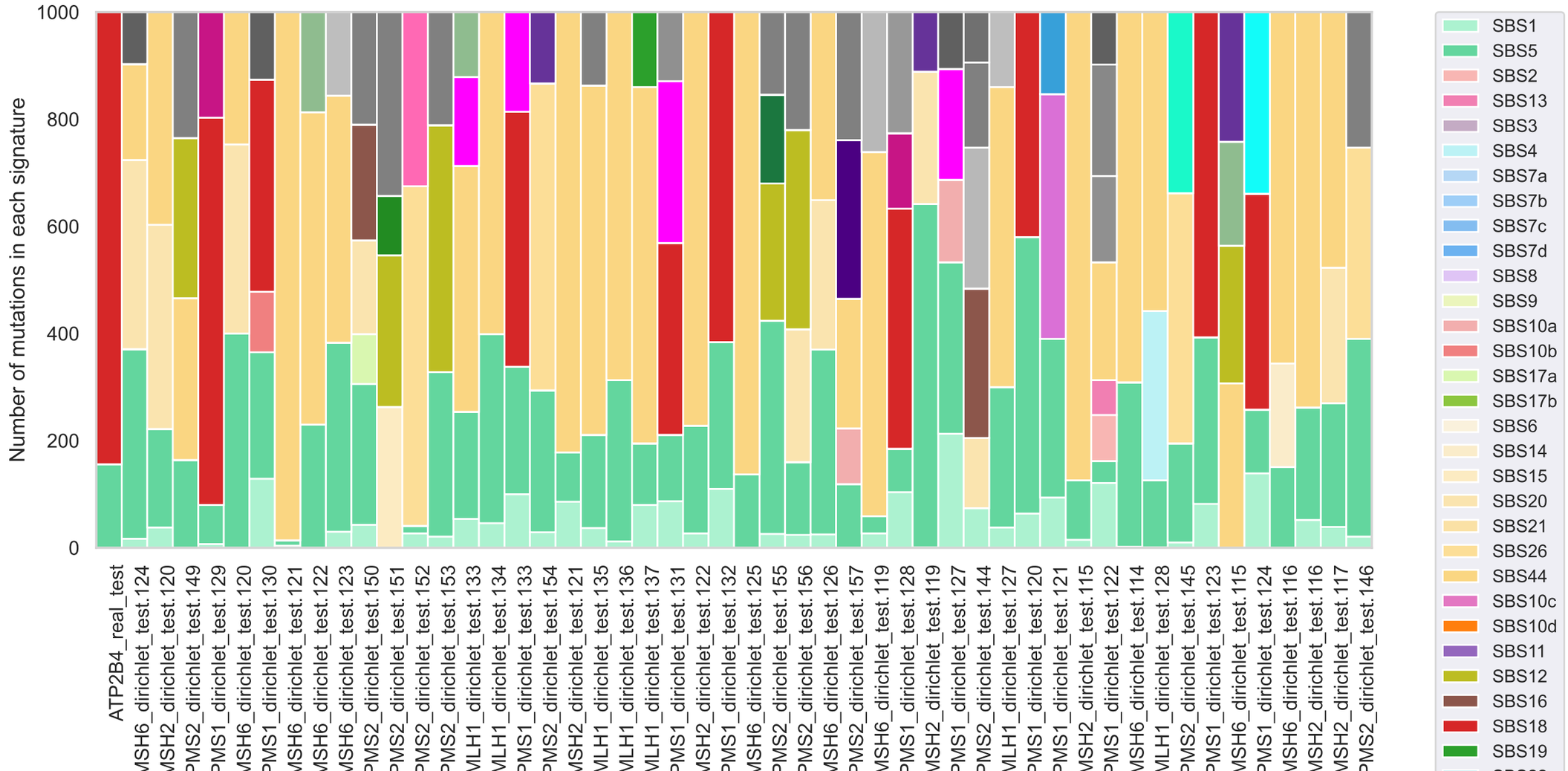
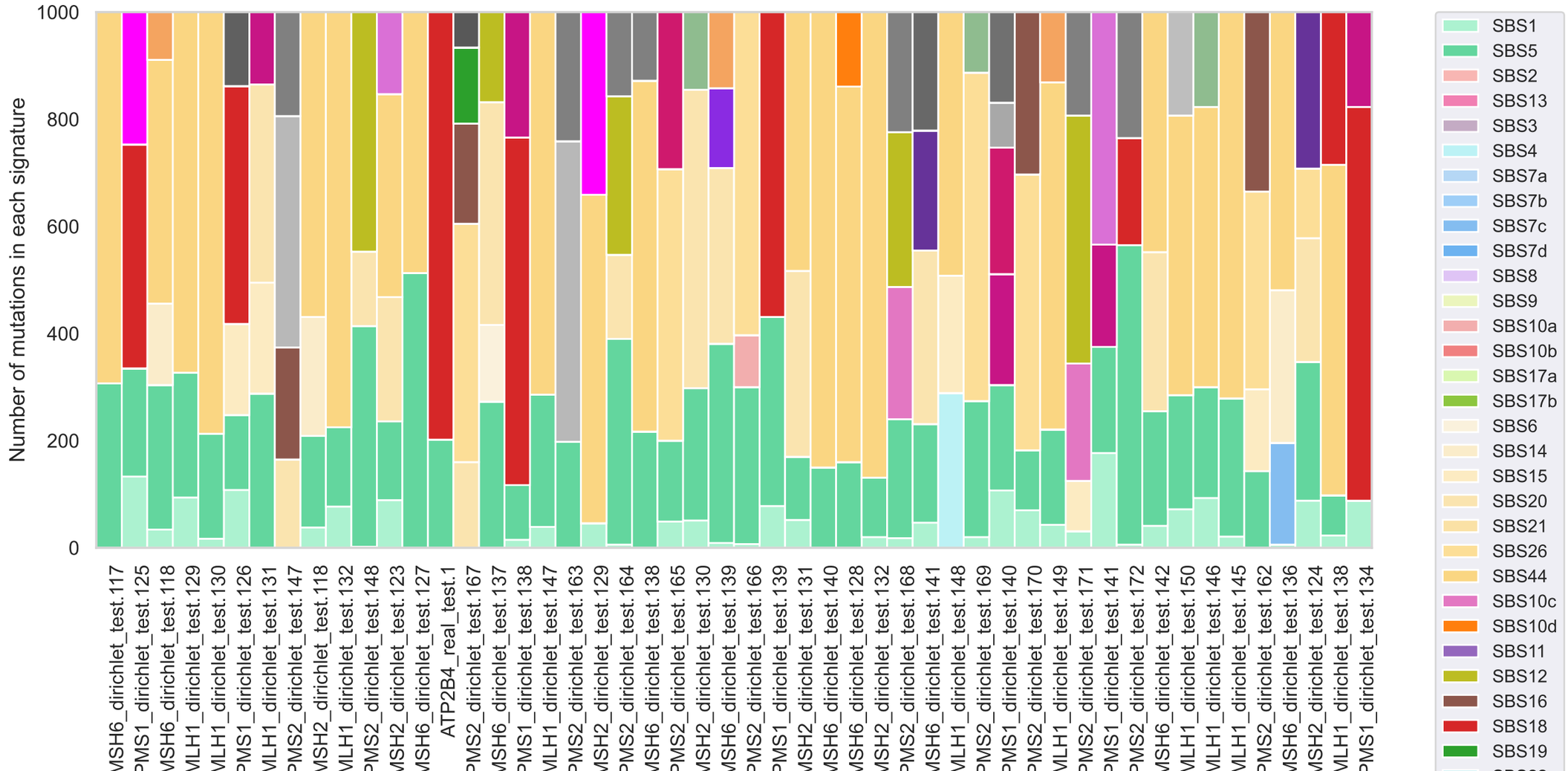
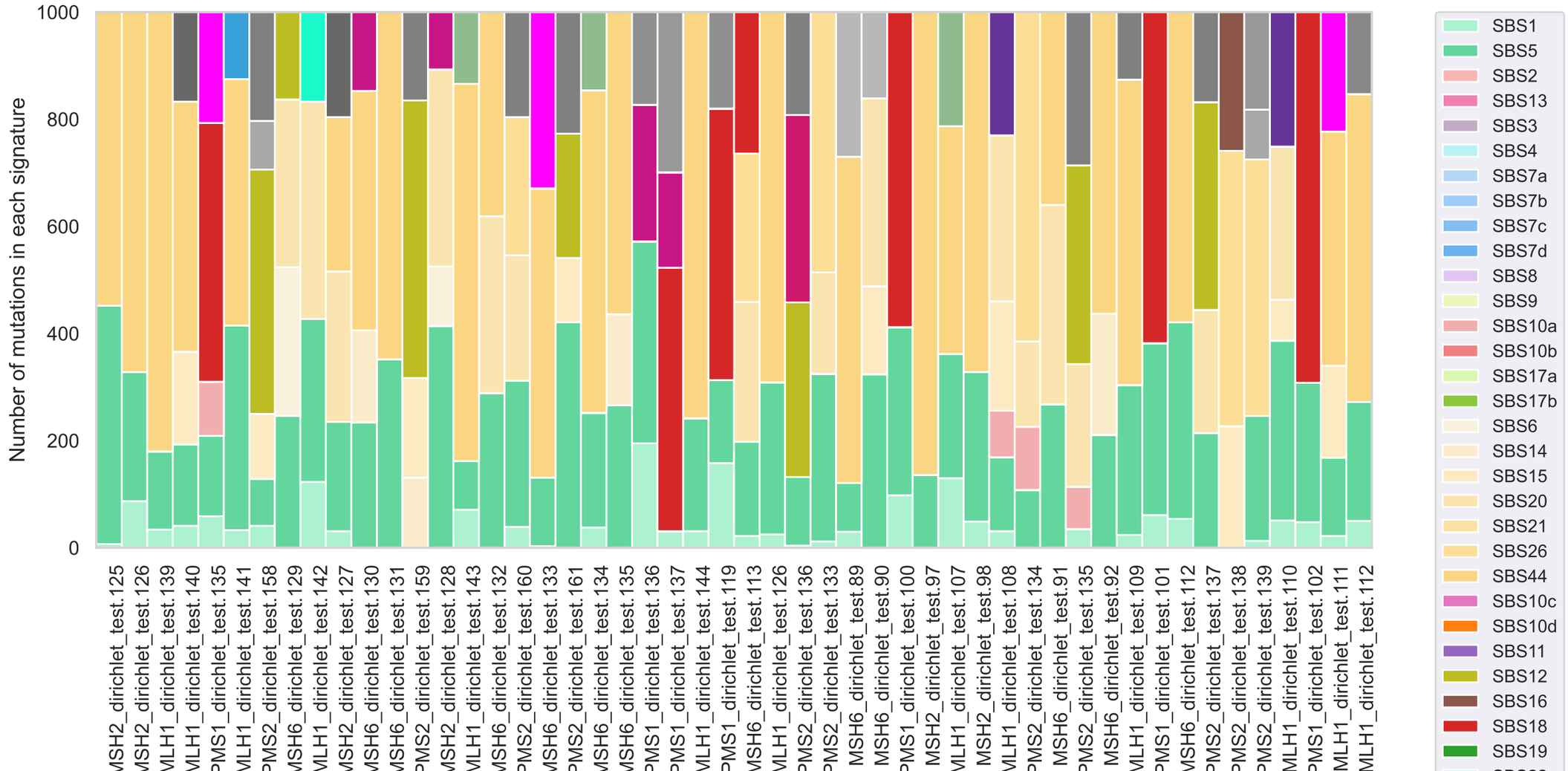
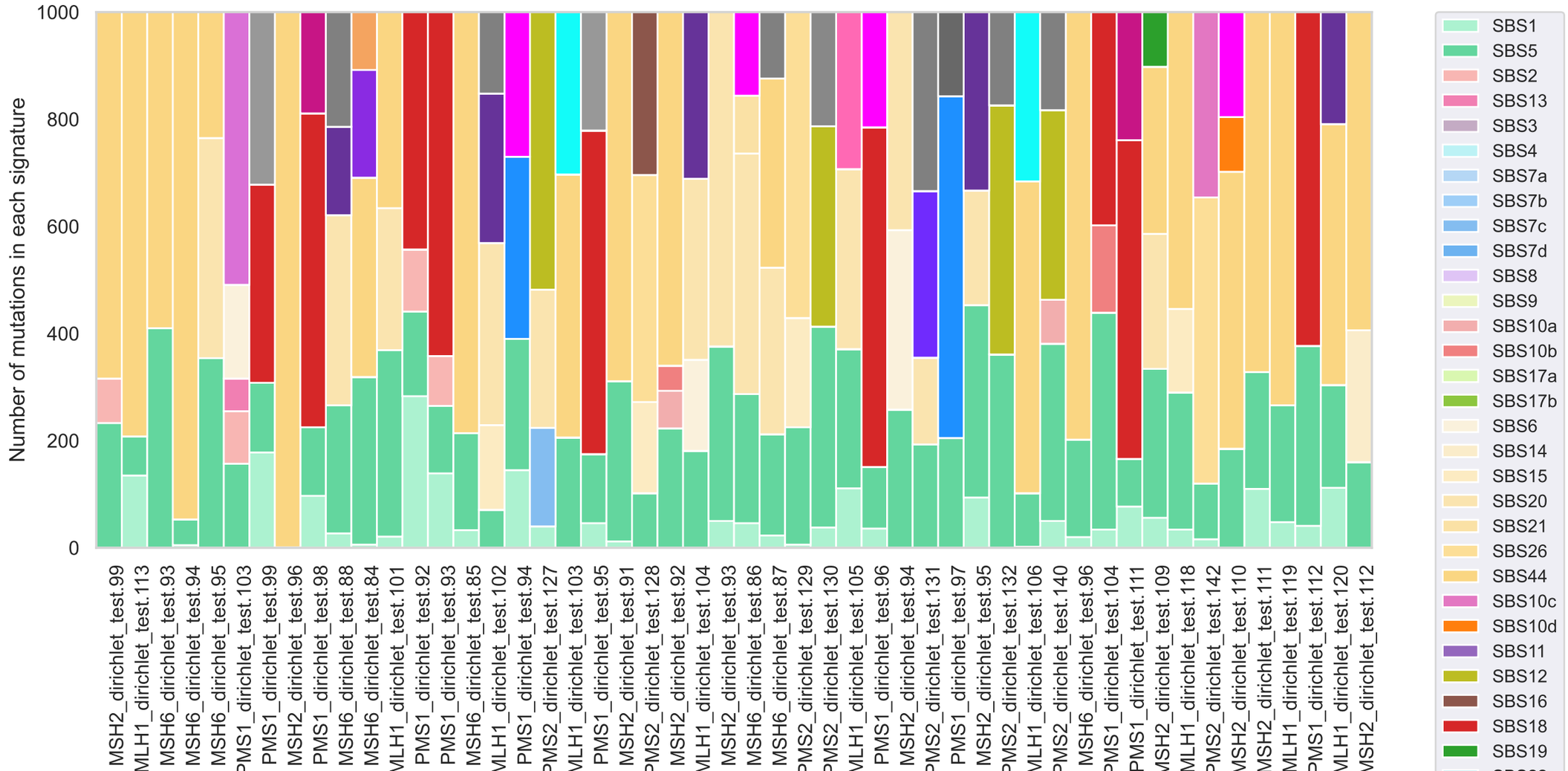
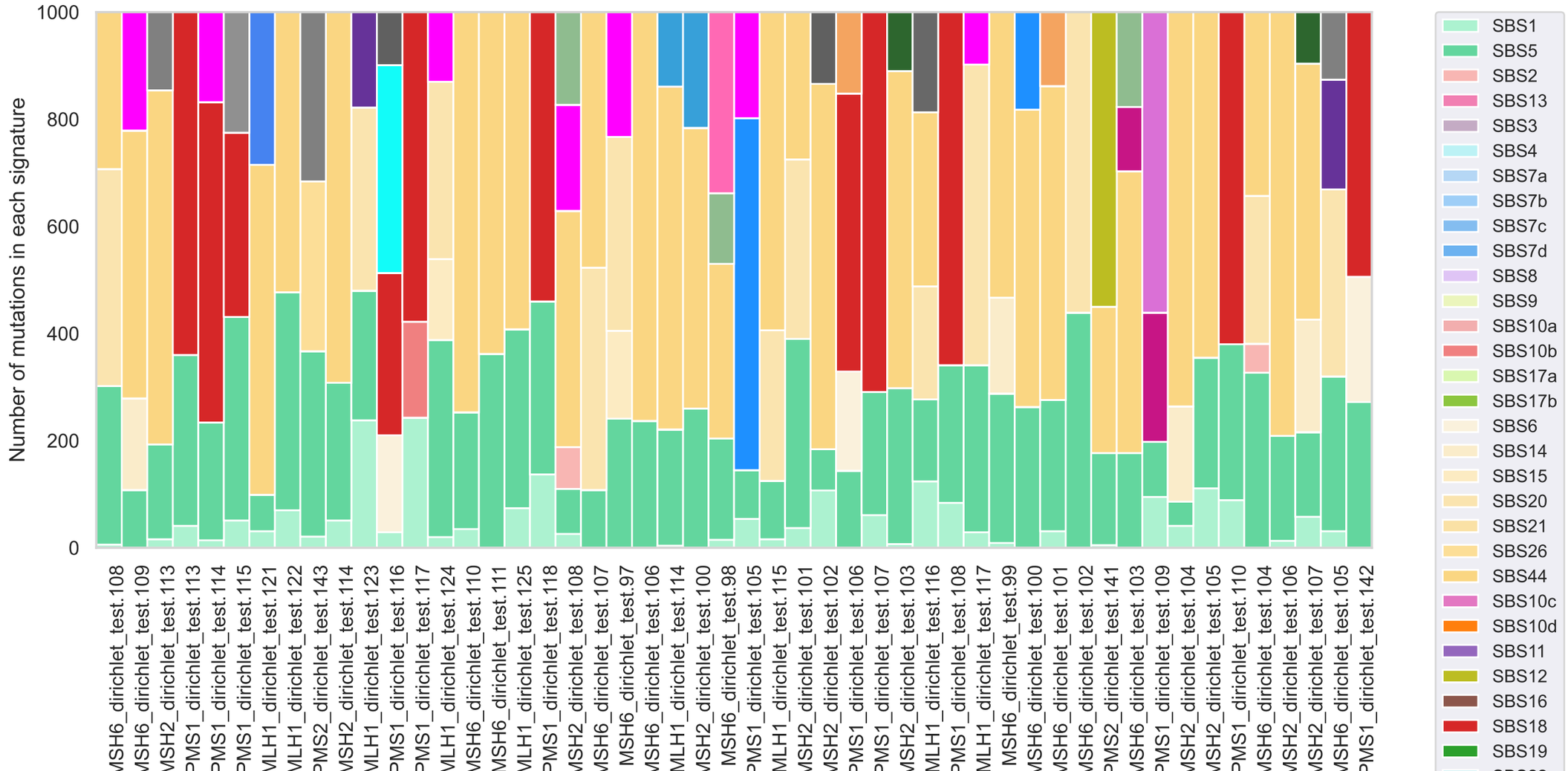
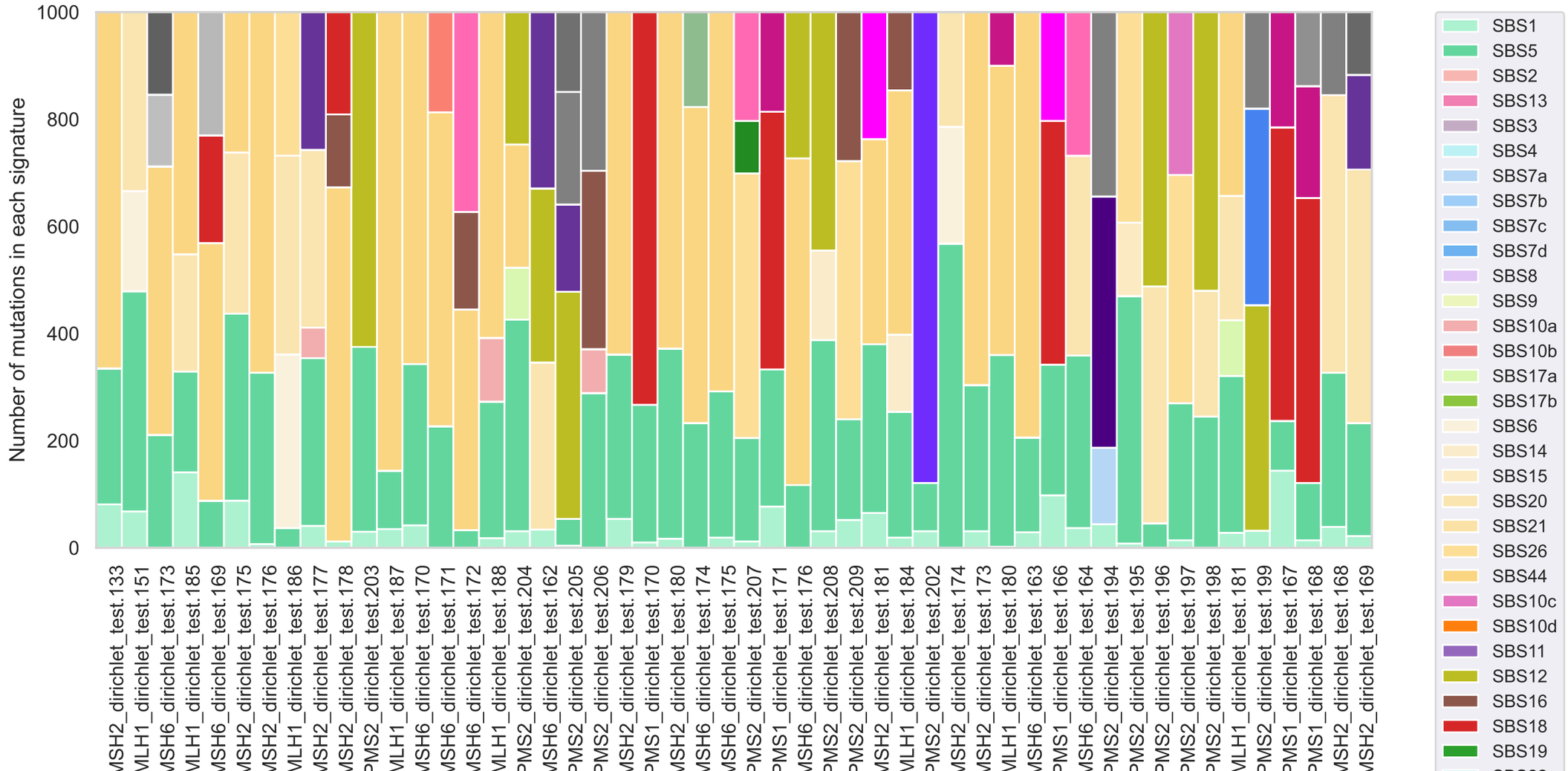

Number of mutations in each signature
1000
800
600
400
200
0
ATP2B4_real_test
MSH6_dirichlet_test.124
MSH2_dirichlet_test.120
PMS2_dirichlet_test.149
PMS1_dirichlet_test.129
MSH6_dirichlet_test.120
PMS1_dirichlet_test.130
MSH6_dirichlet_test.121
MSH6_dirichlet_test.122
MSH6_dirichlet_test.123
PMS2_dirichlet_test.150
PMS2_dirichlet_test.151
PMS2_dirichlet_test.152
PMS2_dirichlet_test.153
MLH1_dirichlet_test.133
MLH1_dirichlet_test.134
PMS1_dirichlet_test.133
PMS2_dirichlet_test.154
MSH2_dirichlet_test.121
MLH1_dirichlet_test.135
MLH1_dirichlet_test.136
MLH1_dirichlet_test.137
PMS1_dirichlet_test.131
MSH2_dirichlet_test.122
PMS1_dirichlet_test.132
MSH6_dirichlet_test.125
PMS2_dirichlet_test.155
PMS2_dirichlet_test.156
MSH6_dirichlet_test.126
PMS2_dirichlet_test.157
MSH6_dirichlet_test.119
PMS1_dirichlet_test.128
MSH2_dirichlet_test.119
PMS1_dirichlet_test.127
PMS2_dirichlet_test.144
MLH1_dirichlet_test.127
PMS1_dirichlet_test.120
PMS1_dirichlet_test.121
MSH2_dirichlet_test.115
PMS1_dirichlet_test.122
MSH6_dirichlet_test.114
MLH1_dirichlet_test.128
PMS2_dirichlet_test.145
PMS1_dirichlet_test.123
MSH6_dirichlet_test.115
PMS1_dirichlet_test.124
MSH6_dirichlet_test.116
MSH2_dirichlet_test.116
MSH2_dirichlet_test.117
PMS2_dirichlet_test.146
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

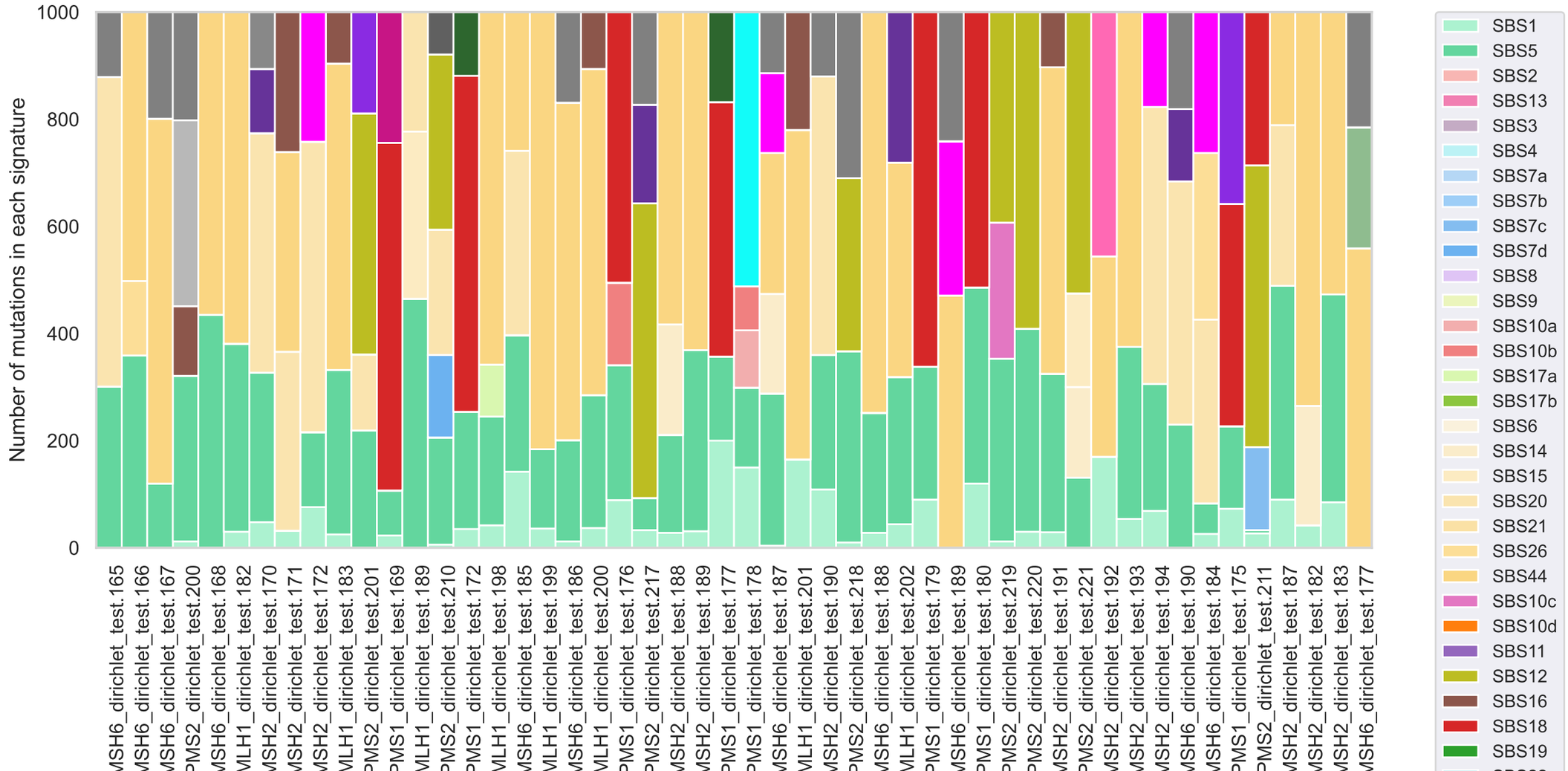

Number of mutations in each signature
1000
800
600
400
200
0
MSH6_dirichlet_test.117
PMS1_dirichlet_test.125
MSH6_dirichlet_test.118
MLH1_dirichlet_test.129
MLH1_dirichlet_test.130
PMS1_dirichlet_test.126
MLH1_dirichlet_test.131
PMS2_dirichlet_test.147
MSH2_dirichlet_test.118
MLH1_dirichlet_test.132
PMS2_dirichlet_test.148
MSH2_dirichlet_test.123
MSH6_dirichlet_test.127
ATP2B4_real_test.1
PMS2_dirichlet_test.167
MSH6_dirichlet_test.137
PMS1_dirichlet_test.138
MLH1_dirichlet_test.147
PMS2_dirichlet_test.163
MSH2_dirichlet_test.129
PMS2_dirichlet_test.164
MSH6_dirichlet_test.138
PMS2_dirichlet_test.165
MSH2_dirichlet_test.130
MSH6_dirichlet_test.139
PMS2_dirichlet_test.166
PMS1_dirichlet_test.139
MSH2_dirichlet_test.131
MSH6_dirichlet_test.140
MSH6_dirichlet_test.128
MSH2_dirichlet_test.132
PMS2_dirichlet_test.168
MSH6_dirichlet_test.141
MLH1_dirichlet_test.148
PMS2_dirichlet_test.169
PMS1_dirichlet_test.140
PMS2_dirichlet_test.170
MLH1_dirichlet_test.149
PMS2_dirichlet_test.171
PMS1_dirichlet_test.141
PMS2_dirichlet_test.172
MSH6_dirichlet_test.142
MLH1_dirichlet_test.150
MLH1_dirichlet_test.146
MLH1_dirichlet_test.145
PMS2_dirichlet_test.162
MSH6_dirichlet_test.136
MSH2_dirichlet_test.124
MLH1_dirichlet_test.138
PMS1_dirichlet_test.134
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

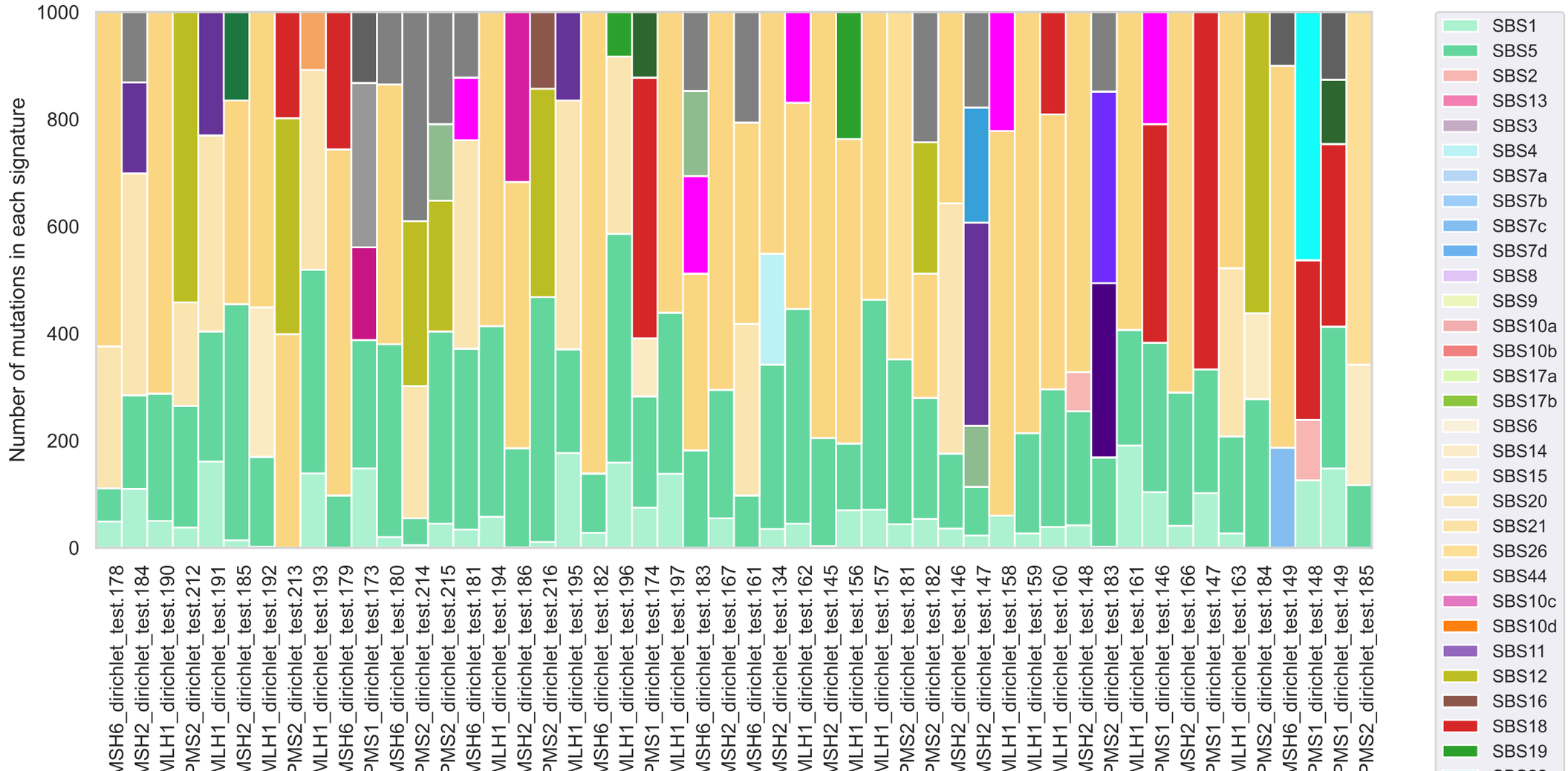

Number of mutations in each signature
1000
800
600
400
200
0
MSH2_dirichlet_test.125
MSH2_dirichlet_test.126
VLH1_dirichlet_test.139
VLH1_dirichlet_test.140
PMS1_dirichlet_test.135
VLH1_dirichlet_test.141
PMS2_dirichlet_test.158
MSH6_dirichlet_test.129
VLH1_dirichlet_test.142
MSH2_dirichlet_test.127
MSH6_dirichlet_test.130
MSH6_dirichlet_test.131
PMS2_dirichlet_test.159
MSH2_dirichlet_test.128
VLH1_dirichlet_test.143
MSH6_dirichlet_test.132
PMS2_dirichlet_test.160
MSH6_dirichlet_test.133
PMS2_dirichlet_test.161
MSH6_dirichlet_test.134
MSH6_dirichlet_test.135
PMS1_dirichlet_test.136
PMS1_dirichlet_test.137
VLH1_dirichlet_test.144
PMS1_dirichlet_test.119
MSH6_dirichlet_test.113
VLH1_dirichlet_test.126
PMS2_dirichlet_test.136
PMS2_dirichlet_test.133
MSH6_dirichlet_test.89
MSH6_dirichlet_test.90
PMS1_dirichlet_test.100
MSH2_dirichlet_test.97
VLH1_dirichlet_test.107
MSH2_dirichlet_test.98
VLH1_dirichlet_test.108
PMS2_dirichlet_test.134
MSH6_dirichlet_test.91
PMS2_dirichlet_test.135
MSH6_dirichlet_test.92
VLH1_dirichlet_test.109
PMS1_dirichlet_test.101
MSH6_dirichlet_test.112
PMS2_dirichlet_test.137
PMS2_dirichlet_test.138
PMS2_dirichlet_test.139
MLH1_dirichlet_test.110
PMS1_dirichlet_test.102
MLH1_dirichlet_test.111
MLH1_dirichlet_test.112
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

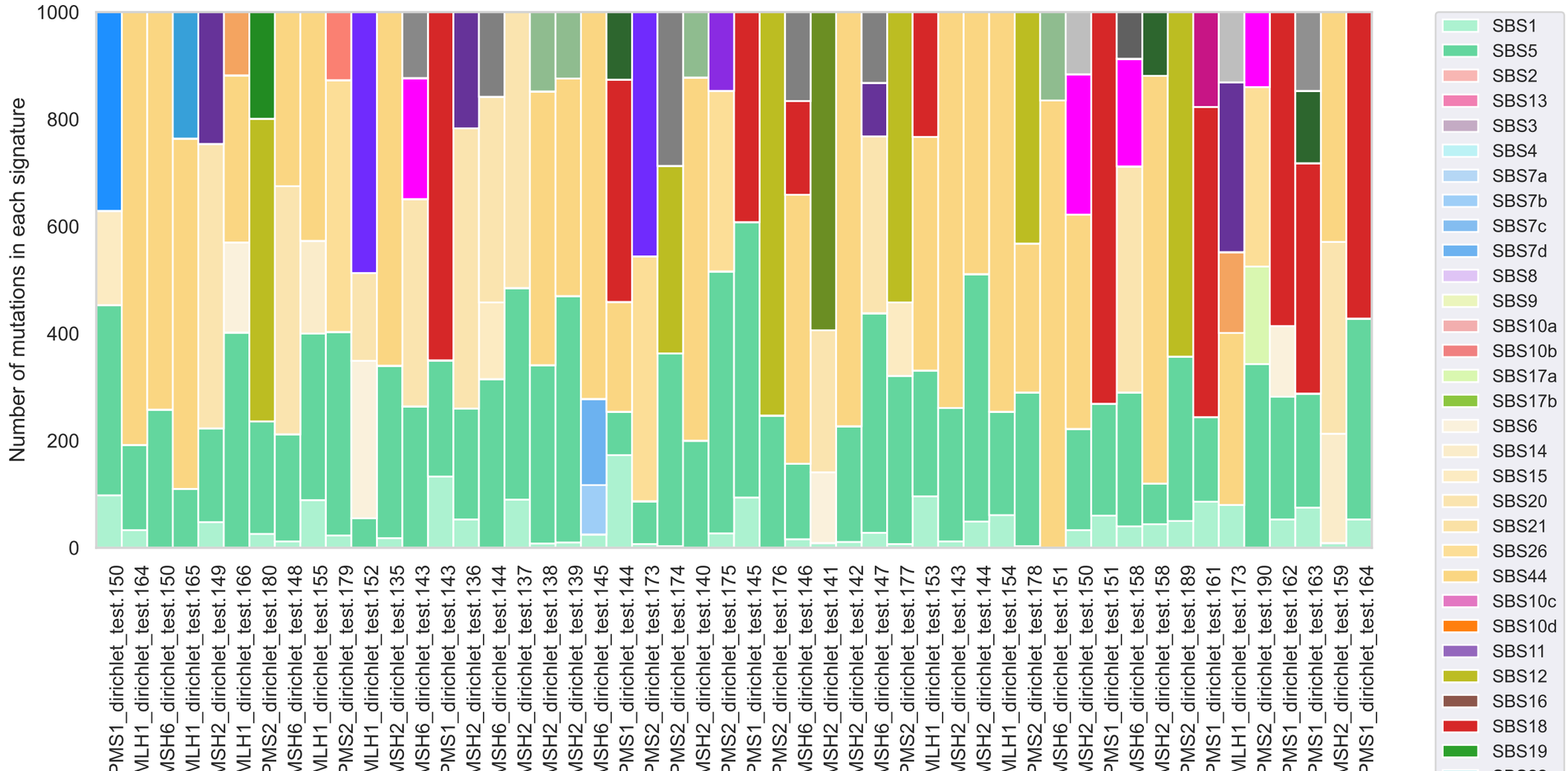

Number of mutations in each signature
1000
800
600
400
200
0
MSH2_dirichlet_test.99
MLH1_dirichlet_test.113
MSH6_dirichlet_test.93
MSH6_dirichlet_test.94
MSH6_dirichlet_test.95
PMS1_dirichlet_test.103
PMS1_dirichlet_test.99
MSH2_dirichlet_test.96
PMS1_dirichlet_test.98
MSH6_dirichlet_test.88
MSH6_dirichlet_test.84
MLH1_dirichlet_test.101
PMS1_dirichlet_test.92
PMS1_dirichlet_test.93
MSH6_dirichlet_test.85
MLH1_dirichlet_test.102
PMS1_dirichlet_test.94
PMS2_dirichlet_test.127
MLH1_dirichlet_test.103
PMS1_dirichlet_test.95
MSH2_dirichlet_test.91
PMS2_dirichlet_test.128
MSH2_dirichlet_test.92
MLH1_dirichlet_test.104
MSH2_dirichlet_test.93
MSH6_dirichlet_test.86
MSH6_dirichlet_test.87
PMS2_dirichlet_test.129
PMS2_dirichlet_test.130
MLH1_dirichlet_test.105
PMS1_dirichlet_test.96
MSH2_dirichlet_test.94
PMS2_dirichlet_test.131
PMS1_dirichlet_test.97
MSH2_dirichlet_test.95
PMS2_dirichlet_test.132
MLH1_dirichlet_test.106
PMS2_dirichlet_test.140
MSH6_dirichlet_test.96
PMS1_dirichlet_test.104
PMS1_dirichlet_test.111
MSH2_dirichlet_test.109
MLH1_dirichlet_test.118
PMS2_dirichlet_test.142
MSH2_dirichlet_test.110
MSH2_dirichlet_test.111
MLH1_dirichlet_test.119
PMS1_dirichlet_test.112
MLH1_dirichlet_test.120
MSH2_dirichlet_test.112
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

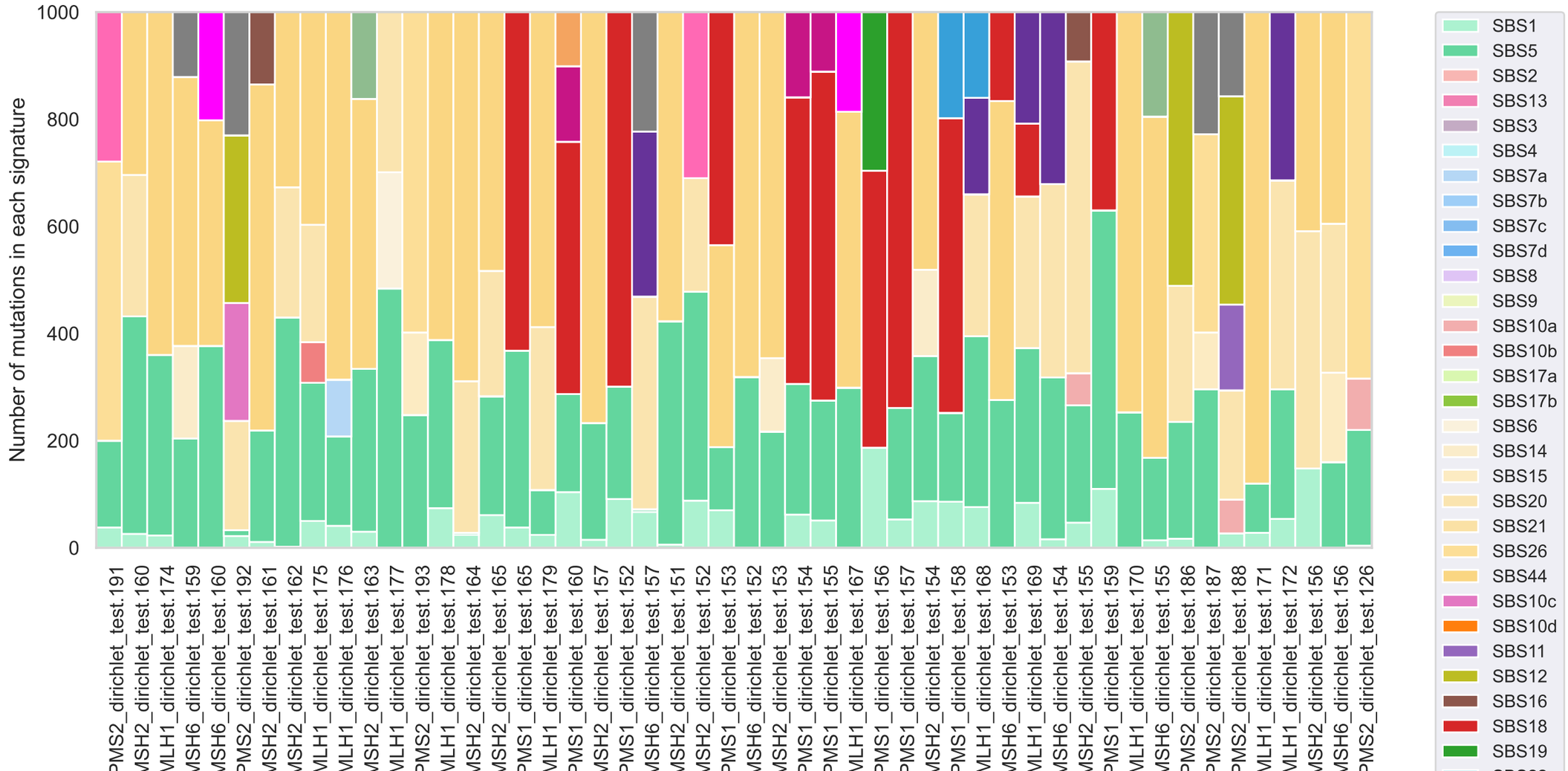

Number of mutations in each signature
1000
800
600
400
200
0
MSH6_dirichlet_test.108
MSH6_dirichlet_test.109
MSH2_dirichlet_test.113
PMS1_dirichlet_test.113
PMS1_dirichlet_test.114
PMS1_dirichlet_test.115
MLH1_dirichlet_test.121
MLH1_dirichlet_test.122
PMS2_dirichlet_test.143
MSH2_dirichlet_test.114
MLH1_dirichlet_test.123
PMS1_dirichlet_test.116
PMS1_dirichlet_test.117
MLH1_dirichlet_test.124
MSH6_dirichlet_test.110
MSH6_dirichlet_test.111
MLH1_dirichlet_test.125
PMS1_dirichlet_test.118
MSH2_dirichlet_test.108
MSH6_dirichlet_test.107
MSH6_dirichlet_test.97
MSH6_dirichlet_test.106
MLH1_dirichlet_test.114
MSH2_dirichlet_test.100
MSH6_dirichlet_test.98
PMS1_dirichlet_test.105
MLH1_dirichlet_test.115
MSH2_dirichlet_test.101
MSH2_dirichlet_test.102
PMS1_dirichlet_test.106
PMS1_dirichlet_test.107
MSH2_dirichlet_test.103
MLH1_dirichlet_test.116
PMS1_dirichlet_test.108
MLH1_dirichlet_test.117
MSH6_dirichlet_test.99
MSH6_dirichlet_test.100
MSH6_dirichlet_test.101
MSH6_dirichlet_test.102
PMS2_dirichlet_test.141
MSH6_dirichlet_test.103
PMS1_dirichlet_test.109
MSH2_dirichlet_test.104
MSH2_dirichlet_test.105
PMS1_dirichlet_test.110
MSH6_dirichlet_test.104
MSH2_dirichlet_test.106
MSH2_dirichlet_test.107
MSH6_dirichlet_test.105
PMS1_dirichlet_test.142
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

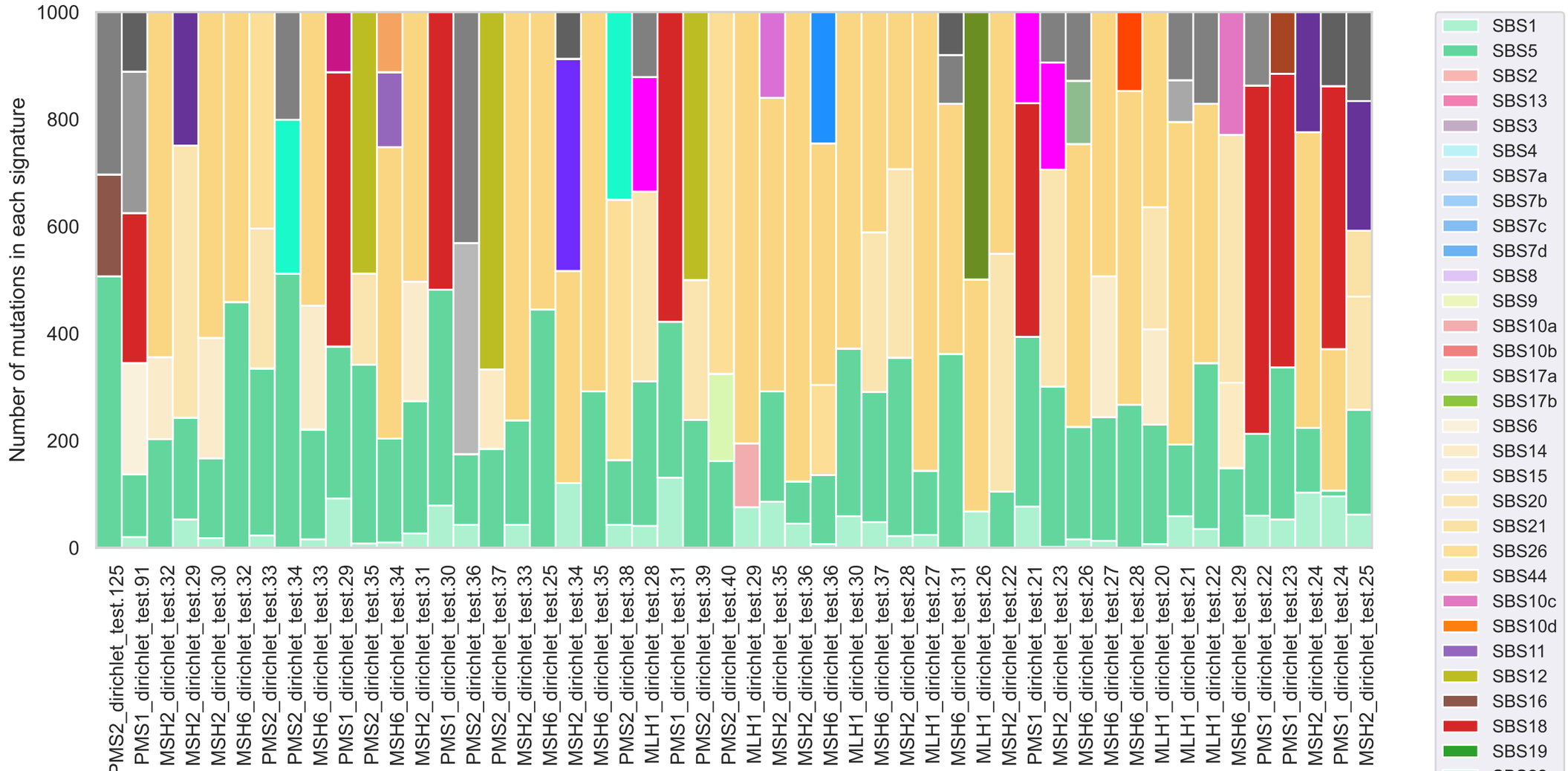

Number of mutations in each signature
1000
800
600
400
200
0
MSH2_dirichlet_test.133
VLH1_dirichlet_test.151
MSH6_dirichlet_test.173
VLH1_dirichlet_test.185
MSH6_dirichlet_test.169
MSH2_dirichlet_test.175
MSH2_dirichlet_test.176
VLH1_dirichlet_test.186
MSH2_dirichlet_test.177
MSH2_dirichlet_test.178
PMS2_dirichlet_test.203
VLH1_dirichlet_test.187
MSH6_dirichlet_test.170
MSH6_dirichlet_test.171
MSH6_dirichlet_test.172
VLH1_dirichlet_test.188
PMS2_dirichlet_test.204
MSH6_dirichlet_test.162
PMS2_dirichlet_test.205
PMS2_dirichlet_test.206
MSH2_dirichlet_test.179
PMS1_dirichlet_test.170
MSH2_dirichlet_test.180
MSH6_dirichlet_test.174
MSH6_dirichlet_test.175
PMS2_dirichlet_test.207
PMS1_dirichlet_test.171
MSH6_dirichlet_test.176
PMS2_dirichlet_test.208
PMS2_dirichlet_test.209
MSH2_dirichlet_test.181
VLH1_dirichlet_test.184
PMS2_dirichlet_test.202
MSH2_dirichlet_test.174
MSH2_dirichlet_test.173
VLH1_dirichlet_test.180
MSH6_dirichlet_test.163
PMS1_dirichlet_test.166
MSH6_dirichlet_test.164
PMS2_dirichlet_test.194
PMS2_dirichlet_test.195
PMS2_dirichlet_test.196
PMS2_dirichlet_test.197
PMS2_dirichlet_test.198
VLH1_dirichlet_test.181
PMS2_dirichlet_test.199
PMS1_dirichlet_test.167
PMS1_dirichlet_test.168
MSH2_dirichlet_test.168
MSH2_dirichlet_test.169
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

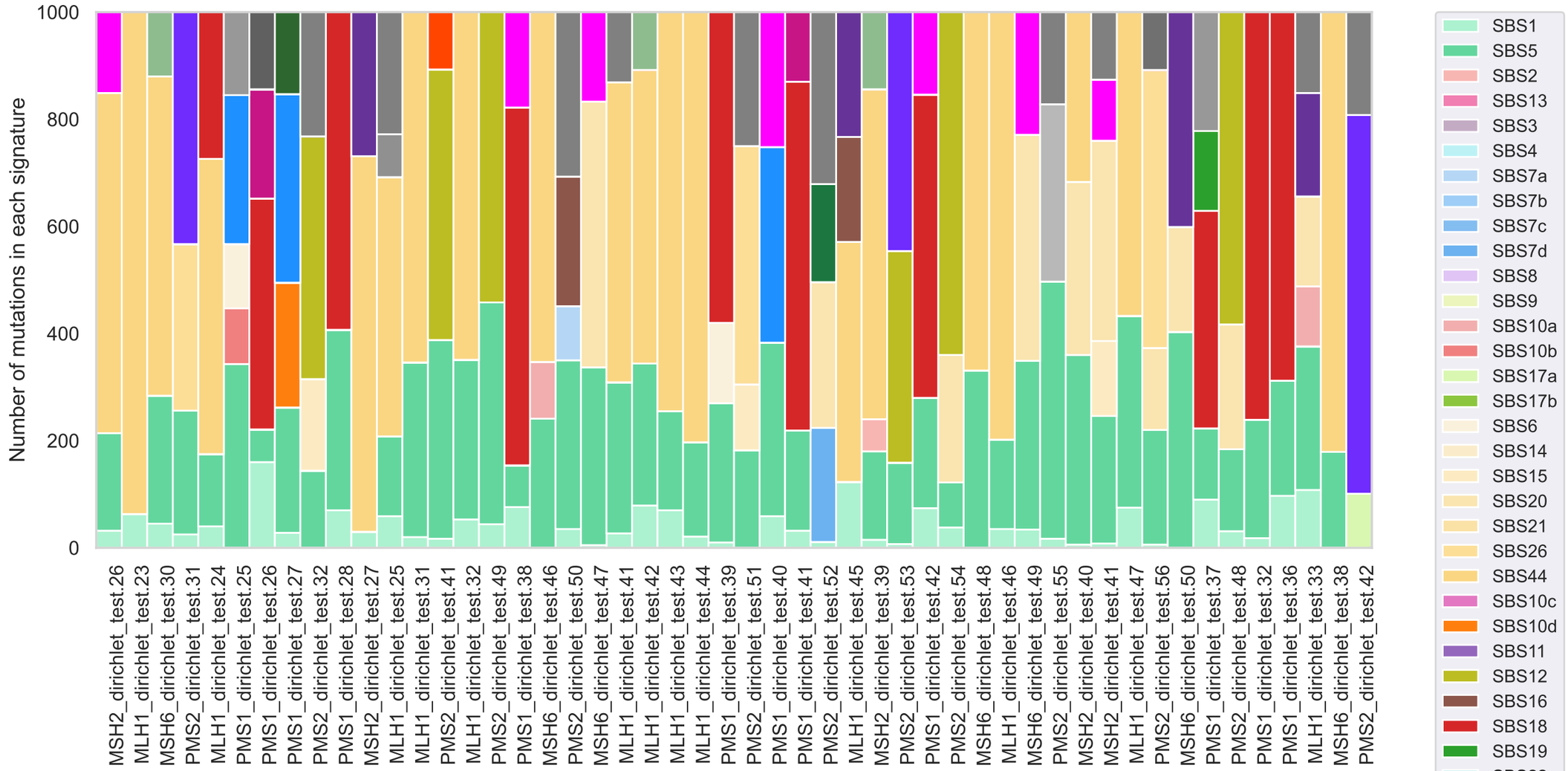

Number of mutations in each signature
1000
800
600
400
200
0
MSH6_dirichlet_test.165
MSH6_dirichlet_test.166
MSH6_dirichlet_test.167
PMS2_dirichlet_test.200
MSH6_dirichlet_test.168
MLH1_dirichlet_test.182
MSH2_dirichlet_test.170
MSH2_dirichlet_test.171
MSH2_dirichlet_test.172
MLH1_dirichlet_test.183
PMS2_dirichlet_test.201
PMS1_dirichlet_test.169
MLH1_dirichlet_test.189
PMS2_dirichlet_test.210
PMS1_dirichlet_test.172
MLH1_dirichlet_test.198
MSH6_dirichlet_test.185
MLH1_dirichlet_test.199
MSH6_dirichlet_test.186
MLH1_dirichlet_test.200
PMS1_dirichlet_test.176
PMS2_dirichlet_test.217
MSH2_dirichlet_test.188
MSH2_dirichlet_test.189
PMS1_dirichlet_test.177
PMS1_dirichlet_test.178
MSH6_dirichlet_test.187
MLH1_dirichlet_test.201
MSH2_dirichlet_test.190
PMS2_dirichlet_test.218
MSH6_dirichlet_test.188
MLH1_dirichlet_test.202
PMS1_dirichlet_test.179
MSH6_dirichlet_test.189
PMS1_dirichlet_test.180
PMS2_dirichlet_test.219
PMS2_dirichlet_test.220
MSH2_dirichlet_test.191
PMS2_dirichlet_test.221
MSH2_dirichlet_test.192
MSH2_dirichlet_test.193
MSH2_dirichlet_test.194
MSH6_dirichlet_test.190
MSH6_dirichlet_test.184
PMS1_dirichlet_test.175
PMS2_dirichlet_test.211
MSH2_dirichlet_test.187
MSH2_dirichlet_test.182
MSH2_dirichlet_test.183
MSH6_dirichlet_test.177
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

