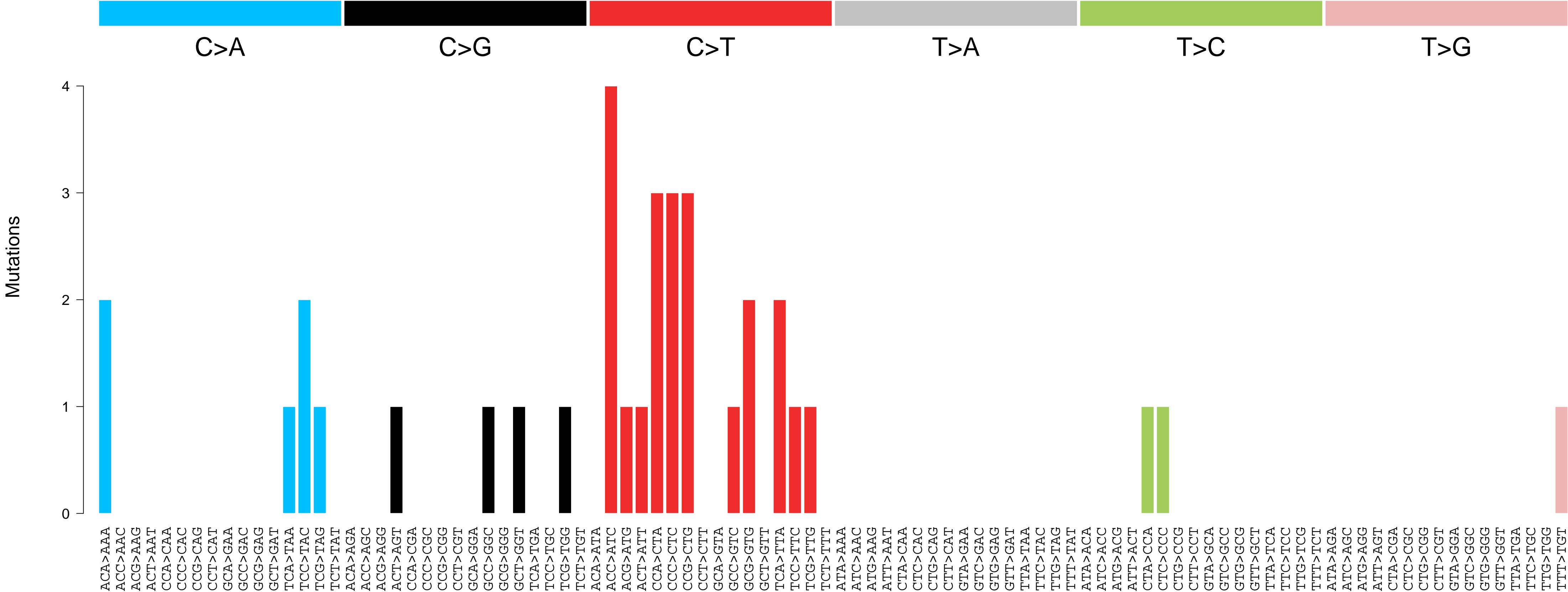
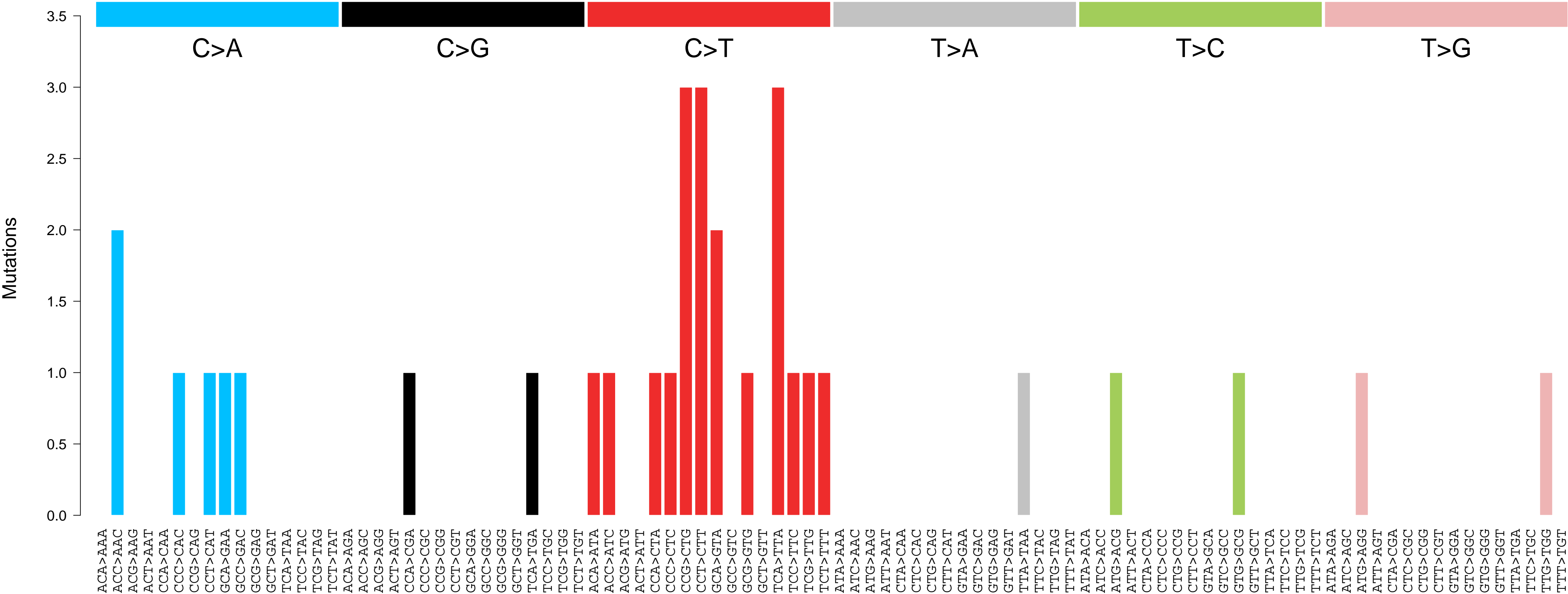


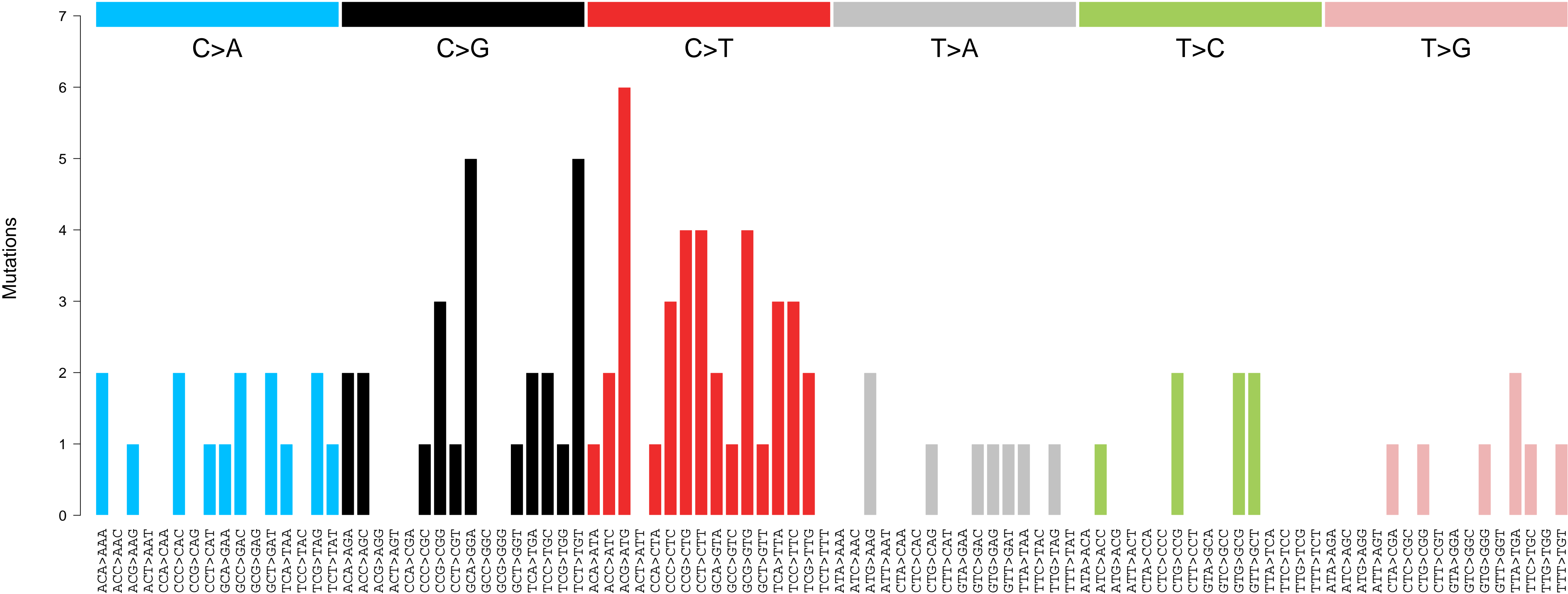
Mutational spectrum #1
(35 mutations)



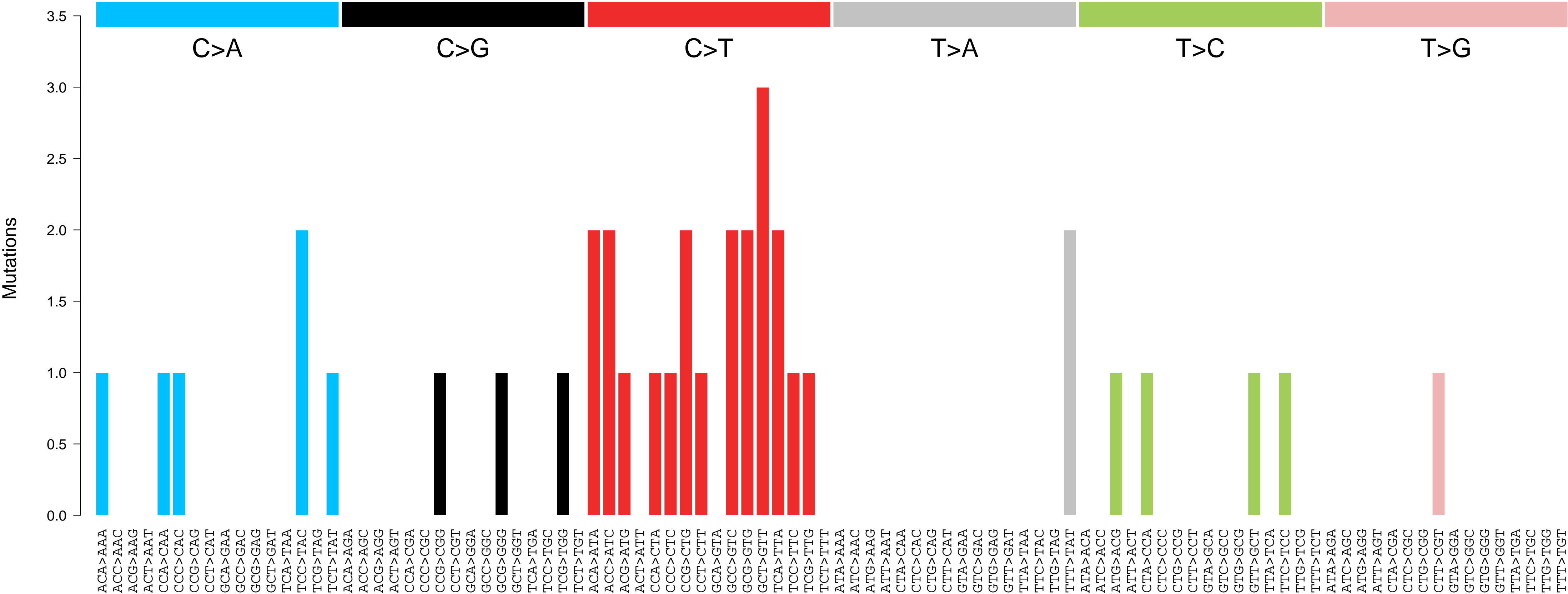
Mutational spectrum #2
(32 mutations)



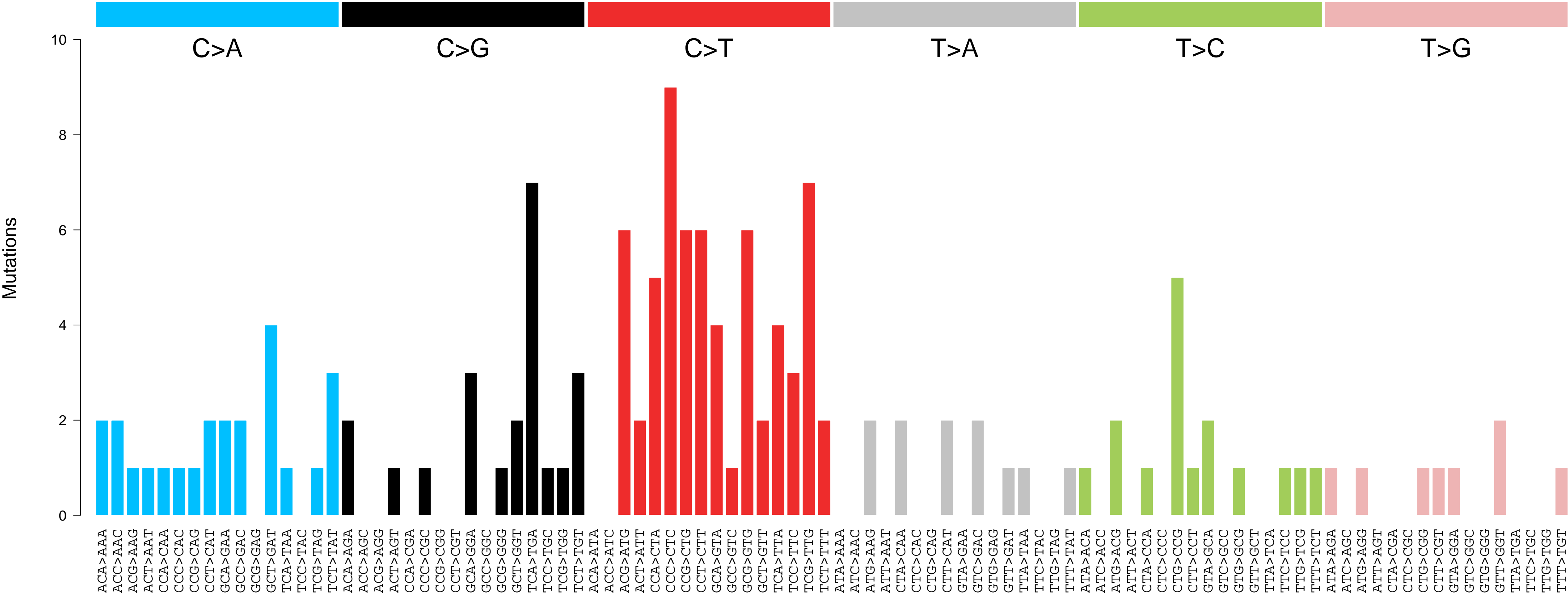
Mutational spectrum #3
(99 mutations)



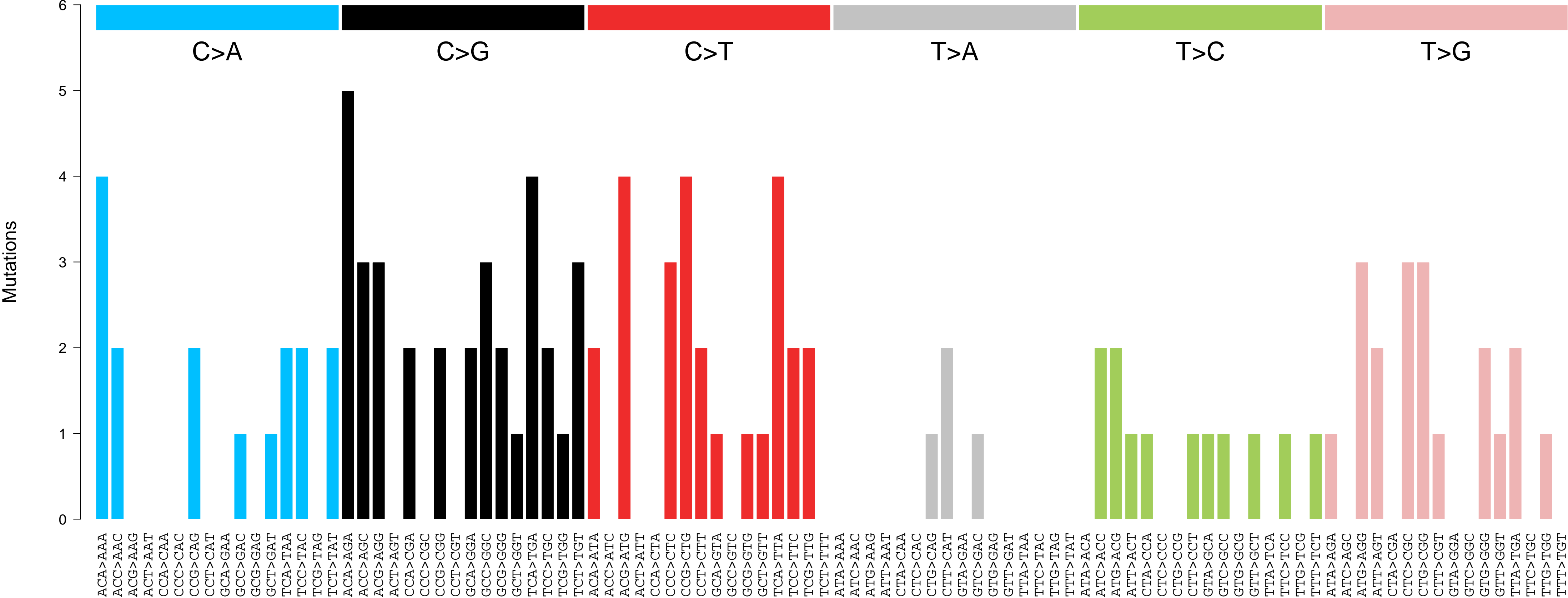
Mutational spectrum #4
(37 mutations)



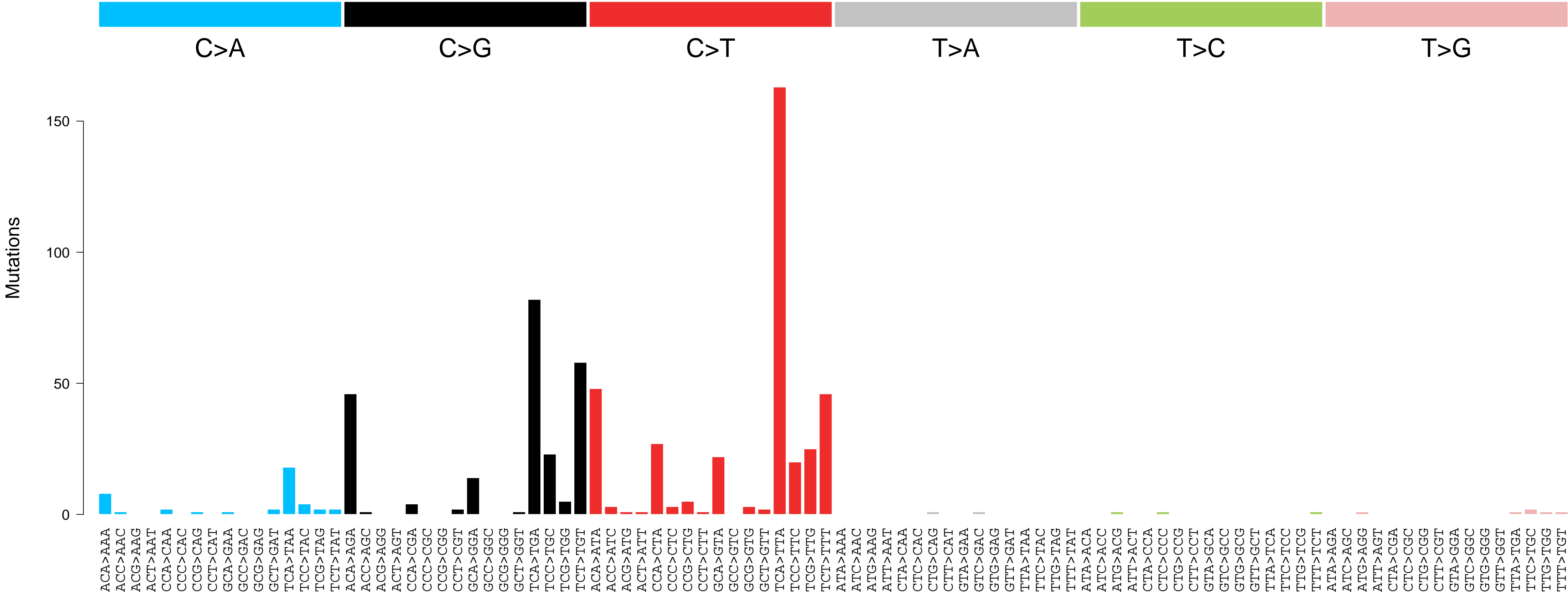
Mutational spectrum #5
(144 mutations)



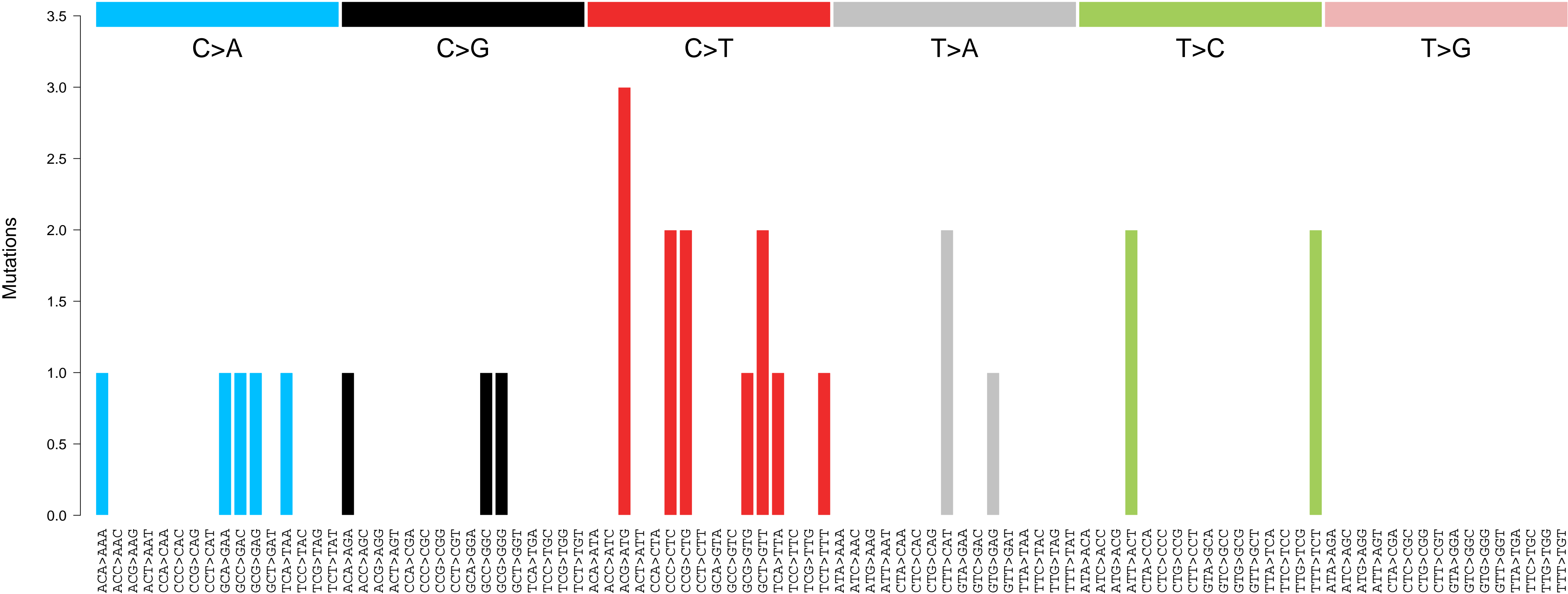
Mutational spectrum #6
(110 mutations)



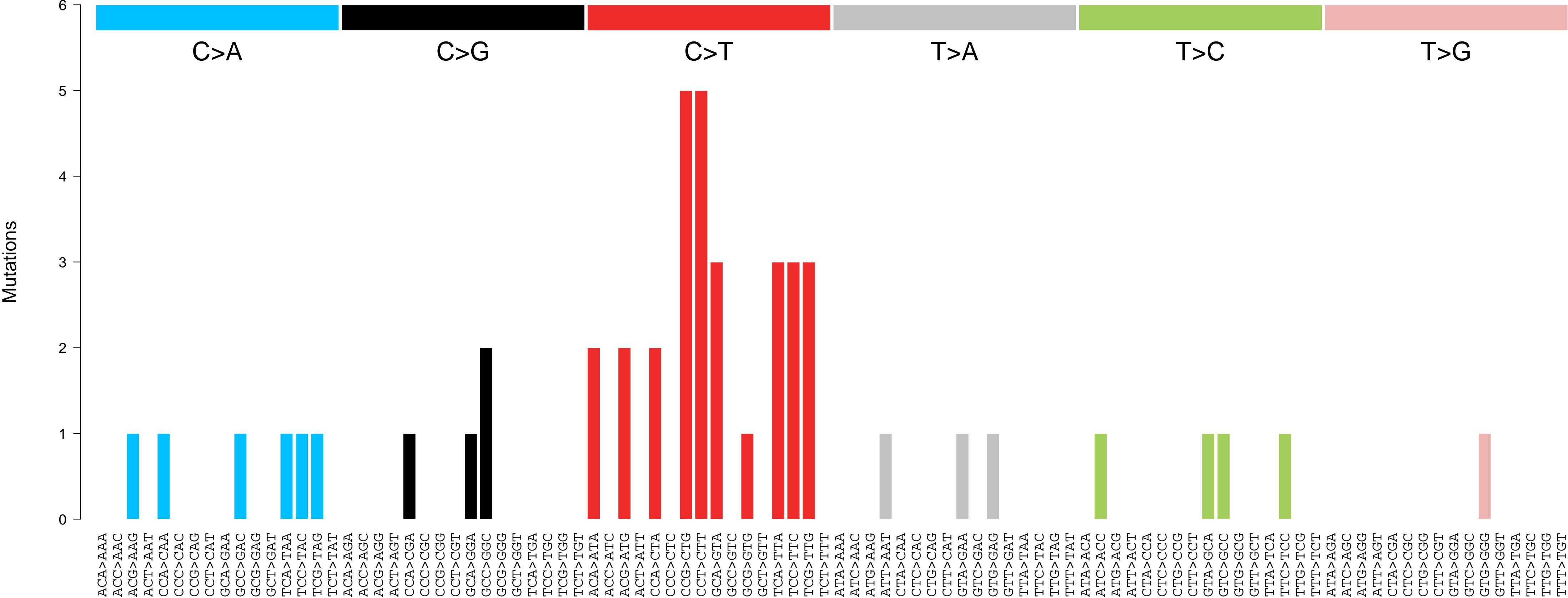
Mutational spectrum #7
(658 mutations)



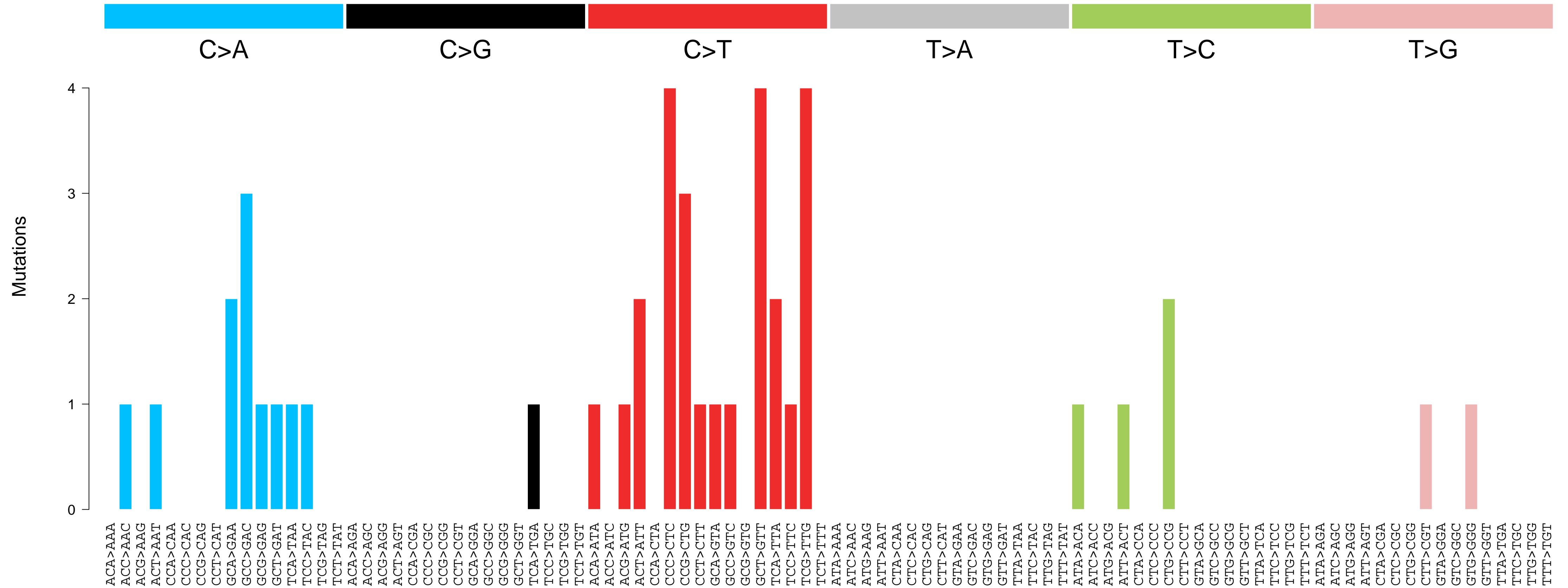
Mutational spectrum #8
(27 mutations)



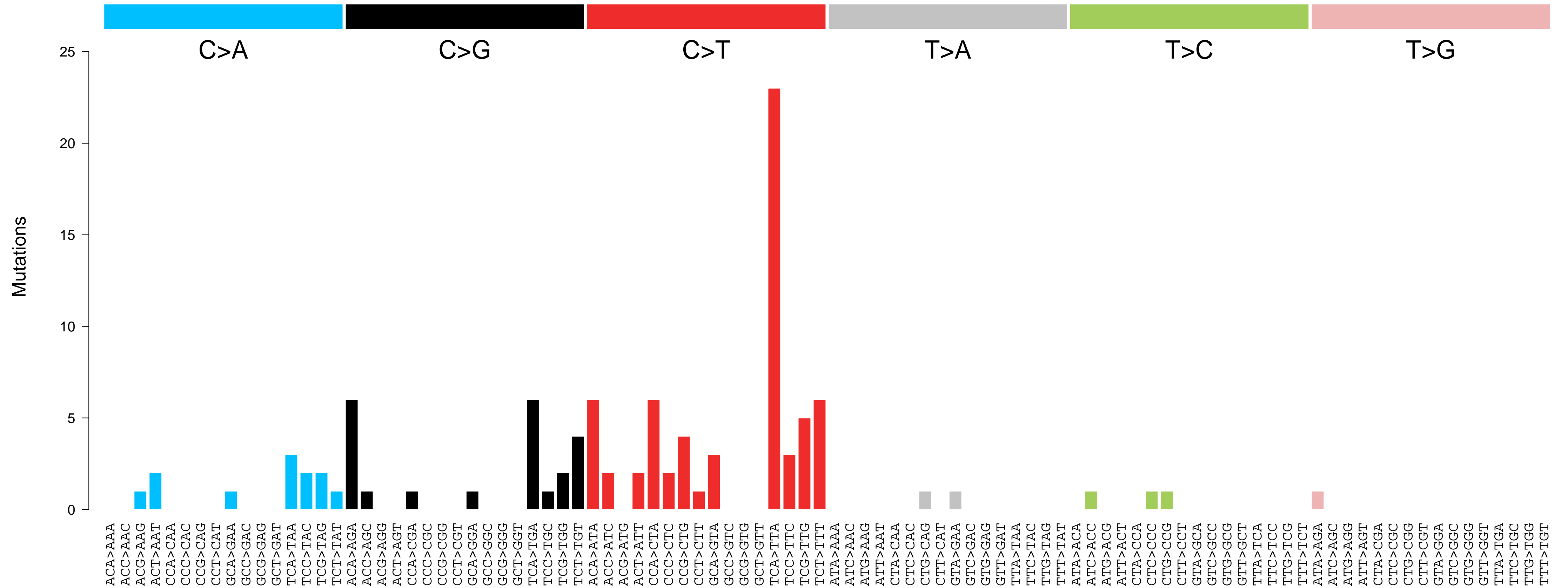
Mutational spectrum #9
(47 mutations)



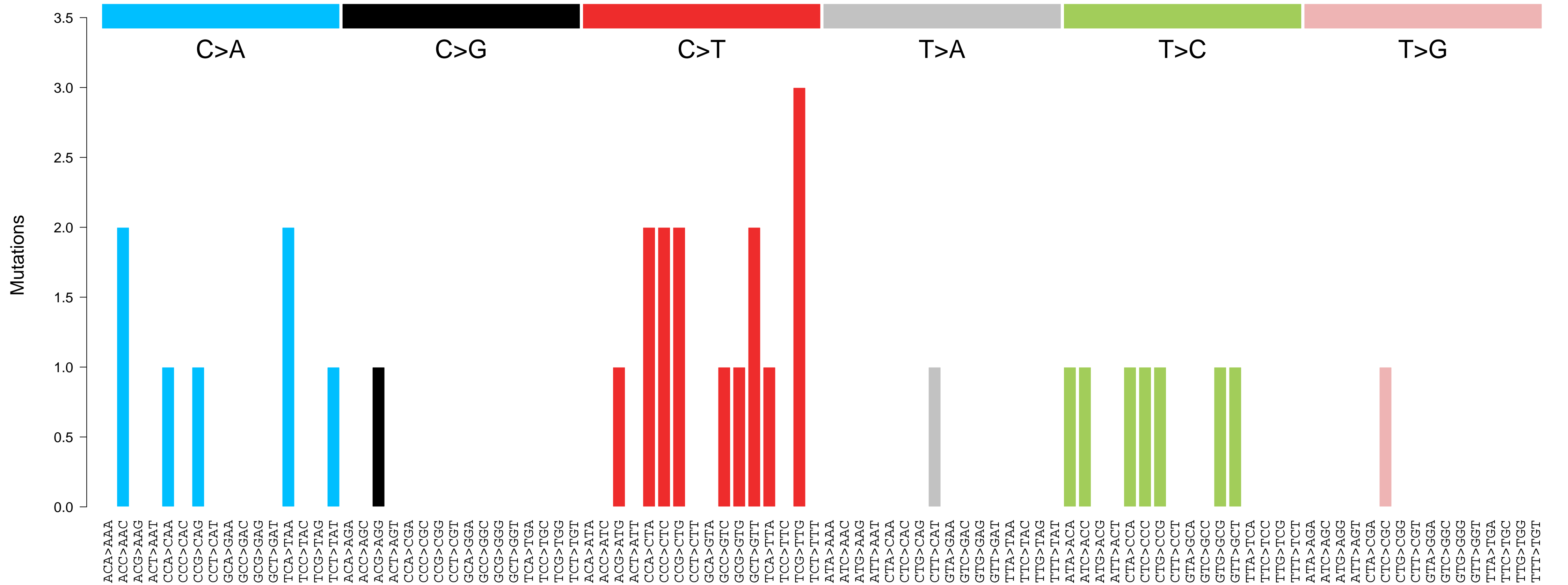
Mutational spectrum #10
(43 mutations)



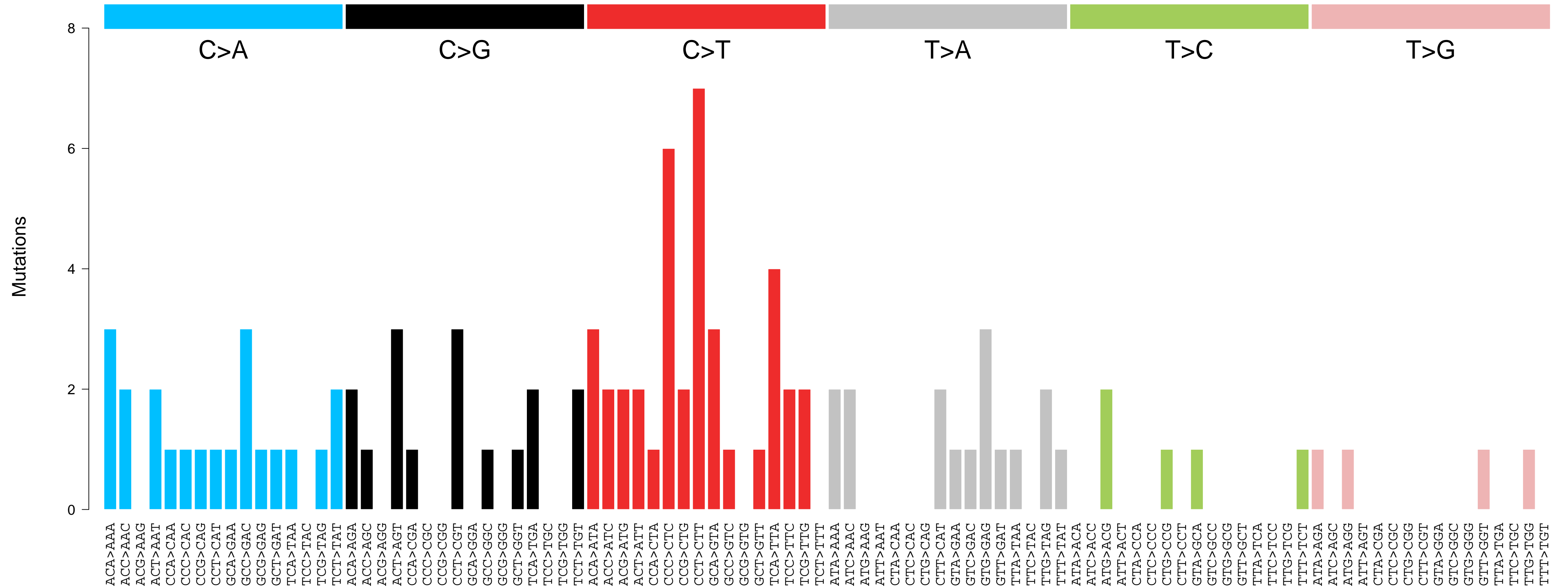
Mutational spectrum #11
(103 mutations)



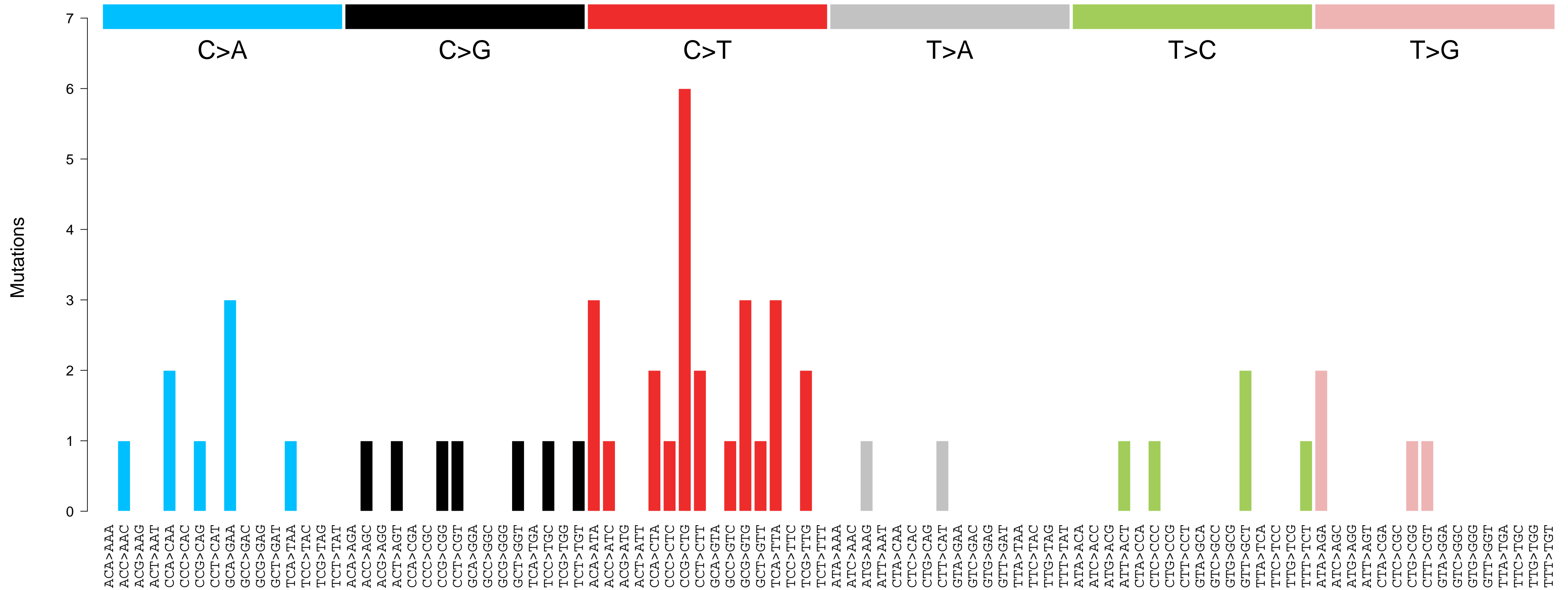
Mutational spectrum #12
(32 mutations)



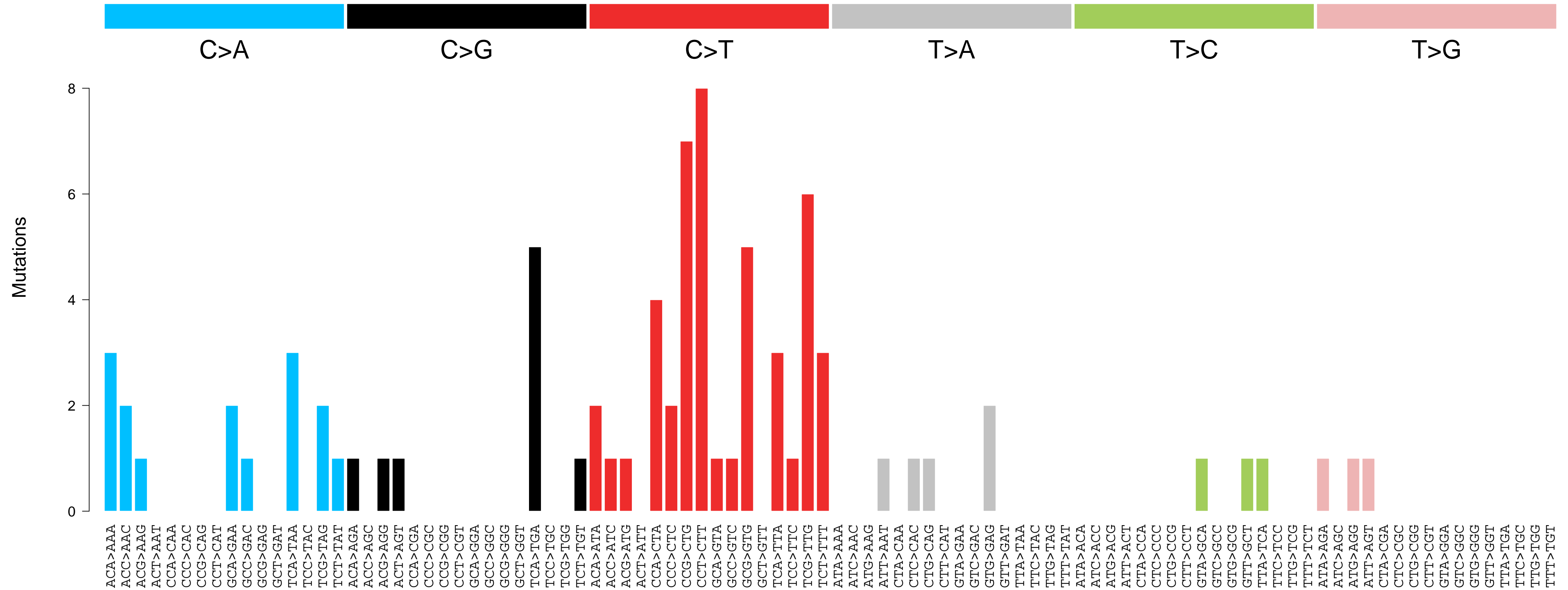
Mutational spectrum #13
(100 mutations)



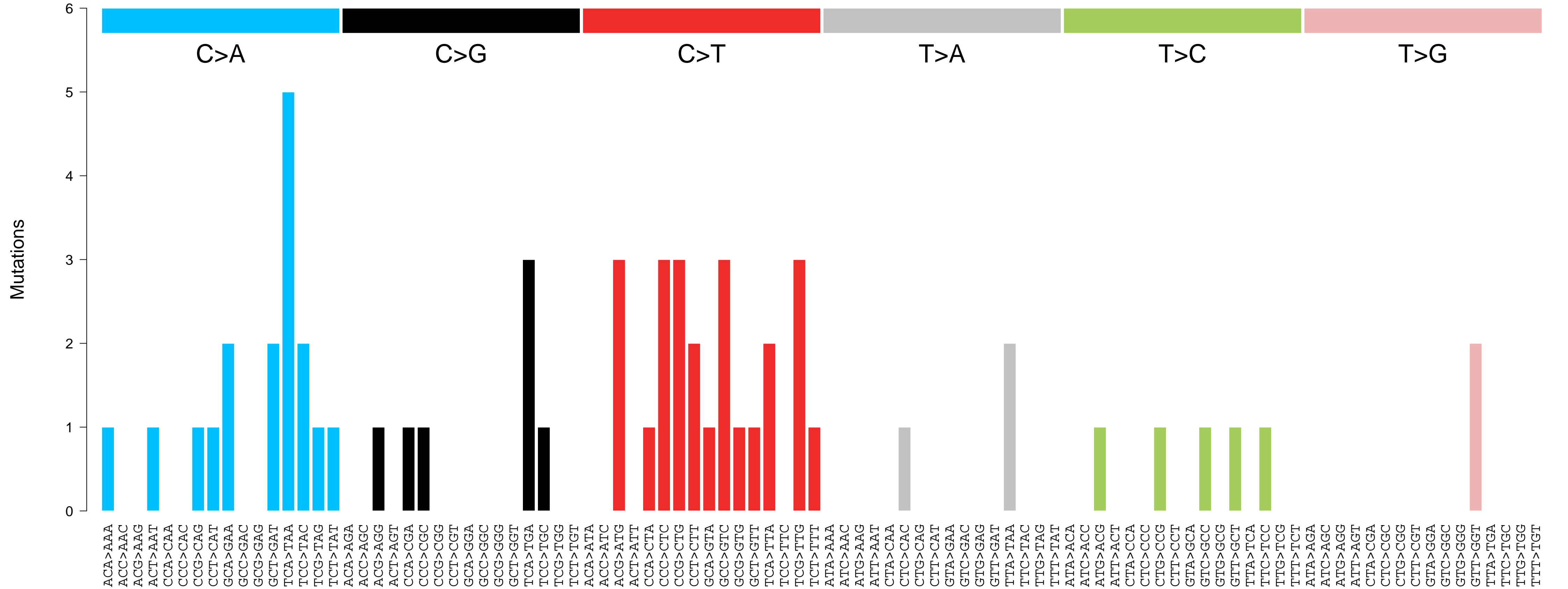
Mutational spectrum #14
(51 mutations)



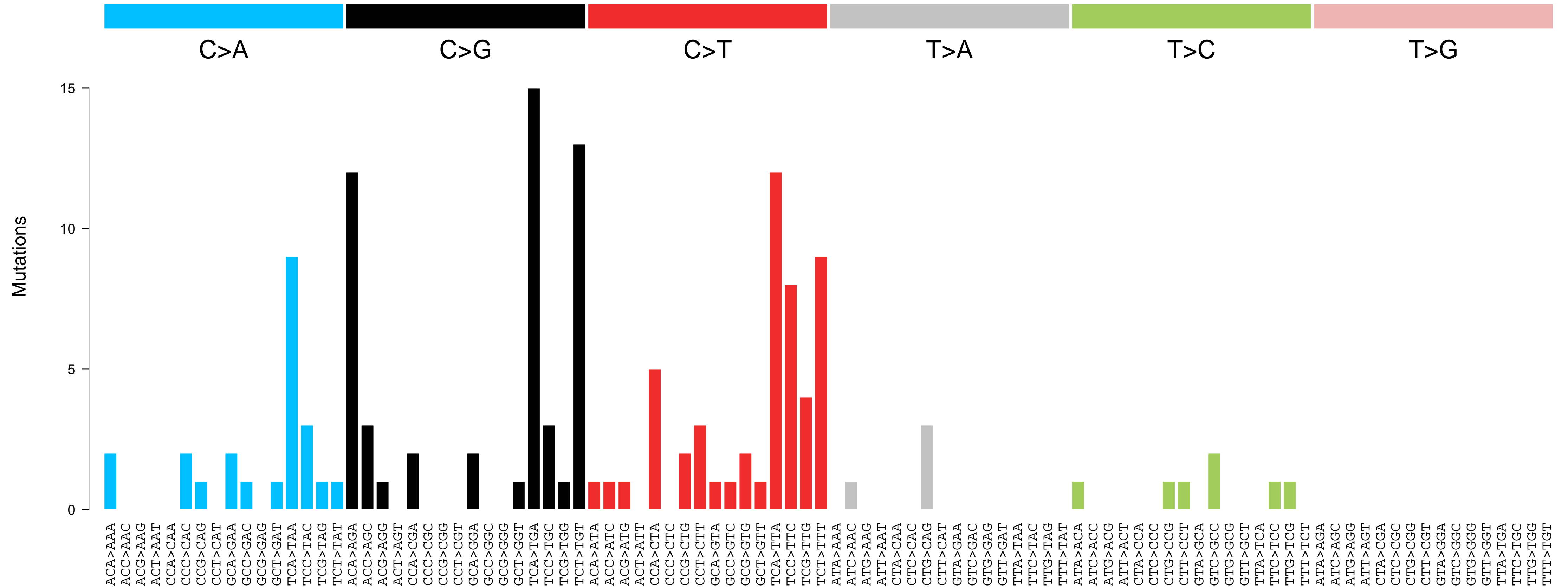
Mutational spectrum #15
(80 mutations)



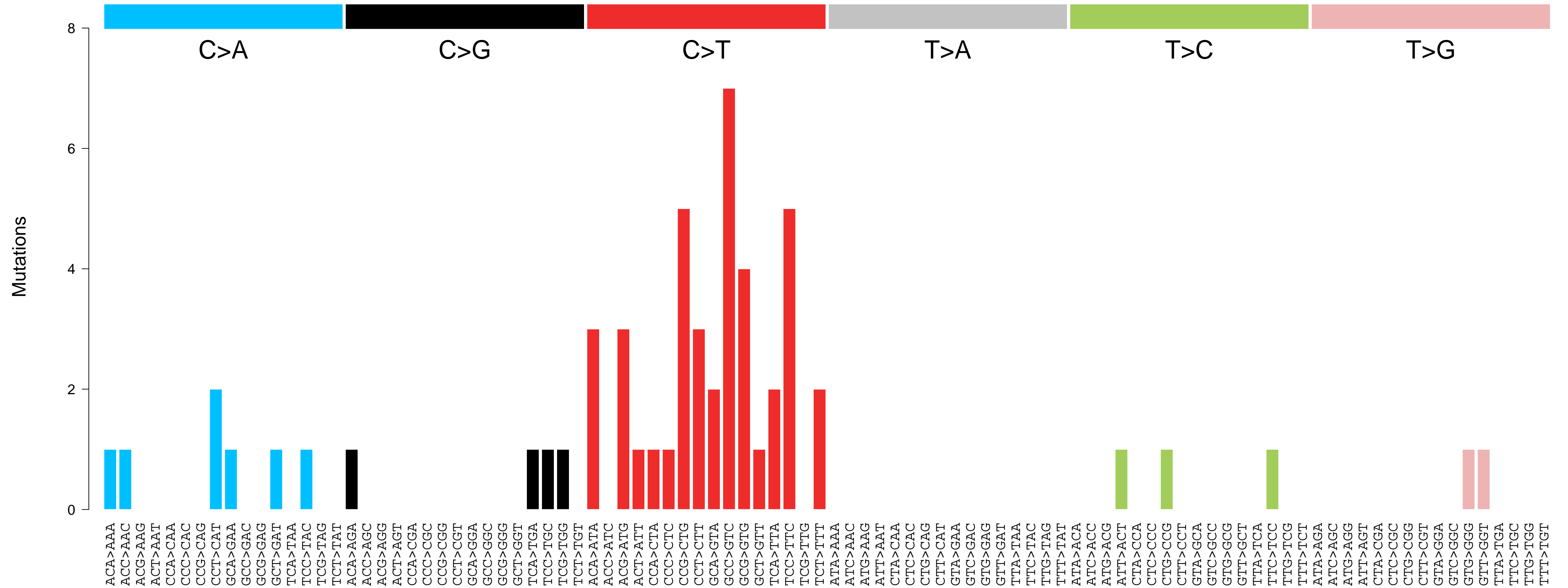
Mutational spectrum #16
(58 mutations)



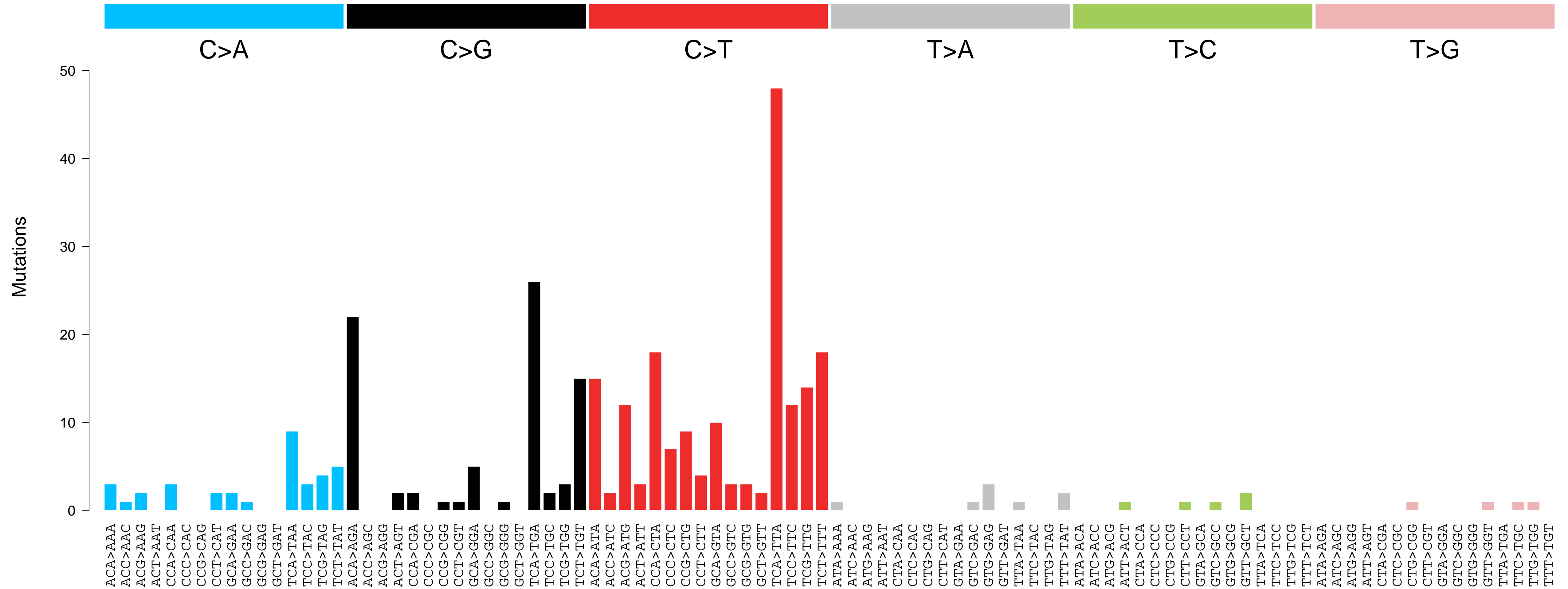
Mutational spectrum #17
(138 mutations)



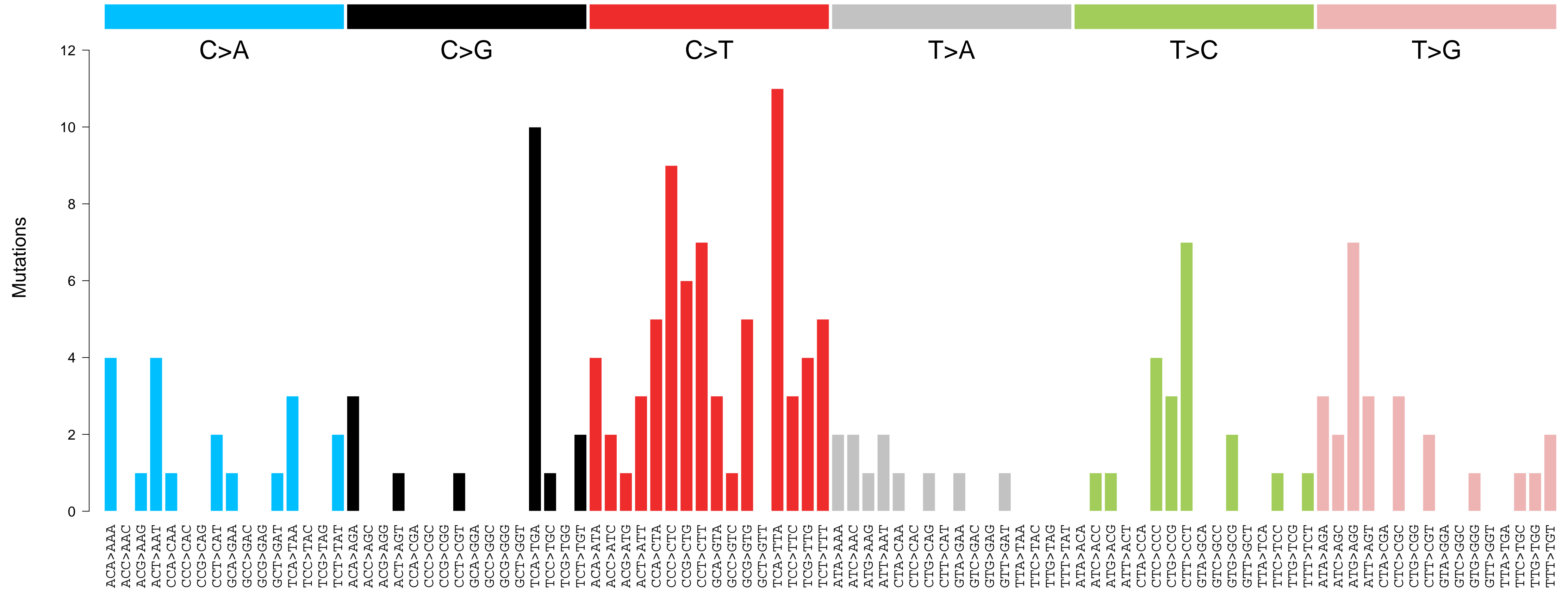
Mutational spectrum #18
(56 mutations)



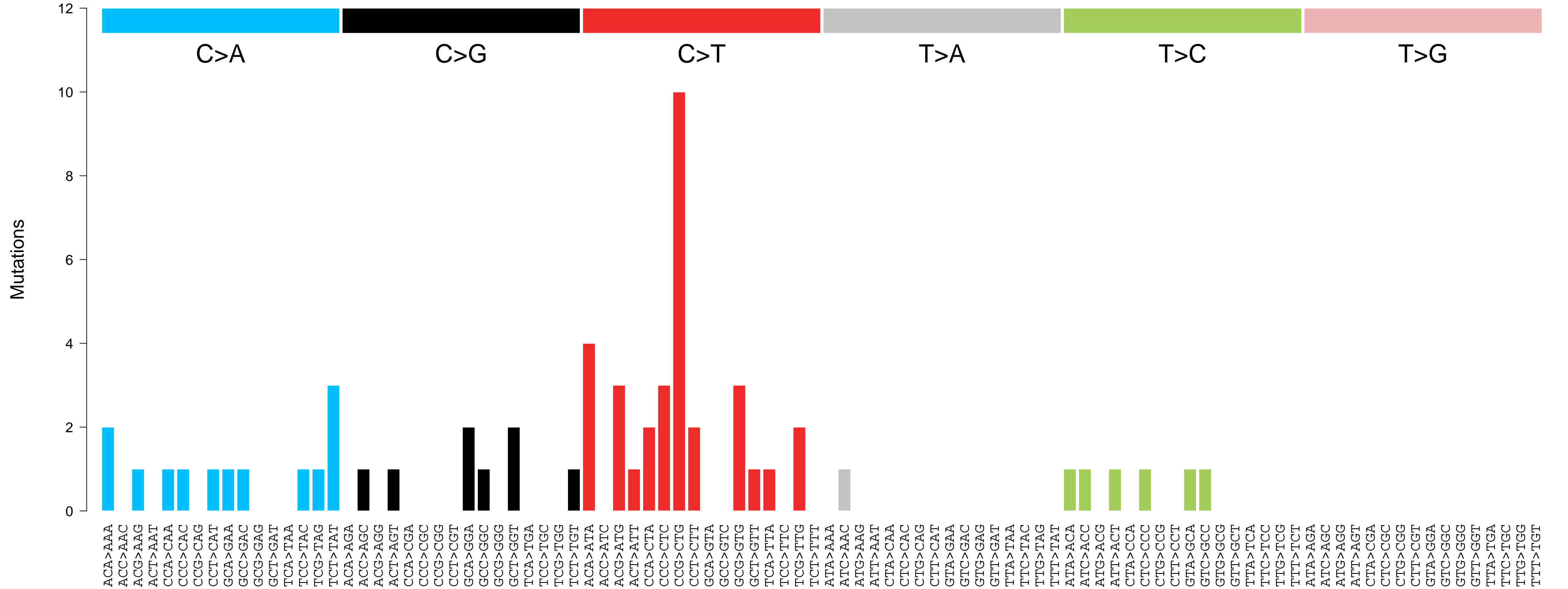
Mutational spectrum #19
(312 mutations)



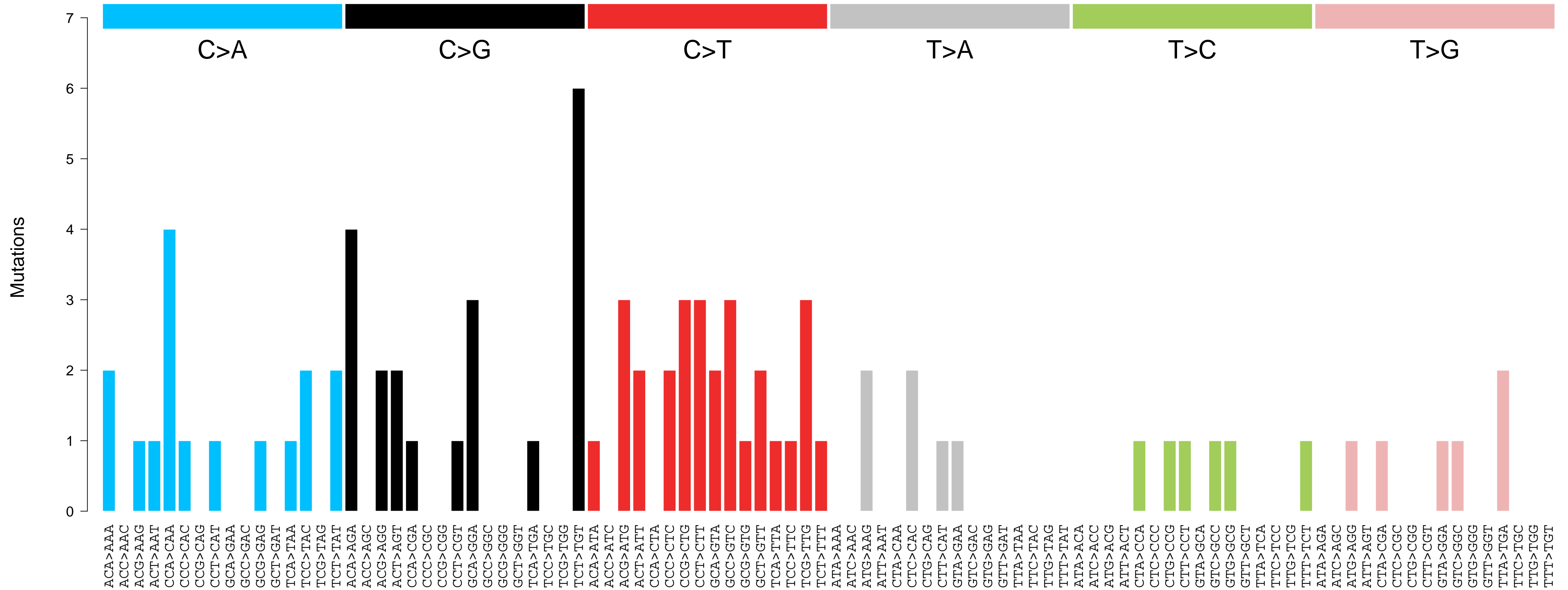
Mutational spectrum #20
(162 mutations)



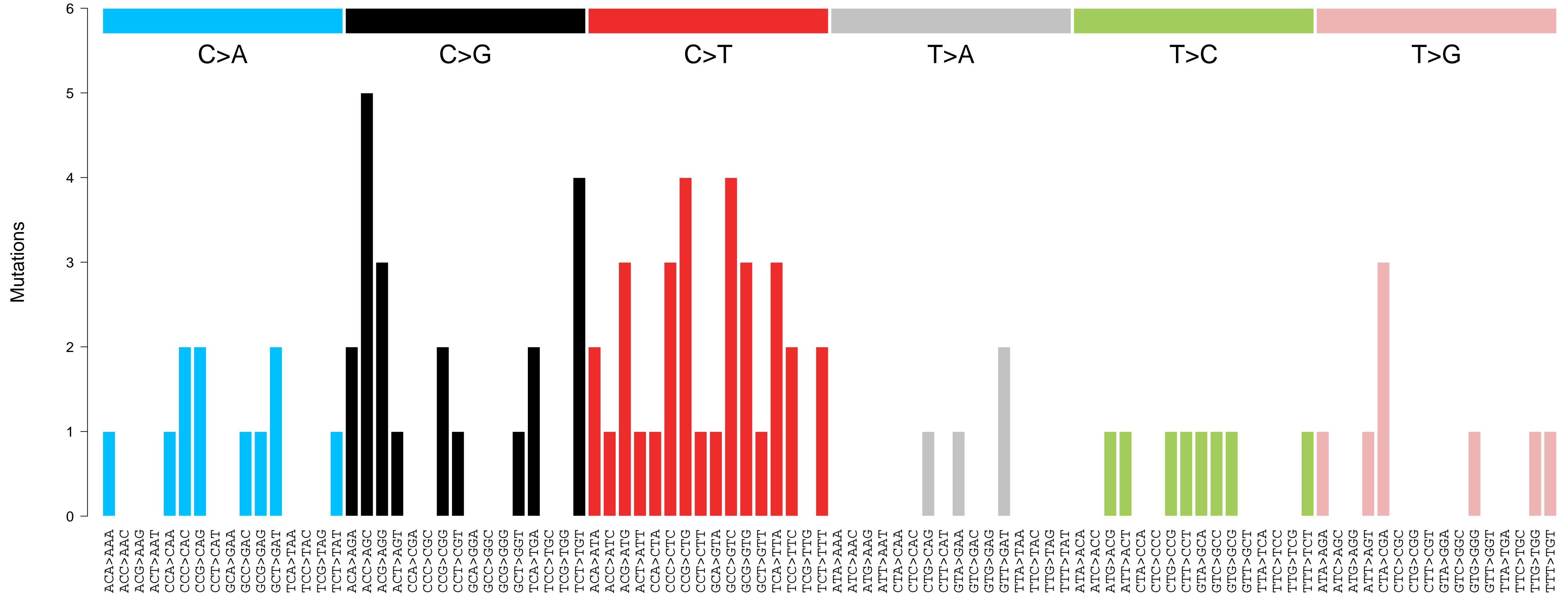
Mutational spectrum #21
(60 mutations)



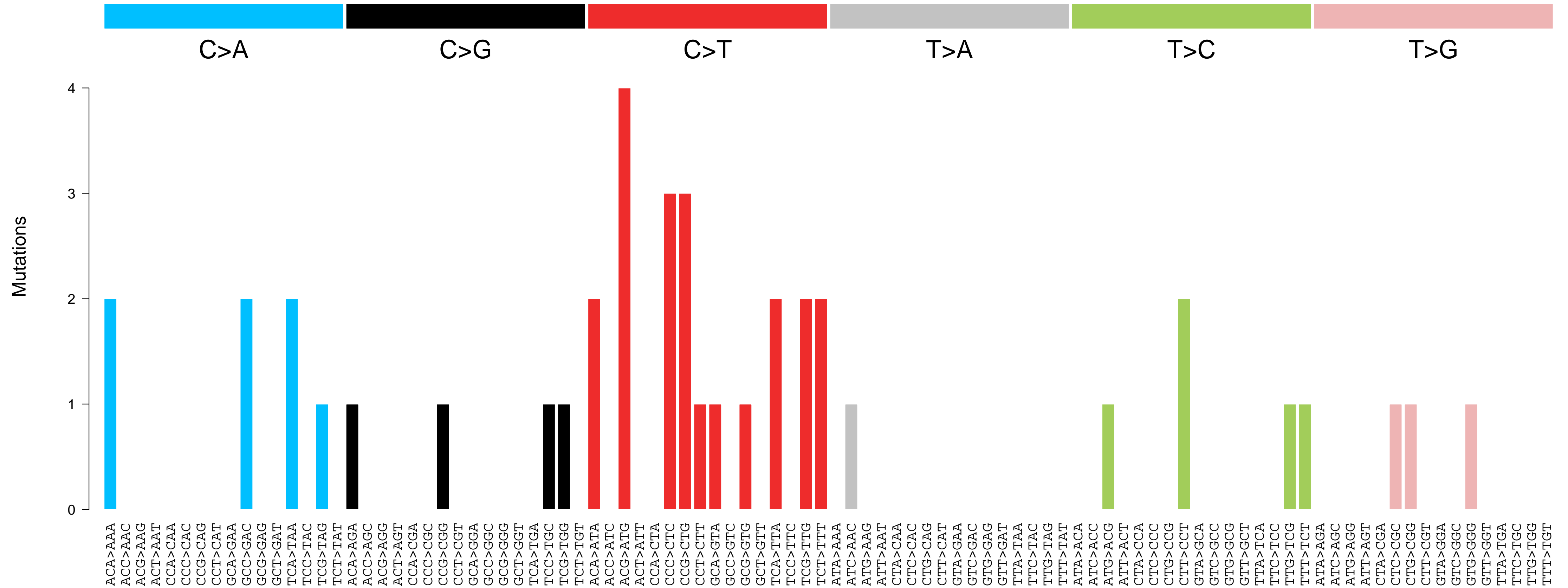
Mutational spectrum #22
(82 mutations)



