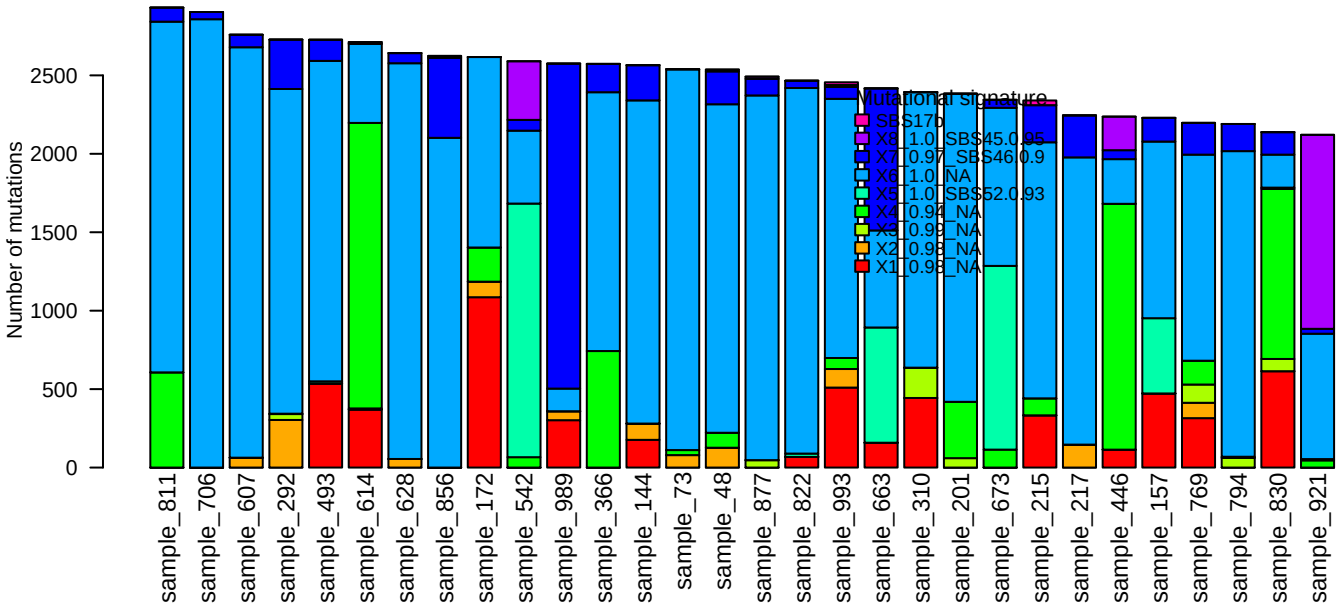
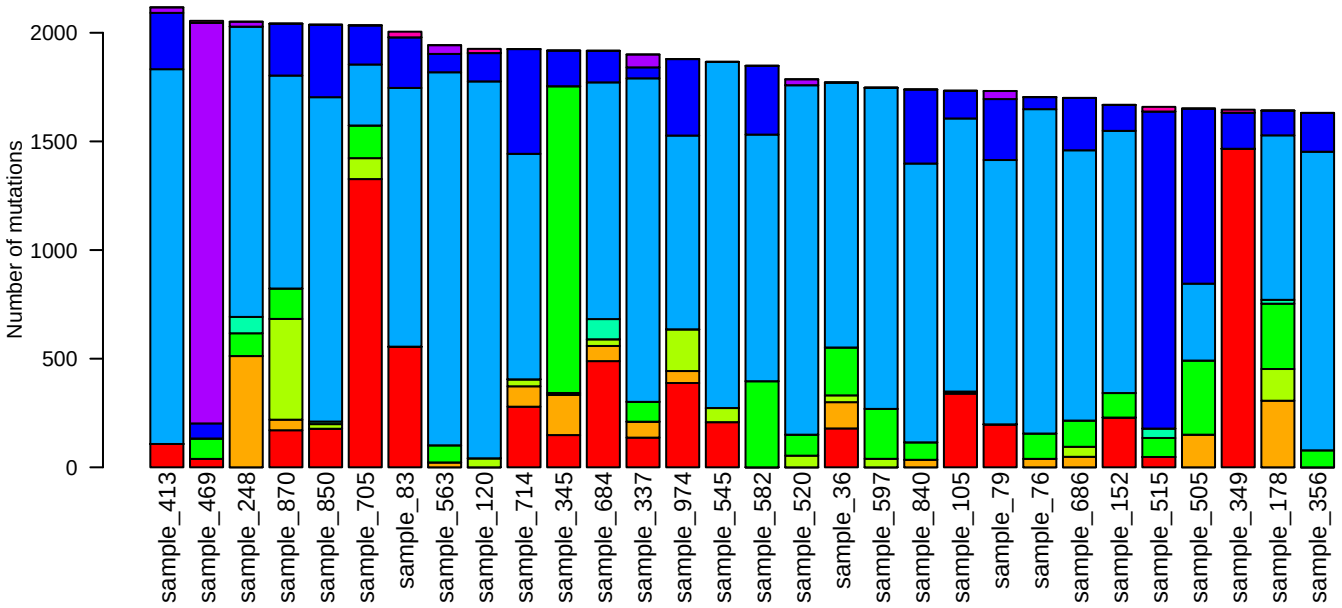

Number of mutations
0
500
1000
1500
2000
2500
Mutational signature
SBS17b
X8_1.0_SBS45.0.95
X7_0.97_SBS46.0.9
X6_1.0_NA
X5_1.0_SBS52.0.93
X4_0.94_NA
X3_0.99_NA
X2_0.98_NA
X1_0.98_NA
sample_811
sample_706
sample_607
sample_292
sample_493
sample_614
sample_628
sample_856
sample_172
sample_542
sample_989
sample_366
sample_144
sample_73
sample_48
sample_877
sample_822
sample_993
sample_663
sample_310
sample_201
sample_673
sample_215
sample_217
sample_446
sample_157
sample_769
sample_794
sample_830
sample_921


Number of mutations
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sample_469
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sample_870
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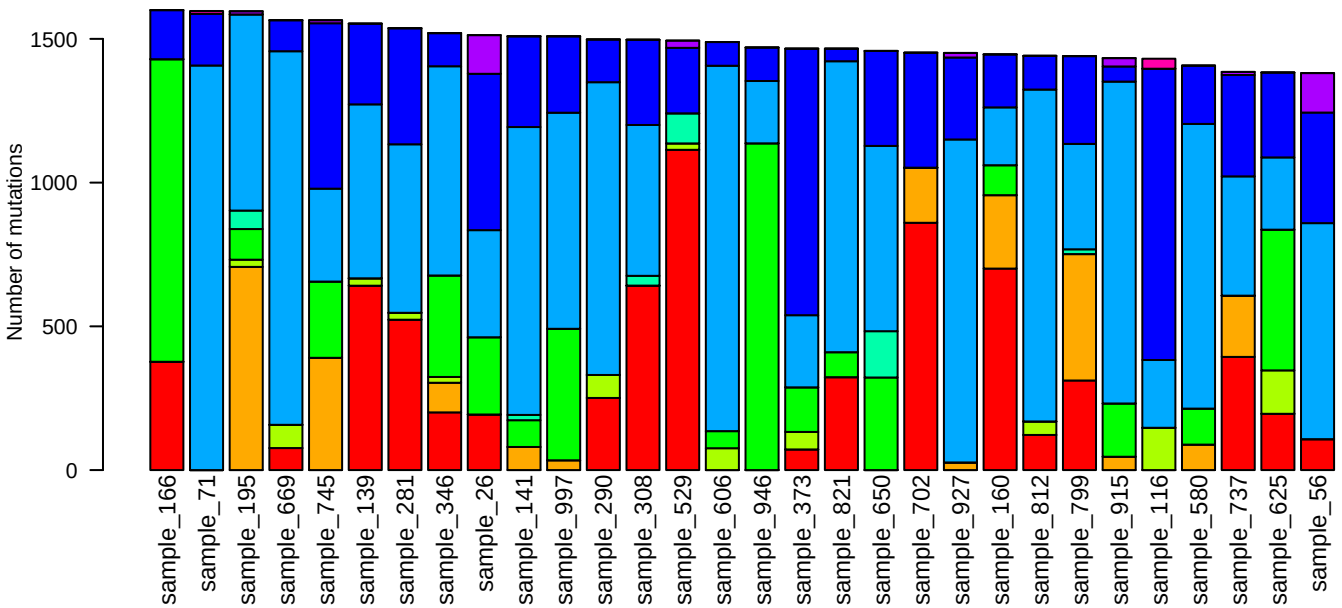
sample_705
sample_83
sample_563
sample_120
sample_714
sample_345
sample_684
sample_337
sample_974
sample_545
sample_582
sample_520
sample_36
sample_597
sample_840
sample_105
sample_79
sample_76
sample_686
sample_152
sample_515
sample_505
sample_349
sample_178
sample_356


Number of mutations
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sample_71
sample_195
sample_669
sample_745
sample_139
sample_281
sample_346
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sample_141
sample_997
sample_290
sample_308
sample_529
sample_606
sample_946
sample_373
sample_821
sample_650
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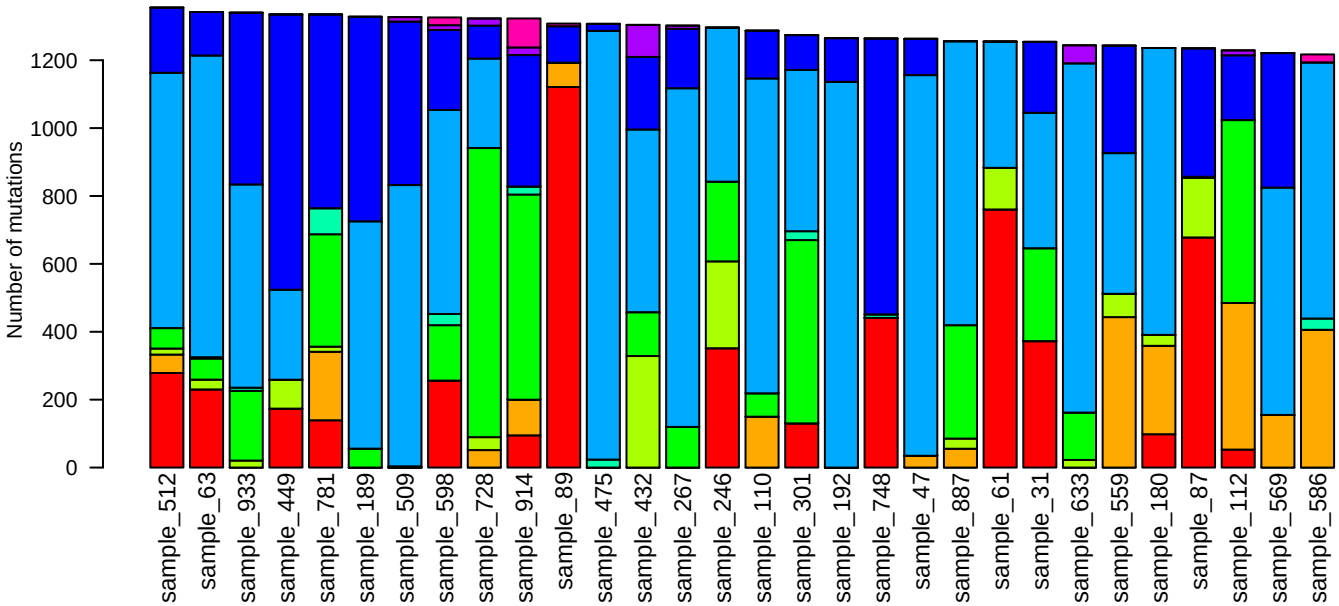
sample_160
sample_812
sample_799
sample_915
sample_116
sample_580
sample_737
sample_625
sample_56