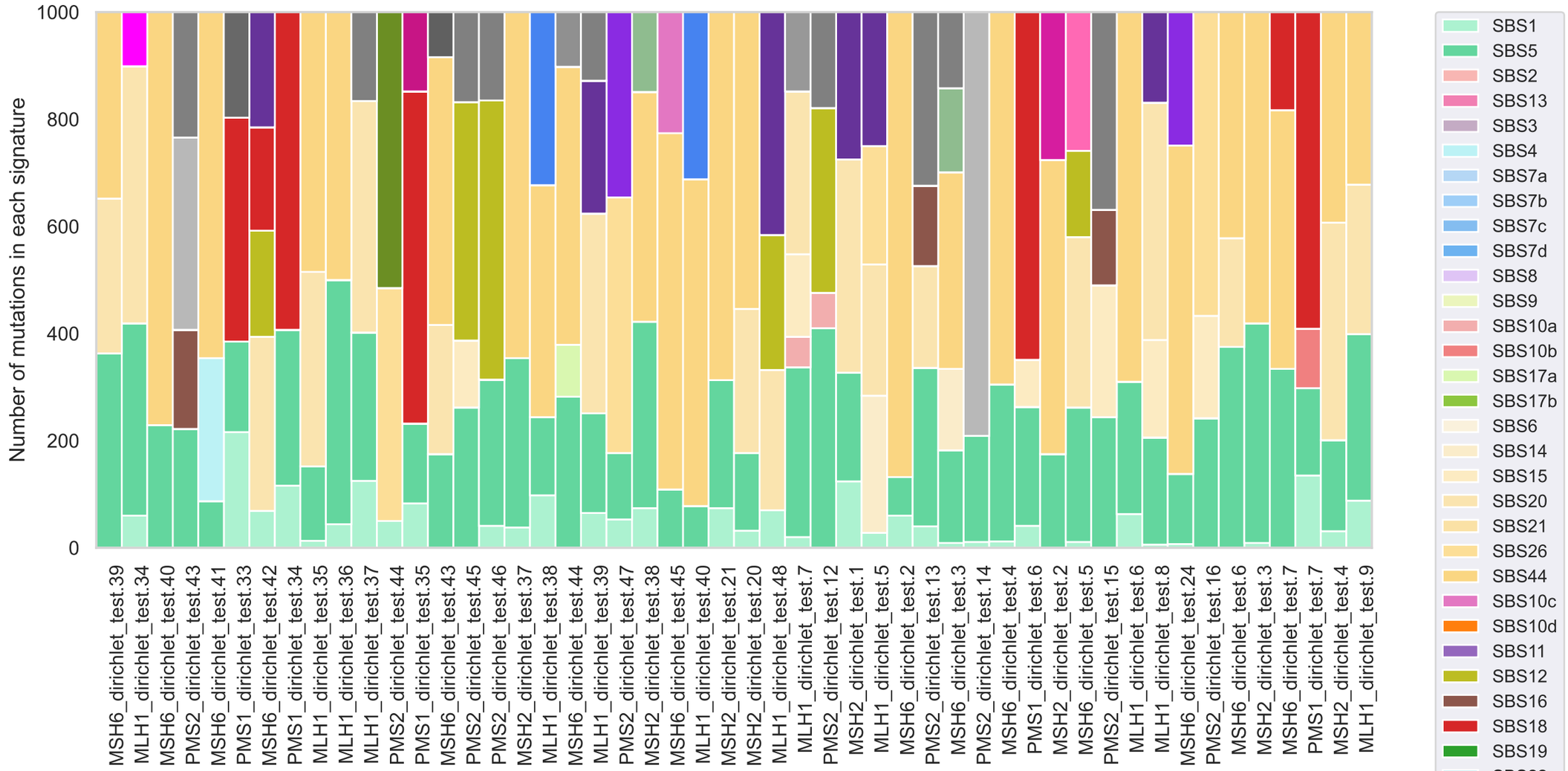

Number of mutations in each signature
1000
800
600
400
200
0
MSH6_dirichlet_test.178
MSH2_dirichlet_test.184
MLH1_dirichlet_test.190
PMS2_dirichlet_test.212
MLH1_dirichlet_test.191
MSH2_dirichlet_test.185
MLH1_dirichlet_test.192
PMS2_dirichlet_test.213
MLH1_dirichlet_test.193
MSH6_dirichlet_test.179
PMS1_dirichlet_test.173
MSH6_dirichlet_test.180
PMS2_dirichlet_test.214
PMS2_dirichlet_test.215
MSH6_dirichlet_test.181
MLH1_dirichlet_test.194
MSH2_dirichlet_test.186
PMS2_dirichlet_test.216
MLH1_dirichlet_test.195
MSH6_dirichlet_test.182
MLH1_dirichlet_test.196
PMS1_dirichlet_test.174
MLH1_dirichlet_test.197
MSH6_dirichlet_test.183
MSH2_dirichlet_test.167
MSH6_dirichlet_test.161
MSH2_dirichlet_test.134
MLH1_dirichlet_test.162
MSH2_dirichlet_test.145
MLH1_dirichlet_test.156
MLH1_dirichlet_test.157
PMS2_dirichlet_test.181
PMS2_dirichlet_test.182
MSH2_dirichlet_test.146
MSH2_dirichlet_test.147
MLH1_dirichlet_test.158
MLH1_dirichlet_test.159
MLH1_dirichlet_test.160
MSH2_dirichlet_test.148
PMS2_dirichlet_test.183
MLH1_dirichlet_test.161
PMS1_dirichlet_test.146
MSH2_dirichlet_test.166
PMS1_dirichlet_test.147
MLH1_dirichlet_test.163
PMS2_dirichlet_test.184
MSH6_dirichlet_test.149
PMS1_dirichlet_test.148
PMS1_dirichlet_test.149
PMS2_dirichlet_test.185
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

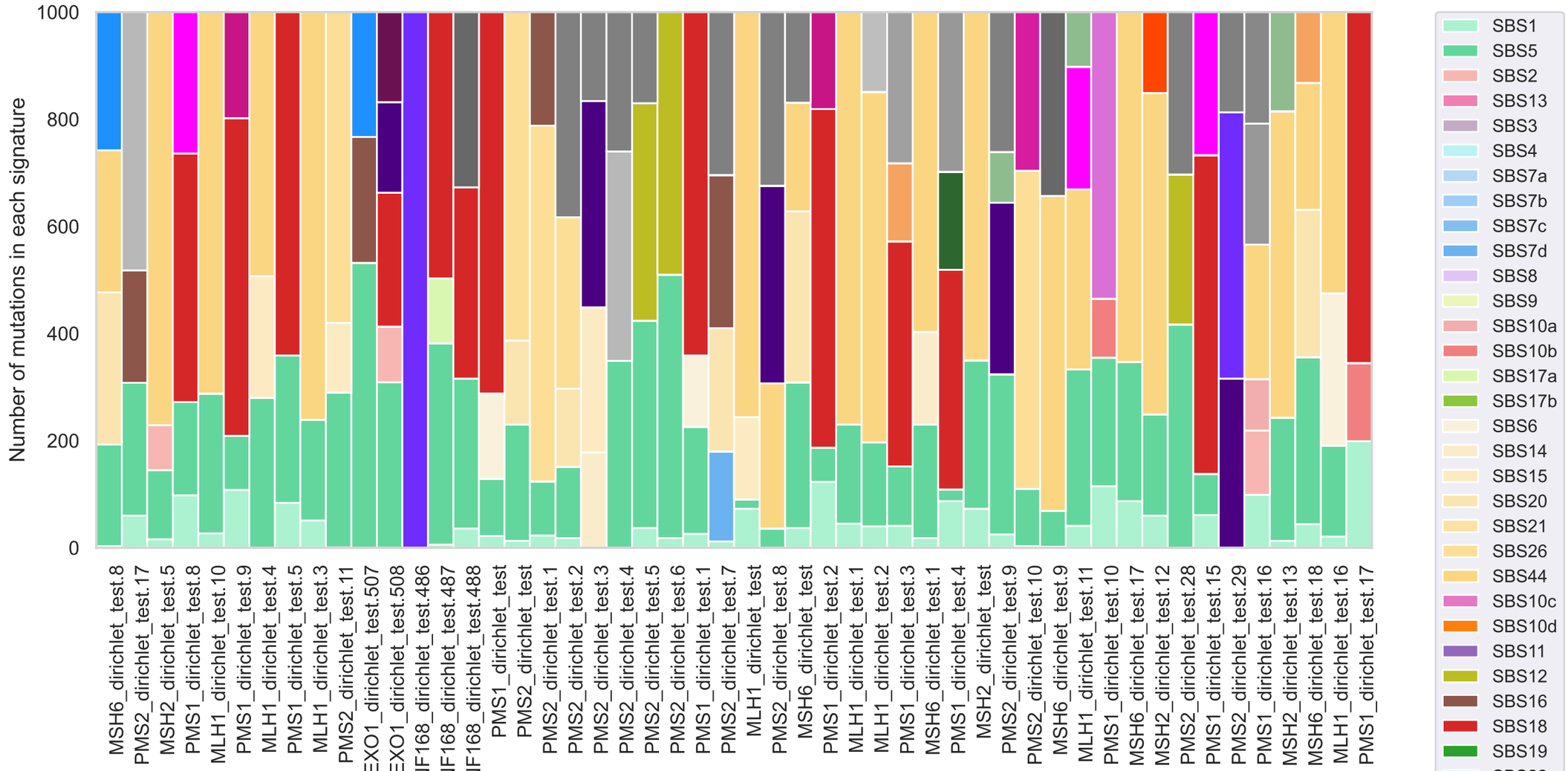

Number of mutations in each signature
1000
800
600
400
200
0
PMS1_dirichlet_test.150
MLH1_dirichlet_test.164
MSH6_dirichlet_test.150
MLH1_dirichlet_test.165
MSH2_dirichlet_test.149
MLH1_dirichlet_test.166
PMS2_dirichlet_test.180
MSH6_dirichlet_test.148
MLH1_dirichlet_test.155
PMS2_dirichlet_test.179
MLH1_dirichlet_test.152
MSH2_dirichlet_test.135
MSH6_dirichlet_test.143
PMS1_dirichlet_test.143
MSH2_dirichlet_test.136
MSH6_dirichlet_test.144
MSH2_dirichlet_test.137
MSH2_dirichlet_test.138
MSH2_dirichlet_test.139
MSH6_dirichlet_test.145
PMS1_dirichlet_test.144
PMS2_dirichlet_test.173
PMS2_dirichlet_test.174
MSH2_dirichlet_test.140
PMS2_dirichlet_test.175
PMS1_dirichlet_test.145
PMS2_dirichlet_test.176
MSH6_dirichlet_test.146
MSH2_dirichlet_test.141
MSH2_dirichlet_test.142
MSH6_dirichlet_test.147
PMS2_dirichlet_test.177
MLH1_dirichlet_test.153
MSH2_dirichlet_test.143
MSH2_dirichlet_test.144
MLH1_dirichlet_test.154
PMS2_dirichlet_test.178
MSH6_dirichlet_test.151
MSH2_dirichlet_test.150
PMS1_dirichlet_test.151
MSH6_dirichlet_test.158
MSH2_dirichlet_test.158
PMS2_dirichlet_test.189
PMS1_dirichlet_test.161
MLH1_dirichlet_test.173
PMS2_dirichlet_test.190
PMS1_dirichlet_test.162
PMS1_dirichlet_test.163
MSH2_dirichlet_test.159
PMS1_dirichlet_test.164
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

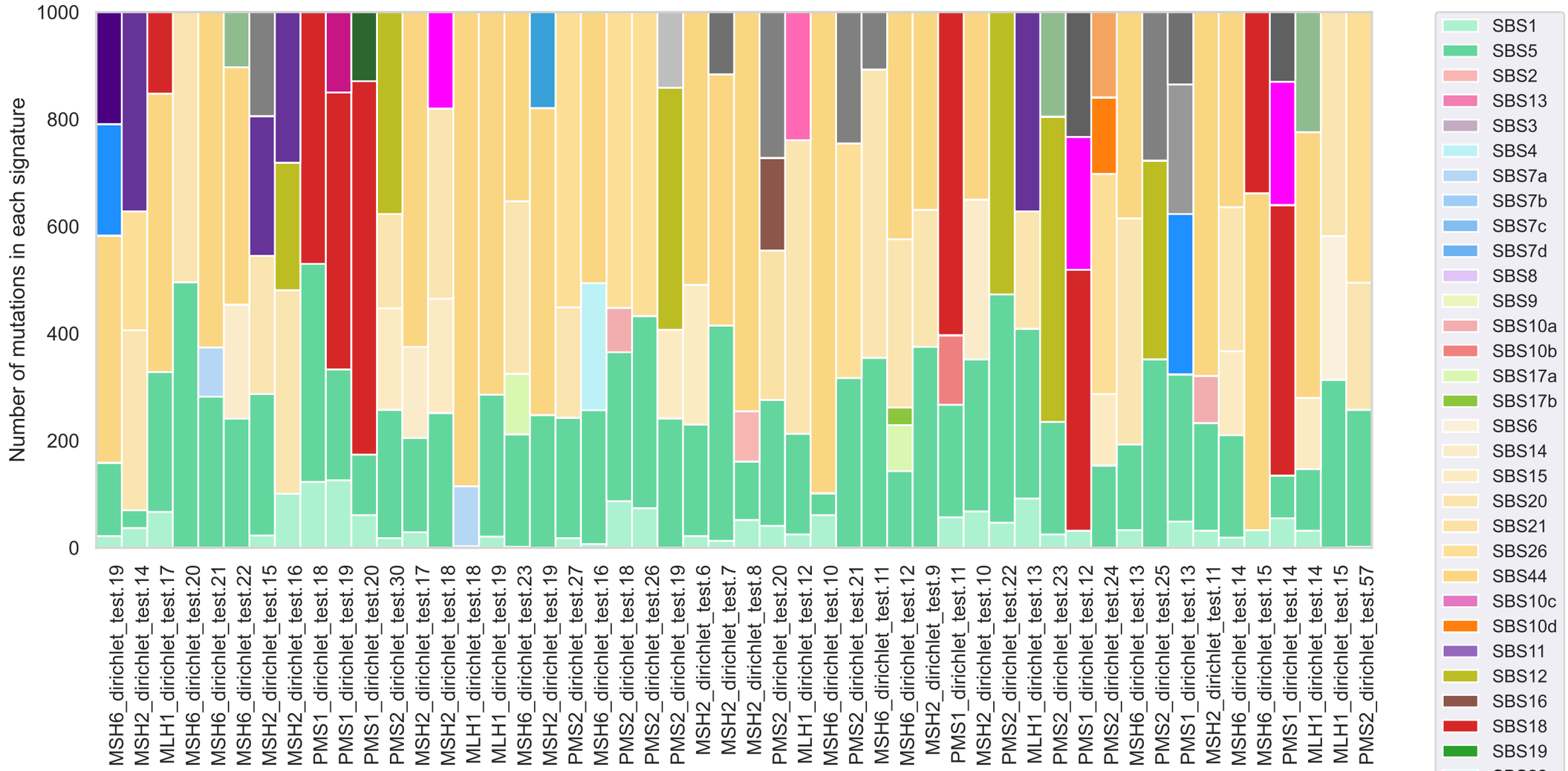

Number of mutations in each signature
1000
800
600
400
200
0
PMS2_dirichlet_test.191
MSH2_dirichlet_test.160
MLH1_dirichlet_test.174
MSH6_dirichlet_test.159
MSH6_dirichlet_test.160
PMS2_dirichlet_test.192
MSH2_dirichlet_test.161
MSH2_dirichlet_test.162
MLH1_dirichlet_test.175
MLH1_dirichlet_test.176
MSH2_dirichlet_test.163
MLH1_dirichlet_test.177
PMS2_dirichlet_test.193
MLH1_dirichlet_test.178
MSH2_dirichlet_test.164
MSH2_dirichlet_test.165
PMS1_dirichlet_test.165
MLH1_dirichlet_test.179
PMS1_dirichlet_test.160
MSH2_dirichlet_test.157
PMS1_dirichlet_test.152
MSH6_dirichlet_test.157
MSH2_dirichlet_test.151
MSH2_dirichlet_test.152
PMS1_dirichlet_test.153
MSH6_dirichlet_test.152
MSH2_dirichlet_test.153
PMS1_dirichlet_test.154
PMS1_dirichlet_test.155
MLH1_dirichlet_test.167
PMS1_dirichlet_test.156
PMS1_dirichlet_test.157
MSH2_dirichlet_test.154
PMS1_dirichlet_test.158
MLH1_dirichlet_test.168
MSH6_dirichlet_test.153
MLH1_dirichlet_test.169
MSH6_dirichlet_test.154
MSH2_dirichlet_test.155
PMS1_dirichlet_test.159
MLH1_dirichlet_test.170
MSH6_dirichlet_test.155
PMS2_dirichlet_test.186
PMS2_dirichlet_test.187
PMS2_dirichlet_test.188
MLH1_dirichlet_test.171
MLH1_dirichlet_test.172
MSH2_dirichlet_test.156
MSH6_dirichlet_test.156
PMS2_dirichlet_test.126
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

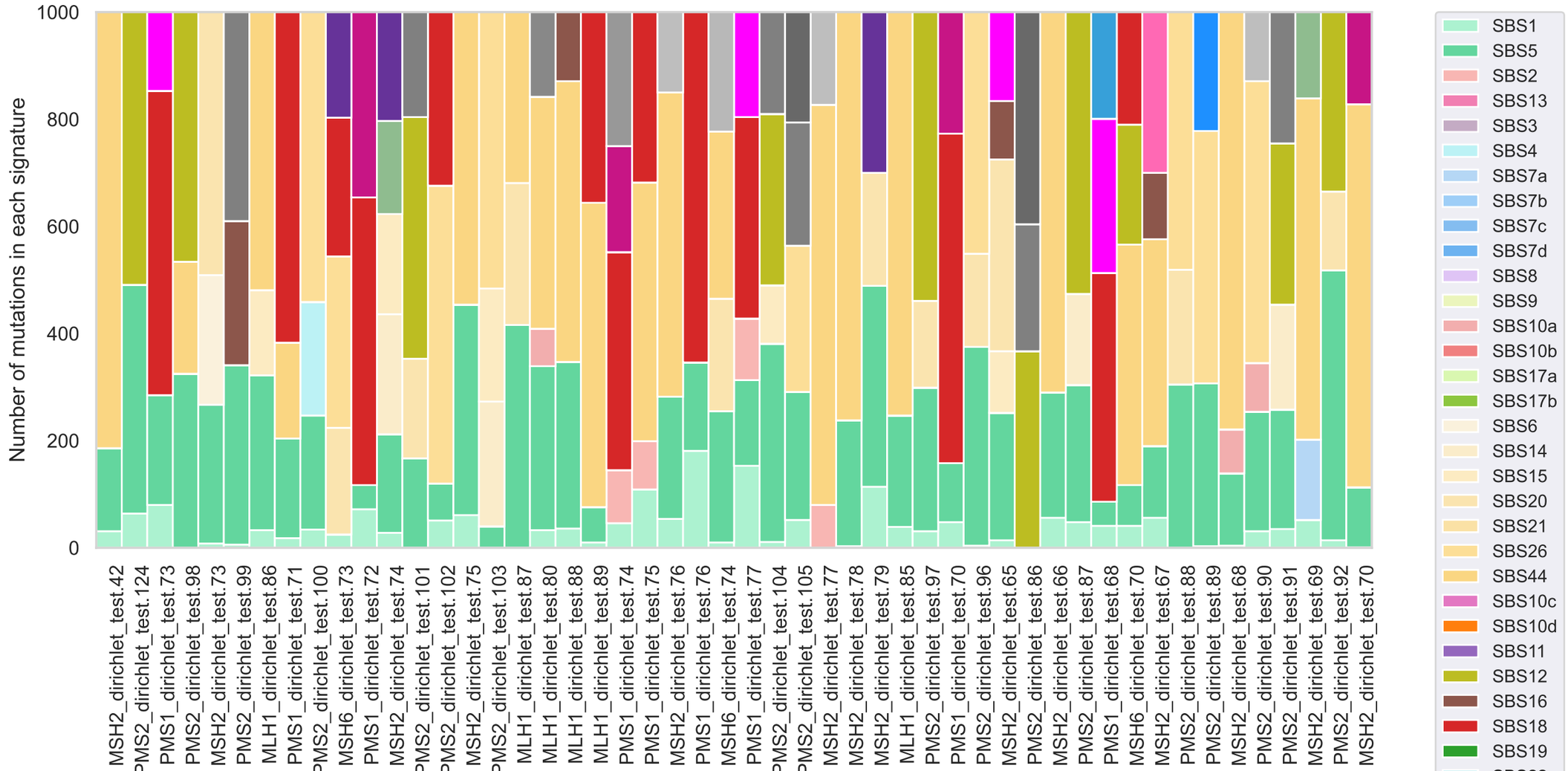

Number of mutations in each signature
1000
800
600
400
200
0
PMS2_dirichlet_test.125
PMS1_dirichlet_test.91
MSH2_dirichlet_test.32
MSH2_dirichlet_test.29
MSH2_dirichlet_test.30
MSH6_dirichlet_test.32
PMS2_dirichlet_test.33
PMS2_dirichlet_test.34
MSH6_dirichlet_test.33
PMS1_dirichlet_test.29
PMS2_dirichlet_test.35
MSH6_dirichlet_test.34
MSH2_dirichlet_test.31
PMS1_dirichlet_test.30
PMS2_dirichlet_test.36
PMS2_dirichlet_test.37
MSH2_dirichlet_test.33
MSH6_dirichlet_test.25
MSH2_dirichlet_test.34
MSH6_dirichlet_test.35
PMS2_dirichlet_test.38
MLH1_dirichlet_test.28
PMS1_dirichlet_test.31
PMS2_dirichlet_test.39
PMS2_dirichlet_test.40
MLH1_dirichlet_test.29
MSH2_dirichlet_test.35
MSH2_dirichlet_test.36
MSH6_dirichlet_test.36
MLH1_dirichlet_test.30
MSH6_dirichlet_test.37
MSH2_dirichlet_test.28
MLH1_dirichlet_test.27
MSH6_dirichlet_test.31
MLH1_dirichlet_test.26
MSH2_dirichlet_test.22
PMS1_dirichlet_test.21
MSH2_dirichlet_test.23
MSH6_dirichlet_test.26
MSH6_dirichlet_test.27
MSH6_dirichlet_test.28
MLH1_dirichlet_test.20
MLH1_dirichlet_test.21
MLH1_dirichlet_test.22
MSH6_dirichlet_test.29
PMS1_dirichlet_test.22
PMS1_dirichlet_test.23
MSH2_dirichlet_test.24
PMS1_dirichlet_test.24
MSH2_dirichlet_test.25
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

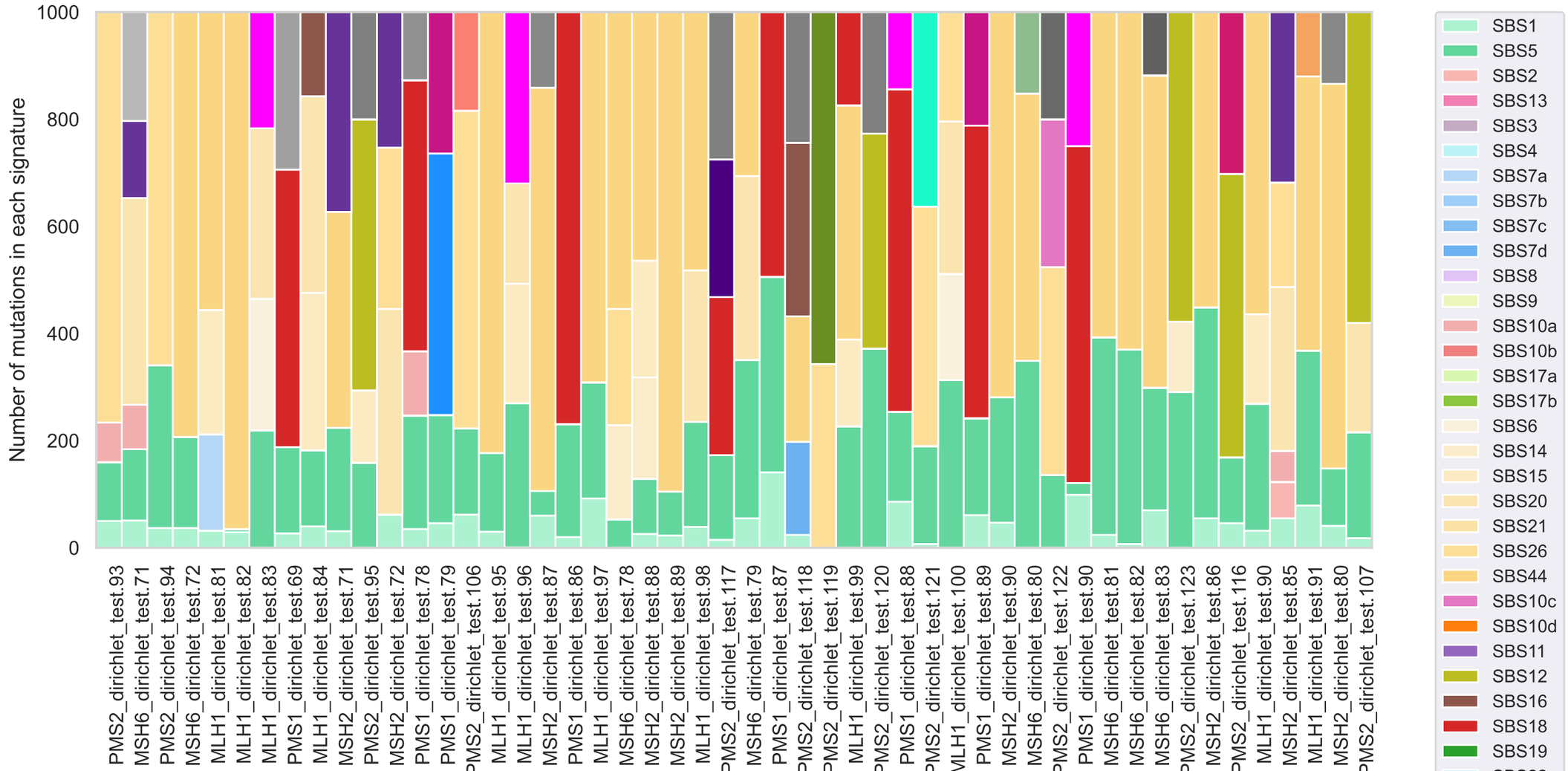

Number of mutations in each signature
1000
800
600
400
200
0
MSH2_dirichlet_test.26
MLH1_dirichlet_test.23
MSH6_dirichlet_test.30
PMS2_dirichlet_test.31
MLH1_dirichlet_test.24
PMS1_dirichlet_test.25
PMS1_dirichlet_test.26
PMS1_dirichlet_test.27
PMS2_dirichlet_test.32
PMS1_dirichlet_test.28
MSH2_dirichlet_test.27
MLH1_dirichlet_test.25
MLH1_dirichlet_test.31
PMS2_dirichlet_test.41
MLH1_dirichlet_test.32
PMS2_dirichlet_test.49
PMS1_dirichlet_test.38
MSH6_dirichlet_test.46
PMS2_dirichlet_test.50
MSH6_dirichlet_test.47
MLH1_dirichlet_test.41
MLH1_dirichlet_test.42
MLH1_dirichlet_test.43
MLH1_dirichlet_test.44
PMS1_dirichlet_test.39
PMS2_dirichlet_test.51
PMS1_dirichlet_test.40
PMS1_dirichlet_test.41
PMS2_dirichlet_test.52
MLH1_dirichlet_test.45
MSH2_dirichlet_test.39
PMS2_dirichlet_test.53
PMS1_dirichlet_test.42
PMS2_dirichlet_test.54
MSH6_dirichlet_test.48
MLH1_dirichlet_test.46
MSH6_dirichlet_test.49
PMS2_dirichlet_test.55
MSH2_dirichlet_test.40
MSH2_dirichlet_test.41
MLH1_dirichlet_test.47
PMS2_dirichlet_test.56
MSH6_dirichlet_test.50
PMS1_dirichlet_test.37
PMS2_dirichlet_test.48
PMS1_dirichlet_test.32
PMS1_dirichlet_test.36
MLH1_dirichlet_test.33
MSH6_dirichlet_test.38
PMS2_dirichlet_test.42
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

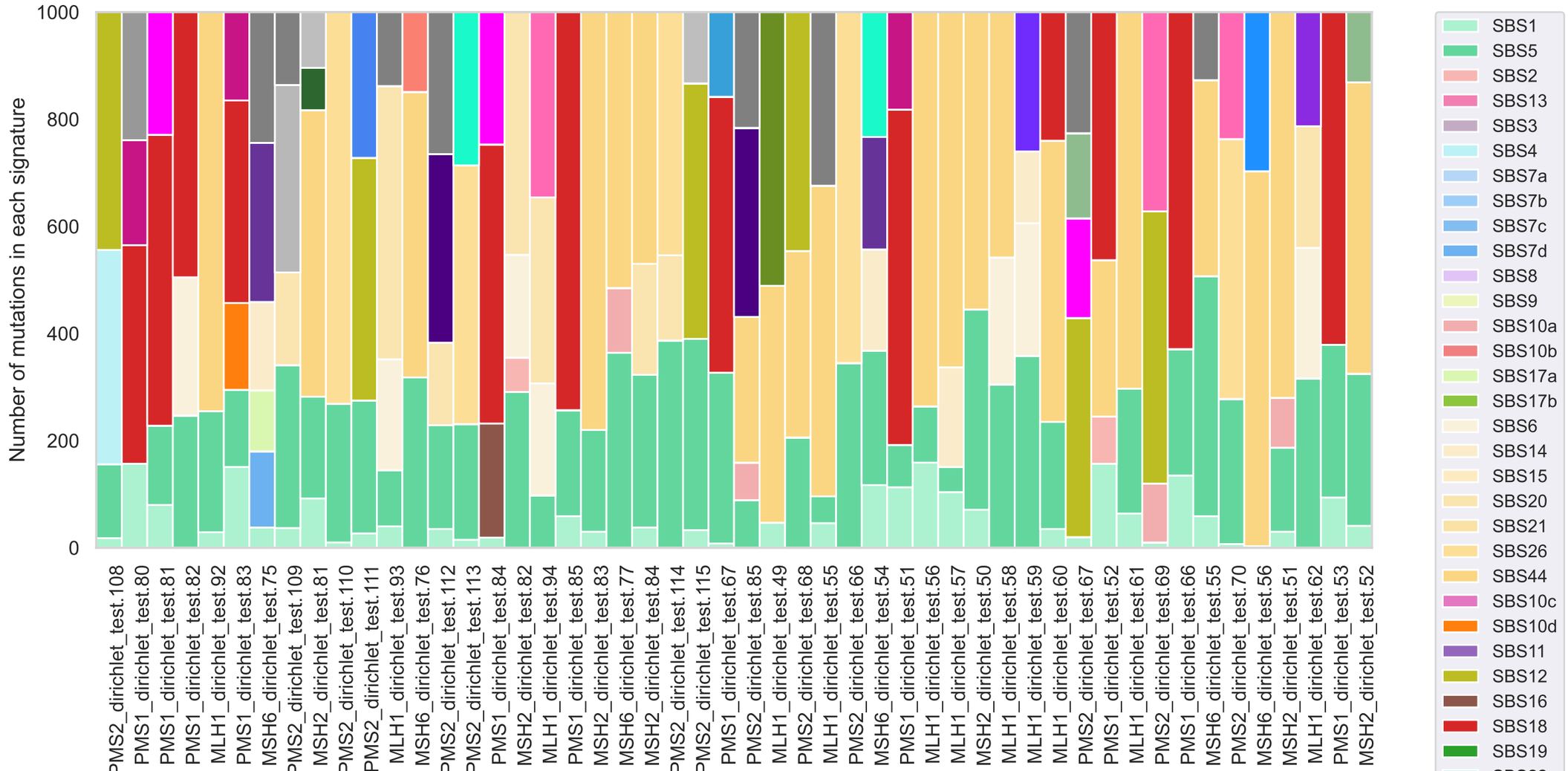

Number of mutations in each signature
1000
800
600
400
200
0
MSH6_dirichlet_test.39
MLH1_dirichlet_test.34
MSH6_dirichlet_test.40
PMS2_dirichlet_test.43
MSH6_dirichlet_test.41
PMS1_dirichlet_test.33
MSH6_dirichlet_test.42
PMS1_dirichlet_test.34
MLH1_dirichlet_test.35
MLH1_dirichlet_test.36
MLH1_dirichlet_test.37
PMS2_dirichlet_test.44
PMS1_dirichlet_test.35
MSH6_dirichlet_test.43
PMS2_dirichlet_test.45
PMS2_dirichlet_test.46
MSH2_dirichlet_test.37
MLH1_dirichlet_test.38
MSH6_dirichlet_test.44
MLH1_dirichlet_test.39
PMS2_dirichlet_test.47
MSH2_dirichlet_test.38
MSH6_dirichlet_test.45
MLH1_dirichlet_test.40
MSH2_dirichlet_test.21
MSH2_dirichlet_test.20
MLH1_dirichlet_test.48
MLH1_dirichlet_test.7
PMS2_dirichlet_test.12
MSH2_dirichlet_test.1
MLH1_dirichlet_test.5
MSH6_dirichlet_test.2
PMS2_dirichlet_test.13
MSH6_dirichlet_test.3
PMS2_dirichlet_test.14
MSH6_dirichlet_test.4
PMS1_dirichlet_test.6
MSH2_dirichlet_test.2
MSH6_dirichlet_test.5
PMS2_dirichlet_test.15
MLH1_dirichlet_test.6
MLH1_dirichlet_test.8
MSH6_dirichlet_test.24
PMS2_dirichlet_test.16
MSH6_dirichlet_test.6
MSH2_dirichlet_test.3
MSH6_dirichlet_test.7
PMS1_dirichlet_test.7
MSH2_dirichlet_test.4
MLH1_dirichlet_test.9
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

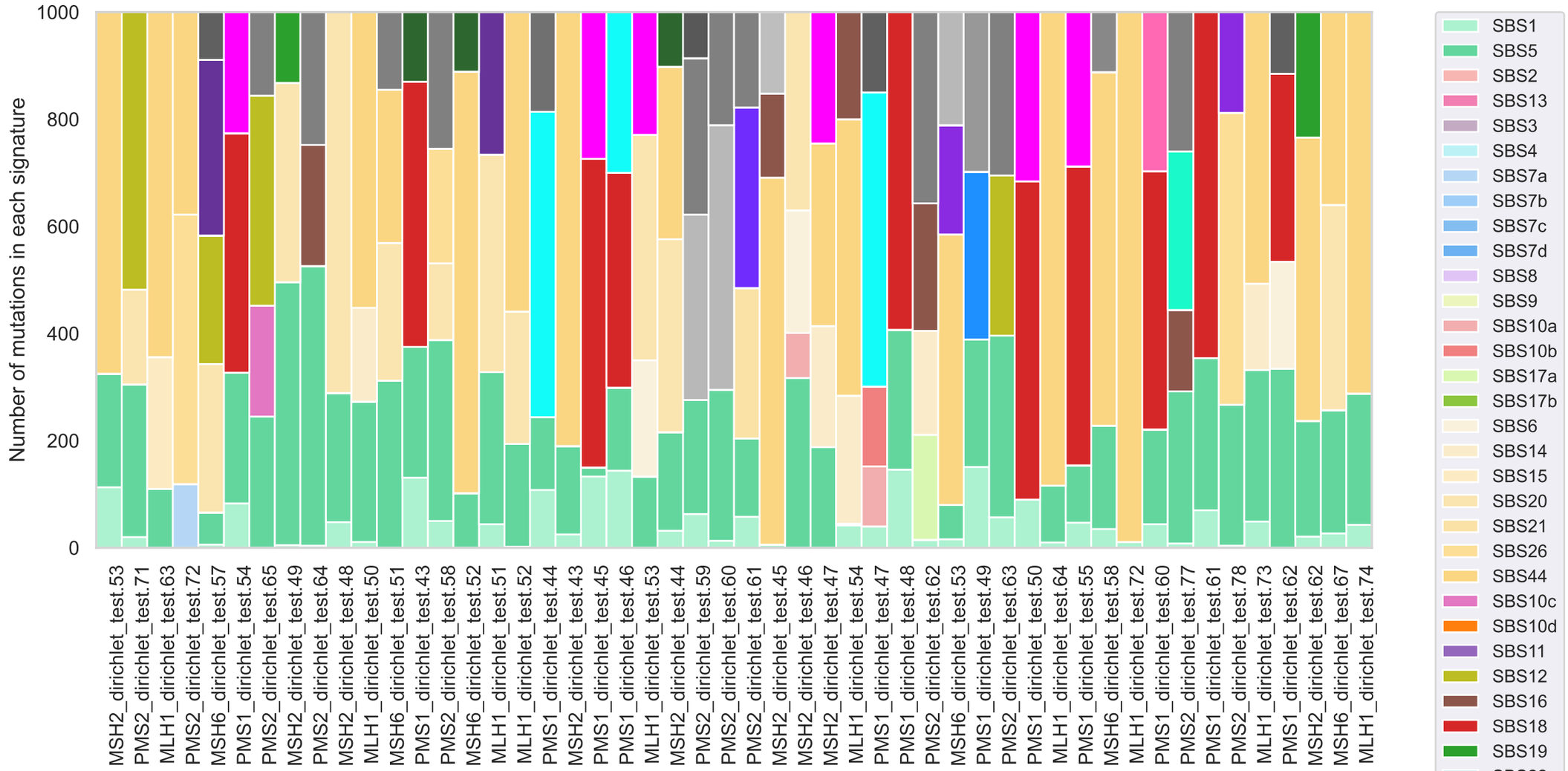

Number of mutations in each signature
1000
800
600
400
200
0
MSH6_dirichlet_test.8
PMS2_dirichlet_test.17
MSH2_dirichlet_test.5
PMS1_dirichlet_test.8
MLH1_dirichlet_test.10
PMS1_dirichlet_test.9
MLH1_dirichlet_test.4
PMS1_dirichlet_test.5
MLH1_dirichlet_test.3
PMS2_dirichlet_test.11
EXO1_dirichlet_test.507
EXO1_dirichlet_test.508
IF168_dirichlet_test.486
IF168_dirichlet_test.487
IF168_dirichlet_test.488
PMS1_dirichlet_test
PMS2_dirichlet_test
PMS2_dirichlet_test.1
PMS2_dirichlet_test.2
PMS2_dirichlet_test.3
PMS2_dirichlet_test.4
PMS2_dirichlet_test.5
PMS2_dirichlet_test.6
PMS1_dirichlet_test.1
PMS2_dirichlet_test.7
MLH1_dirichlet_test
PMS2_dirichlet_test.8
MSH6_dirichlet_test
PMS1_dirichlet_test.2
MLH1_dirichlet_test.1
MLH1_dirichlet_test.2
PMS1_dirichlet_test.3
MSH6_dirichlet_test.1
PMS1_dirichlet_test.4
MSH2_dirichlet_test
PMS2_dirichlet_test.9
PMS2_dirichlet_test.10
MSH6_dirichlet_test.9
MLH1_dirichlet_test.11
PMS1_dirichlet_test.10
MSH6_dirichlet_test.17
MSH2_dirichlet_test.12
PMS2_dirichlet_test.28
PMS1_dirichlet_test.15
PMS2_dirichlet_test.29
PMS1_dirichlet_test.16
MSH2_dirichlet_test.13
MSH6_dirichlet_test.18
MLH1_dirichlet_test.16
PMS1_dirichlet_test.17
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

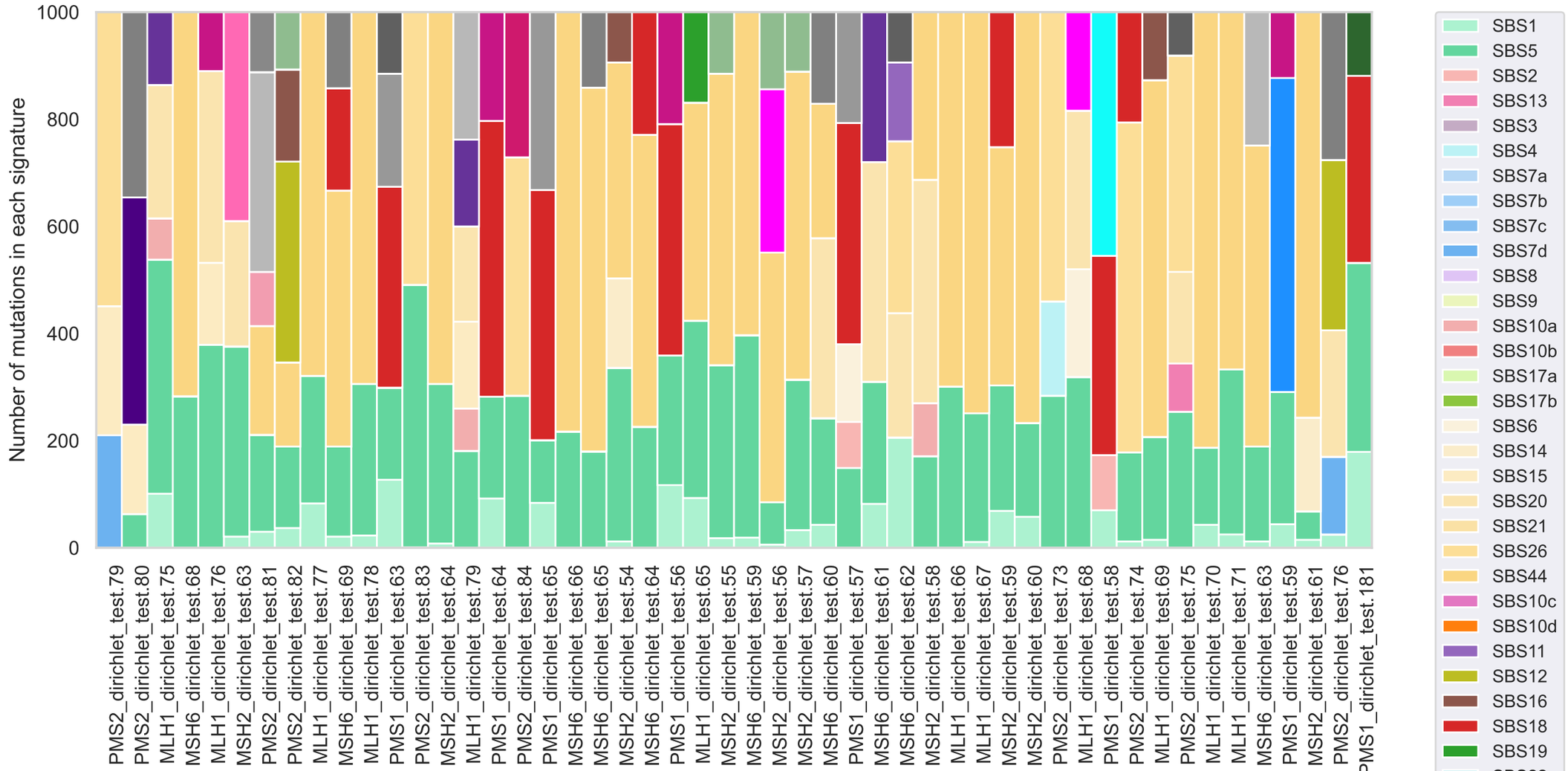

Number of mutations in each signature
1000
800
600
400
200
0
MSH6_dirichlet_test.19
MSH2_dirichlet_test.14
MLH1_dirichlet_test.17
MSH6_dirichlet_test.20
MSH6_dirichlet_test.21
MSH6_dirichlet_test.22
MSH2_dirichlet_test.15
MSH2_dirichlet_test.16
PMS1_dirichlet_test.18
PMS1_dirichlet_test.19
PMS1_dirichlet_test.20
PMS2_dirichlet_test.30
MSH2_dirichlet_test.17
MSH2_dirichlet_test.18
MLH1_dirichlet_test.18
MLH1_dirichlet_test.19
MSH6_dirichlet_test.23
MSH2_dirichlet_test.19
PMS2_dirichlet_test.27
MSH6_dirichlet_test.16
PMS2_dirichlet_test.18
PMS2_dirichlet_test.26
PMS2_dirichlet_test.19
MSH2_dirichlet_test.6
MSH2_dirichlet_test.7
MSH2_dirichlet_test.8
PMS2_dirichlet_test.20
MLH1_dirichlet_test.12
MSH6_dirichlet_test.10
PMS2_dirichlet_test.21
MSH6_dirichlet_test.11
MSH6_dirichlet_test.12
MSH2_dirichlet_test.9
PMS1_dirichlet_test.11
MSH2_dirichlet_test.10
PMS2_dirichlet_test.22
MLH1_dirichlet_test.13
PMS2_dirichlet_test.23
PMS1_dirichlet_test.12
PMS2_dirichlet_test.24
MSH6_dirichlet_test.13
PMS2_dirichlet_test.25
PMS1_dirichlet_test.13
MSH2_dirichlet_test.11
MSH6_dirichlet_test.14
MSH6_dirichlet_test.15
PMS1_dirichlet_test.14
MLH1_dirichlet_test.14
MLH1_dirichlet_test.15
PMS2_dirichlet_test.57
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

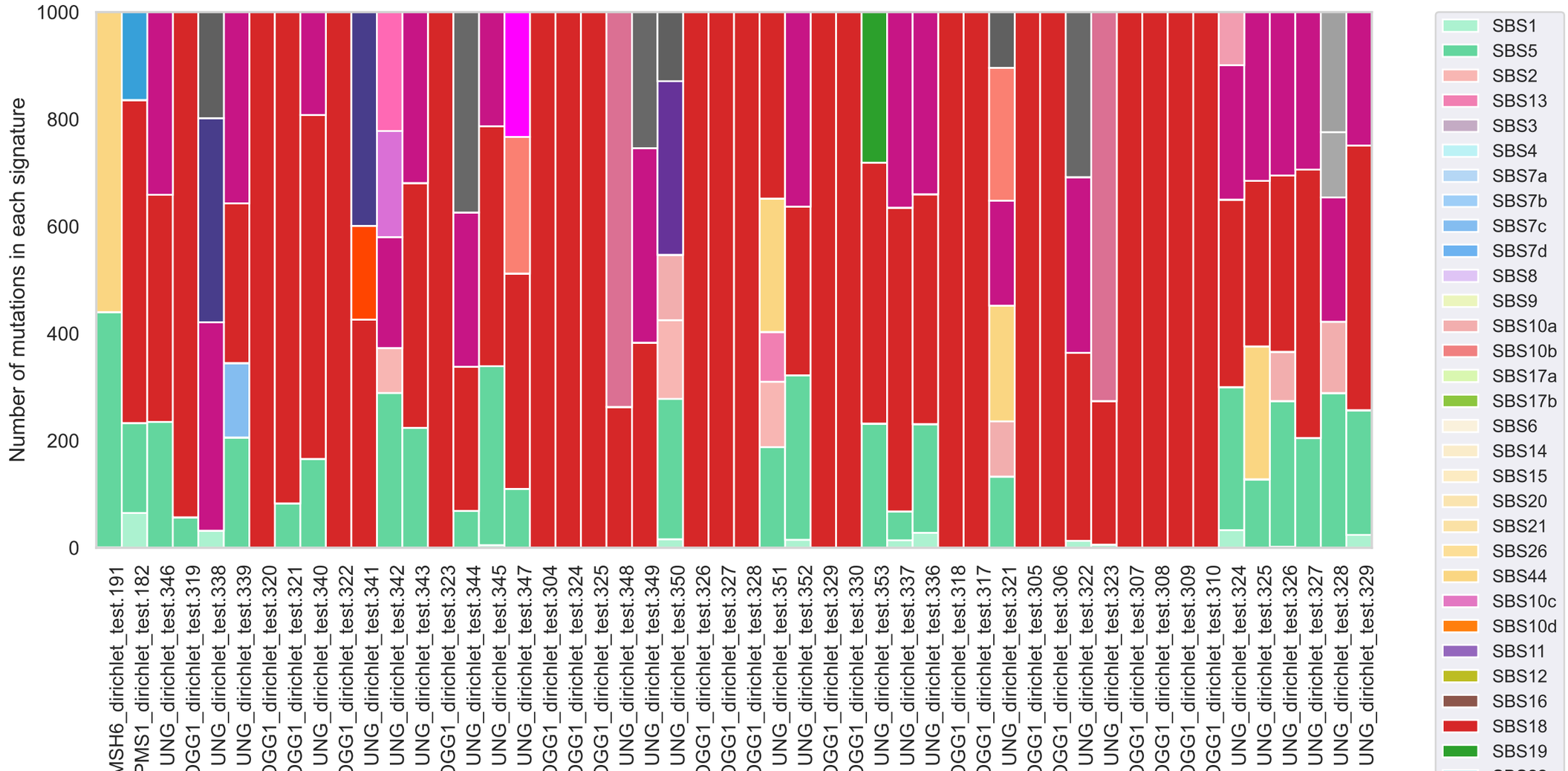

Number of mutations in each signature
1000
800
600
400
200
0
MSH2_dirichlet_test.42
PMS2_dirichlet_test.124
PMS1_dirichlet_test.73
PMS2_dirichlet_test.98
MSH2_dirichlet_test.73
PMS2_dirichlet_test.99
MLH1_dirichlet_test.86
PMS1_dirichlet_test.71
PMS2_dirichlet_test.100
MSH6_dirichlet_test.73
PMS1_dirichlet_test.72
MSH2_dirichlet_test.74
PMS2_dirichlet_test.101
PMS2_dirichlet_test.102
MSH2_dirichlet_test.75
PMS2_dirichlet_test.103
MLH1_dirichlet_test.87
MLH1_dirichlet_test.80
MLH1_dirichlet_test.88
MLH1_dirichlet_test.89
PMS1_dirichlet_test.74
PMS1_dirichlet_test.75
MSH2_dirichlet_test.76
PMS1_dirichlet_test.76
MSH6_dirichlet_test.74
PMS1_dirichlet_test.77
PMS2_dirichlet_test.104
PMS2_dirichlet_test.105
MSH2_dirichlet_test.77
MSH2_dirichlet_test.78
MSH2_dirichlet_test.79
MLH1_dirichlet_test.85
PMS2_dirichlet_test.97
PMS1_dirichlet_test.70
PMS2_dirichlet_test.96
MSH2_dirichlet_test.65
PMS2_dirichlet_test.86
MSH2_dirichlet_test.66
PMS2_dirichlet_test.87
PMS1_dirichlet_test.68
MSH6_dirichlet_test.70
MSH2_dirichlet_test.67
PMS2_dirichlet_test.88
PMS2_dirichlet_test.89
MSH2_dirichlet_test.68
PMS2_dirichlet_test.90
PMS2_dirichlet_test.91
MSH2_dirichlet_test.69
PMS2_dirichlet_test.92
MSH2_dirichlet_test.70
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

