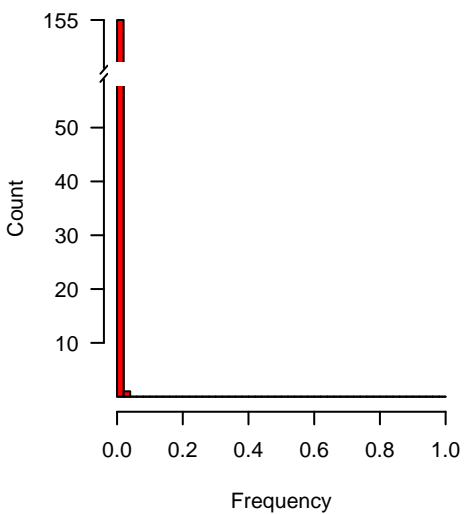
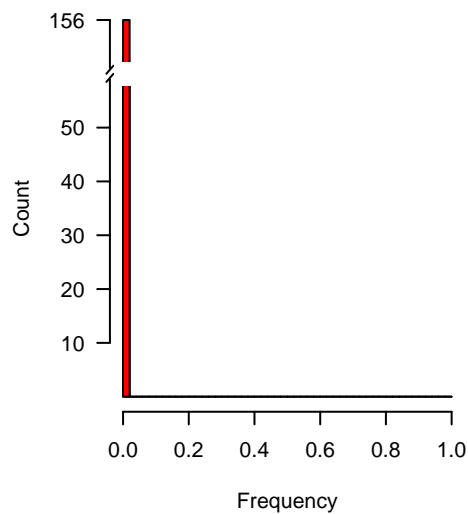