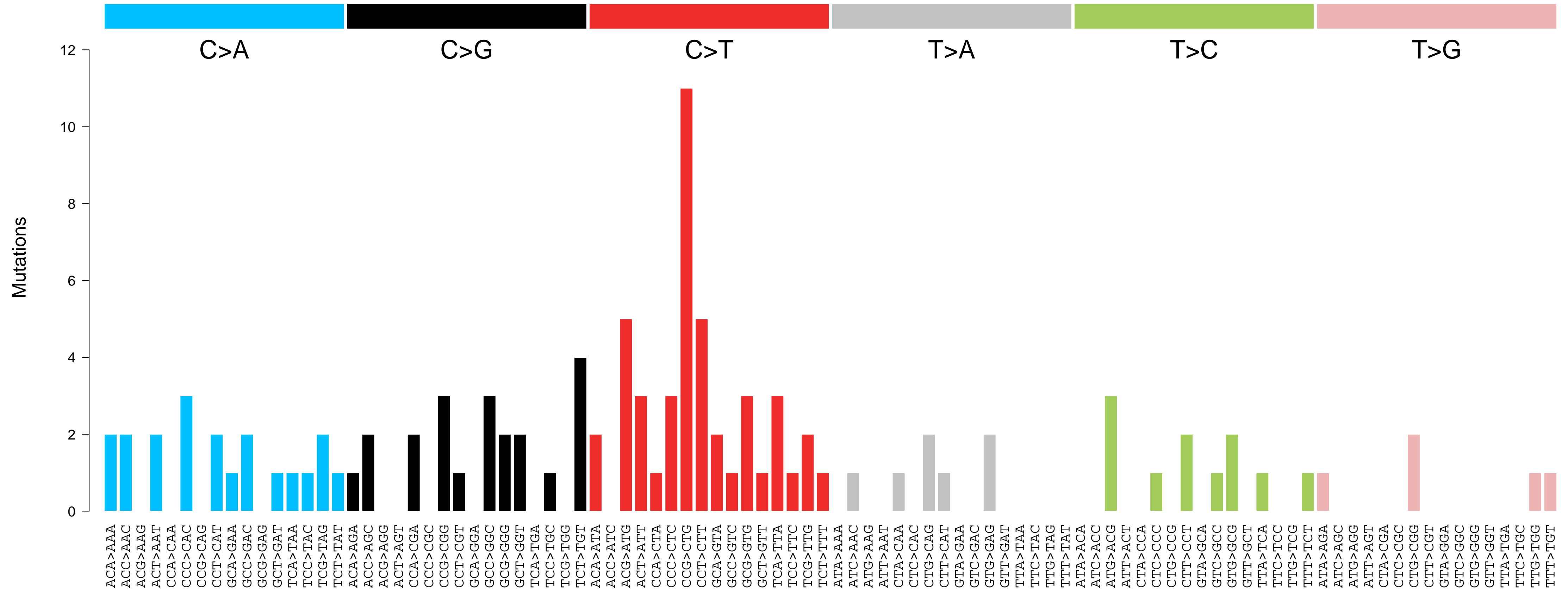
Mutational spectrum #23
(84 mutations)



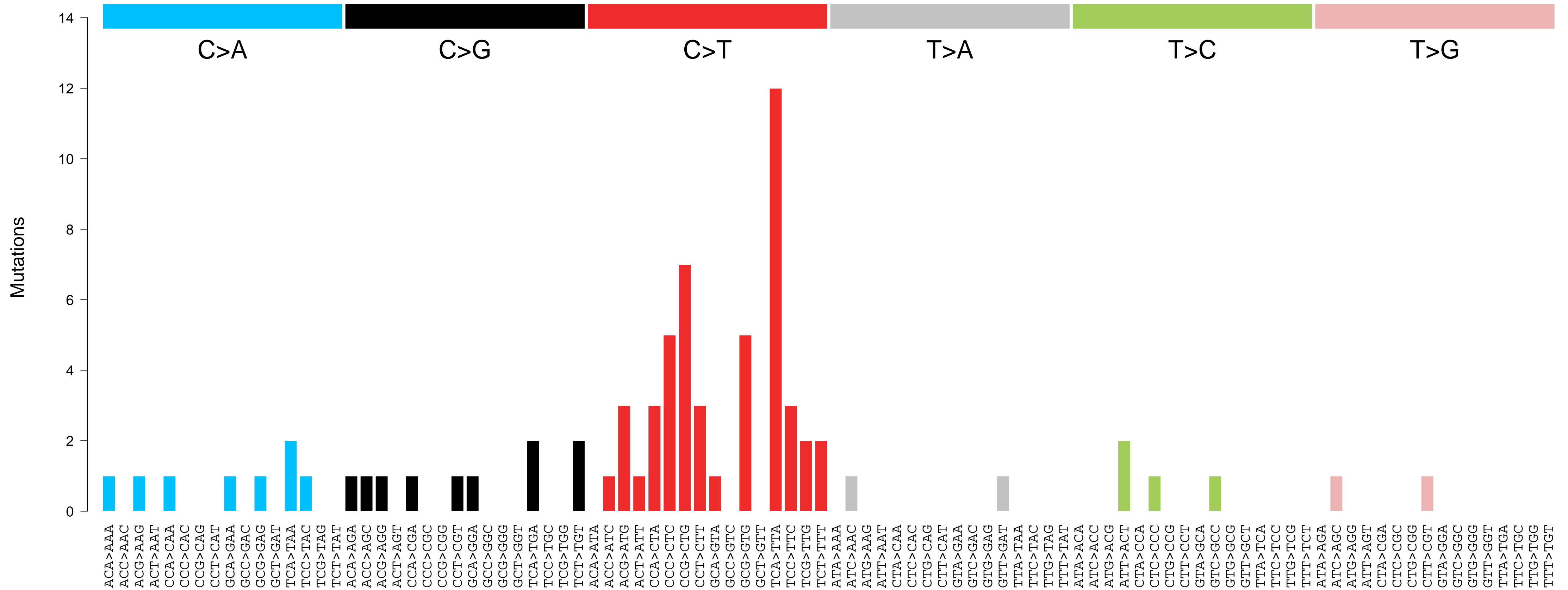
Mutational spectrum #24
(41 mutations)



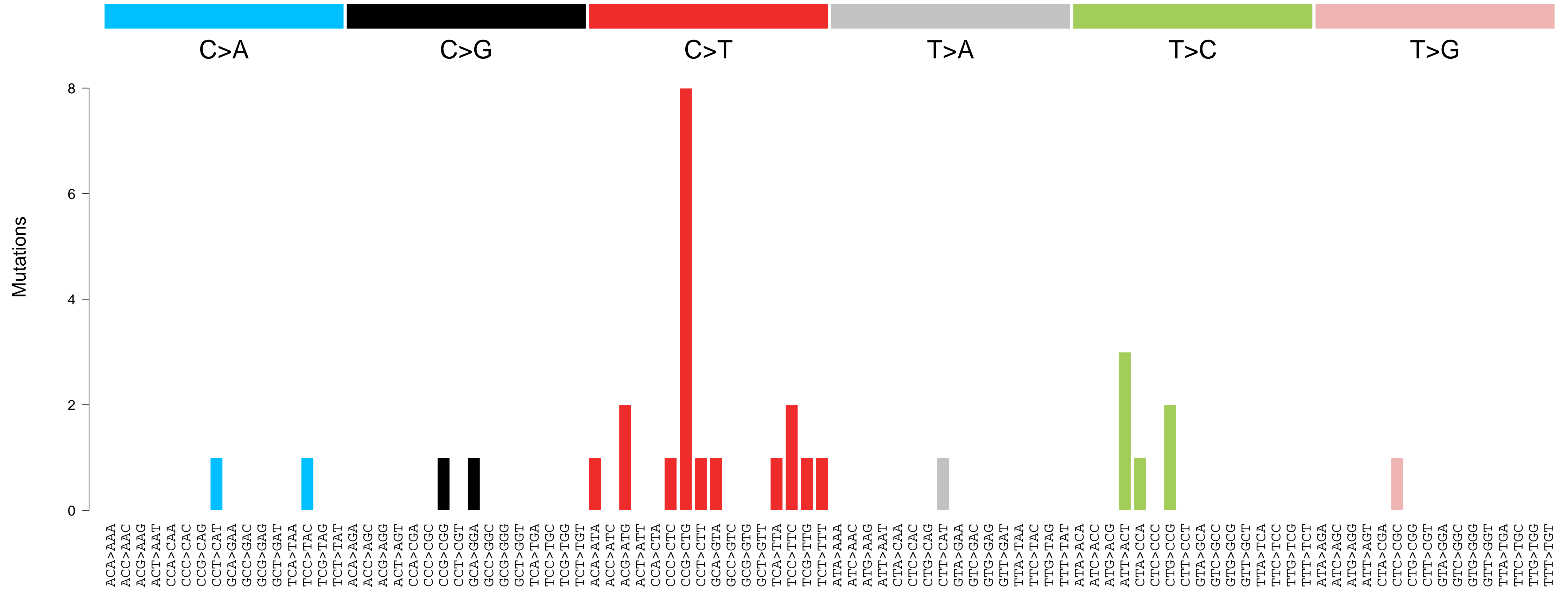
Mutational spectrum #25
(108 mutations)



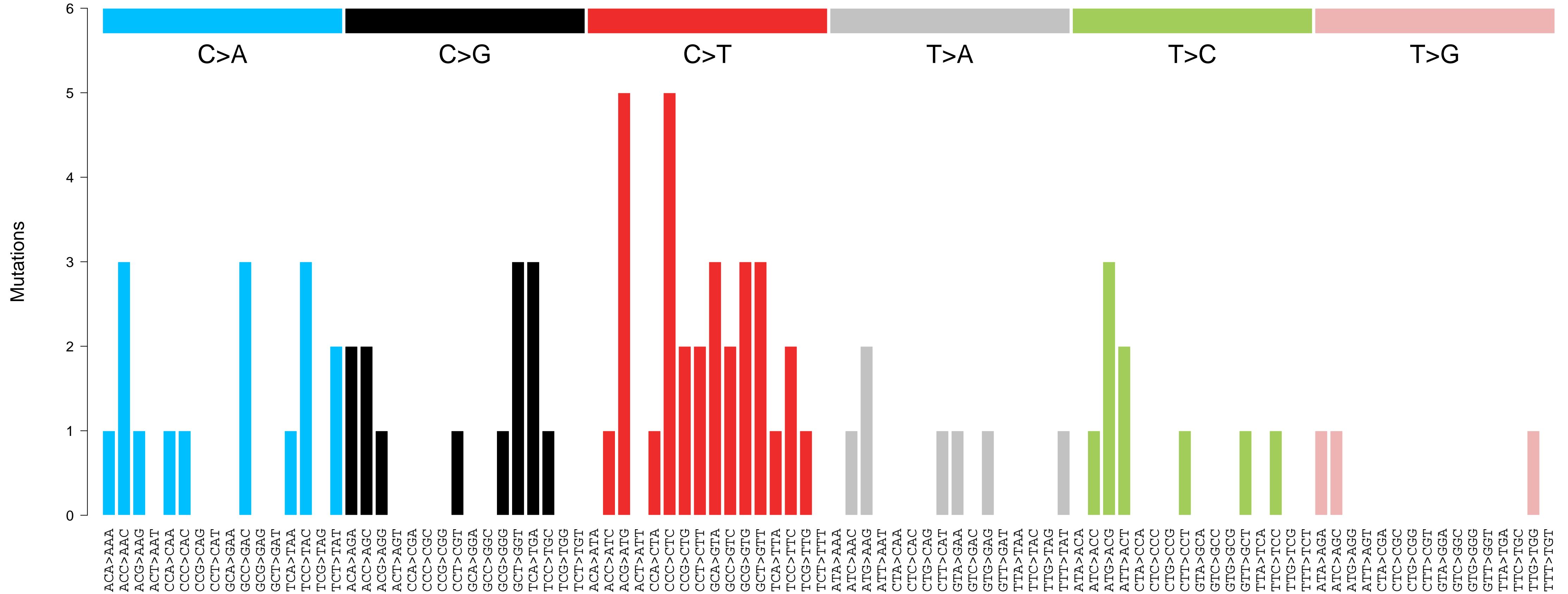
Mutational spectrum #26
(74 mutations)



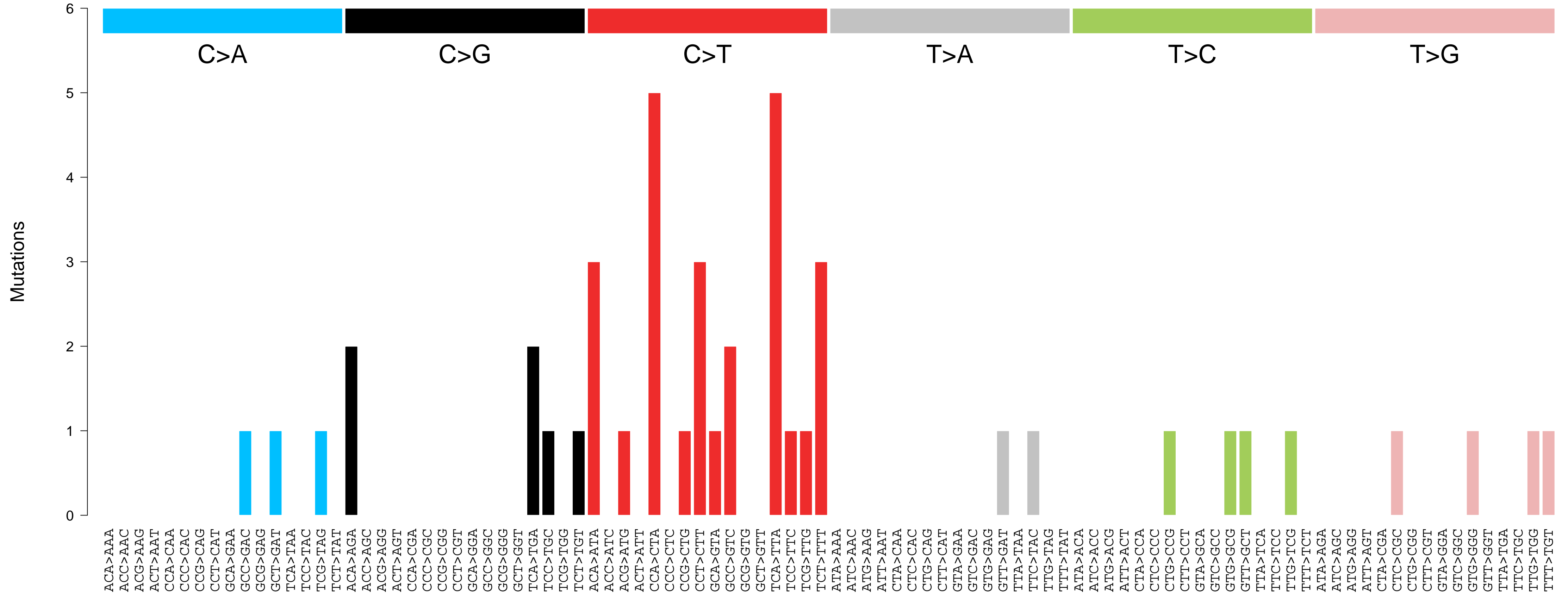
Mutational spectrum #27
(31 mutations)



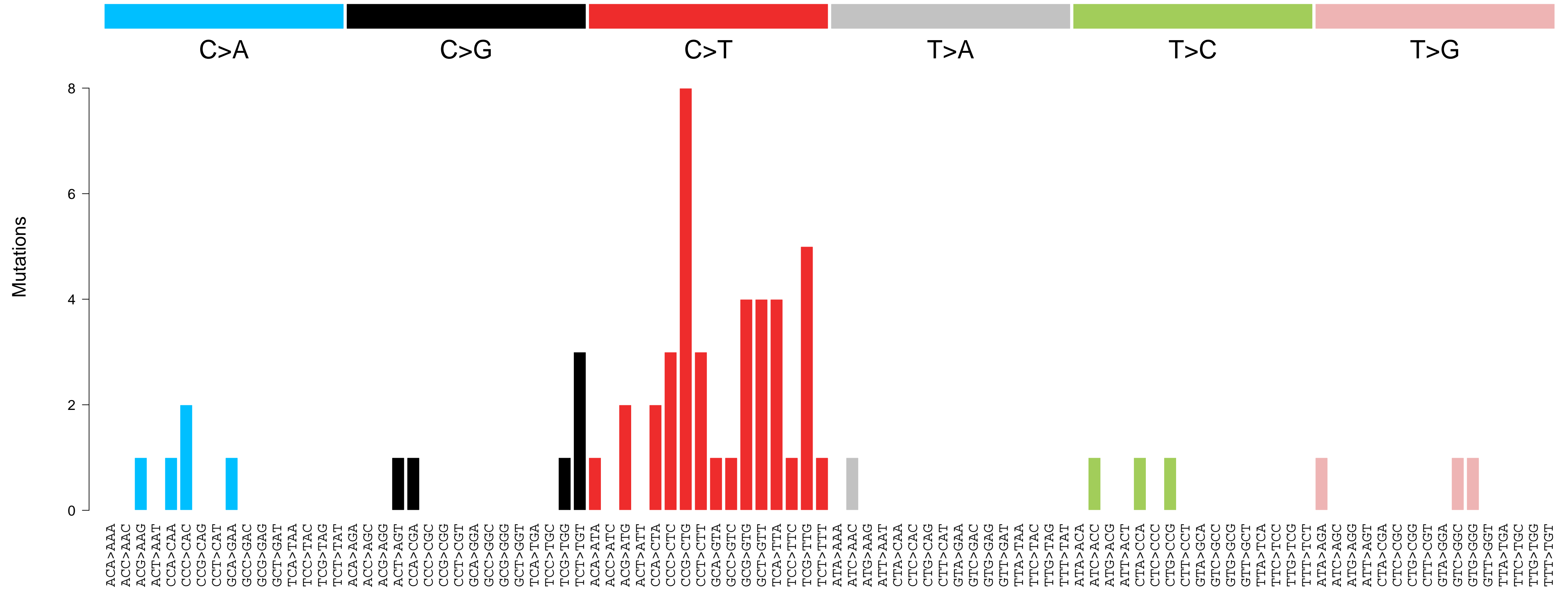
Mutational spectrum #28
(80 mutations)



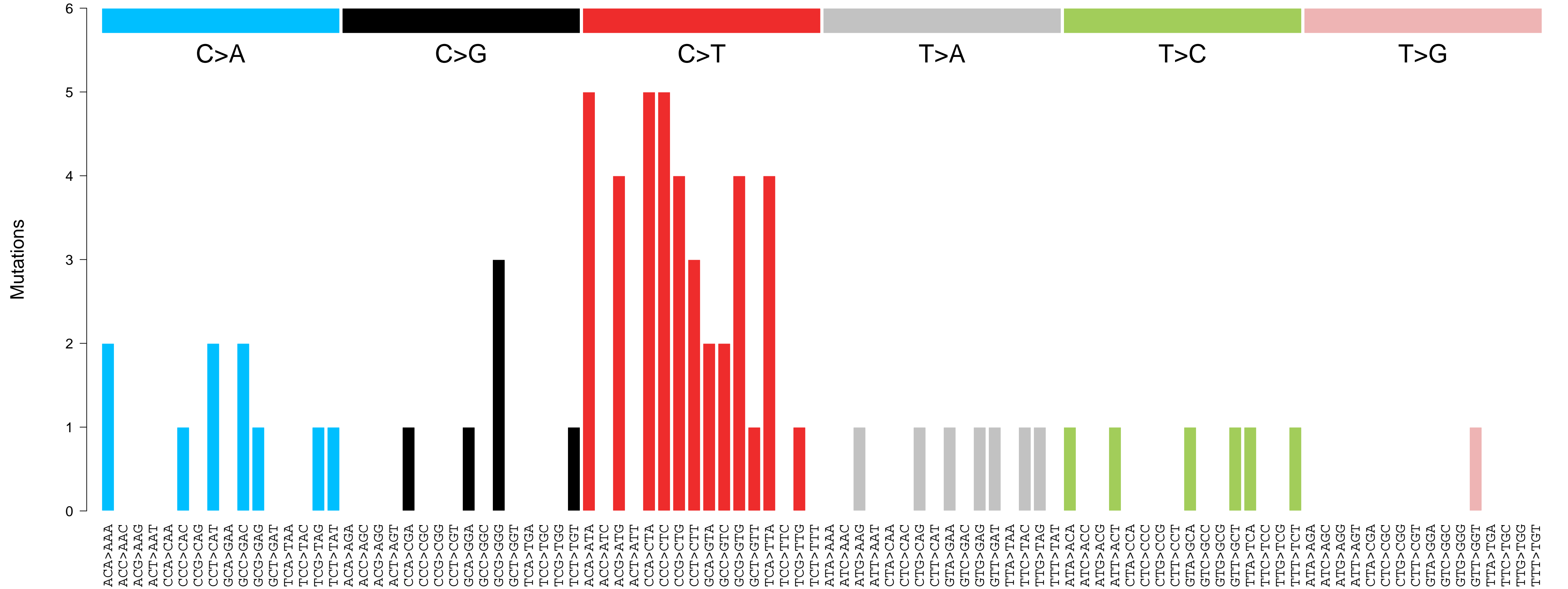
Mutational spectrum #29
(45 mutations)



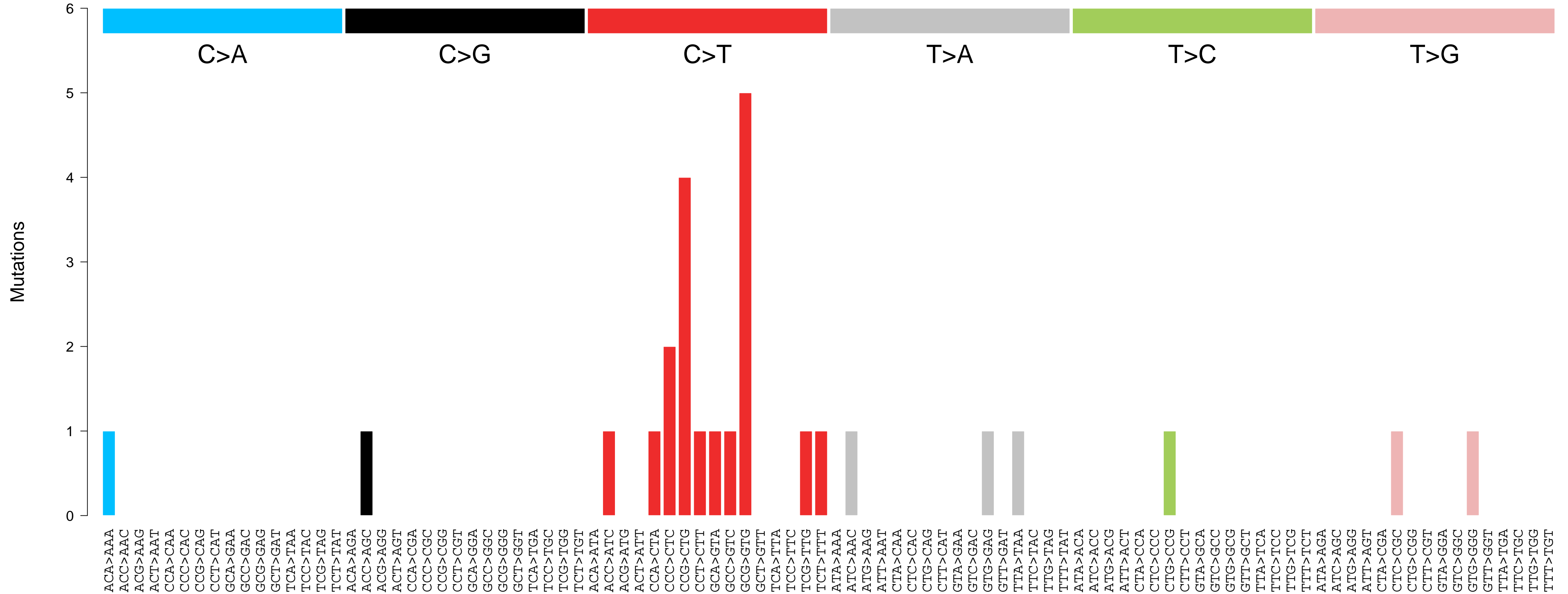
Mutational spectrum #30
(58 mutations)



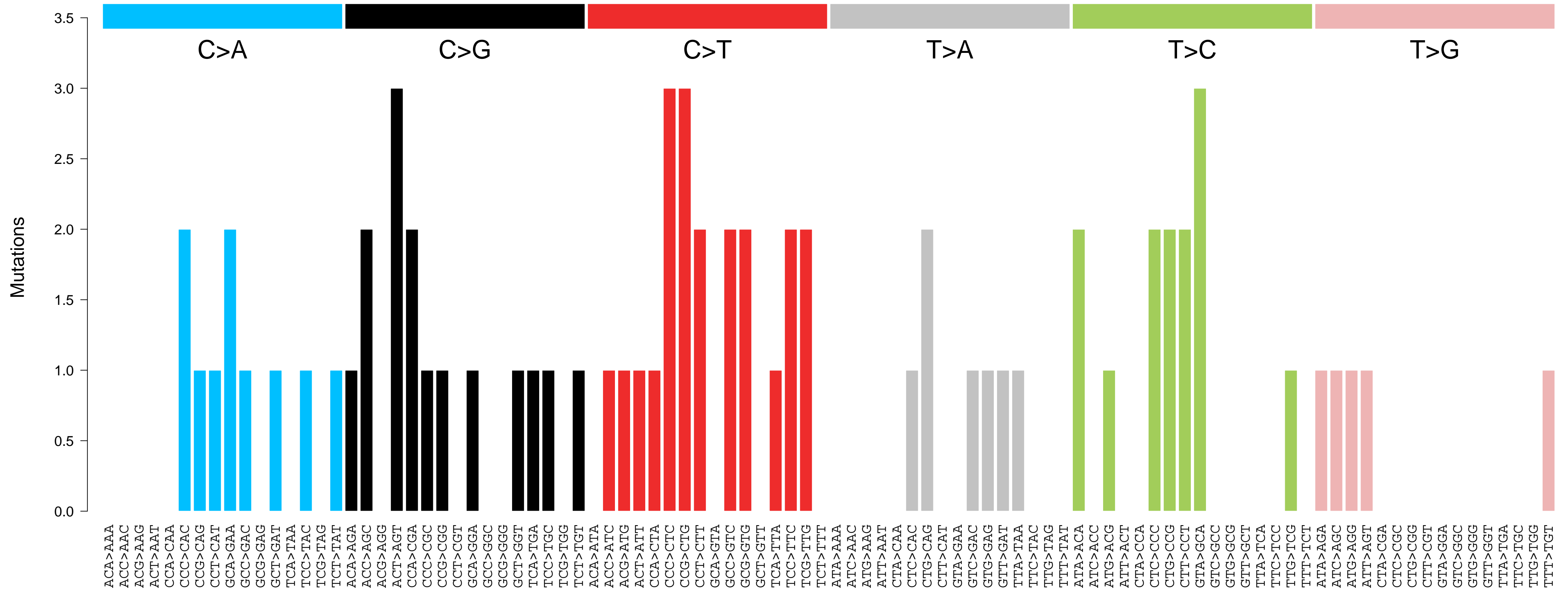
Mutational spectrum #31
(70 mutations)



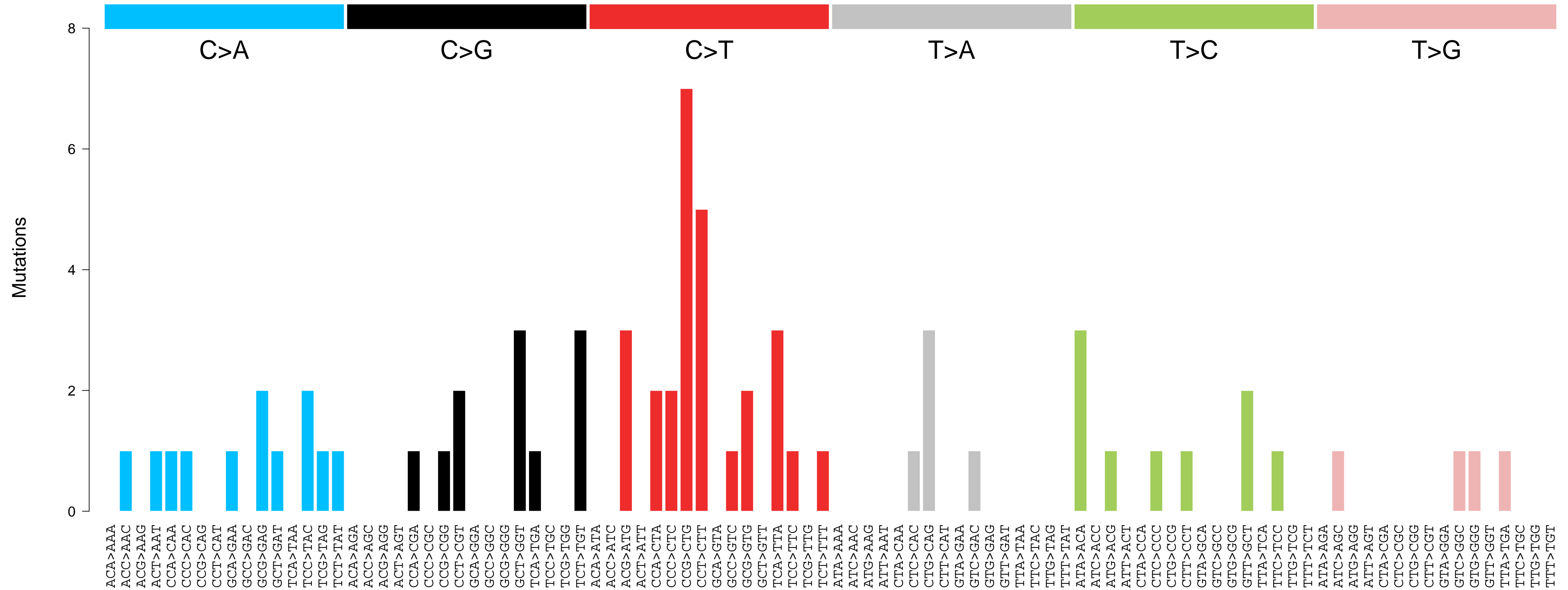
Mutational spectrum #32
(26 mutations)



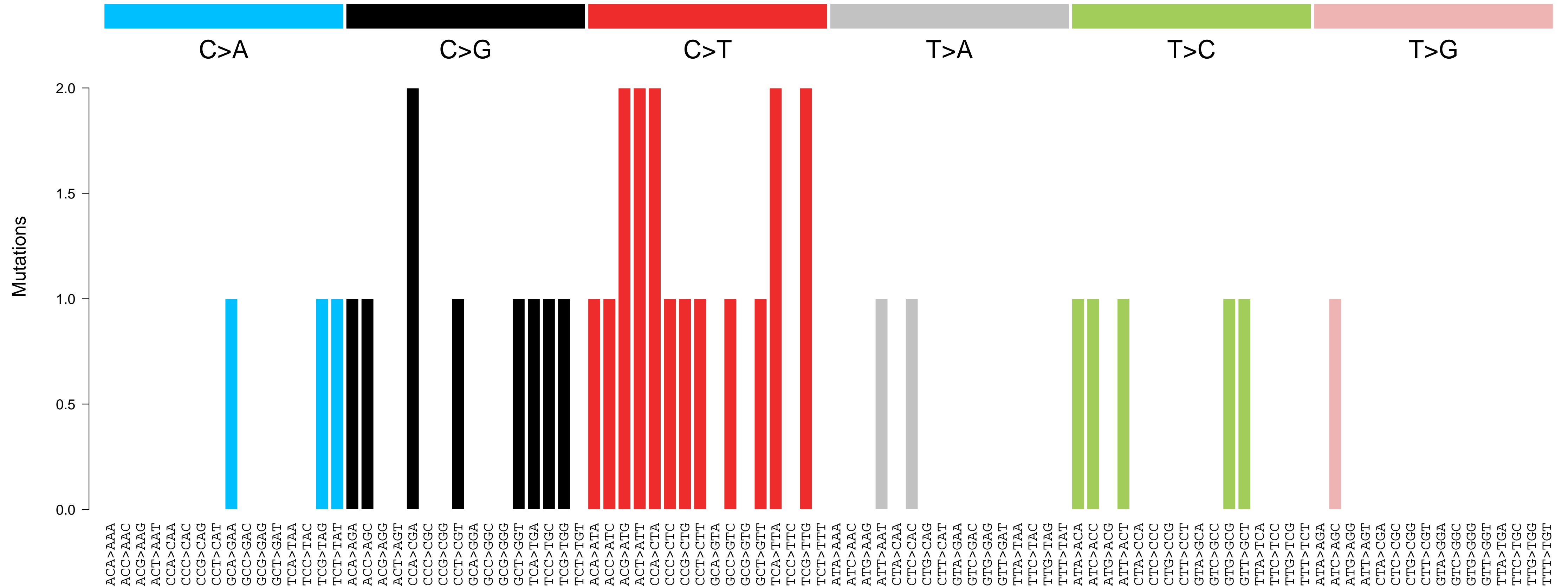
Mutational spectrum #33
(71 mutations)



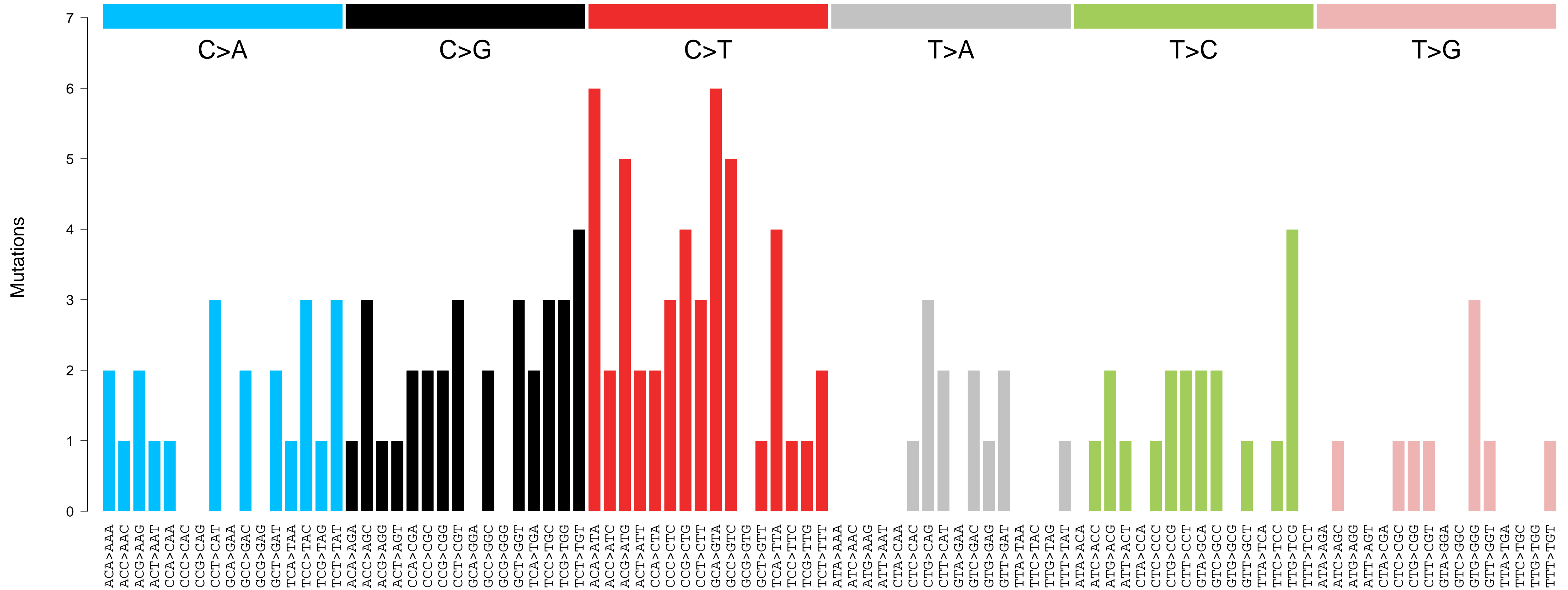
Mutational spectrum #34
(68 mutations)



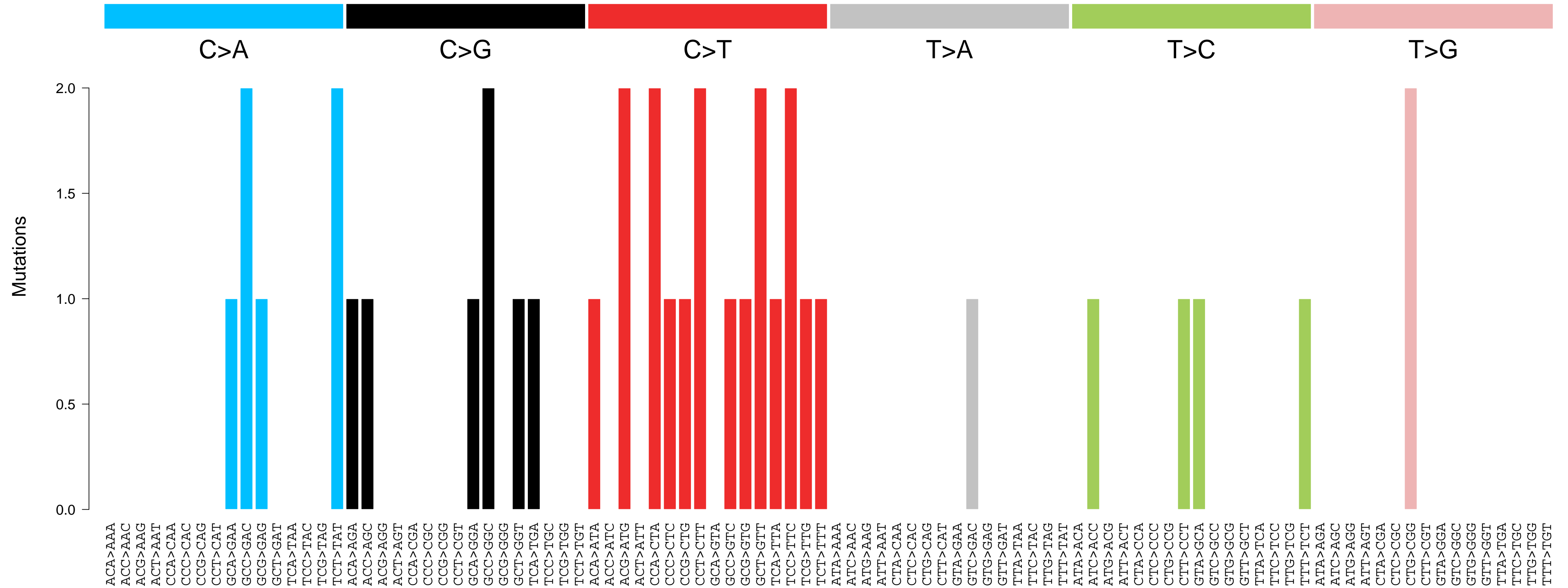
Mutational spectrum #35
(37 mutations)



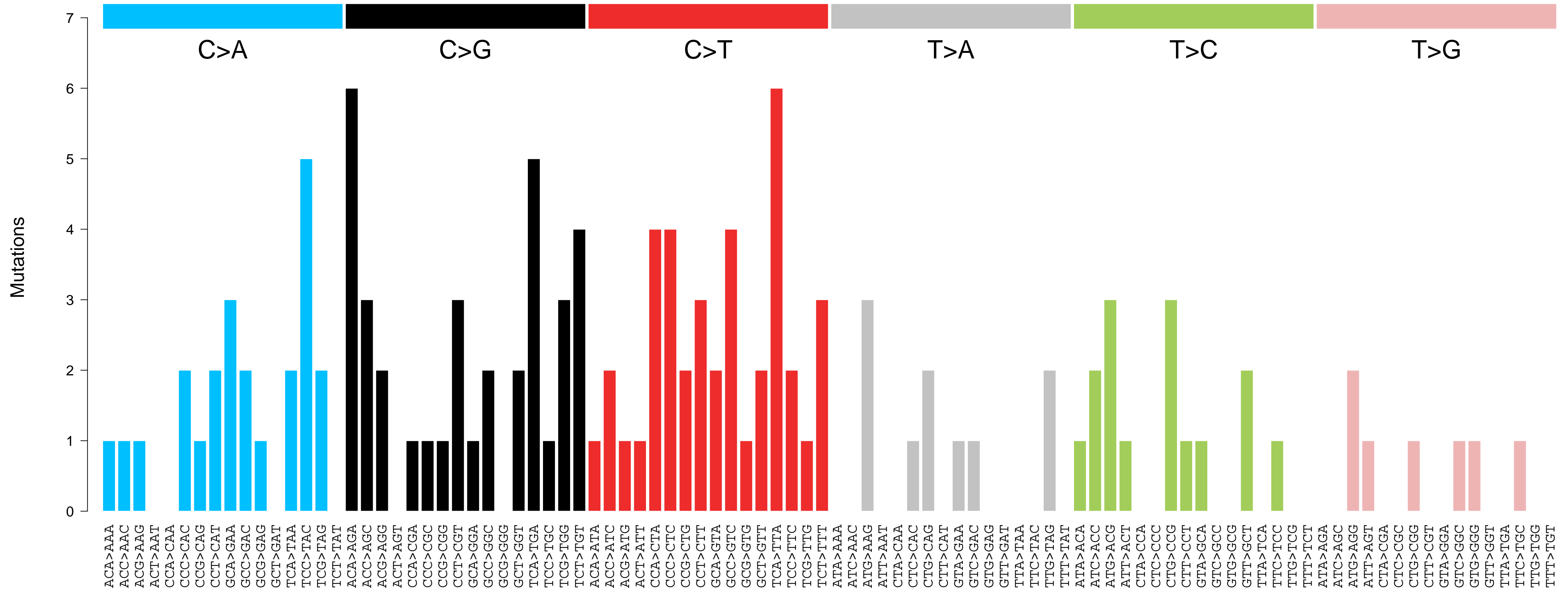
Mutational spectrum #36
(141 mutations)



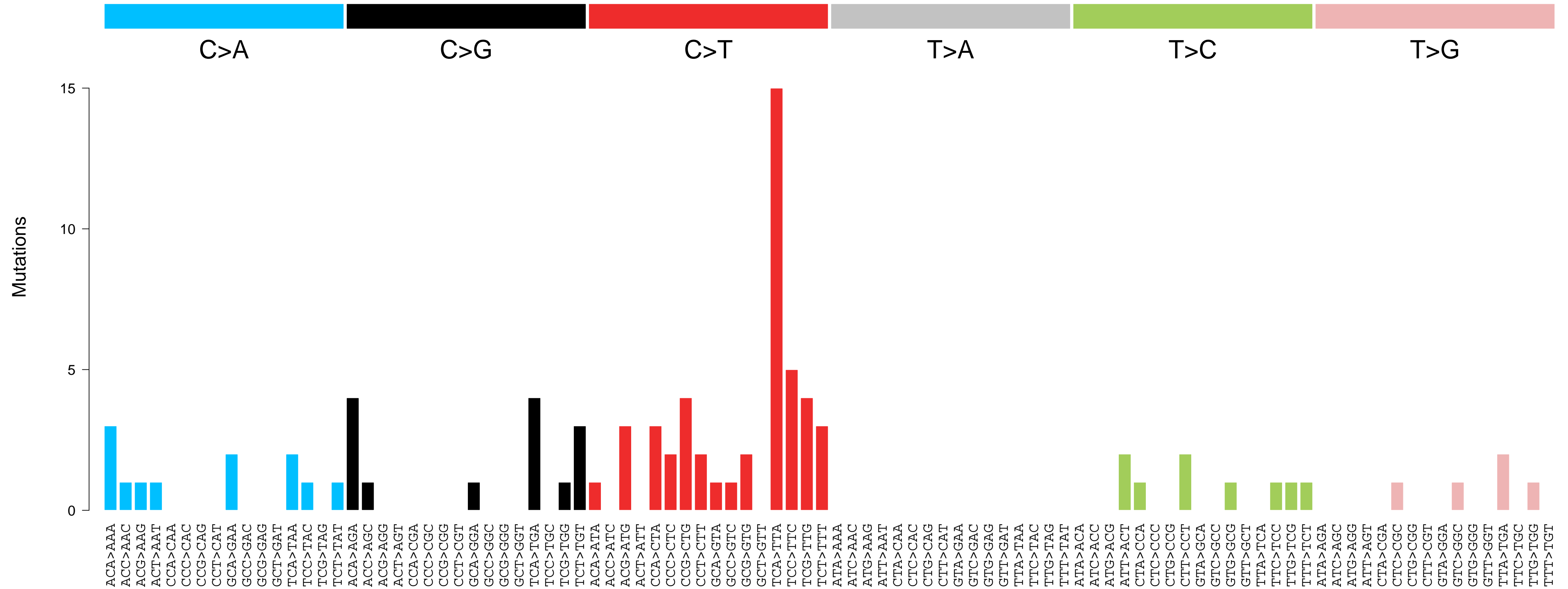
Mutational spectrum #37
(38 mutations)



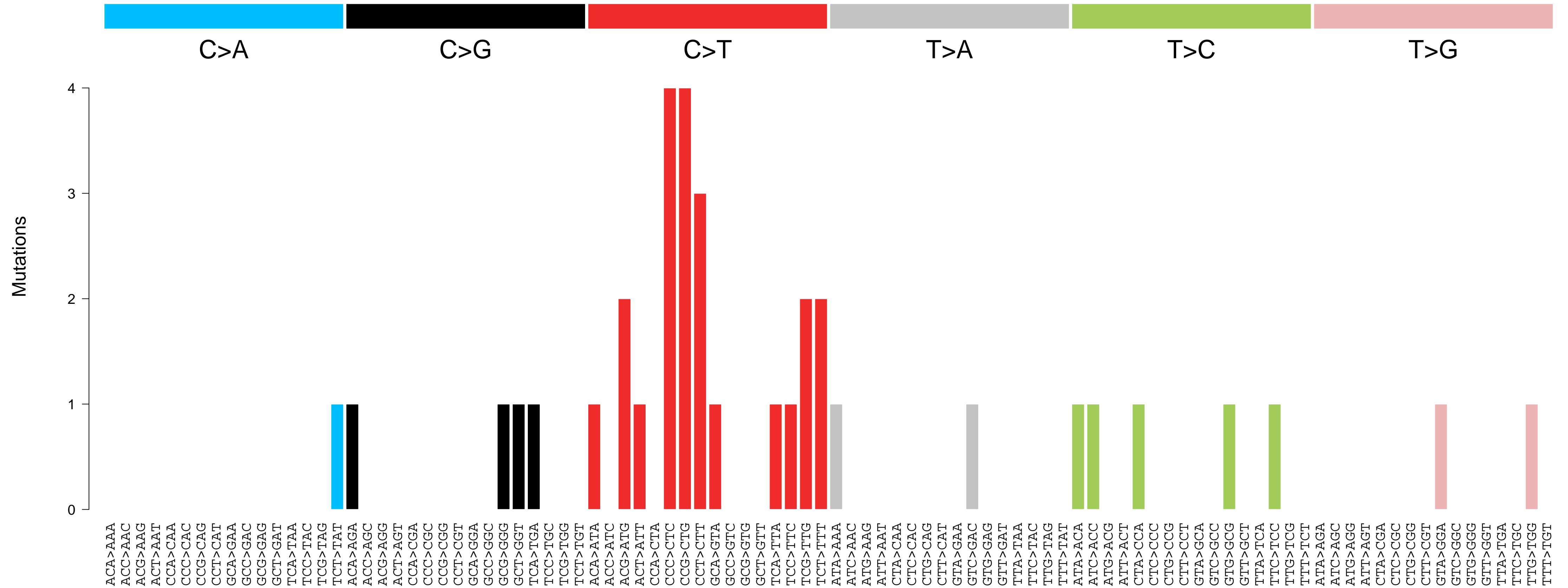
Mutational spectrum #38
(129 mutations)



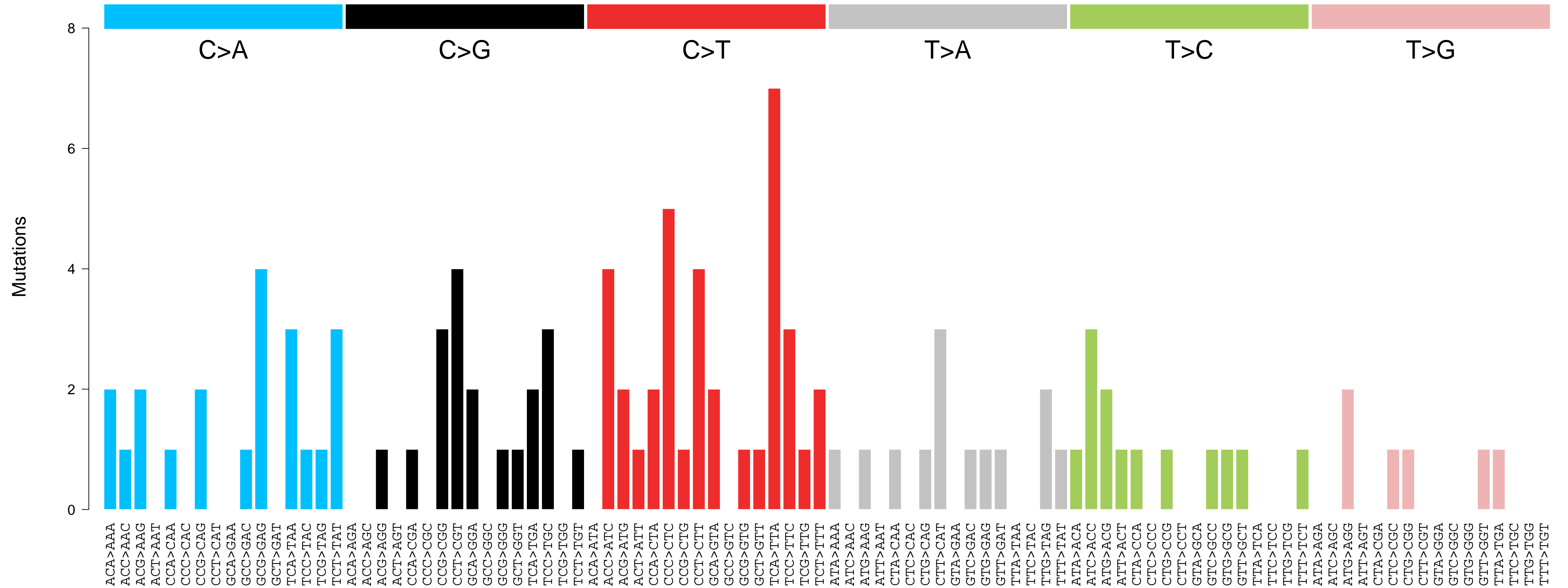
Mutational spectrum #39
(86 mutations)



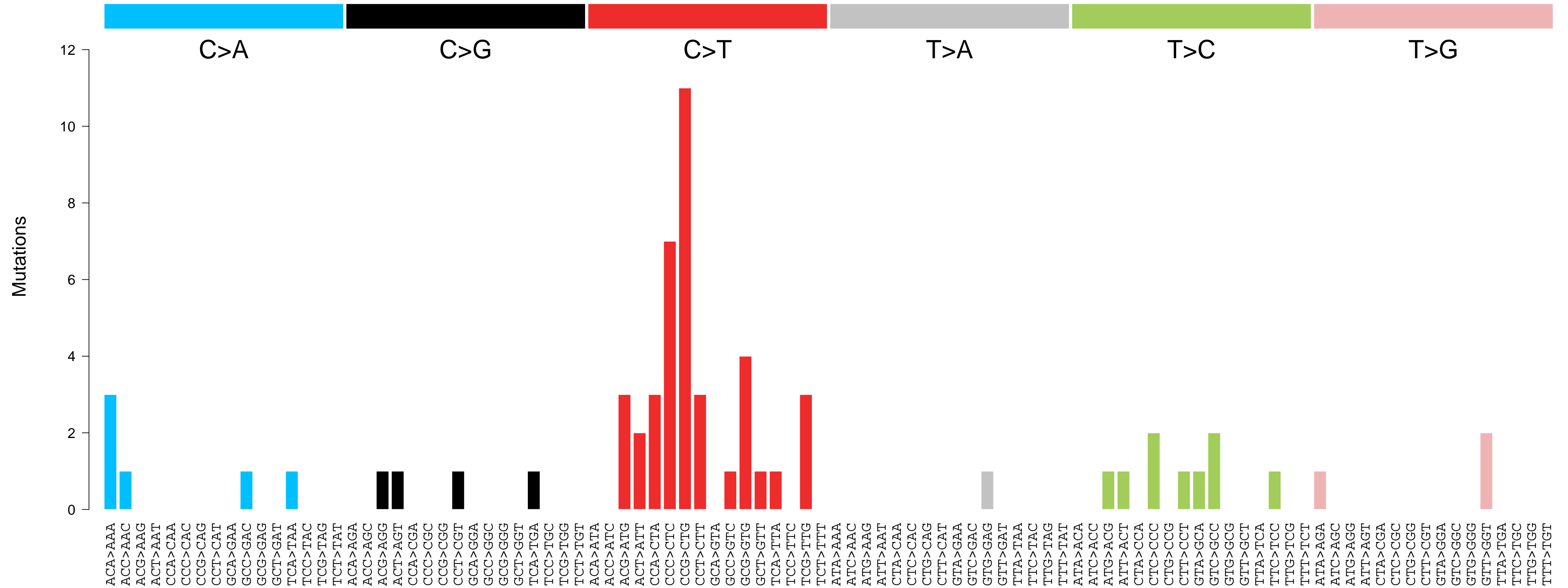
Mutational spectrum #40
(36 mutations)



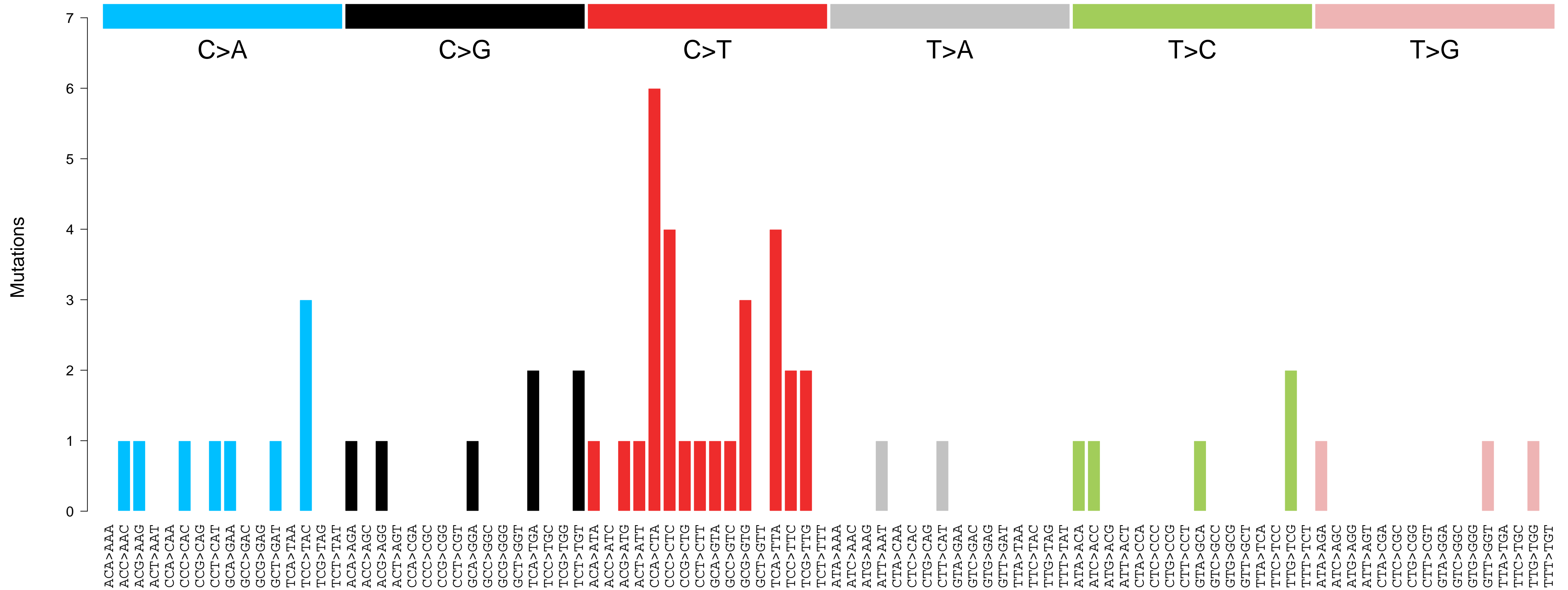
Mutational spectrum #41
(108 mutations)



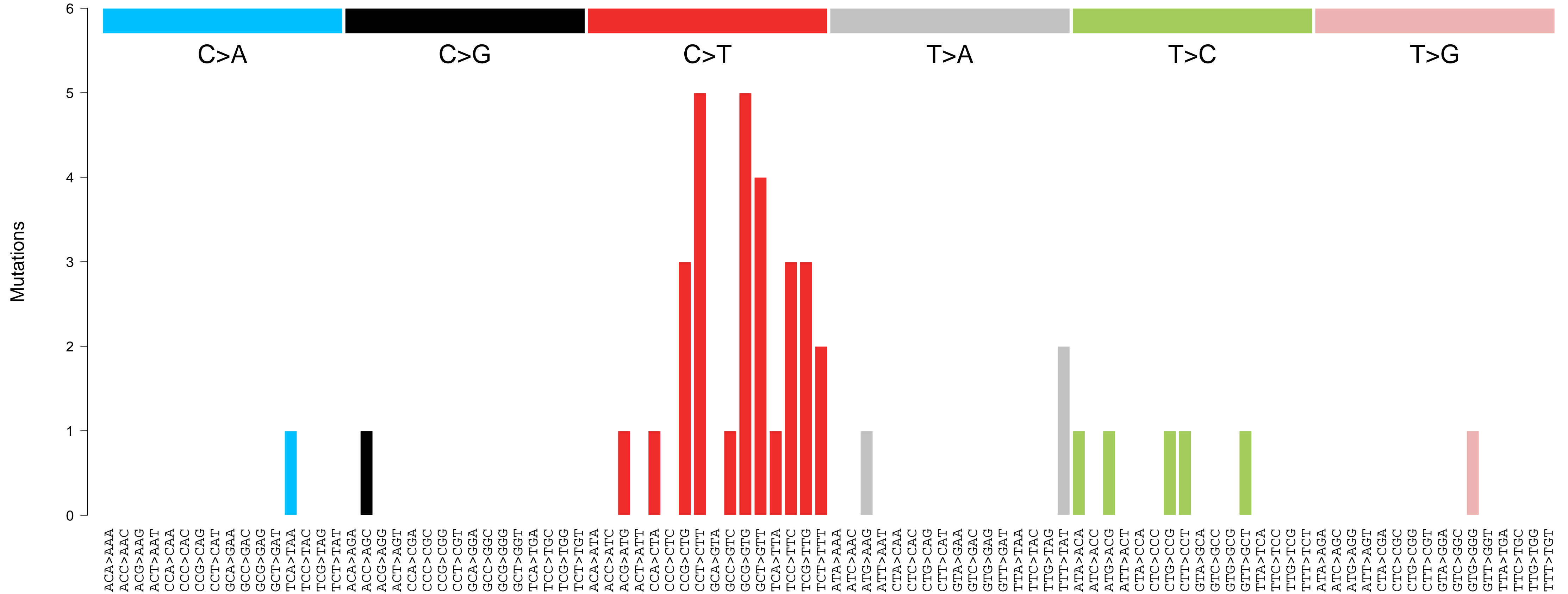
Mutational spectrum #42
(62 mutations)



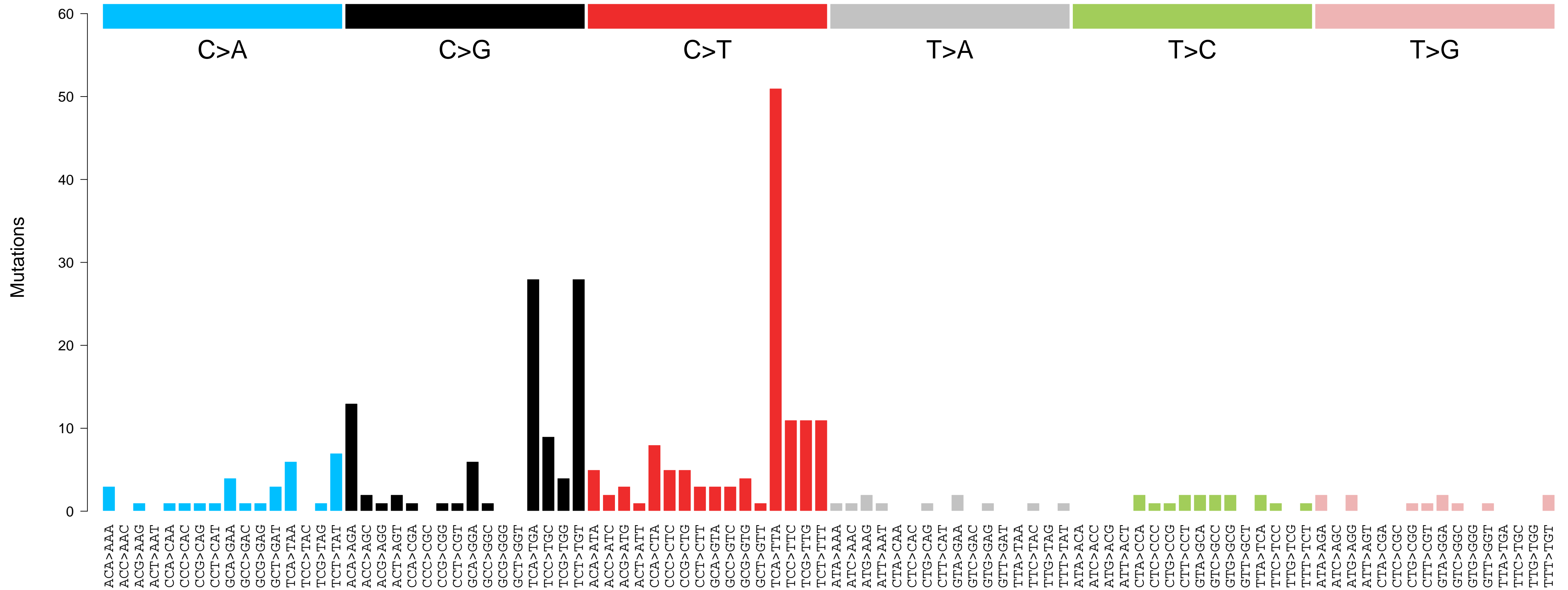
Mutational spectrum #43
(54 mutations)



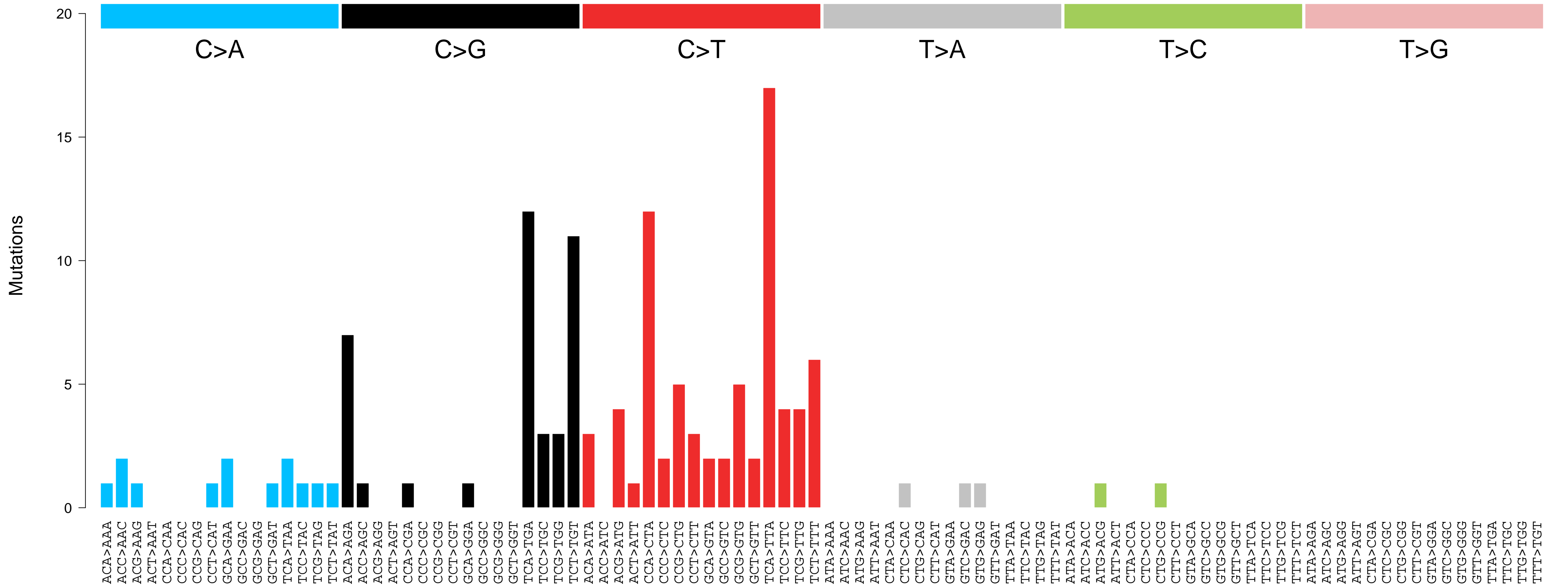
Mutational spectrum #44
(40 mutations)



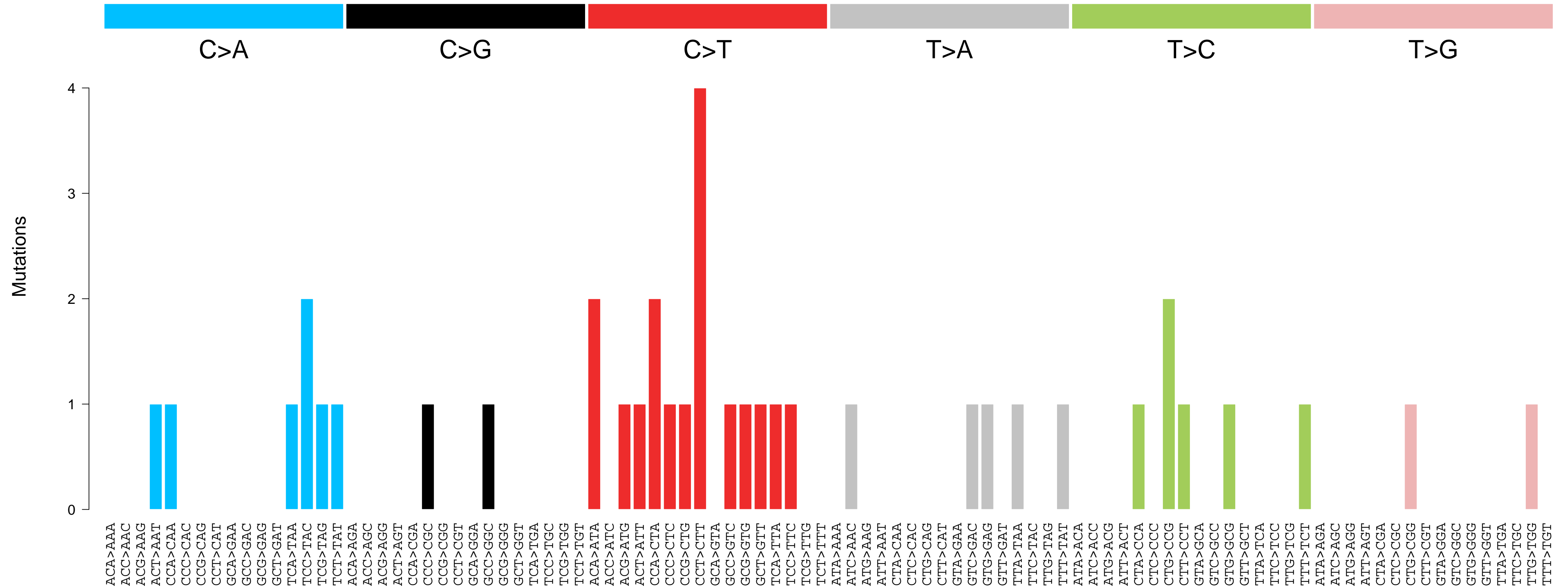
Mutational spectrum #45
(294 mutations)



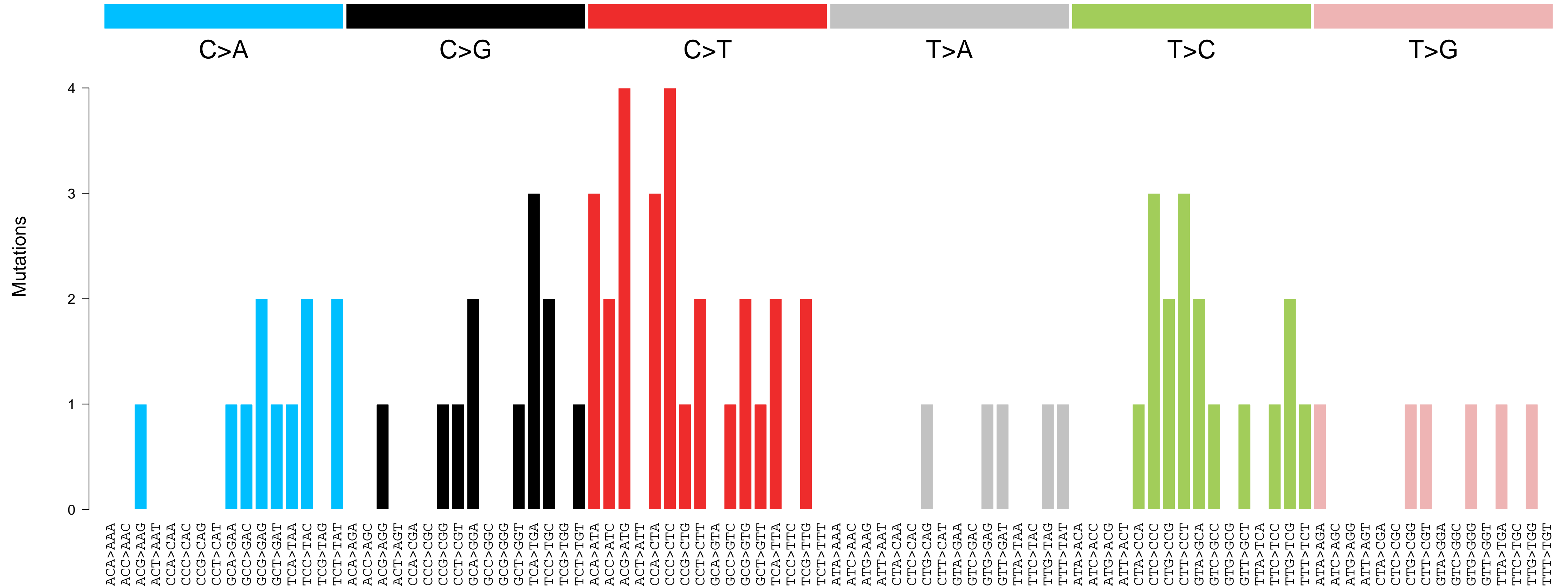
Mutational spectrum #46
(129 mutations)



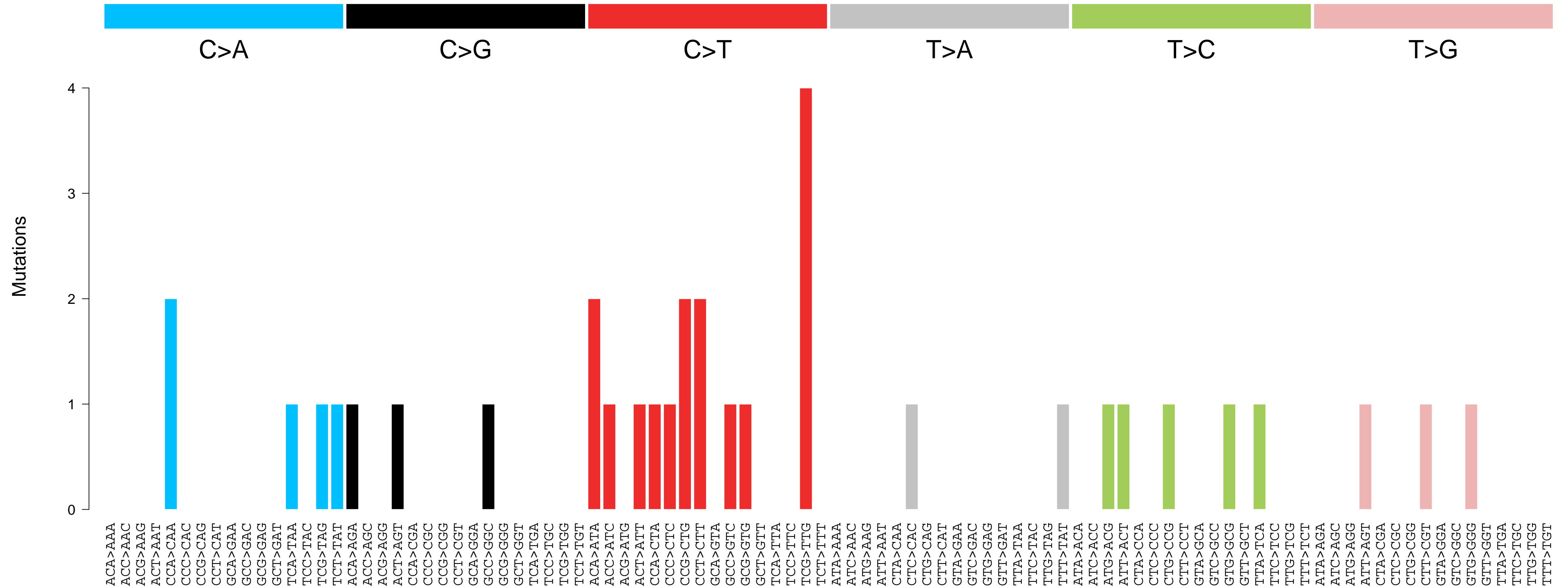
Mutational spectrum #47
(39 mutations)



