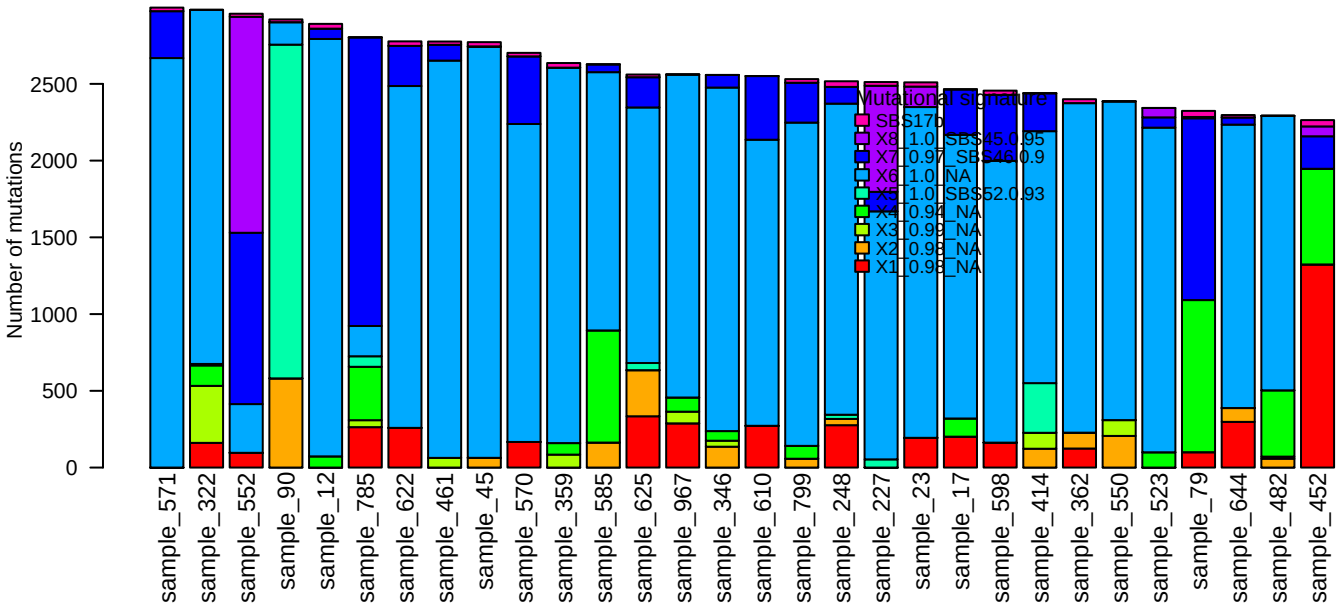
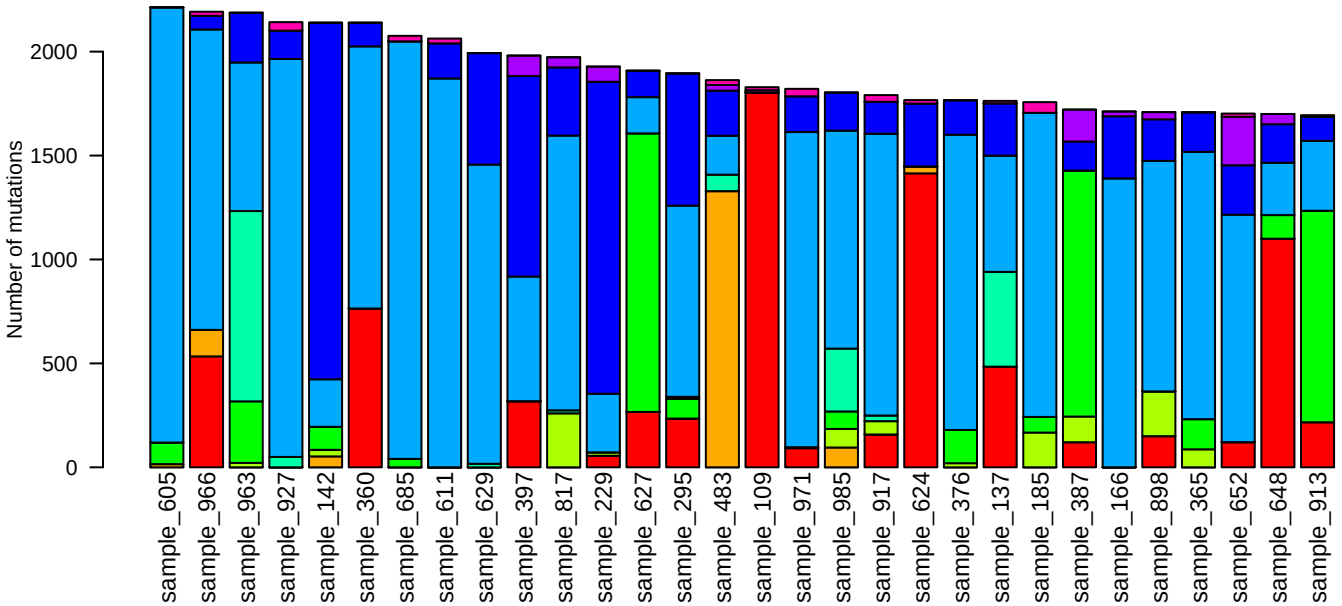

Number of mutations
0
500
1000
1500
2000
2500
Mutational Signature
SBS17b
X8_1.0_SBS45.0.95
X7_0.97_SBS46.0.9
X6_1.0_NA
X5_1.0_SBS52.0.93
X4_0.94_NA
X3_0.99_NA
X2_0.98_NA
X1_0.98_NA
sample_571
sample_322
sample_552
sample_90
sample_12
sample_785
sample_622
sample_461
sample_45
sample_570
sample_359
sample_585
sample_625
sample_967
sample_346
sample_610
sample_799
sample_248
sample_227
sample_23
sample_17
sample_598
sample_414
sample_362
sample_550
sample_523
sample_79
sample_644
sample_482
sample_452


Number of mutations
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sample_605
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sample_142
sample_360
sample_685
sample_611
sample_629
sample_397
sample_817
sample_229
sample_627
sample_295
sample_483
sample_109
sample_971
sample_985
sample_917
sample_624
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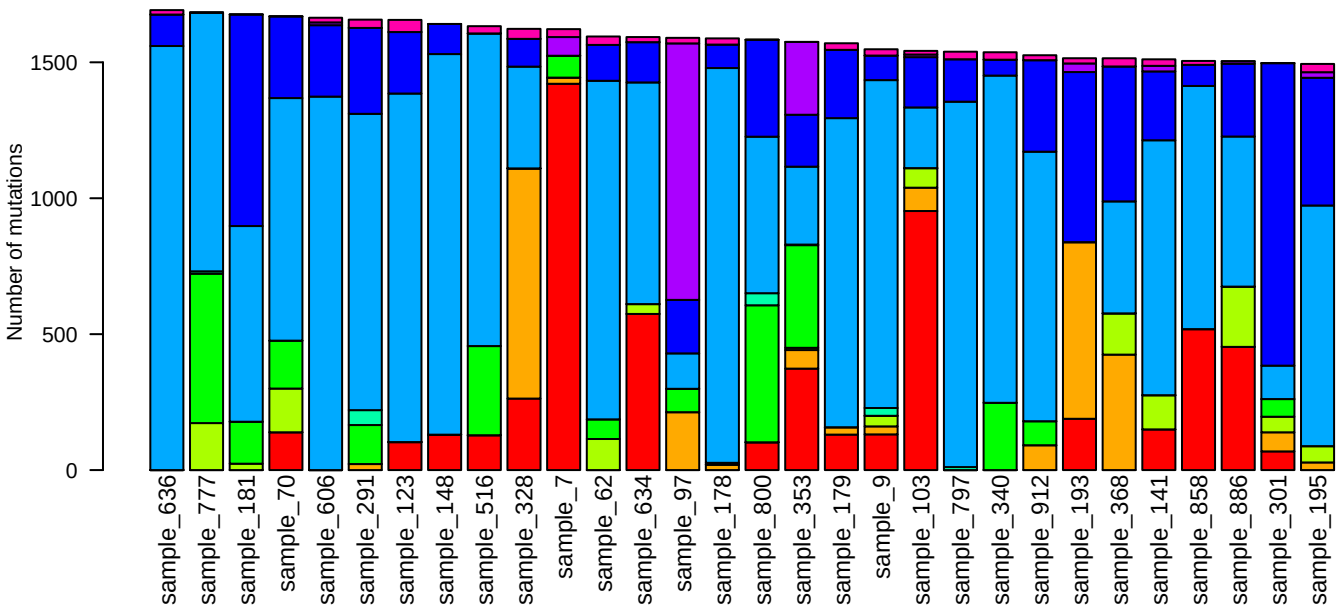
sample_137
sample_185
sample_387
sample_166
sample_898
sample_365
sample_652
sample_648
sample_913


Number of mutations
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sample_181
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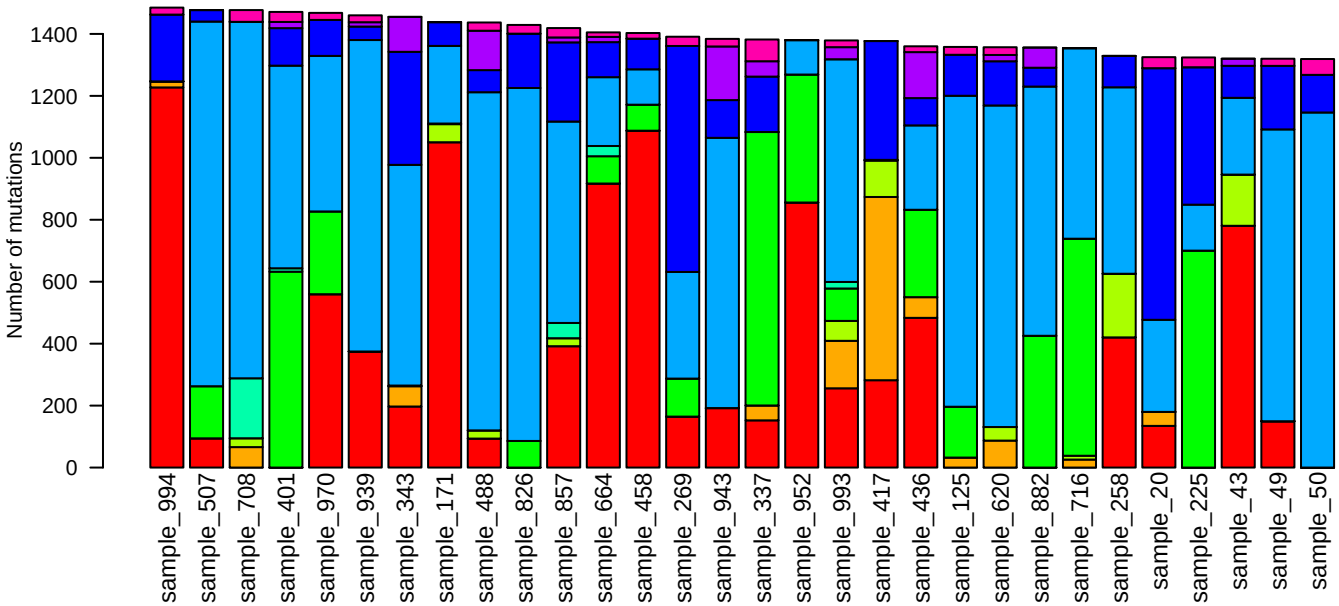
sample_606
sample_291
sample_123
sample_148
sample_516
sample_328
sample_7
sample_62
sample_634
sample_97
sample_178
sample_800
sample_353
sample_179
sample_9
sample_103
sample_797
sample_340
sample_912
sample_193
sample_368
sample_141
sample_858
sample_886
sample_301
sample_195