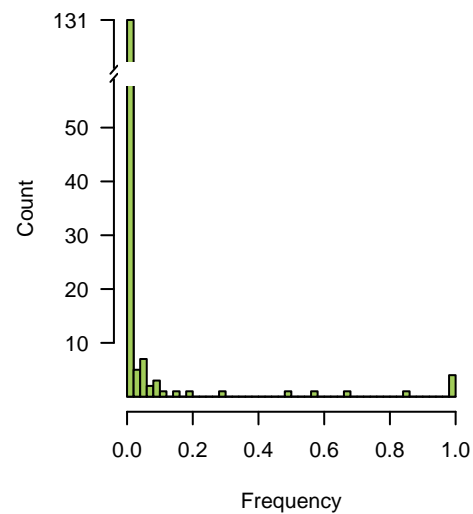
**RT site 1
AA 1**



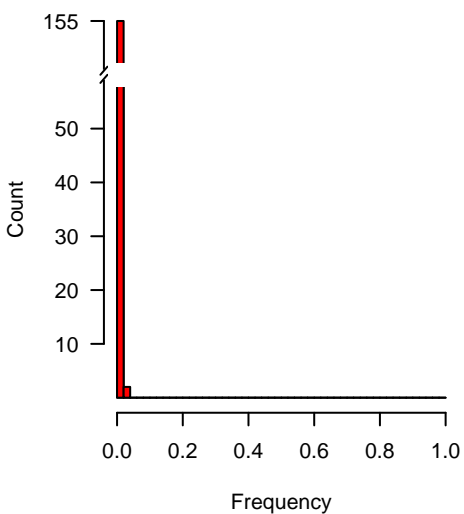
**RT site 2
AA 1**



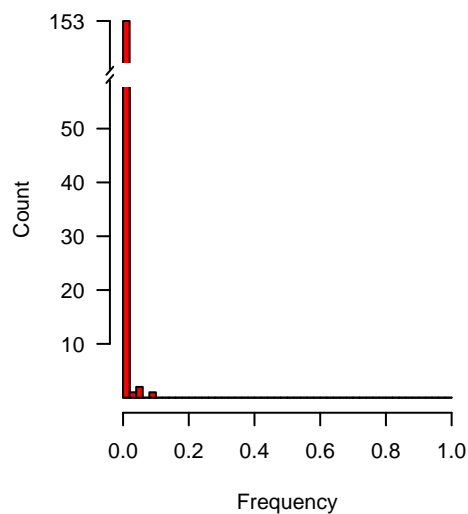
**RT site 3
AA 1**



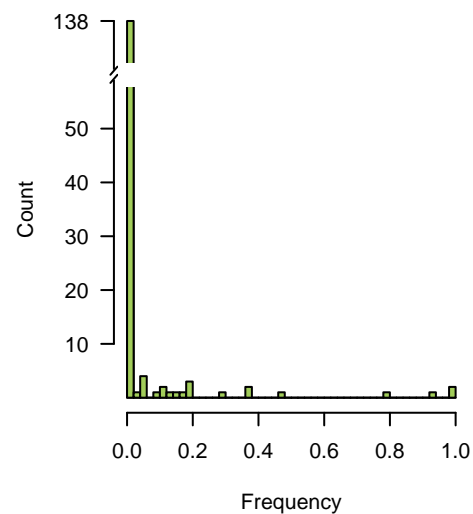
**RT site 4
AA 2**



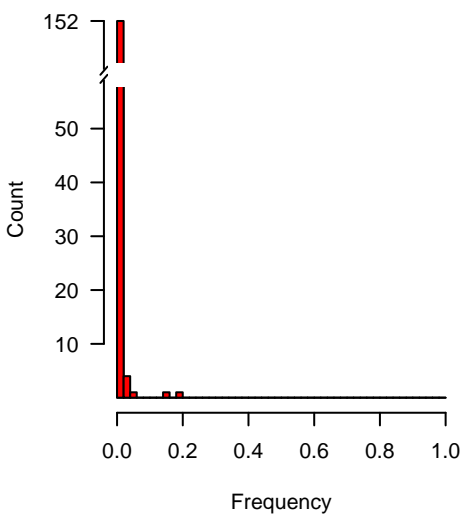
**RT site 5
AA 2**



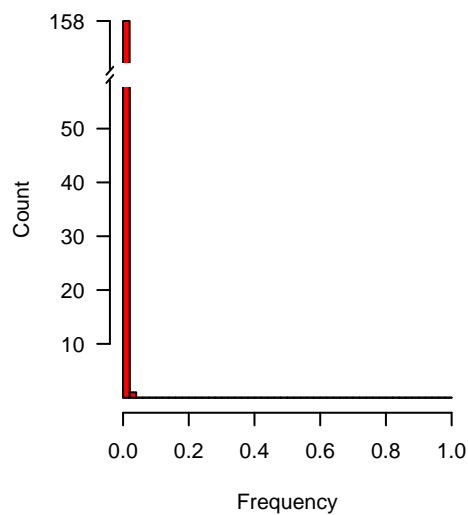
**RT site 6
AA 2**



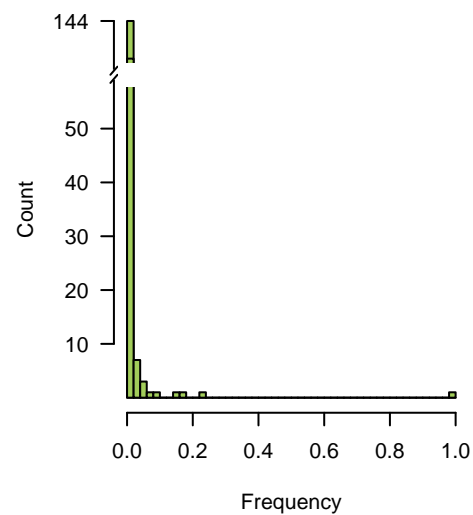
**RT site 7
AA 3**



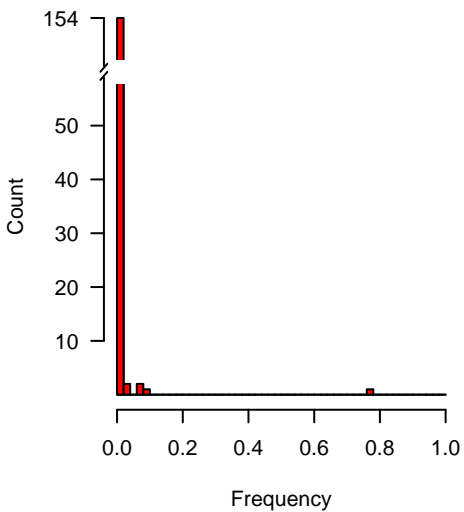
**RT site 8
AA 3**



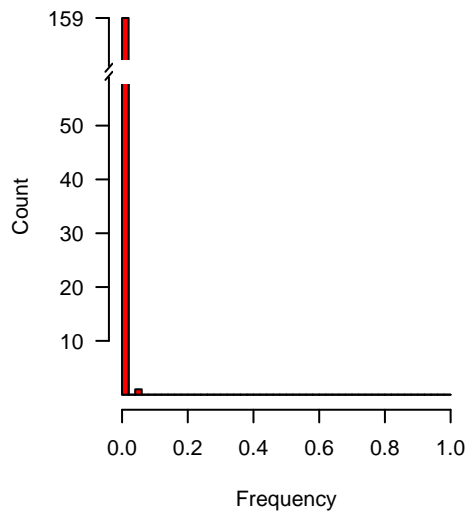
**RT site 9
AA 3**



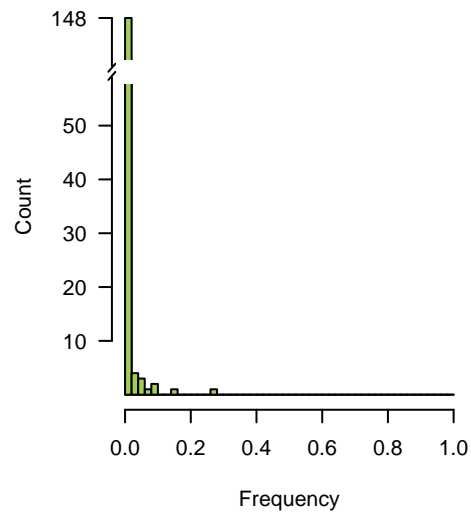
RT site 10
AA 4



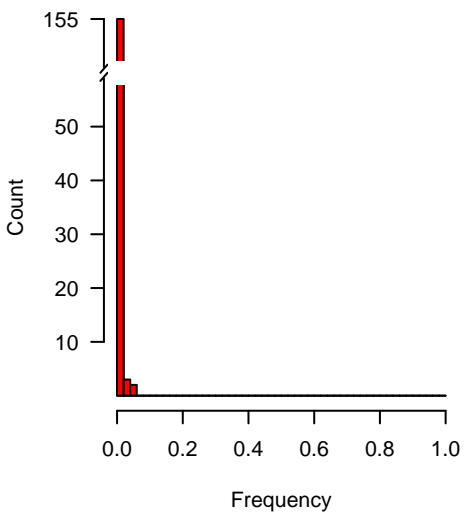
RT site 11
AA 4



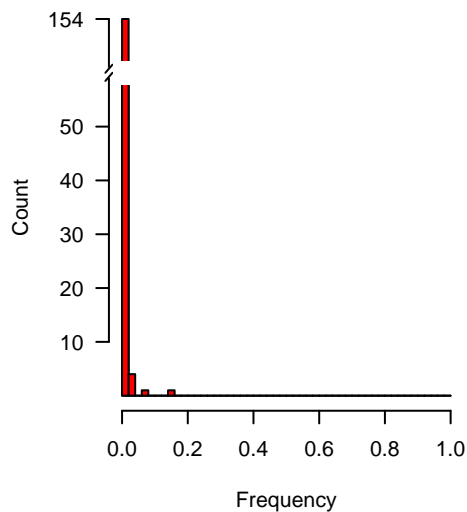
RT site 12
AA 4