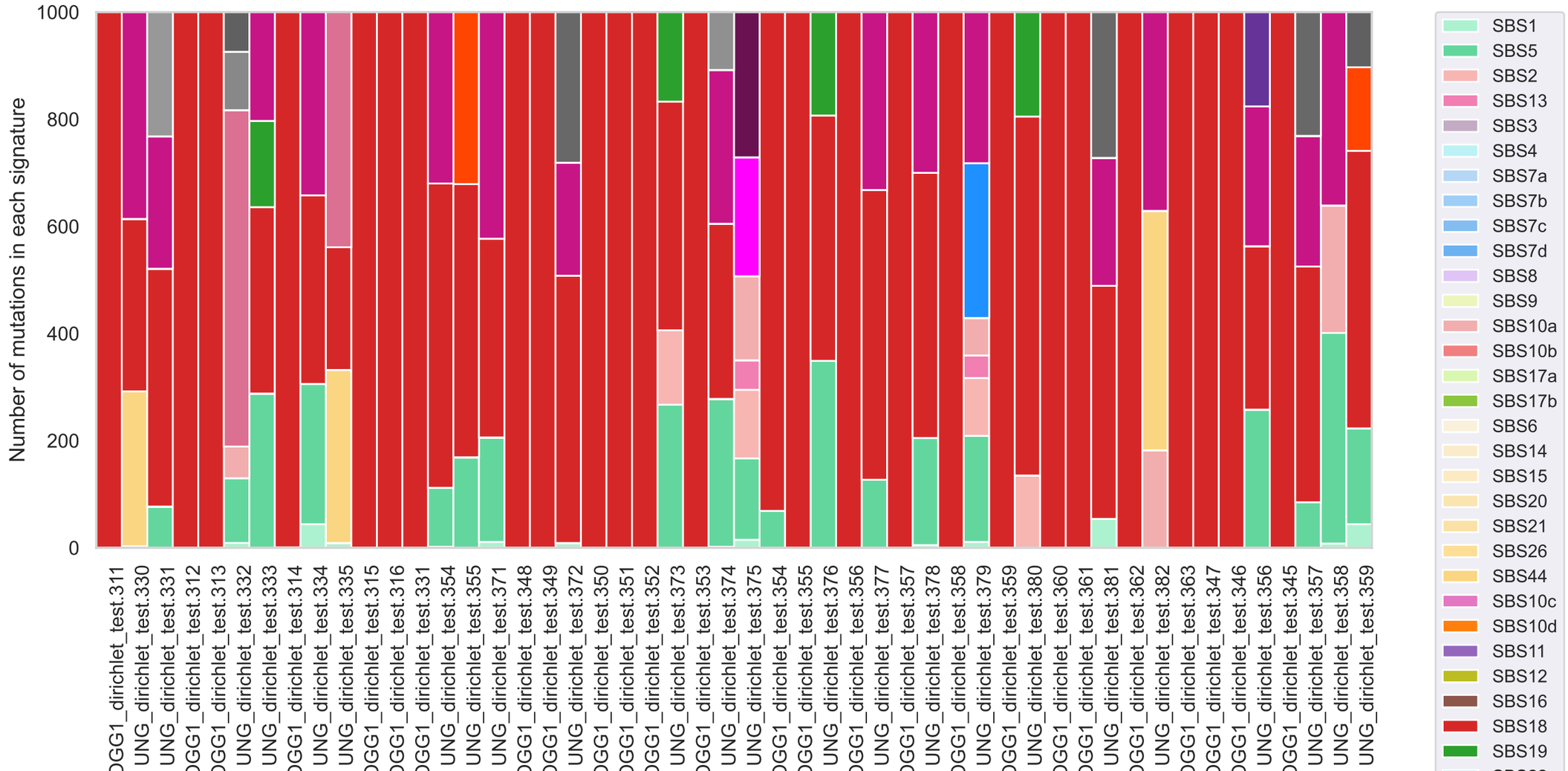

Number of mutations in each signature
1000
800
600
400
200
0
PMS2_dirichlet_test.93
MSH6_dirichlet_test.71
PMS2_dirichlet_test.94
MSH6_dirichlet_test.72
MLH1_dirichlet_test.81
MLH1_dirichlet_test.82
MLH1_dirichlet_test.83
PMS1_dirichlet_test.69
MLH1_dirichlet_test.84
MSH2_dirichlet_test.71
PMS2_dirichlet_test.95
MSH2_dirichlet_test.72
PMS1_dirichlet_test.78
PMS1_dirichlet_test.79
PMS2_dirichlet_test.106
MLH1_dirichlet_test.95
MLH1_dirichlet_test.96
MSH2_dirichlet_test.87
PMS1_dirichlet_test.86
MLH1_dirichlet_test.97
MSH6_dirichlet_test.78
MSH2_dirichlet_test.88
MSH2_dirichlet_test.89
MLH1_dirichlet_test.98
PMS2_dirichlet_test.117
MSH6_dirichlet_test.79
PMS1_dirichlet_test.87
PMS2_dirichlet_test.118
PMS2_dirichlet_test.119
MLH1_dirichlet_test.99
PMS2_dirichlet_test.120
PMS1_dirichlet_test.88
PMS2_dirichlet_test.121
MLH1_dirichlet_test.100
PMS1_dirichlet_test.89
MSH2_dirichlet_test.90
MSH6_dirichlet_test.80
PMS2_dirichlet_test.122
PMS1_dirichlet_test.90
MSH6_dirichlet_test.81
MSH6_dirichlet_test.82
MSH6_dirichlet_test.83
PMS2_dirichlet_test.123
MSH2_dirichlet_test.86
PMS2_dirichlet_test.116
MLH1_dirichlet_test.90
MSH2_dirichlet_test.85
MLH1_dirichlet_test.91
MSH2_dirichlet_test.80
PMS2_dirichlet_test.107
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

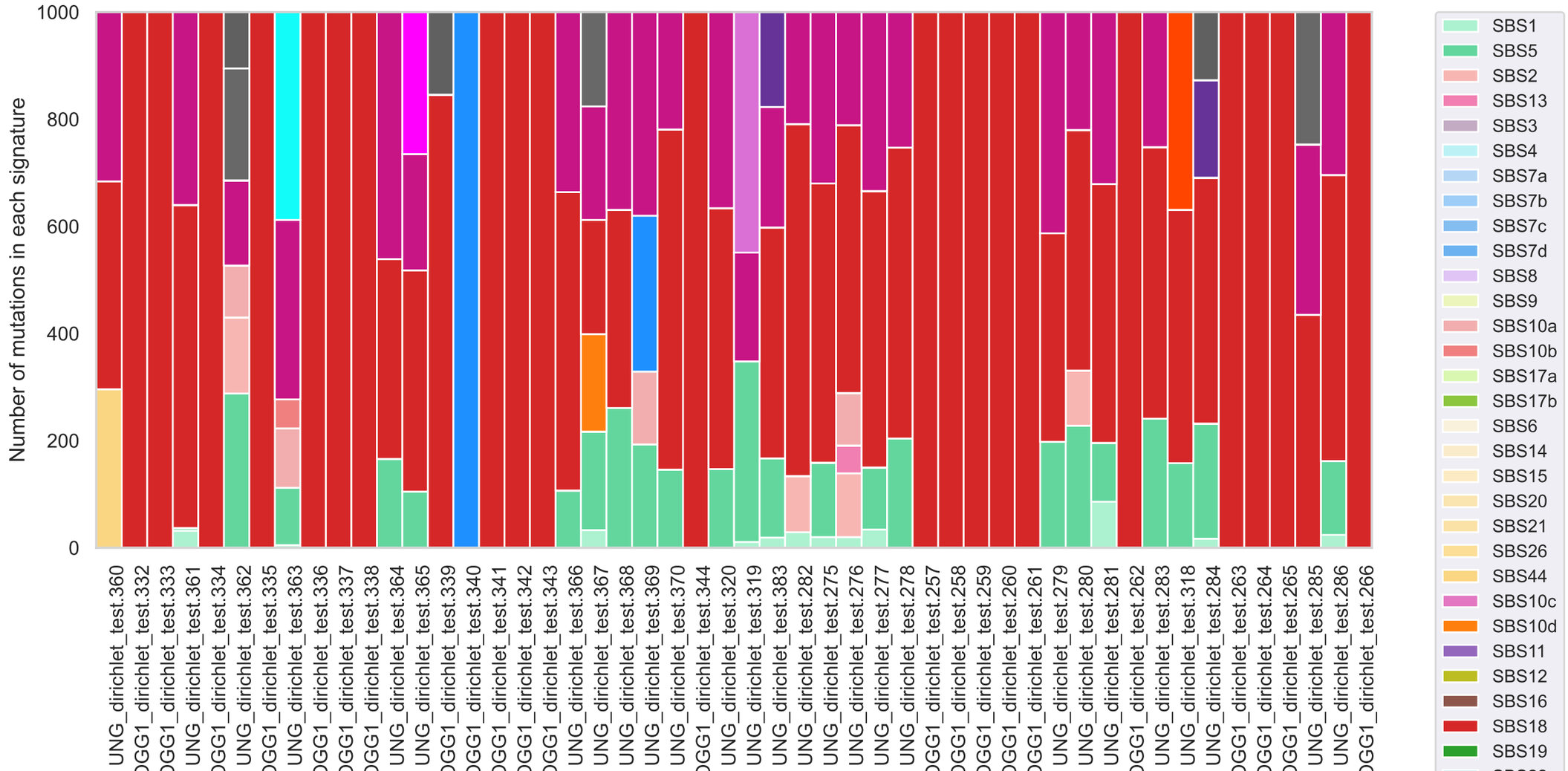

Number of mutations in each signature
1000
800
600
400
200
0
PMS2_dirichlet_test.108
PMS1_dirichlet_test.80
PMS1_dirichlet_test.81
PMS1_dirichlet_test.82
MLH1_dirichlet_test.92
PMS1_dirichlet_test.83
MSH6_dirichlet_test.75
PMS2_dirichlet_test.109
MSH2_dirichlet_test.81
PMS2_dirichlet_test.110
PMS2_dirichlet_test.111
MLH1_dirichlet_test.93
MSH6_dirichlet_test.76
PMS2_dirichlet_test.112
PMS2_dirichlet_test.113
PMS1_dirichlet_test.84
MSH2_dirichlet_test.82
MLH1_dirichlet_test.94
PMS1_dirichlet_test.85
MSH2_dirichlet_test.83
MSH6_dirichlet_test.77
MSH2_dirichlet_test.84
PMS2_dirichlet_test.114
PMS2_dirichlet_test.115
PMS1_dirichlet_test.67
PMS2_dirichlet_test.85
MLH1_dirichlet_test.49
PMS2_dirichlet_test.68
MLH1_dirichlet_test.55
PMS2_dirichlet_test.66
MSH6_dirichlet_test.54
PMS1_dirichlet_test.51
MLH1_dirichlet_test.56
MLH1_dirichlet_test.57
MSH2_dirichlet_test.50
MLH1_dirichlet_test.58
MLH1_dirichlet_test.59
MLH1_dirichlet_test.60
PMS2_dirichlet_test.67
PMS1_dirichlet_test.52
MLH1_dirichlet_test.61
PMS2_dirichlet_test.69
PMS1_dirichlet_test.66
MSH6_dirichlet_test.55
PMS2_dirichlet_test.70
MSH6_dirichlet_test.56
MSH2_dirichlet_test.51
MLH1_dirichlet_test.62
PMS1_dirichlet_test.53
MSH2_dirichlet_test.52
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

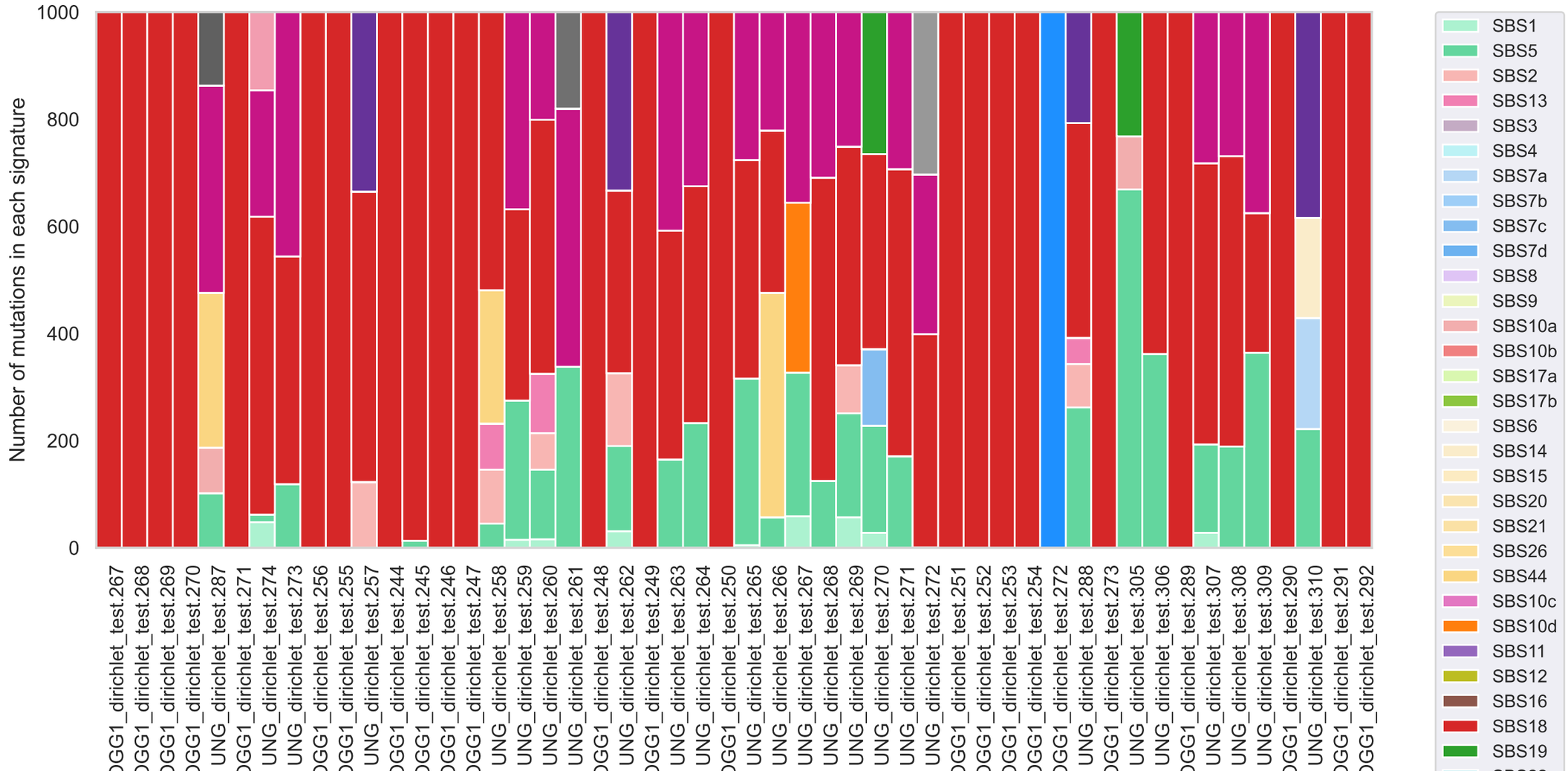

Number of mutations in each signature
1000
800
600
400
200
0
MSH2_dirichlet_test.53
PMS2_dirichlet_test.71
MLH1_dirichlet_test.63
PMS2_dirichlet_test.72
MSH6_dirichlet_test.57
PMS1_dirichlet_test.54
PMS2_dirichlet_test.65
MSH2_dirichlet_test.49
PMS2_dirichlet_test.64
MSH2_dirichlet_test.48
MLH1_dirichlet_test.50
MSH6_dirichlet_test.51
PMS1_dirichlet_test.43
PMS2_dirichlet_test.58
MSH6_dirichlet_test.52
MLH1_dirichlet_test.51
MLH1_dirichlet_test.52
PMS1_dirichlet_test.44
MSH2_dirichlet_test.43
PMS1_dirichlet_test.45
PMS1_dirichlet_test.46
MLH1_dirichlet_test.53
MSH2_dirichlet_test.44
PMS2_dirichlet_test.59
PMS2_dirichlet_test.60
PMS2_dirichlet_test.61
MSH2_dirichlet_test.45
MSH2_dirichlet_test.46
MSH2_dirichlet_test.47
MLH1_dirichlet_test.54
PMS1_dirichlet_test.47
PMS1_dirichlet_test.48
PMS2_dirichlet_test.62
MSH6_dirichlet_test.53
PMS1_dirichlet_test.49
PMS2_dirichlet_test.63
PMS1_dirichlet_test.50
MLH1_dirichlet_test.64
PMS1_dirichlet_test.55
MSH6_dirichlet_test.58
MLH1_dirichlet_test.72
PMS1_dirichlet_test.60
PMS2_dirichlet_test.77
PMS1_dirichlet_test.61
PMS2_dirichlet_test.78
MLH1_dirichlet_test.73
PMS1_dirichlet_test.62
MSH2_dirichlet_test.62
MSH6_dirichlet_test.67
MLH1_dirichlet_test.74
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

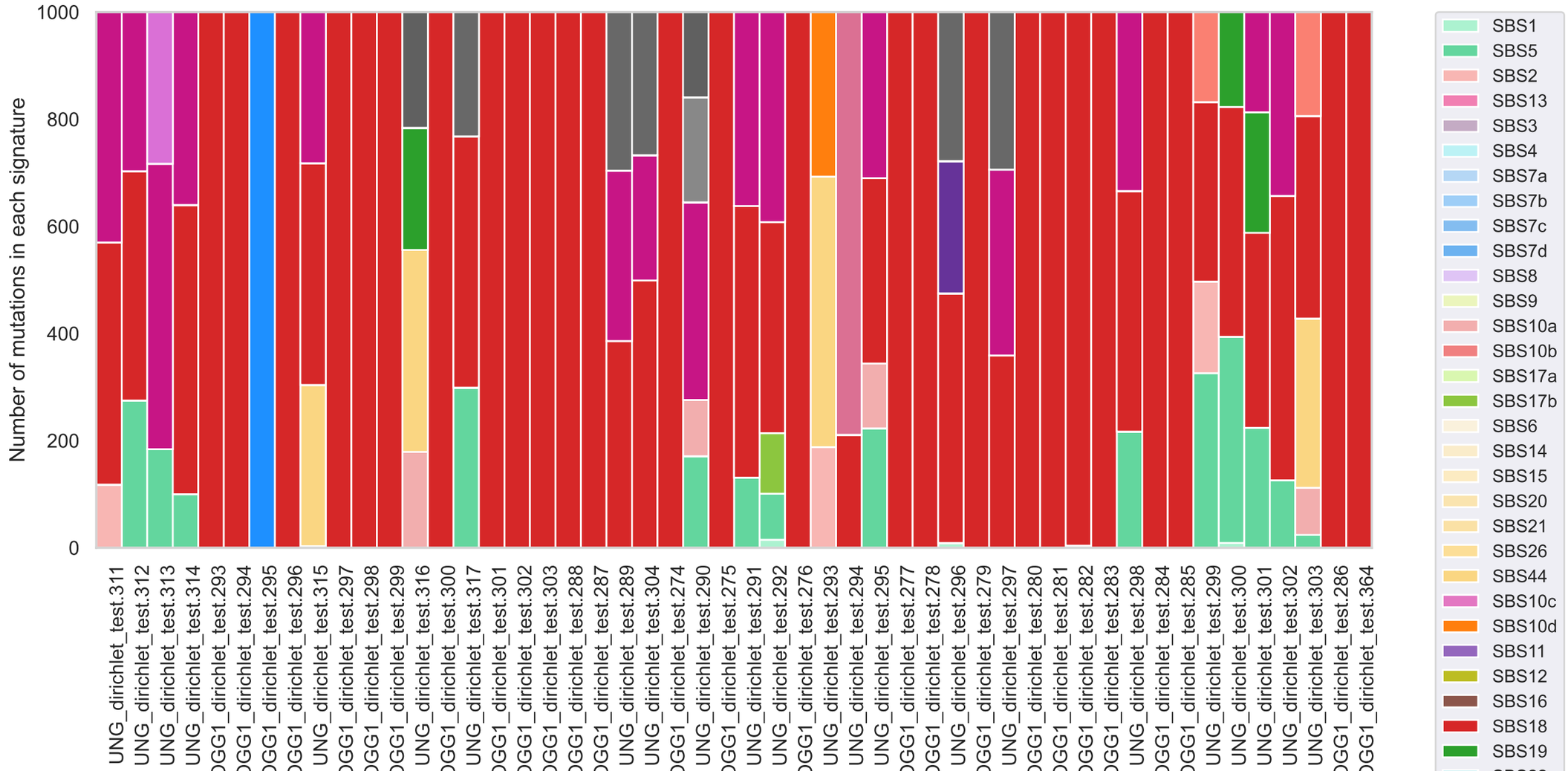

Number of mutations in each signature
1000
800
600
400
200
0
PMS2_dirichlet_test.79
PMS2_dirichlet_test.80
MLH1_dirichlet_test.75
MSH6_dirichlet_test.68
MLH1_dirichlet_test.76
MSH2_dirichlet_test.63
PMS2_dirichlet_test.81
PMS2_dirichlet_test.82
MLH1_dirichlet_test.77
MSH6_dirichlet_test.69
MLH1_dirichlet_test.78
PMS1_dirichlet_test.63
PMS2_dirichlet_test.83
MSH2_dirichlet_test.64
MLH1_dirichlet_test.79
PMS1_dirichlet_test.64
PMS2_dirichlet_test.84
PMS1_dirichlet_test.65
MSH6_dirichlet_test.66
MSH6_dirichlet_test.65
MSH2_dirichlet_test.54
MSH6_dirichlet_test.64
PMS1_dirichlet_test.56
MLH1_dirichlet_test.65
MSH2_dirichlet_test.55
MSH6_dirichlet_test.59
MSH2_dirichlet_test.56
MSH2_dirichlet_test.57
MSH6_dirichlet_test.60
PMS1_dirichlet_test.57
MSH6_dirichlet_test.61
MSH6_dirichlet_test.62
MSH2_dirichlet_test.58
MLH1_dirichlet_test.66
MLH1_dirichlet_test.67
MSH2_dirichlet_test.59
MSH2_dirichlet_test.60
PMS2_dirichlet_test.73
MLH1_dirichlet_test.68
PMS1_dirichlet_test.58
PMS2_dirichlet_test.74
MLH1_dirichlet_test.69
PMS2_dirichlet_test.75
MLH1_dirichlet_test.70
MLH1_dirichlet_test.71
MSH6_dirichlet_test.63
PMS1_dirichlet_test.59
MSH2_dirichlet_test.61
PMS2_dirichlet_test.76
PMS1_dirichlet_test.181
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

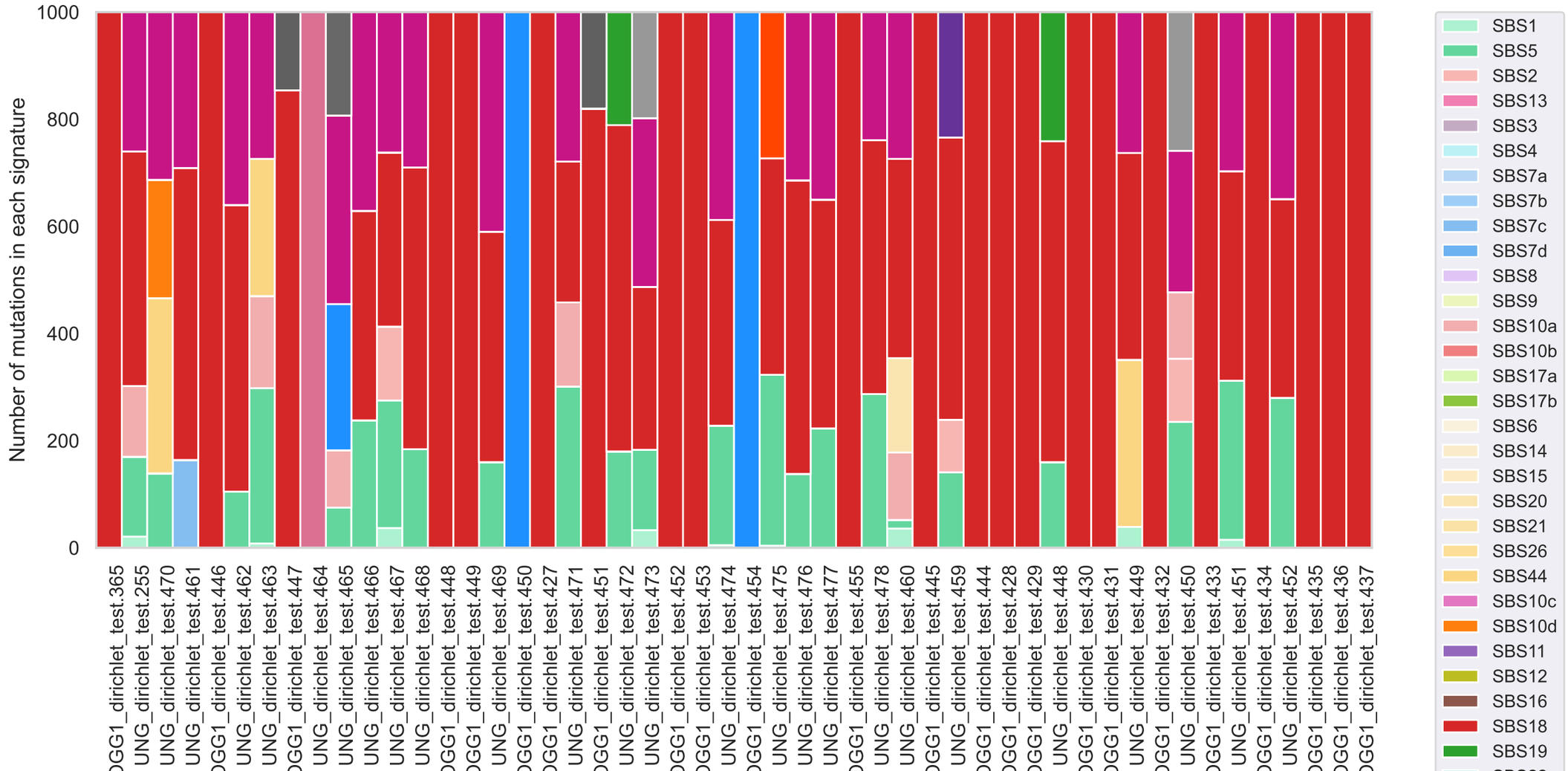

Number of mutations in each signature
1000
800
600
400
200
0
MSH6_dirichlet_test.191
PMS1_dirichlet_test.182
UNG_dirichlet_test.346
OGG1_dirichlet_test.319
UNG_dirichlet_test.338
UNG_dirichlet_test.339
OGG1_dirichlet_test.320
OGG1_dirichlet_test.321
UNG_dirichlet_test.340
OGG1_dirichlet_test.322
UNG_dirichlet_test.341
UNG_dirichlet_test.342
UNG_dirichlet_test.343
OGG1_dirichlet_test.323
UNG_dirichlet_test.344
UNG_dirichlet_test.345
UNG_dirichlet_test.347
OGG1_dirichlet_test.304
OGG1_dirichlet_test.324
OGG1_dirichlet_test.325
UNG_dirichlet_test.348
UNG_dirichlet_test.349
UNG_dirichlet_test.350
OGG1_dirichlet_test.326
OGG1_dirichlet_test.327
OGG1_dirichlet_test.328
UNG_dirichlet_test.351
UNG_dirichlet_test.352
OGG1_dirichlet_test.329
OGG1_dirichlet_test.330
UNG_dirichlet_test.353
UNG_dirichlet_test.337
UNG_dirichlet_test.336
OGG1_dirichlet_test.318
OGG1_dirichlet_test.317
UNG_dirichlet_test.321
OGG1_dirichlet_test.305
OGG1_dirichlet_test.306
UNG_dirichlet_test.322
UNG_dirichlet_test.323
OGG1_dirichlet_test.307
OGG1_dirichlet_test.308
OGG1_dirichlet_test.309
OGG1_dirichlet_test.310
UNG_dirichlet_test.324
UNG_dirichlet_test.325
UNG_dirichlet_test.326
UNG_dirichlet_test.327
UNG_dirichlet_test.328
UNG_dirichlet_test.329
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

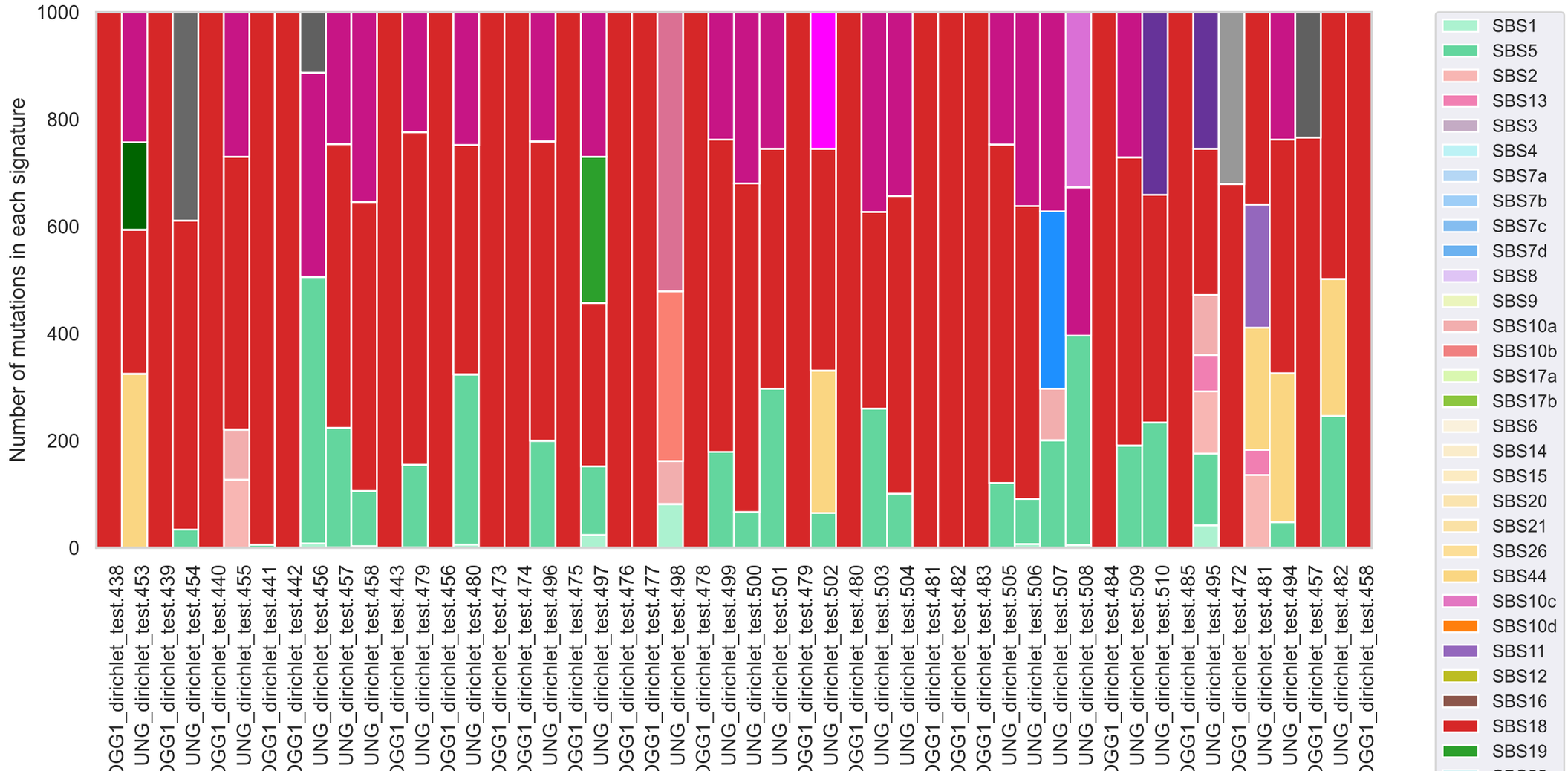

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.311
UNG_dirichlet_test.330
UNG_dirichlet_test.331
OGG1_dirichlet_test.312
OGG1_dirichlet_test.313
UNG_dirichlet_test.332
UNG_dirichlet_test.333
OGG1_dirichlet_test.314
UNG_dirichlet_test.334
UNG_dirichlet_test.335
OGG1_dirichlet_test.315
OGG1_dirichlet_test.316
OGG1_dirichlet_test.331
UNG_dirichlet_test.354
UNG_dirichlet_test.355
UNG_dirichlet_test.371
OGG1_dirichlet_test.348
OGG1_dirichlet_test.349
UNG_dirichlet_test.372
OGG1_dirichlet_test.350
OGG1_dirichlet_test.351
OGG1_dirichlet_test.352
UNG_dirichlet_test.373
OGG1_dirichlet_test.353
UNG_dirichlet_test.374
UNG_dirichlet_test.375
OGG1_dirichlet_test.354
OGG1_dirichlet_test.355
UNG_dirichlet_test.376
OGG1_dirichlet_test.356
UNG_dirichlet_test.377
OGG1_dirichlet_test.357
UNG_dirichlet_test.378
OGG1_dirichlet_test.358
UNG_dirichlet_test.379
OGG1_dirichlet_test.359
UNG_dirichlet_test.380
OGG1_dirichlet_test.360
OGG1_dirichlet_test.361
UNG_dirichlet_test.381
OGG1_dirichlet_test.362
UNG_dirichlet_test.382
OGG1_dirichlet_test.363
OGG1_dirichlet_test.347
OGG1_dirichlet_test.346
UNG_dirichlet_test.356
OGG1_dirichlet_test.345
UNG_dirichlet_test.357
UNG_dirichlet_test.358
UNG_dirichlet_test.359
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

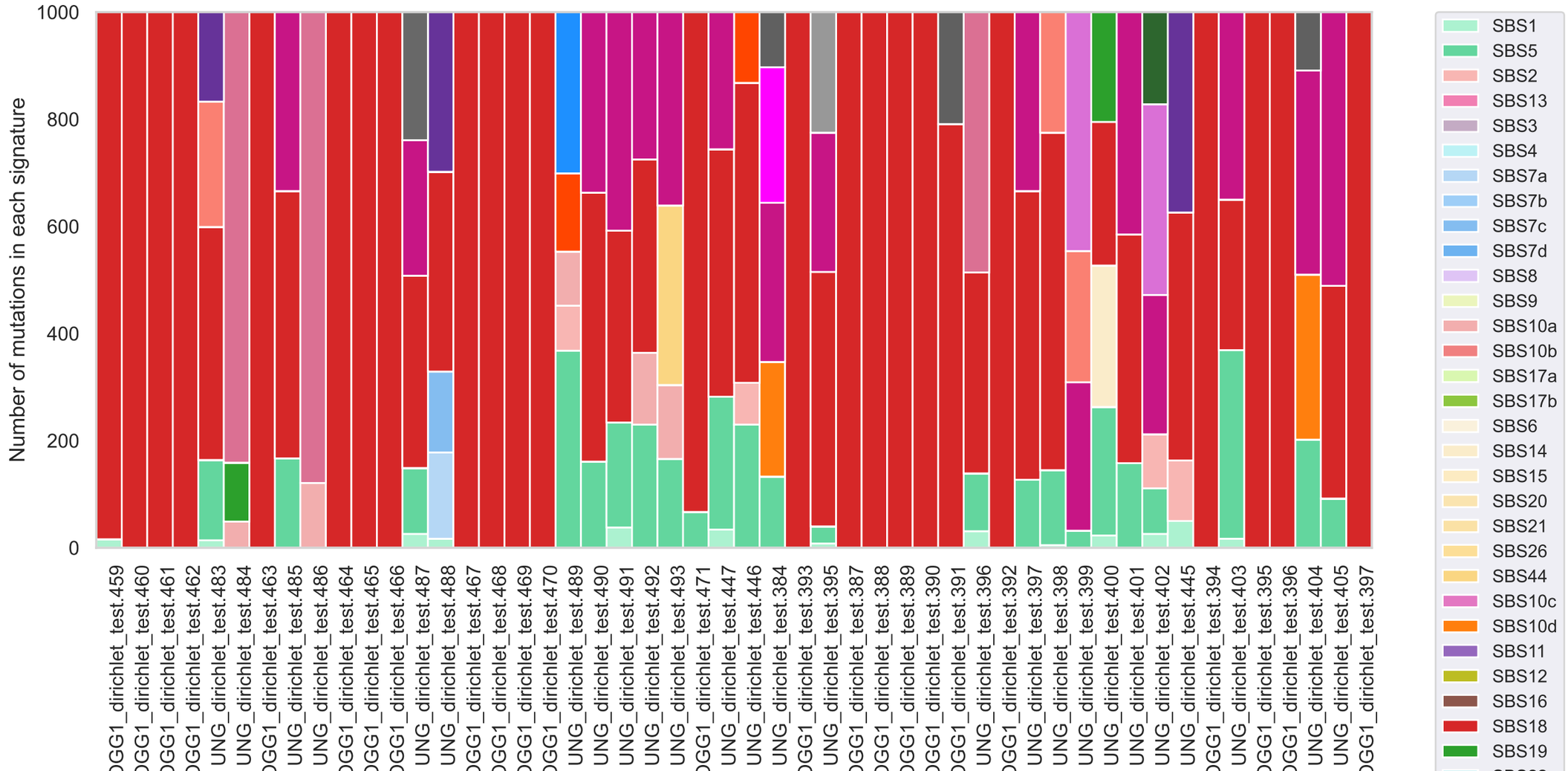

Number of mutations in each signature
1000
800
600
400
200
0
UNG_dirichlet_test.360
OGG1_dirichlet_test.332
OGG1_dirichlet_test.333
UNG_dirichlet_test.361
OGG1_dirichlet_test.334
UNG_dirichlet_test.362
OGG1_dirichlet_test.335
UNG_dirichlet_test.363
OGG1_dirichlet_test.336
OGG1_dirichlet_test.337
OGG1_dirichlet_test.338
UNG_dirichlet_test.364
UNG_dirichlet_test.365
OGG1_dirichlet_test.339
OGG1_dirichlet_test.340
OGG1_dirichlet_test.341
OGG1_dirichlet_test.342
OGG1_dirichlet_test.343
UNG_dirichlet_test.366
UNG_dirichlet_test.367
UNG_dirichlet_test.368
UNG_dirichlet_test.369
UNG_dirichlet_test.370
OGG1_dirichlet_test.344
UNG_dirichlet_test.320
UNG_dirichlet_test.319
UNG_dirichlet_test.383
UNG_dirichlet_test.282
UNG_dirichlet_test.275
UNG_dirichlet_test.276
UNG_dirichlet_test.277
UNG_dirichlet_test.278
OGG1_dirichlet_test.257
OGG1_dirichlet_test.258
OGG1_dirichlet_test.259
OGG1_dirichlet_test.260
OGG1_dirichlet_test.261
UNG_dirichlet_test.279
UNG_dirichlet_test.280
UNG_dirichlet_test.281
OGG1_dirichlet_test.262
UNG_dirichlet_test.283
UNG_dirichlet_test.318
UNG_dirichlet_test.284
OGG1_dirichlet_test.263
OGG1_dirichlet_test.264
OGG1_dirichlet_test.265
UNG_dirichlet_test.285
UNG_dirichlet_test.286
OGG1_dirichlet_test.266
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

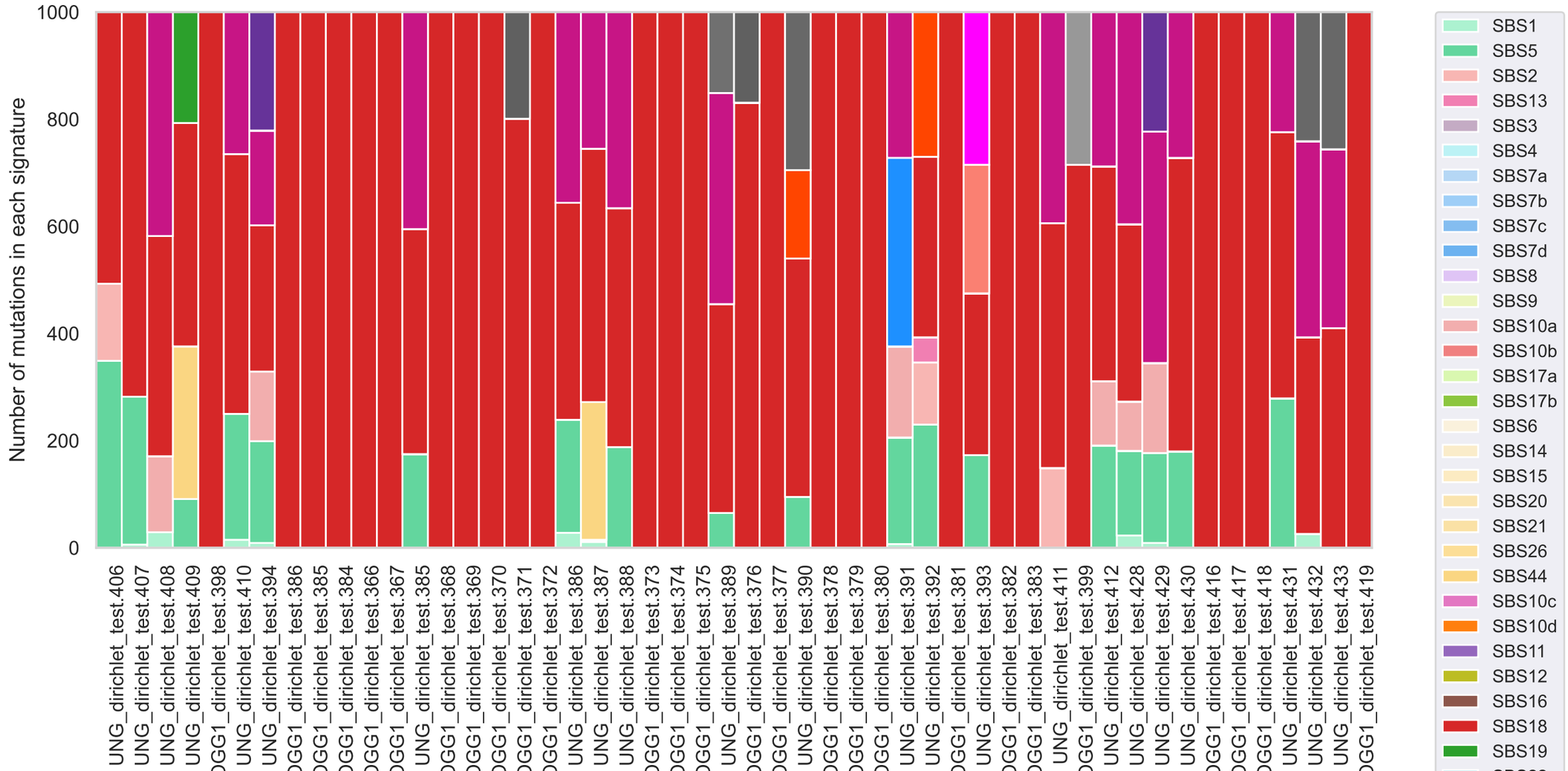

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.267
OGG1_dirichlet_test.268
OGG1_dirichlet_test.269
OGG1_dirichlet_test.270
UNG_dirichlet_test.287
OGG1_dirichlet_test.271
UNG_dirichlet_test.274
UNG_dirichlet_test.273
OGG1_dirichlet_test.256
OGG1_dirichlet_test.255
UNG_dirichlet_test.257
OGG1_dirichlet_test.244
OGG1_dirichlet_test.245
OGG1_dirichlet_test.246
OGG1_dirichlet_test.247
UNG_dirichlet_test.258
UNG_dirichlet_test.259
UNG_dirichlet_test.260
UNG_dirichlet_test.261
OGG1_dirichlet_test.248
UNG_dirichlet_test.262
OGG1_dirichlet_test.249
UNG_dirichlet_test.263
UNG_dirichlet_test.264
OGG1_dirichlet_test.250
UNG_dirichlet_test.265
UNG_dirichlet_test.266
UNG_dirichlet_test.267
UNG_dirichlet_test.268
UNG_dirichlet_test.269
UNG_dirichlet_test.270
UNG_dirichlet_test.271
UNG_dirichlet_test.272
OGG1_dirichlet_test.251
OGG1_dirichlet_test.252
OGG1_dirichlet_test.253
OGG1_dirichlet_test.254
OGG1_dirichlet_test.272
UNG_dirichlet_test.288
OGG1_dirichlet_test.273
UNG_dirichlet_test.305
UNG_dirichlet_test.306
OGG1_dirichlet_test.289
UNG_dirichlet_test.307
UNG_dirichlet_test.308
UNG_dirichlet_test.309
OGG1_dirichlet_test.290
UNG_dirichlet_test.310
OGG1_dirichlet_test.291
OGG1_dirichlet_test.292
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

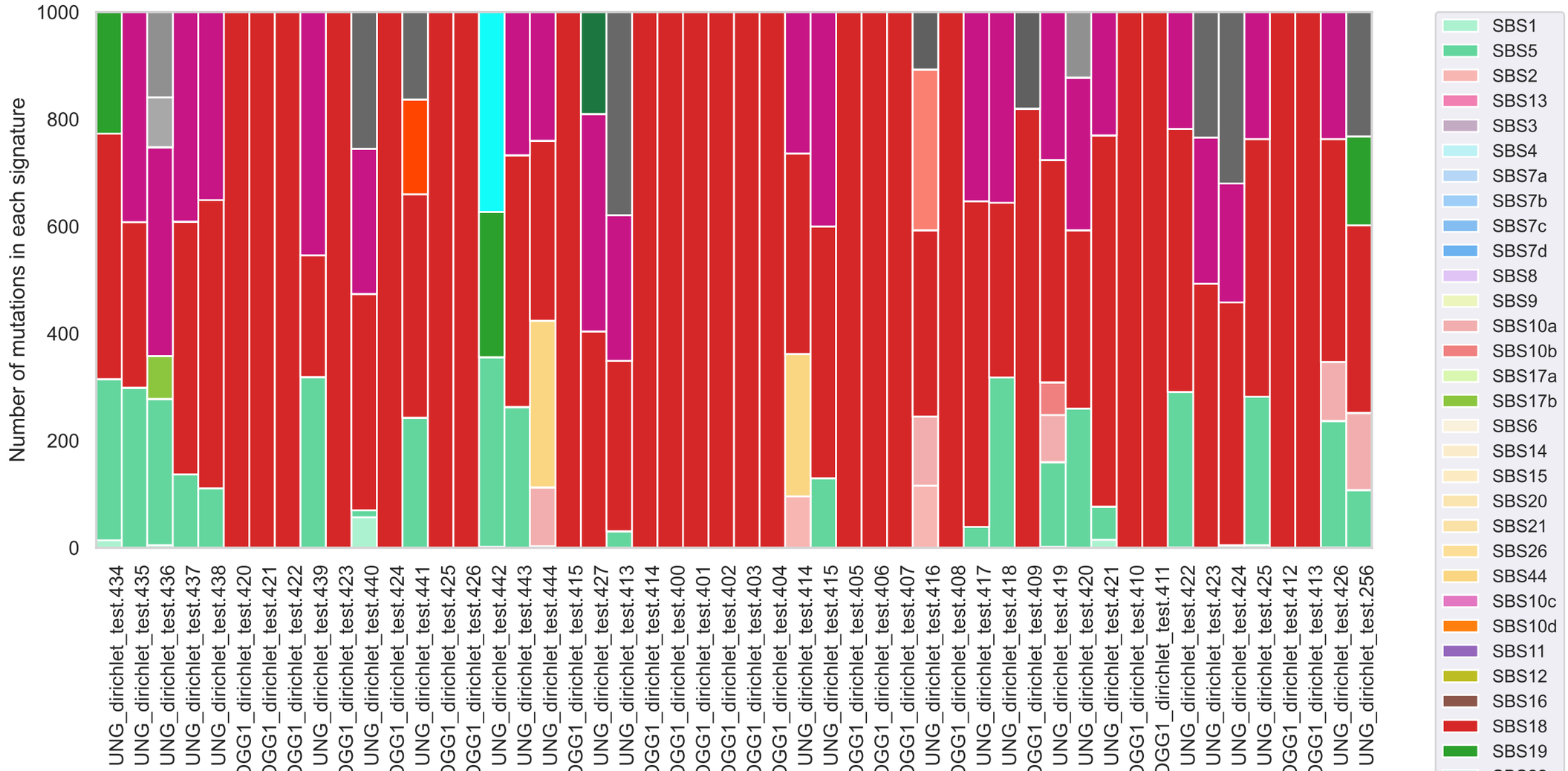

Number of mutations in each signature
1000
800
600
400
200
0
UNG_dirichlet_test.311
UNG_dirichlet_test.312
UNG_dirichlet_test.313
UNG_dirichlet_test.314
OGG1_dirichlet_test.293
OGG1_dirichlet_test.294
OGG1_dirichlet_test.295
OGG1_dirichlet_test.296
UNG_dirichlet_test.315
OGG1_dirichlet_test.297
OGG1_dirichlet_test.298
OGG1_dirichlet_test.299
UNG_dirichlet_test.316
OGG1_dirichlet_test.300
UNG_dirichlet_test.317
OGG1_dirichlet_test.301
OGG1_dirichlet_test.302
OGG1_dirichlet_test.303
OGG1_dirichlet_test.288
OGG1_dirichlet_test.287
UNG_dirichlet_test.289
UNG_dirichlet_test.304
OGG1_dirichlet_test.274
UNG_dirichlet_test.290
OGG1_dirichlet_test.275
UNG_dirichlet_test.291
UNG_dirichlet_test.292
OGG1_dirichlet_test.276
UNG_dirichlet_test.293
UNG_dirichlet_test.294
UNG_dirichlet_test.295
OGG1_dirichlet_test.277
OGG1_dirichlet_test.278
UNG_dirichlet_test.296
OGG1_dirichlet_test.279
UNG_dirichlet_test.297
OGG1_dirichlet_test.280
OGG1_dirichlet_test.281
OGG1_dirichlet_test.282
OGG1_dirichlet_test.283
UNG_dirichlet_test.298
OGG1_dirichlet_test.284
OGG1_dirichlet_test.285
UNG_dirichlet_test.299
UNG_dirichlet_test.300
UNG_dirichlet_test.301
UNG_dirichlet_test.302
UNG_dirichlet_test.303
OGG1_dirichlet_test.286
OGG1_dirichlet_test.364
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

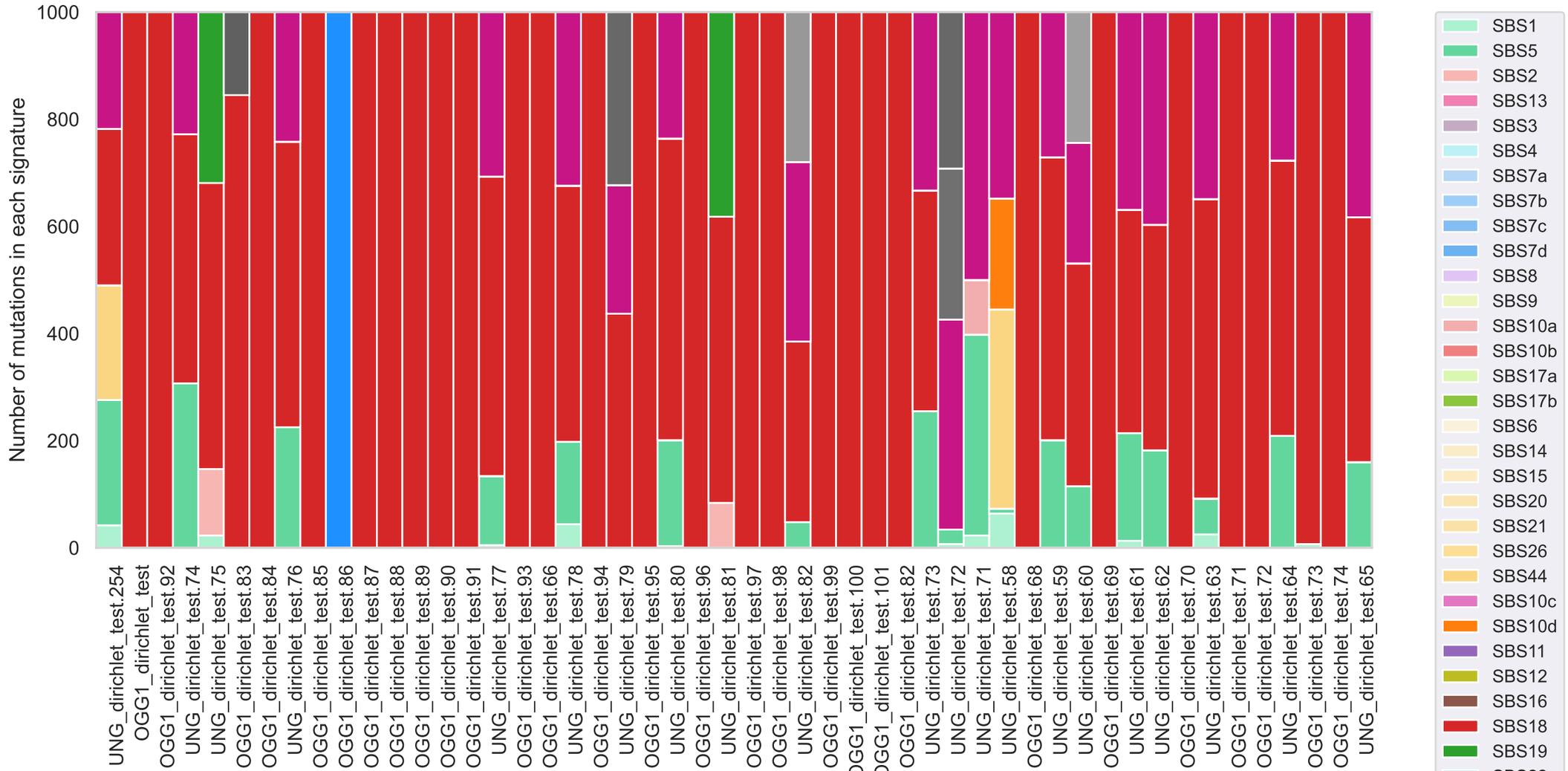

Number of mutations in each signature
1000
800
600
400
200
0
GG1_dirichlet_test.365
UNG_dirichlet_test.255
UNG_dirichlet_test.470
UNG_dirichlet_test.461
GG1_dirichlet_test.446
UNG_dirichlet_test.462
UNG_dirichlet_test.463
GG1_dirichlet_test.447
UNG_dirichlet_test.464
UNG_dirichlet_test.465
UNG_dirichlet_test.466
UNG_dirichlet_test.467
UNG_dirichlet_test.468
GG1_dirichlet_test.448
GG1_dirichlet_test.449
UNG_dirichlet_test.469
GG1_dirichlet_test.450
GG1_dirichlet_test.427
UNG_dirichlet_test.471
GG1_dirichlet_test.451
UNG_dirichlet_test.472
UNG_dirichlet_test.473
GG1_dirichlet_test.452
GG1_dirichlet_test.453
UNG_dirichlet_test.474
GG1_dirichlet_test.454
UNG_dirichlet_test.475
UNG_dirichlet_test.476
UNG_dirichlet_test.477
GG1_dirichlet_test.455
UNG_dirichlet_test.478
UNG_dirichlet_test.460
GG1_dirichlet_test.445
UNG_dirichlet_test.459
GG1_dirichlet_test.444
GG1_dirichlet_test.428
GG1_dirichlet_test.429
UNG_dirichlet_test.448
GG1_dirichlet_test.430
GG1_dirichlet_test.431
UNG_dirichlet_test.449
GG1_dirichlet_test.432
UNG_dirichlet_test.450
GG1_dirichlet_test.433
UNG_dirichlet_test.451
GG1_dirichlet_test.434
UNG_dirichlet_test.452
GG1_dirichlet_test.435
GG1_dirichlet_test.436
GG1_dirichlet_test.437
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