Number of mutations
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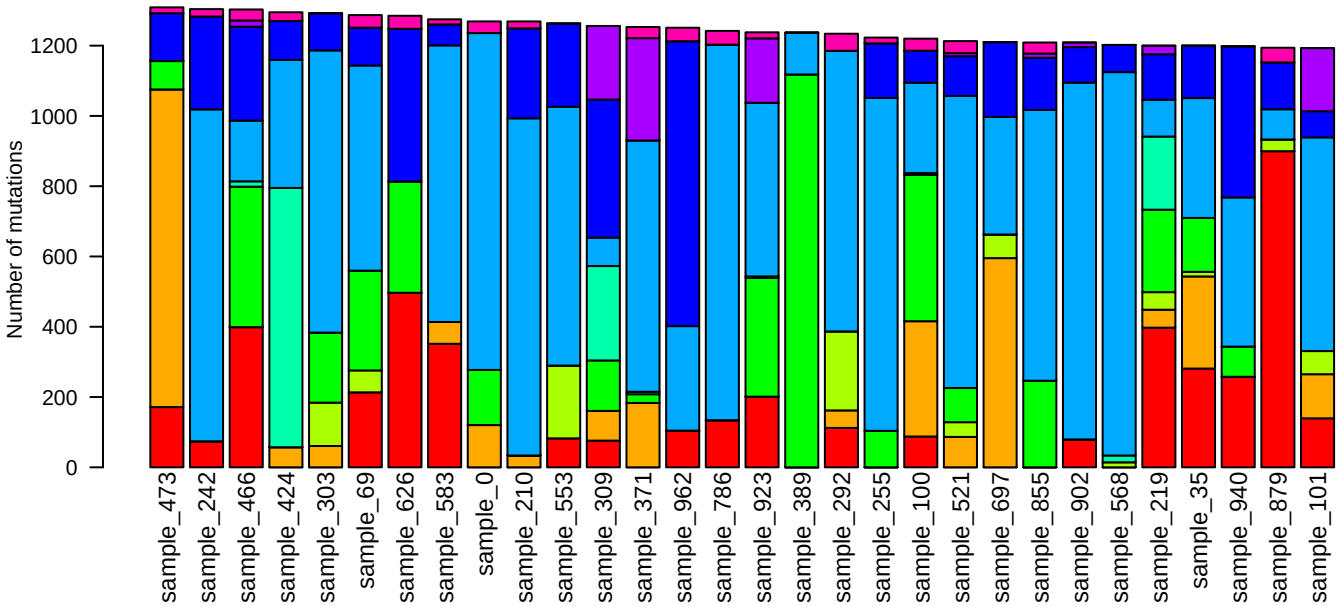
800
1000
1200
1400
sample_994
sample_507
sample_708
sample_401
sample_970
sample_939
sample_343
sample_171
sample_488
sample_826
sample_857
sample_664
sample_458
sample_269
sample_943
sample_337
sample_952
sample_993
sample_417
sample_436
sample_125
sample_620
sample_882
sample_716
sample_258
sample_20
sample_225
sample_43
sample_49
sample_50


Number of mutations
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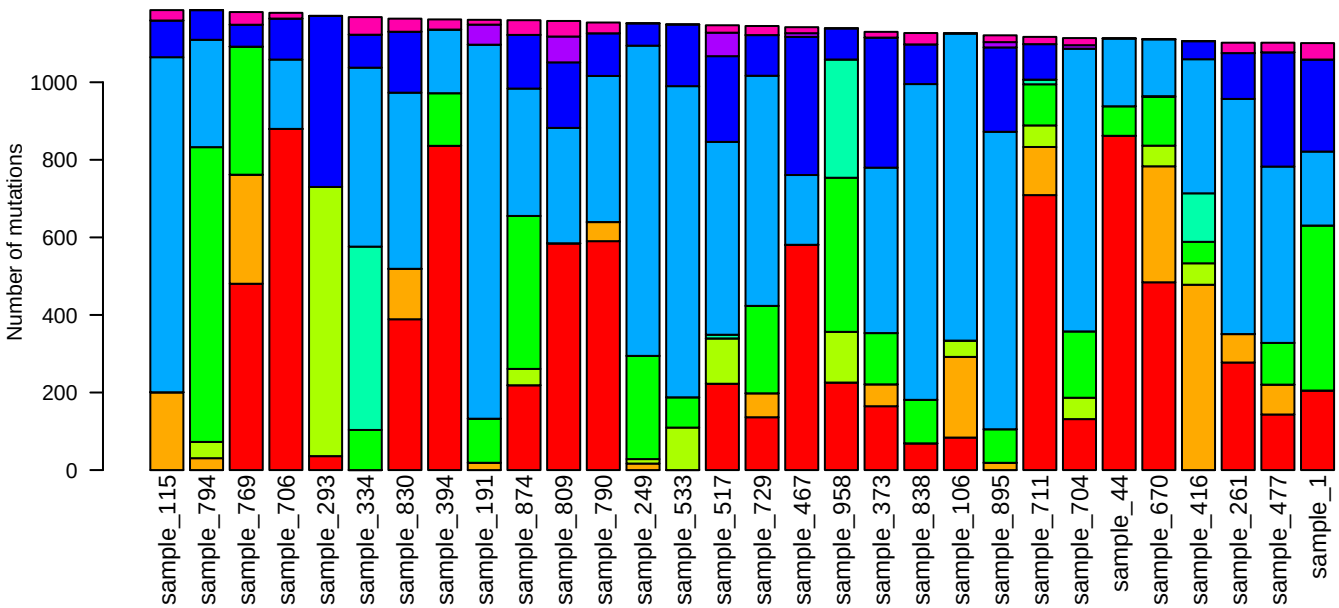
800
1000
1200
sample_473
sample_242
sample_466
sample_424
sample_303
sample_69
sample_626
sample_583
sample_0
sample_210
sample_553
sample_309
sample_371
sample_962
sample_786
sample_923
sample_389
sample_292
sample_255
sample_100
sample_521
sample_697
sample_855
sample_902
sample_568
sample_219
sample_35
sample_940
sample_879
sample_101


Number of mutations
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800
1000
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sample_794
sample_769
sample_706
sample_293
sample_334
sample_830
sample_394
sample_191
sample_874
sample_809
sample_790
sample_249
sample_533
sample_517
sample_729
sample_467
sample_958
sample_373
sample_838
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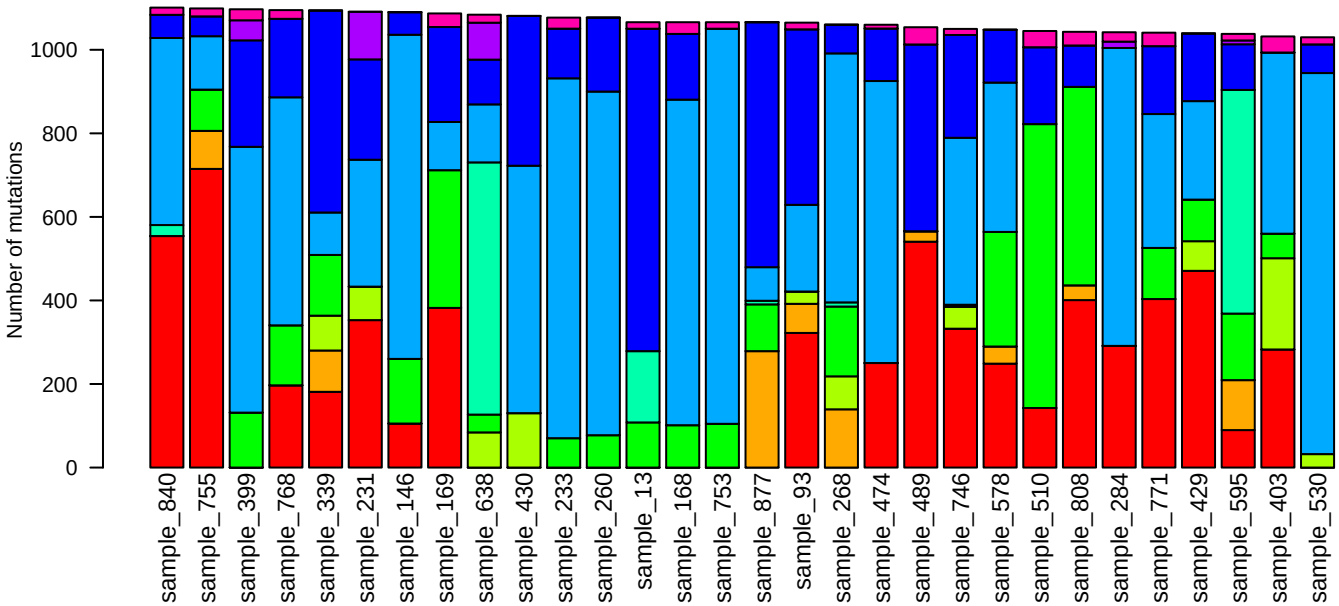
sample_895
sample_711
sample_704
sample_44
sample_670
sample_416
sample_261
sample_477
sample_1


