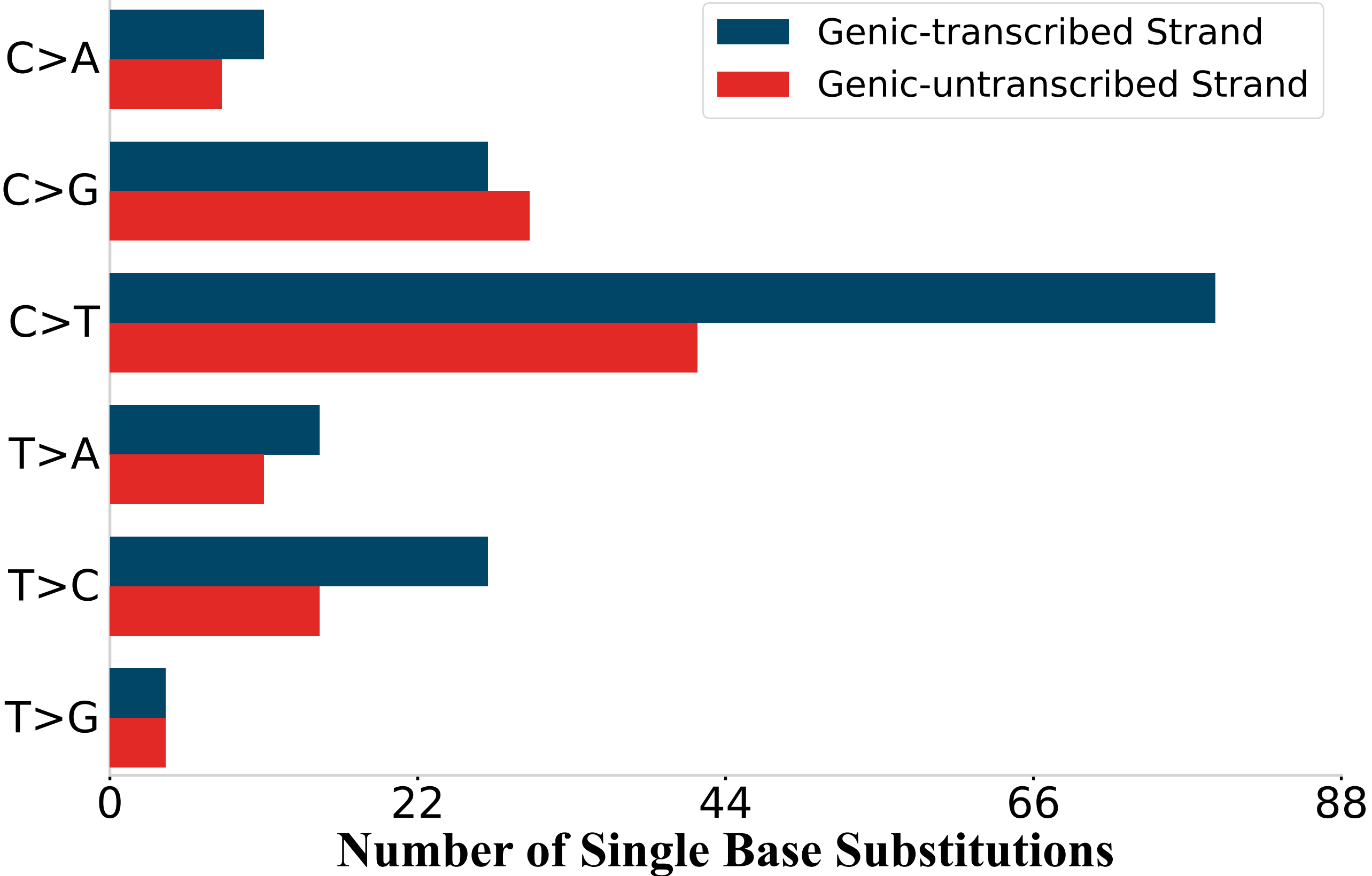
TCGA-K4-A6FZ-01A-11D-A31L-08: 470 transcribed



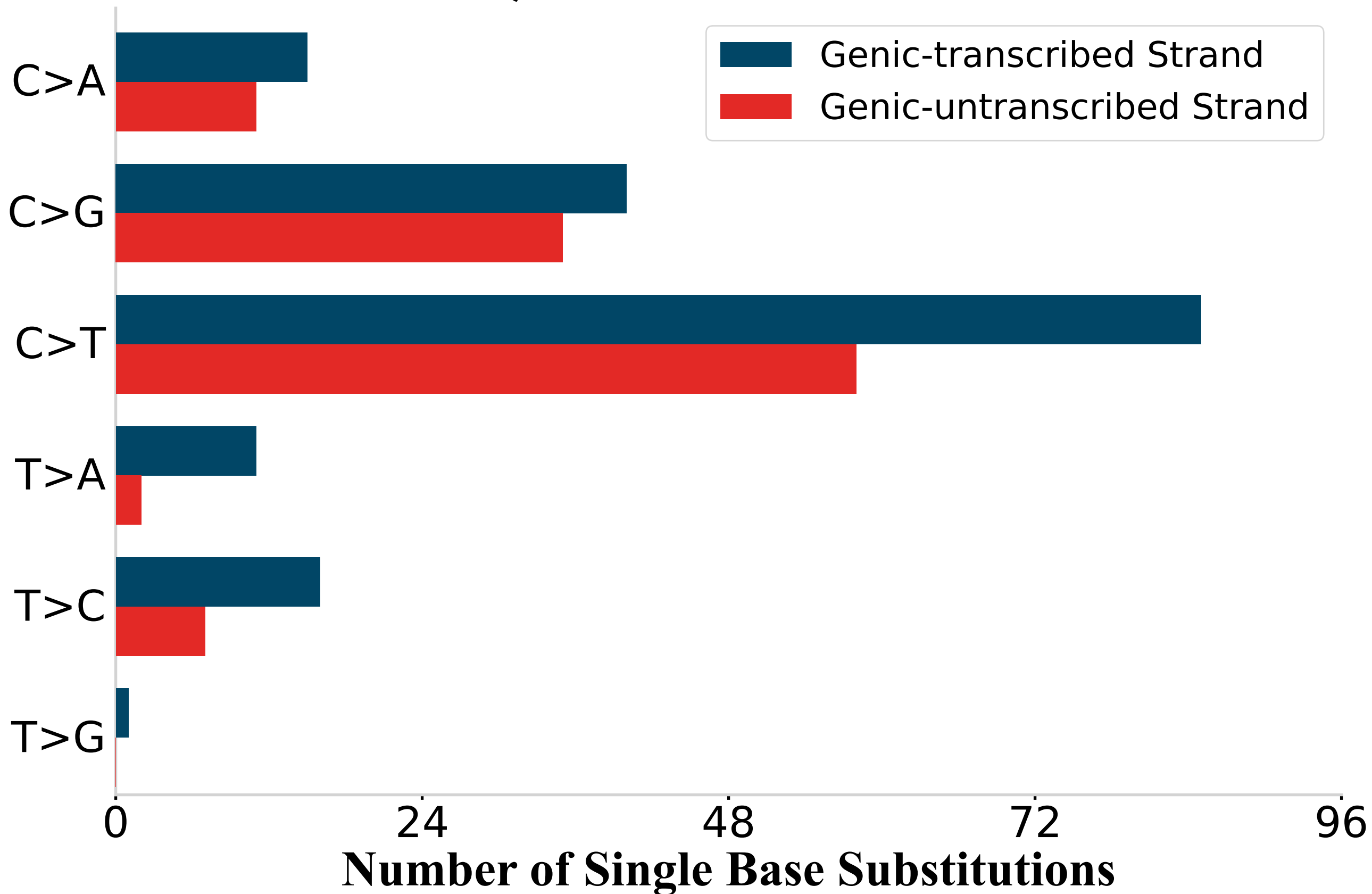
TCGA-K4-A6MB-01A-11D-A31L-08: 393 transcribed



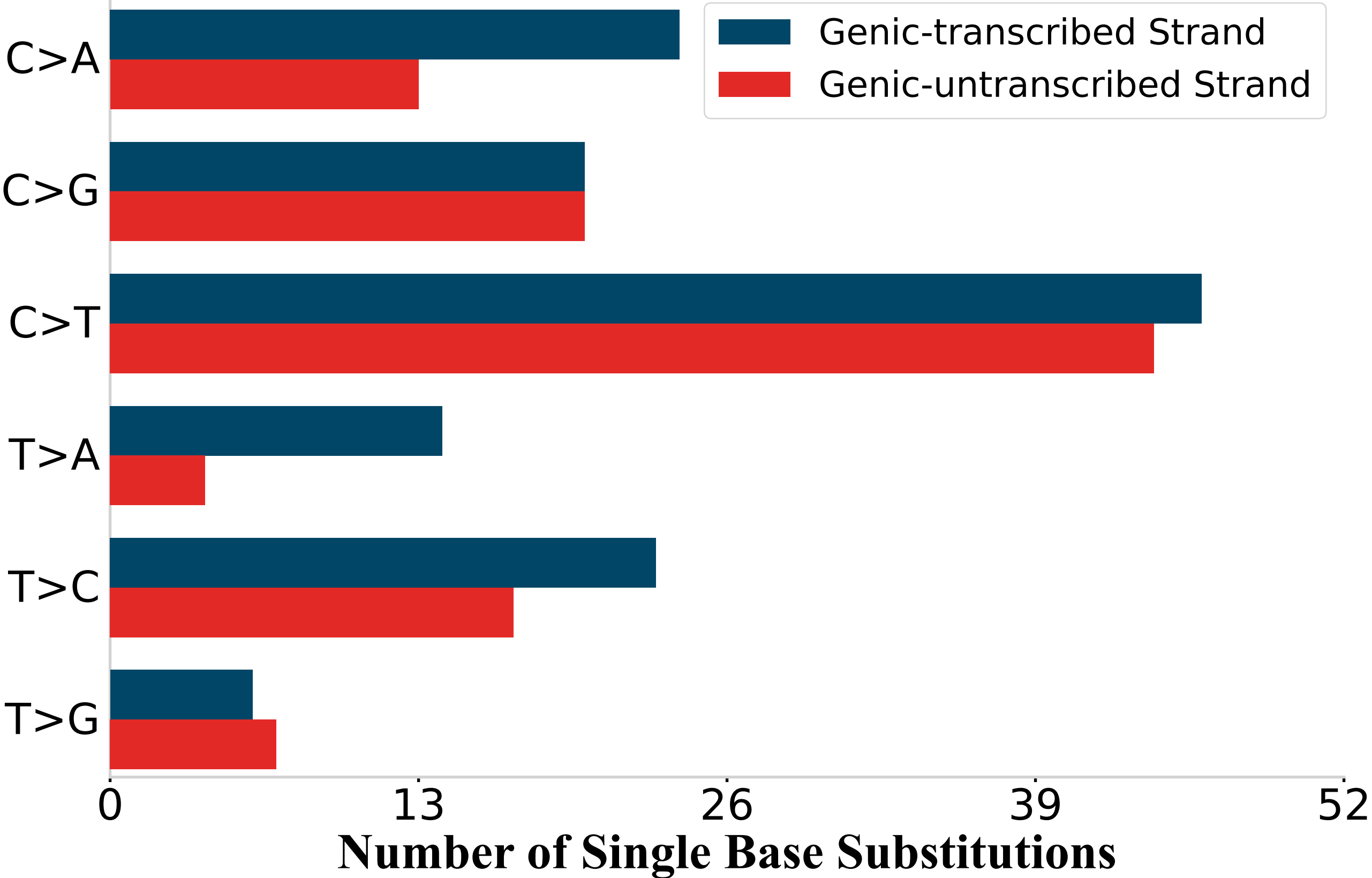
TCGA-K4-A83P-01A-11D-A34U-08: 273 transcribed



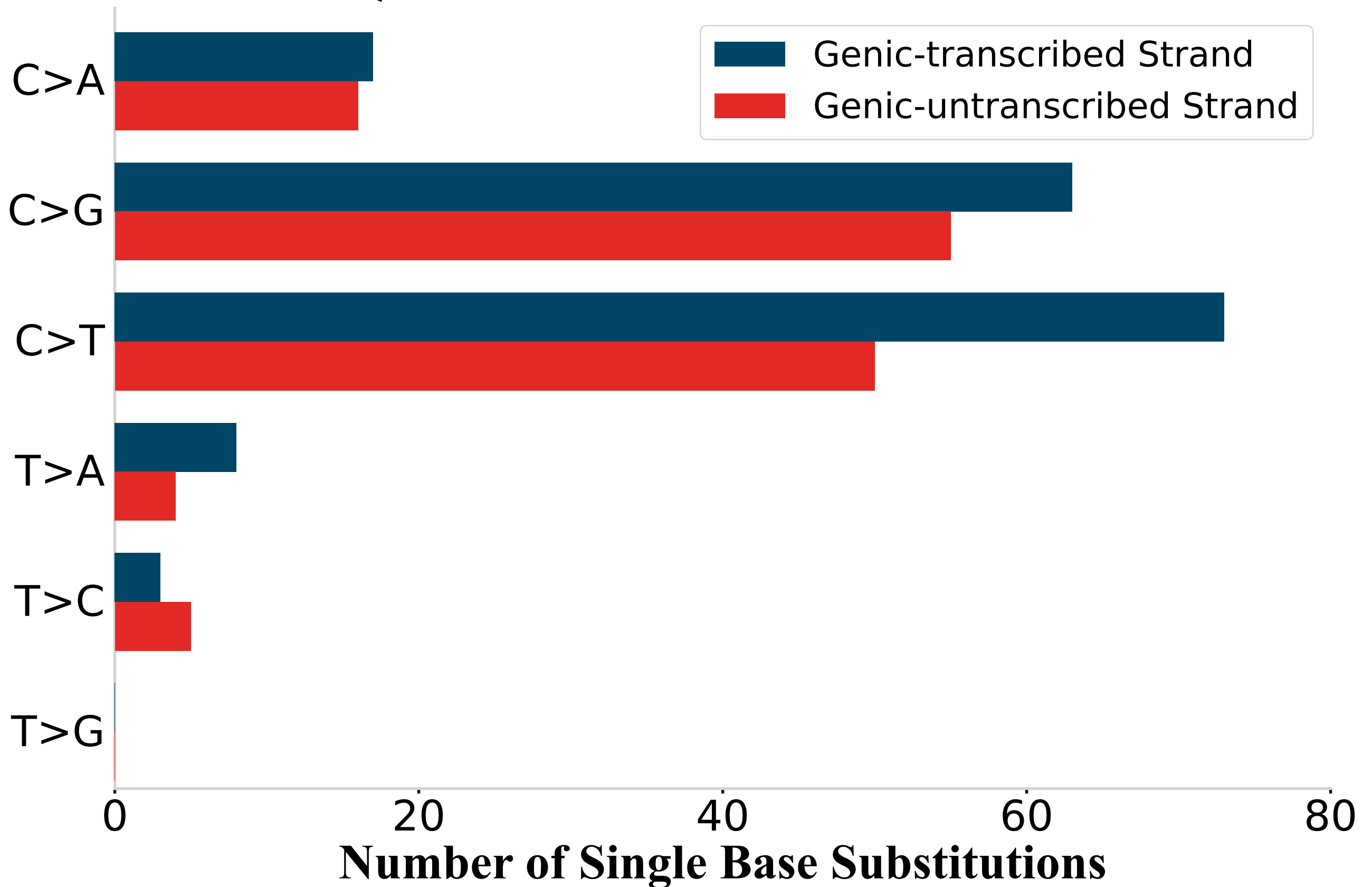
TCGA-K4-AAQO-01A-11D-A38G-08: 281 transcribed



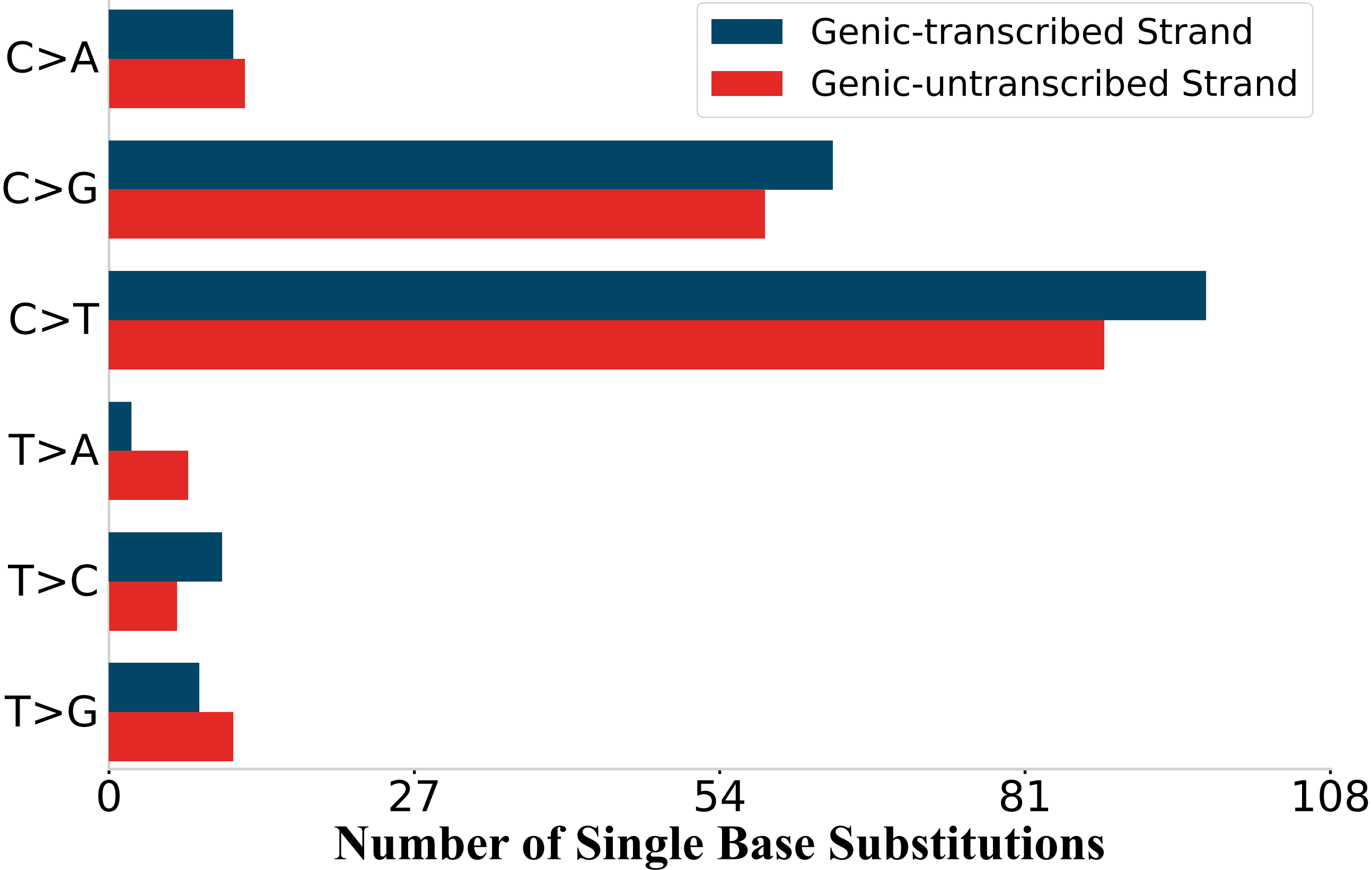
TCGA-KQ-A41N-01A-11D-A339-08: 238 transcribed



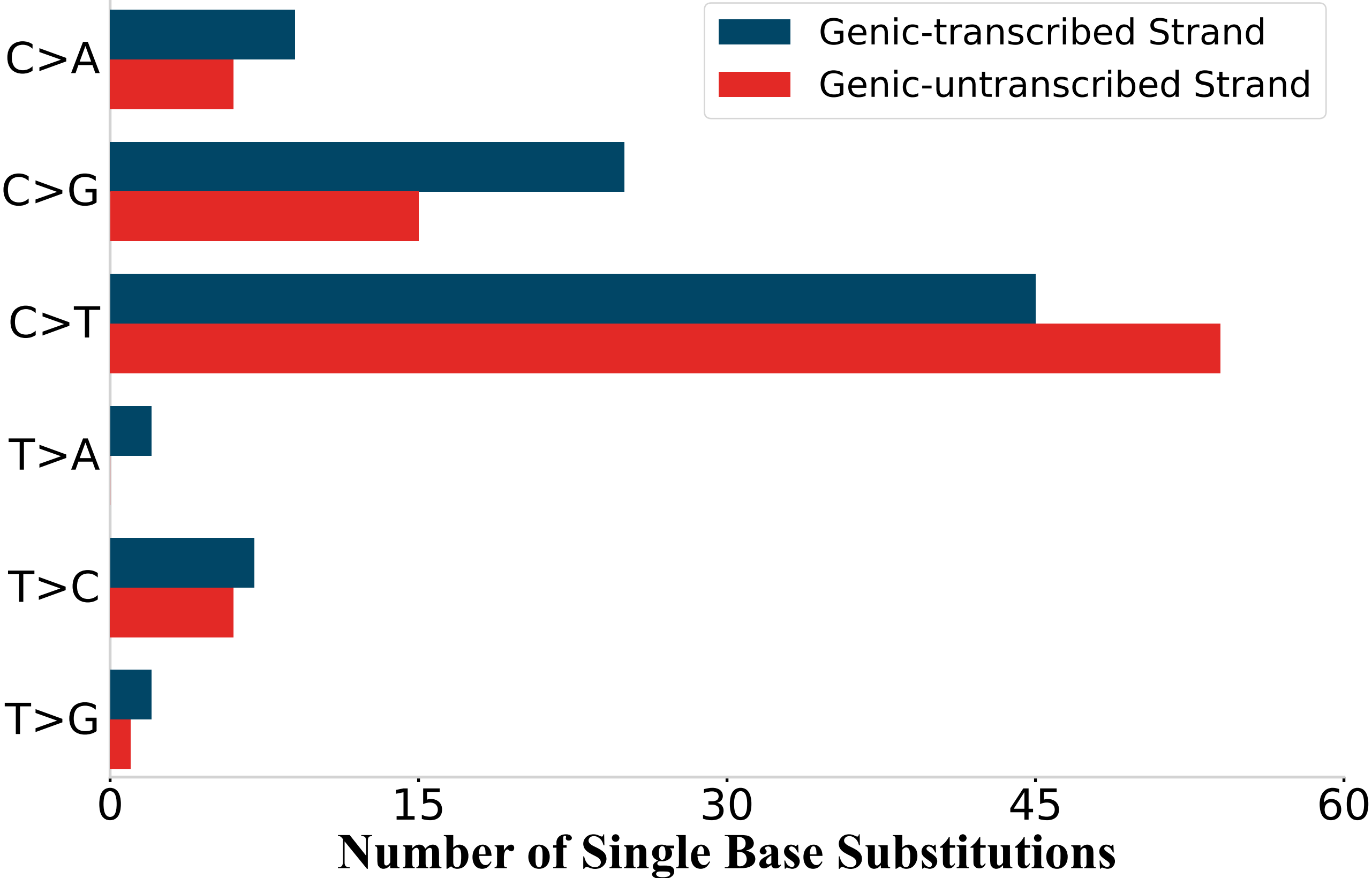
TCGA-KQ-A41O-01A-12D-A34U-08: 294 transcribe



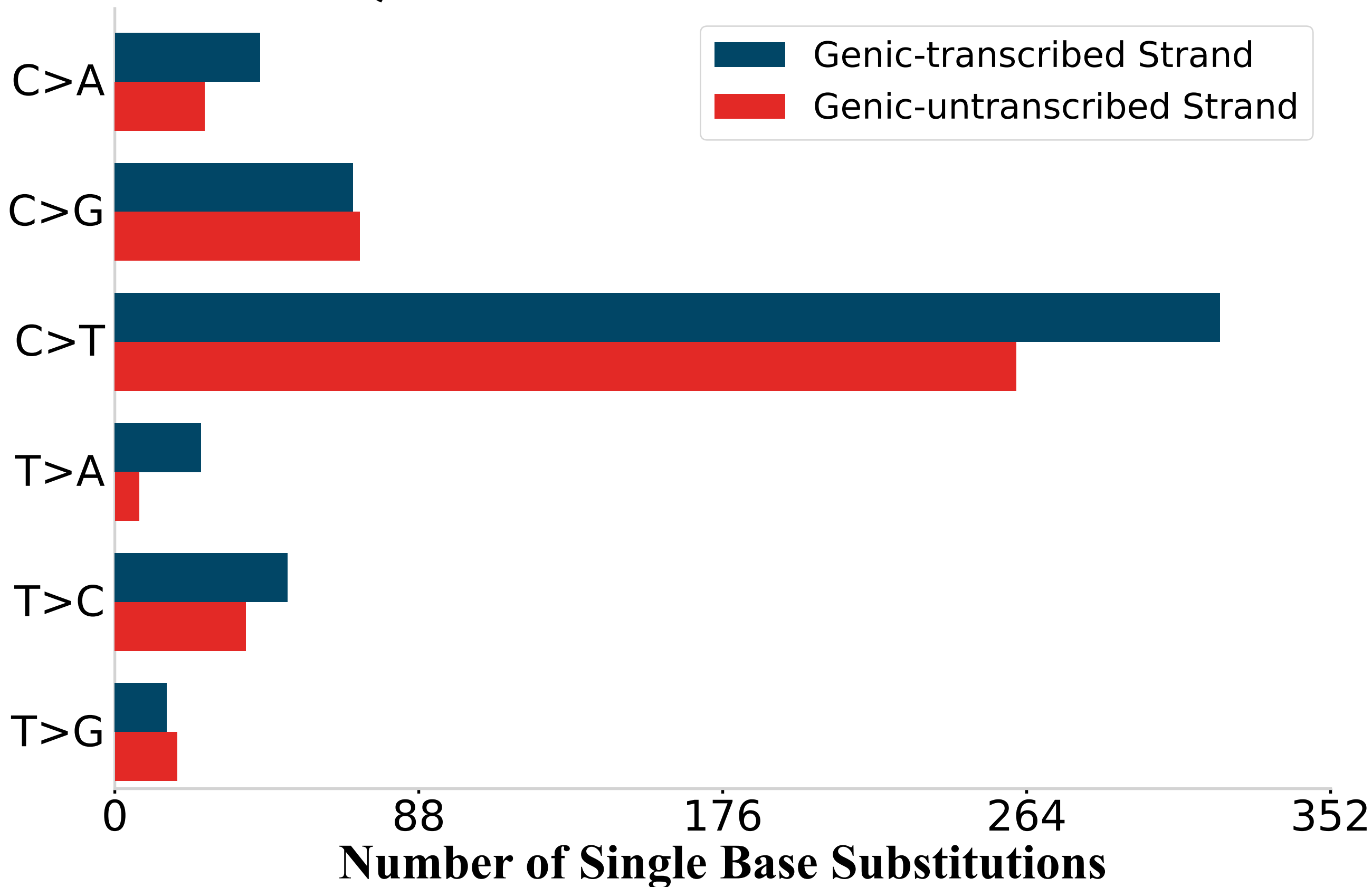
TCGA-KQ-A41P-01A-12D-A339-08: 374 transcribed



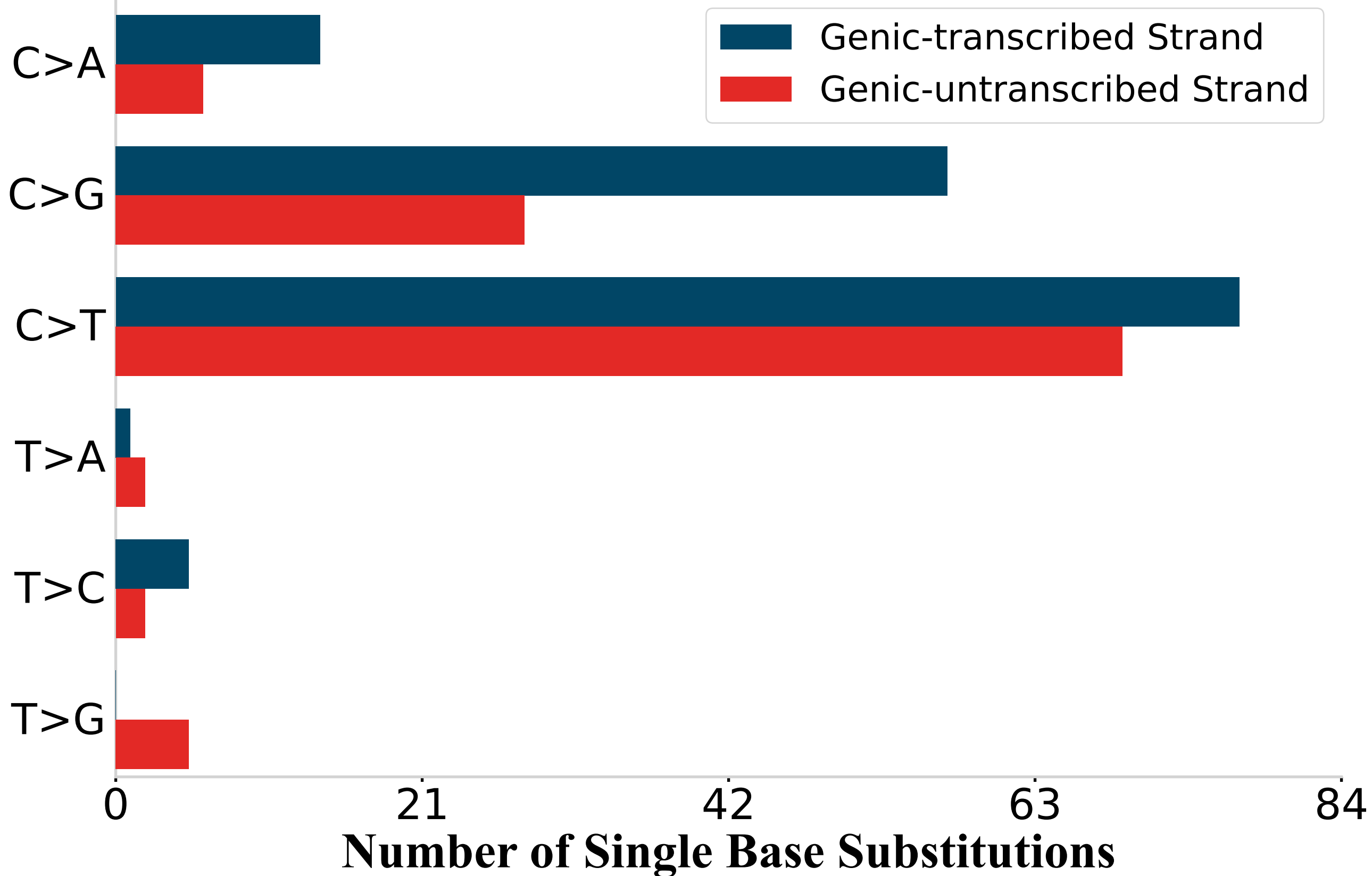
TCGA-KQ-A41Q-01A-11D-A339-08: 172 transcribed



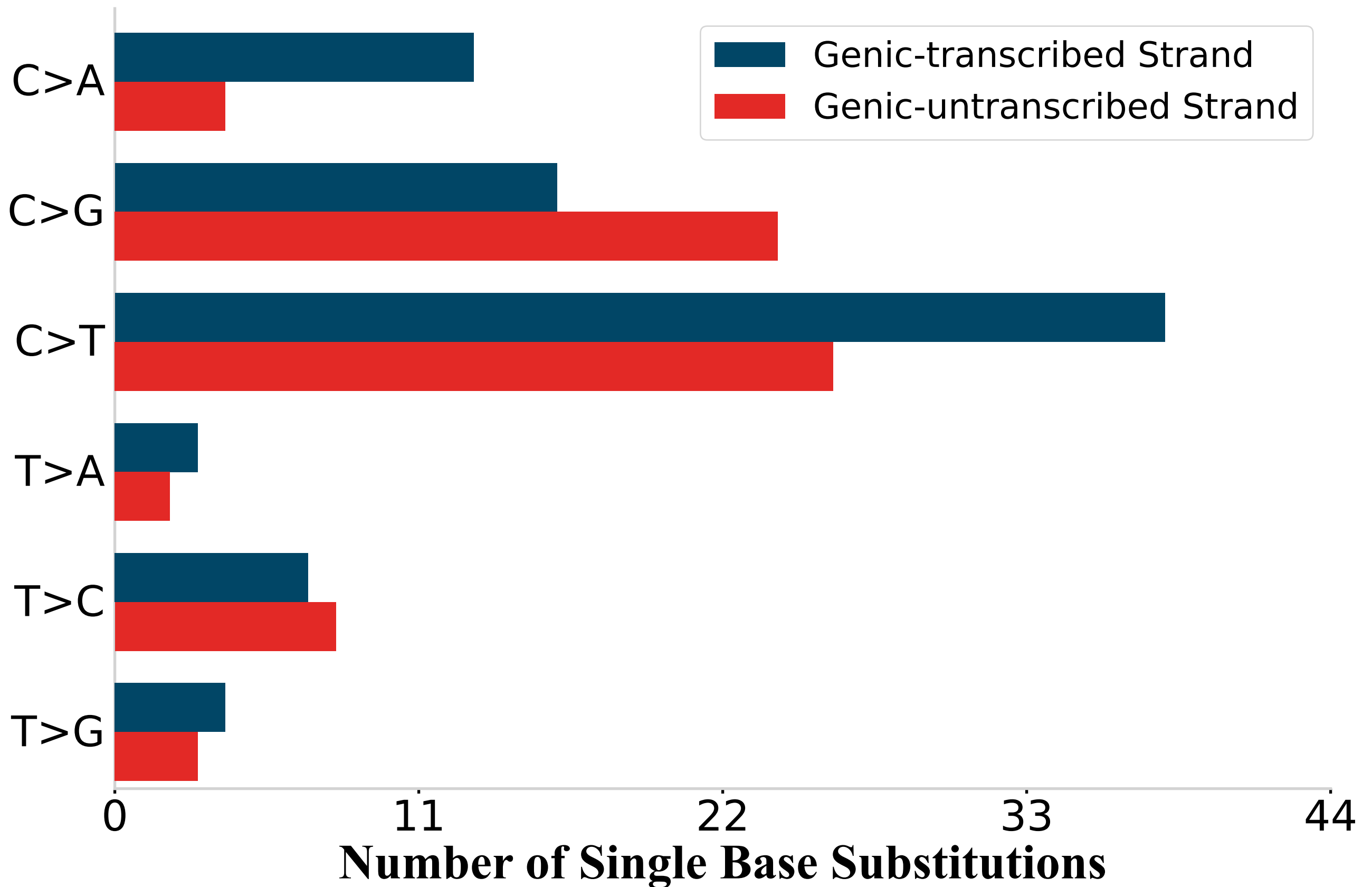
TCGA-KQ-A41R-01A-21D-A34U-08: 942 transcribe



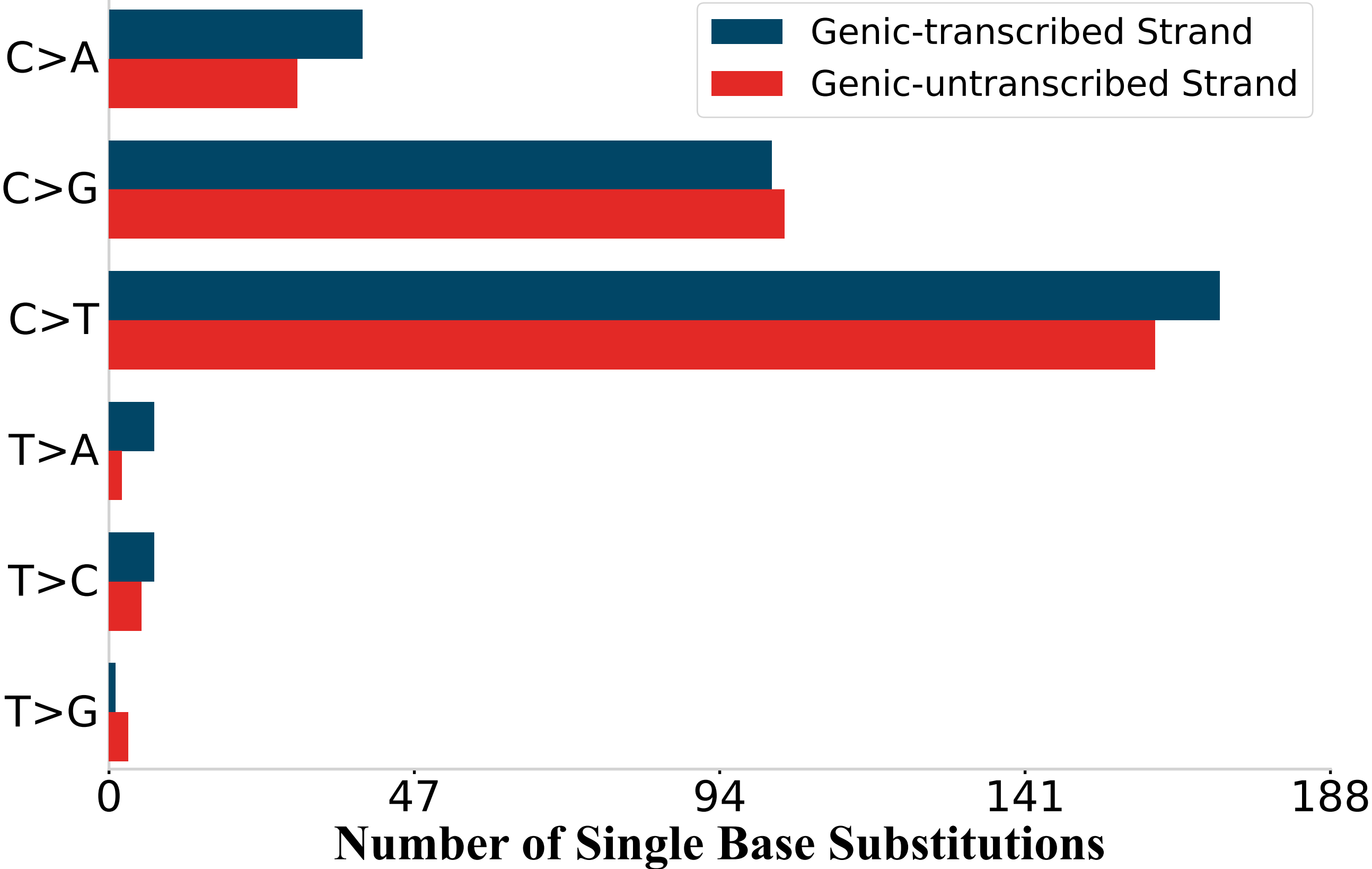
TCGA-KQ-A41S-01A-12D-A339-08: 266 transcribed



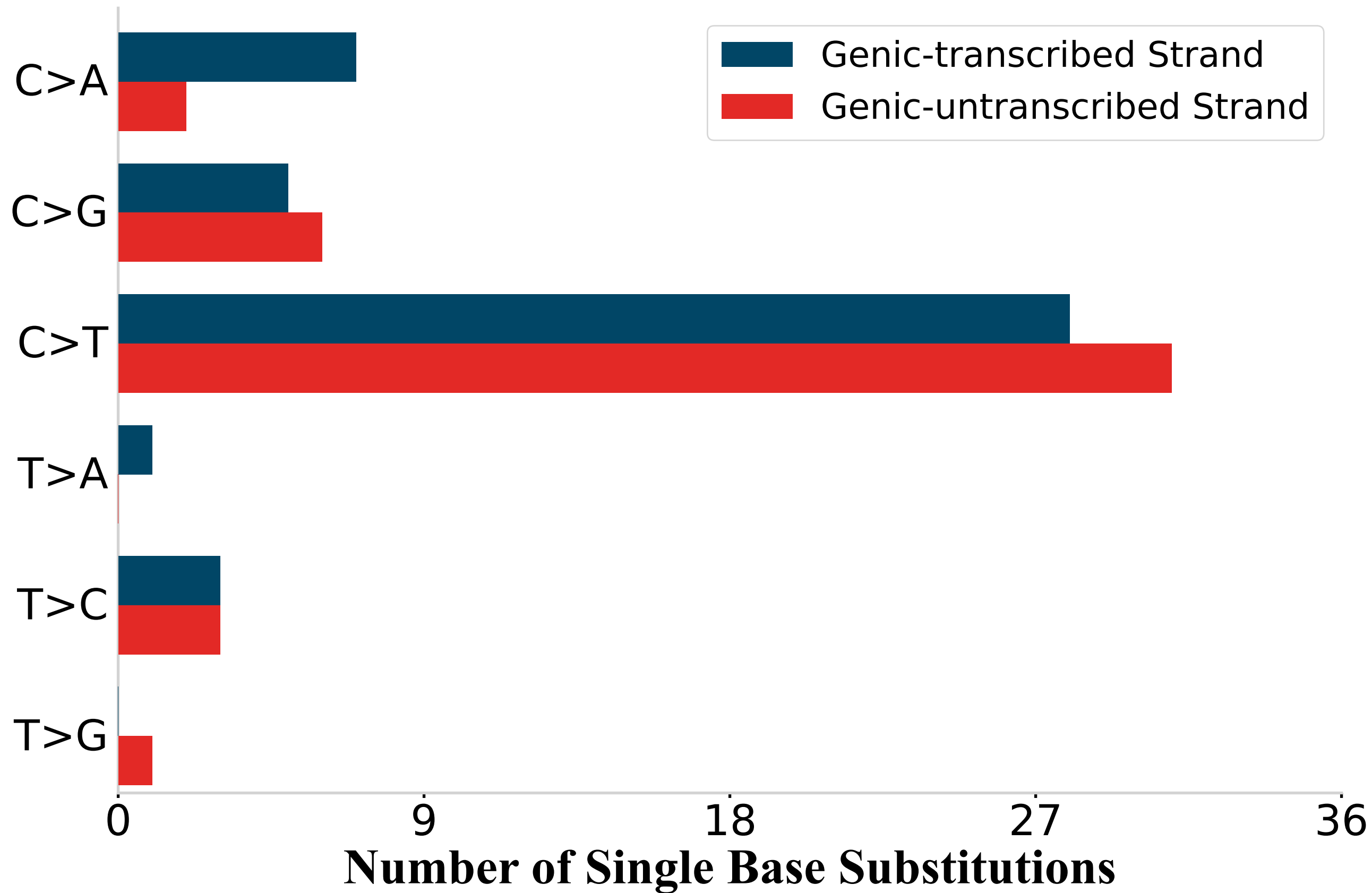
TCGA-LC-A66R-01A-41D-A30E-08: 148 transcribed



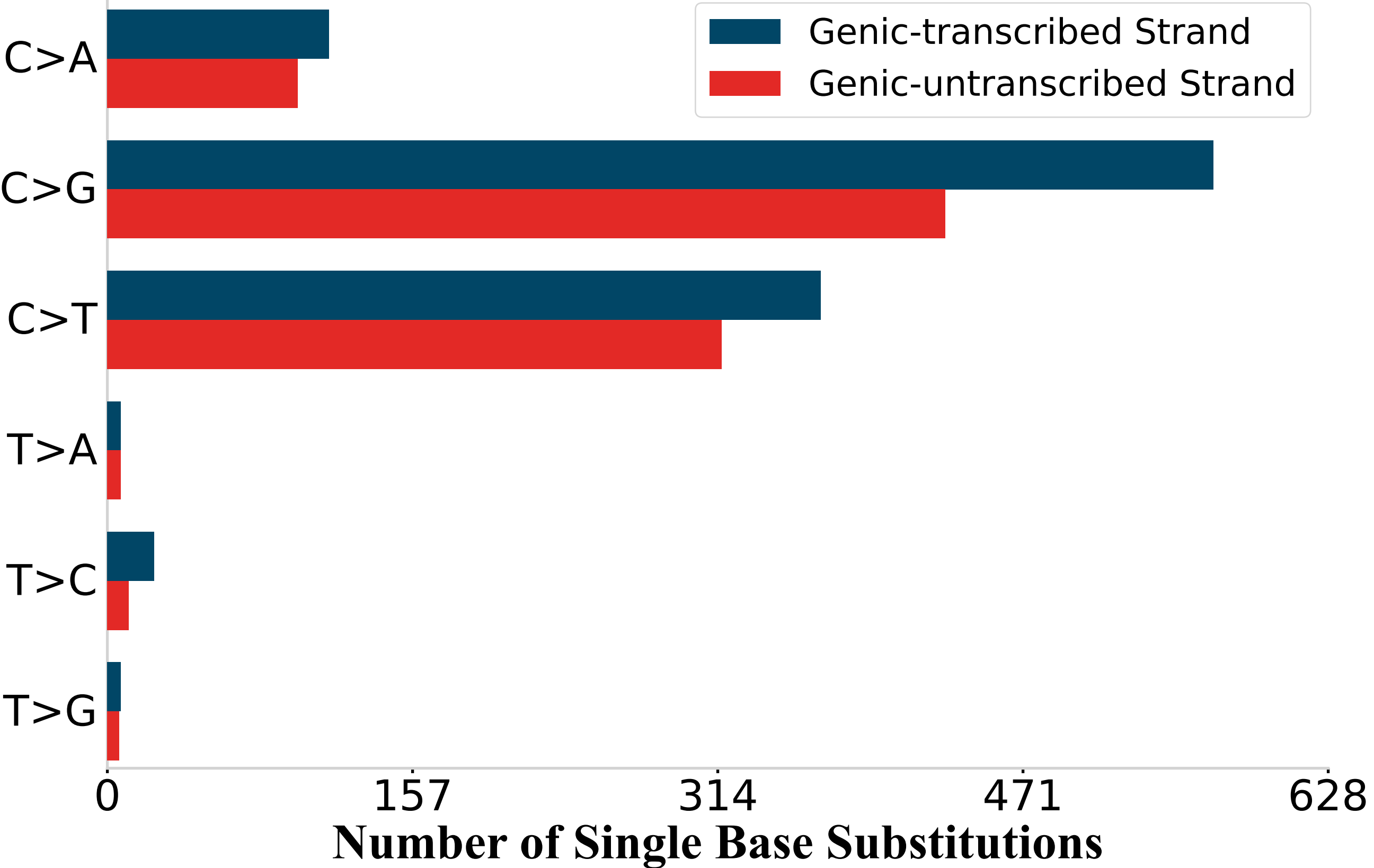
TCGA-LT-A5Z6-01A-11D-A289-08: 631 transcribed



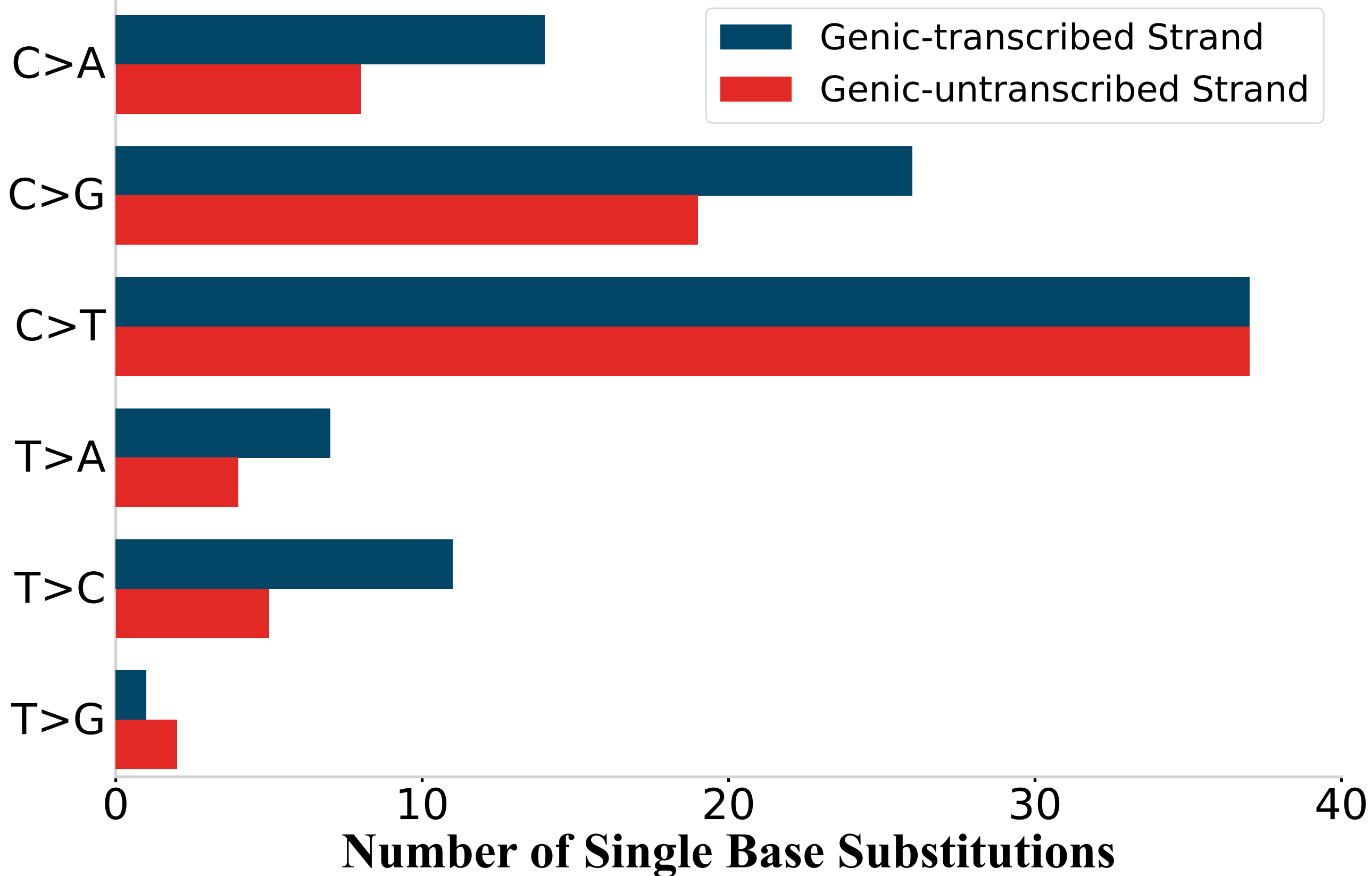
TCGA-LT-A8JT-01A-11D-A364-08: 87 transcribed s



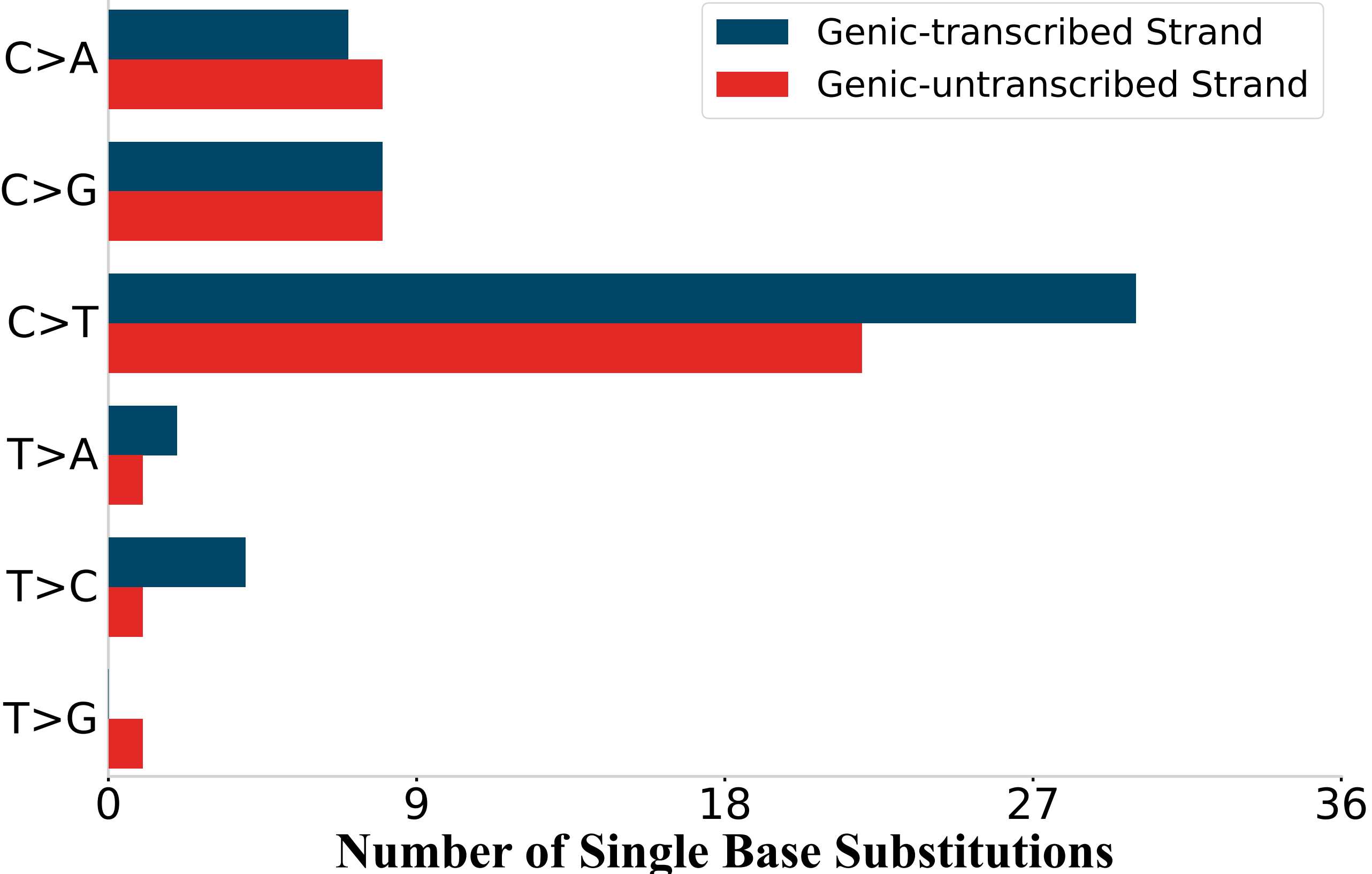
TCGA-MV-A51V-01A-11D-A26M-08: 1,957 transcribed



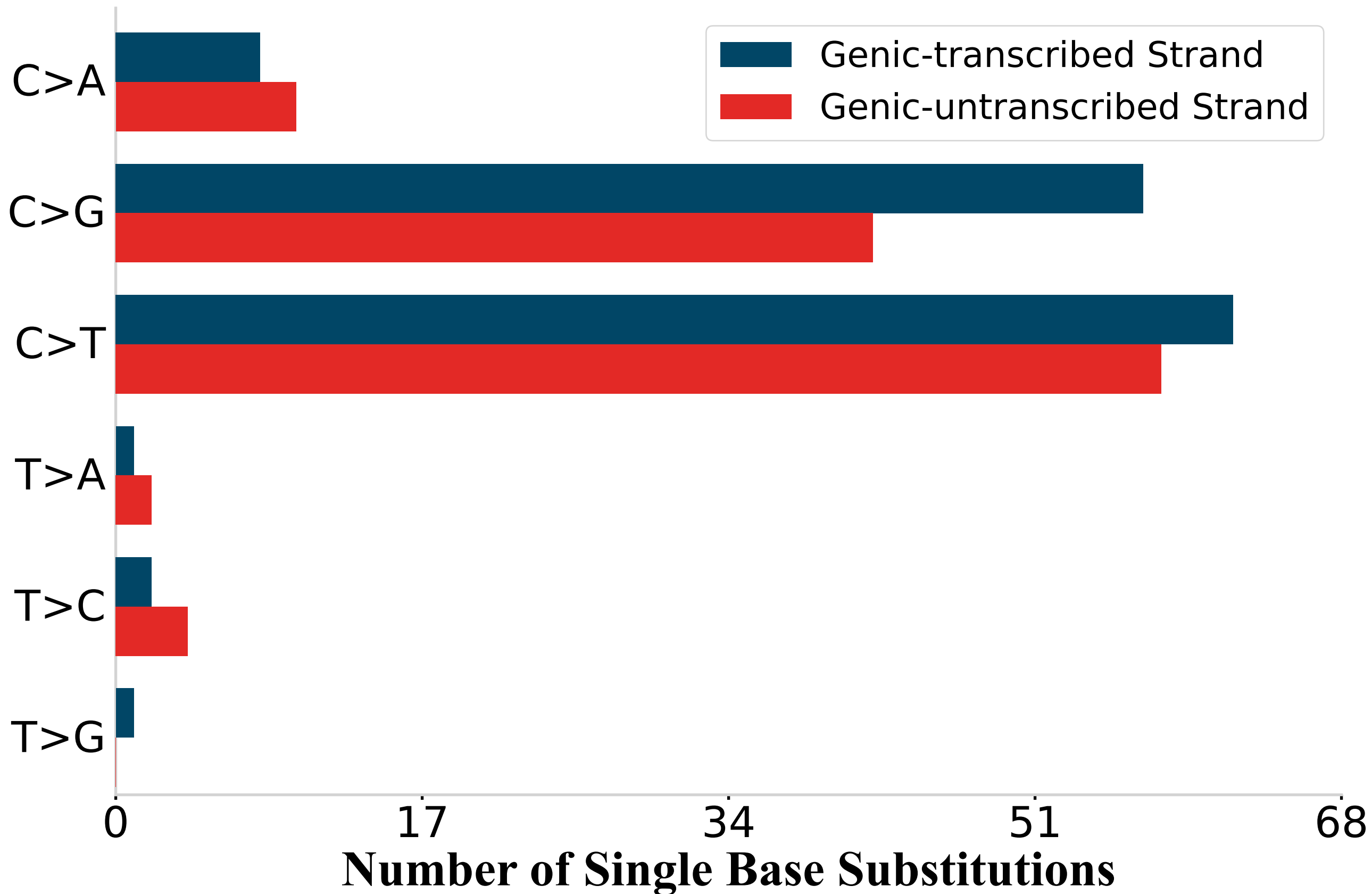
TCGA-PQ-A6FI-01A-11D-A31L-08: 171 transcribed