Number of mutations
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200
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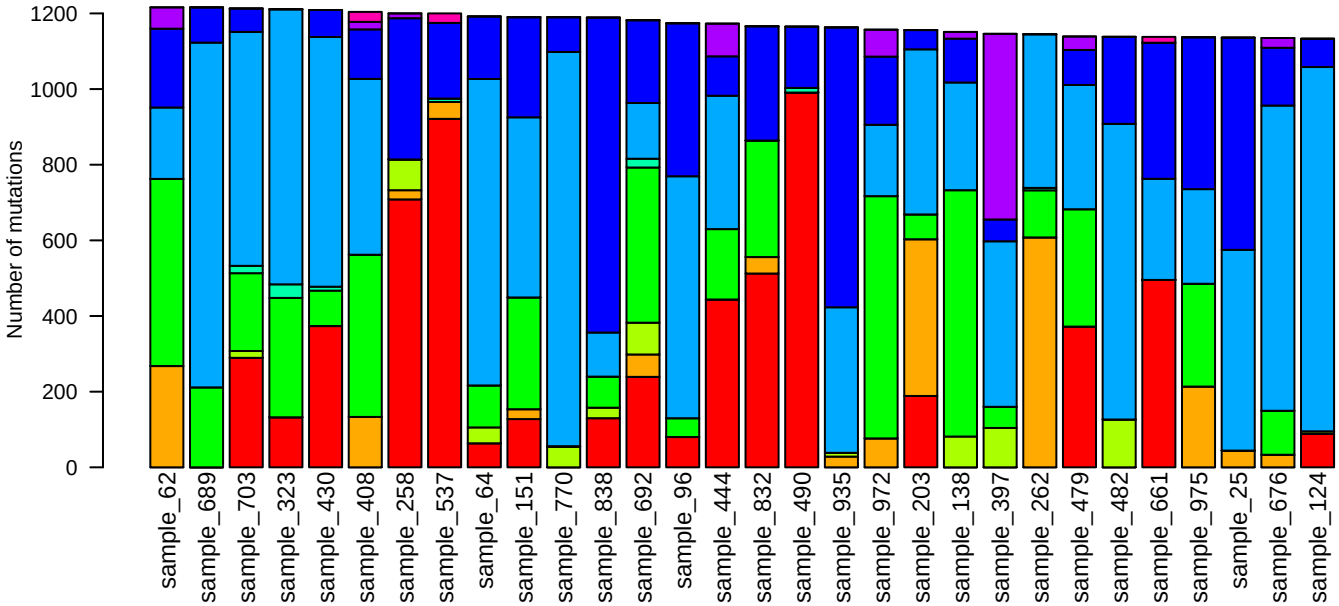
800
1000
1200
sample_512
sample_63
sample_933
sample_449
sample_781
sample_189
sample_509
sample_598
sample_728
sample_914
sample_89
sample_475
sample_432
sample_267
sample_246
sample_110
sample_301
sample_192
sample_748
sample_47
sample_887
sample_61
sample_31
sample_633
sample_559
sample_180
sample_87
sample_112
sample_569
sample_586


Number of mutations
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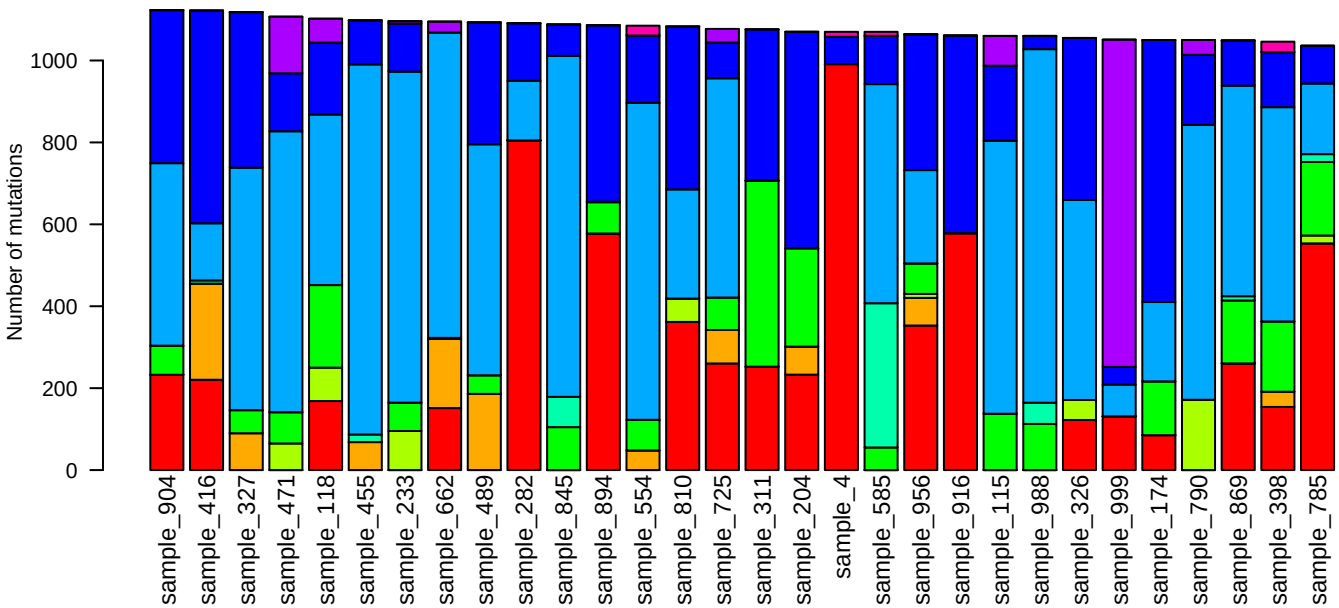
800
1000
1200
sample_62
sample_689
sample_703
sample_323
sample_430
sample_408
sample_258
sample_537
sample_64
sample_151
sample_770
sample_838
sample_692
sample_96
sample_444
sample_832
sample_490
sample_935
sample_972
sample_203
sample_138
sample_397
sample_262
sample_479
sample_482
sample_661
sample_975
sample_25
sample_676
sample_124


Number of mutations
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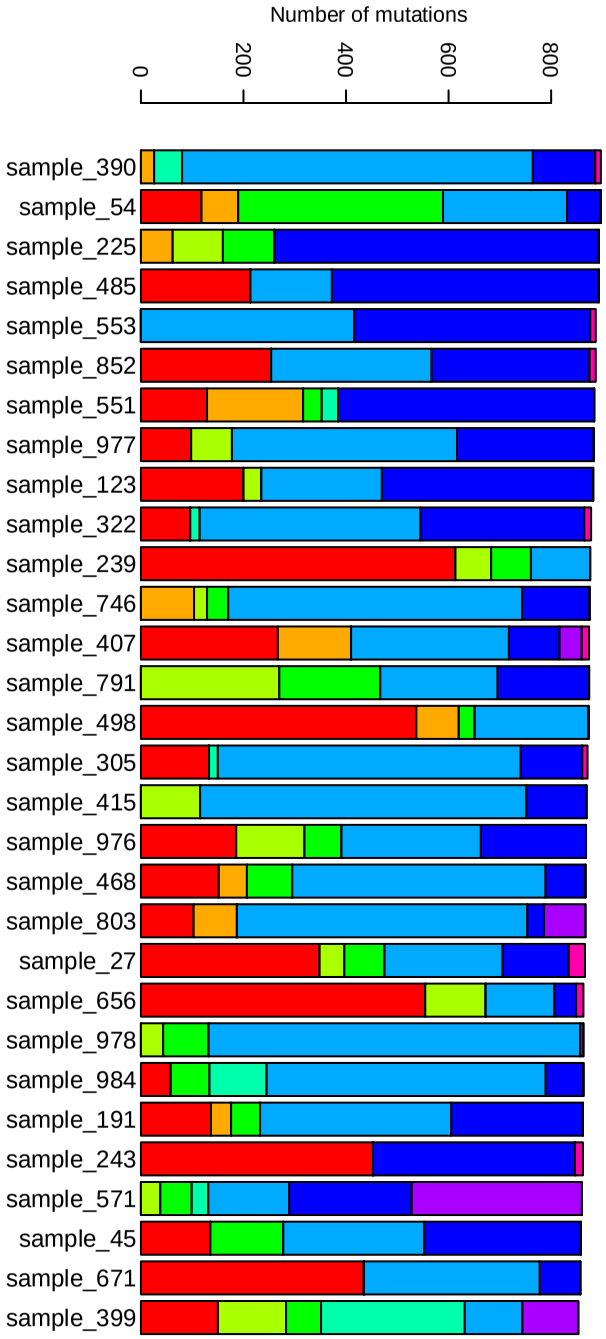
600
800
1000
sample_904
sample_416
sample_327
sample_471
sample_118
sample_455
sample_233
sample_662
sample_489
sample_282
sample_845
sample_894
sample_554
sample_810
sample_725
sample_311
sample_204
sample_4
sample_585
sample_956
sample_916
sample_115
sample_988
sample_326
sample_999
sample_174
sample_790
sample_869
sample_398
sample_785