Number of mutations
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200
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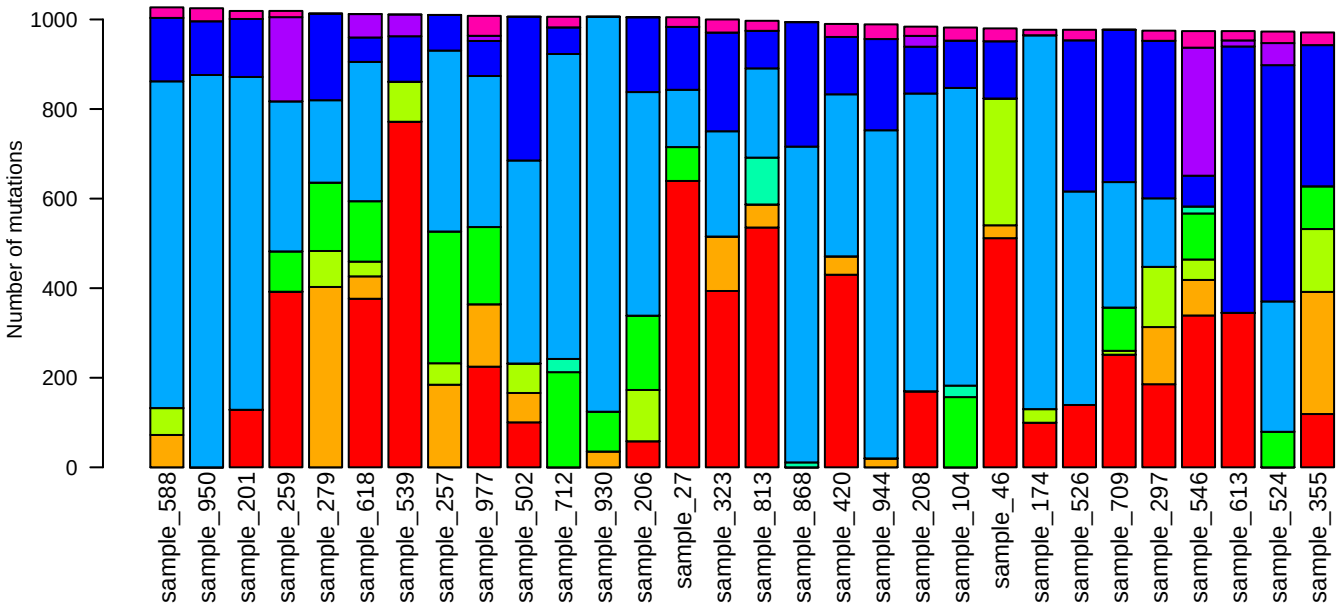
800
1000
sample_840
sample_755
sample_399
sample_768
sample_339
sample_231
sample_146
sample_169
sample_638
sample_430
sample_233
sample_260
sample_13
sample_168
sample_753
sample_877
sample_93
sample_268
sample_474
sample_489
sample_746
sample_578
sample_510
sample_808
sample_284
sample_771
sample_429
sample_595
sample_403
sample_530


Number of mutations
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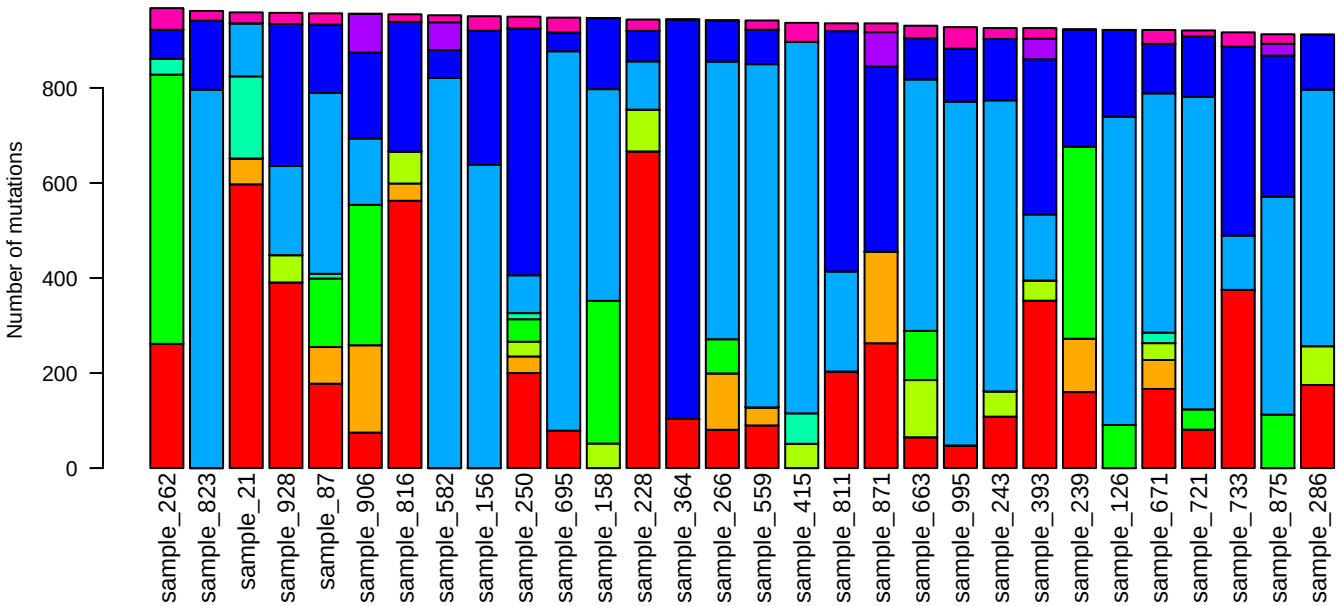
600
800
1000
sample_588
sample_950
sample_201
sample_259
sample_279
sample_618
sample_539
sample_257
sample_977
sample_502
sample_712
sample_930
sample_206
sample_27
sample_323
sample_813
sample_868
sample_420
sample_944
sample_208
sample_104
sample_46
sample_174
sample_526
sample_709
sample_297
sample_546
sample_613
sample_524
sample_355


Number of mutations
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800
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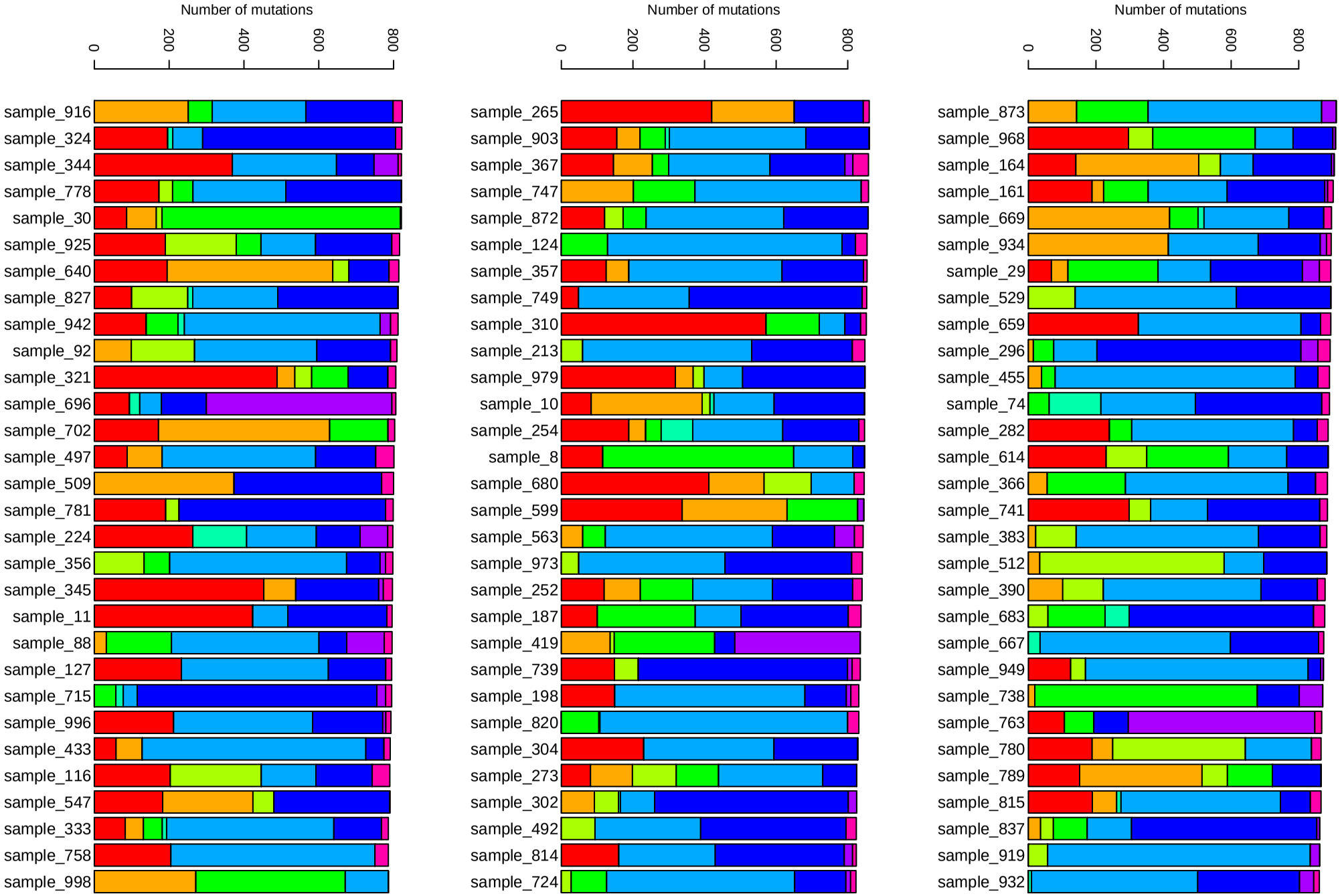
sample_823
sample_21
sample_928
sample_87
sample_906
sample_816
sample_582
sample_156
sample_250
sample_695
sample_158
sample_228
sample_364
sample_266
sample_559
sample_415
sample_811
sample_871
sample_663
sample_995
sample_243
sample_393
sample_239
sample_126
sample_671
sample_721
sample_733
sample_875
sample_286