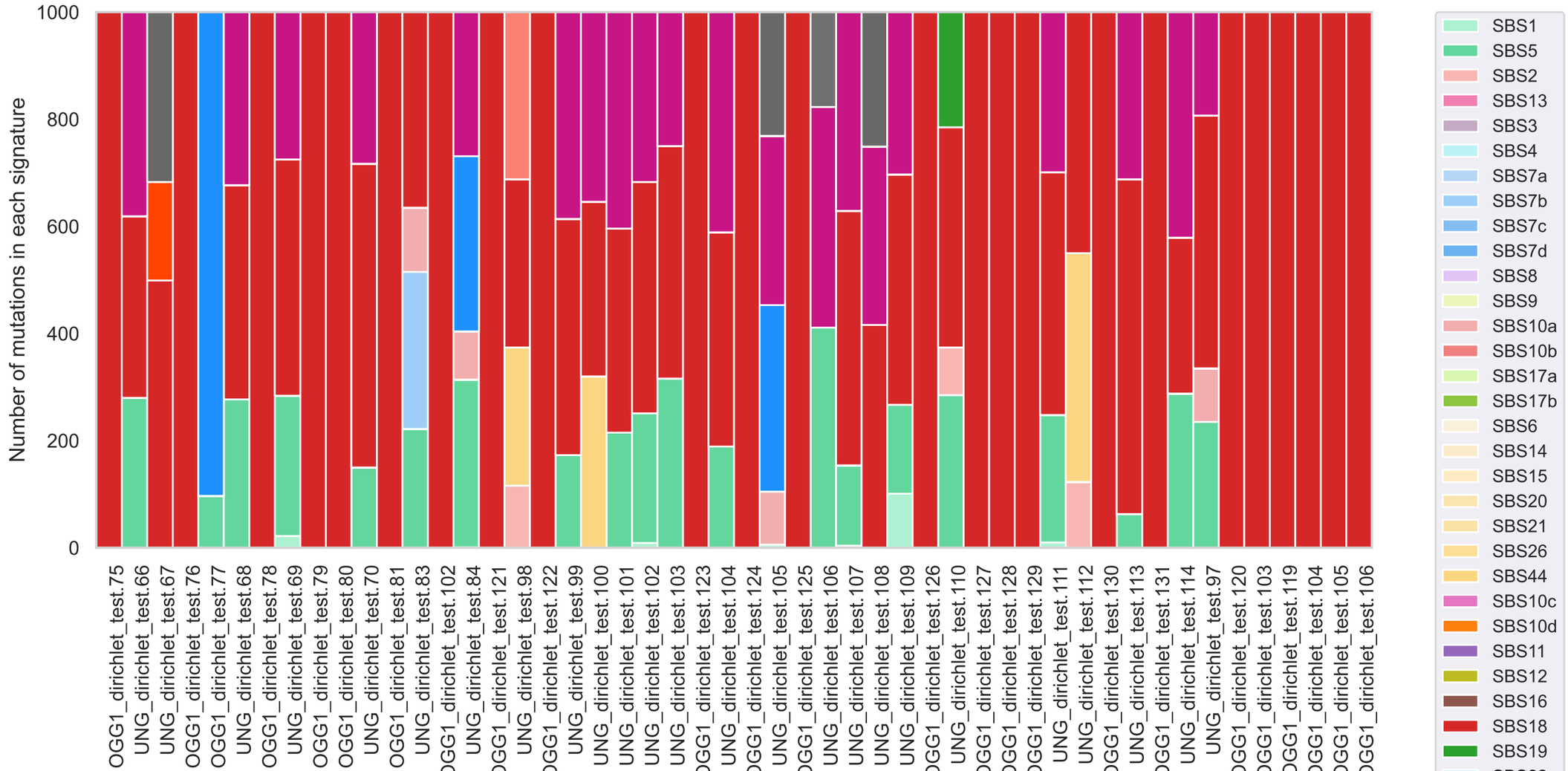

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.438
UNG_dirichlet_test.453
OGG1_dirichlet_test.439
UNG_dirichlet_test.454
OGG1_dirichlet_test.440
UNG_dirichlet_test.455
OGG1_dirichlet_test.441
OGG1_dirichlet_test.442
UNG_dirichlet_test.456
UNG_dirichlet_test.457
UNG_dirichlet_test.458
OGG1_dirichlet_test.443
UNG_dirichlet_test.479
OGG1_dirichlet_test.456
UNG_dirichlet_test.480
OGG1_dirichlet_test.473
OGG1_dirichlet_test.474
UNG_dirichlet_test.496
OGG1_dirichlet_test.475
UNG_dirichlet_test.497
OGG1_dirichlet_test.476
OGG1_dirichlet_test.477
UNG_dirichlet_test.498
OGG1_dirichlet_test.478
UNG_dirichlet_test.499
UNG_dirichlet_test.500
UNG_dirichlet_test.501
OGG1_dirichlet_test.479
UNG_dirichlet_test.502
OGG1_dirichlet_test.480
UNG_dirichlet_test.503
UNG_dirichlet_test.504
OGG1_dirichlet_test.481
OGG1_dirichlet_test.482
OGG1_dirichlet_test.483
UNG_dirichlet_test.505
UNG_dirichlet_test.506
UNG_dirichlet_test.507
UNG_dirichlet_test.508
OGG1_dirichlet_test.484
UNG_dirichlet_test.509
UNG_dirichlet_test.510
OGG1_dirichlet_test.485
UNG_dirichlet_test.495
OGG1_dirichlet_test.472
UNG_dirichlet_test.481
UNG_dirichlet_test.494
OGG1_dirichlet_test.457
UNG_dirichlet_test.482
OGG1_dirichlet_test.458
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

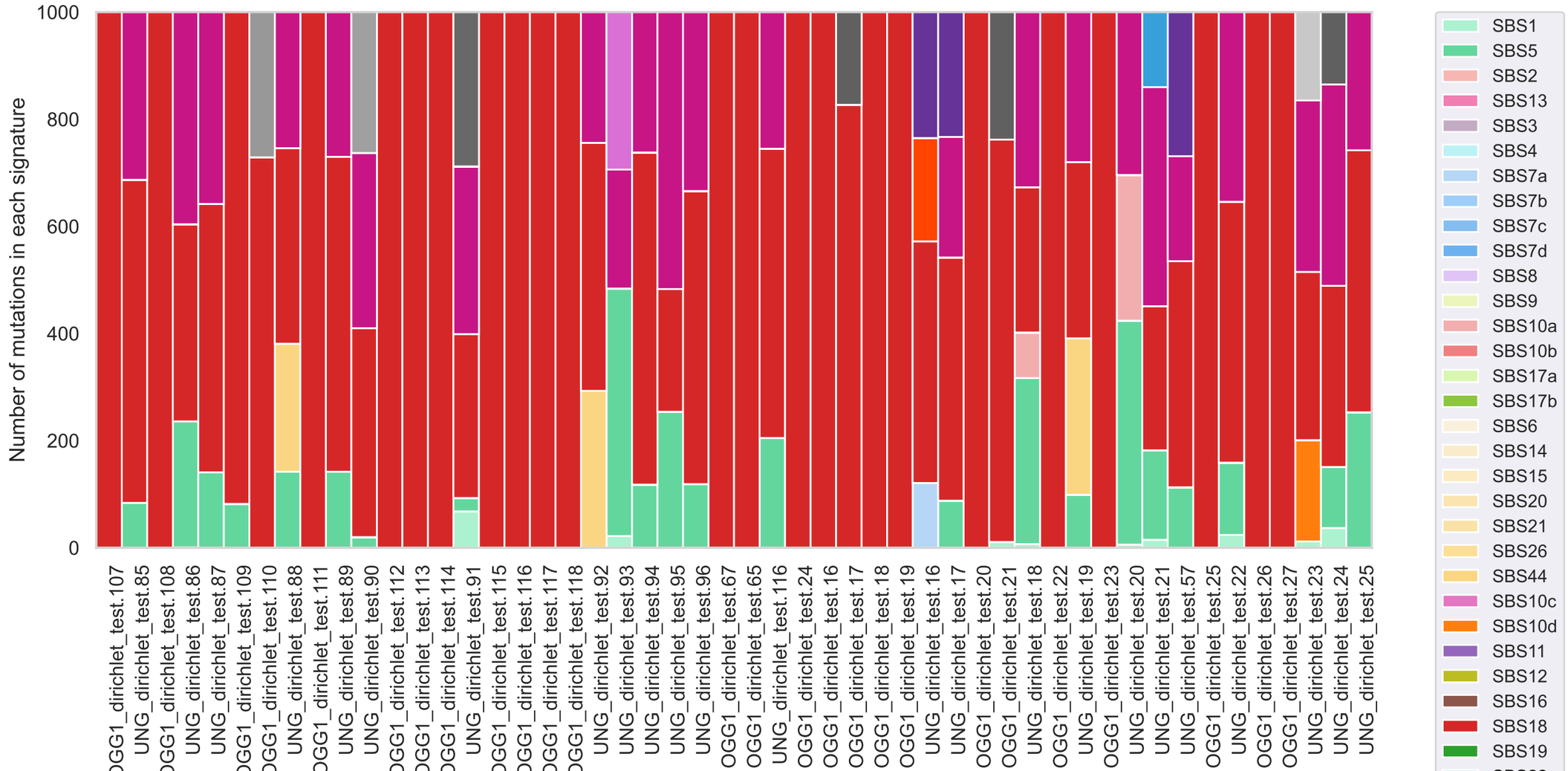

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.459
OGG1_dirichlet_test.460
OGG1_dirichlet_test.461
OGG1_dirichlet_test.462
UNG_dirichlet_test.483
UNG_dirichlet_test.484
OGG1_dirichlet_test.463
UNG_dirichlet_test.485
UNG_dirichlet_test.486
OGG1_dirichlet_test.464
OGG1_dirichlet_test.465
OGG1_dirichlet_test.466
UNG_dirichlet_test.487
UNG_dirichlet_test.488
OGG1_dirichlet_test.467
OGG1_dirichlet_test.468
OGG1_dirichlet_test.469
OGG1_dirichlet_test.470
UNG_dirichlet_test.489
UNG_dirichlet_test.490
UNG_dirichlet_test.491
UNG_dirichlet_test.492
UNG_dirichlet_test.493
OGG1_dirichlet_test.471
UNG_dirichlet_test.447
UNG_dirichlet_test.446
UNG_dirichlet_test.384
OGG1_dirichlet_test.393
UNG_dirichlet_test.395
OGG1_dirichlet_test.387
OGG1_dirichlet_test.388
OGG1_dirichlet_test.389
OGG1_dirichlet_test.390
OGG1_dirichlet_test.391
UNG_dirichlet_test.396
OGG1_dirichlet_test.392
UNG_dirichlet_test.397
UNG_dirichlet_test.398
UNG_dirichlet_test.399
UNG_dirichlet_test.400
UNG_dirichlet_test.401
UNG_dirichlet_test.402
UNG_dirichlet_test.445
OGG1_dirichlet_test.394
UNG_dirichlet_test.403
OGG1_dirichlet_test.395
OGG1_dirichlet_test.396
UNG_dirichlet_test.404
UNG_dirichlet_test.405
OGG1_dirichlet_test.397
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

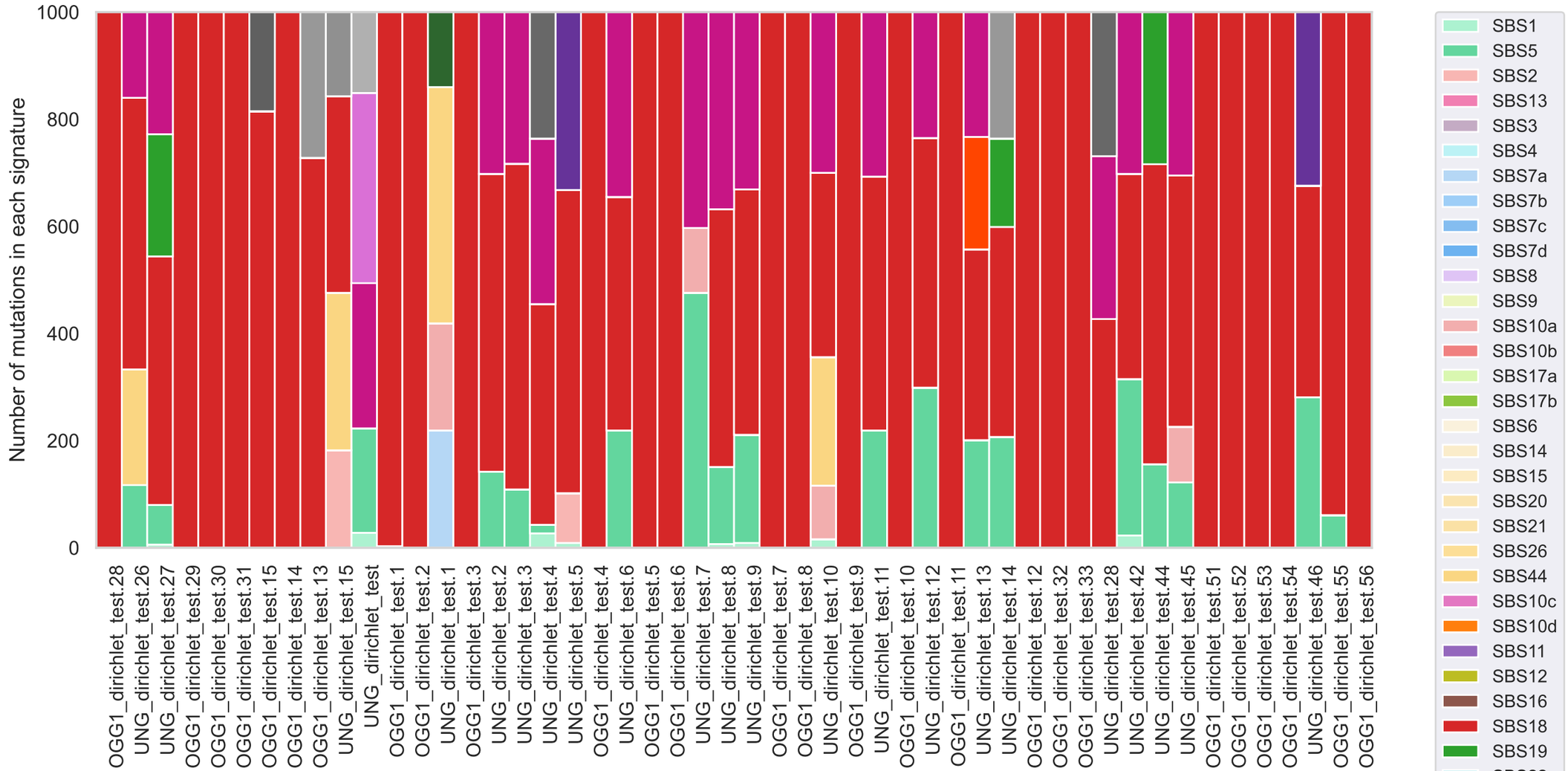

Number of mutations in each signature
1000
800
600
400
200
0
UNG_dirichlet_test.406
UNG_dirichlet_test.407
UNG_dirichlet_test.408
UNG_dirichlet_test.409
OGG1_dirichlet_test.398
UNG_dirichlet_test.410
UNG_dirichlet_test.394
OGG1_dirichlet_test.386
OGG1_dirichlet_test.385
OGG1_dirichlet_test.384
OGG1_dirichlet_test.366
OGG1_dirichlet_test.367
UNG_dirichlet_test.385
OGG1_dirichlet_test.368
OGG1_dirichlet_test.369
OGG1_dirichlet_test.370
OGG1_dirichlet_test.371
OGG1_dirichlet_test.372
UNG_dirichlet_test.386
UNG_dirichlet_test.387
UNG_dirichlet_test.388
OGG1_dirichlet_test.373
OGG1_dirichlet_test.374
OGG1_dirichlet_test.375
UNG_dirichlet_test.389
OGG1_dirichlet_test.376
OGG1_dirichlet_test.377
UNG_dirichlet_test.390
OGG1_dirichlet_test.378
OGG1_dirichlet_test.379
OGG1_dirichlet_test.380
UNG_dirichlet_test.391
UNG_dirichlet_test.392
OGG1_dirichlet_test.381
UNG_dirichlet_test.393
OGG1_dirichlet_test.382
OGG1_dirichlet_test.383
UNG_dirichlet_test.411
OGG1_dirichlet_test.399
UNG_dirichlet_test.412
UNG_dirichlet_test.428
UNG_dirichlet_test.429
UNG_dirichlet_test.430
OGG1_dirichlet_test.416
OGG1_dirichlet_test.417
OGG1_dirichlet_test.418
UNG_dirichlet_test.431
UNG_dirichlet_test.432
UNG_dirichlet_test.433
OGG1_dirichlet_test.419
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

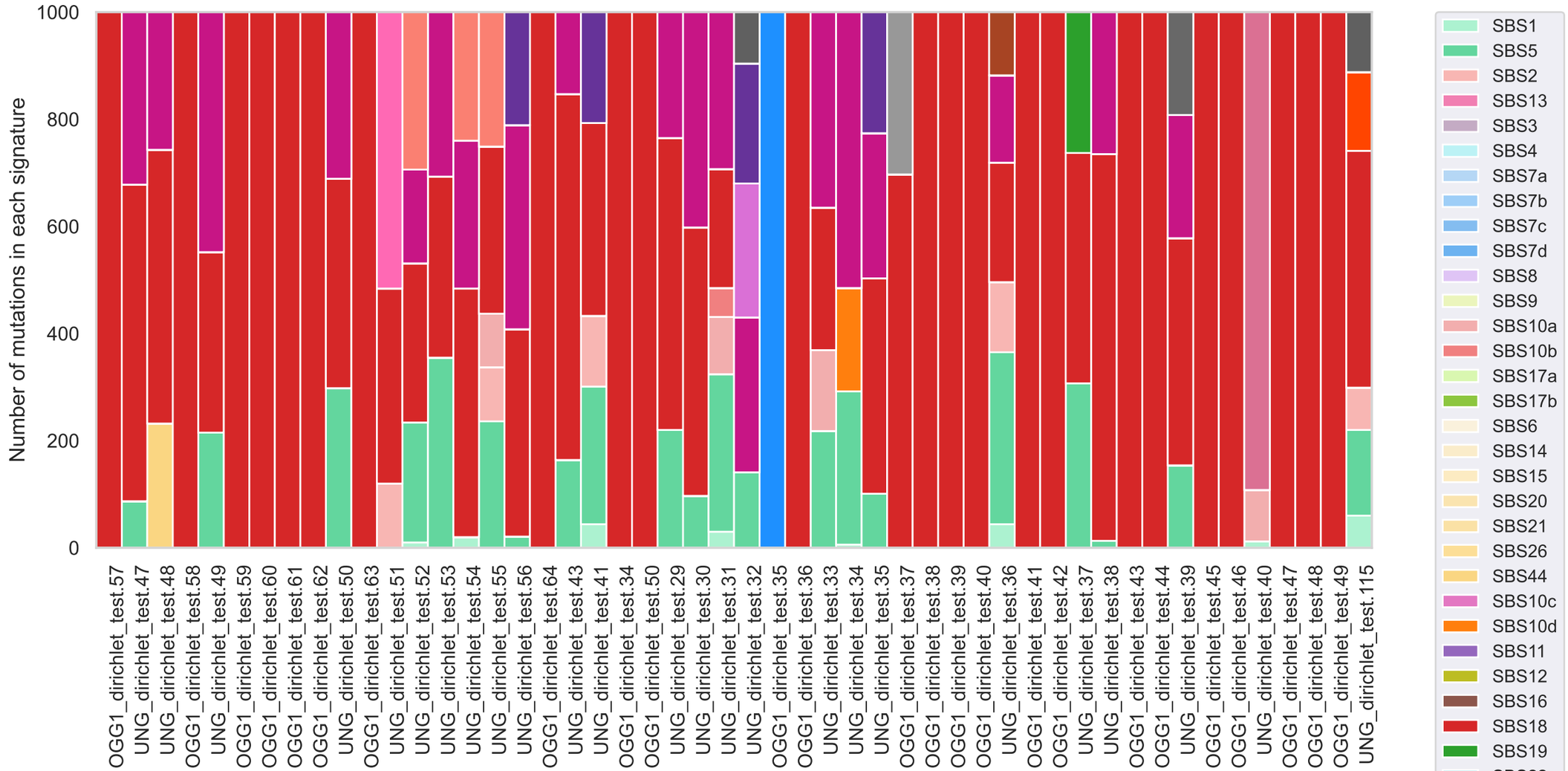

Number of mutations in each signature
1000
800
600
400
200
0
UNG_dirichlet_test.434
UNG_dirichlet_test.435
UNG_dirichlet_test.436
UNG_dirichlet_test.437
UNG_dirichlet_test.438
OGG1_dirichlet_test.420
OGG1_dirichlet_test.421
OGG1_dirichlet_test.422
UNG_dirichlet_test.439
OGG1_dirichlet_test.423
UNG_dirichlet_test.440
OGG1_dirichlet_test.424
UNG_dirichlet_test.441
OGG1_dirichlet_test.425
OGG1_dirichlet_test.426
UNG_dirichlet_test.442
UNG_dirichlet_test.443
UNG_dirichlet_test.444
OGG1_dirichlet_test.415
UNG_dirichlet_test.427
UNG_dirichlet_test.413
OGG1_dirichlet_test.414
OGG1_dirichlet_test.400
OGG1_dirichlet_test.401
OGG1_dirichlet_test.402
OGG1_dirichlet_test.403
OGG1_dirichlet_test.404
UNG_dirichlet_test.414
UNG_dirichlet_test.415
OGG1_dirichlet_test.405
OGG1_dirichlet_test.406
OGG1_dirichlet_test.407
UNG_dirichlet_test.416
OGG1_dirichlet_test.408
UNG_dirichlet_test.417
UNG_dirichlet_test.418
OGG1_dirichlet_test.409
UNG_dirichlet_test.419
UNG_dirichlet_test.420
UNG_dirichlet_test.421
OGG1_dirichlet_test.410
OGG1_dirichlet_test.411
UNG_dirichlet_test.422
UNG_dirichlet_test.423
UNG_dirichlet_test.424
UNG_dirichlet_test.425
OGG1_dirichlet_test.412
OGG1_dirichlet_test.413
UNG_dirichlet_test.426
UNG_dirichlet_test.256
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

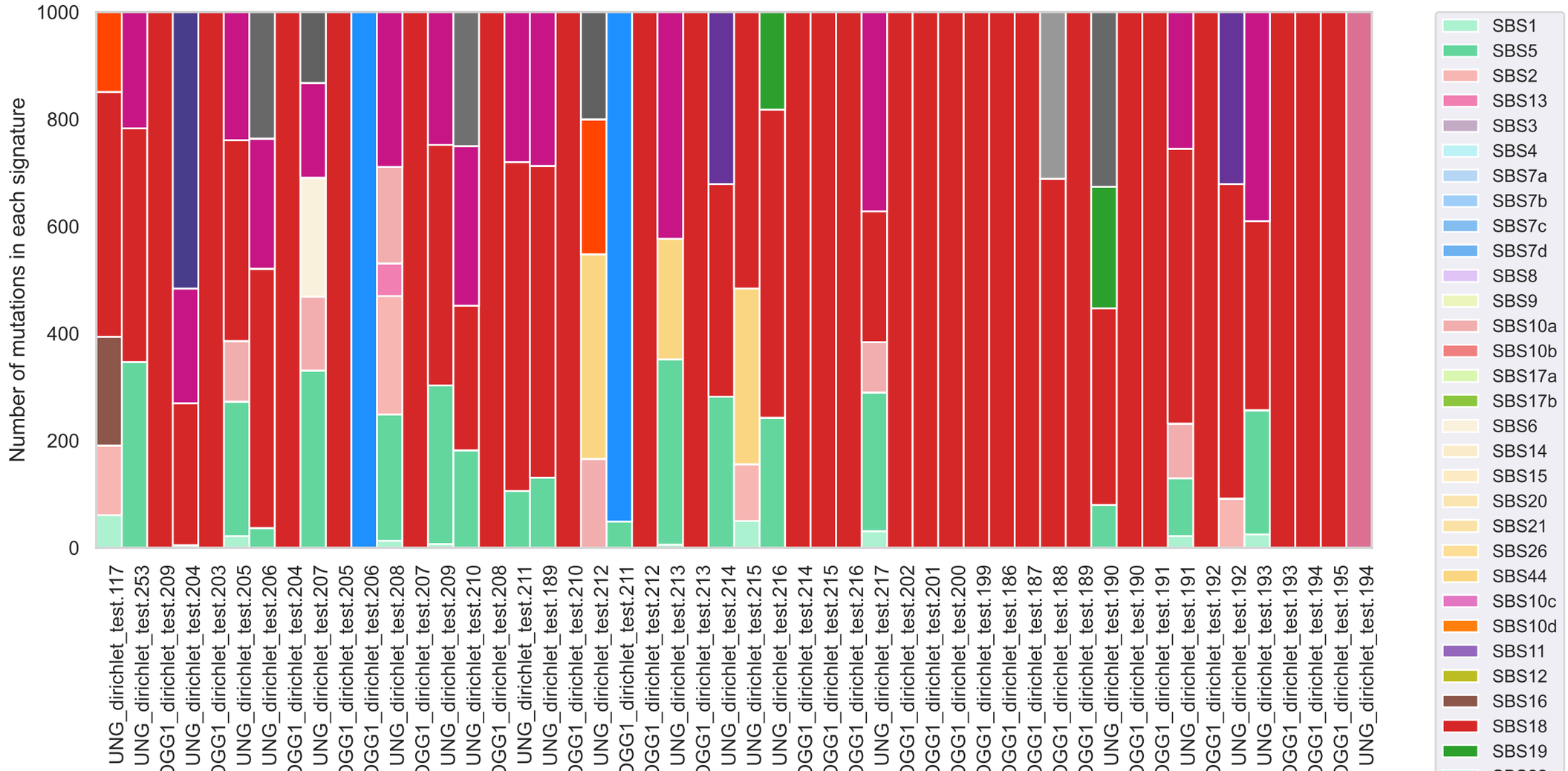

Number of mutations in each signature
1000
800
600
400
200
0
UNG_dirichlet_test.254
OGG1_dirichlet_test
OGG1_dirichlet_test.92
UNG_dirichlet_test.74
UNG_dirichlet_test.75
OGG1_dirichlet_test.83
OGG1_dirichlet_test.84
UNG_dirichlet_test.76
OGG1_dirichlet_test.85
OGG1_dirichlet_test.86
OGG1_dirichlet_test.87
OGG1_dirichlet_test.88
OGG1_dirichlet_test.89
OGG1_dirichlet_test.90
OGG1_dirichlet_test.91
UNG_dirichlet_test.77
OGG1_dirichlet_test.93
OGG1_dirichlet_test.66
UNG_dirichlet_test.78
OGG1_dirichlet_test.94
UNG_dirichlet_test.79
OGG1_dirichlet_test.95
UNG_dirichlet_test.80
OGG1_dirichlet_test.96
UNG_dirichlet_test.81
OGG1_dirichlet_test.97
OGG1_dirichlet_test.98
UNG_dirichlet_test.82
OGG1_dirichlet_test.99
OGG1_dirichlet_test.100
OGG1_dirichlet_test.101
OGG1_dirichlet_test.82
UNG_dirichlet_test.73
UNG_dirichlet_test.72
UNG_dirichlet_test.71
UNG_dirichlet_test.58
OGG1_dirichlet_test.68
UNG_dirichlet_test.59
UNG_dirichlet_test.60
OGG1_dirichlet_test.69
UNG_dirichlet_test.61
UNG_dirichlet_test.62
OGG1_dirichlet_test.70
UNG_dirichlet_test.63
OGG1_dirichlet_test.71
OGG1_dirichlet_test.72
UNG_dirichlet_test.64
OGG1_dirichlet_test.73
OGG1_dirichlet_test.74
UNG_dirichlet_test.65
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

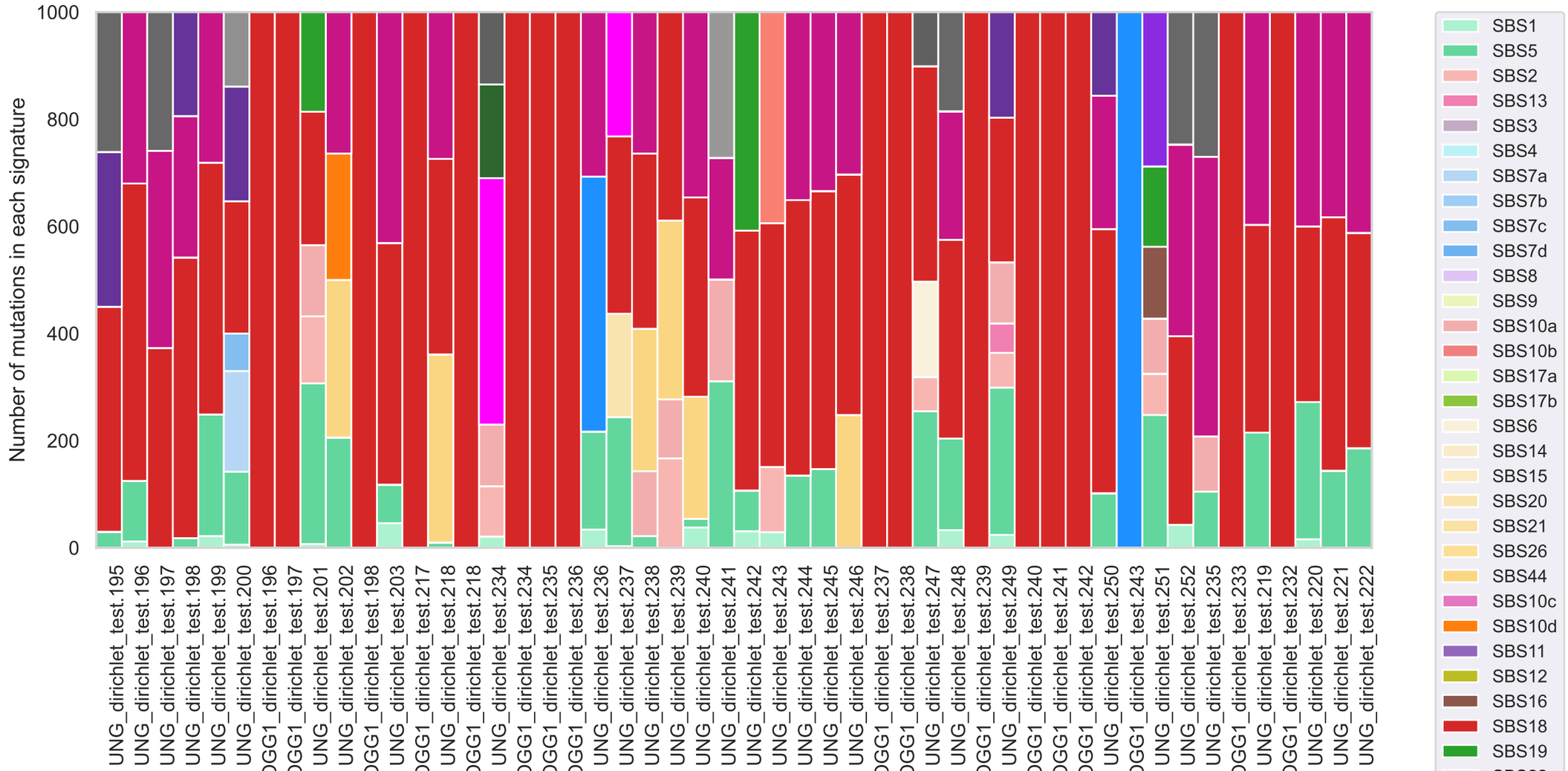

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.75
UNG_dirichlet_test.66
UNG_dirichlet_test.67
OGG1_dirichlet_test.76
OGG1_dirichlet_test.77
UNG_dirichlet_test.68
OGG1_dirichlet_test.78
UNG_dirichlet_test.69
OGG1_dirichlet_test.79
OGG1_dirichlet_test.80
UNG_dirichlet_test.70
OGG1_dirichlet_test.81
UNG_dirichlet_test.83
OGG1_dirichlet_test.102
UNG_dirichlet_test.84
OGG1_dirichlet_test.121
UNG_dirichlet_test.98
OGG1_dirichlet_test.122
UNG_dirichlet_test.99
UNG_dirichlet_test.100
UNG_dirichlet_test.101
UNG_dirichlet_test.102
UNG_dirichlet_test.103
OGG1_dirichlet_test.123
UNG_dirichlet_test.104
OGG1_dirichlet_test.124
UNG_dirichlet_test.105
OGG1_dirichlet_test.125
UNG_dirichlet_test.106
UNG_dirichlet_test.107
UNG_dirichlet_test.108
UNG_dirichlet_test.109
OGG1_dirichlet_test.126
UNG_dirichlet_test.110
OGG1_dirichlet_test.127
OGG1_dirichlet_test.128
OGG1_dirichlet_test.129
UNG_dirichlet_test.111
UNG_dirichlet_test.112
OGG1_dirichlet_test.130
UNG_dirichlet_test.113
OGG1_dirichlet_test.131
UNG_dirichlet_test.114
UNG_dirichlet_test.97
OGG1_dirichlet_test.120
OGG1_dirichlet_test.103
OGG1_dirichlet_test.119
OGG1_dirichlet_test.104
OGG1_dirichlet_test.105
OGG1_dirichlet_test.106
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

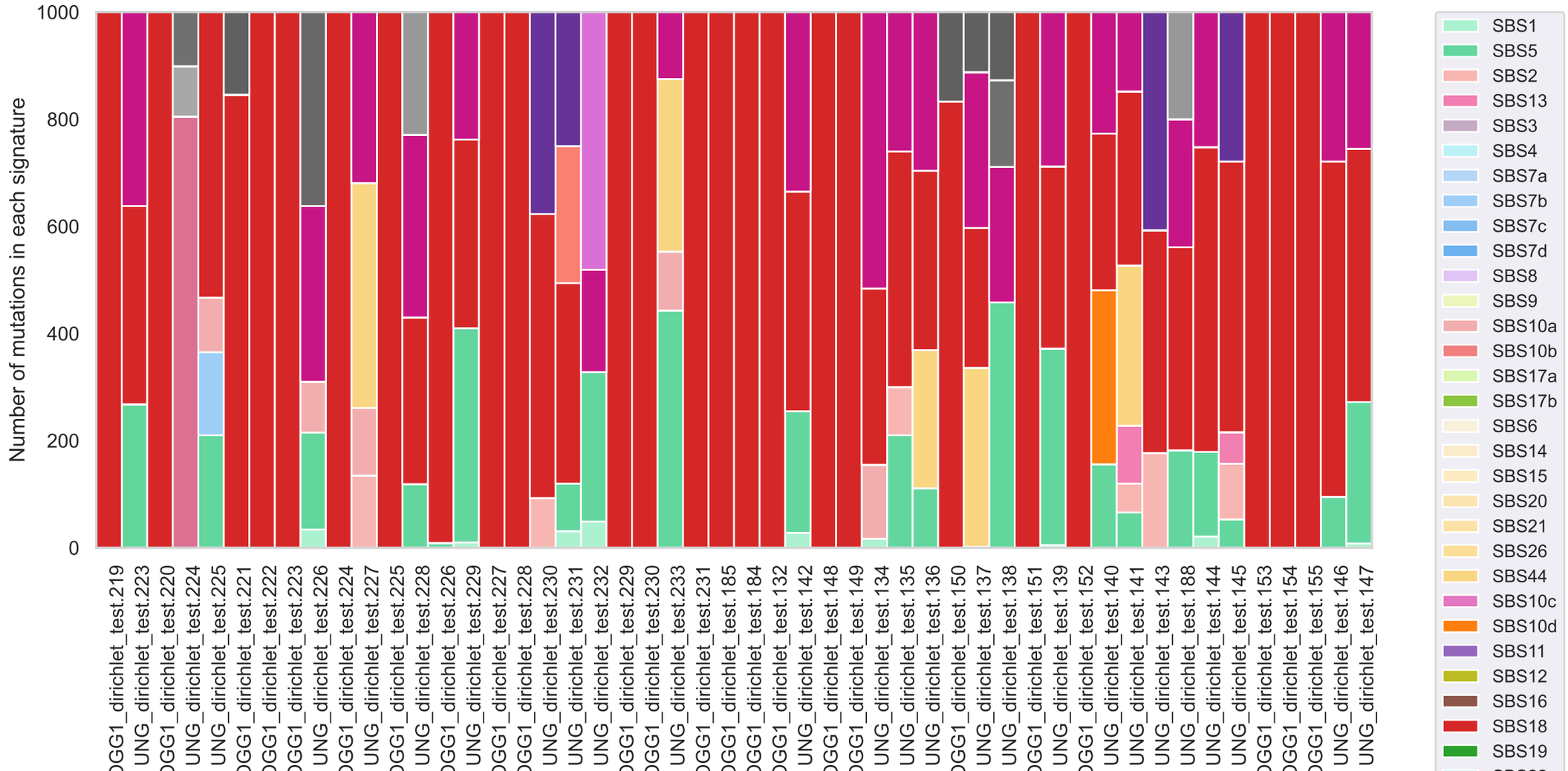

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.107
UNG_dirichlet_test.85
OGG1_dirichlet_test.108
UNG_dirichlet_test.86
UNG_dirichlet_test.87
OGG1_dirichlet_test.109
OGG1_dirichlet_test.110
UNG_dirichlet_test.88
OGG1_dirichlet_test.111
UNG_dirichlet_test.89
UNG_dirichlet_test.90
OGG1_dirichlet_test.112
OGG1_dirichlet_test.113
OGG1_dirichlet_test.114
UNG_dirichlet_test.91
OGG1_dirichlet_test.115
OGG1_dirichlet_test.116
OGG1_dirichlet_test.117
OGG1_dirichlet_test.118
UNG_dirichlet_test.92
UNG_dirichlet_test.93
UNG_dirichlet_test.94
UNG_dirichlet_test.95
UNG_dirichlet_test.96
OGG1_dirichlet_test.67
OGG1_dirichlet_test.65
UNG_dirichlet_test.116
OGG1_dirichlet_test.24
OGG1_dirichlet_test.16
OGG1_dirichlet_test.17
OGG1_dirichlet_test.18
OGG1_dirichlet_test.19
UNG_dirichlet_test.16
UNG_dirichlet_test.17
OGG1_dirichlet_test.20
OGG1_dirichlet_test.21
UNG_dirichlet_test.18
OGG1_dirichlet_test.22
UNG_dirichlet_test.19
OGG1_dirichlet_test.23
UNG_dirichlet_test.20
UNG_dirichlet_test.21
UNG_dirichlet_test.57
OGG1_dirichlet_test.25
UNG_dirichlet_test.22
OGG1_dirichlet_test.26
OGG1_dirichlet_test.27
UNG_dirichlet_test.23
UNG_dirichlet_test.24
UNG_dirichlet_test.25
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

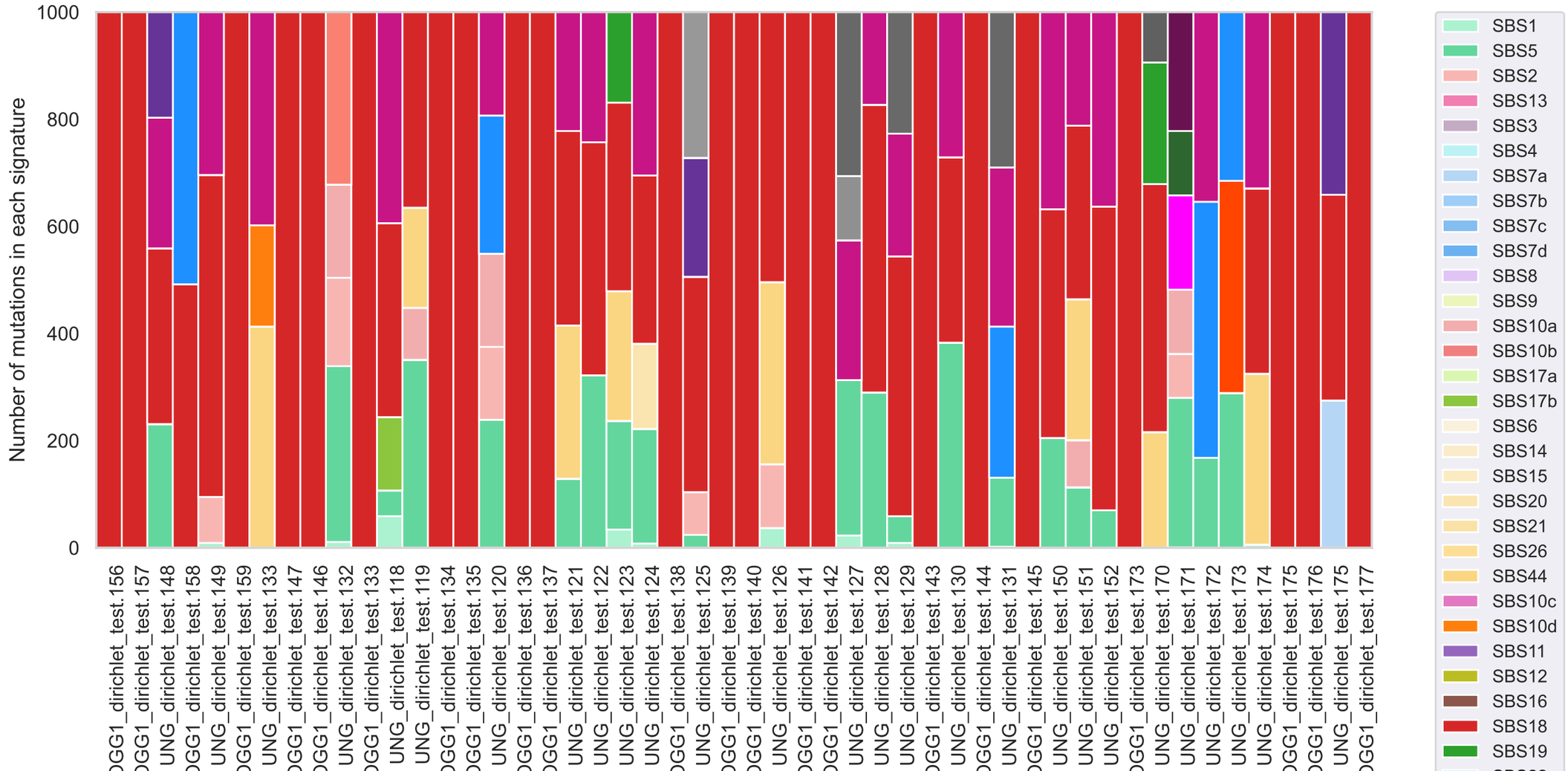

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.28
UNG_dirichlet_test.26
UNG_dirichlet_test.27
OGG1_dirichlet_test.29
OGG1_dirichlet_test.30
OGG1_dirichlet_test.31
OGG1_dirichlet_test.15
OGG1_dirichlet_test.14
OGG1_dirichlet_test.13
UNG_dirichlet_test.15
UNG_dirichlet_test
OGG1_dirichlet_test.1
OGG1_dirichlet_test.2
UNG_dirichlet_test.1
OGG1_dirichlet_test.3
UNG_dirichlet_test.2
UNG_dirichlet_test.3
UNG_dirichlet_test.4
UNG_dirichlet_test.5
OGG1_dirichlet_test.4
UNG_dirichlet_test.6
OGG1_dirichlet_test.5
OGG1_dirichlet_test.6
UNG_dirichlet_test.7
UNG_dirichlet_test.8
UNG_dirichlet_test.9
OGG1_dirichlet_test.7
OGG1_dirichlet_test.8
UNG_dirichlet_test.10
OGG1_dirichlet_test.9
UNG_dirichlet_test.11
OGG1_dirichlet_test.10
UNG_dirichlet_test.12
OGG1_dirichlet_test.11
UNG_dirichlet_test.13
UNG_dirichlet_test.14
OGG1_dirichlet_test.12
OGG1_dirichlet_test.32
OGG1_dirichlet_test.33
UNG_dirichlet_test.28
UNG_dirichlet_test.42
UNG_dirichlet_test.44
UNG_dirichlet_test.45
OGG1_dirichlet_test.51
OGG1_dirichlet_test.52
OGG1_dirichlet_test.53
OGG1_dirichlet_test.54
UNG_dirichlet_test.46
OGG1_dirichlet_test.55
OGG1_dirichlet_test.56
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

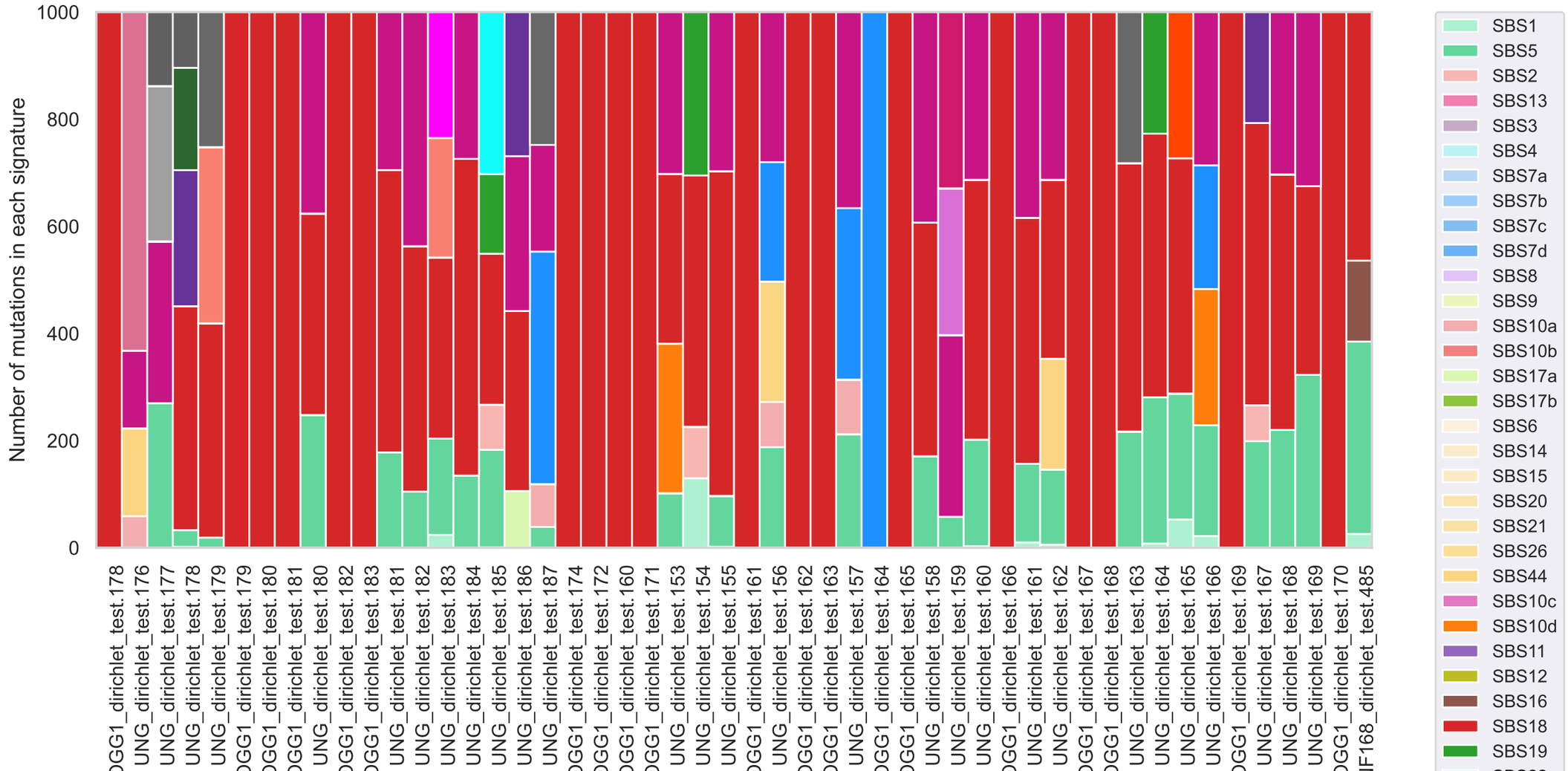

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.57
UNG_dirichlet_test.47
UNG_dirichlet_test.48
OGG1_dirichlet_test.58
UNG_dirichlet_test.49
OGG1_dirichlet_test.59
OGG1_dirichlet_test.60
OGG1_dirichlet_test.61
OGG1_dirichlet_test.62
UNG_dirichlet_test.50
OGG1_dirichlet_test.63
UNG_dirichlet_test.51
UNG_dirichlet_test.52
UNG_dirichlet_test.53
UNG_dirichlet_test.54
UNG_dirichlet_test.55
UNG_dirichlet_test.56
OGG1_dirichlet_test.64
UNG_dirichlet_test.43
UNG_dirichlet_test.41
OGG1_dirichlet_test.34
OGG1_dirichlet_test.50
UNG_dirichlet_test.29
UNG_dirichlet_test.30
UNG_dirichlet_test.31
UNG_dirichlet_test.32
OGG1_dirichlet_test.35
OGG1_dirichlet_test.36
UNG_dirichlet_test.33
UNG_dirichlet_test.34
UNG_dirichlet_test.35
OGG1_dirichlet_test.37
OGG1_dirichlet_test.38
OGG1_dirichlet_test.39
OGG1_dirichlet_test.40
UNG_dirichlet_test.36
OGG1_dirichlet_test.41
OGG1_dirichlet_test.42
UNG_dirichlet_test.37
UNG_dirichlet_test.38
OGG1_dirichlet_test.43
OGG1_dirichlet_test.44
UNG_dirichlet_test.39
OGG1_dirichlet_test.45
OGG1_dirichlet_test.46
UNG_dirichlet_test.40
OGG1_dirichlet_test.47
OGG1_dirichlet_test.48
OGG1_dirichlet_test.49
UNG_dirichlet_test.115
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

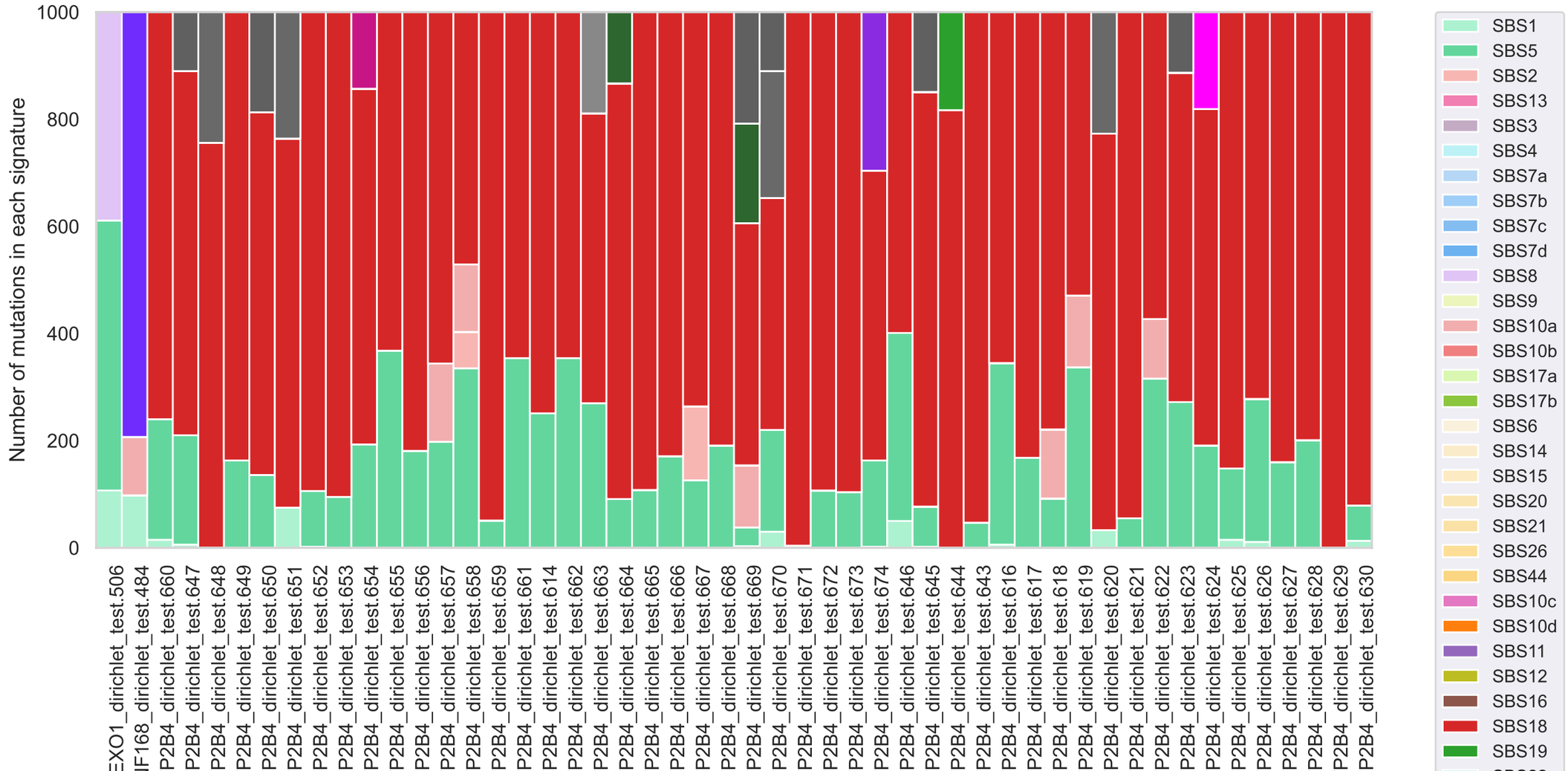

Number of mutations in each signature
1000
800
600
400
200
0
UNG_dirichlet_test.117
UNG_dirichlet_test.253
OGG1_dirichlet_test.209
UNG_dirichlet_test.204
OGG1_dirichlet_test.203
UNG_dirichlet_test.205
UNG_dirichlet_test.206
OGG1_dirichlet_test.204
UNG_dirichlet_test.207
OGG1_dirichlet_test.205
OGG1_dirichlet_test.206
UNG_dirichlet_test.208
OGG1_dirichlet_test.207
UNG_dirichlet_test.209
UNG_dirichlet_test.210
OGG1_dirichlet_test.208
UNG_dirichlet_test.211
UNG_dirichlet_test.189
OGG1_dirichlet_test.210
UNG_dirichlet_test.212
OGG1_dirichlet_test.211
OGG1_dirichlet_test.212
UNG_dirichlet_test.213
OGG1_dirichlet_test.213
UNG_dirichlet_test.214
UNG_dirichlet_test.215
UNG_dirichlet_test.216
OGG1_dirichlet_test.214
OGG1_dirichlet_test.215
OGG1_dirichlet_test.216
UNG_dirichlet_test.217
OGG1_dirichlet_test.202
OGG1_dirichlet_test.201
OGG1_dirichlet_test.200
OGG1_dirichlet_test.199
OGG1_dirichlet_test.186
OGG1_dirichlet_test.187
OGG1_dirichlet_test.188
OGG1_dirichlet_test.189
UNG_dirichlet_test.190
OGG1_dirichlet_test.190
OGG1_dirichlet_test.191
UNG_dirichlet_test.191
OGG1_dirichlet_test.192
UNG_dirichlet_test.192
UNG_dirichlet_test.193
OGG1_dirichlet_test.193
OGG1_dirichlet_test.194
OGG1_dirichlet_test.195
UNG_dirichlet_test.194
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

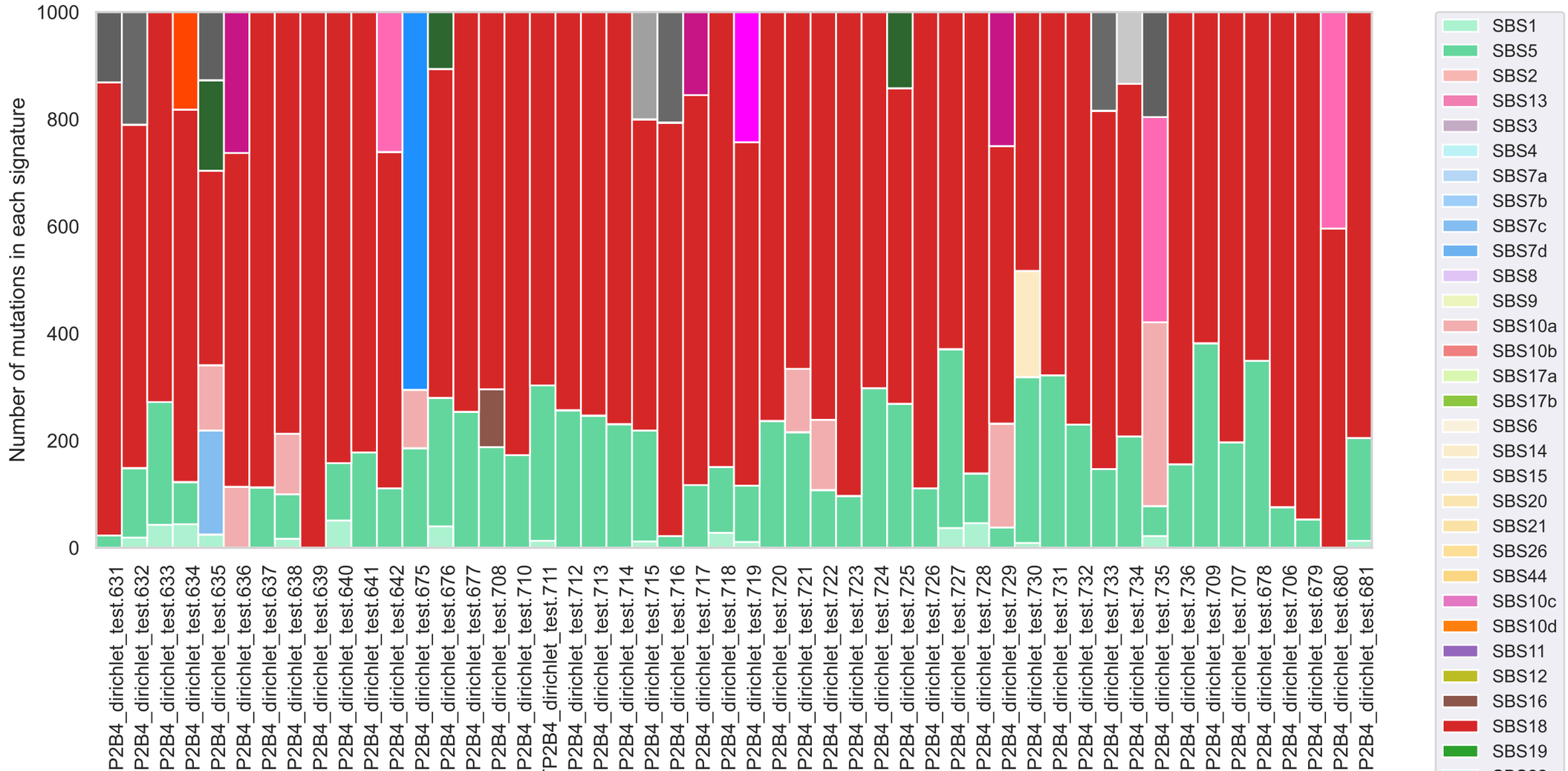

Number of mutations in each signature
1000
800
600
400
200
0
UNG_dirichlet_test.195
UNG_dirichlet_test.196
UNG_dirichlet_test.197
UNG_dirichlet_test.198
UNG_dirichlet_test.199
UNG_dirichlet_test.200
OGG1_dirichlet_test.196
OGG1_dirichlet_test.197
UNG_dirichlet_test.201
UNG_dirichlet_test.202
OGG1_dirichlet_test.198
UNG_dirichlet_test.203
OGG1_dirichlet_test.217
UNG_dirichlet_test.218
OGG1_dirichlet_test.218
UNG_dirichlet_test.234
OGG1_dirichlet_test.234
OGG1_dirichlet_test.235
OGG1_dirichlet_test.236
UNG_dirichlet_test.236
UNG_dirichlet_test.237
UNG_dirichlet_test.238
UNG_dirichlet_test.239
UNG_dirichlet_test.240
UNG_dirichlet_test.241
UNG_dirichlet_test.242
UNG_dirichlet_test.243
UNG_dirichlet_test.244
UNG_dirichlet_test.245
UNG_dirichlet_test.246
OGG1_dirichlet_test.237
OGG1_dirichlet_test.238
UNG_dirichlet_test.247
UNG_dirichlet_test.248
OGG1_dirichlet_test.239
UNG_dirichlet_test.249
OGG1_dirichlet_test.240
OGG1_dirichlet_test.241
OGG1_dirichlet_test.242
UNG_dirichlet_test.250
OGG1_dirichlet_test.243
UNG_dirichlet_test.251
UNG_dirichlet_test.252
UNG_dirichlet_test.235
OGG1_dirichlet_test.233
UNG_dirichlet_test.219
OGG1_dirichlet_test.232
UNG_dirichlet_test.220
UNG_dirichlet_test.221
UNG_dirichlet_test.222
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