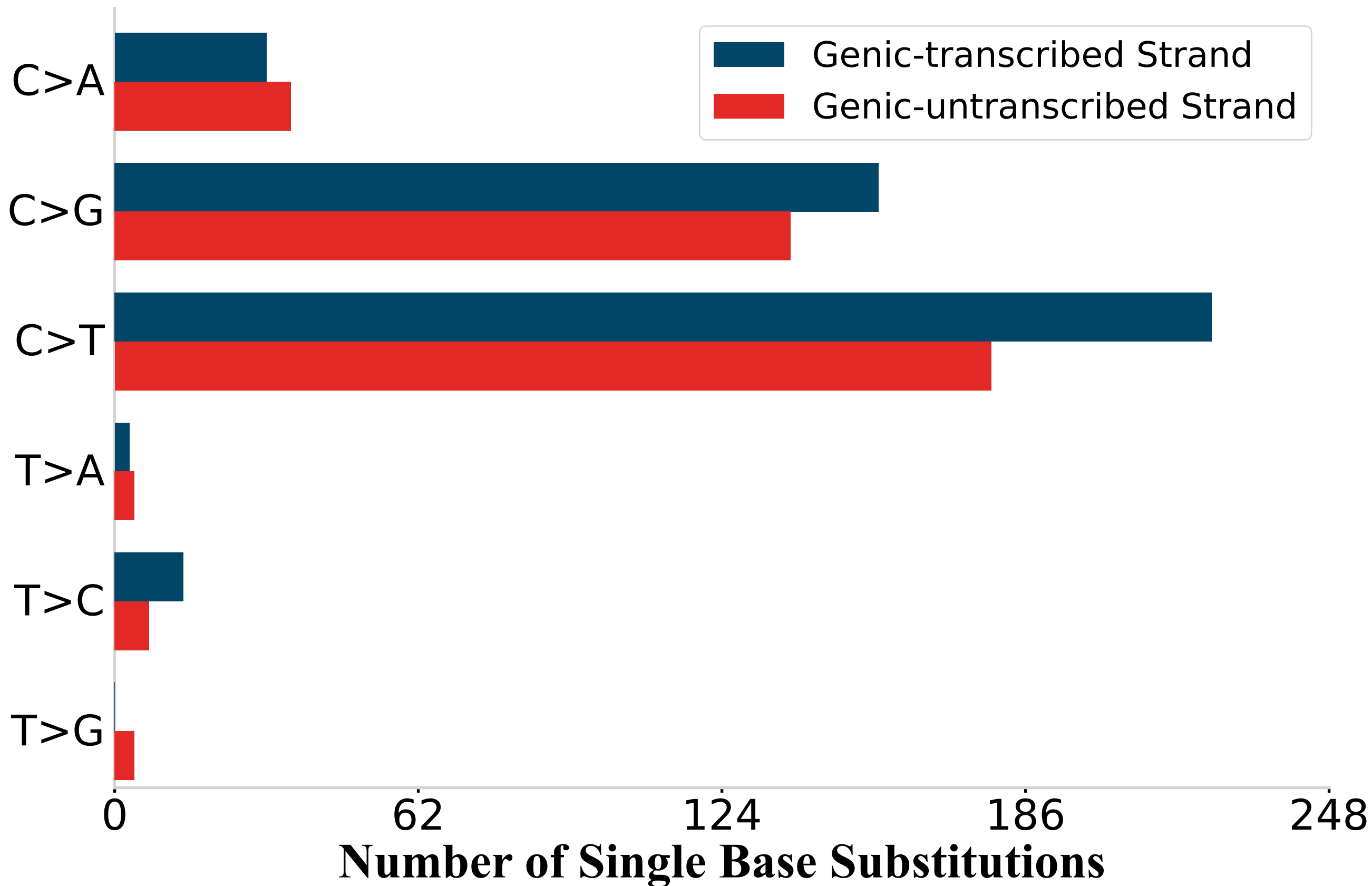
TCGA-PQ-A6FN-01A-11D-A31L-08: 92 transcribed



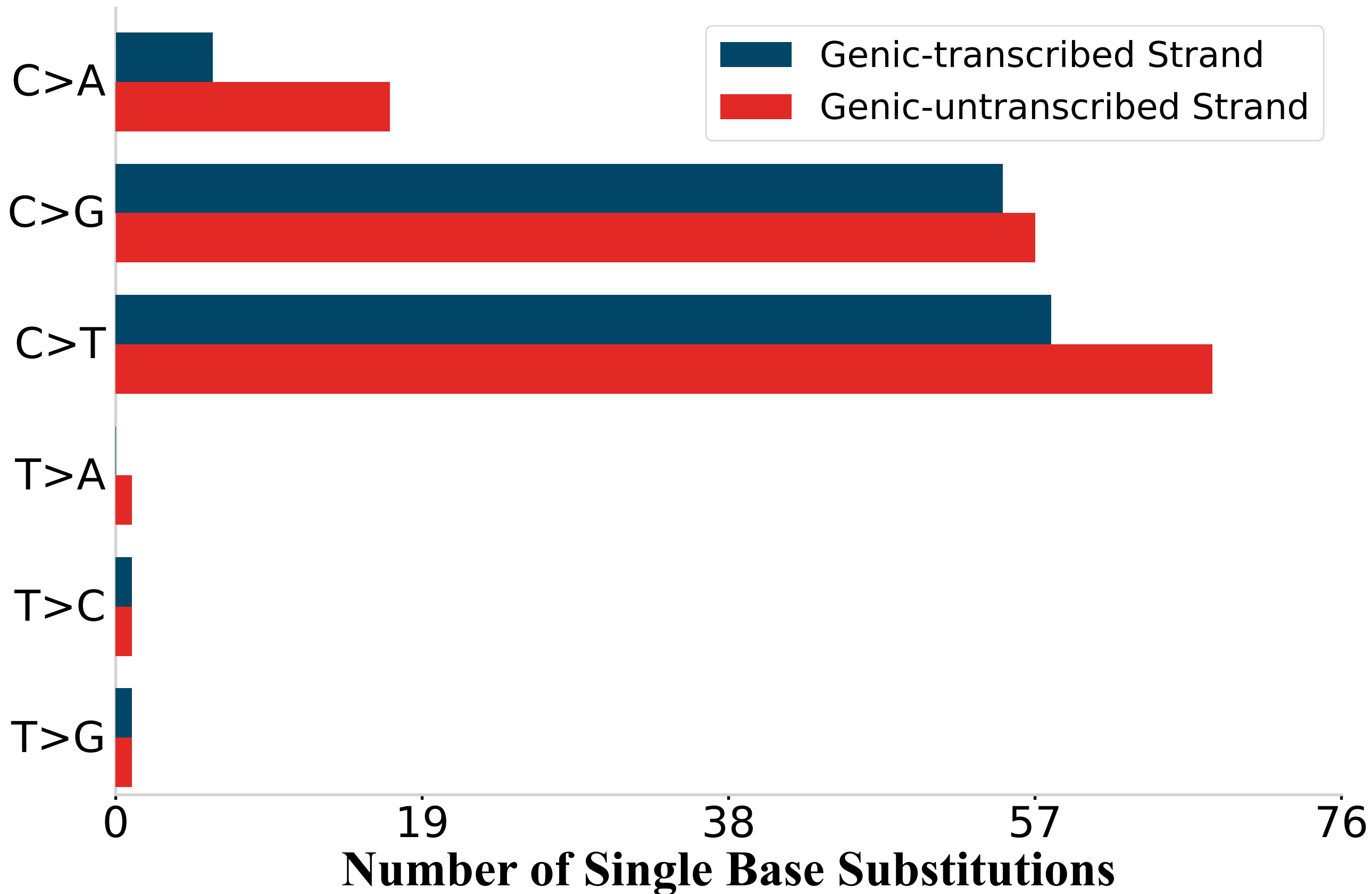
TCGA-R3-A69X-01A-22D-A30E-08: 247 transcribed



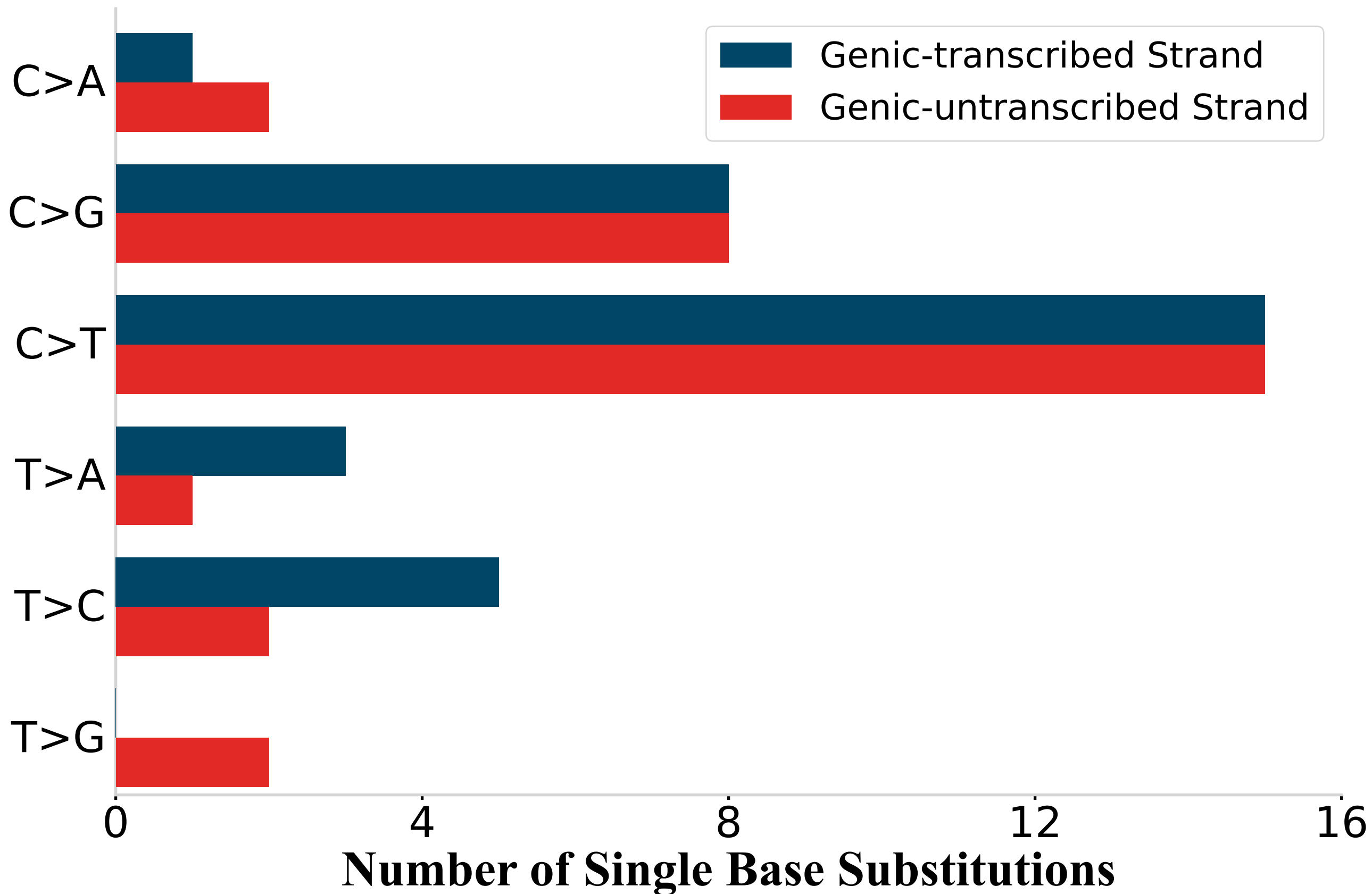
TCGA-S5-A6DX-01A-11D-A31L-08: 796 transcribed



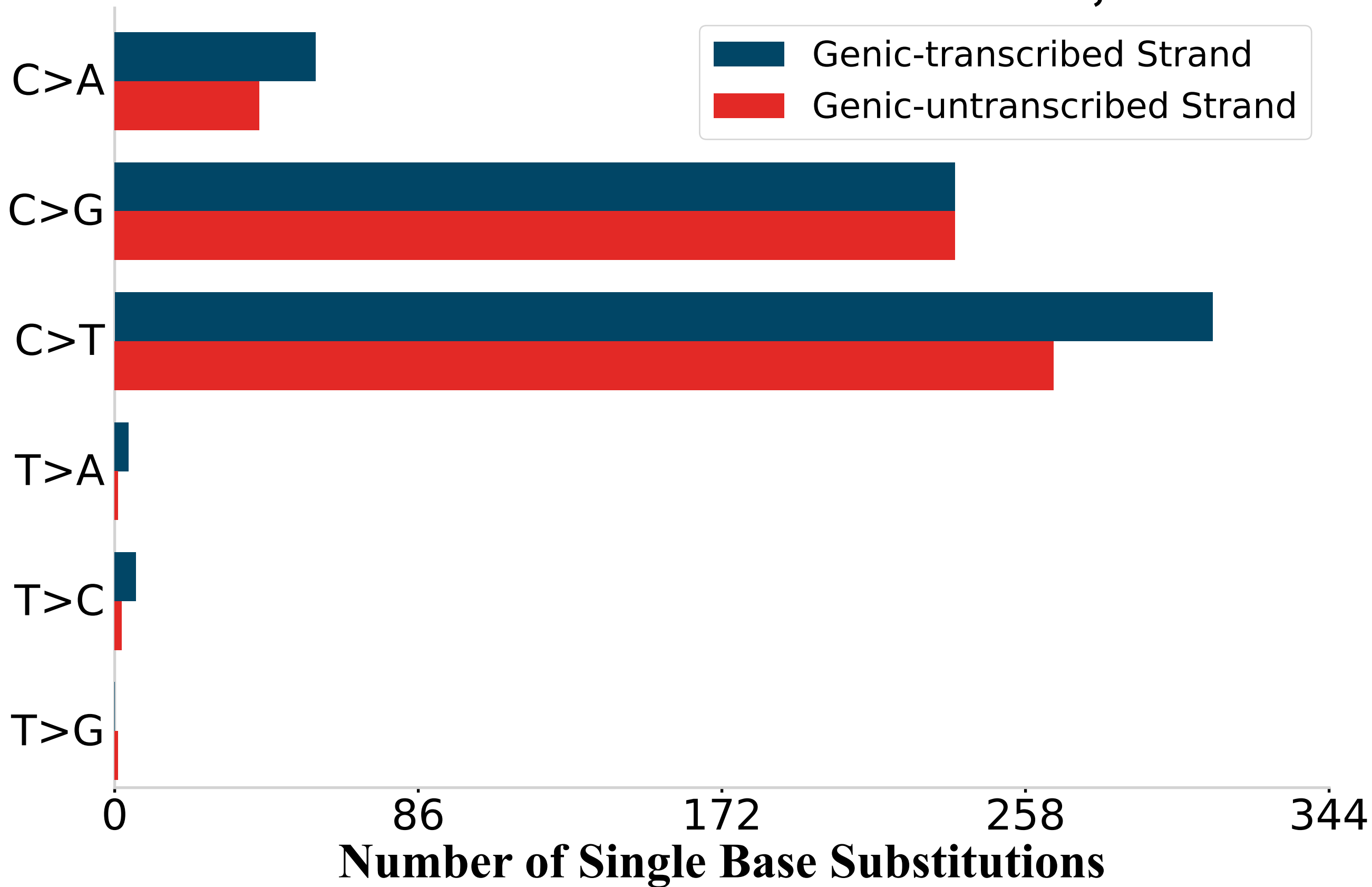
TCGA-S5-AA26-01A-11D-A38G-08: 266 transcribed



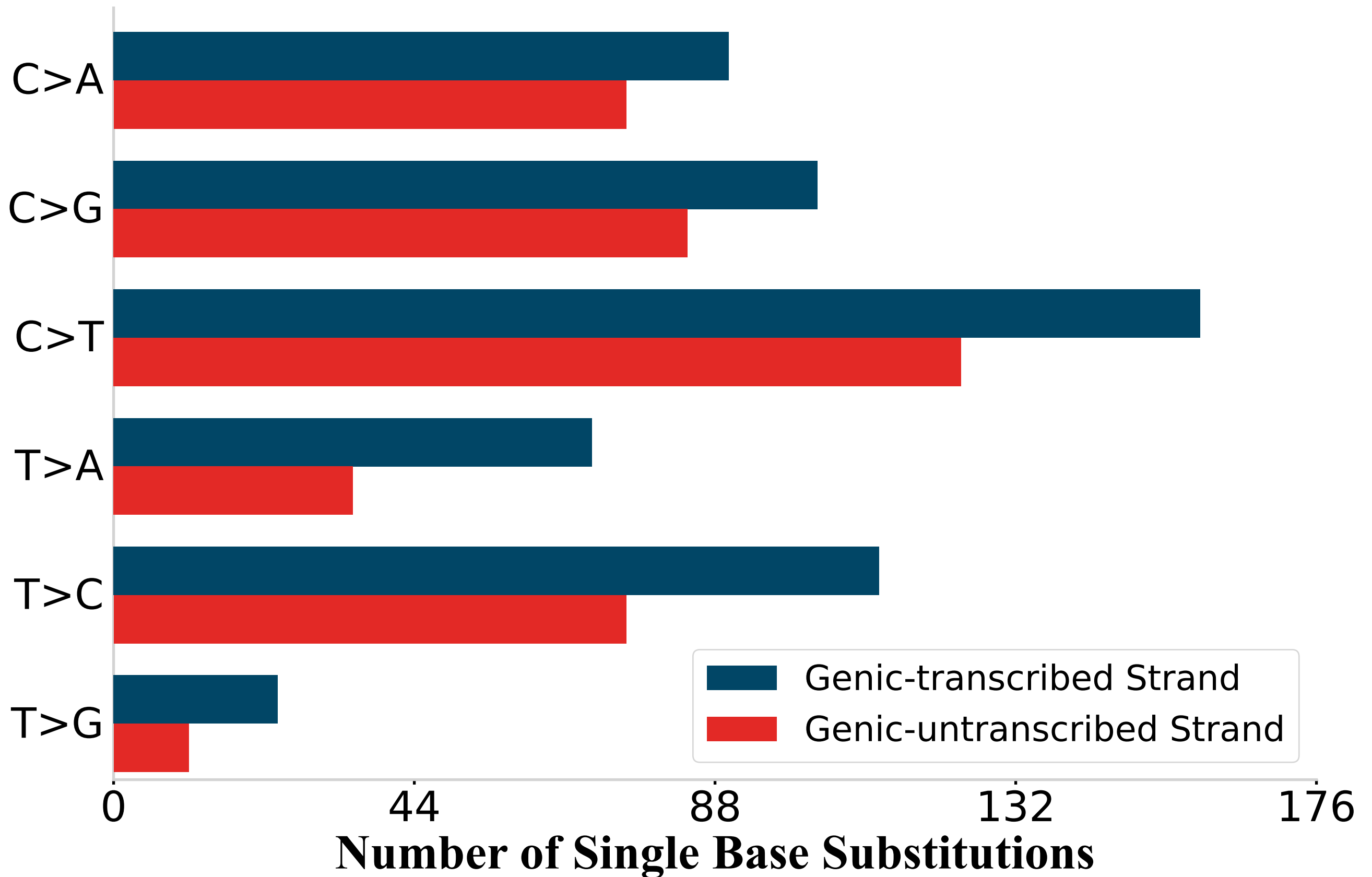
TCGA-SY-A9G0-01A-12D-A38G-08: 62 transcribed



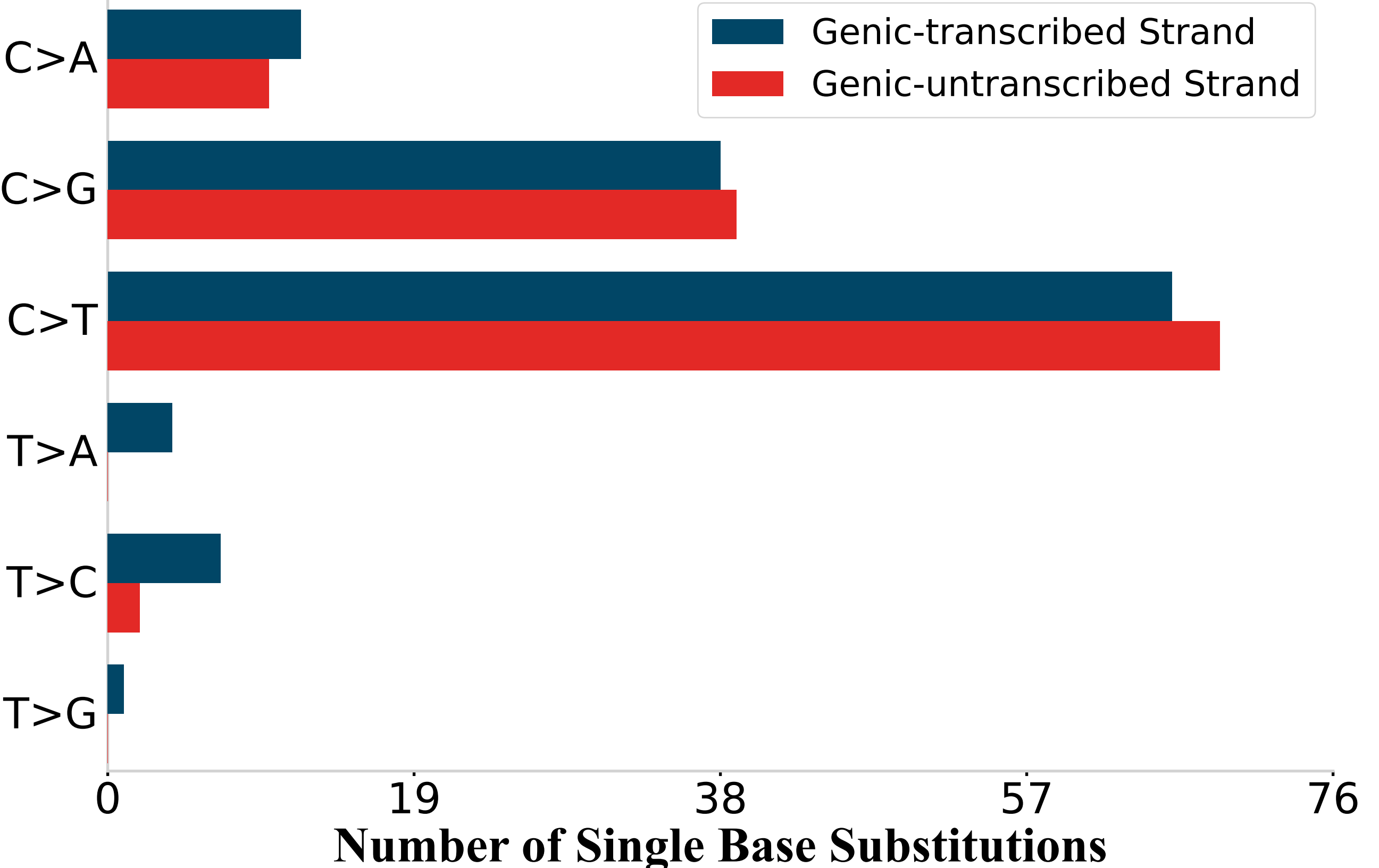
TCGA-SY-A9G5-01A-11D-A38G-08: 1,165 transcrib



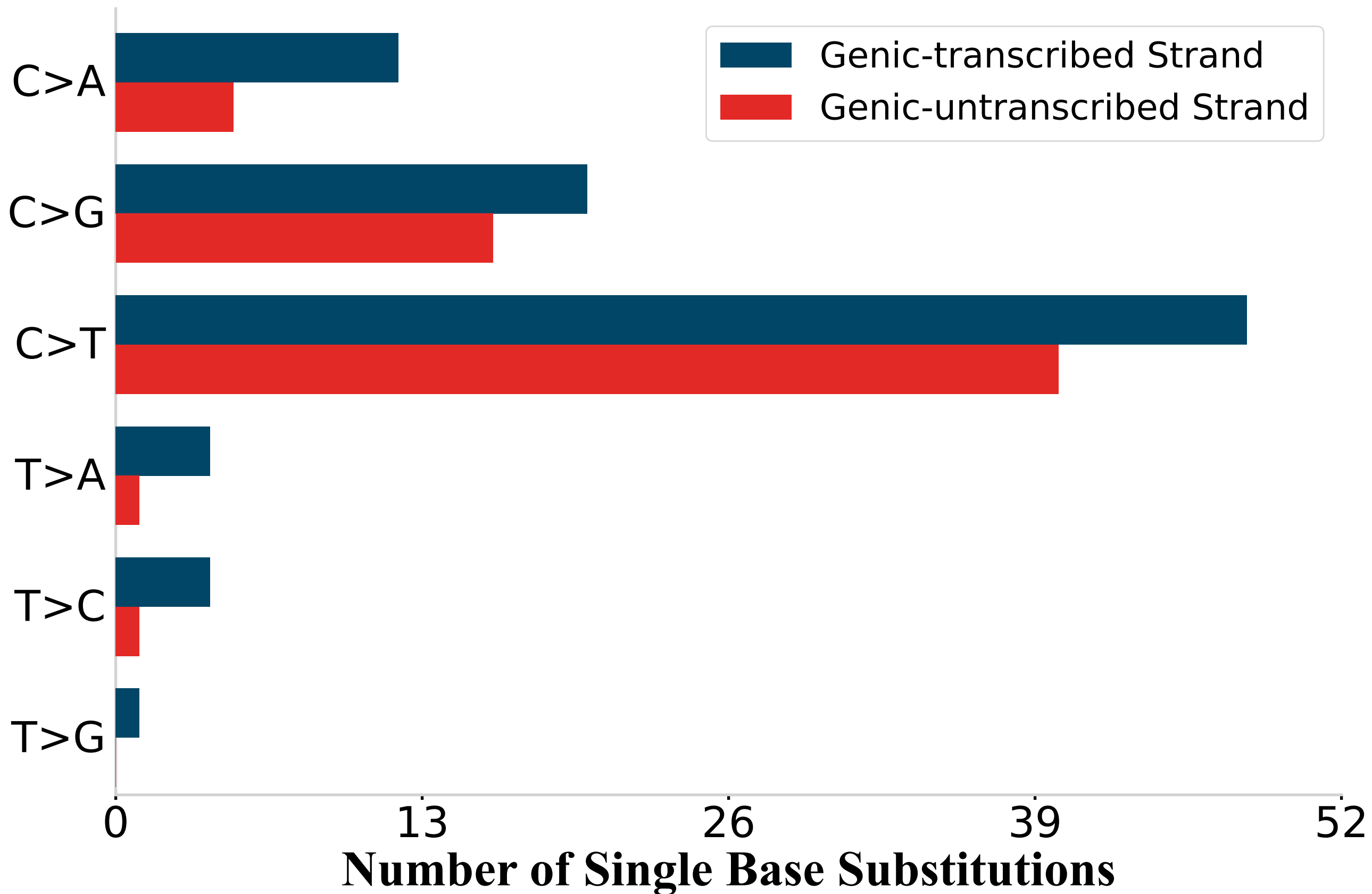
TCGA-UY-A78K-01A-11D-A339-08: 962 transcribed



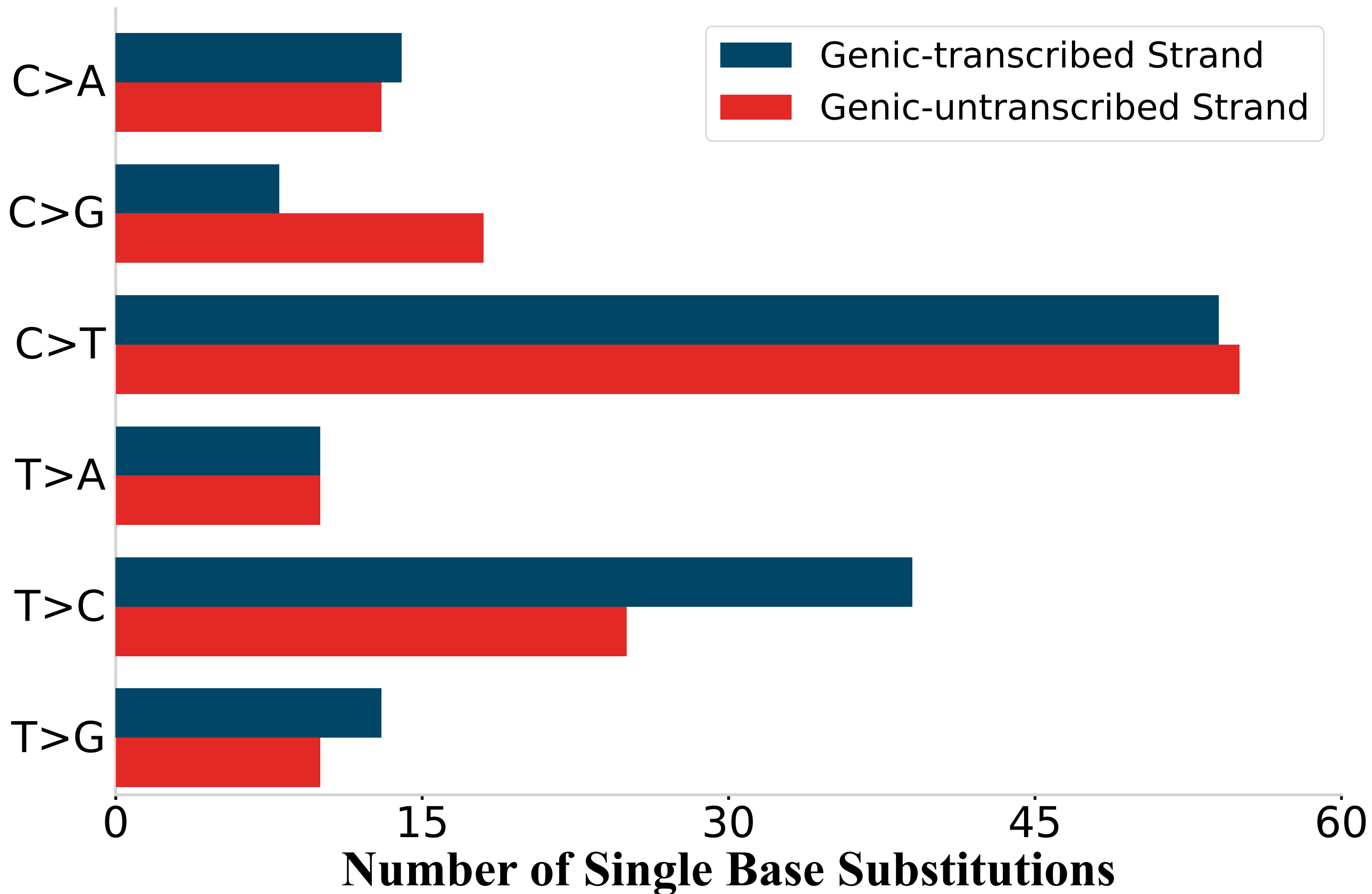
TCGA-UY-A78L-01A-12D-A339-08: 248 transcribed



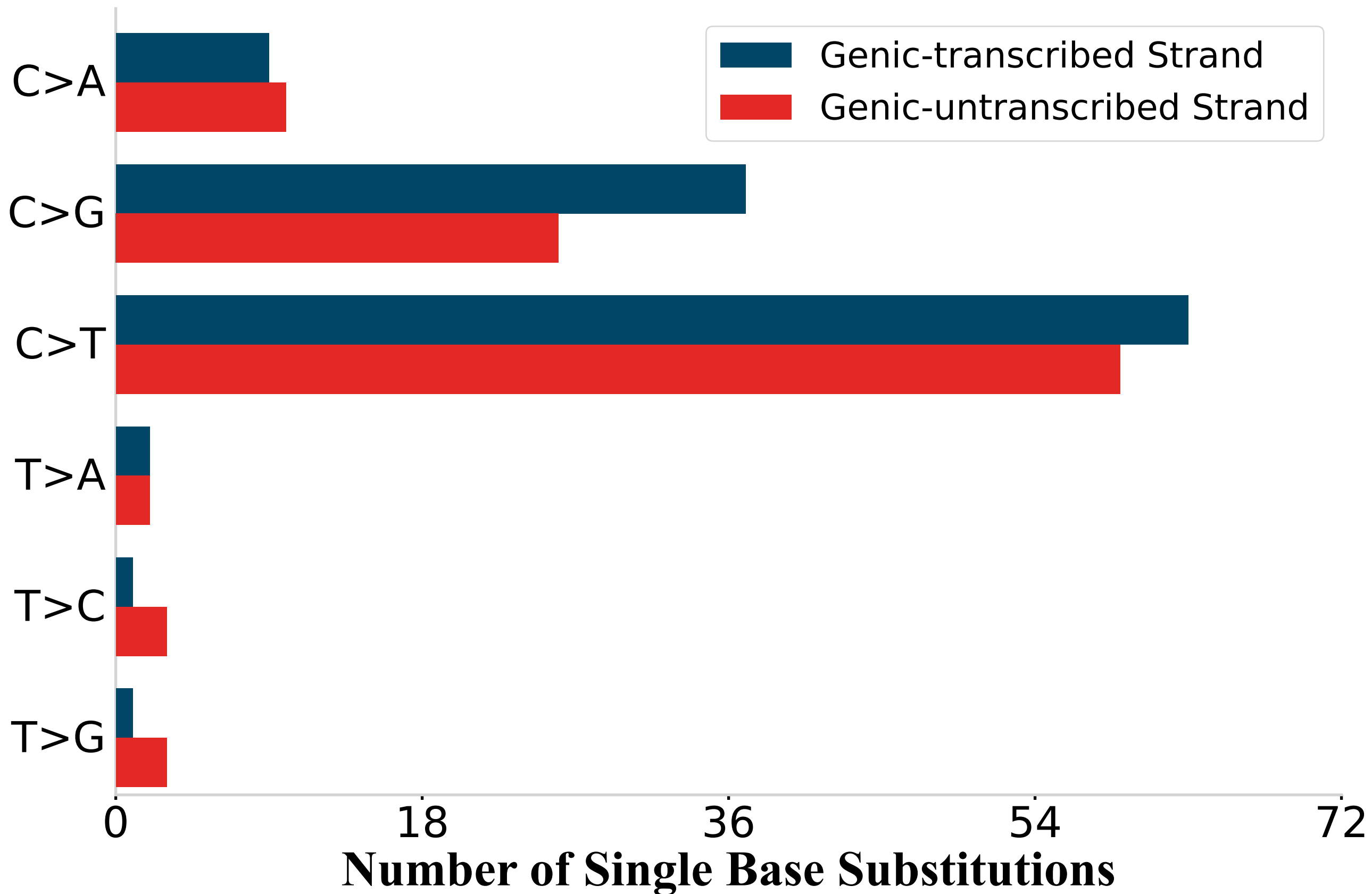
TCGA-UY-A78M-01A-21D-A34U-08: 152 transcribed



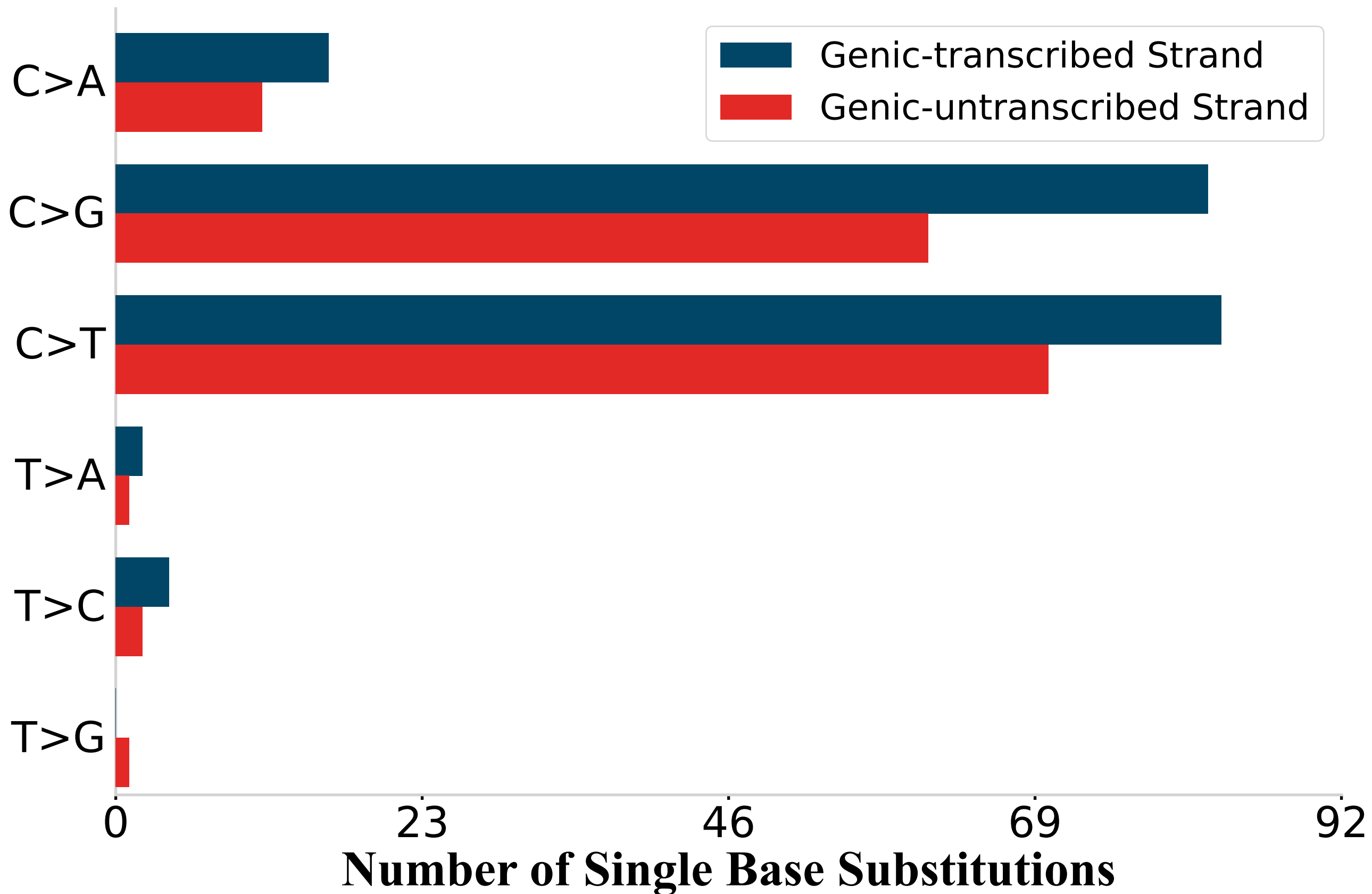
TCGA-UY-A78N-01A-12D-A339-08: 269 transcribed



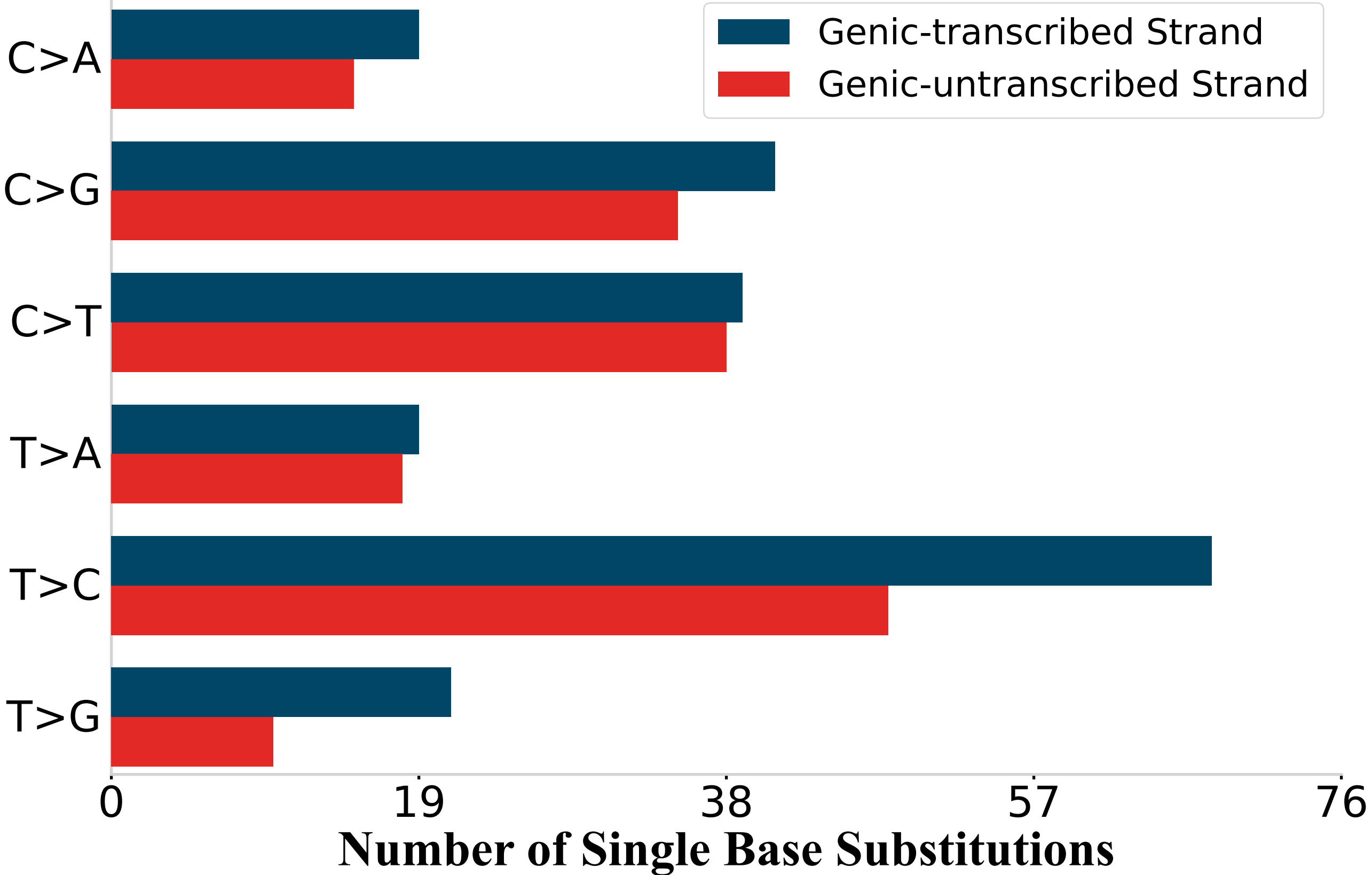
TCGA-UY-A78O-01A-12D-A339-08: 216 transcribed



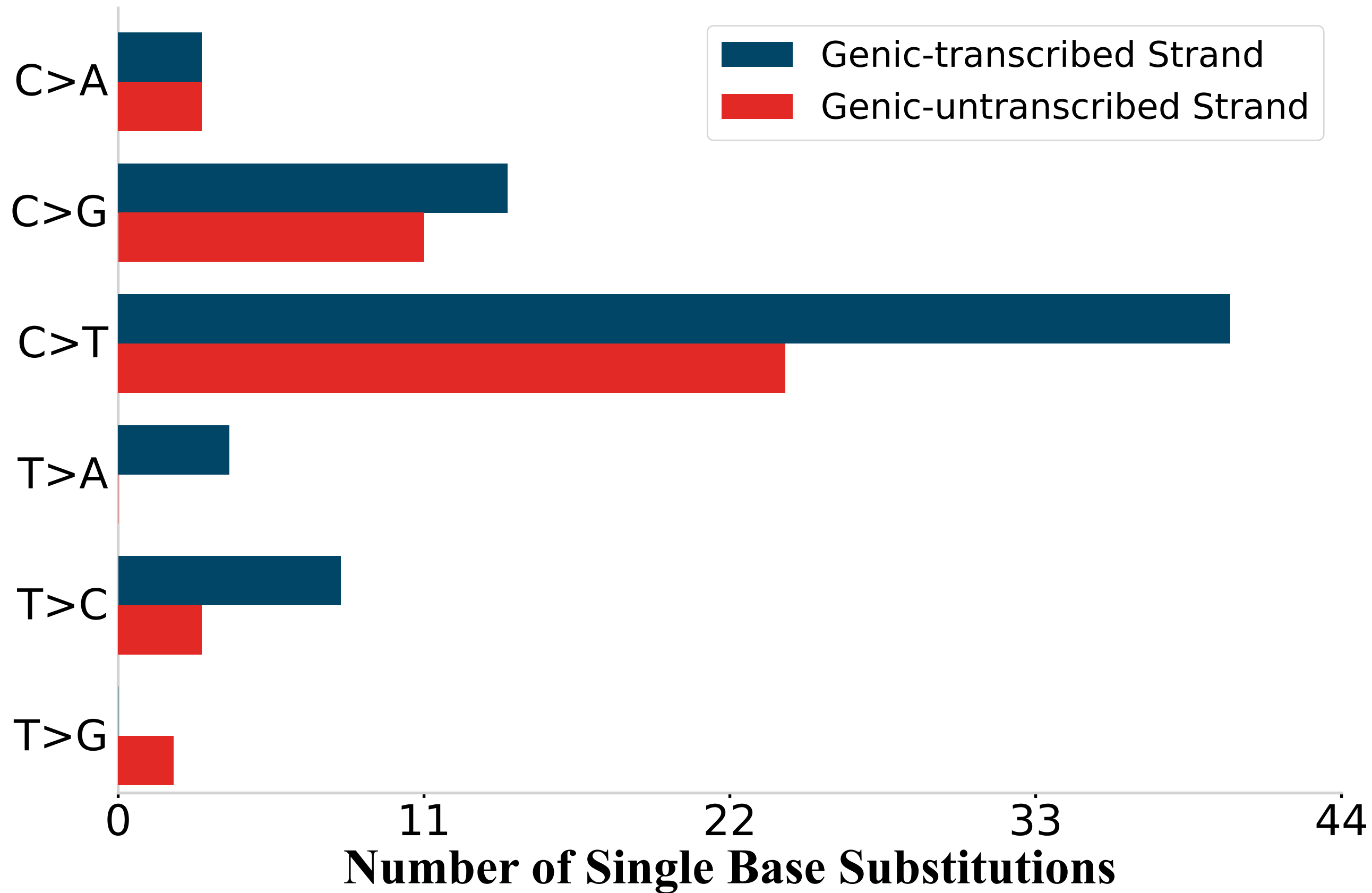
TCGA-UY-A78P-01A-12D-A364-08: 333 transcribed



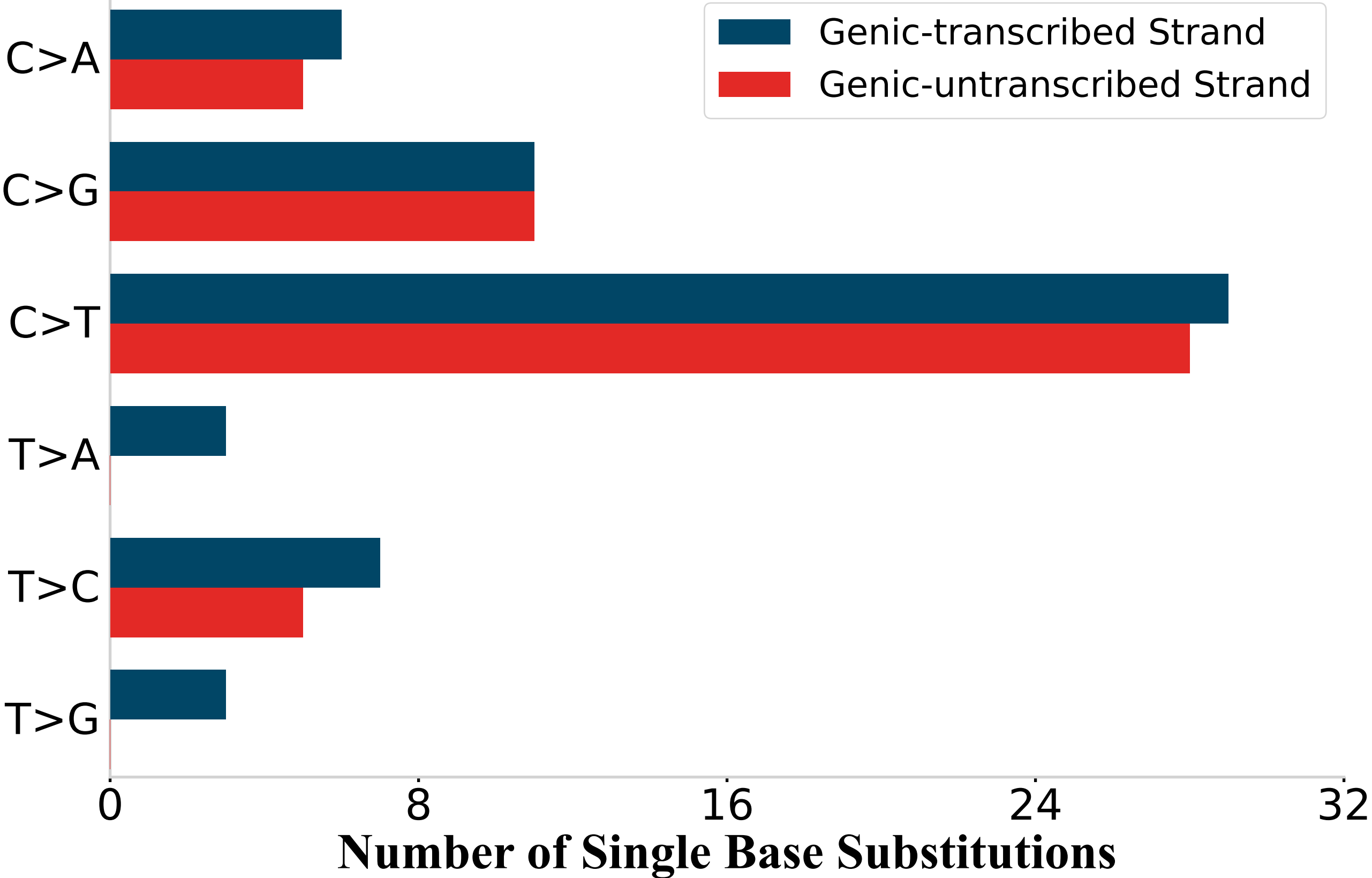
TCGA-UY-A8OB-01A-12D-A42E-08: 371 transcribe



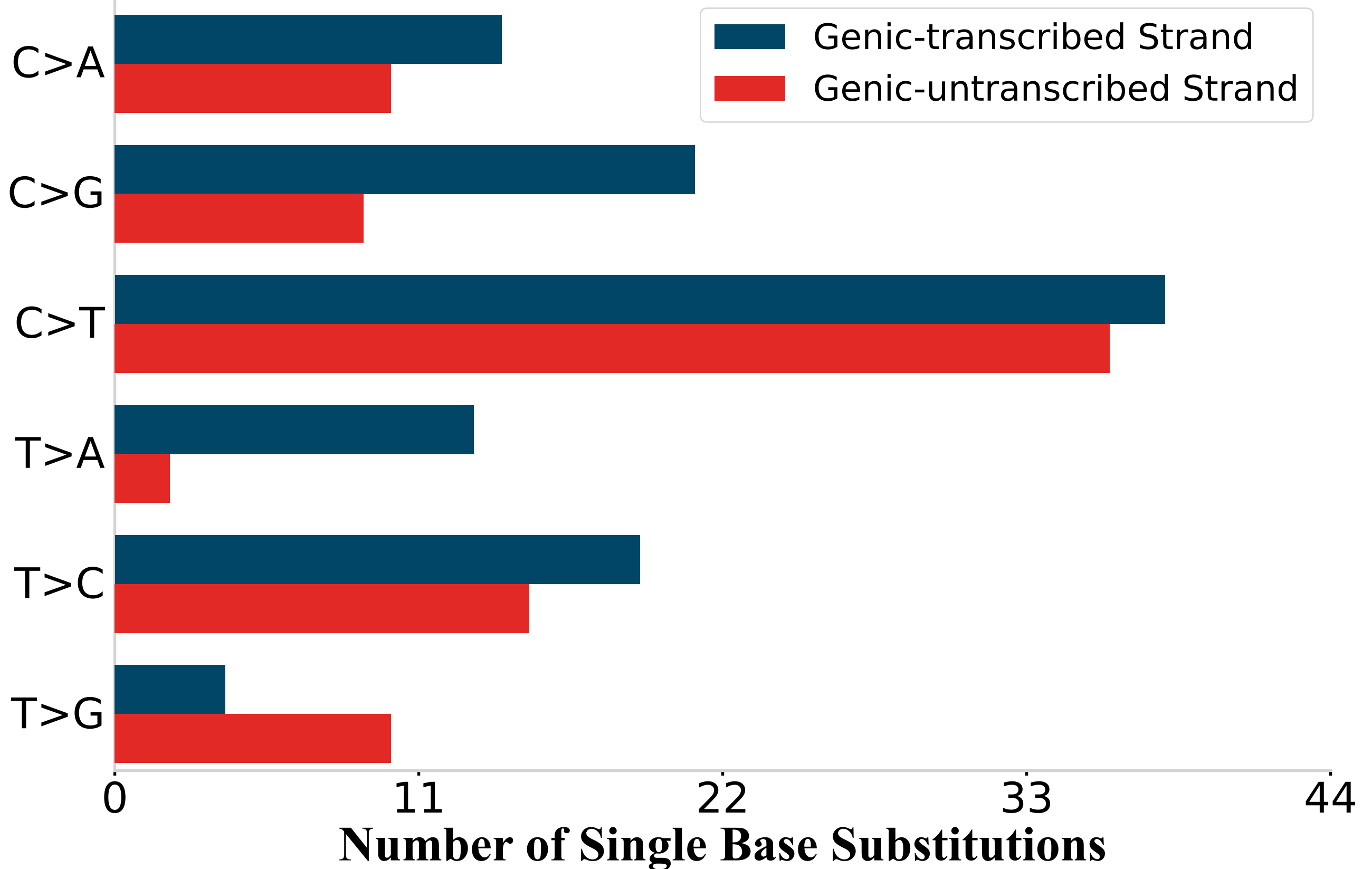
TCGA-UY-A8OC-01A-11D-A364-08: 112 transcribed



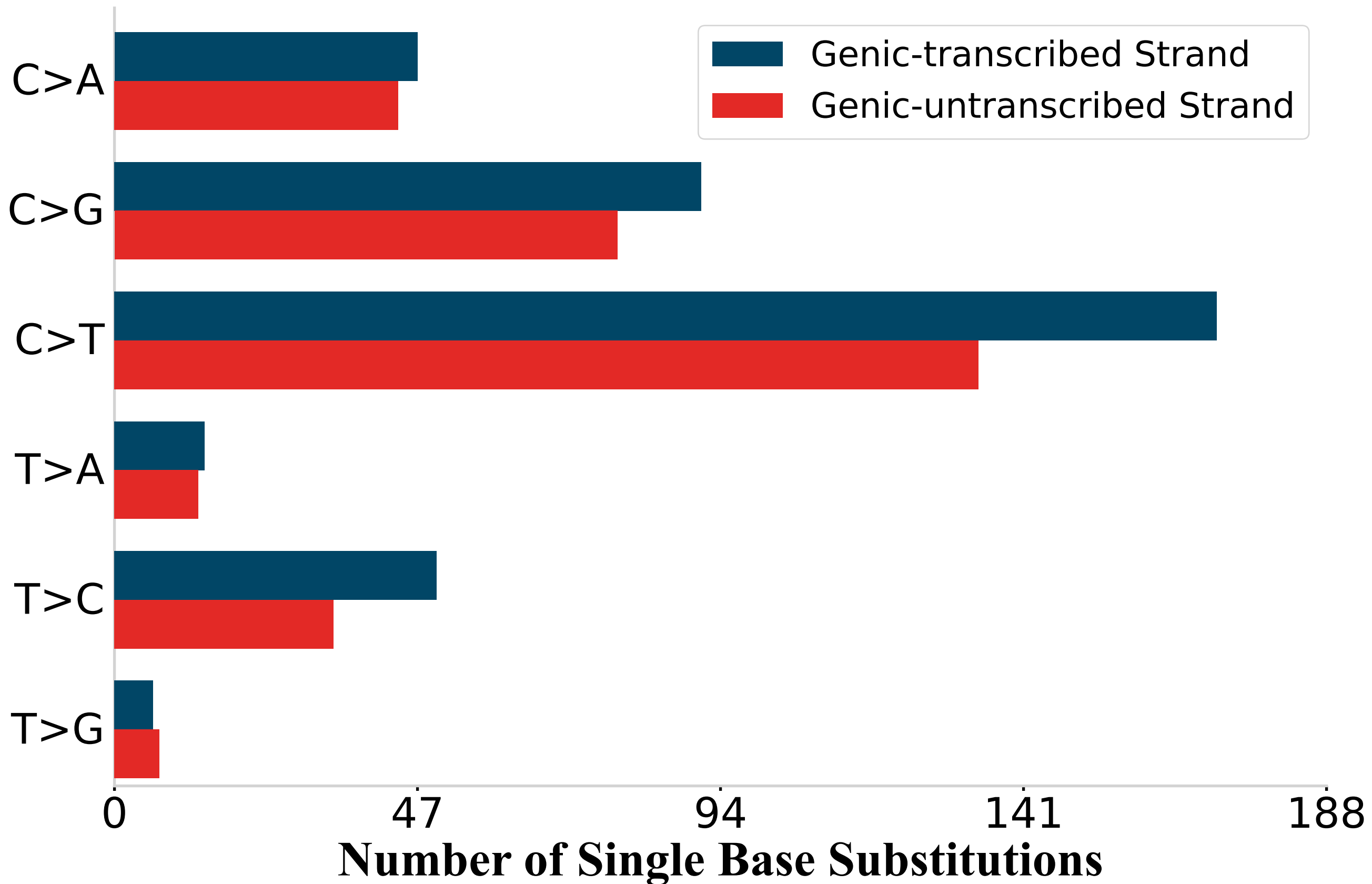
TCGA-UY-A8OD-01A-11D-A364-08: 108 transcribed