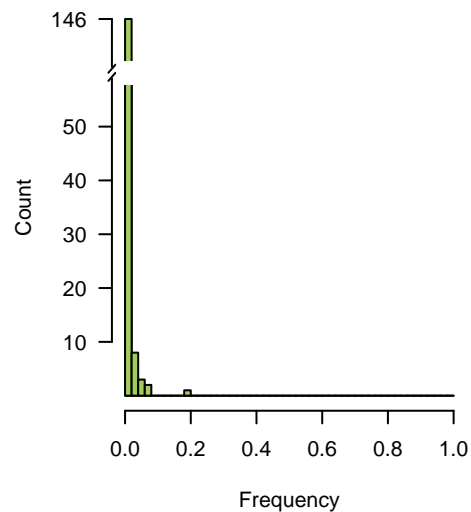
RT site 13
AA 5



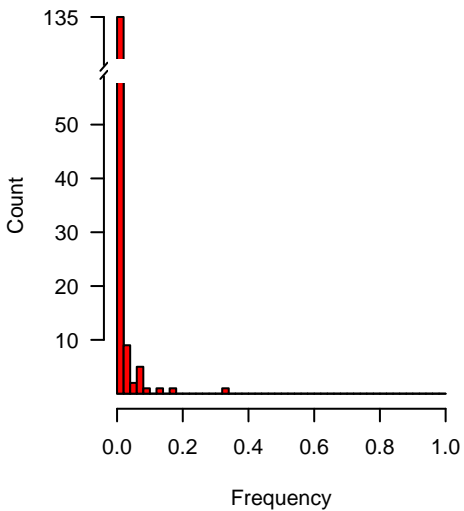
RT site 14
AA 5



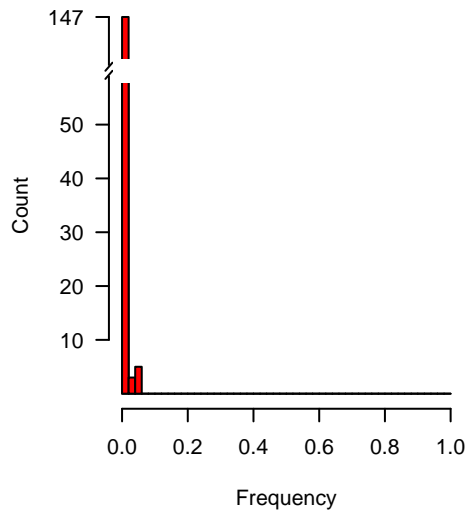
RT site 15
AA 5



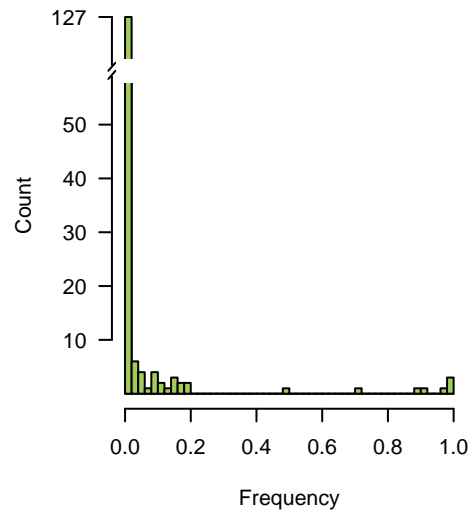
RT site 16
AA 6



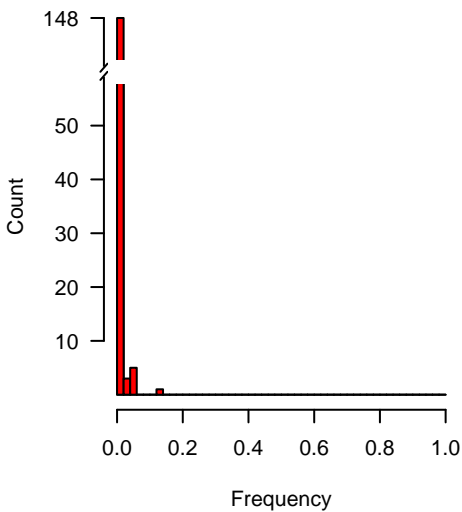
RT site 17
AA 6



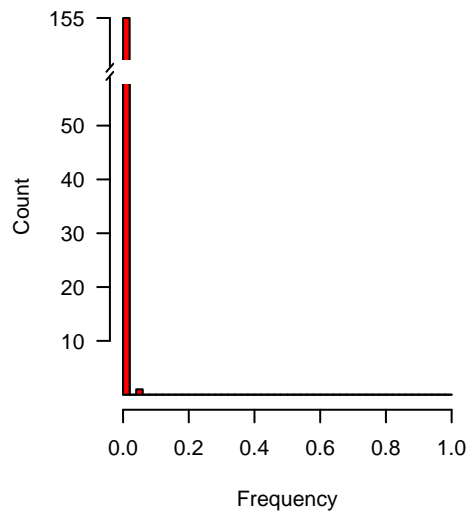
RT site 18
AA 6



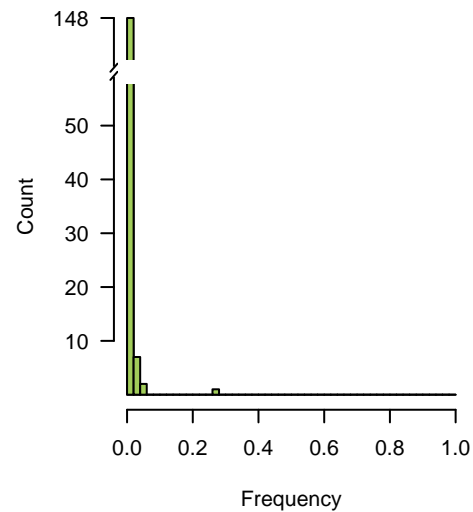
RT site 19
AA 7



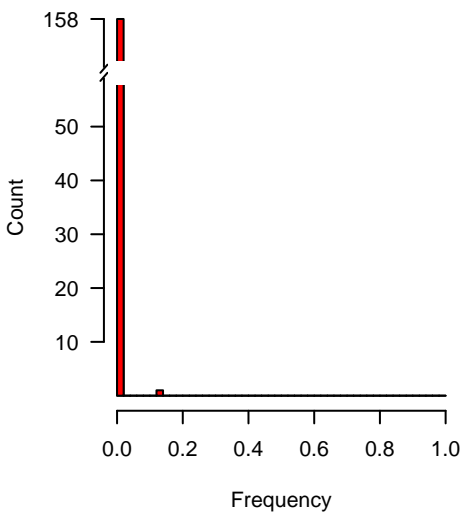
RT site 20
AA 7



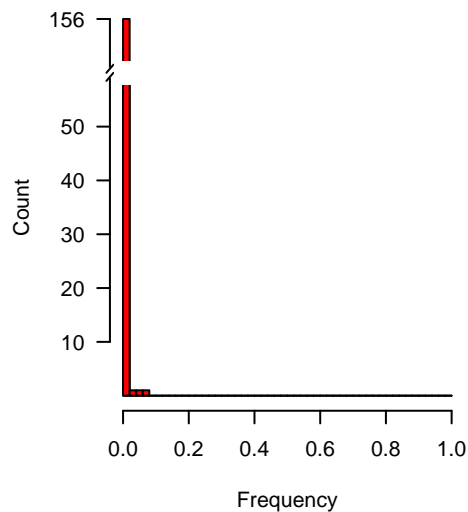
RT site 21
AA 7



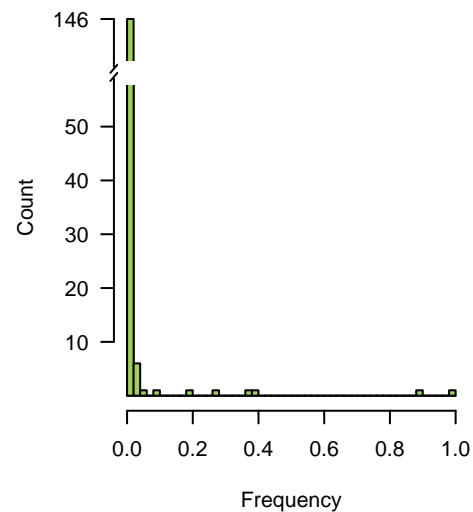
RT site 22
AA 8



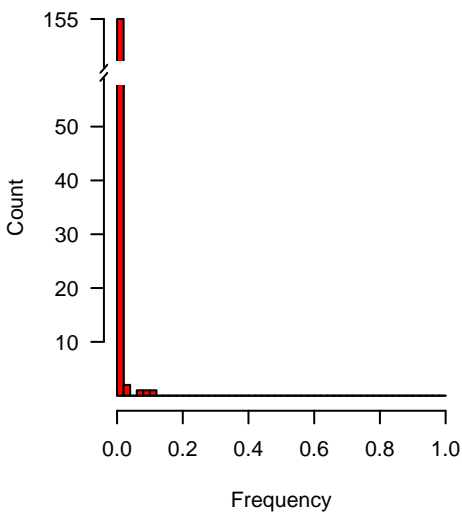
RT site 23
AA 8



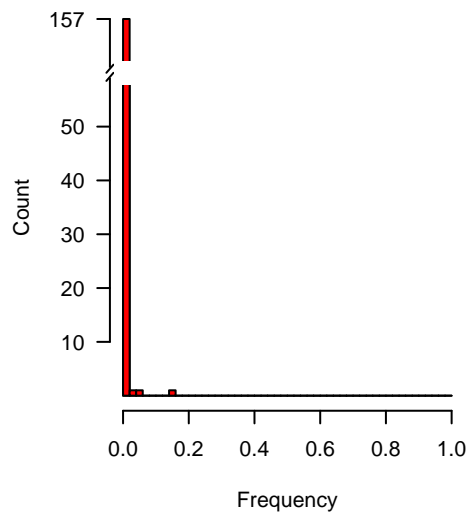
RT site 24
AA 8



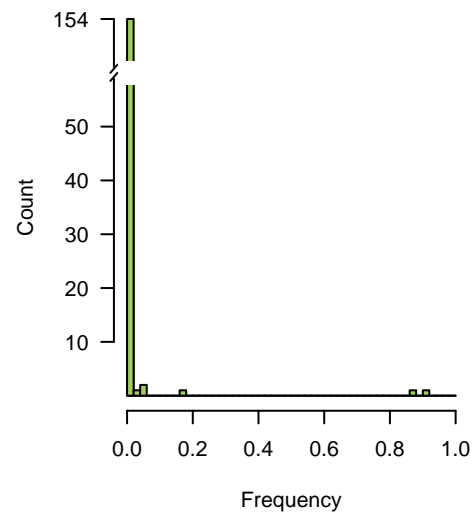
RT site 25
AA 9