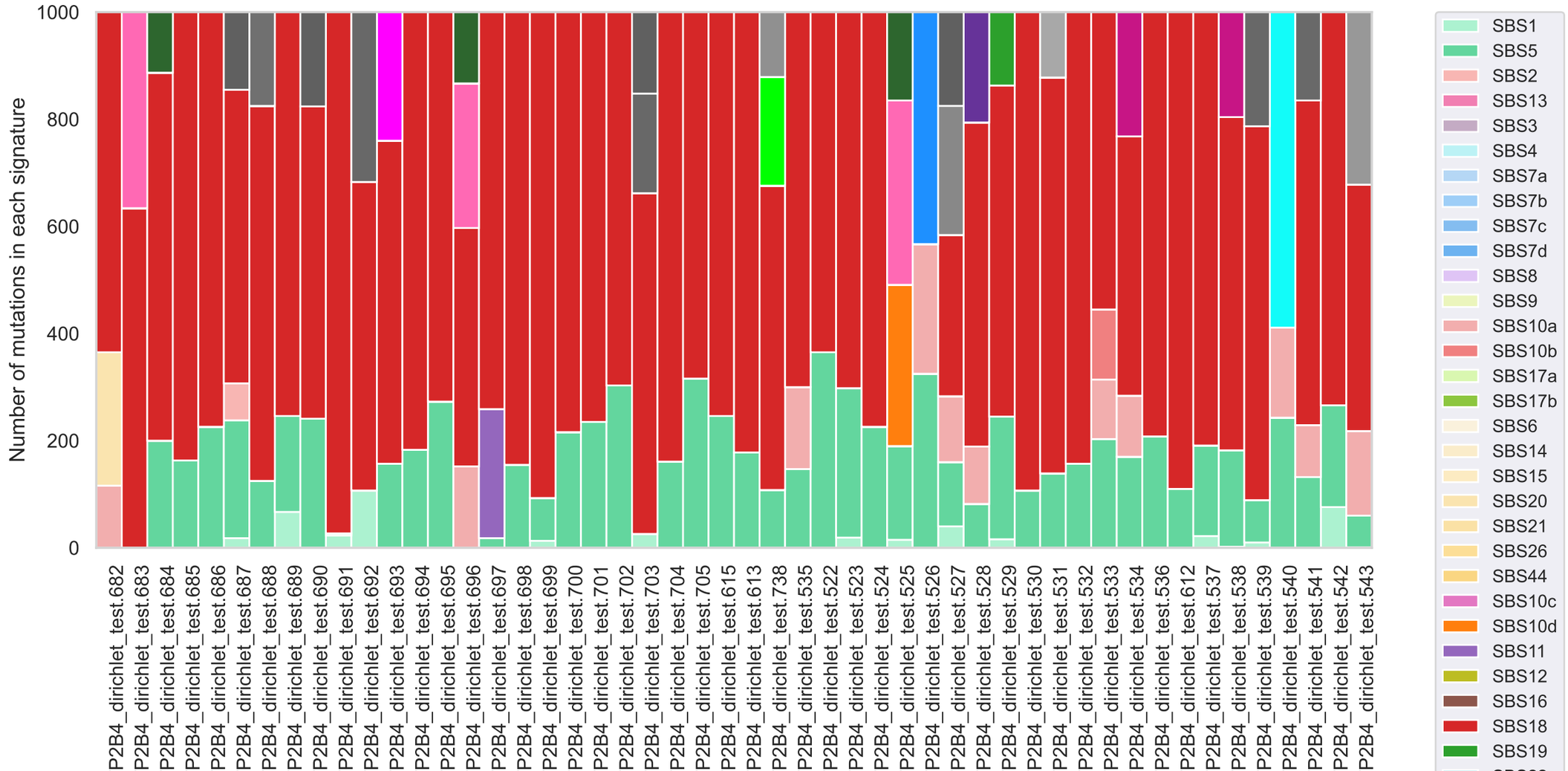

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.219
UNG_dirichlet_test.223
OGG1_dirichlet_test.220
UNG_dirichlet_test.224
UNG_dirichlet_test.225
OGG1_dirichlet_test.221
OGG1_dirichlet_test.222
OGG1_dirichlet_test.223
UNG_dirichlet_test.226
OGG1_dirichlet_test.224
UNG_dirichlet_test.227
OGG1_dirichlet_test.225
UNG_dirichlet_test.228
OGG1_dirichlet_test.226
UNG_dirichlet_test.229
OGG1_dirichlet_test.227
OGG1_dirichlet_test.228
UNG_dirichlet_test.230
UNG_dirichlet_test.231
UNG_dirichlet_test.232
OGG1_dirichlet_test.229
OGG1_dirichlet_test.230
UNG_dirichlet_test.233
OGG1_dirichlet_test.231
OGG1_dirichlet_test.185
OGG1_dirichlet_test.184
OGG1_dirichlet_test.132
UNG_dirichlet_test.142
OGG1_dirichlet_test.148
OGG1_dirichlet_test.149
UNG_dirichlet_test.134
UNG_dirichlet_test.135
UNG_dirichlet_test.136
OGG1_dirichlet_test.150
UNG_dirichlet_test.137
UNG_dirichlet_test.138
OGG1_dirichlet_test.151
UNG_dirichlet_test.139
OGG1_dirichlet_test.152
UNG_dirichlet_test.140
UNG_dirichlet_test.141
UNG_dirichlet_test.143
UNG_dirichlet_test.188
UNG_dirichlet_test.144
UNG_dirichlet_test.145
OGG1_dirichlet_test.153
OGG1_dirichlet_test.154
OGG1_dirichlet_test.155
UNG_dirichlet_test.146
UNG_dirichlet_test.147
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

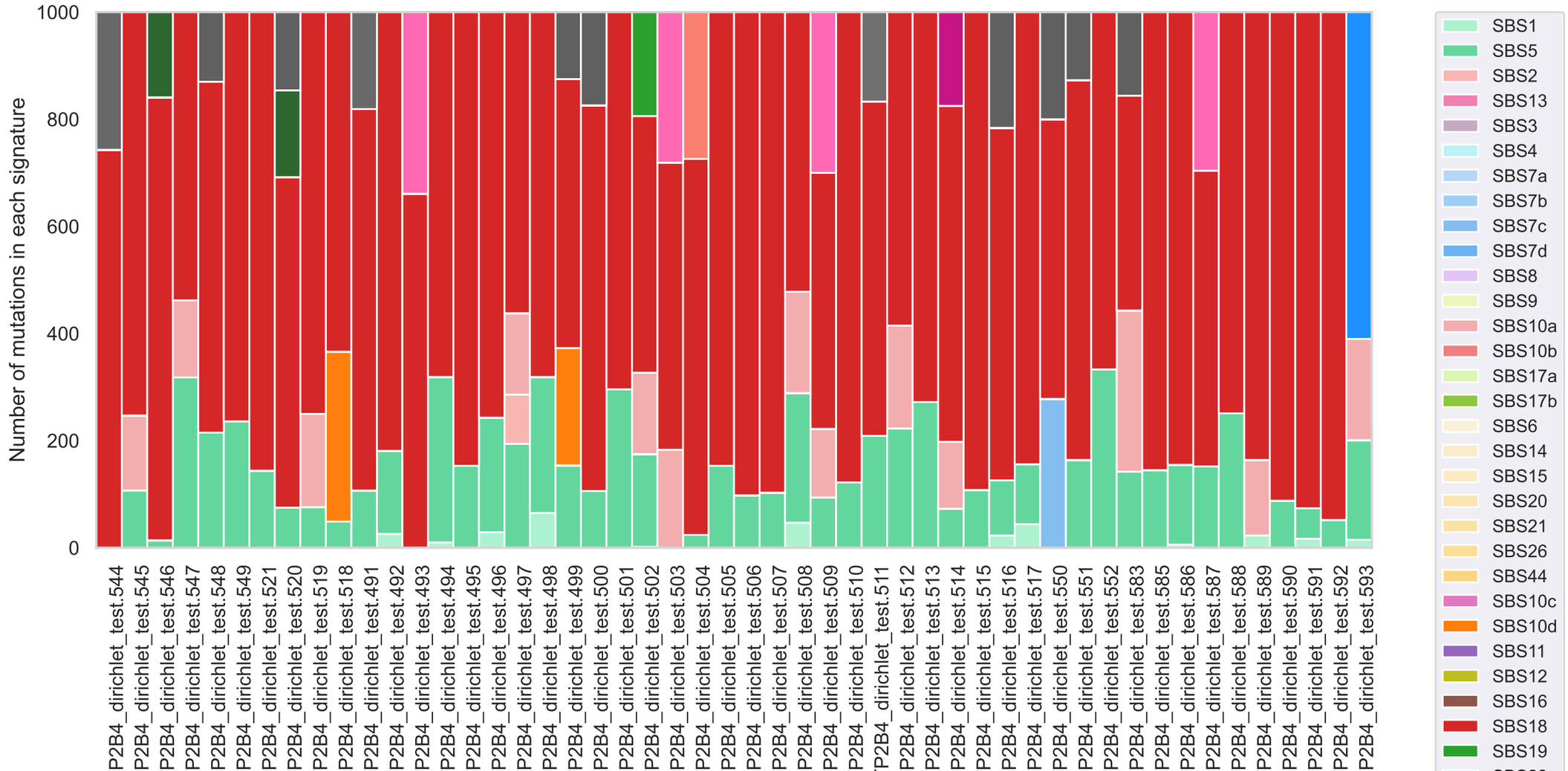

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.156
OGG1_dirichlet_test.157
UNG_dirichlet_test.148
OGG1_dirichlet_test.158
UNG_dirichlet_test.149
OGG1_dirichlet_test.159
UNG_dirichlet_test.133
OGG1_dirichlet_test.147
OGG1_dirichlet_test.146
UNG_dirichlet_test.132
OGG1_dirichlet_test.133
UNG_dirichlet_test.118
UNG_dirichlet_test.119
OGG1_dirichlet_test.134
OGG1_dirichlet_test.135
UNG_dirichlet_test.120
OGG1_dirichlet_test.136
OGG1_dirichlet_test.137
UNG_dirichlet_test.121
UNG_dirichlet_test.122
UNG_dirichlet_test.123
UNG_dirichlet_test.124
OGG1_dirichlet_test.138
UNG_dirichlet_test.125
OGG1_dirichlet_test.139
OGG1_dirichlet_test.140
UNG_dirichlet_test.126
OGG1_dirichlet_test.141
OGG1_dirichlet_test.142
UNG_dirichlet_test.127
UNG_dirichlet_test.128
UNG_dirichlet_test.129
OGG1_dirichlet_test.143
UNG_dirichlet_test.130
OGG1_dirichlet_test.144
UNG_dirichlet_test.131
OGG1_dirichlet_test.145
UNG_dirichlet_test.150
UNG_dirichlet_test.151
UNG_dirichlet_test.152
OGG1_dirichlet_test.173
UNG_dirichlet_test.170
UNG_dirichlet_test.171
UNG_dirichlet_test.172
UNG_dirichlet_test.173
UNG_dirichlet_test.174
OGG1_dirichlet_test.175
OGG1_dirichlet_test.176
UNG_dirichlet_test.175
OGG1_dirichlet_test.177
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

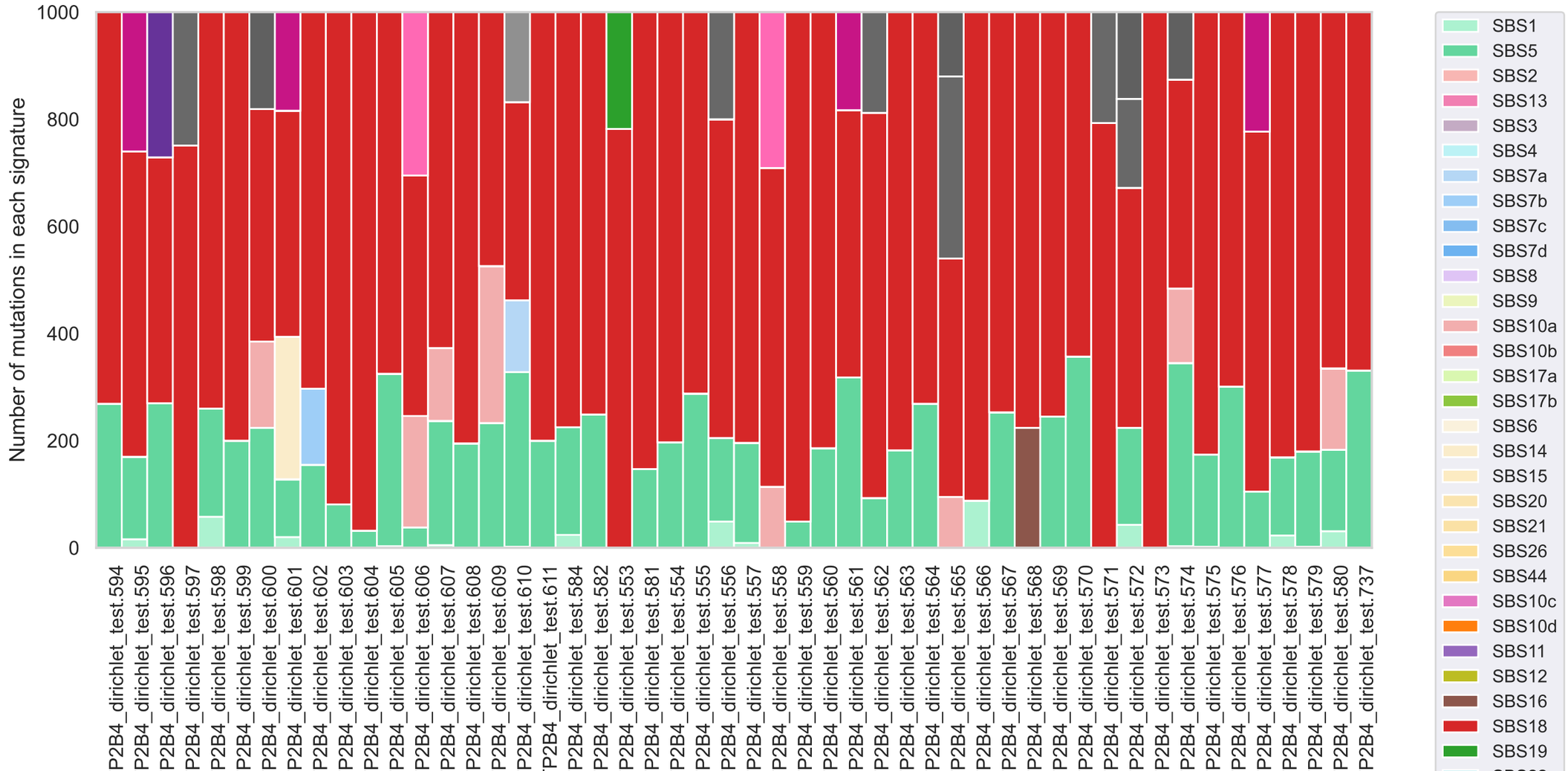

Number of mutations in each signature
1000
800
600
400
200
0
OGG1_dirichlet_test.178
UNG_dirichlet_test.176
UNG_dirichlet_test.177
UNG_dirichlet_test.178
UNG_dirichlet_test.179
OGG1_dirichlet_test.179
OGG1_dirichlet_test.180
OGG1_dirichlet_test.181
UNG_dirichlet_test.180
OGG1_dirichlet_test.182
OGG1_dirichlet_test.183
UNG_dirichlet_test.181
UNG_dirichlet_test.182
UNG_dirichlet_test.183
UNG_dirichlet_test.184
UNG_dirichlet_test.185
UNG_dirichlet_test.186
UNG_dirichlet_test.187
OGG1_dirichlet_test.174
OGG1_dirichlet_test.172
OGG1_dirichlet_test.160
OGG1_dirichlet_test.171
UNG_dirichlet_test.153
UNG_dirichlet_test.154
UNG_dirichlet_test.155
OGG1_dirichlet_test.161
UNG_dirichlet_test.156
OGG1_dirichlet_test.162
OGG1_dirichlet_test.163
UNG_dirichlet_test.157
OGG1_dirichlet_test.164
OGG1_dirichlet_test.165
UNG_dirichlet_test.158
UNG_dirichlet_test.159
UNG_dirichlet_test.160
OGG1_dirichlet_test.166
UNG_dirichlet_test.161
UNG_dirichlet_test.162
OGG1_dirichlet_test.167
OGG1_dirichlet_test.168
UNG_dirichlet_test.163
UNG_dirichlet_test.164
UNG_dirichlet_test.165
UNG_dirichlet_test.166
OGG1_dirichlet_test.169
UNG_dirichlet_test.167
UNG_dirichlet_test.168
UNG_dirichlet_test.169
OGG1_dirichlet_test.170
IF168_dirichlet_test.485
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

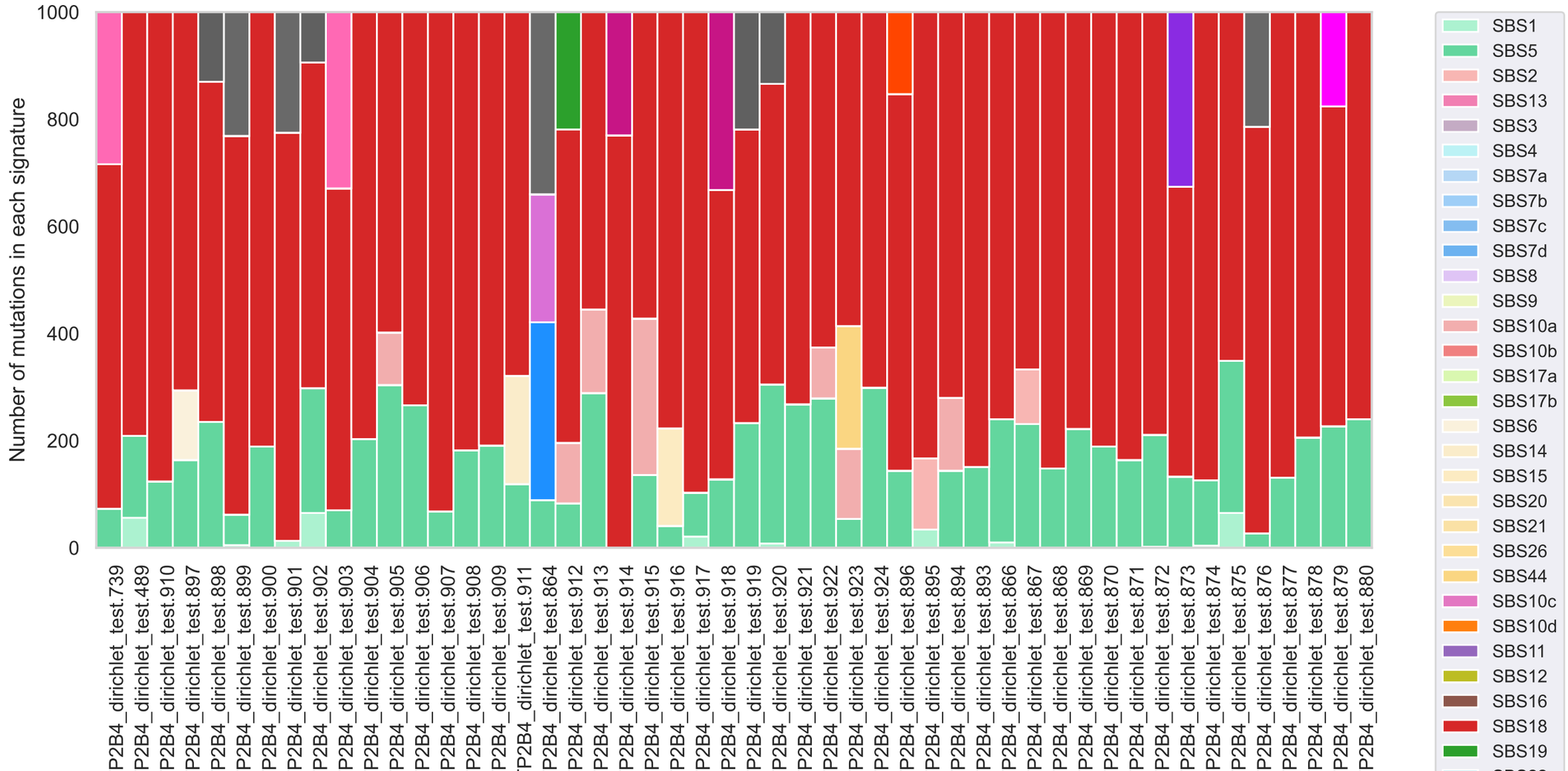

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.506
IF168_dirichlet_test.484
P2B4_dirichlet_test.660
P2B4_dirichlet_test.647
P2B4_dirichlet_test.648
P2B4_dirichlet_test.649
P2B4_dirichlet_test.650
P2B4_dirichlet_test.651
P2B4_dirichlet_test.652
P2B4_dirichlet_test.653
P2B4_dirichlet_test.654
P2B4_dirichlet_test.655
P2B4_dirichlet_test.656
P2B4_dirichlet_test.657
P2B4_dirichlet_test.658
P2B4_dirichlet_test.659
P2B4_dirichlet_test.661
P2B4_dirichlet_test.614
P2B4_dirichlet_test.662
P2B4_dirichlet_test.663
P2B4_dirichlet_test.664
P2B4_dirichlet_test.665
P2B4_dirichlet_test.666
P2B4_dirichlet_test.667
P2B4_dirichlet_test.668
P2B4_dirichlet_test.669
P2B4_dirichlet_test.670
P2B4_dirichlet_test.671
P2B4_dirichlet_test.672
P2B4_dirichlet_test.673
P2B4_dirichlet_test.674
P2B4_dirichlet_test.646
P2B4_dirichlet_test.645
P2B4_dirichlet_test.644
P2B4_dirichlet_test.643
P2B4_dirichlet_test.616
P2B4_dirichlet_test.617
P2B4_dirichlet_test.618
P2B4_dirichlet_test.619
P2B4_dirichlet_test.620
P2B4_dirichlet_test.621
P2B4_dirichlet_test.622
P2B4_dirichlet_test.623
P2B4_dirichlet_test.624
P2B4_dirichlet_test.625
P2B4_dirichlet_test.626
P2B4_dirichlet_test.627
P2B4_dirichlet_test.628
P2B4_dirichlet_test.629
P2B4_dirichlet_test.630
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

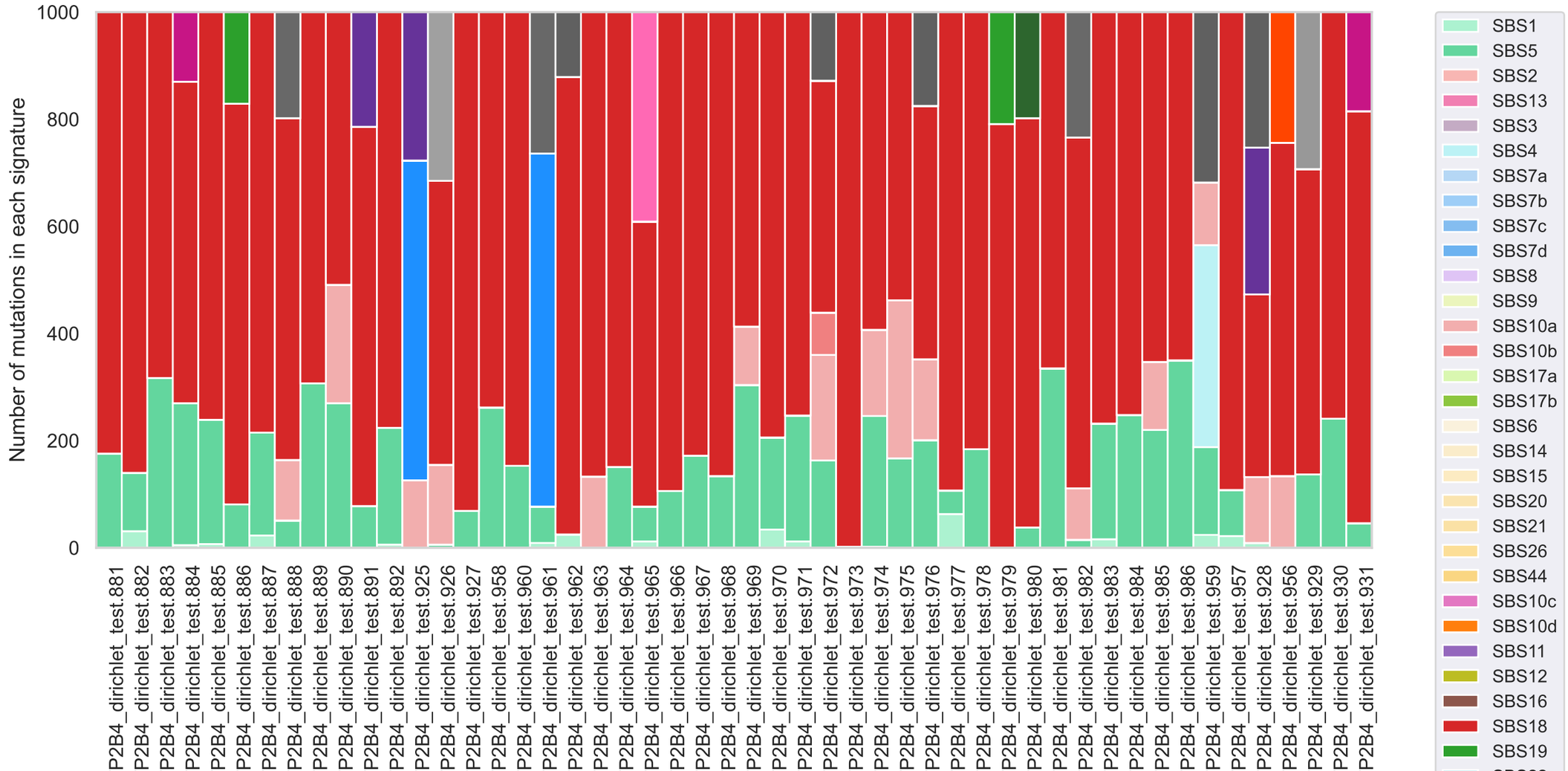

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.631
P2B4_dirichlet_test.632
P2B4_dirichlet_test.633
P2B4_dirichlet_test.634
P2B4_dirichlet_test.635
P2B4_dirichlet_test.636
P2B4_dirichlet_test.637
P2B4_dirichlet_test.638
P2B4_dirichlet_test.639
P2B4_dirichlet_test.640
P2B4_dirichlet_test.641
P2B4_dirichlet_test.642
P2B4_dirichlet_test.675
P2B4_dirichlet_test.676
P2B4_dirichlet_test.677
P2B4_dirichlet_test.708
P2B4_dirichlet_test.710
P2B4_dirichlet_test.711
P2B4_dirichlet_test.712
P2B4_dirichlet_test.713
P2B4_dirichlet_test.714
P2B4_dirichlet_test.715
P2B4_dirichlet_test.716
P2B4_dirichlet_test.717
P2B4_dirichlet_test.718
P2B4_dirichlet_test.719
P2B4_dirichlet_test.720
P2B4_dirichlet_test.721
P2B4_dirichlet_test.722
P2B4_dirichlet_test.723
P2B4_dirichlet_test.724
P2B4_dirichlet_test.725
P2B4_dirichlet_test.726
P2B4_dirichlet_test.727
P2B4_dirichlet_test.728
P2B4_dirichlet_test.729
P2B4_dirichlet_test.730
P2B4_dirichlet_test.731
P2B4_dirichlet_test.732
P2B4_dirichlet_test.733
P2B4_dirichlet_test.734
P2B4_dirichlet_test.735
P2B4_dirichlet_test.736
P2B4_dirichlet_test.709
P2B4_dirichlet_test.707
P2B4_dirichlet_test.678
P2B4_dirichlet_test.706
P2B4_dirichlet_test.679
P2B4_dirichlet_test.680
P2B4_dirichlet_test.681
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

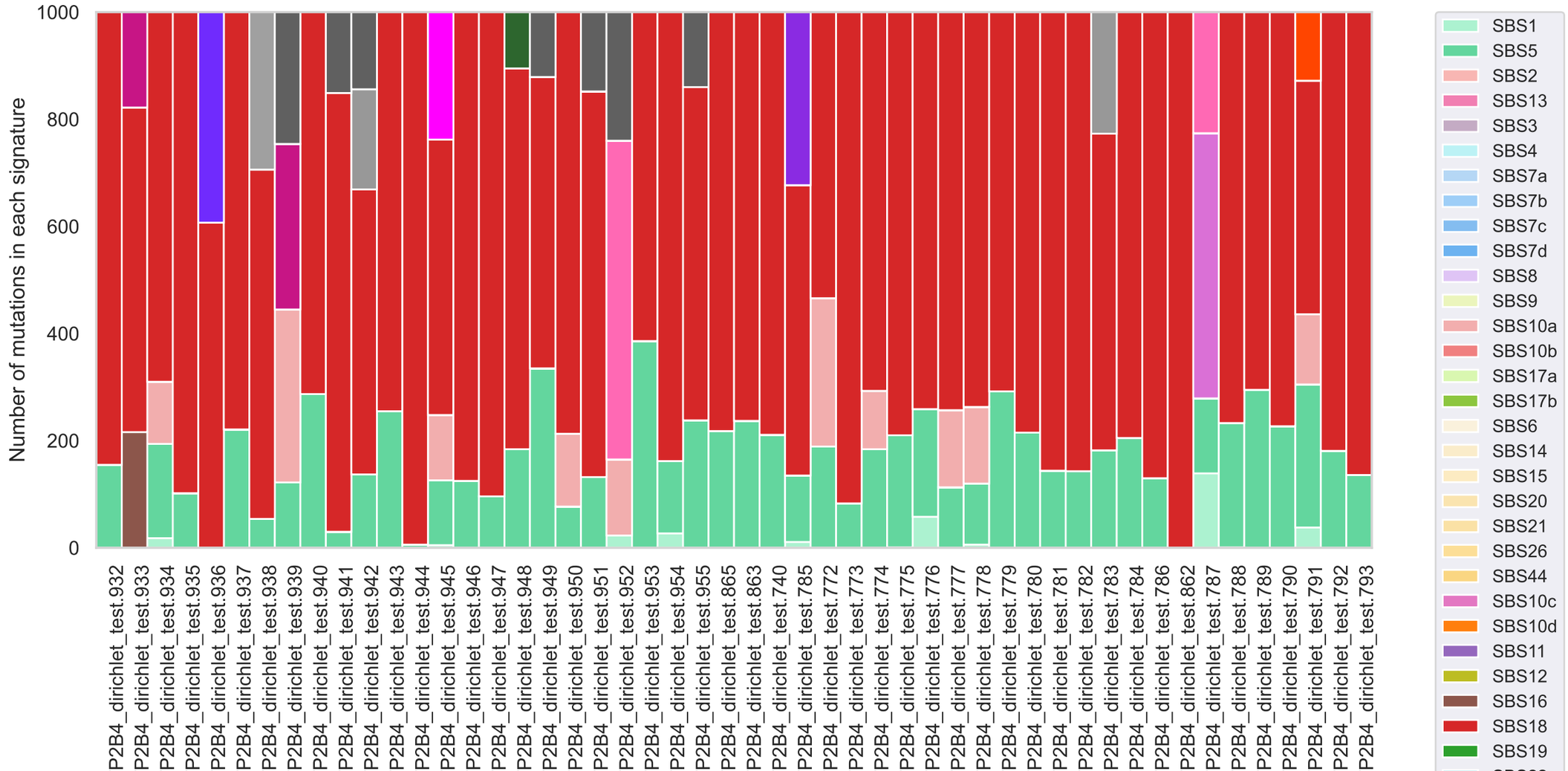

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.682
P2B4_dirichlet_test.683
P2B4_dirichlet_test.684
P2B4_dirichlet_test.685
P2B4_dirichlet_test.686
P2B4_dirichlet_test.687
P2B4_dirichlet_test.688
P2B4_dirichlet_test.689
P2B4_dirichlet_test.690
P2B4_dirichlet_test.691
P2B4_dirichlet_test.692
P2B4_dirichlet_test.693
P2B4_dirichlet_test.694
P2B4_dirichlet_test.695
P2B4_dirichlet_test.696
P2B4_dirichlet_test.697
P2B4_dirichlet_test.698
P2B4_dirichlet_test.699
P2B4_dirichlet_test.700
P2B4_dirichlet_test.701
P2B4_dirichlet_test.702
P2B4_dirichlet_test.703
P2B4_dirichlet_test.704
P2B4_dirichlet_test.705
P2B4_dirichlet_test.615
P2B4_dirichlet_test.613
P2B4_dirichlet_test.738
P2B4_dirichlet_test.535
P2B4_dirichlet_test.522
P2B4_dirichlet_test.523
P2B4_dirichlet_test.524
P2B4_dirichlet_test.525
P2B4_dirichlet_test.526
P2B4_dirichlet_test.527
P2B4_dirichlet_test.528
P2B4_dirichlet_test.529
P2B4_dirichlet_test.530
P2B4_dirichlet_test.531
P2B4_dirichlet_test.532
P2B4_dirichlet_test.533
P2B4_dirichlet_test.534
P2B4_dirichlet_test.536
P2B4_dirichlet_test.612
P2B4_dirichlet_test.537
P2B4_dirichlet_test.538
P2B4_dirichlet_test.539
P2B4_dirichlet_test.540
P2B4_dirichlet_test.541
P2B4_dirichlet_test.542
P2B4_dirichlet_test.543
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

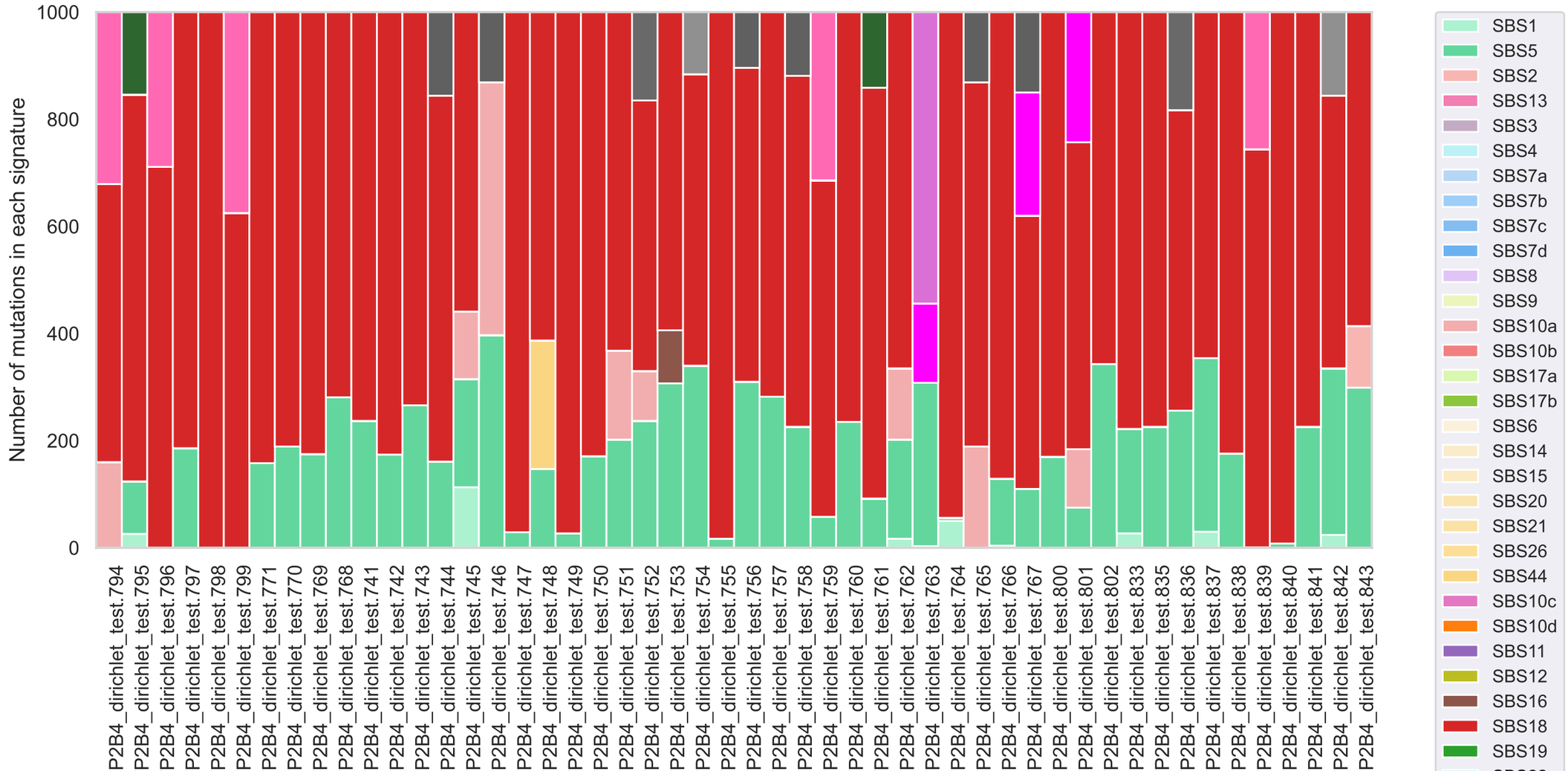

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.544
P2B4_dirichlet_test.545
P2B4_dirichlet_test.546
P2B4_dirichlet_test.547
P2B4_dirichlet_test.548
P2B4_dirichlet_test.549
P2B4_dirichlet_test.521
P2B4_dirichlet_test.520
P2B4_dirichlet_test.519
P2B4_dirichlet_test.518
P2B4_dirichlet_test.491
P2B4_dirichlet_test.492
P2B4_dirichlet_test.493
P2B4_dirichlet_test.494
P2B4_dirichlet_test.495
P2B4_dirichlet_test.496
P2B4_dirichlet_test.497
P2B4_dirichlet_test.498
P2B4_dirichlet_test.499
P2B4_dirichlet_test.500
P2B4_dirichlet_test.501
P2B4_dirichlet_test.502
P2B4_dirichlet_test.503
P2B4_dirichlet_test.504
P2B4_dirichlet_test.505
P2B4_dirichlet_test.506
P2B4_dirichlet_test.507
P2B4_dirichlet_test.508
P2B4_dirichlet_test.509
P2B4_dirichlet_test.510
P2B4_dirichlet_test.511
P2B4_dirichlet_test.512
P2B4_dirichlet_test.513
P2B4_dirichlet_test.514
P2B4_dirichlet_test.515
P2B4_dirichlet_test.516
P2B4_dirichlet_test.517
P2B4_dirichlet_test.550
P2B4_dirichlet_test.551
P2B4_dirichlet_test.552
P2B4_dirichlet_test.583
P2B4_dirichlet_test.585
P2B4_dirichlet_test.586
P2B4_dirichlet_test.587
P2B4_dirichlet_test.588
P2B4_dirichlet_test.589
P2B4_dirichlet_test.590
P2B4_dirichlet_test.591
P2B4_dirichlet_test.592
P2B4_dirichlet_test.593
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

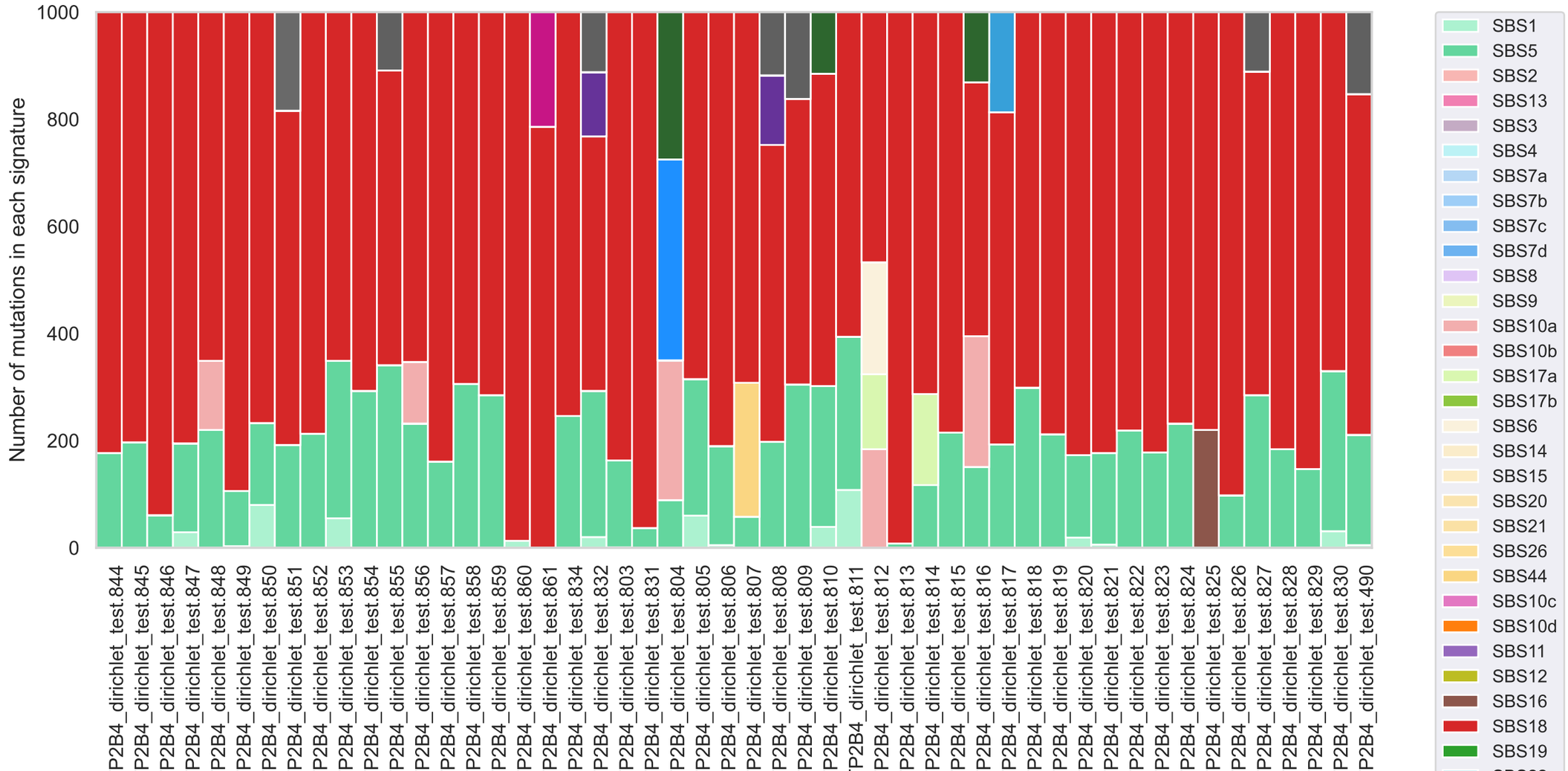

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.594
P2B4_dirichlet_test.595
P2B4_dirichlet_test.596
P2B4_dirichlet_test.597
P2B4_dirichlet_test.598
P2B4_dirichlet_test.599
P2B4_dirichlet_test.600
P2B4_dirichlet_test.601
P2B4_dirichlet_test.602
P2B4_dirichlet_test.603
P2B4_dirichlet_test.604
P2B4_dirichlet_test.605
P2B4_dirichlet_test.606
P2B4_dirichlet_test.607
P2B4_dirichlet_test.608
P2B4_dirichlet_test.609
P2B4_dirichlet_test.610
P2B4_dirichlet_test.611
P2B4_dirichlet_test.584
P2B4_dirichlet_test.582
P2B4_dirichlet_test.553
P2B4_dirichlet_test.581
P2B4_dirichlet_test.554
P2B4_dirichlet_test.555
P2B4_dirichlet_test.556
P2B4_dirichlet_test.557
P2B4_dirichlet_test.558
P2B4_dirichlet_test.559
P2B4_dirichlet_test.560
P2B4_dirichlet_test.561
P2B4_dirichlet_test.562
P2B4_dirichlet_test.563
P2B4_dirichlet_test.564
P2B4_dirichlet_test.565
P2B4_dirichlet_test.566
P2B4_dirichlet_test.567
P2B4_dirichlet_test.568
P2B4_dirichlet_test.569
P2B4_dirichlet_test.570
P2B4_dirichlet_test.571
P2B4_dirichlet_test.572
P2B4_dirichlet_test.573
P2B4_dirichlet_test.574
P2B4_dirichlet_test.575
P2B4_dirichlet_test.576
P2B4_dirichlet_test.577
P2B4_dirichlet_test.578
P2B4_dirichlet_test.579
P2B4_dirichlet_test.580
P2B4_dirichlet_test.737
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

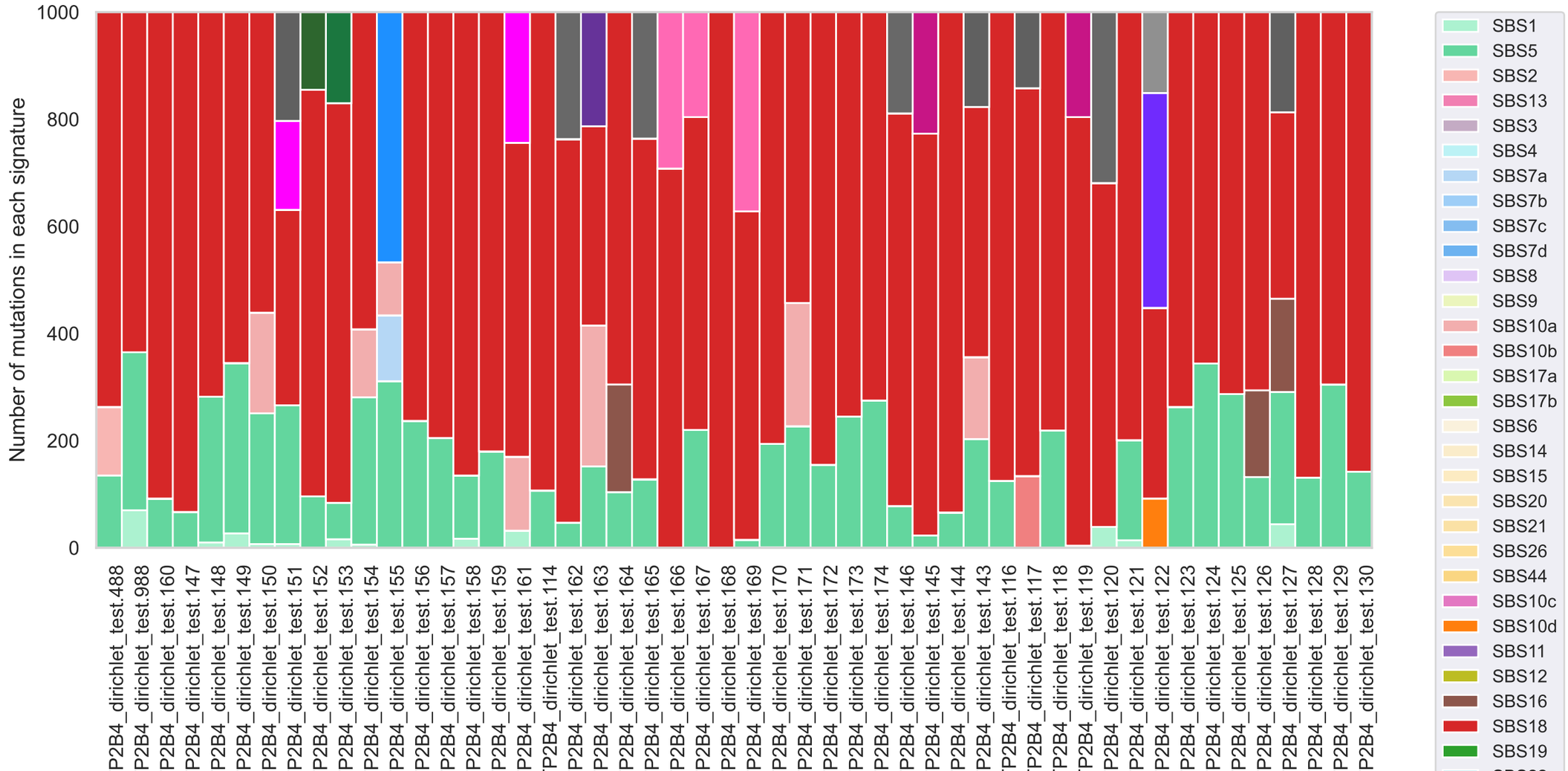

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.739
P2B4_dirichlet_test.489
P2B4_dirichlet_test.910
P2B4_dirichlet_test.897
P2B4_dirichlet_test.898
P2B4_dirichlet_test.899
P2B4_dirichlet_test.900
P2B4_dirichlet_test.901
P2B4_dirichlet_test.902
P2B4_dirichlet_test.903
P2B4_dirichlet_test.904
P2B4_dirichlet_test.905
P2B4_dirichlet_test.906
P2B4_dirichlet_test.907
P2B4_dirichlet_test.908
P2B4_dirichlet_test.909
P2B4_dirichlet_test.911
P2B4_dirichlet_test.864
P2B4_dirichlet_test.912
P2B4_dirichlet_test.913
P2B4_dirichlet_test.914
P2B4_dirichlet_test.915
P2B4_dirichlet_test.916
P2B4_dirichlet_test.917
P2B4_dirichlet_test.918
P2B4_dirichlet_test.919
P2B4_dirichlet_test.920
P2B4_dirichlet_test.921
P2B4_dirichlet_test.922
P2B4_dirichlet_test.923
P2B4_dirichlet_test.924
P2B4_dirichlet_test.896
P2B4_dirichlet_test.895
P2B4_dirichlet_test.894
P2B4_dirichlet_test.893
P2B4_dirichlet_test.866
P2B4_dirichlet_test.867
P2B4_dirichlet_test.868
P2B4_dirichlet_test.869
P2B4_dirichlet_test.870
P2B4_dirichlet_test.871
P2B4_dirichlet_test.872
P2B4_dirichlet_test.873
P2B4_dirichlet_test.874
P2B4_dirichlet_test.875
P2B4_dirichlet_test.876
P2B4_dirichlet_test.877
P2B4_dirichlet_test.878
P2B4_dirichlet_test.879
P2B4_dirichlet_test.880
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

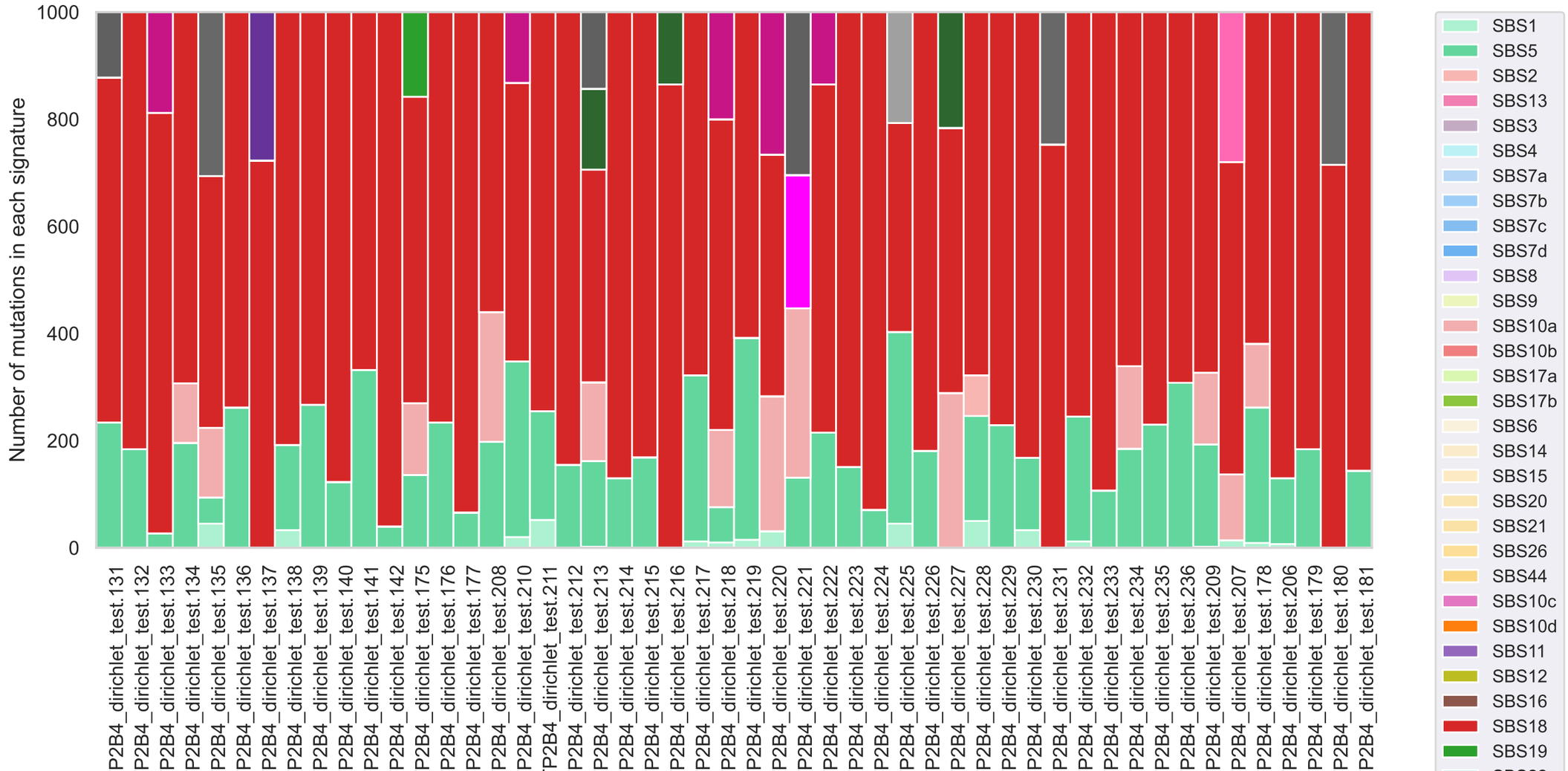

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.881
P2B4_dirichlet_test.882
P2B4_dirichlet_test.883
P2B4_dirichlet_test.884
P2B4_dirichlet_test.885
P2B4_dirichlet_test.886
P2B4_dirichlet_test.887
P2B4_dirichlet_test.888
P2B4_dirichlet_test.889
P2B4_dirichlet_test.890
P2B4_dirichlet_test.891
P2B4_dirichlet_test.892
P2B4_dirichlet_test.925
P2B4_dirichlet_test.926
P2B4_dirichlet_test.927
P2B4_dirichlet_test.958
P2B4_dirichlet_test.960
P2B4_dirichlet_test.961
P2B4_dirichlet_test.962
P2B4_dirichlet_test.963
P2B4_dirichlet_test.964
P2B4_dirichlet_test.965
P2B4_dirichlet_test.966
P2B4_dirichlet_test.967
P2B4_dirichlet_test.968
P2B4_dirichlet_test.969
P2B4_dirichlet_test.970
P2B4_dirichlet_test.971
P2B4_dirichlet_test.972
P2B4_dirichlet_test.973
P2B4_dirichlet_test.974
P2B4_dirichlet_test.975
P2B4_dirichlet_test.976
P2B4_dirichlet_test.977
P2B4_dirichlet_test.978
P2B4_dirichlet_test.979
P2B4_dirichlet_test.980
P2B4_dirichlet_test.981
P2B4_dirichlet_test.982
P2B4_dirichlet_test.983
P2B4_dirichlet_test.984
P2B4_dirichlet_test.985
P2B4_dirichlet_test.986
P2B4_dirichlet_test.959
P2B4_dirichlet_test.957
P2B4_dirichlet_test.928
P2B4_dirichlet_test.956
P2B4_dirichlet_test.929
P2B4_dirichlet_test.930
P2B4_dirichlet_test.931
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