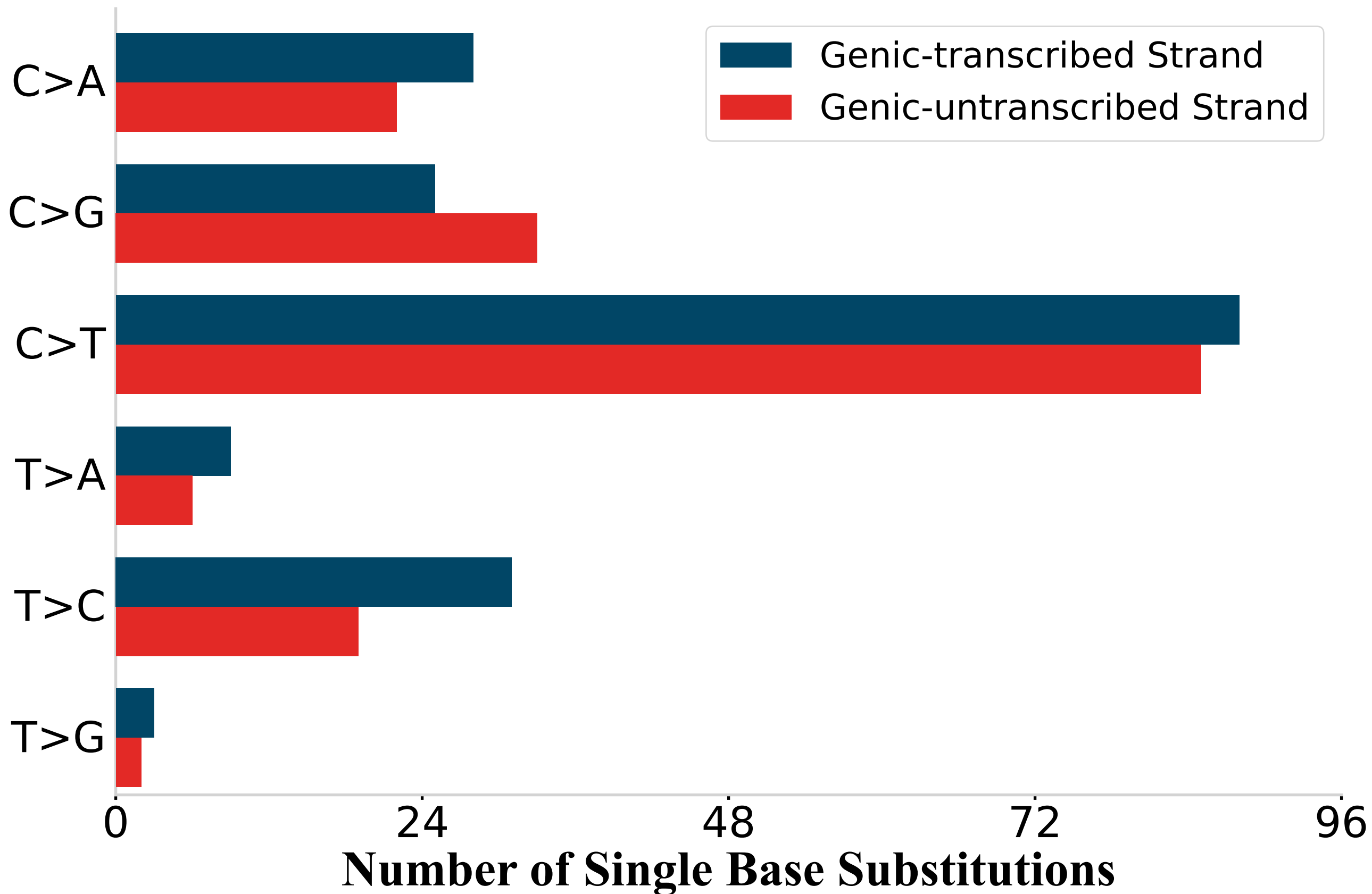
TCGA-UY-A9PA-01A-11D-A38G-08: 191 transcribed



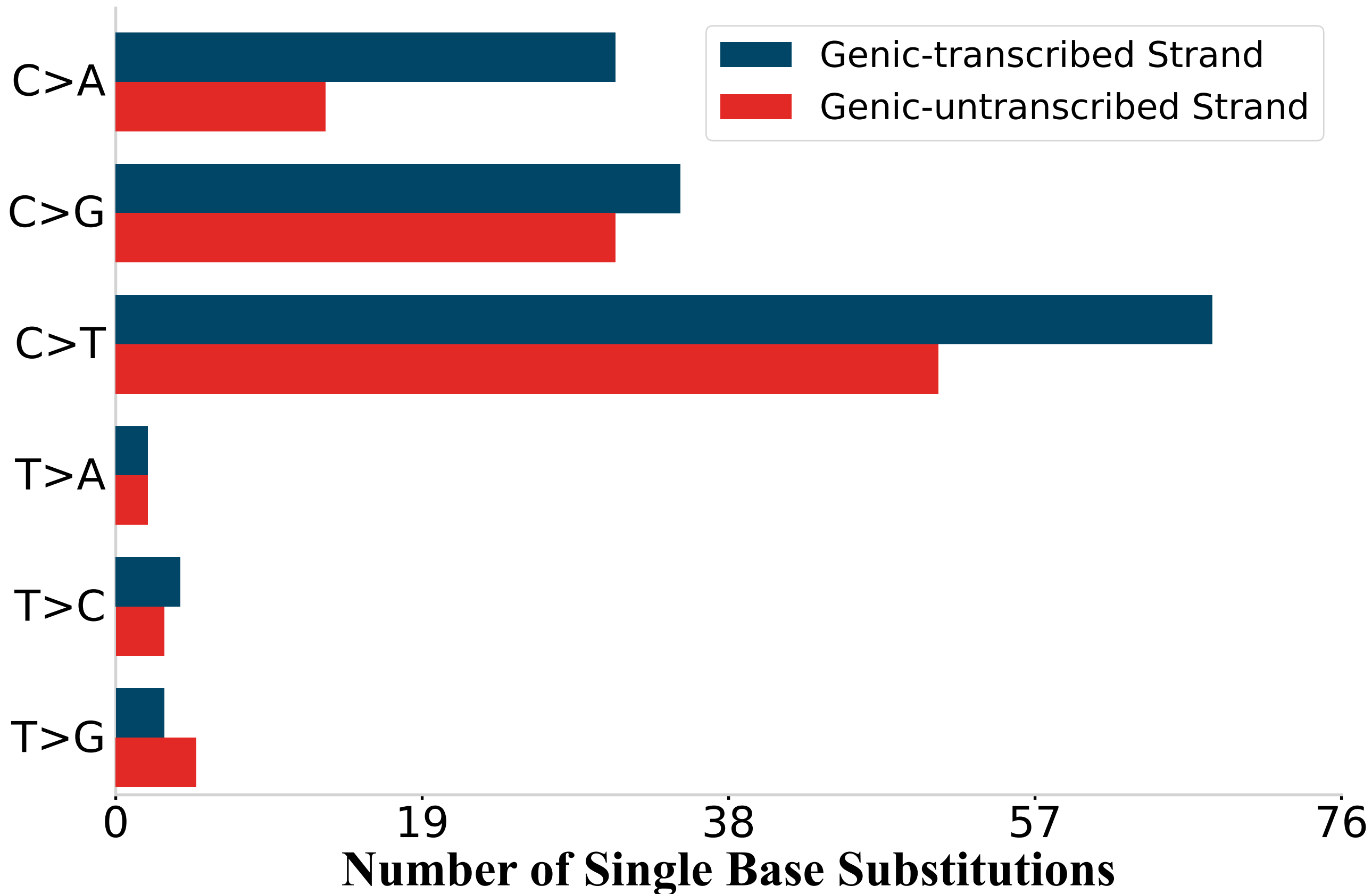
TCGA-UY-A9PB-01A-11D-A38G-08: 689 transcribed



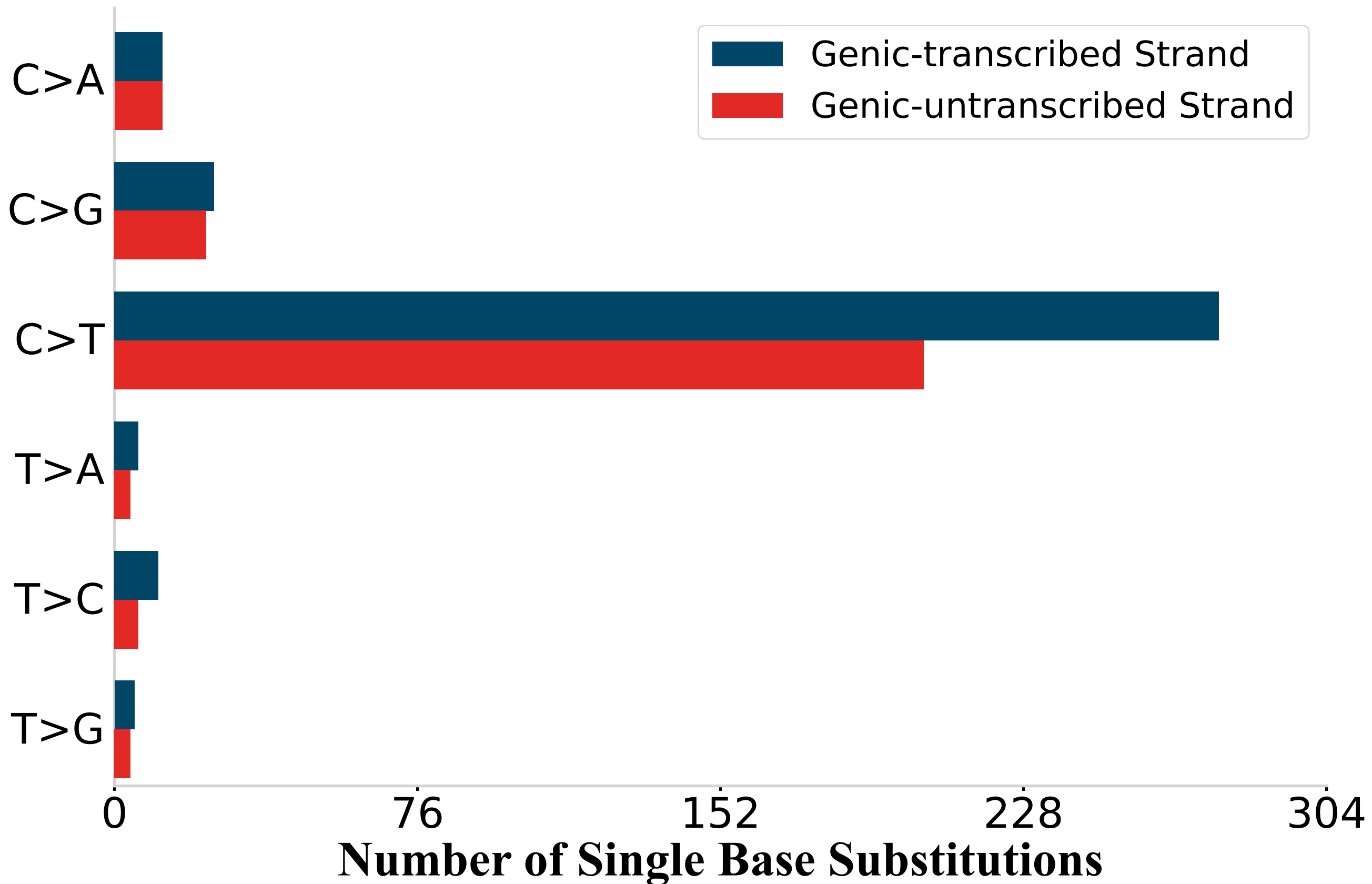
TCGA-UY-A9PD-01A-11D-A38G-08: 351 transcribe



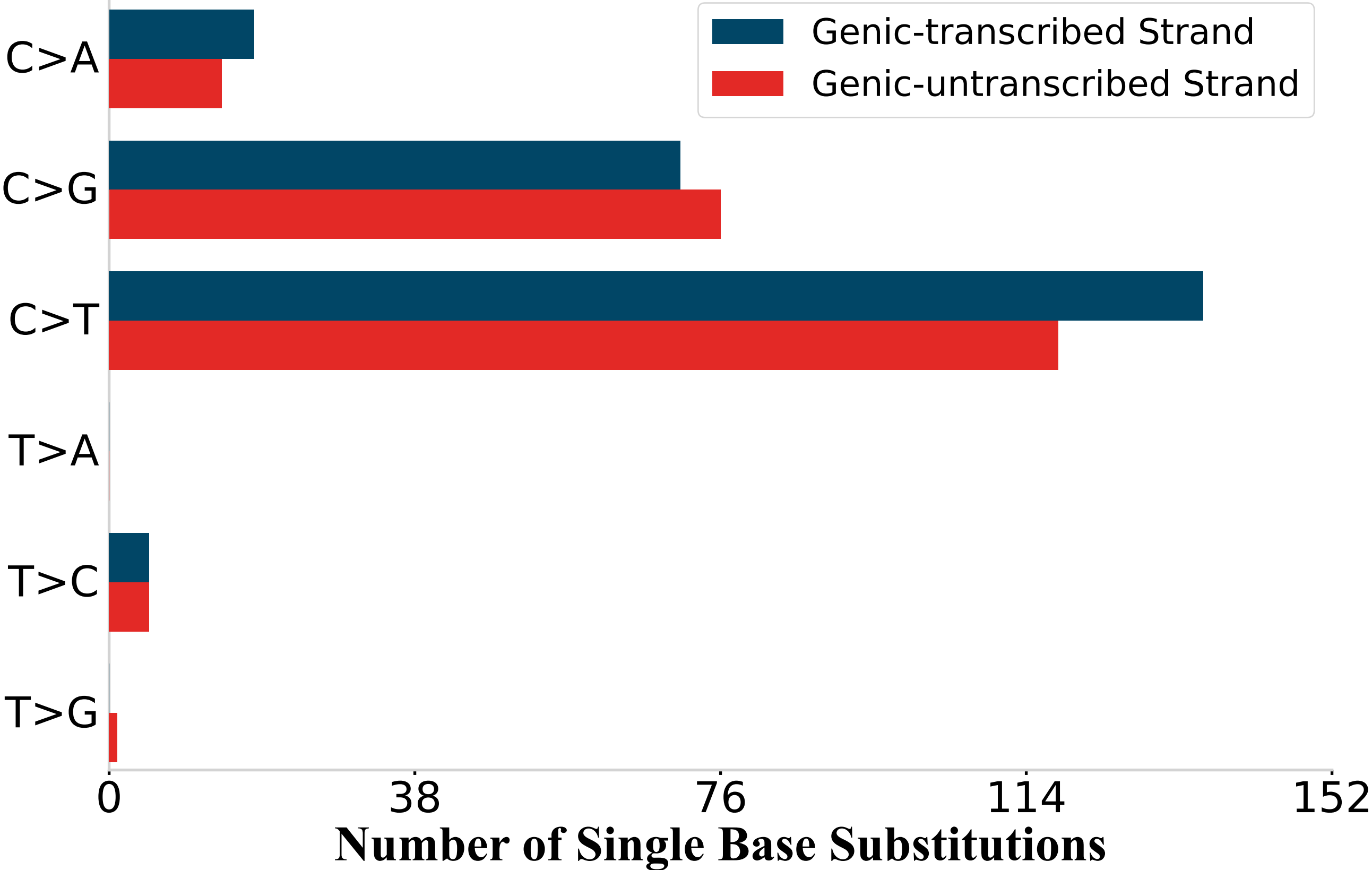
TCGA-UY-A9PE-01A-11D-A38G-08: 248 transcribed



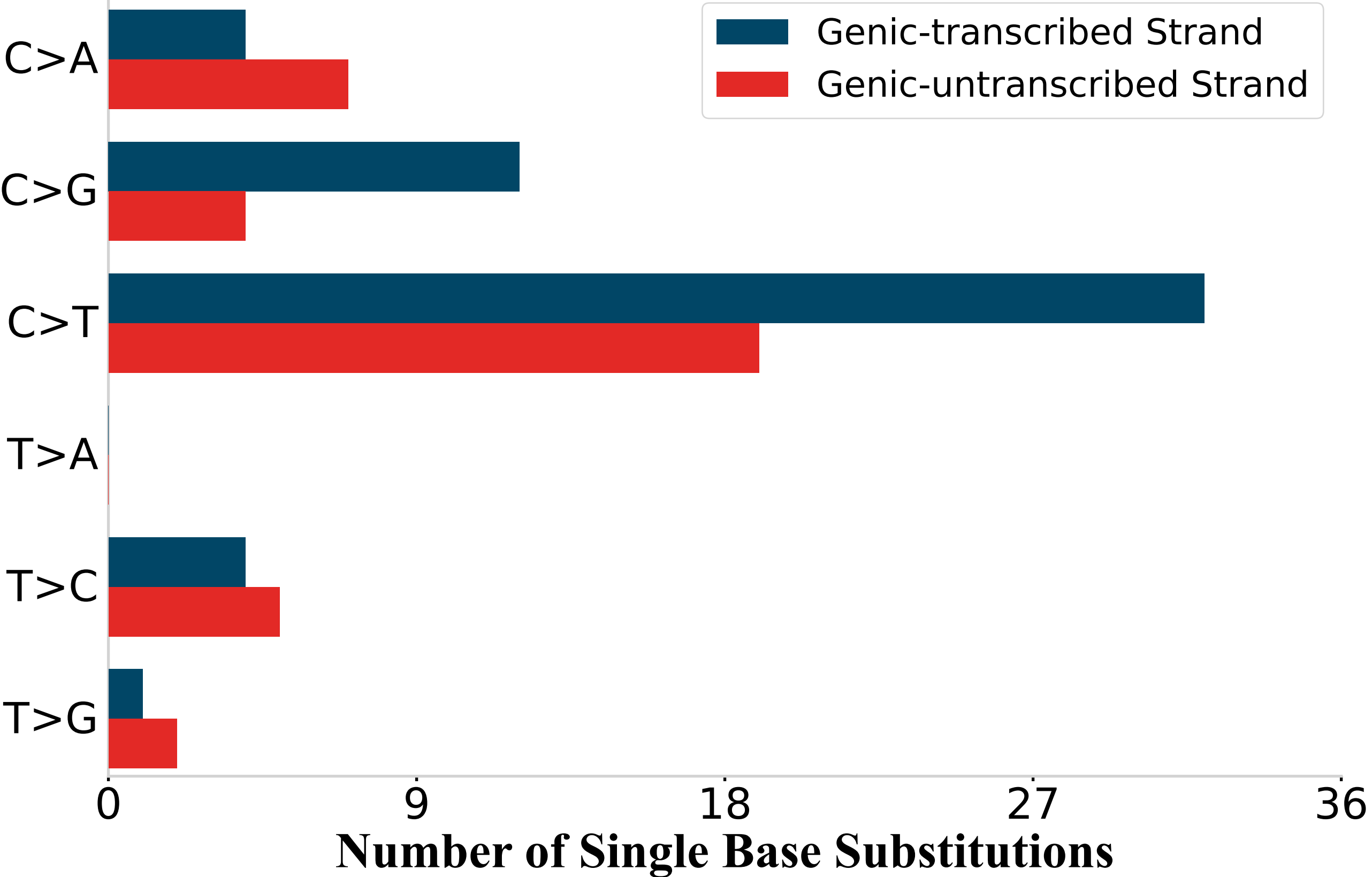
TCGA-UY-A9PF-01A-11D-A38G-08: 588 transcribed



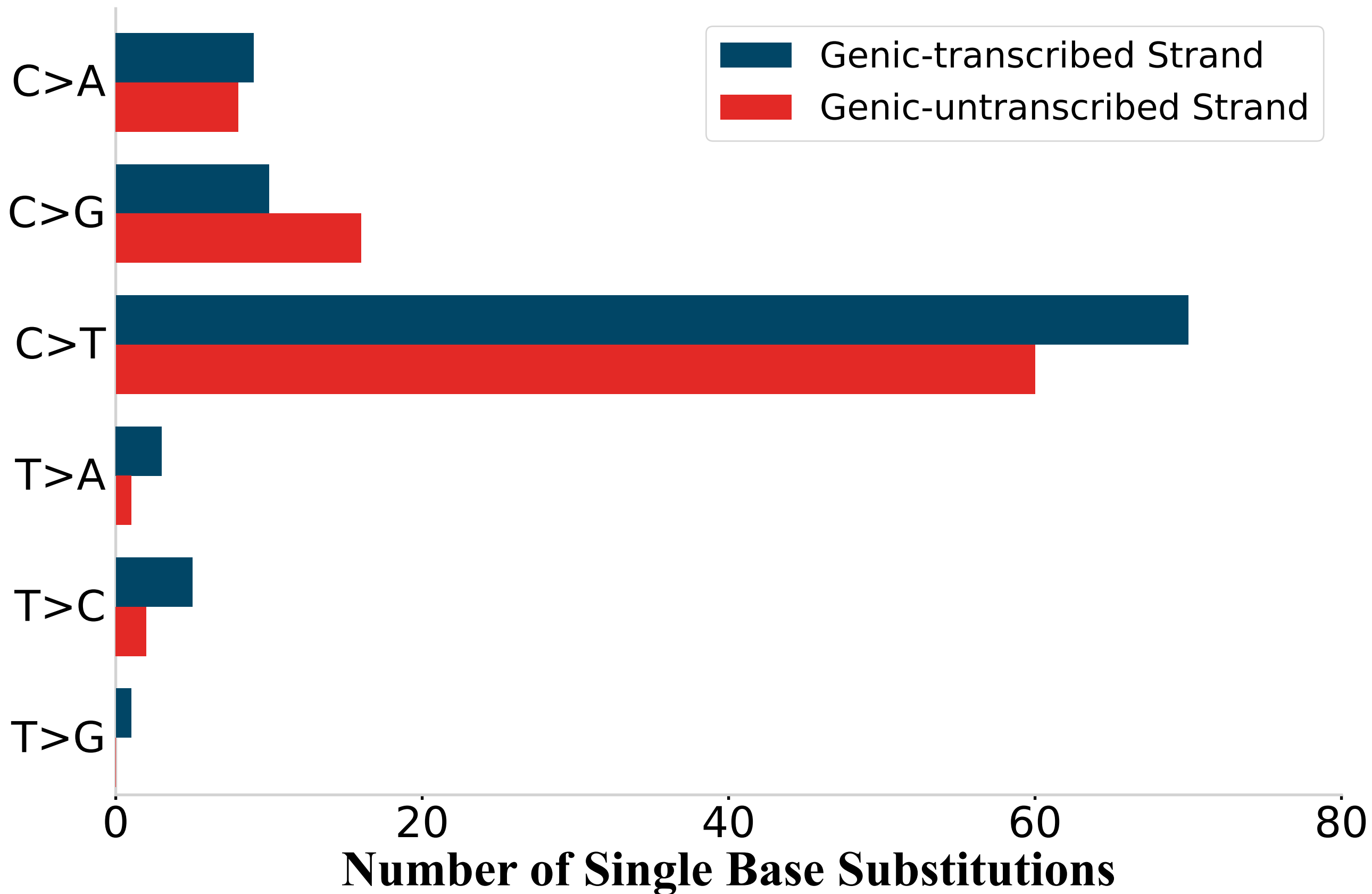
TCGA-UY-A9PH-01A-11D-A38G-08: 444 transcribed



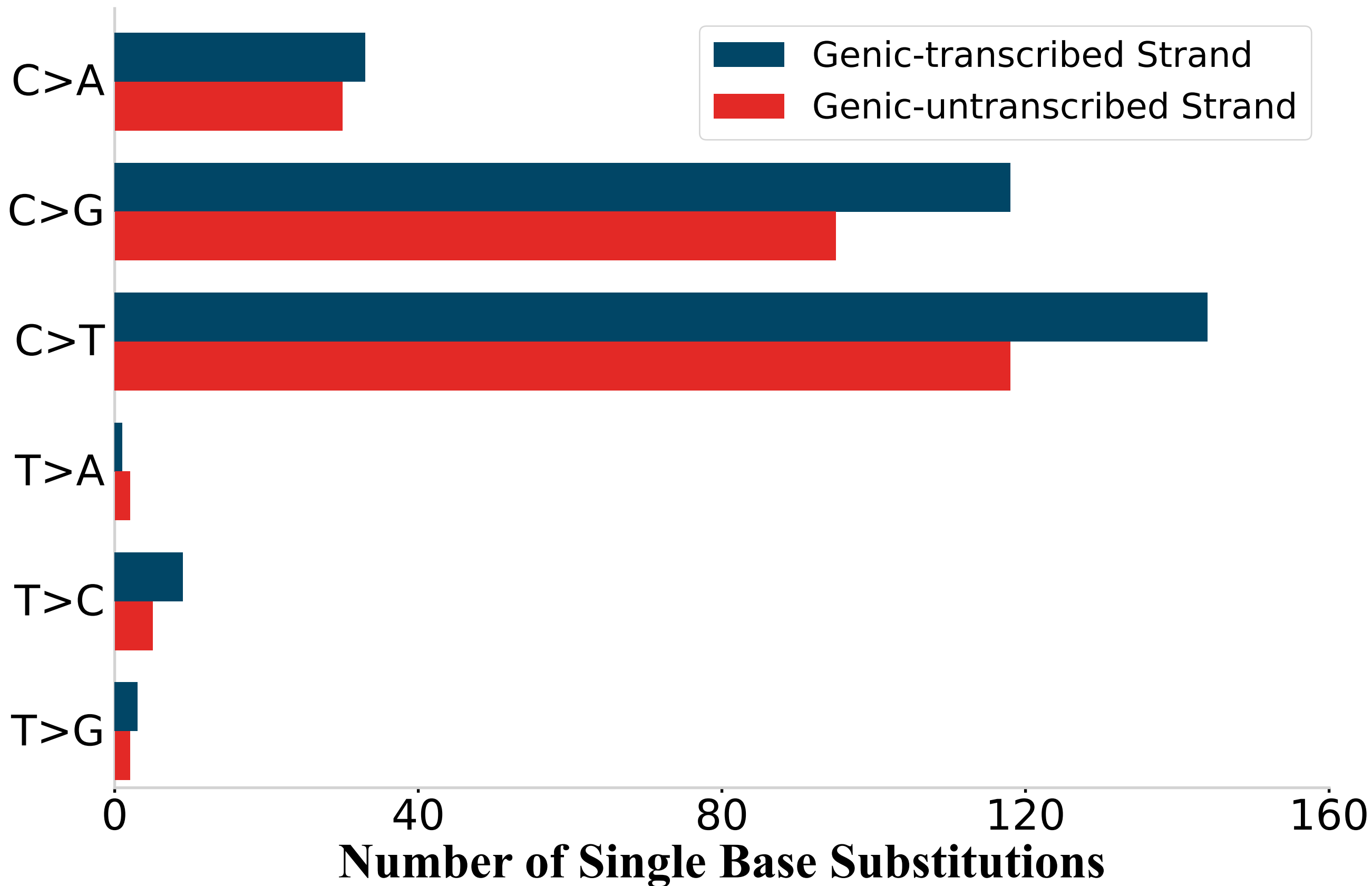
TCGA-XF-A8HB-01A-11D-A364-08: 90 transcribed



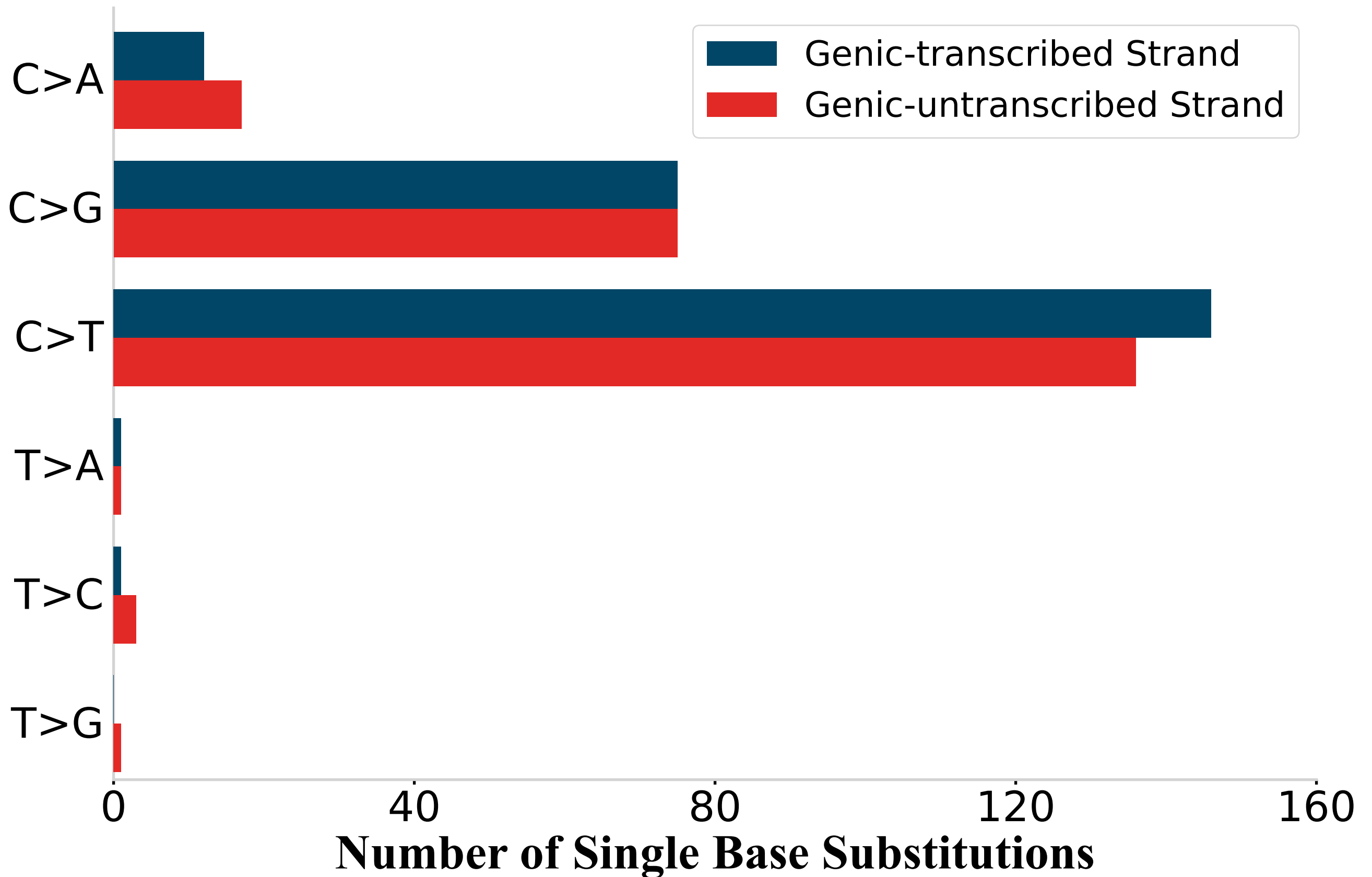
TCGA-XF-A8HC-01A-11D-A364-08: 185 transcribed



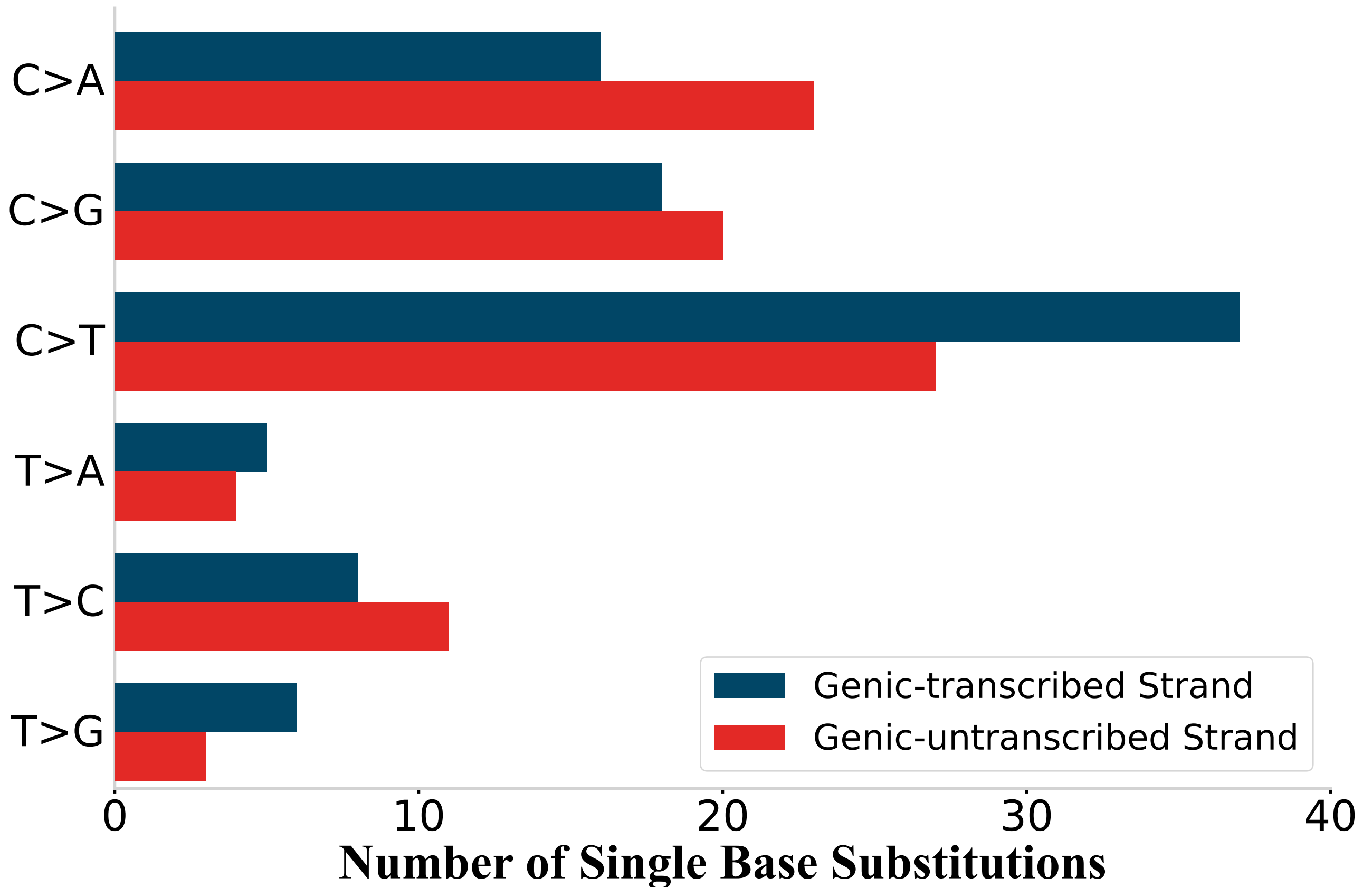
TCGA-XF-A8HD-01A-11D-A364-08: 560 transcribed



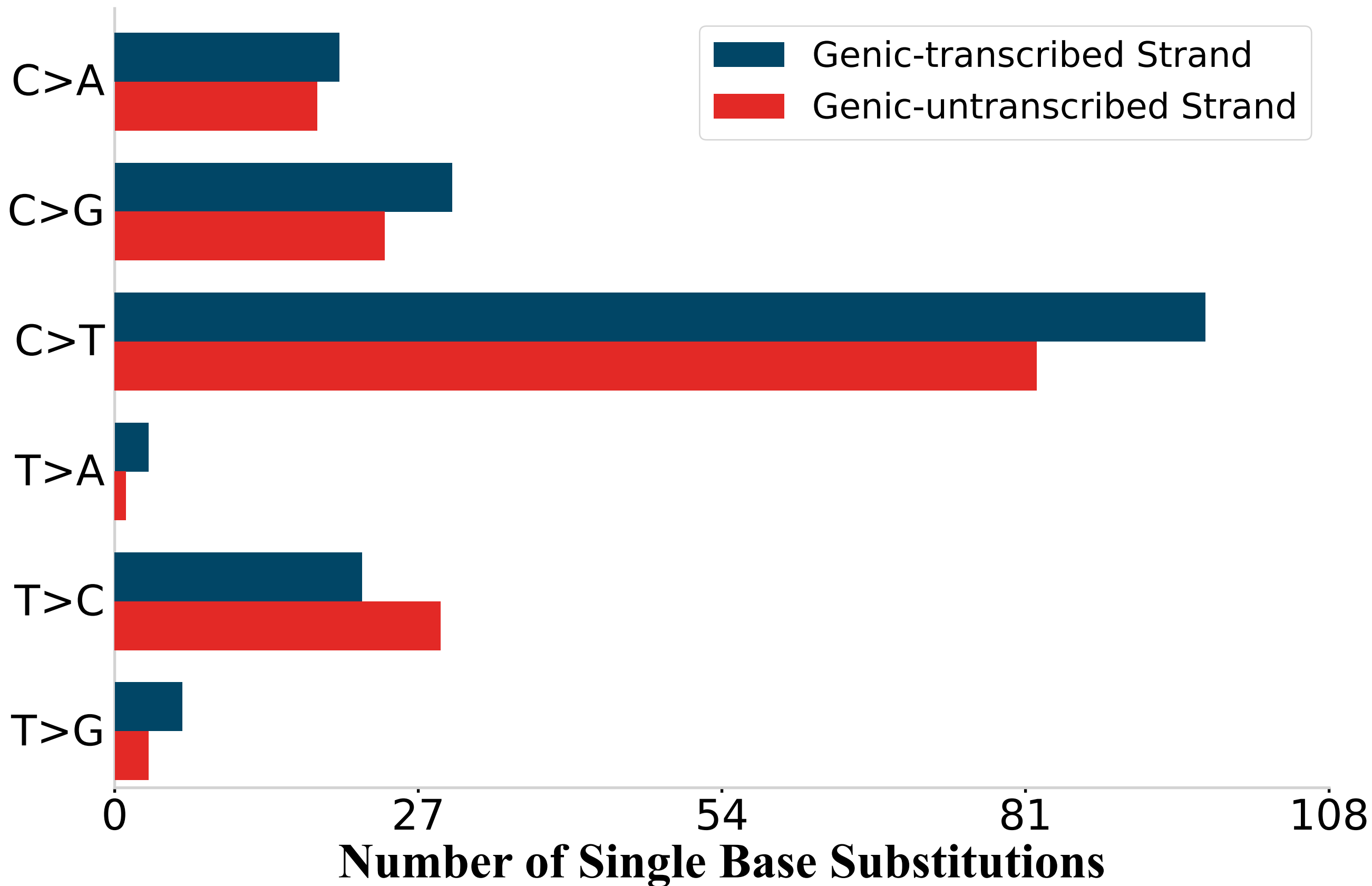
TCGA-XF-A8HE-01A-11D-A364-08: 468 transcribed



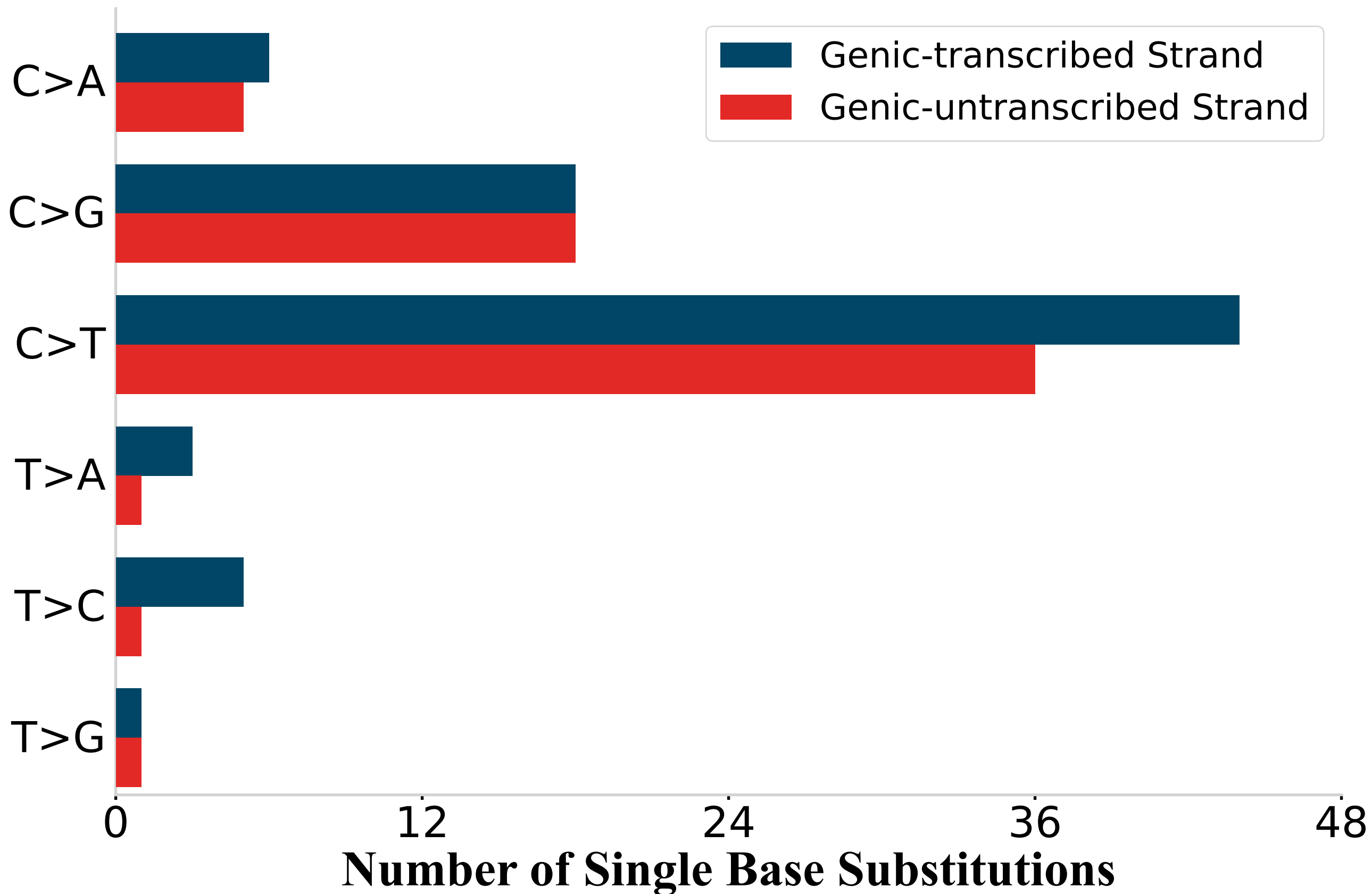
TCGA-XF-A8HF-01A-11D-A364-08: 178 transcribed



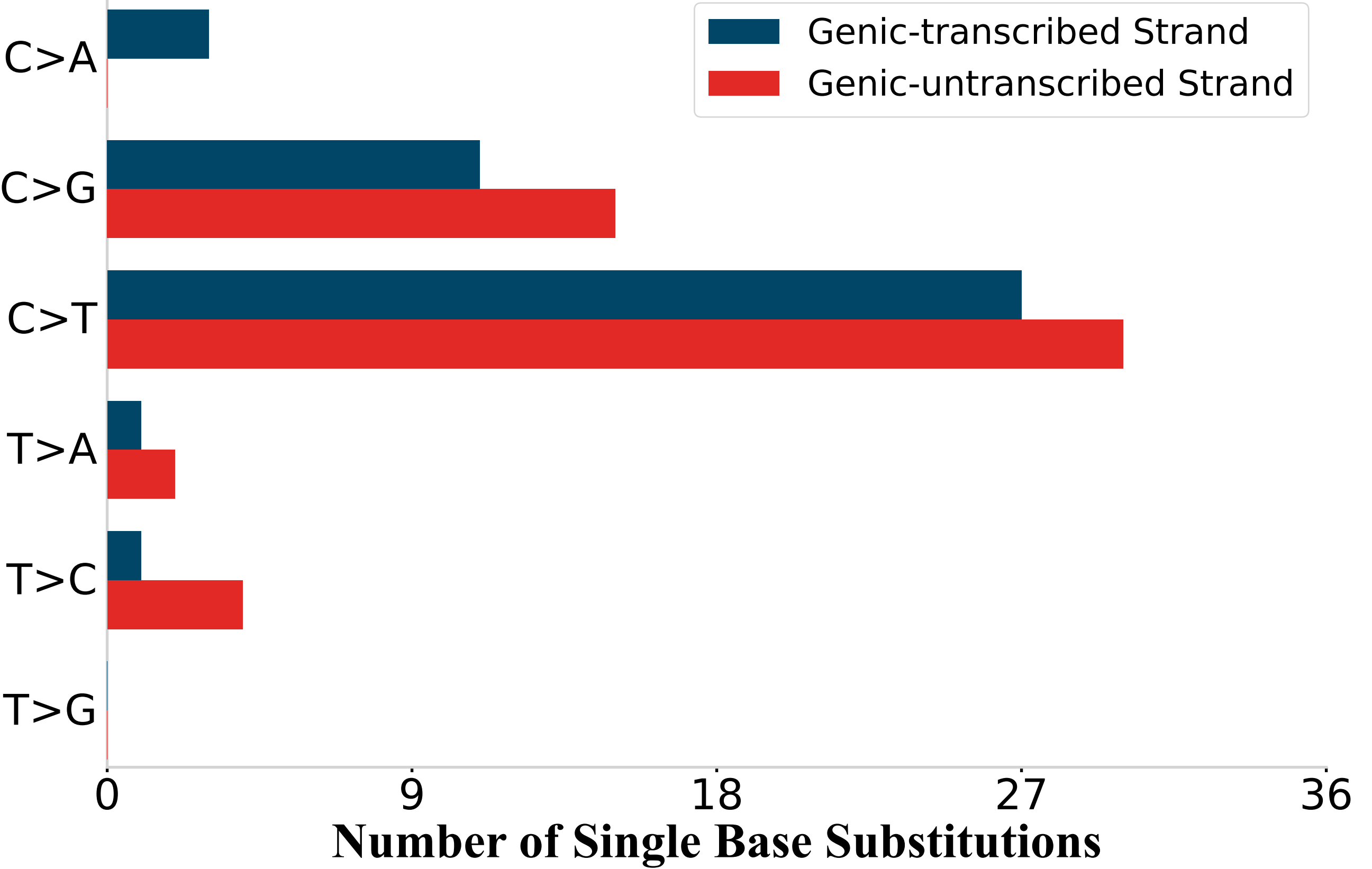
TCGA-XF-A8HG-01A-11D-A364-08: 335 transcribed



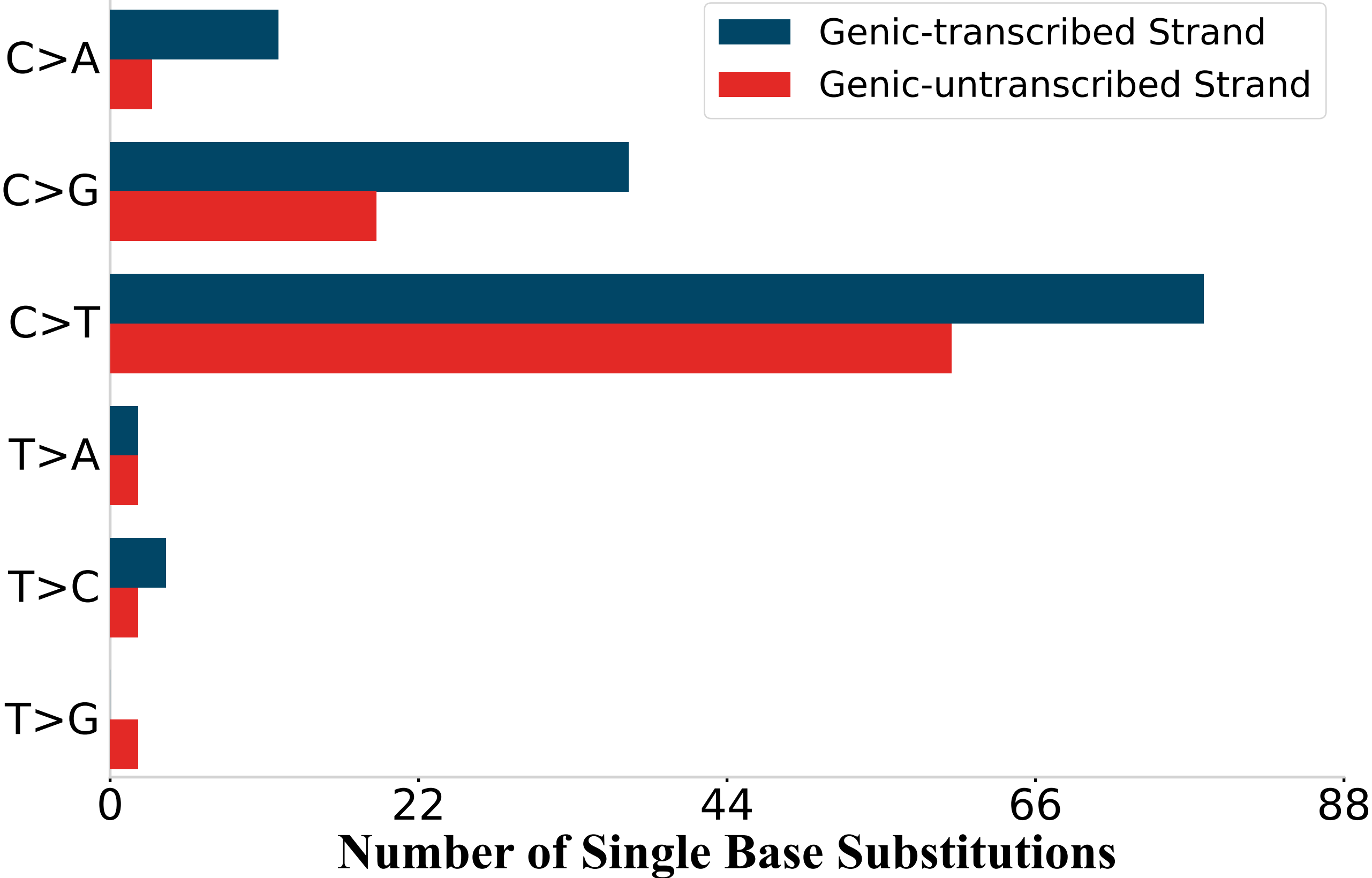
TCGA-XF-A8HH-01A-11D-A38G-08: 139 transcribed



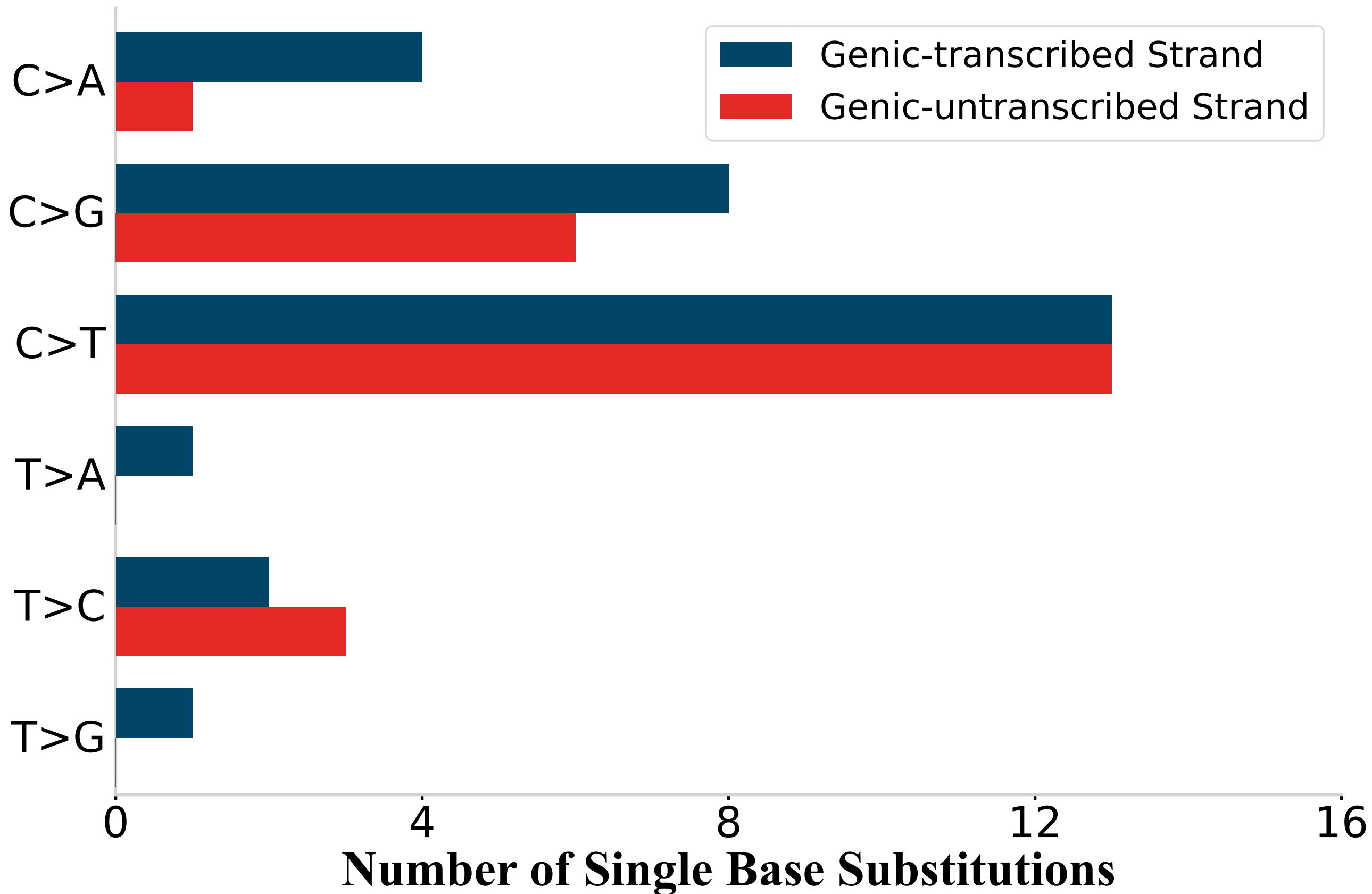
TCGA-XF-A8HI-01A-11D-A38G-08: 94 transcribed s



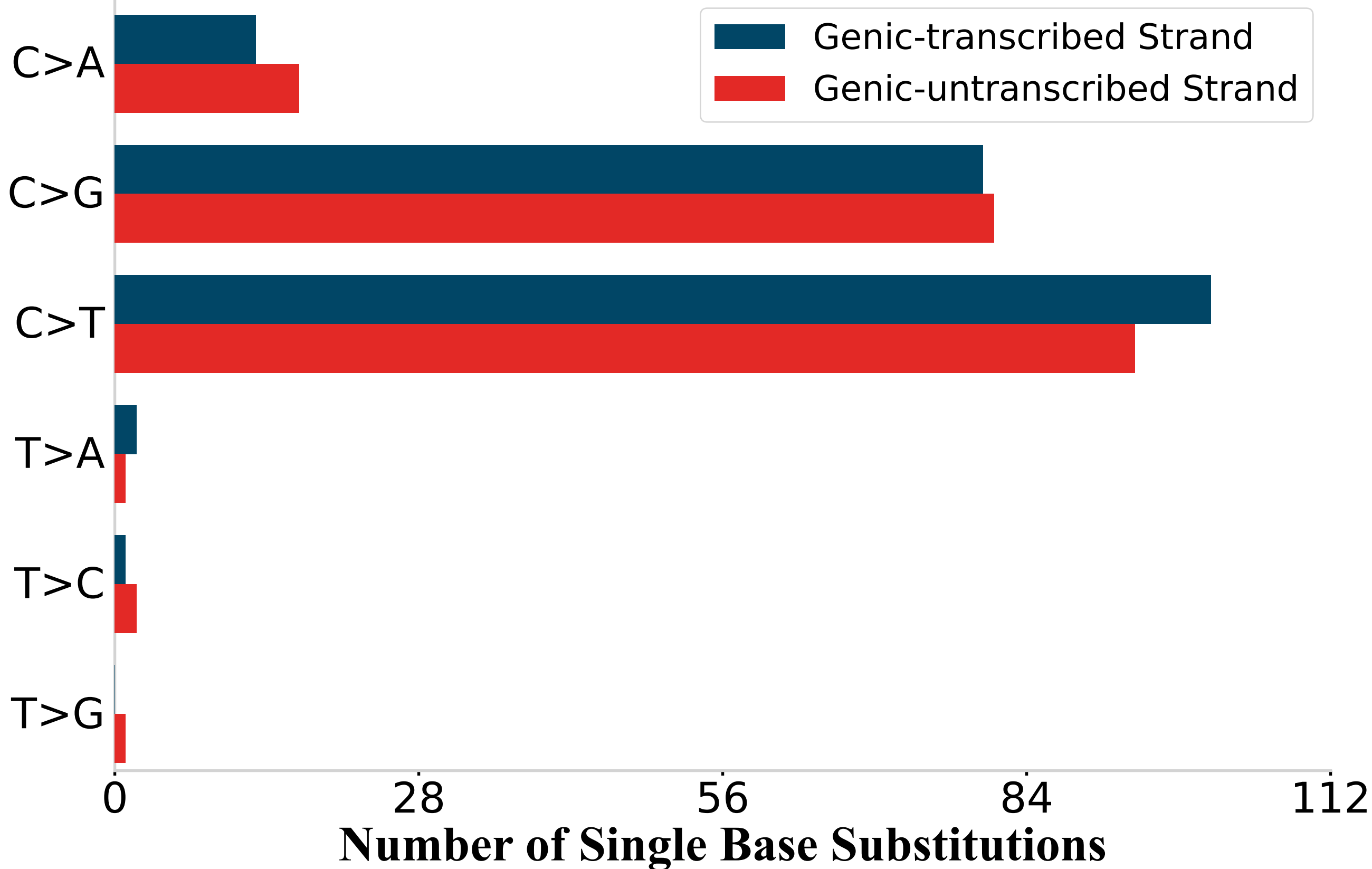
TCGA-XF-A9SG-01A-12D-A42E-08: 221 transcribed