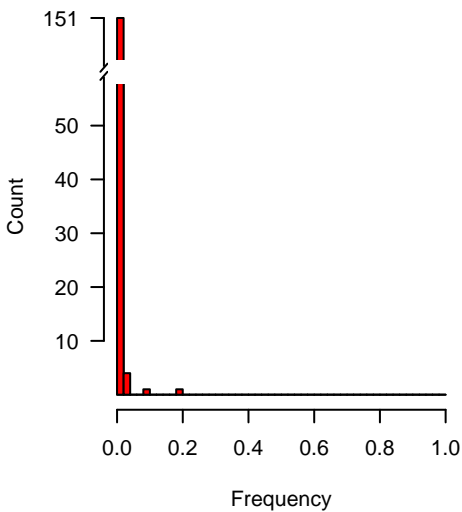
RT site 26
AA 9



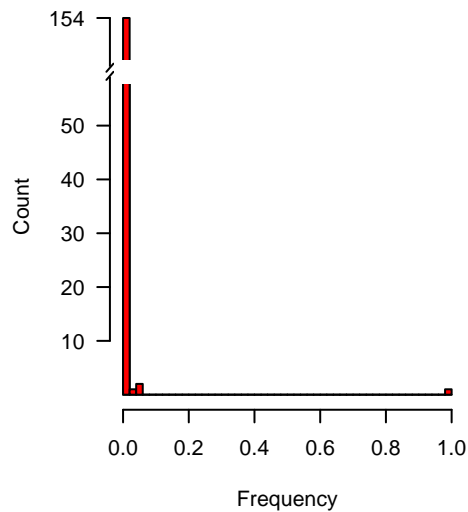
RT site 27
AA 9



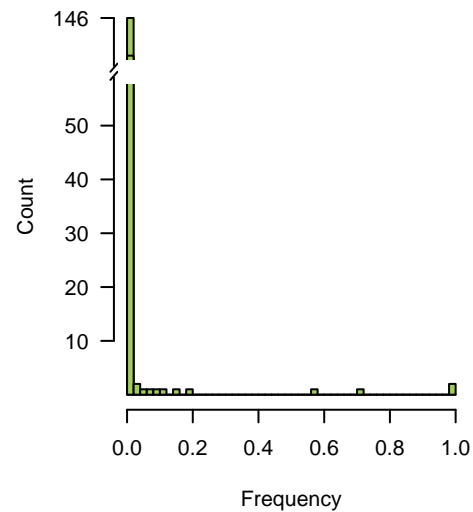
RT site 28
AA 10



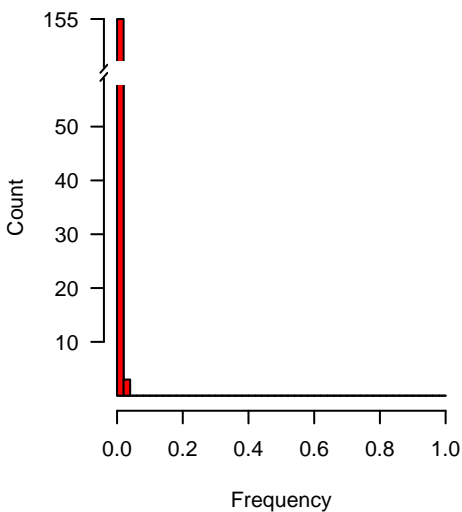
RT site 29
AA 10



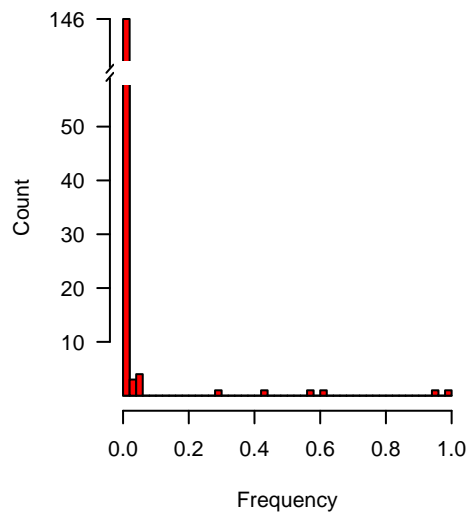
RT site 30
AA 10



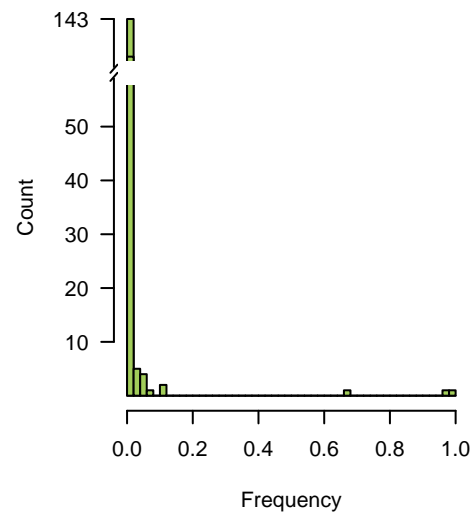
RT site 31
AA 11



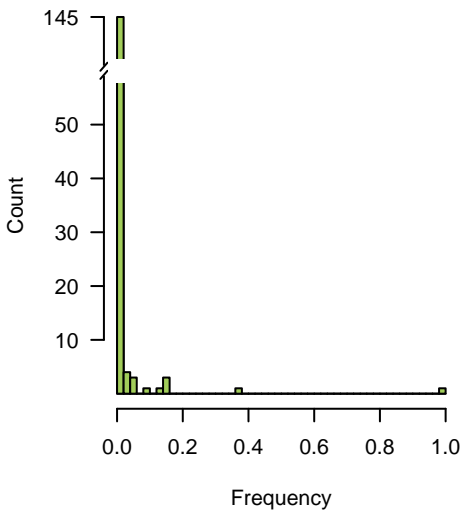
RT site 32
AA 11



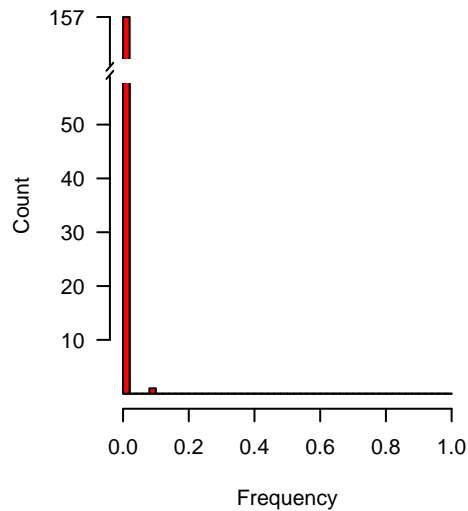
RT site 33
AA 11



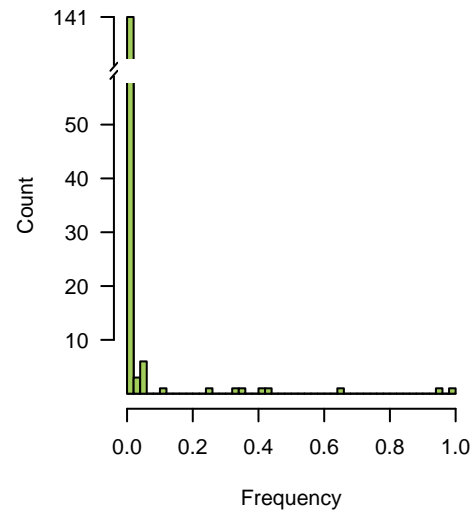
RT site 34
AA 12



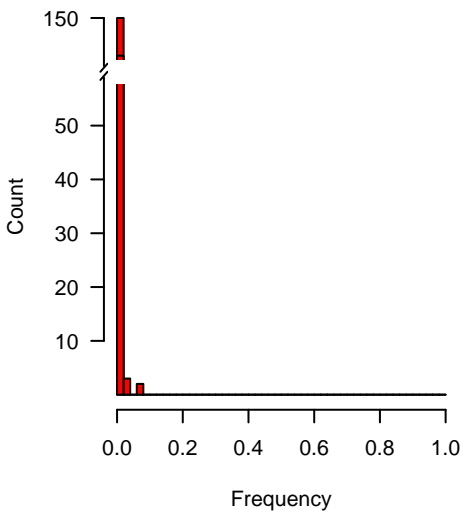
RT site 35
AA 12



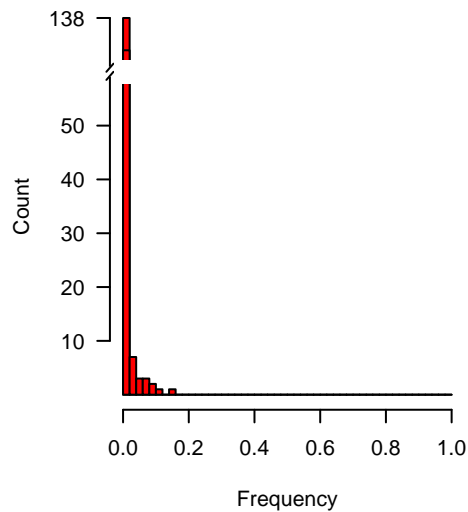
RT site 36
AA 12



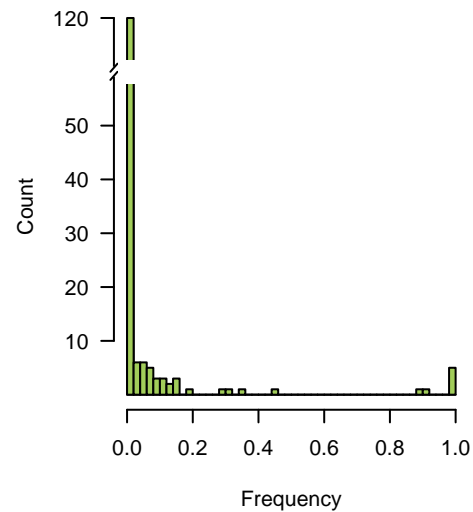
RT site 37
AA 13



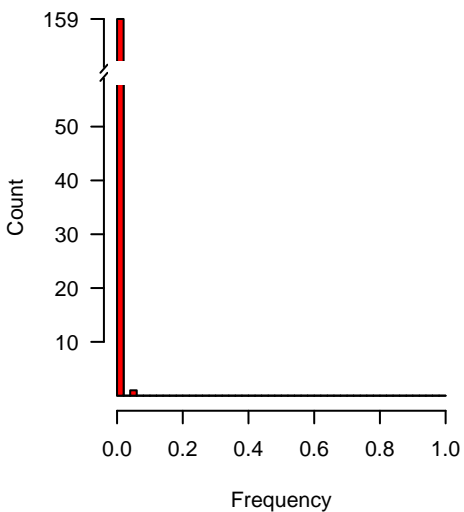