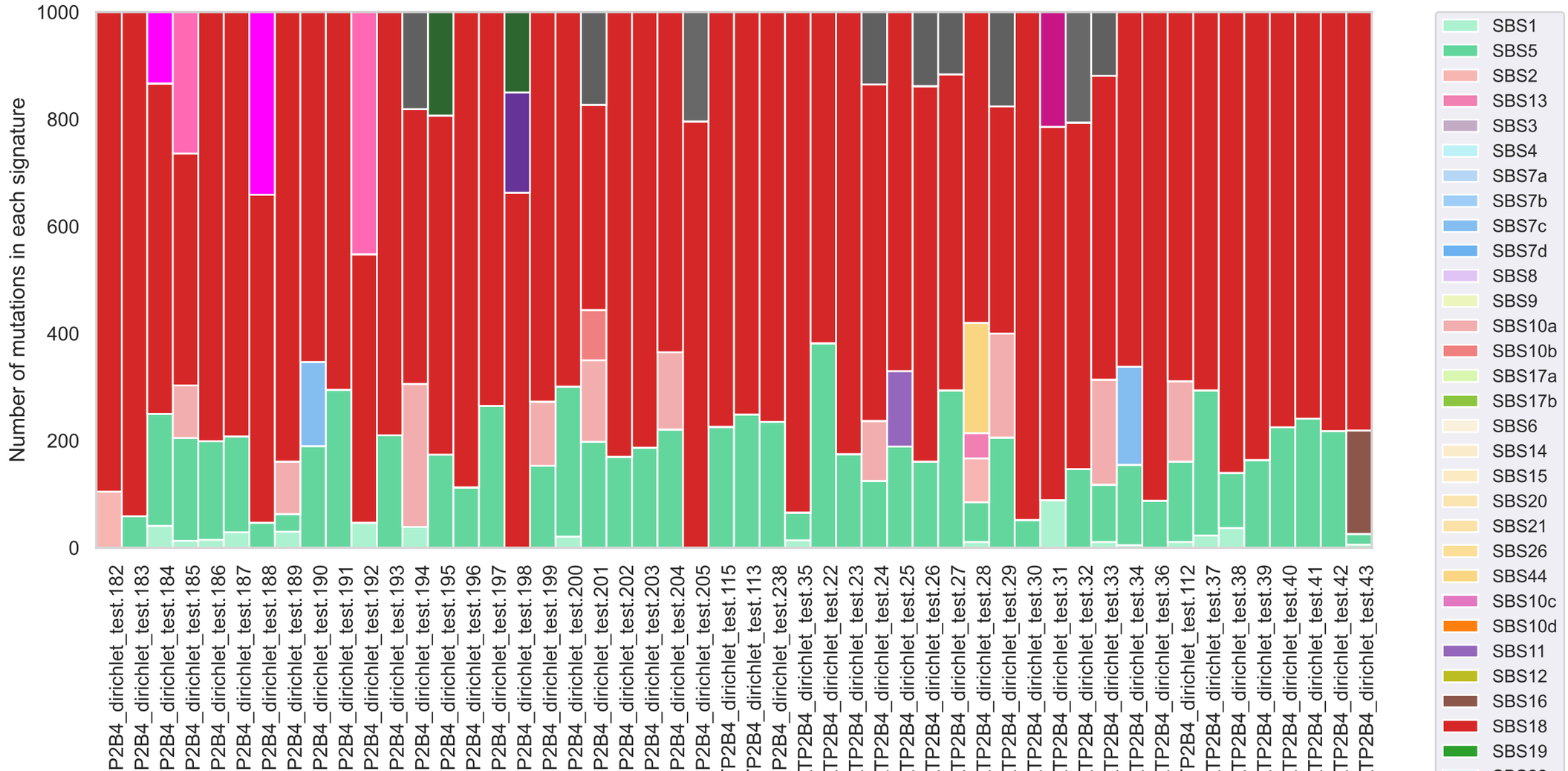

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.932
P2B4_dirichlet_test.933
P2B4_dirichlet_test.934
P2B4_dirichlet_test.935
P2B4_dirichlet_test.936
P2B4_dirichlet_test.937
P2B4_dirichlet_test.938
P2B4_dirichlet_test.939
P2B4_dirichlet_test.940
P2B4_dirichlet_test.941
P2B4_dirichlet_test.942
P2B4_dirichlet_test.943
P2B4_dirichlet_test.944
P2B4_dirichlet_test.945
P2B4_dirichlet_test.946
P2B4_dirichlet_test.947
P2B4_dirichlet_test.948
P2B4_dirichlet_test.949
P2B4_dirichlet_test.950
P2B4_dirichlet_test.951
P2B4_dirichlet_test.952
P2B4_dirichlet_test.953
P2B4_dirichlet_test.954
P2B4_dirichlet_test.955
P2B4_dirichlet_test.865
P2B4_dirichlet_test.863
P2B4_dirichlet_test.740
P2B4_dirichlet_test.785
P2B4_dirichlet_test.772
P2B4_dirichlet_test.773
P2B4_dirichlet_test.774
P2B4_dirichlet_test.775
P2B4_dirichlet_test.776
P2B4_dirichlet_test.777
P2B4_dirichlet_test.778
P2B4_dirichlet_test.779
P2B4_dirichlet_test.780
P2B4_dirichlet_test.781
P2B4_dirichlet_test.782
P2B4_dirichlet_test.783
P2B4_dirichlet_test.784
P2B4_dirichlet_test.786
P2B4_dirichlet_test.862
P2B4_dirichlet_test.787
P2B4_dirichlet_test.788
P2B4_dirichlet_test.789
P2B4_dirichlet_test.790
P2B4_dirichlet_test.791
P2B4_dirichlet_test.792
P2B4_dirichlet_test.793
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

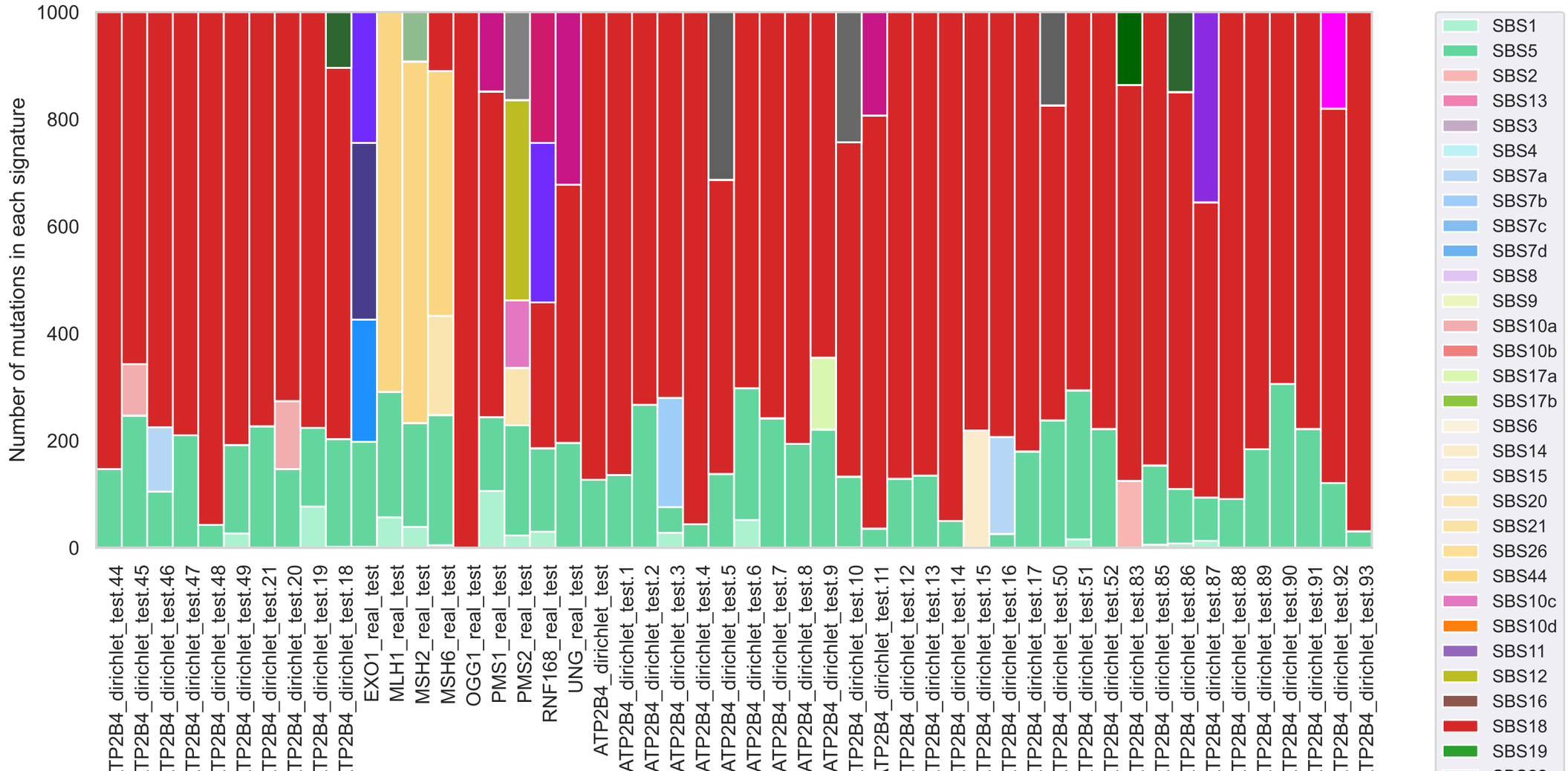

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.794
P2B4_dirichlet_test.795
P2B4_dirichlet_test.796
P2B4_dirichlet_test.797
P2B4_dirichlet_test.798
P2B4_dirichlet_test.799
P2B4_dirichlet_test.771
P2B4_dirichlet_test.770
P2B4_dirichlet_test.769
P2B4_dirichlet_test.768
P2B4_dirichlet_test.741
P2B4_dirichlet_test.742
P2B4_dirichlet_test.743
P2B4_dirichlet_test.744
P2B4_dirichlet_test.745
P2B4_dirichlet_test.746
P2B4_dirichlet_test.747
P2B4_dirichlet_test.748
P2B4_dirichlet_test.749
P2B4_dirichlet_test.750
P2B4_dirichlet_test.751
P2B4_dirichlet_test.752
P2B4_dirichlet_test.753
P2B4_dirichlet_test.754
P2B4_dirichlet_test.755
P2B4_dirichlet_test.756
P2B4_dirichlet_test.757
P2B4_dirichlet_test.758
P2B4_dirichlet_test.759
P2B4_dirichlet_test.760
P2B4_dirichlet_test.761
P2B4_dirichlet_test.762
P2B4_dirichlet_test.763
P2B4_dirichlet_test.764
P2B4_dirichlet_test.765
P2B4_dirichlet_test.766
P2B4_dirichlet_test.767
P2B4_dirichlet_test.800
P2B4_dirichlet_test.801
P2B4_dirichlet_test.802
P2B4_dirichlet_test.833
P2B4_dirichlet_test.835
P2B4_dirichlet_test.836
P2B4_dirichlet_test.837
P2B4_dirichlet_test.838
P2B4_dirichlet_test.839
P2B4_dirichlet_test.840
P2B4_dirichlet_test.841
P2B4_dirichlet_test.842
P2B4_dirichlet_test.843
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

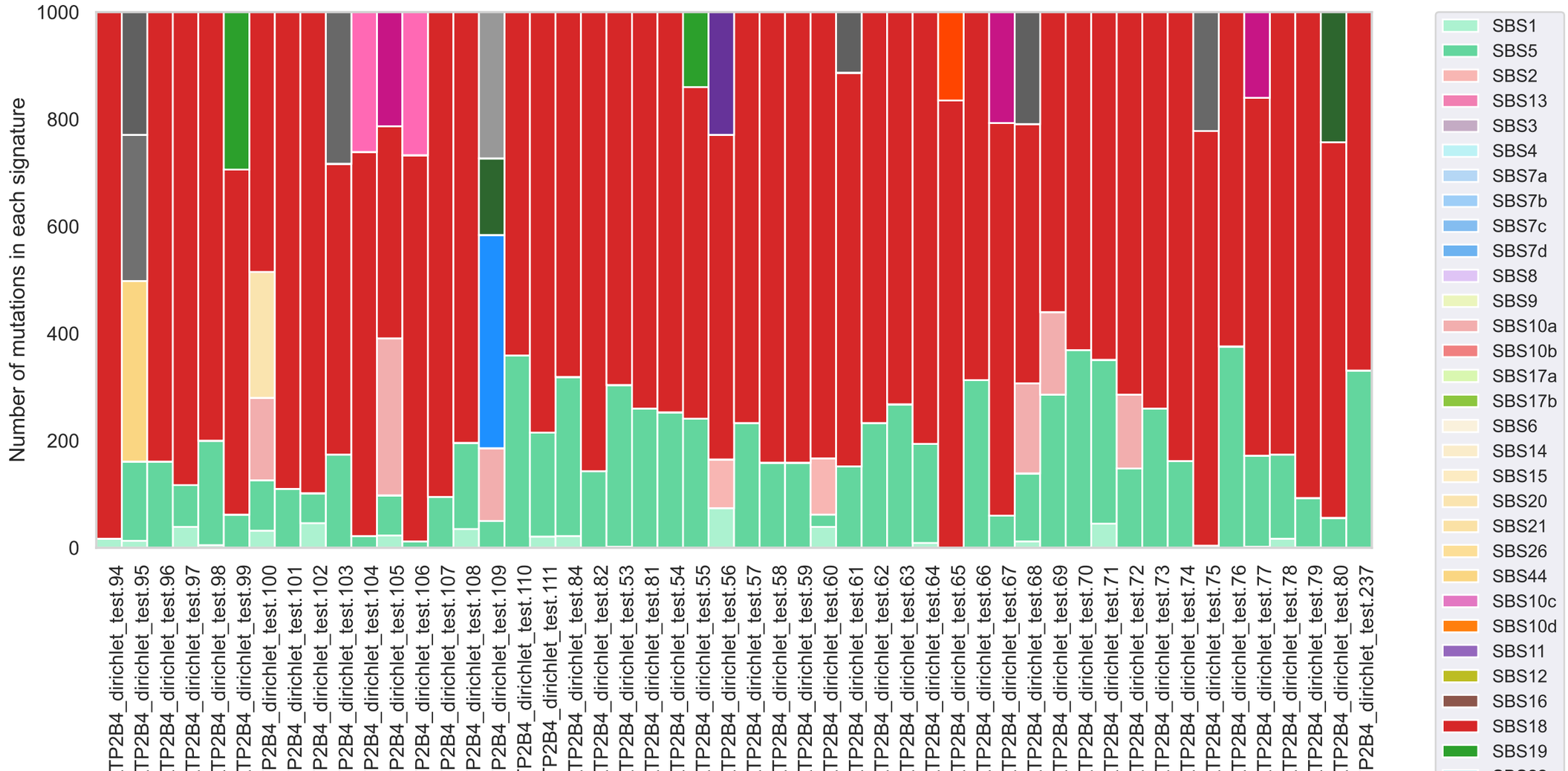

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.844
P2B4_dirichlet_test.845
P2B4_dirichlet_test.846
P2B4_dirichlet_test.847
P2B4_dirichlet_test.848
P2B4_dirichlet_test.849
P2B4_dirichlet_test.850
P2B4_dirichlet_test.851
P2B4_dirichlet_test.852
P2B4_dirichlet_test.853
P2B4_dirichlet_test.854
P2B4_dirichlet_test.855
P2B4_dirichlet_test.856
P2B4_dirichlet_test.857
P2B4_dirichlet_test.858
P2B4_dirichlet_test.859
P2B4_dirichlet_test.860
P2B4_dirichlet_test.861
P2B4_dirichlet_test.834
P2B4_dirichlet_test.832
P2B4_dirichlet_test.803
P2B4_dirichlet_test.831
P2B4_dirichlet_test.804
P2B4_dirichlet_test.805
P2B4_dirichlet_test.806
P2B4_dirichlet_test.807
P2B4_dirichlet_test.808
P2B4_dirichlet_test.809
P2B4_dirichlet_test.810
P2B4_dirichlet_test.811
P2B4_dirichlet_test.812
P2B4_dirichlet_test.813
P2B4_dirichlet_test.814
P2B4_dirichlet_test.815
P2B4_dirichlet_test.816
P2B4_dirichlet_test.817
P2B4_dirichlet_test.818
P2B4_dirichlet_test.819
P2B4_dirichlet_test.820
P2B4_dirichlet_test.821
P2B4_dirichlet_test.822
P2B4_dirichlet_test.823
P2B4_dirichlet_test.824
P2B4_dirichlet_test.825
P2B4_dirichlet_test.826
P2B4_dirichlet_test.827
P2B4_dirichlet_test.828
P2B4_dirichlet_test.829
P2B4_dirichlet_test.830
P2B4_dirichlet_test.490
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

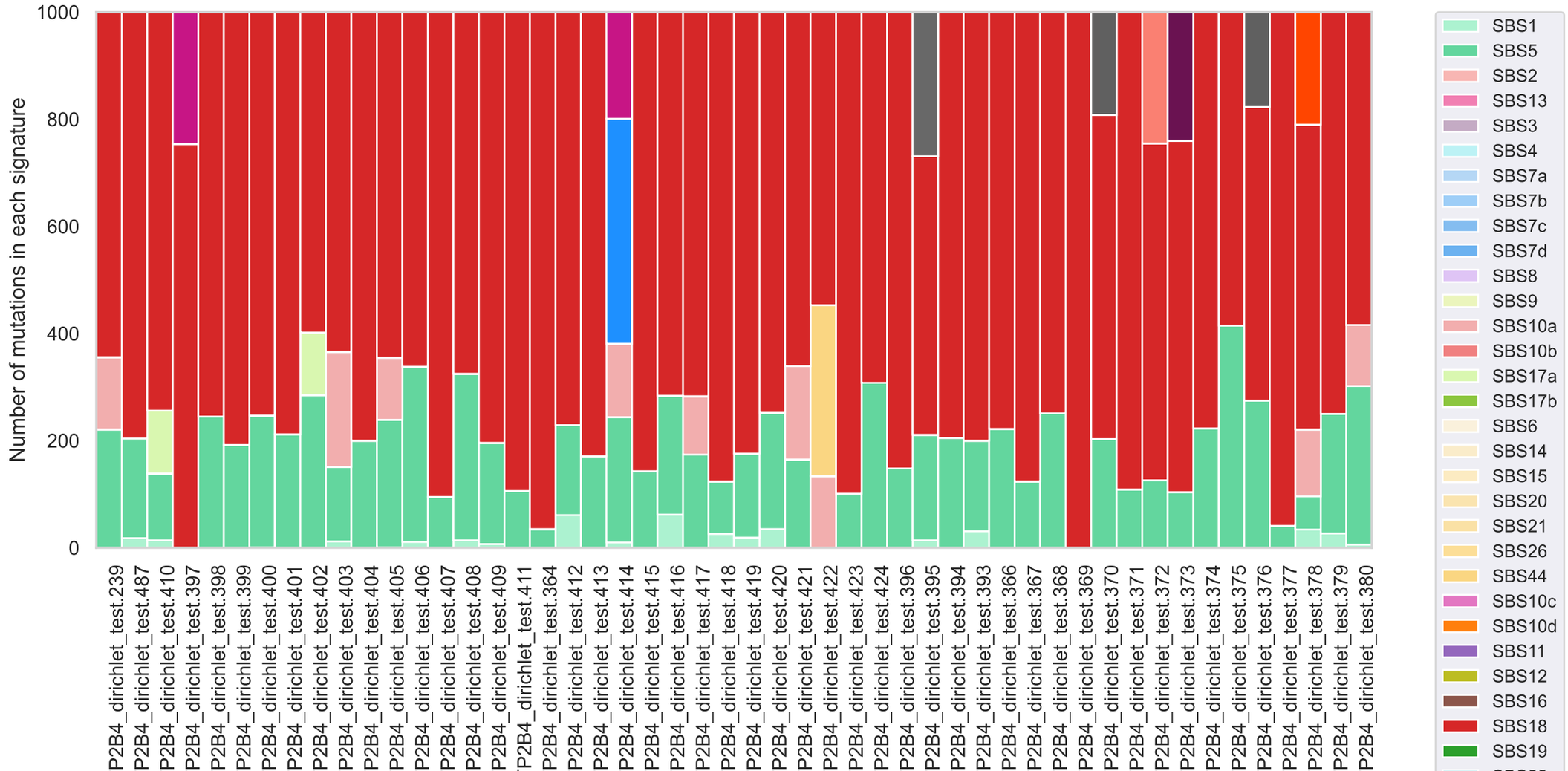

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.488
P2B4_dirichlet_test.988
P2B4_dirichlet_test.160
P2B4_dirichlet_test.147
P2B4_dirichlet_test.148
P2B4_dirichlet_test.149
P2B4_dirichlet_test.150
P2B4_dirichlet_test.151
P2B4_dirichlet_test.152
P2B4_dirichlet_test.153
P2B4_dirichlet_test.154
P2B4_dirichlet_test.155
P2B4_dirichlet_test.156
P2B4_dirichlet_test.157
P2B4_dirichlet_test.158
P2B4_dirichlet_test.159
P2B4_dirichlet_test.161
P2B4_dirichlet_test.114
P2B4_dirichlet_test.162
P2B4_dirichlet_test.163
P2B4_dirichlet_test.164
P2B4_dirichlet_test.165
P2B4_dirichlet_test.166
P2B4_dirichlet_test.167
P2B4_dirichlet_test.168
P2B4_dirichlet_test.169
P2B4_dirichlet_test.170
P2B4_dirichlet_test.171
P2B4_dirichlet_test.172
P2B4_dirichlet_test.173
P2B4_dirichlet_test.174
P2B4_dirichlet_test.146
P2B4_dirichlet_test.145
P2B4_dirichlet_test.144
P2B4_dirichlet_test.143
P2B4_dirichlet_test.116
P2B4_dirichlet_test.117
P2B4_dirichlet_test.118
P2B4_dirichlet_test.119
P2B4_dirichlet_test.120
P2B4_dirichlet_test.121
P2B4_dirichlet_test.122
P2B4_dirichlet_test.123
P2B4_dirichlet_test.124
P2B4_dirichlet_test.125
P2B4_dirichlet_test.126
P2B4_dirichlet_test.127
P2B4_dirichlet_test.128
P2B4_dirichlet_test.129
P2B4_dirichlet_test.130
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

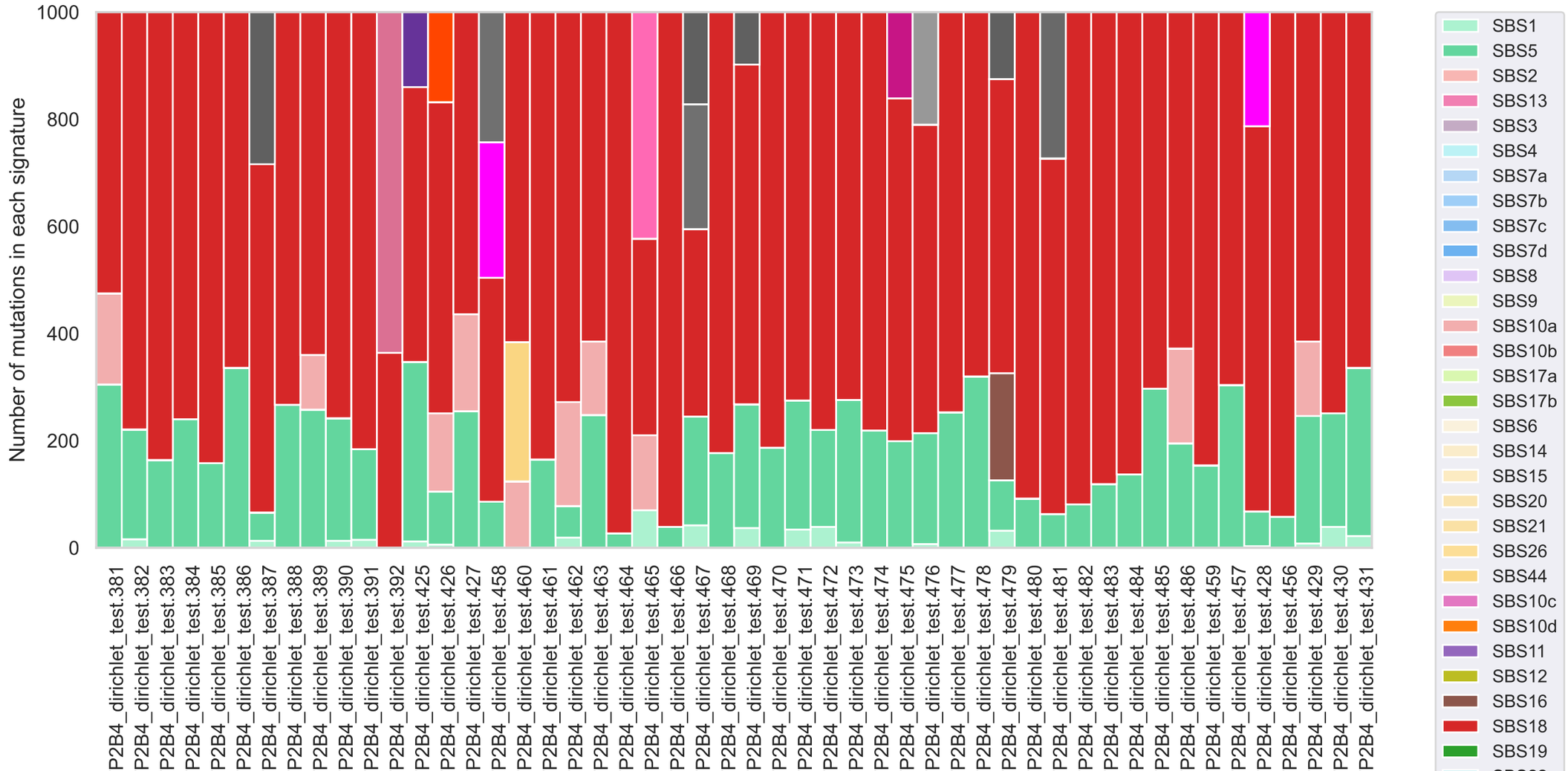

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.131
P2B4_dirichlet_test.132
P2B4_dirichlet_test.133
P2B4_dirichlet_test.134
P2B4_dirichlet_test.135
P2B4_dirichlet_test.136
P2B4_dirichlet_test.137
P2B4_dirichlet_test.138
P2B4_dirichlet_test.139
P2B4_dirichlet_test.140
P2B4_dirichlet_test.141
P2B4_dirichlet_test.142
P2B4_dirichlet_test.175
P2B4_dirichlet_test.176
P2B4_dirichlet_test.177
P2B4_dirichlet_test.208
P2B4_dirichlet_test.210
P2B4_dirichlet_test.211
P2B4_dirichlet_test.212
P2B4_dirichlet_test.213
P2B4_dirichlet_test.214
P2B4_dirichlet_test.215
P2B4_dirichlet_test.216
P2B4_dirichlet_test.217
P2B4_dirichlet_test.218
P2B4_dirichlet_test.219
P2B4_dirichlet_test.220
P2B4_dirichlet_test.221
P2B4_dirichlet_test.222
P2B4_dirichlet_test.223
P2B4_dirichlet_test.224
P2B4_dirichlet_test.225
P2B4_dirichlet_test.226
P2B4_dirichlet_test.227
P2B4_dirichlet_test.228
P2B4_dirichlet_test.229
P2B4_dirichlet_test.230
P2B4_dirichlet_test.231
P2B4_dirichlet_test.232
P2B4_dirichlet_test.233
P2B4_dirichlet_test.234
P2B4_dirichlet_test.235
P2B4_dirichlet_test.236
P2B4_dirichlet_test.209
P2B4_dirichlet_test.207
P2B4_dirichlet_test.178
P2B4_dirichlet_test.206
P2B4_dirichlet_test.179
P2B4_dirichlet_test.180
P2B4_dirichlet_test.181
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

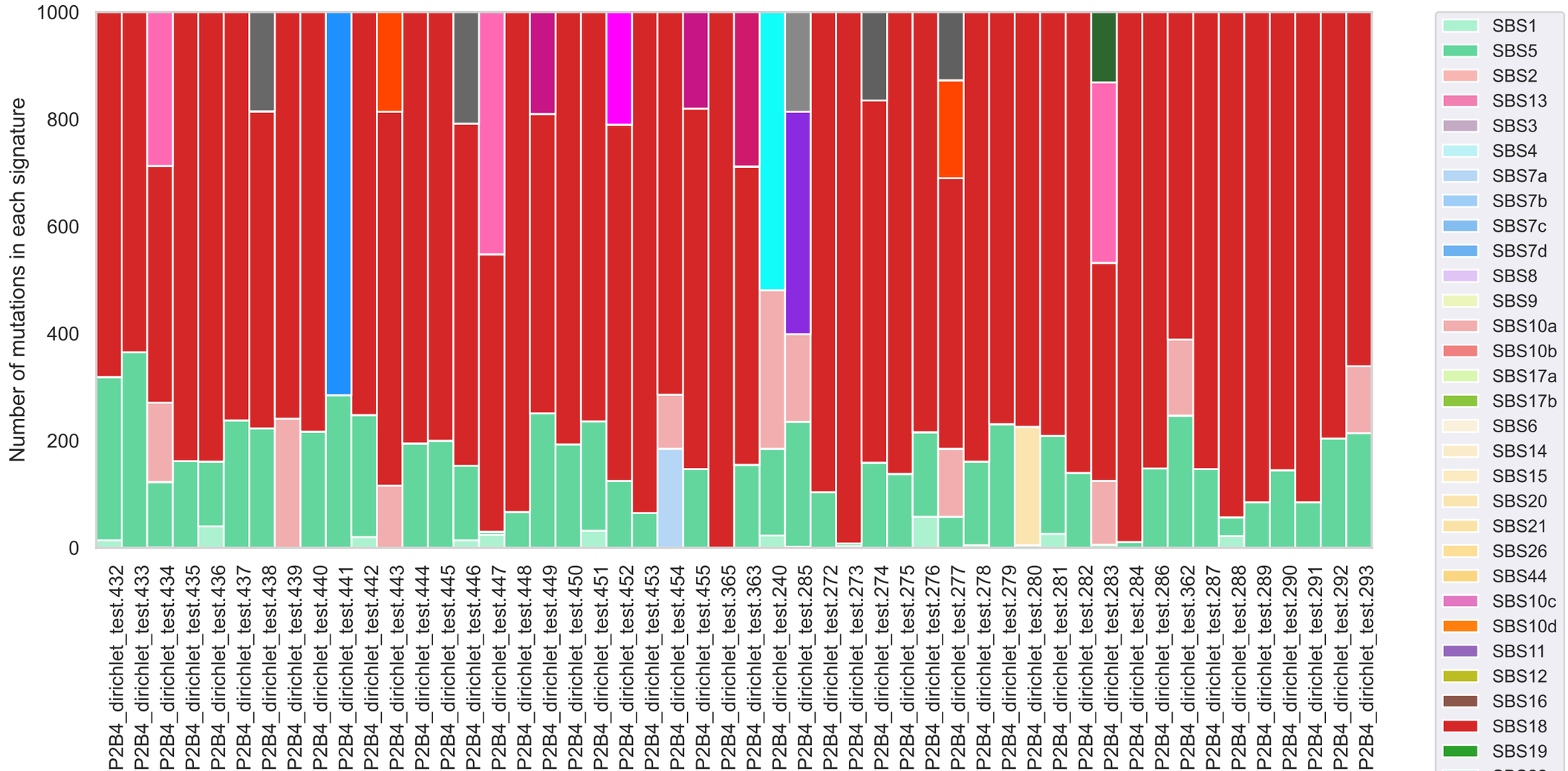

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.182
P2B4_dirichlet_test.183
P2B4_dirichlet_test.184
P2B4_dirichlet_test.185
P2B4_dirichlet_test.186
P2B4_dirichlet_test.187
P2B4_dirichlet_test.188
P2B4_dirichlet_test.189
P2B4_dirichlet_test.190
P2B4_dirichlet_test.191
P2B4_dirichlet_test.192
P2B4_dirichlet_test.193
P2B4_dirichlet_test.194
P2B4_dirichlet_test.195
P2B4_dirichlet_test.196
P2B4_dirichlet_test.197
P2B4_dirichlet_test.198
P2B4_dirichlet_test.199
P2B4_dirichlet_test.200
P2B4_dirichlet_test.201
P2B4_dirichlet_test.202
P2B4_dirichlet_test.203
P2B4_dirichlet_test.204
P2B4_dirichlet_test.205
P2B4_dirichlet_test.115
P2B4_dirichlet_test.113
P2B4_dirichlet_test.238
P2B4_dirichlet_test.35
P2B4_dirichlet_test.22
P2B4_dirichlet_test.23
P2B4_dirichlet_test.24
P2B4_dirichlet_test.25
P2B4_dirichlet_test.26
P2B4_dirichlet_test.27
P2B4_dirichlet_test.28
P2B4_dirichlet_test.29
P2B4_dirichlet_test.30
P2B4_dirichlet_test.31
P2B4_dirichlet_test.32
P2B4_dirichlet_test.33
P2B4_dirichlet_test.34
P2B4_dirichlet_test.36
P2B4_dirichlet_test.112
P2B4_dirichlet_test.37
P2B4_dirichlet_test.38
P2B4_dirichlet_test.39
P2B4_dirichlet_test.40
P2B4_dirichlet_test.41
P2B4_dirichlet_test.42
P2B4_dirichlet_test.43
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

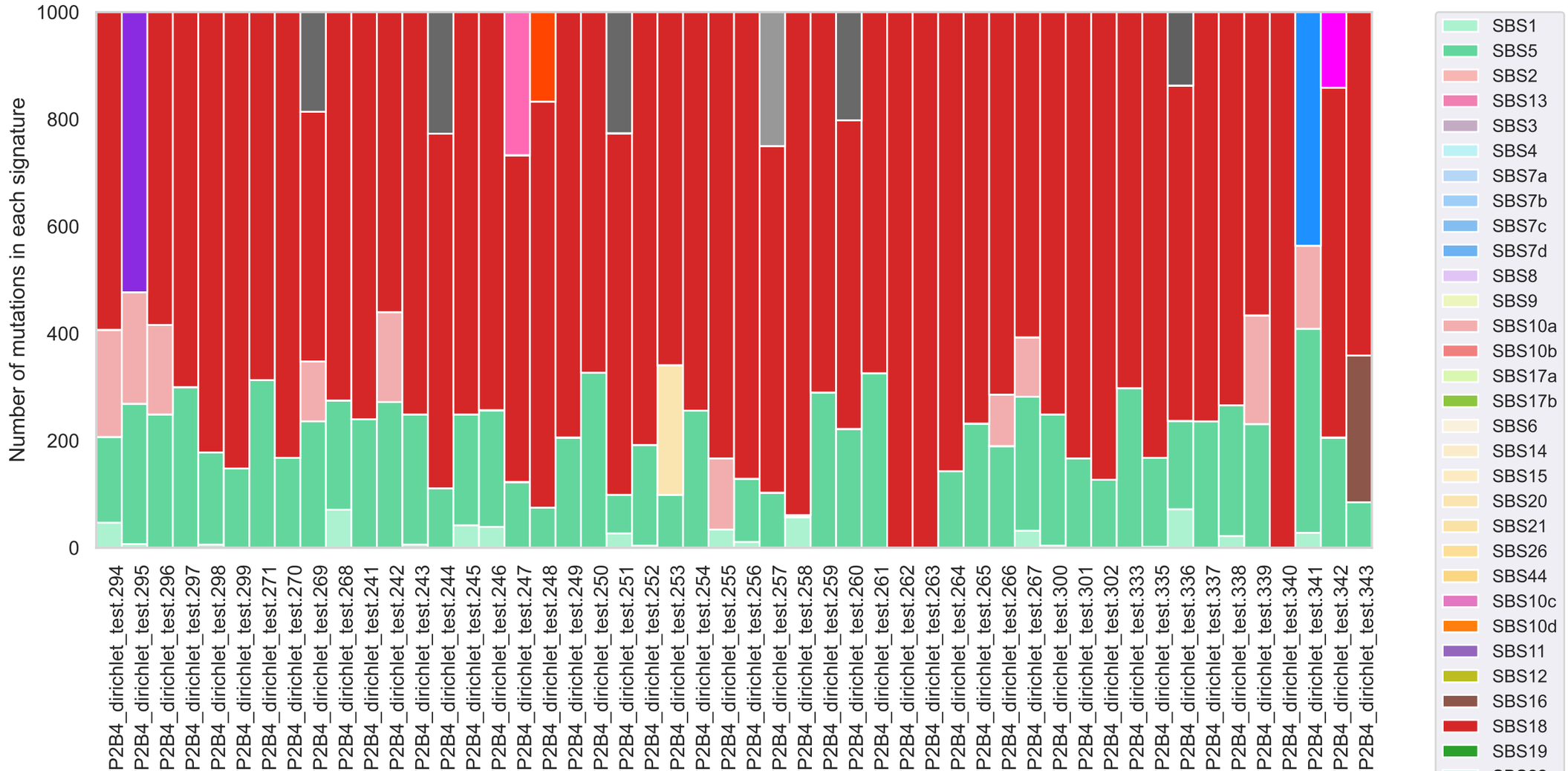

Number of mutations in each signature
1000
800
600
400
200
0
ATP2B4_dirichlet_test.44
ATP2B4_dirichlet_test.45
ATP2B4_dirichlet_test.46
ATP2B4_dirichlet_test.47
ATP2B4_dirichlet_test.48
ATP2B4_dirichlet_test.49
ATP2B4_dirichlet_test.21
ATP2B4_dirichlet_test.20
ATP2B4_dirichlet_test.19
ATP2B4_dirichlet_test.18
EXO1_real_test
MLH1_real_test
MSH2_real_test
MSH6_real_test
OGG1_real_test
PMS1_real_test
PMS2_real_test
RNF168_real_test
UNG_real_test
ATP2B4_dirichlet_test
ATP2B4_dirichlet_test.1
ATP2B4_dirichlet_test.2
ATP2B4_dirichlet_test.3
ATP2B4_dirichlet_test.4
ATP2B4_dirichlet_test.5
ATP2B4_dirichlet_test.6
ATP2B4_dirichlet_test.7
ATP2B4_dirichlet_test.8
ATP2B4_dirichlet_test.9
ATP2B4_dirichlet_test.10
ATP2B4_dirichlet_test.11
ATP2B4_dirichlet_test.12
ATP2B4_dirichlet_test.13
ATP2B4_dirichlet_test.14
ATP2B4_dirichlet_test.15
ATP2B4_dirichlet_test.16
ATP2B4_dirichlet_test.17
ATP2B4_dirichlet_test.50
ATP2B4_dirichlet_test.51
ATP2B4_dirichlet_test.52
ATP2B4_dirichlet_test.83
ATP2B4_dirichlet_test.85
ATP2B4_dirichlet_test.86
ATP2B4_dirichlet_test.87
ATP2B4_dirichlet_test.88
ATP2B4_dirichlet_test.89
ATP2B4_dirichlet_test.90
ATP2B4_dirichlet_test.91
ATP2B4_dirichlet_test.92
ATP2B4_dirichlet_test.93
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

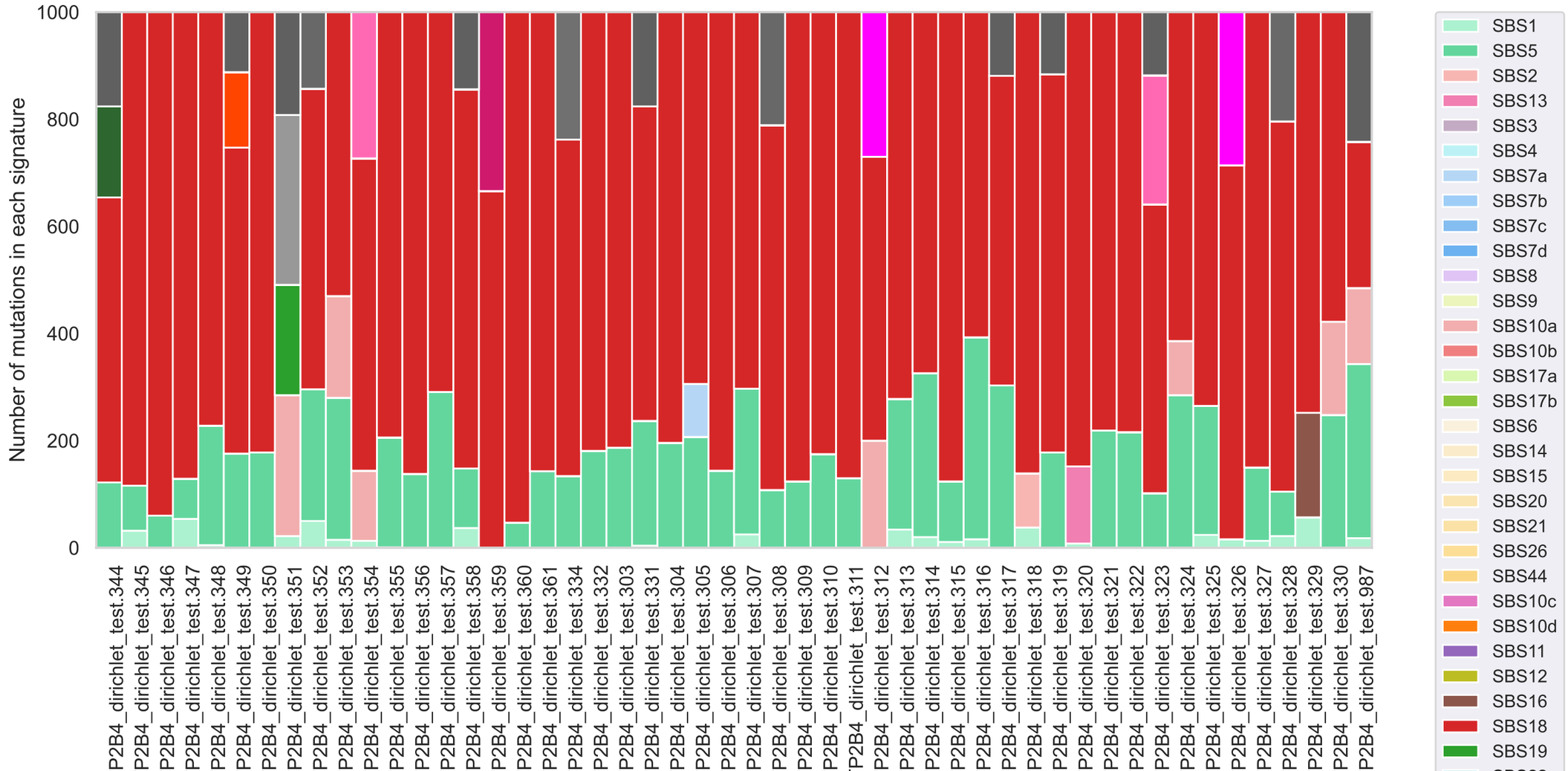

Number of mutations in each signature
1000
800
600
400
200
0
TP2B4_dirichlet_test.94
TP2B4_dirichlet_test.95
TP2B4_dirichlet_test.96
TP2B4_dirichlet_test.97
TP2B4_dirichlet_test.98
TP2B4_dirichlet_test.99
P2B4_dirichlet_test.100
P2B4_dirichlet_test.101
P2B4_dirichlet_test.102
P2B4_dirichlet_test.103
P2B4_dirichlet_test.104
P2B4_dirichlet_test.105
P2B4_dirichlet_test.106
P2B4_dirichlet_test.107
P2B4_dirichlet_test.108
P2B4_dirichlet_test.109
P2B4_dirichlet_test.110
TP2B4_dirichlet_test.111
TP2B4_dirichlet_test.84
TP2B4_dirichlet_test.82
TP2B4_dirichlet_test.53
TP2B4_dirichlet_test.81
TP2B4_dirichlet_test.54
TP2B4_dirichlet_test.55
TP2B4_dirichlet_test.56
TP2B4_dirichlet_test.57
TP2B4_dirichlet_test.58
TP2B4_dirichlet_test.59
TP2B4_dirichlet_test.60
TP2B4_dirichlet_test.61
TP2B4_dirichlet_test.62
TP2B4_dirichlet_test.63
TP2B4_dirichlet_test.64
TP2B4_dirichlet_test.65
TP2B4_dirichlet_test.66
TP2B4_dirichlet_test.67
TP2B4_dirichlet_test.68
TP2B4_dirichlet_test.69
TP2B4_dirichlet_test.70
TP2B4_dirichlet_test.71
TP2B4_dirichlet_test.72
TP2B4_dirichlet_test.73
TP2B4_dirichlet_test.74
TP2B4_dirichlet_test.75
TP2B4_dirichlet_test.76
TP2B4_dirichlet_test.77
TP2B4_dirichlet_test.78
TP2B4_dirichlet_test.79
TP2B4_dirichlet_test.80
P2B4_dirichlet_test.237
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

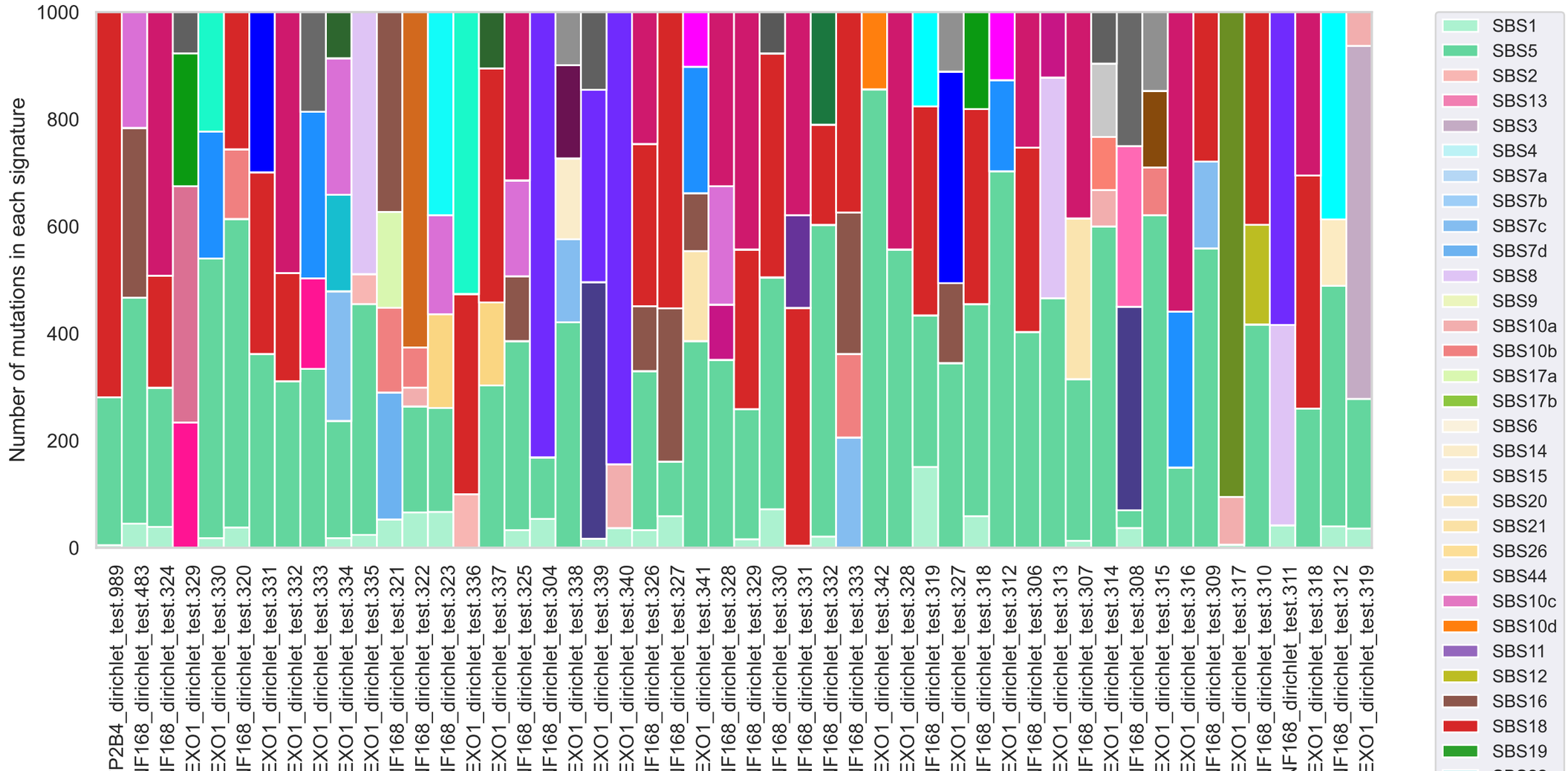

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.239
P2B4_dirichlet_test.487
P2B4_dirichlet_test.410
P2B4_dirichlet_test.397
P2B4_dirichlet_test.398
P2B4_dirichlet_test.399
P2B4_dirichlet_test.400
P2B4_dirichlet_test.401
P2B4_dirichlet_test.402
P2B4_dirichlet_test.403
P2B4_dirichlet_test.404
P2B4_dirichlet_test.405
P2B4_dirichlet_test.406
P2B4_dirichlet_test.407
P2B4_dirichlet_test.408
P2B4_dirichlet_test.409
P2B4_dirichlet_test.411
P2B4_dirichlet_test.364
P2B4_dirichlet_test.412
P2B4_dirichlet_test.413
P2B4_dirichlet_test.414
P2B4_dirichlet_test.415
P2B4_dirichlet_test.416
P2B4_dirichlet_test.417
P2B4_dirichlet_test.418
P2B4_dirichlet_test.419
P2B4_dirichlet_test.420
P2B4_dirichlet_test.421
P2B4_dirichlet_test.422
P2B4_dirichlet_test.423
P2B4_dirichlet_test.424
P2B4_dirichlet_test.396
P2B4_dirichlet_test.395
P2B4_dirichlet_test.394
P2B4_dirichlet_test.393
P2B4_dirichlet_test.366
P2B4_dirichlet_test.367
P2B4_dirichlet_test.368
P2B4_dirichlet_test.369
P2B4_dirichlet_test.370
P2B4_dirichlet_test.371
P2B4_dirichlet_test.372
P2B4_dirichlet_test.373
P2B4_dirichlet_test.374
P2B4_dirichlet_test.375
P2B4_dirichlet_test.376
P2B4_dirichlet_test.377
P2B4_dirichlet_test.378
P2B4_dirichlet_test.379
P2B4_dirichlet_test.380
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

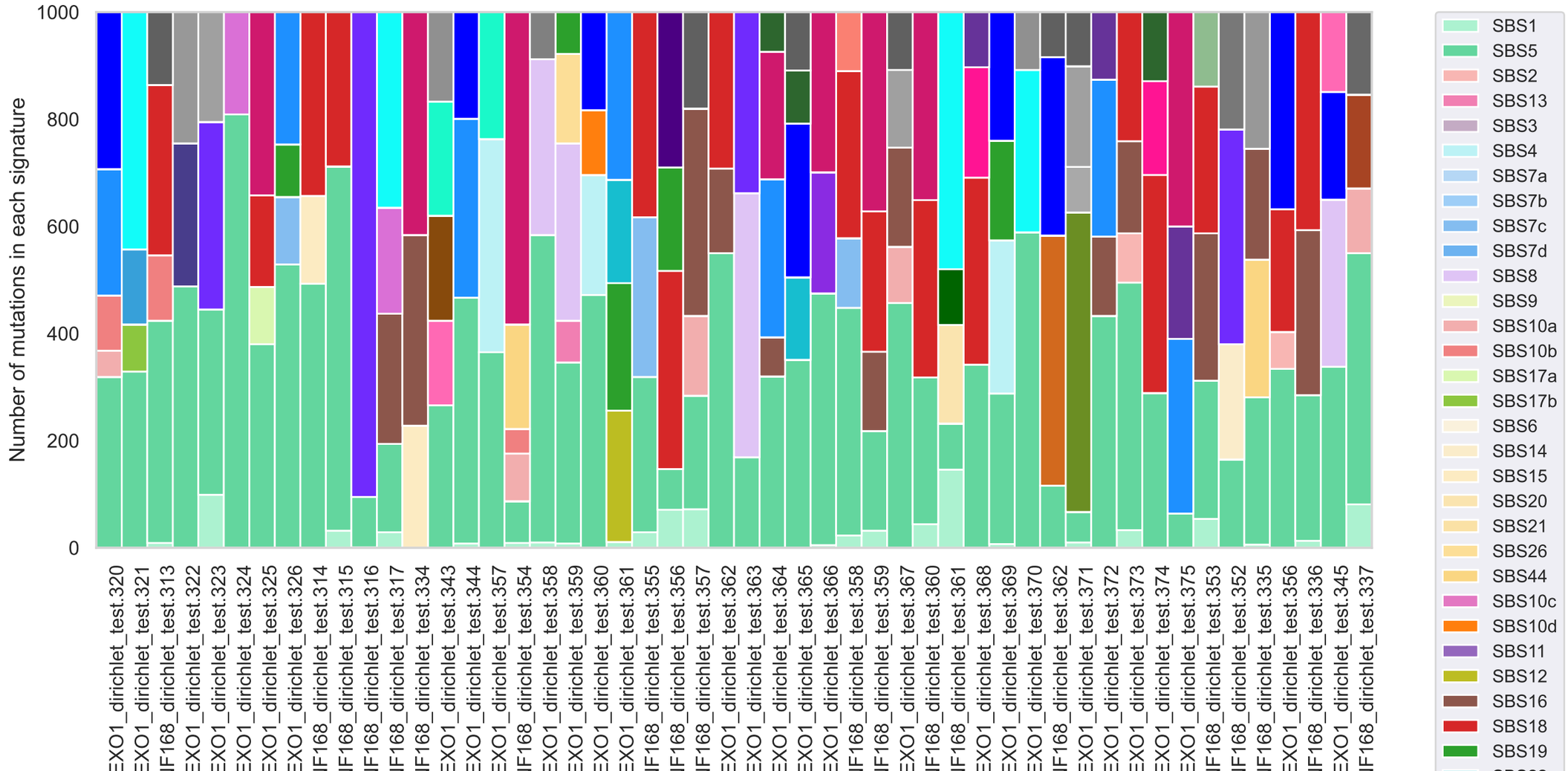

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.381
P2B4_dirichlet_test.382
P2B4_dirichlet_test.383
P2B4_dirichlet_test.384
P2B4_dirichlet_test.385
P2B4_dirichlet_test.386
P2B4_dirichlet_test.387
P2B4_dirichlet_test.388
P2B4_dirichlet_test.389
P2B4_dirichlet_test.390
P2B4_dirichlet_test.391
P2B4_dirichlet_test.392
P2B4_dirichlet_test.425
P2B4_dirichlet_test.426
P2B4_dirichlet_test.427
P2B4_dirichlet_test.458
P2B4_dirichlet_test.460
P2B4_dirichlet_test.461
P2B4_dirichlet_test.462
P2B4_dirichlet_test.463
P2B4_dirichlet_test.464
P2B4_dirichlet_test.465
P2B4_dirichlet_test.466
P2B4_dirichlet_test.467
P2B4_dirichlet_test.468
P2B4_dirichlet_test.469
P2B4_dirichlet_test.470
P2B4_dirichlet_test.471
P2B4_dirichlet_test.472
P2B4_dirichlet_test.473
P2B4_dirichlet_test.474
P2B4_dirichlet_test.475
P2B4_dirichlet_test.476
P2B4_dirichlet_test.477
P2B4_dirichlet_test.478
P2B4_dirichlet_test.479
P2B4_dirichlet_test.480
P2B4_dirichlet_test.481
P2B4_dirichlet_test.482
P2B4_dirichlet_test.483
P2B4_dirichlet_test.484
P2B4_dirichlet_test.485
P2B4_dirichlet_test.486
P2B4_dirichlet_test.459
P2B4_dirichlet_test.457
P2B4_dirichlet_test.428
P2B4_dirichlet_test.456
P2B4_dirichlet_test.429
P2B4_dirichlet_test.430
P2B4_dirichlet_test.431
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