Number of mutations
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200
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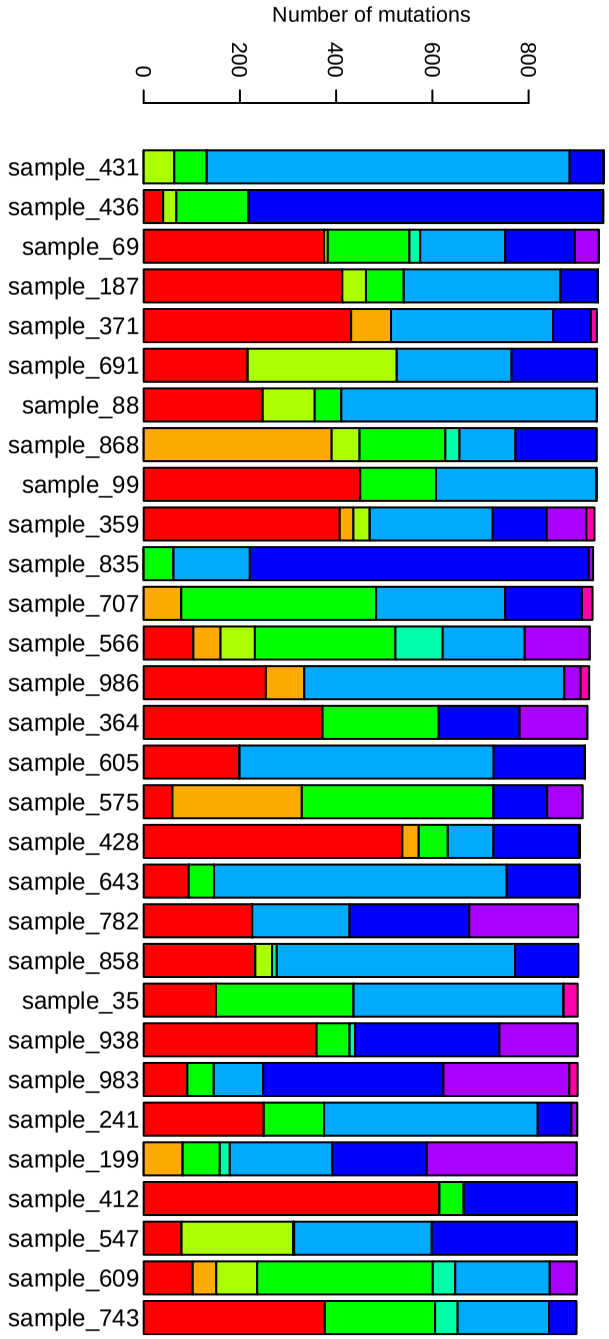
600
800
sample_390
sample_54
sample_225
sample_485
sample_553
sample_852
sample_551
sample_977
sample_123
sample_322
sample_239
sample_746
sample_407
sample_791
sample_498
sample_305
sample_415
sample_976
sample_468
sample_803
sample_27
sample_656
sample_978
sample_984
sample_191
sample_243
sample_571
sample_45
sample_671
sample_399


Number of mutations
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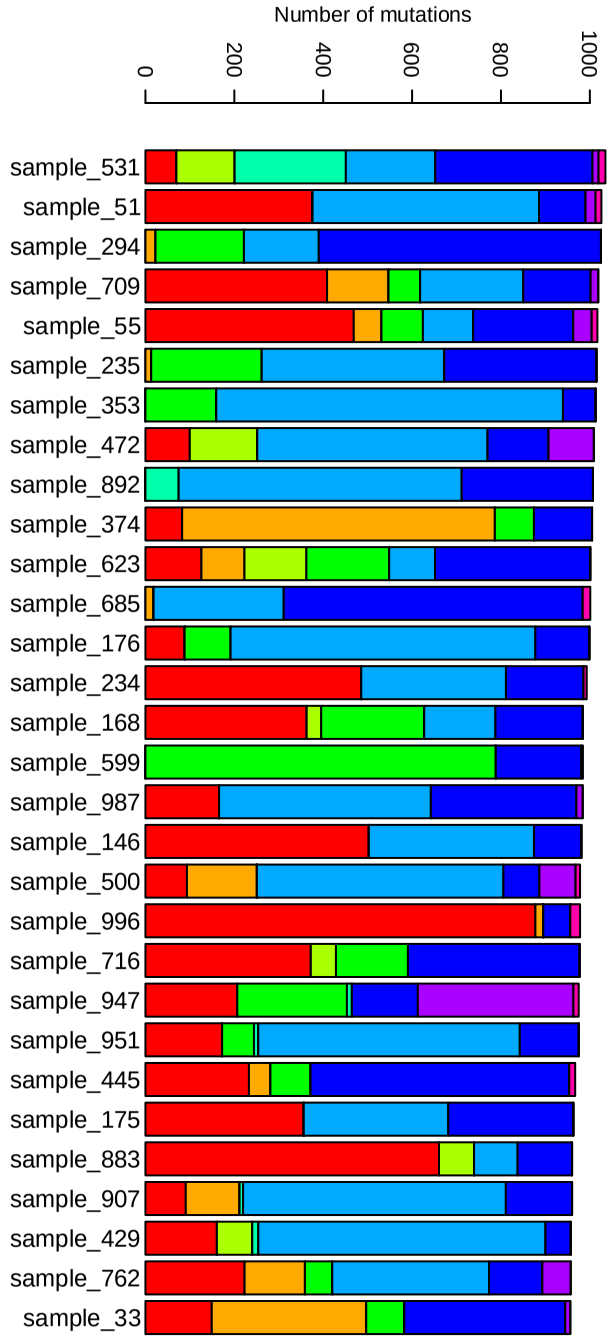
800
sample_431
sample_436
sample_69
sample_187
sample_371
sample_691
sample_88
sample_868
sample_99
sample_359
sample_835
sample_707
sample_566
sample_986
sample_364
sample_605
sample_575
sample_428
sample_643
sample_782
sample_858
sample_35
sample_938
sample_983
sample_241
sample_199
sample_412
sample_547
sample_609
sample_743


Number of mutations
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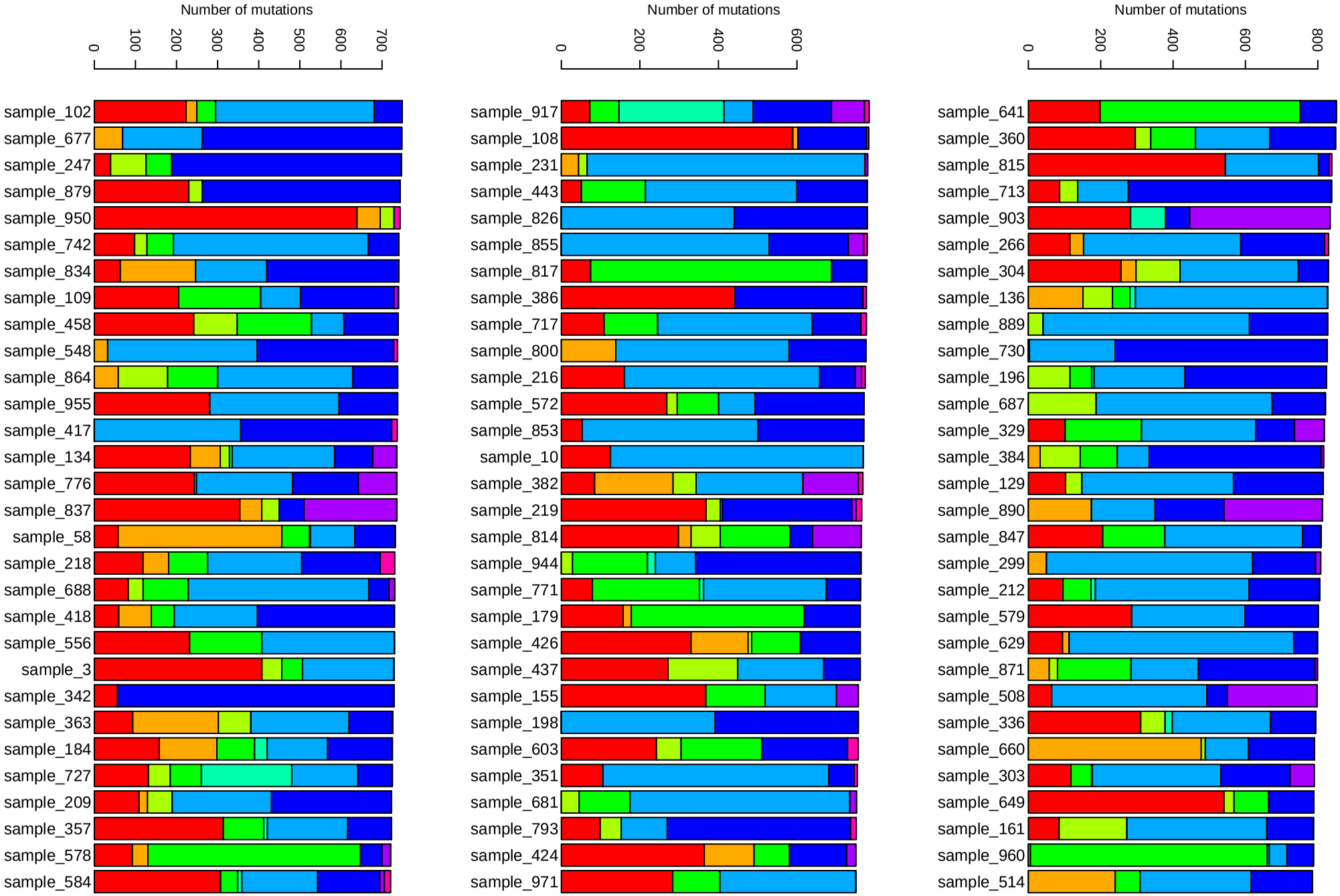
400
600
800
1000
sample_531
sample_51
sample_294
sample_709
sample_55
sample_235
sample_353
sample_472
sample_892
sample_374
sample_623
sample_685
sample_176
sample_234
sample_168
sample_599
sample_987
sample_146
sample_500
sample_996
sample_716
sample_947
sample_951
sample_445
sample_175
sample_883
sample_907
sample_429
sample_762
sample_33