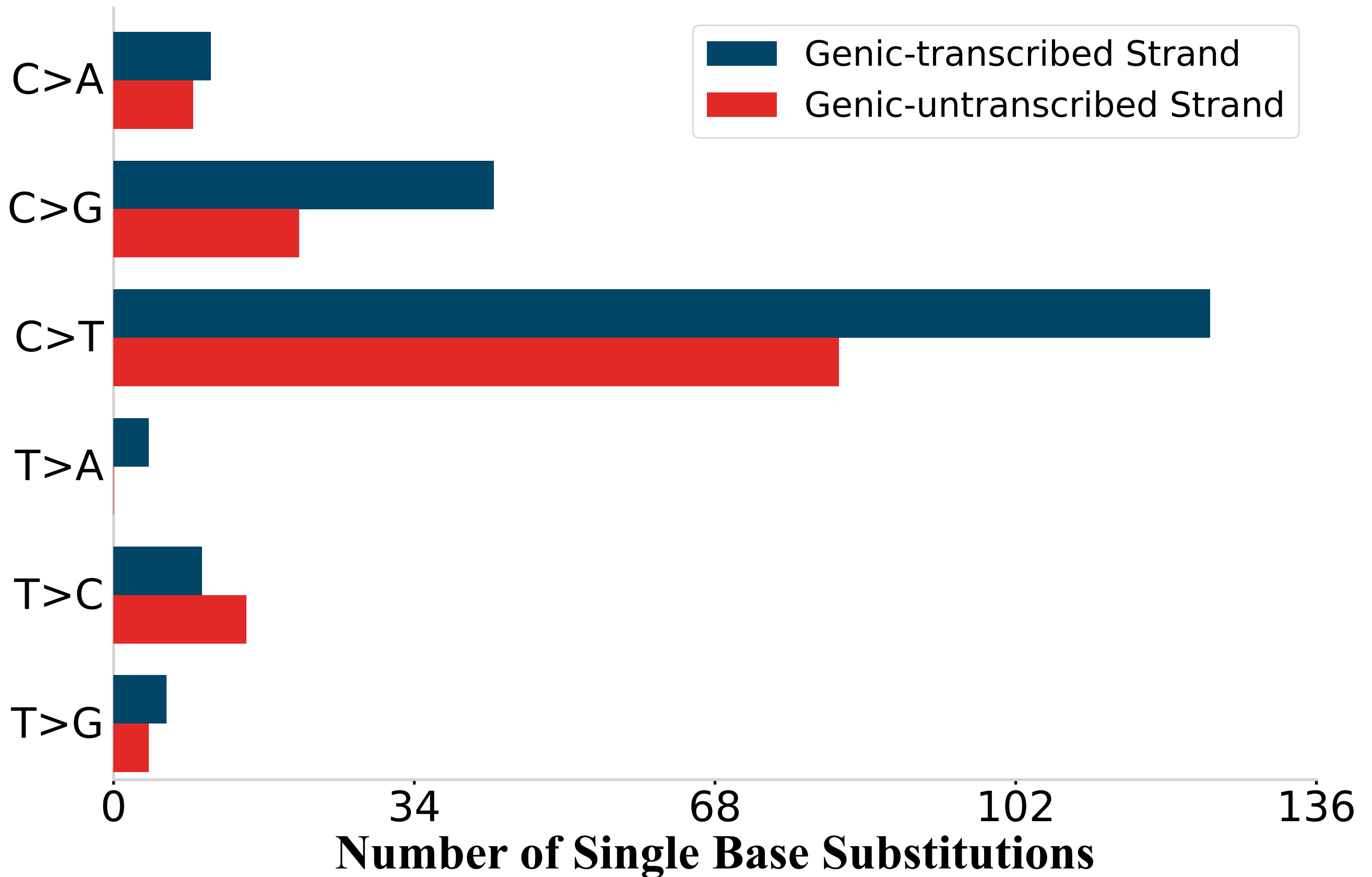
TCGA-XF-A9SH-01A-11D-A391-08: 52 transcribed



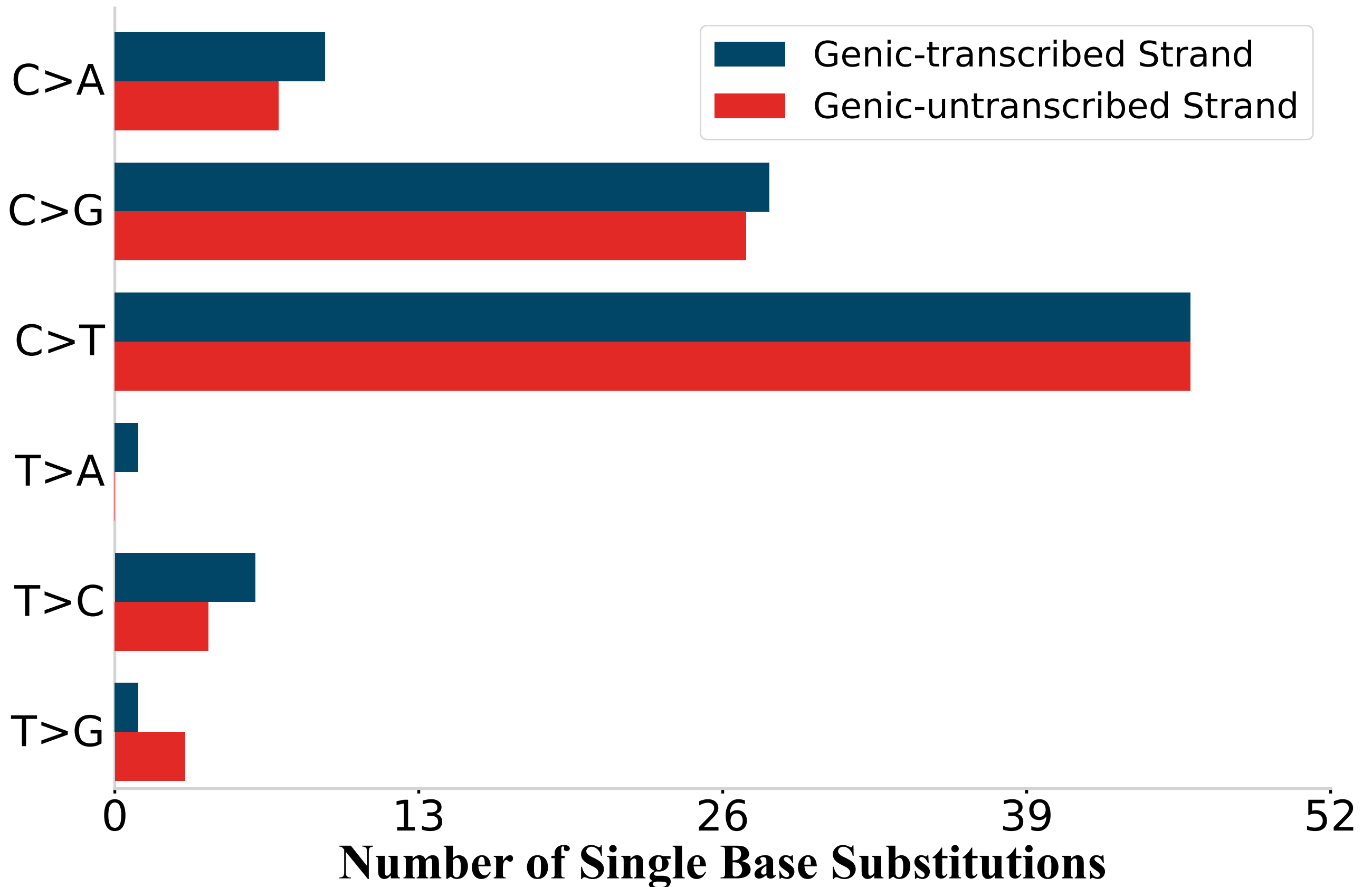
TCGA-XF-A9SI-01A-11D-A391-08: 393 transcribed



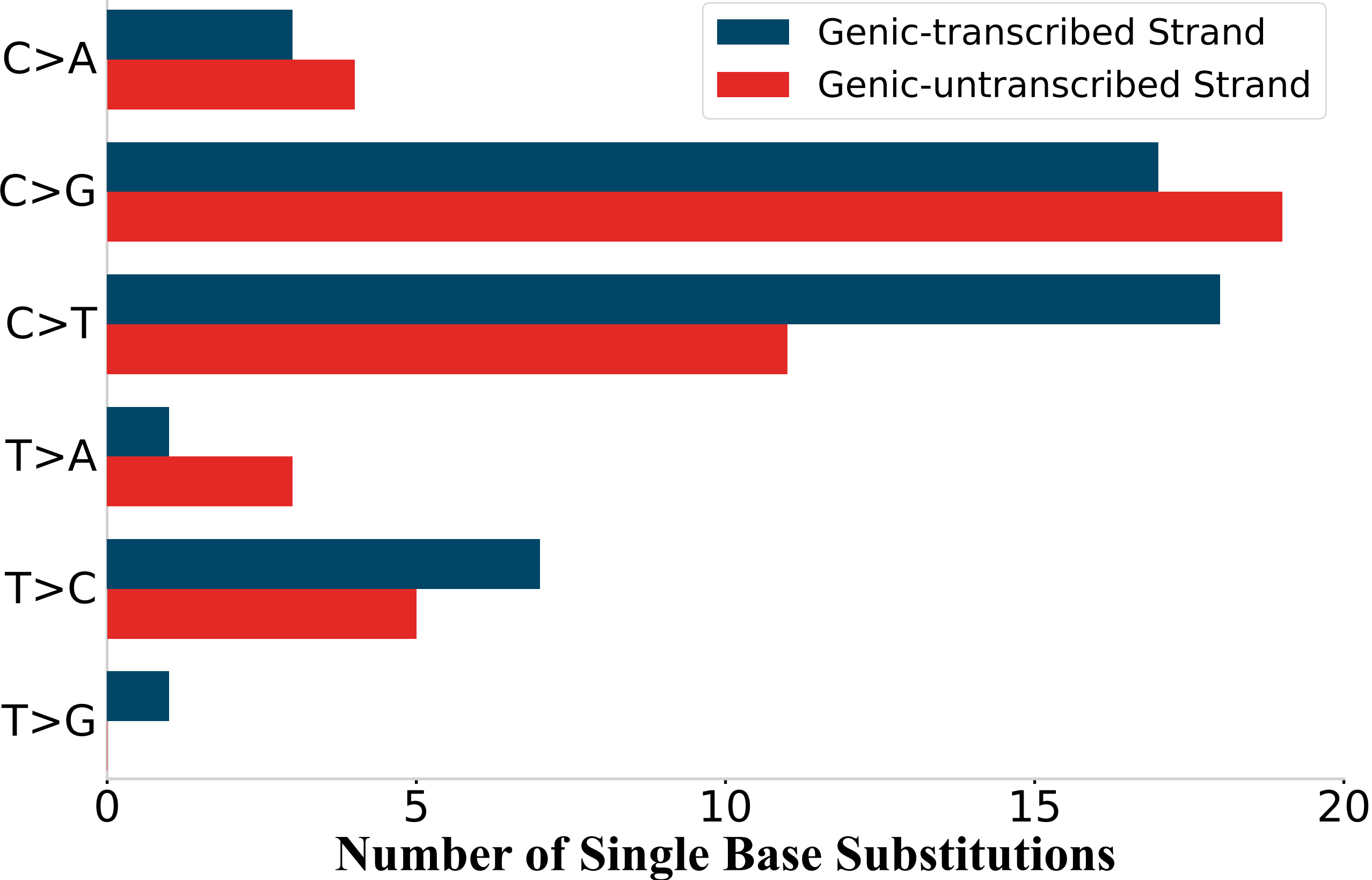
TCGA-XF-A9SJ-01A-11D-A391-08: 329 transcribed



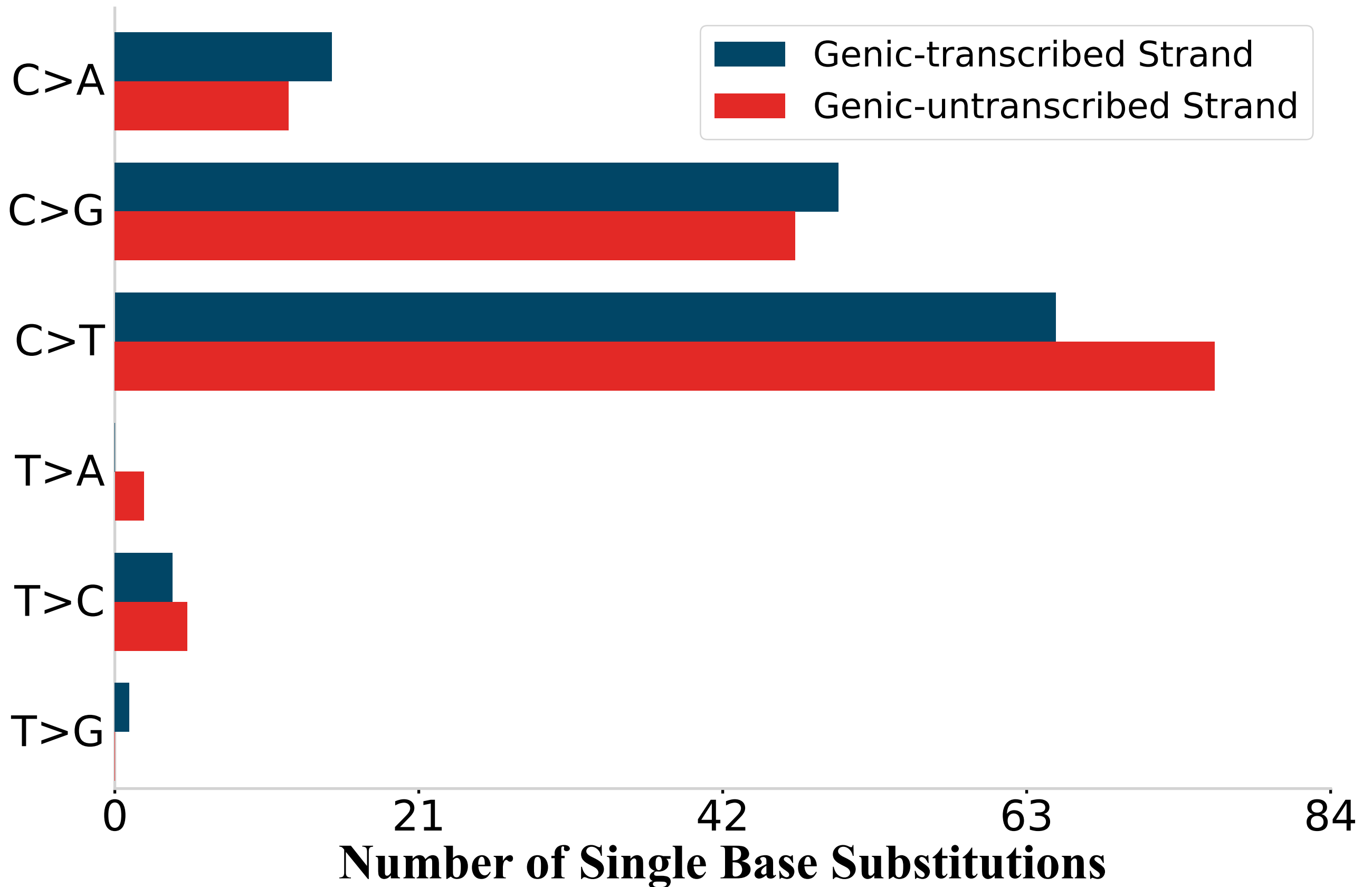
TCGA-XF-A9SK-01A-11D-A42E-08: 178 transcribed



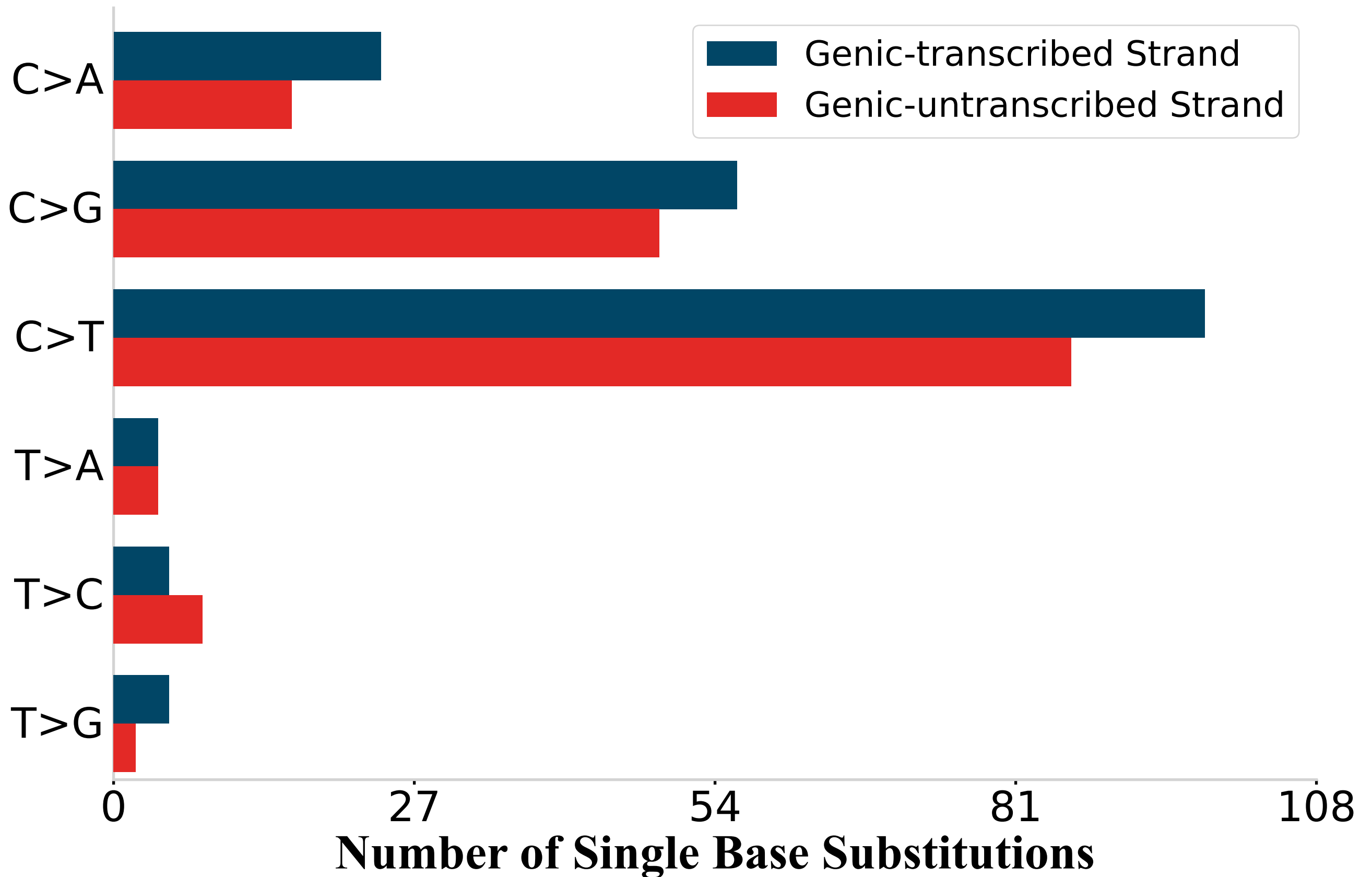
TCGA-XF-A9SL-01A-11D-A391-08: 89 transcribed s



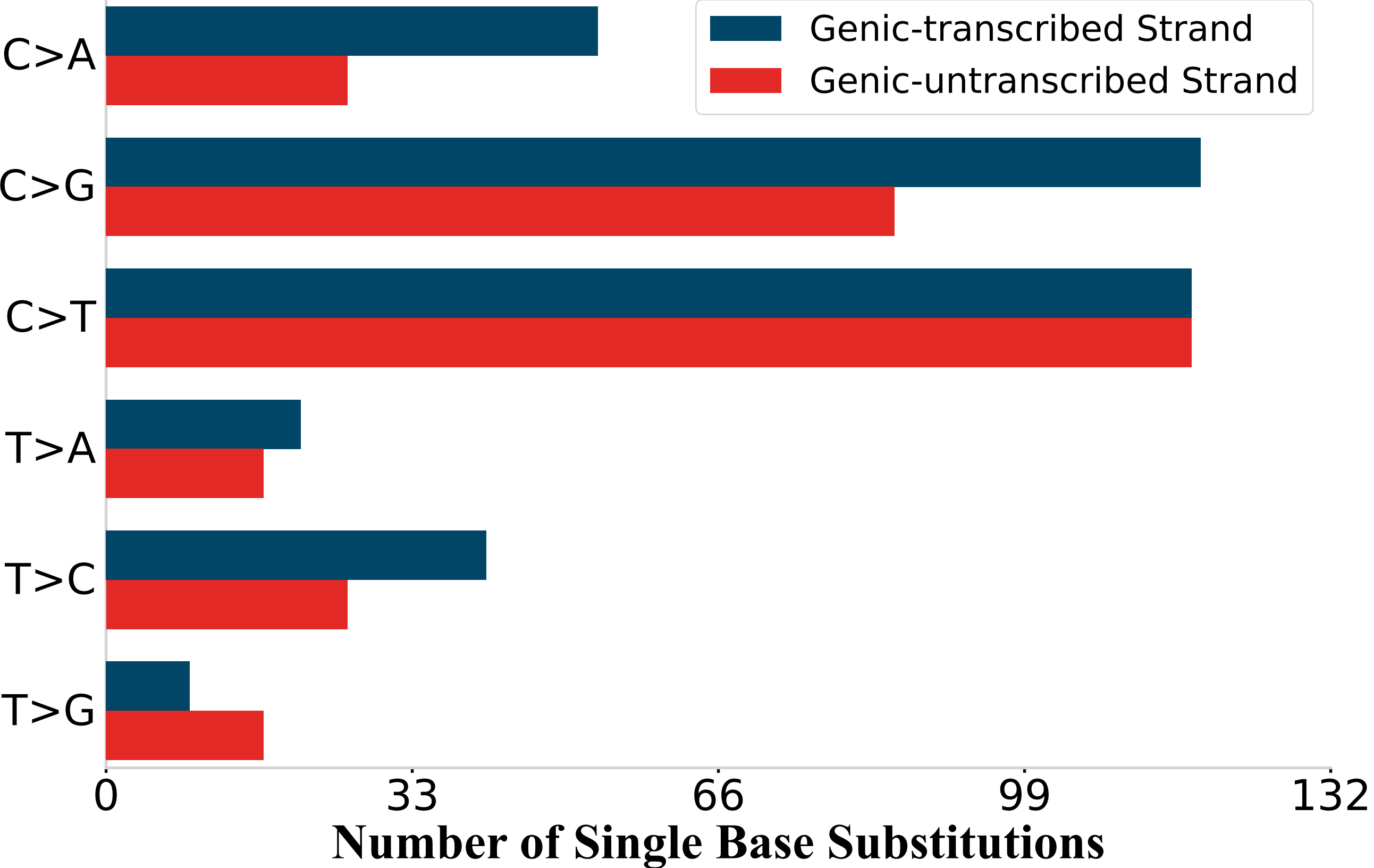
TCGA-XF-A9SM-01A-11D-A42E-08: 277 transcribed



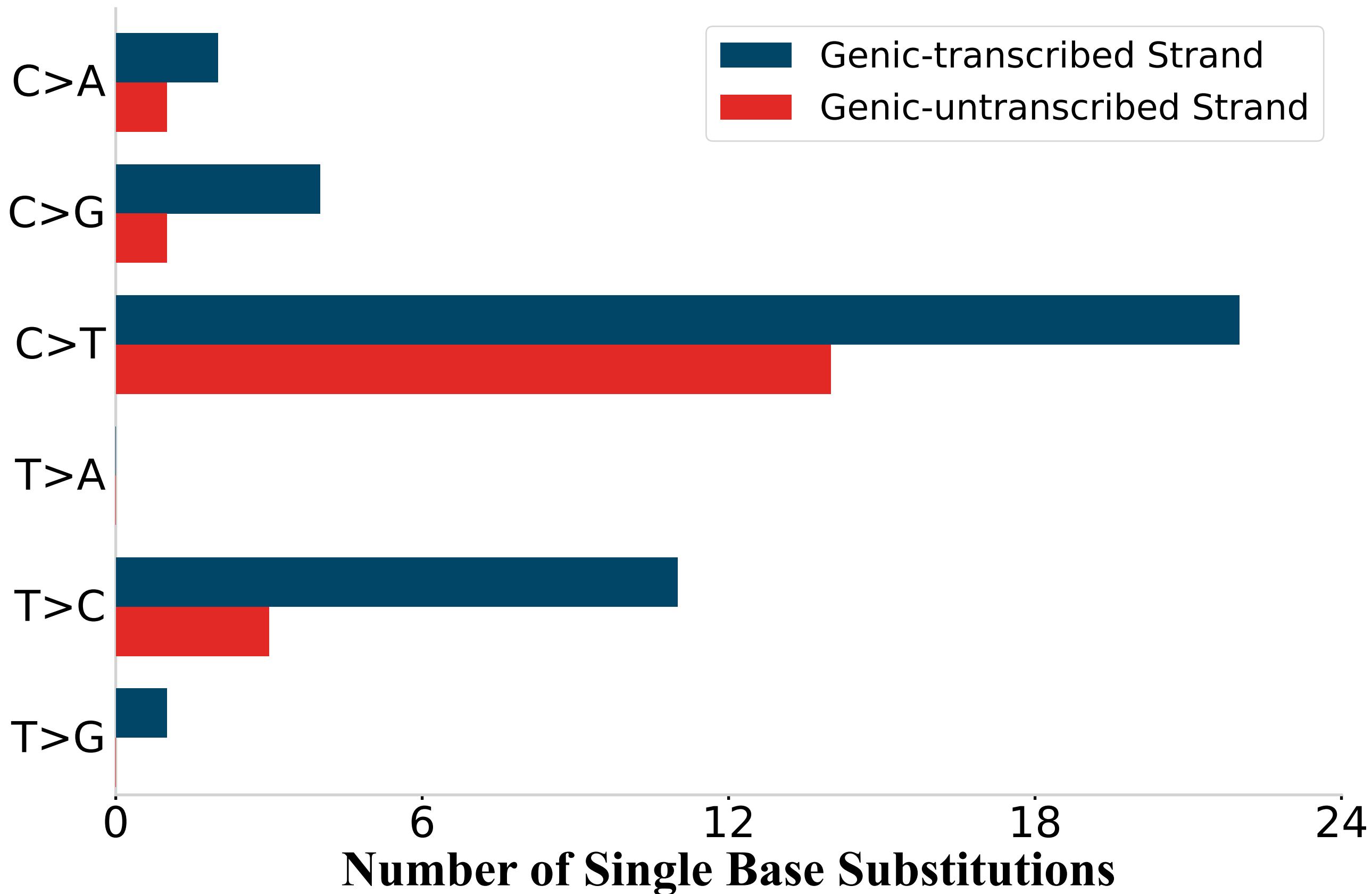
TCGA-XF-A9SP-01A-11D-A391-08: 357 transcribed



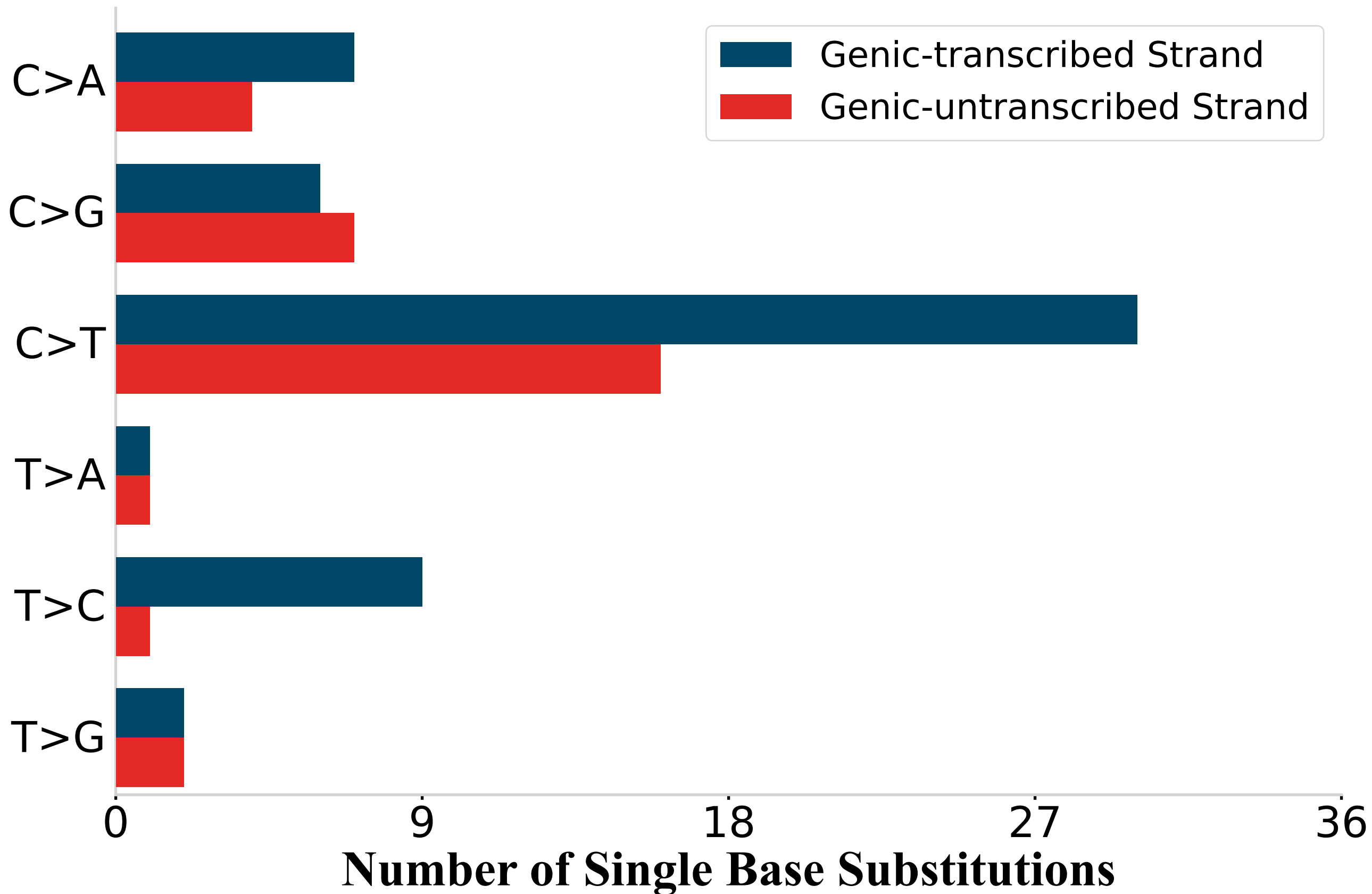
TCGA-XF-A9ST-01A-11D-A42E-08: 647 transcribed



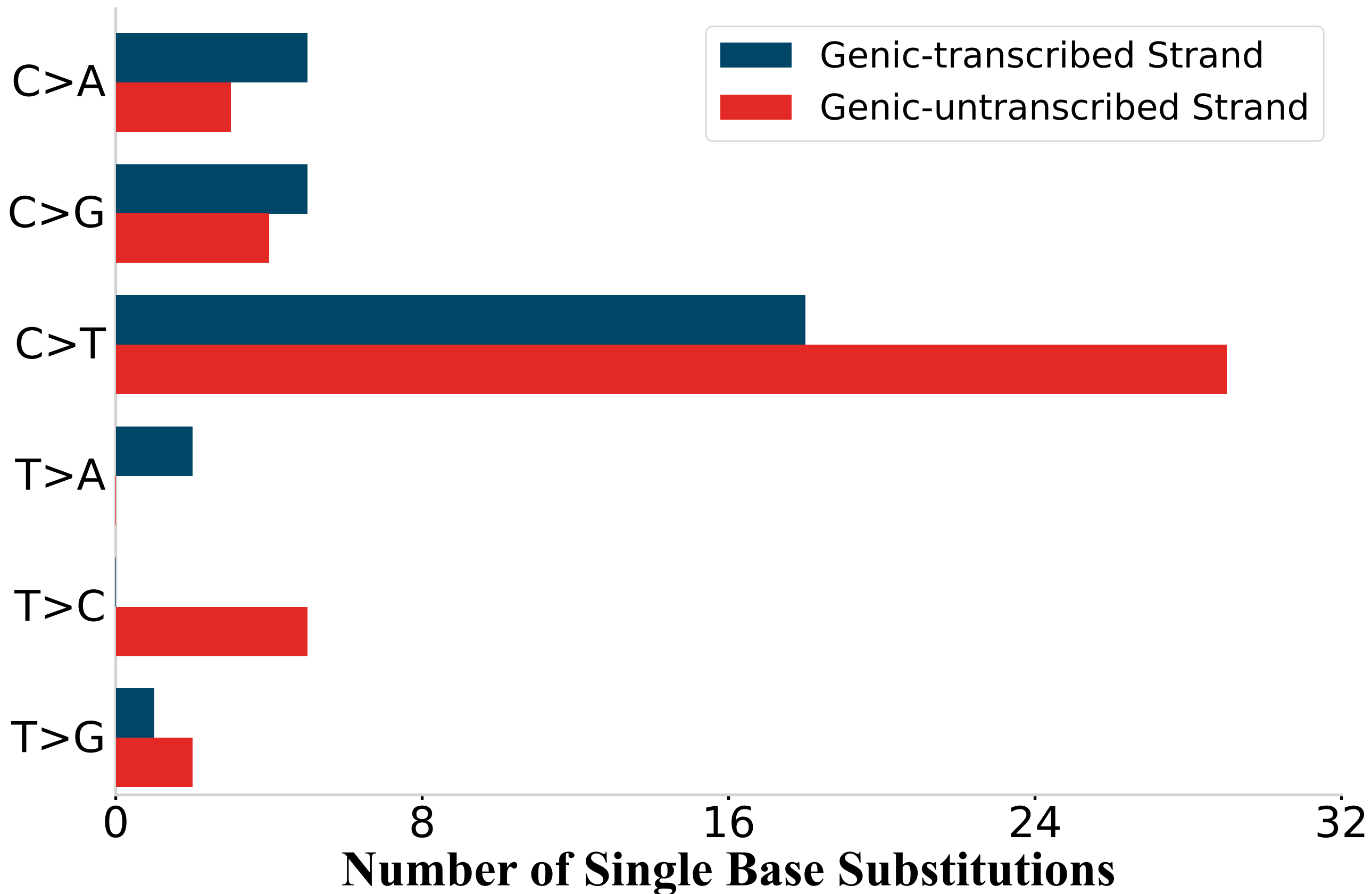
TCGA-XF-A9SU-01A-31D-A391-08: 59 transcribed



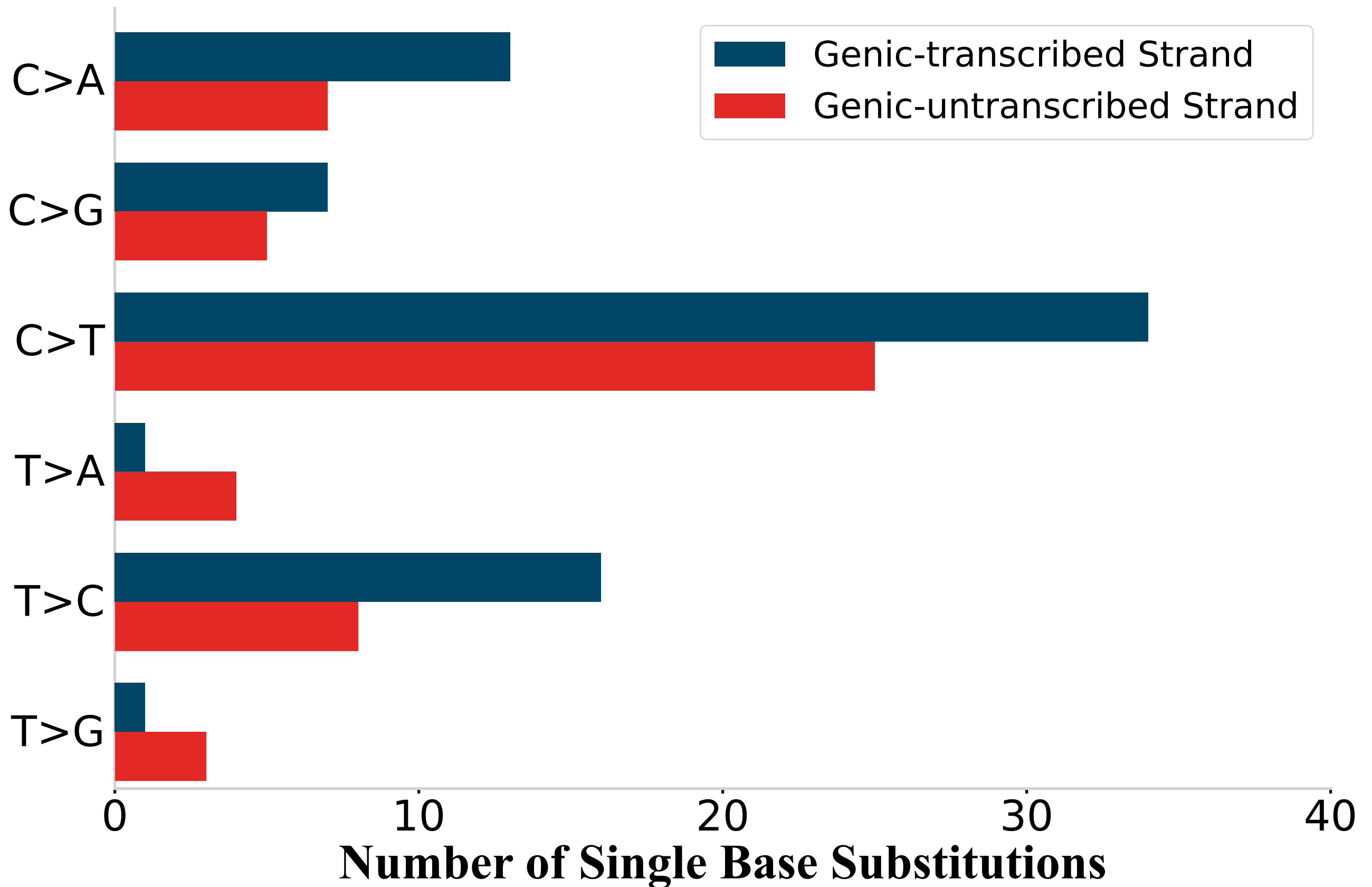
TCGA-XF-A9SV-01A-21D-A42E-08: 86 transcribed



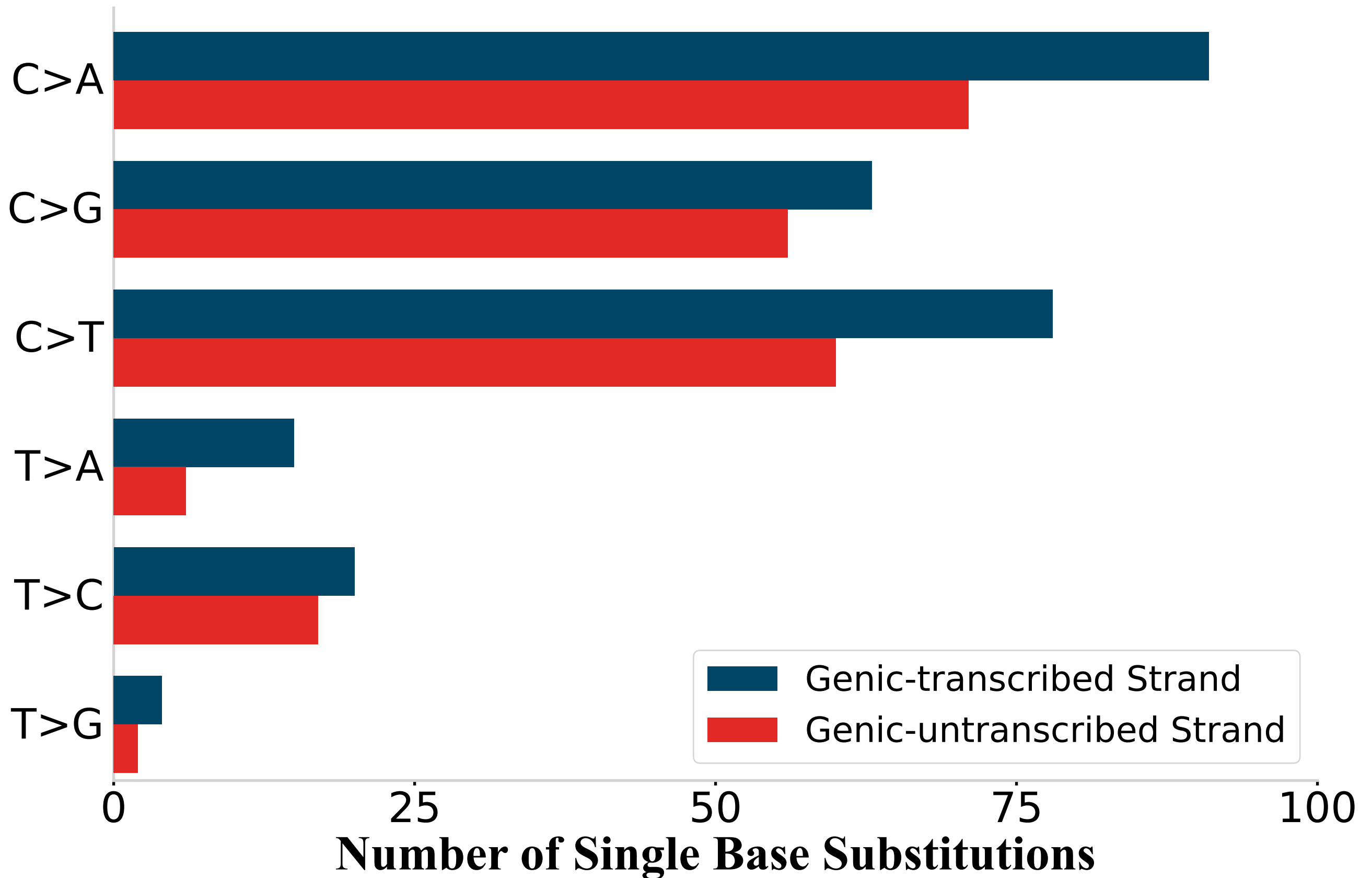
TCGA-XF-A9SW-01A-11D-A42E-08: 74 transcribed



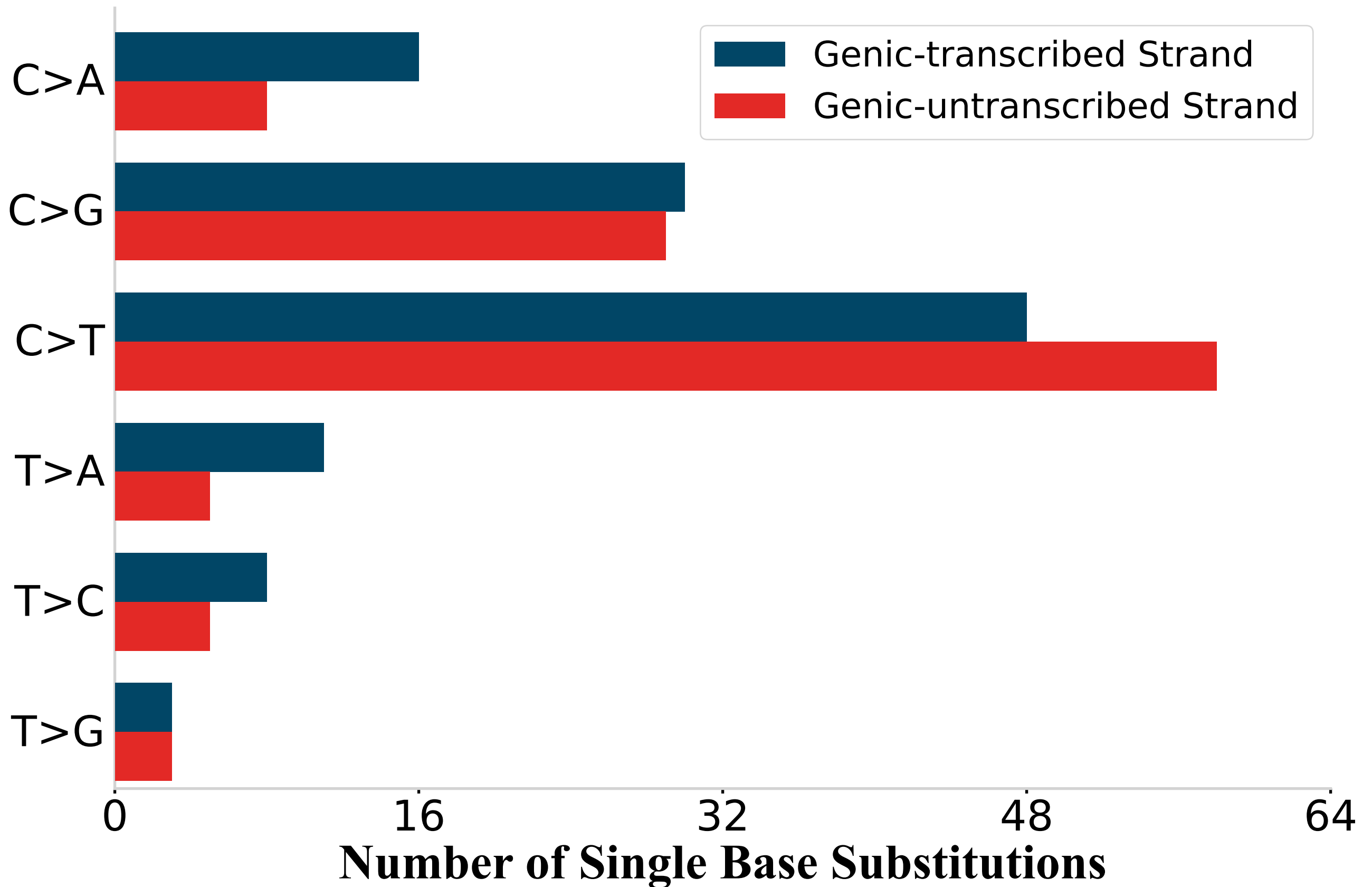
TCGA-XF-A9SX-01A-21D-A391-08: 124 transcribed



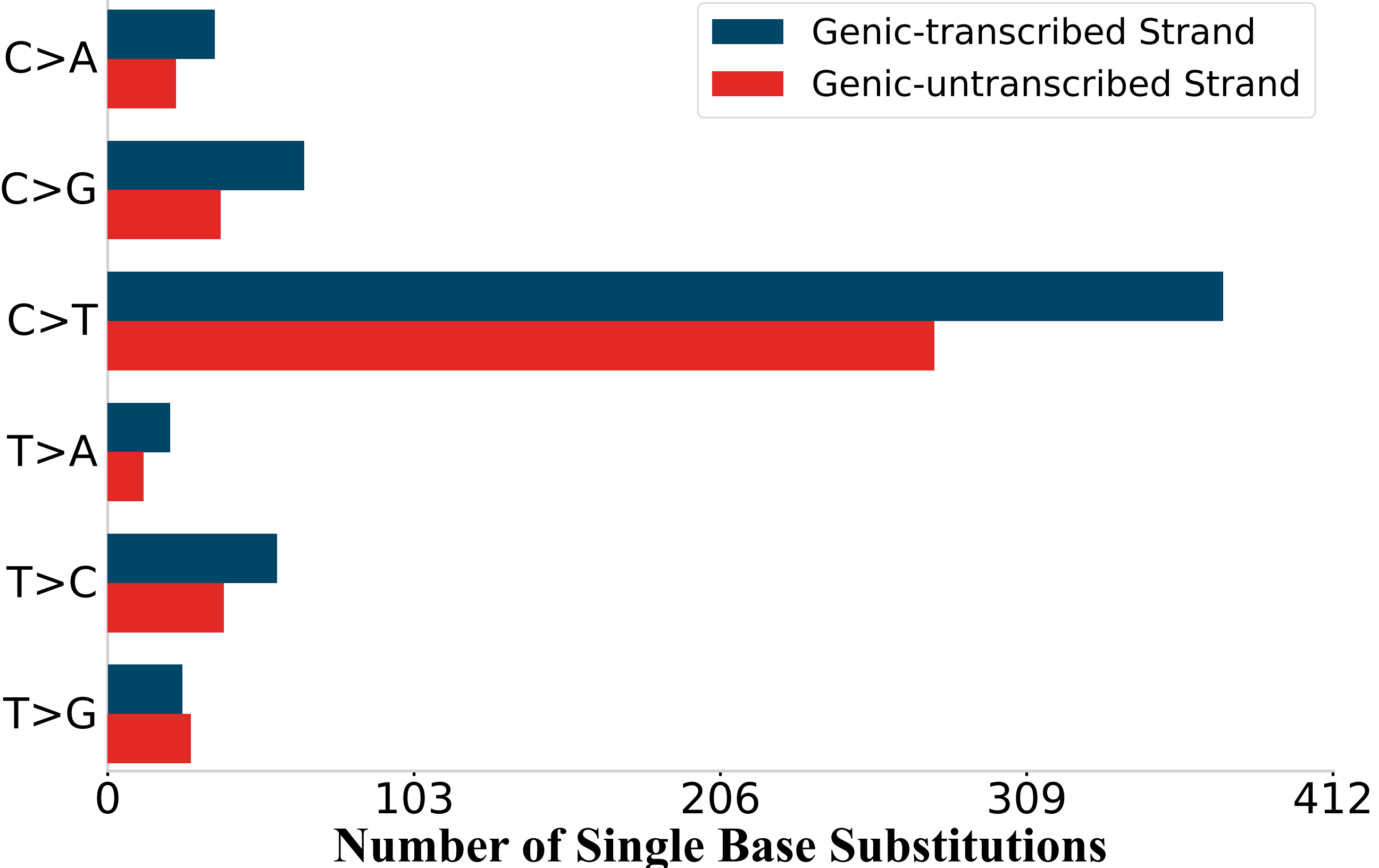
TCGA-XF-A9SY-01A-21D-A42E-08: 483 transcribed



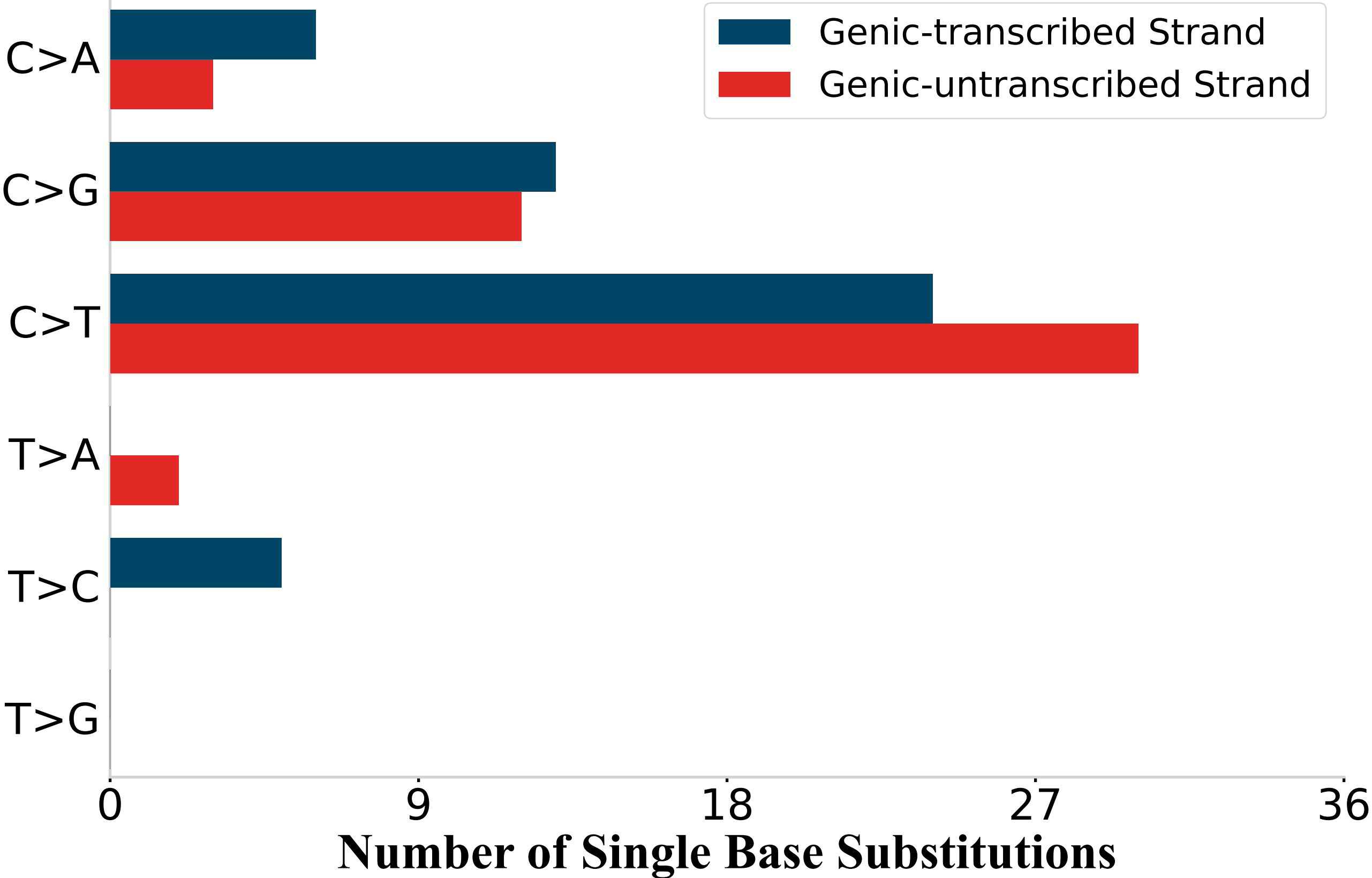
TCGA-XF-A9SZ-01A-11D-A391-08: 224 transcribed



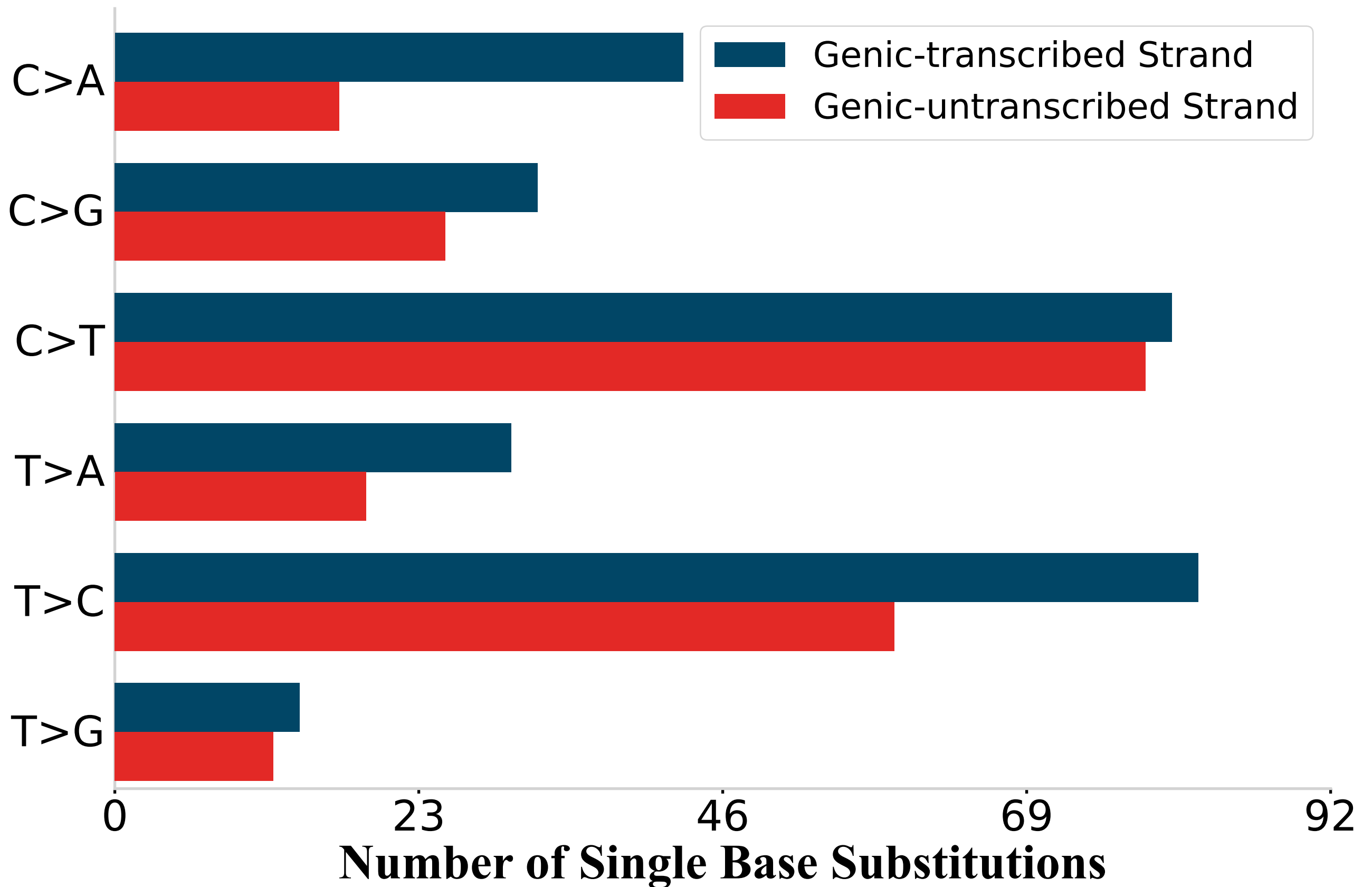
TCGA-XF-A9T0-01A-11D-A391-08: 998 transcribed



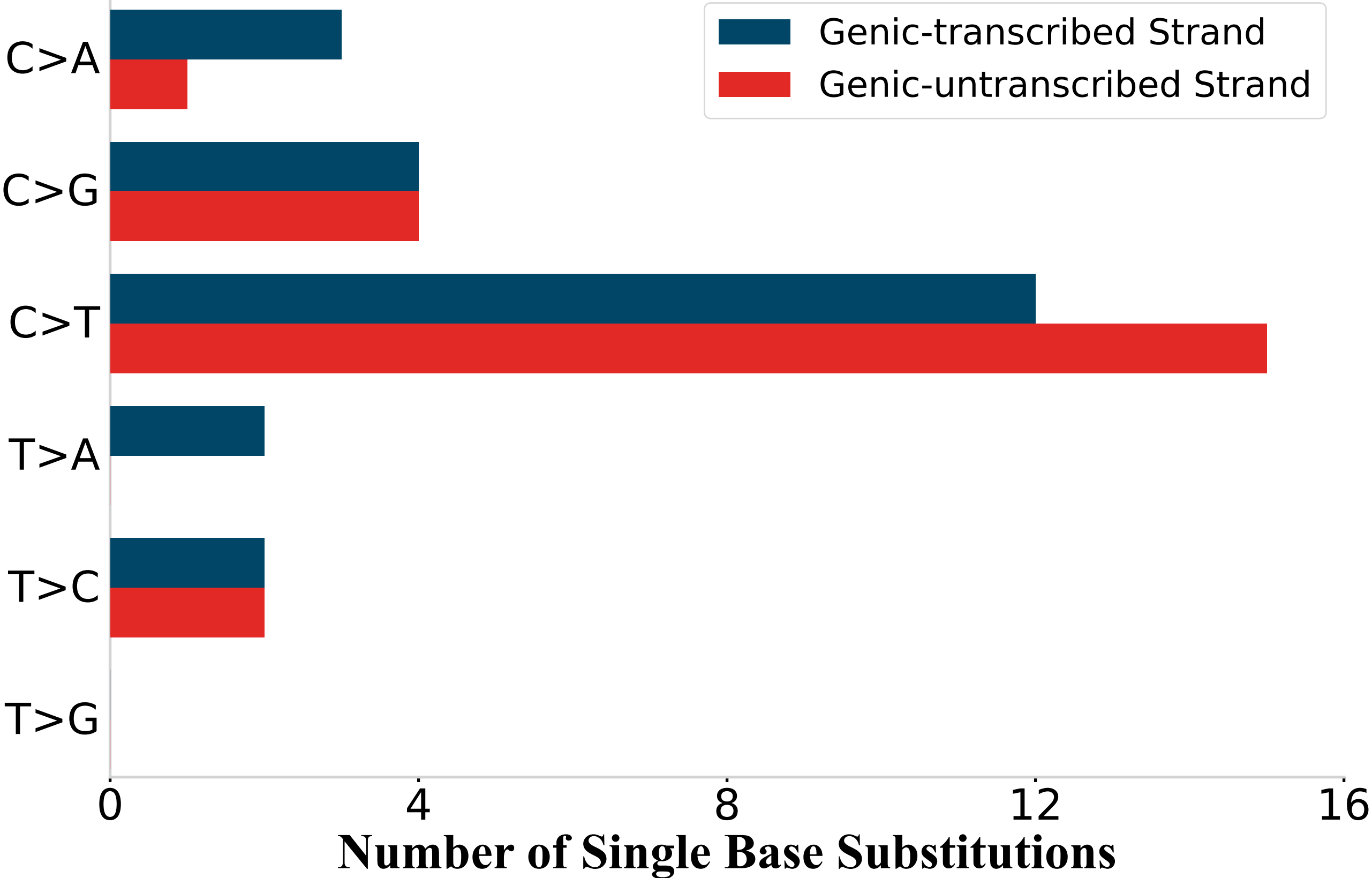
TCGA-XF-A9T2-01A-11D-A42E-08: 95 transcribed s