RT site 38
AA 13



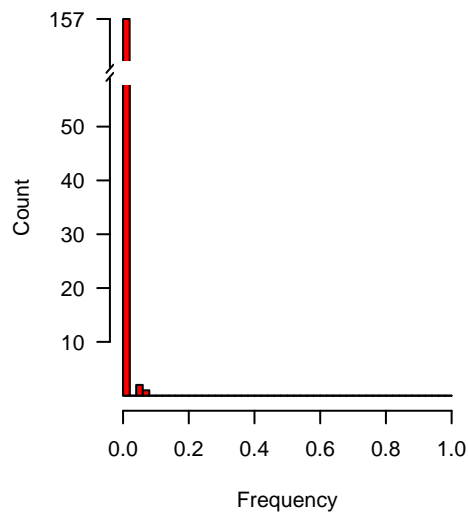
RT site 39
AA 13



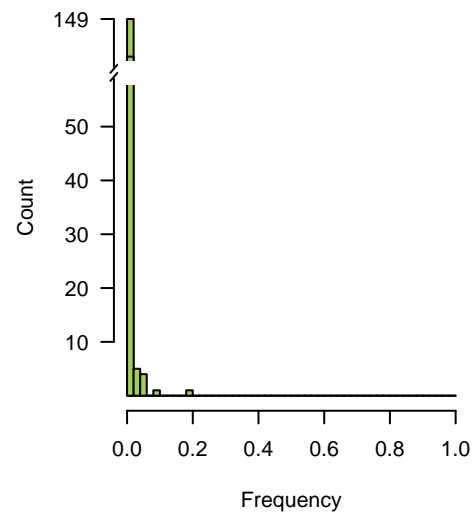
RT site 40
AA 14



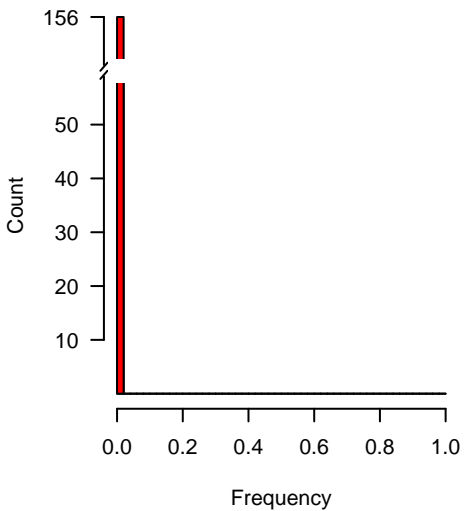
RT site 41
AA 14



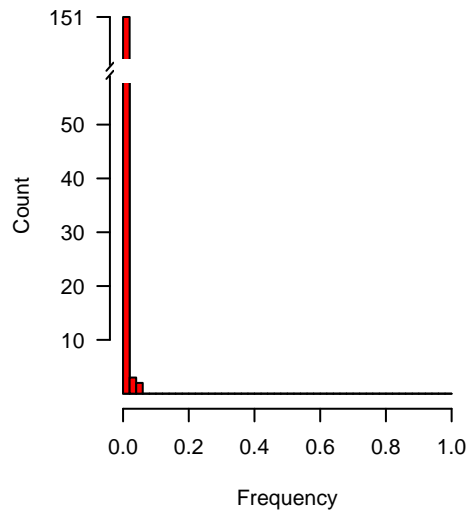
RT site 42
AA 14



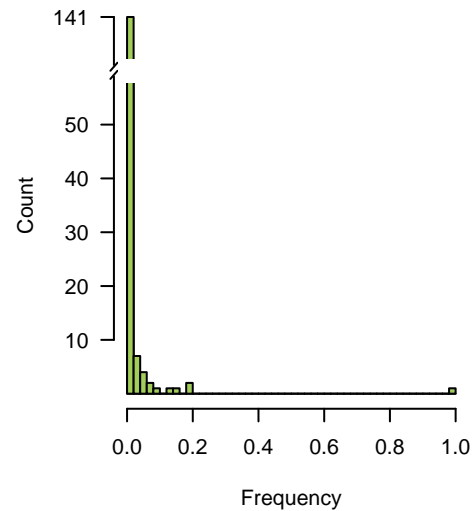
RT site 43
AA 15



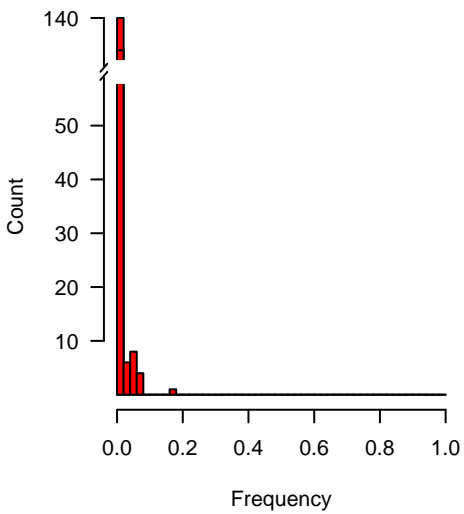
RT site 44
AA 15



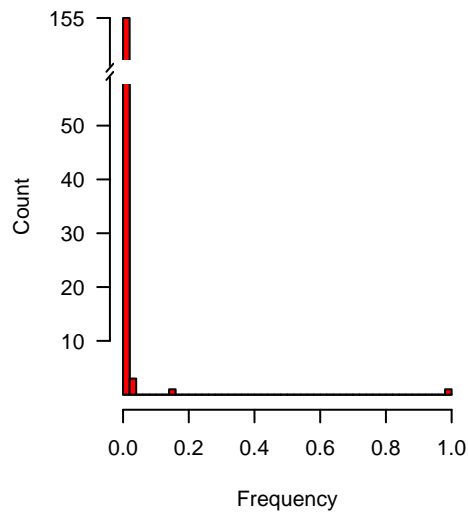
RT site 45
AA 15



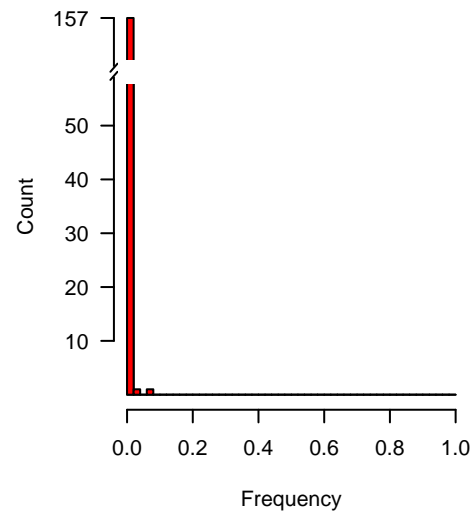
RT site 46
AA 16



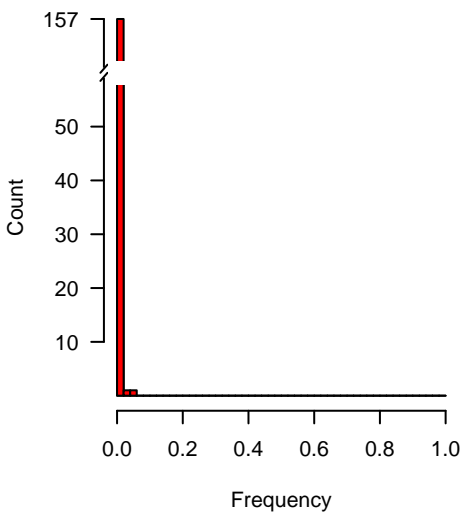
RT site 47
AA 16



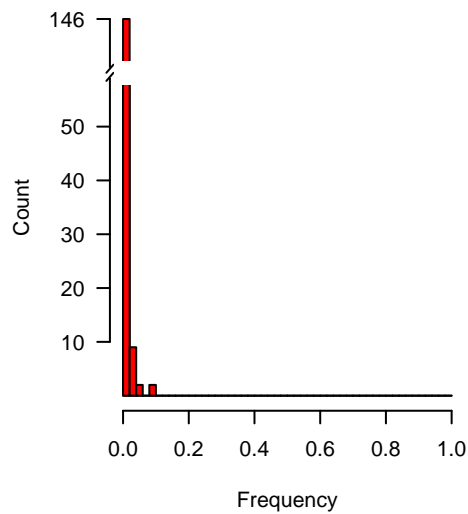
RT site 48
AA 16



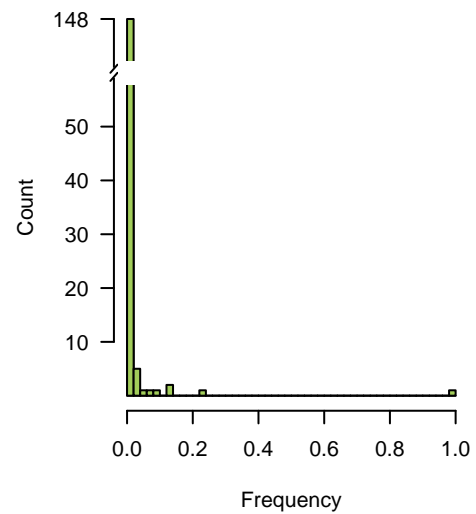
RT site 49
AA 17



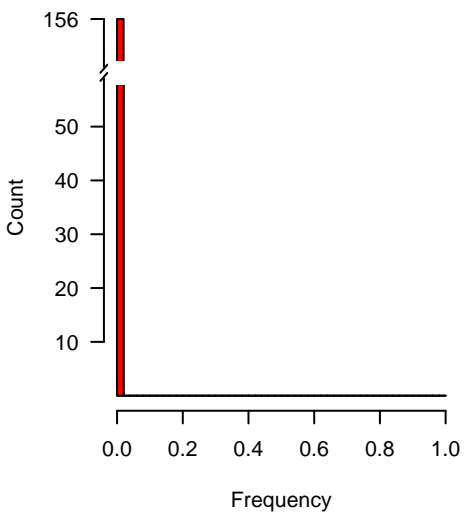
RT site 50
AA 17