Number of mutations
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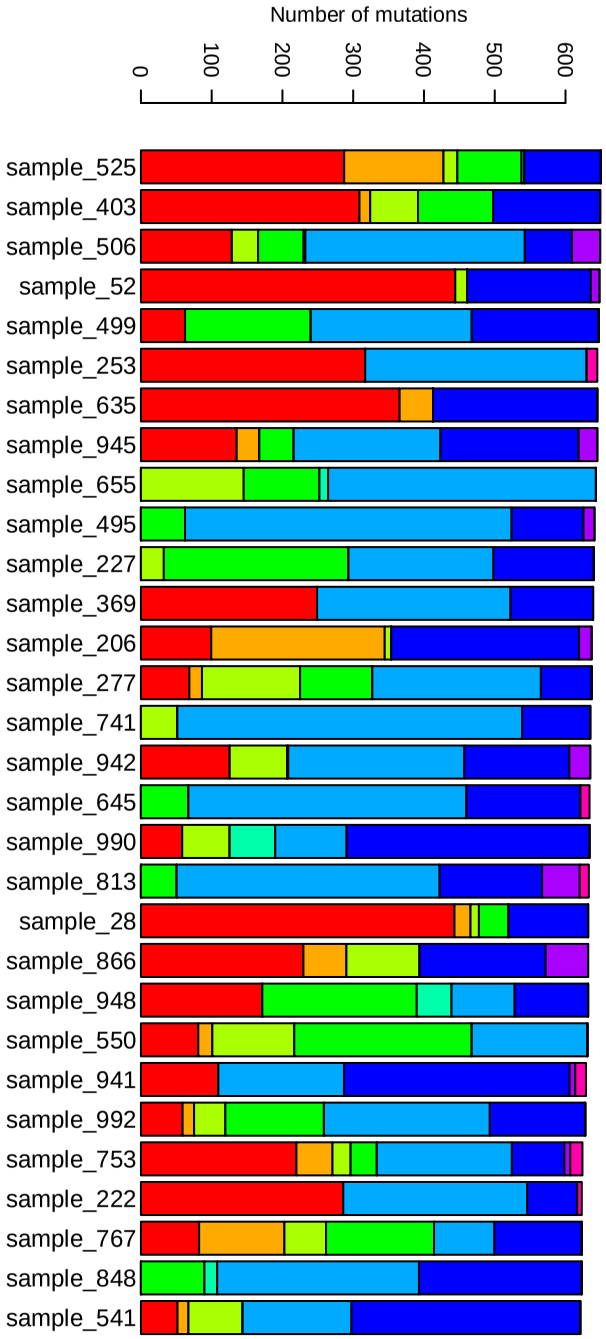
400
500
600
700
sample_102
sample_677
sample_247
sample_879
sample_950
sample_742
sample_834
sample_109
sample_458
sample_548
sample_864
sample_955
sample_417
sample_134
sample_776
sample_837
sample_58
sample_218
sample_688
sample_418
sample_556
sample_3
sample_342
sample_363
sample_184
sample_727
sample_209
sample_357
sample_578
sample_584
Number of mutations
0
200
400
600
sample_917
sample_108
sample_231
sample_443
sample_826
sample_855
sample_817
sample_386
sample_717
sample_800
sample_216
sample_572
sample_853
sample_10
sample_382
sample_219
sample_814
sample_944
sample_771
sample_179
sample_426
sample_437
sample_155
sample_198
sample_603
sample_351
sample_681
sample_793
sample_424
sample_971
Number of mutations
0
200
400
600
800
sample_641
sample_360
sample_815
sample_713
sample_903
sample_266
sample_304
sample_136
sample_889
sample_730
sample_196
sample_687
sample_329
sample_384
sample_129
sample_890
sample_847
sample_299
sample_212
sample_579
sample_629
sample_871
sample_508
sample_336
sample_660
sample_303
sample_649
sample_161
sample_960
sample_514


Number of mutations
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100
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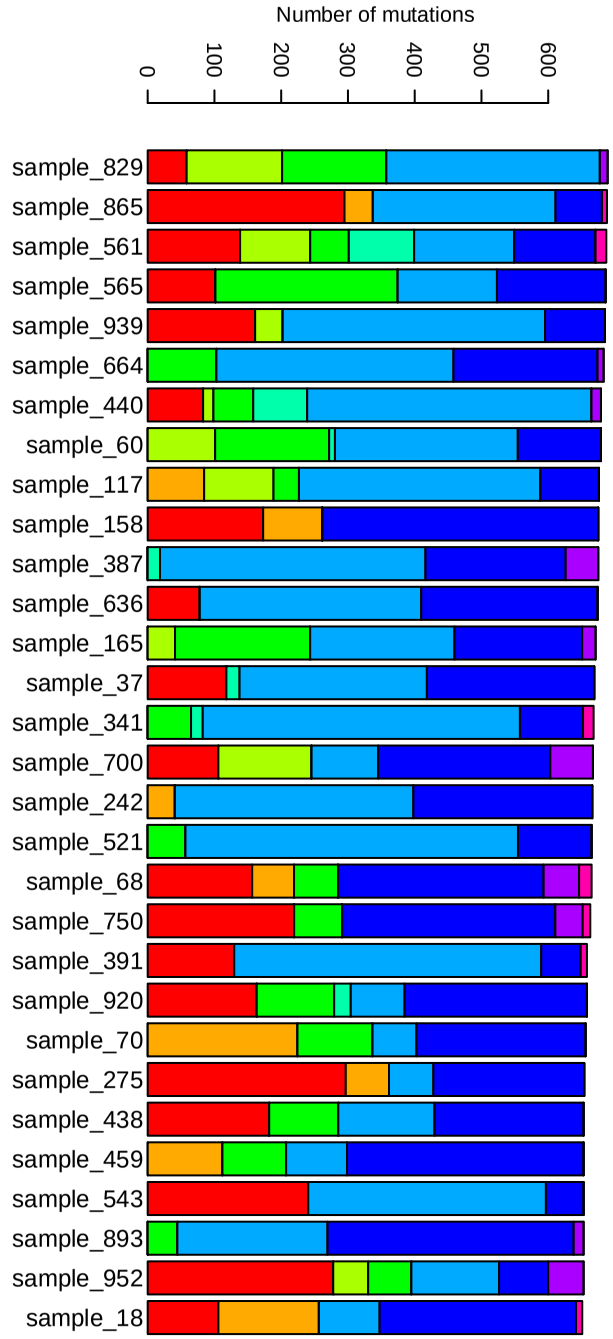
300
400
500
600
sample_525
sample_403
sample_506
sample_52
sample_499
sample_253
sample_635
sample_945
sample_655
sample_495
sample_227
sample_369
sample_206
sample_277
sample_741
sample_942
sample_645
sample_990
sample_813
sample_28
sample_866
sample_948
sample_550
sample_941
sample_992
sample_753
sample_222
sample_767
sample_848
sample_541


Number of mutations
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100
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400
500
600
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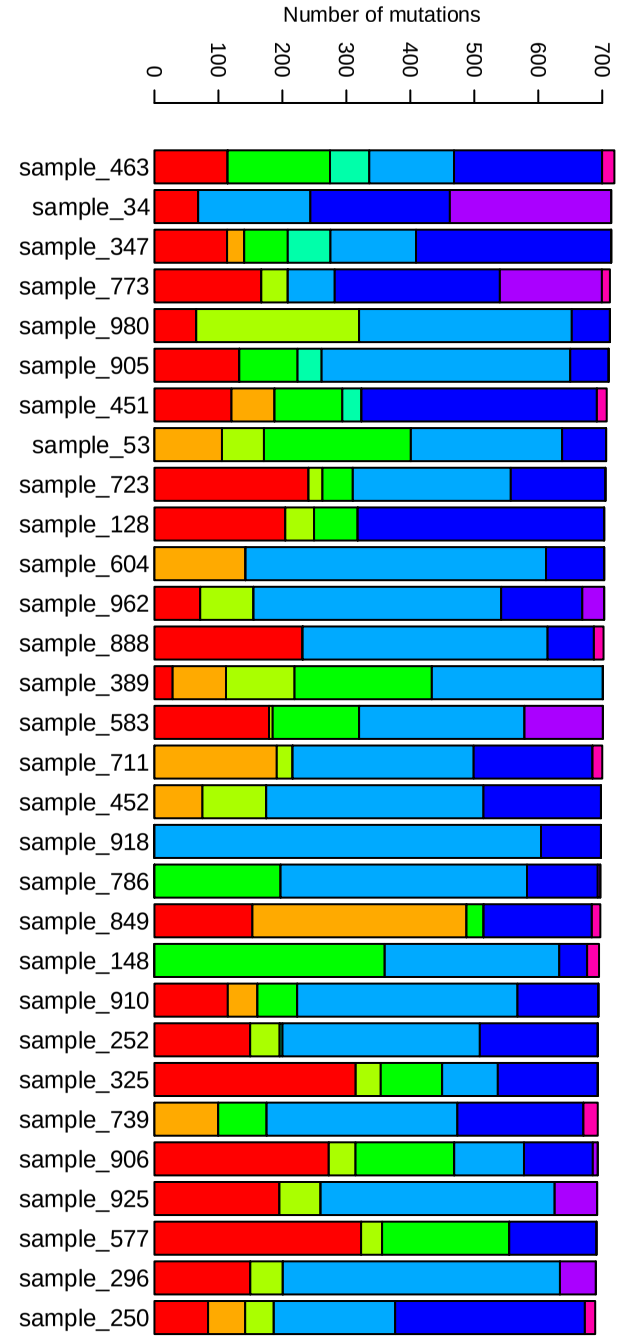
sample_865
sample_561
sample_565
sample_939
sample_664
sample_440
sample_60
sample_117
sample_158
sample_387
sample_636
sample_165
sample_37
sample_341
sample_700
sample_242
sample_521
sample_68
sample_750
sample_391
sample_920
sample_70
sample_275
sample_438
sample_459
sample_543
sample_893
sample_952
sample_18