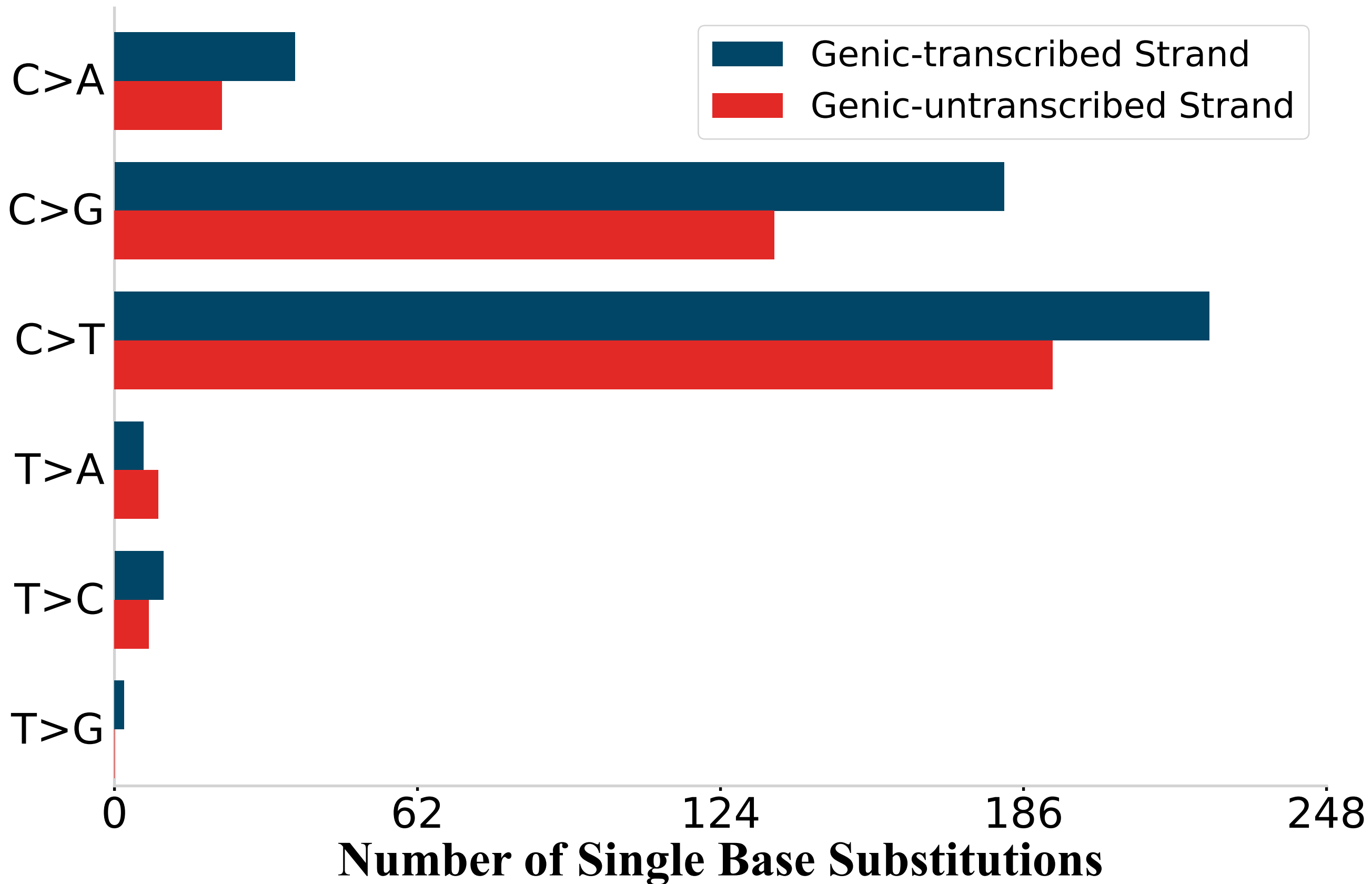
TCGA-XF-A9T3-01A-11D-A42E-08: 491 transcribed



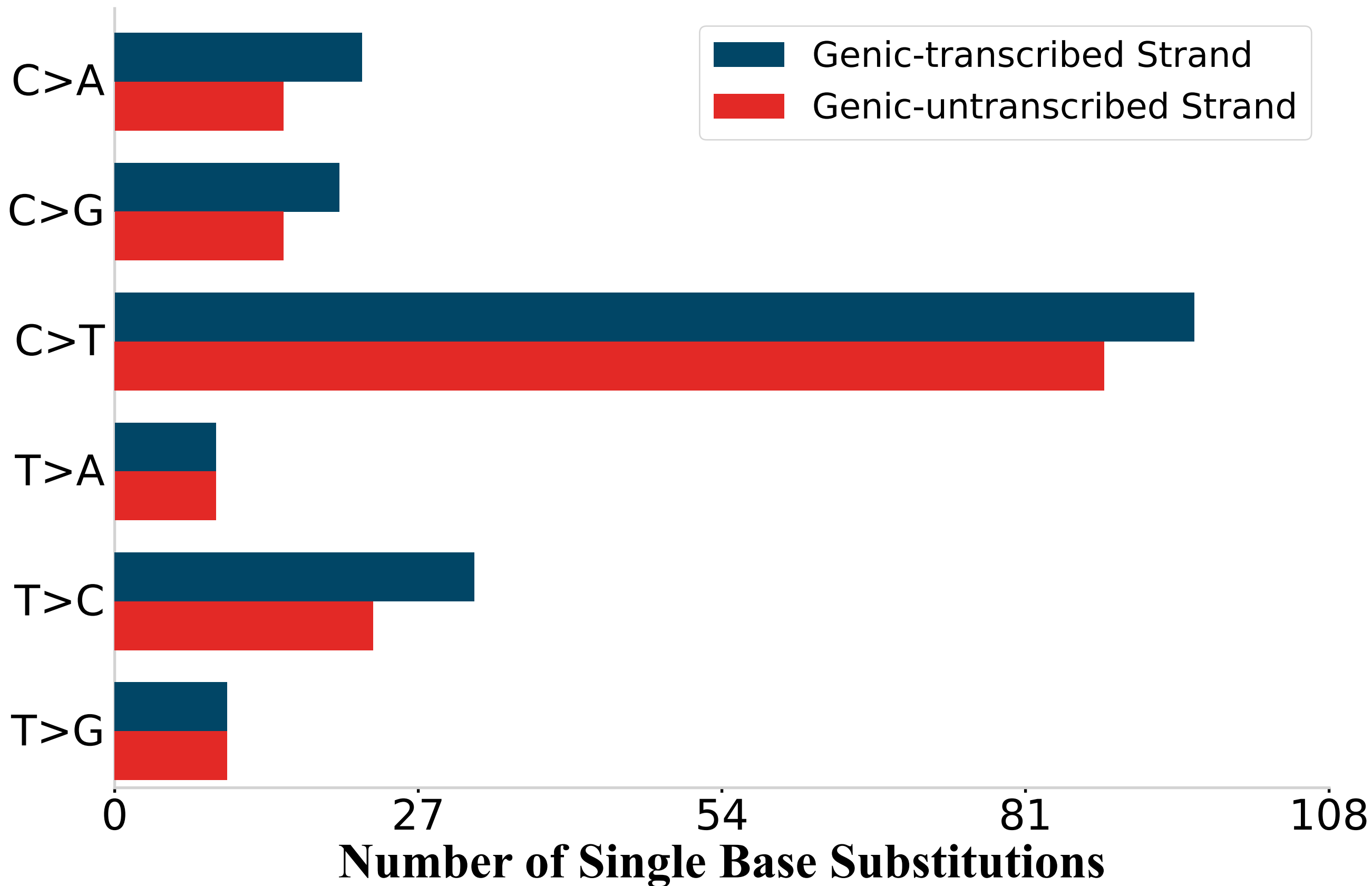
TCGA-XF-A9T4-01A-11D-A391-08: 45 transcribed s



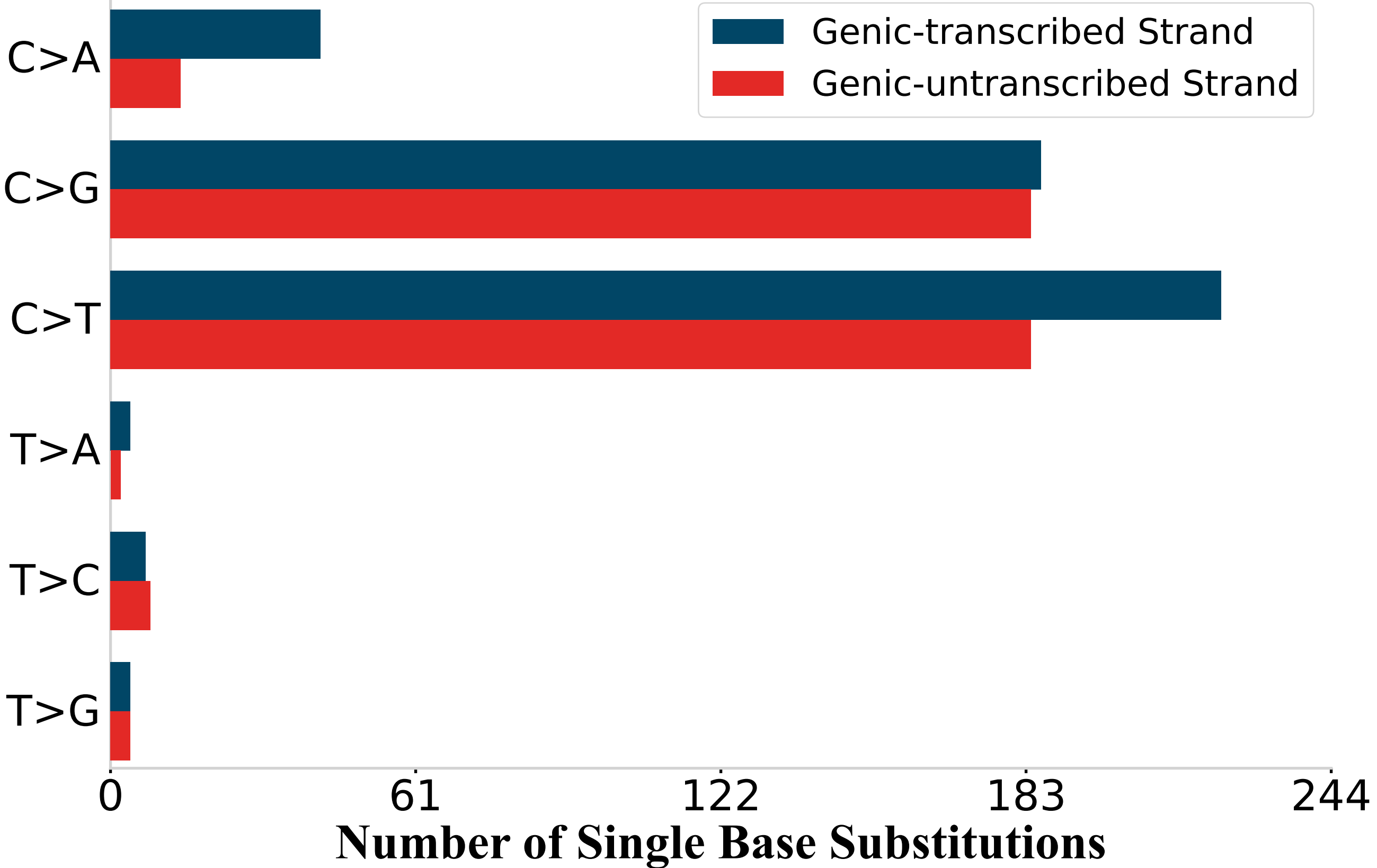
TCGA-XF-A9T5-01A-11D-A42E-08: 826 transcribed



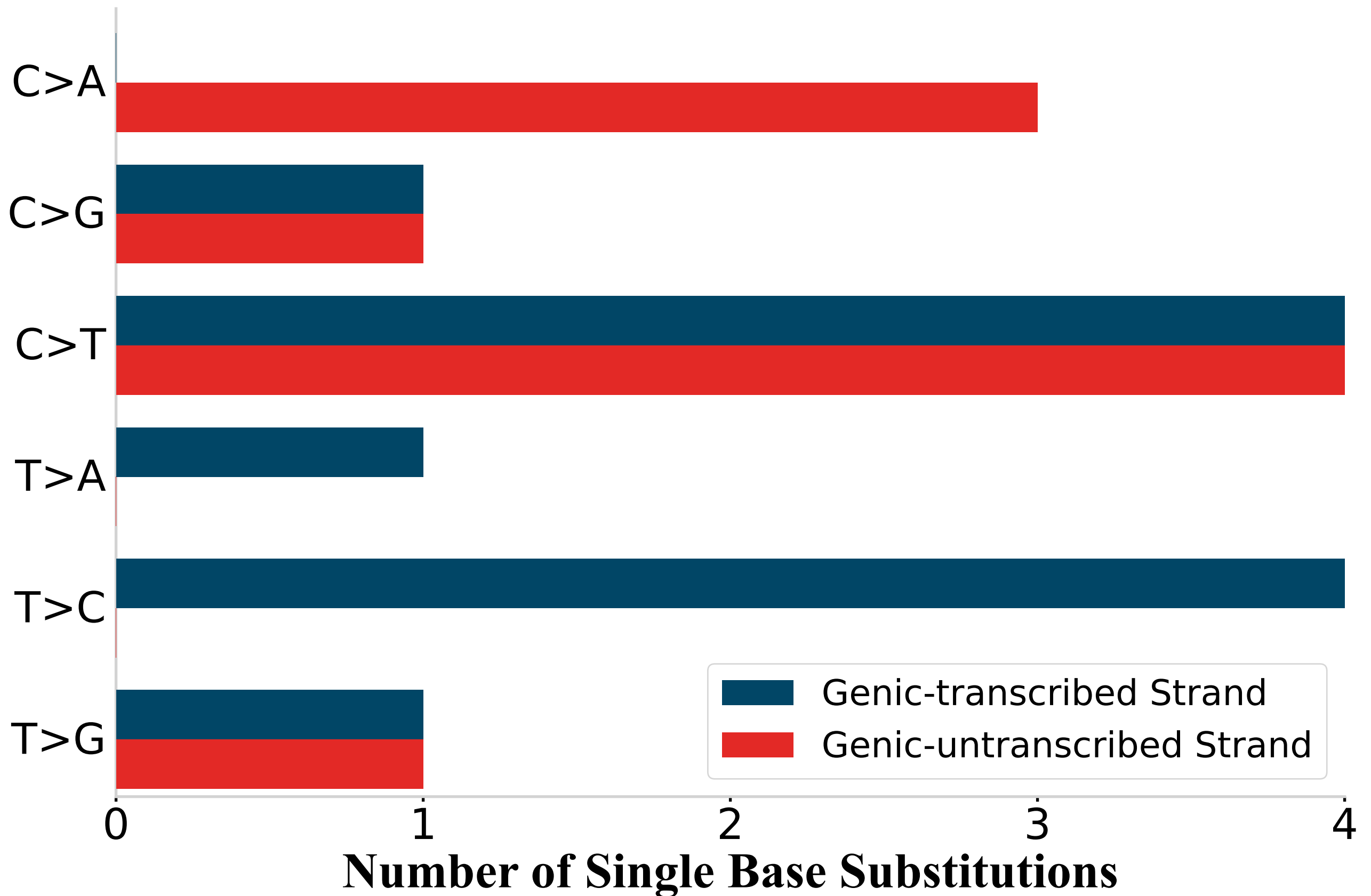
TCGA-XF-A9T6-01A-11D-A42E-08: 349 transcribed



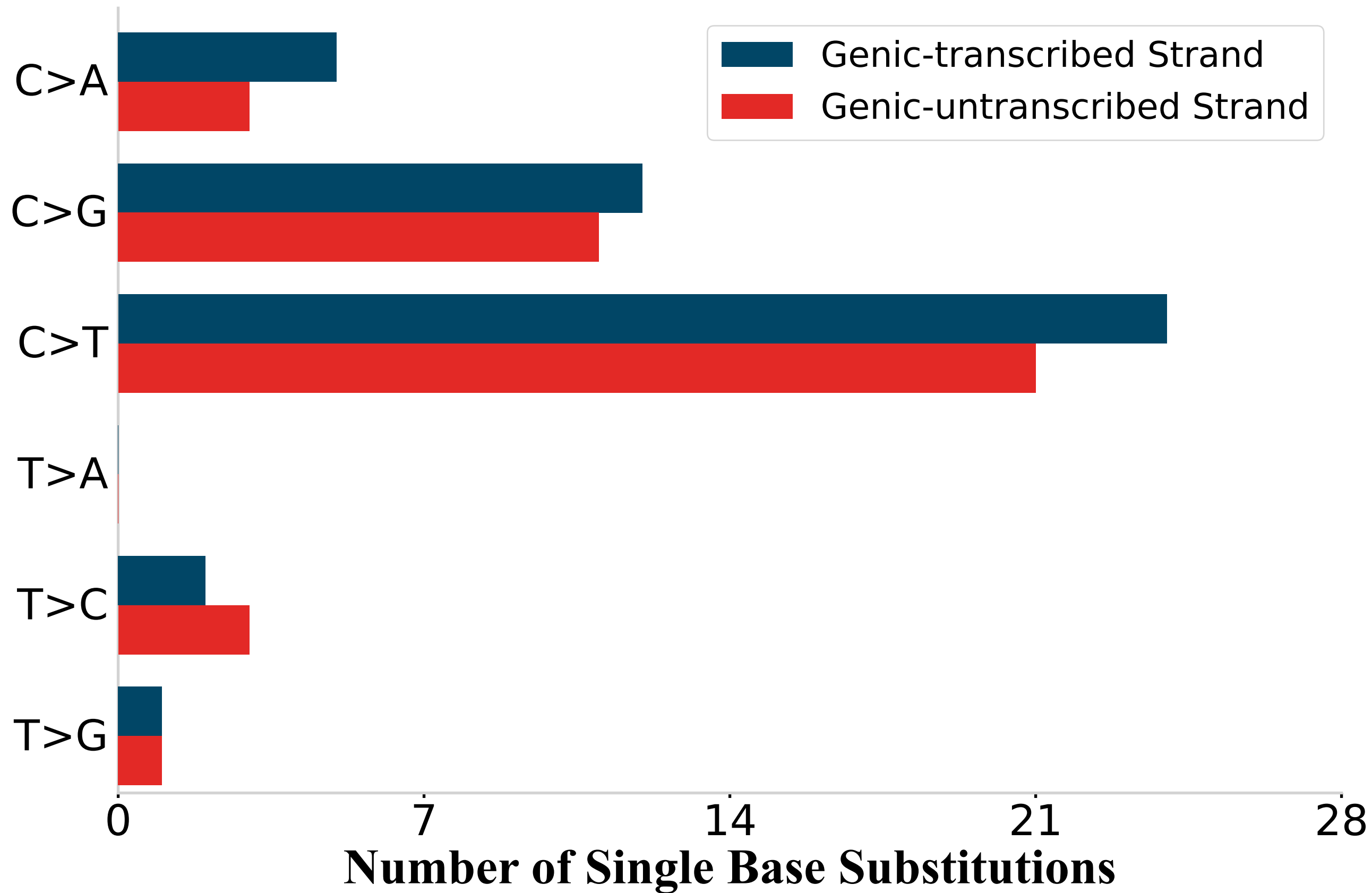
TCGA-XF-A9T8-01A-11D-A391-08: 861 transcribed



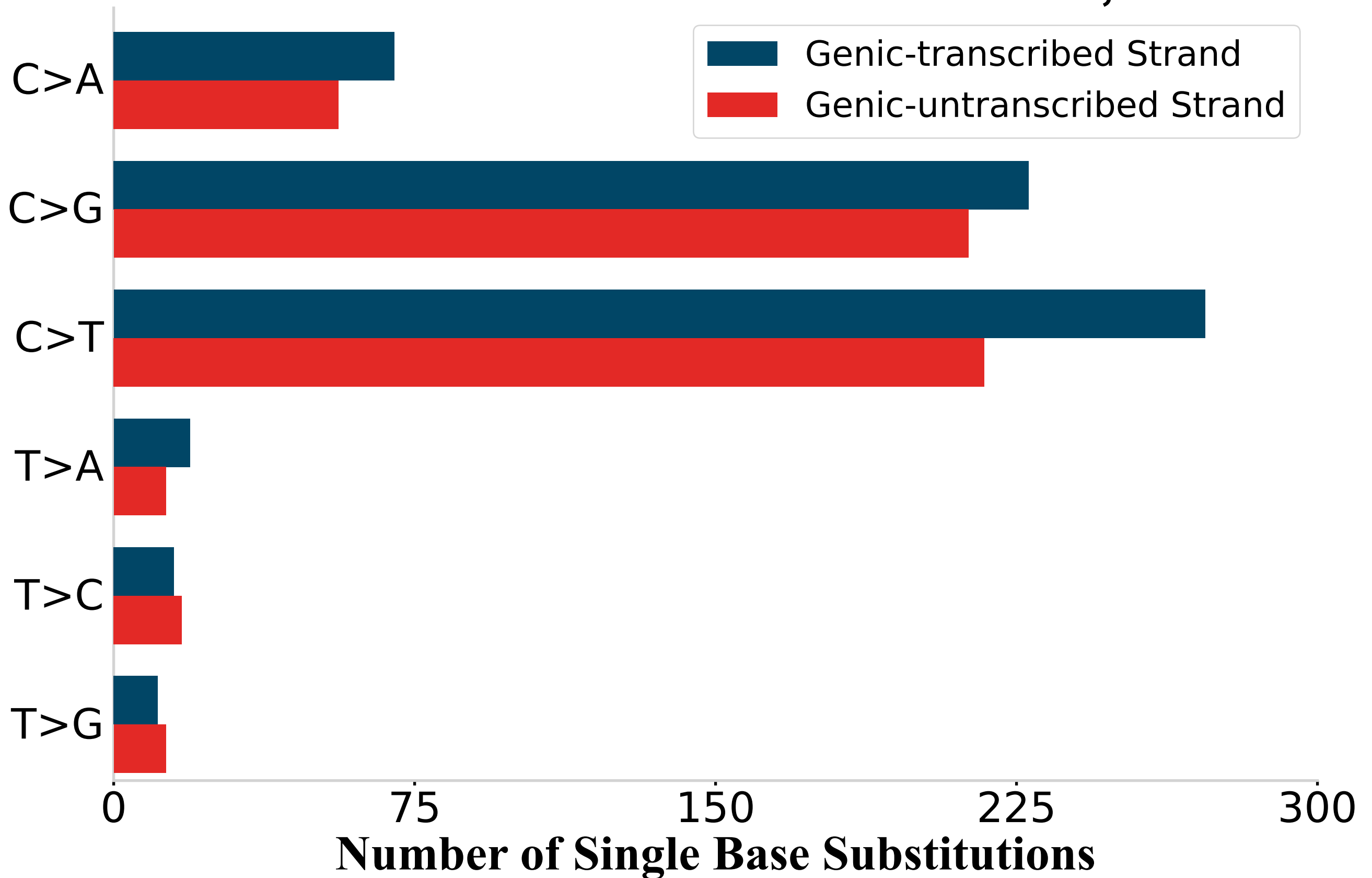
TCGA-XF-AAME-01A-12D-A42E-08: 20 transcribed



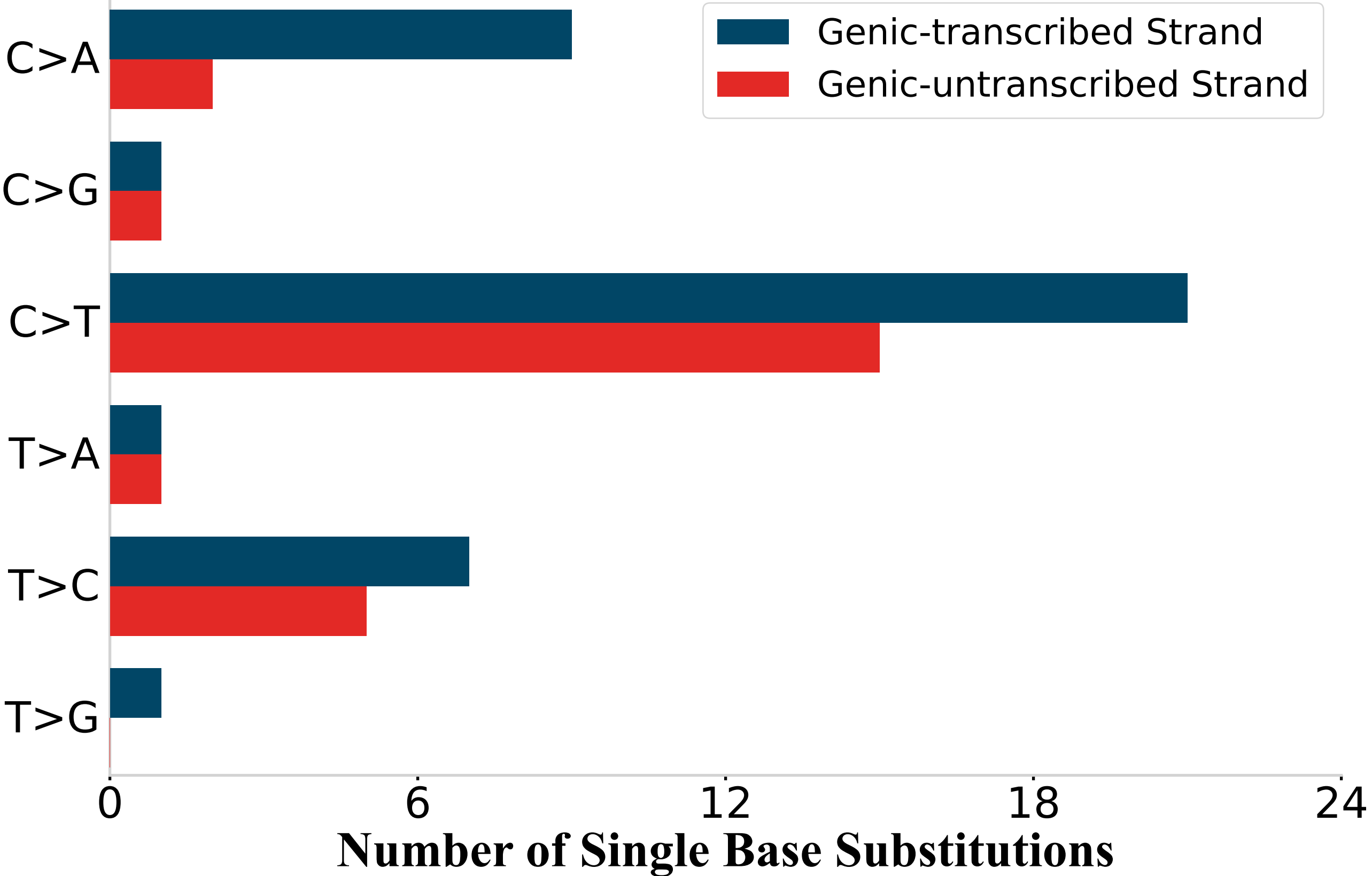
TCGA-XF-AAMF-01A-21D-A42E-08: 83 transcribed



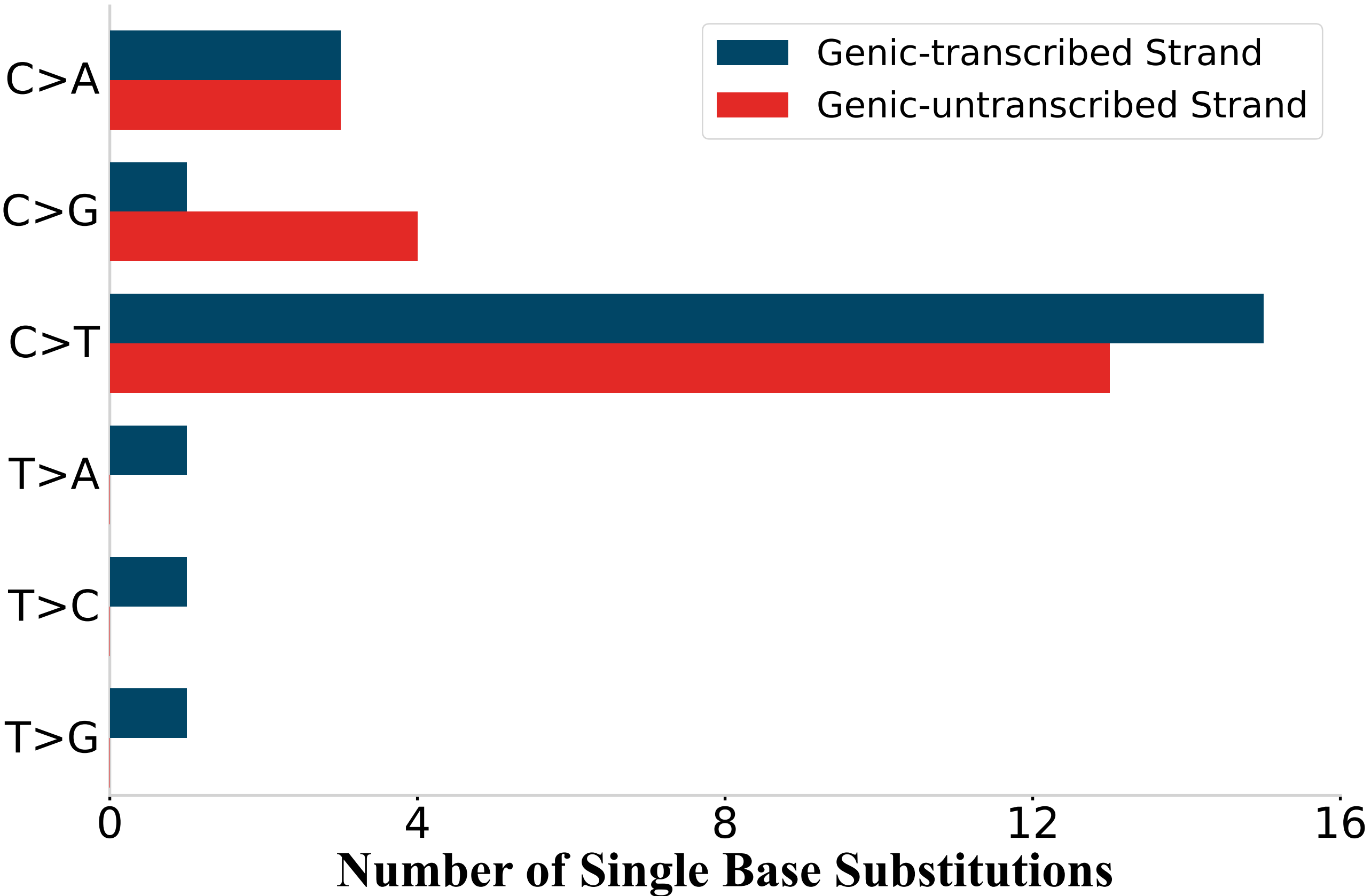
TCGA-XF-AAMG-01A-11D-A42E-08: 1,144 transcrip



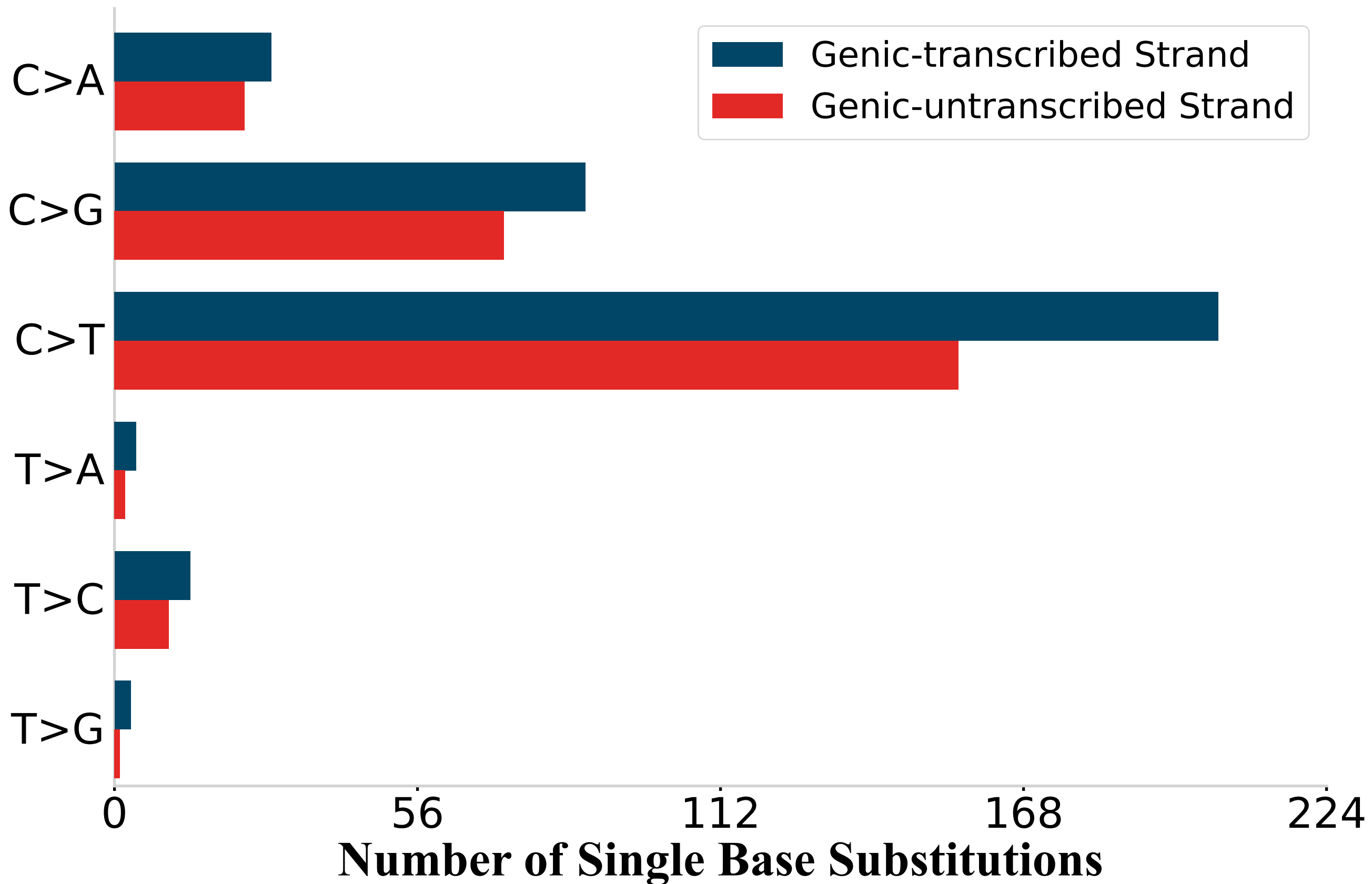
TCGA-XF-AAMH-01A-11D-A42E-08: 64 transcribed



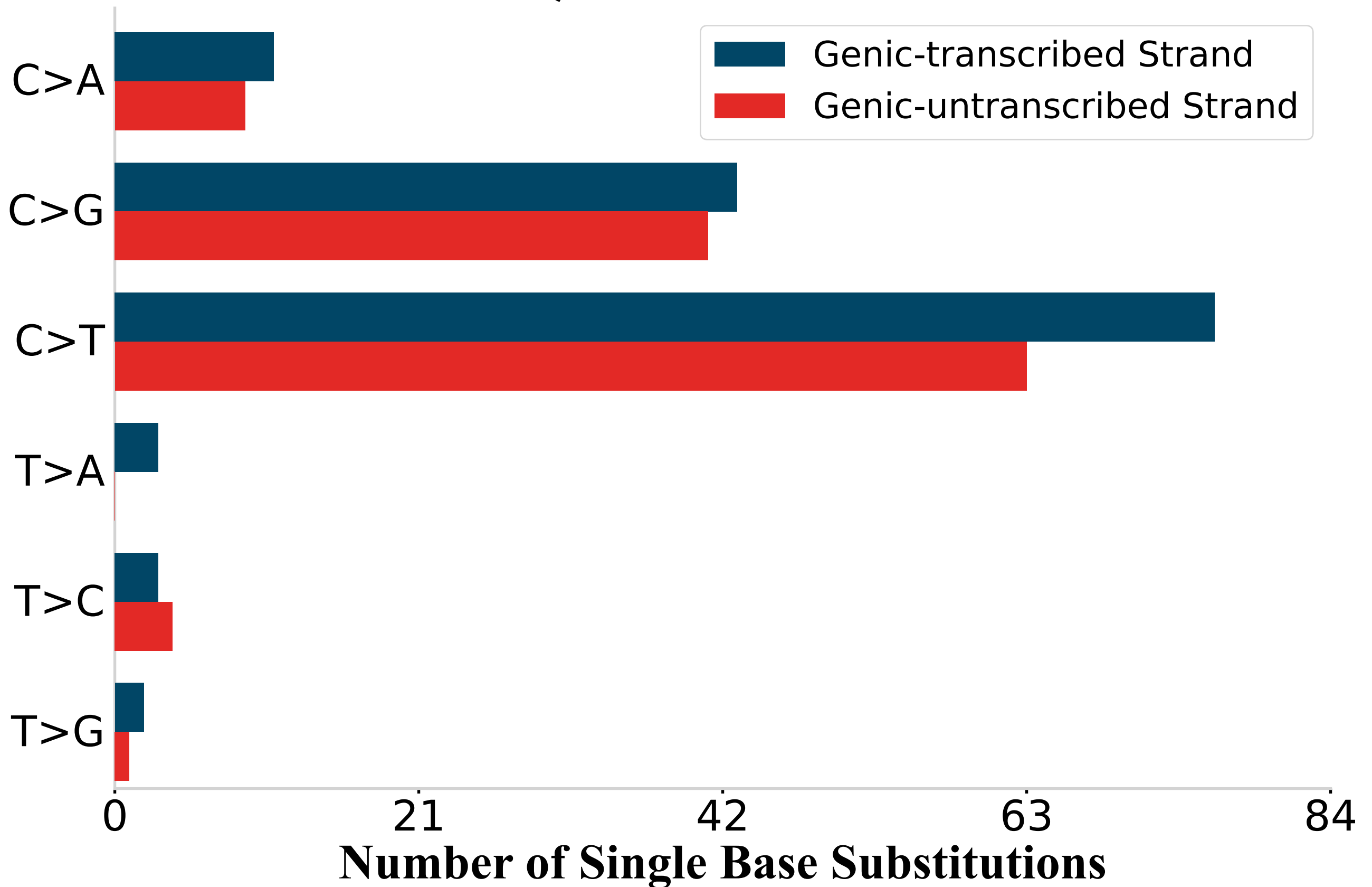
TCGA-XF-AAMJ-01A-11D-A42E-08: 42 transcribed



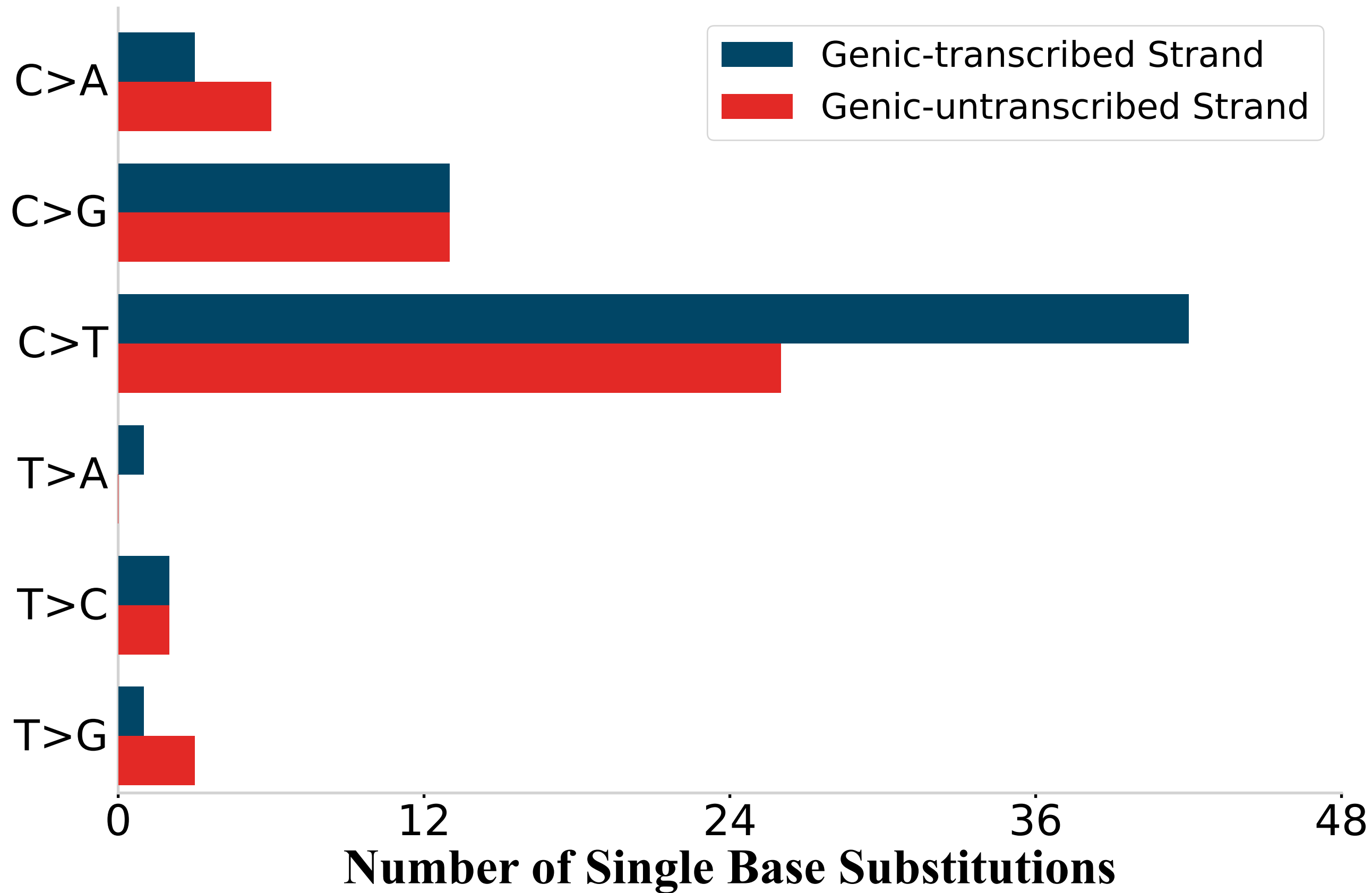
TCGA-XF-AAML-01A-11D-A42E-08: 606 transcribe



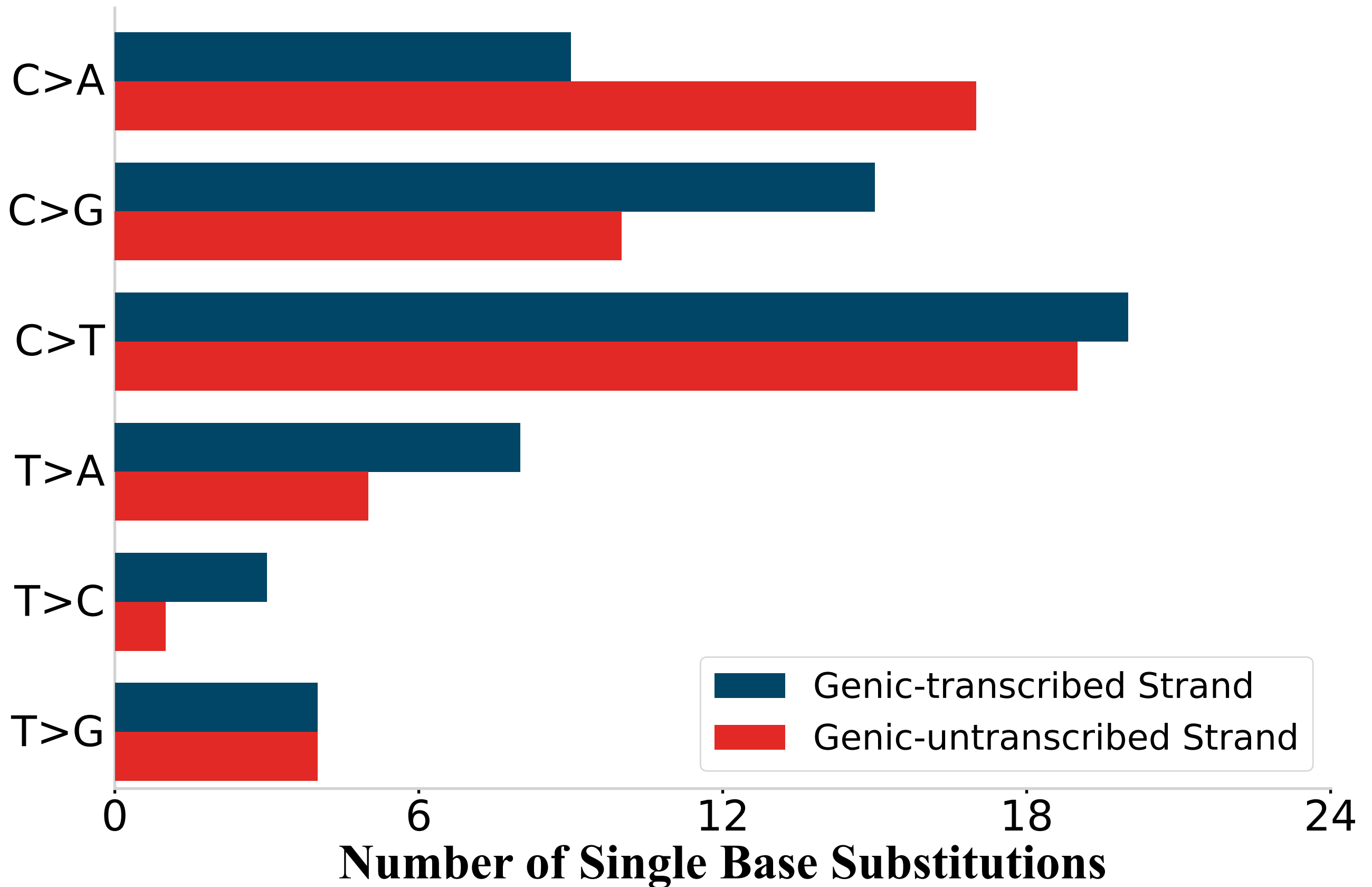
TCGA-XF-AAMQ-01A-11D-A42E-08: 256 transcribed



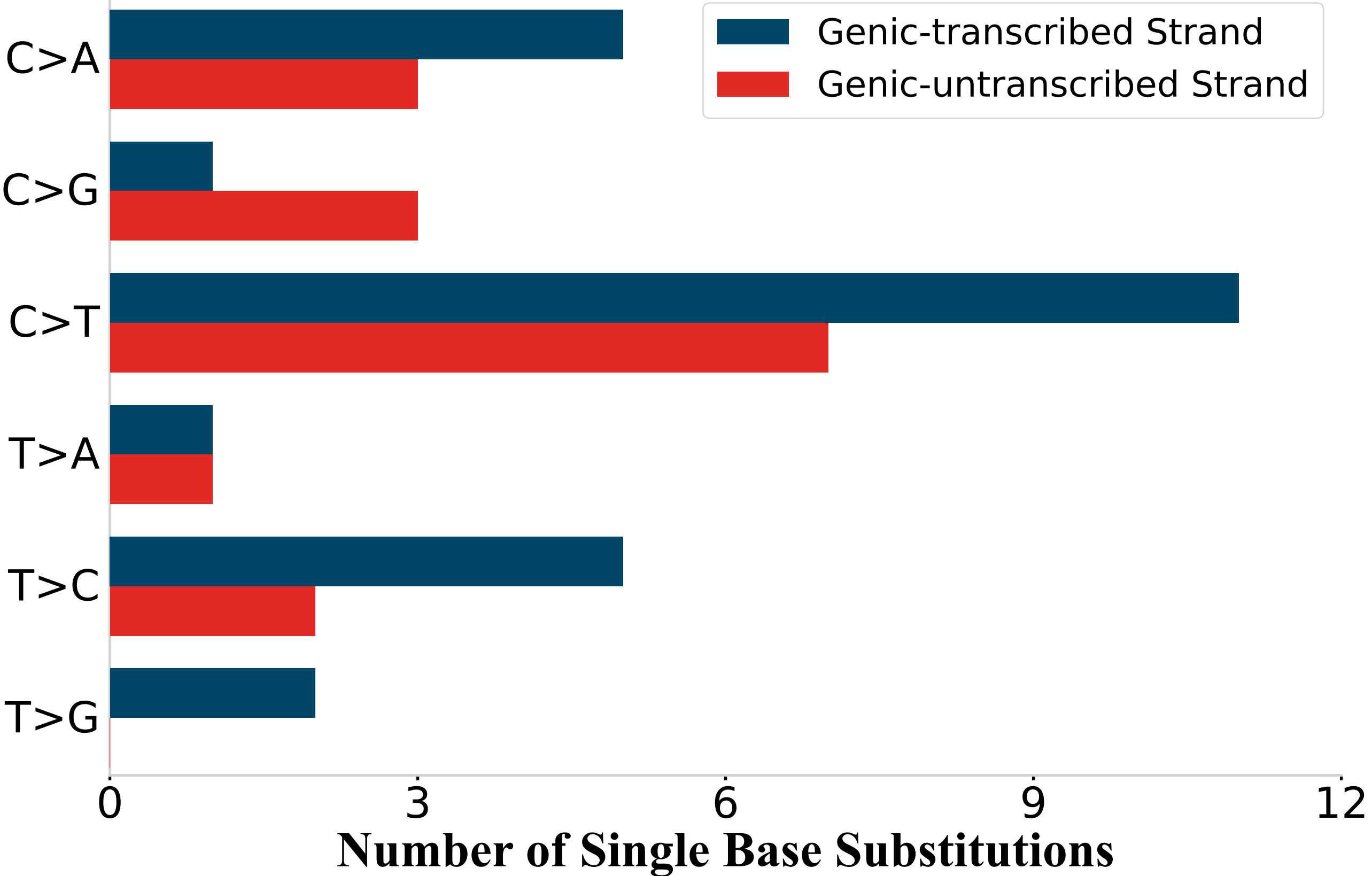
TCGA-XF-AAMR-01A-31D-A42E-08: 112 transcribe



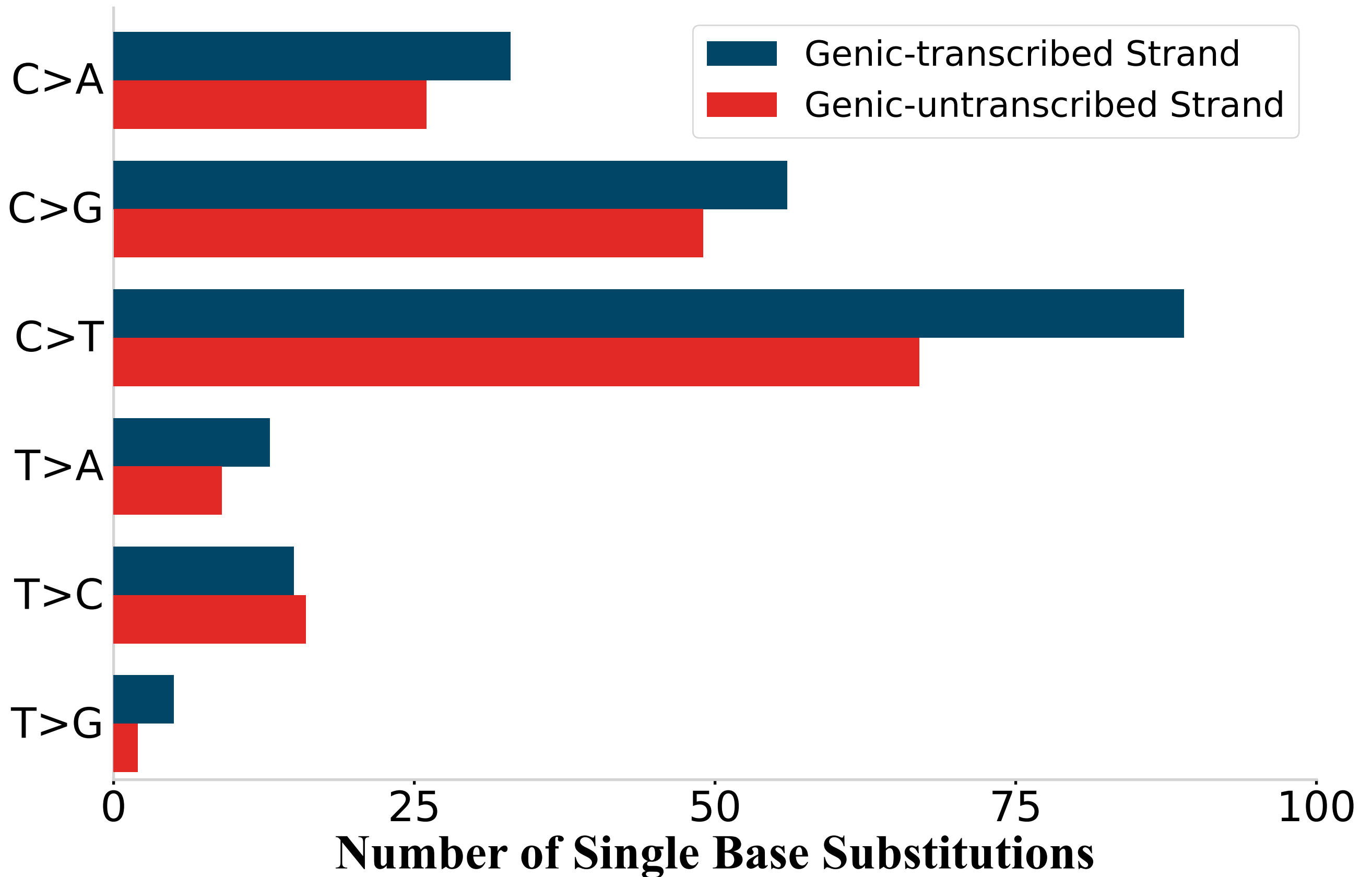
TCGA-XF-AAMT-01A-11D-A42E-08: 115 transcribed



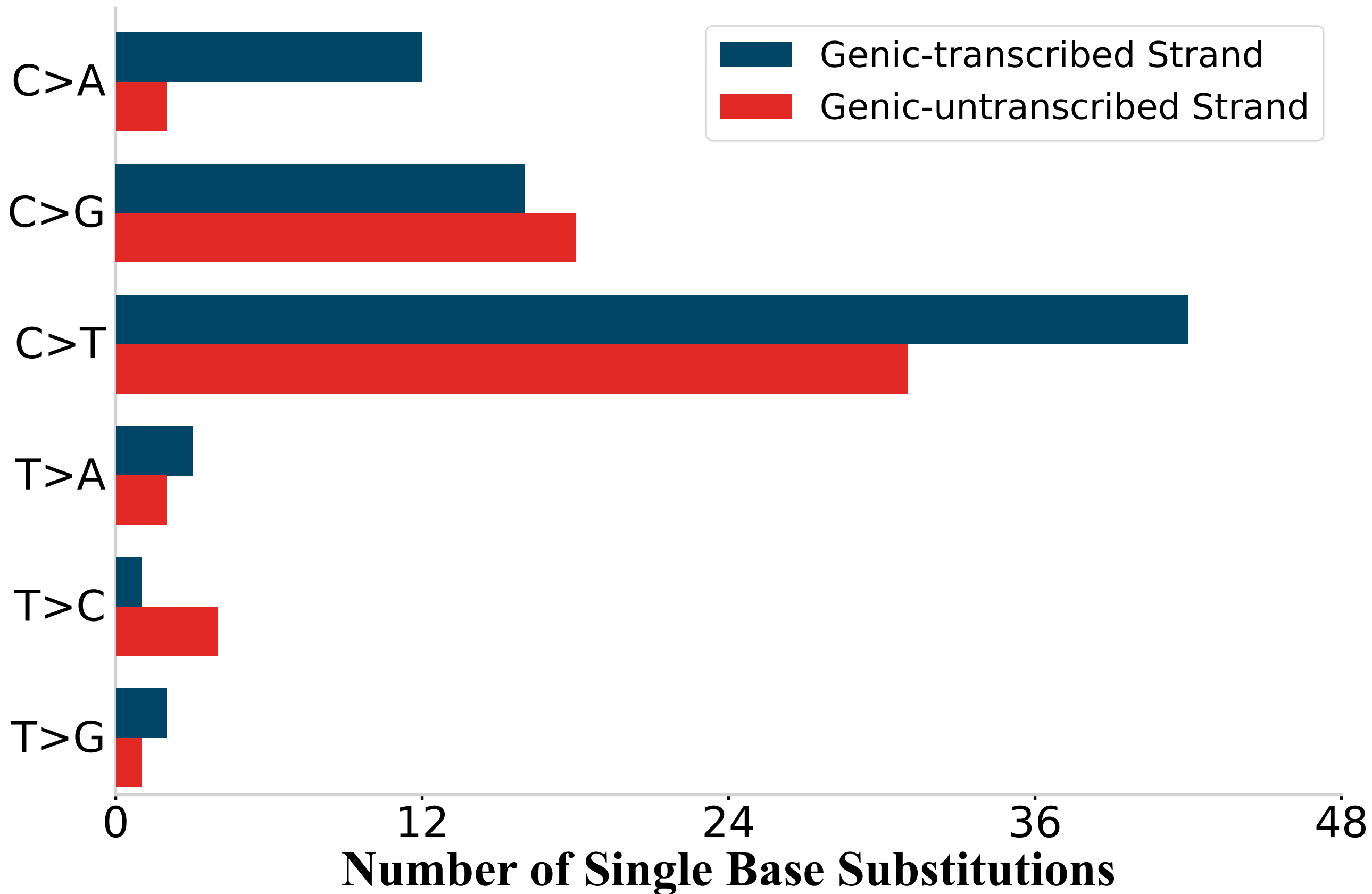
TCGA-XF-AAMW-01A-11D-A42E-08: 41 transcribed