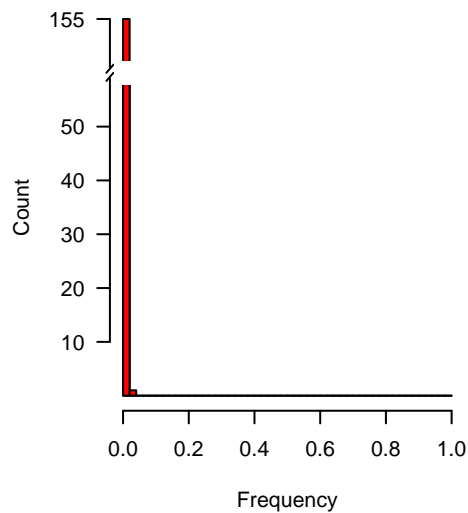
RT site 51
AA 17



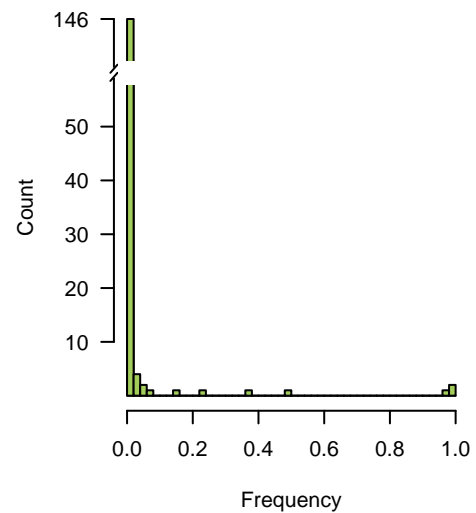
RT site 52
AA 18



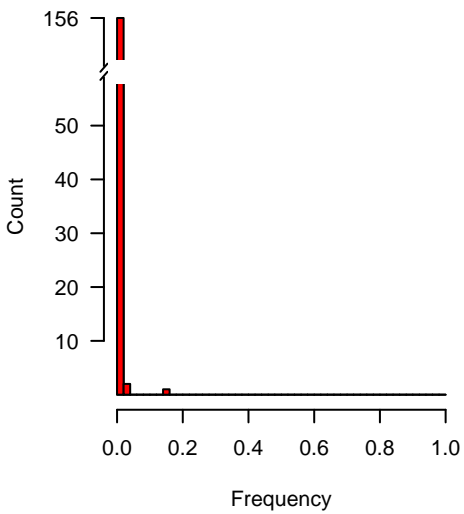
RT site 53
AA 18



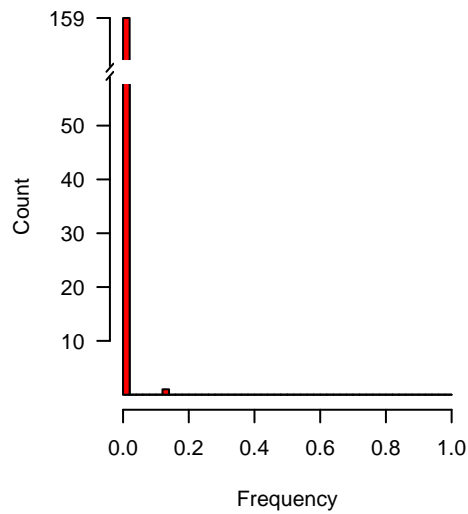
RT site 54
AA 18



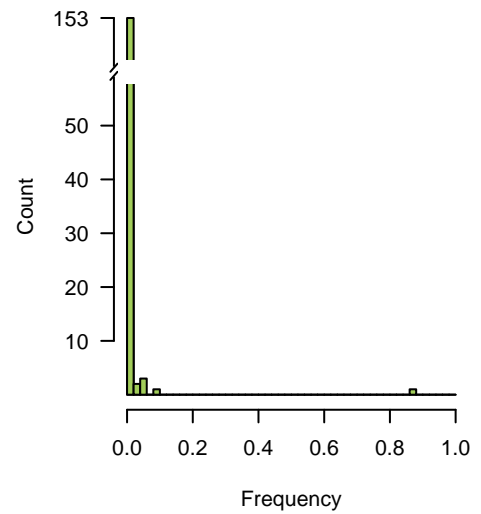
RT site 55
AA 19



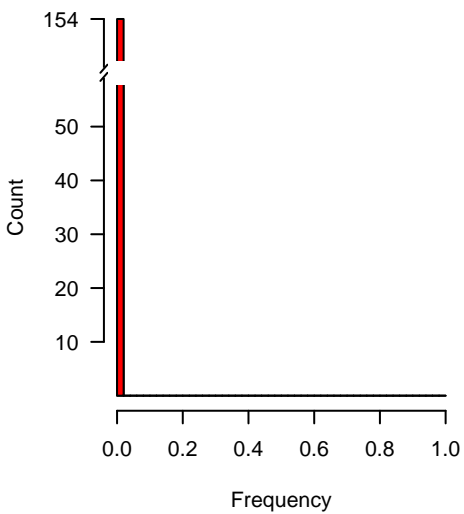
RT site 56
AA 19



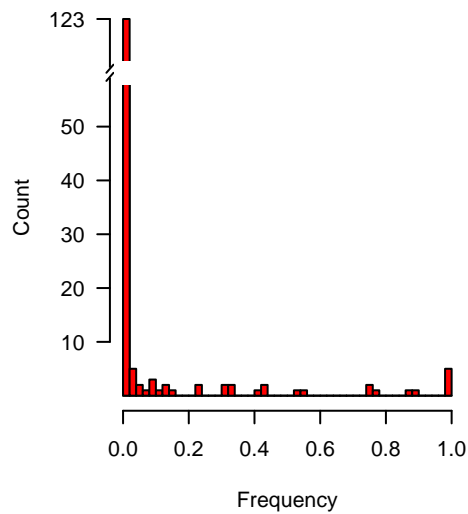
RT site 57
AA 19



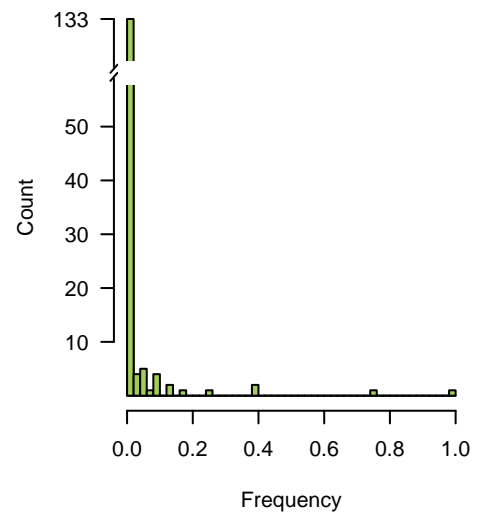
RT site 58
AA 20



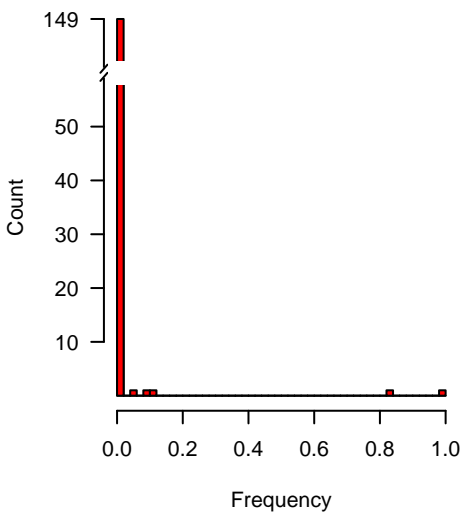
RT site 59
AA 20



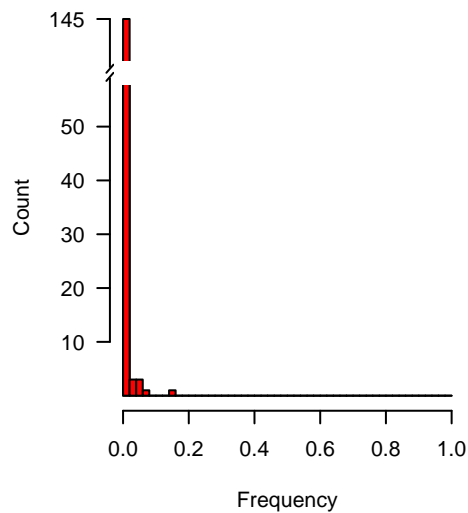
RT site 60
AA 20



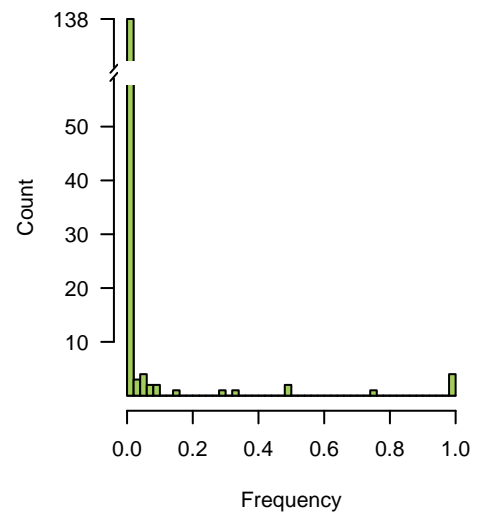
RT site 61
AA 21



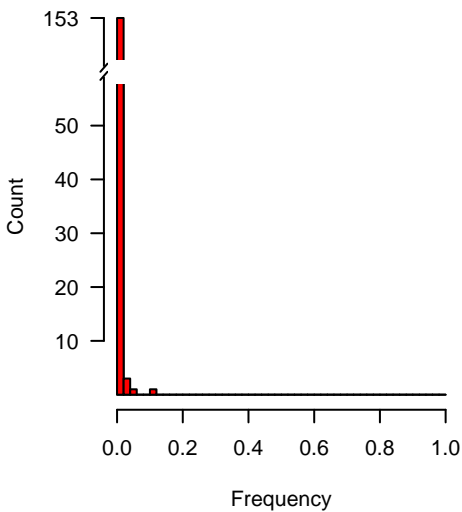
RT site 62
AA 21



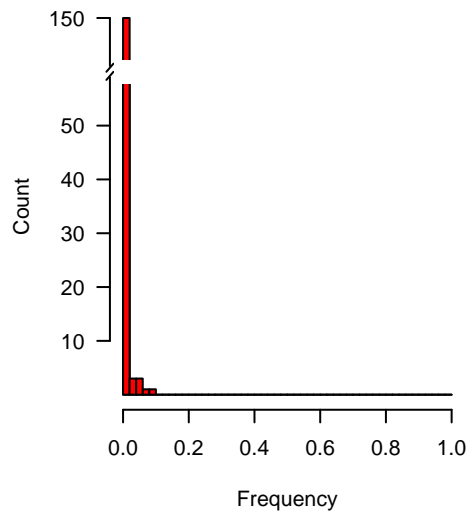
RT site 63