Number of mutations
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600
800
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sample_324
sample_344
sample_778
sample_30
sample_925
sample_640
sample_827
sample_942
sample_92
sample_321
sample_696
sample_702
sample_497
sample_509
sample_781
sample_224
sample_356
sample_345
sample_11
sample_88
sample_127
sample_715
sample_996
sample_433
sample_116
sample_547
sample_333
sample_758
sample_998
Number of mutations
0
200
400
600
800
sample_265
sample_903
sample_367
sample_747
sample_872
sample_124
sample_357
sample_749
sample_310
sample_213
sample_979
sample_10
sample_254
sample_8
sample_680
sample_599
sample_563
sample_973
sample_252
sample_187
sample_419
sample_739
sample_198
sample_820
sample_304
sample_273
sample_302
sample_492
sample_814
sample_724
Number of mutations
0
200
400
600
800
sample_873
sample_968
sample_164
sample_161
sample_669
sample_934
sample_29
sample_529
sample_659
sample_296
sample_455
sample_74
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sample_383
sample_512
sample_390
sample_683
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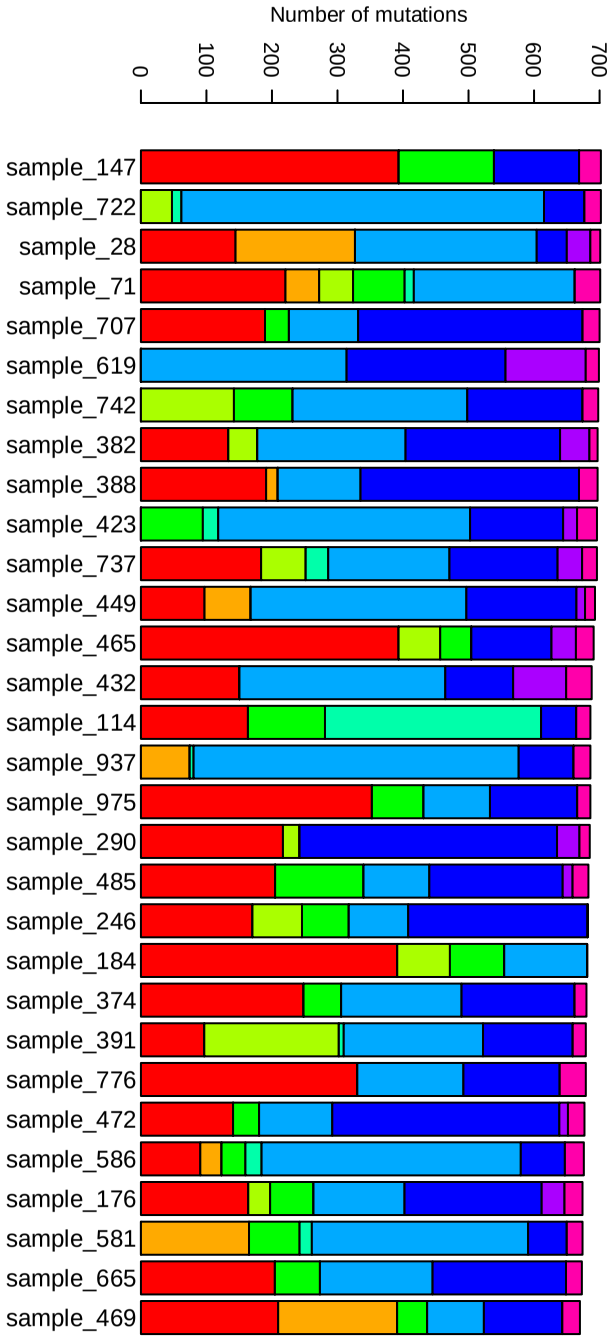
sample_780
sample_789
sample_815
sample_837
sample_919
sample_932


Number of mutations
0
100
200
300
400
500
600
700
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sample_28
sample_71
sample_707
sample_619
sample_742
sample_382
sample_388
sample_423
sample_737
sample_449
sample_465
sample_432
sample_114
sample_937
sample_975
sample_290
sample_485
sample_246
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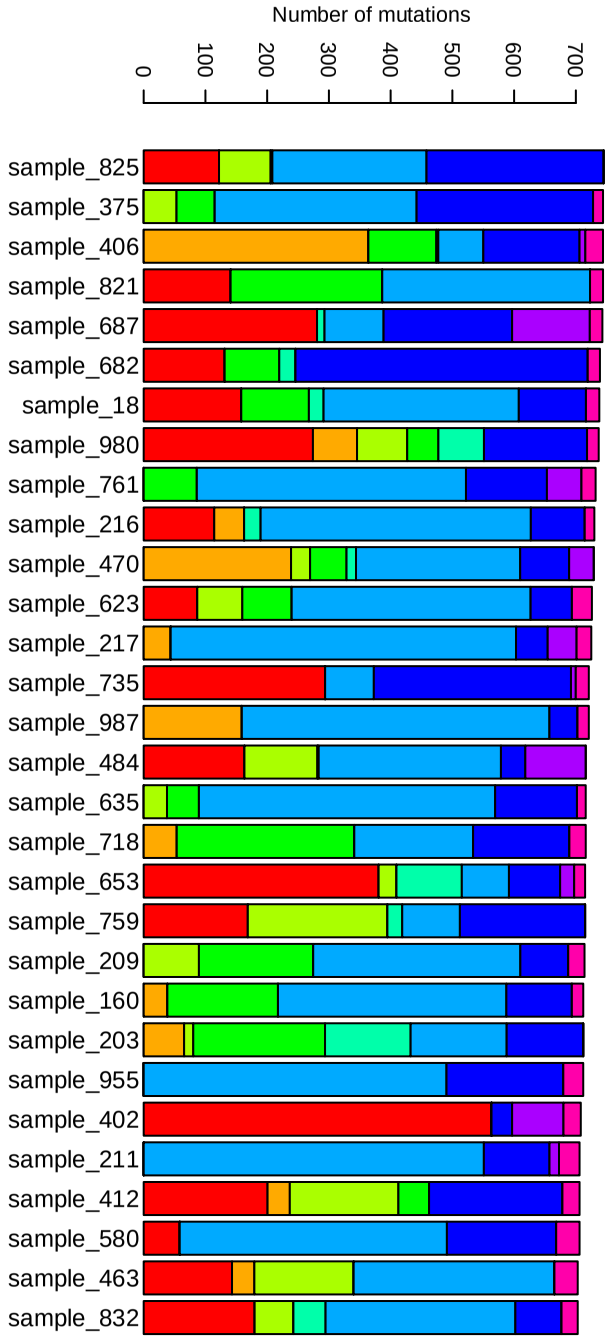
sample_374
sample_391
sample_776
sample_472
sample_586
sample_176
sample_581
sample_665
sample_469


Number of mutations
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100
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500
600
700
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sample_406
sample_821
sample_687
sample_682
sample_18
sample_980
sample_761
sample_216
sample_470
sample_623
sample_217
sample_735
sample_987
sample_484
sample_635
sample_718
sample_653
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sample_209
sample_160
sample_203
sample_955
sample_402
sample_211
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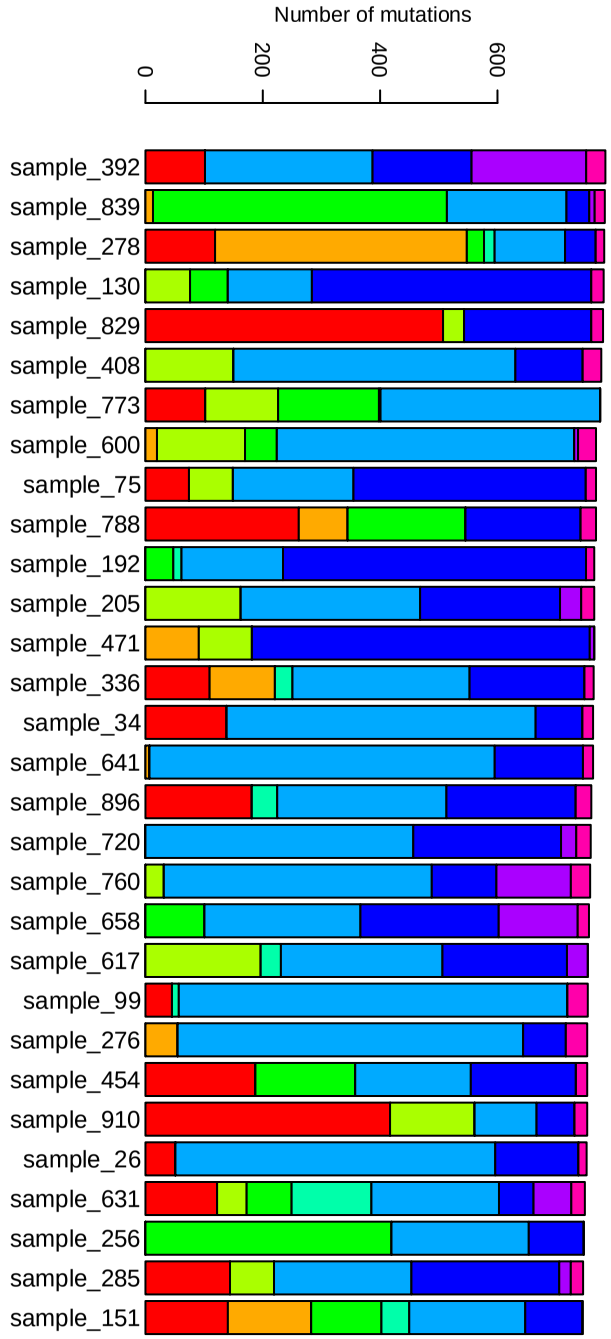
sample_580
sample_463
sample_832


Number of mutations
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sample_839
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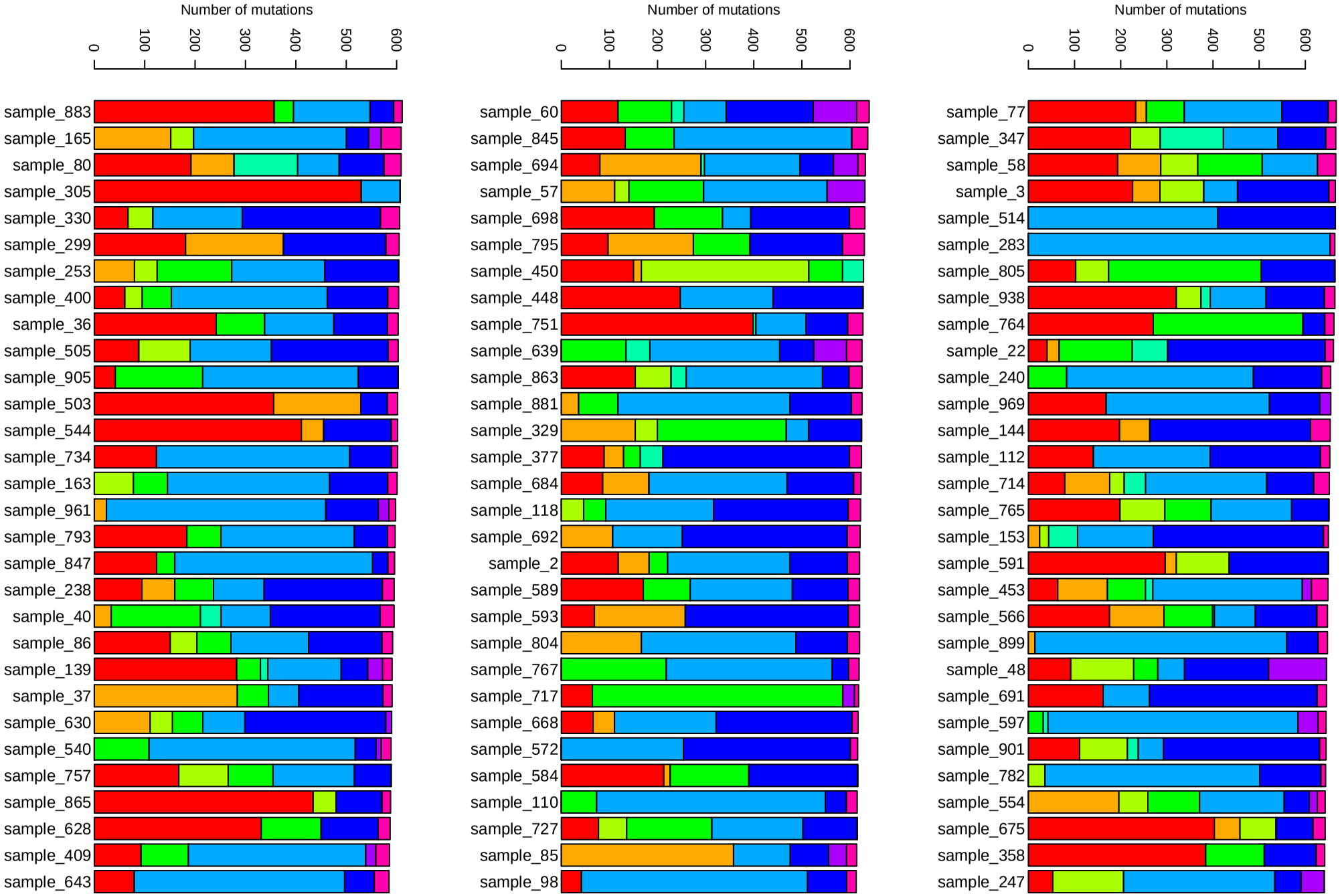
sample_130
sample_829
sample_408
sample_773
sample_600
sample_75
sample_788
sample_192
sample_205
sample_471
sample_336
sample_34
sample_641
sample_896
sample_720
sample_760
sample_658
sample_617
sample_99
sample_276
sample_454
sample_910
sample_26
sample_631
sample_256
sample_285
sample_151