Number of mutations
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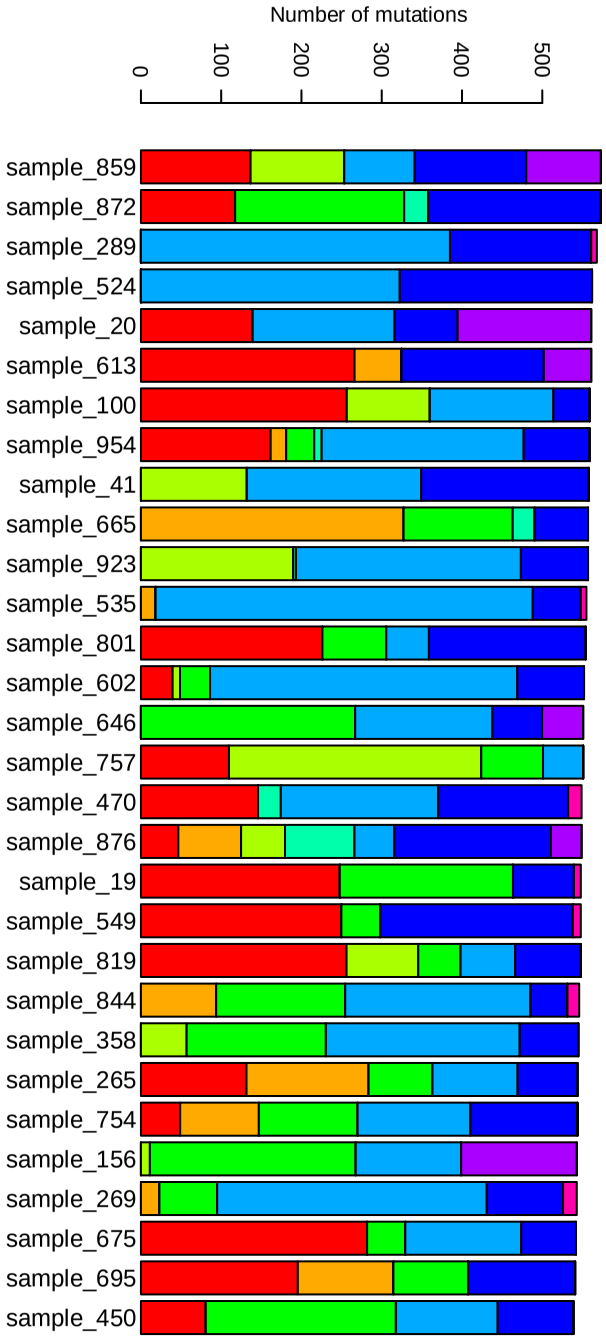
100
200
300
400
500
600
700
sample_463
sample_34
sample_347
sample_773
sample_980
sample_905
sample_451
sample_53
sample_723
sample_128
sample_604
sample_962
sample_888
sample_389
sample_583
sample_711
sample_452
sample_918
sample_786
sample_849
sample_148
sample_910
sample_252
sample_325
sample_739
sample_906
sample_925
sample_577
sample_296
sample_250


Number of mutations
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500
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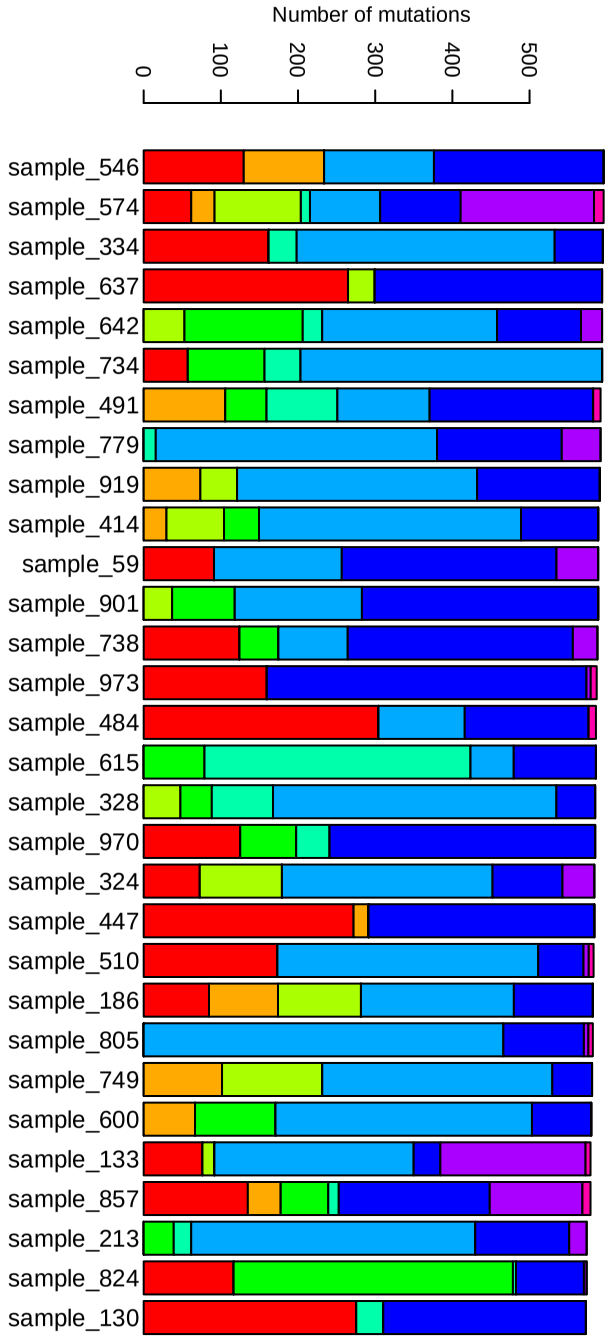
sample_872
sample_289
sample_524
sample_20
sample_613
sample_100
sample_954
sample_41
sample_665
sample_923
sample_535
sample_801
sample_602
sample_646
sample_757
sample_470
sample_876
sample_19
sample_549
sample_819
sample_844
sample_358
sample_265
sample_754
sample_156
sample_269
sample_675
sample_695
sample_450


Number of mutations
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400
500
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sample_637
sample_642
sample_734
sample_491
sample_779
sample_919
sample_414
sample_59
sample_901
sample_738
sample_973
sample_484
sample_615
sample_328
sample_970
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sample_186
sample_805
sample_749
sample_600
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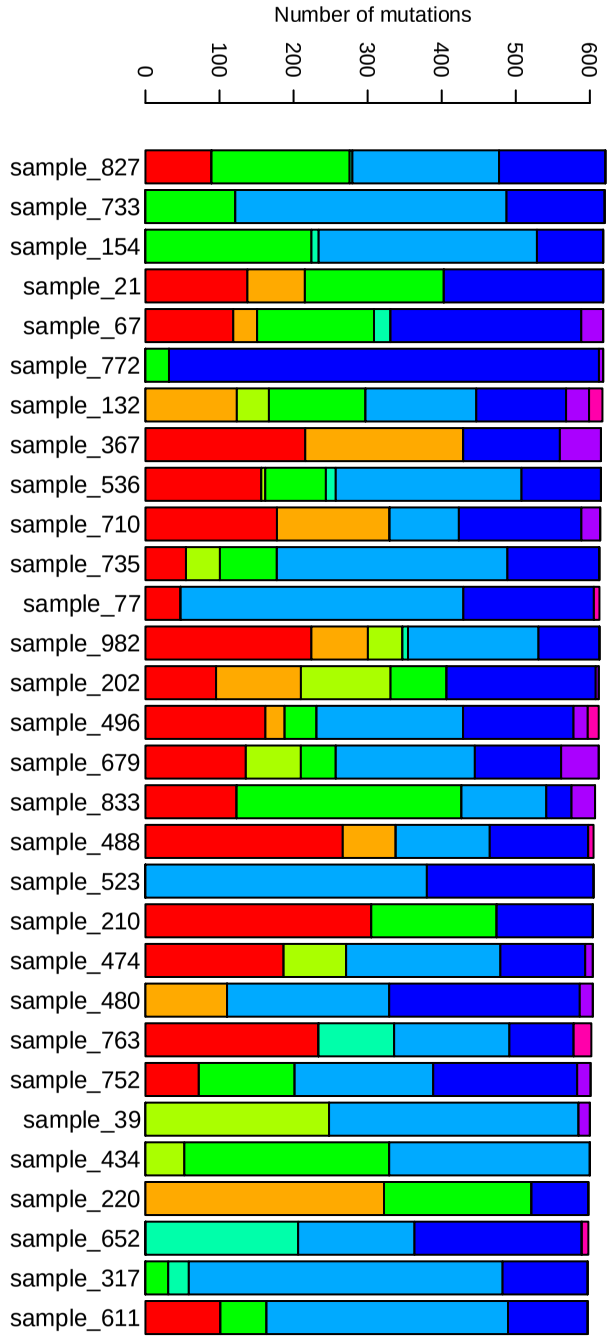
sample_857
sample_213
sample_824
sample_130


Number of mutations
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400
500
600
sample_827
sample_733
sample_154
sample_21
sample_67
sample_772
sample_132
sample_367
sample_536
sample_710
sample_735
sample_77
sample_982
sample_202
sample_496
sample_679
sample_833
sample_488
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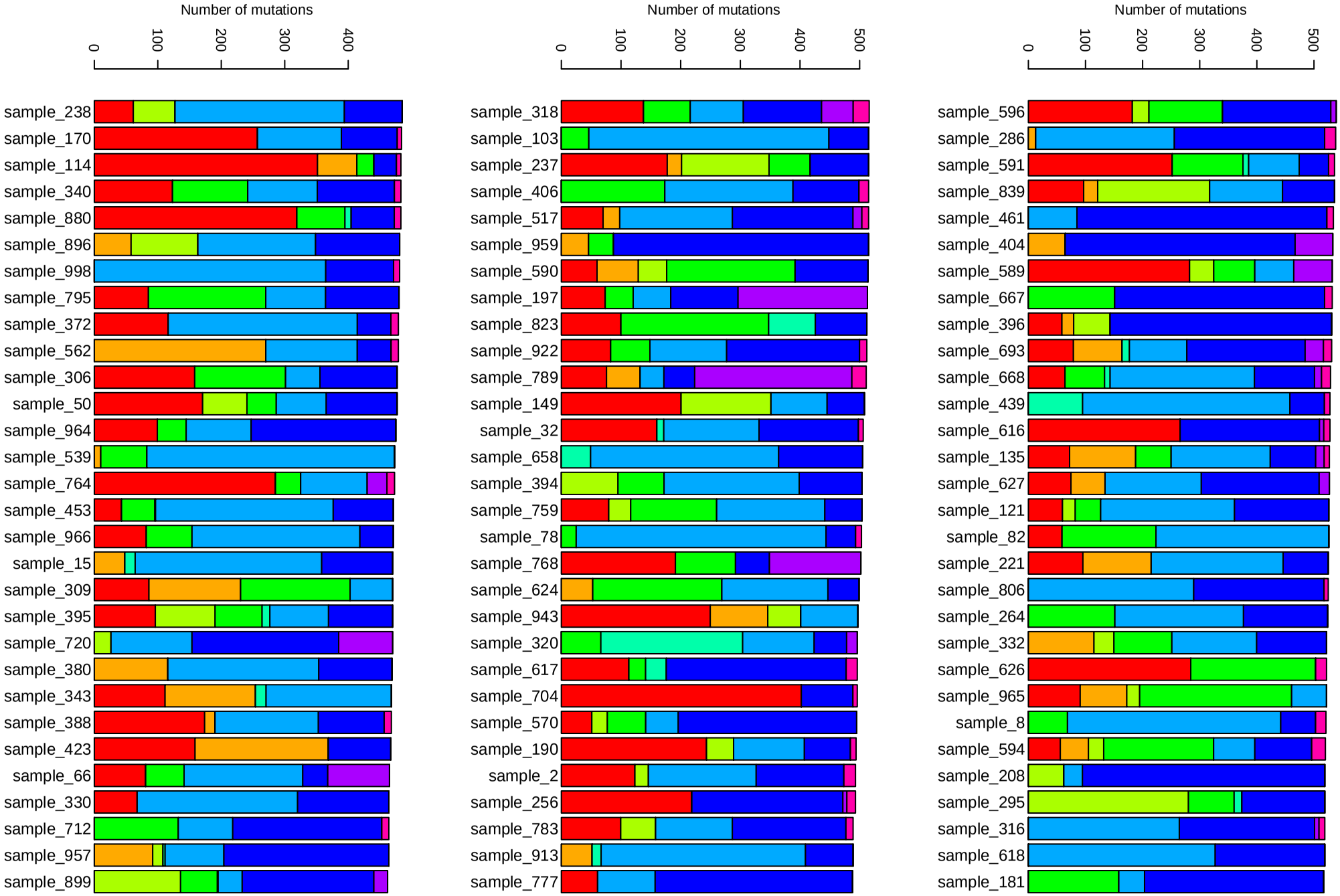
sample_611