AA 21



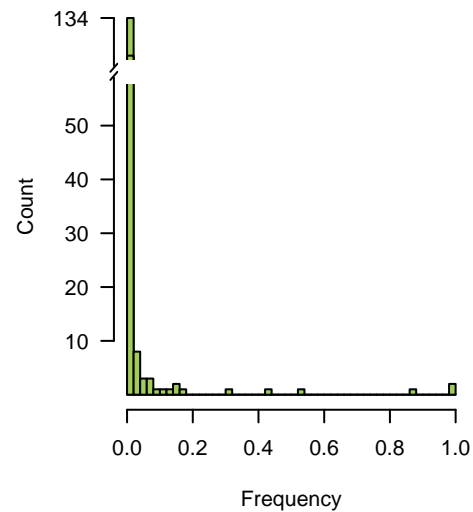
RT site 64
AA 22



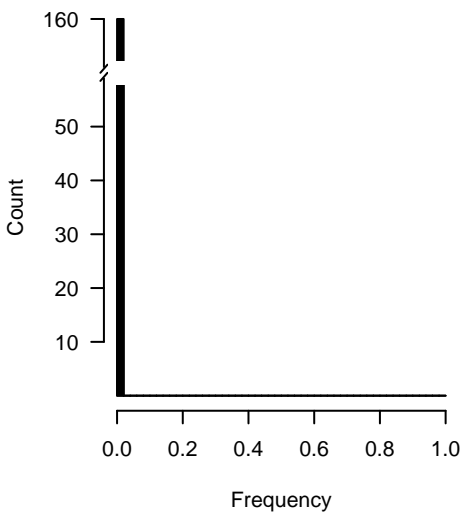
RT site 65
AA 22



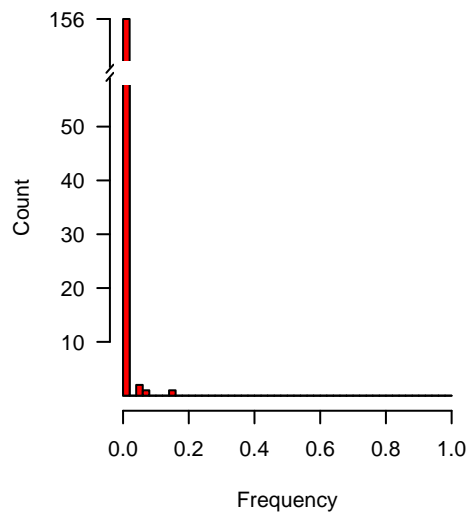
RT site 66
AA 22



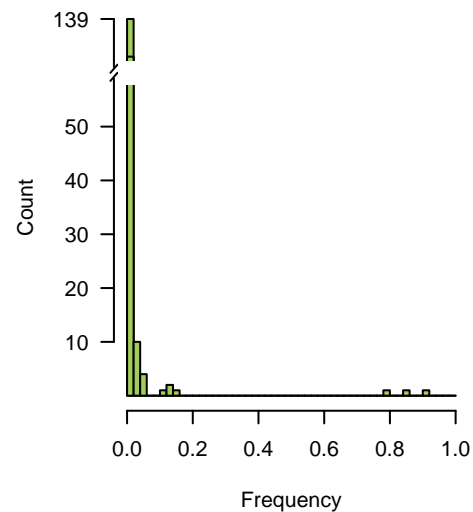
RT site 67
AA 23



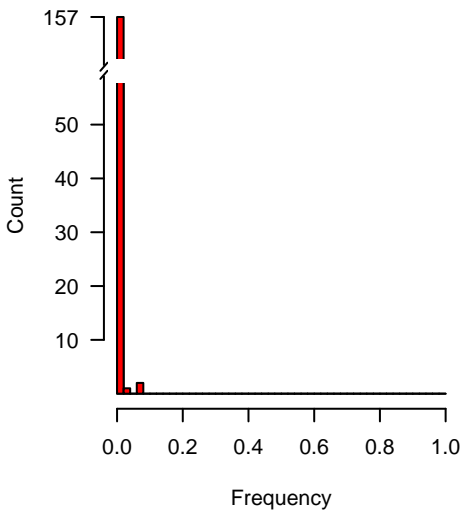
RT site 68
AA 23



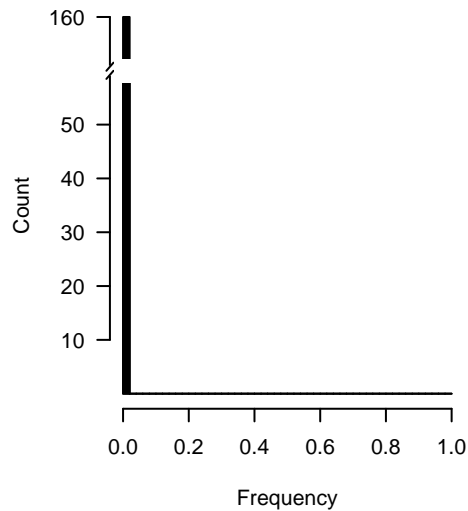
RT site 69
AA 23



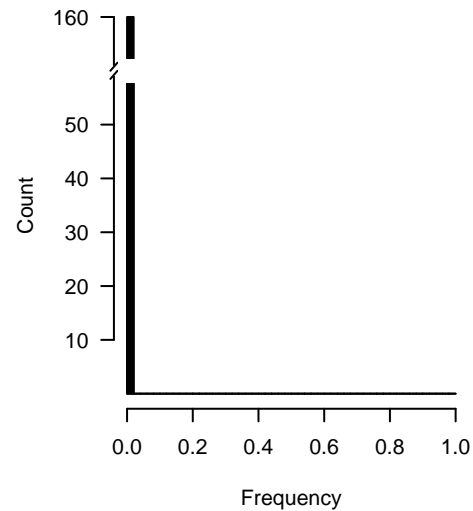
RT site 70
AA 24



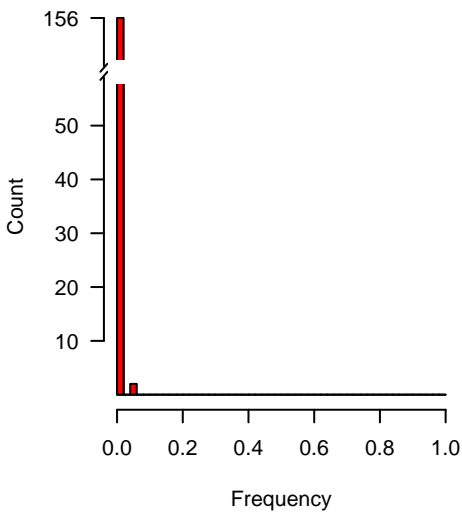
RT site 71
AA 24



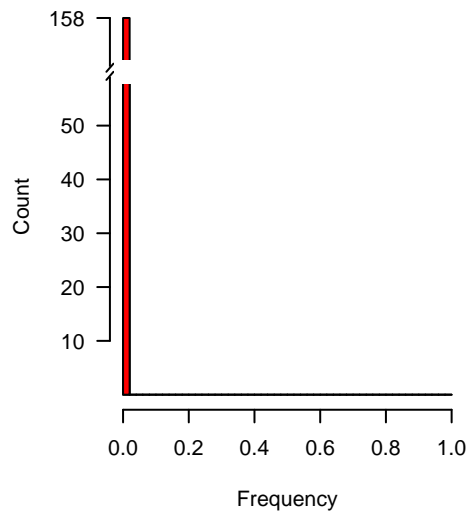
RT site 72
AA 24



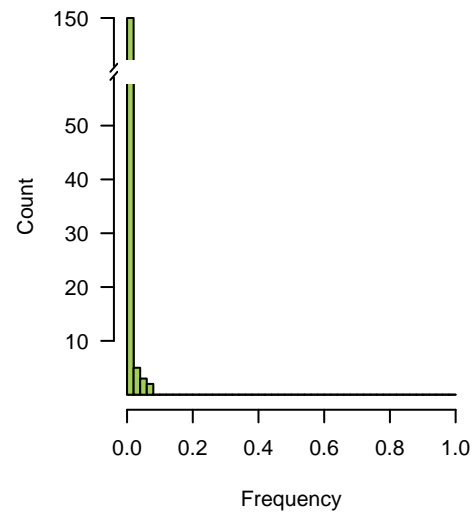
RT site 73
AA 25



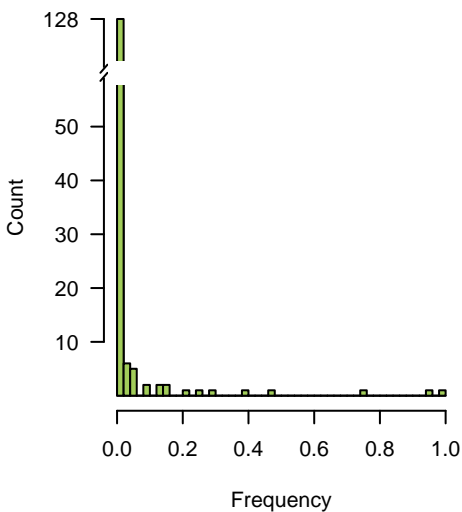
RT site 74
AA 25



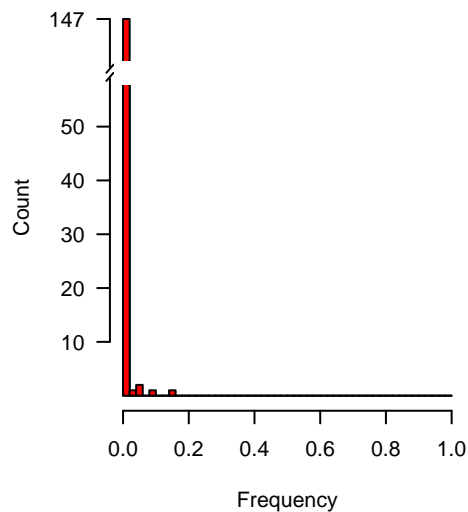
RT site 75
AA 25



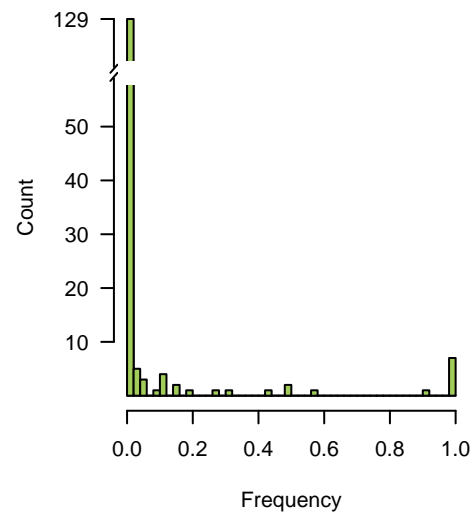