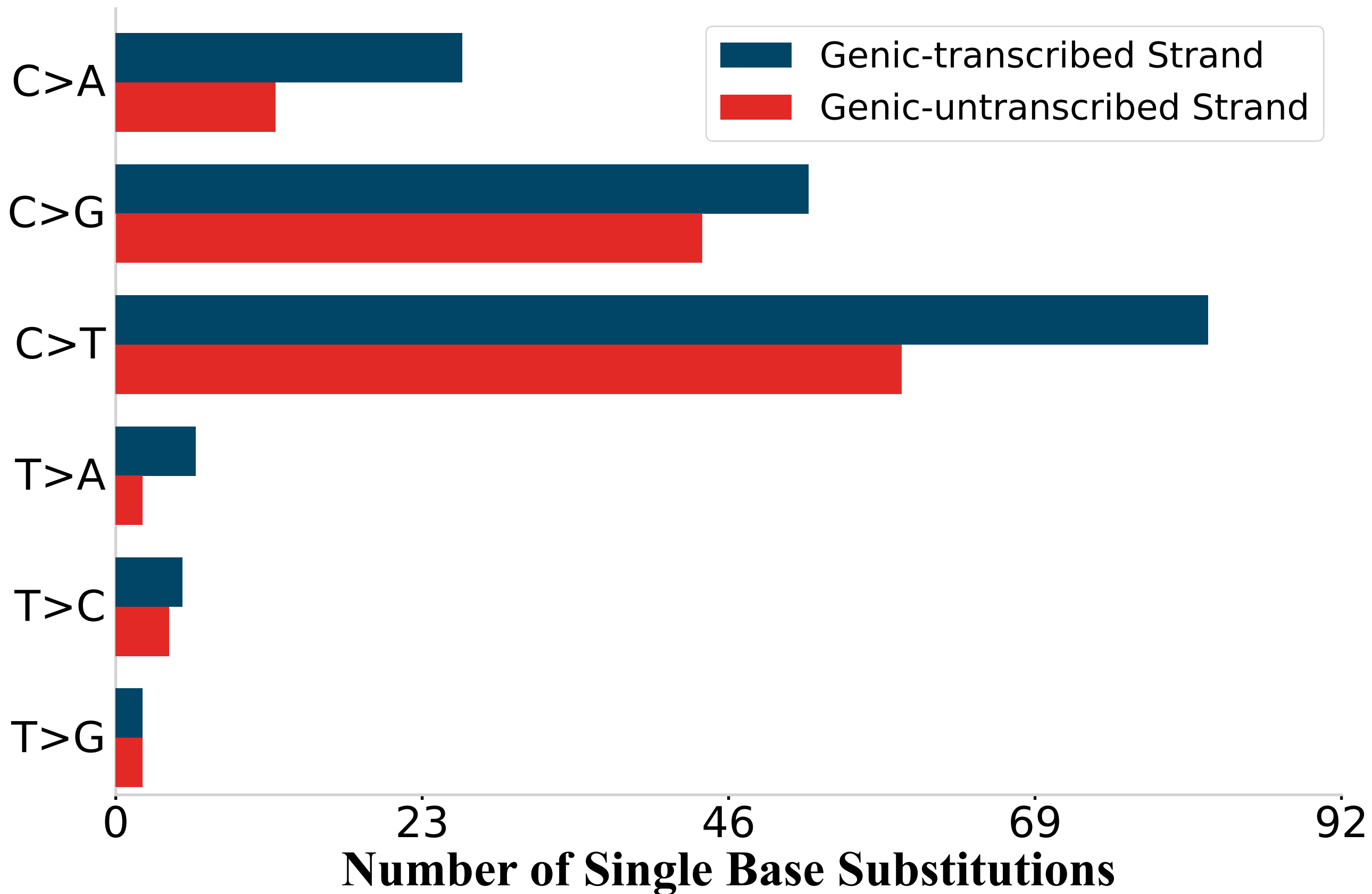
TCGA-XF-AAMX-01A-11D-A42E-08: 380 transcribe



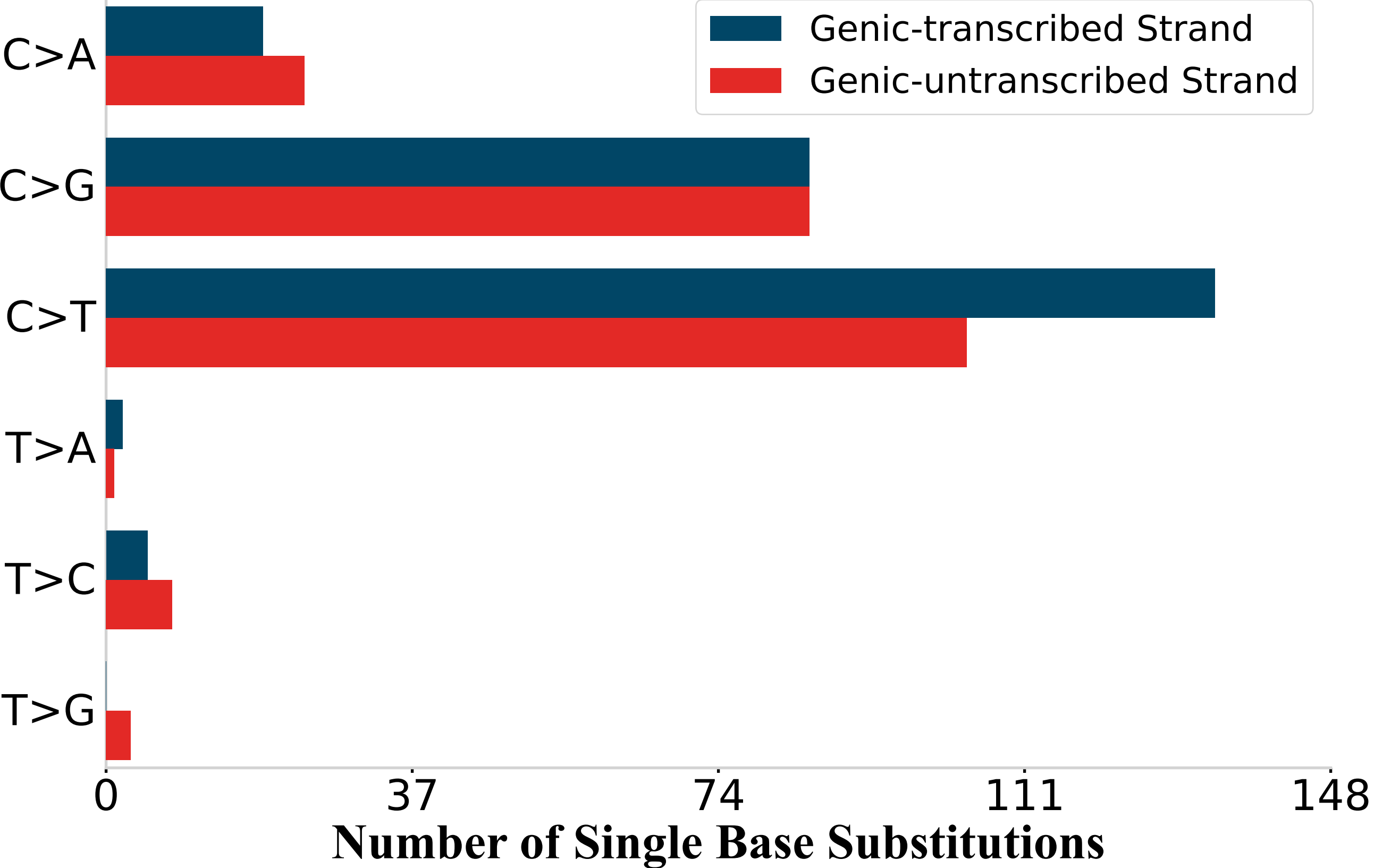
TCGA-XF-AAMY-01A-11D-A42E-08: 134 transcribe



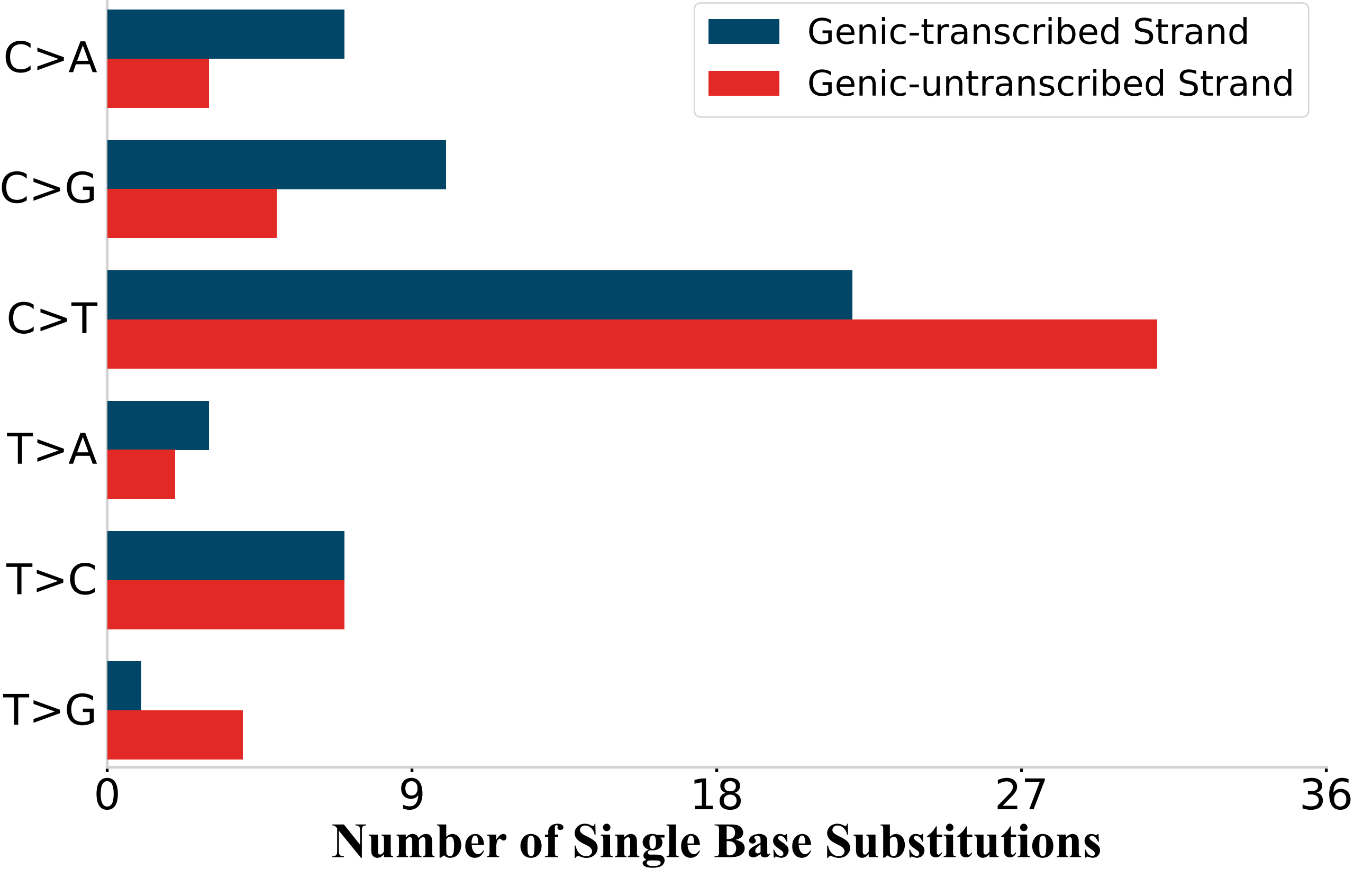
TCGA-XF-AAMZ-01A-11D-A42E-08: 296 transcribe



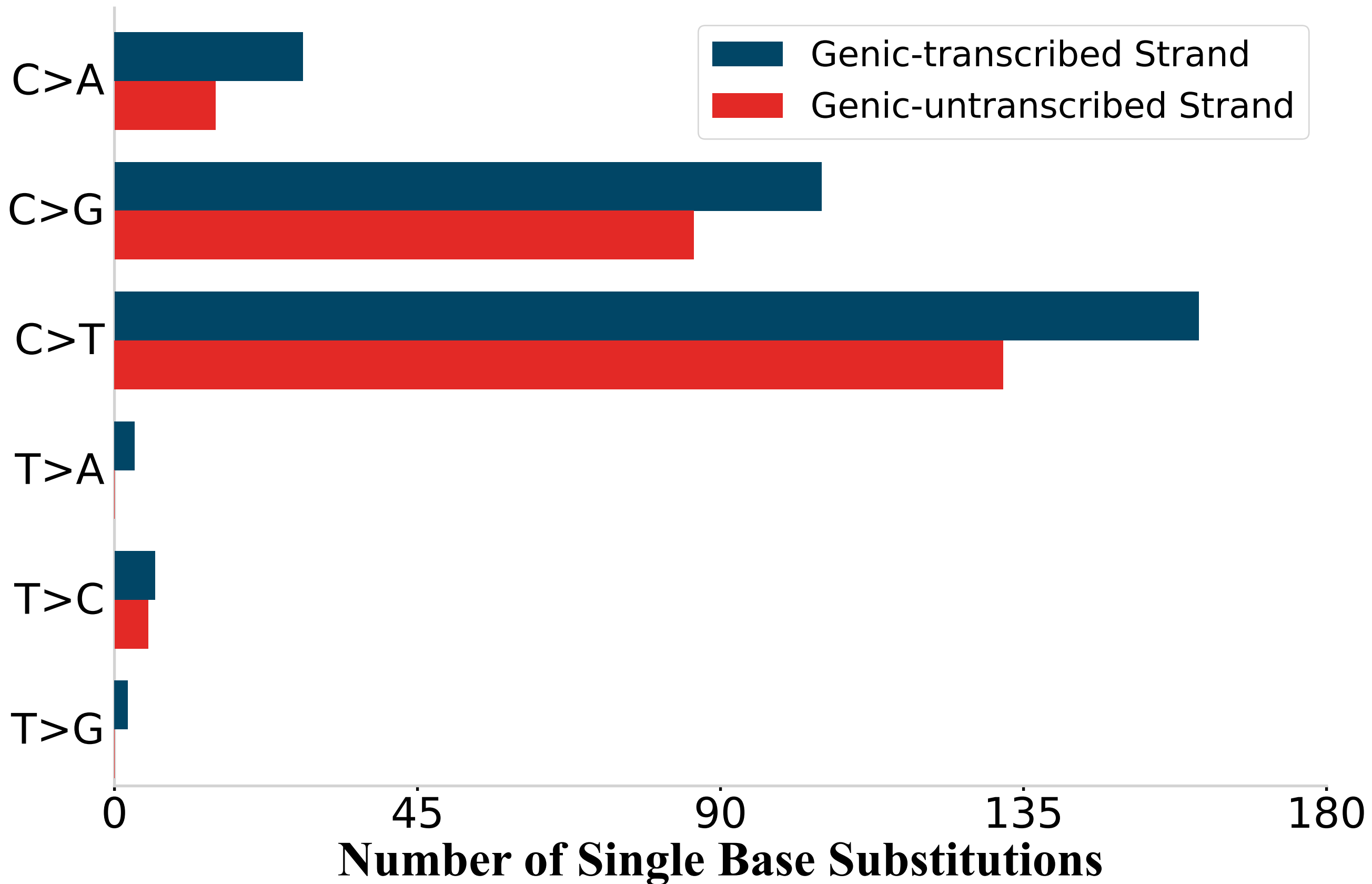
TCGA-XF-AAN0-01A-11D-A42E-08: 470 transcribed



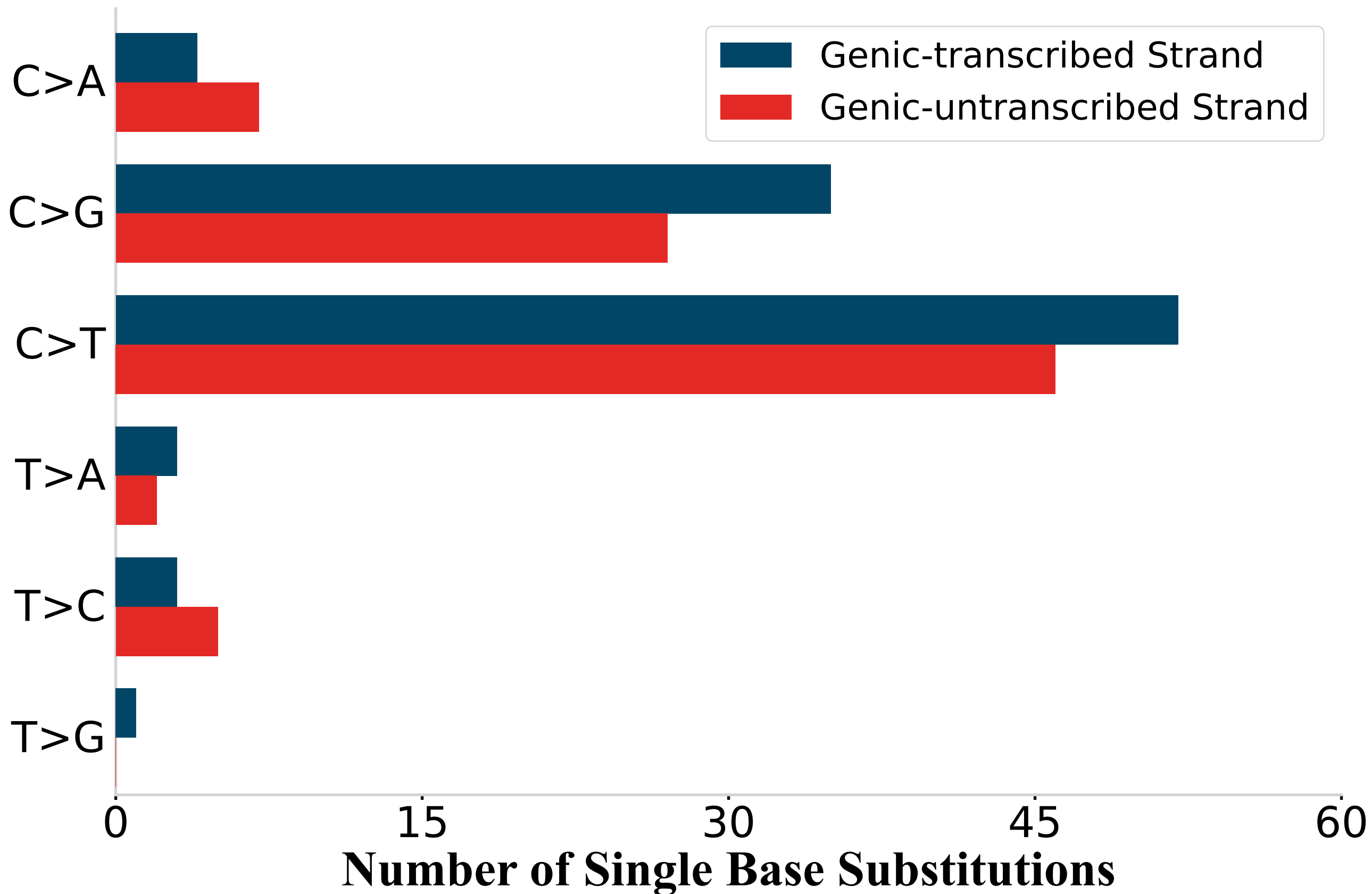
TCGA-XF-AAN1-01A-31D-A42E-08: 102 transcribed



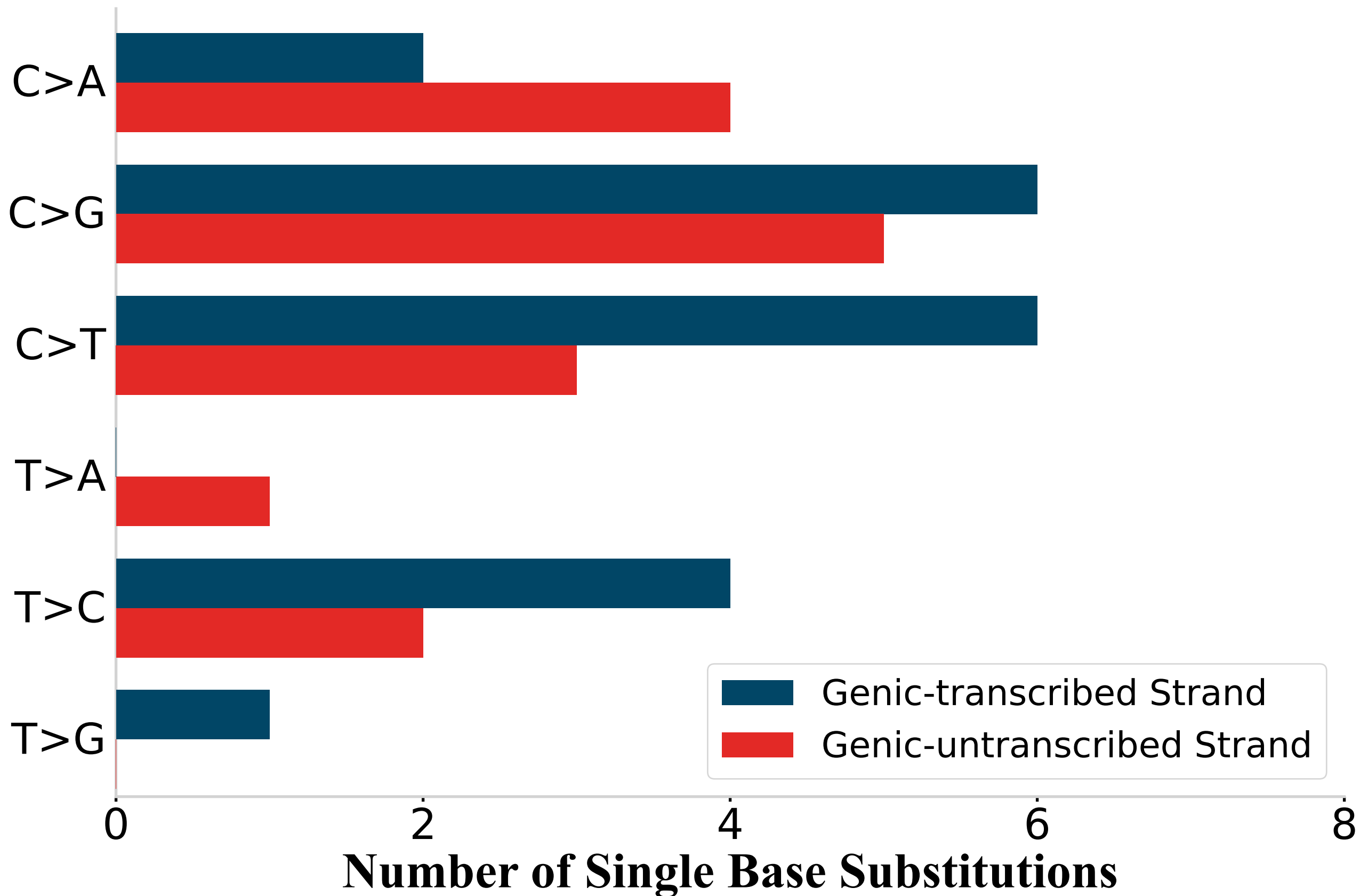
TCGA-XF-AAN2-01A-11D-A42E-08: 543 transcribed



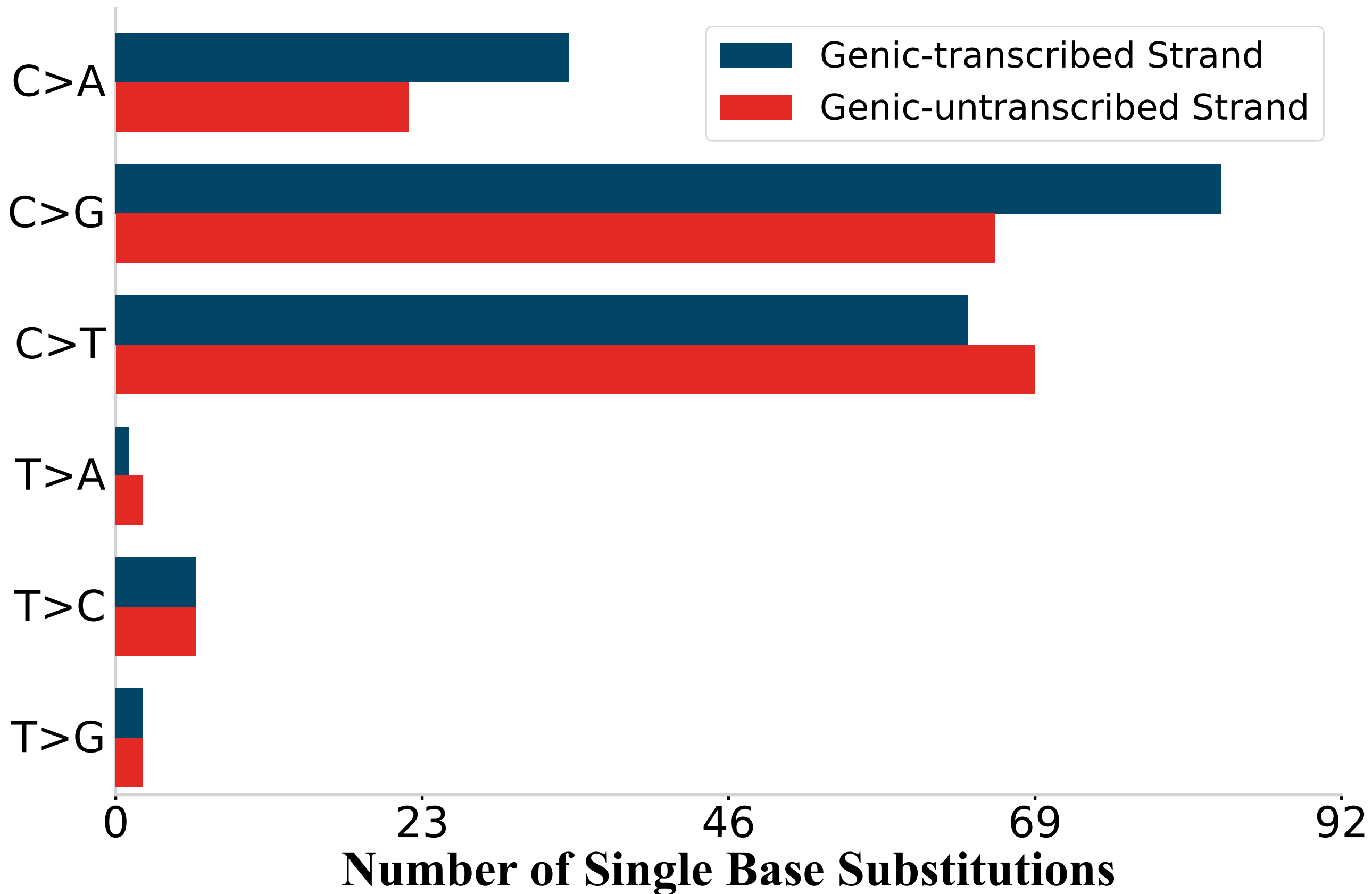
TCGA-XF-AAN3-01A-11D-A42E-08: 185 transcribed



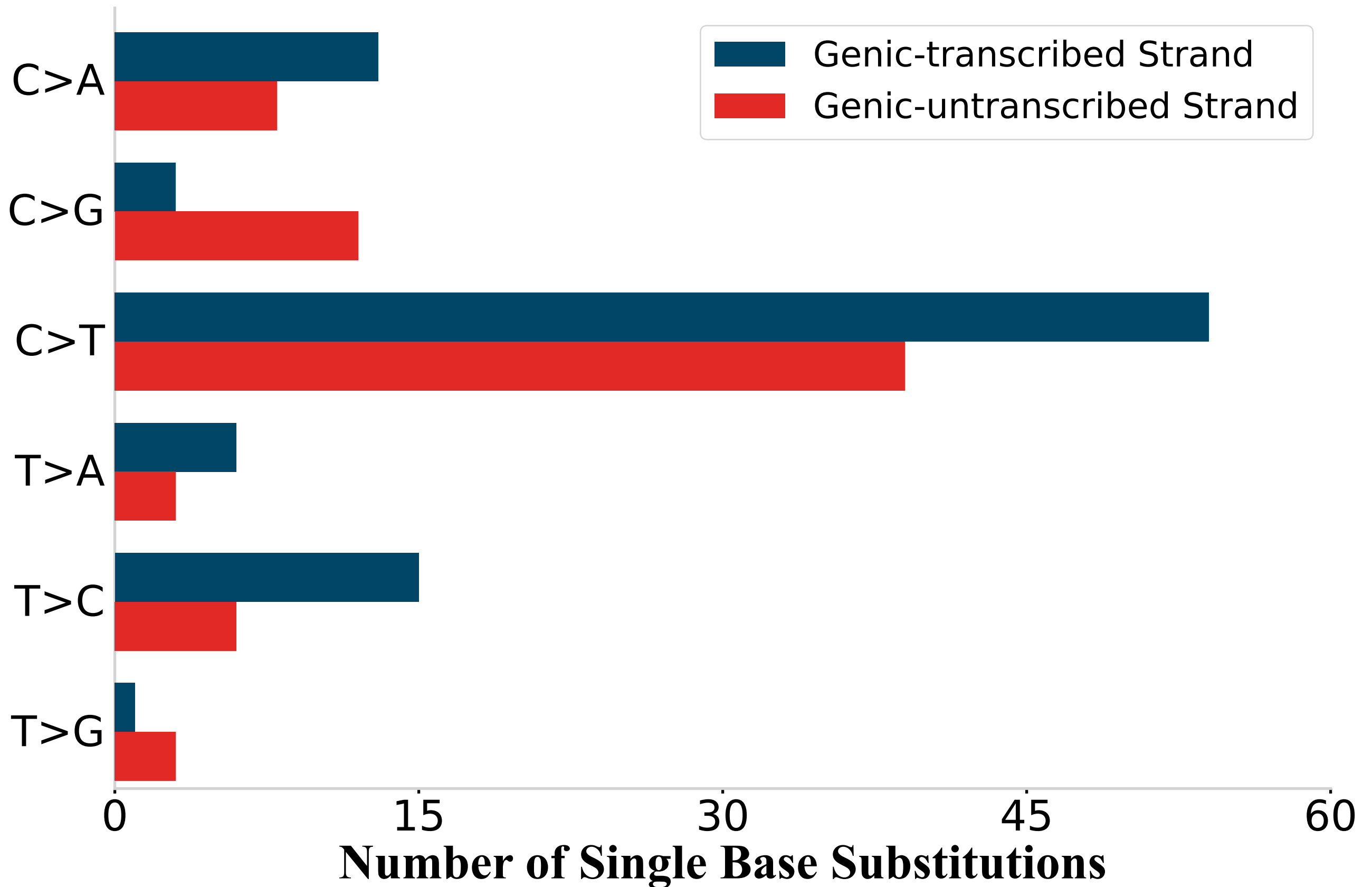
TCGA-XF-AAN4-01A-11D-A42E-08: 34 transcribed



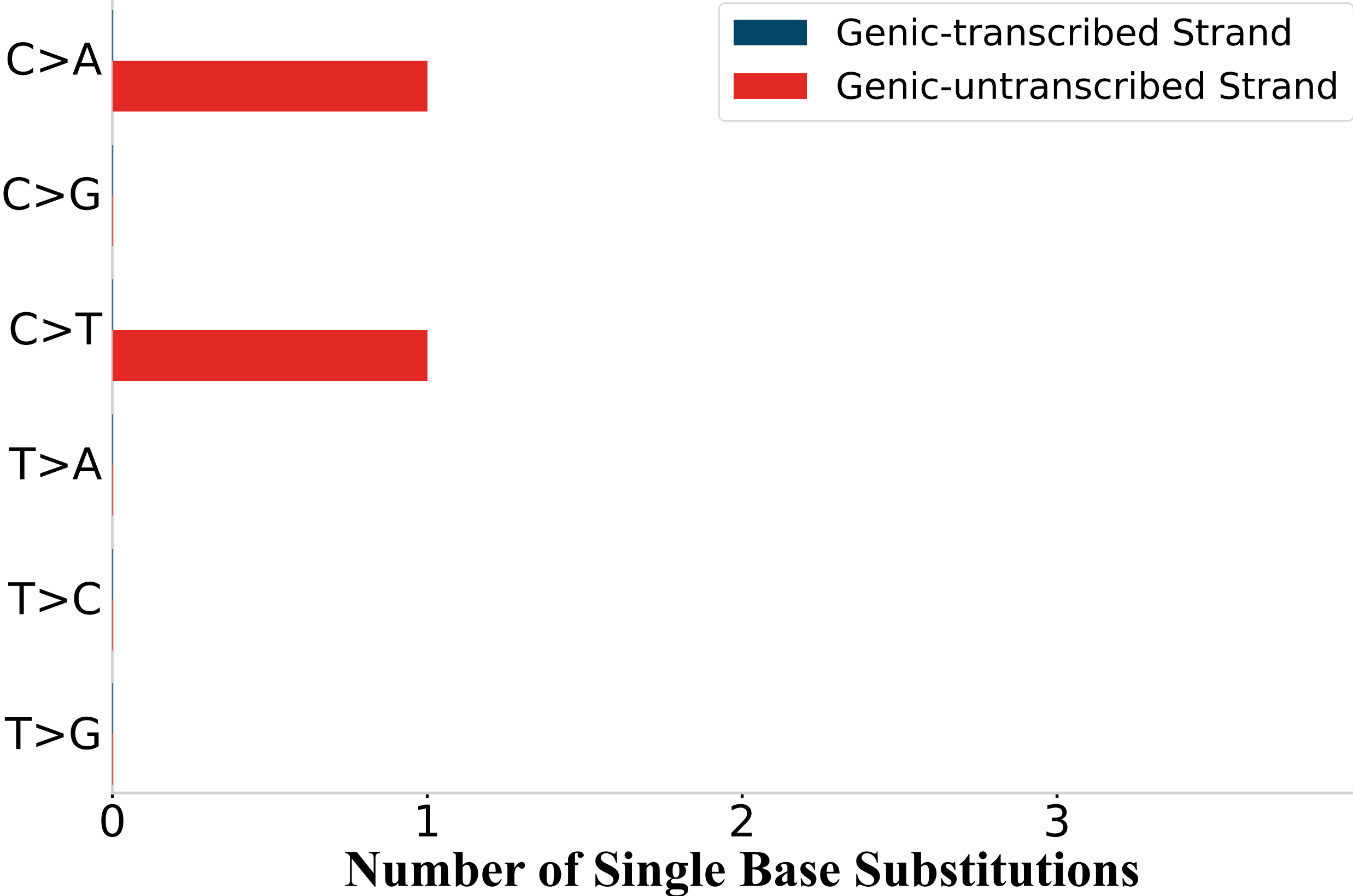
TCGA-XF-AAN5-01A-11D-A42E-08: 357 transcribed



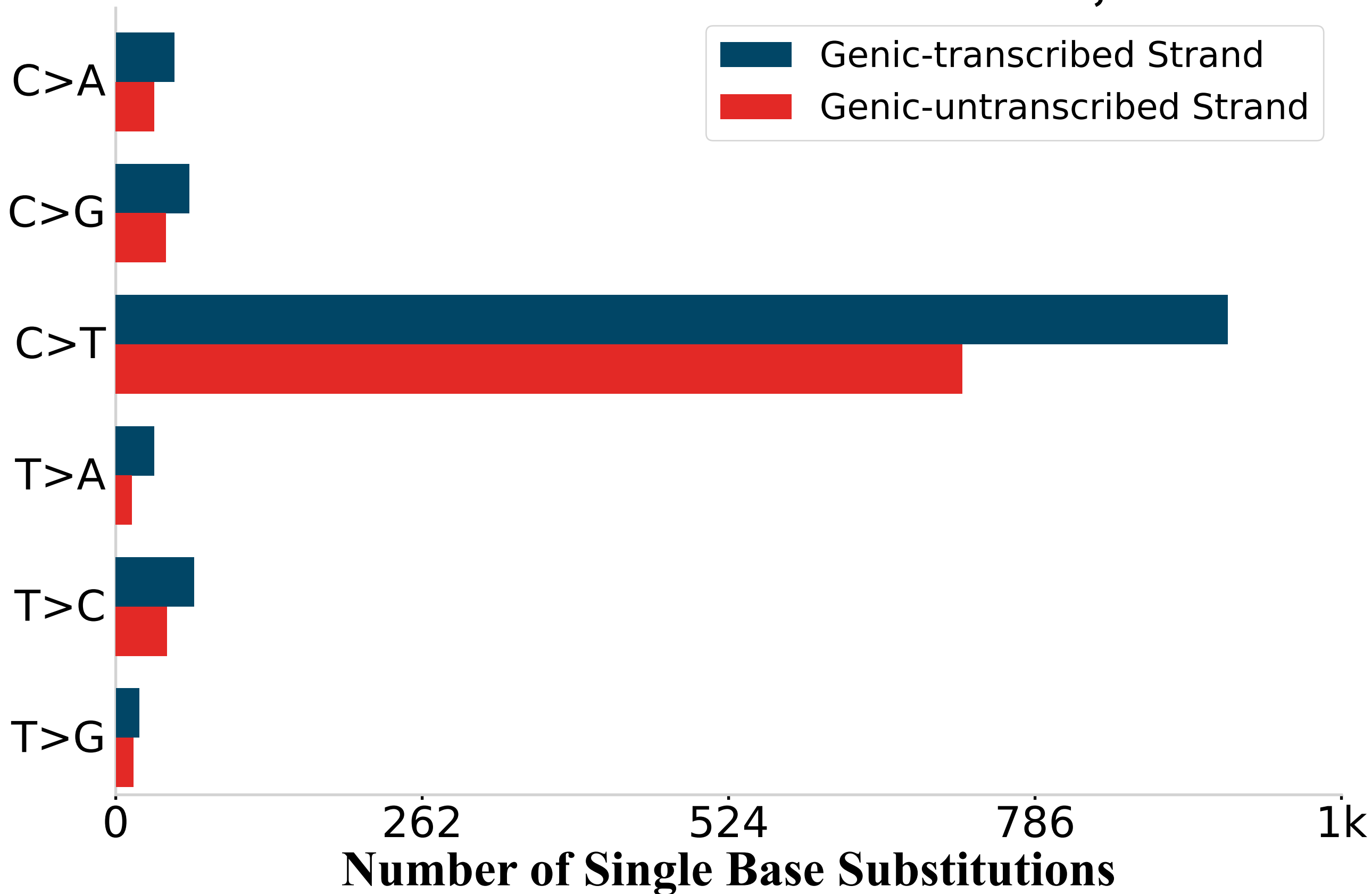
TCGA-XF-AAN7-01A-11D-A42E-08: 163 transcribed



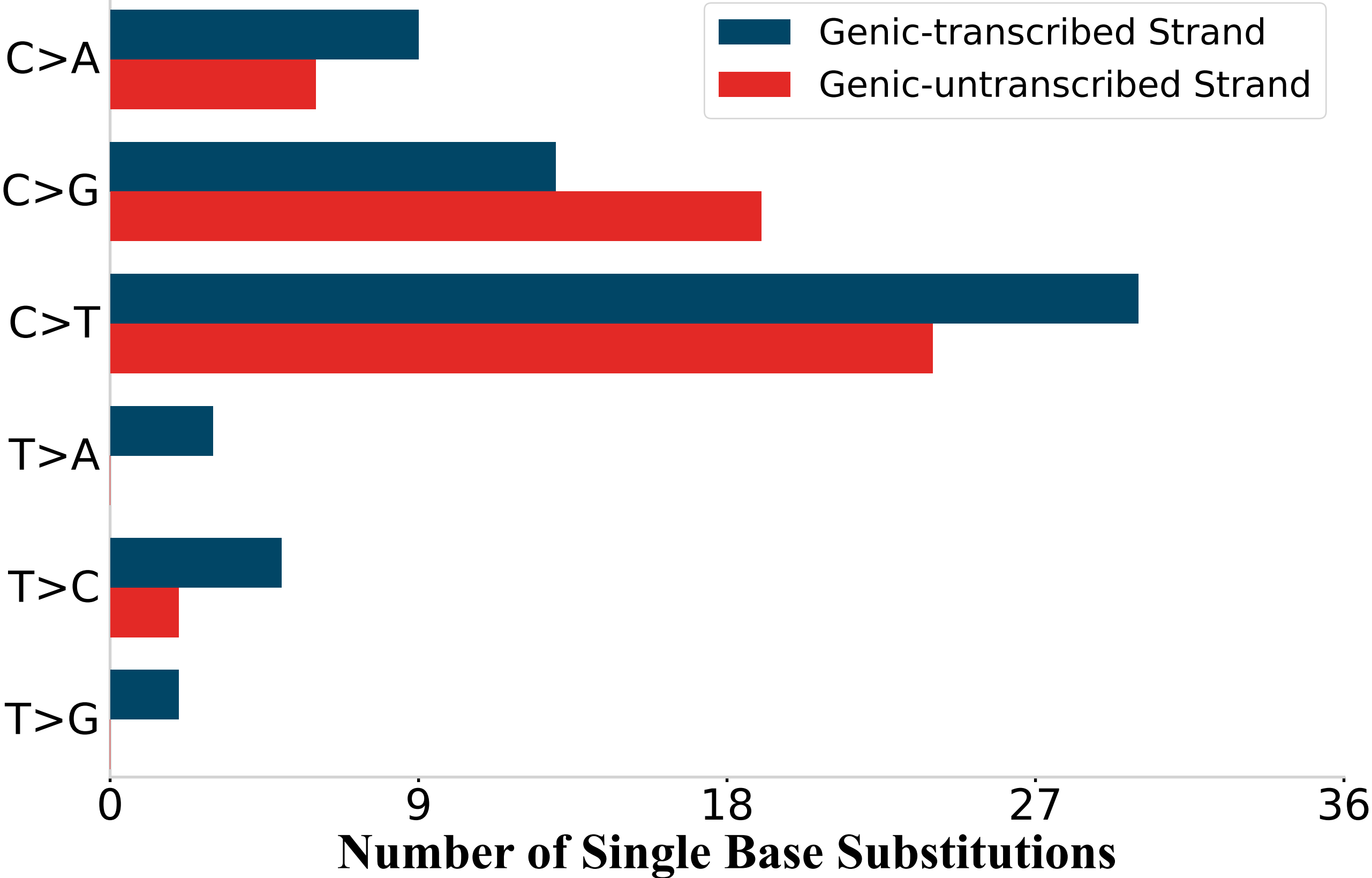
TCGA-XF-AAN8-01A-11D-A42E-08: 2 transcribed s



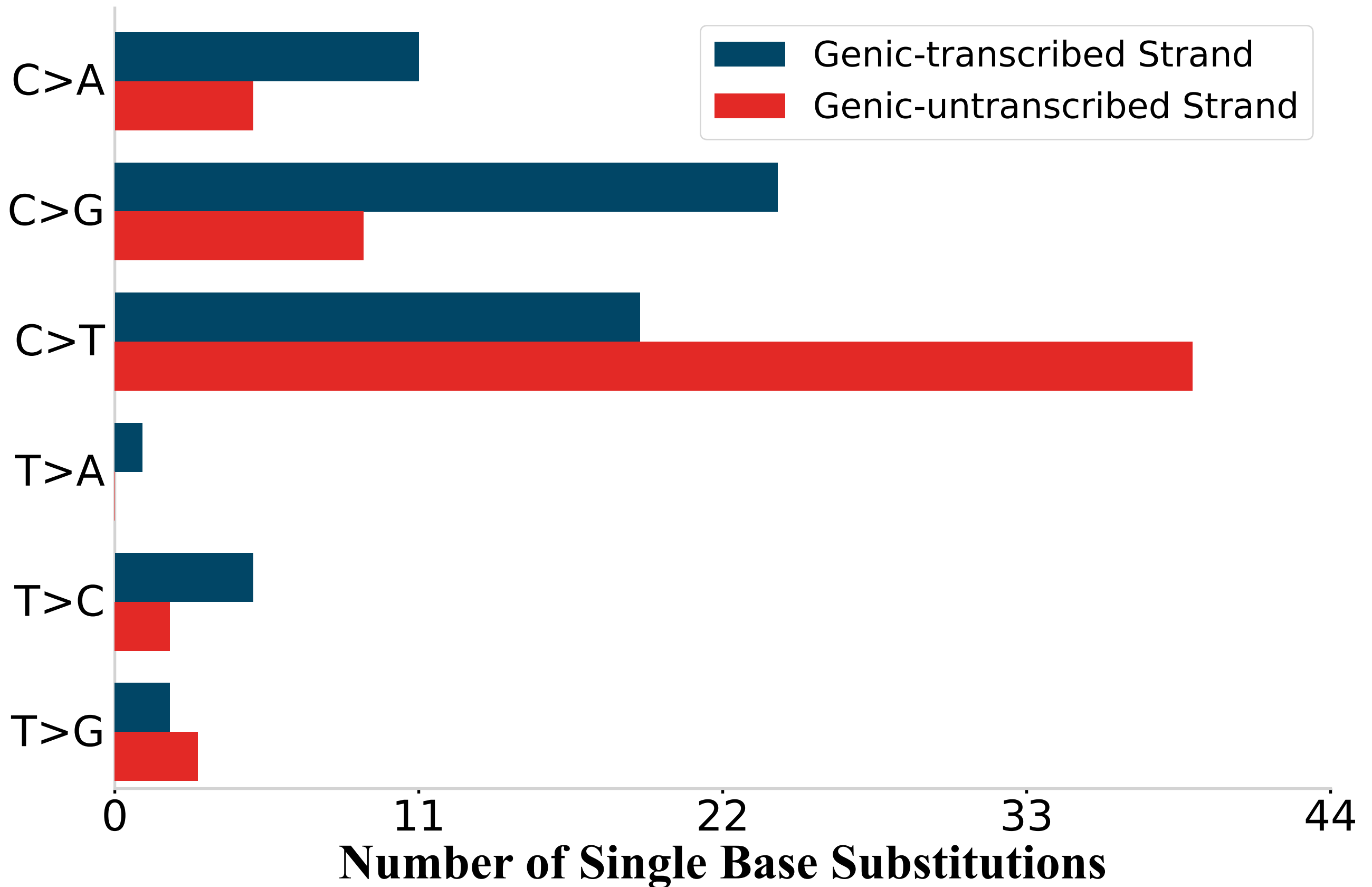
TCGA-YC-A89H-01A-11D-A364-08: 2,057 transcribed



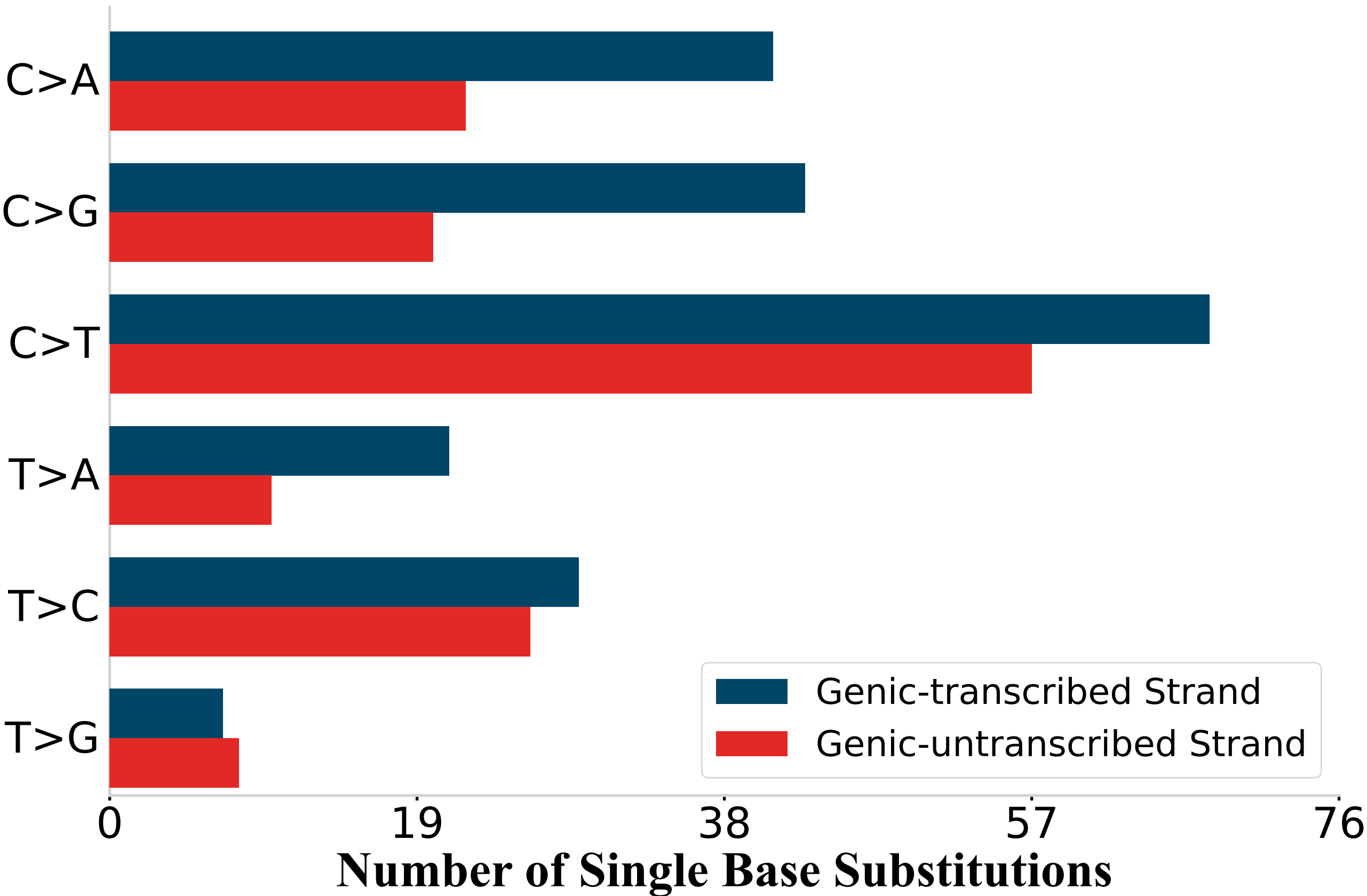
TCGA-YC-A8S6-01A-31D-A38G-08: 113 transcribed



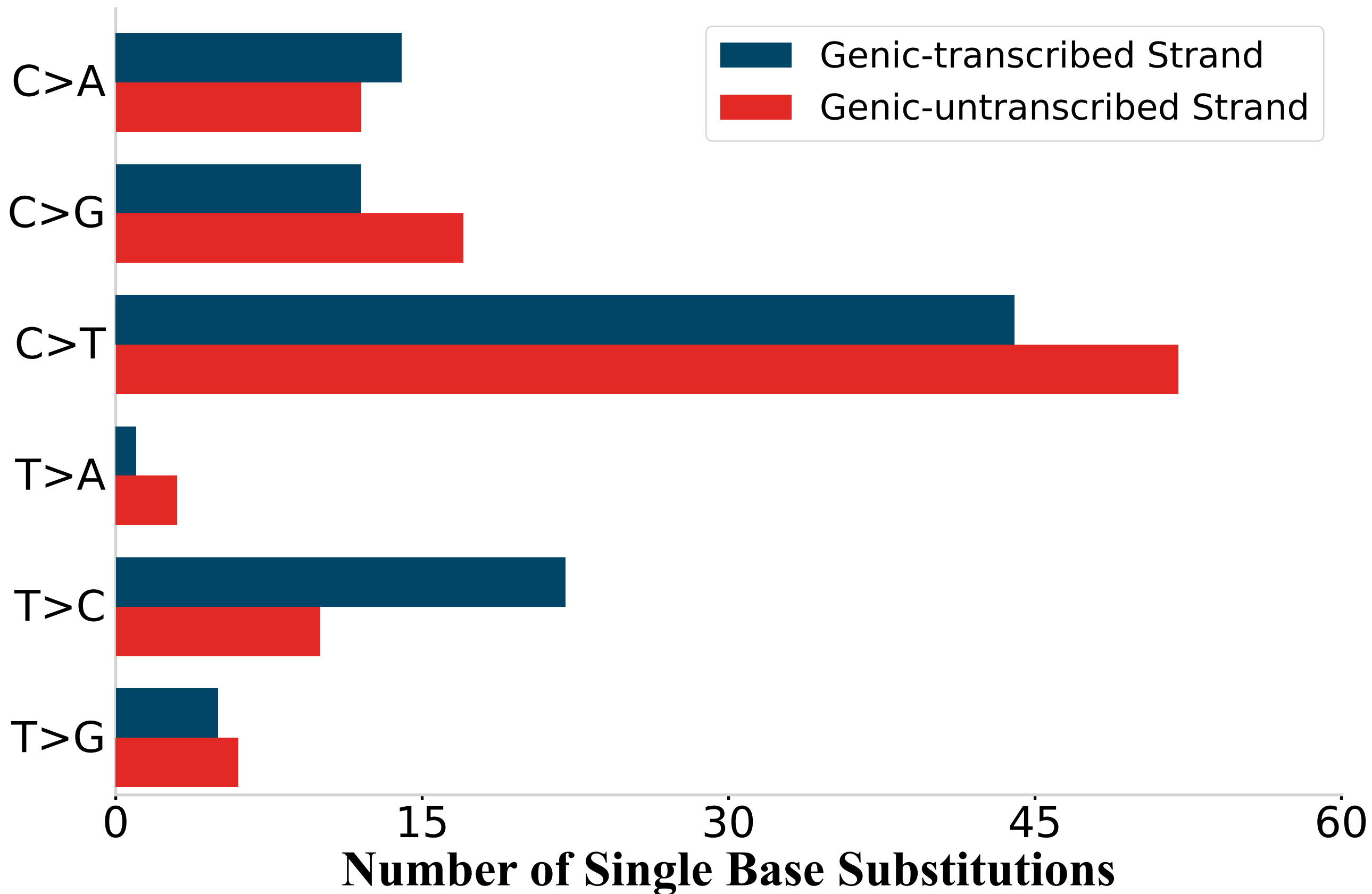
TCGA-YC-A9TC-01A-22D-A391-08: 120 transcribed



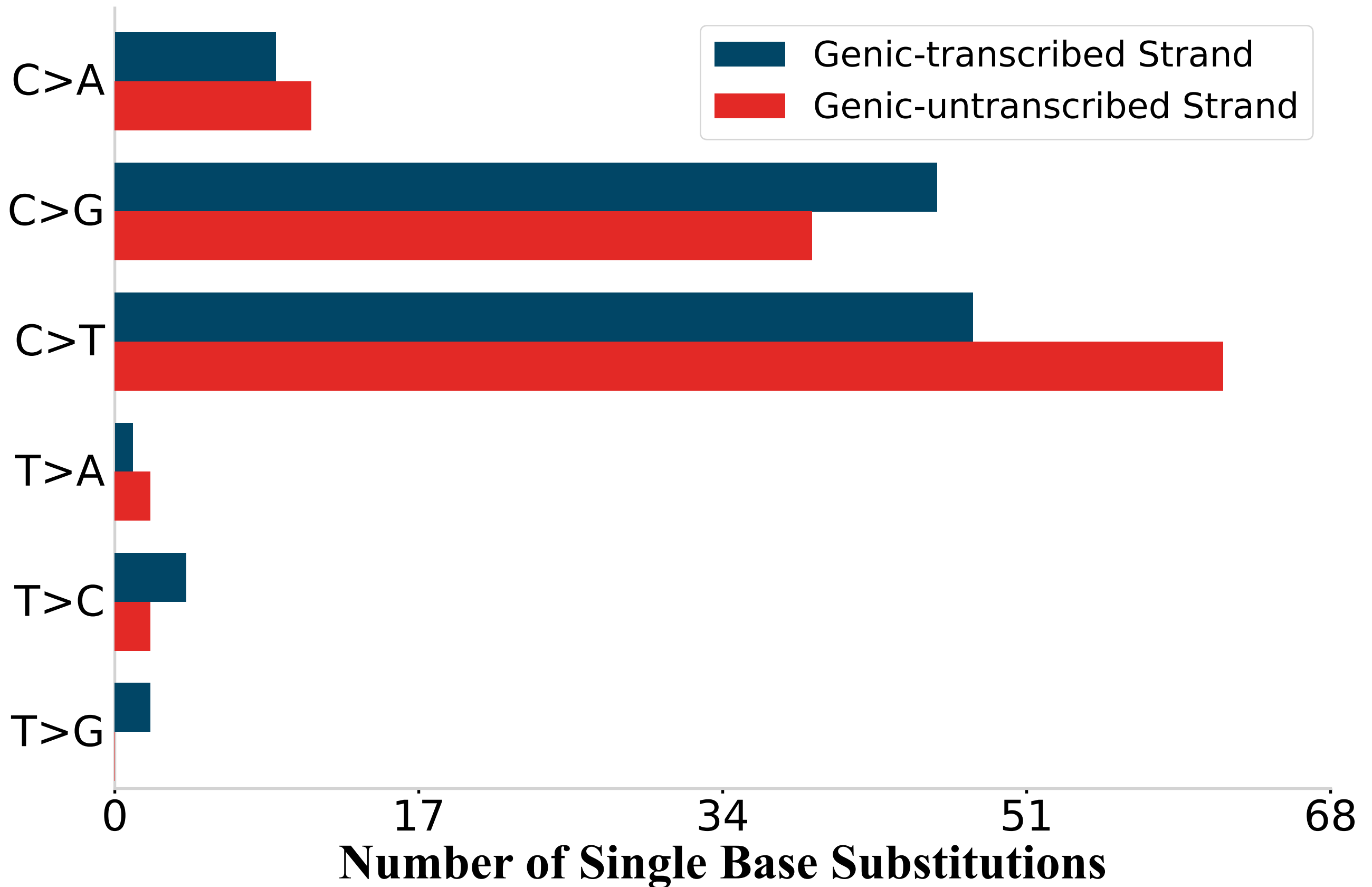
TCGA-YF-AA3L-01A-11D-A38G-08: 352 transcribed