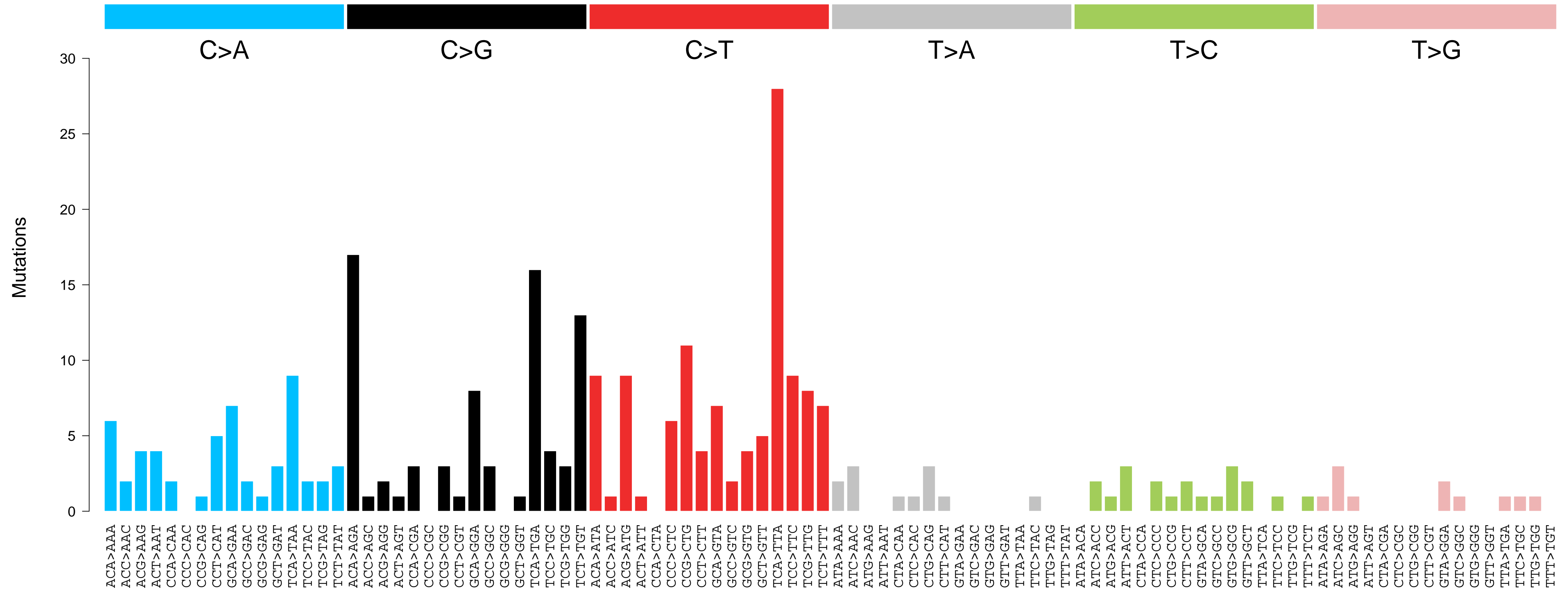
Mutational spectrum #48
(78 mutations)



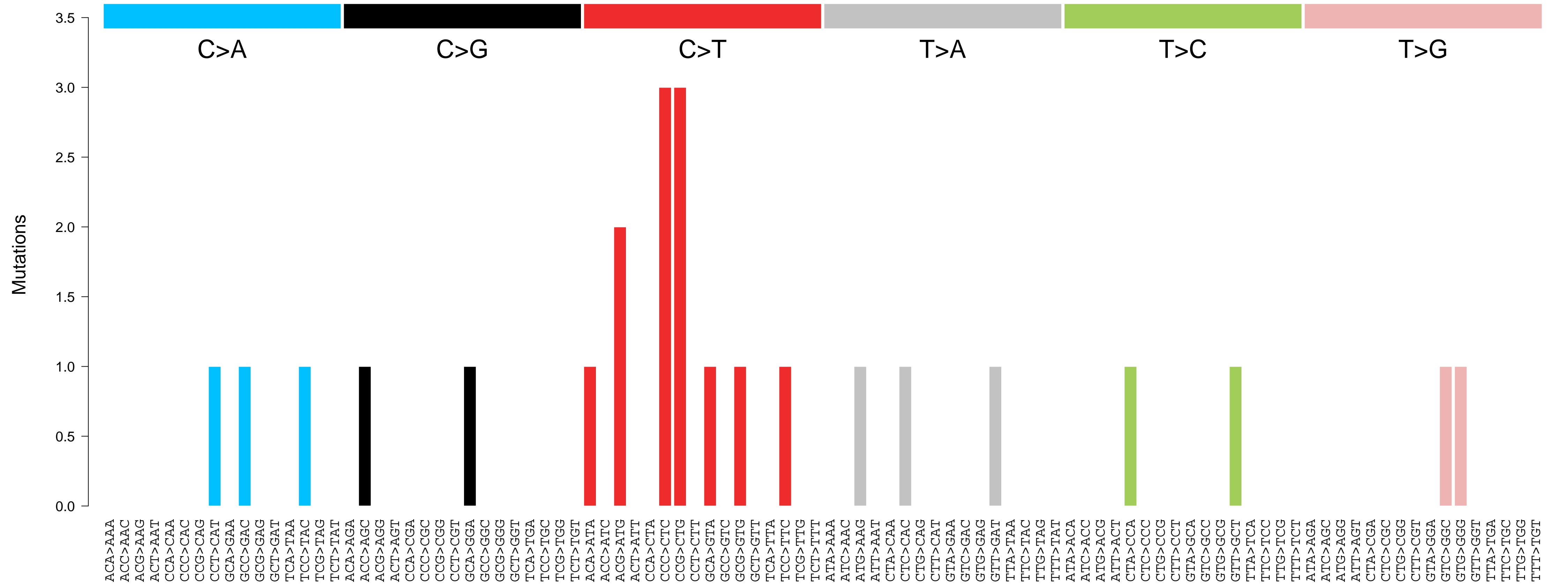
Mutational spectrum #49
(34 mutations)



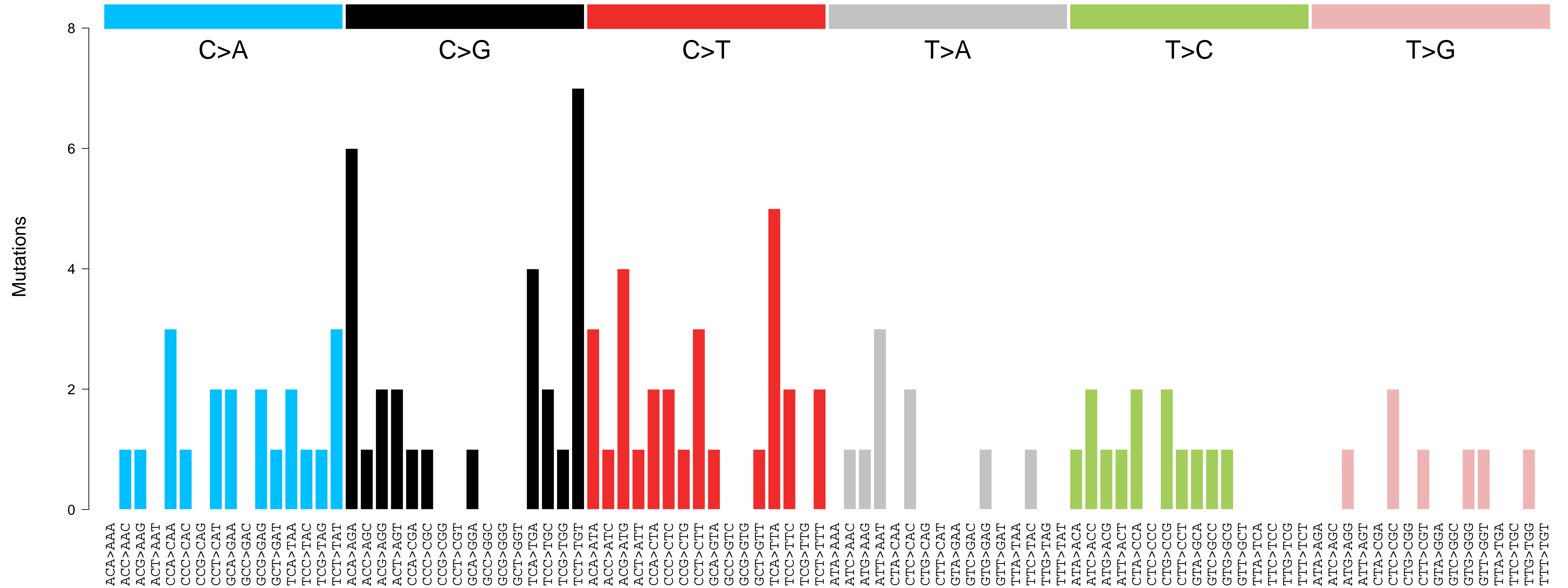
Mutational spectrum #50
(283 mutations)



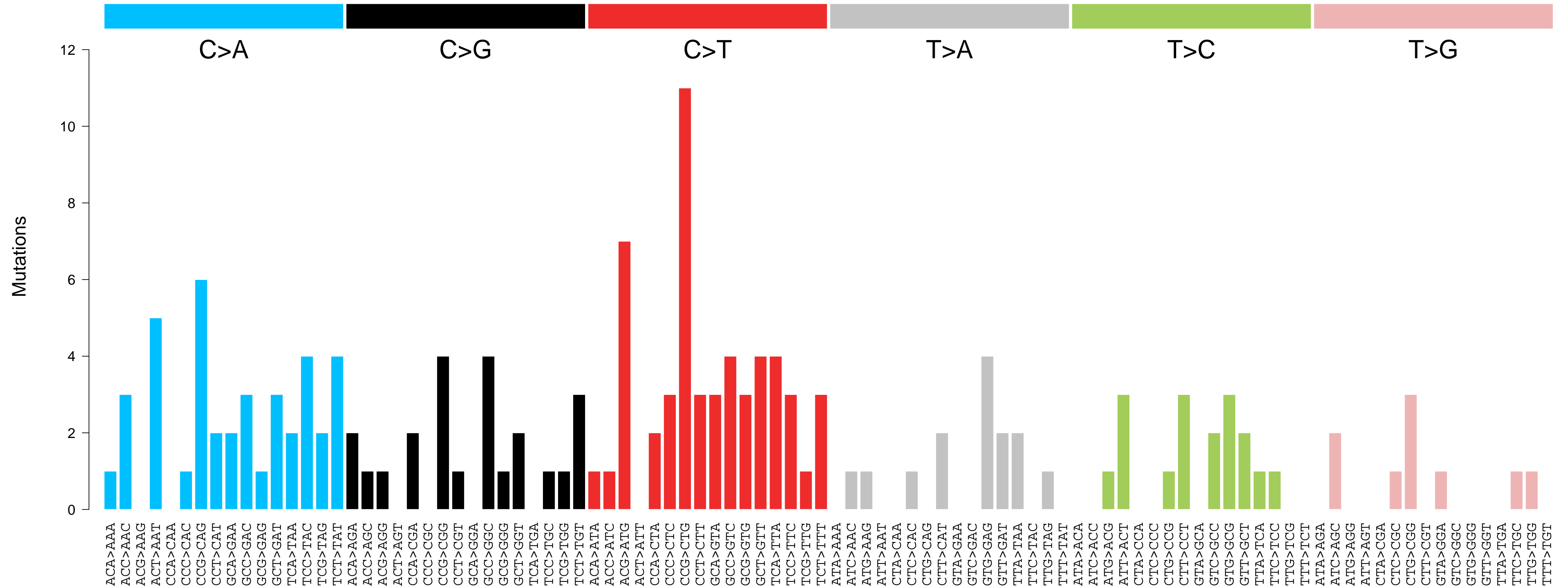
Mutational spectrum #51
(24 mutations)



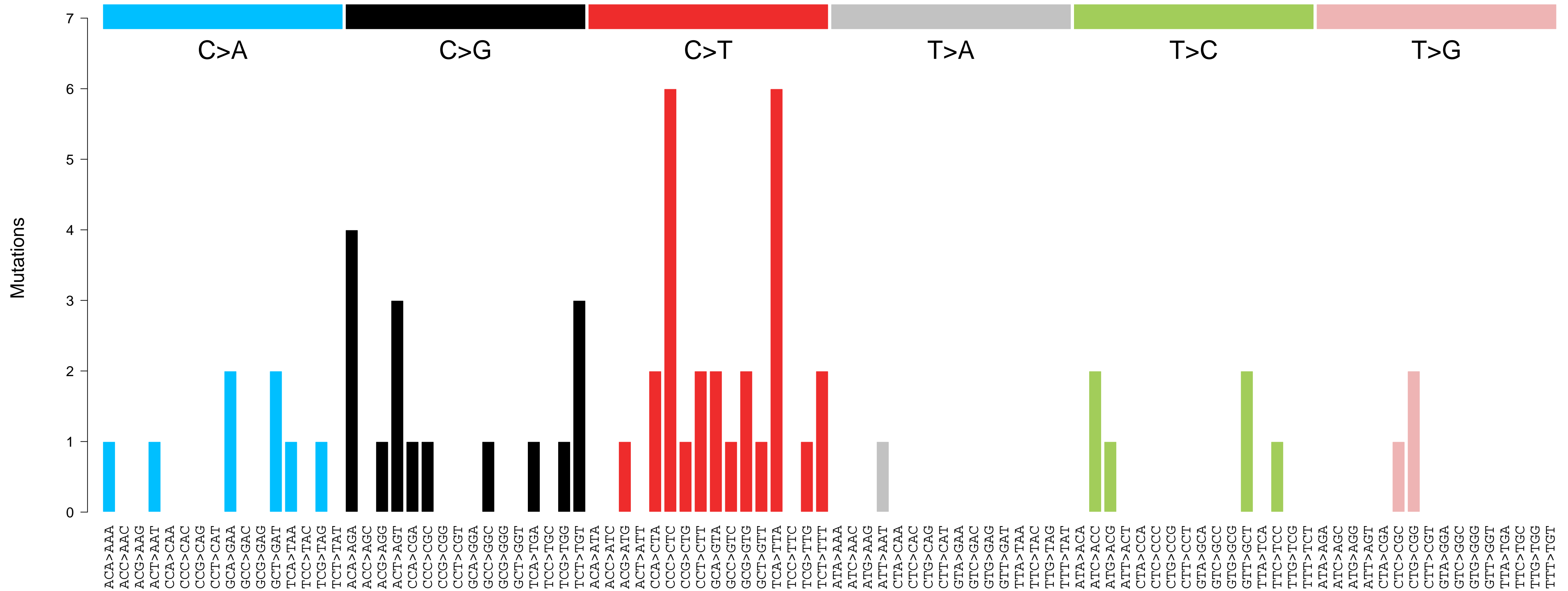
Mutational spectrum #52
(105 mutations)



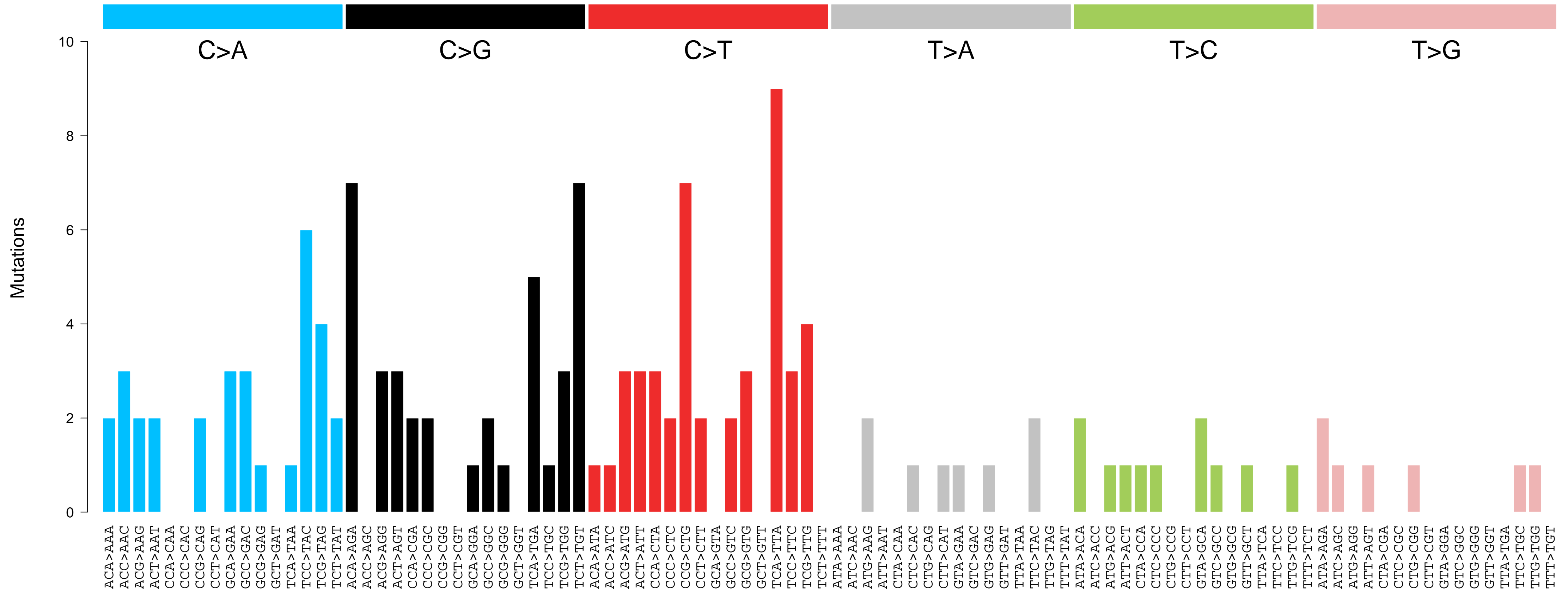
Mutational spectrum #53
(155 mutations)



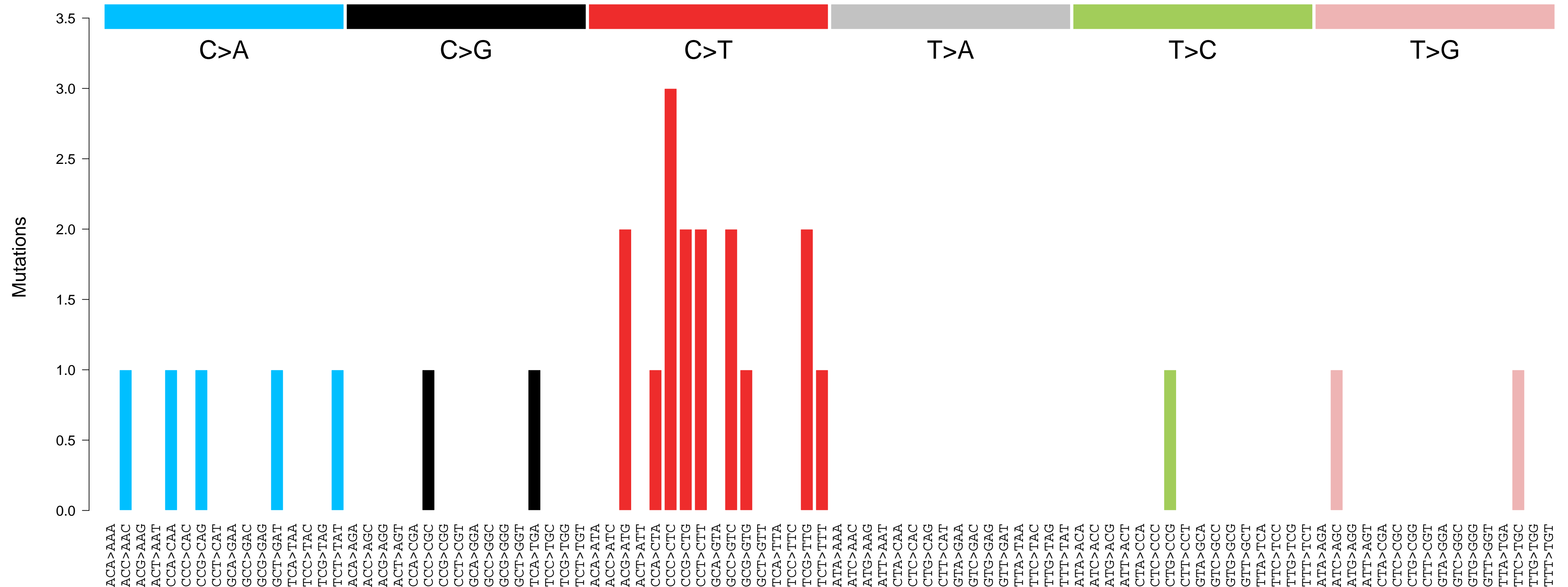
Mutational spectrum #54
(61 mutations)



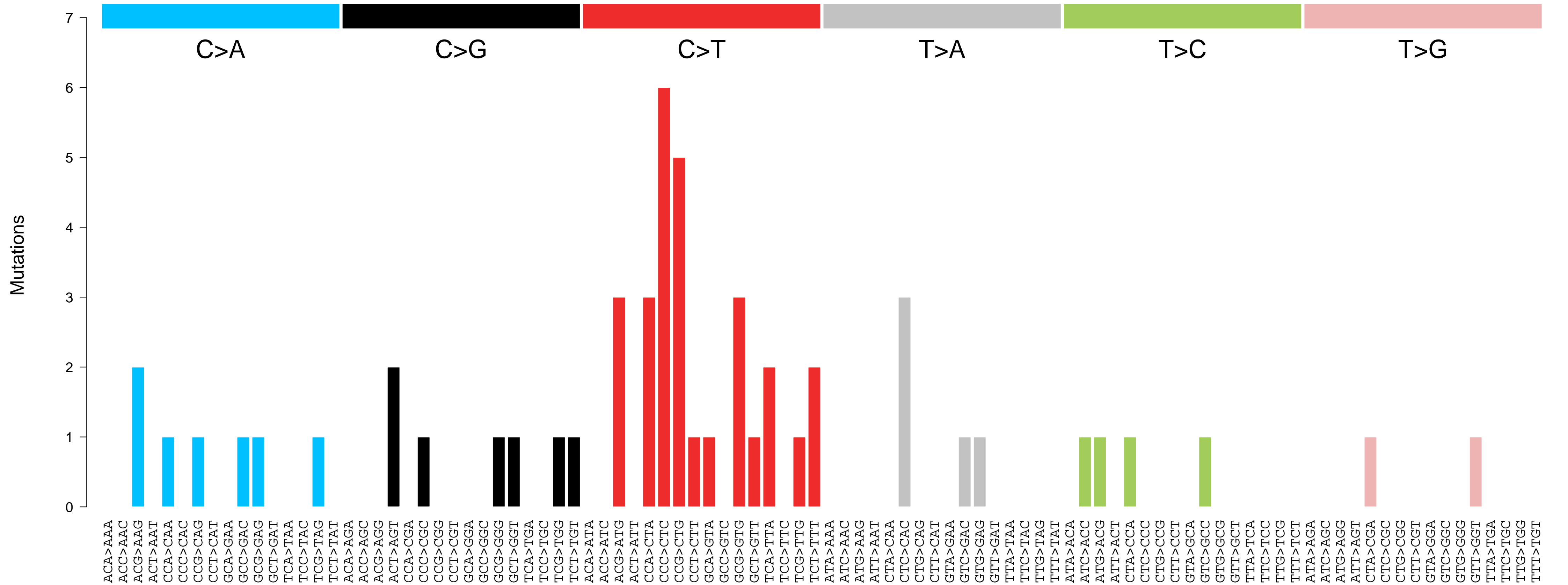
Mutational spectrum #55
(137 mutations)



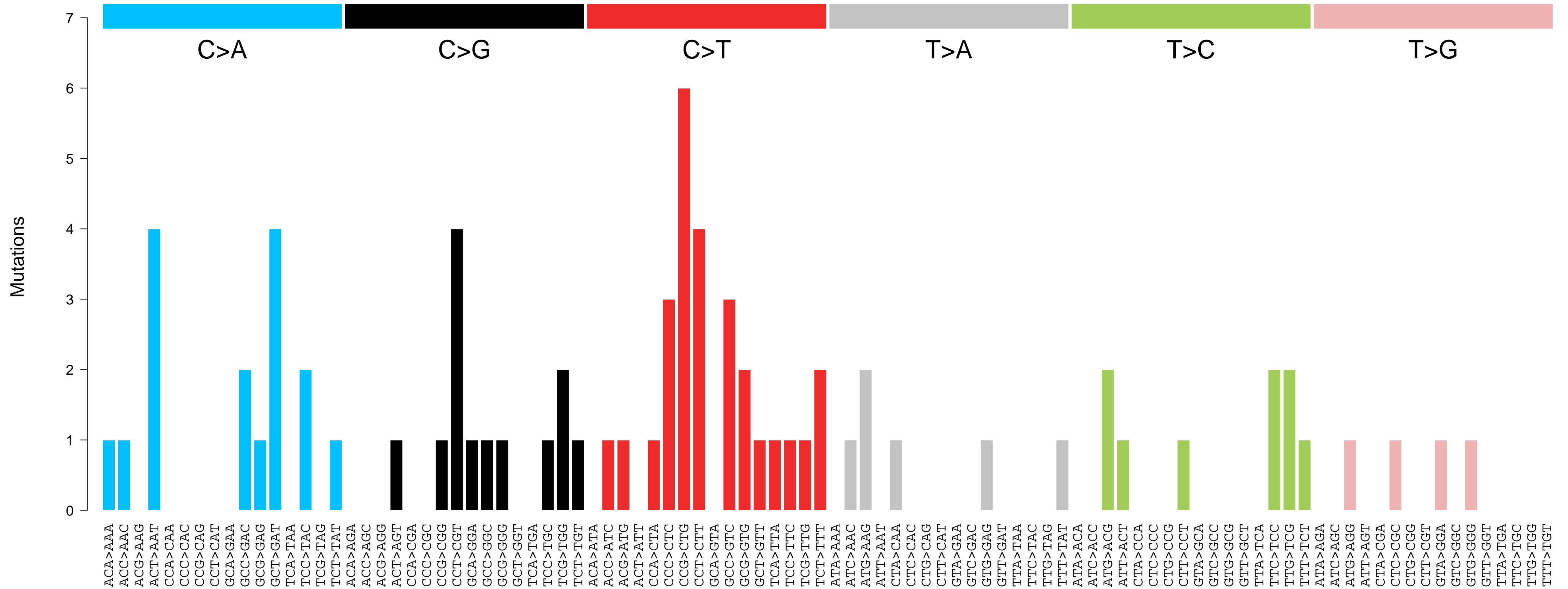
Mutational spectrum #56
(26 mutations)



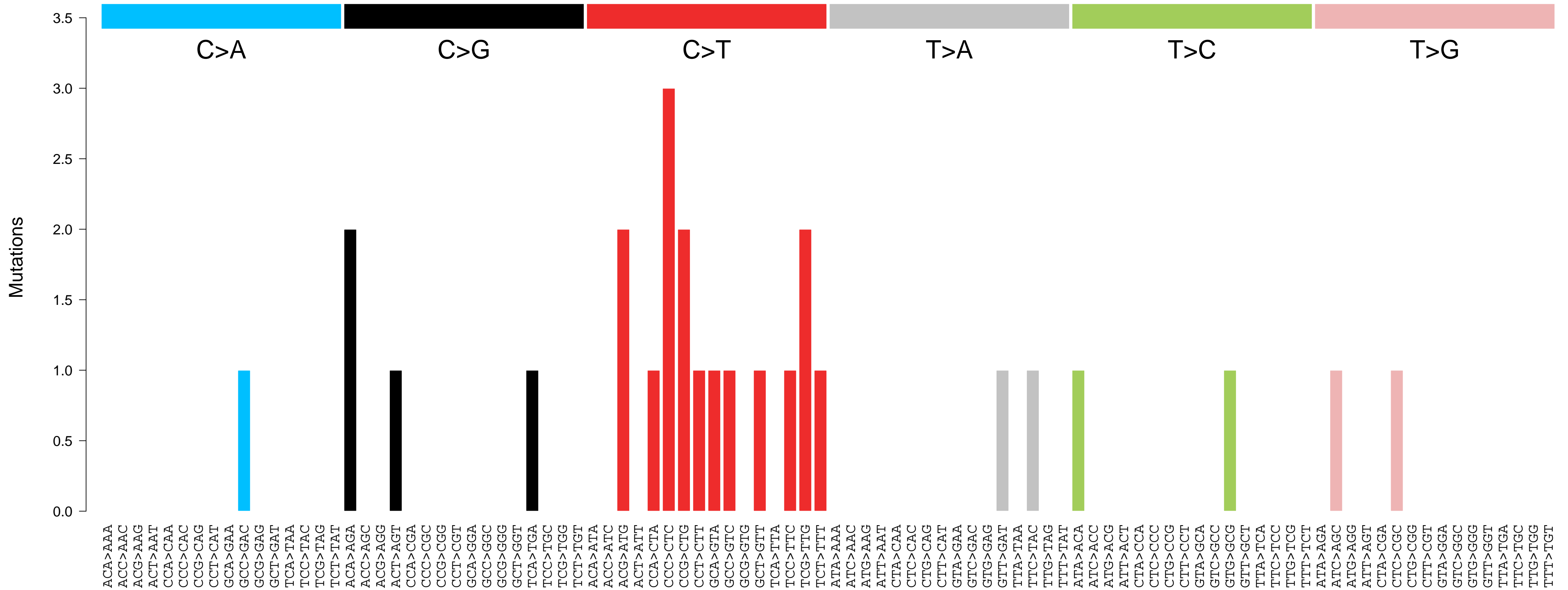
Mutational spectrum #57
(53 mutations)



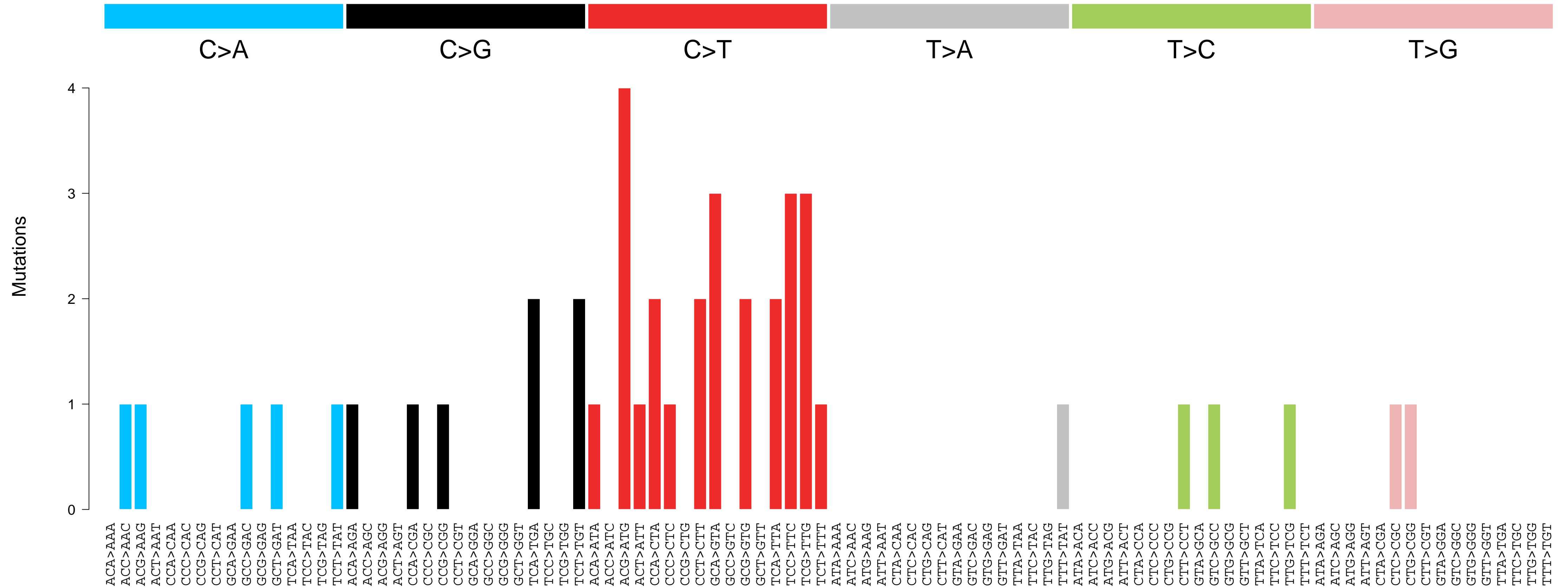
Mutational spectrum #58
(75 mutations)



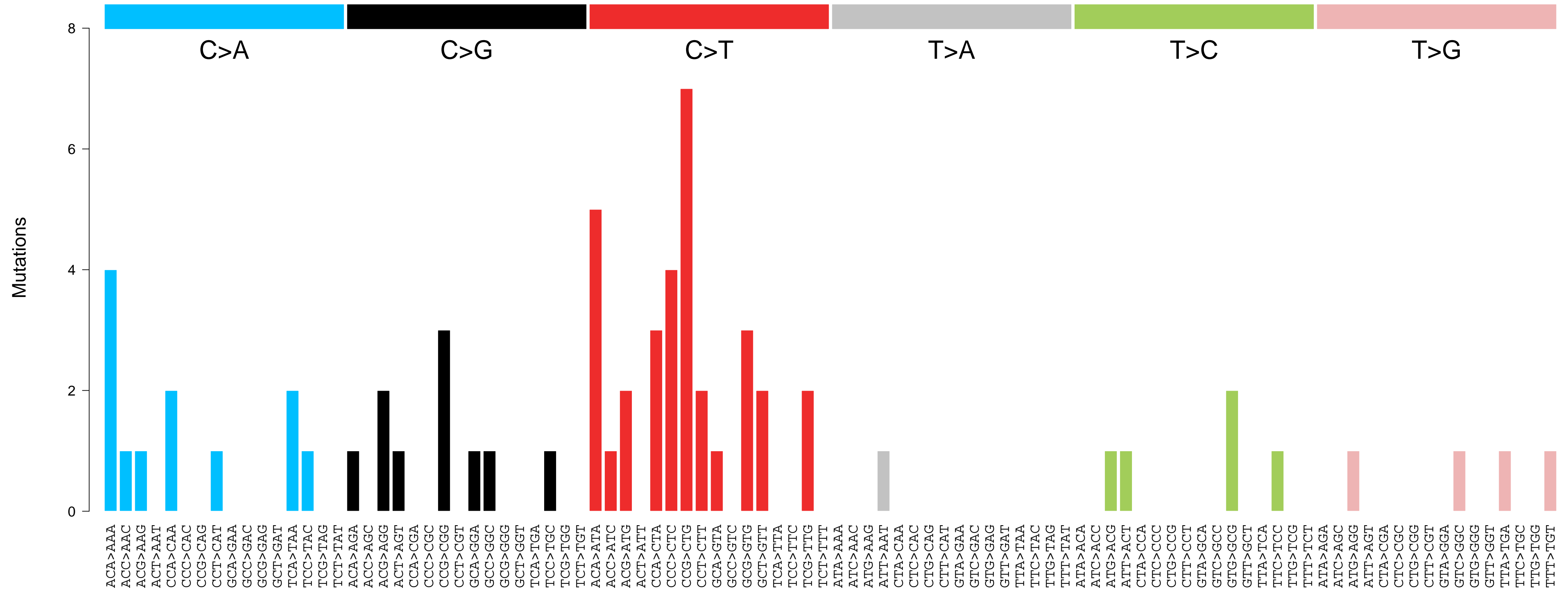
Mutational spectrum #59
(27 mutations)



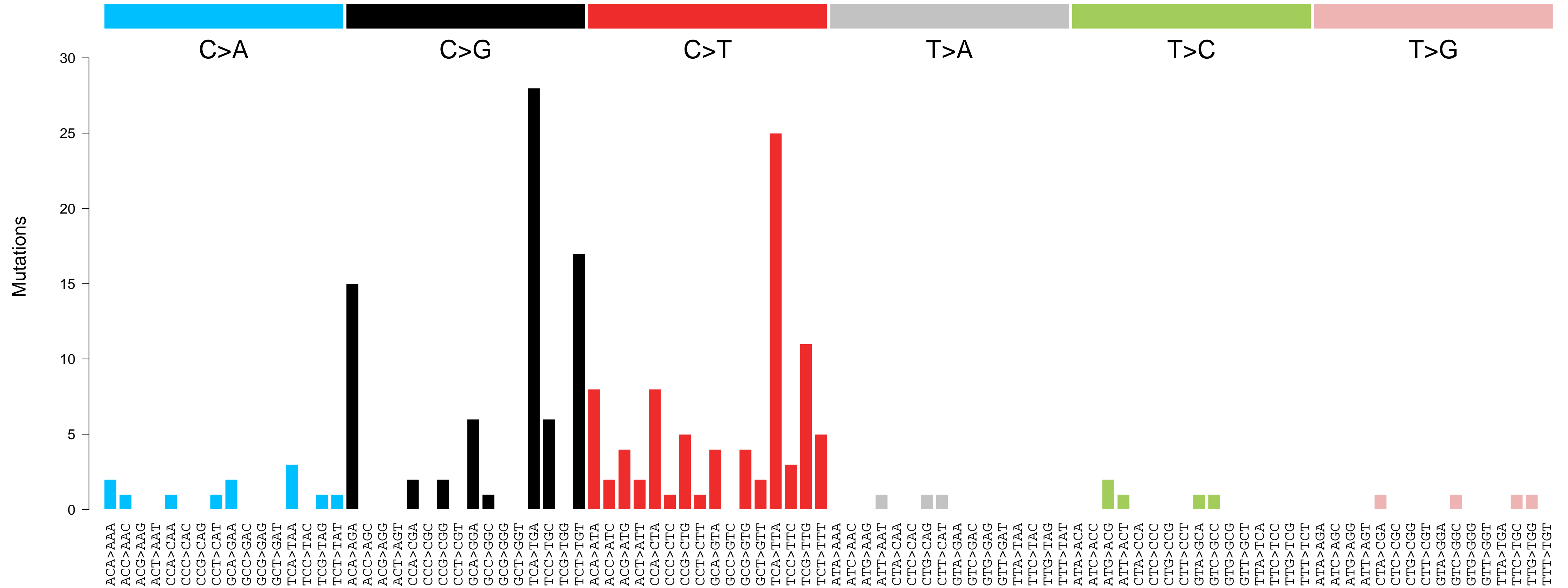
Mutational spectrum #60
(43 mutations)



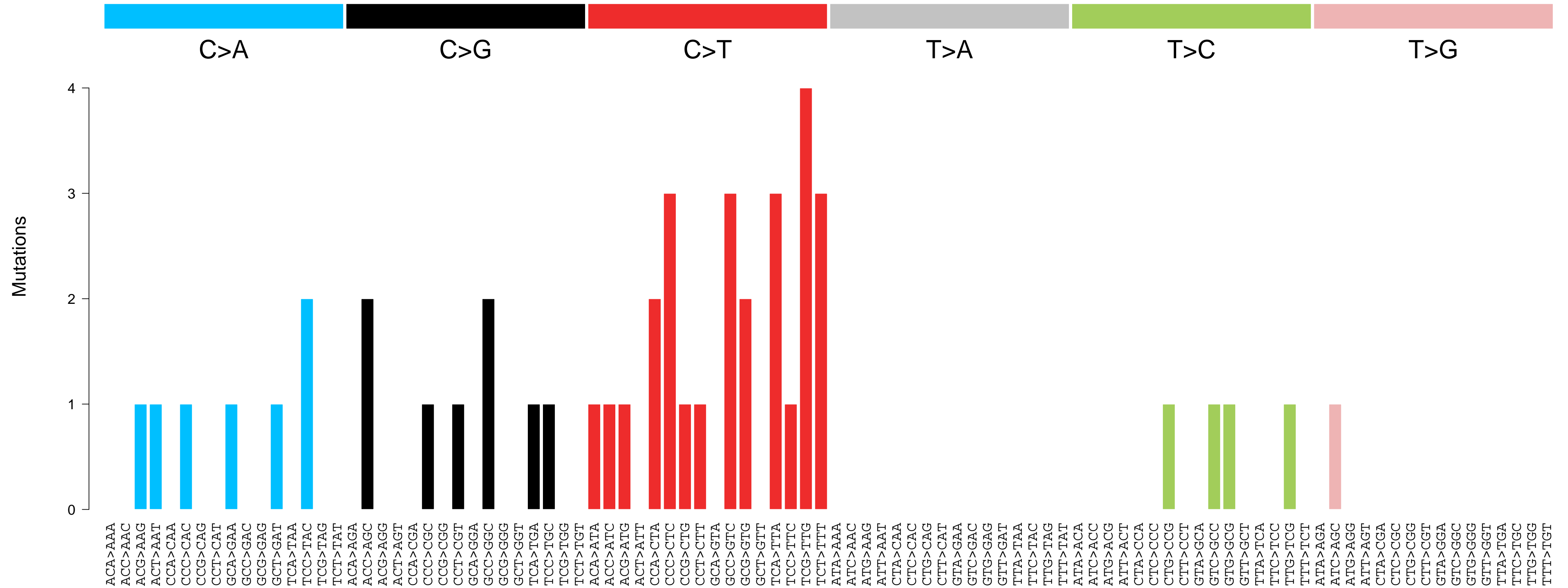
Mutational spectrum #61
(64 mutations)



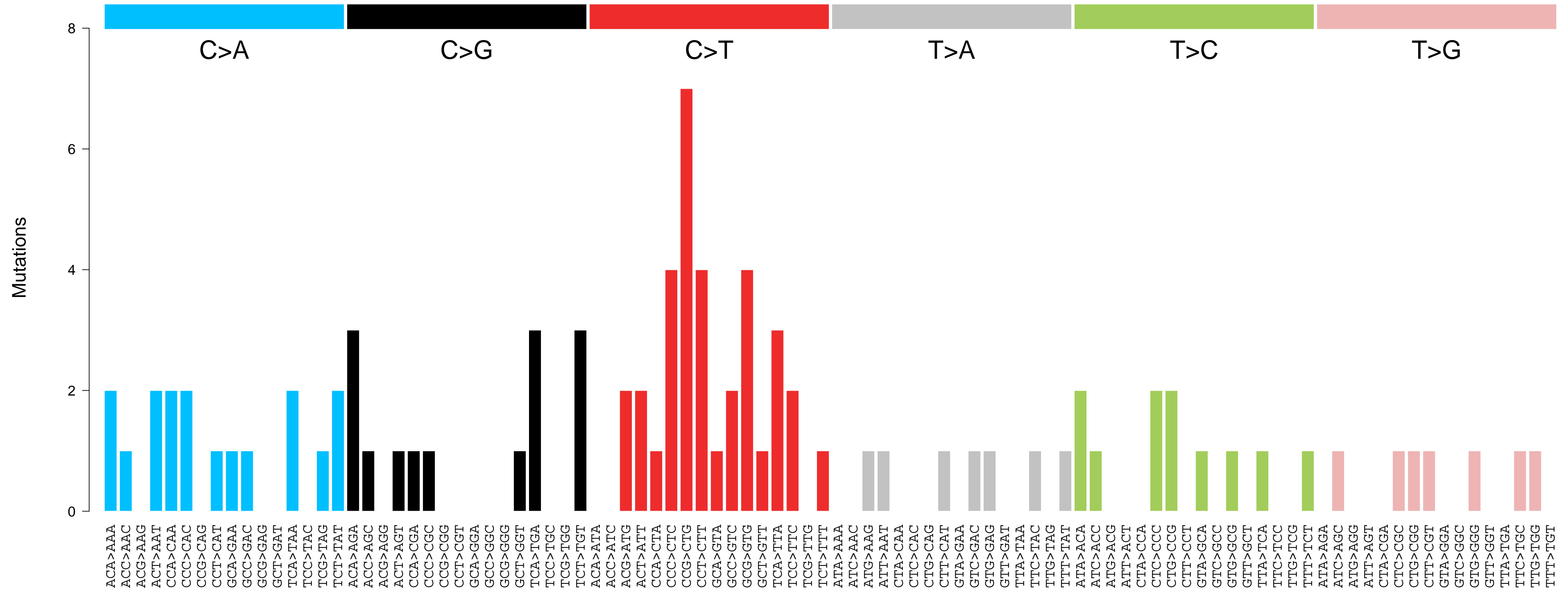
Mutational spectrum #62
(186 mutations)



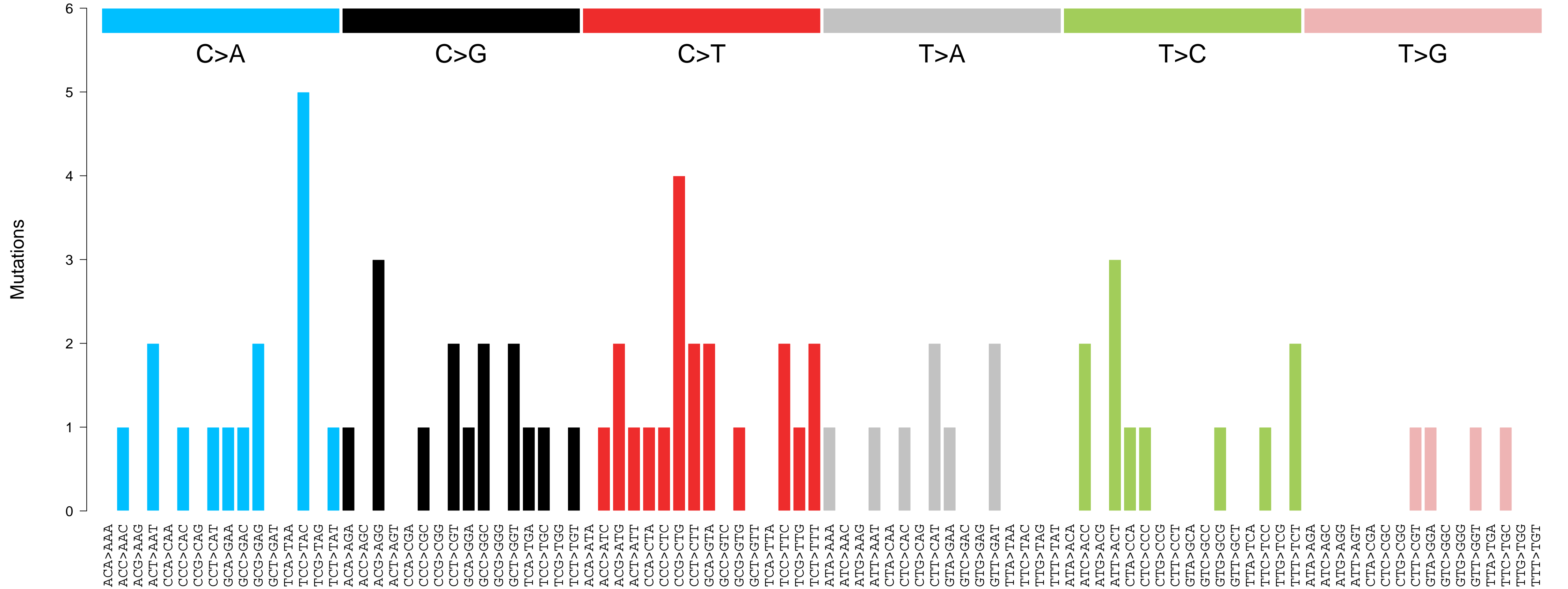
Mutational spectrum #63
(46 mutations)



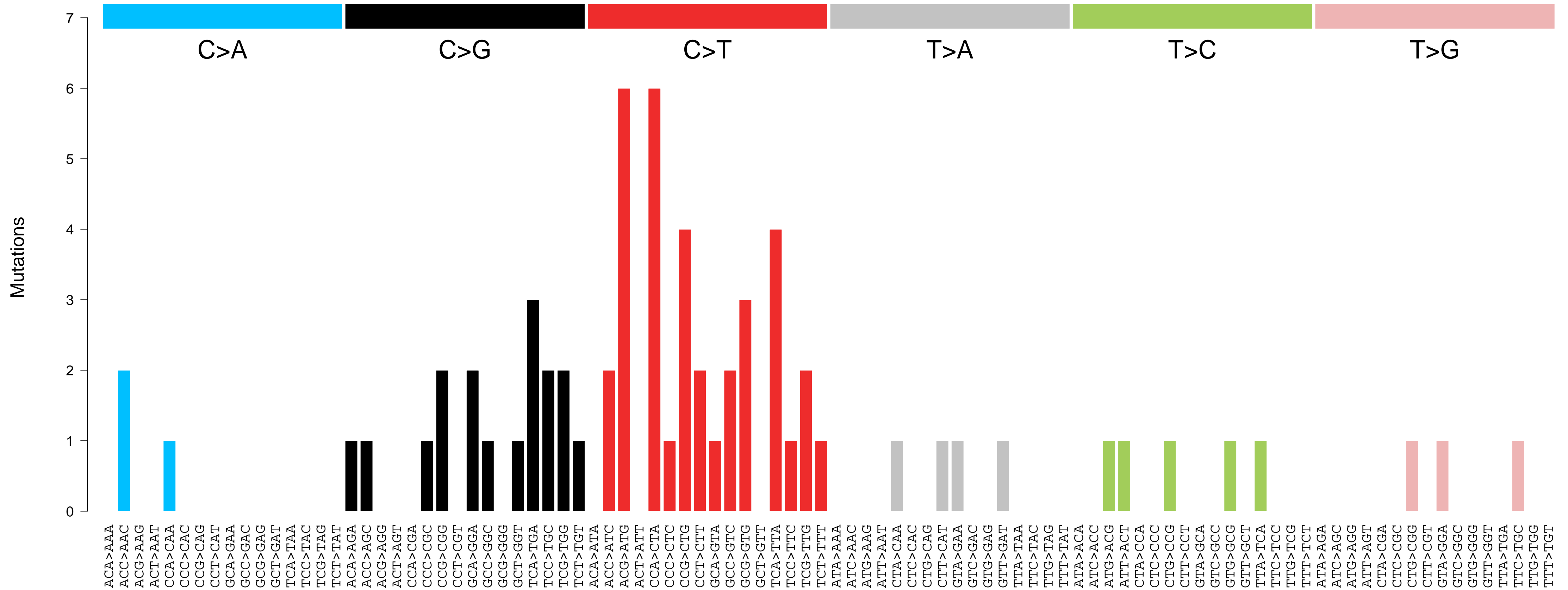
Mutational spectrum #64
(90 mutations)



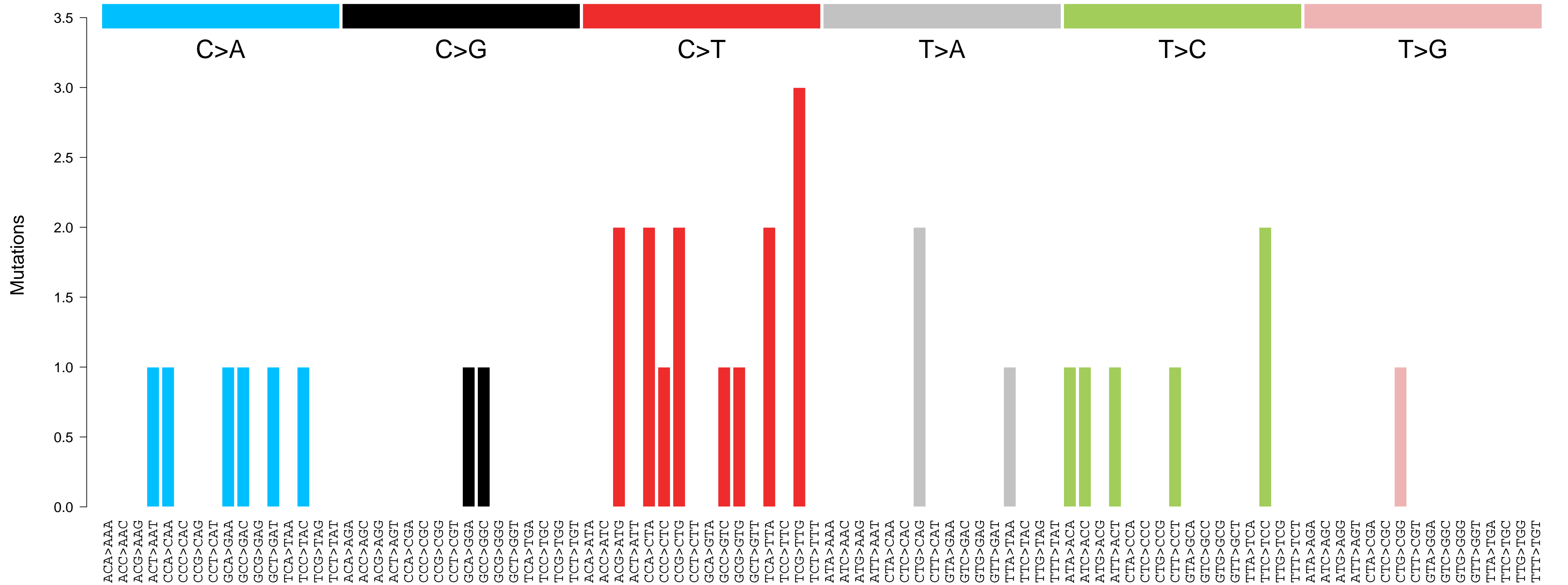
Mutational spectrum #65
(73 mutations)



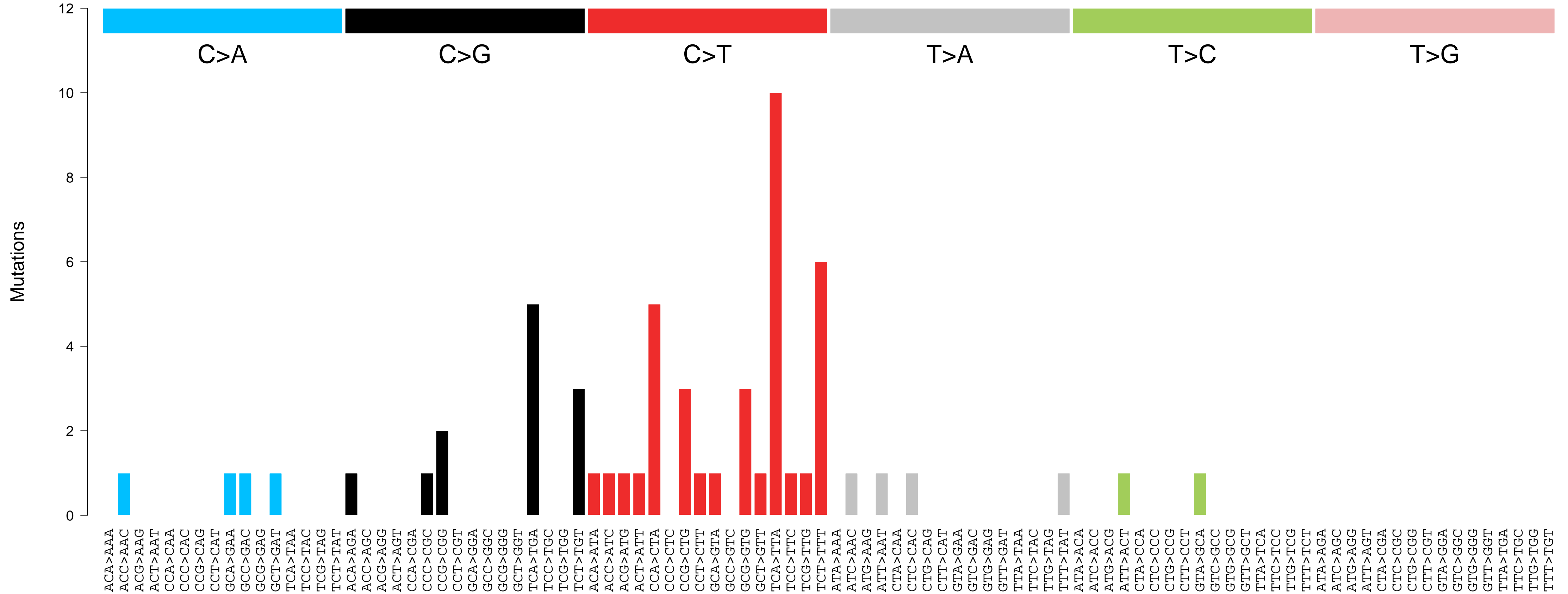
Mutational spectrum #66
(67 mutations)



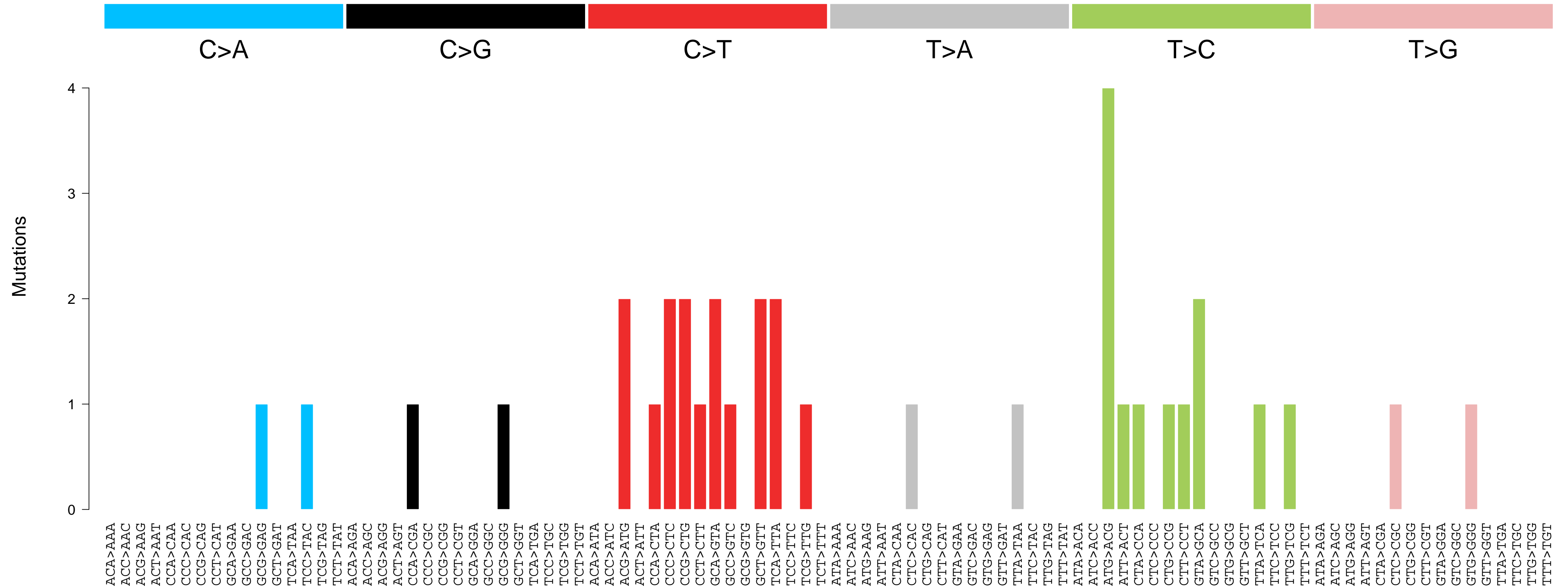
Mutational spectrum #67
(32 mutations)



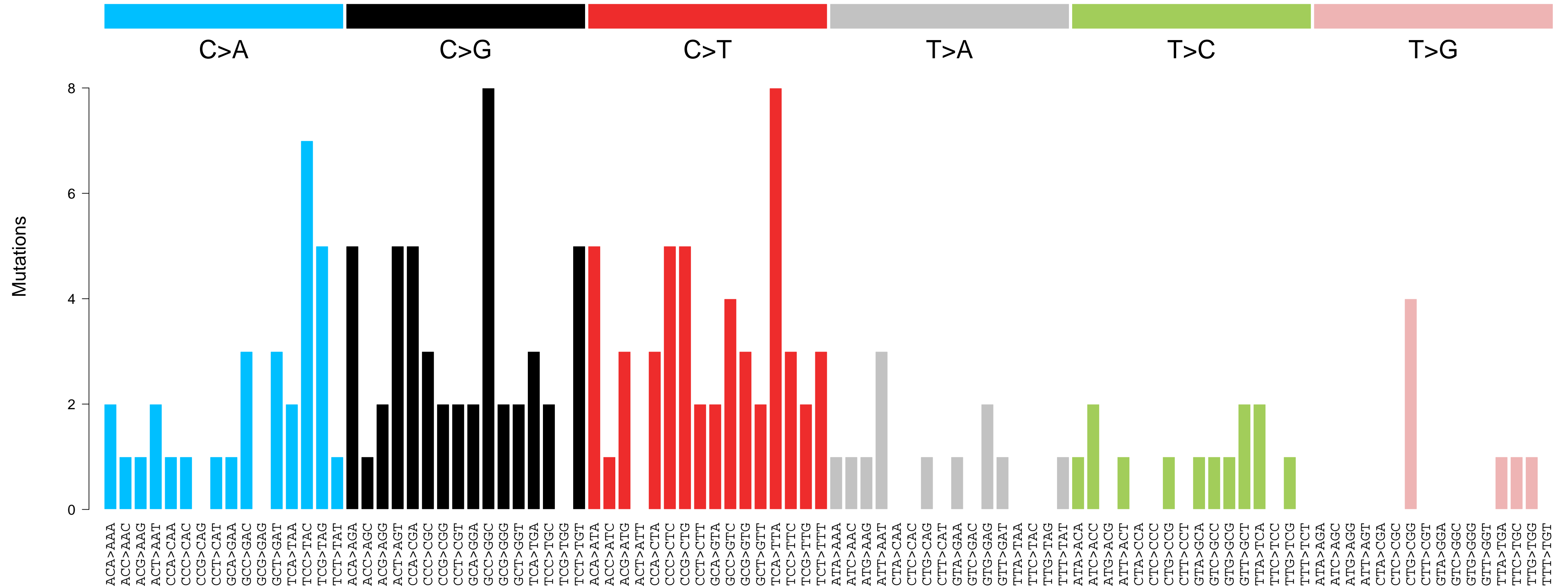
Mutational spectrum #68
(58 mutations)



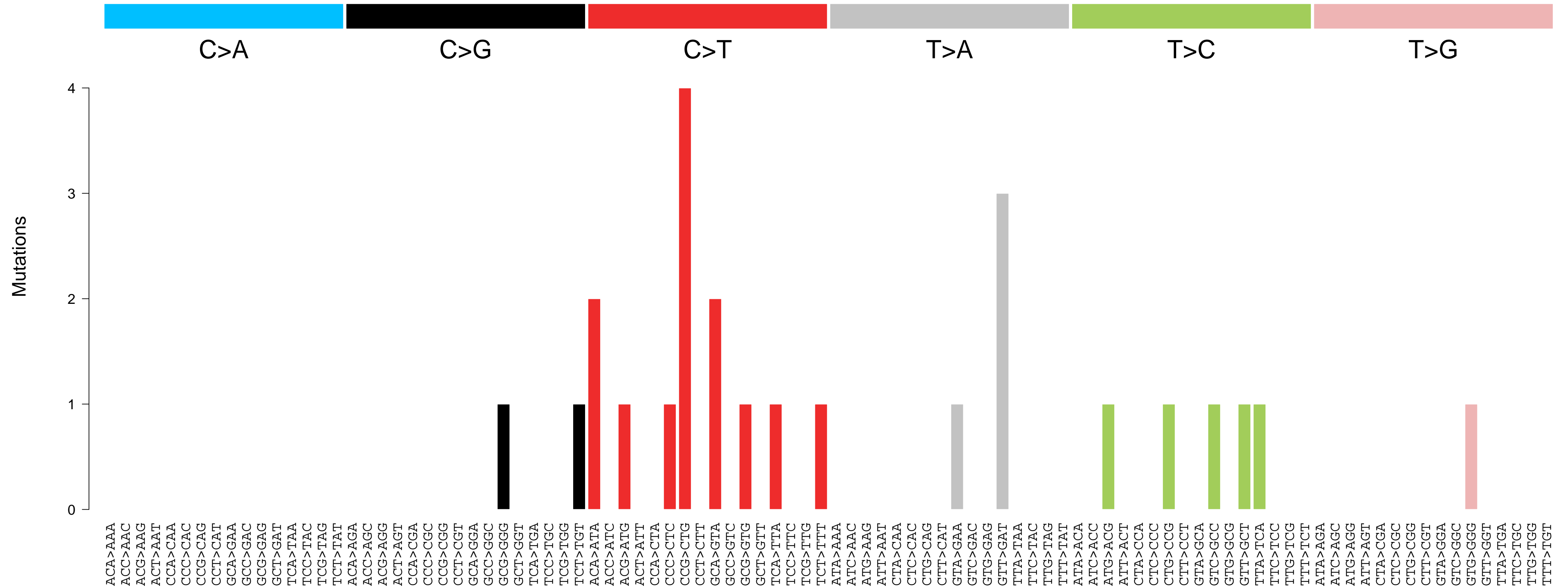
Mutational spectrum #69
(36 mutations)



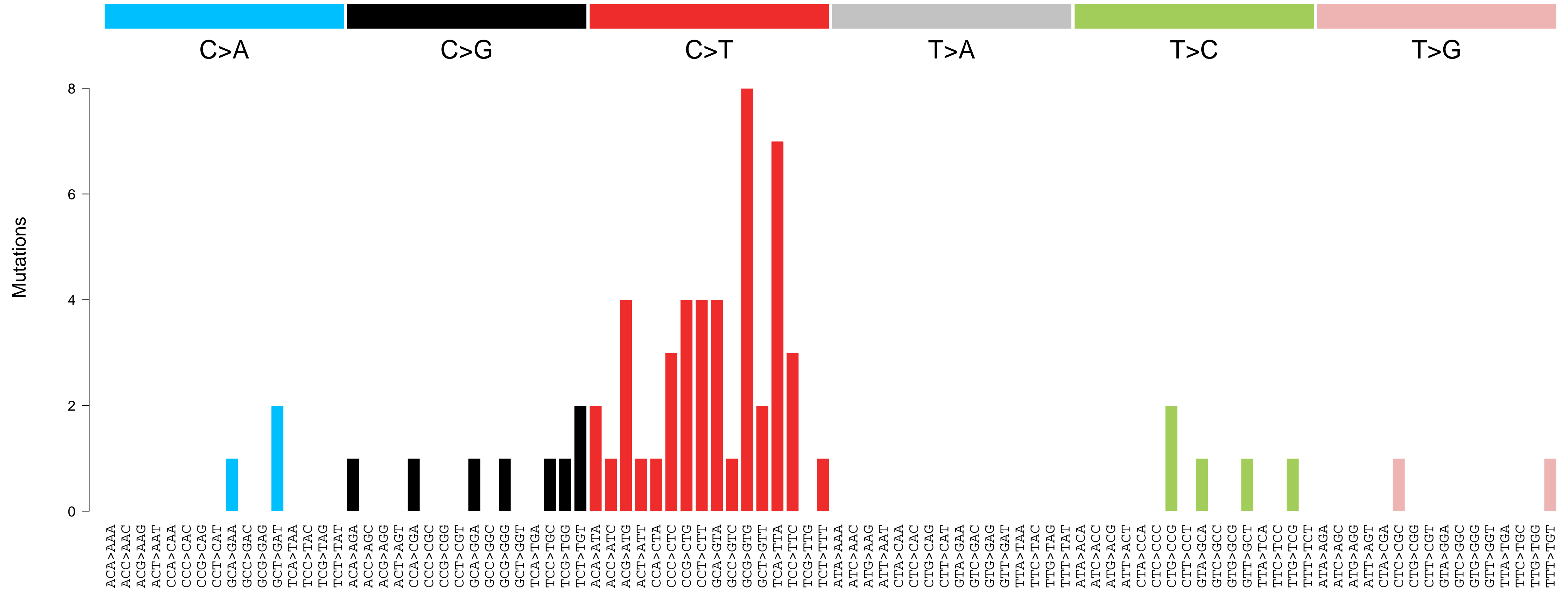
Mutational spectrum #70
(163 mutations)



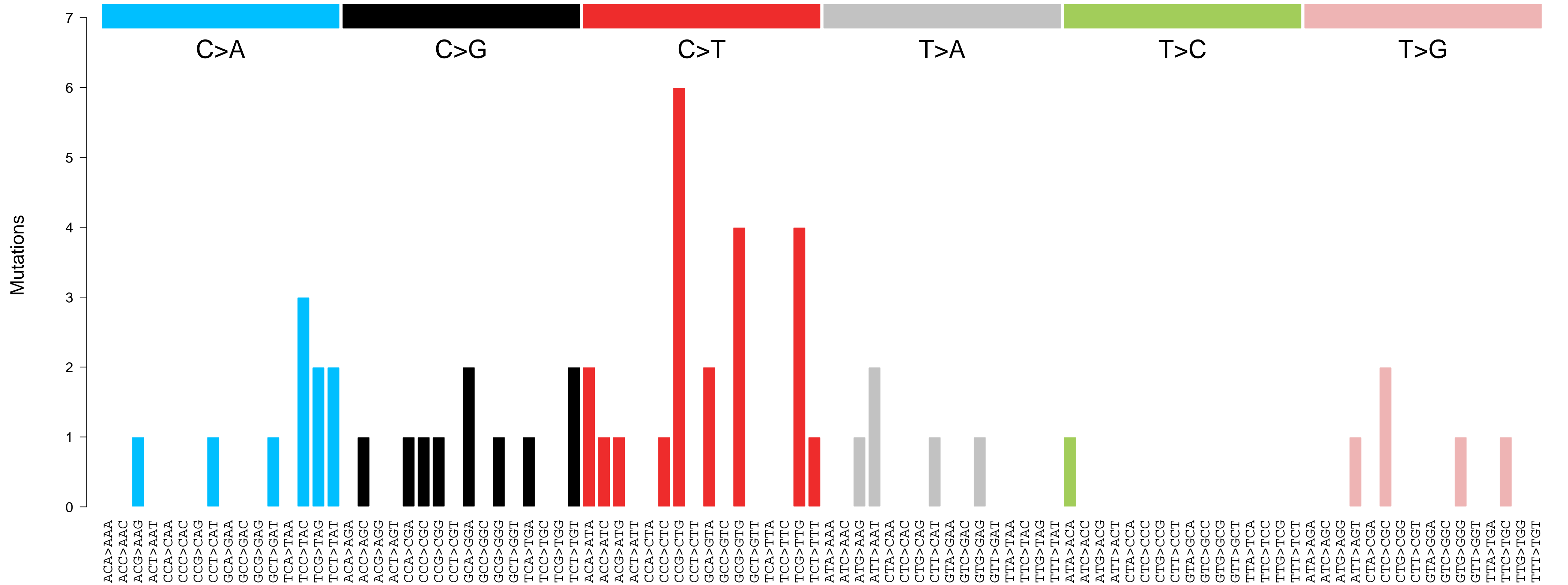
Mutational spectrum #71
(25 mutations)