Number of mutations
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500
600
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sample_80
sample_305
sample_330
sample_299
sample_253
sample_400
sample_36
sample_505
sample_905
sample_503
sample_544
sample_734
sample_163
sample_961
sample_793
sample_847
sample_238
sample_40
sample_86
sample_139
sample_37
sample_630
sample_540
sample_757
sample_865
sample_628
sample_409
sample_643
Number of mutations
0
100
200
300
400
500
600
sample_60
sample_845
sample_694
sample_57
sample_698
sample_795
sample_450
sample_448
sample_751
sample_639
sample_863
sample_881
sample_329
sample_377
sample_684
sample_118
sample_692
sample_2
sample_589
sample_593
sample_804
sample_767
sample_717
sample_668
sample_572
sample_584
sample_110
sample_727
sample_85
sample_98
Number of mutations
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100
200
300
400
500
600
sample_77
sample_347
sample_58
sample_3
sample_514
sample_283
sample_805
sample_938
sample_764
sample_22
sample_240
sample_969
sample_144
sample_112
sample_714
sample_765
sample_153
sample_591
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sample_782
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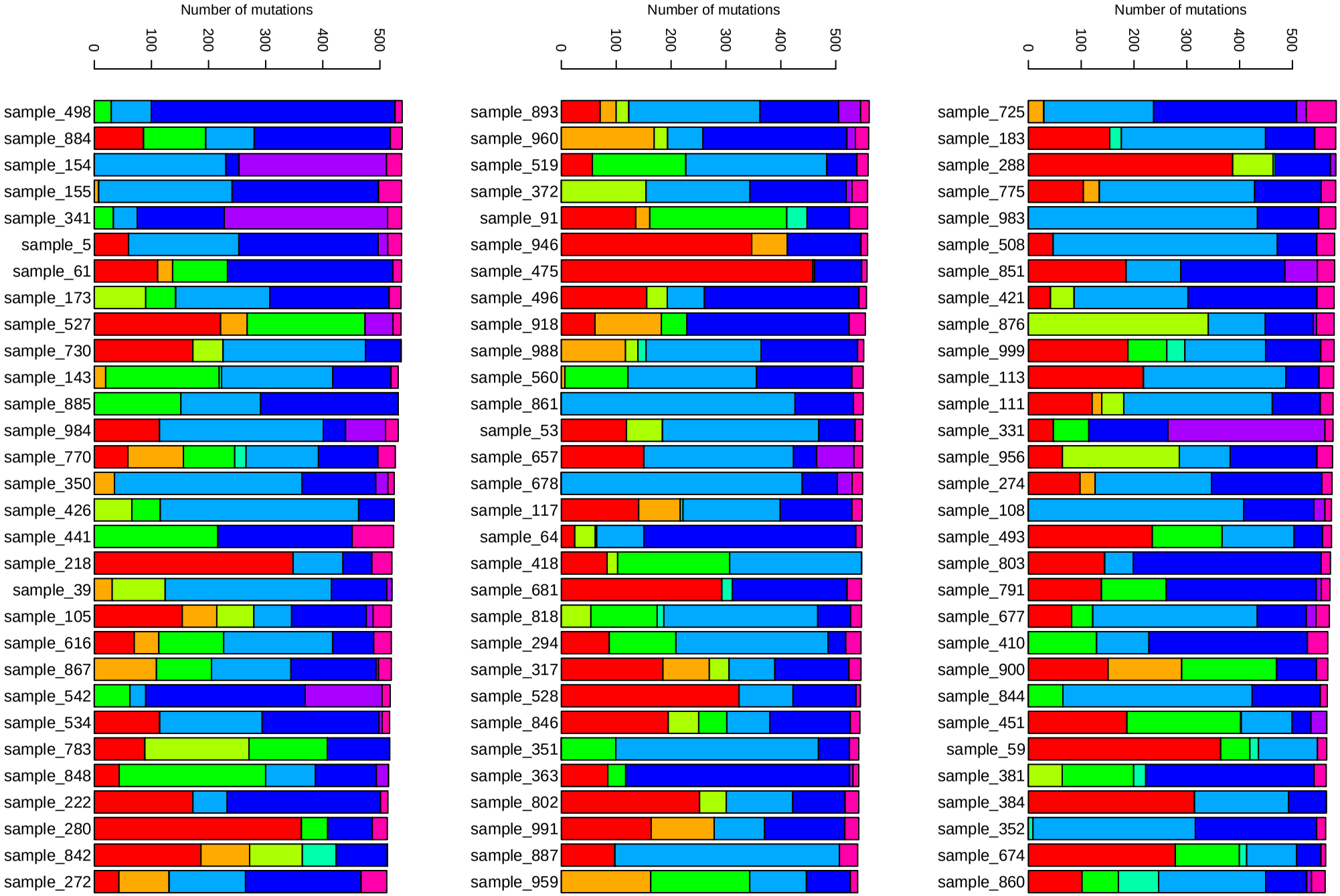
sample_675
sample_358
sample_247


Number of mutations
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sample_155
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sample_173
sample_527
sample_730
sample_143
sample_885
sample_984
sample_770
sample_350
sample_426
sample_441
sample_218
sample_39
sample_105
sample_616
sample_867
sample_542
sample_534
sample_783
sample_848
sample_222
sample_280
sample_842
sample_272
Number of mutations
0
100
200
300
400
500
sample_893
sample_960
sample_519
sample_372
sample_91
sample_946
sample_475
sample_496
sample_918
sample_988
sample_560
sample_861
sample_53
sample_657
sample_678
sample_117
sample_64
sample_418
sample_681
sample_818
sample_294
sample_317
sample_528
sample_846
sample_351
sample_363
sample_802
sample_991
sample_887
sample_959
Number of mutations
0
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200
300
400
500
sample_725
sample_183
sample_288
sample_775
sample_983
sample_508
sample_851
sample_421
sample_876
sample_999
sample_113
sample_111
sample_331
sample_956
sample_274
sample_108
sample_493
sample_803
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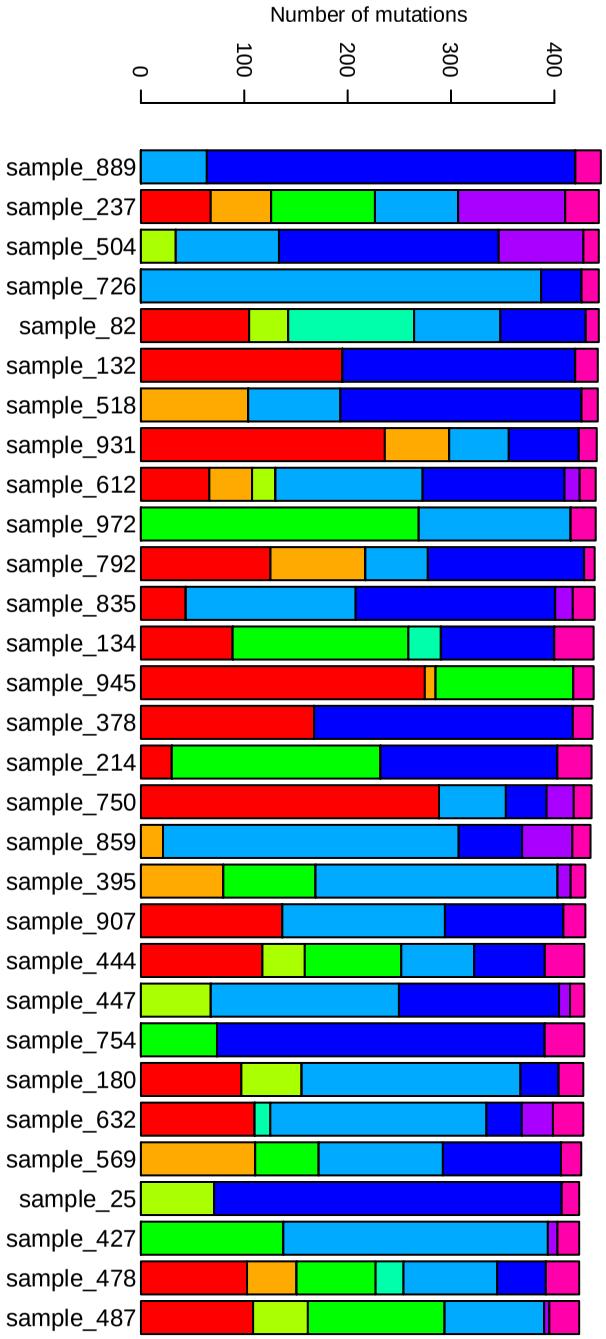
Number of mutations
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300
400
sample_889
sample_237
sample_504
sample_726
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sample_132
sample_518
sample_931
sample_612
sample_972
sample_792
sample_835
sample_134
sample_945
sample_378
sample_214
sample_750
sample_859
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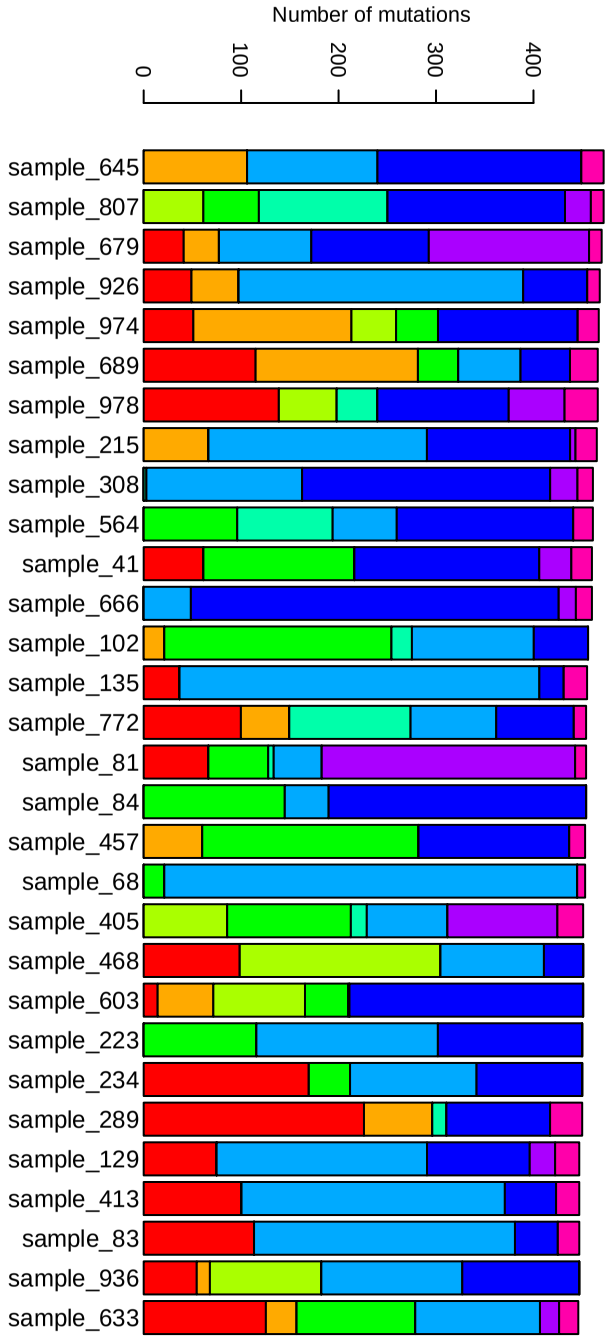
sample_487