Number of mutations
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400
500
sample_238
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sample_340
sample_880
sample_896
sample_998
sample_795
sample_372
sample_562
sample_306
sample_50
sample_964
sample_539
sample_764
sample_453
sample_966
sample_15
sample_309
sample_395
sample_720
sample_380
sample_343
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sample_423
sample_66
sample_330
sample_712
sample_957
sample_899
sample_318
sample_103
sample_237
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sample_590
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sample_394
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sample_777
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sample_839
sample_461
sample_404
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sample_668
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sample_221
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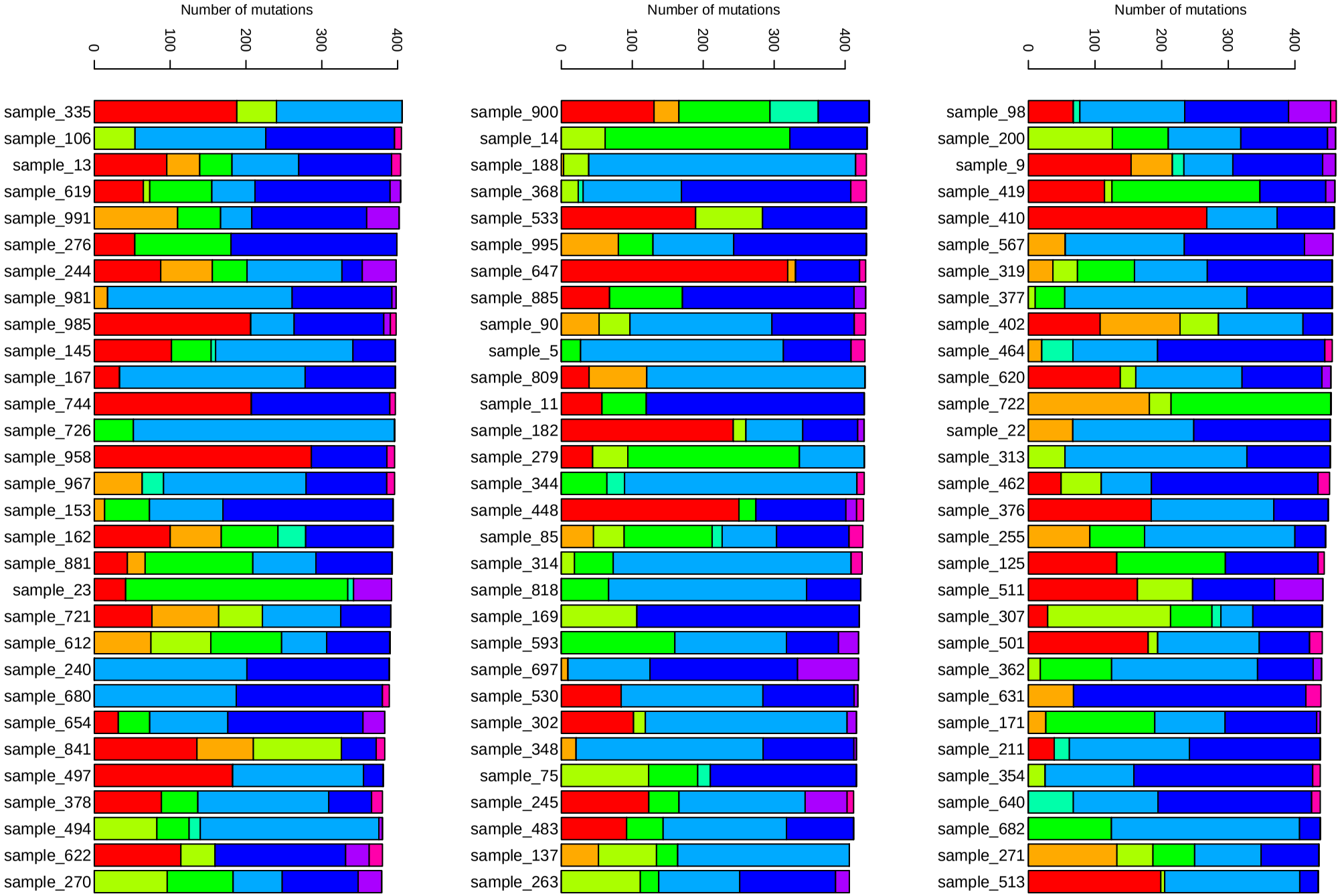
sample_618
sample_181


Number of mutations
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300
400
sample_335
sample_106
sample_13
sample_619
sample_991
sample_276
sample_244
sample_981
sample_985
sample_145
sample_167
sample_744
sample_726
sample_958
sample_967
sample_153
sample_162
sample_881
sample_23
sample_721
sample_612
sample_240
sample_680
sample_654
sample_841
sample_497
sample_378
sample_494
sample_622
sample_270
Number of mutations
0
100
200
300
400
sample_900
sample_14
sample_188
sample_368
sample_533
sample_995
sample_647
sample_885
sample_90
sample_5
sample_809
sample_11
sample_182
sample_279
sample_344
sample_448
sample_85
sample_314
sample_818
sample_169
sample_593
sample_697
sample_530
sample_302
sample_348
sample_75
sample_245
sample_483
sample_137
sample_263
Number of mutations
0
100
200
300
400
sample_98
sample_200
sample_9
sample_419
sample_410
sample_567
sample_319
sample_377
sample_402
sample_464
sample_620
sample_722
sample_22
sample_313
sample_462
sample_376
sample_255
sample_125
sample_511
sample_307
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sample_631
sample_171
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sample_354
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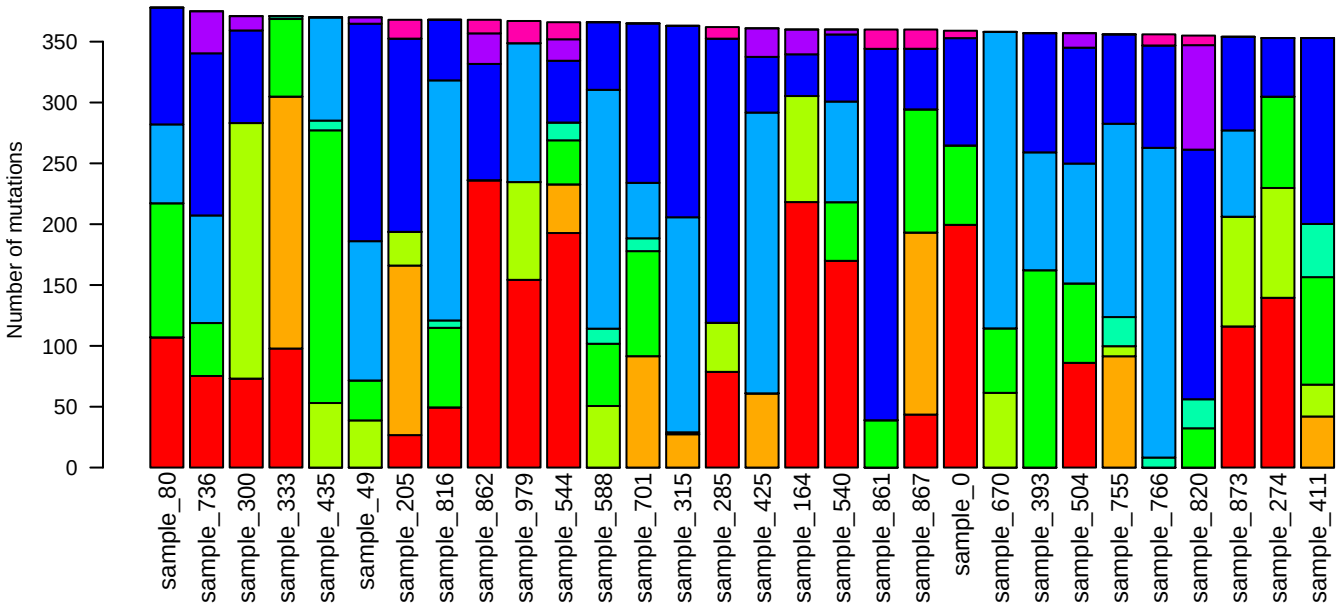
sample_513