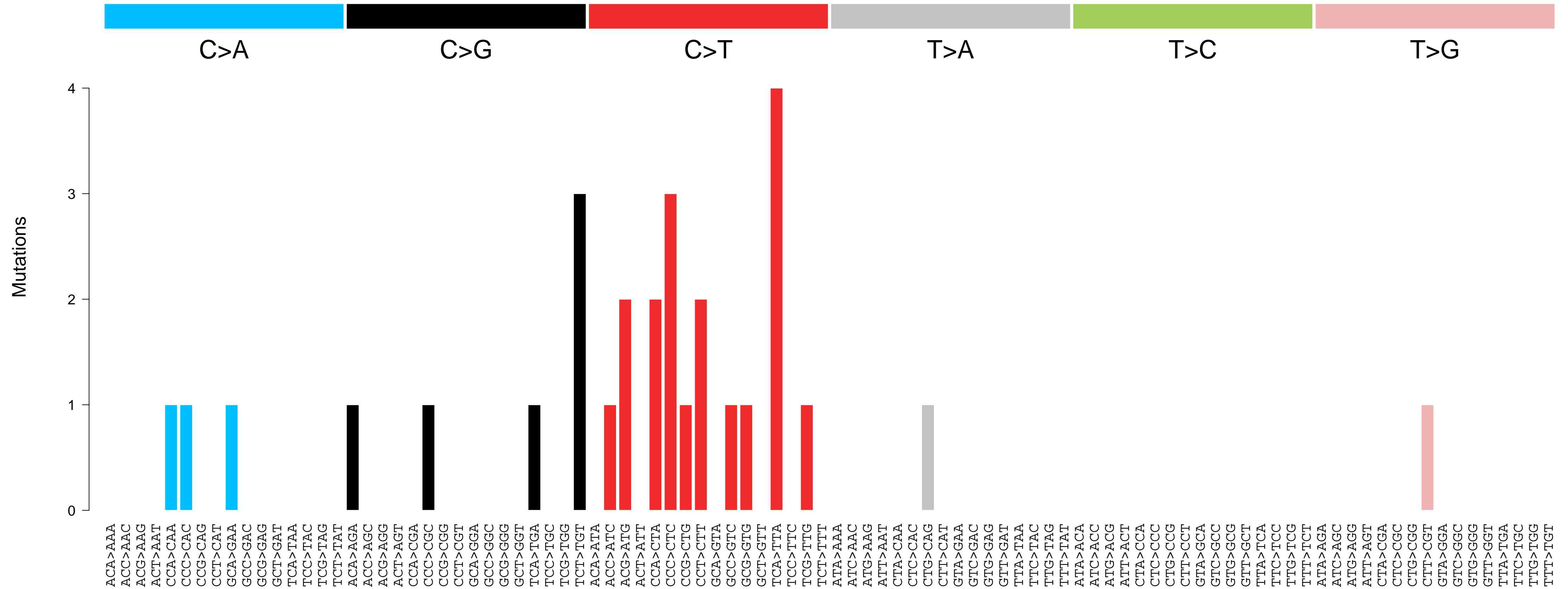
Mutational spectrum #72
(64 mutations)



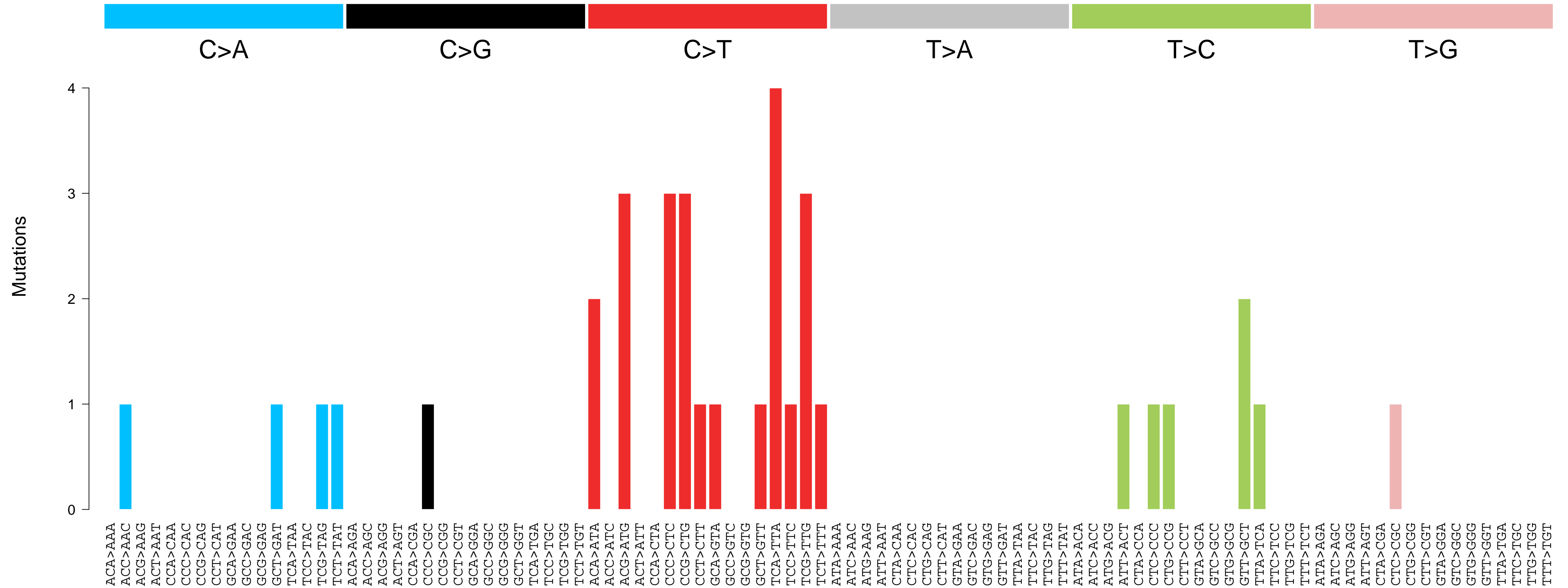
Mutational spectrum #73
(53 mutations)



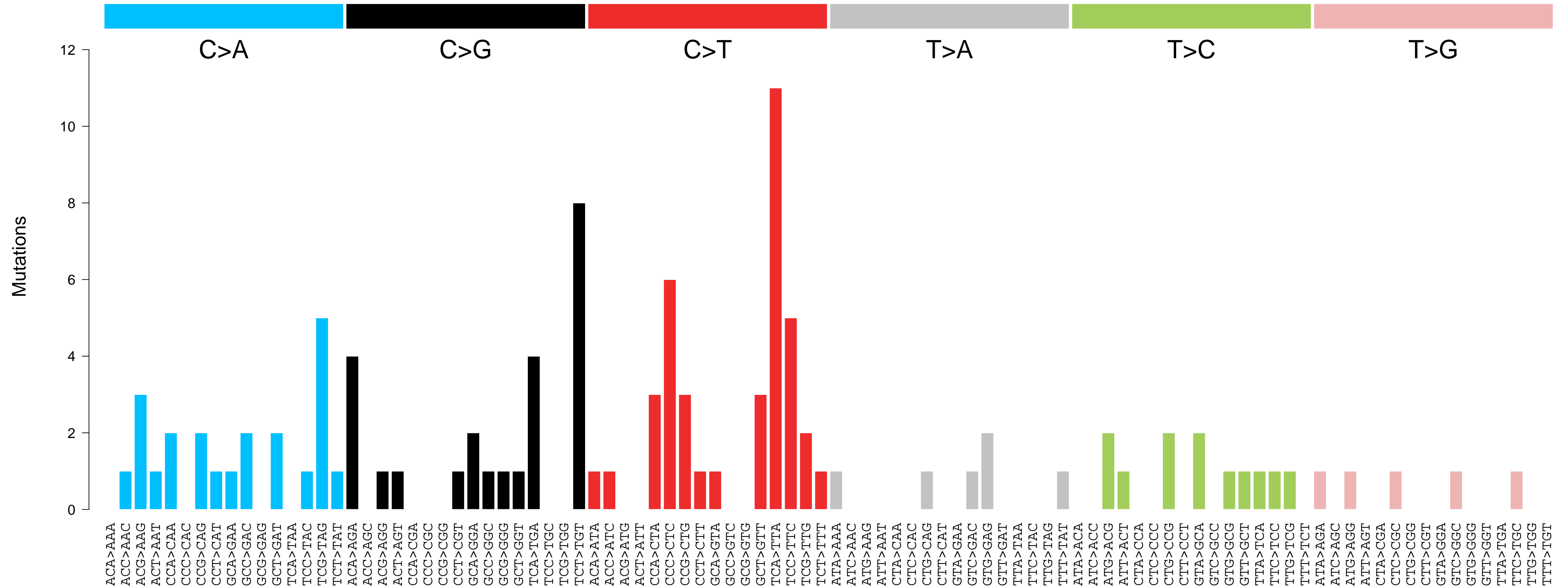
Mutational spectrum #74
(29 mutations)



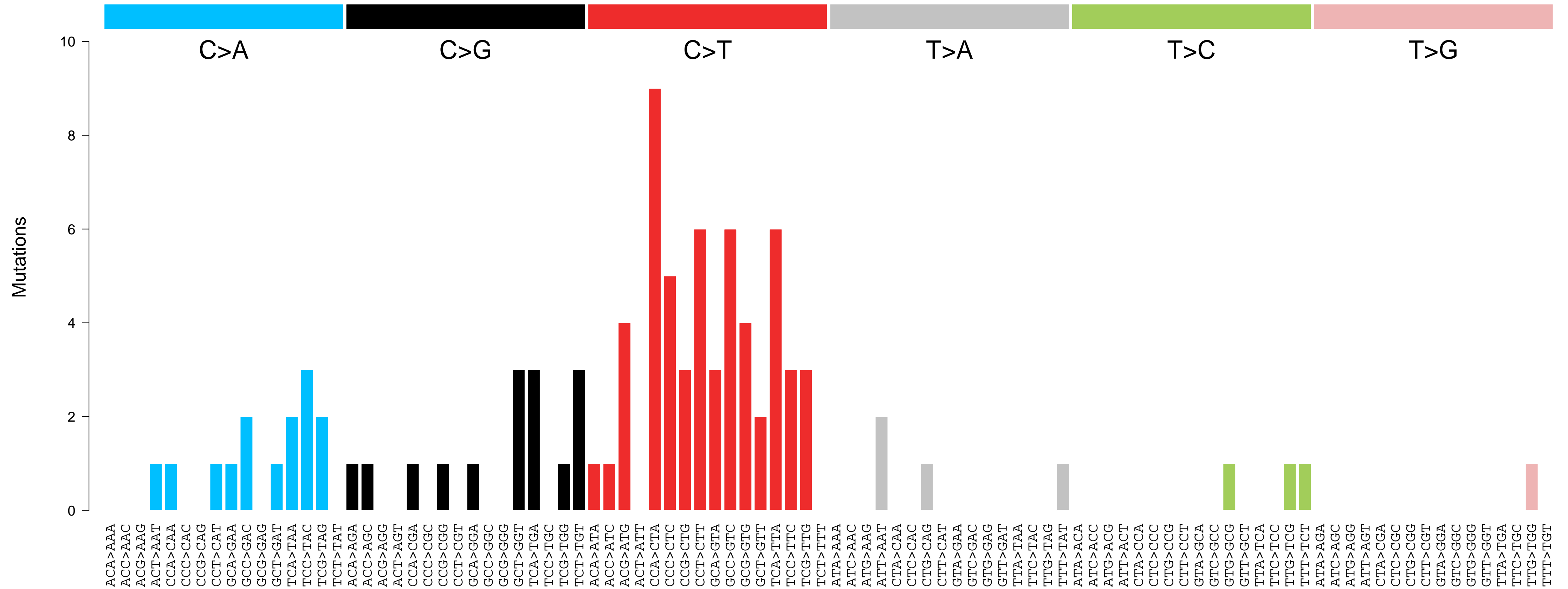
Mutational spectrum #75
(35 mutations)



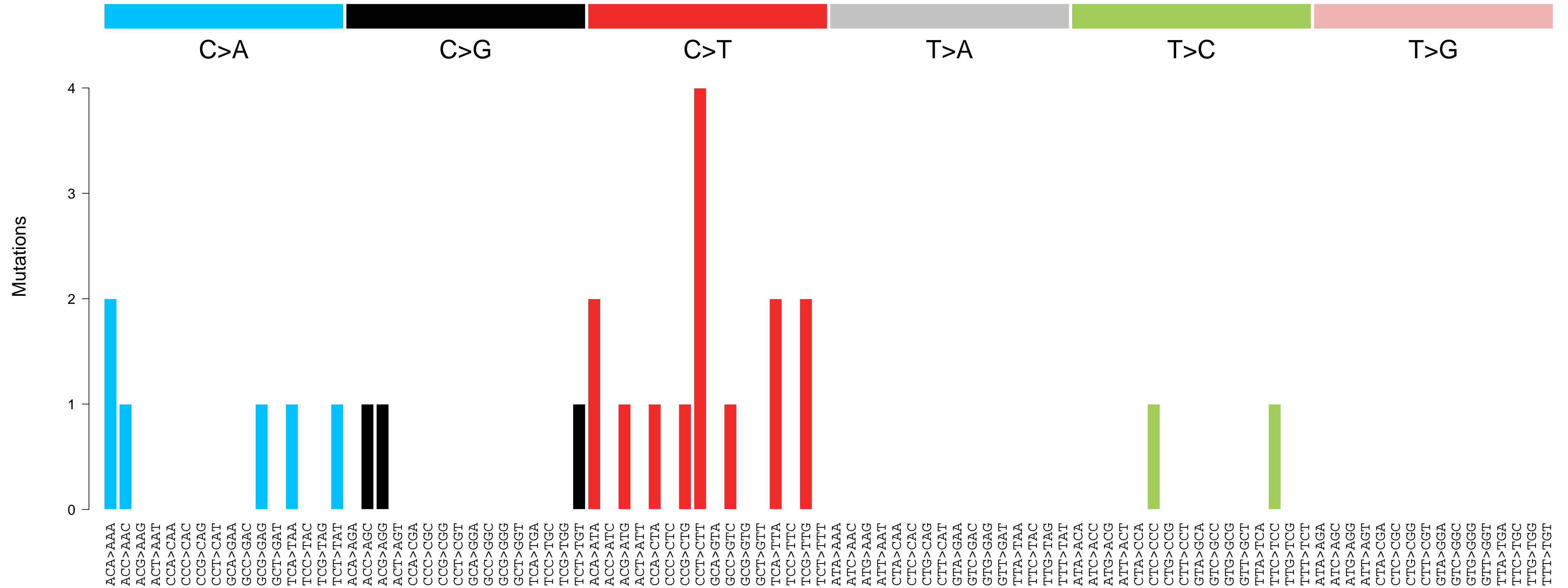
Mutational spectrum #76
(107 mutations)



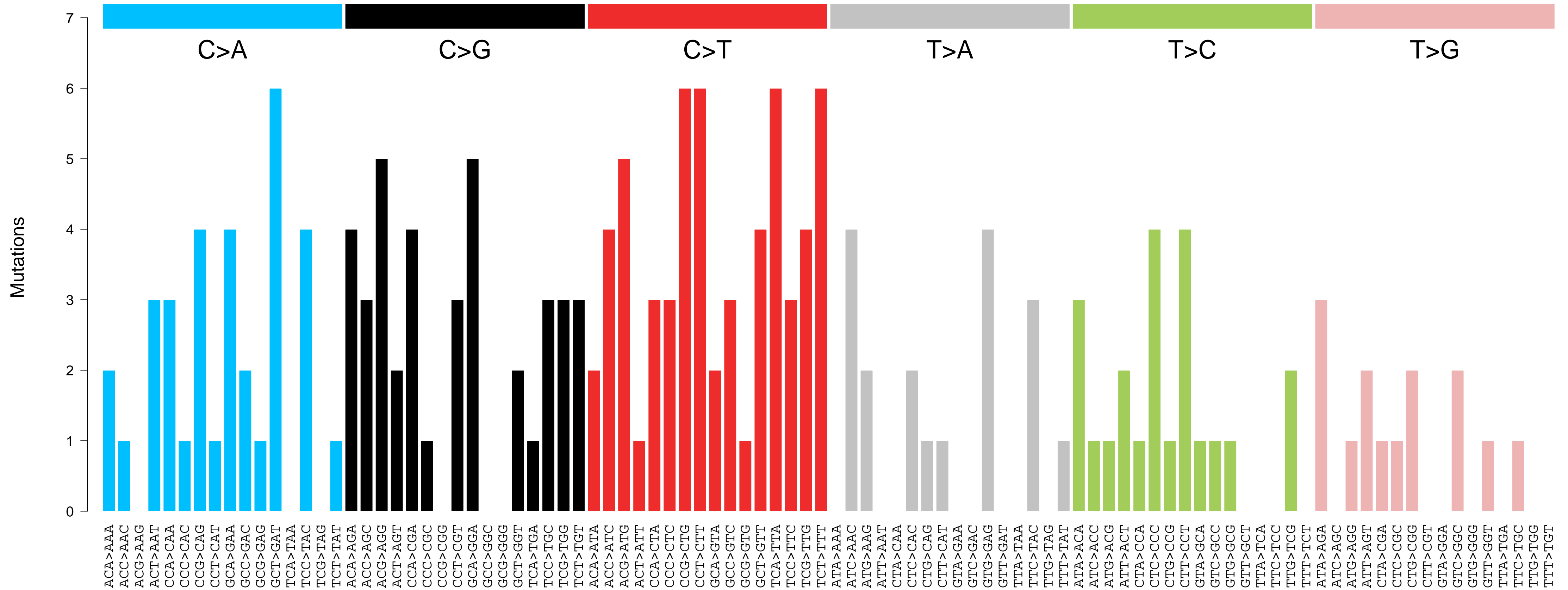
Mutational spectrum #77
(93 mutations)



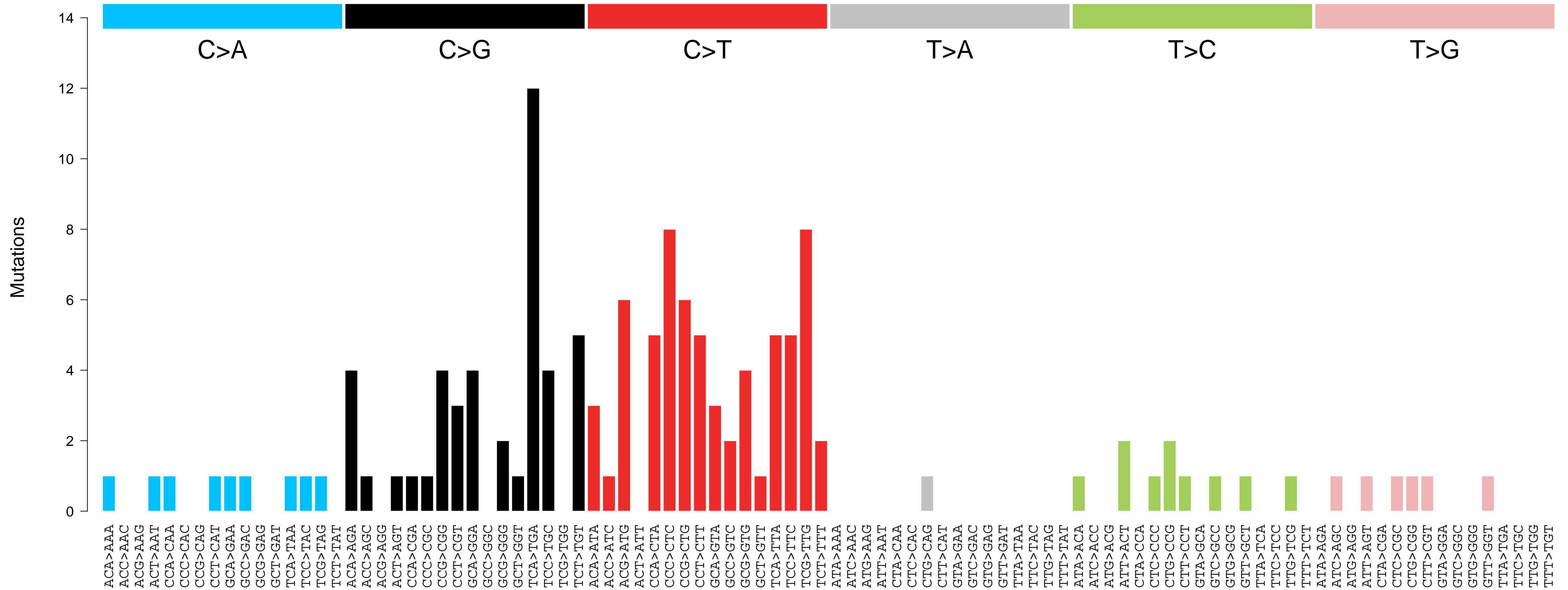
Mutational spectrum #78
(25 mutations)



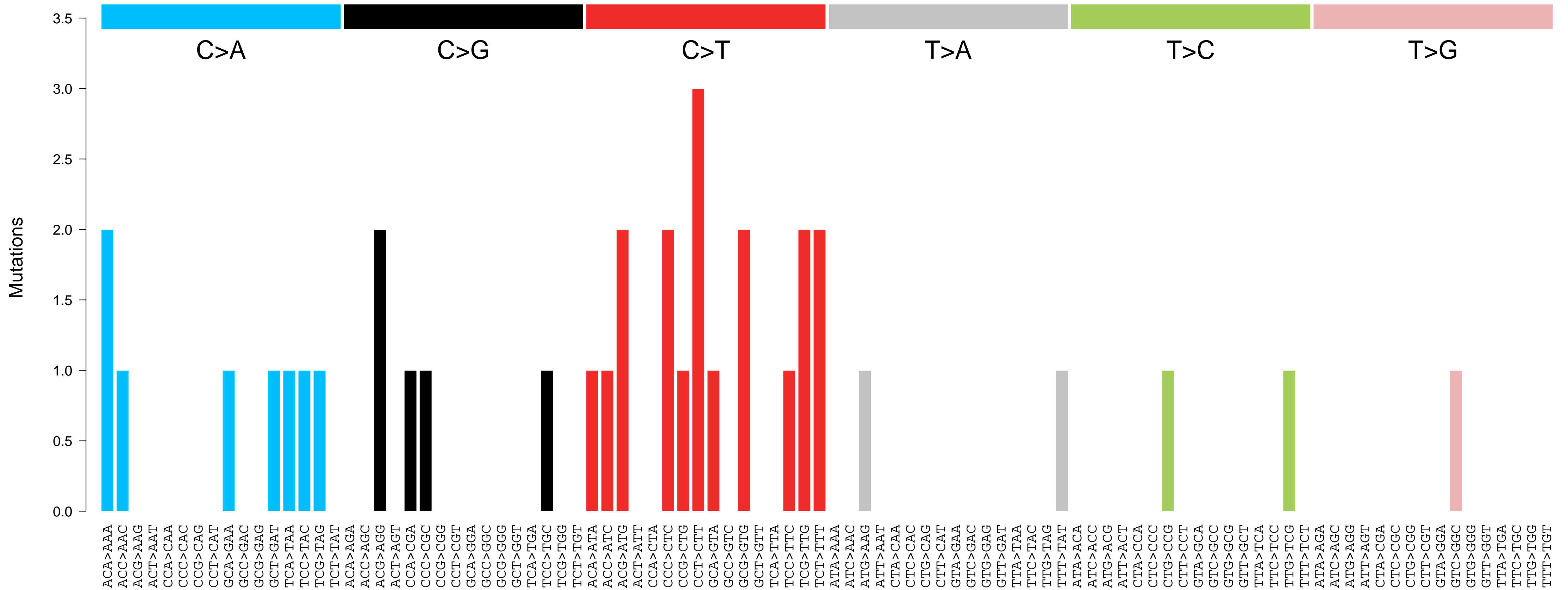
Mutational spectrum #79
(185 mutations)



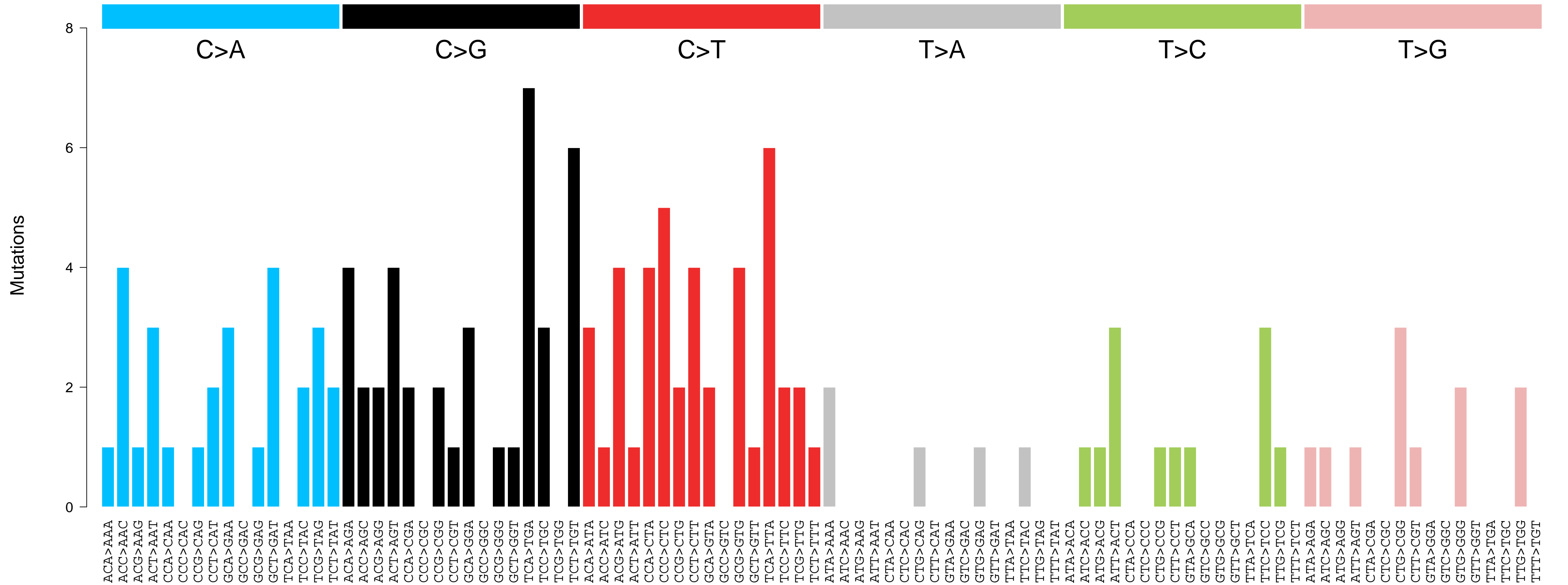
Mutational spectrum #80
(133 mutations)



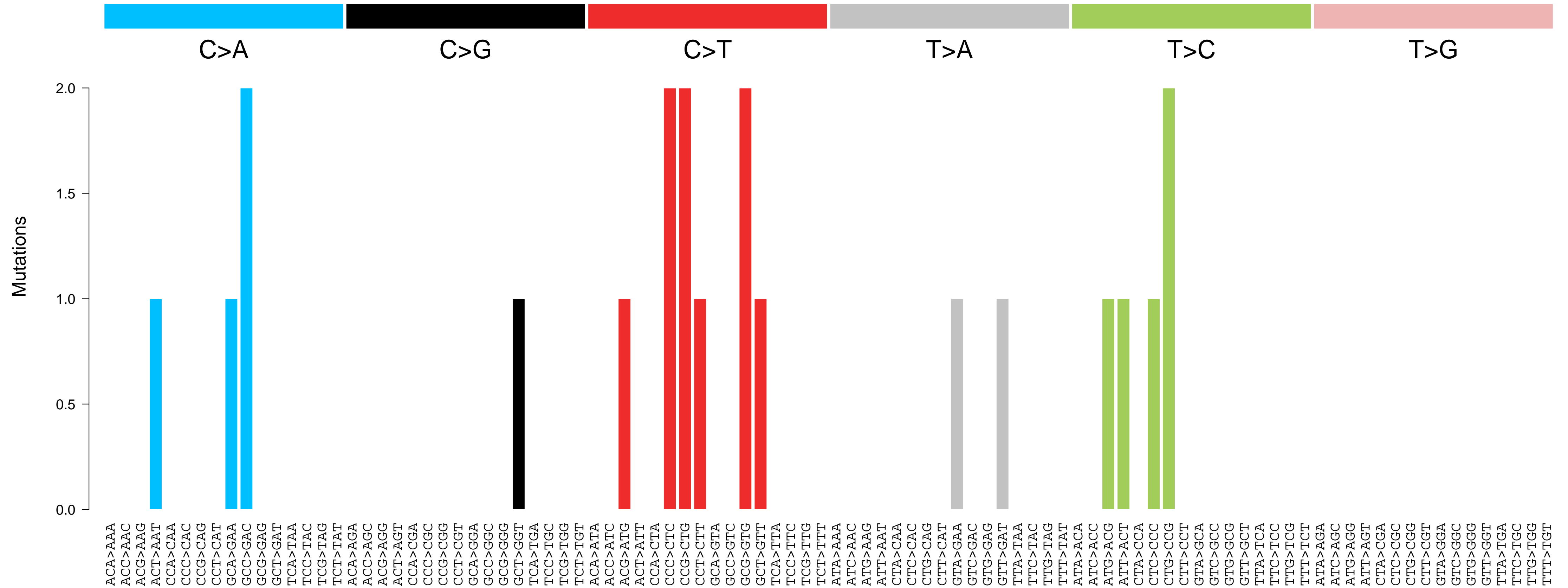
Mutational spectrum #81
(36 mutations)



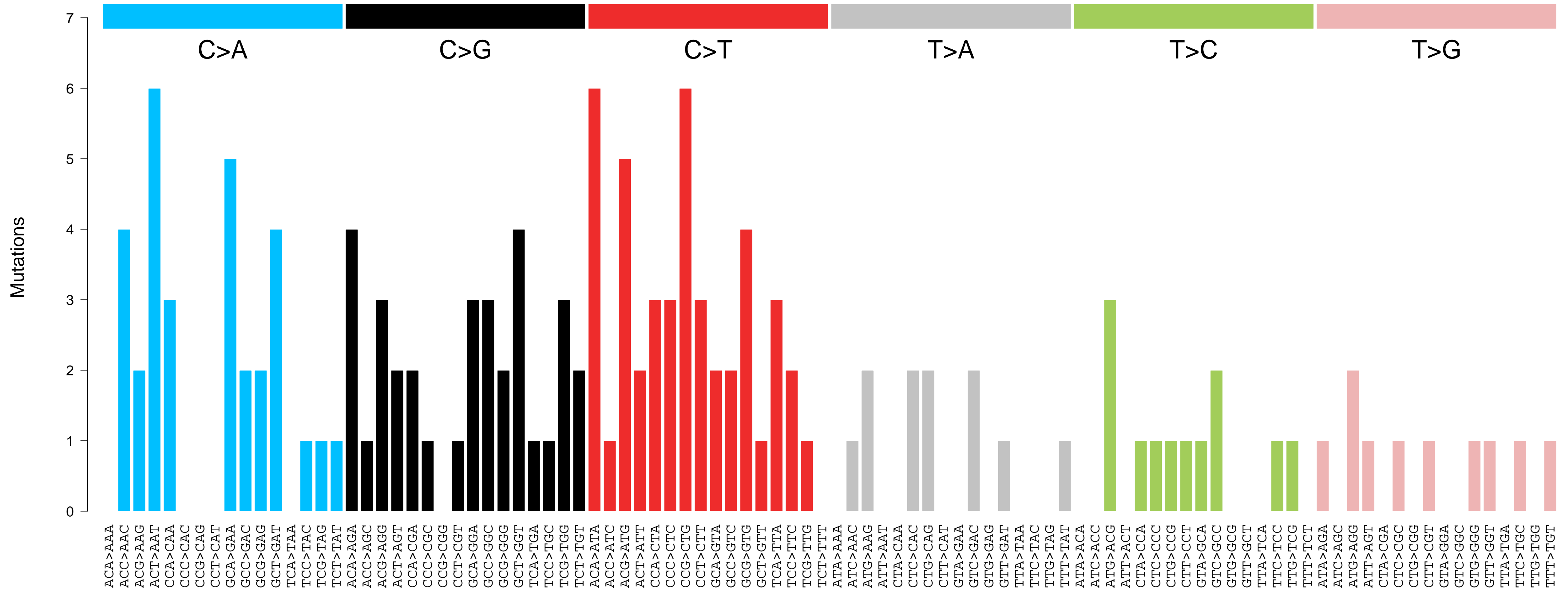
Mutational spectrum #82
(136 mutations)



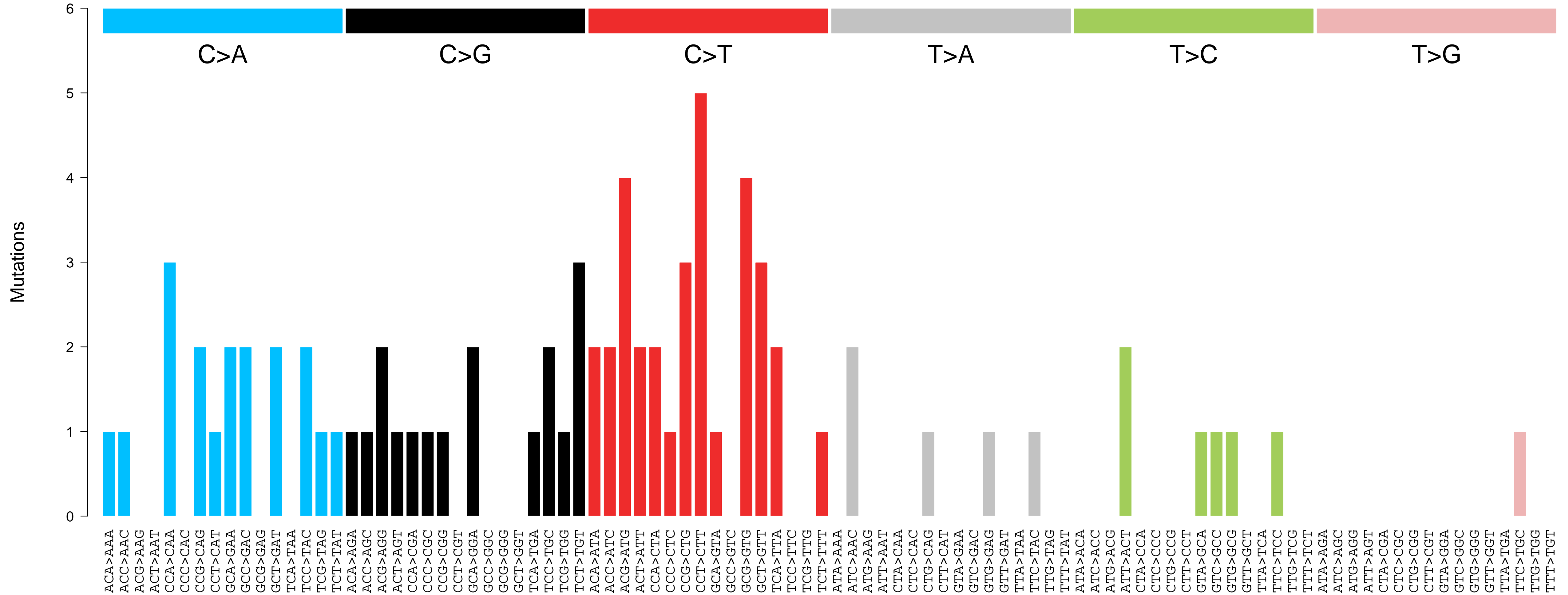
Mutational spectrum #83
(21 mutations)



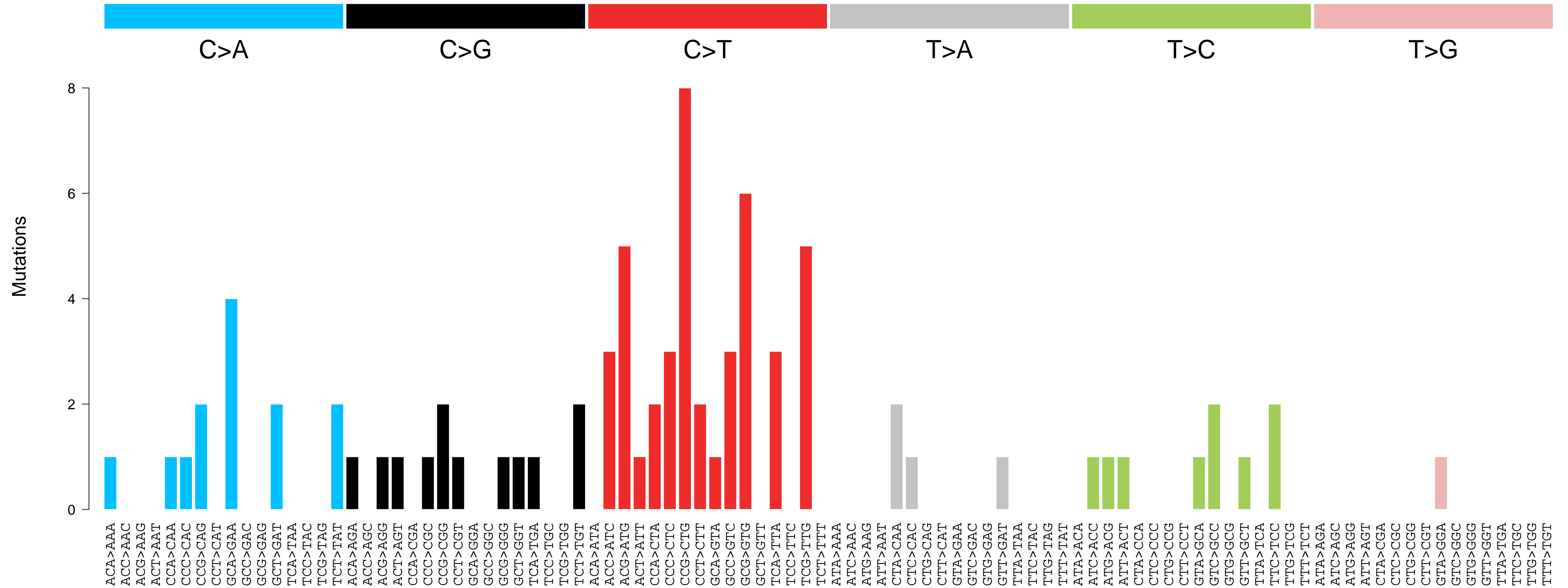
Mutational spectrum #84
(141 mutations)



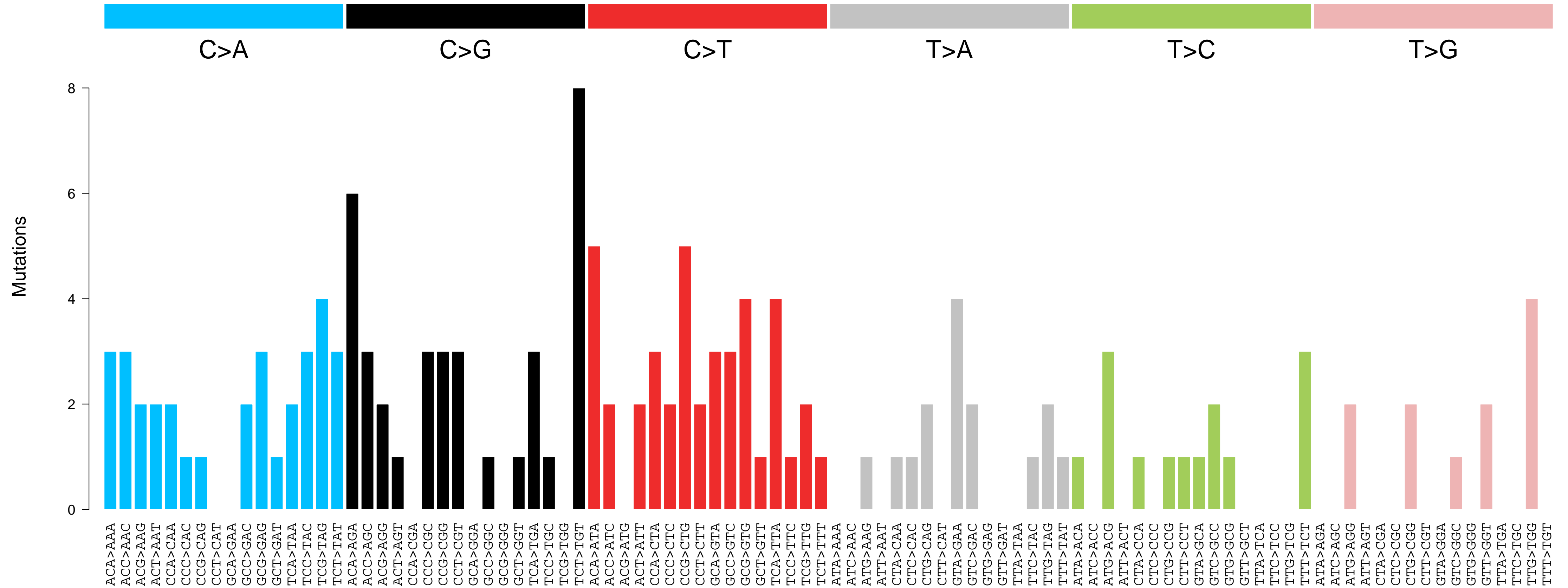
Mutational spectrum #85
(79 mutations)



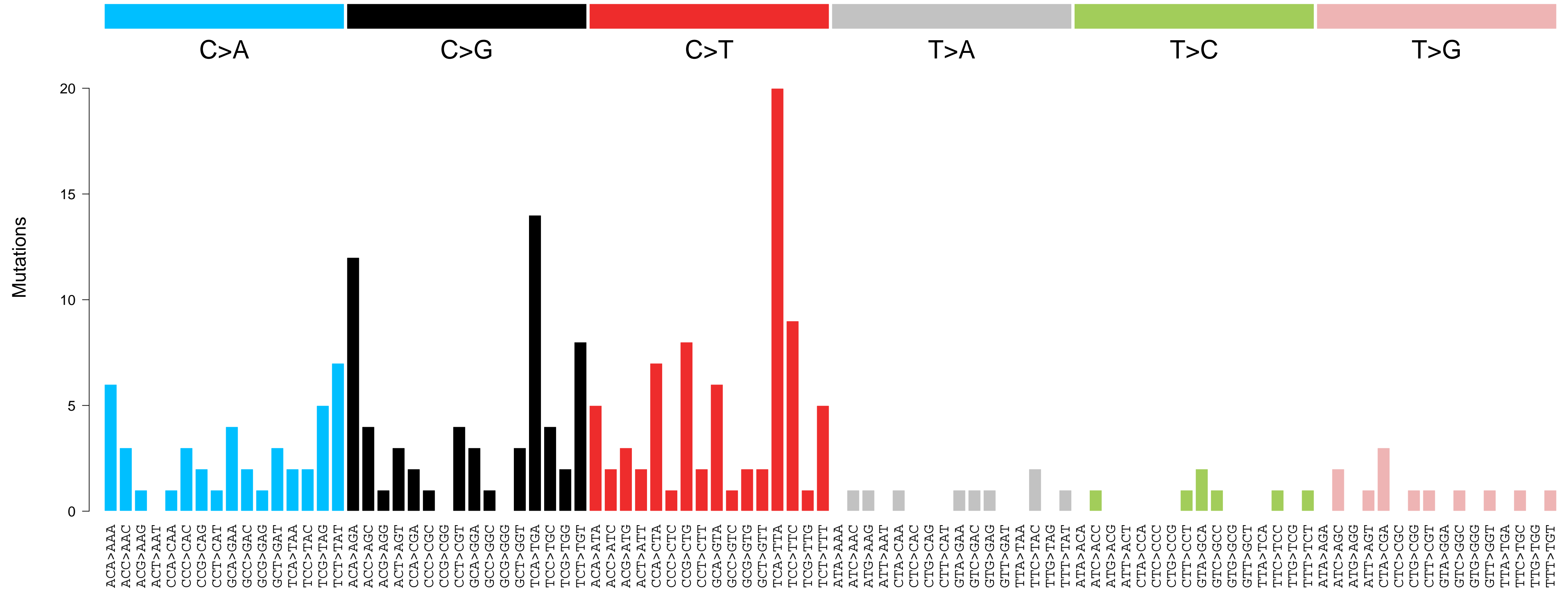
Mutational spectrum #86
(81 mutations)



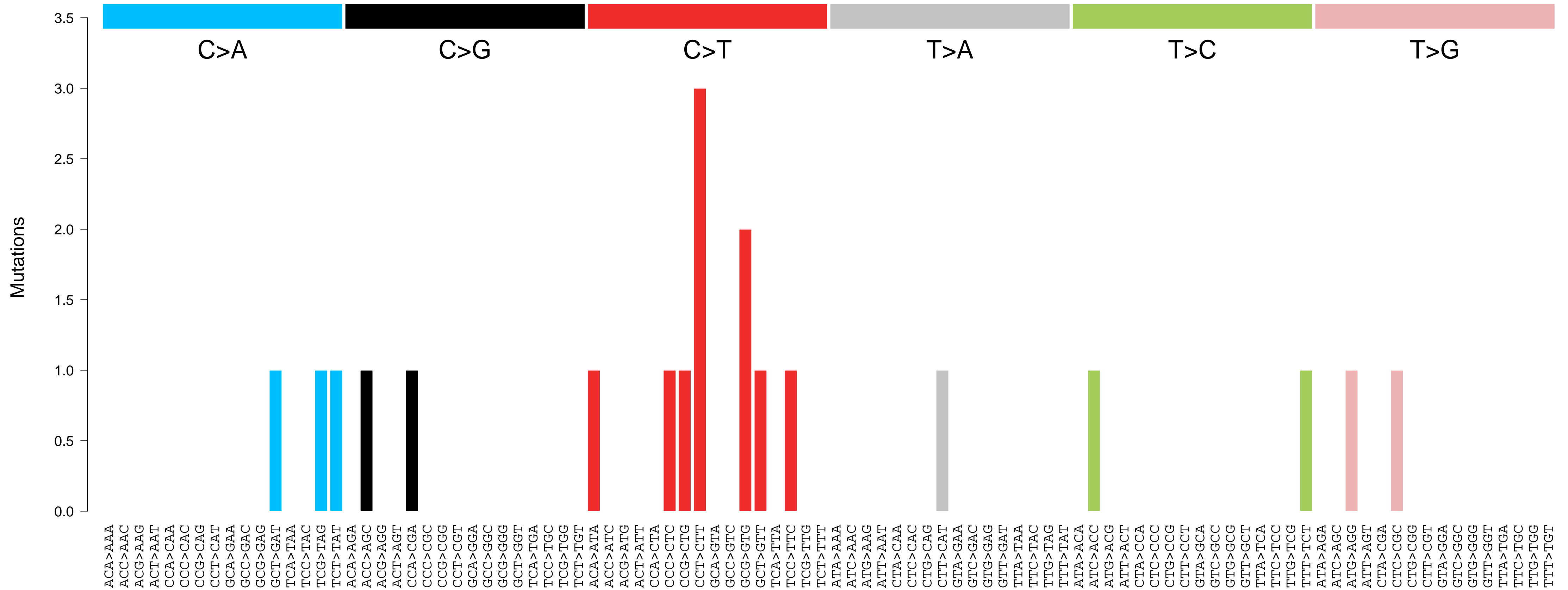
Mutational spectrum #87
(147 mutations)



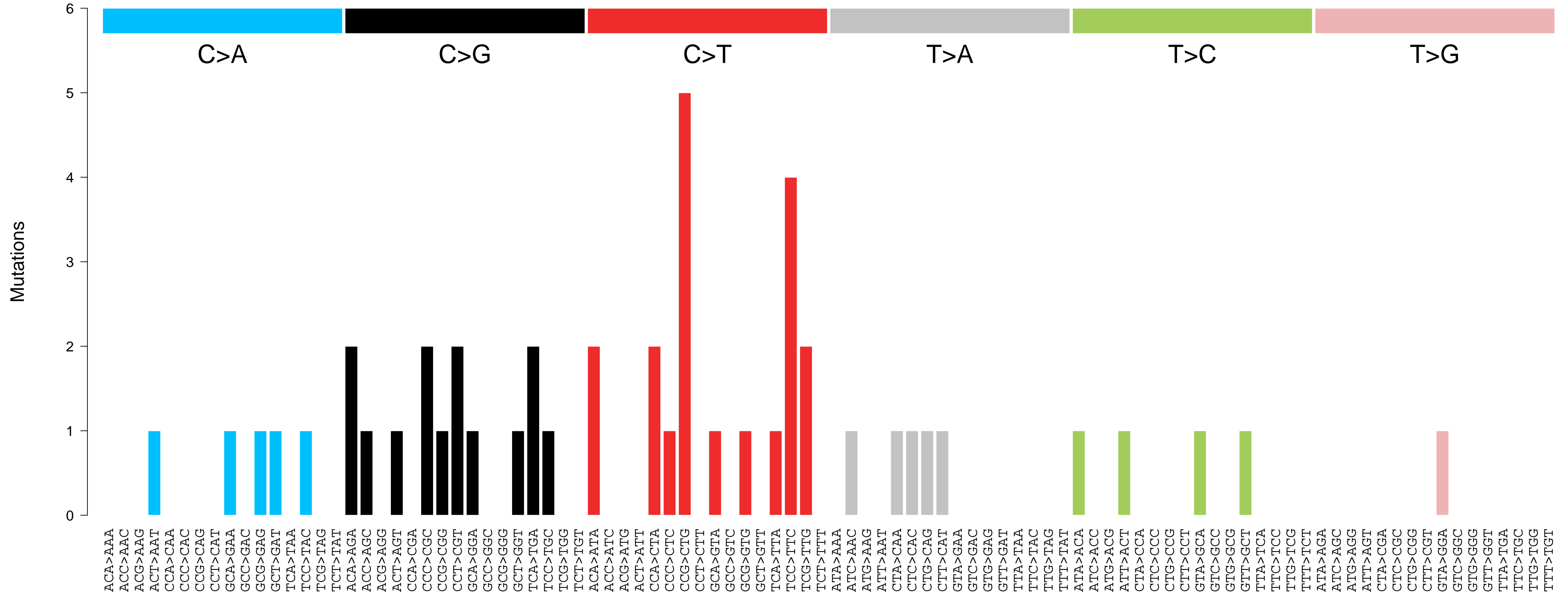
Mutational spectrum #88
(209 mutations)



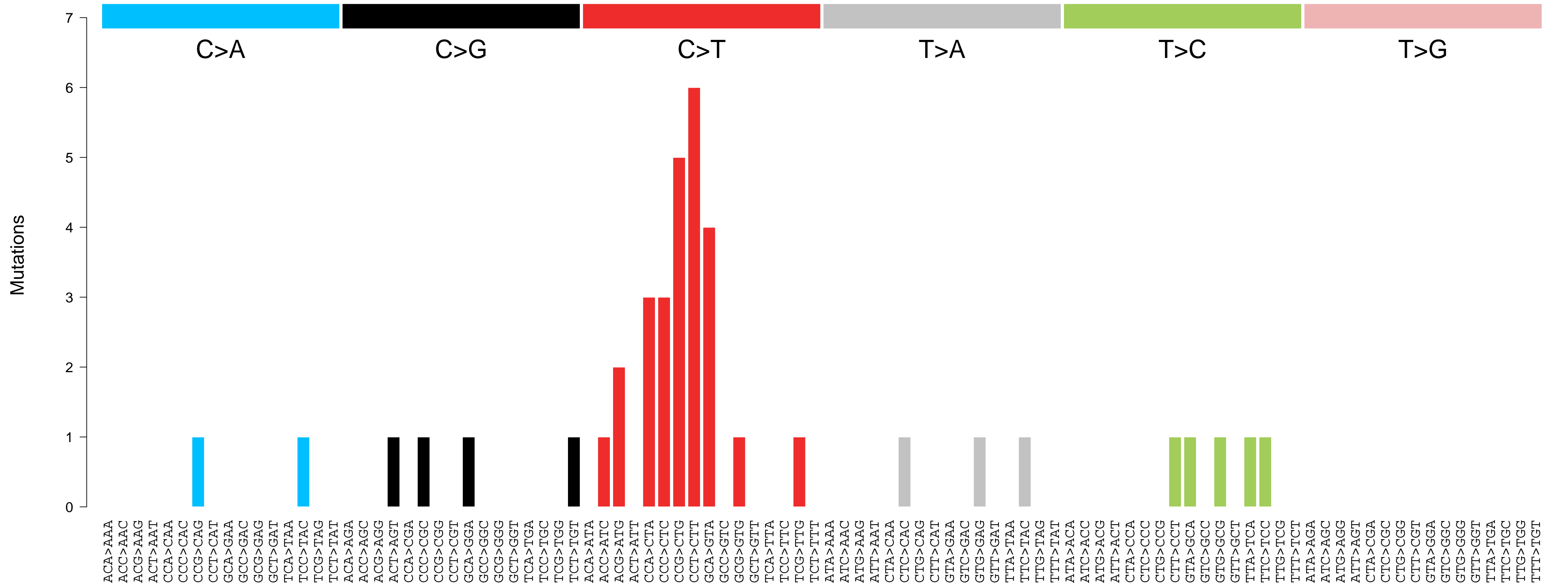
Mutational spectrum #89
(20 mutations)



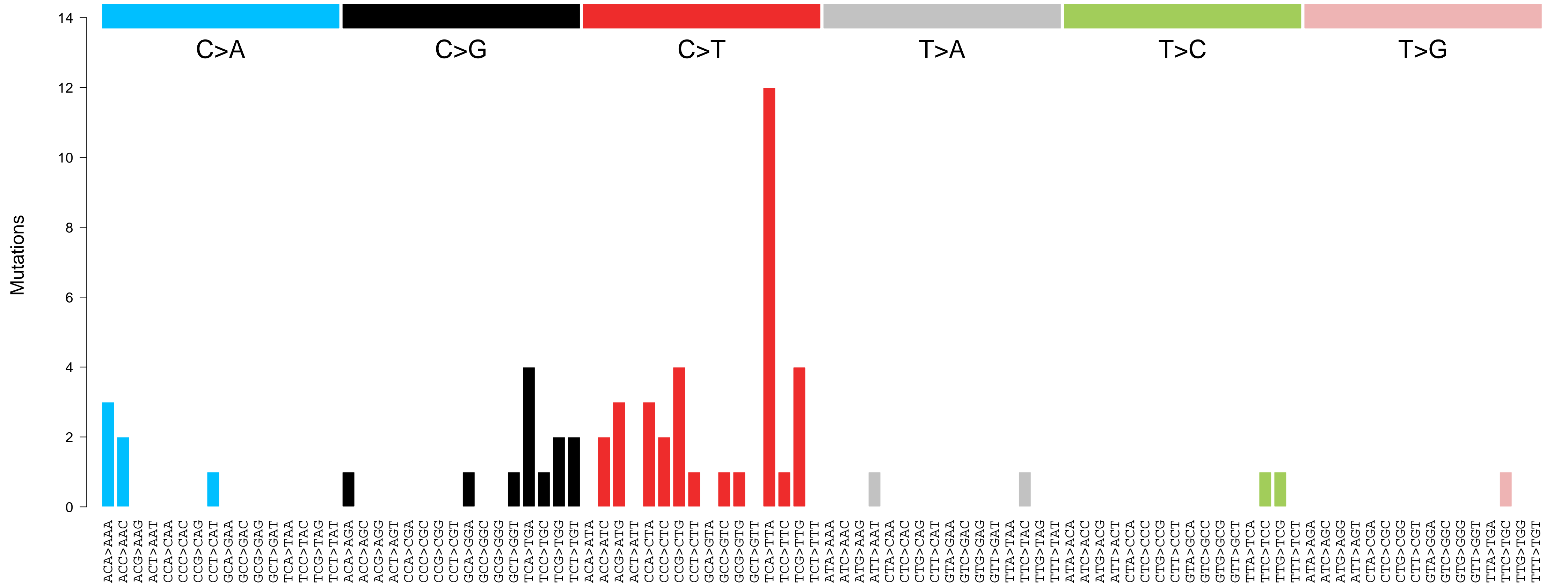
Mutational spectrum #90
(48 mutations)



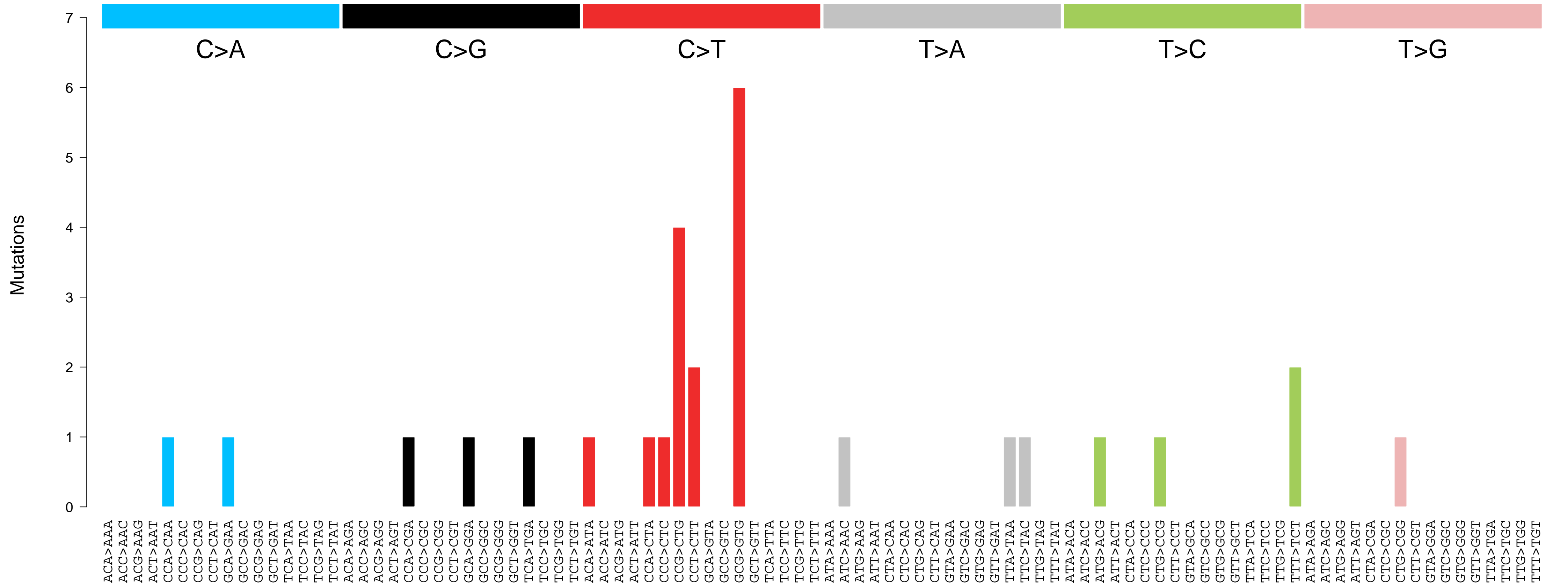
Mutational spectrum #91
(40 mutations)



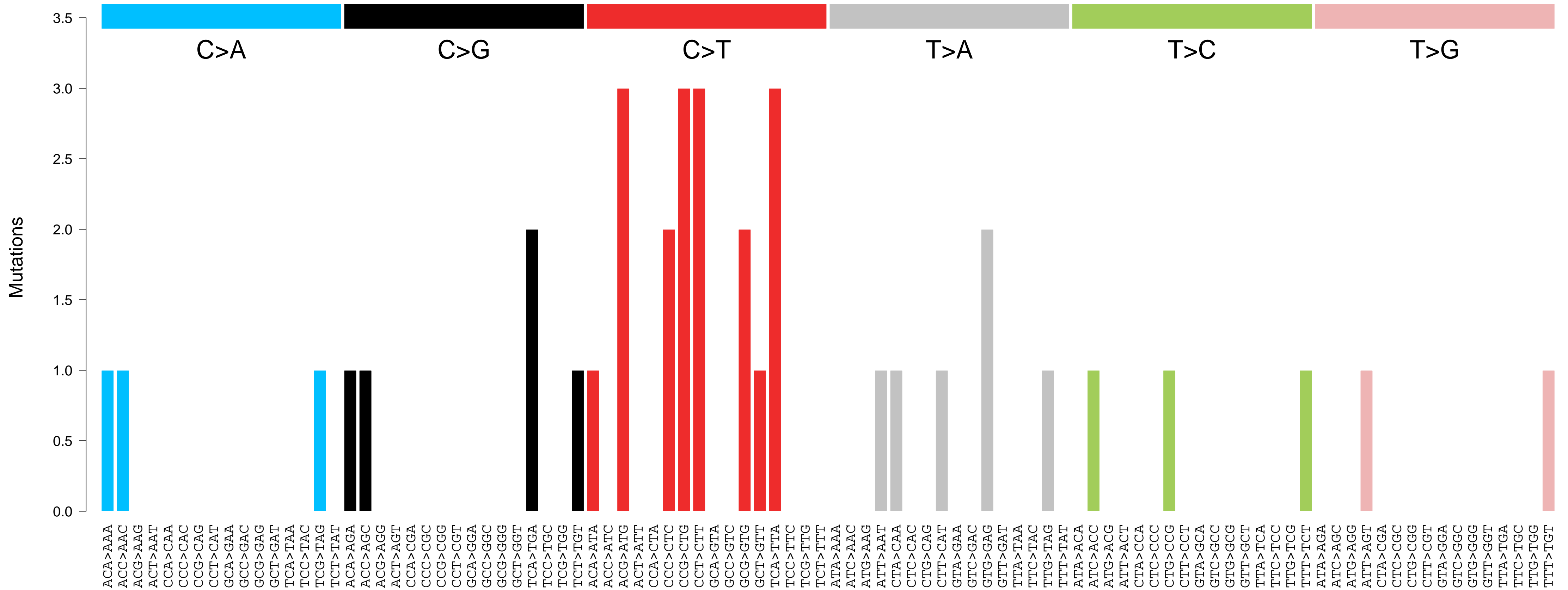
Mutational spectrum #92
(57 mutations)



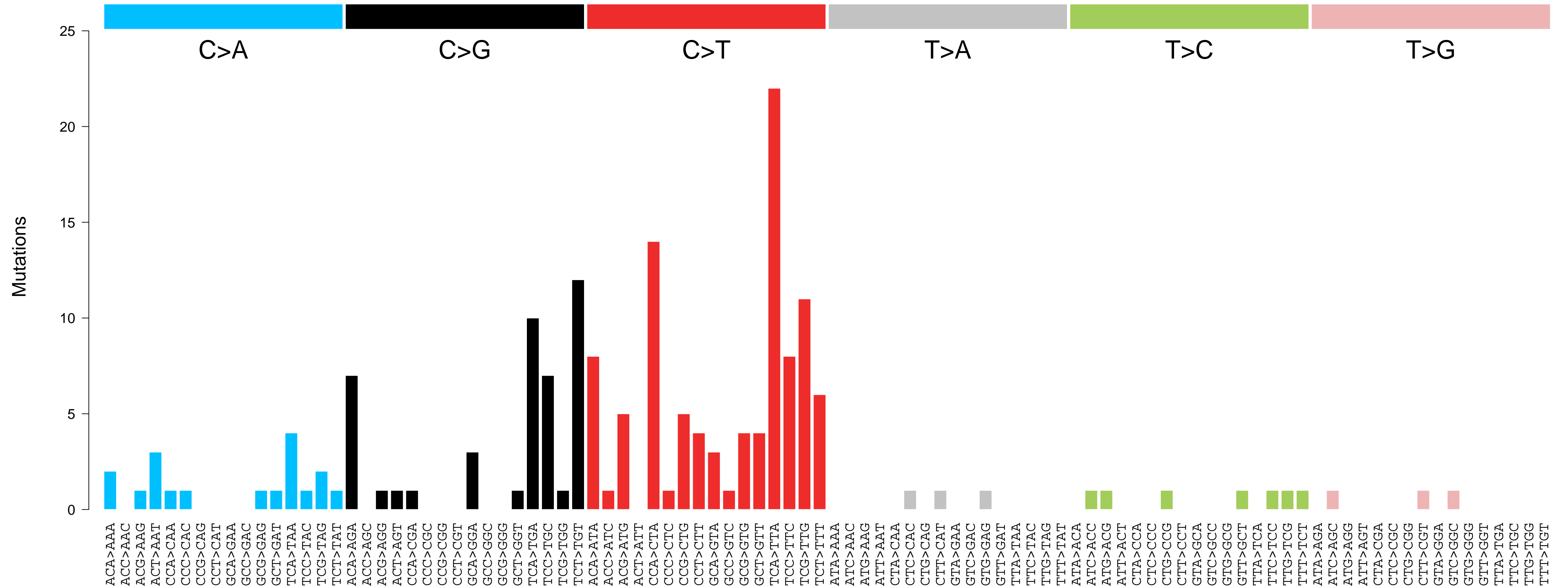
Mutational spectrum #93
(28 mutations)



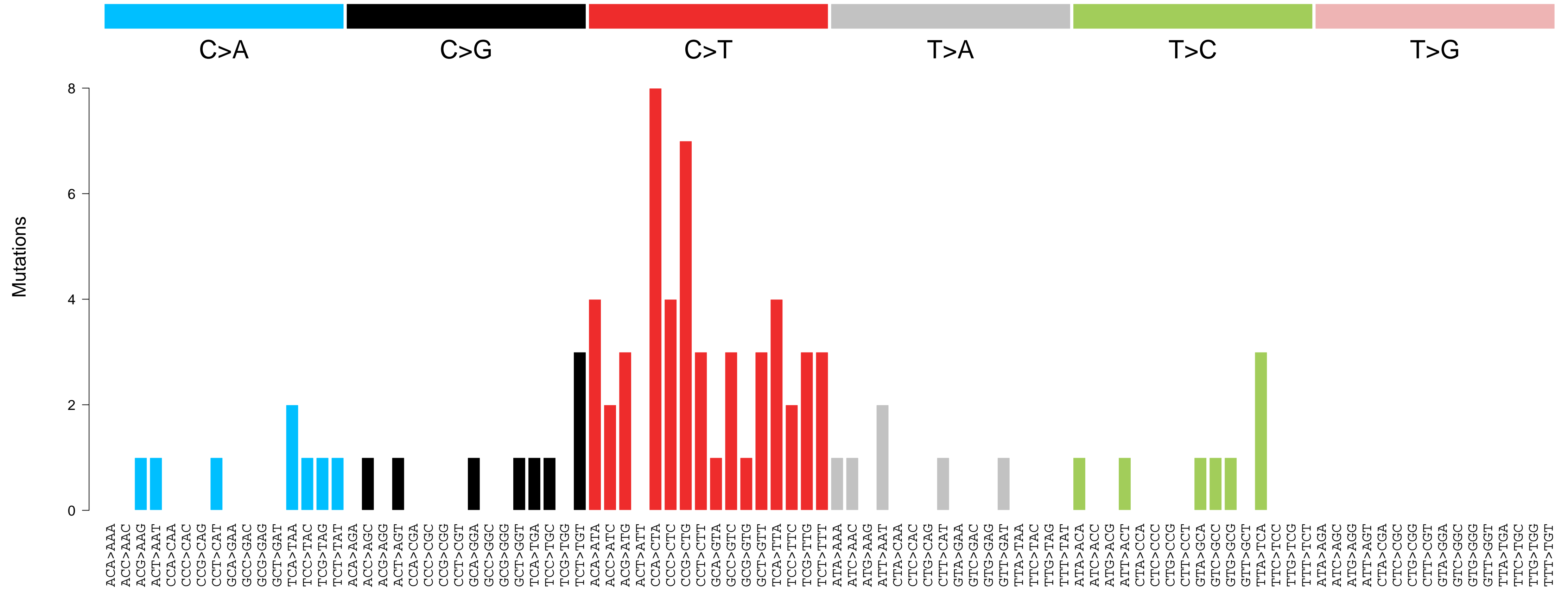
Mutational spectrum #94
(37 mutations)



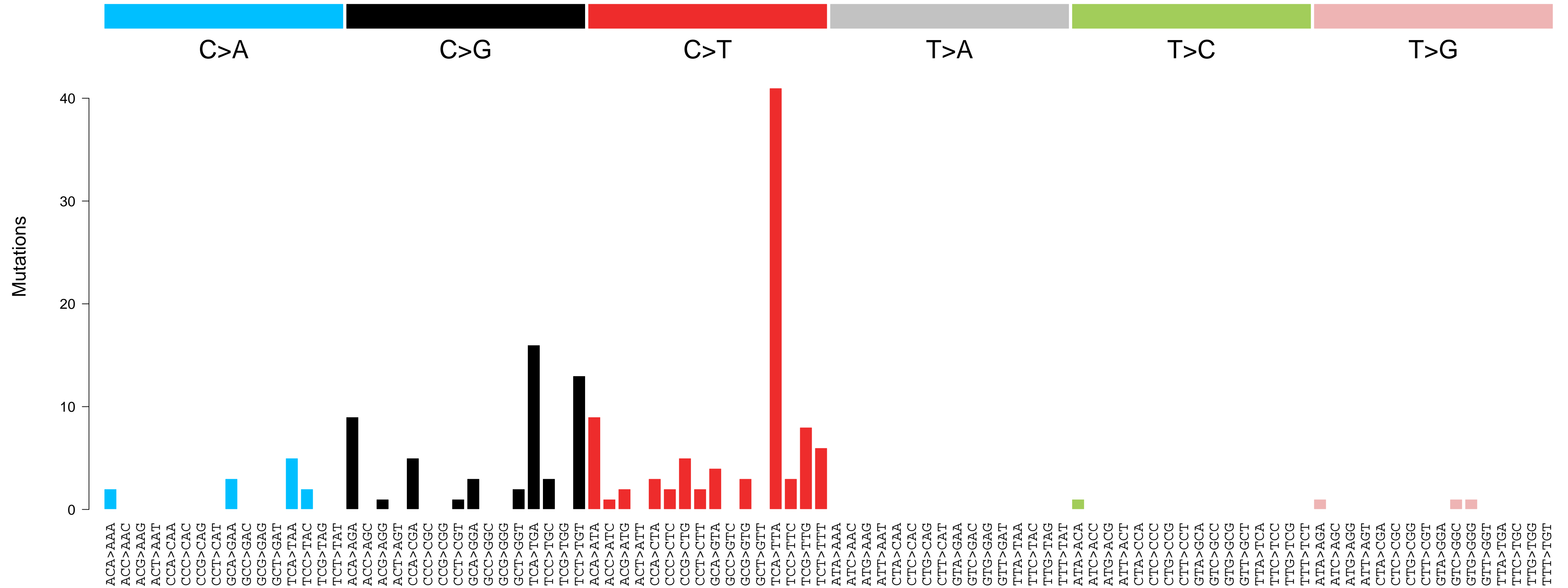
Mutational spectrum #95
(172 mutations)



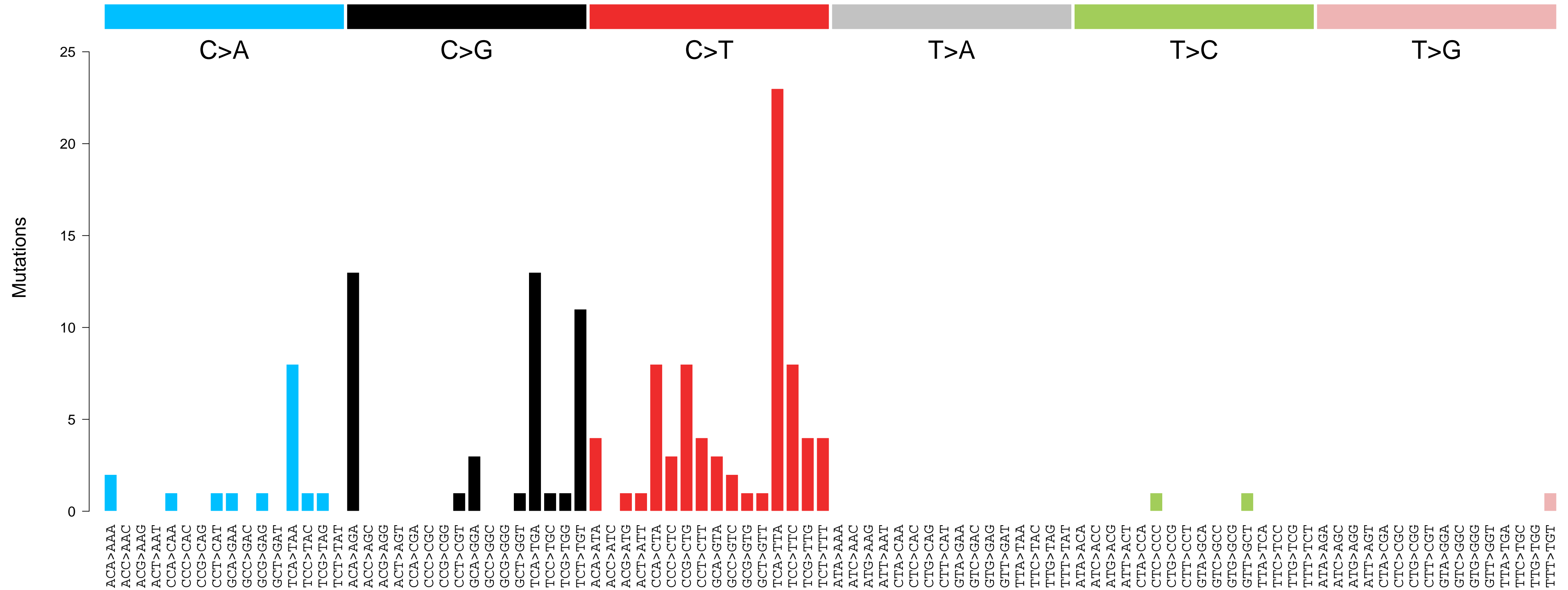
Mutational spectrum #96
(82 mutations)