Number of mutations
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sample_679
sample_926
sample_974
sample_689
sample_978
sample_215
sample_308
sample_564
sample_41
sample_666
sample_102
sample_135
sample_772
sample_81
sample_84
sample_457
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sample_289
sample_129
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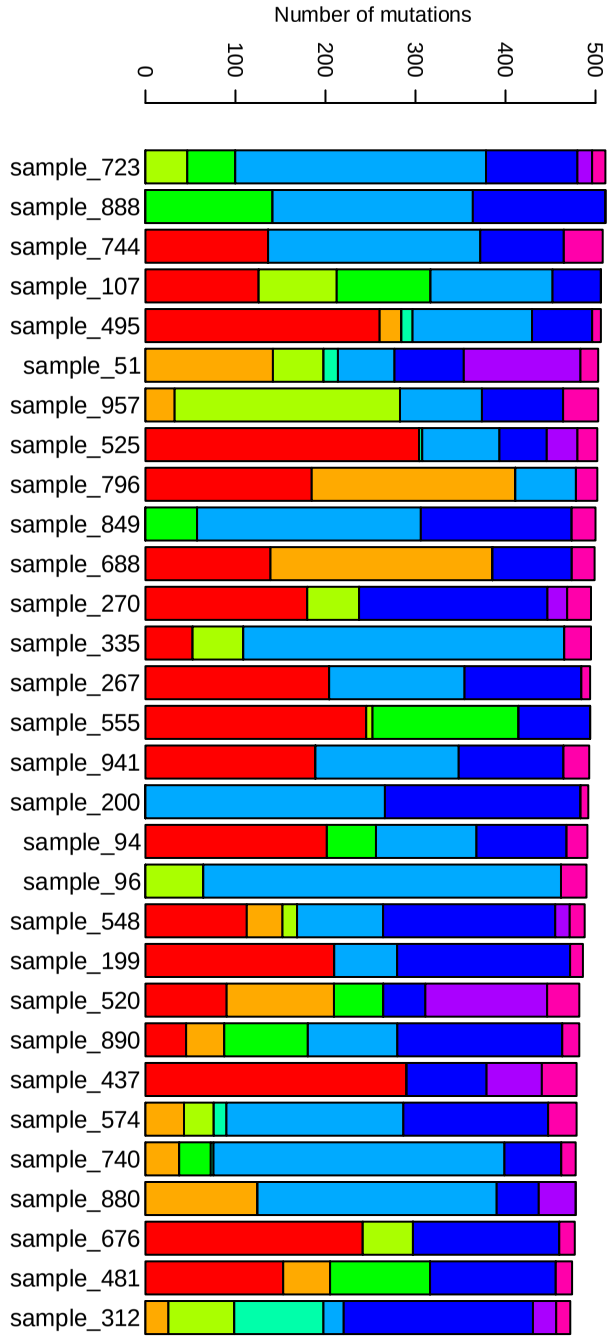
sample_633


Number of mutations
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100
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300
400
500
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sample_888
sample_744
sample_107
sample_495
sample_51
sample_957
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sample_94
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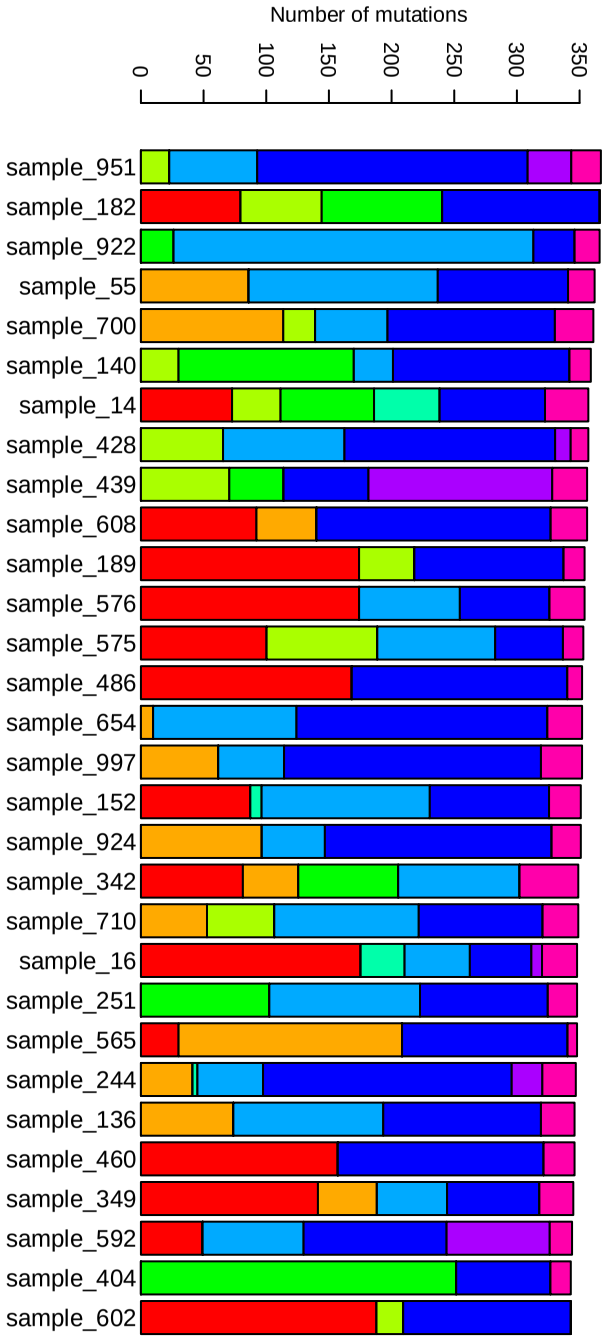
Number of mutations
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300
350
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sample_182
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sample_140
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sample_439
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sample_576
sample_575
sample_486
sample_654
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sample_152
sample_924
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sample_460
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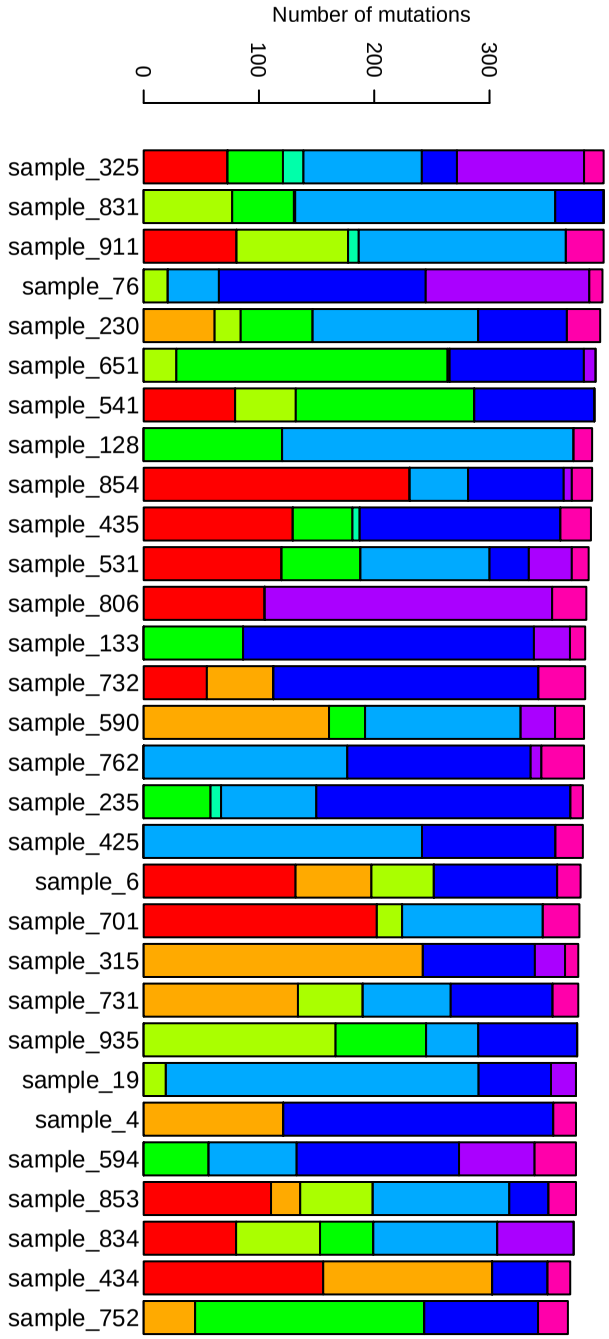
sample_602