Number of mutations
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100
150
200
250
300
350
sample_80
sample_736
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sample_333
sample_435
sample_49
sample_205
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sample_862
sample_979
sample_544
sample_588
sample_701
sample_315
sample_285
sample_425
sample_164
sample_540
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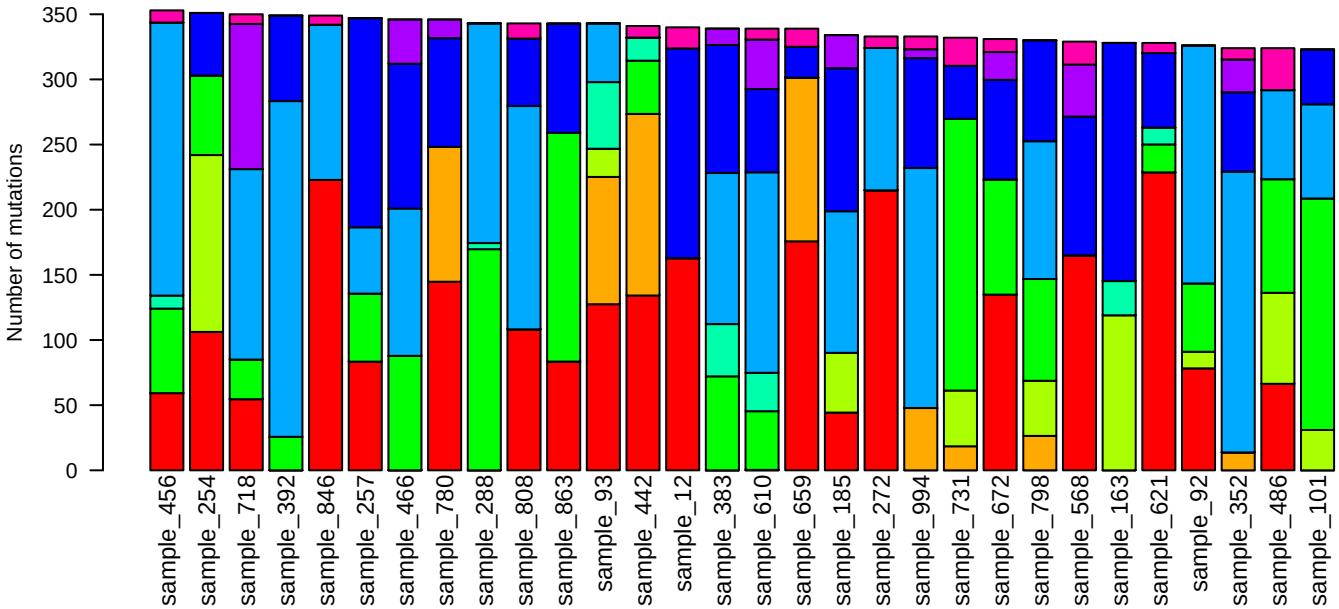
sample_274
sample_411


Number of mutations
0
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100
150
200
250
300
350
sample_456
sample_254
sample_718
sample_392
sample_846
sample_257
sample_466
sample_780
sample_288
sample_808
sample_863
sample_93
sample_442
sample_12
sample_383
sample_610
sample_659
sample_185
sample_272
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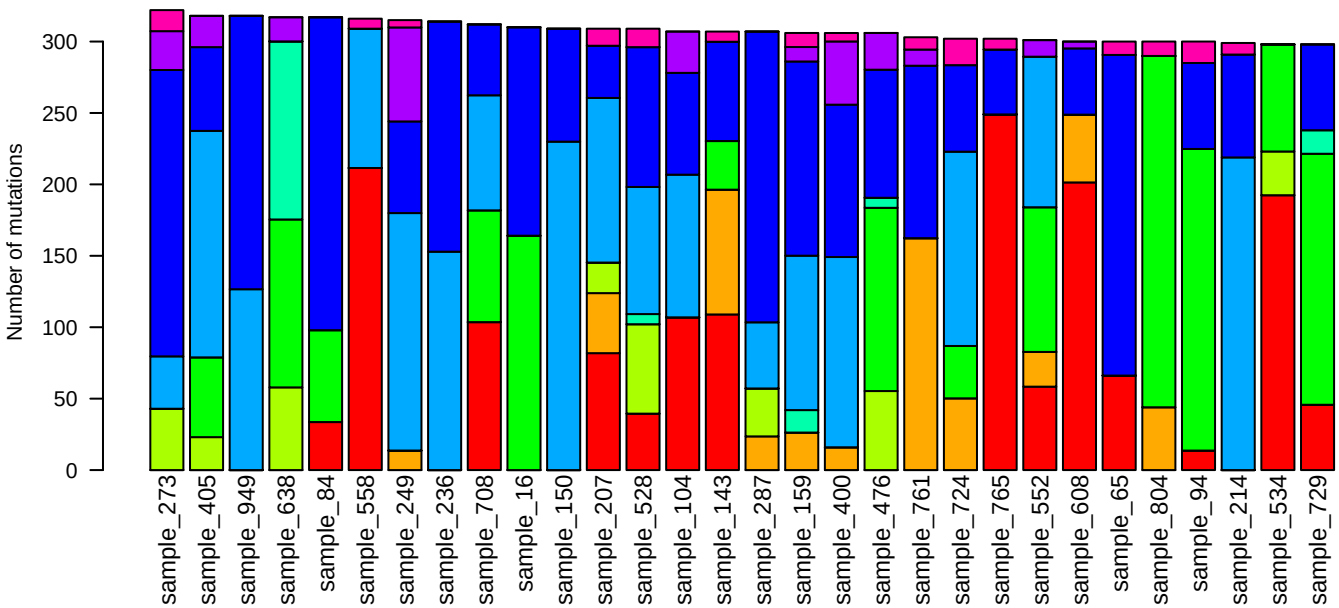
sample_486
sample_101


Number of mutations
0
50
100
150
200
250
300
sample_273
sample_405
sample_949
sample_638
sample_84
sample_558
sample_249
sample_236
sample_708
sample_16
sample_150
sample_207
sample_528
sample_104
sample_143
sample_287
sample_159
sample_400
sample_476
sample_761
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sample_765
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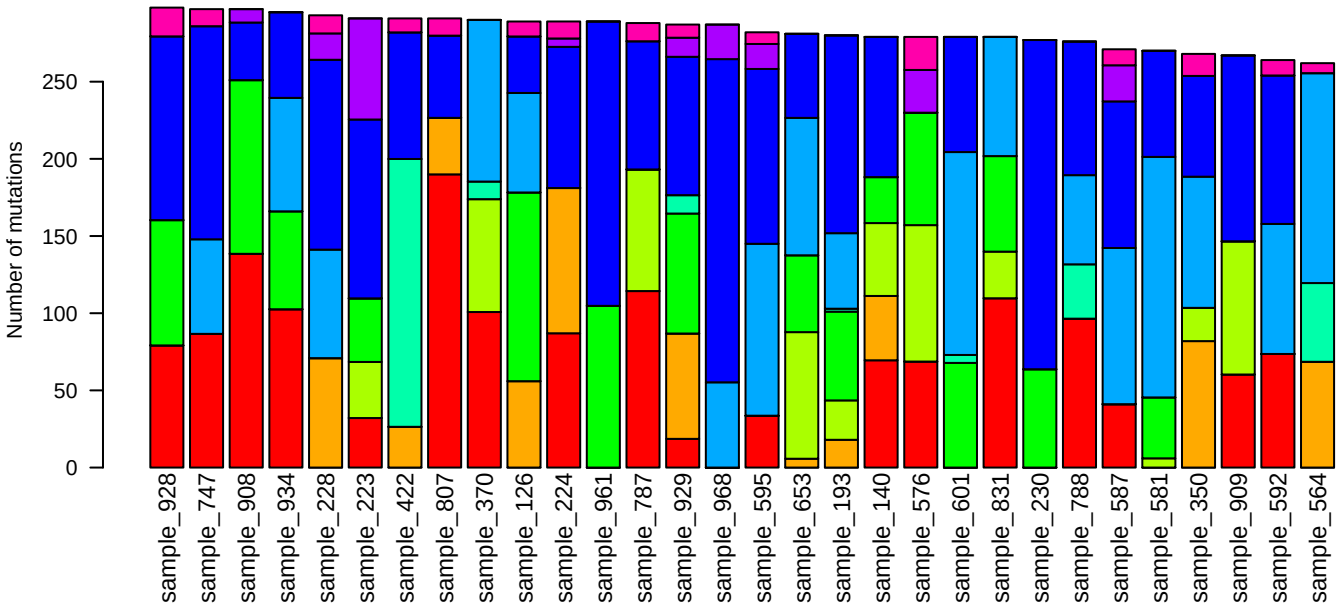
sample_608
sample_65
sample_804
sample_94
sample_214
sample_534
sample_729