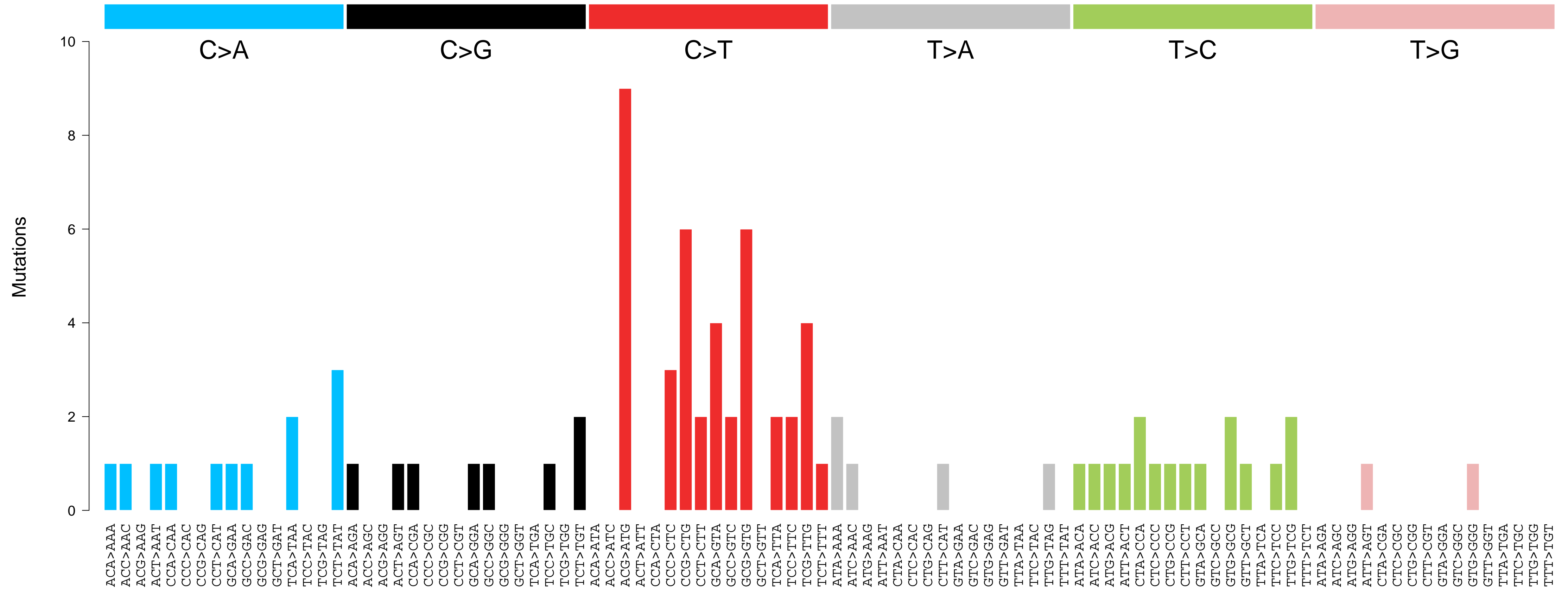
Mutational spectrum #97
(158 mutations)



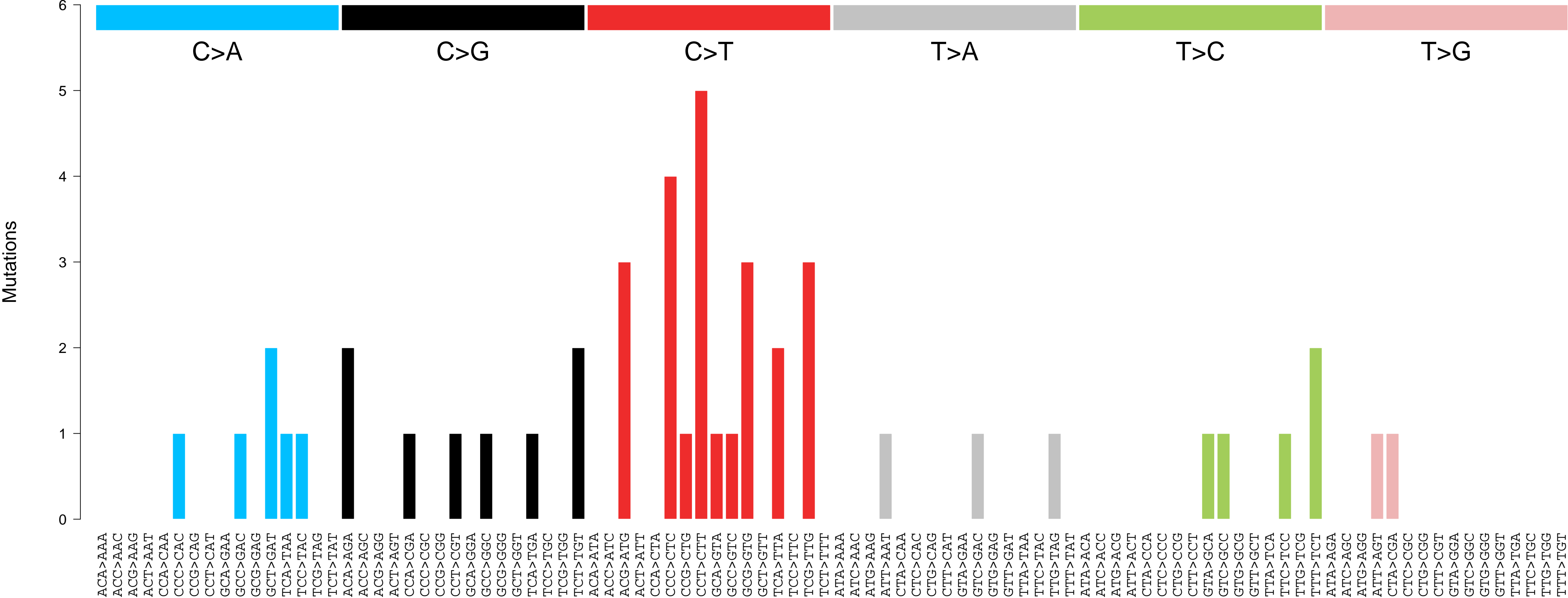
Mutational spectrum #98
(138 mutations)



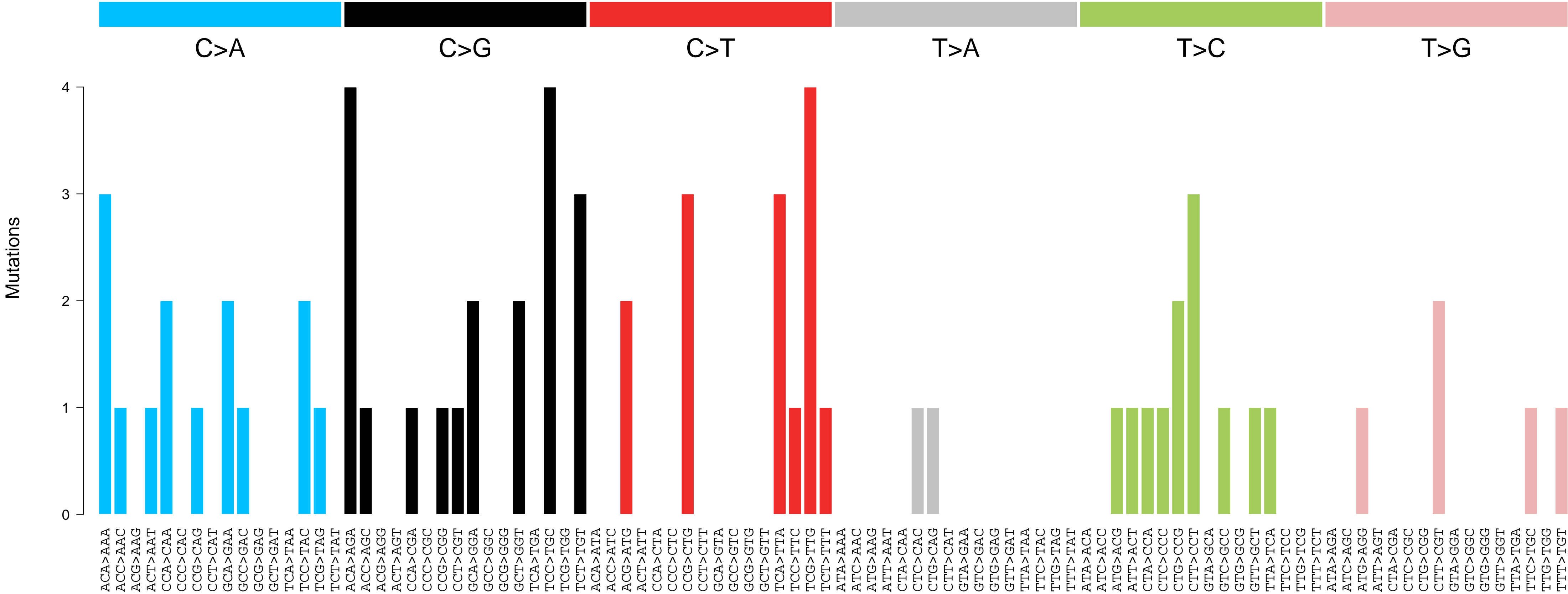
Mutational spectrum #99
(84 mutations)



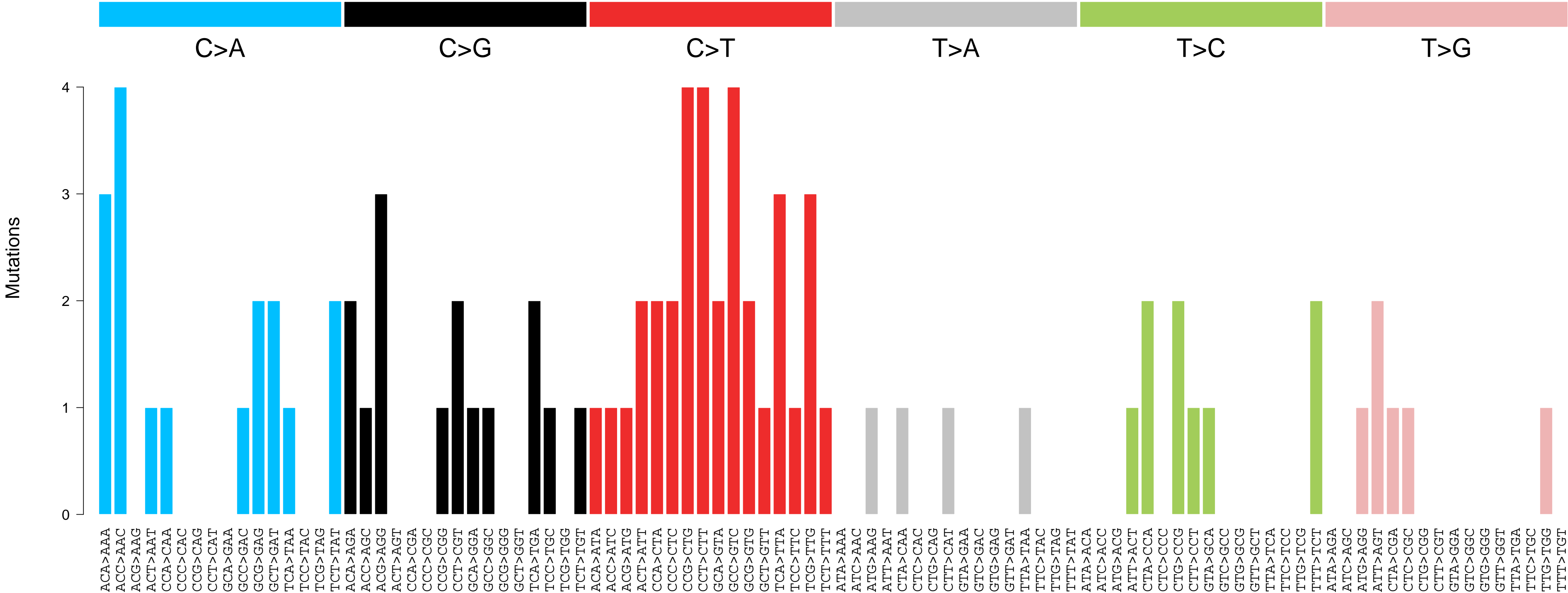
Mutational spectrum #100
(47 mutations)



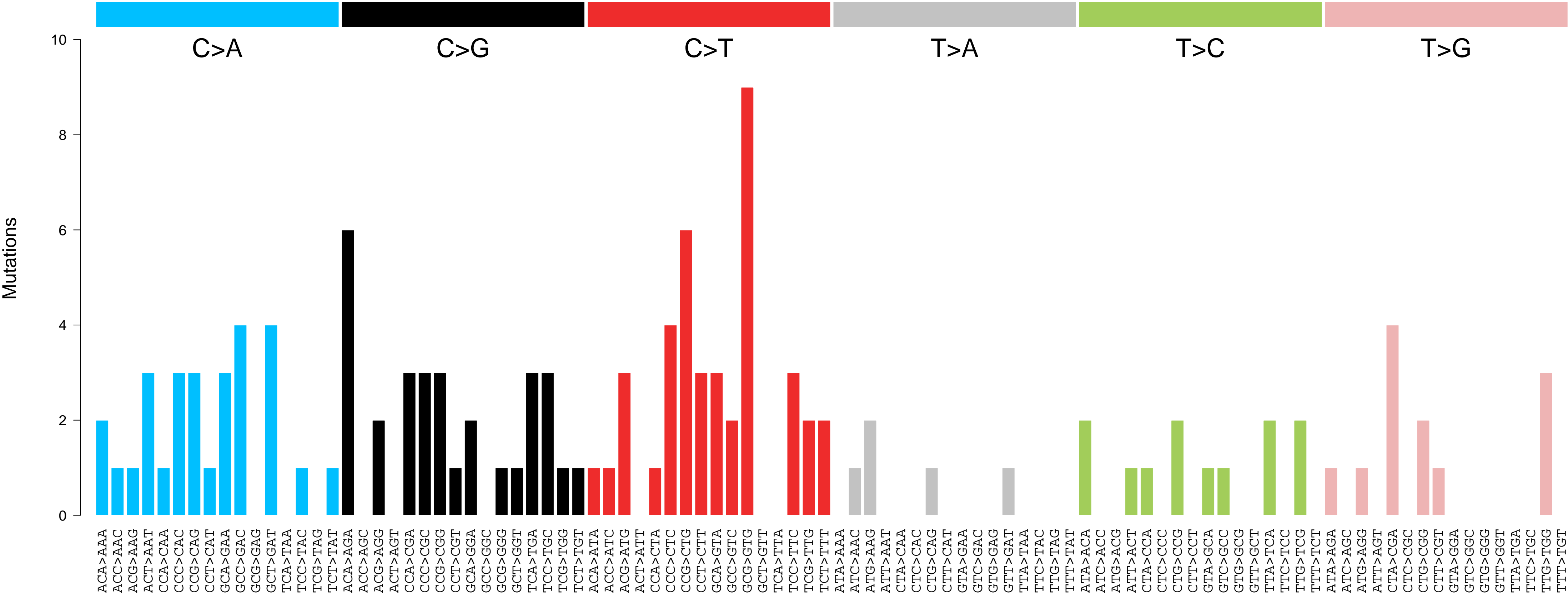
Mutational spectrum #101
(66 mutations)



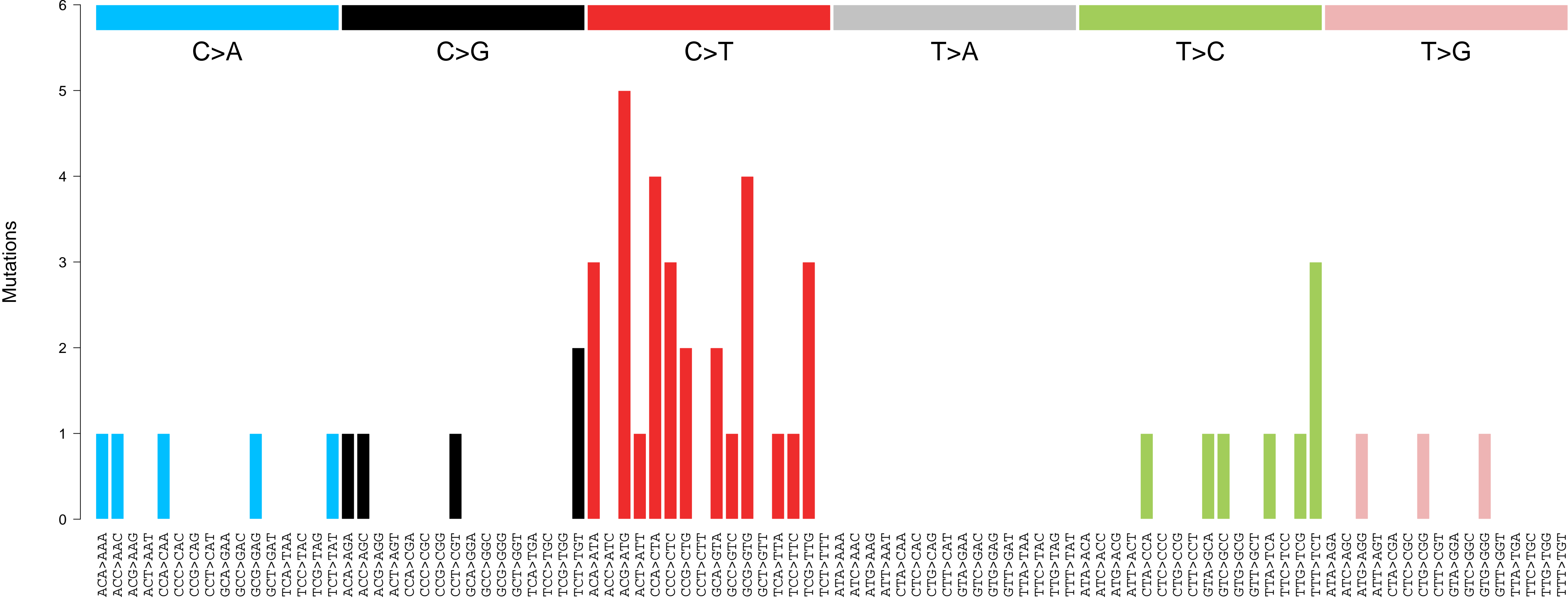
Mutational spectrum #102
(85 mutations)



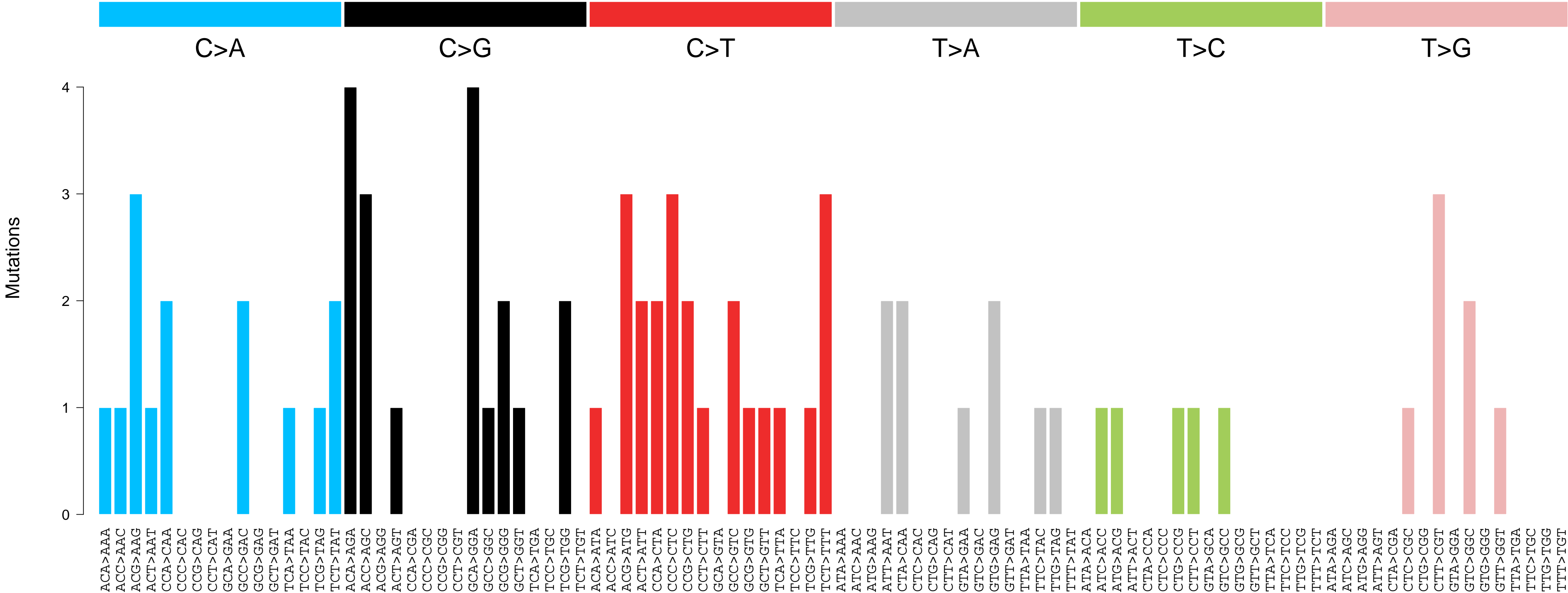
Mutational spectrum #103
(127 mutations)



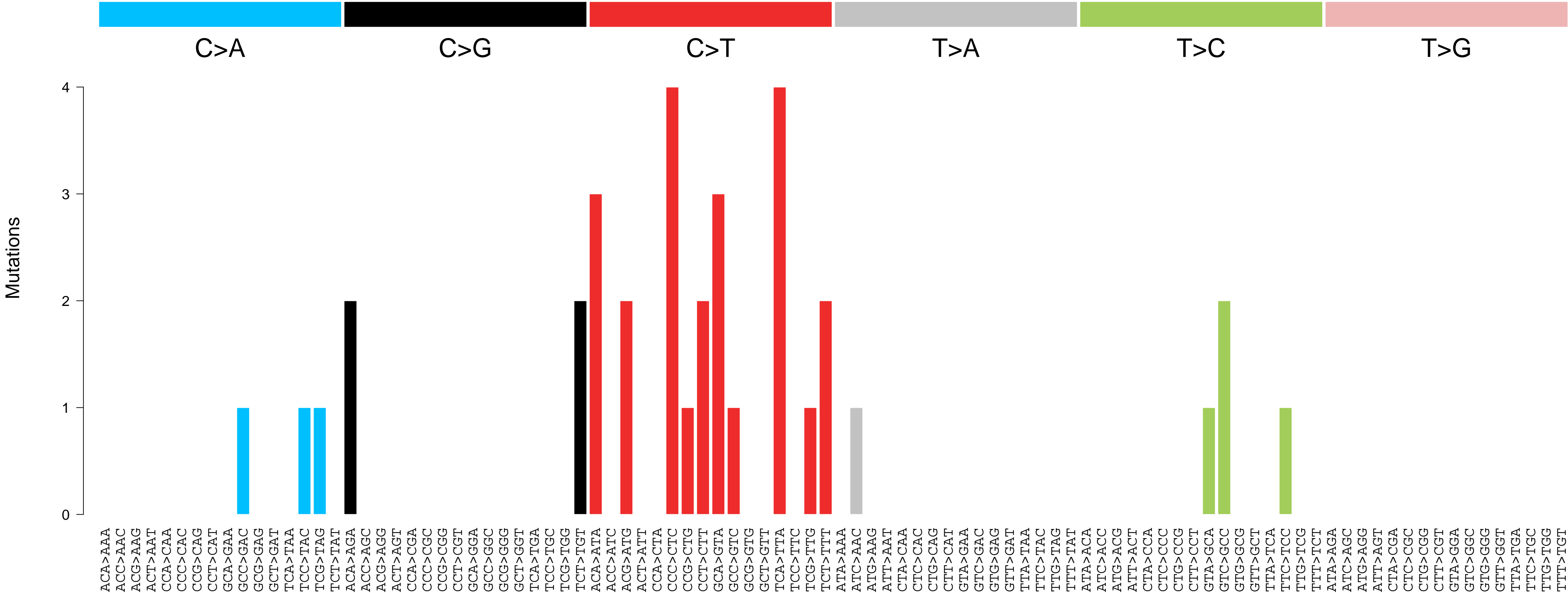
Mutational spectrum #104
(51 mutations)



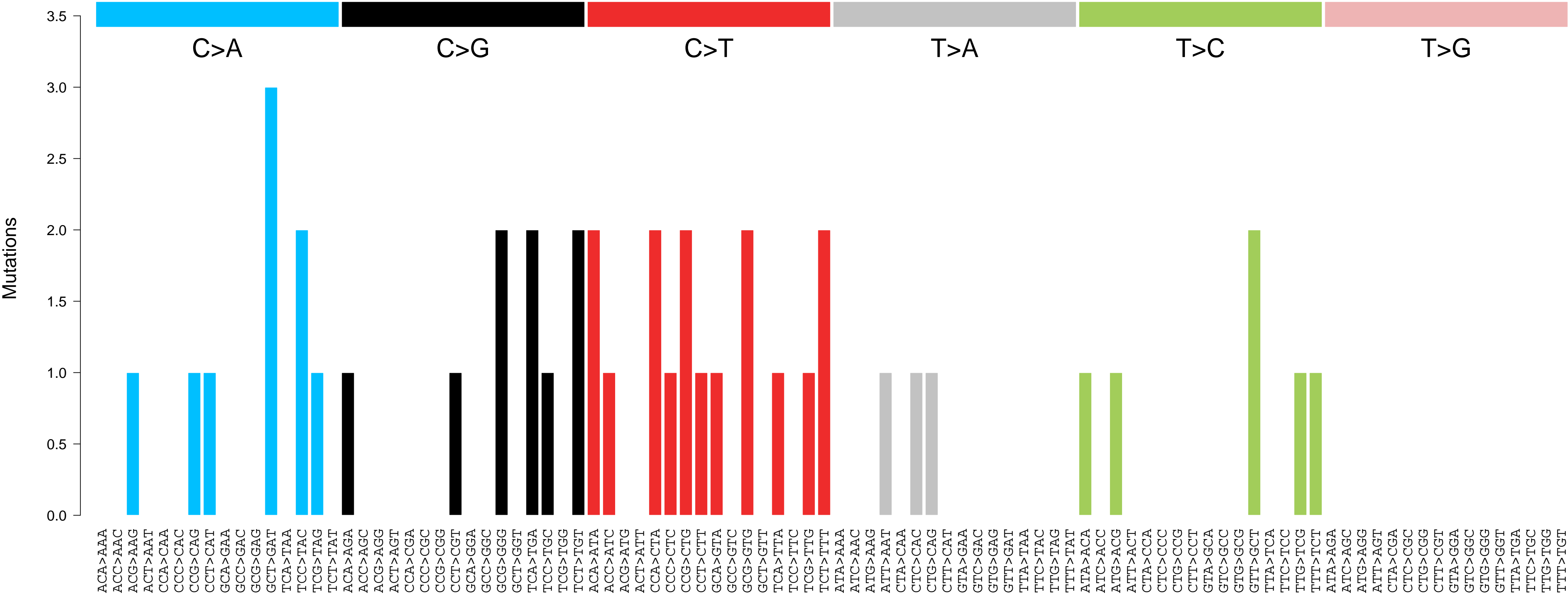
Mutational spectrum #105
(76 mutations)



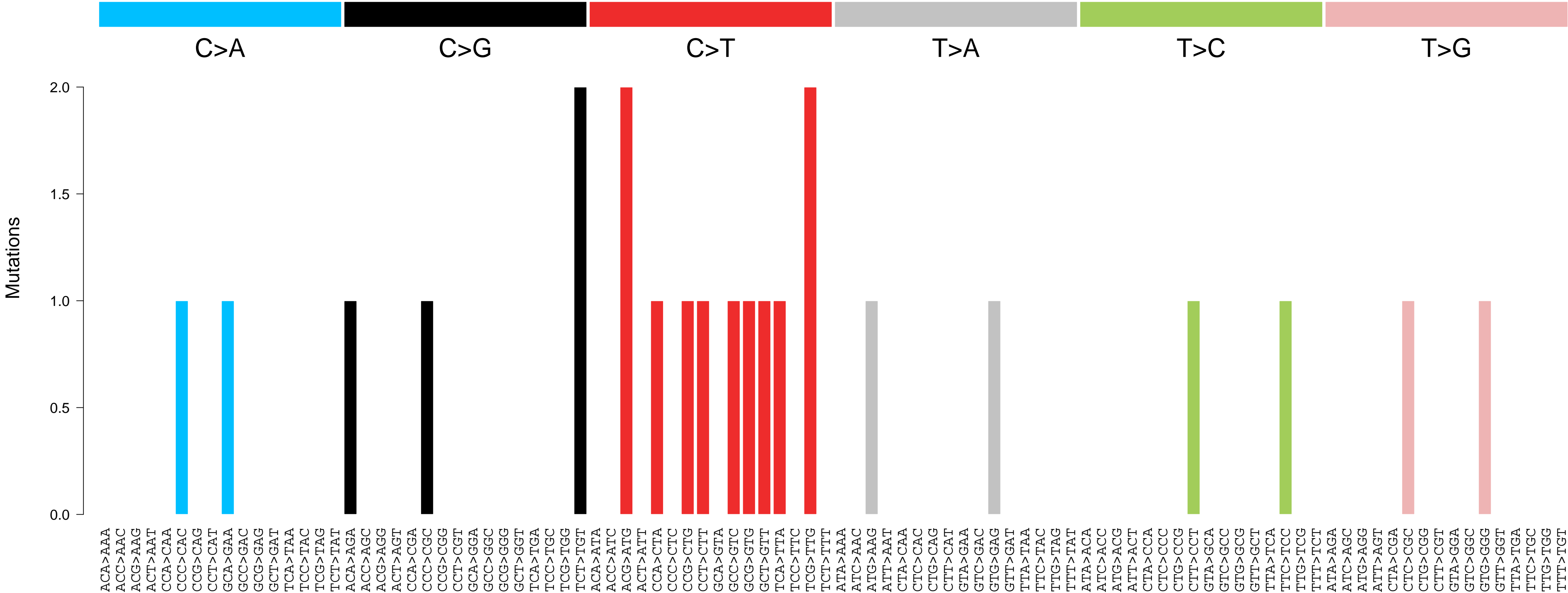
Mutational spectrum #106
(35 mutations)



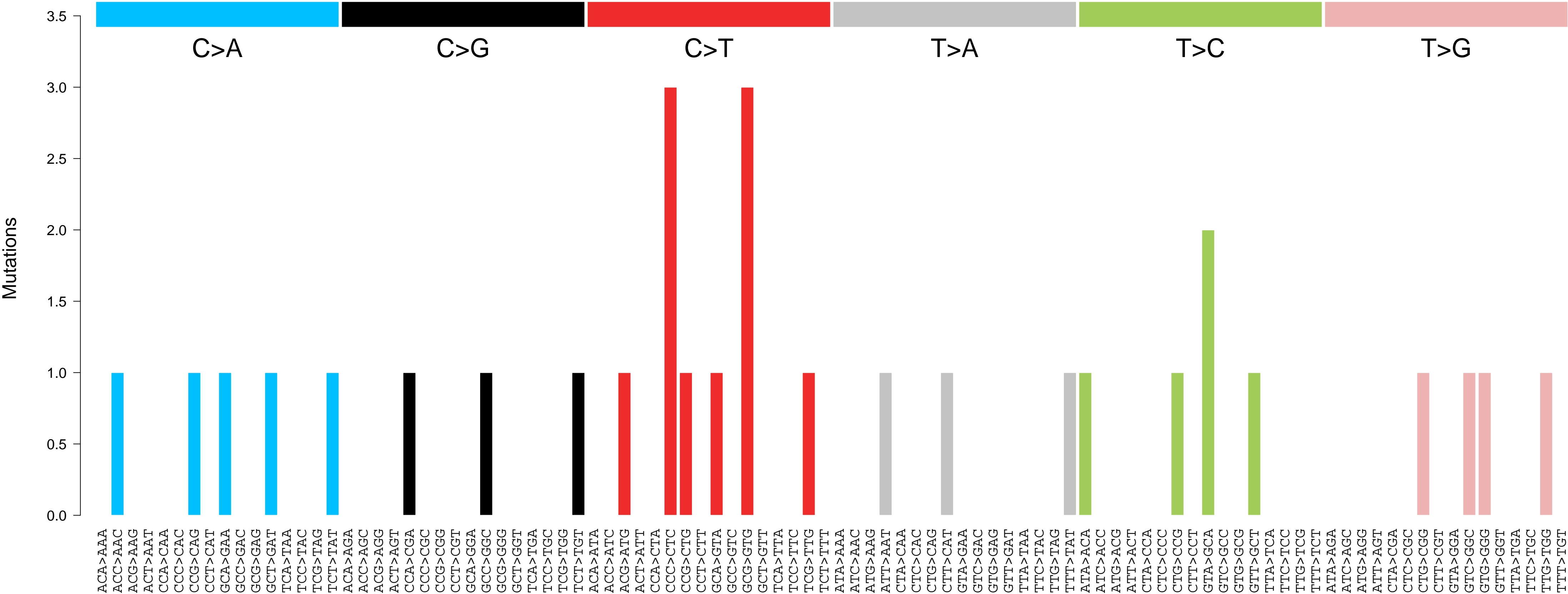
Mutational spectrum #107
(43 mutations)



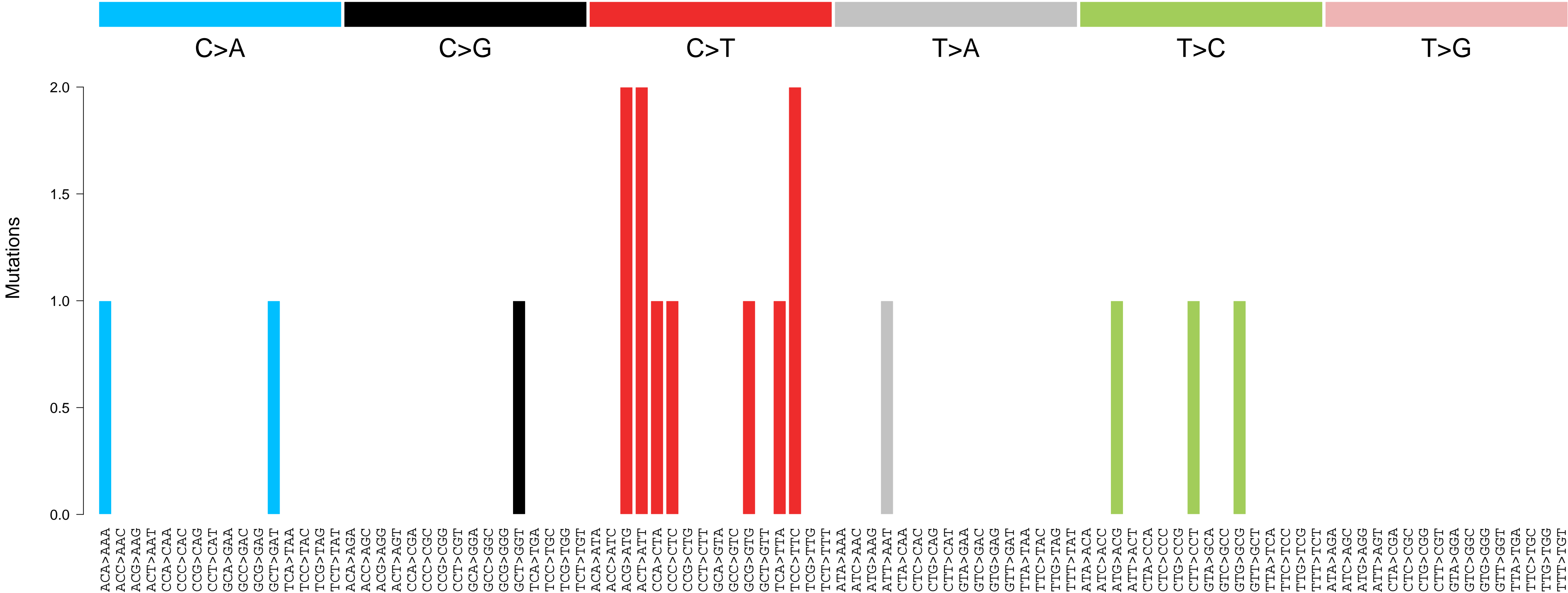
Mutational spectrum #108
(23 mutations)



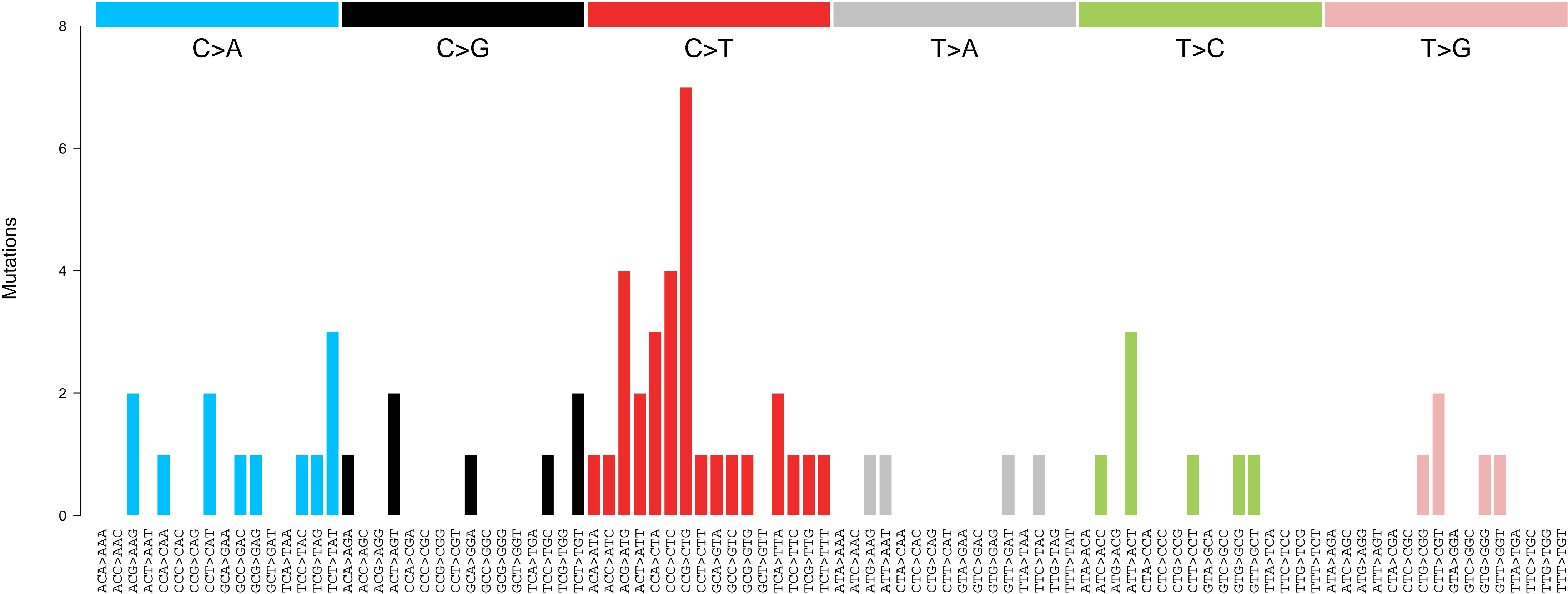
Mutational spectrum #109
(30 mutations)



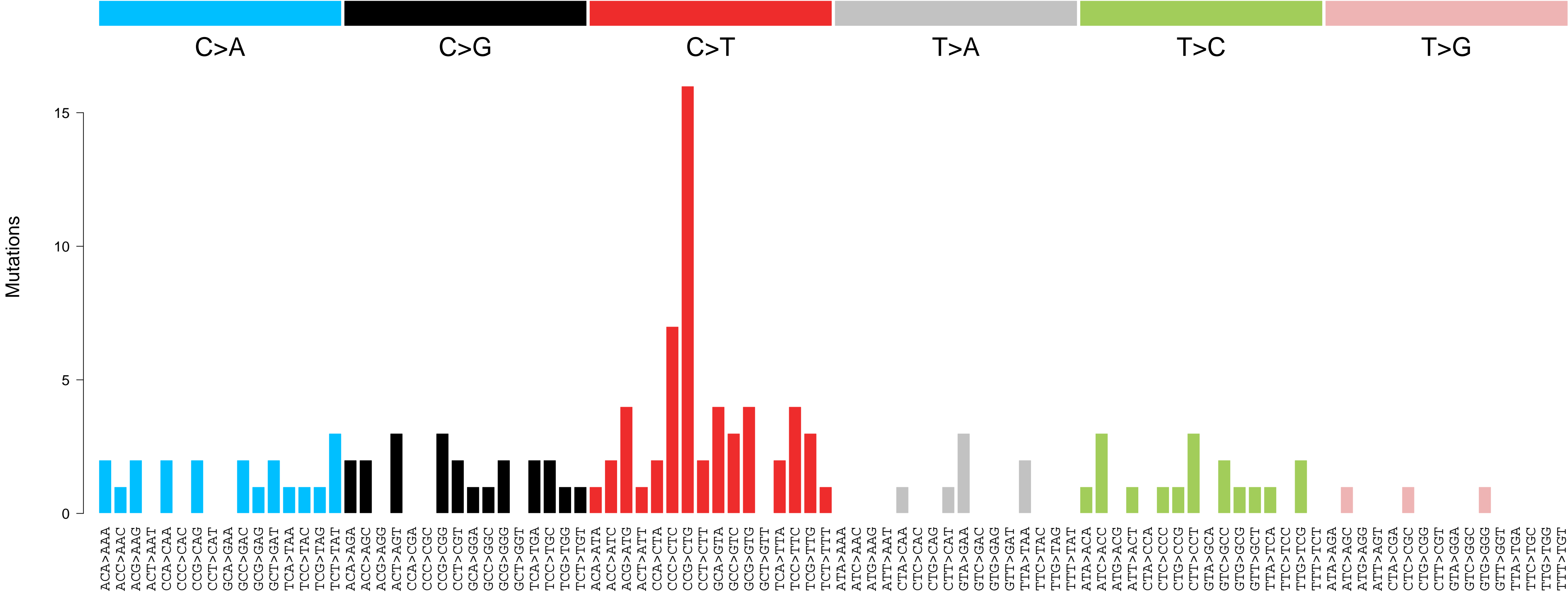
Mutational spectrum #110
(17 mutations)



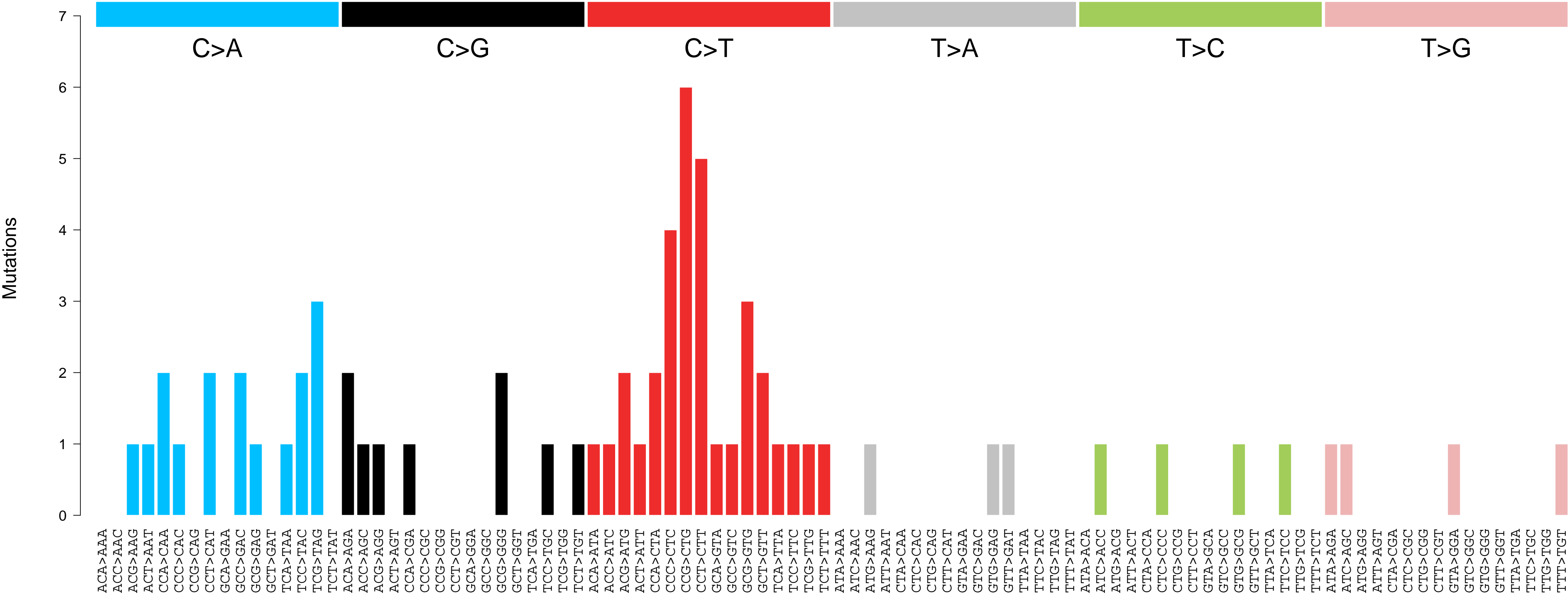
Mutational spectrum #111
(66 mutations)



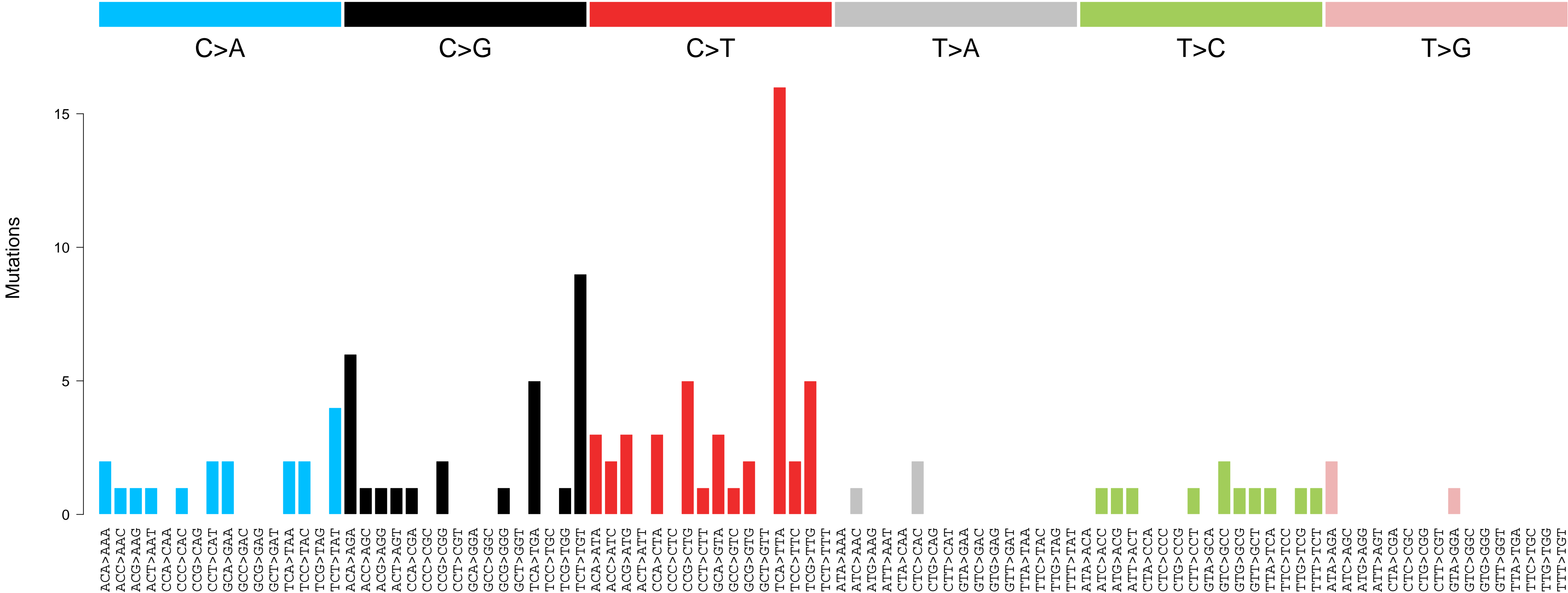
Mutational spectrum #112
(125 mutations)



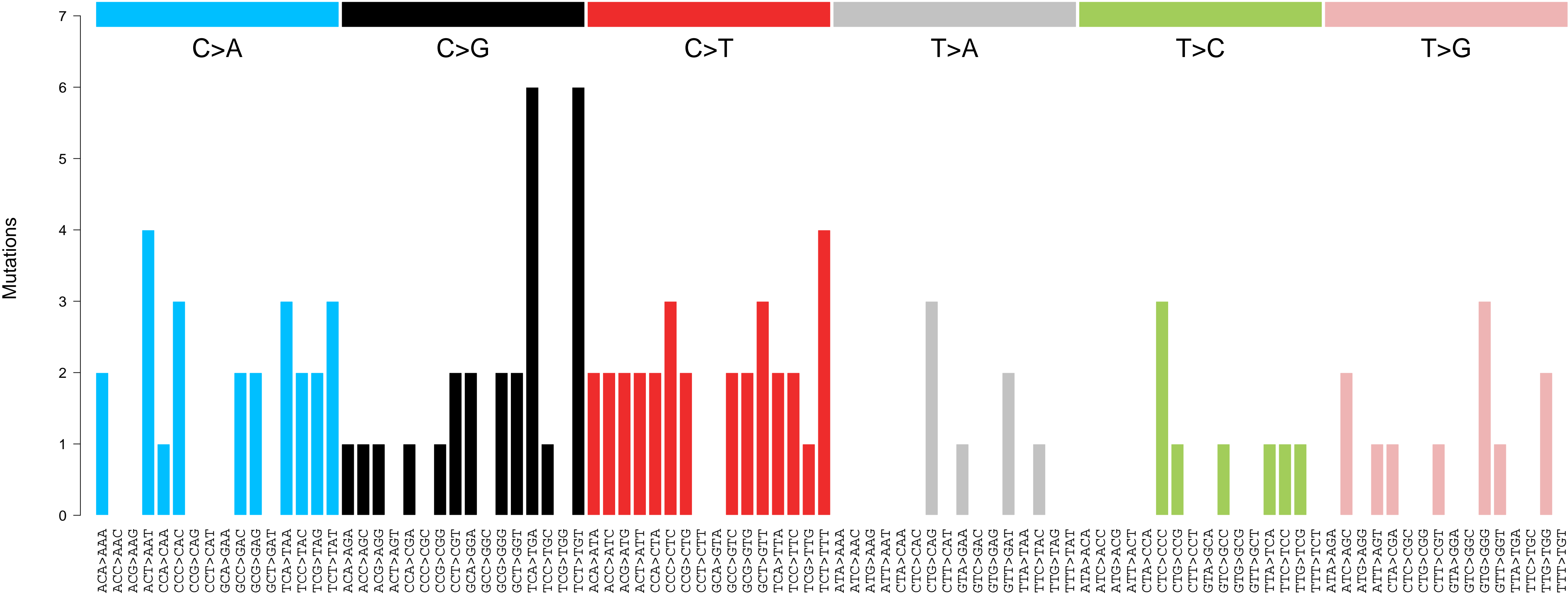
Mutational spectrum #113
(69 mutations)



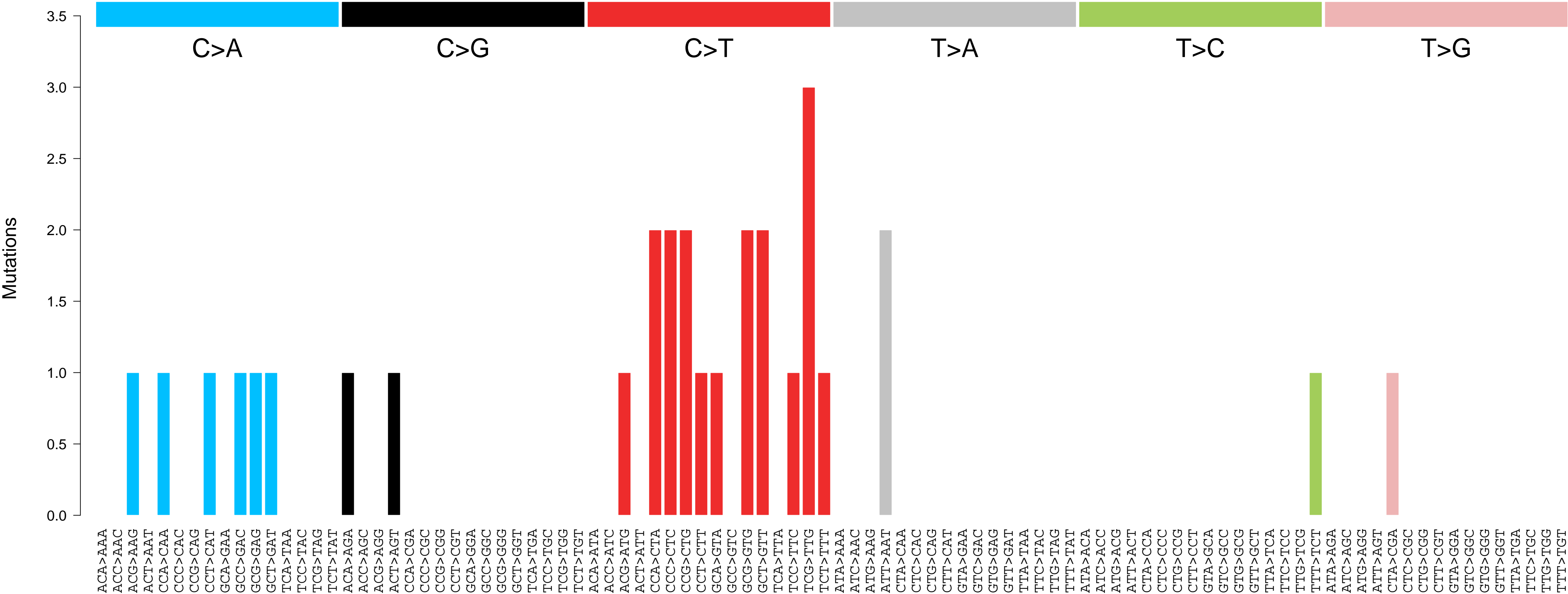
Mutational spectrum #114
(109 mutations)



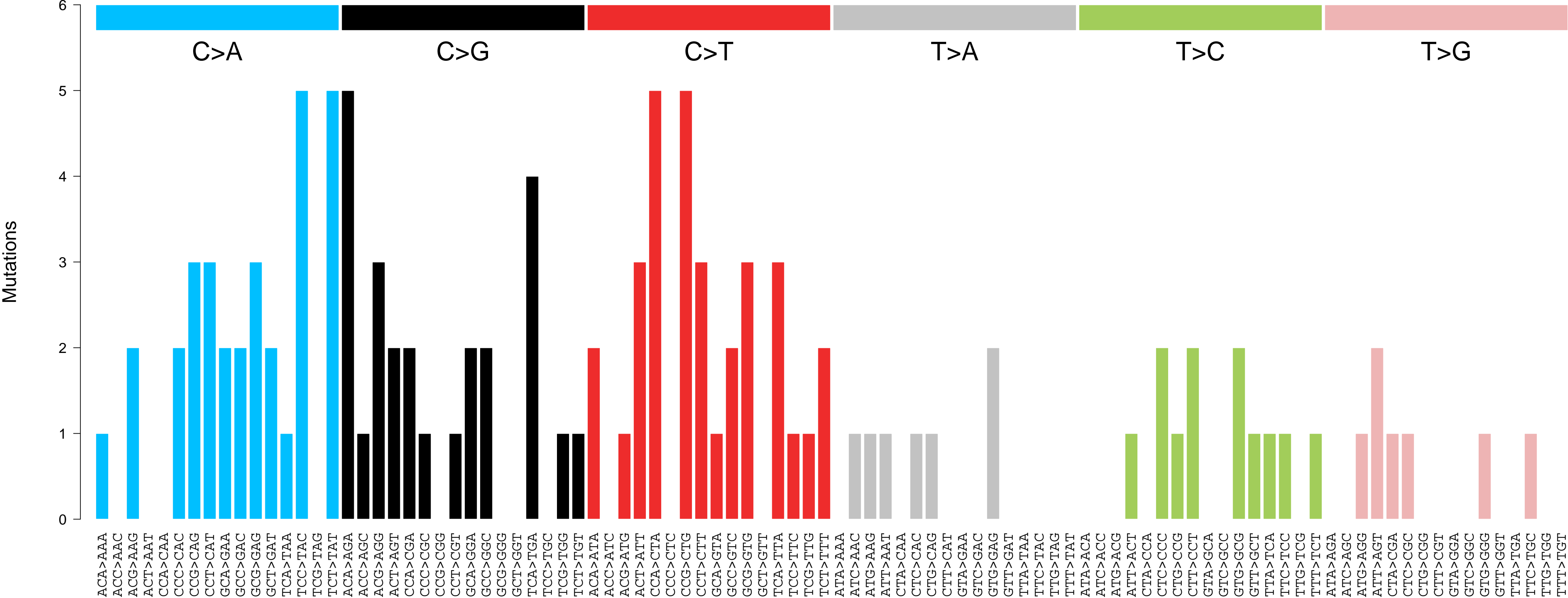
Mutational spectrum #115
(107 mutations)



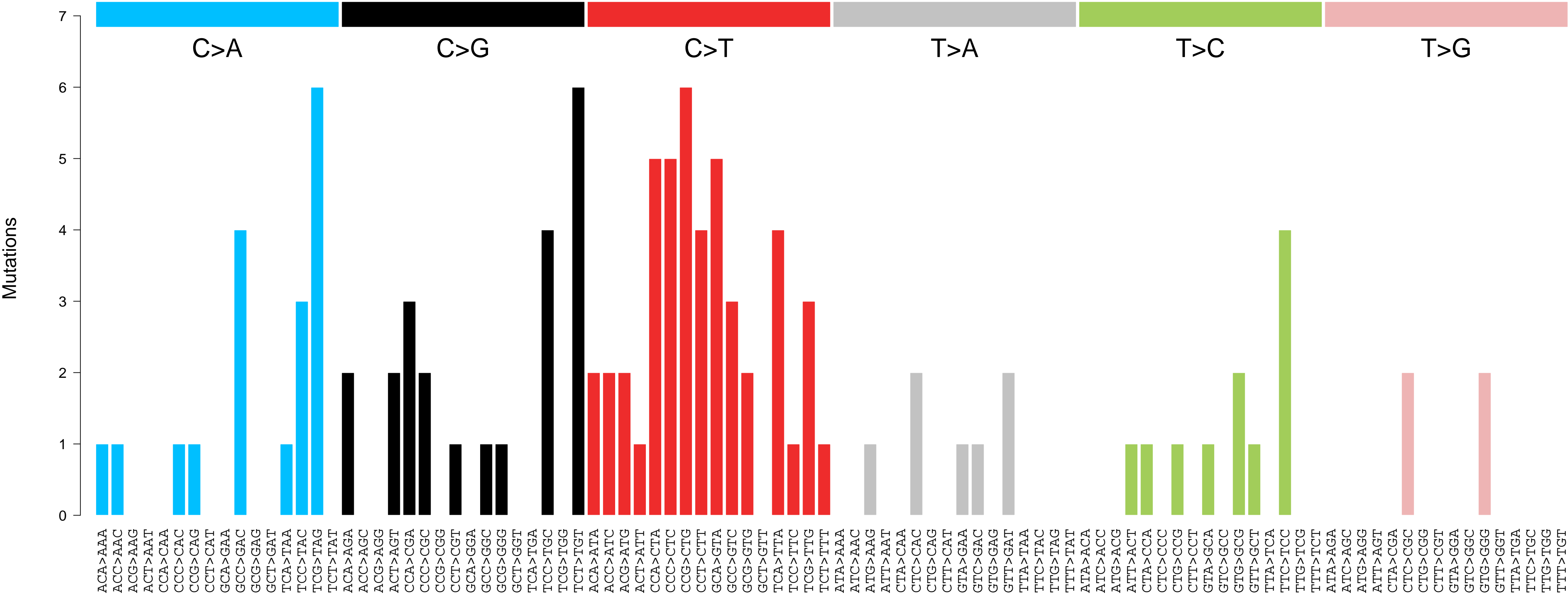
Mutational spectrum #116
(30 mutations)



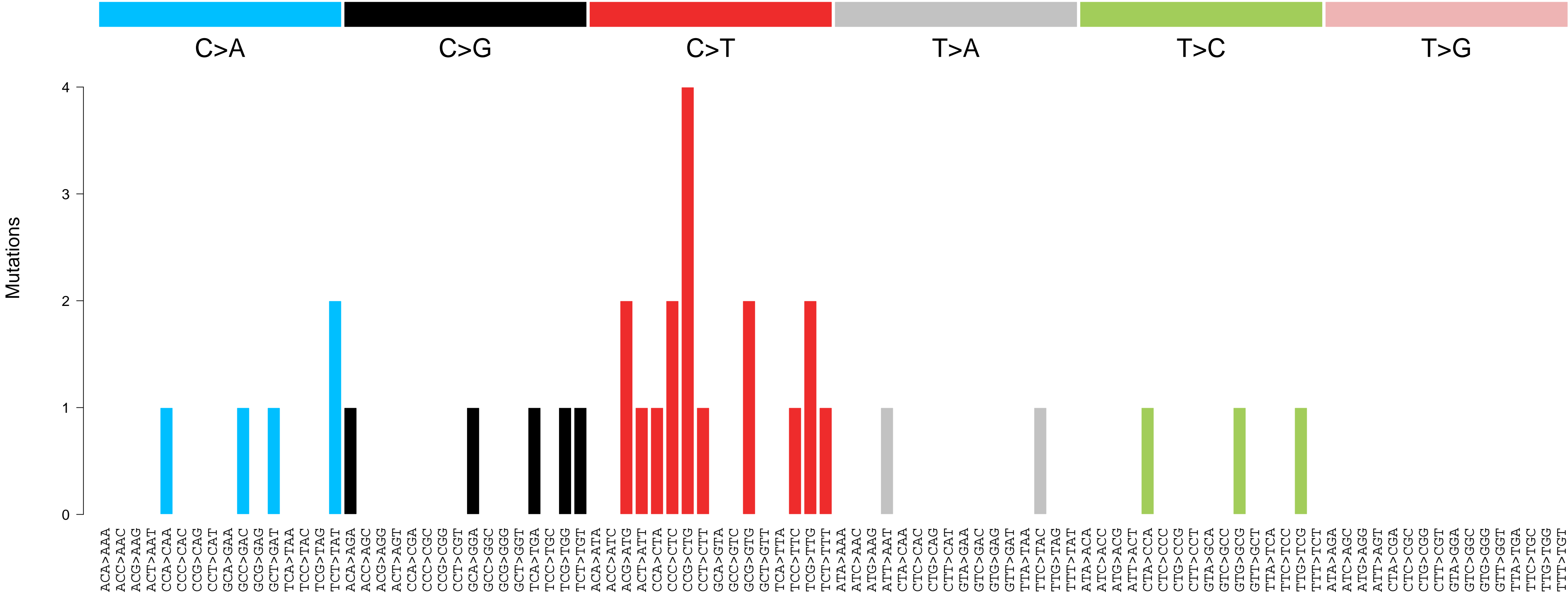
Mutational spectrum #117
(114 mutations)



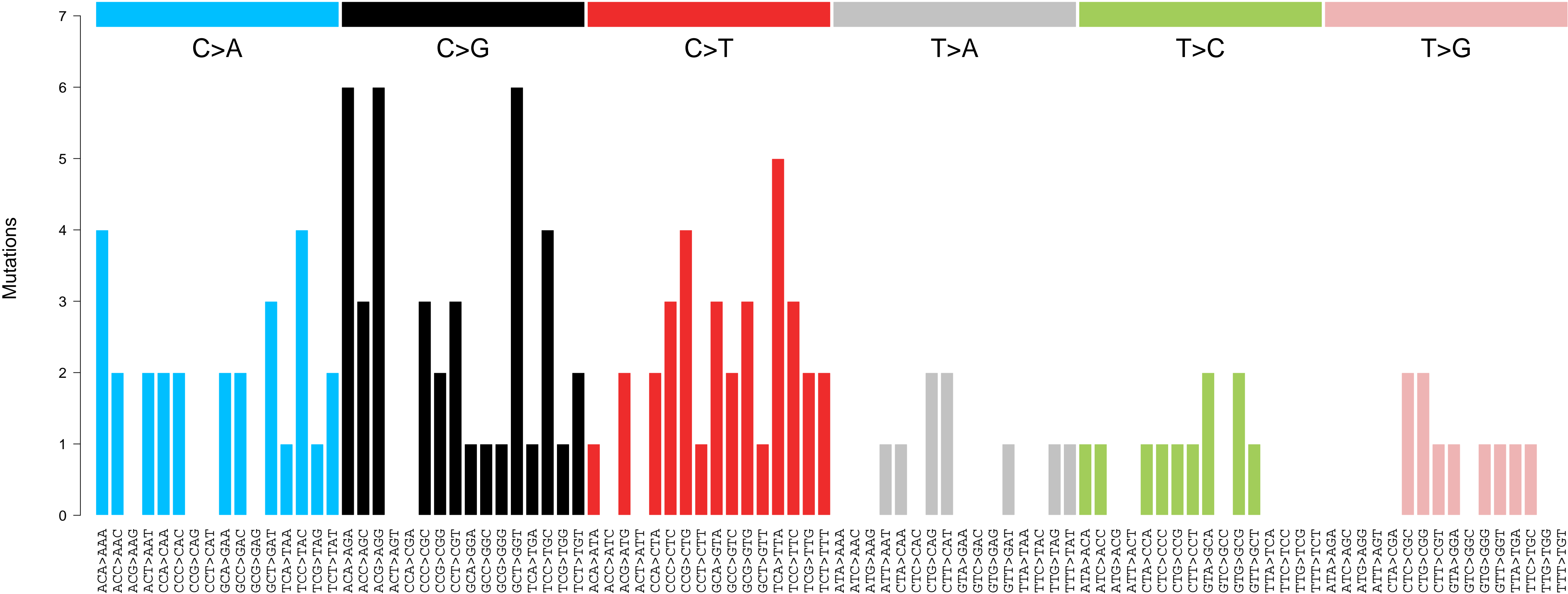
Mutational spectrum #118
(108 mutations)



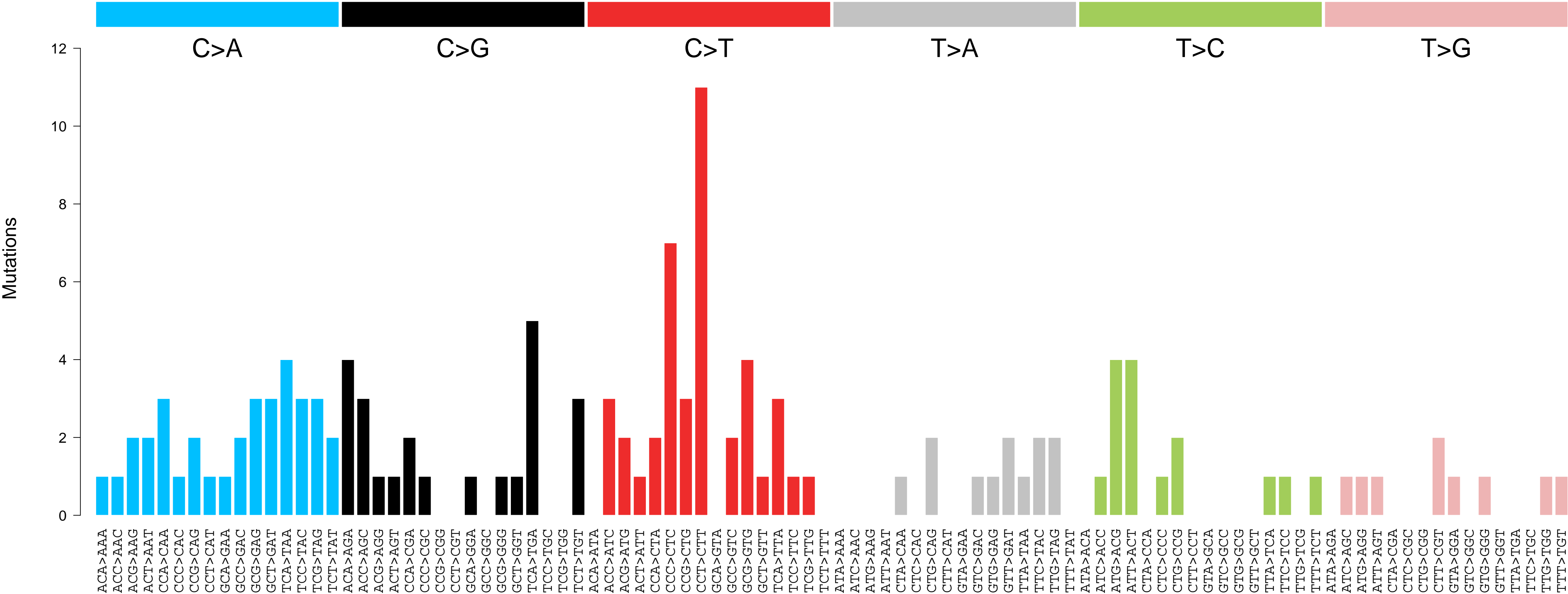
Mutational spectrum #119
(32 mutations)



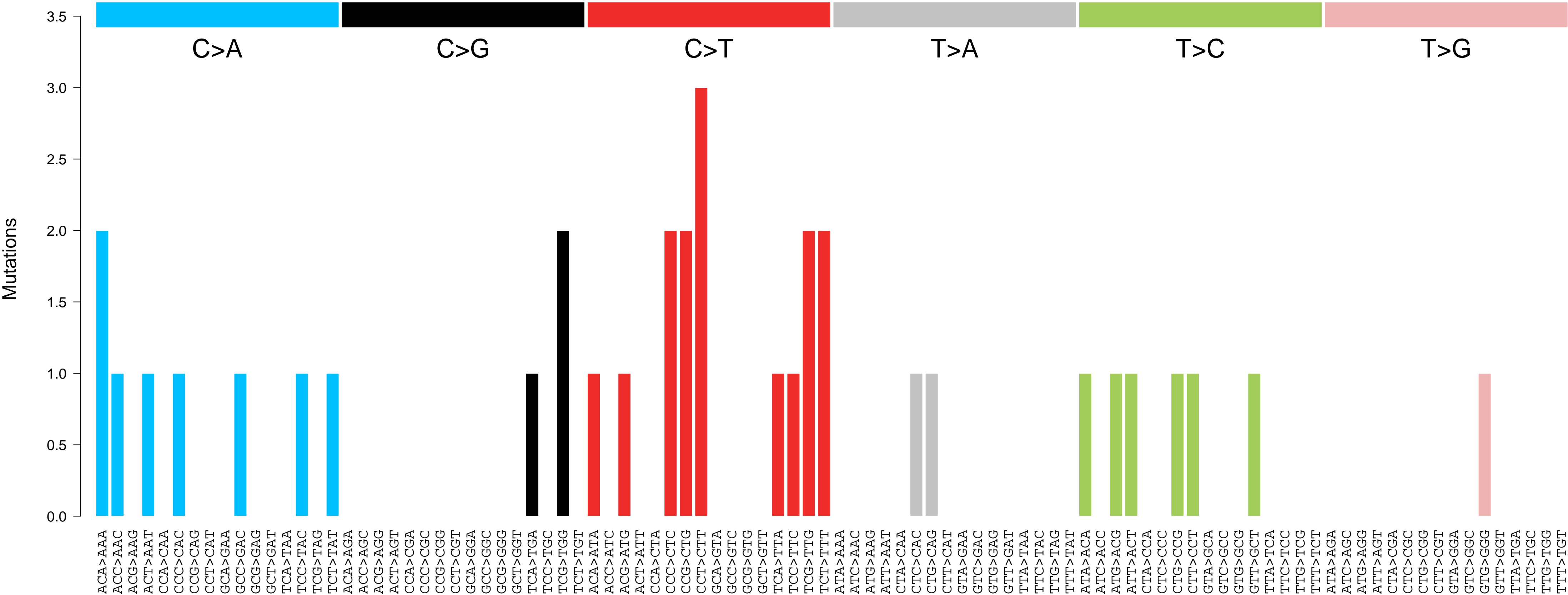
Mutational spectrum #120
(131 mutations)