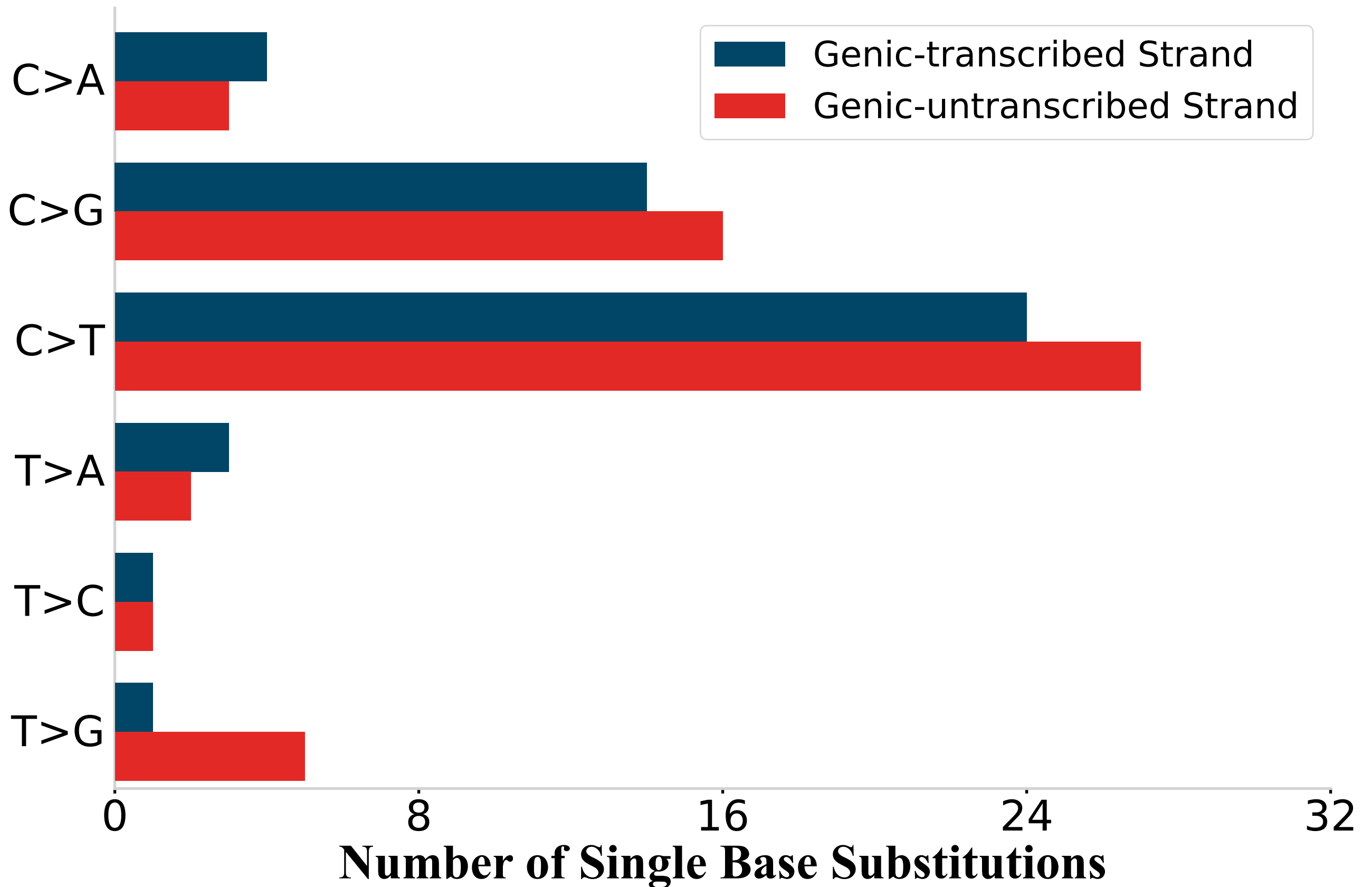
TCGA-YF-AA3M-01A-11D-A42E-08: 198 transcribed



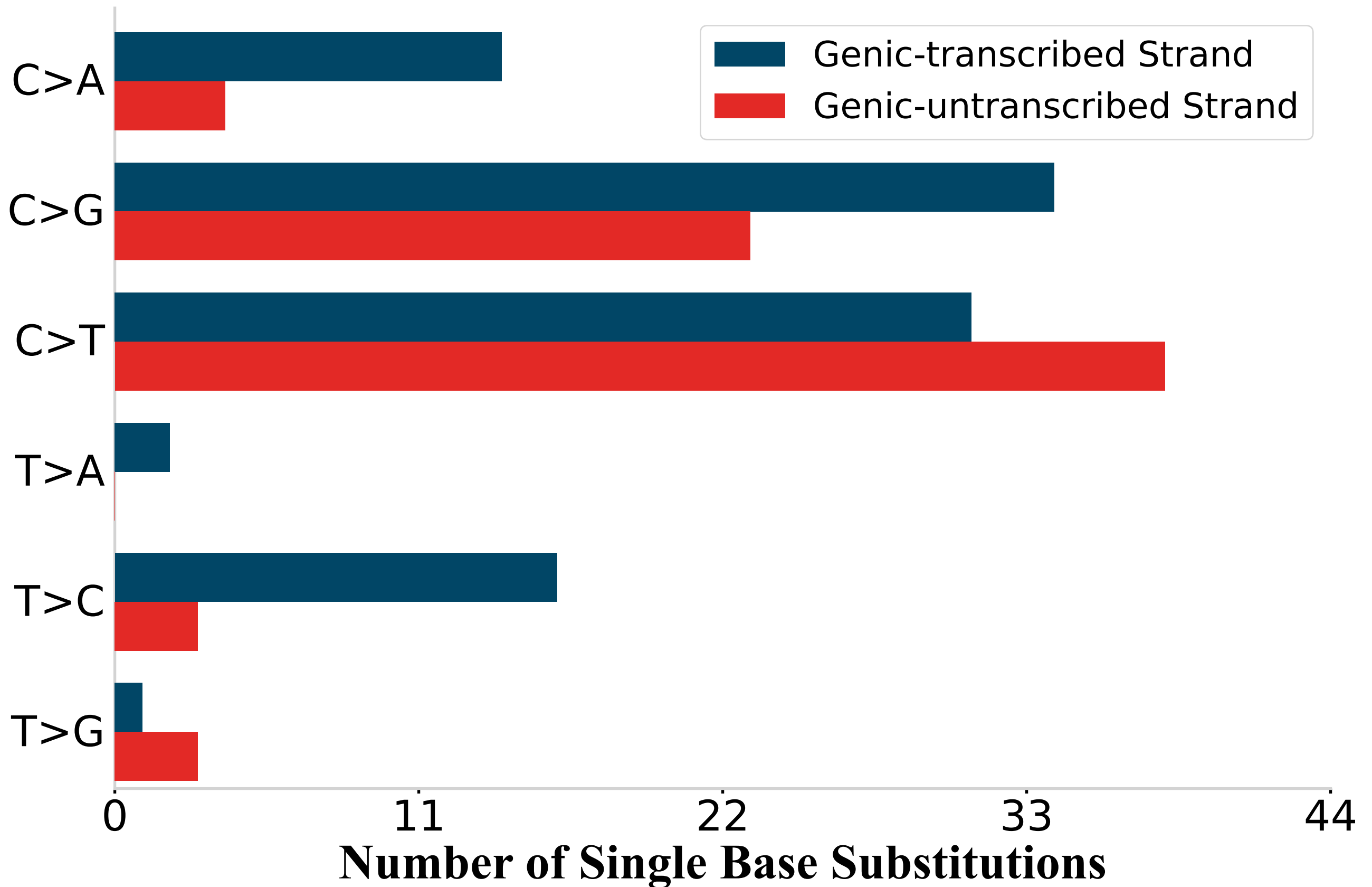
TCGA-ZF-A9R0-01A-11D-A38G-08: 226 transcribed



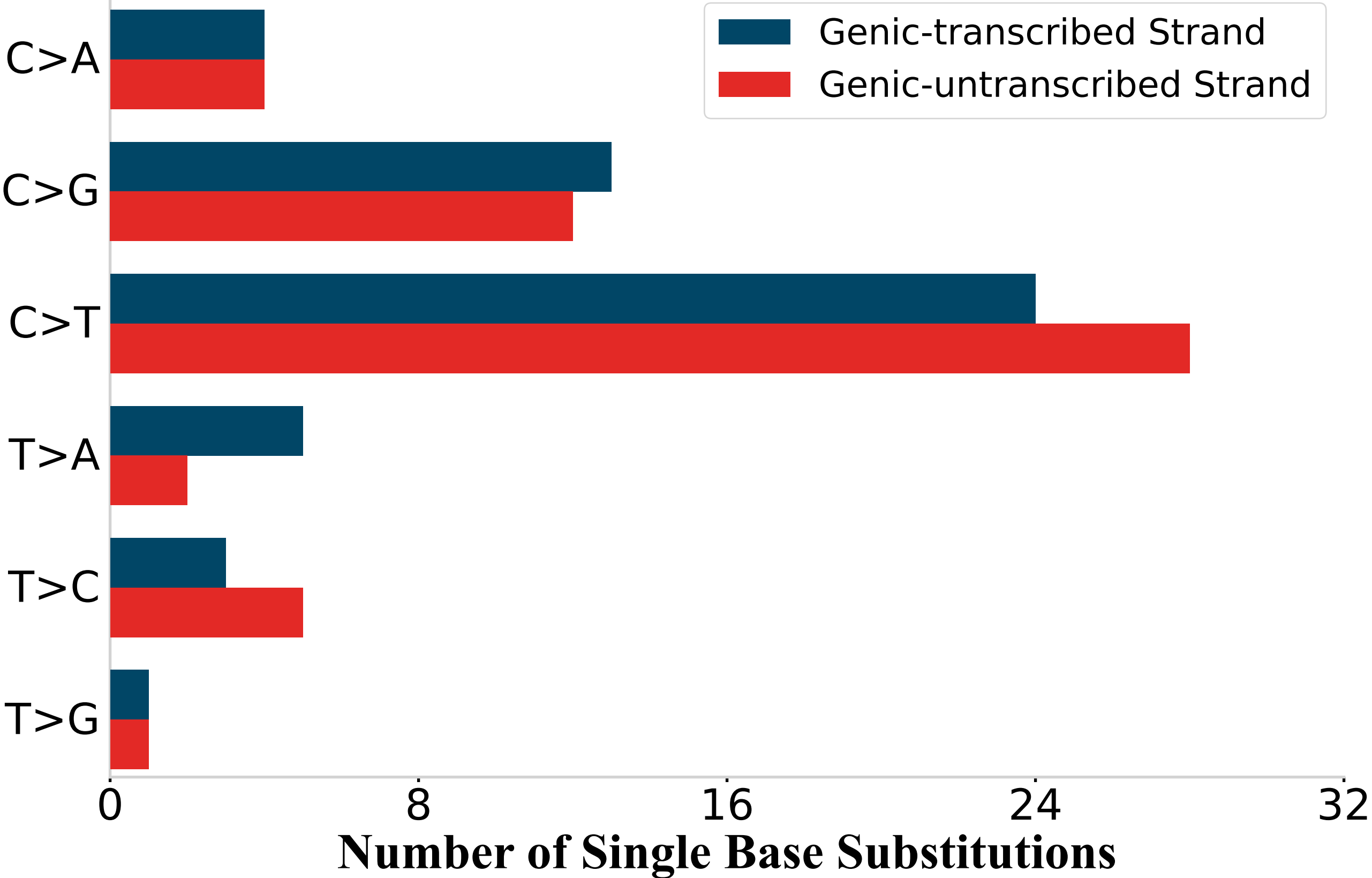
TCGA-ZF-A9R1-01A-11D-A391-08: 101 transcribed



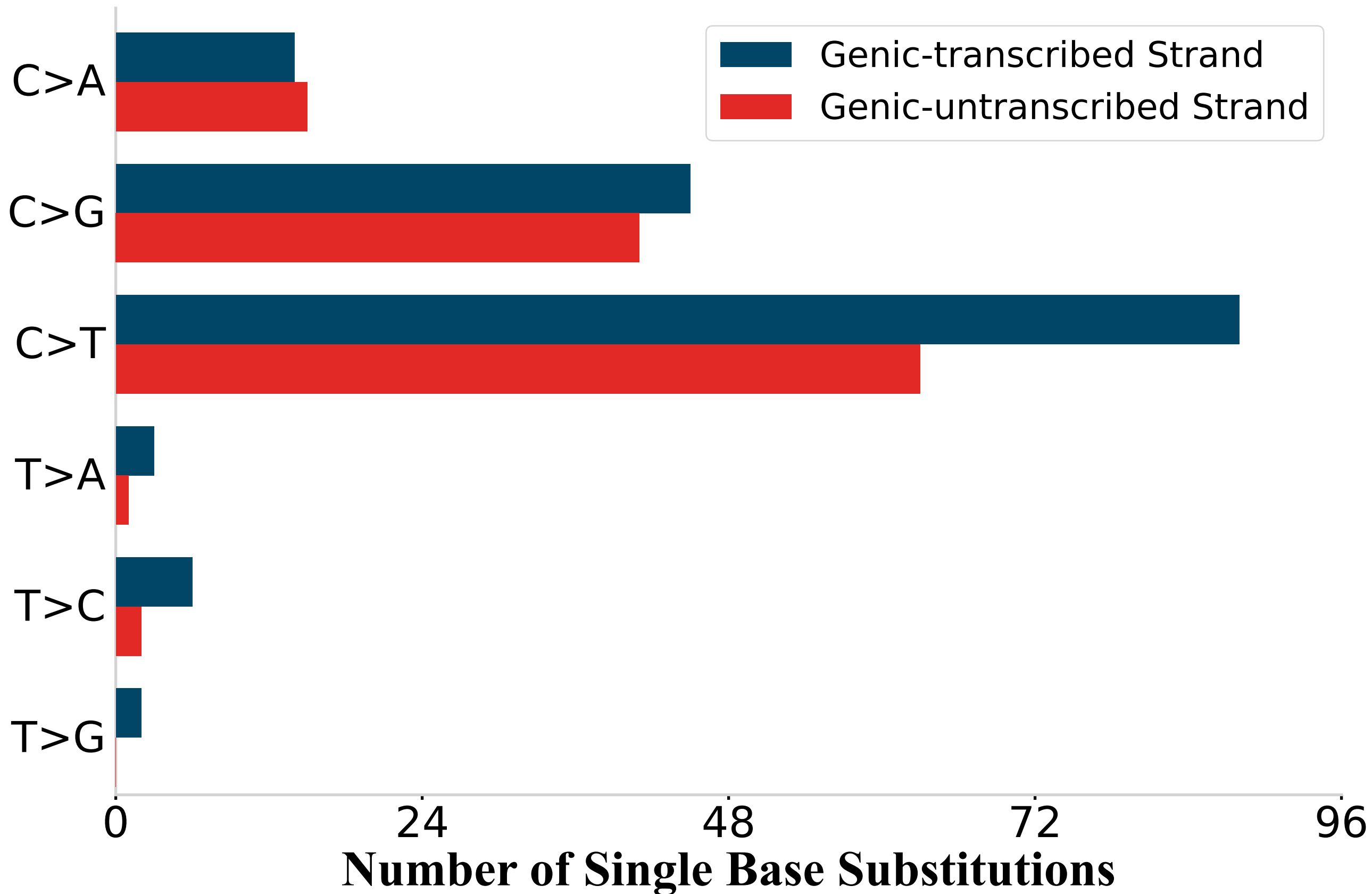
TCGA-ZF-A9R2-01A-11D-A391-08: 169 transcribed



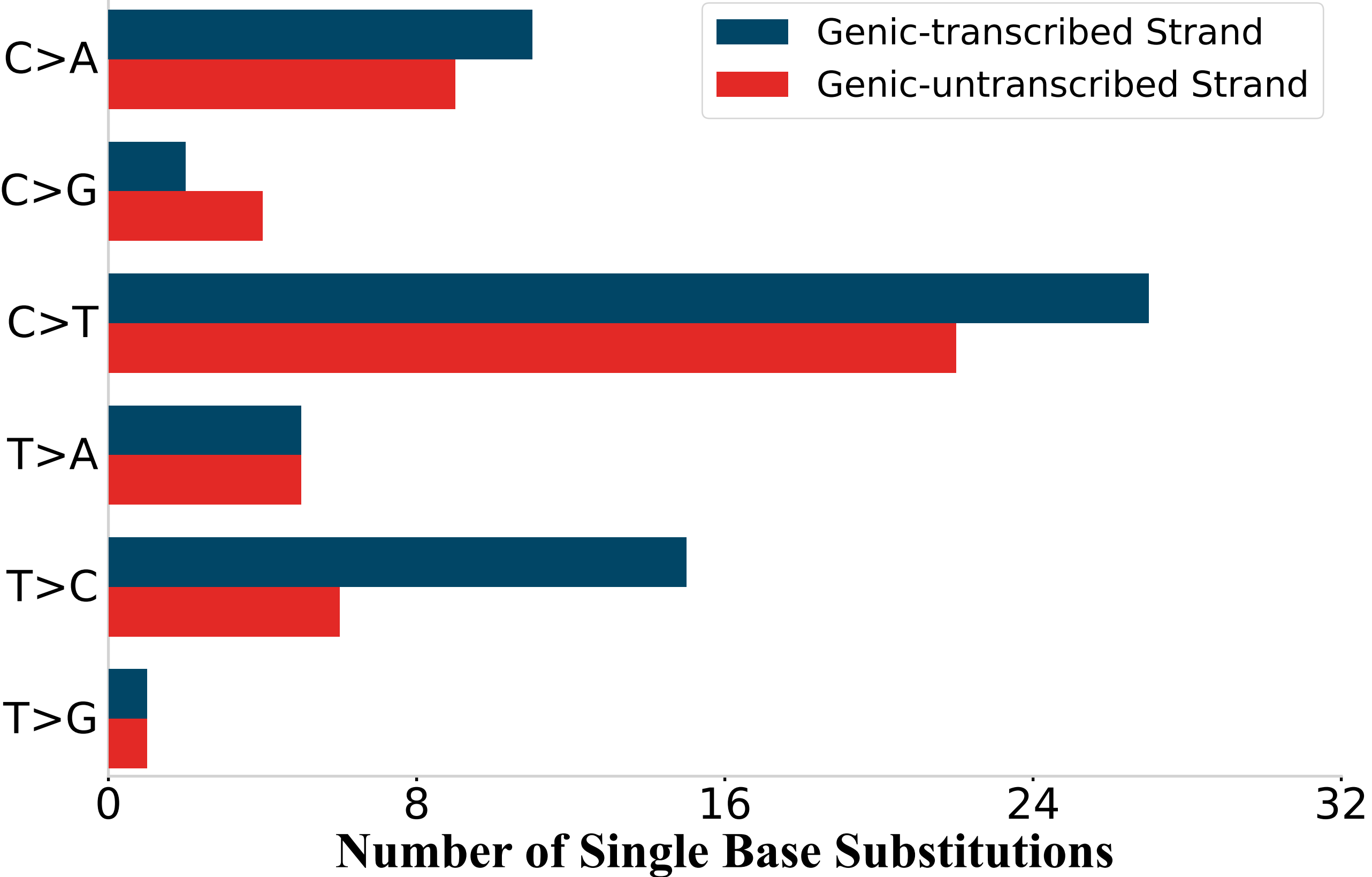
TCGA-ZF-A9R3-01A-11D-A38G-08: 102 transcribed



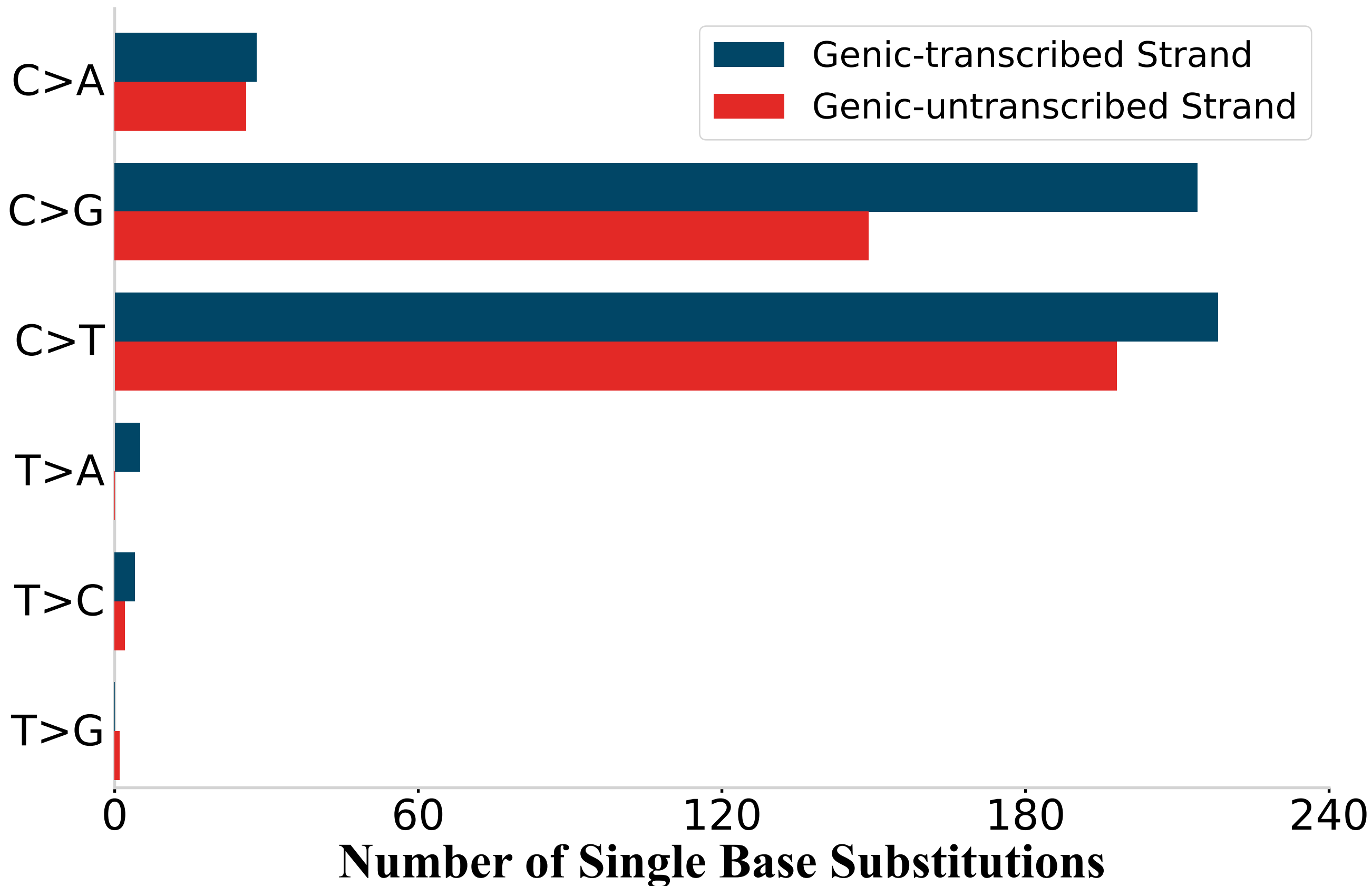
TCGA-ZF-A9R4-01A-11D-A38G-08: 280 transcribed



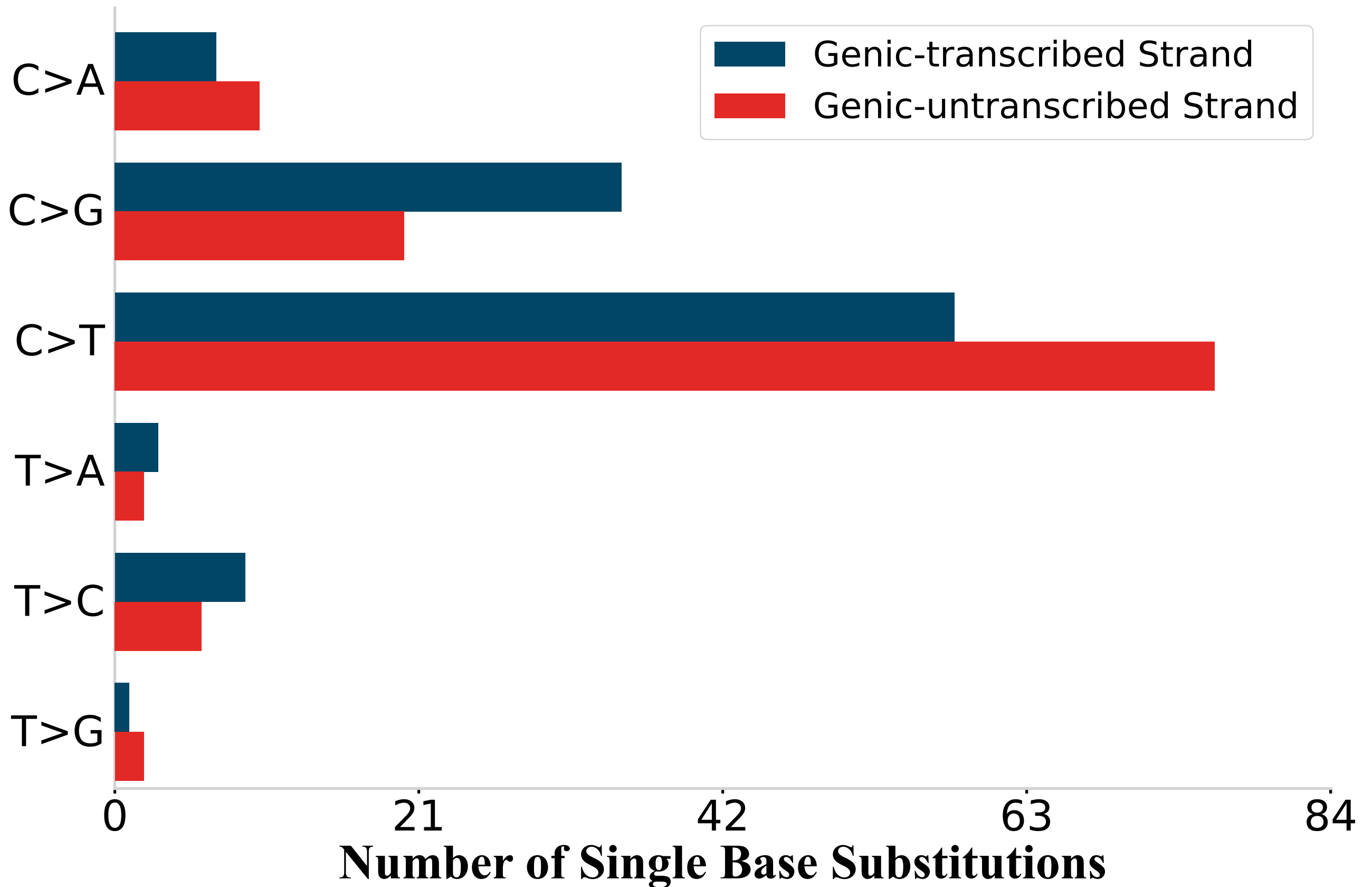
TCGA-ZF-A9R5-01A-12D-A42E-08: 108 transcribed



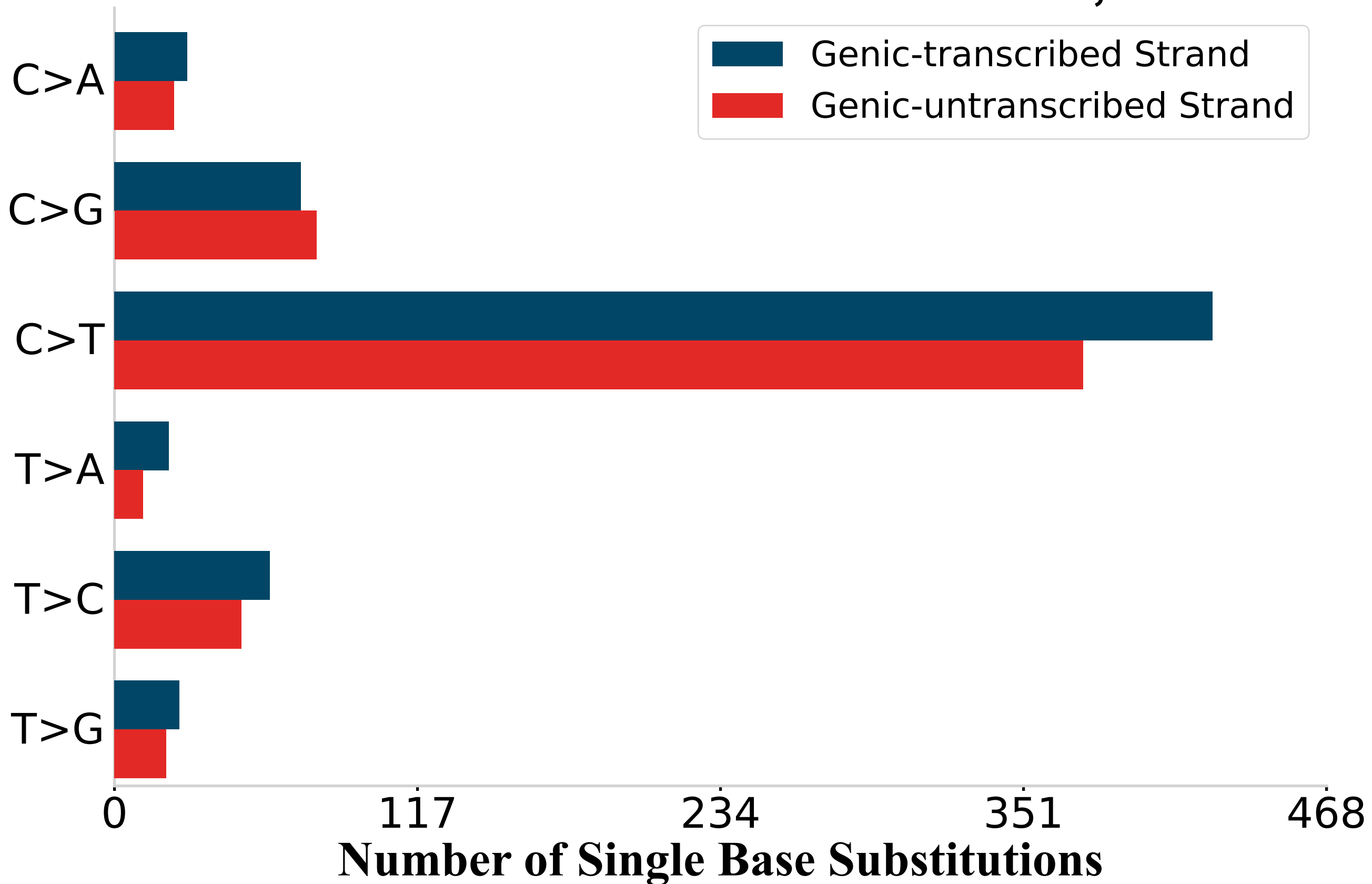
TCGA-ZF-A9R7-01A-11D-A38G-08: 845 transcribed



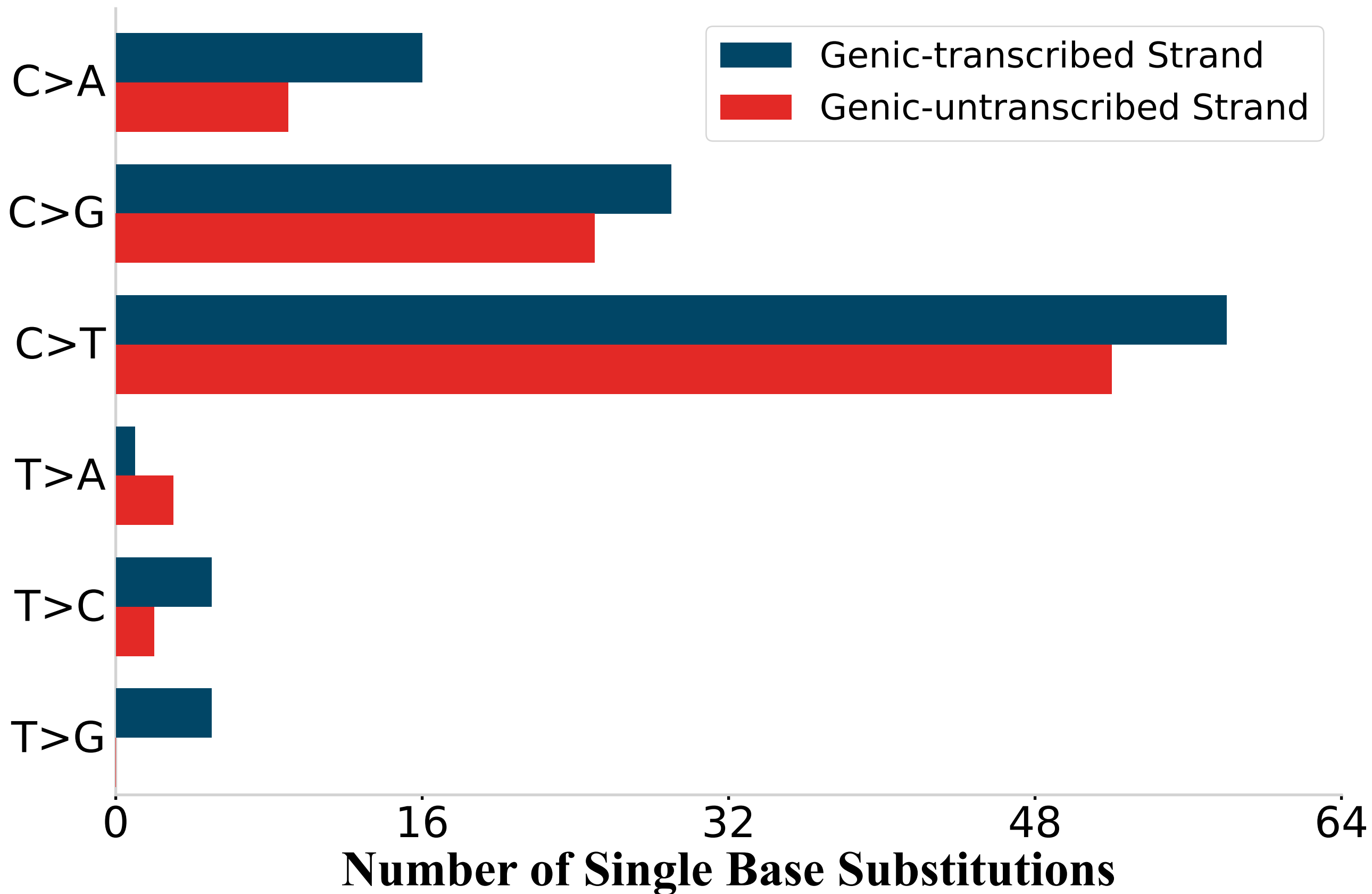
TCGA-ZF-A9R9-01A-11D-A38G-08: 229 transcribed



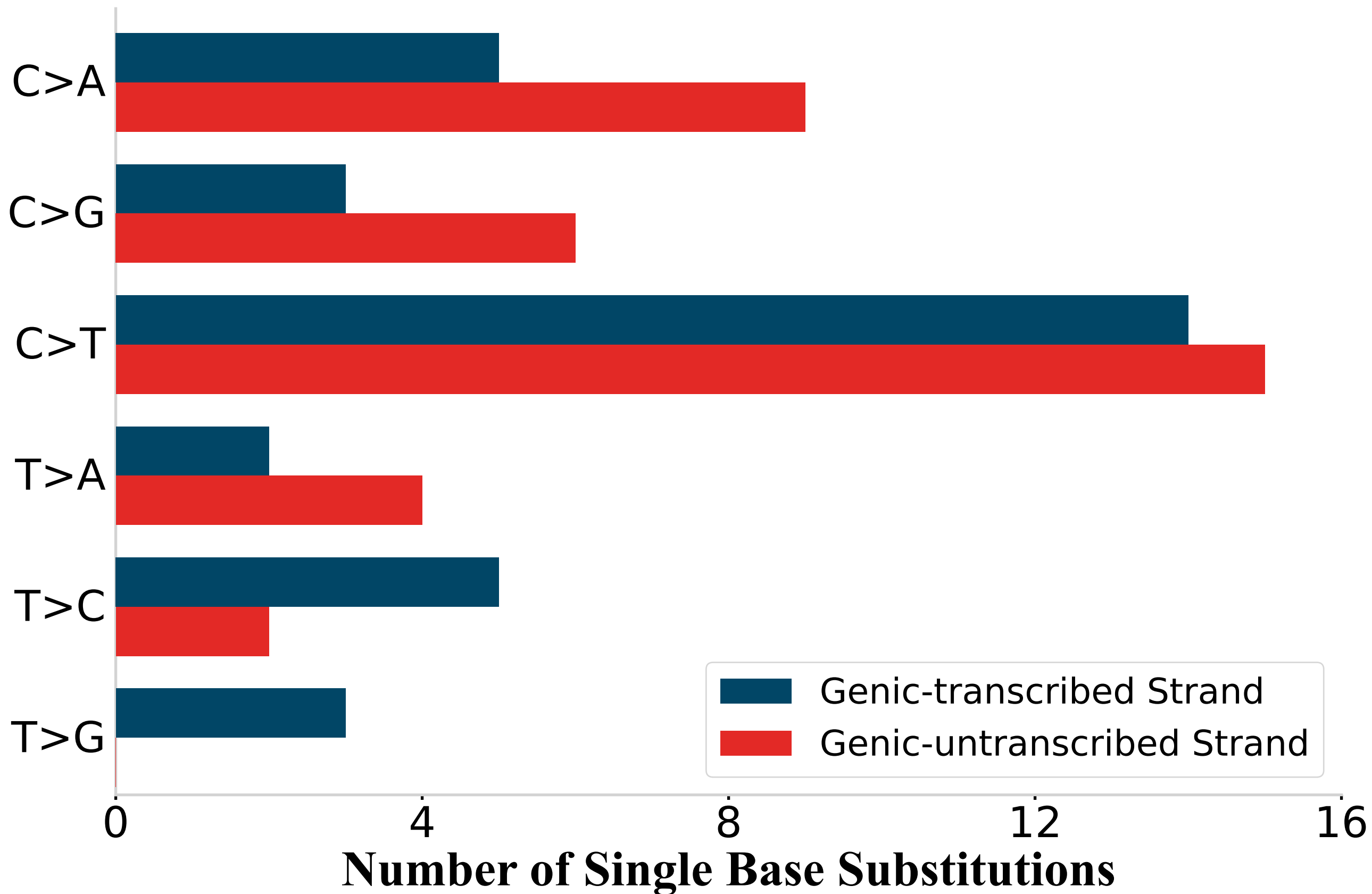
TCGA-ZF-A9RC-01A-11D-A38G-08: 1,185 transcribed



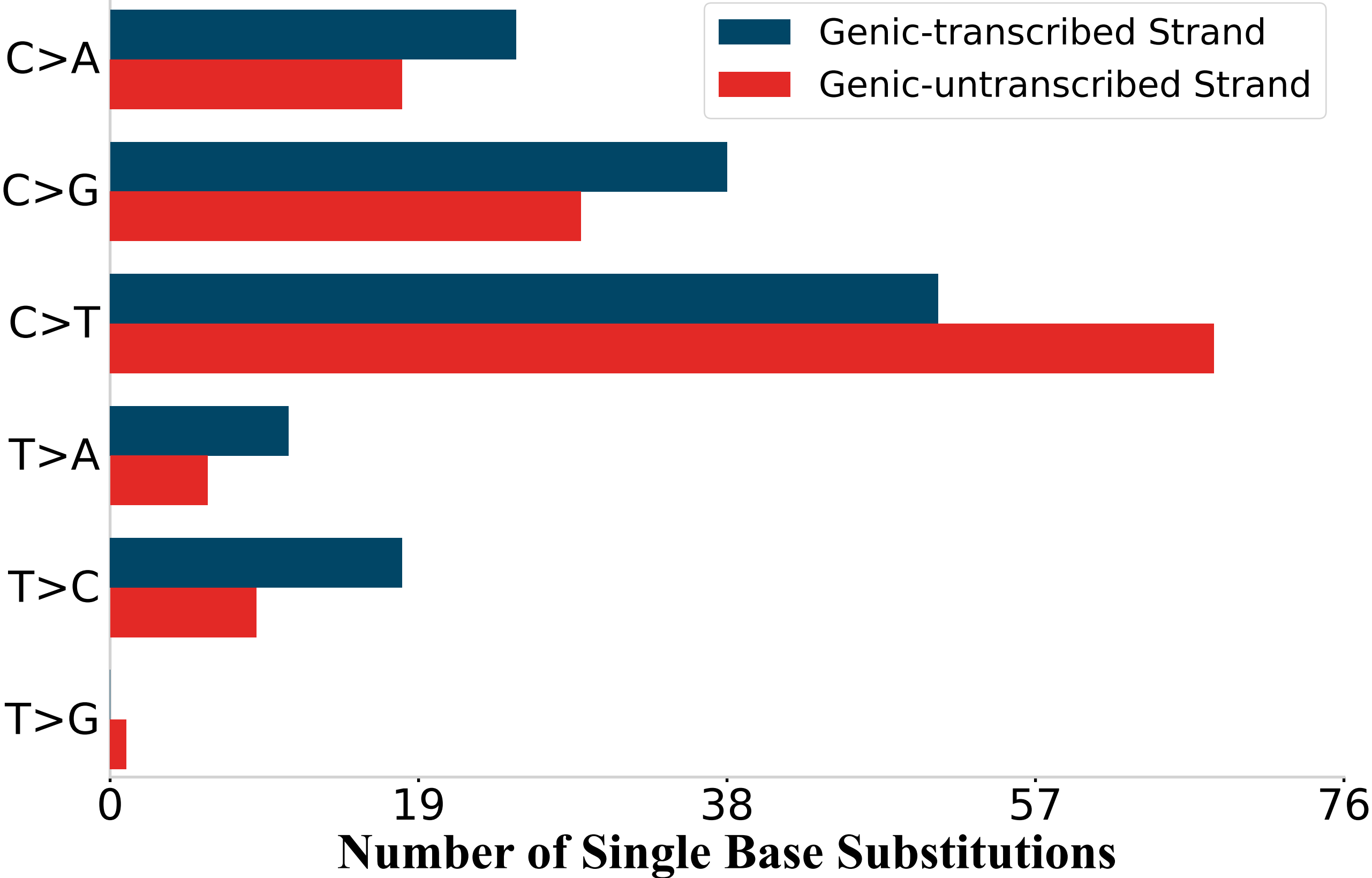
TCGA-ZF-A9RD-01A-11D-A42E-08: 205 transcribed



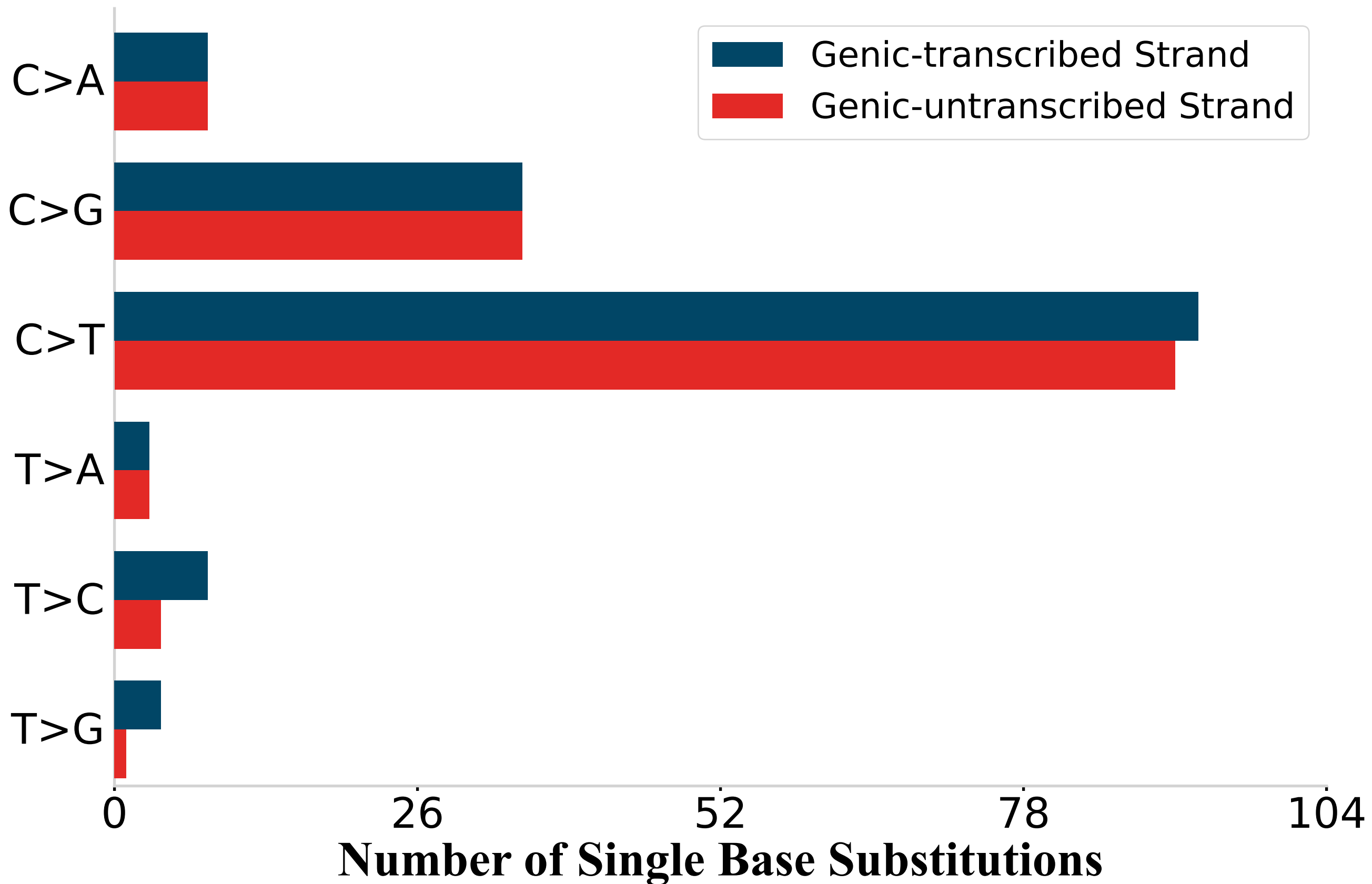
TCGA-ZF-A9RE-01A-11D-A38G-08: 68 transcribed



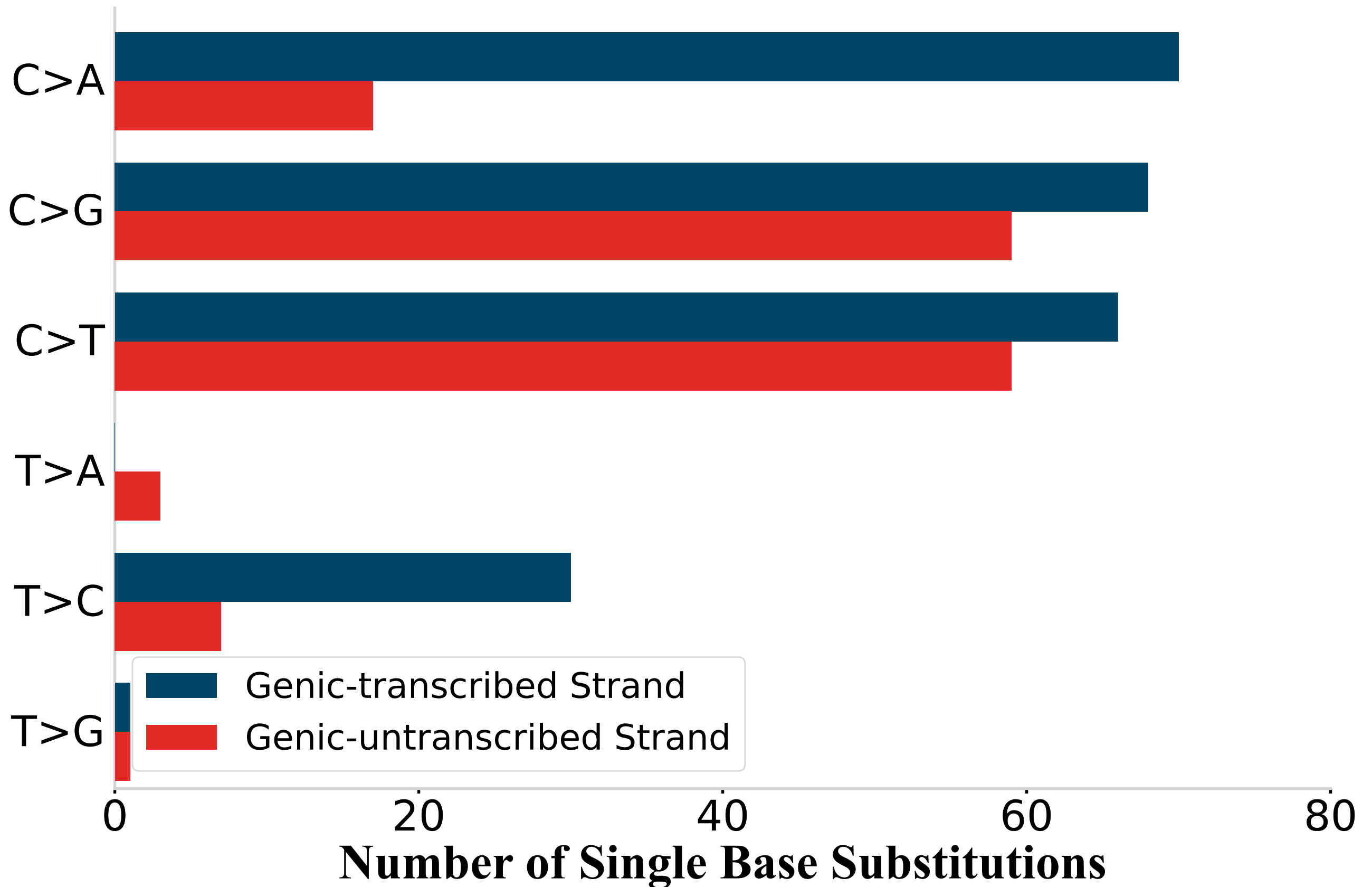
TCGA-ZF-A9RF-01A-11D-A38G-08: 274 transcribed



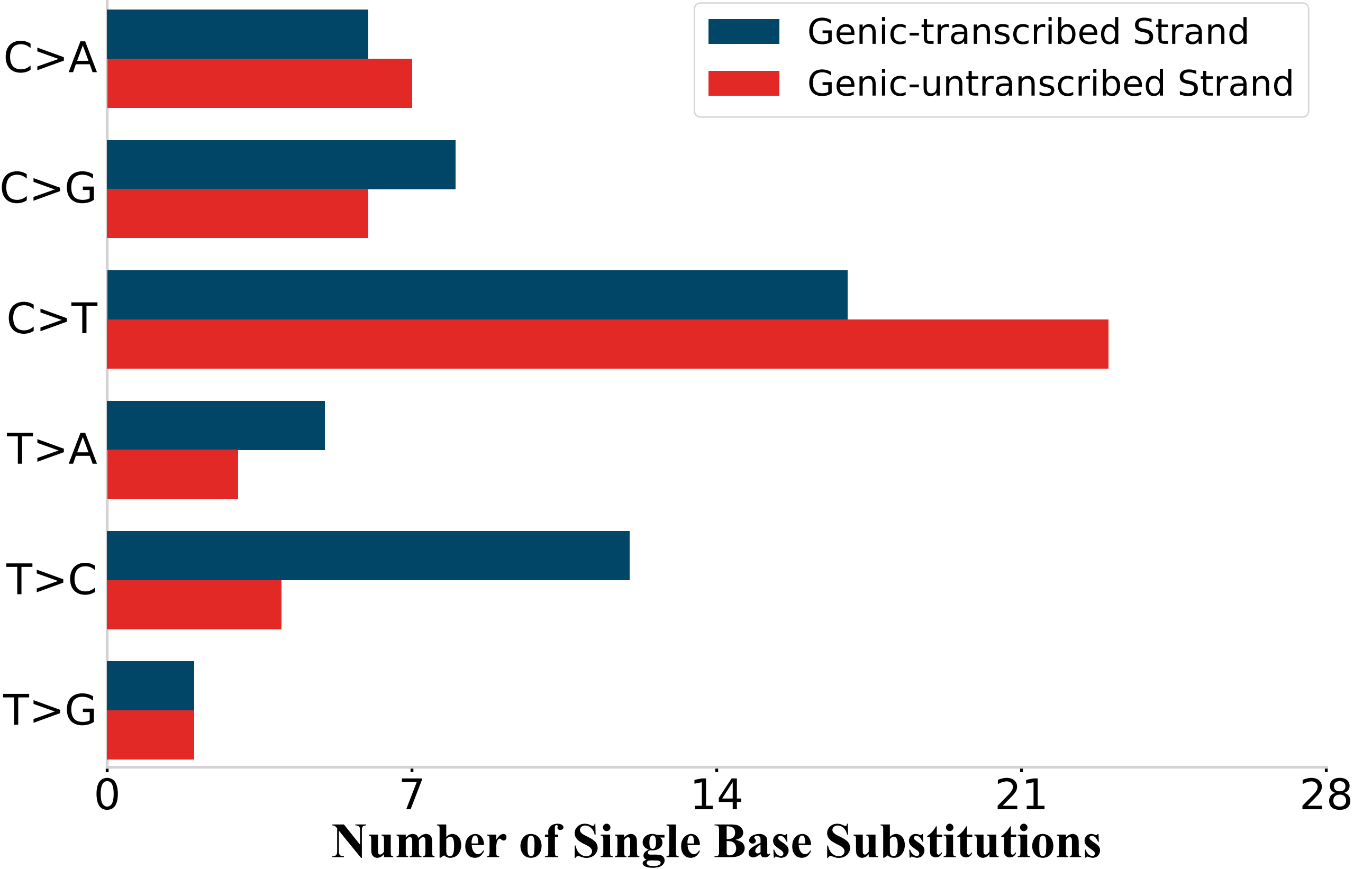
TCGA-ZF-A9RG-01A-21D-A42E-08: 293 transcribed



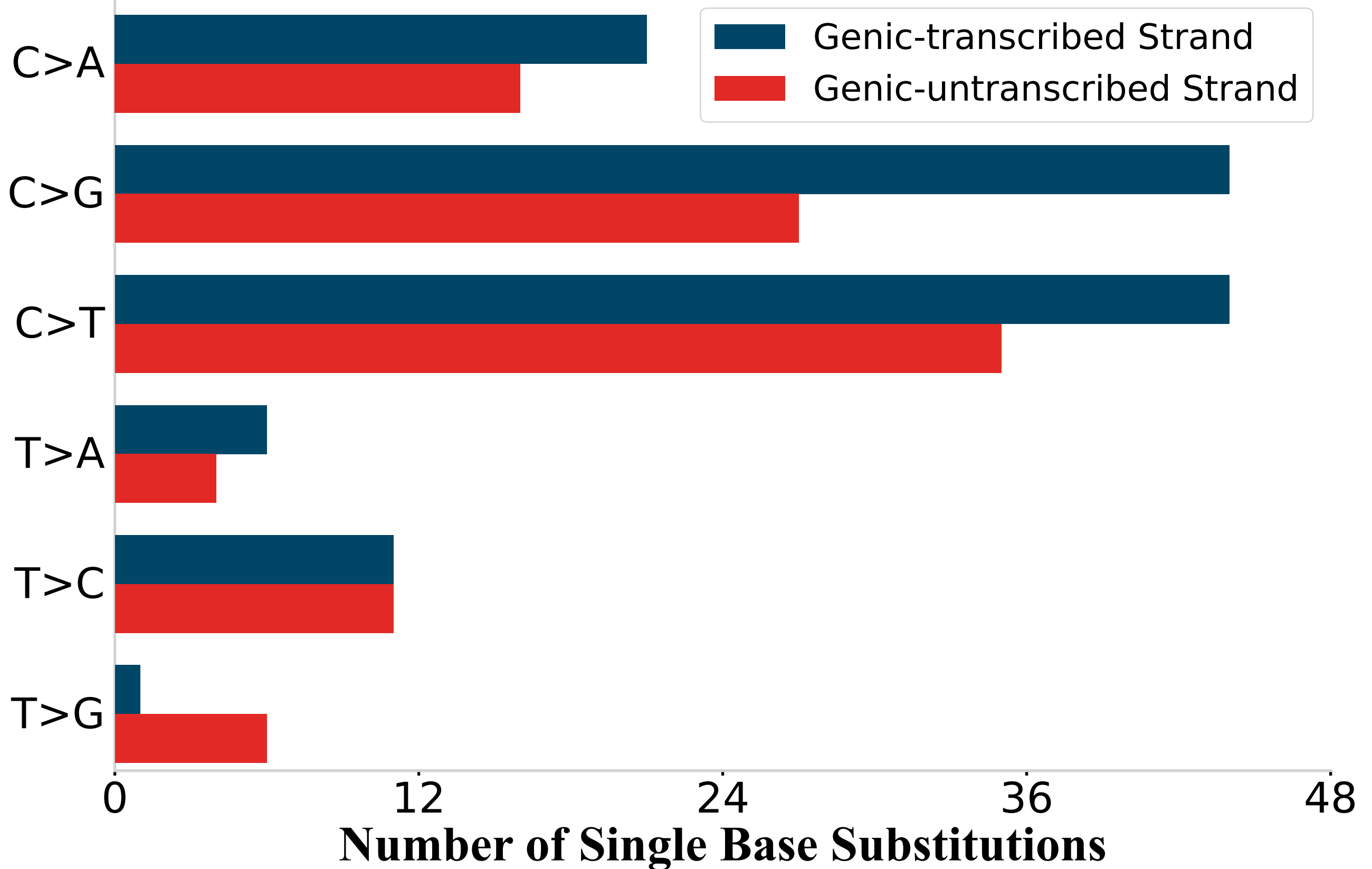
TCGA-ZF-A9RL-01A-11D-A38G-08: 381 transcribed