Number of mutations
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300
sample_325
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sample_230
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sample_435
sample_531
sample_806
sample_133
sample_732
sample_590
sample_762
sample_235
sample_425
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sample_19
sample_4
sample_594
sample_853
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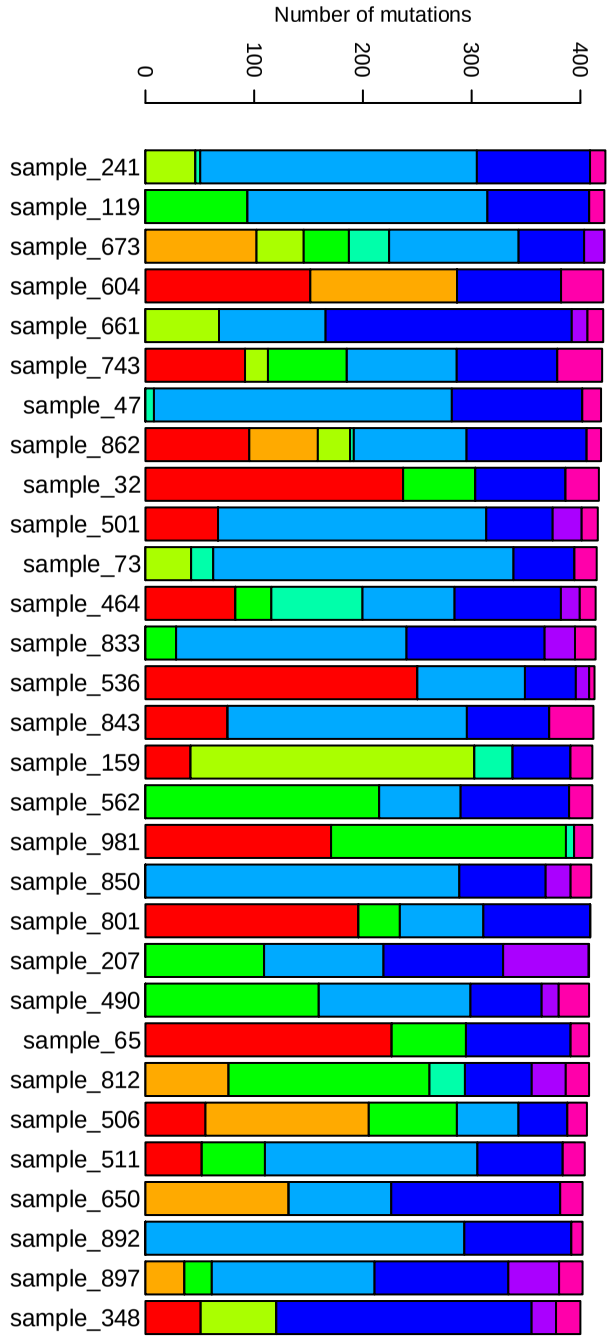
sample_752


Number of mutations
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400
sample_241
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sample_743
sample_47
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sample_73
sample_464
sample_833
sample_536
sample_843
sample_159
sample_562
sample_981
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sample_812
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sample_511
sample_650
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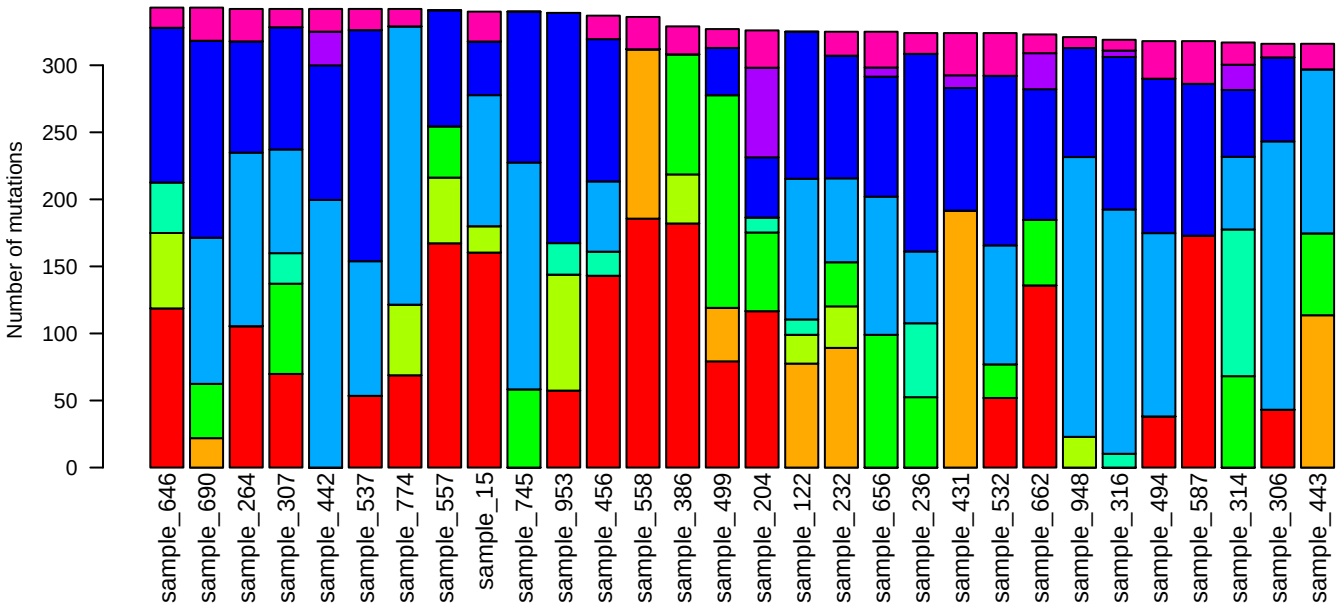
sample_897
sample_348