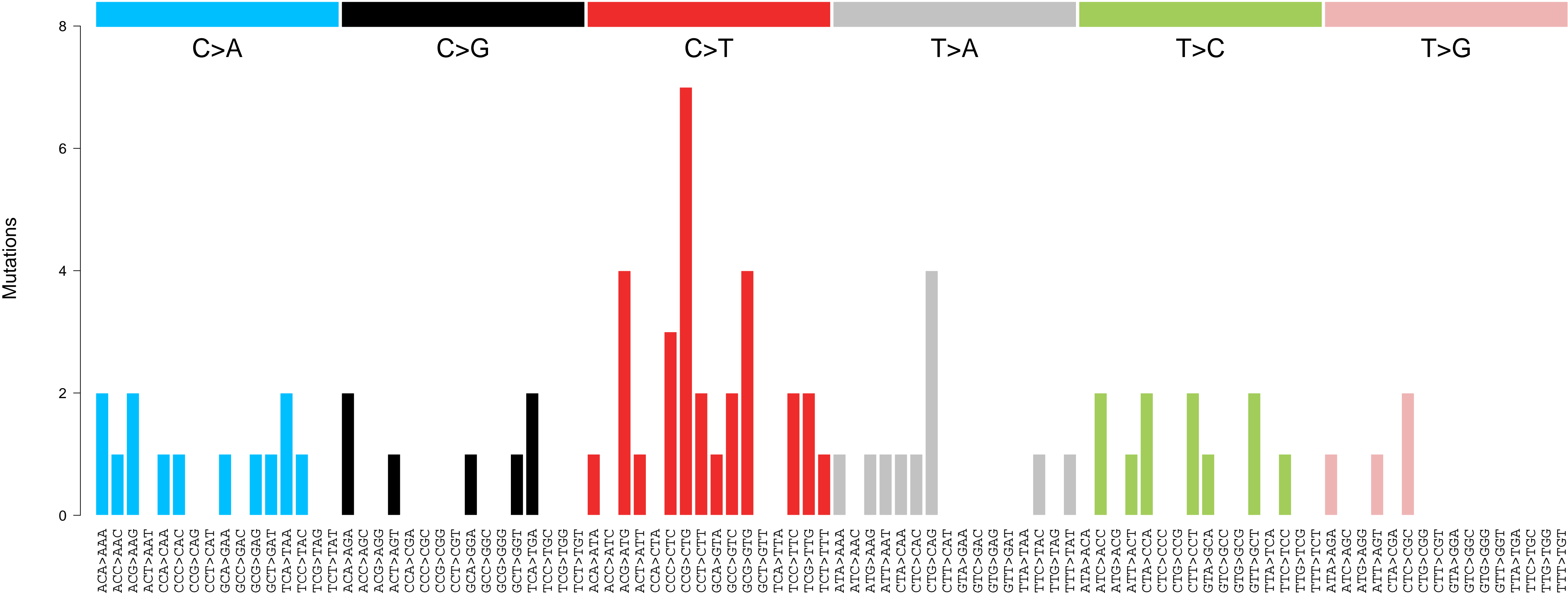
Mutational spectrum #121
(134 mutations)



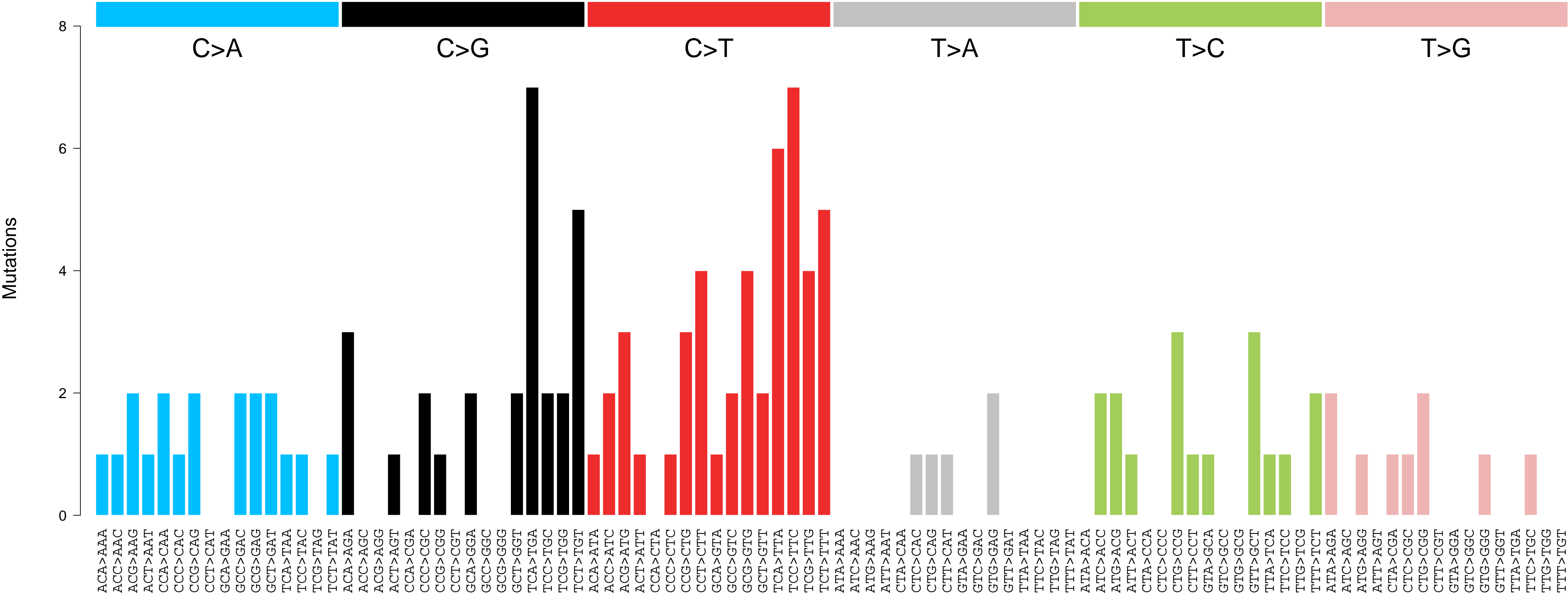
Mutational spectrum #122
(35 mutations)



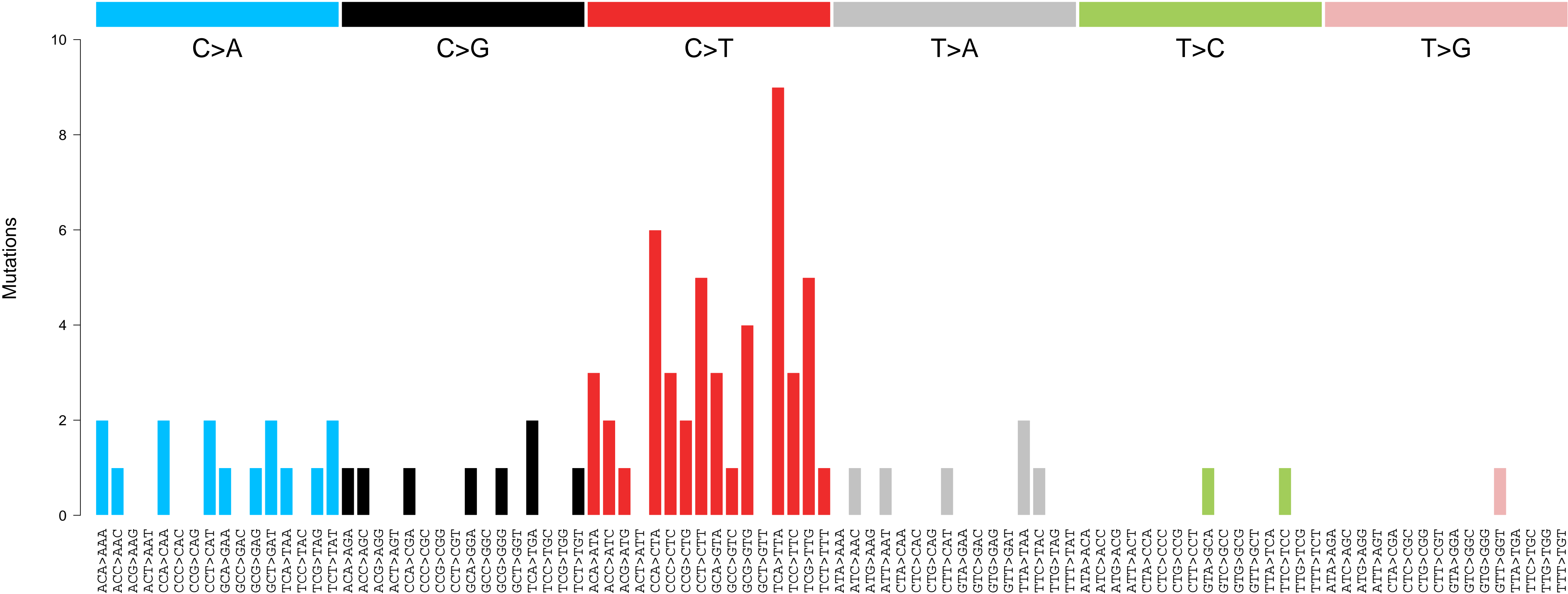
Mutational spectrum #123
(76 mutations)



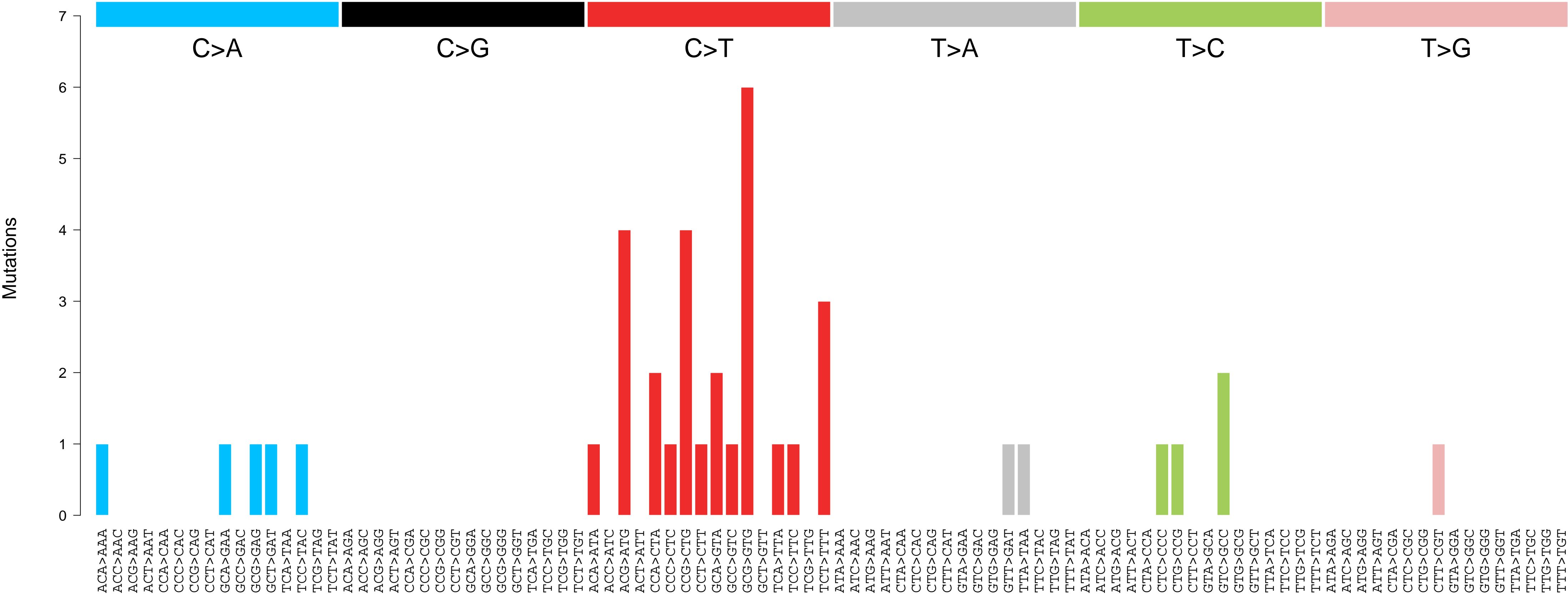
Mutational spectrum #124
(123 mutations)



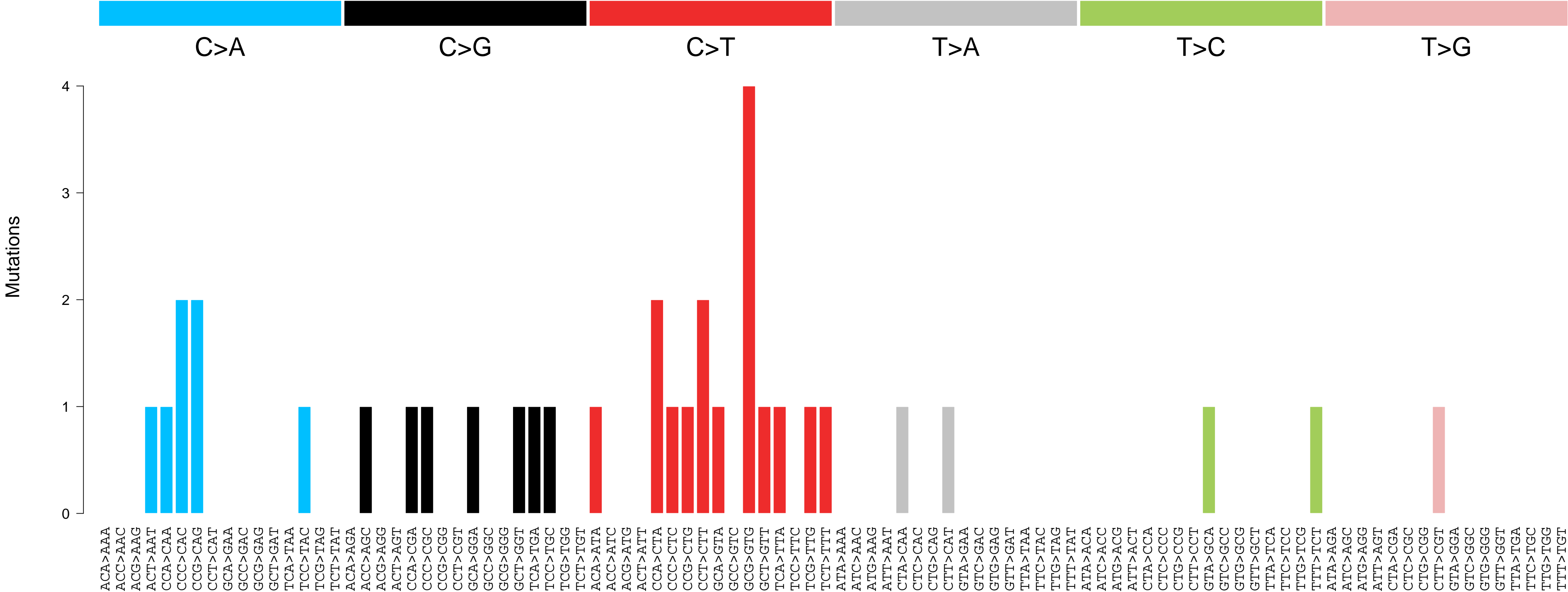
Mutational spectrum #125
(80 mutations)



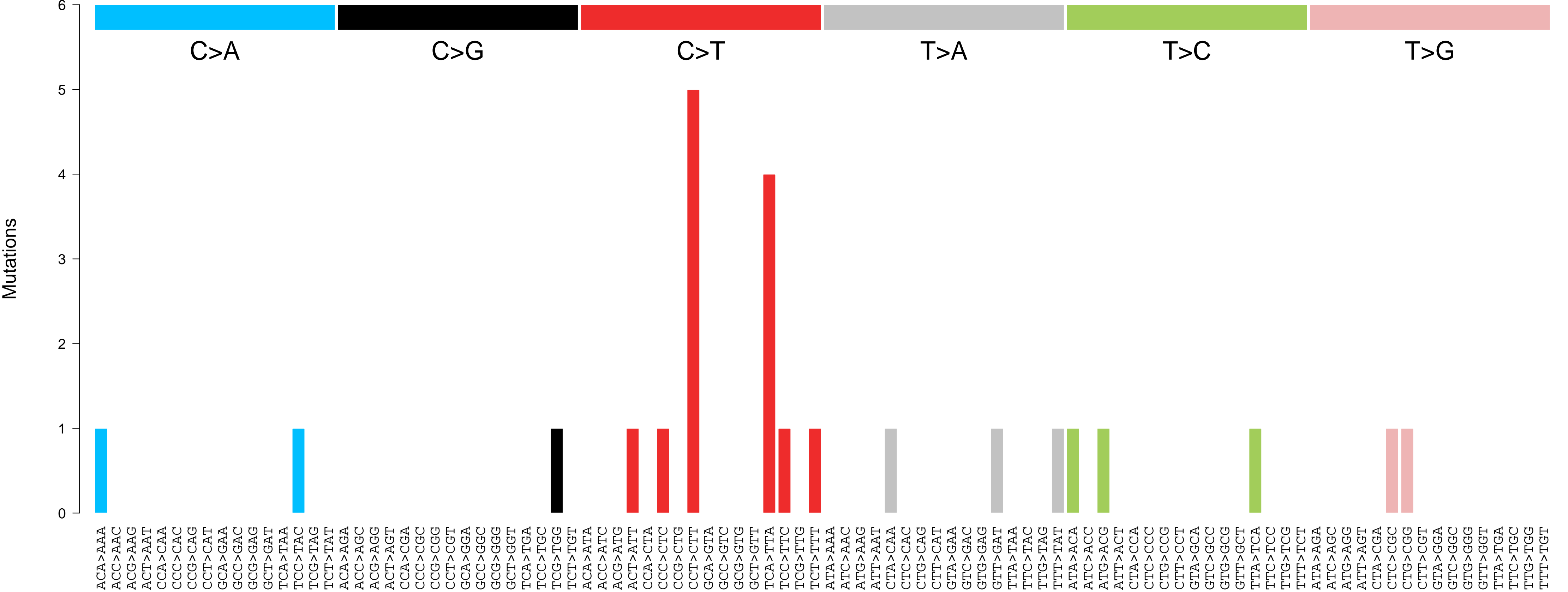
Mutational spectrum #126
(39 mutations)



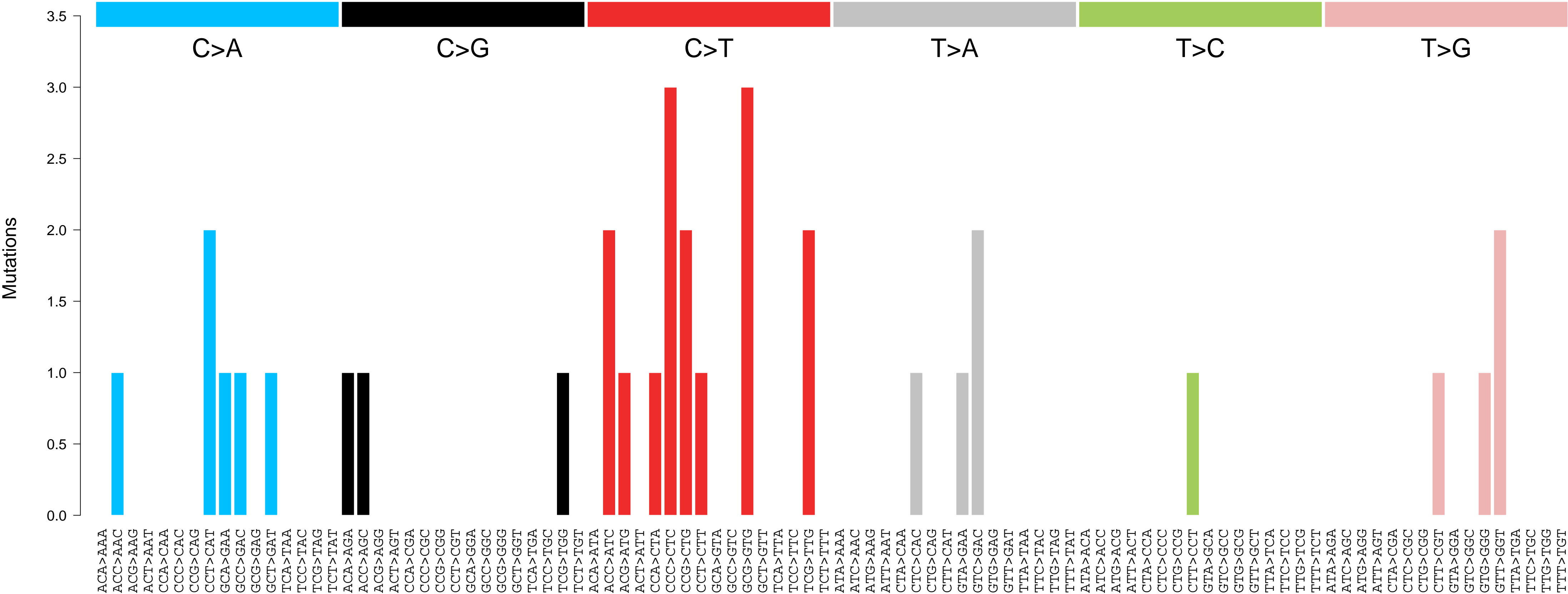
Mutational spectrum #127
(35 mutations)



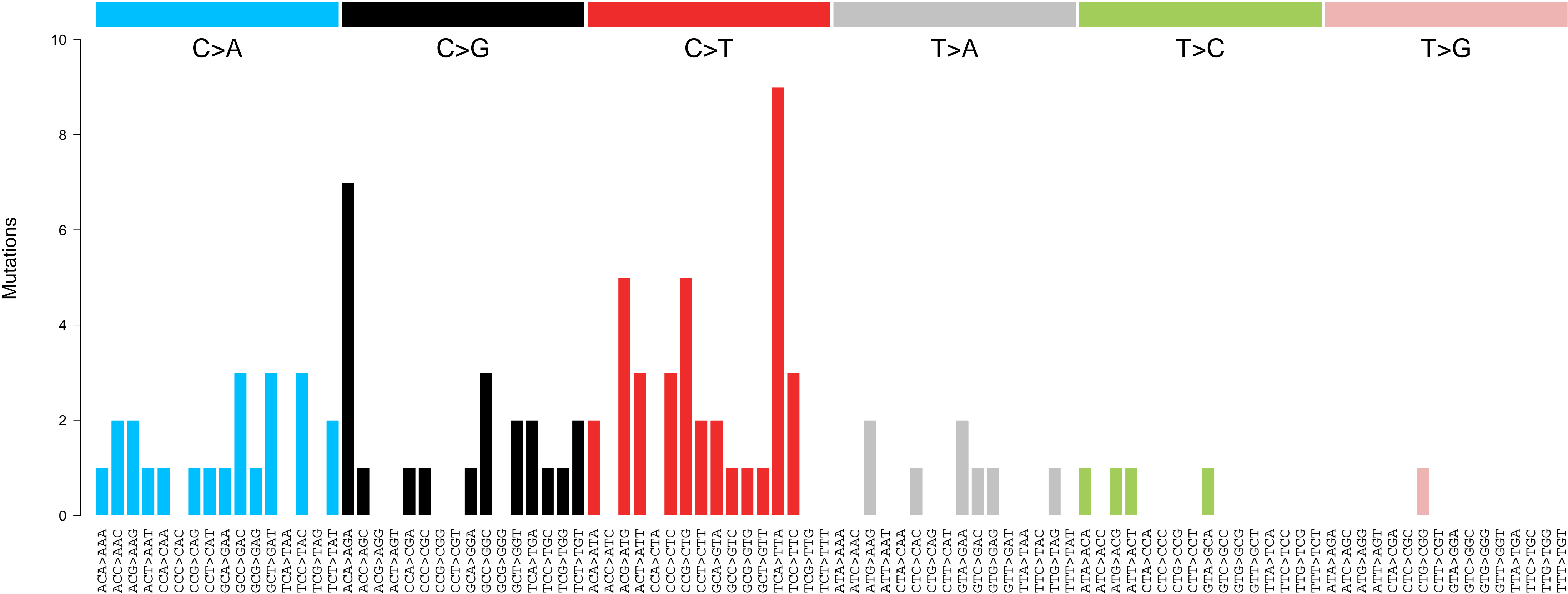
Mutational spectrum #128
(24 mutations)



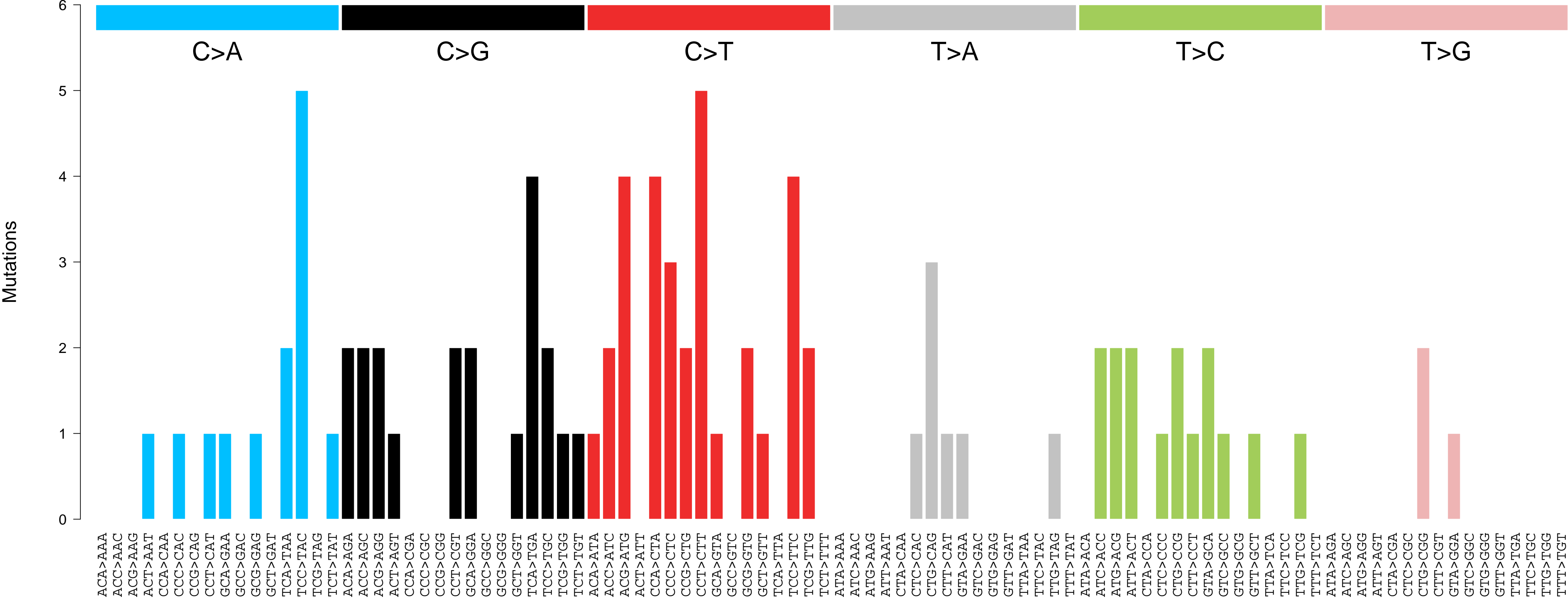
Mutational spectrum #129
(33 mutations)



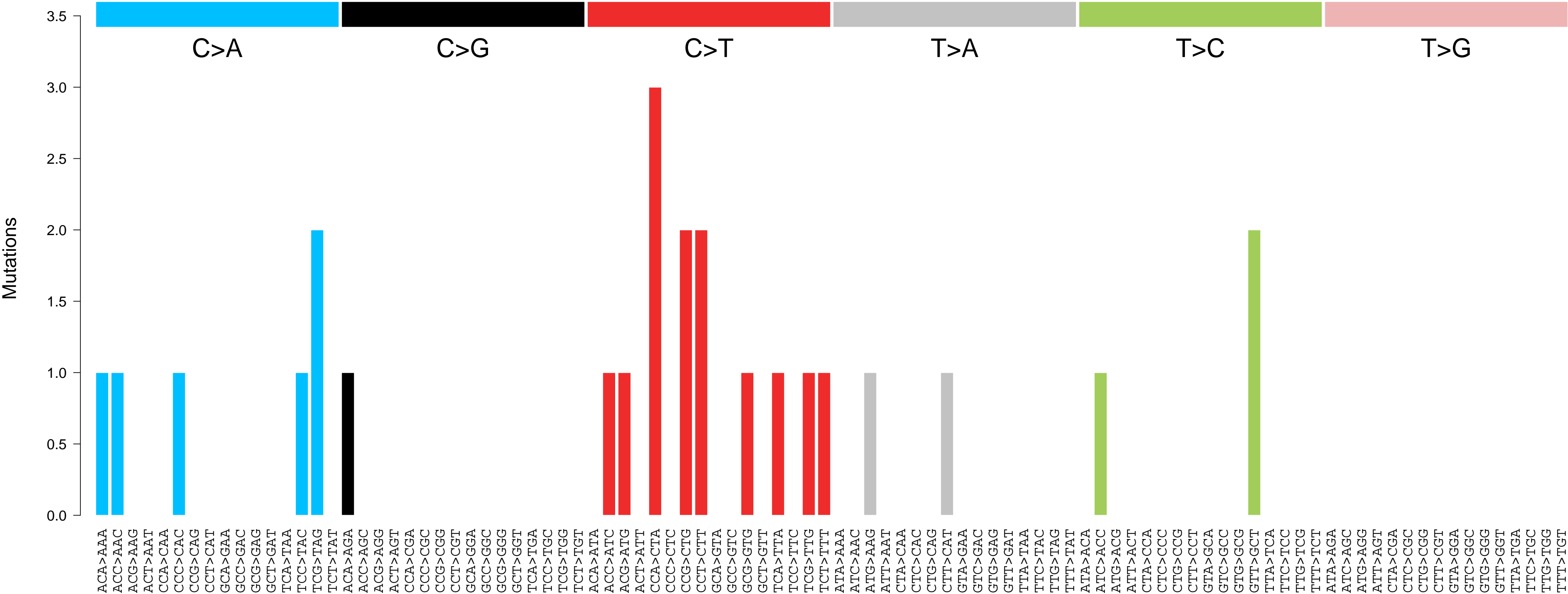
Mutational spectrum #130
(94 mutations)



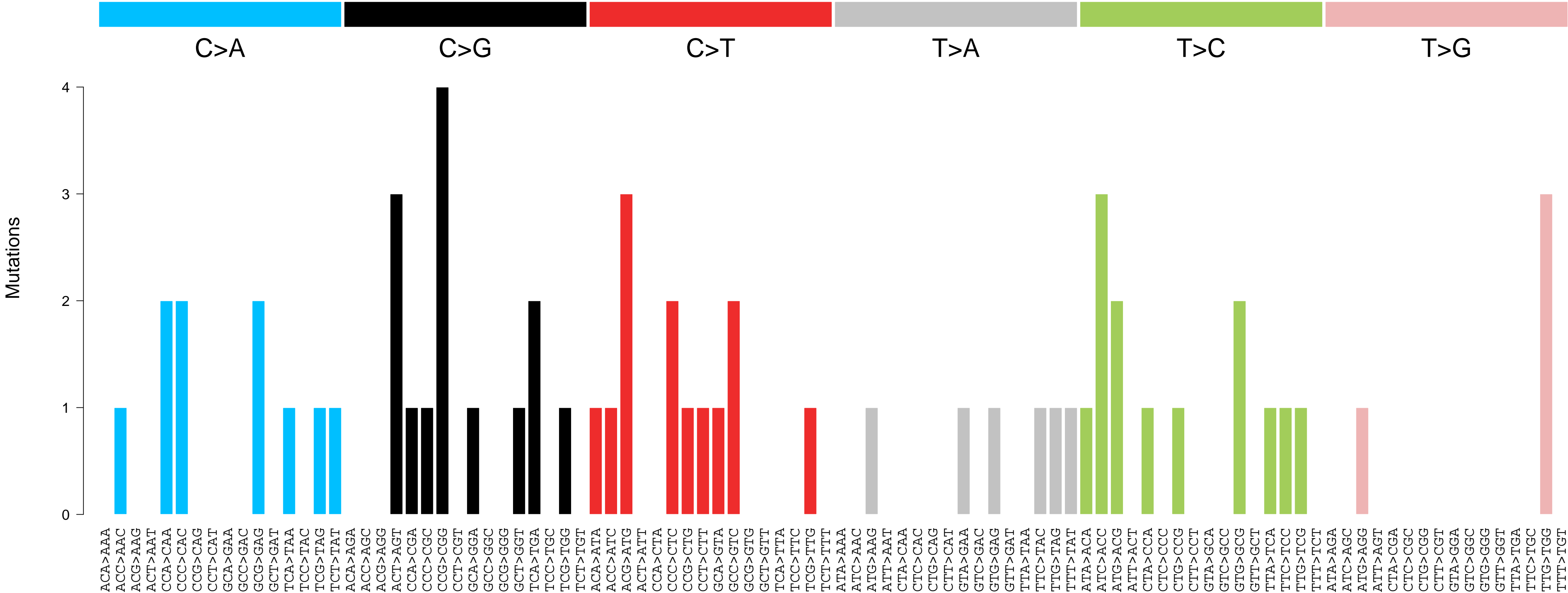
Mutational spectrum #131
(89 mutations)



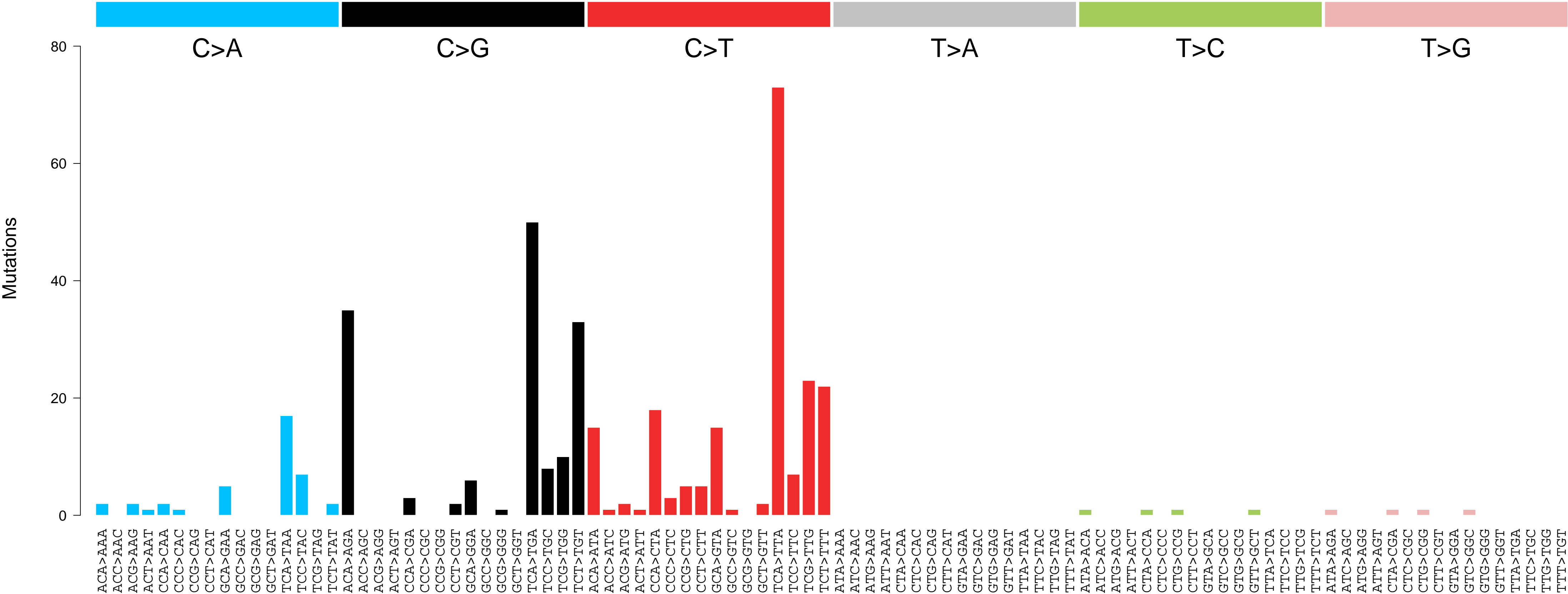
Mutational spectrum #132
(25 mutations)



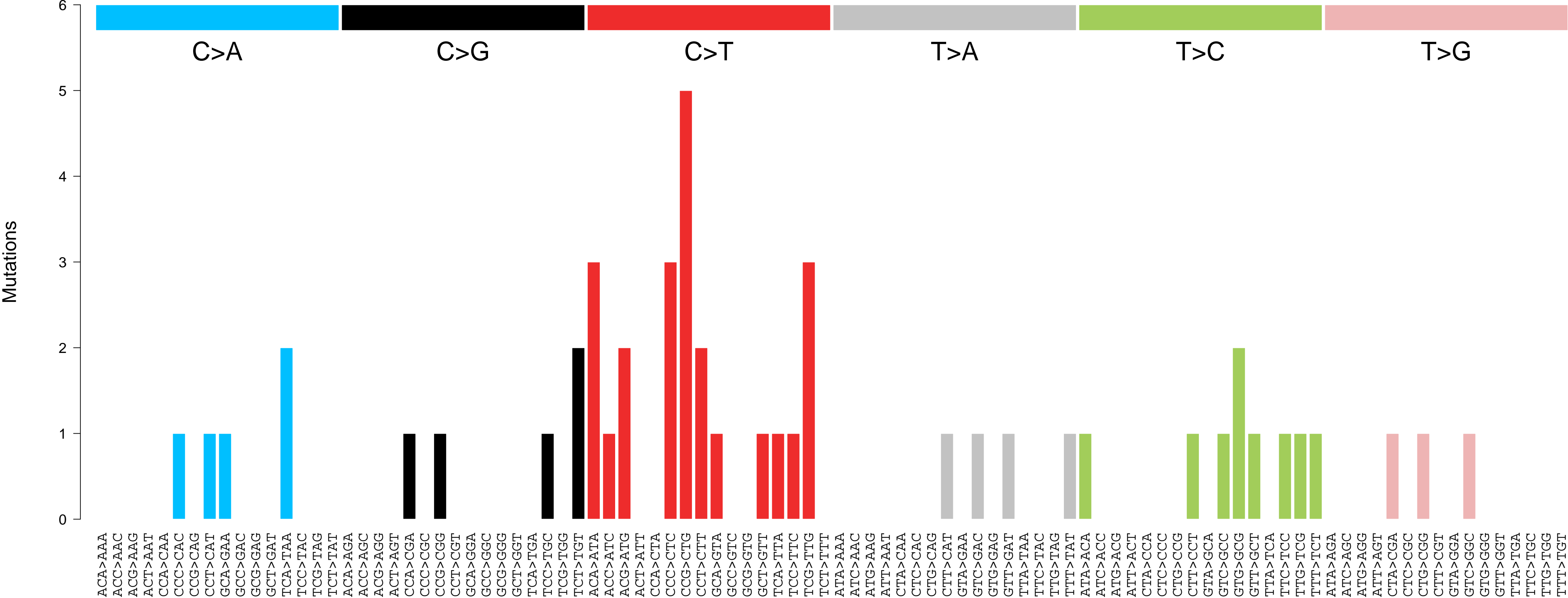
Mutational spectrum #133
(60 mutations)



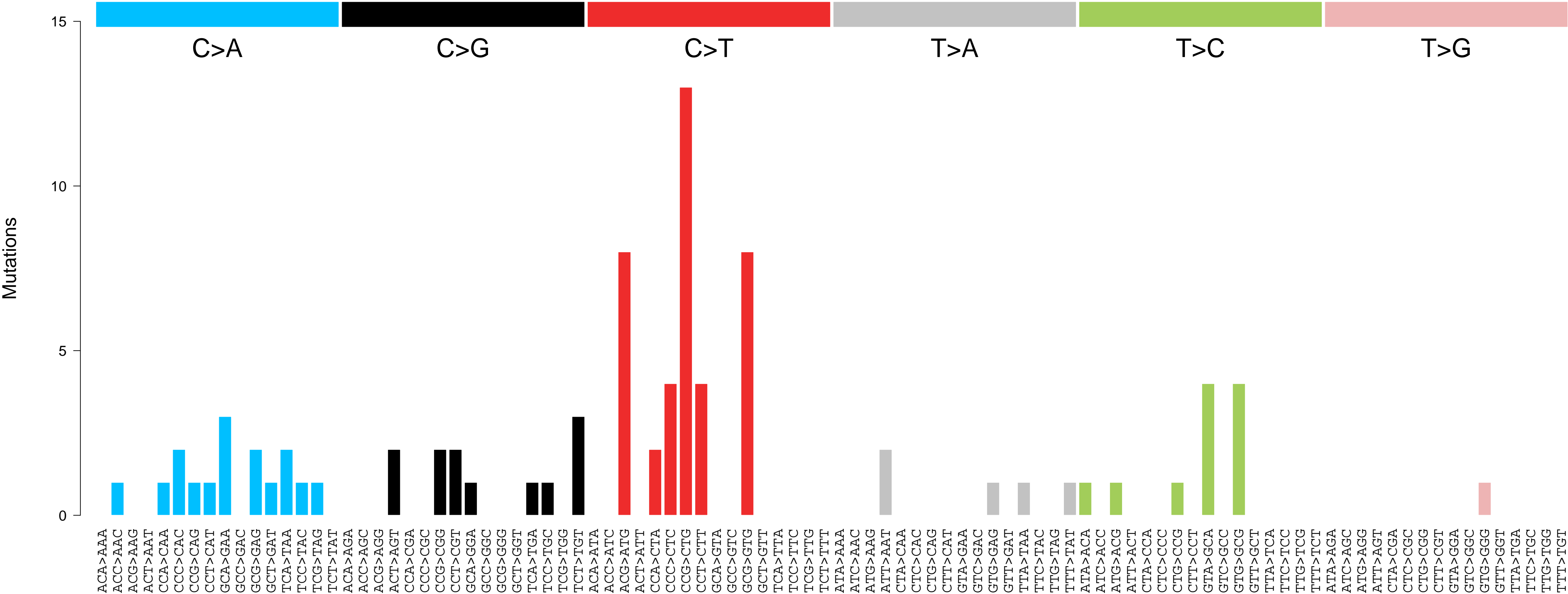
Mutational spectrum #134
(388 mutations)



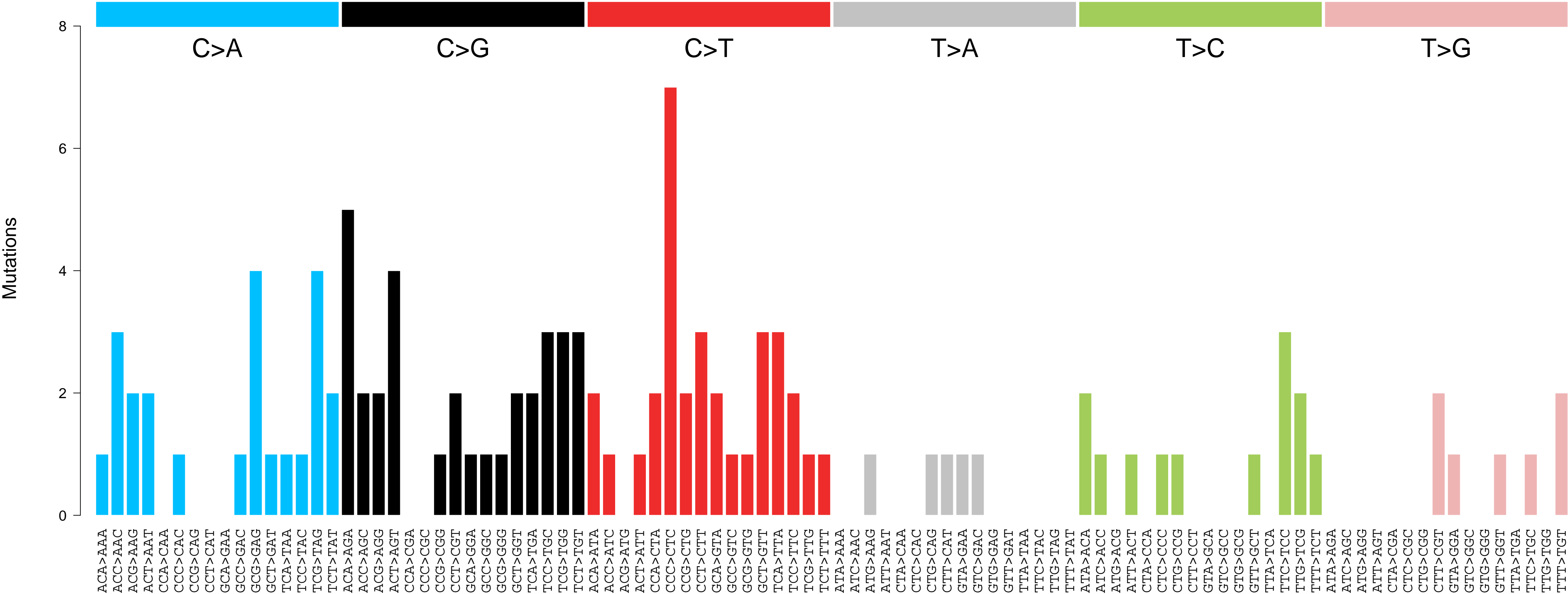
Mutational spectrum #135
(49 mutations)



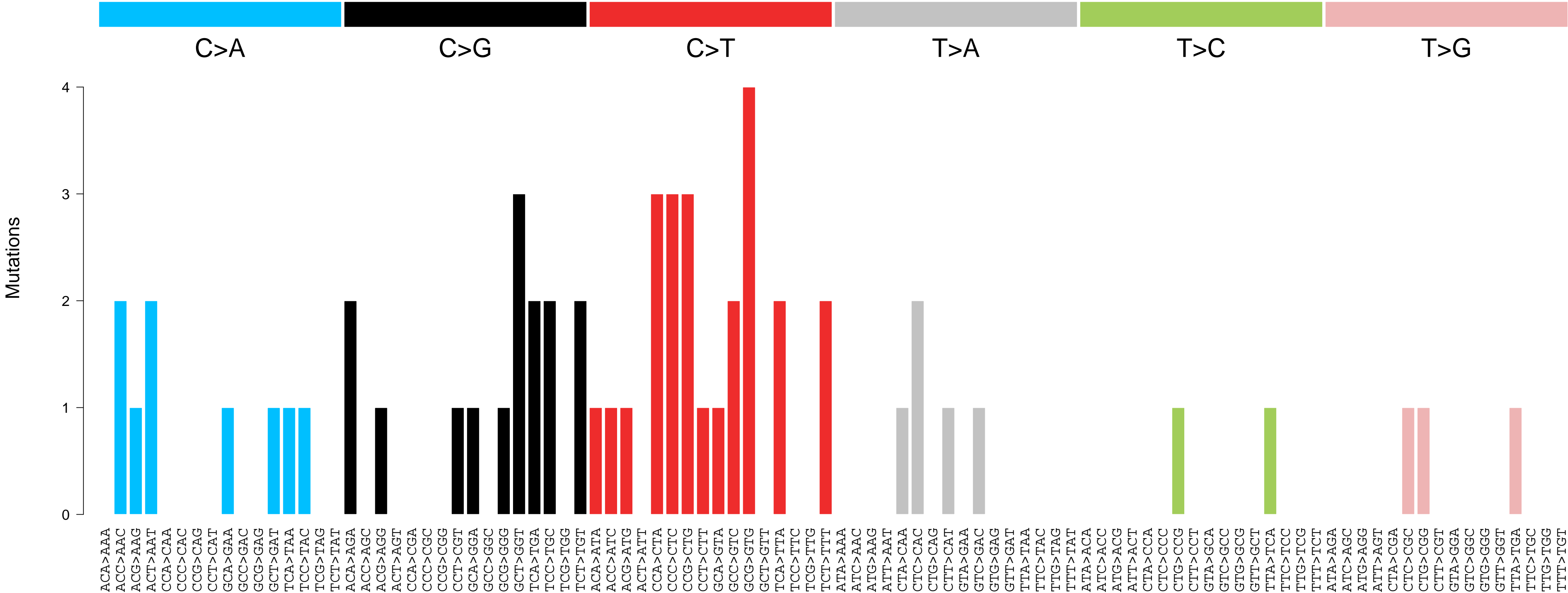
Mutational spectrum #136
(84 mutations)



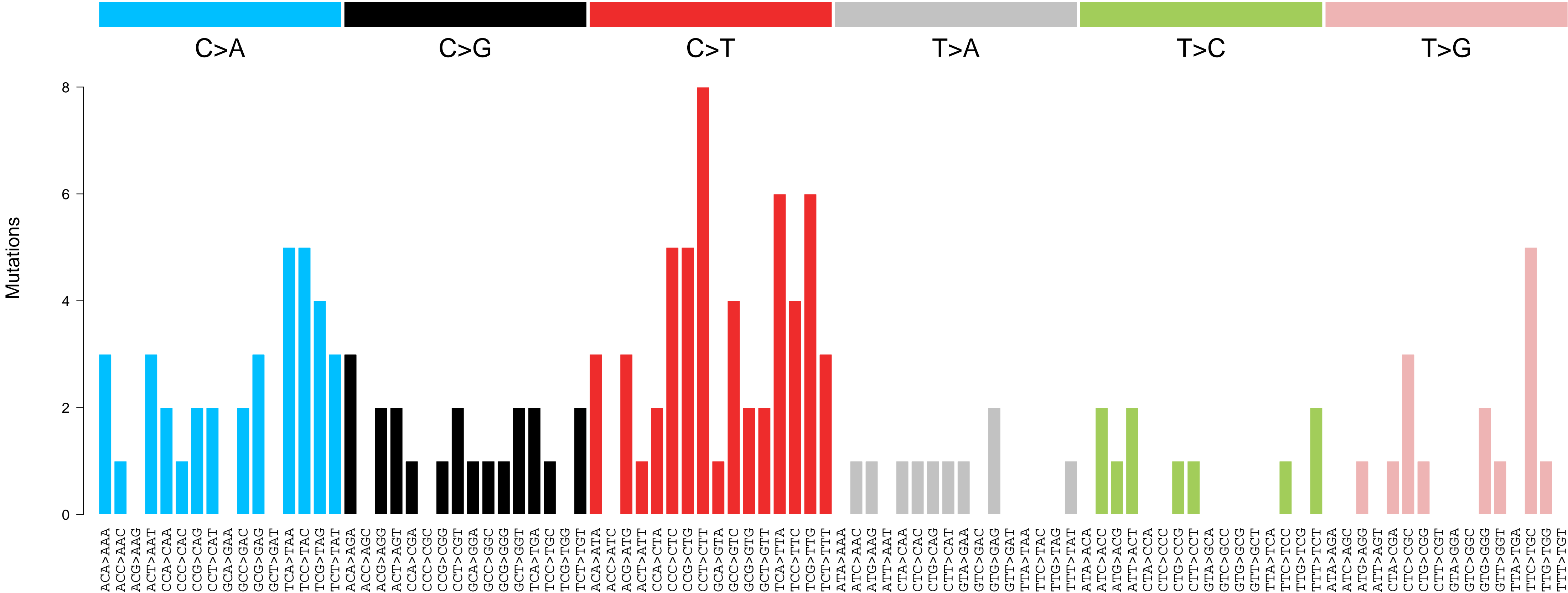
Mutational spectrum #137
(112 mutations)



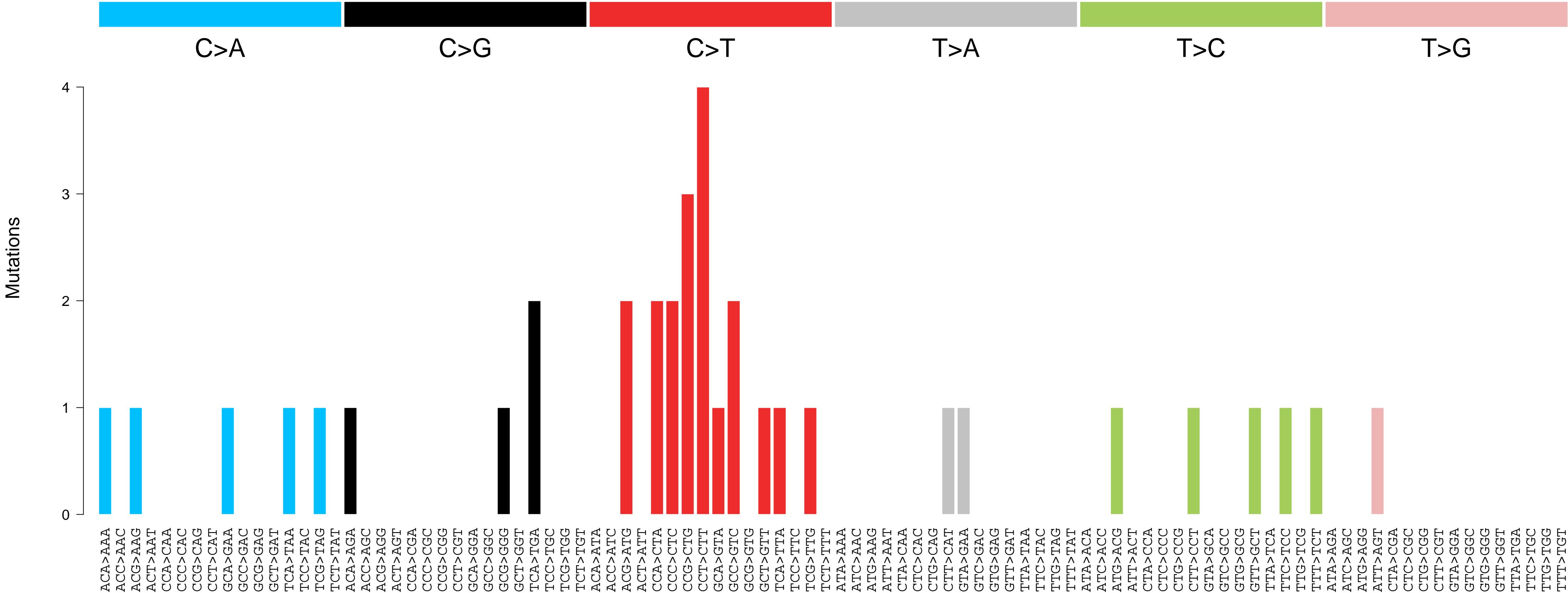
Mutational spectrum #138
(58 mutations)



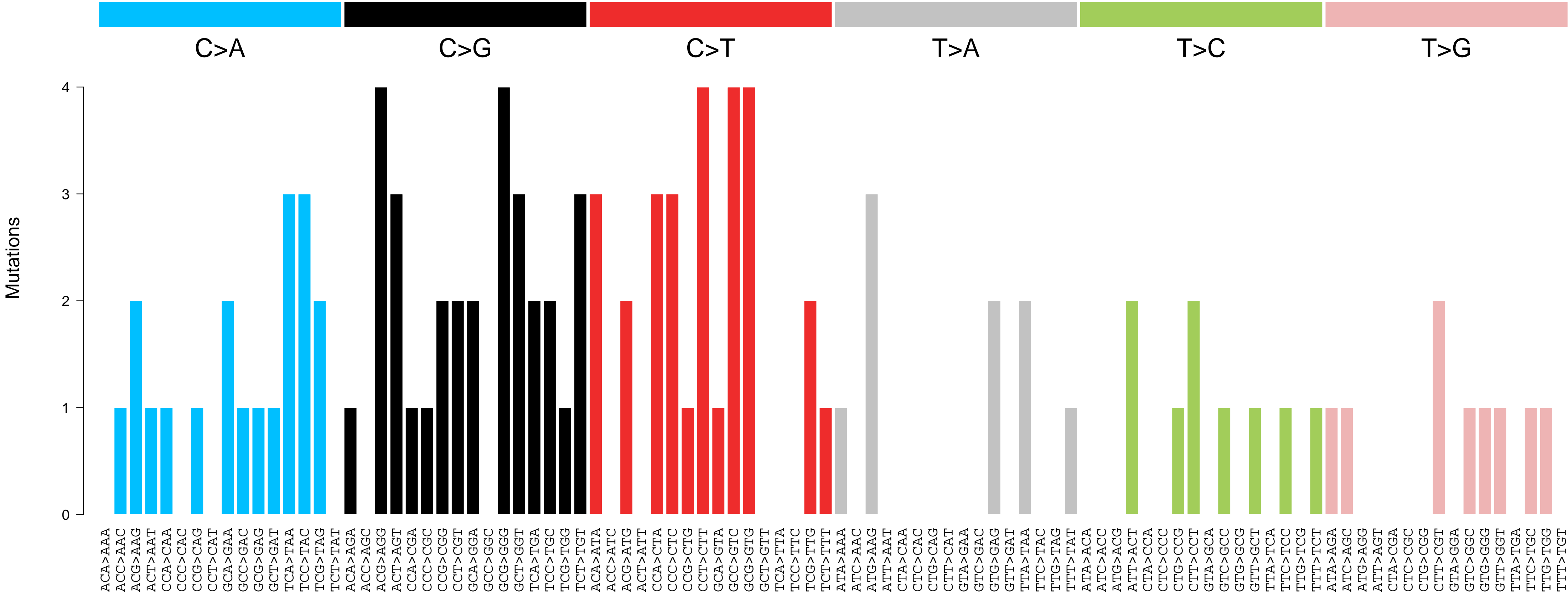
Mutational spectrum #139
(147 mutations)



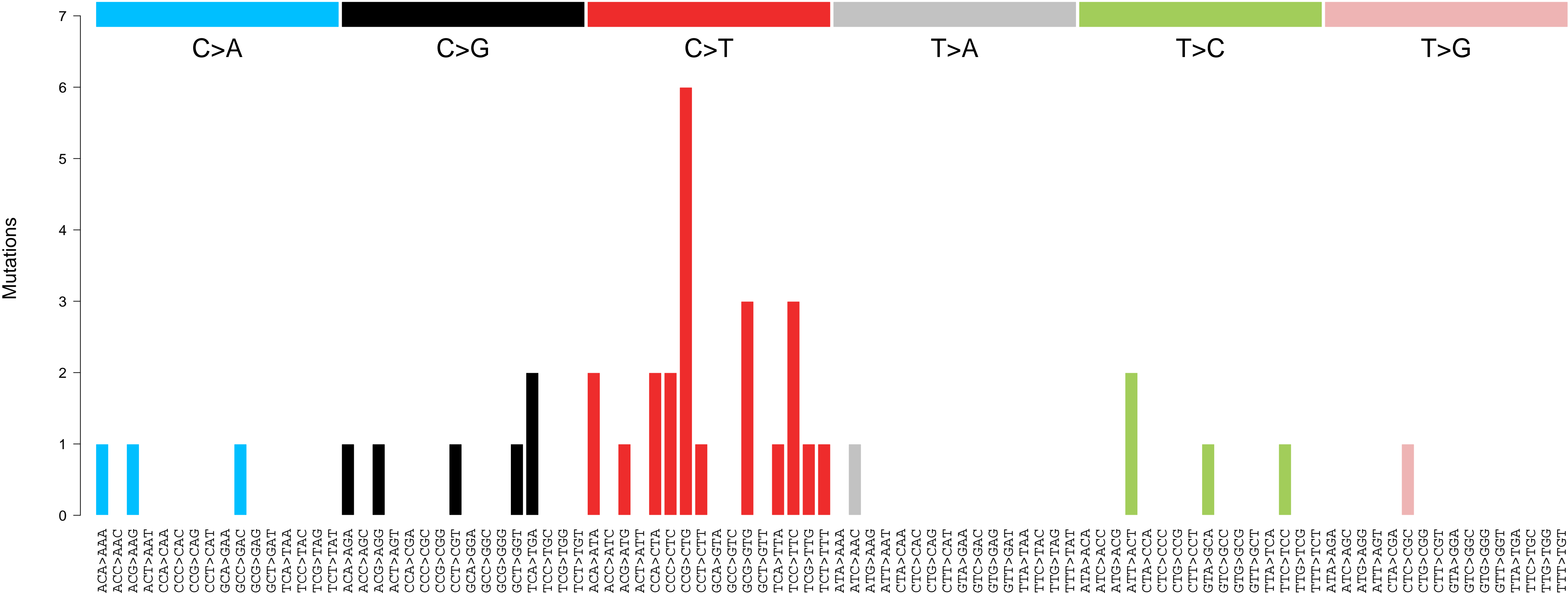
Mutational spectrum #140
(36 mutations)



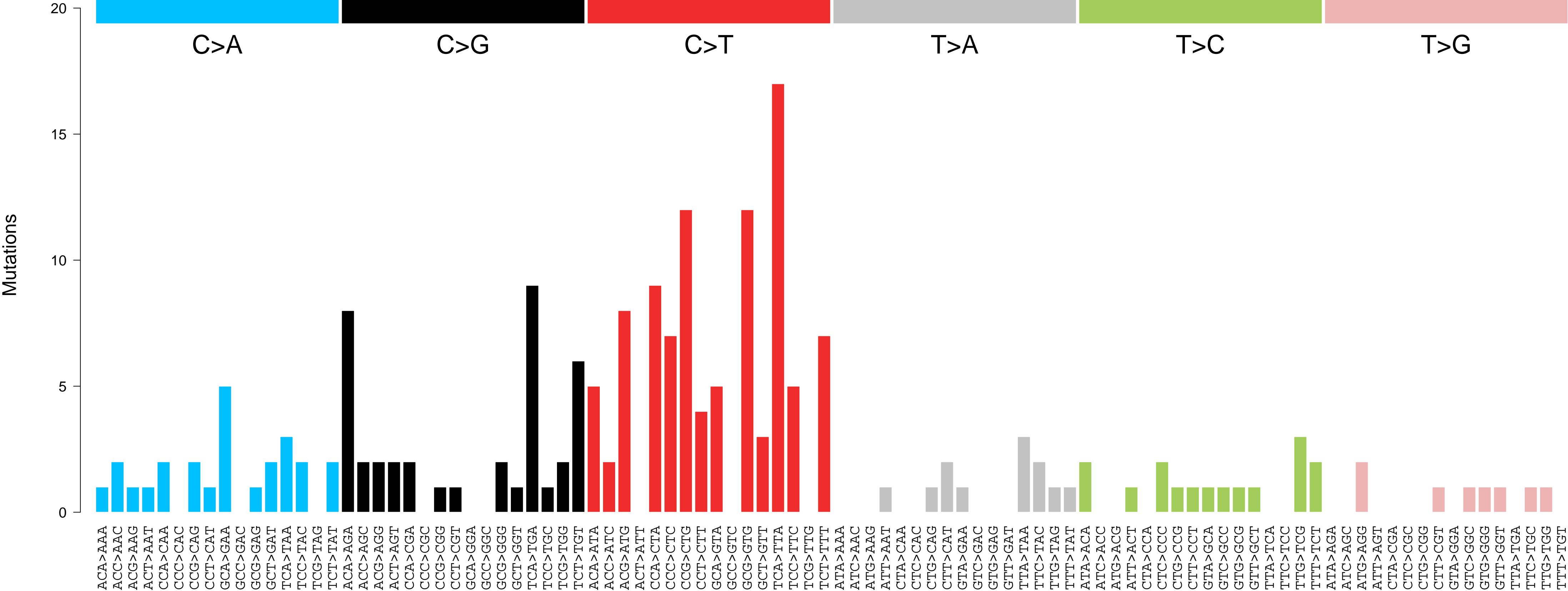
Mutational spectrum #141
(105 mutations)



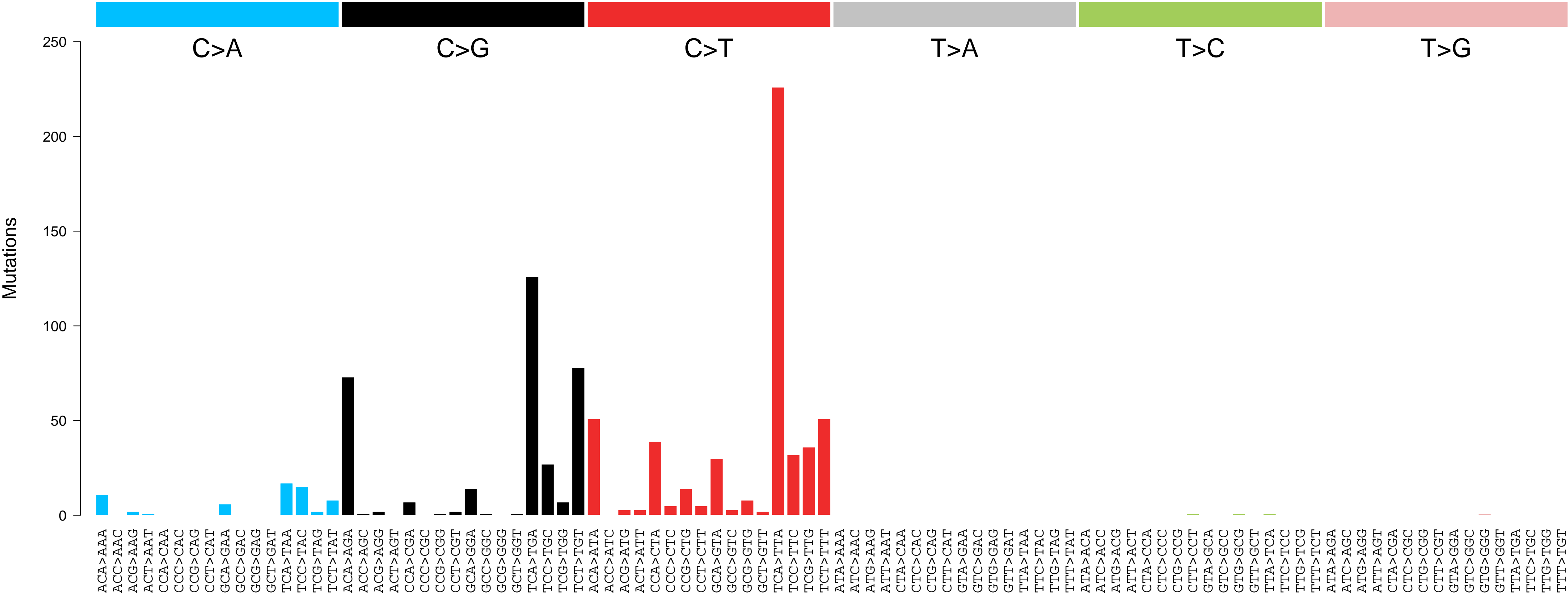
Mutational spectrum #142
(38 mutations)



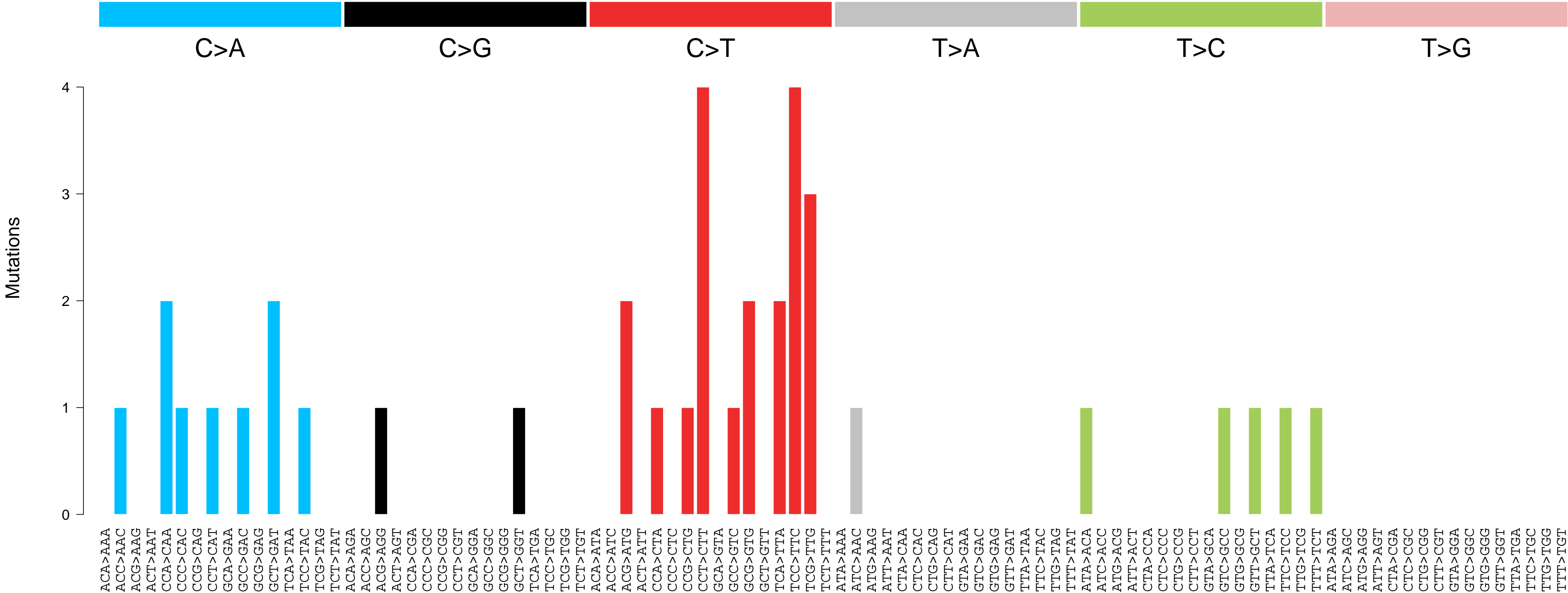
Mutational spectrum #143
(196 mutations)



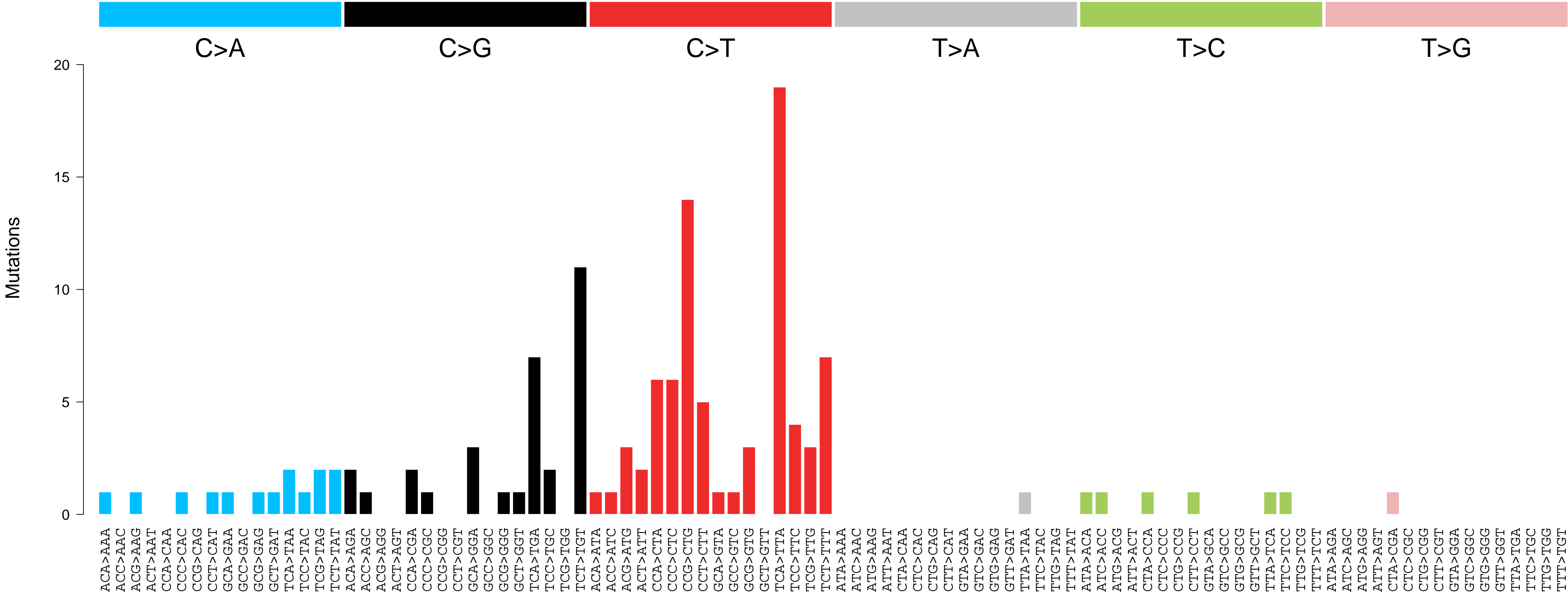
Mutational spectrum #144
(914 mutations)