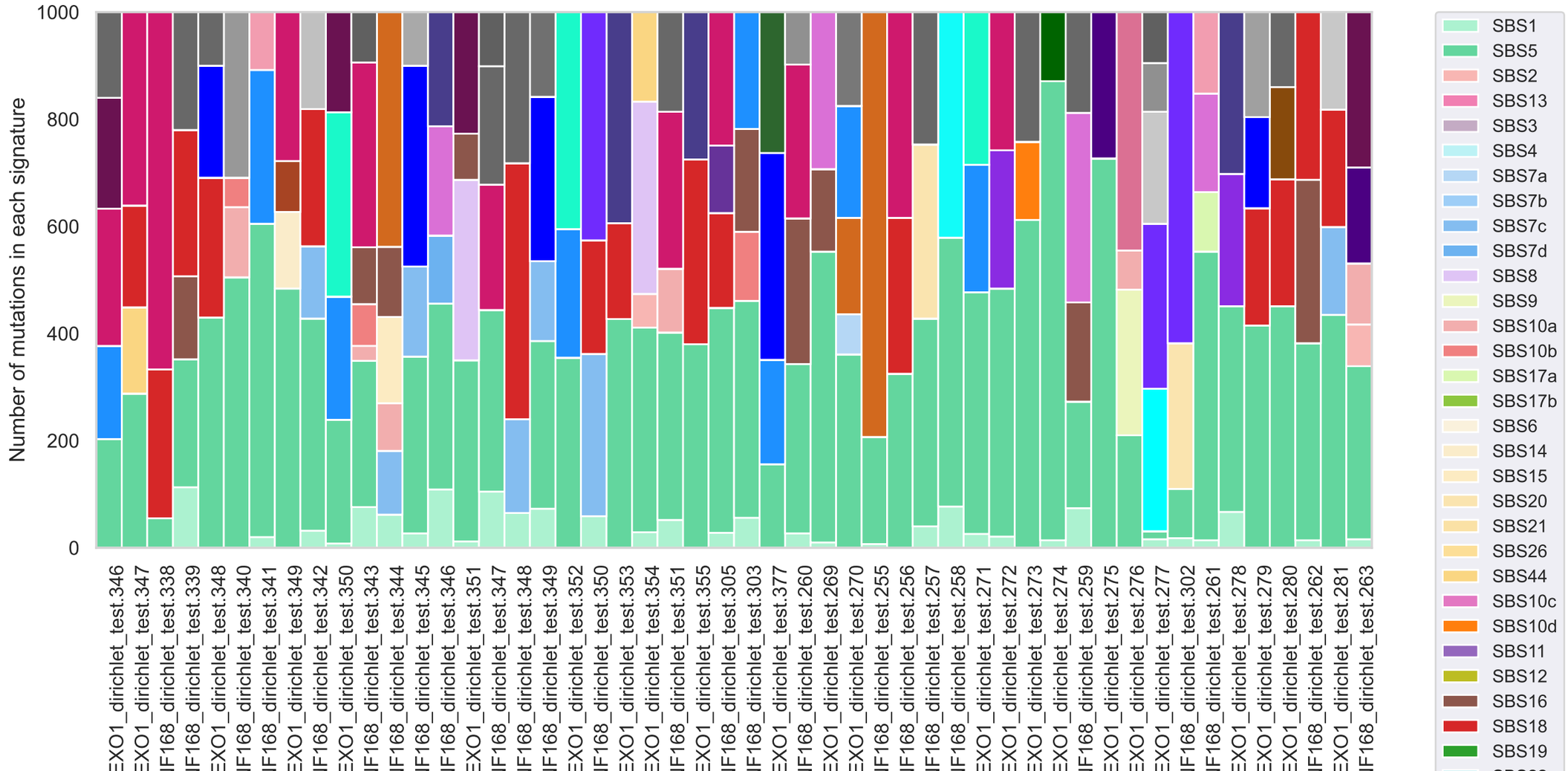

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.432
P2B4_dirichlet_test.433
P2B4_dirichlet_test.434
P2B4_dirichlet_test.435
P2B4_dirichlet_test.436
P2B4_dirichlet_test.437
P2B4_dirichlet_test.438
P2B4_dirichlet_test.439
P2B4_dirichlet_test.440
P2B4_dirichlet_test.441
P2B4_dirichlet_test.442
P2B4_dirichlet_test.443
P2B4_dirichlet_test.444
P2B4_dirichlet_test.445
P2B4_dirichlet_test.446
P2B4_dirichlet_test.447
P2B4_dirichlet_test.448
P2B4_dirichlet_test.449
P2B4_dirichlet_test.450
P2B4_dirichlet_test.451
P2B4_dirichlet_test.452
P2B4_dirichlet_test.453
P2B4_dirichlet_test.454
P2B4_dirichlet_test.455
P2B4_dirichlet_test.365
P2B4_dirichlet_test.363
P2B4_dirichlet_test.240
P2B4_dirichlet_test.285
P2B4_dirichlet_test.272
P2B4_dirichlet_test.273
P2B4_dirichlet_test.274
P2B4_dirichlet_test.275
P2B4_dirichlet_test.276
P2B4_dirichlet_test.277
P2B4_dirichlet_test.278
P2B4_dirichlet_test.279
P2B4_dirichlet_test.280
P2B4_dirichlet_test.281
P2B4_dirichlet_test.282
P2B4_dirichlet_test.283
P2B4_dirichlet_test.284
P2B4_dirichlet_test.286
P2B4_dirichlet_test.362
P2B4_dirichlet_test.287
P2B4_dirichlet_test.288
P2B4_dirichlet_test.289
P2B4_dirichlet_test.290
P2B4_dirichlet_test.291
P2B4_dirichlet_test.292
P2B4_dirichlet_test.293
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

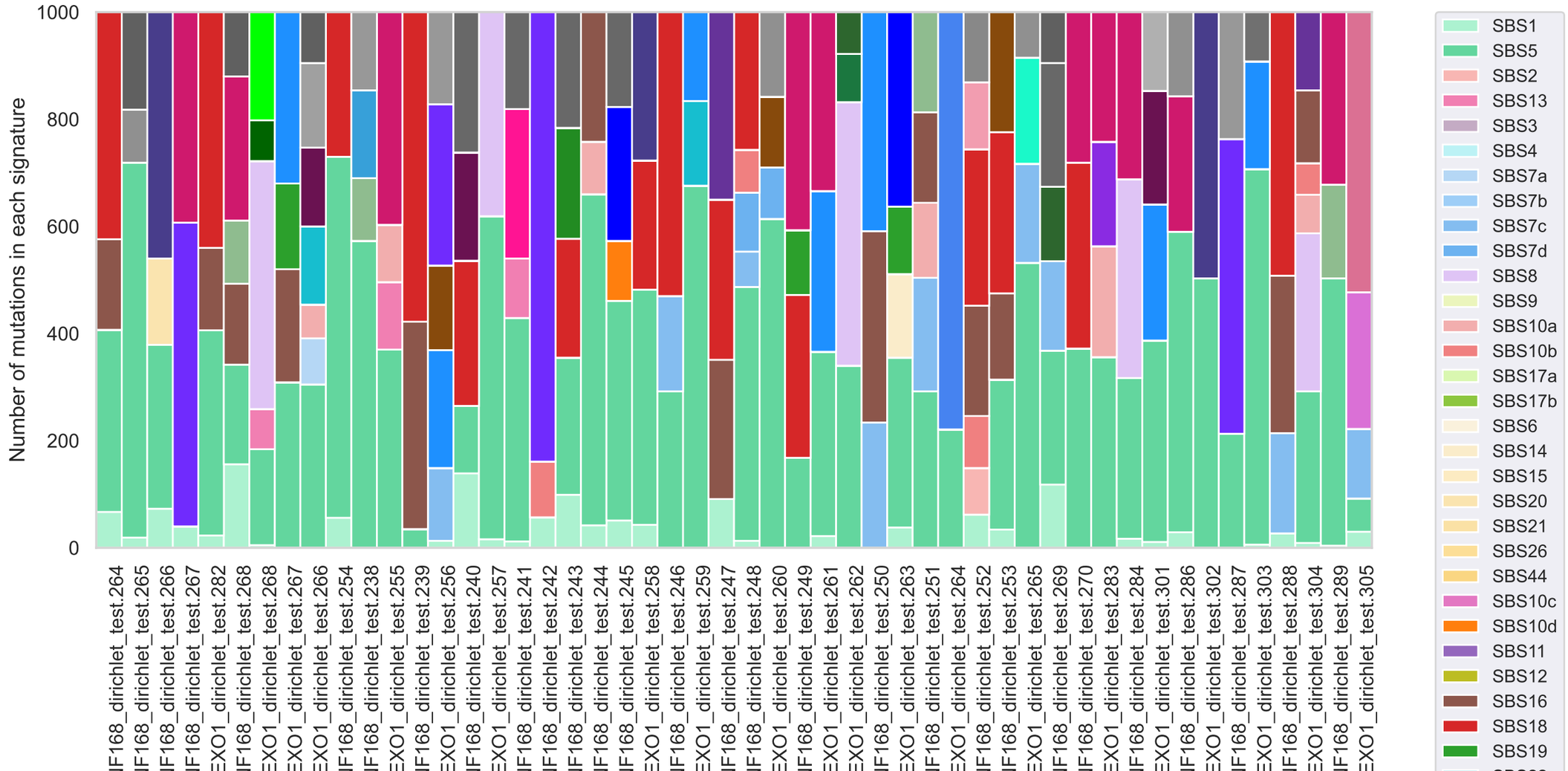

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.294
P2B4_dirichlet_test.295
P2B4_dirichlet_test.296
P2B4_dirichlet_test.297
P2B4_dirichlet_test.298
P2B4_dirichlet_test.299
P2B4_dirichlet_test.271
P2B4_dirichlet_test.270
P2B4_dirichlet_test.269
P2B4_dirichlet_test.268
P2B4_dirichlet_test.241
P2B4_dirichlet_test.242
P2B4_dirichlet_test.243
P2B4_dirichlet_test.244
P2B4_dirichlet_test.245
P2B4_dirichlet_test.246
P2B4_dirichlet_test.247
P2B4_dirichlet_test.248
P2B4_dirichlet_test.249
P2B4_dirichlet_test.250
P2B4_dirichlet_test.251
P2B4_dirichlet_test.252
P2B4_dirichlet_test.253
P2B4_dirichlet_test.254
P2B4_dirichlet_test.255
P2B4_dirichlet_test.256
P2B4_dirichlet_test.257
P2B4_dirichlet_test.258
P2B4_dirichlet_test.259
P2B4_dirichlet_test.260
P2B4_dirichlet_test.261
P2B4_dirichlet_test.262
P2B4_dirichlet_test.263
P2B4_dirichlet_test.264
P2B4_dirichlet_test.265
P2B4_dirichlet_test.266
P2B4_dirichlet_test.267
P2B4_dirichlet_test.300
P2B4_dirichlet_test.301
P2B4_dirichlet_test.302
P2B4_dirichlet_test.333
P2B4_dirichlet_test.335
P2B4_dirichlet_test.336
P2B4_dirichlet_test.337
P2B4_dirichlet_test.338
P2B4_dirichlet_test.339
P2B4_dirichlet_test.340
P2B4_dirichlet_test.341
P2B4_dirichlet_test.342
P2B4_dirichlet_test.343
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

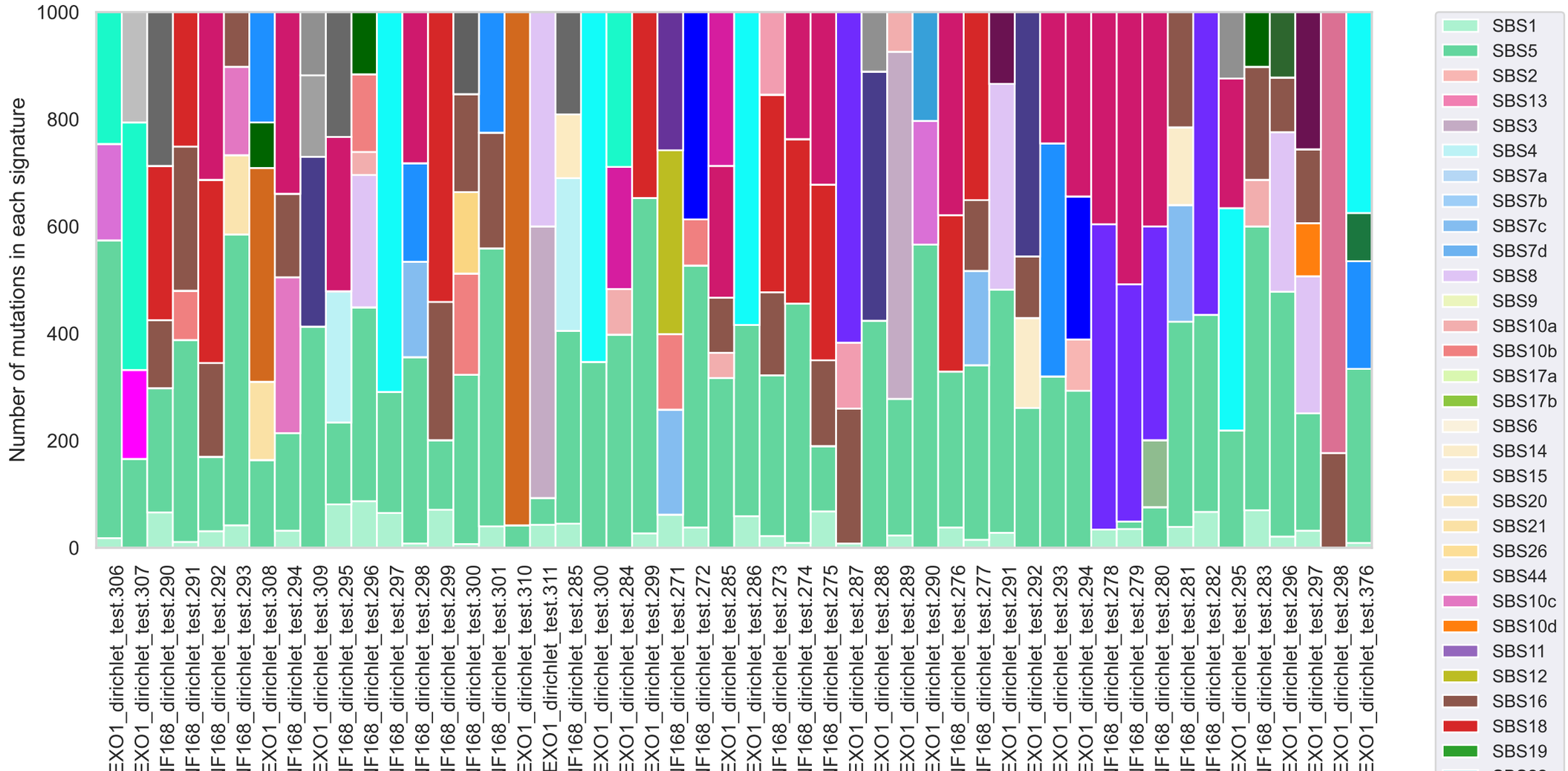

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.344
P2B4_dirichlet_test.345
P2B4_dirichlet_test.346
P2B4_dirichlet_test.347
P2B4_dirichlet_test.348
P2B4_dirichlet_test.349
P2B4_dirichlet_test.350
P2B4_dirichlet_test.351
P2B4_dirichlet_test.352
P2B4_dirichlet_test.353
P2B4_dirichlet_test.354
P2B4_dirichlet_test.355
P2B4_dirichlet_test.356
P2B4_dirichlet_test.357
P2B4_dirichlet_test.358
P2B4_dirichlet_test.359
P2B4_dirichlet_test.360
P2B4_dirichlet_test.361
P2B4_dirichlet_test.334
P2B4_dirichlet_test.332
P2B4_dirichlet_test.303
P2B4_dirichlet_test.331
P2B4_dirichlet_test.304
P2B4_dirichlet_test.305
P2B4_dirichlet_test.306
P2B4_dirichlet_test.307
P2B4_dirichlet_test.308
P2B4_dirichlet_test.309
P2B4_dirichlet_test.310
P2B4_dirichlet_test.311
P2B4_dirichlet_test.312
P2B4_dirichlet_test.313
P2B4_dirichlet_test.314
P2B4_dirichlet_test.315
P2B4_dirichlet_test.316
P2B4_dirichlet_test.317
P2B4_dirichlet_test.318
P2B4_dirichlet_test.319
P2B4_dirichlet_test.320
P2B4_dirichlet_test.321
P2B4_dirichlet_test.322
P2B4_dirichlet_test.323
P2B4_dirichlet_test.324
P2B4_dirichlet_test.325
P2B4_dirichlet_test.326
P2B4_dirichlet_test.327
P2B4_dirichlet_test.328
P2B4_dirichlet_test.329
P2B4_dirichlet_test.330
P2B4_dirichlet_test.987
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

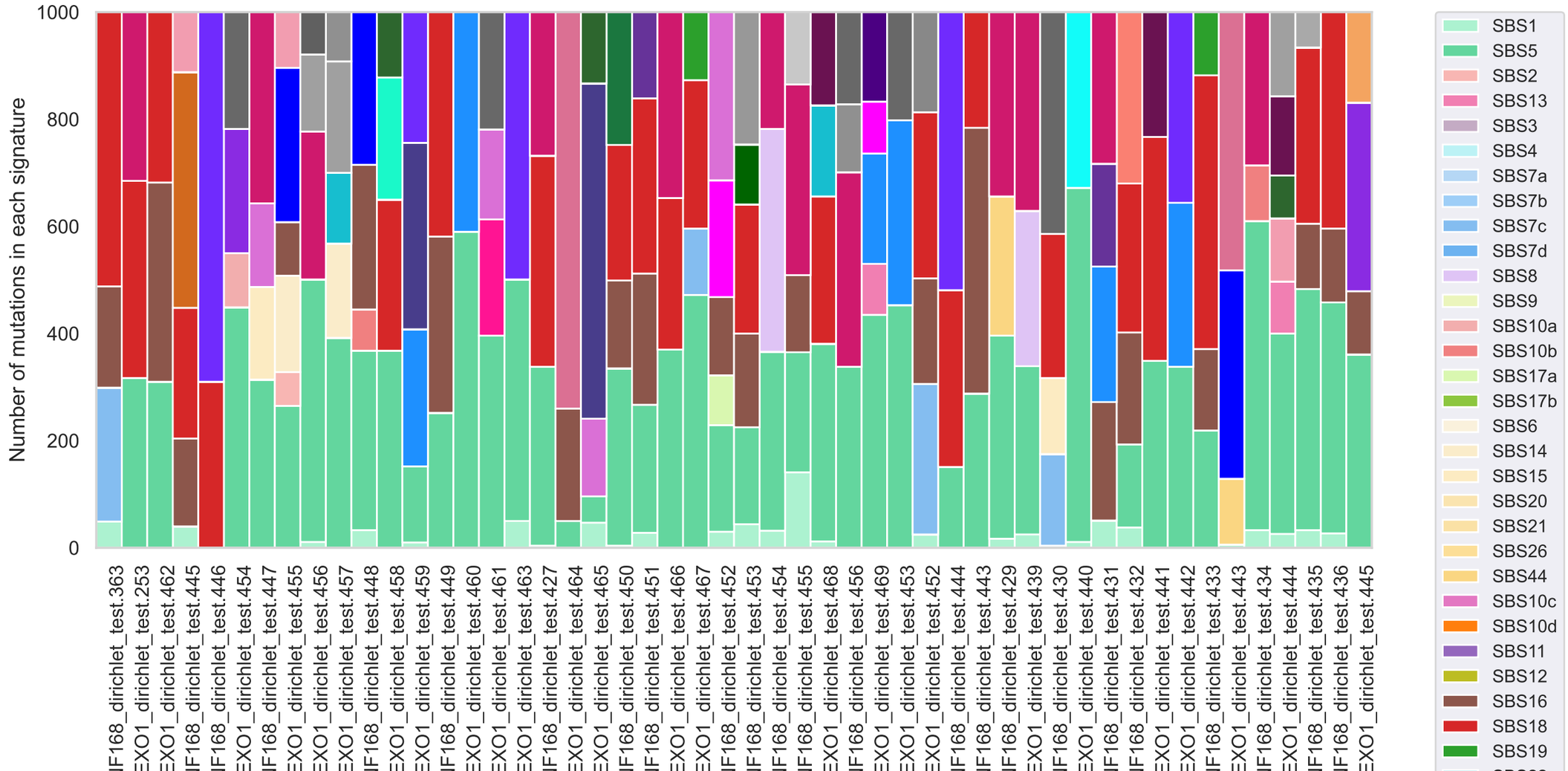

Number of mutations in each signature
1000
800
600
400
200
0
P2B4_dirichlet_test.989
IF168_dirichlet_test.483
IF168_dirichlet_test.324
EXO1_dirichlet_test.329
EXO1_dirichlet_test.330
IF168_dirichlet_test.320
EXO1_dirichlet_test.331
EXO1_dirichlet_test.332
EXO1_dirichlet_test.333
EXO1_dirichlet_test.334
EXO1_dirichlet_test.335
IF168_dirichlet_test.321
IF168_dirichlet_test.322
IF168_dirichlet_test.323
EXO1_dirichlet_test.336
EXO1_dirichlet_test.337
IF168_dirichlet_test.325
IF168_dirichlet_test.304
EXO1_dirichlet_test.338
EXO1_dirichlet_test.339
EXO1_dirichlet_test.340
IF168_dirichlet_test.326
IF168_dirichlet_test.327
EXO1_dirichlet_test.341
IF168_dirichlet_test.328
IF168_dirichlet_test.329
IF168_dirichlet_test.330
IF168_dirichlet_test.331
IF168_dirichlet_test.332
IF168_dirichlet_test.333
EXO1_dirichlet_test.342
EXO1_dirichlet_test.328
IF168_dirichlet_test.319
EXO1_dirichlet_test.327
IF168_dirichlet_test.318
EXO1_dirichlet_test.312
IF168_dirichlet_test.306
EXO1_dirichlet_test.313
IF168_dirichlet_test.307
EXO1_dirichlet_test.314
IF168_dirichlet_test.308
EXO1_dirichlet_test.315
EXO1_dirichlet_test.316
IF168_dirichlet_test.309
EXO1_dirichlet_test.317
IF168_dirichlet_test.310
NF168_dirichlet_test.311
EXO1_dirichlet_test.318
IF168_dirichlet_test.312
EXO1_dirichlet_test.319
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

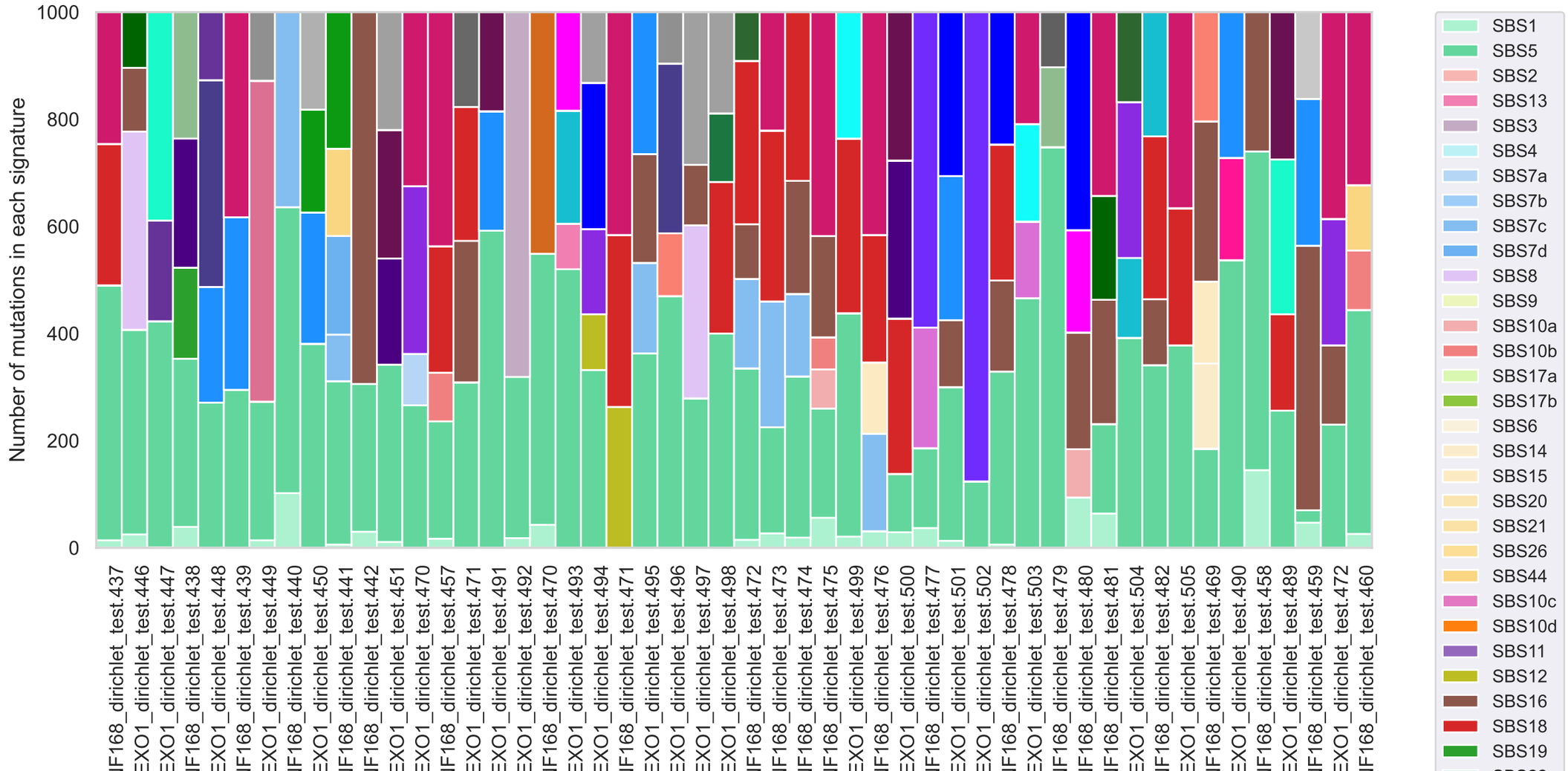

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.320
EXO1_dirichlet_test.321
IF168_dirichlet_test.313
EXO1_dirichlet_test.322
EXO1_dirichlet_test.323
EXO1_dirichlet_test.324
EXO1_dirichlet_test.325
EXO1_dirichlet_test.326
IF168_dirichlet_test.314
IF168_dirichlet_test.315
IF168_dirichlet_test.316
IF168_dirichlet_test.317
IF168_dirichlet_test.334
EXO1_dirichlet_test.343
EXO1_dirichlet_test.344
EXO1_dirichlet_test.357
IF168_dirichlet_test.354
EXO1_dirichlet_test.358
EXO1_dirichlet_test.359
EXO1_dirichlet_test.360
EXO1_dirichlet_test.361
IF168_dirichlet_test.355
IF168_dirichlet_test.356
IF168_dirichlet_test.357
EXO1_dirichlet_test.362
EXO1_dirichlet_test.363
EXO1_dirichlet_test.364
EXO1_dirichlet_test.365
EXO1_dirichlet_test.366
IF168_dirichlet_test.358
IF168_dirichlet_test.359
EXO1_dirichlet_test.367
IF168_dirichlet_test.360
IF168_dirichlet_test.361
EXO1_dirichlet_test.368
EXO1_dirichlet_test.369
EXO1_dirichlet_test.370
IF168_dirichlet_test.362
EXO1_dirichlet_test.371
EXO1_dirichlet_test.372
EXO1_dirichlet_test.373
EXO1_dirichlet_test.374
EXO1_dirichlet_test.375
IF168_dirichlet_test.353
IF168_dirichlet_test.352
IF168_dirichlet_test.335
EXO1_dirichlet_test.356
IF168_dirichlet_test.336
EXO1_dirichlet_test.345
IF168_dirichlet_test.337
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

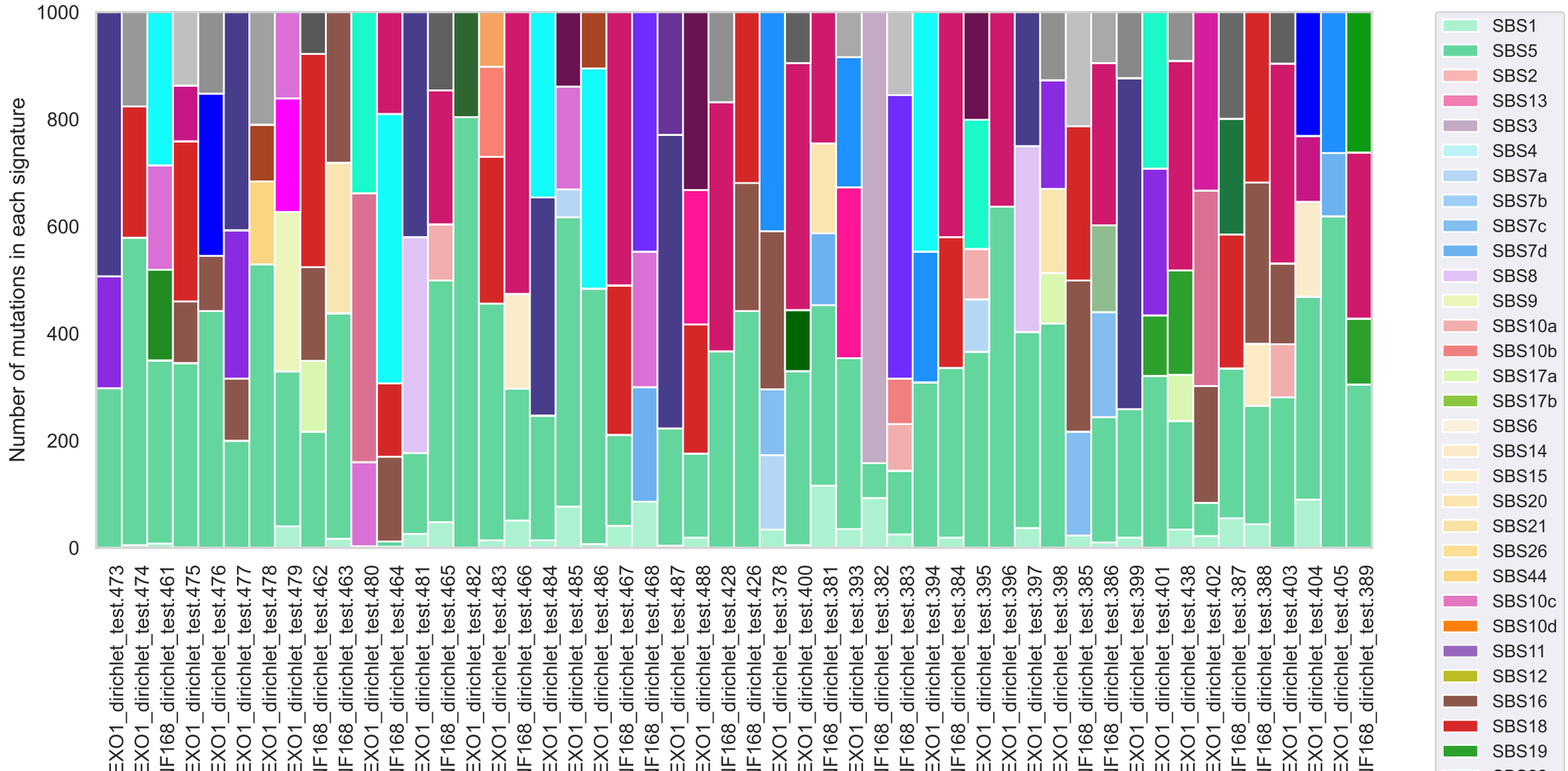

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.346
EXO1_dirichlet_test.347
IF168_dirichlet_test.338
IF168_dirichlet_test.339
EXO1_dirichlet_test.348
IF168_dirichlet_test.340
IF168_dirichlet_test.341
EXO1_dirichlet_test.349
IF168_dirichlet_test.342
EXO1_dirichlet_test.350
IF168_dirichlet_test.343
IF168_dirichlet_test.344
IF168_dirichlet_test.345
IF168_dirichlet_test.346
EXO1_dirichlet_test.351
IF168_dirichlet_test.347
IF168_dirichlet_test.348
IF168_dirichlet_test.349
EXO1_dirichlet_test.352
IF168_dirichlet_test.350
EXO1_dirichlet_test.353
EXO1_dirichlet_test.354
IF168_dirichlet_test.351
EXO1_dirichlet_test.355
IF168_dirichlet_test.305
IF168_dirichlet_test.303
EXO1_dirichlet_test.377
IF168_dirichlet_test.260
EXO1_dirichlet_test.269
EXO1_dirichlet_test.270
IF168_dirichlet_test.255
IF168_dirichlet_test.256
IF168_dirichlet_test.257
IF168_dirichlet_test.258
EXO1_dirichlet_test.271
EXO1_dirichlet_test.272
EXO1_dirichlet_test.273
EXO1_dirichlet_test.274
IF168_dirichlet_test.259
EXO1_dirichlet_test.275
EXO1_dirichlet_test.276
EXO1_dirichlet_test.277
IF168_dirichlet_test.302
IF168_dirichlet_test.261
EXO1_dirichlet_test.278
EXO1_dirichlet_test.279
EXO1_dirichlet_test.280
IF168_dirichlet_test.262
EXO1_dirichlet_test.281
IF168_dirichlet_test.263
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

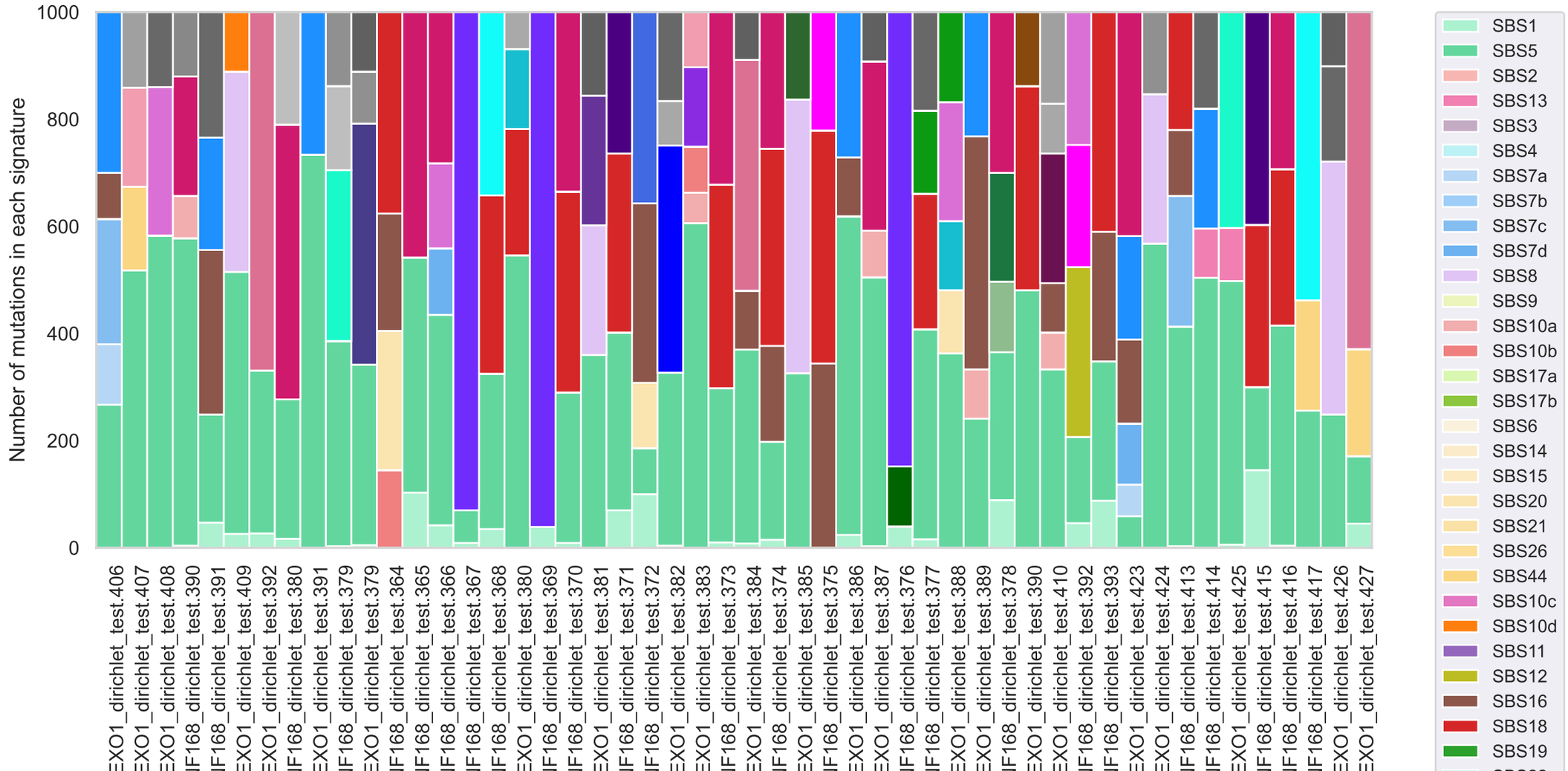

Number of mutations in each signature
1000
800
600
400
200
0
IF168_dirichlet_test.264
IF168_dirichlet_test.265
IF168_dirichlet_test.266
IF168_dirichlet_test.267
EXO1_dirichlet_test.282
IF168_dirichlet_test.268
EXO1_dirichlet_test.268
EXO1_dirichlet_test.267
EXO1_dirichlet_test.266
IF168_dirichlet_test.254
IF168_dirichlet_test.238
EXO1_dirichlet_test.255
IF168_dirichlet_test.239
EXO1_dirichlet_test.256
IF168_dirichlet_test.240
EXO1_dirichlet_test.257
IF168_dirichlet_test.241
IF168_dirichlet_test.242
IF168_dirichlet_test.243
IF168_dirichlet_test.244
IF168_dirichlet_test.245
EXO1_dirichlet_test.258
IF168_dirichlet_test.246
EXO1_dirichlet_test.259
IF168_dirichlet_test.247
IF168_dirichlet_test.248
EXO1_dirichlet_test.260
IF168_dirichlet_test.249
EXO1_dirichlet_test.261
EXO1_dirichlet_test.262
IF168_dirichlet_test.250
EXO1_dirichlet_test.263
IF168_dirichlet_test.251
EXO1_dirichlet_test.264
IF168_dirichlet_test.252
IF168_dirichlet_test.253
EXO1_dirichlet_test.265
IF168_dirichlet_test.269
IF168_dirichlet_test.270
EXO1_dirichlet_test.283
IF168_dirichlet_test.284
EXO1_dirichlet_test.301
IF168_dirichlet_test.286
EXO1_dirichlet_test.302
IF168_dirichlet_test.287
EXO1_dirichlet_test.303
IF168_dirichlet_test.288
EXO1_dirichlet_test.304
IF168_dirichlet_test.289
EXO1_dirichlet_test.305
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

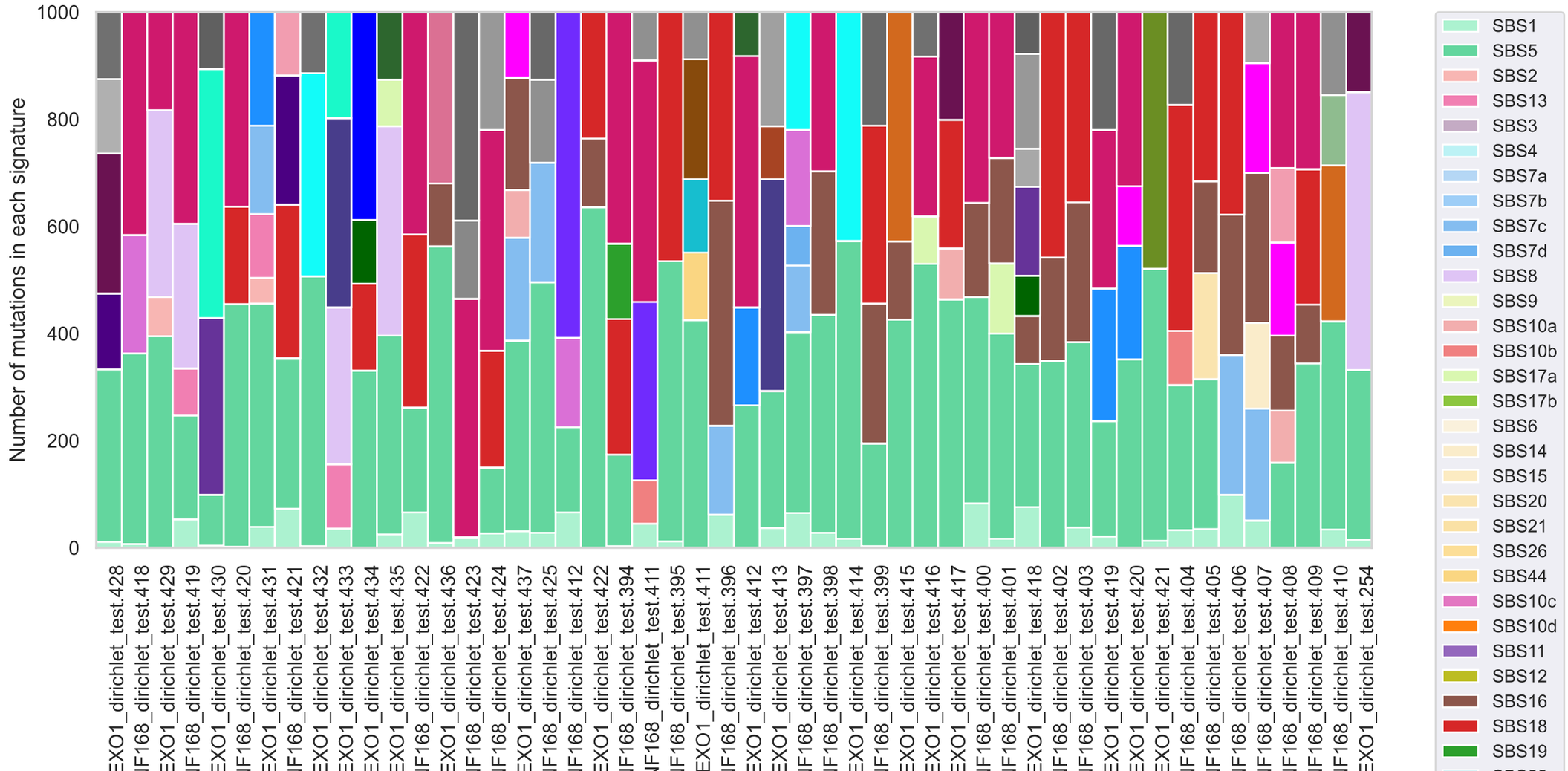

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.306
EXO1_dirichlet_test.307
IF168_dirichlet_test.290
IF168_dirichlet_test.291
IF168_dirichlet_test.292
IF168_dirichlet_test.293
EXO1_dirichlet_test.308
IF168_dirichlet_test.294
EXO1_dirichlet_test.309
IF168_dirichlet_test.295
IF168_dirichlet_test.296
IF168_dirichlet_test.297
IF168_dirichlet_test.298
IF168_dirichlet_test.299
IF168_dirichlet_test.300
IF168_dirichlet_test.301
EXO1_dirichlet_test.310
EXO1_dirichlet_test.311
IF168_dirichlet_test.285
EXO1_dirichlet_test.300
EXO1_dirichlet_test.284
EXO1_dirichlet_test.299
IF168_dirichlet_test.271
IF168_dirichlet_test.272
EXO1_dirichlet_test.285
EXO1_dirichlet_test.286
IF168_dirichlet_test.273
IF168_dirichlet_test.274
IF168_dirichlet_test.275
EXO1_dirichlet_test.287
EXO1_dirichlet_test.288
EXO1_dirichlet_test.289
EXO1_dirichlet_test.290
IF168_dirichlet_test.276
IF168_dirichlet_test.277
EXO1_dirichlet_test.291
EXO1_dirichlet_test.292
EXO1_dirichlet_test.293
EXO1_dirichlet_test.294
IF168_dirichlet_test.278
IF168_dirichlet_test.279
IF168_dirichlet_test.280
IF168_dirichlet_test.281
IF168_dirichlet_test.282
EXO1_dirichlet_test.295
IF168_dirichlet_test.283
EXO1_dirichlet_test.296
EXO1_dirichlet_test.297
EXO1_dirichlet_test.298
EXO1_dirichlet_test.376
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

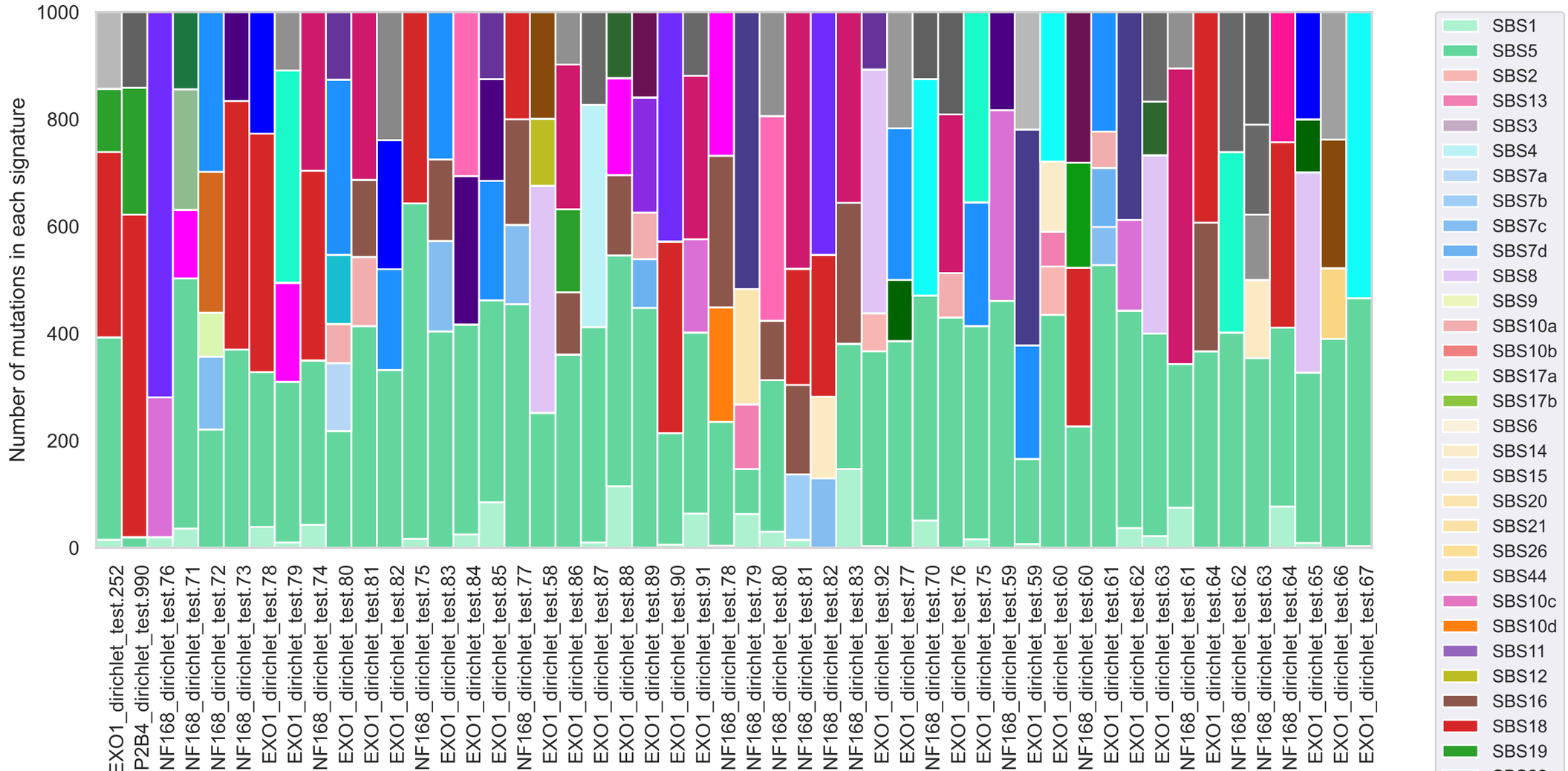

Number of mutations in each signature
1000
800
600
400
200
0
IF168_dirichlet_test.363
EXO1_dirichlet_test.253
EXO1_dirichlet_test.462
IF168_dirichlet_test.445
IF168_dirichlet_test.446
EXO1_dirichlet_test.454
IF168_dirichlet_test.447
EXO1_dirichlet_test.455
EXO1_dirichlet_test.456
EXO1_dirichlet_test.457
IF168_dirichlet_test.448
EXO1_dirichlet_test.458
EXO1_dirichlet_test.459
IF168_dirichlet_test.449
EXO1_dirichlet_test.460
EXO1_dirichlet_test.461
EXO1_dirichlet_test.463
IF168_dirichlet_test.427
EXO1_dirichlet_test.464
EXO1_dirichlet_test.465
IF168_dirichlet_test.450
IF168_dirichlet_test.451
EXO1_dirichlet_test.466
EXO1_dirichlet_test.467
IF168_dirichlet_test.452
IF168_dirichlet_test.453
IF168_dirichlet_test.454
IF168_dirichlet_test.455
EXO1_dirichlet_test.468
IF168_dirichlet_test.456
EXO1_dirichlet_test.469
EXO1_dirichlet_test.453
EXO1_dirichlet_test.452
IF168_dirichlet_test.444
IF168_dirichlet_test.443
IF168_dirichlet_test.429
EXO1_dirichlet_test.439
IF168_dirichlet_test.430
EXO1_dirichlet_test.440
IF168_dirichlet_test.431
IF168_dirichlet_test.432
EXO1_dirichlet_test.441
EXO1_dirichlet_test.442
IF168_dirichlet_test.433
EXO1_dirichlet_test.443
IF168_dirichlet_test.434
EXO1_dirichlet_test.444
IF168_dirichlet_test.435
IF168_dirichlet_test.436
EXO1_dirichlet_test.445
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

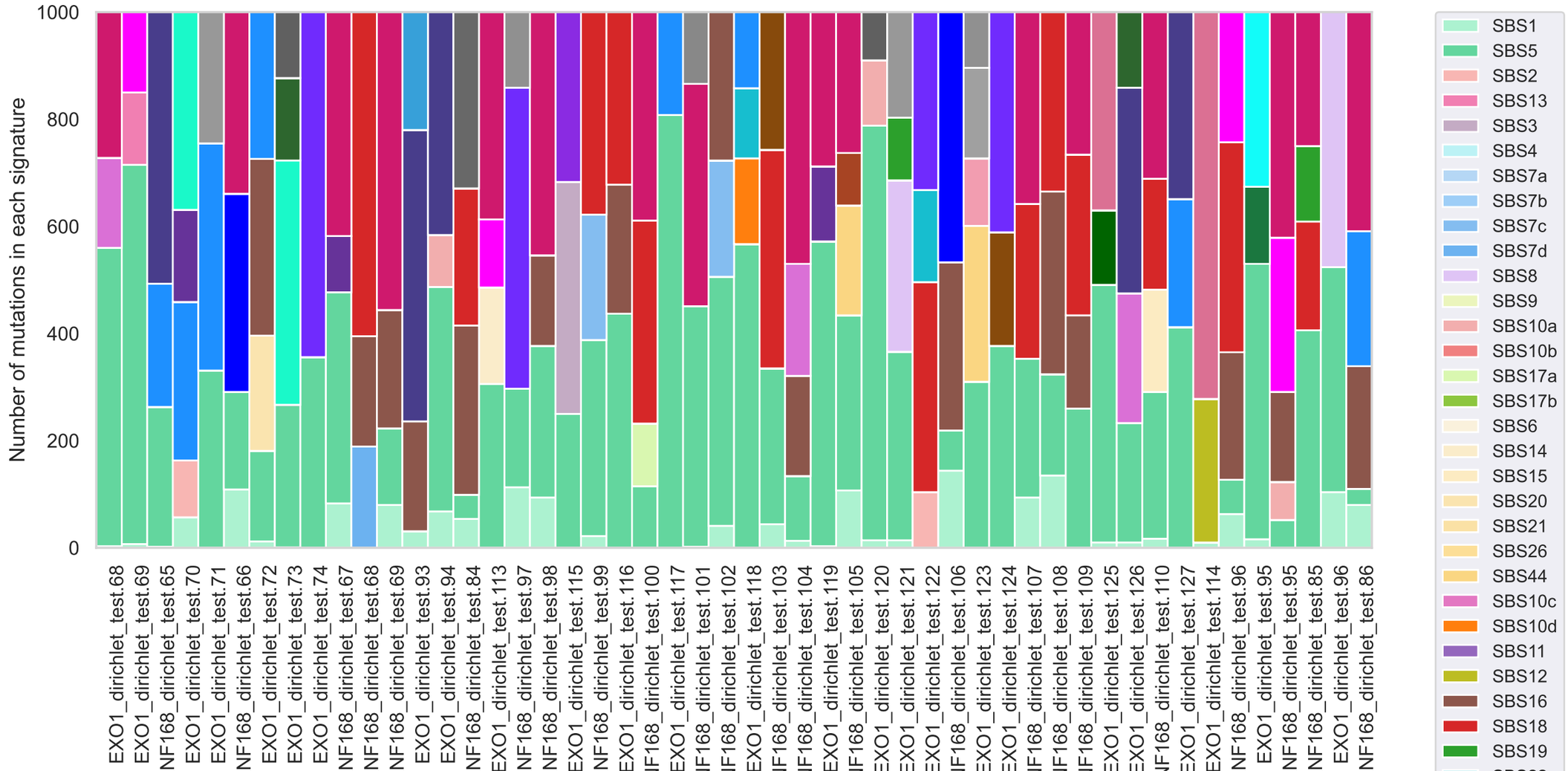

Number of mutations in each signature
1000
800
600
400
200
0
IF168_dirichlet_test.437
EXO1_dirichlet_test.446
EXO1_dirichlet_test.447
IF168_dirichlet_test.438
EXO1_dirichlet_test.448
IF168_dirichlet_test.439
EXO1_dirichlet_test.449
IF168_dirichlet_test.440
EXO1_dirichlet_test.450
IF168_dirichlet_test.441
IF168_dirichlet_test.442
EXO1_dirichlet_test.451
EXO1_dirichlet_test.470
IF168_dirichlet_test.457
EXO1_dirichlet_test.471
EXO1_dirichlet_test.491
EXO1_dirichlet_test.492
IF168_dirichlet_test.470
EXO1_dirichlet_test.493
EXO1_dirichlet_test.494
IF168_dirichlet_test.471
EXO1_dirichlet_test.495
EXO1_dirichlet_test.496
EXO1_dirichlet_test.497
EXO1_dirichlet_test.498
IF168_dirichlet_test.472
IF168_dirichlet_test.473
IF168_dirichlet_test.474
IF168_dirichlet_test.475
EXO1_dirichlet_test.499
IF168_dirichlet_test.476
EXO1_dirichlet_test.500
IF168_dirichlet_test.477
EXO1_dirichlet_test.501
EXO1_dirichlet_test.502
IF168_dirichlet_test.478
EXO1_dirichlet_test.503
IF168_dirichlet_test.479
IF168_dirichlet_test.480
IF168_dirichlet_test.481
EXO1_dirichlet_test.504
IF168_dirichlet_test.482
EXO1_dirichlet_test.505
IF168_dirichlet_test.469
EXO1_dirichlet_test.490
IF168_dirichlet_test.458
EXO1_dirichlet_test.489
IF168_dirichlet_test.459
EXO1_dirichlet_test.472
IF168_dirichlet_test.460
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