Number of mutations
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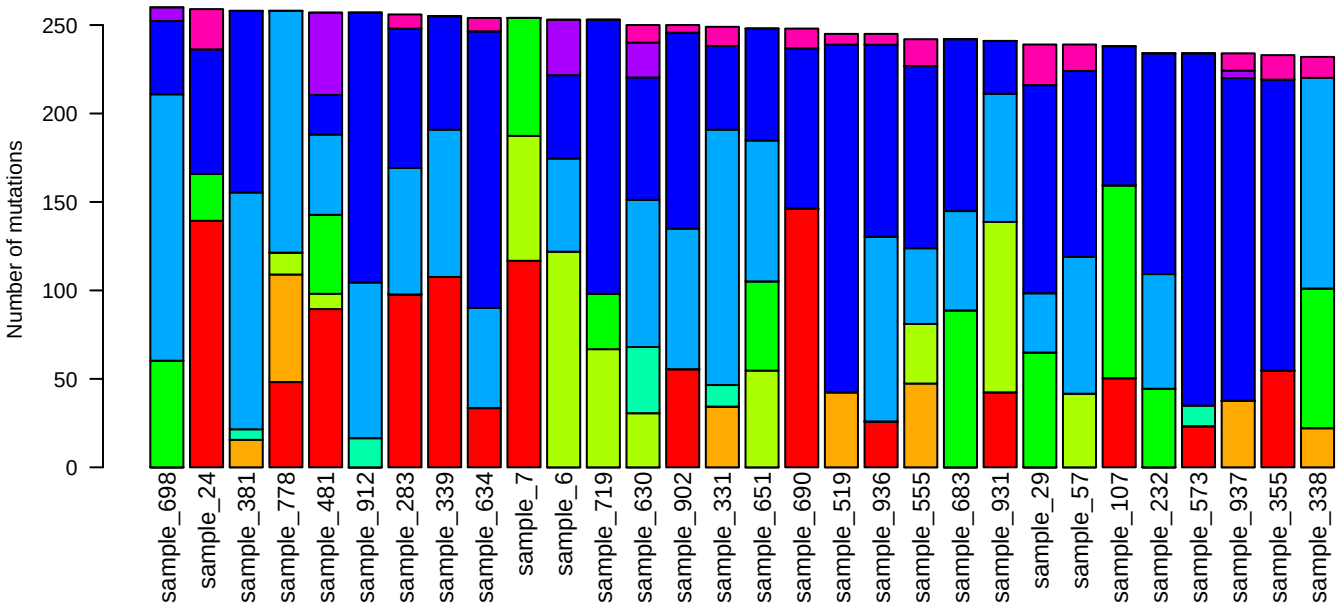
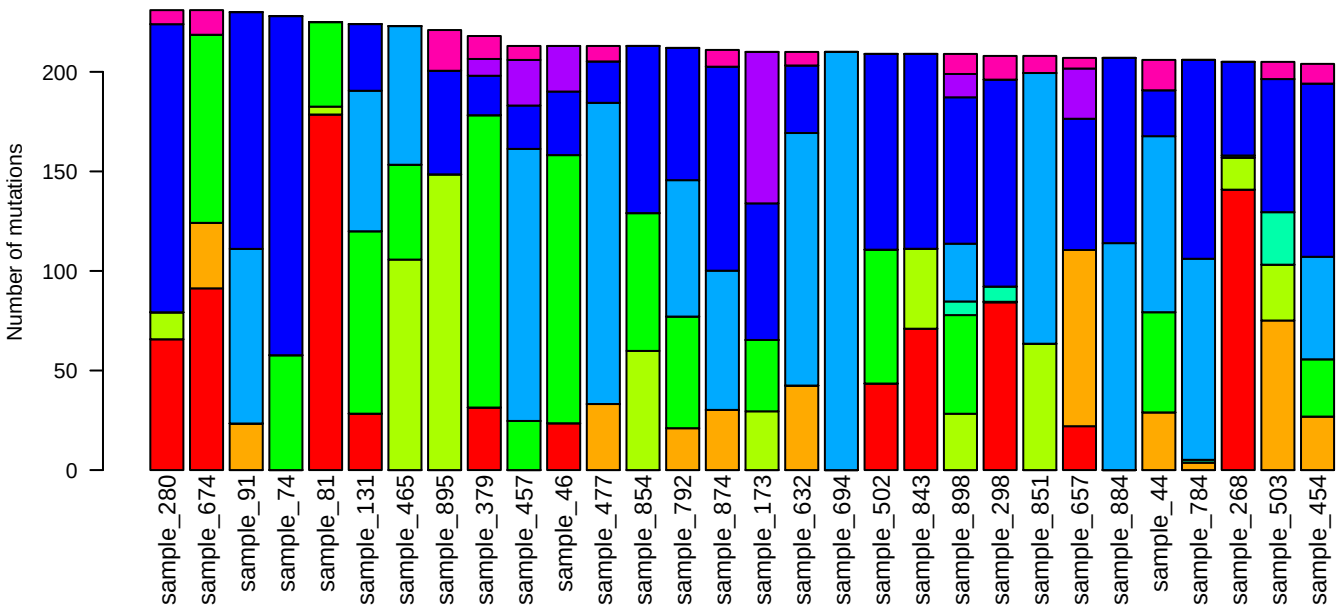
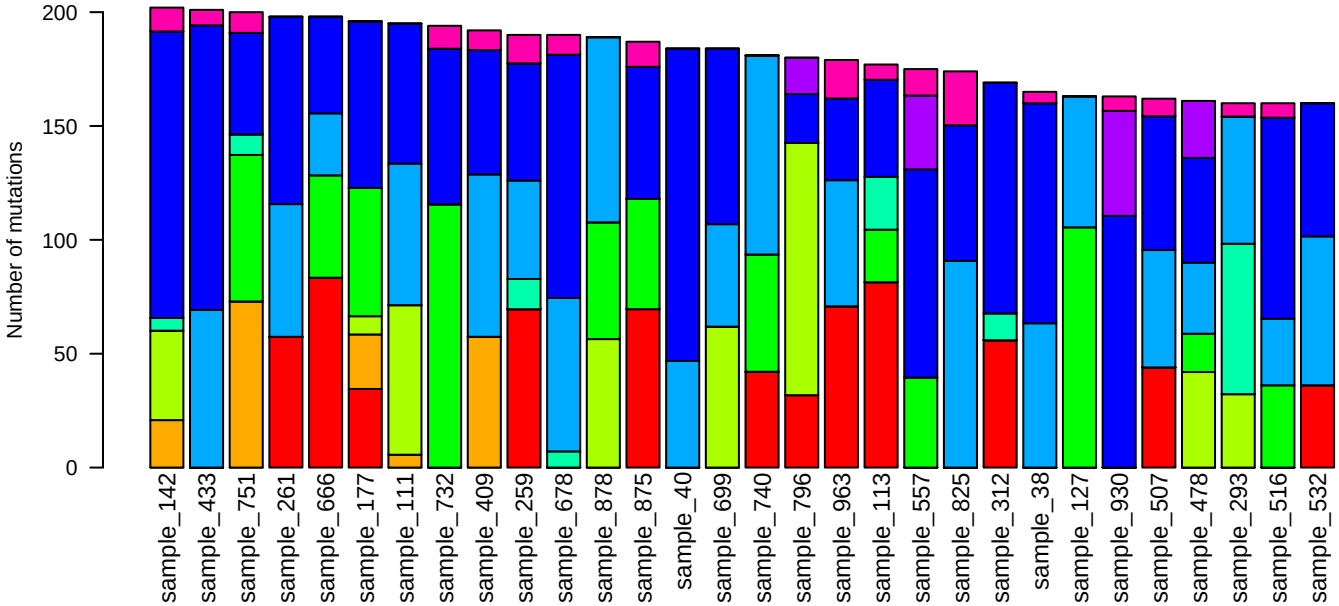
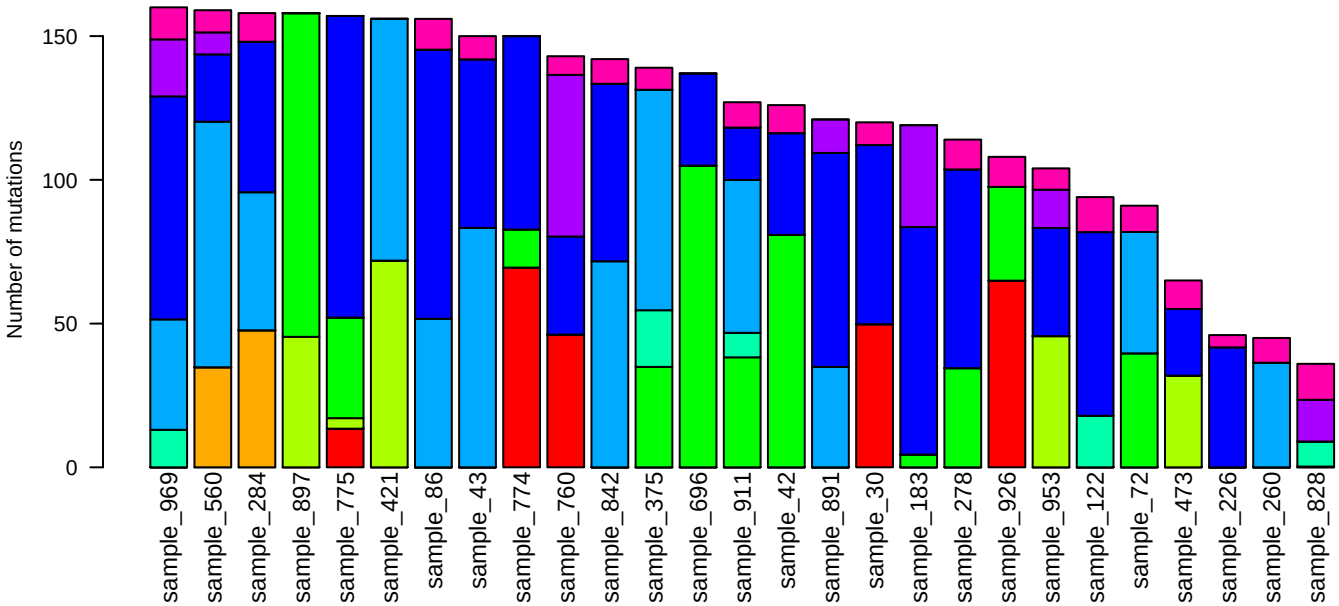
50
100
150
200
250
sample_928
sample_747
sample_908
sample_934
sample_228
sample_223
sample_422
sample_807
sample_370
sample_126
sample_224
sample_961
sample_787
sample_929
sample_968
sample_595
sample_653
sample_193
sample_140
sample_576
sample_601
sample_831
sample_230
sample_788
sample_587
sample_581
sample_350
sample_909
sample_592
sample_564


Number of mutations
0
50
100
150
200
250
sample_698
sample_24
sample_381
sample_778
sample_481
sample_912
sample_283
sample_339
sample_634
sample_7
sample_6
sample_719
sample_630
sample_902
sample_331
sample_651
sample_690
sample_519
sample_936
sample_555
sample_683
sample_931
sample_29
sample_57
sample_107
sample_232
sample_573
sample_937
sample_355
sample_338


Number of mutations
0
50
100
150
200
sample_280
sample_674
sample_91
sample_74
sample_81
sample_131
sample_465
sample_895
sample_379
sample_457
sample_46
sample_477
sample_854
sample_792
sample_874
sample_173
sample_632
sample_694
sample_502
sample_843
sample_898
sample_298
sample_851
sample_657
sample_884
sample_44
sample_784
sample_268
sample_503
sample_454


Number of mutations
0
50
100
150
200
sample_142
sample_433
sample_751
sample_261
sample_666
sample_177
sample_111
sample_732
sample_409
sample_259
sample_678
sample_878
sample_875
sample_40
sample_699
sample_740
sample_796
sample_963
sample_113
sample_557
sample_825
sample_312
sample_38
sample_127
sample_930
sample_507
sample_478
sample_293
sample_516
sample_532


Number of mutations
0
50
100
150
sample_969
sample_560
sample_284
sample_897
sample_775
sample_421
sample_86
sample_43
sample_774
sample_760
sample_842
sample_375
sample_696
sample_911
sample_42
sample_891
sample_30
sample_183
sample_278
sample_926
sample_953
sample_122
sample_72
sample_473
sample_226
sample_260
sample_828