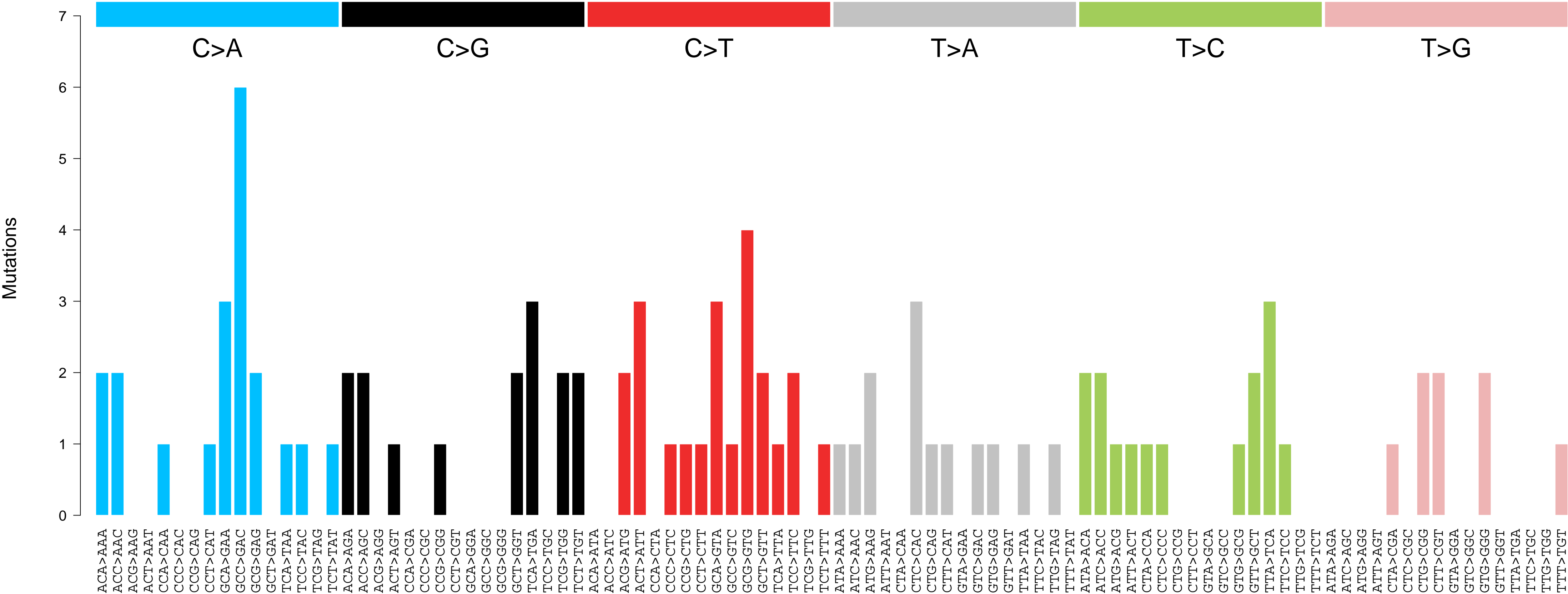
Mutational spectrum #145
(37 mutations)



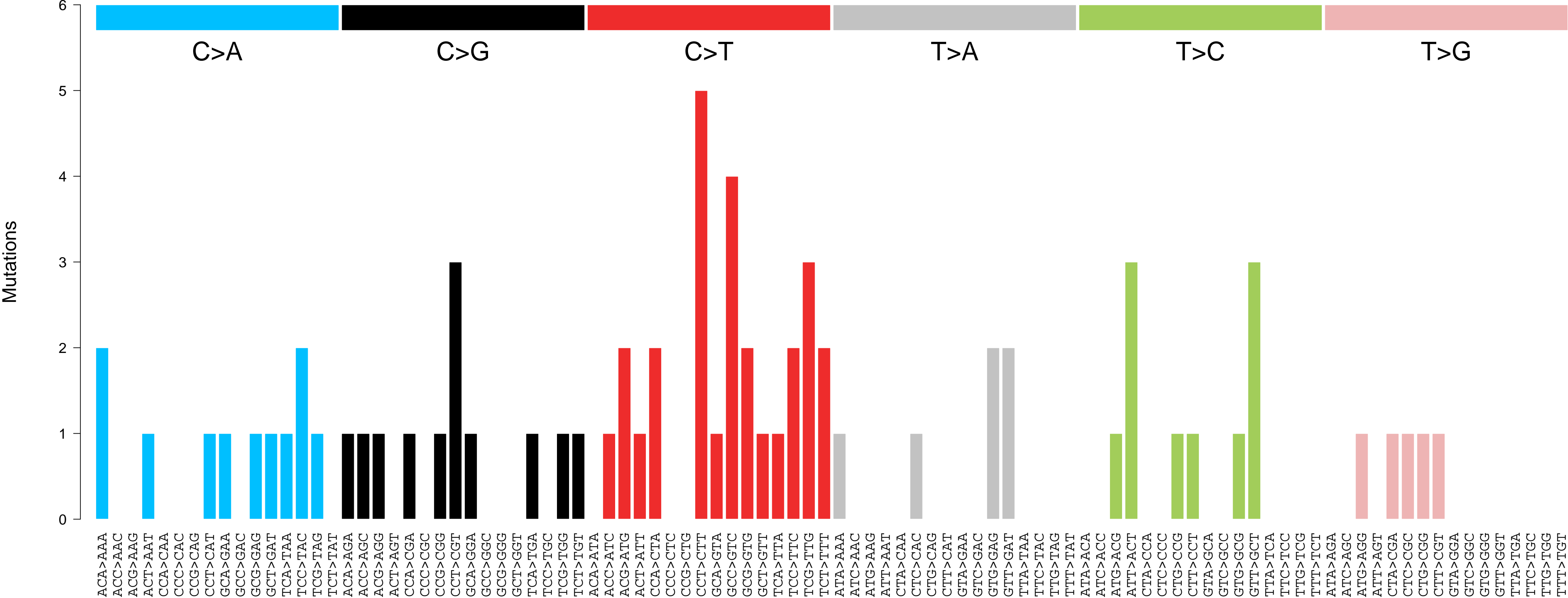
Mutational spectrum #146
(129 mutations)



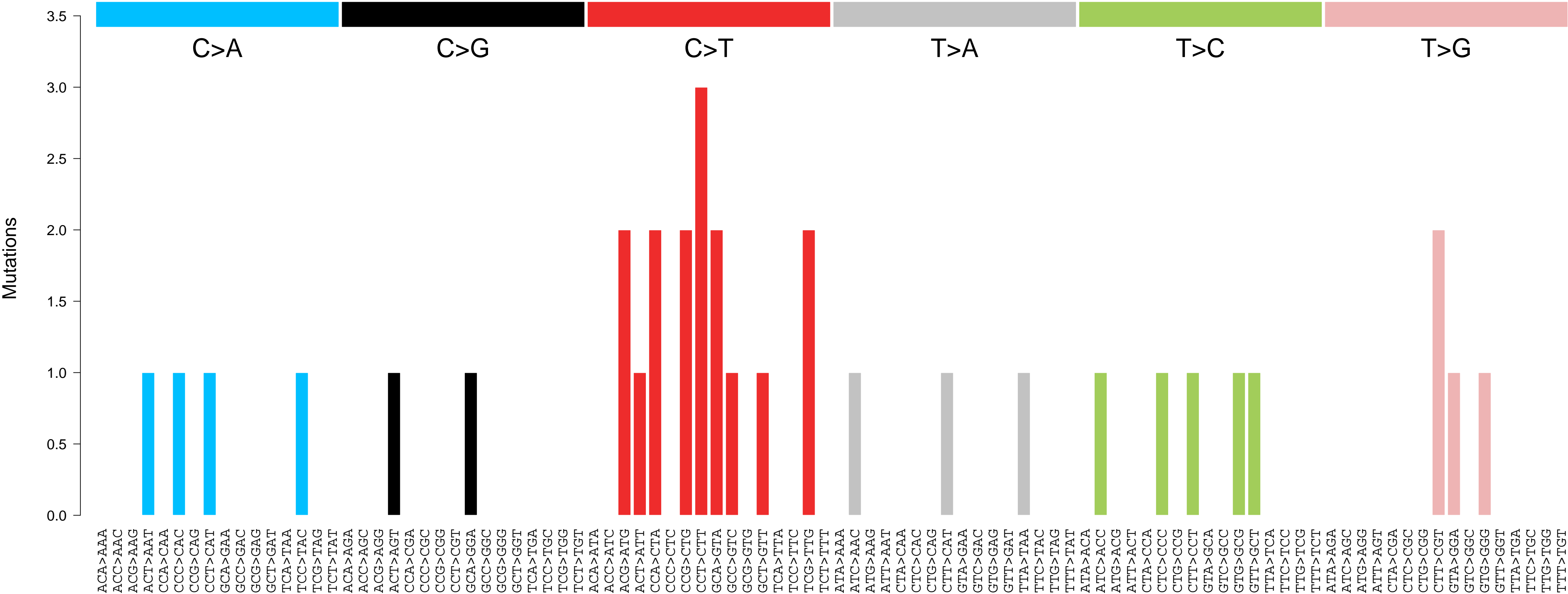
Mutational spectrum #147
(93 mutations)



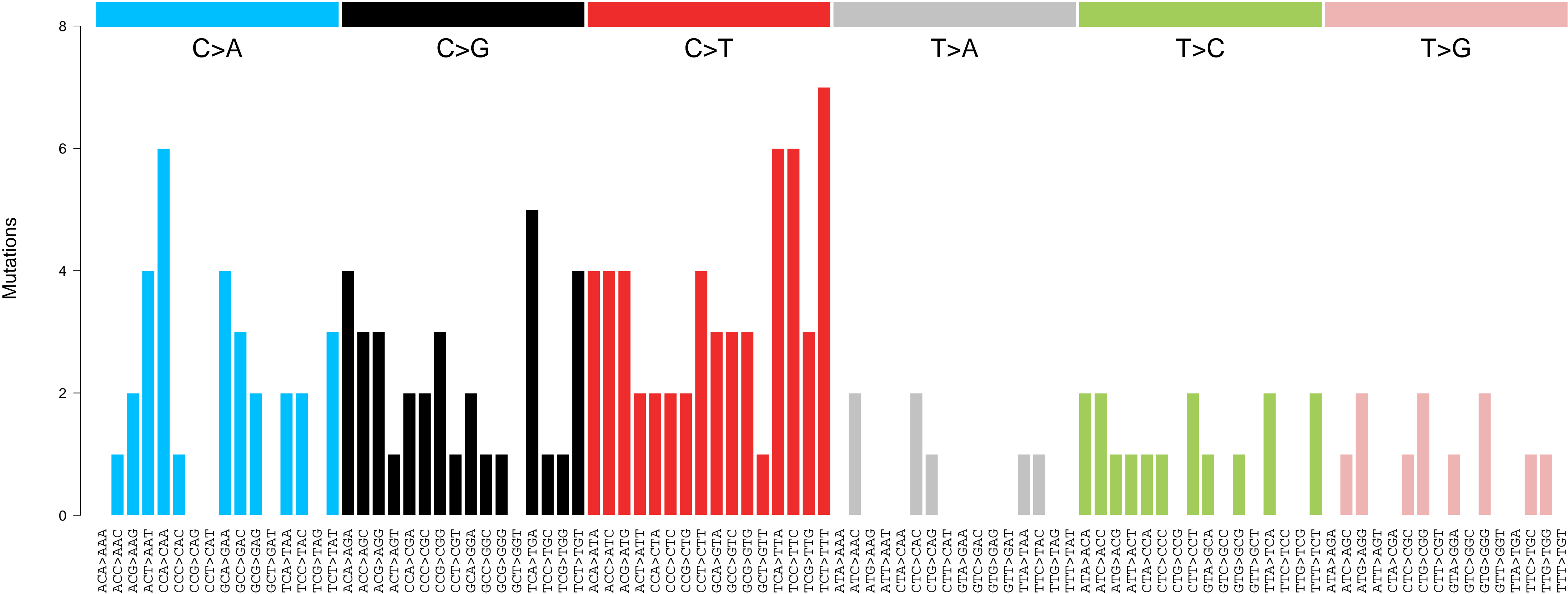
Mutational spectrum #148
(71 mutations)



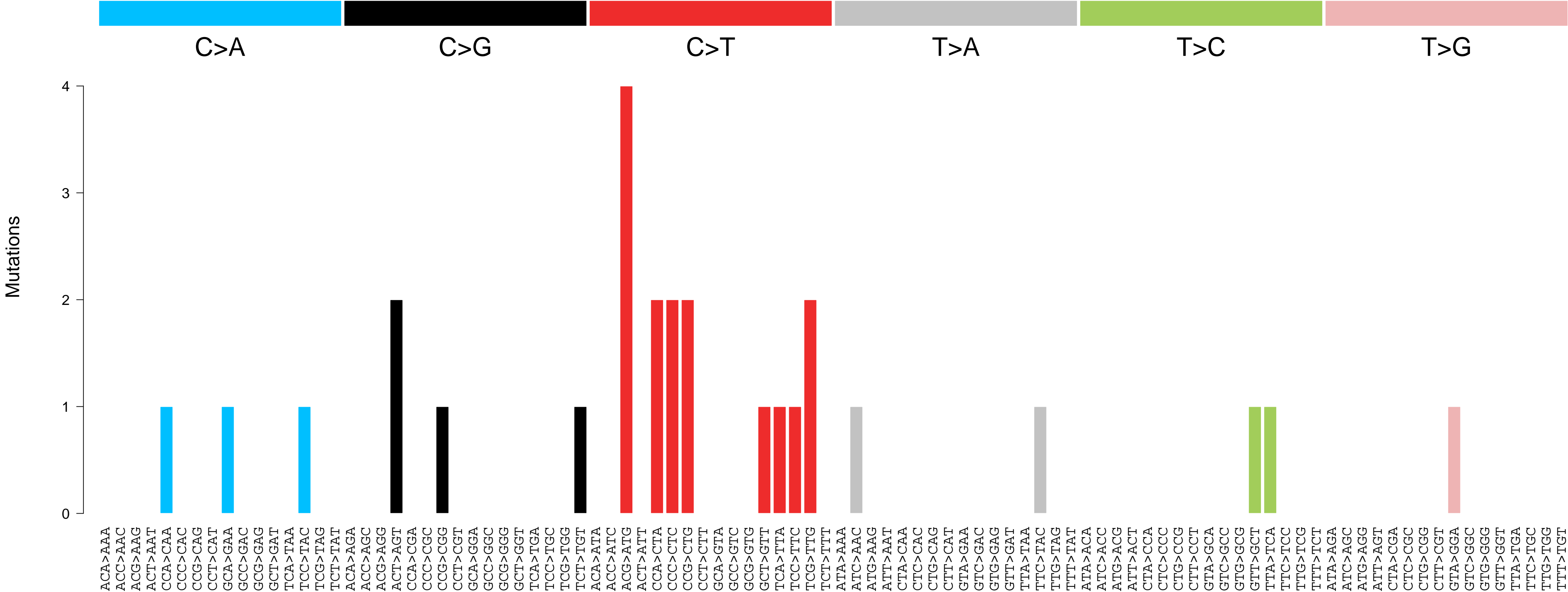
Mutational spectrum #149
(34 mutations)



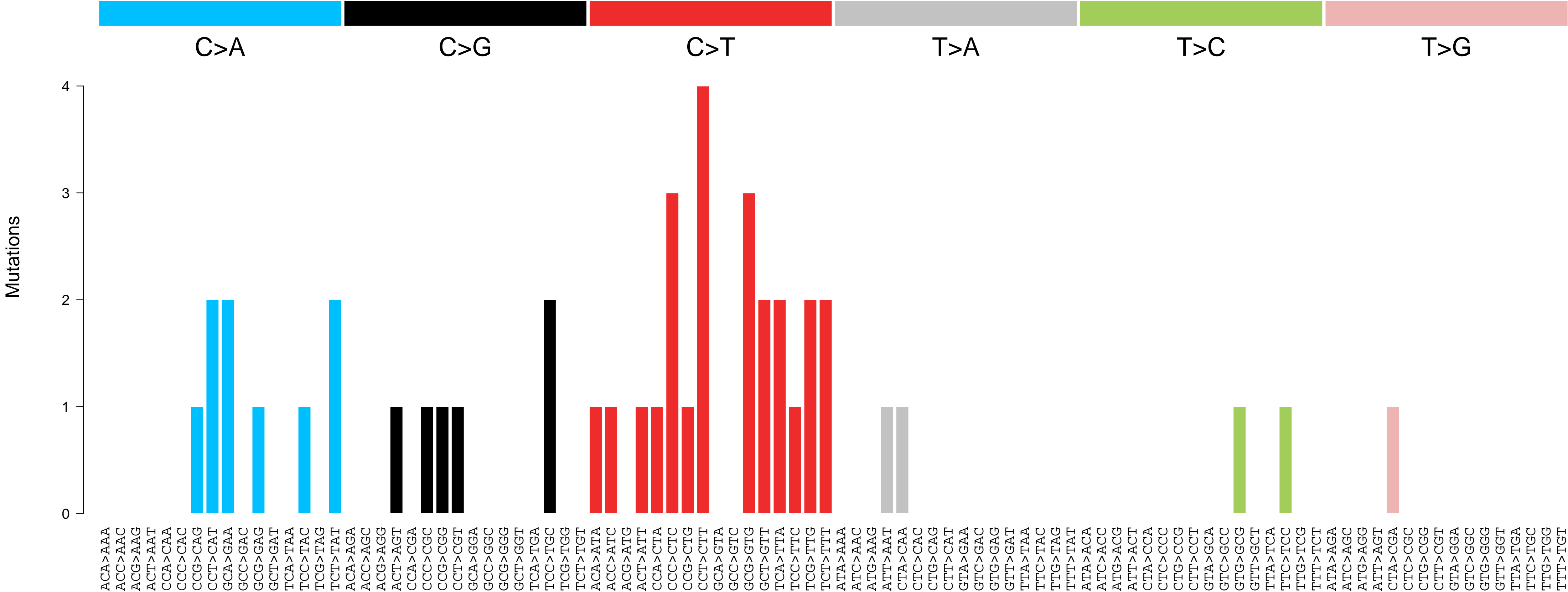
Mutational spectrum #150
(154 mutations)



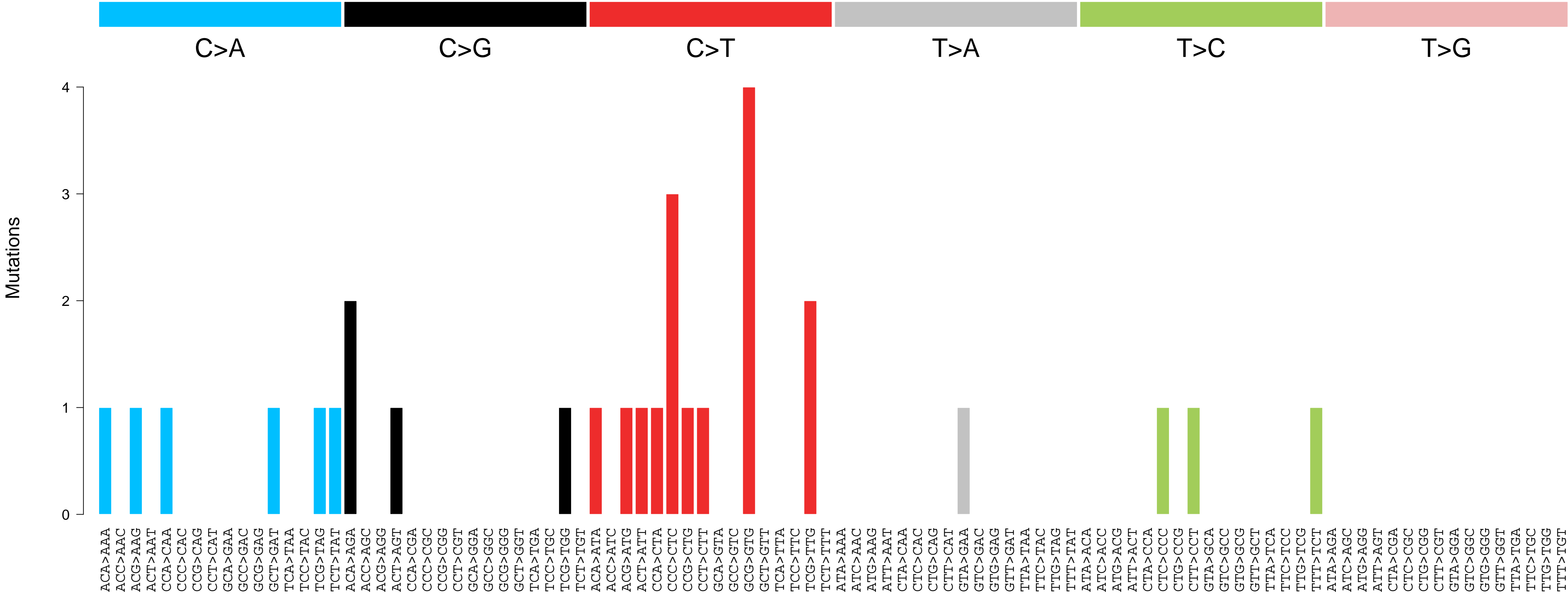
Mutational spectrum #151
(27 mutations)



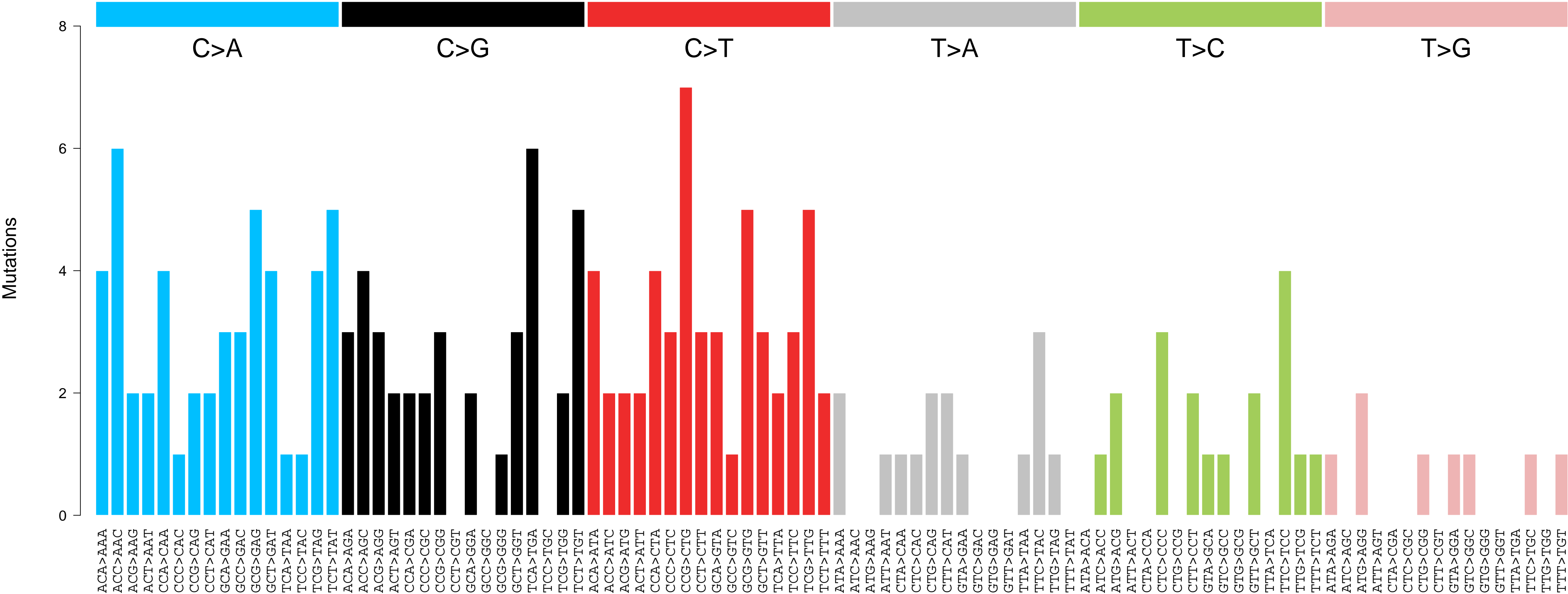
Mutational spectrum #152
(44 mutations)



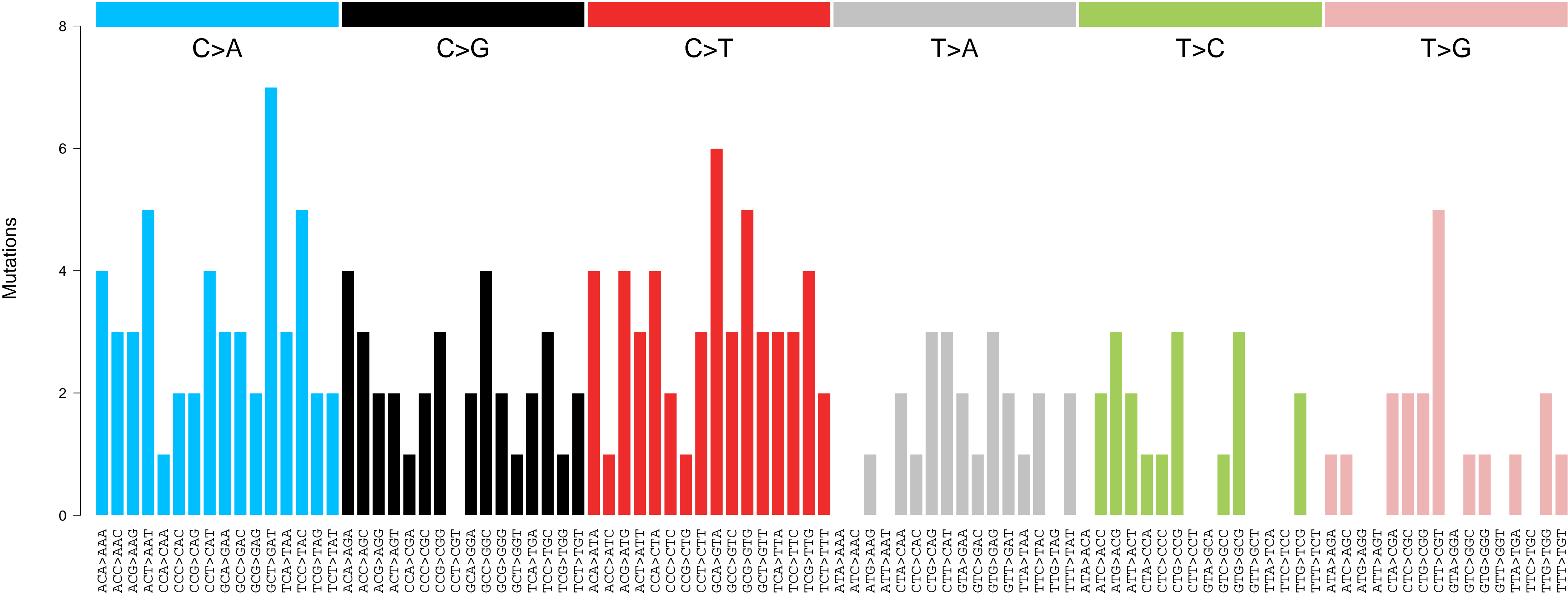
Mutational spectrum #153
(29 mutations)



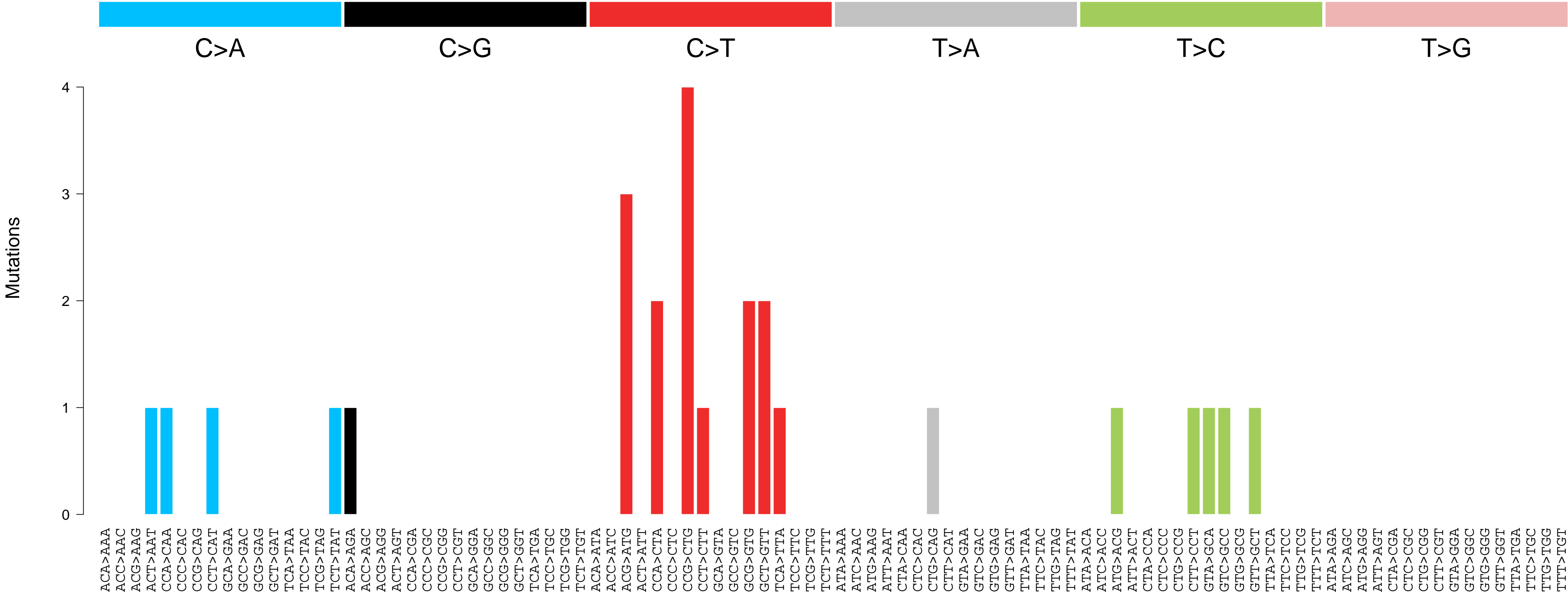
Mutational spectrum #154
(179 mutations)



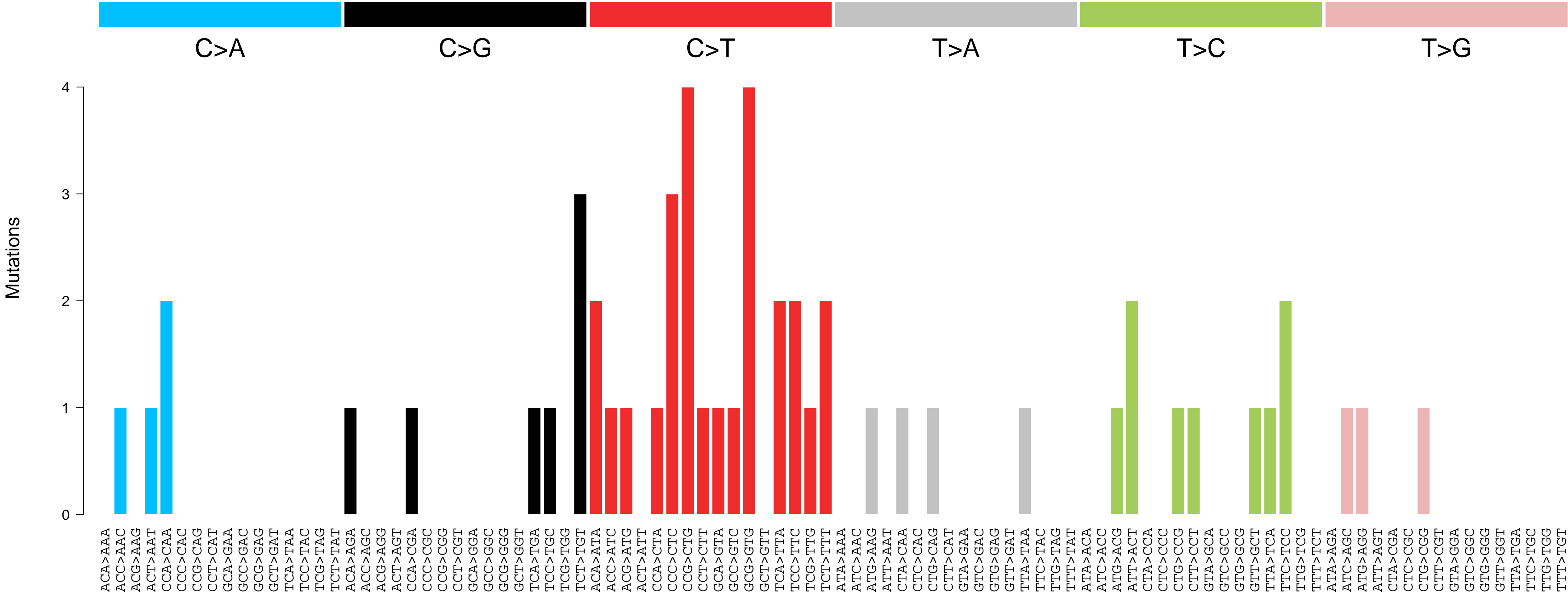
Mutational spectrum #155
(196 mutations)



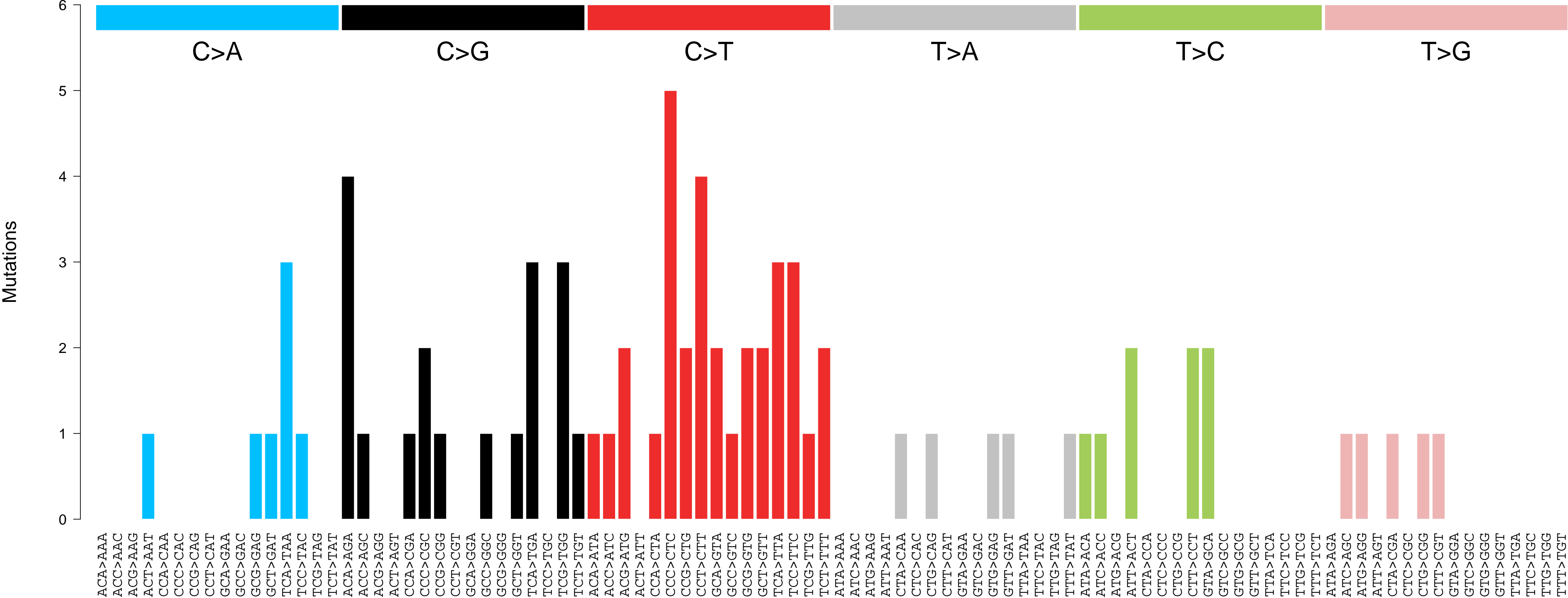
Mutational spectrum #156
(26 mutations)



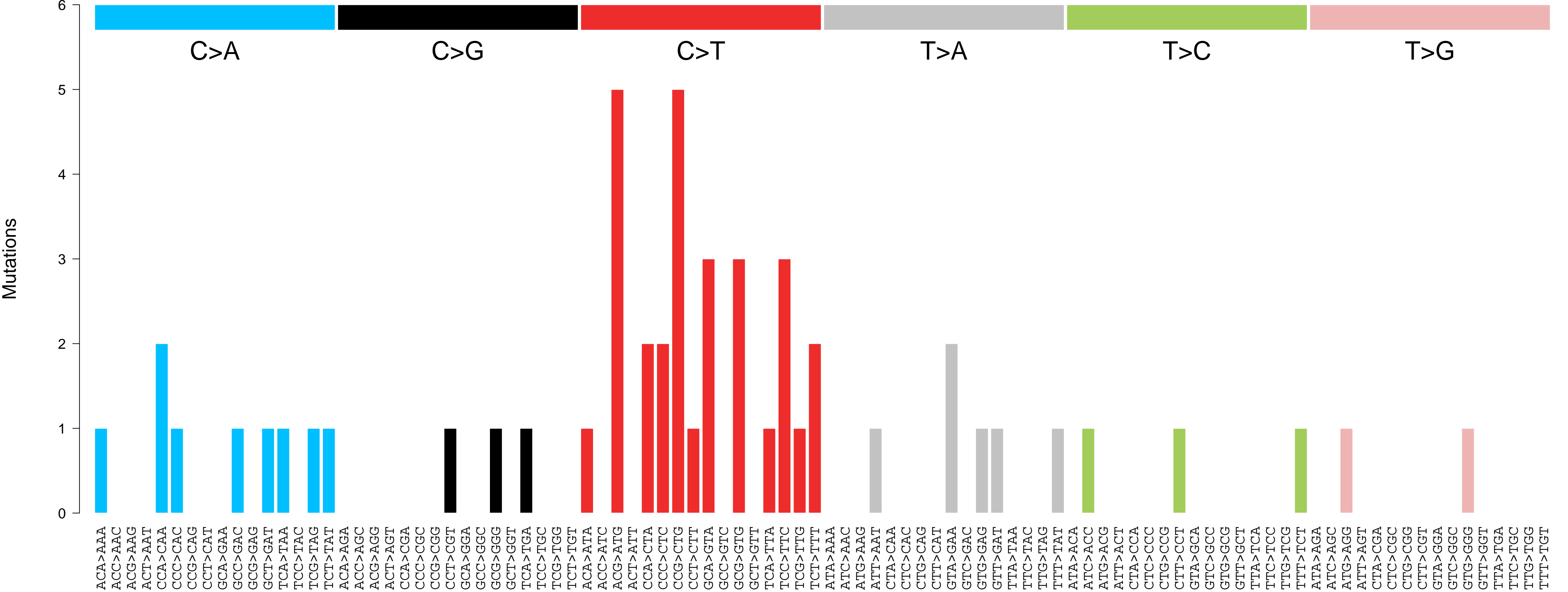
Mutational spectrum #157
(53 mutations)



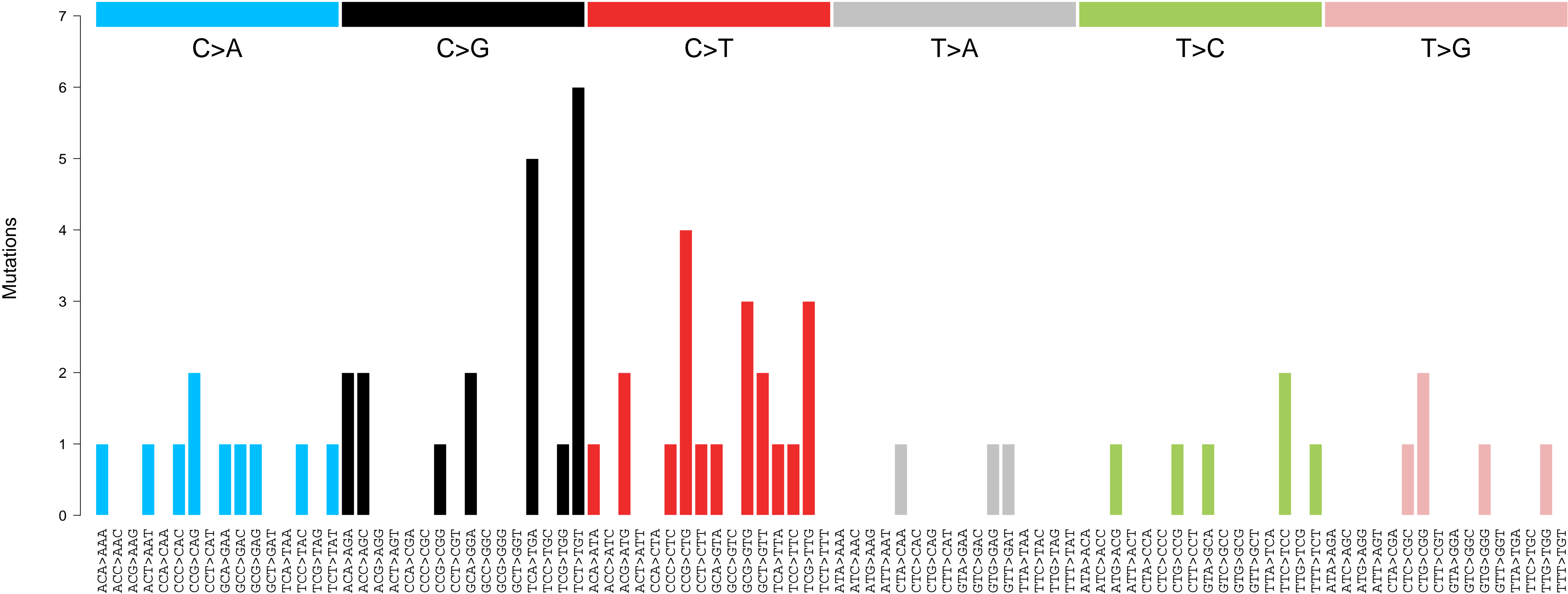
Mutational spectrum #158
(75 mutations)



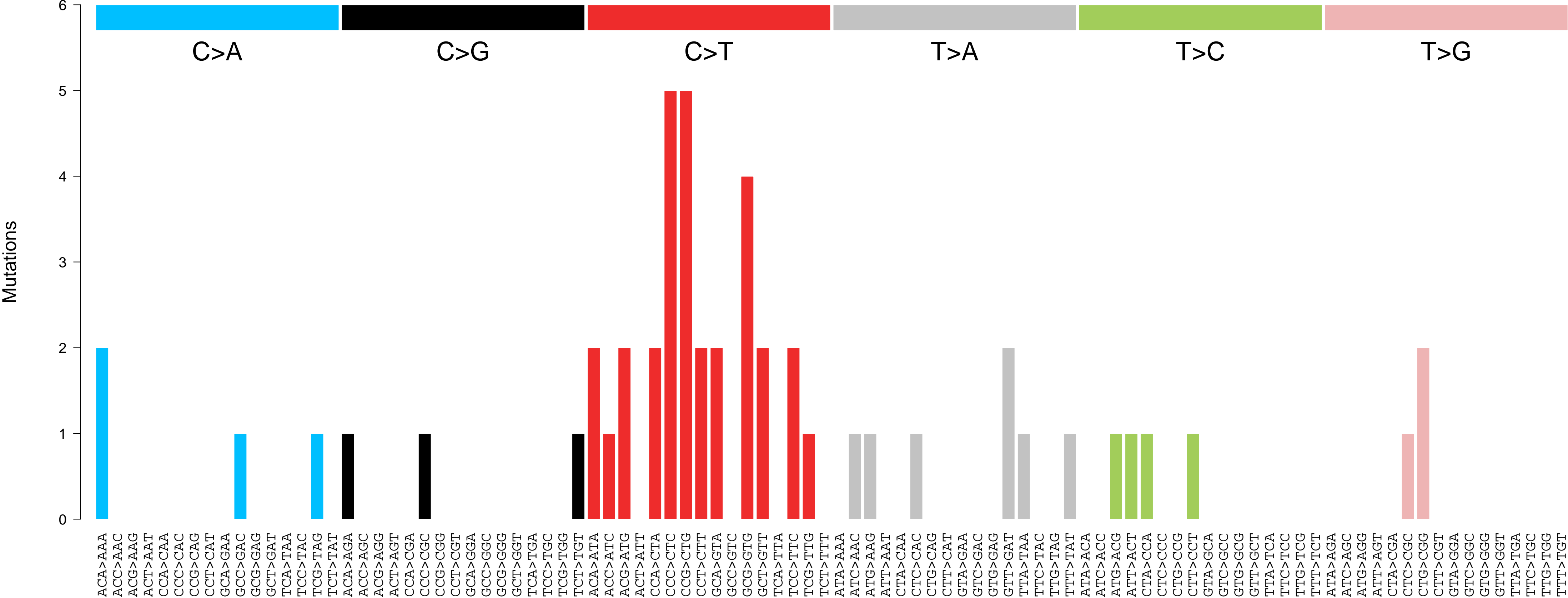
Mutational spectrum #159
(52 mutations)



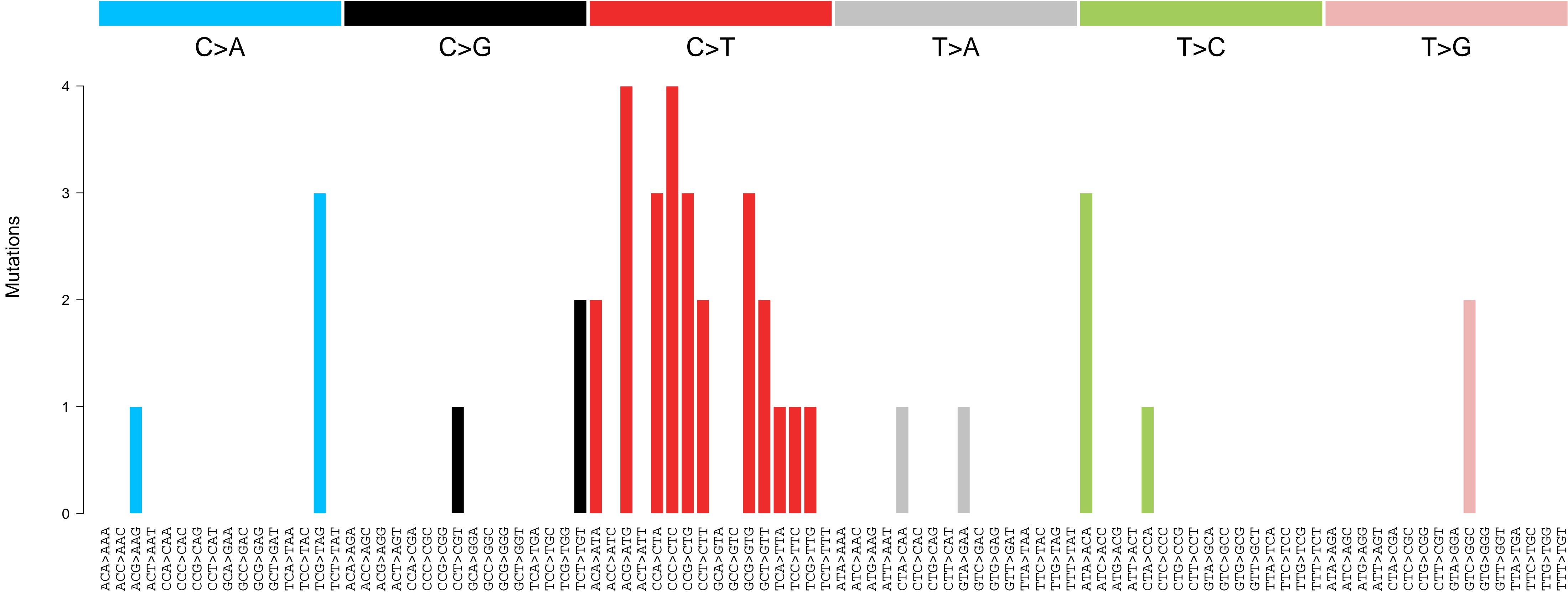
Mutational spectrum #160
(63 mutations)



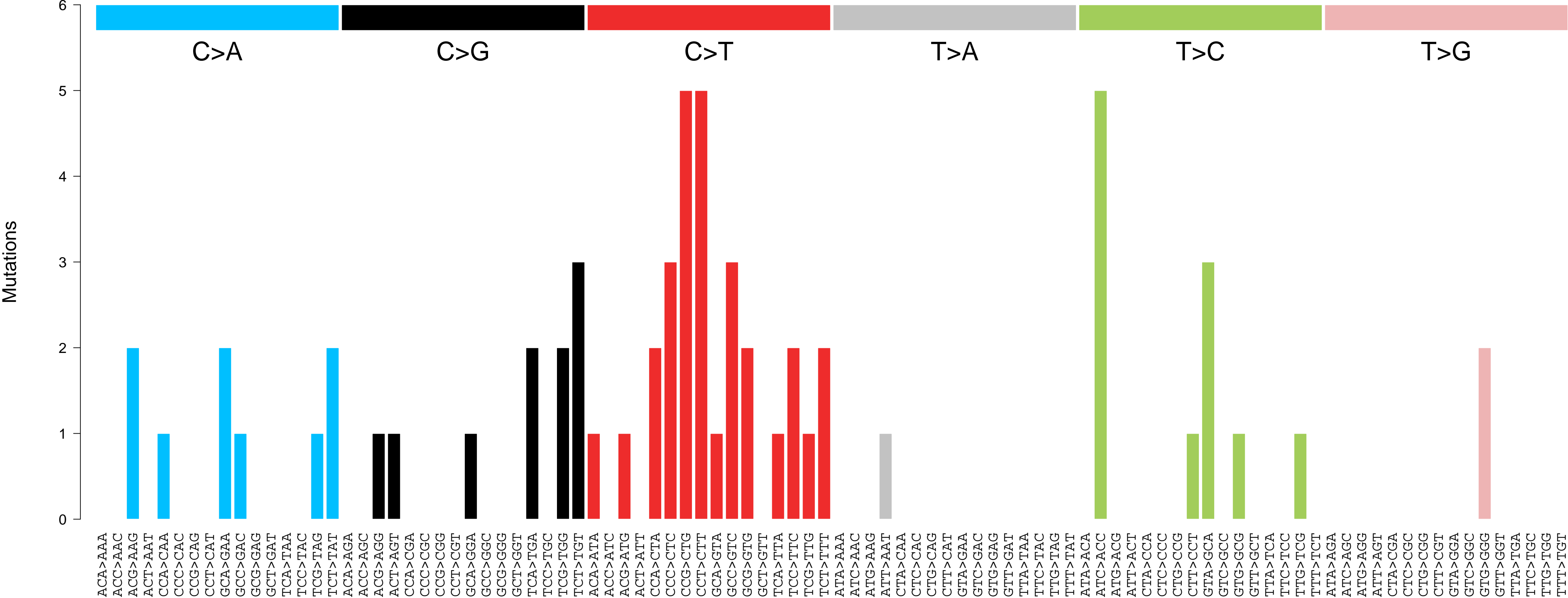
Mutational spectrum #161
(51 mutations)



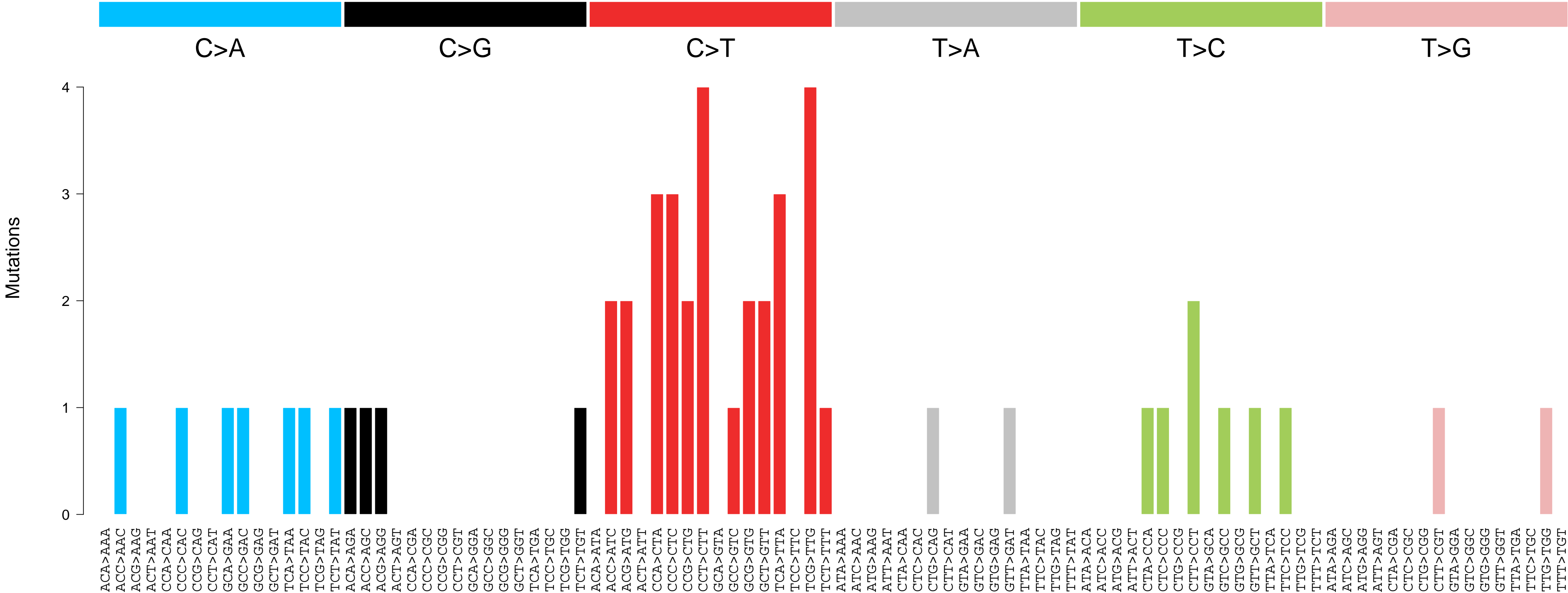
Mutational spectrum #162
(41 mutations)



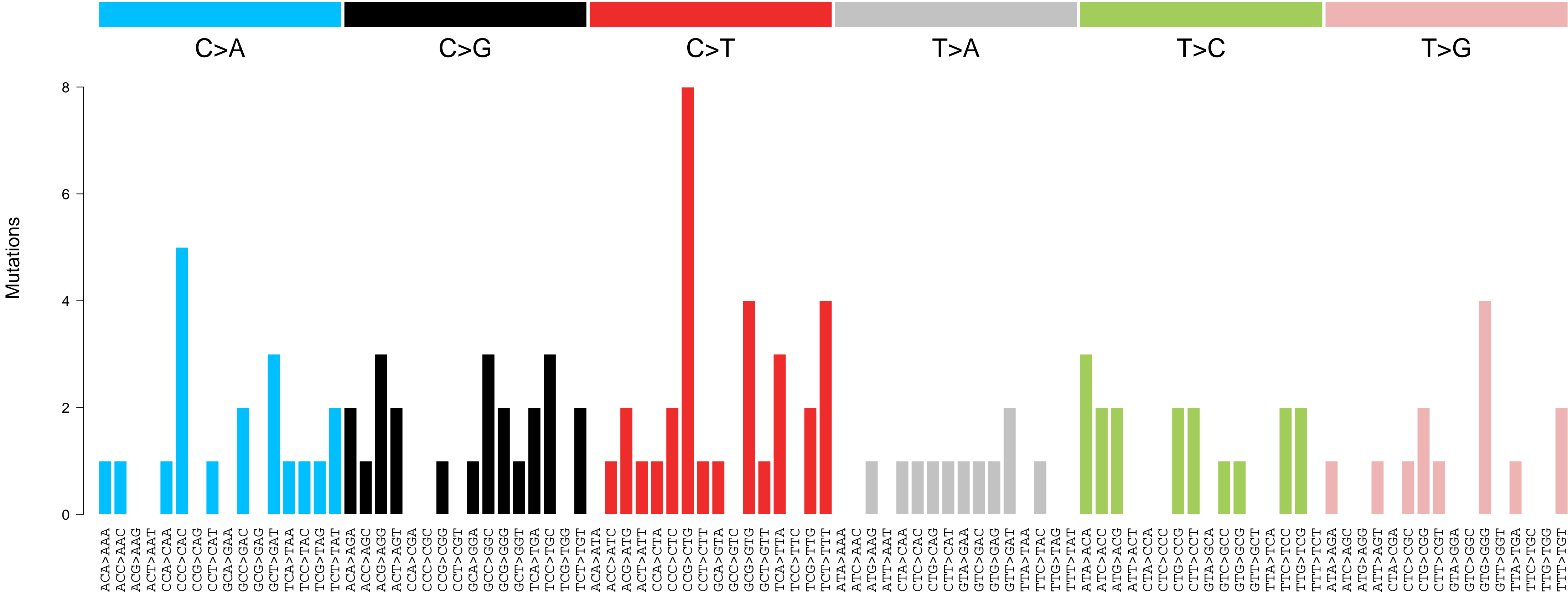
Mutational spectrum #163
(62 mutations)



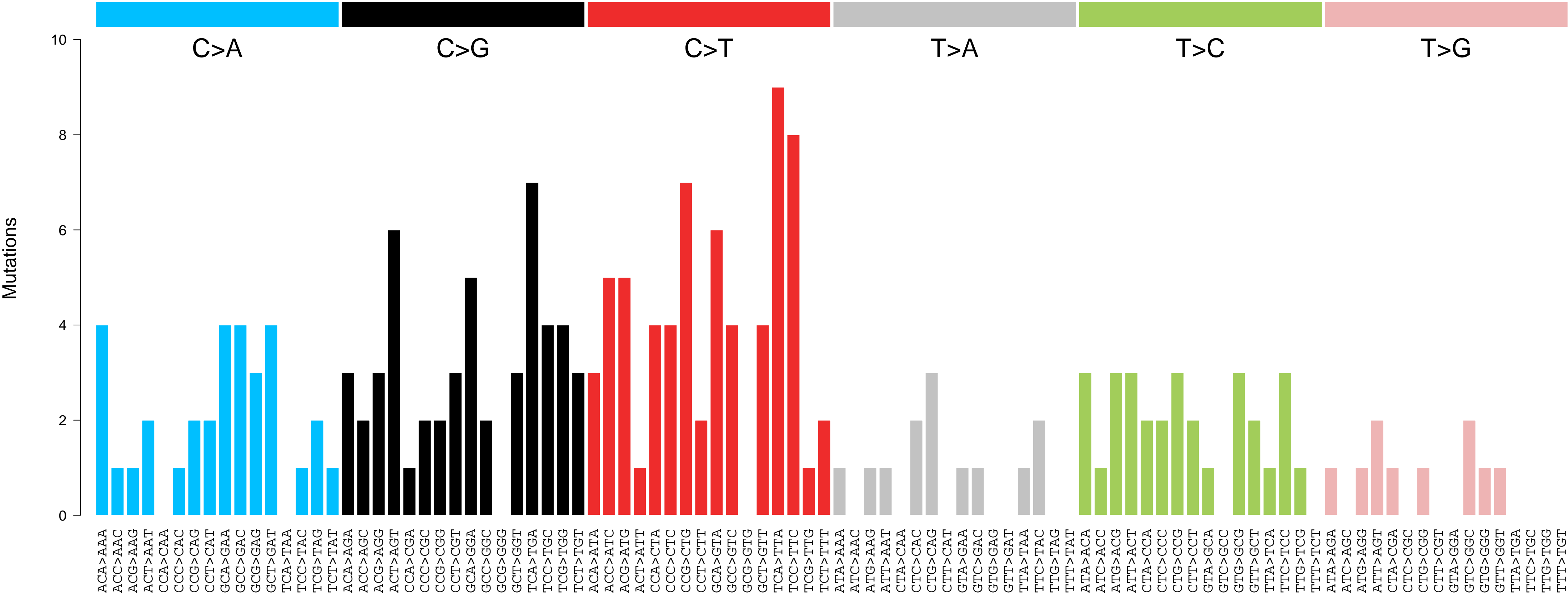
Mutational spectrum #164
(51 mutations)



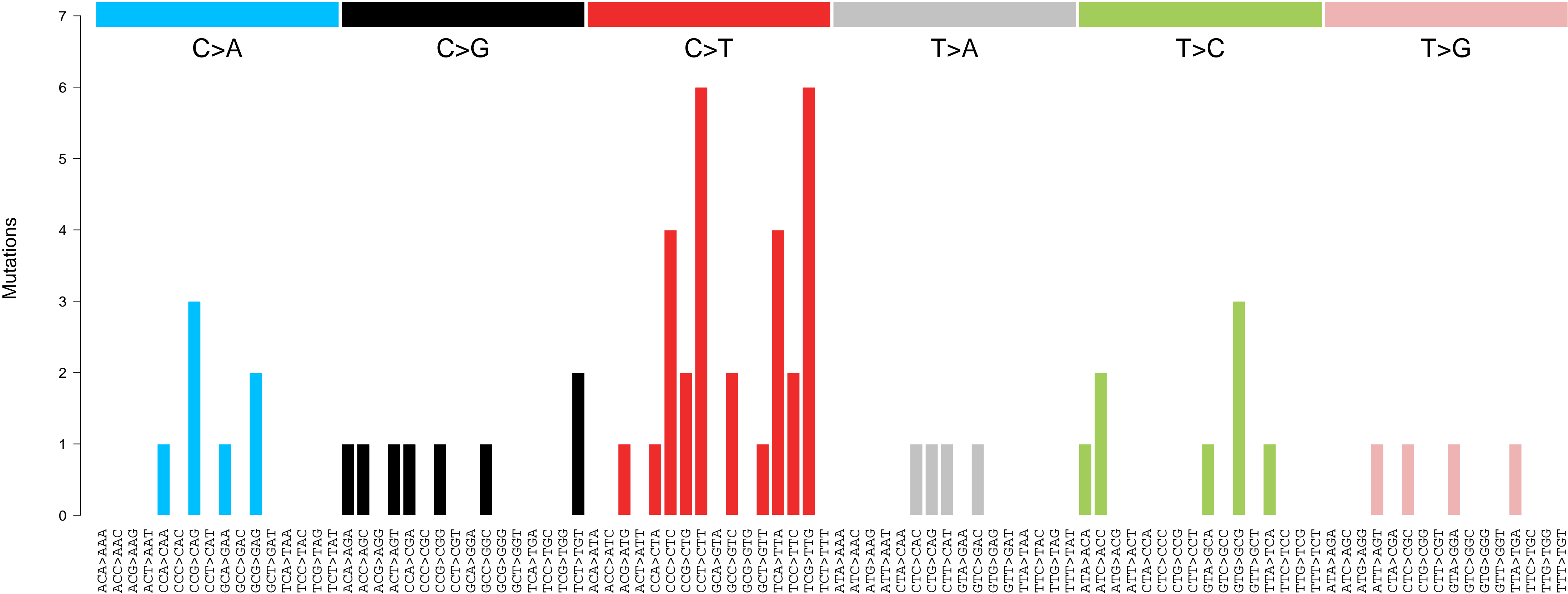
Mutational spectrum #165
(114 mutations)



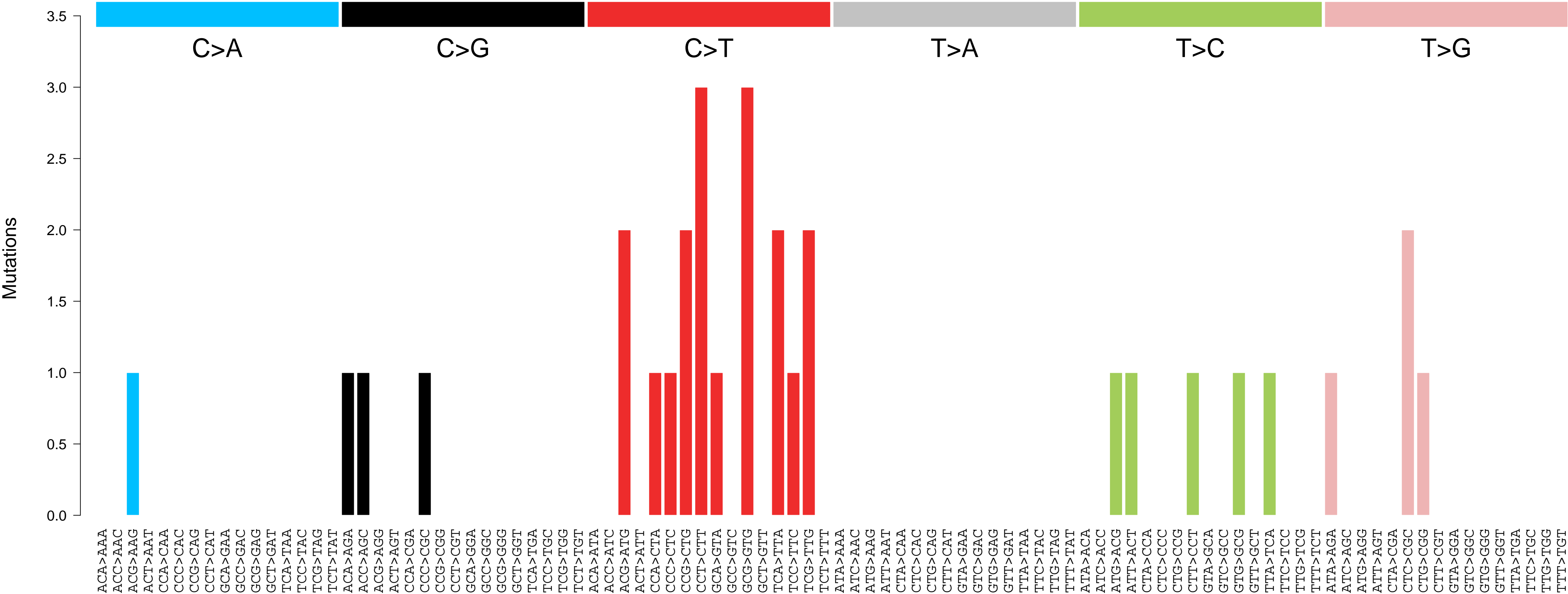
Mutational spectrum #166
(200 mutations)



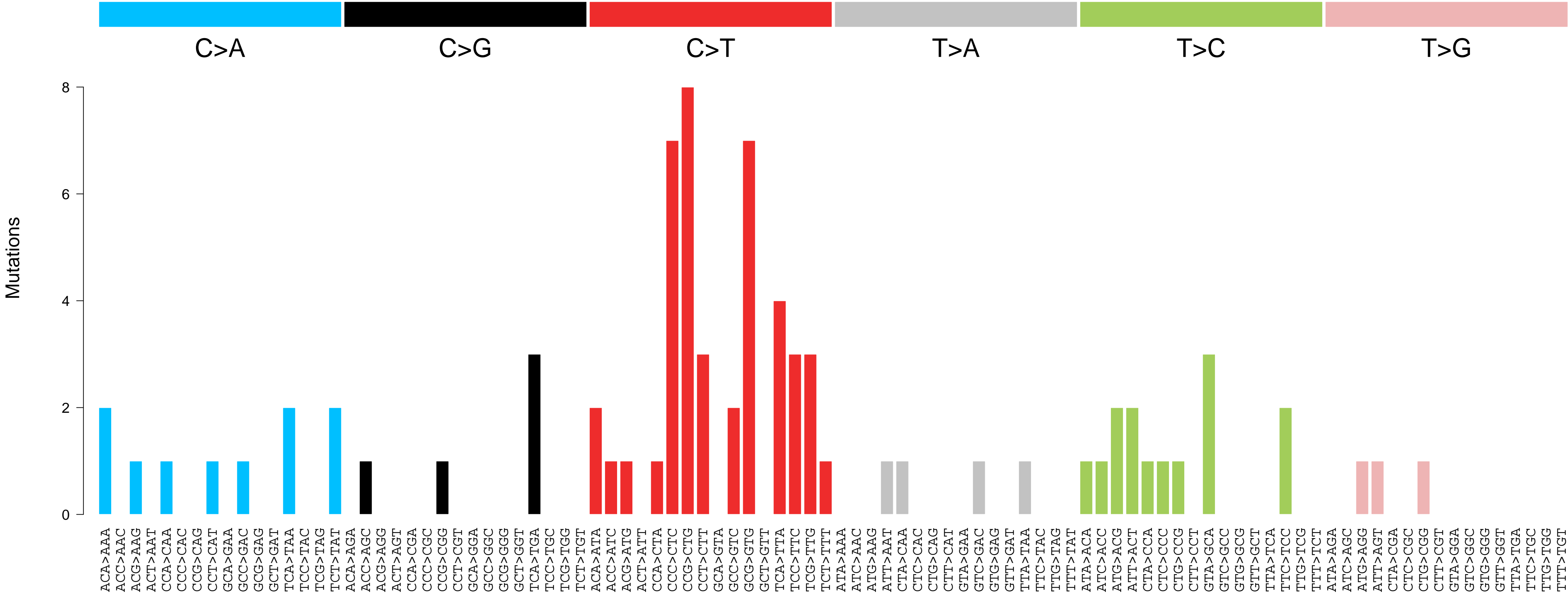
Mutational spectrum #167
(60 mutations)



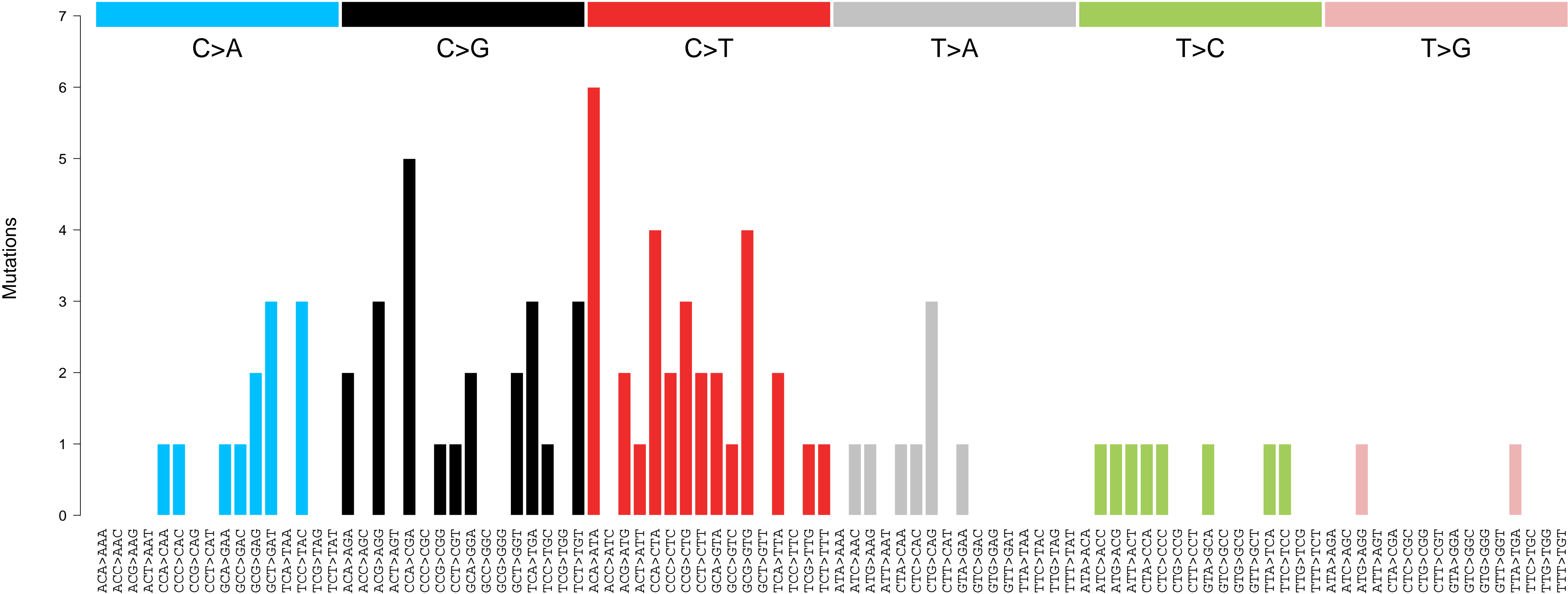
Mutational spectrum #168
(31 mutations)