Number of mutations
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100
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200
250
300
sample_646
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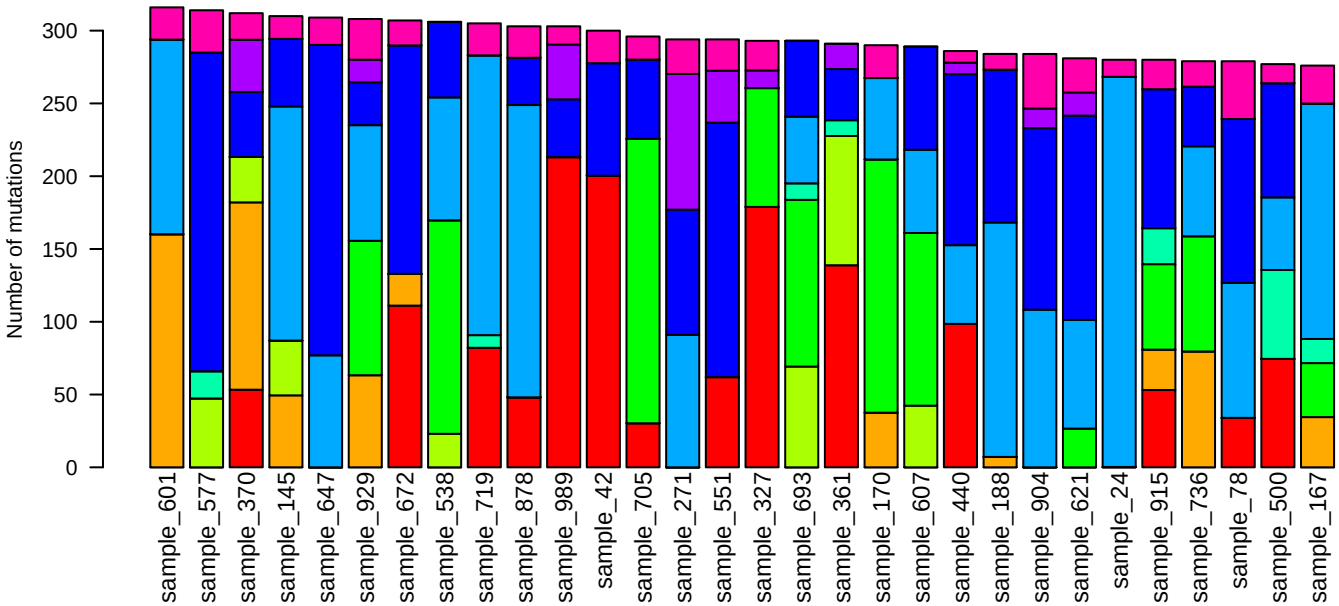
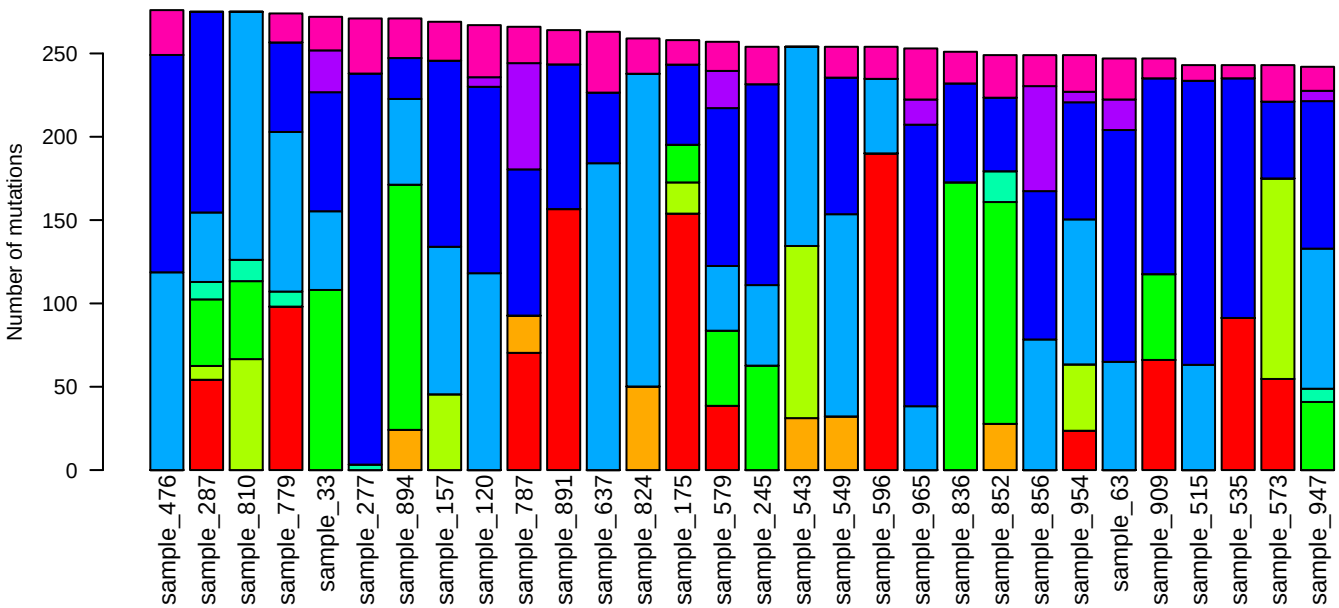
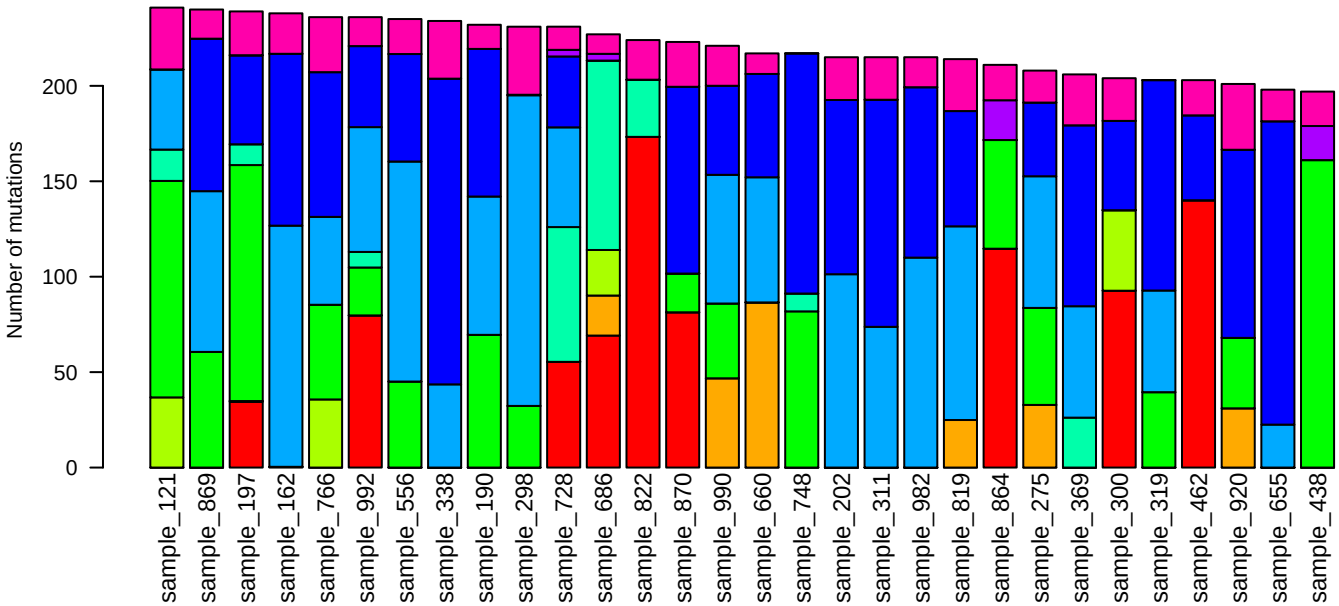
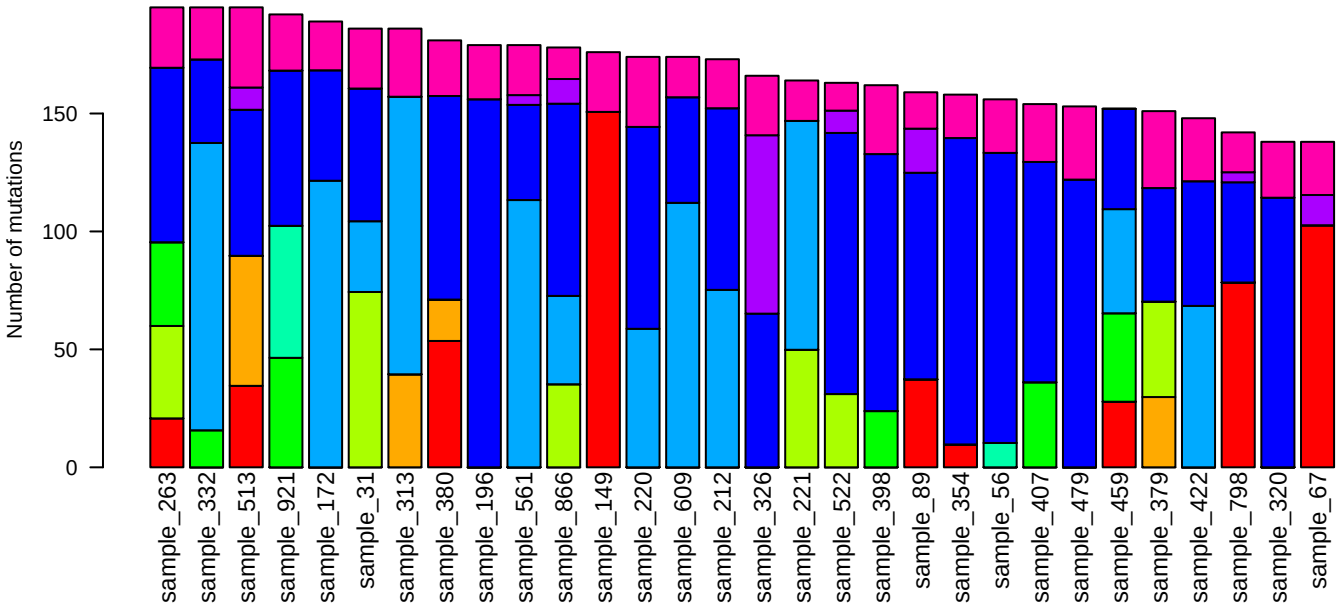
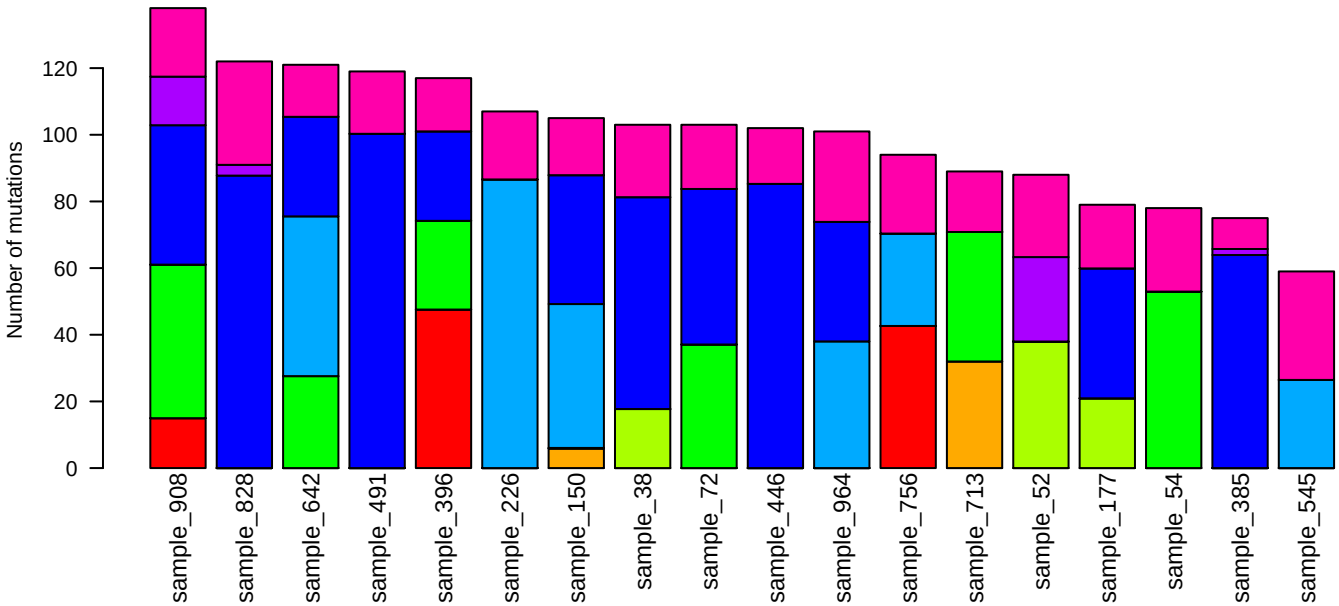
sample_264
sample_307
sample_442
sample_537
sample_774
sample_557
sample_15
sample_745
sample_953
sample_456
sample_558
sample_386
sample_499
sample_204
sample_122
sample_232
sample_656
sample_236
sample_431
sample_532
sample_662
sample_948
sample_316
sample_494
sample_587
sample_314
sample_306
sample_443


Number of mutations
0
50
100
150
200
250
300
sample_601
sample_577
sample_370
sample_145
sample_647
sample_929
sample_672
sample_538
sample_719
sample_878
sample_989
sample_42
sample_705
sample_271
sample_551
sample_327
sample_693
sample_361
sample_170
sample_607
sample_440
sample_188
sample_904
sample_621
sample_24
sample_915
sample_736
sample_78
sample_500
sample_167


Number of mutations
0
50
100
150
200
250
sample_476
sample_287
sample_810
sample_779
sample_33
sample_277
sample_894
sample_157
sample_120
sample_787
sample_891
sample_637
sample_824
sample_175
sample_579
sample_245
sample_543
sample_549
sample_596
sample_965
sample_836
sample_852
sample_856
sample_954
sample_63
sample_909
sample_515
sample_535
sample_573
sample_947


Number of mutations
0
50
100
150
200
sample_121
sample_869
sample_197
sample_162
sample_766
sample_992
sample_556
sample_338
sample_190
sample_298
sample_728
sample_686
sample_822
sample_870
sample_990
sample_660
sample_748
sample_202
sample_311
sample_982
sample_819
sample_864
sample_275
sample_369
sample_300
sample_319
sample_462
sample_920
sample_655
sample_438


Number of mutations
0
50
100
150
sample_263
sample_332
sample_513
sample_921
sample_172
sample_31
sample_313
sample_380
sample_196
sample_561
sample_866
sample_149
sample_220
sample_609
sample_212
sample_326
sample_221
sample_522
sample_398
sample_89
sample_354
sample_56
sample_407
sample_479
sample_459
sample_379
sample_422
sample_798
sample_320
sample_67


Number of mutations
0
20
40
60
80
100
120
sample_908
sample_828
sample_642
sample_491
sample_396
sample_226
sample_150
sample_38
sample_72
sample_446
sample_964
sample_756
sample_713
sample_52
sample_177
sample_54
sample_385
sample_545