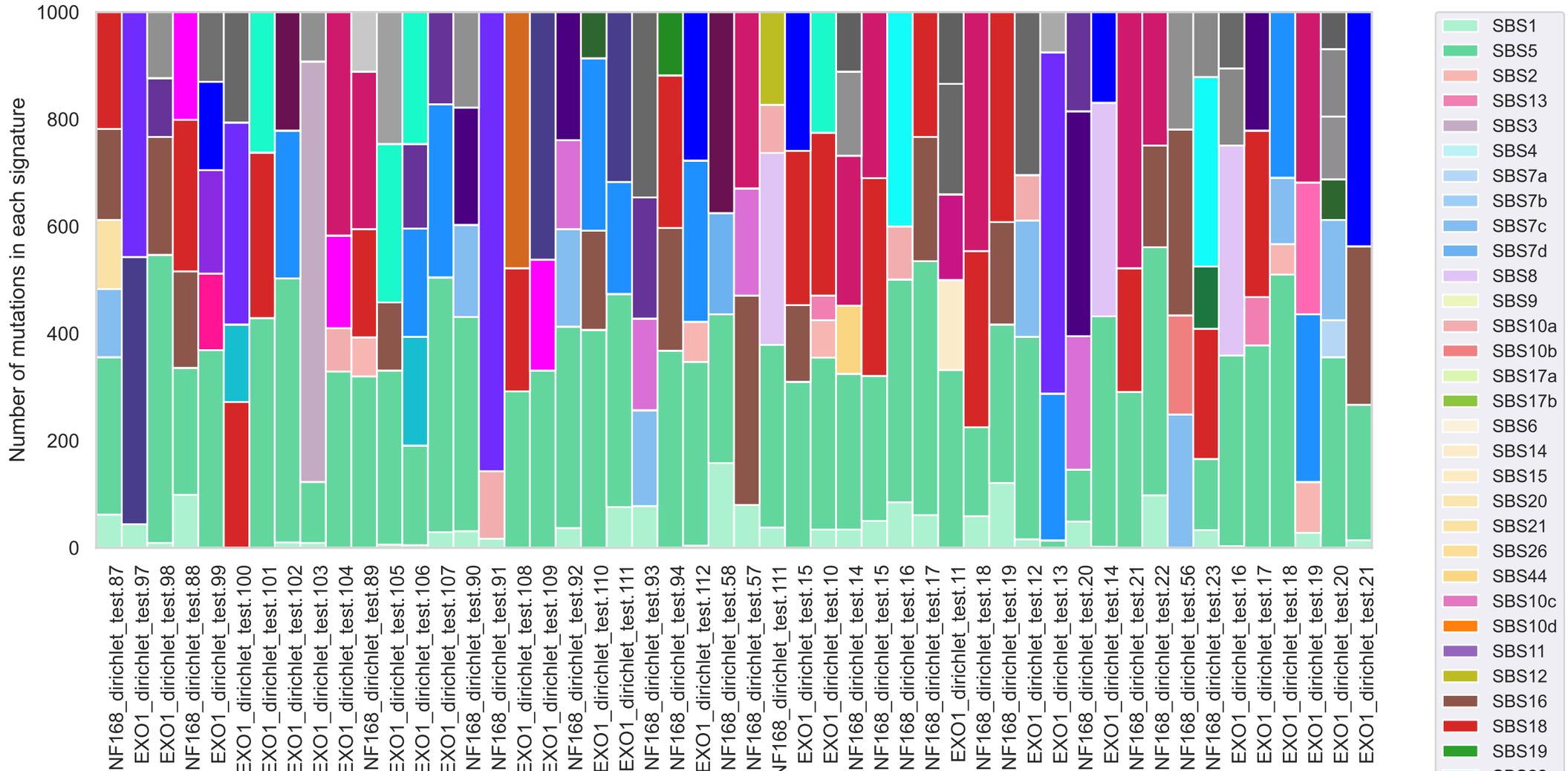

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.473
EXO1_dirichlet_test.474
IF168_dirichlet_test.461
EXO1_dirichlet_test.475
EXO1_dirichlet_test.476
EXO1_dirichlet_test.477
EXO1_dirichlet_test.478
EXO1_dirichlet_test.479
IF168_dirichlet_test.462
IF168_dirichlet_test.463
EXO1_dirichlet_test.480
IF168_dirichlet_test.464
EXO1_dirichlet_test.481
IF168_dirichlet_test.465
EXO1_dirichlet_test.482
EXO1_dirichlet_test.483
IF168_dirichlet_test.466
EXO1_dirichlet_test.484
EXO1_dirichlet_test.485
EXO1_dirichlet_test.486
IF168_dirichlet_test.467
IF168_dirichlet_test.468
EXO1_dirichlet_test.487
EXO1_dirichlet_test.488
IF168_dirichlet_test.428
IF168_dirichlet_test.426
EXO1_dirichlet_test.378
EXO1_dirichlet_test.400
IF168_dirichlet_test.381
EXO1_dirichlet_test.393
IF168_dirichlet_test.382
IF168_dirichlet_test.383
EXO1_dirichlet_test.394
IF168_dirichlet_test.384
EXO1_dirichlet_test.395
EXO1_dirichlet_test.396
EXO1_dirichlet_test.397
EXO1_dirichlet_test.398
IF168_dirichlet_test.385
IF168_dirichlet_test.386
EXO1_dirichlet_test.399
EXO1_dirichlet_test.401
EXO1_dirichlet_test.438
EXO1_dirichlet_test.402
IF168_dirichlet_test.387
IF168_dirichlet_test.388
EXO1_dirichlet_test.403
EXO1_dirichlet_test.404
EXO1_dirichlet_test.405
IF168_dirichlet_test.389
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

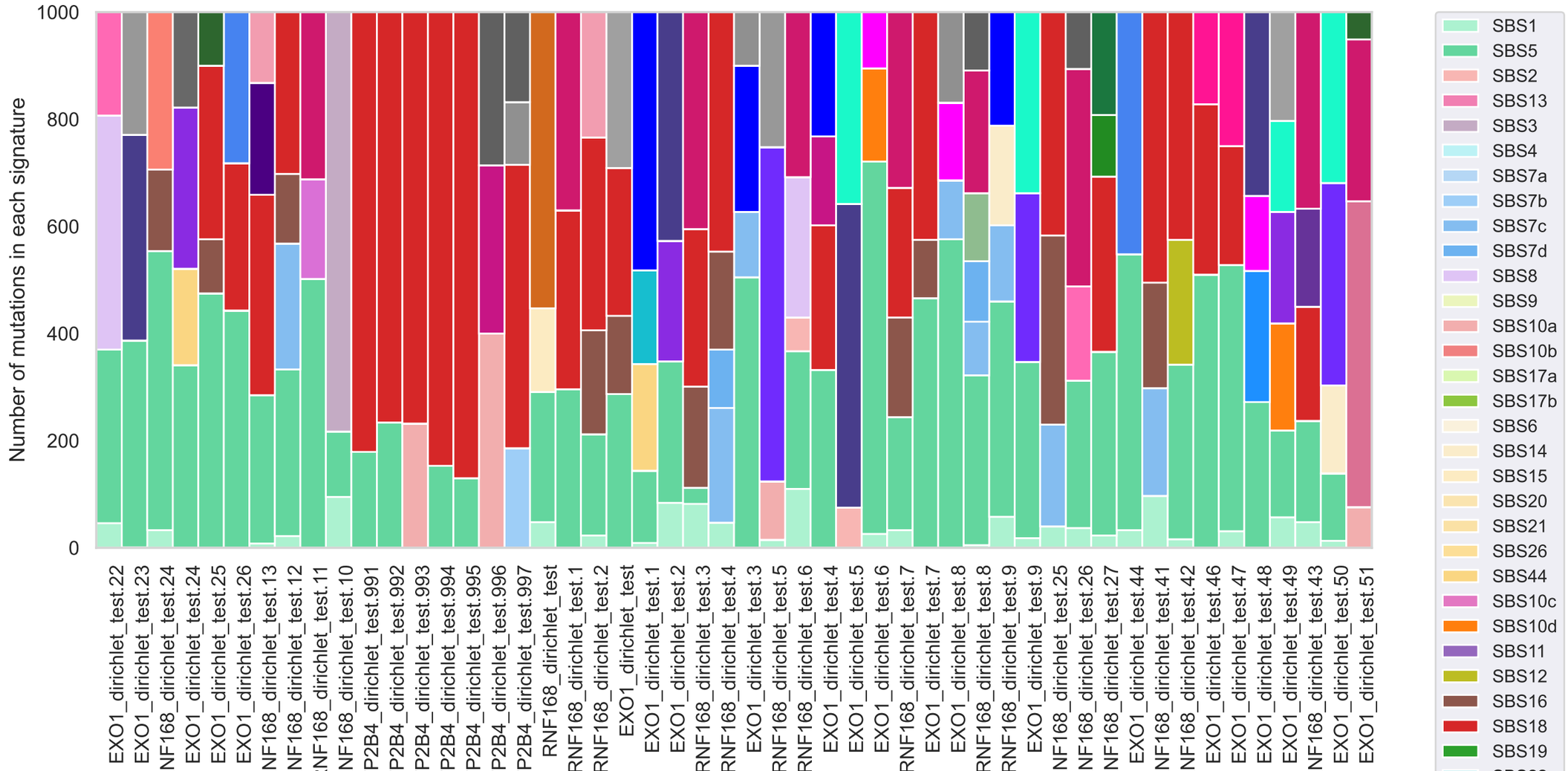

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.406
EXO1_dirichlet_test.407
EXO1_dirichlet_test.408
IF168_dirichlet_test.390
IF168_dirichlet_test.391
EXO1_dirichlet_test.409
EXO1_dirichlet_test.392
IF168_dirichlet_test.380
EXO1_dirichlet_test.391
IF168_dirichlet_test.379
EXO1_dirichlet_test.379
IF168_dirichlet_test.364
IF168_dirichlet_test.365
IF168_dirichlet_test.366
IF168_dirichlet_test.367
IF168_dirichlet_test.368
EXO1_dirichlet_test.380
IF168_dirichlet_test.369
IF168_dirichlet_test.370
EXO1_dirichlet_test.381
IF168_dirichlet_test.371
IF168_dirichlet_test.372
EXO1_dirichlet_test.382
EXO1_dirichlet_test.383
IF168_dirichlet_test.373
EXO1_dirichlet_test.384
IF168_dirichlet_test.374
EXO1_dirichlet_test.385
IF168_dirichlet_test.375
EXO1_dirichlet_test.386
EXO1_dirichlet_test.387
IF168_dirichlet_test.376
IF168_dirichlet_test.377
EXO1_dirichlet_test.388
EXO1_dirichlet_test.389
IF168_dirichlet_test.378
EXO1_dirichlet_test.390
EXO1_dirichlet_test.410
IF168_dirichlet_test.392
IF168_dirichlet_test.393
EXO1_dirichlet_test.423
EXO1_dirichlet_test.424
IF168_dirichlet_test.413
IF168_dirichlet_test.414
EXO1_dirichlet_test.425
IF168_dirichlet_test.415
IF168_dirichlet_test.416
IF168_dirichlet_test.417
EXO1_dirichlet_test.426
EXO1_dirichlet_test.427
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

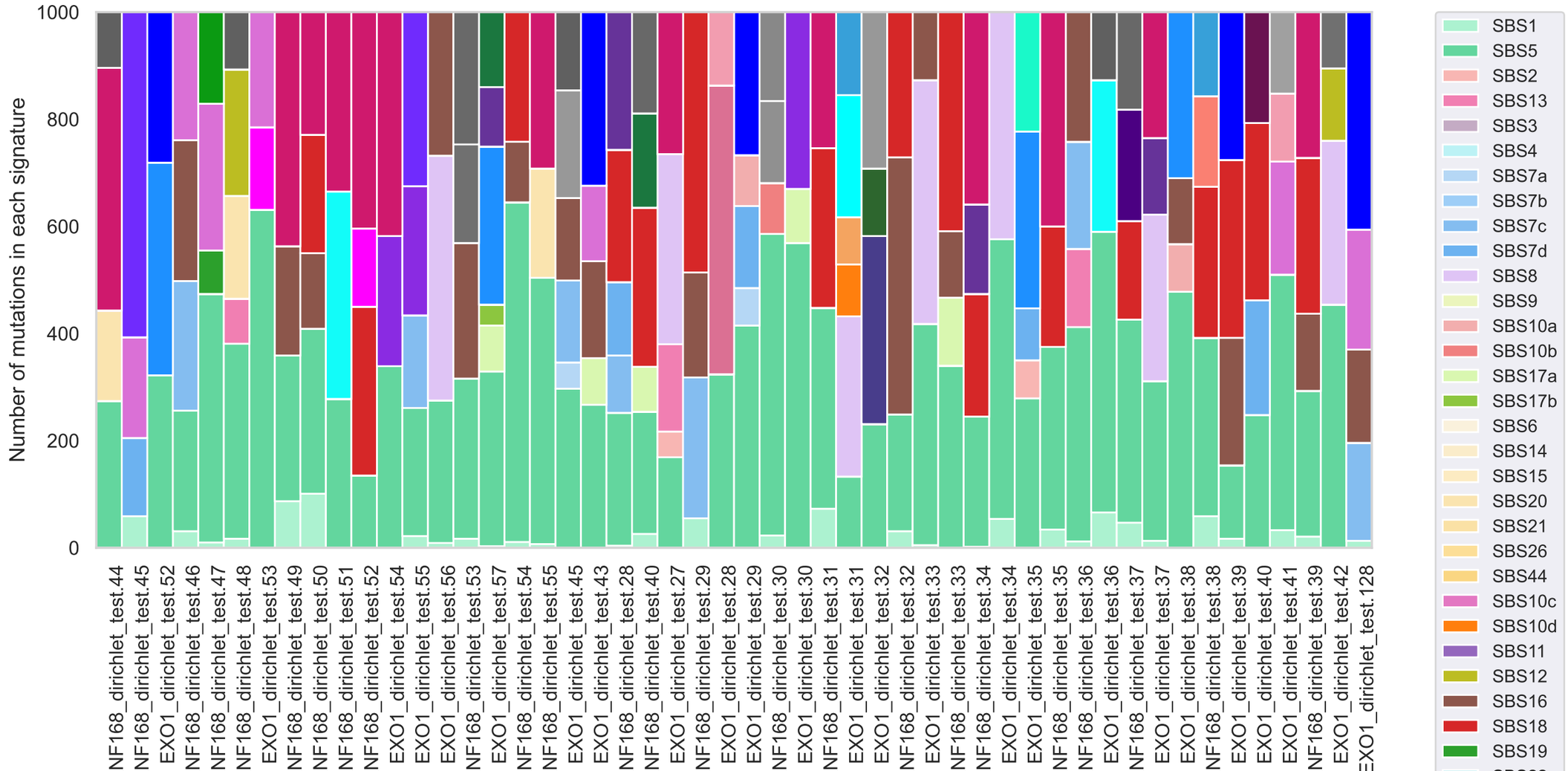

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.428
IF168_dirichlet_test.418
EXO1_dirichlet_test.429
IF168_dirichlet_test.419
EXO1_dirichlet_test.430
IF168_dirichlet_test.420
EXO1_dirichlet_test.431
IF168_dirichlet_test.421
EXO1_dirichlet_test.432
EXO1_dirichlet_test.433
EXO1_dirichlet_test.434
EXO1_dirichlet_test.435
IF168_dirichlet_test.422
EXO1_dirichlet_test.436
IF168_dirichlet_test.423
IF168_dirichlet_test.424
EXO1_dirichlet_test.437
IF168_dirichlet_test.425
IF168_dirichlet_test.412
EXO1_dirichlet_test.422
IF168_dirichlet_test.394
IF168_dirichlet_test.411
IF168_dirichlet_test.395
EXO1_dirichlet_test.411
IF168_dirichlet_test.396
EXO1_dirichlet_test.412
EXO1_dirichlet_test.413
IF168_dirichlet_test.397
IF168_dirichlet_test.398
EXO1_dirichlet_test.414
IF168_dirichlet_test.399
EXO1_dirichlet_test.415
EXO1_dirichlet_test.416
EXO1_dirichlet_test.417
IF168_dirichlet_test.400
IF168_dirichlet_test.401
EXO1_dirichlet_test.418
IF168_dirichlet_test.402
IF168_dirichlet_test.403
EXO1_dirichlet_test.419
EXO1_dirichlet_test.420
EXO1_dirichlet_test.421
IF168_dirichlet_test.404
IF168_dirichlet_test.405
IF168_dirichlet_test.406
IF168_dirichlet_test.407
IF168_dirichlet_test.408
IF168_dirichlet_test.409
IF168_dirichlet_test.410
EXO1_dirichlet_test.254
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

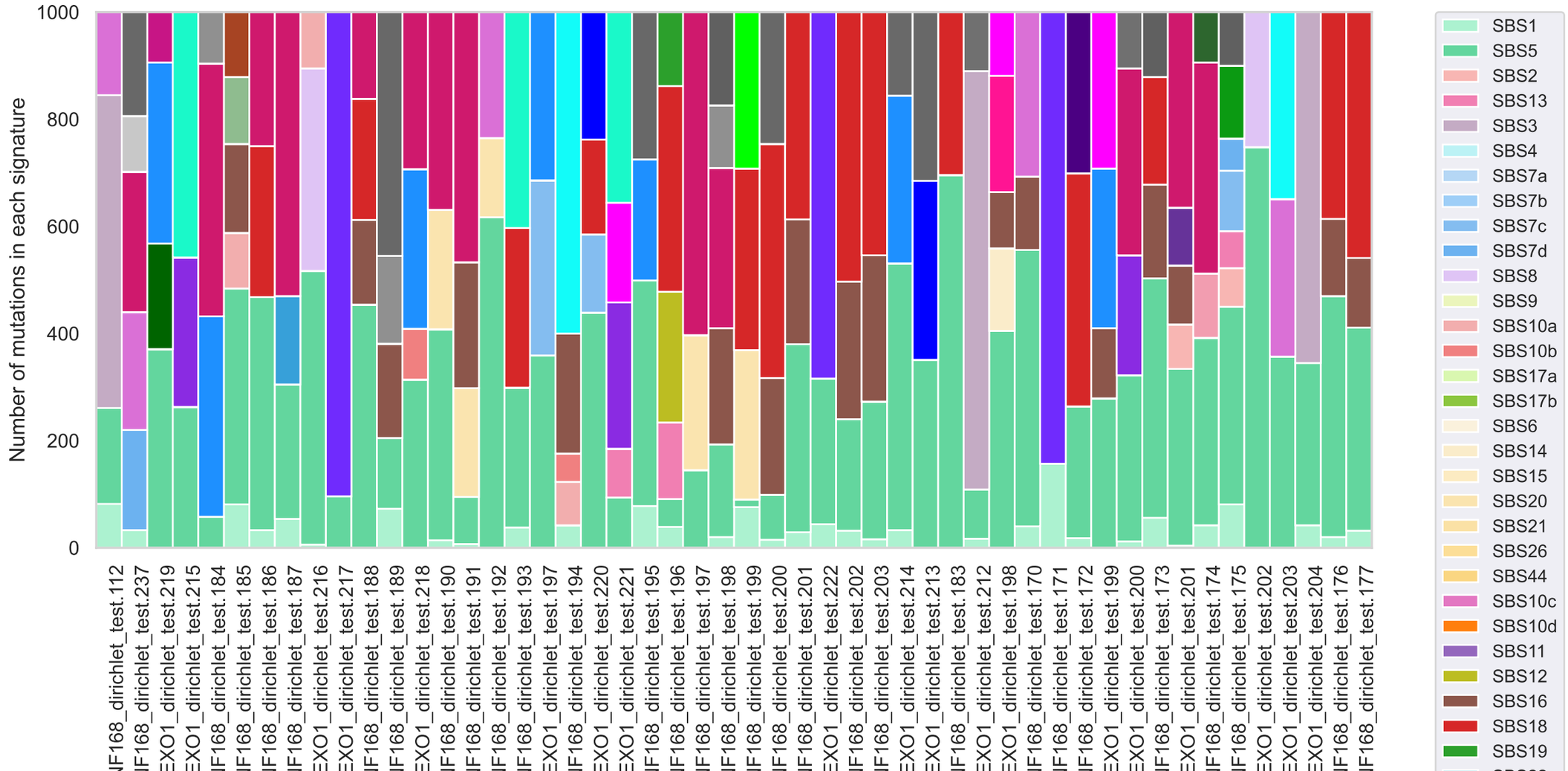

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.252
P2B4_dirichlet_test.990
NF168_dirichlet_test.76
NF168_dirichlet_test.71
NF168_dirichlet_test.72
NF168_dirichlet_test.73
EXO1_dirichlet_test.78
EXO1_dirichlet_test.79
NF168_dirichlet_test.74
EXO1_dirichlet_test.80
EXO1_dirichlet_test.81
EXO1_dirichlet_test.82
NF168_dirichlet_test.75
EXO1_dirichlet_test.83
EXO1_dirichlet_test.84
EXO1_dirichlet_test.85
NF168_dirichlet_test.77
EXO1_dirichlet_test.58
EXO1_dirichlet_test.86
EXO1_dirichlet_test.87
EXO1_dirichlet_test.88
EXO1_dirichlet_test.89
EXO1_dirichlet_test.90
EXO1_dirichlet_test.91
NF168_dirichlet_test.78
NF168_dirichlet_test.79
NF168_dirichlet_test.80
NF168_dirichlet_test.81
NF168_dirichlet_test.82
NF168_dirichlet_test.83
EXO1_dirichlet_test.92
EXO1_dirichlet_test.77
NF168_dirichlet_test.70
EXO1_dirichlet_test.76
EXO1_dirichlet_test.75
NF168_dirichlet_test.59
EXO1_dirichlet_test.59
EXO1_dirichlet_test.60
NF168_dirichlet_test.60
EXO1_dirichlet_test.61
EXO1_dirichlet_test.62
EXO1_dirichlet_test.63
NF168_dirichlet_test.61
EXO1_dirichlet_test.64
NF168_dirichlet_test.62
NF168_dirichlet_test.63
NF168_dirichlet_test.64
EXO1_dirichlet_test.65
EXO1_dirichlet_test.66
EXO1_dirichlet_test.67
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

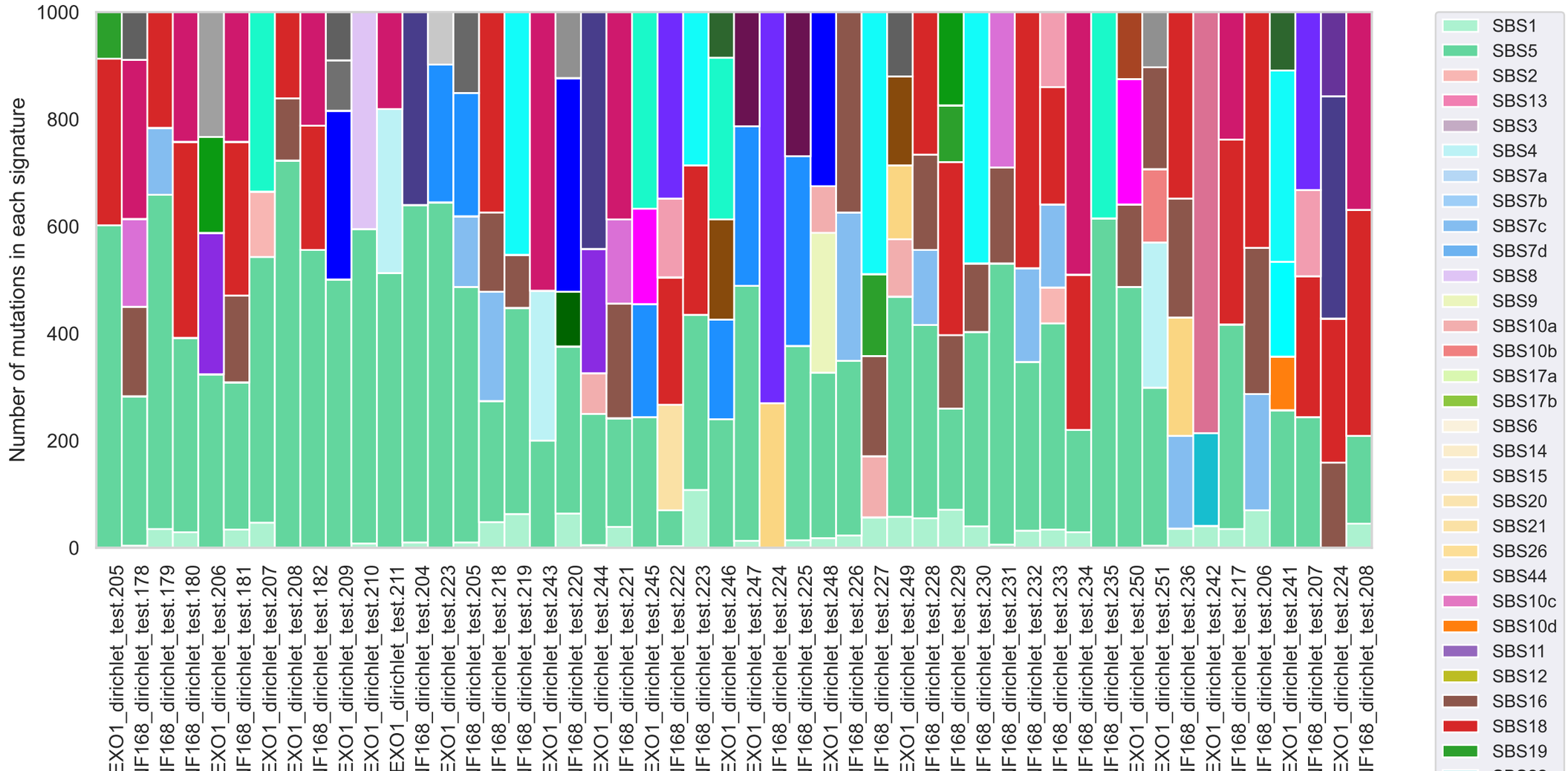

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.68
EXO1_dirichlet_test.69
NF168_dirichlet_test.65
EXO1_dirichlet_test.70
EXO1_dirichlet_test.71
NF168_dirichlet_test.66
EXO1_dirichlet_test.72
EXO1_dirichlet_test.73
EXO1_dirichlet_test.74
NF168_dirichlet_test.67
NF168_dirichlet_test.68
NF168_dirichlet_test.69
EXO1_dirichlet_test.93
EXO1_dirichlet_test.94
NF168_dirichlet_test.84
EXO1_dirichlet_test.113
NF168_dirichlet_test.97
NF168_dirichlet_test.98
EXO1_dirichlet_test.115
NF168_dirichlet_test.99
EXO1_dirichlet_test.116
NF168_dirichlet_test.100
EXO1_dirichlet_test.117
NF168_dirichlet_test.101
NF168_dirichlet_test.102
EXO1_dirichlet_test.118
NF168_dirichlet_test.103
NF168_dirichlet_test.104
EXO1_dirichlet_test.119
NF168_dirichlet_test.105
EXO1_dirichlet_test.120
EXO1_dirichlet_test.121
EXO1_dirichlet_test.122
NF168_dirichlet_test.106
EXO1_dirichlet_test.123
EXO1_dirichlet_test.124
NF168_dirichlet_test.107
NF168_dirichlet_test.108
NF168_dirichlet_test.109
EXO1_dirichlet_test.125
EXO1_dirichlet_test.126
NF168_dirichlet_test.110
EXO1_dirichlet_test.127
EXO1_dirichlet_test.114
NF168_dirichlet_test.96
EXO1_dirichlet_test.95
NF168_dirichlet_test.95
NF168_dirichlet_test.85
EXO1_dirichlet_test.96
NF168_dirichlet_test.86
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

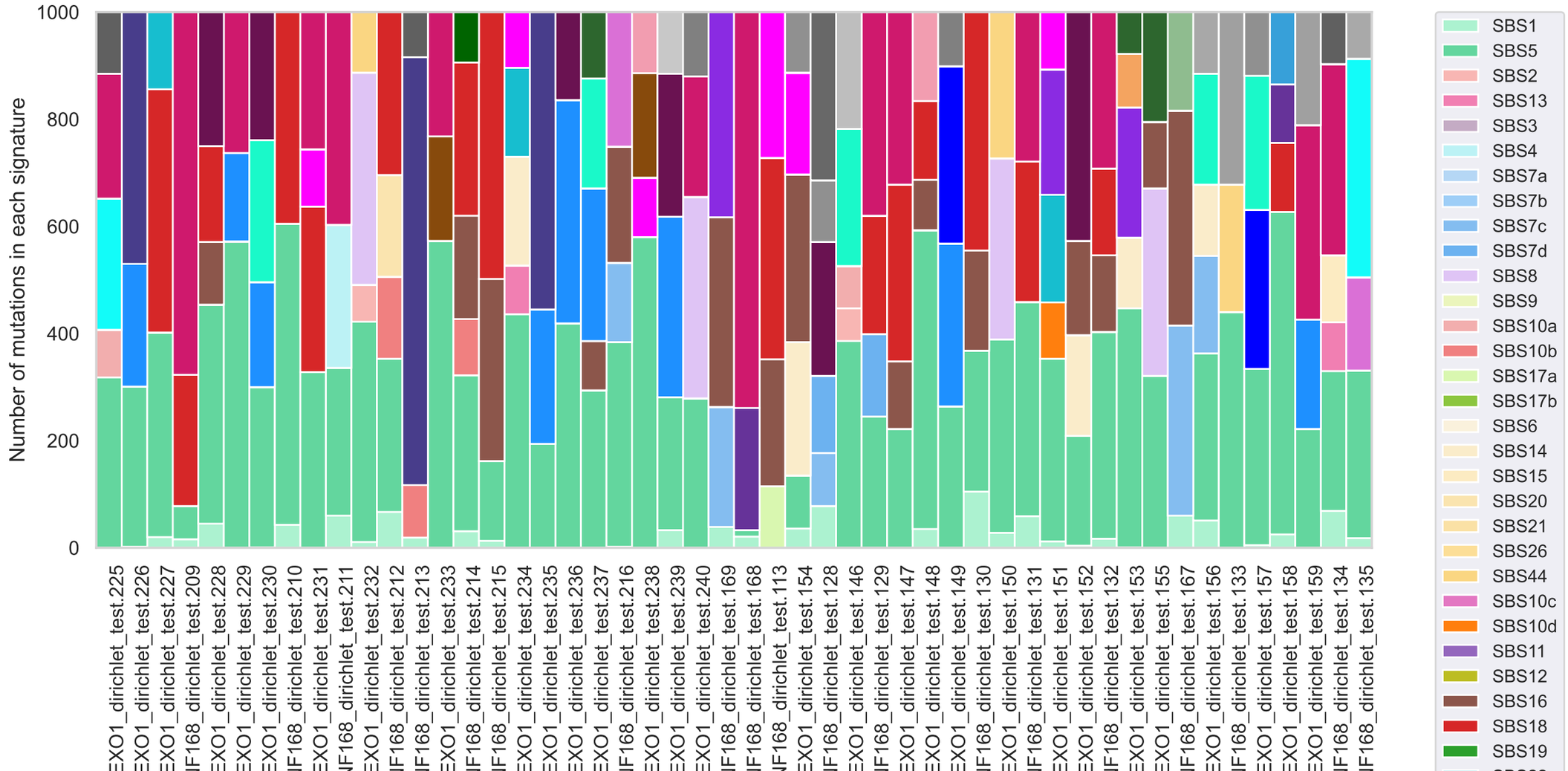

Number of mutations in each signature
1000
800
600
400
200
0
NF168_dirichlet_test.87
EXO1_dirichlet_test.97
EXO1_dirichlet_test.98
NF168_dirichlet_test.88
EXO1_dirichlet_test.99
EXO1_dirichlet_test.100
EXO1_dirichlet_test.101
EXO1_dirichlet_test.102
EXO1_dirichlet_test.103
EXO1_dirichlet_test.104
NF168_dirichlet_test.89
EXO1_dirichlet_test.105
EXO1_dirichlet_test.106
EXO1_dirichlet_test.107
NF168_dirichlet_test.90
NF168_dirichlet_test.91
EXO1_dirichlet_test.108
EXO1_dirichlet_test.109
NF168_dirichlet_test.92
EXO1_dirichlet_test.110
EXO1_dirichlet_test.111
NF168_dirichlet_test.93
NF168_dirichlet_test.94
EXO1_dirichlet_test.112
NF168_dirichlet_test.58
NF168_dirichlet_test.57
NF168_dirichlet_test.111
EXO1_dirichlet_test.15
EXO1_dirichlet_test.10
NF168_dirichlet_test.14
NF168_dirichlet_test.15
NF168_dirichlet_test.16
NF168_dirichlet_test.17
EXO1_dirichlet_test.11
NF168_dirichlet_test.18
NF168_dirichlet_test.19
EXO1_dirichlet_test.12
EXO1_dirichlet_test.13
NF168_dirichlet_test.20
EXO1_dirichlet_test.14
NF168_dirichlet_test.21
NF168_dirichlet_test.22
NF168_dirichlet_test.56
NF168_dirichlet_test.23
EXO1_dirichlet_test.16
EXO1_dirichlet_test.17
EXO1_dirichlet_test.18
EXO1_dirichlet_test.19
EXO1_dirichlet_test.20
EXO1_dirichlet_test.21
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

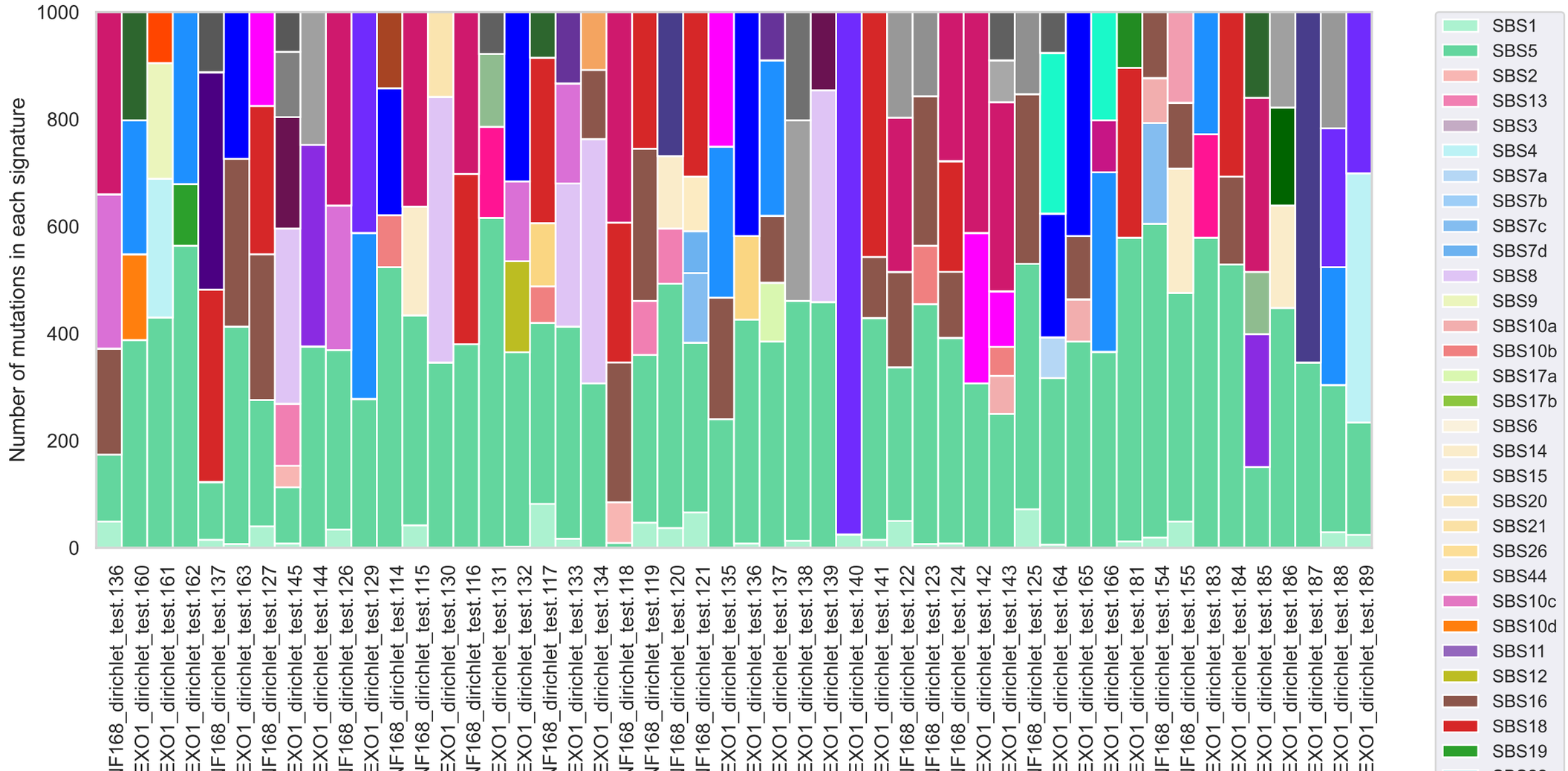

Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.22
EXO1_dirichlet_test.23
NF168_dirichlet_test.24
EXO1_dirichlet_test.24
EXO1_dirichlet_test.25
EXO1_dirichlet_test.26
NF168_dirichlet_test.13
NF168_dirichlet_test.12
NF168_dirichlet_test.11
NF168_dirichlet_test.10
P2B4_dirichlet_test.991
P2B4_dirichlet_test.992
P2B4_dirichlet_test.993
P2B4_dirichlet_test.994
P2B4_dirichlet_test.995
P2B4_dirichlet_test.996
P2B4_dirichlet_test.997
RNF168_dirichlet_test
RNF168_dirichlet_test.1
RNF168_dirichlet_test.2
EXO1_dirichlet_test
EXO1_dirichlet_test.1
EXO1_dirichlet_test.2
RNF168_dirichlet_test.3
RNF168_dirichlet_test.4
EXO1_dirichlet_test.3
RNF168_dirichlet_test.5
RNF168_dirichlet_test.6
EXO1_dirichlet_test.4
EXO1_dirichlet_test.5
EXO1_dirichlet_test.6
RNF168_dirichlet_test.7
EXO1_dirichlet_test.7
EXO1_dirichlet_test.8
RNF168_dirichlet_test.8
RNF168_dirichlet_test.9
EXO1_dirichlet_test.9
NF168_dirichlet_test.25
NF168_dirichlet_test.26
NF168_dirichlet_test.27
EXO1_dirichlet_test.44
NF168_dirichlet_test.41
NF168_dirichlet_test.42
EXO1_dirichlet_test.46
EXO1_dirichlet_test.47
EXO1_dirichlet_test.48
EXO1_dirichlet_test.49
NF168_dirichlet_test.43
EXO1_dirichlet_test.50
EXO1_dirichlet_test.51
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19

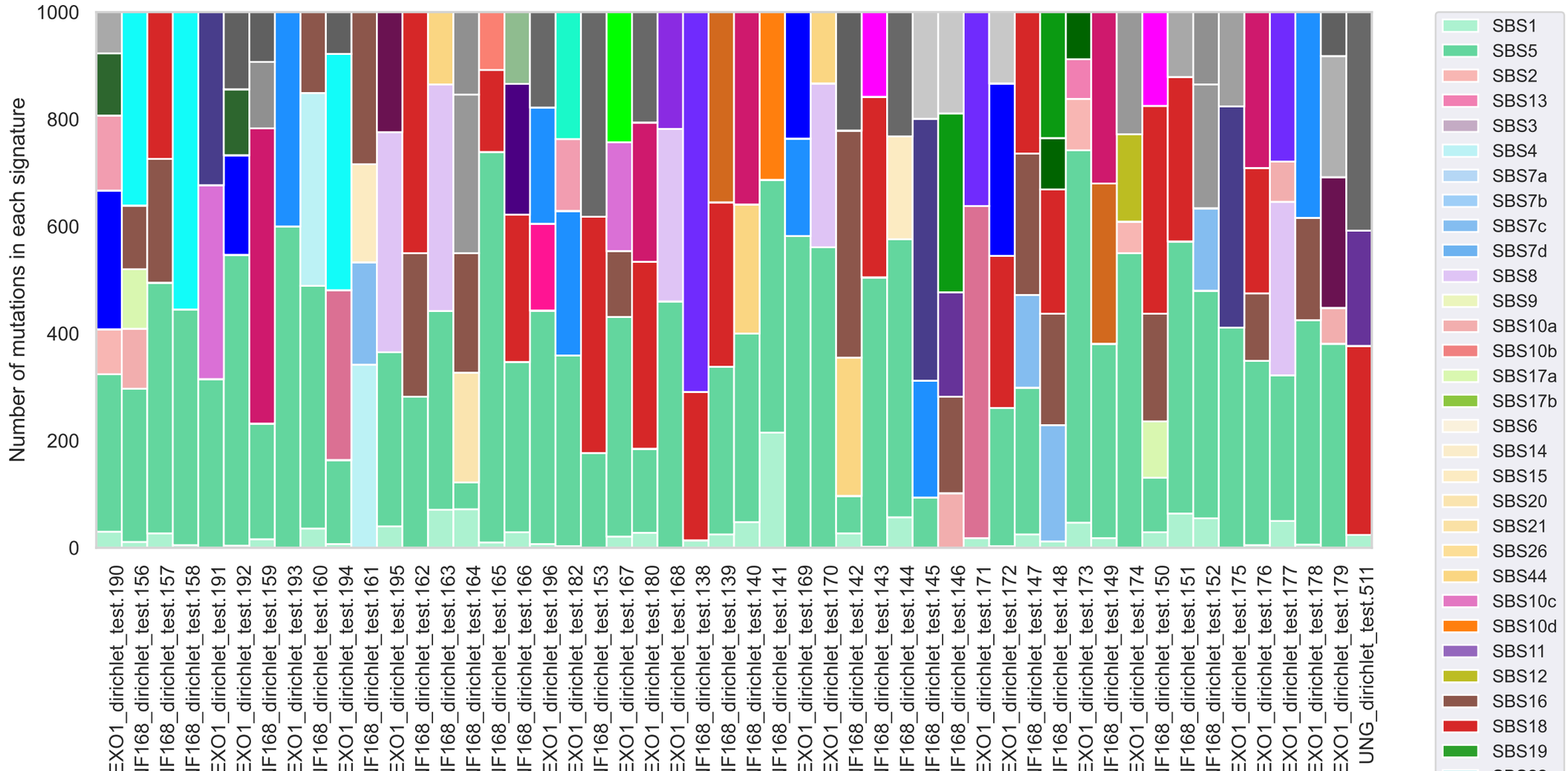

Number of mutations in each signature
1000
800
600
400
200
0
NF168_dirichlet_test.44
NF168_dirichlet_test.45
EXO1_dirichlet_test.52
NF168_dirichlet_test.46
NF168_dirichlet_test.47
NF168_dirichlet_test.48
EXO1_dirichlet_test.53
NF168_dirichlet_test.49
NF168_dirichlet_test.50
NF168_dirichlet_test.51
NF168_dirichlet_test.52
EXO1_dirichlet_test.54
EXO1_dirichlet_test.55
EXO1_dirichlet_test.56
NF168_dirichlet_test.53
EXO1_dirichlet_test.57
NF168_dirichlet_test.54
NF168_dirichlet_test.55
EXO1_dirichlet_test.45
EXO1_dirichlet_test.43
NF168_dirichlet_test.28
NF168_dirichlet_test.40
EXO1_dirichlet_test.27
NF168_dirichlet_test.29
EXO1_dirichlet_test.28
EXO1_dirichlet_test.29
NF168_dirichlet_test.30
EXO1_dirichlet_test.30
NF168_dirichlet_test.31
EXO1_dirichlet_test.31
EXO1_dirichlet_test.32
NF168_dirichlet_test.32
EXO1_dirichlet_test.33
NF168_dirichlet_test.33
NF168_dirichlet_test.34
EXO1_dirichlet_test.34
EXO1_dirichlet_test.35
NF168_dirichlet_test.35
NF168_dirichlet_test.36
EXO1_dirichlet_test.36
NF168_dirichlet_test.37
EXO1_dirichlet_test.37
EXO1_dirichlet_test.38
NF168_dirichlet_test.38
EXO1_dirichlet_test.39
EXO1_dirichlet_test.40
EXO1_dirichlet_test.41
NF168_dirichlet_test.39
EXO1_dirichlet_test.42
EXO1_dirichlet_test.128
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19


Number of mutations in each signature
1000
800
600
400
200
0
IF168_dirichlet_test.112
IF168_dirichlet_test.237
EXO1_dirichlet_test.219
EXO1_dirichlet_test.215
IF168_dirichlet_test.184
IF168_dirichlet_test.185
IF168_dirichlet_test.186
IF168_dirichlet_test.187
EXO1_dirichlet_test.216
EXO1_dirichlet_test.217
IF168_dirichlet_test.188
IF168_dirichlet_test.189
EXO1_dirichlet_test.218
IF168_dirichlet_test.190
IF168_dirichlet_test.191
IF168_dirichlet_test.192
IF168_dirichlet_test.193
EXO1_dirichlet_test.197
IF168_dirichlet_test.194
EXO1_dirichlet_test.220
EXO1_dirichlet_test.221
IF168_dirichlet_test.195
IF168_dirichlet_test.196
IF168_dirichlet_test.197
IF168_dirichlet_test.198
IF168_dirichlet_test.199
IF168_dirichlet_test.200
IF168_dirichlet_test.201
EXO1_dirichlet_test.222
IF168_dirichlet_test.202
IF168_dirichlet_test.203
EXO1_dirichlet_test.214
EXO1_dirichlet_test.213
IF168_dirichlet_test.183
EXO1_dirichlet_test.212
EXO1_dirichlet_test.198
IF168_dirichlet_test.170
IF168_dirichlet_test.171
IF168_dirichlet_test.172
EXO1_dirichlet_test.199
EXO1_dirichlet_test.200
IF168_dirichlet_test.173
EXO1_dirichlet_test.201
IF168_dirichlet_test.174
IF168_dirichlet_test.175
EXO1_dirichlet_test.202
EXO1_dirichlet_test.203
EXO1_dirichlet_test.204
IF168_dirichlet_test.176
IF168_dirichlet_test.177
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19


Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.205
IF168_dirichlet_test.178
IF168_dirichlet_test.179
IF168_dirichlet_test.180
EXO1_dirichlet_test.206
IF168_dirichlet_test.181
EXO1_dirichlet_test.207
EXO1_dirichlet_test.208
IF168_dirichlet_test.182
EXO1_dirichlet_test.209
EXO1_dirichlet_test.210
EXO1_dirichlet_test.211
IF168_dirichlet_test.204
EXO1_dirichlet_test.223
IF168_dirichlet_test.205
IF168_dirichlet_test.218
IF168_dirichlet_test.219
EXO1_dirichlet_test.243
IF168_dirichlet_test.220
EXO1_dirichlet_test.244
IF168_dirichlet_test.221
EXO1_dirichlet_test.245
IF168_dirichlet_test.222
IF168_dirichlet_test.223
EXO1_dirichlet_test.246
EXO1_dirichlet_test.247
IF168_dirichlet_test.224
IF168_dirichlet_test.225
EXO1_dirichlet_test.248
IF168_dirichlet_test.226
IF168_dirichlet_test.227
EXO1_dirichlet_test.249
IF168_dirichlet_test.228
IF168_dirichlet_test.229
IF168_dirichlet_test.230
IF168_dirichlet_test.231
IF168_dirichlet_test.232
IF168_dirichlet_test.233
IF168_dirichlet_test.234
IF168_dirichlet_test.235
EXO1_dirichlet_test.250
EXO1_dirichlet_test.251
IF168_dirichlet_test.236
EXO1_dirichlet_test.242
IF168_dirichlet_test.217
IF168_dirichlet_test.206
EXO1_dirichlet_test.241
IF168_dirichlet_test.207
EXO1_dirichlet_test.224
IF168_dirichlet_test.208
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19


Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.225
EXO1_dirichlet_test.226
EXO1_dirichlet_test.227
IF168_dirichlet_test.209
EXO1_dirichlet_test.228
EXO1_dirichlet_test.229
EXO1_dirichlet_test.230
IF168_dirichlet_test.210
EXO1_dirichlet_test.231
IF168_dirichlet_test.211
EXO1_dirichlet_test.232
IF168_dirichlet_test.212
IF168_dirichlet_test.213
EXO1_dirichlet_test.233
IF168_dirichlet_test.214
IF168_dirichlet_test.215
EXO1_dirichlet_test.234
EXO1_dirichlet_test.235
EXO1_dirichlet_test.236
EXO1_dirichlet_test.237
IF168_dirichlet_test.216
EXO1_dirichlet_test.238
EXO1_dirichlet_test.239
EXO1_dirichlet_test.240
IF168_dirichlet_test.169
IF168_dirichlet_test.168
IF168_dirichlet_test.113
EXO1_dirichlet_test.154
IF168_dirichlet_test.128
EXO1_dirichlet_test.146
IF168_dirichlet_test.129
EXO1_dirichlet_test.147
EXO1_dirichlet_test.148
EXO1_dirichlet_test.149
IF168_dirichlet_test.130
EXO1_dirichlet_test.150
IF168_dirichlet_test.131
EXO1_dirichlet_test.151
EXO1_dirichlet_test.152
IF168_dirichlet_test.132
EXO1_dirichlet_test.153
EXO1_dirichlet_test.155
IF168_dirichlet_test.167
EXO1_dirichlet_test.156
IF168_dirichlet_test.133
EXO1_dirichlet_test.157
EXO1_dirichlet_test.158
EXO1_dirichlet_test.159
IF168_dirichlet_test.134
IF168_dirichlet_test.135
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19


Number of mutations in each signature
1000
800
600
400
200
0
IF168_dirichlet_test.136
EXO1_dirichlet_test.160
EXO1_dirichlet_test.161
EXO1_dirichlet_test.162
IF168_dirichlet_test.137
EXO1_dirichlet_test.163
IF168_dirichlet_test.127
EXO1_dirichlet_test.145
EXO1_dirichlet_test.144
IF168_dirichlet_test.126
EXO1_dirichlet_test.129
IF168_dirichlet_test.114
IF168_dirichlet_test.115
EXO1_dirichlet_test.130
IF168_dirichlet_test.116
EXO1_dirichlet_test.131
EXO1_dirichlet_test.132
IF168_dirichlet_test.117
EXO1_dirichlet_test.133
EXO1_dirichlet_test.134
IF168_dirichlet_test.118
IF168_dirichlet_test.119
IF168_dirichlet_test.120
IF168_dirichlet_test.121
EXO1_dirichlet_test.135
EXO1_dirichlet_test.136
EXO1_dirichlet_test.137
EXO1_dirichlet_test.138
EXO1_dirichlet_test.139
EXO1_dirichlet_test.140
EXO1_dirichlet_test.141
IF168_dirichlet_test.122
IF168_dirichlet_test.123
IF168_dirichlet_test.124
EXO1_dirichlet_test.142
EXO1_dirichlet_test.143
IF168_dirichlet_test.125
EXO1_dirichlet_test.164
EXO1_dirichlet_test.165
EXO1_dirichlet_test.166
EXO1_dirichlet_test.181
IF168_dirichlet_test.154
IF168_dirichlet_test.155
EXO1_dirichlet_test.183
EXO1_dirichlet_test.184
EXO1_dirichlet_test.185
EXO1_dirichlet_test.186
EXO1_dirichlet_test.187
EXO1_dirichlet_test.188
EXO1_dirichlet_test.189
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19


Number of mutations in each signature
1000
800
600
400
200
0
EXO1_dirichlet_test.190
IF168_dirichlet_test.156
IF168_dirichlet_test.157
IF168_dirichlet_test.158
EXO1_dirichlet_test.191
EXO1_dirichlet_test.192
IF168_dirichlet_test.159
EXO1_dirichlet_test.193
IF168_dirichlet_test.160
EXO1_dirichlet_test.194
IF168_dirichlet_test.161
EXO1_dirichlet_test.195
IF168_dirichlet_test.162
IF168_dirichlet_test.163
IF168_dirichlet_test.164
IF168_dirichlet_test.165
IF168_dirichlet_test.166
EXO1_dirichlet_test.196
EXO1_dirichlet_test.182
IF168_dirichlet_test.153
EXO1_dirichlet_test.167
EXO1_dirichlet_test.180
EXO1_dirichlet_test.168
IF168_dirichlet_test.138
IF168_dirichlet_test.139
IF168_dirichlet_test.140
IF168_dirichlet_test.141
EXO1_dirichlet_test.169
EXO1_dirichlet_test.170
IF168_dirichlet_test.142
IF168_dirichlet_test.143
IF168_dirichlet_test.144
IF168_dirichlet_test.145
IF168_dirichlet_test.146
EXO1_dirichlet_test.171
EXO1_dirichlet_test.172
IF168_dirichlet_test.147
IF168_dirichlet_test.148
EXO1_dirichlet_test.173
IF168_dirichlet_test.149
EXO1_dirichlet_test.174
IF168_dirichlet_test.150
IF168_dirichlet_test.151
IF168_dirichlet_test.152
EXO1_dirichlet_test.175
EXO1_dirichlet_test.176
EXO1_dirichlet_test.177
EXO1_dirichlet_test.178
EXO1_dirichlet_test.179
UNG_dirichlet_test.511
SBS1
SBS5
SBS2
SBS13
SBS3
SBS4
SBS7a
SBS7b
SBS7c
SBS7d
SBS8
SBS9
SBS10a
SBS10b
SBS17a
SBS17b
SBS6
SBS14
SBS15
SBS20
SBS21
SBS26
SBS44
SBS10c
SBS10d
SBS11
SBS12
SBS16
SBS18
SBS19