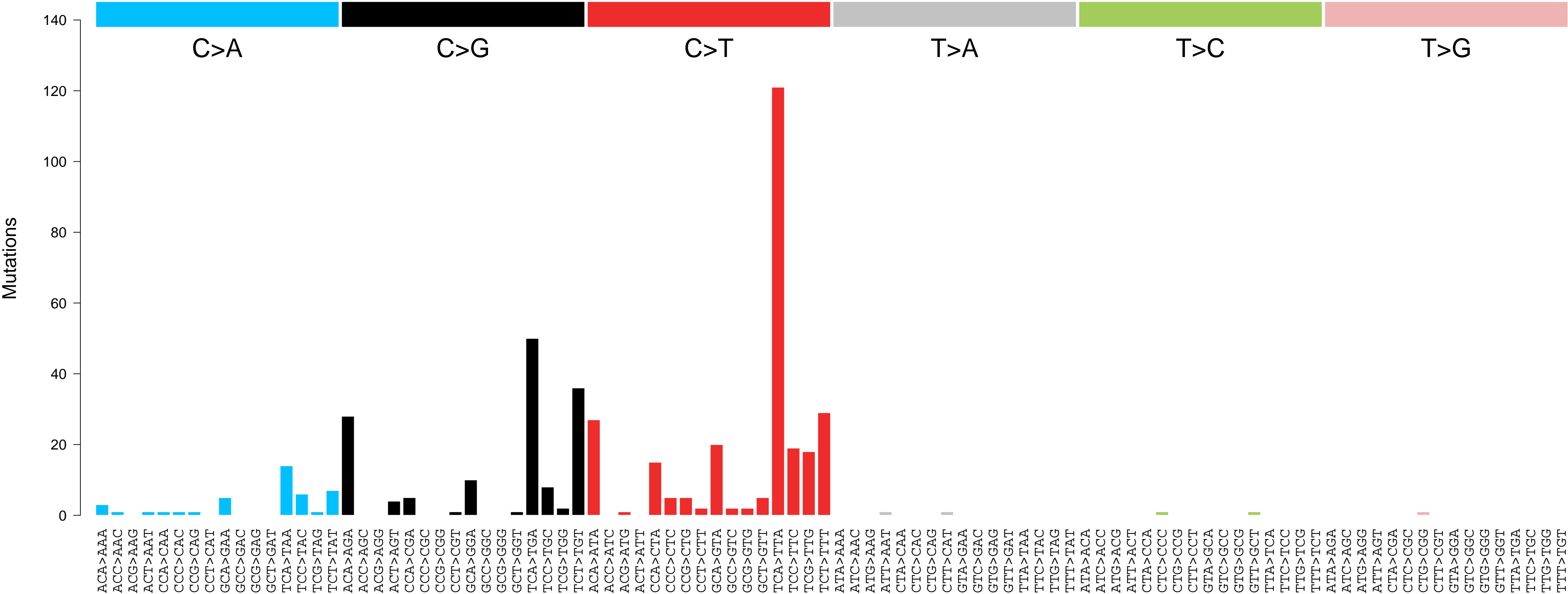
Mutational spectrum #169
(79 mutations)



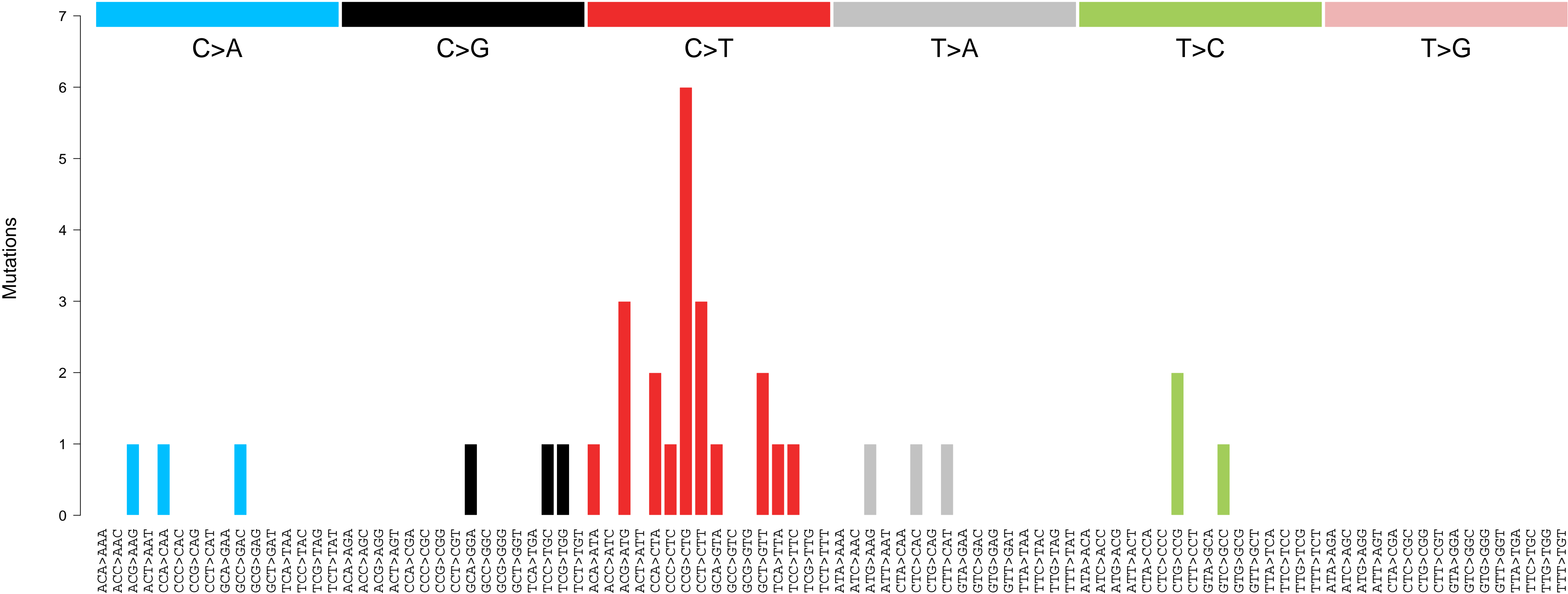
Mutational spectrum #170
(84 mutations)



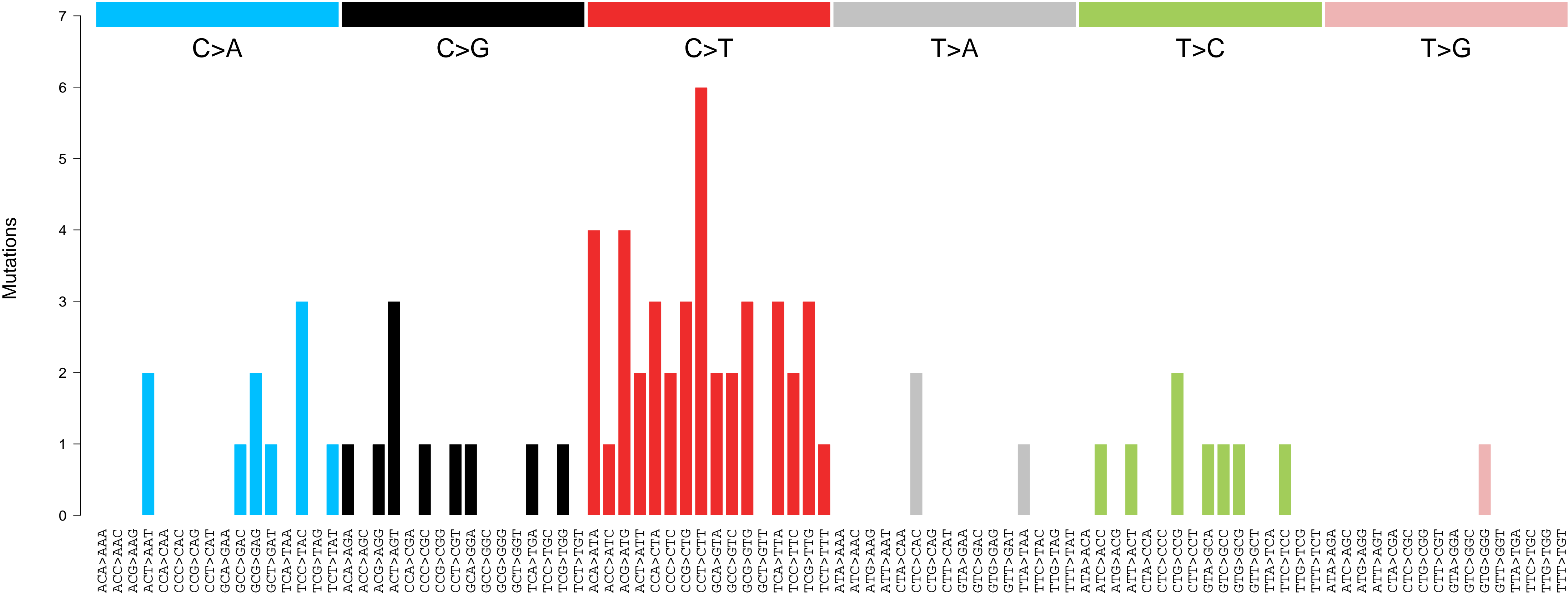
Mutational spectrum #171
(462 mutations)



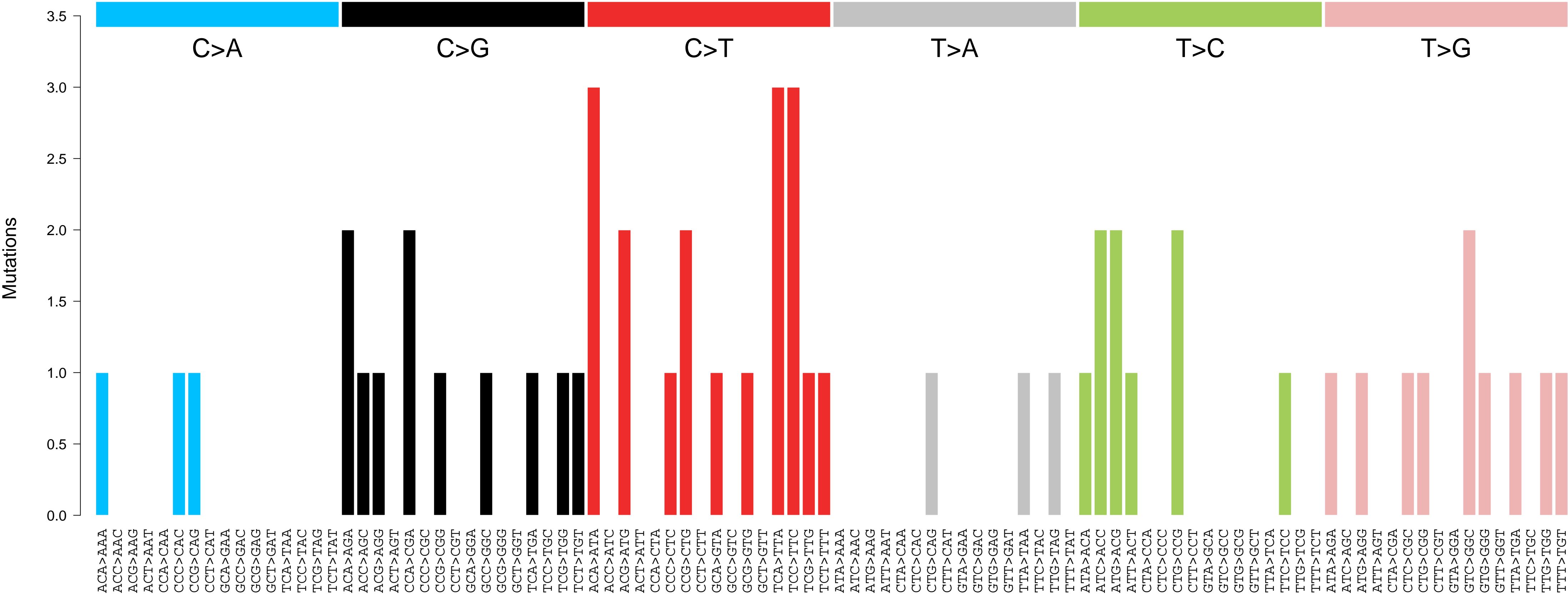
Mutational spectrum #172
(33 mutations)



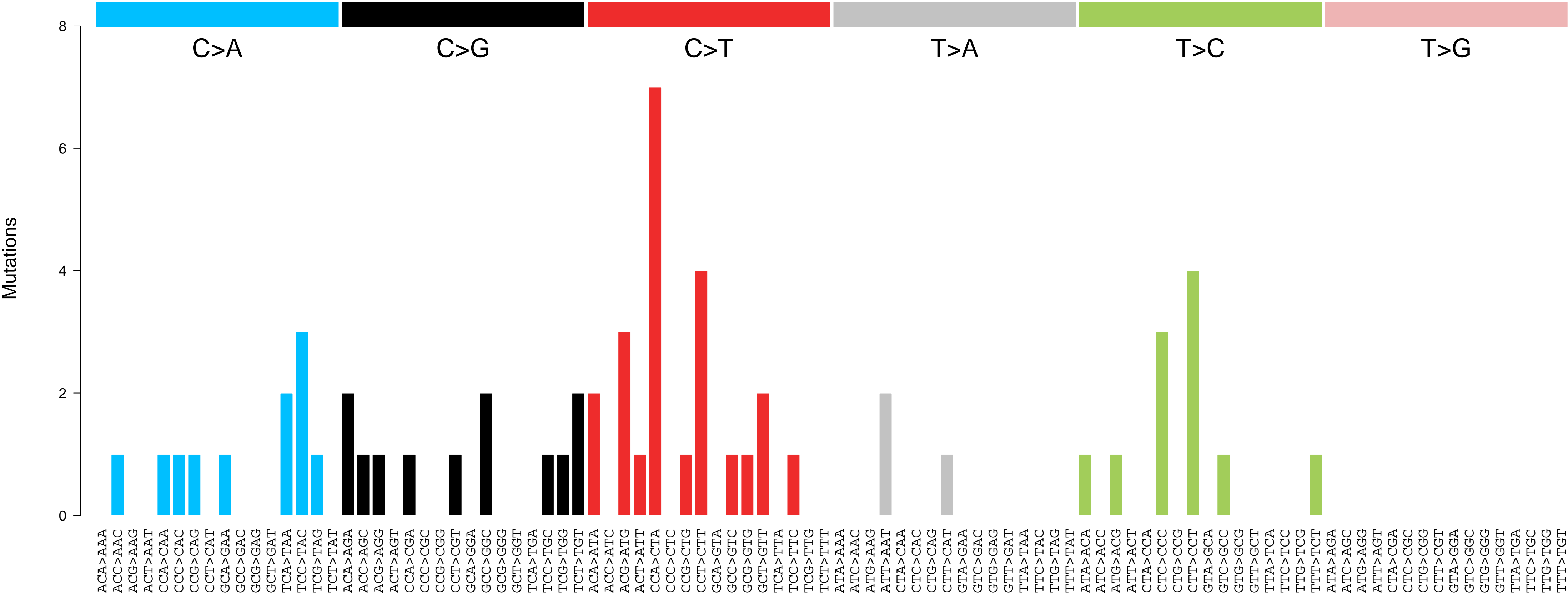
Mutational spectrum #173
(73 mutations)



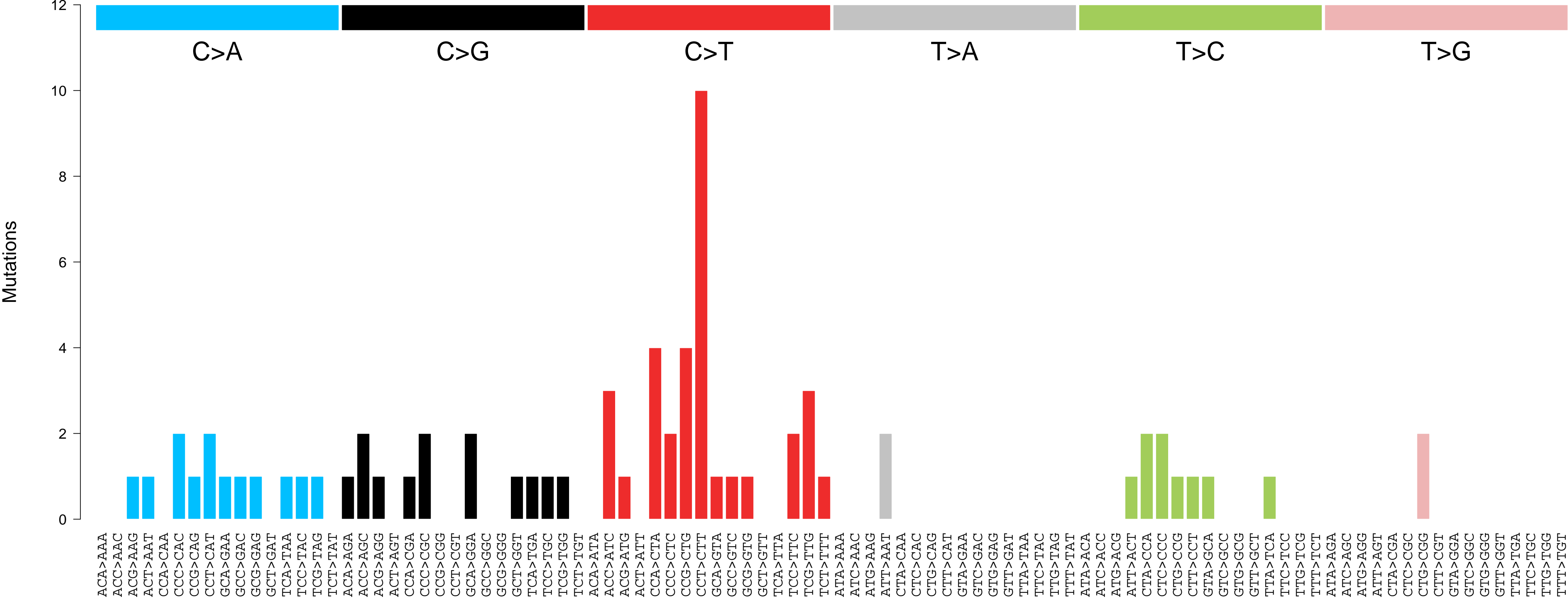
Mutational spectrum #174
(54 mutations)



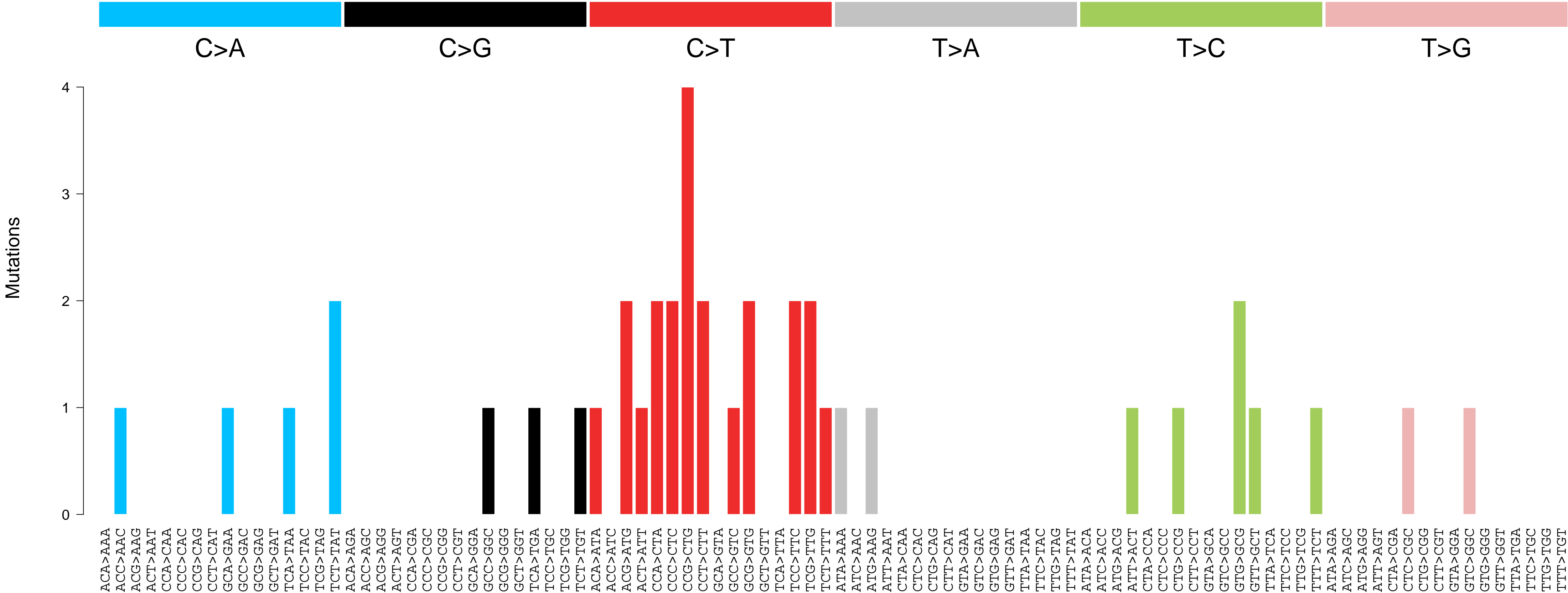
Mutational spectrum #175
(60 mutations)



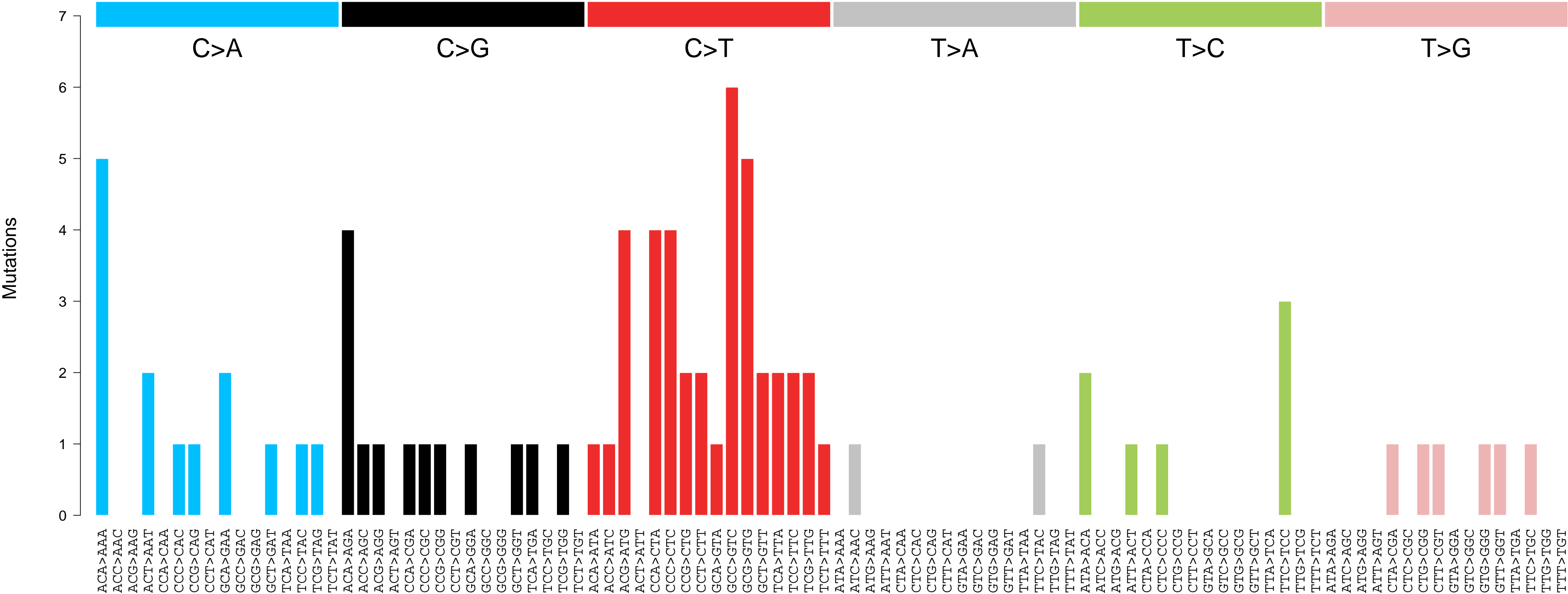
Mutational spectrum #176
(72 mutations)



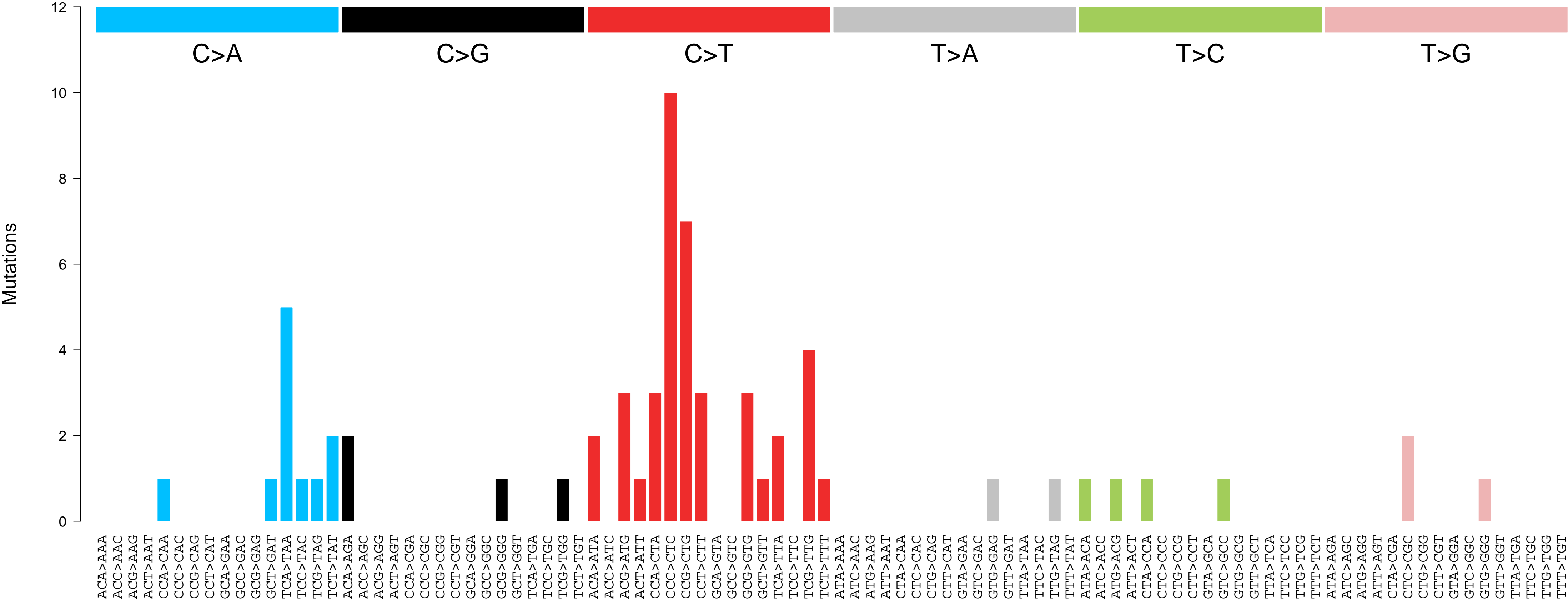
Mutational spectrum #177
(40 mutations)



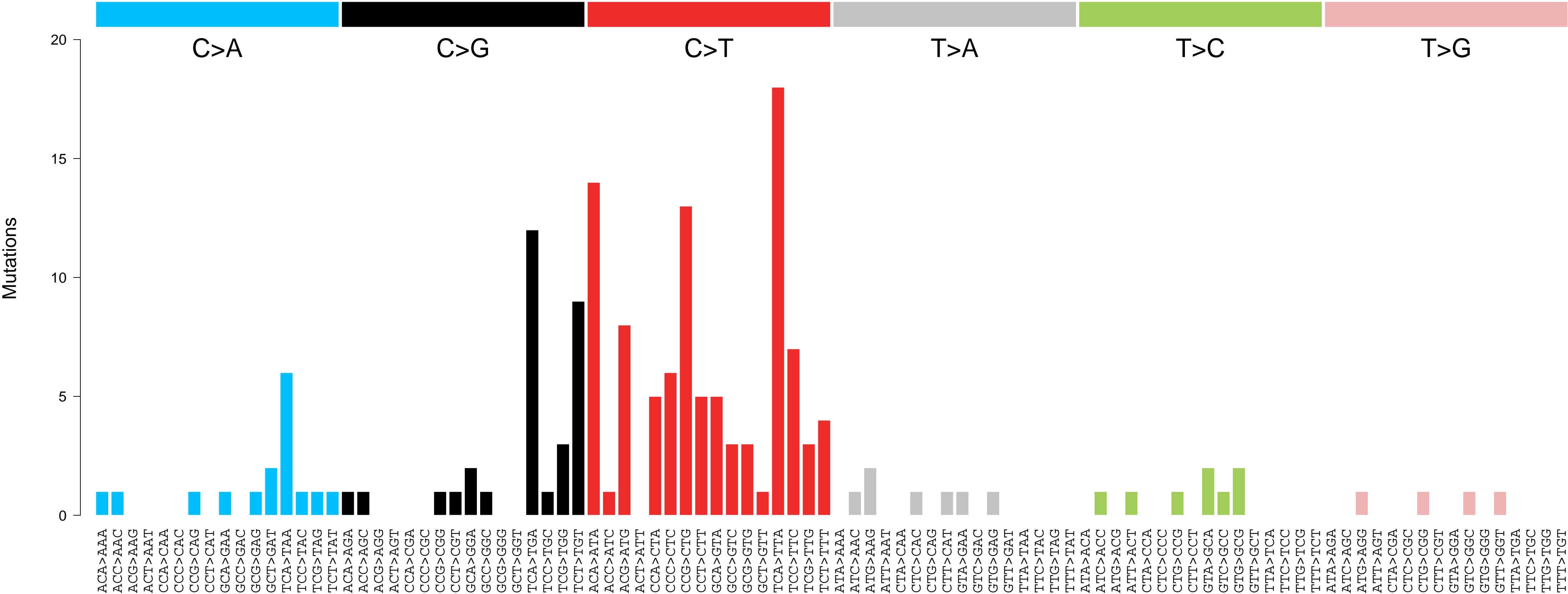
Mutational spectrum #178
(81 mutations)



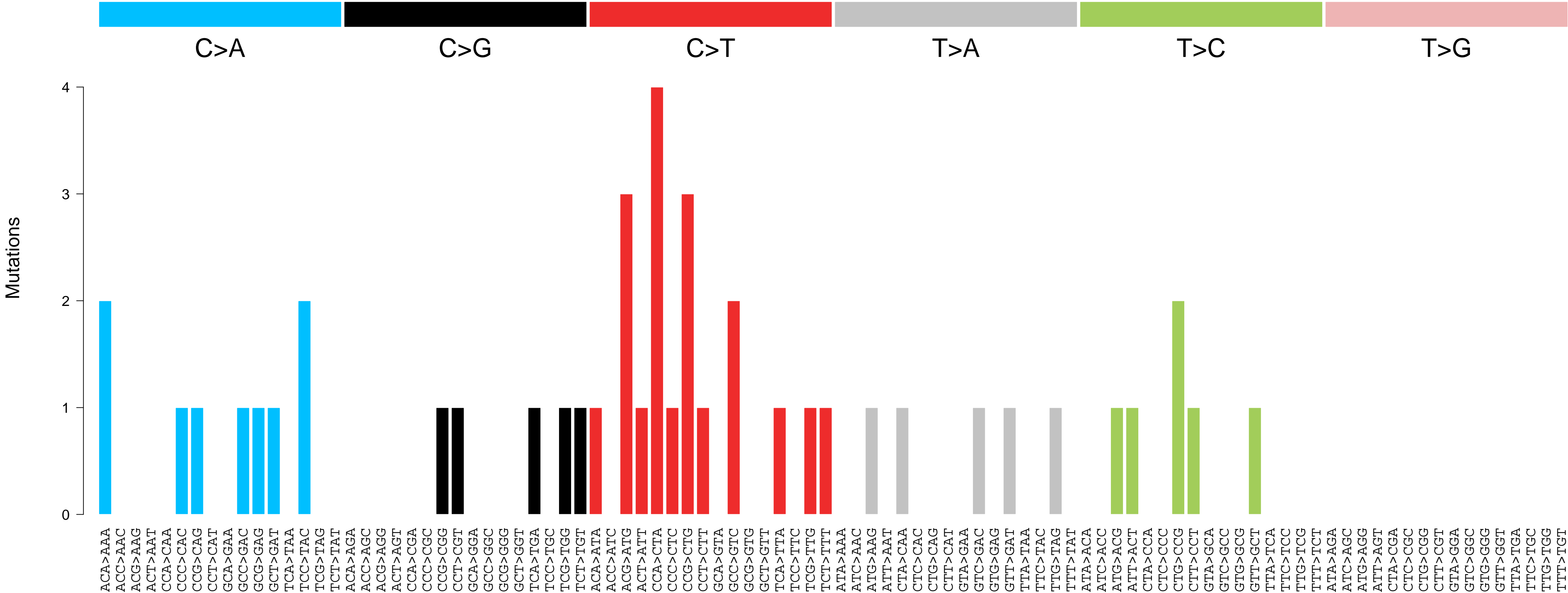
Mutational spectrum #179
(64 mutations)



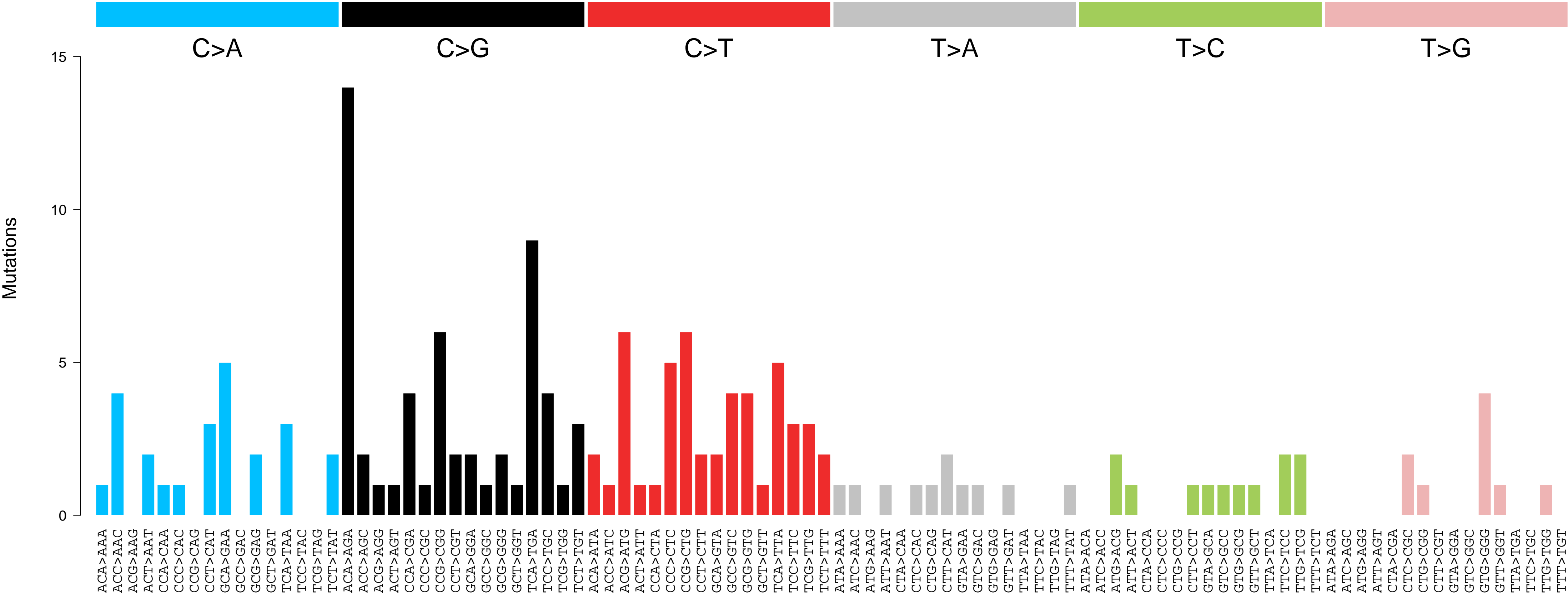
Mutational spectrum #180
(163 mutations)



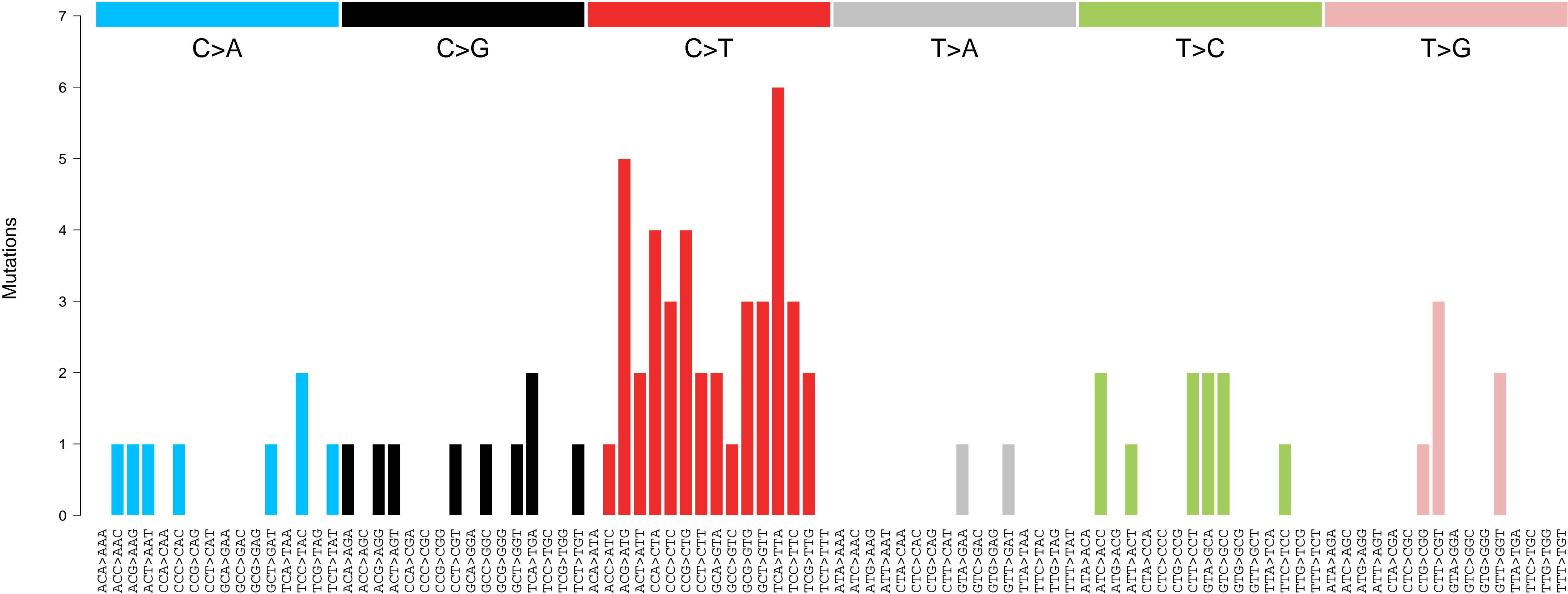
Mutational spectrum #181
(44 mutations)



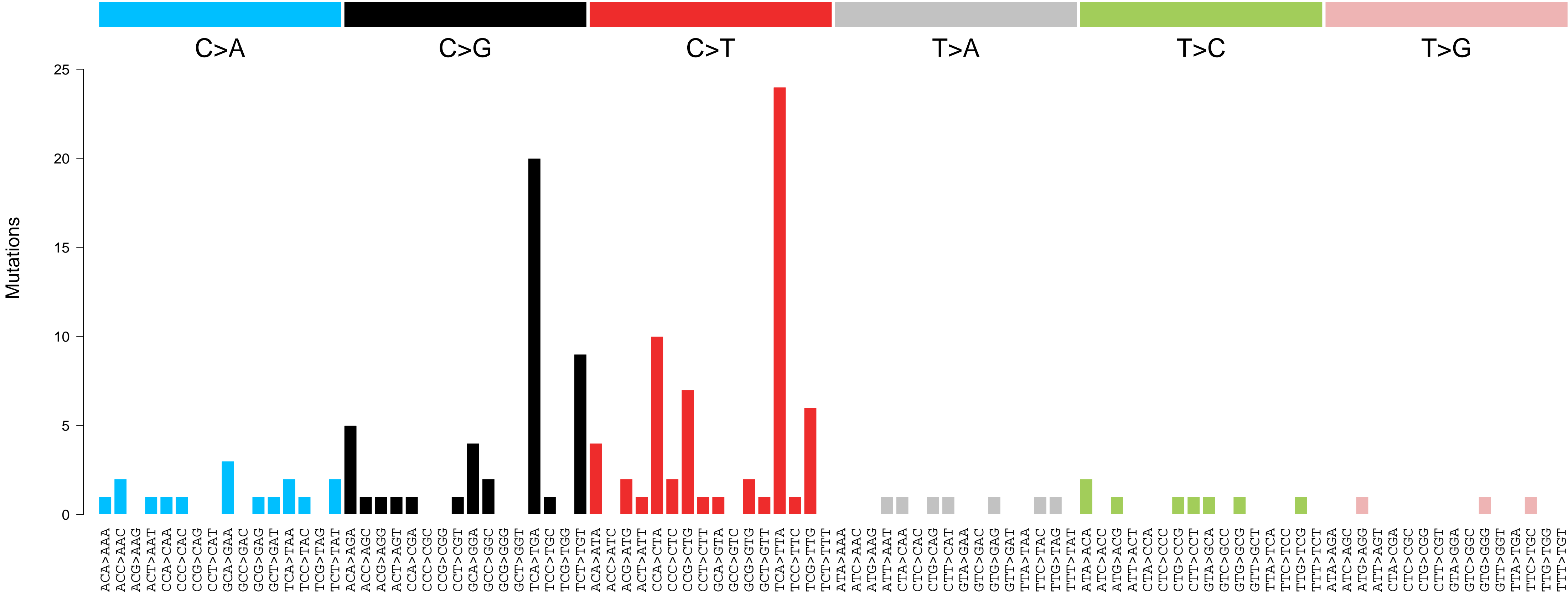
Mutational spectrum #182
(158 mutations)



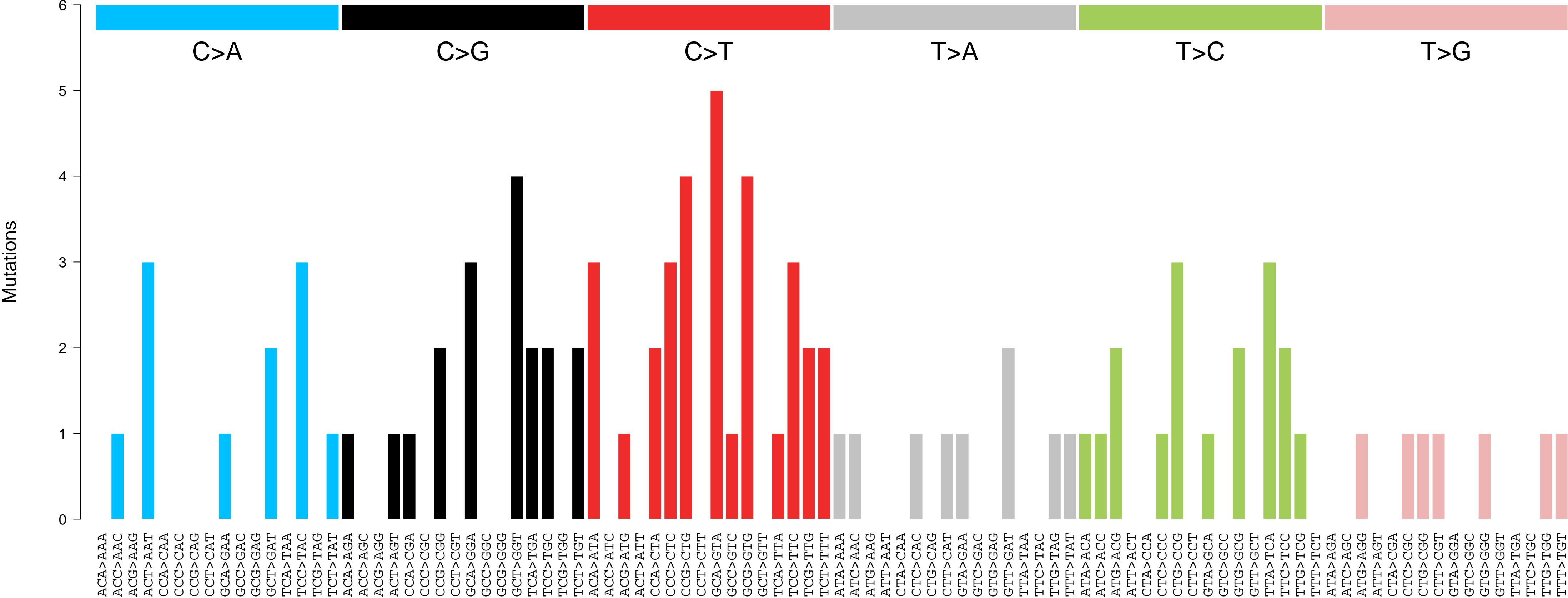
Mutational spectrum #183
(76 mutations)



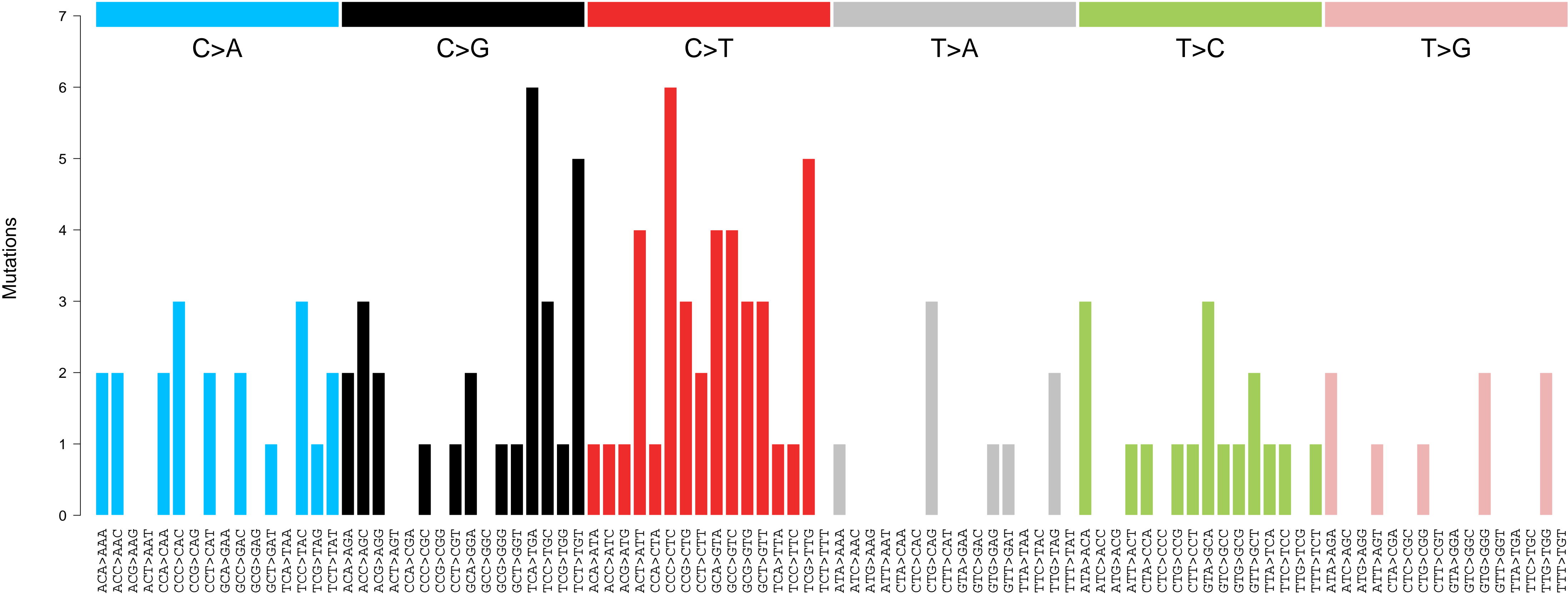
Mutational spectrum #184
(142 mutations)



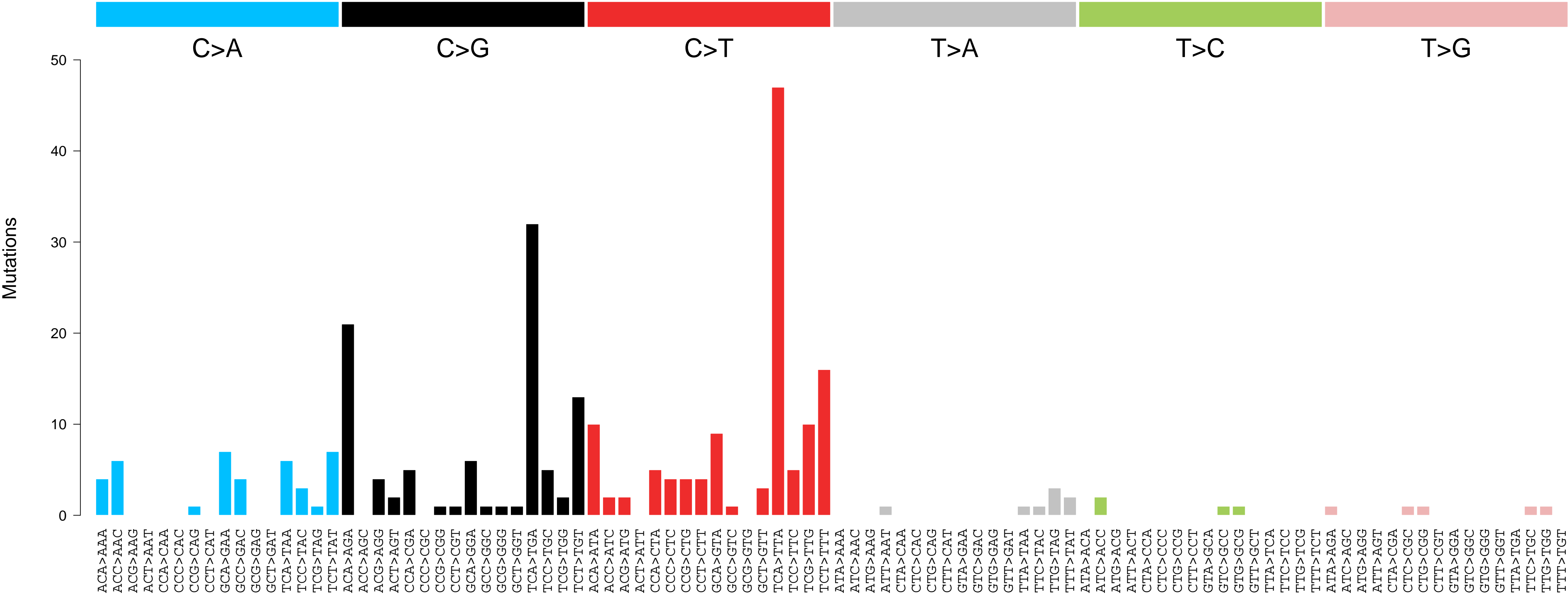
Mutational spectrum #185
(93 mutations)



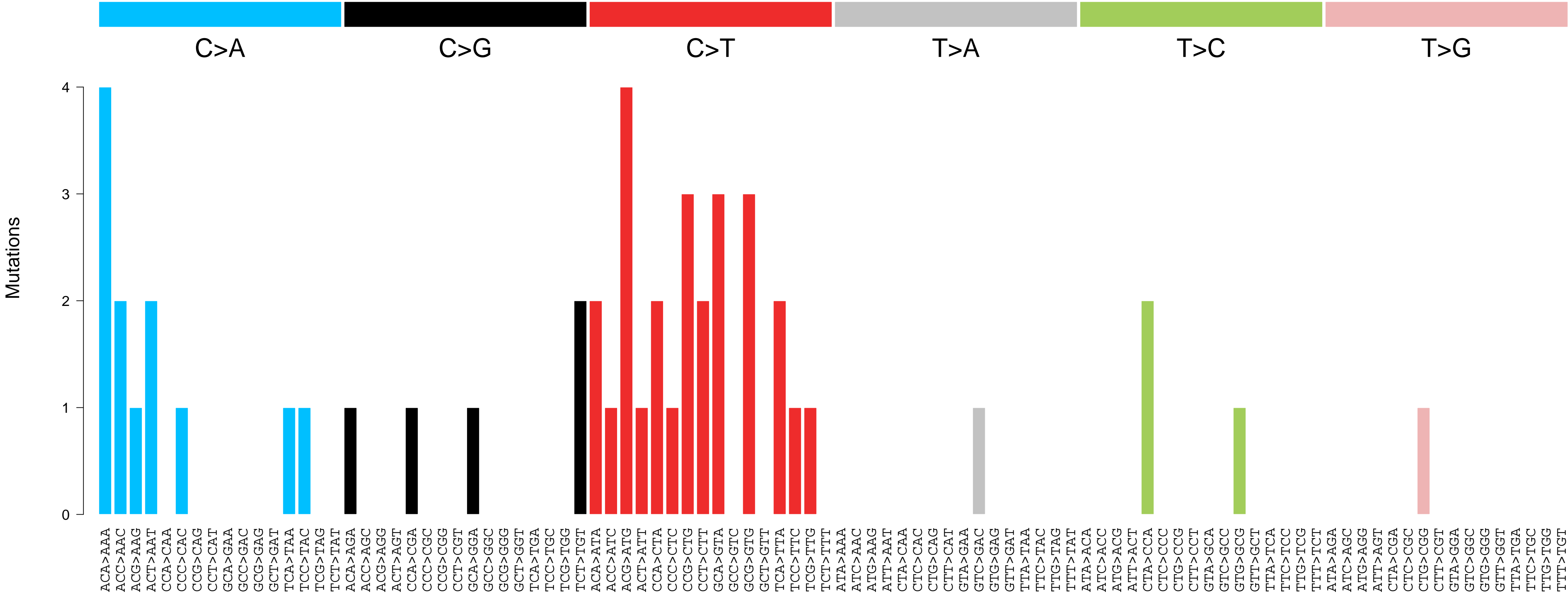
Mutational spectrum #186
(121 mutations)



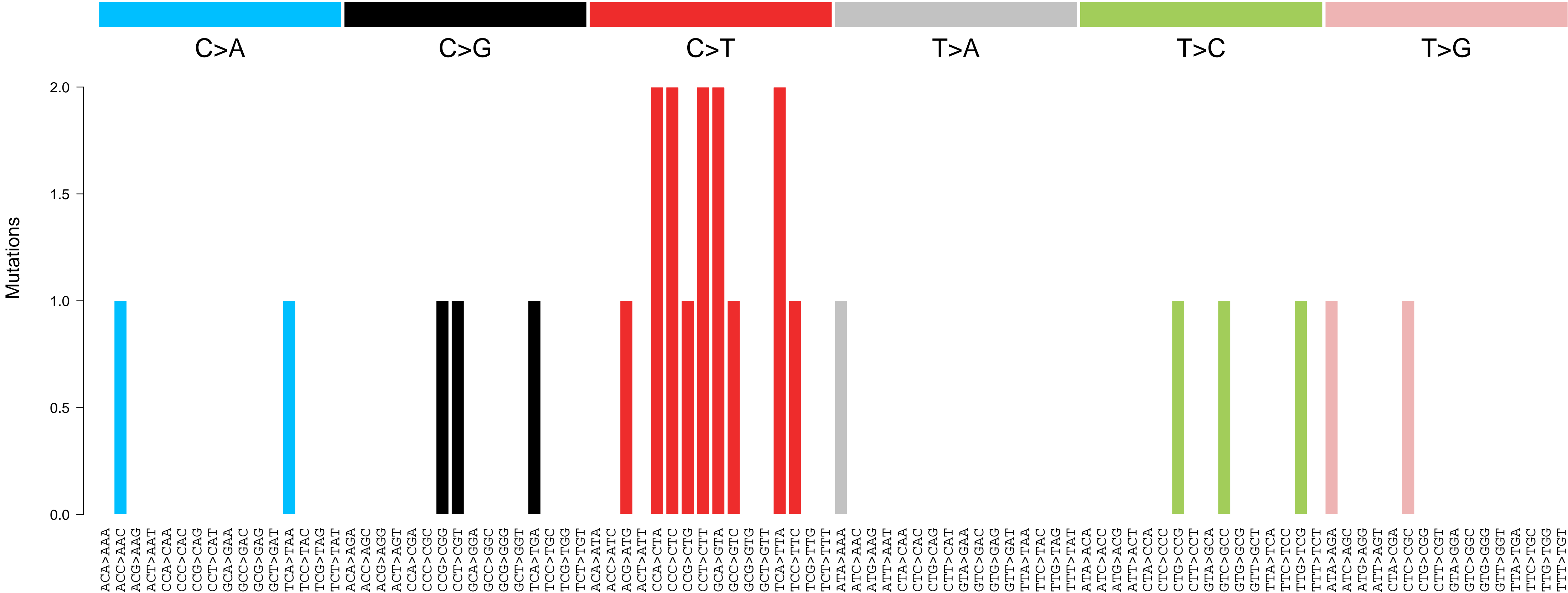
Mutational spectrum #187
(273 mutations)



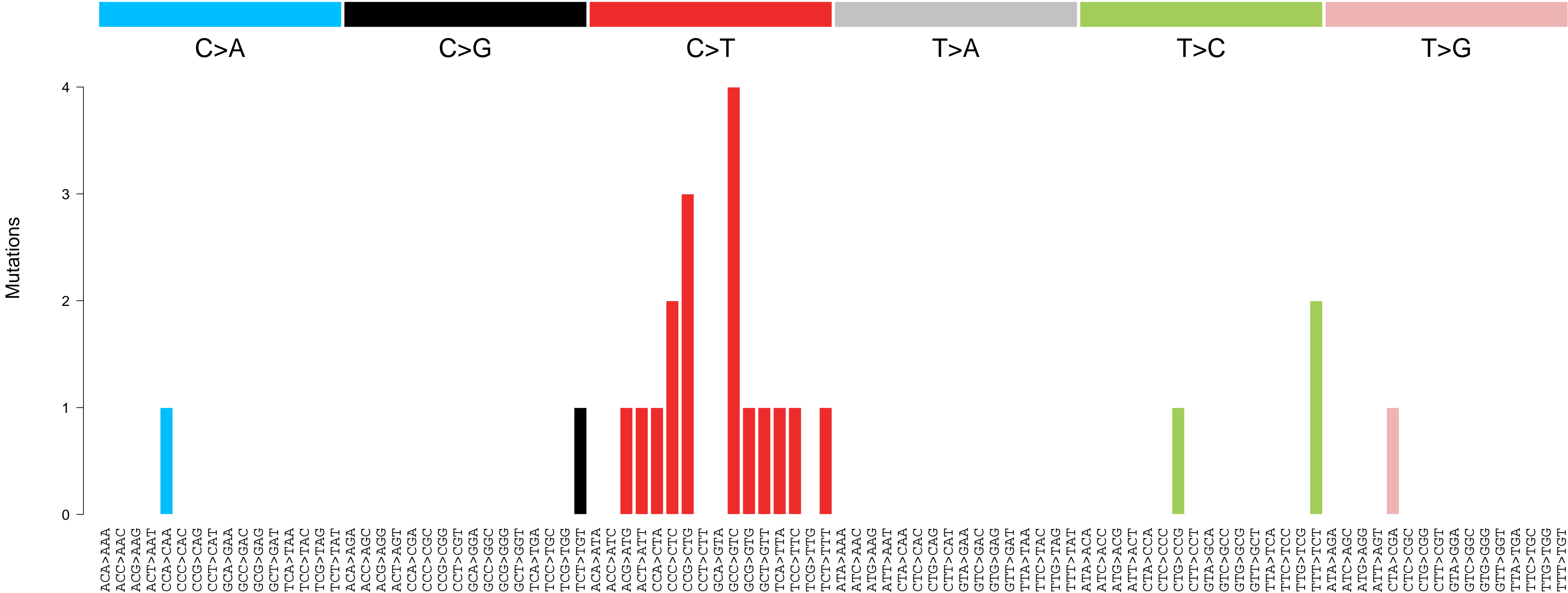
Mutational spectrum #188
(48 mutations)



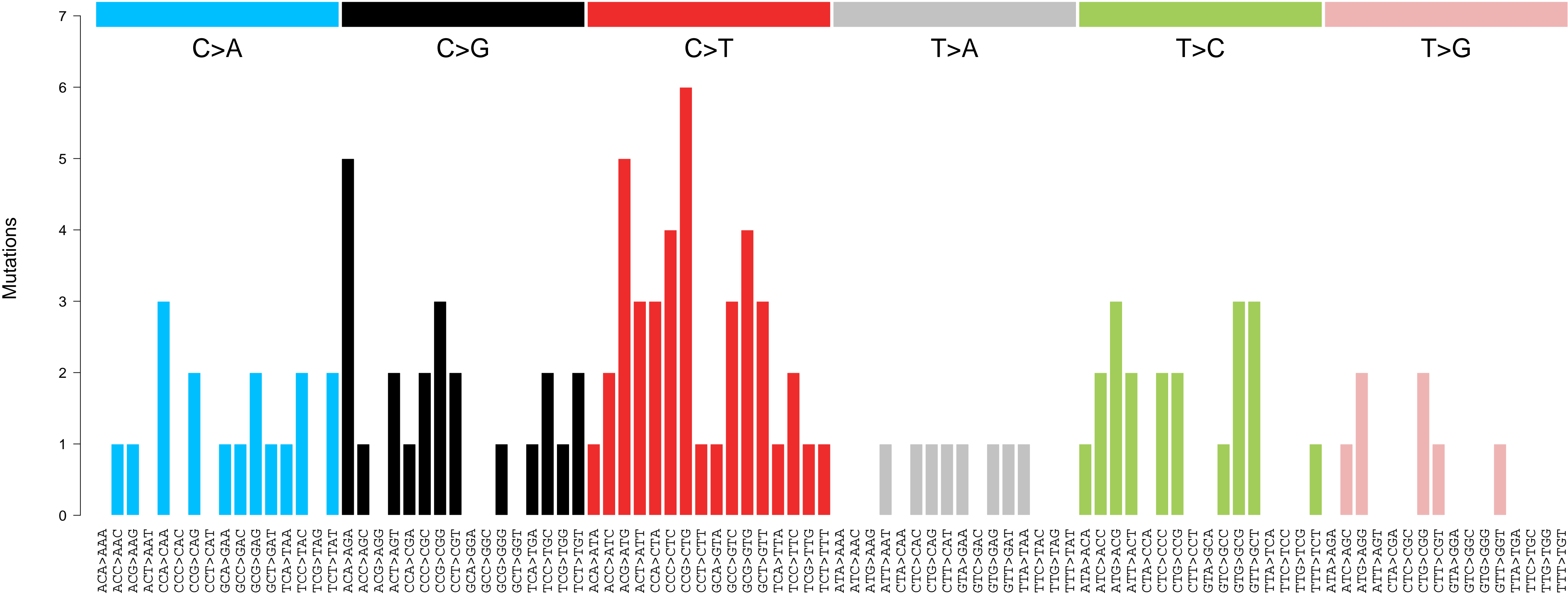
Mutational spectrum #189
(25 mutations)



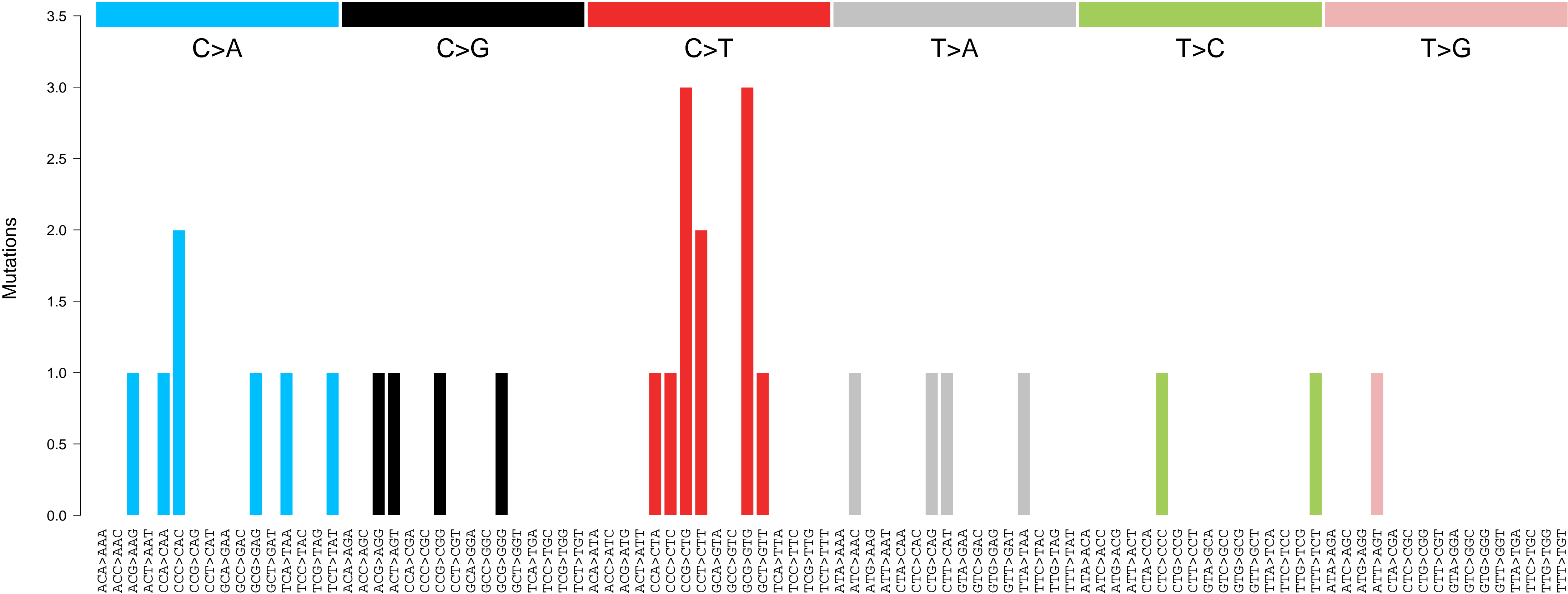
Mutational spectrum #190
(23 mutations)



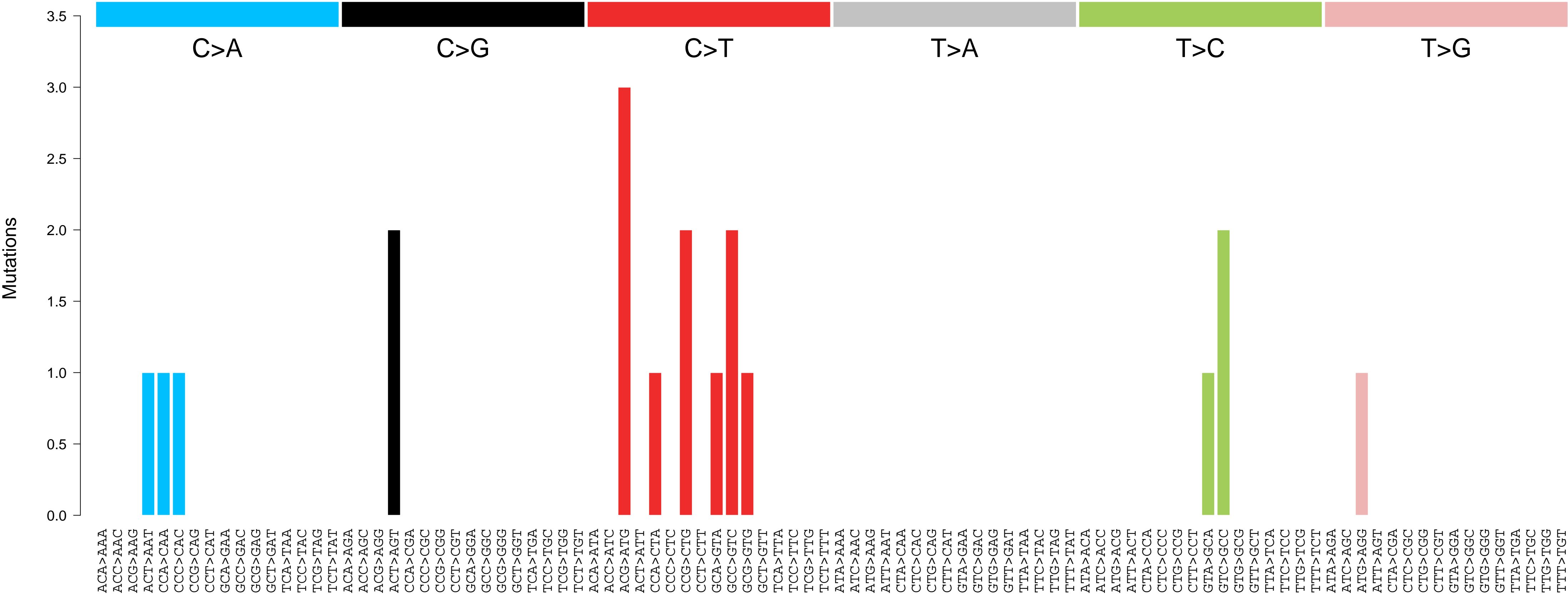
Mutational spectrum #191
(116 mutations)



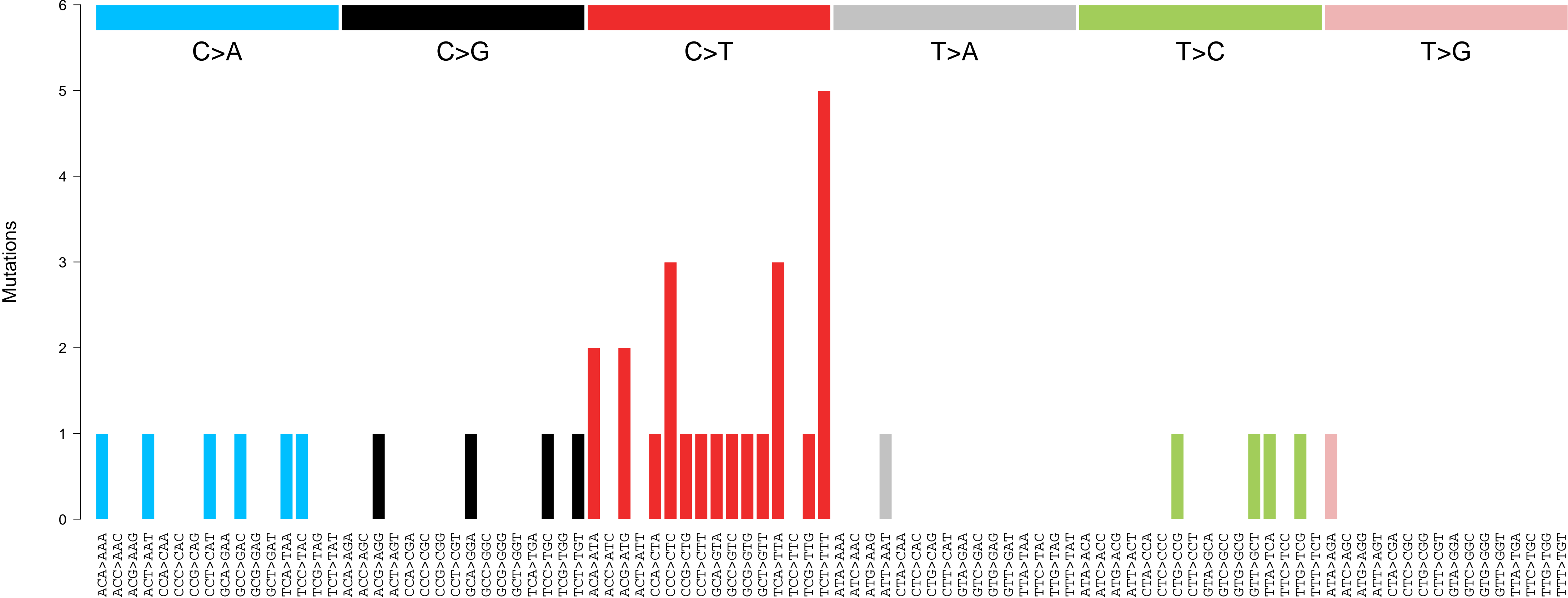
Mutational spectrum #192
(29 mutations)



Mutational spectrum #193
(19 mutations)



Mutational spectrum #194
(39 mutations)



Mutational spectrum #195
(46 mutations)