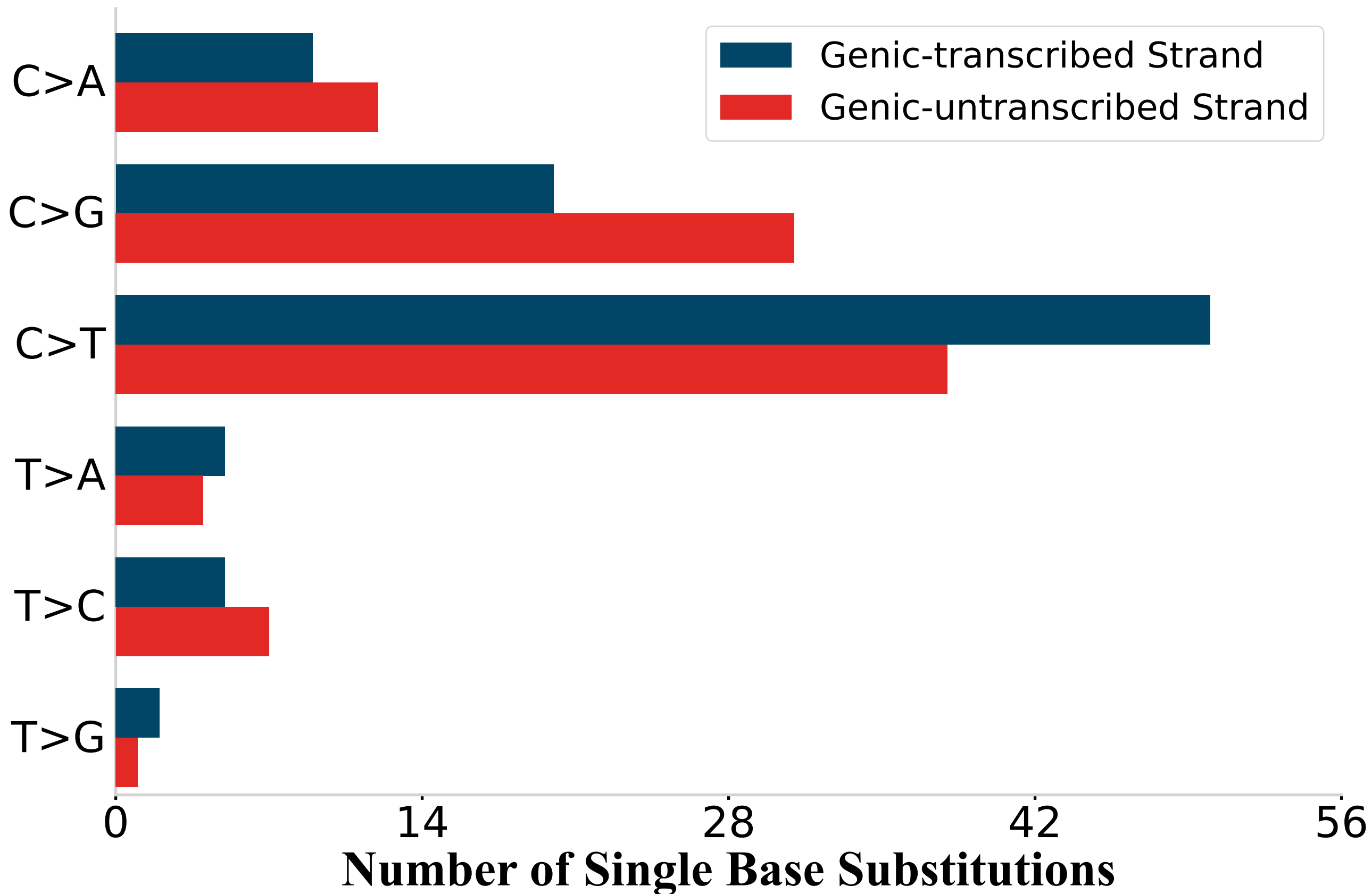
TCGA-ZF-A9RM-01A-11D-A38G-08: 95 transcribed



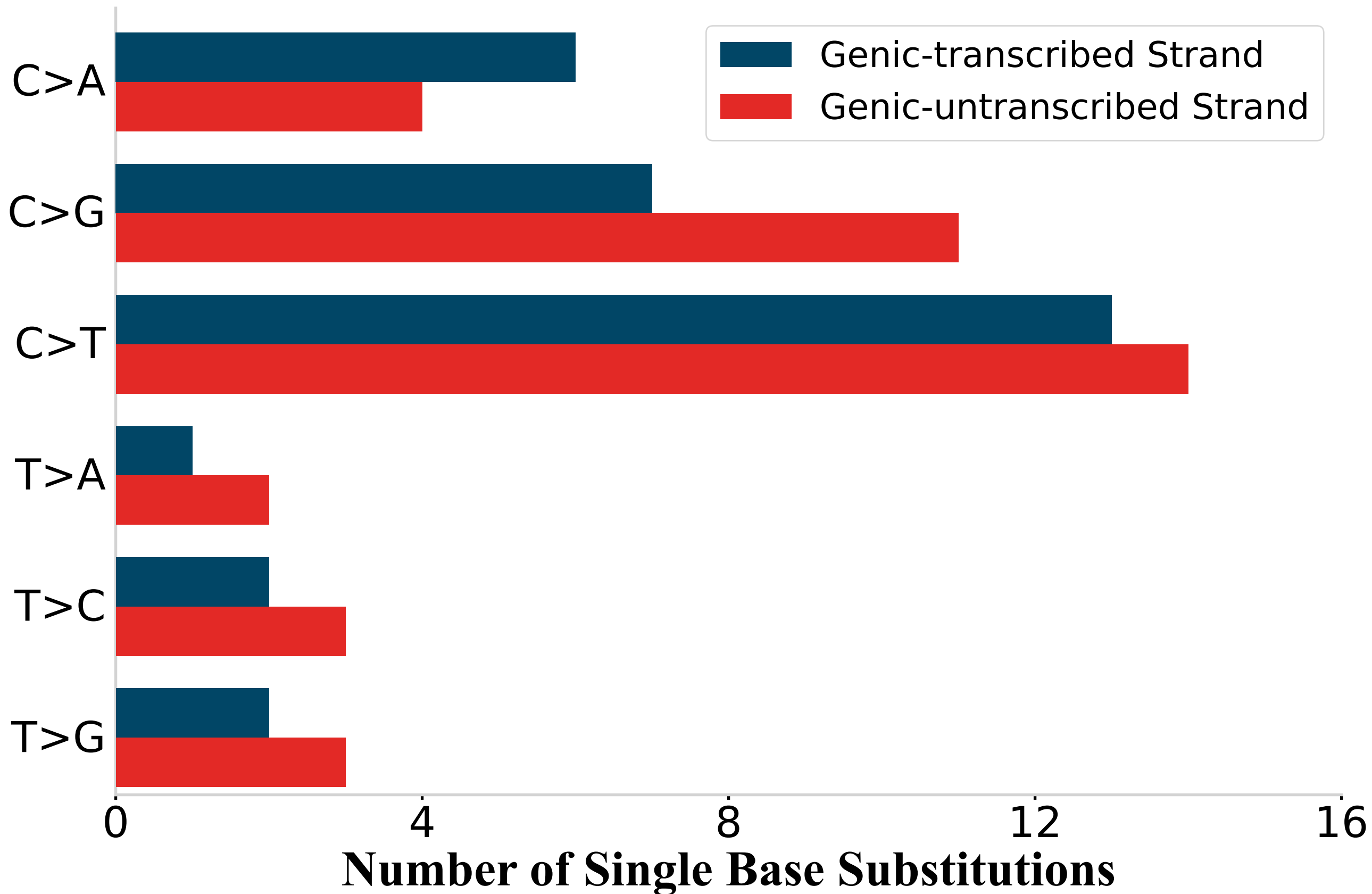
TCGA-ZF-A9RN-01A-11D-A42E-08: 226 transcribed



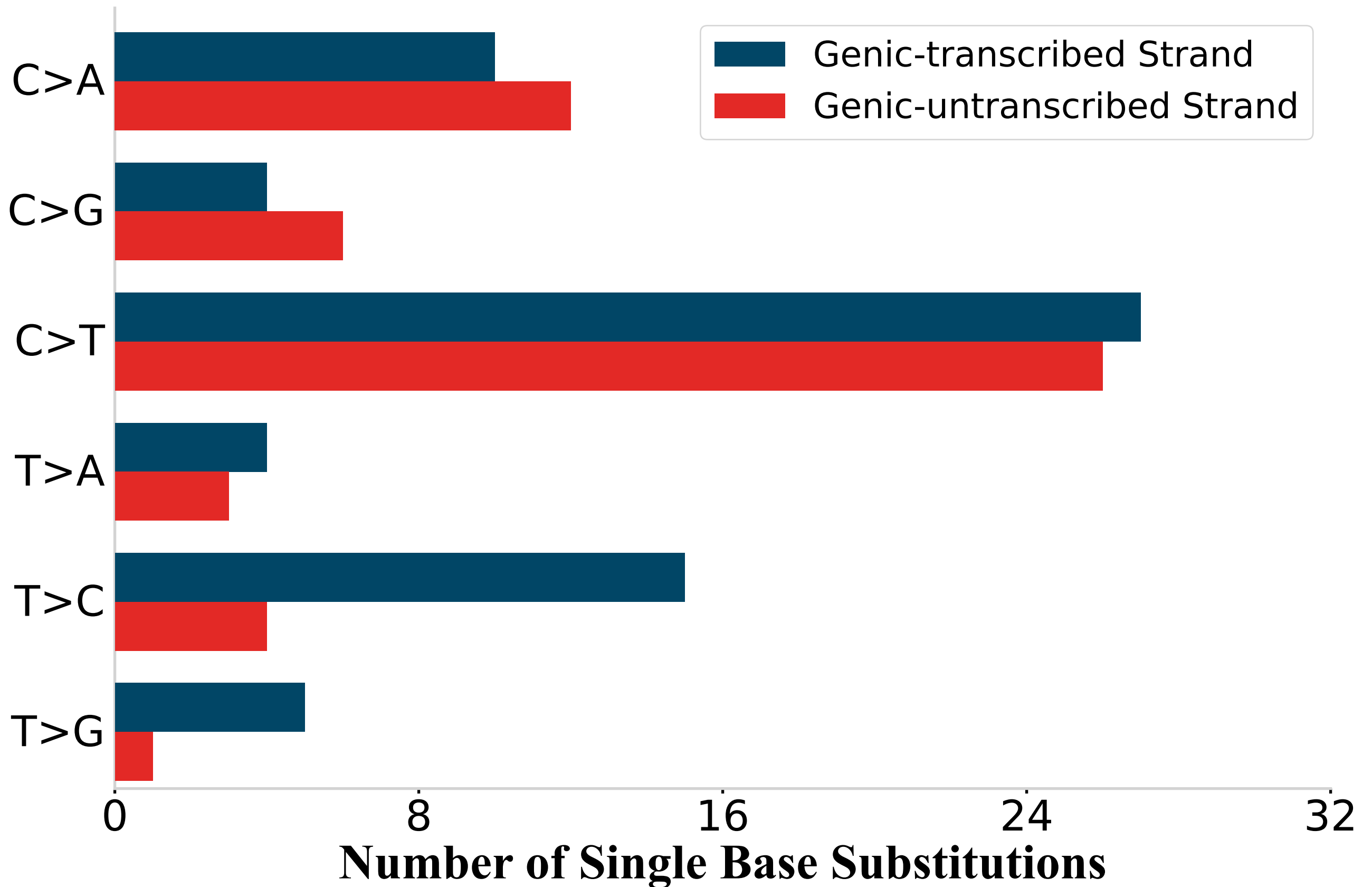
TCGA-ZF-AA4N-01A-11D-A38G-08: 184 transcribed



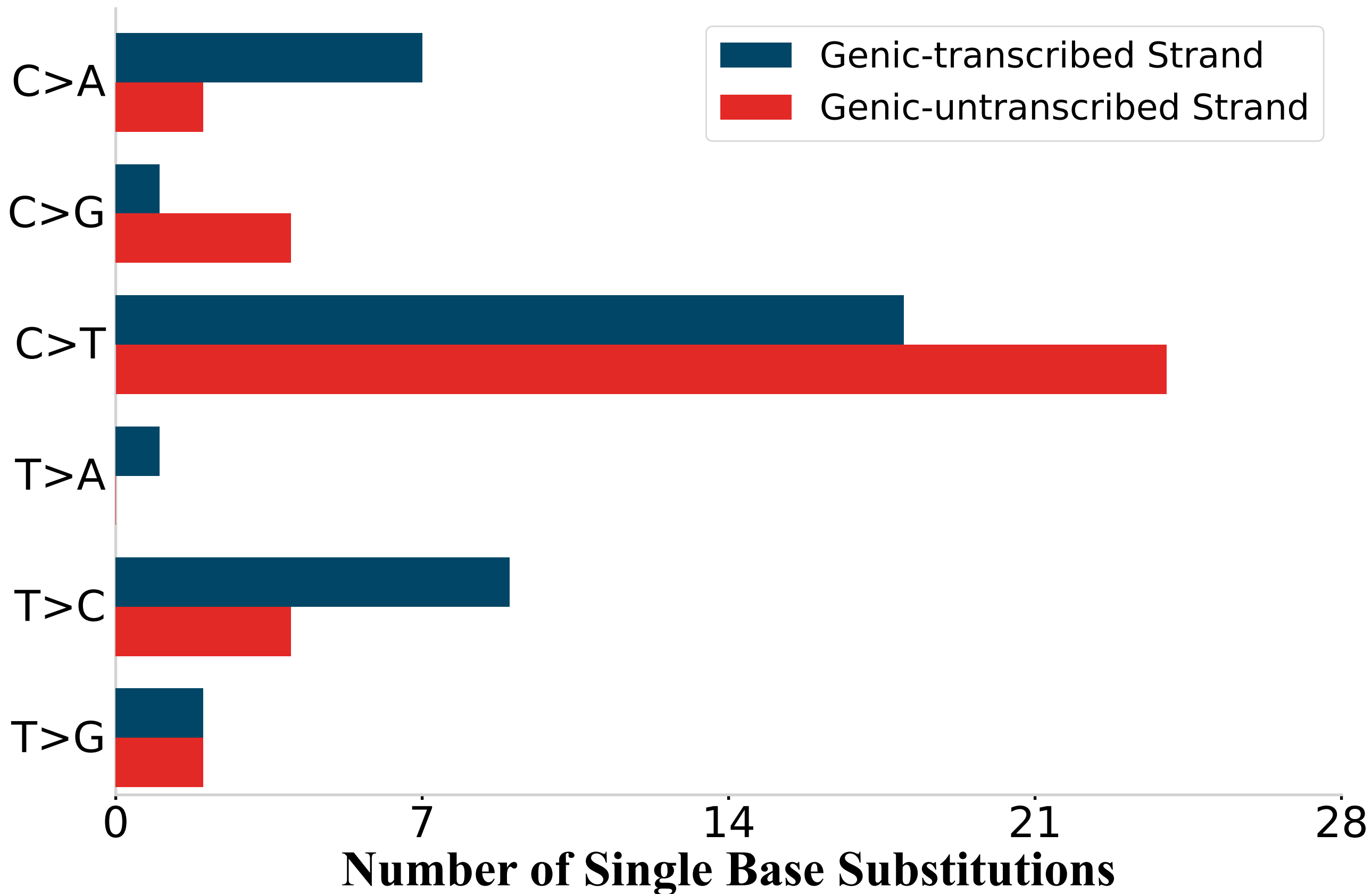
TCGA-ZF-AA4R-01A-11D-A38G-08: 68 transcribed



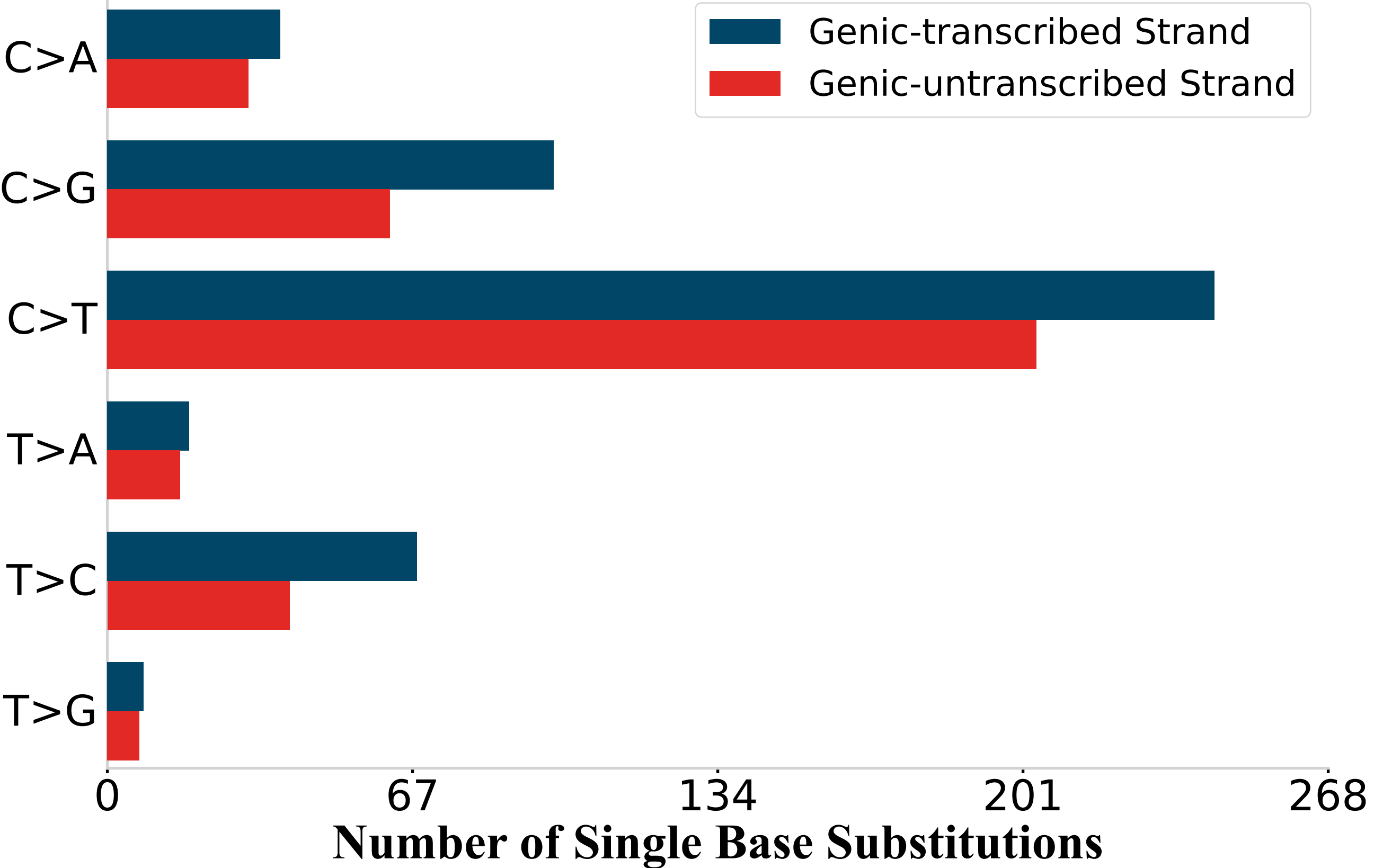
TCGA-ZF-AA4T-01A-11D-A38G-08: 117 transcribed



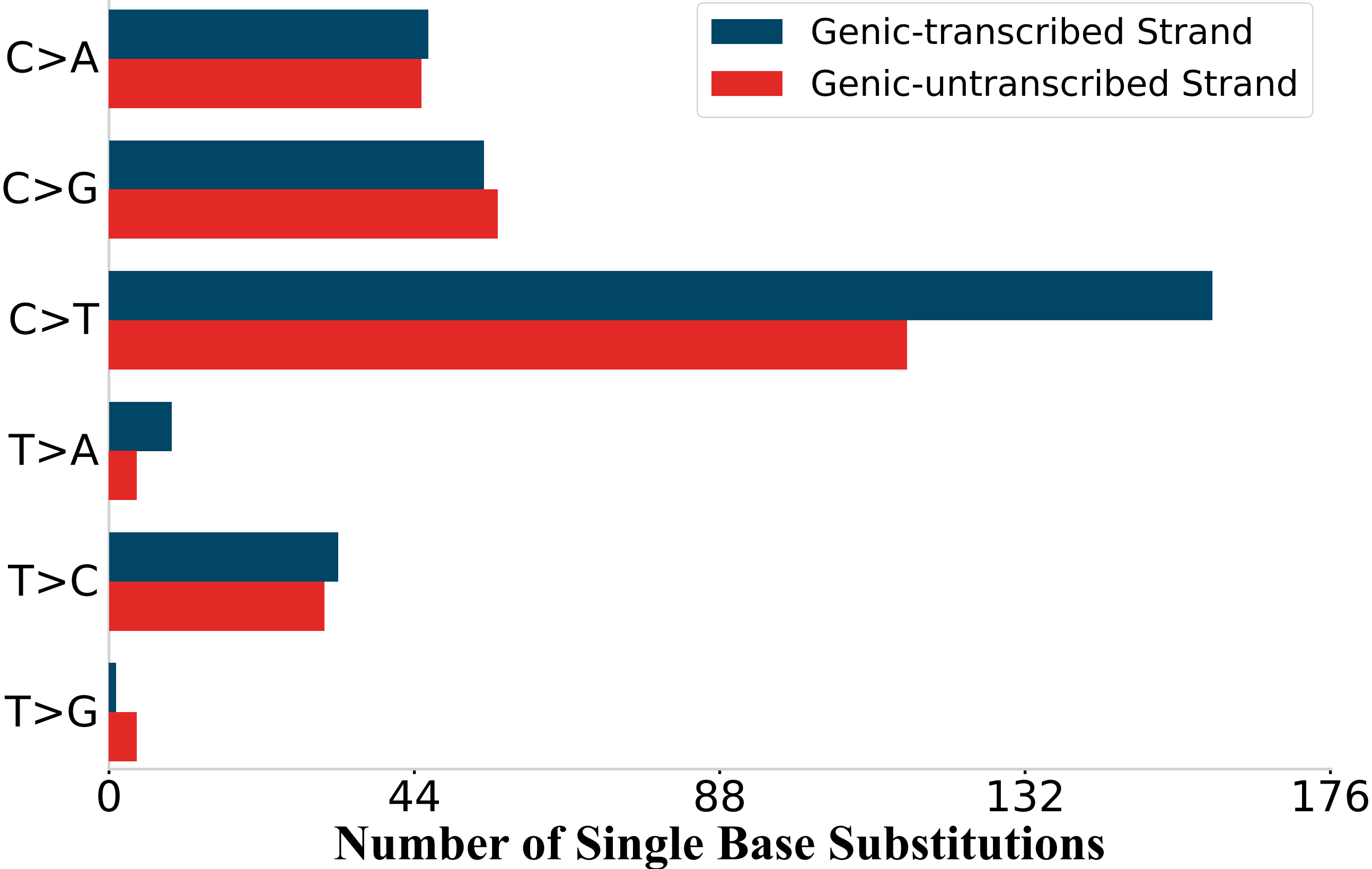
TCGA-ZF-AA4U-01A-11D-A38G-08: 74 transcribed



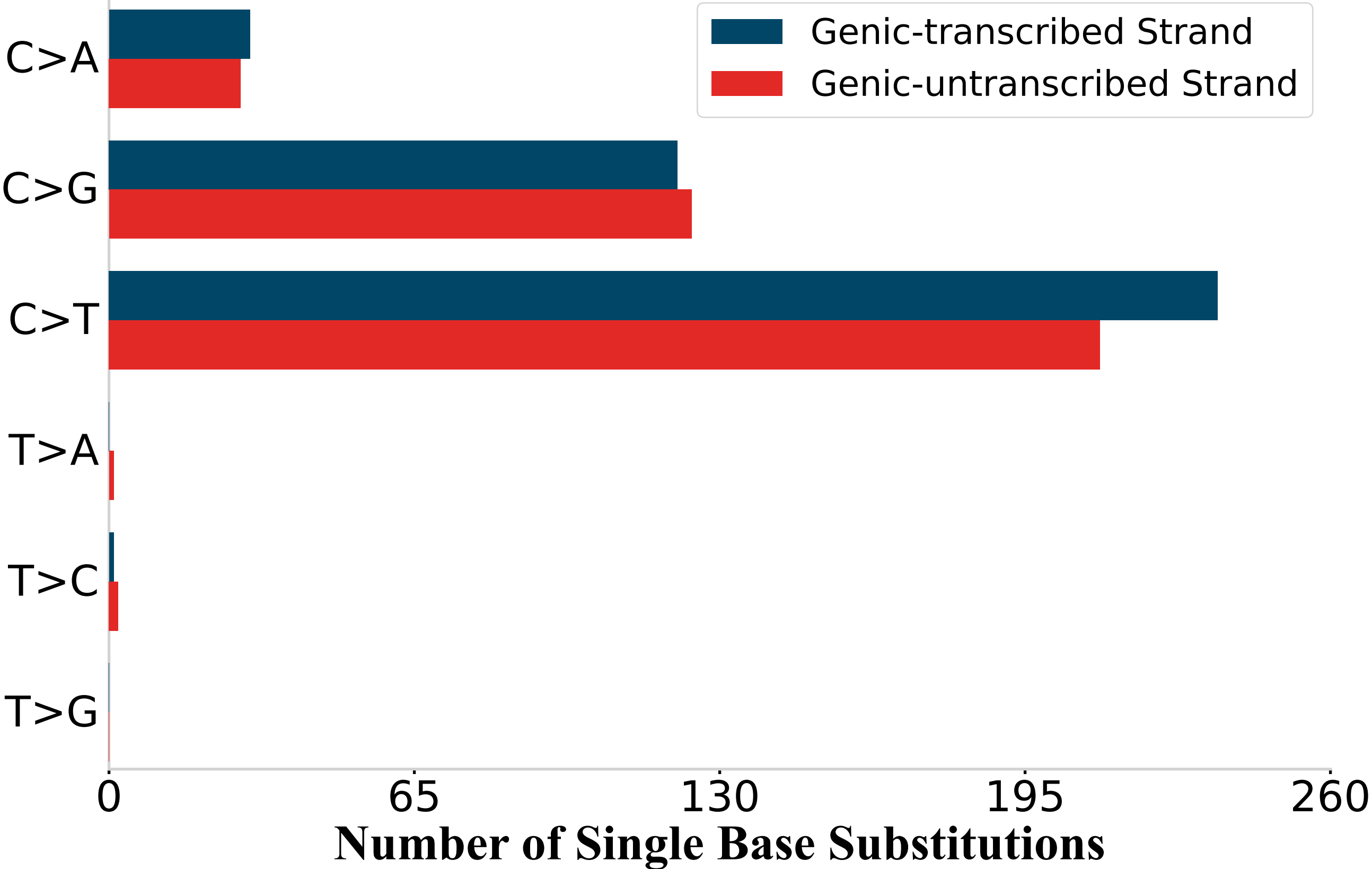
TCGA-ZF-AA4V-01A-11D-A38G-08: 833 transcribed



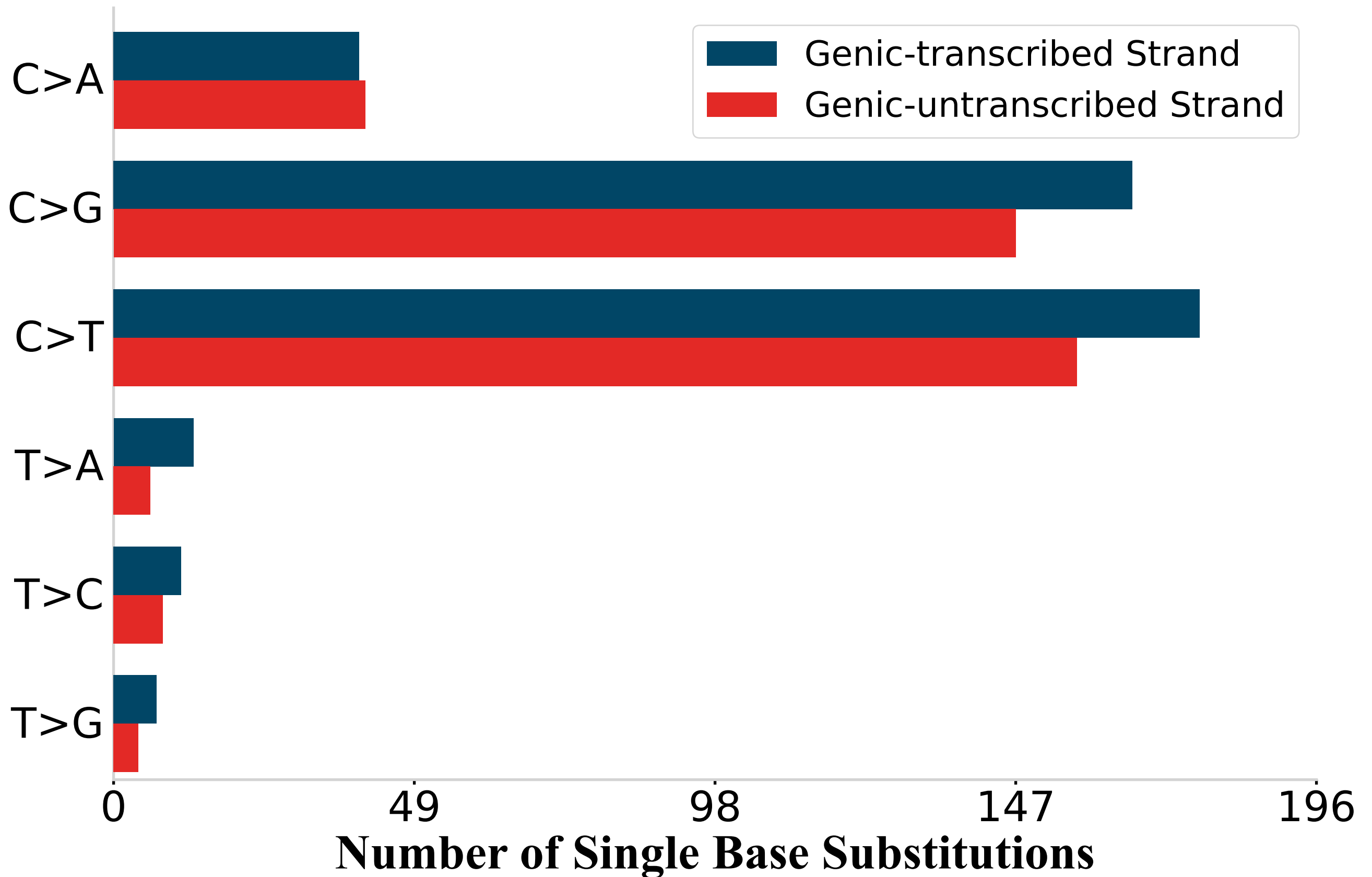
TCGA-ZF-AA4W-01A-12D-A38G-08: 557 transcribed



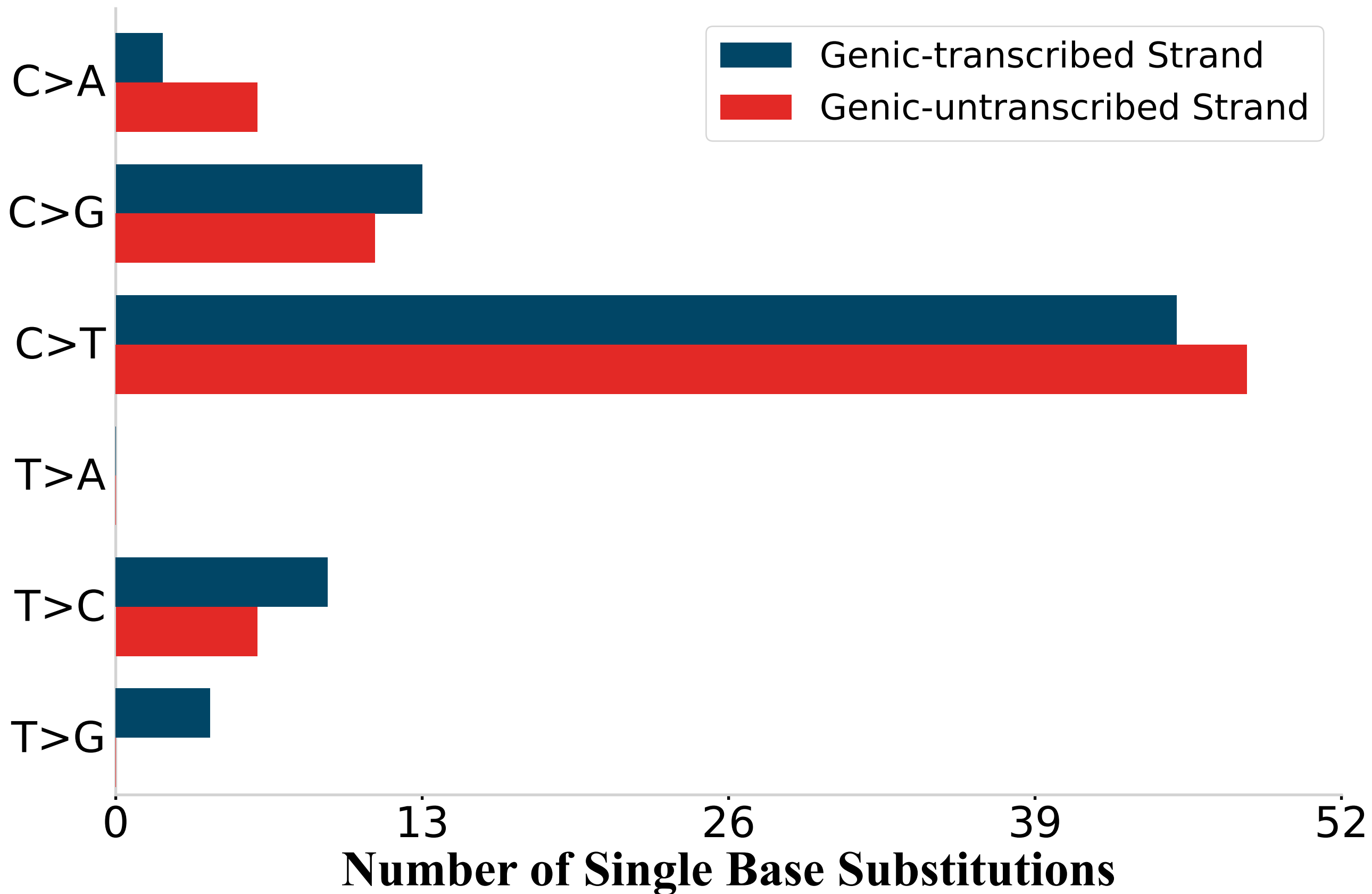
TCGA-ZF-AA4X-01A-11D-A38G-08: 754 transcribed



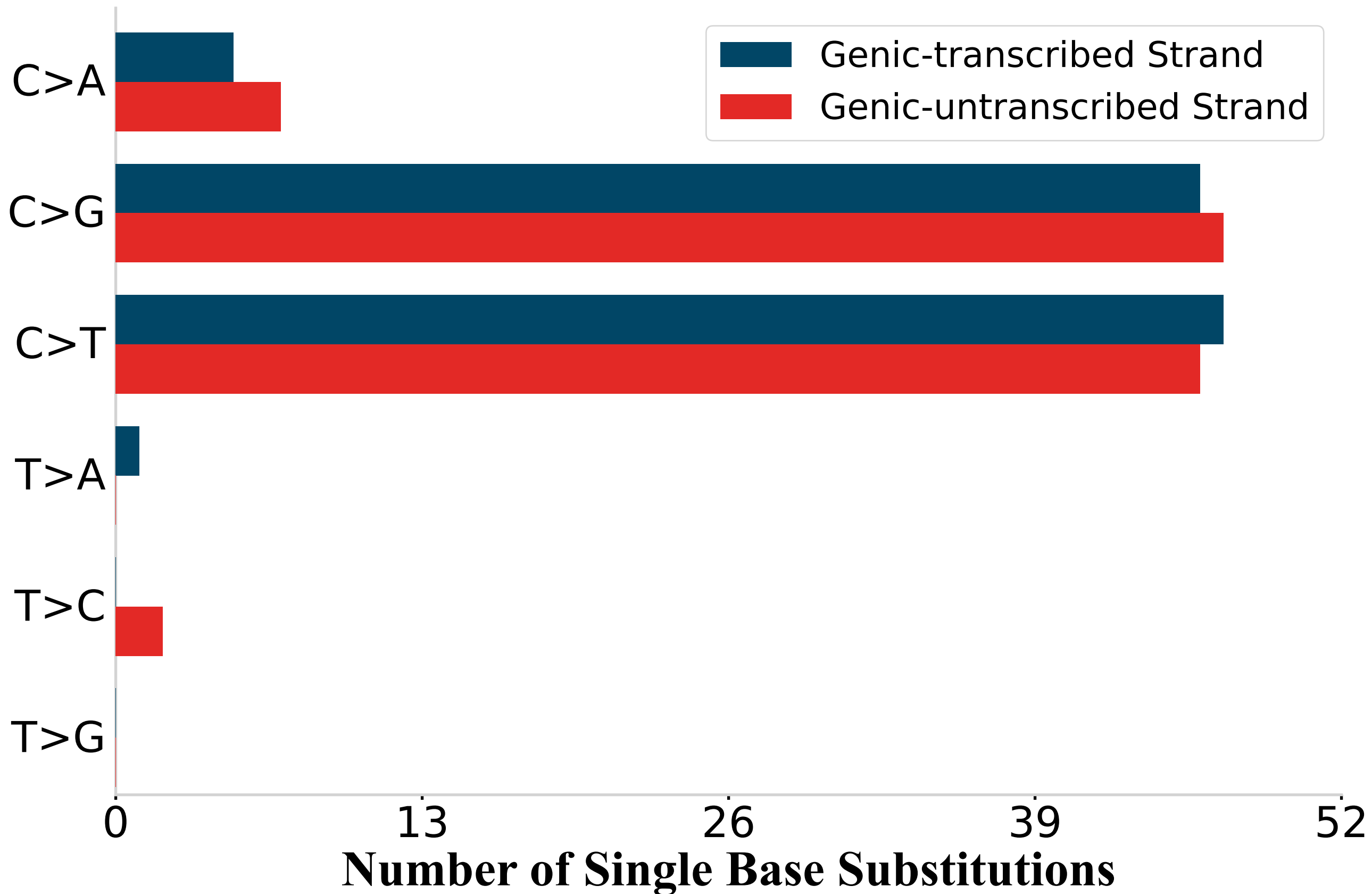
TCGA-ZF-AA51-01A-21D-A391-08: 777 transcribed



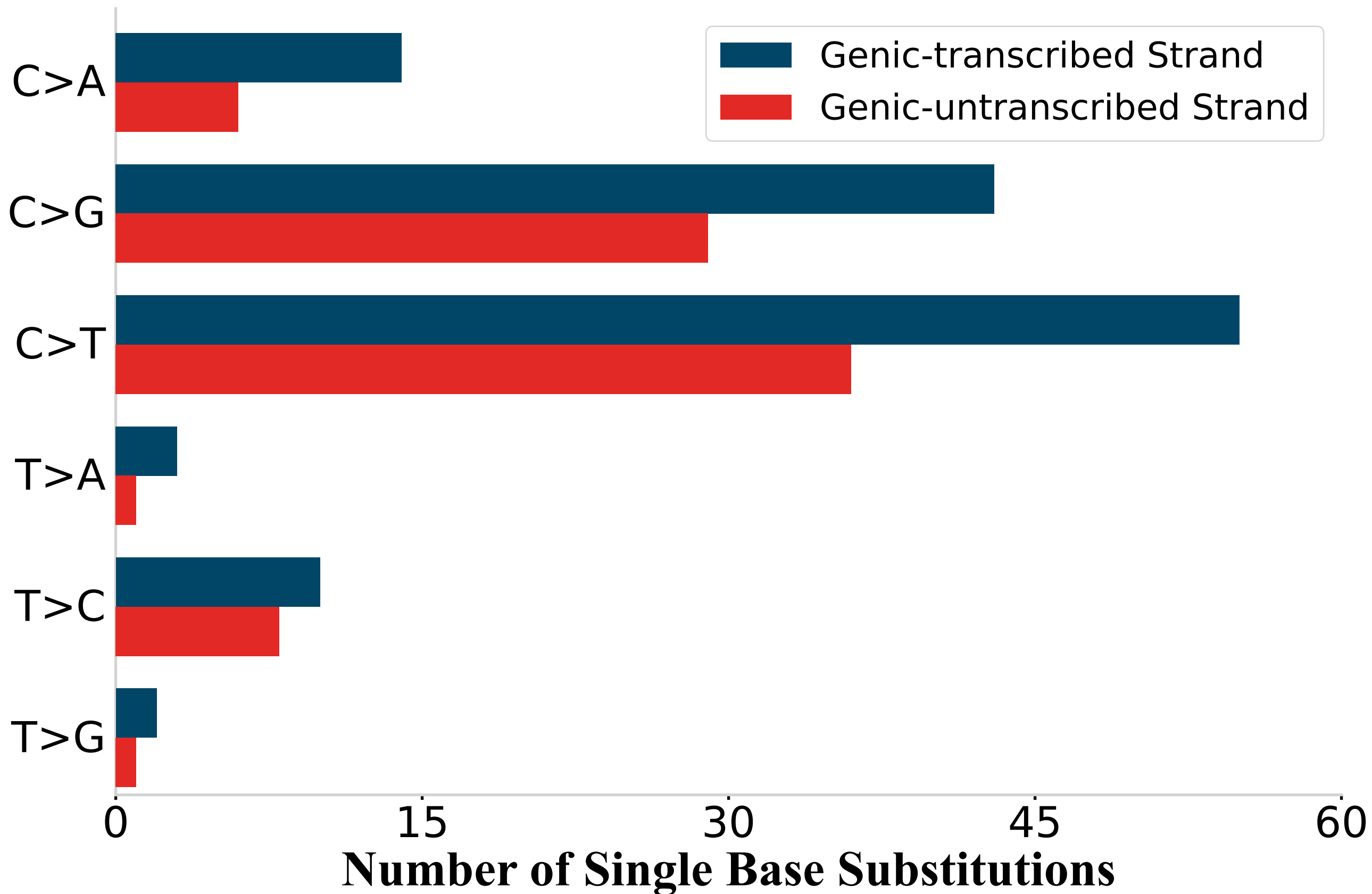
TCGA-ZF-AA52-01A-12D-A391-08: 144 transcribed



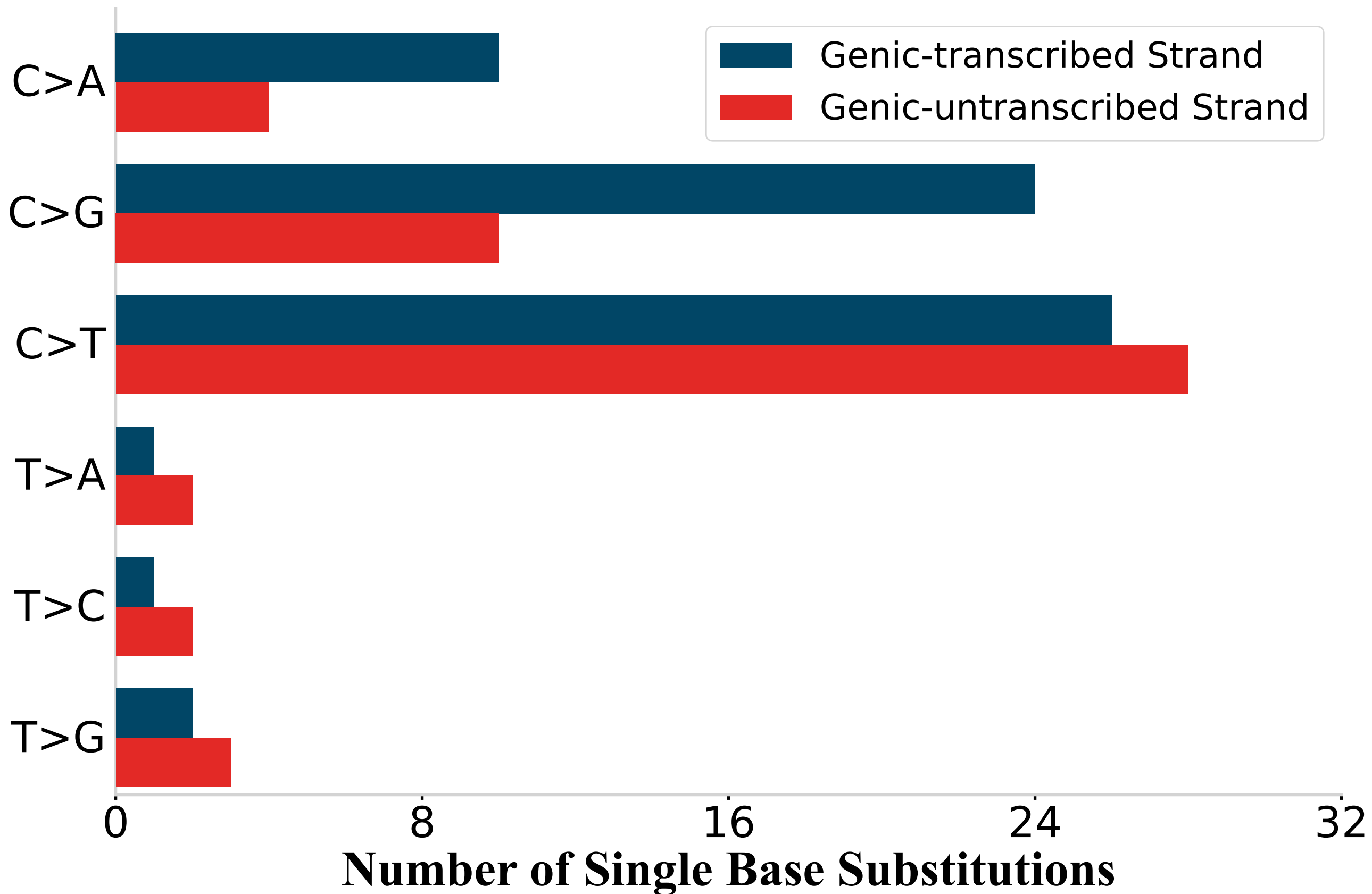
TCGA-ZF-AA53-01A-11D-A391-08: 201 transcribed



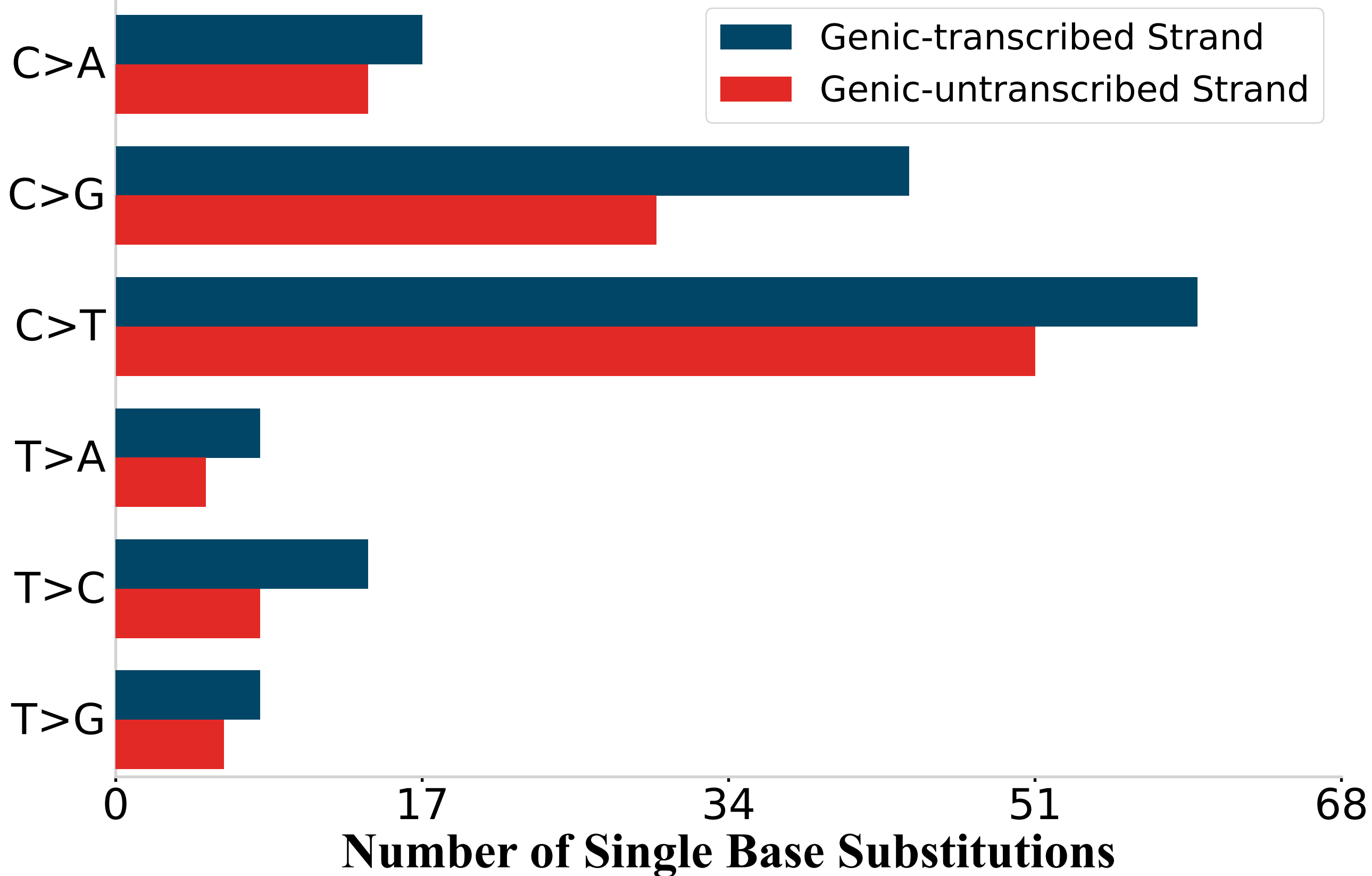
TCGA-ZF-AA54-01A-11D-A391-08: 208 transcribed



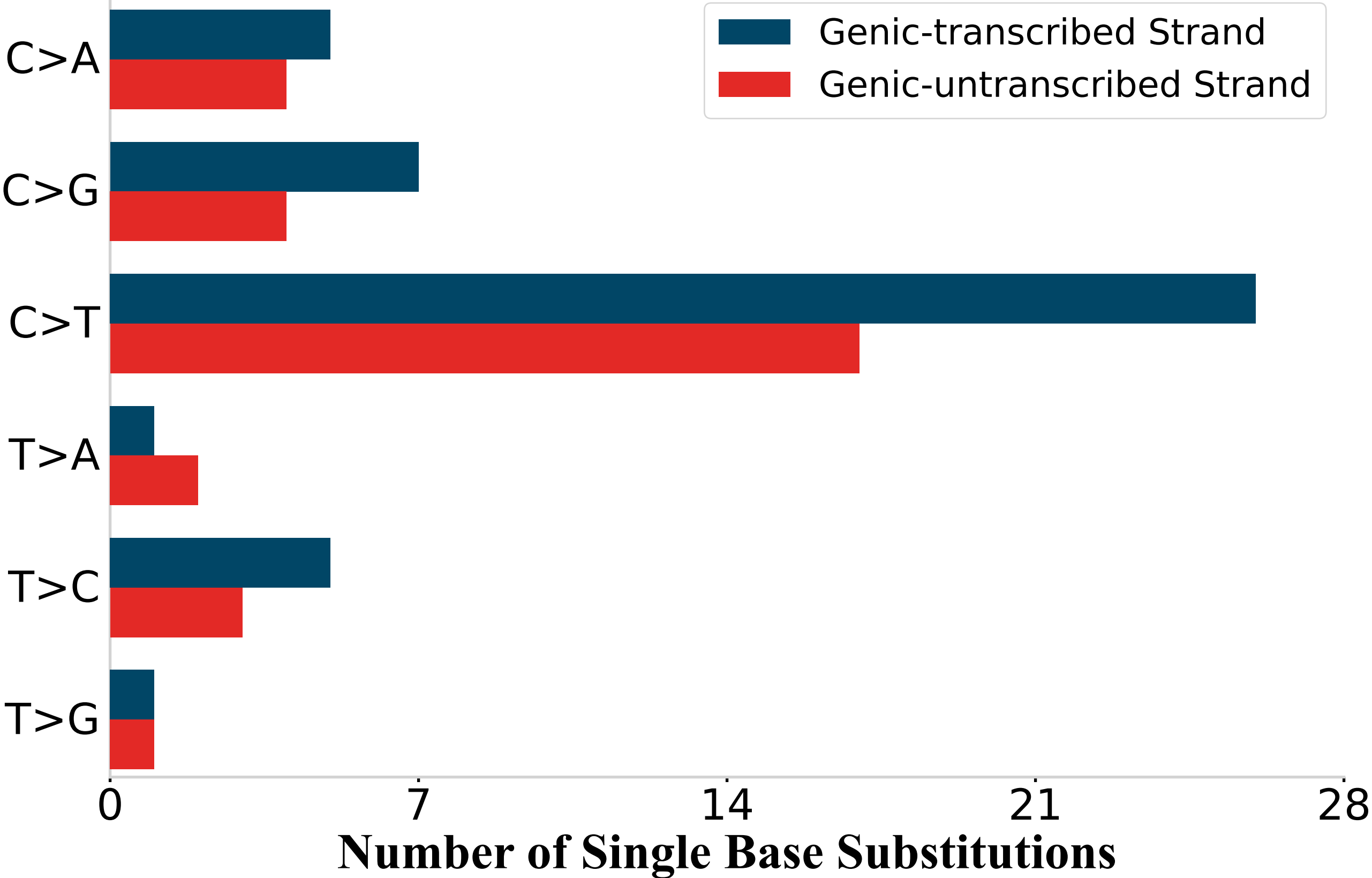
TCGA-ZF-AA56-01A-31D-A391-08: 113 transcribed



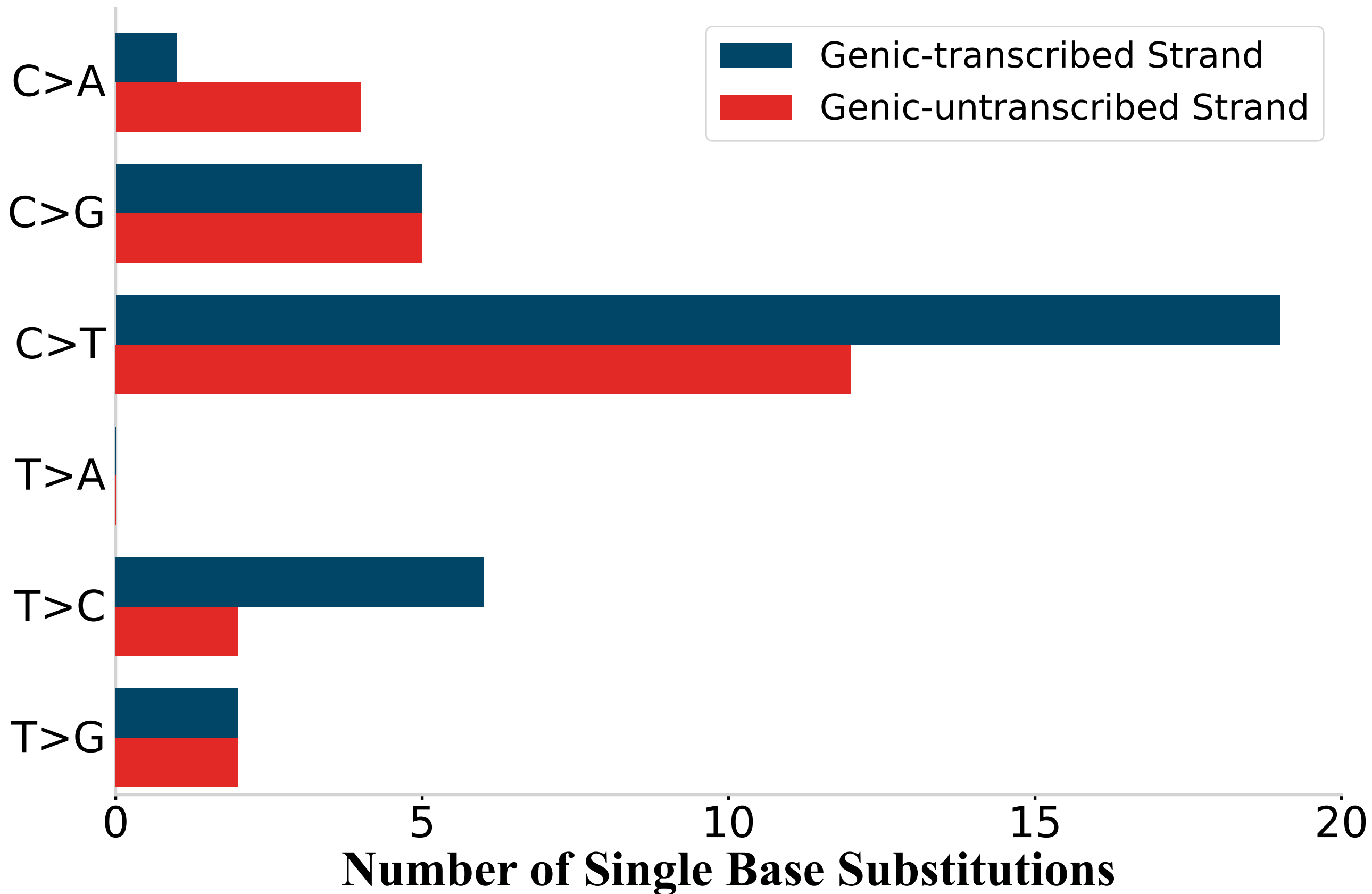
TCGA-ZF-AA58-01A-12D-A42E-08: 265 transcribed



TCGA-ZF-AA5H-01A-11D-A391-08: 76 transcribed



TCGA-ZF-AA5N-01A-11D-A42E-08: 58 transcribed



TCGA-ZF-AA5P-01A-11D-A391-08: 47 transcribed s