RT site 76
AA 26



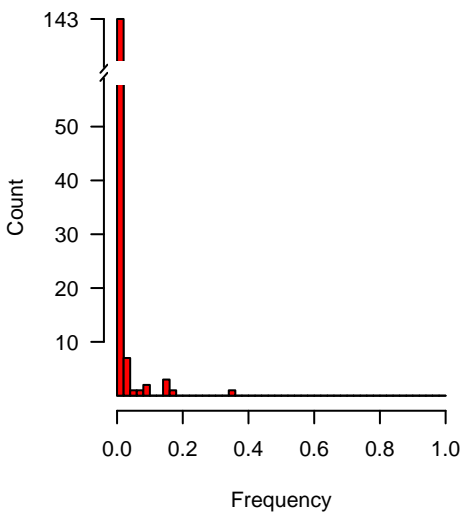
RT site 77
AA 26



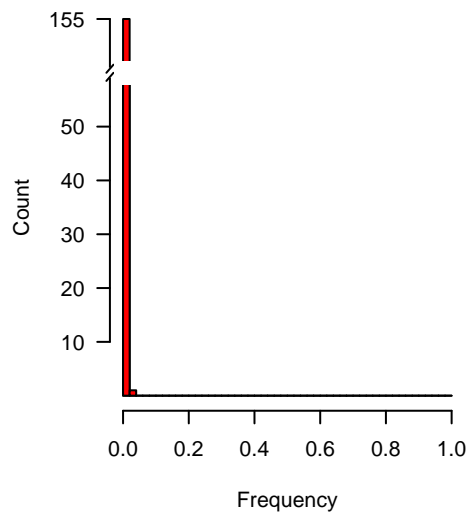
RT site 78
AA 26



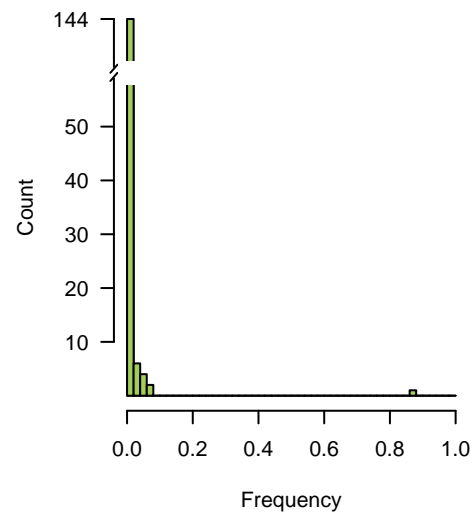
RT site 79
AA 27



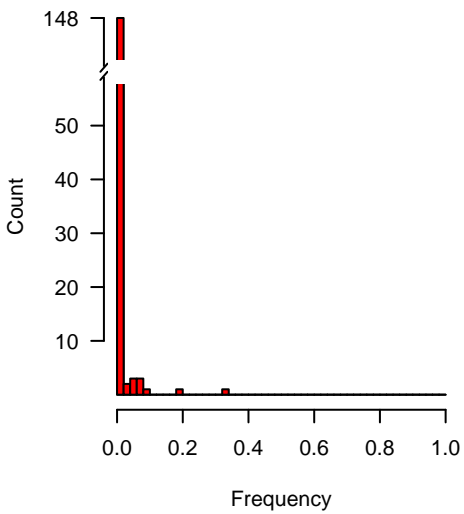
RT site 80
AA 27



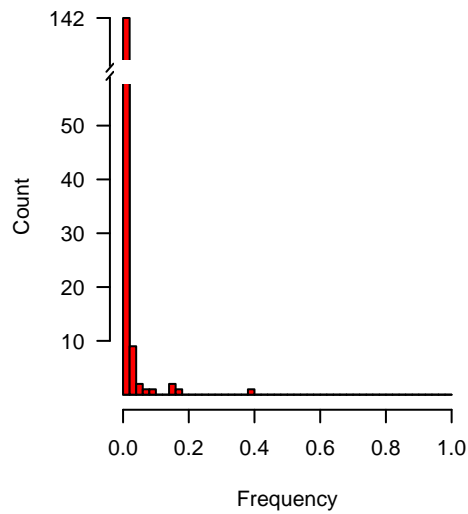
RT site 81
AA 27



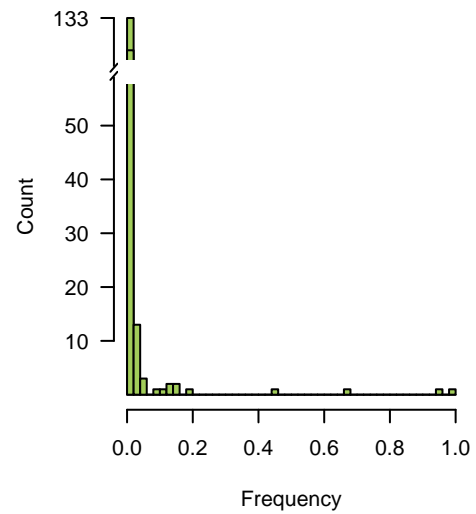
RT site 82
AA 28



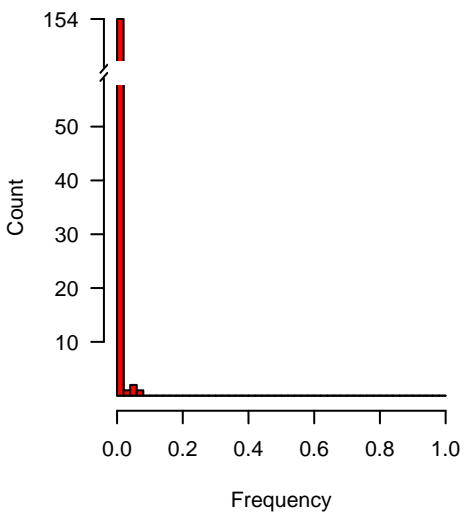
RT site 83
AA 28



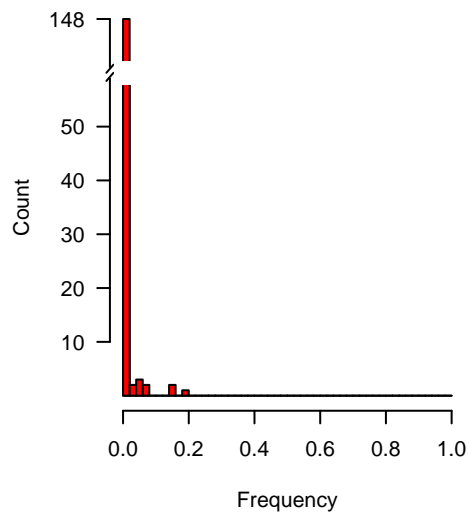
RT site 84
AA 28



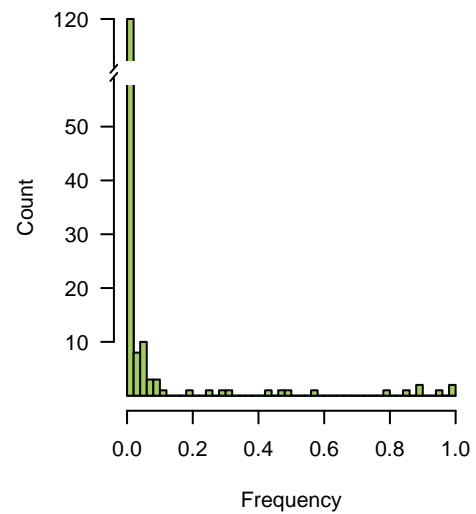
RT site 85
AA 29



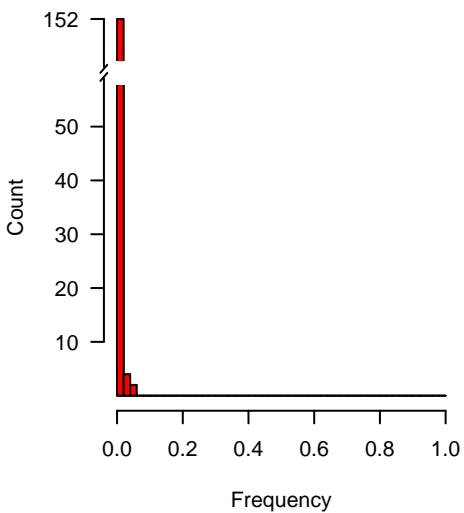
RT site 86
AA 29



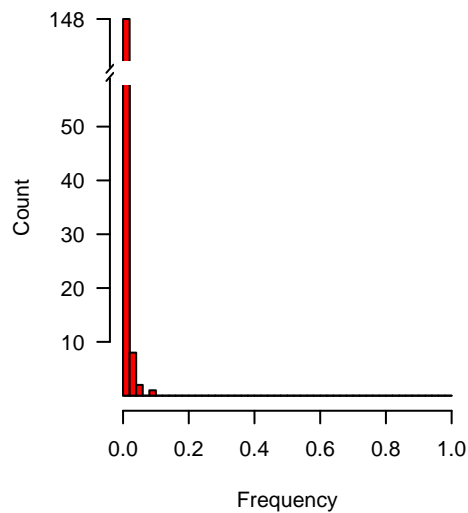
RT site 87
AA 29



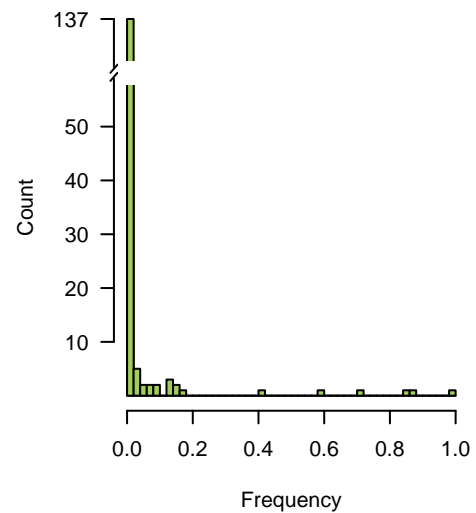
RT site 88
AA 30



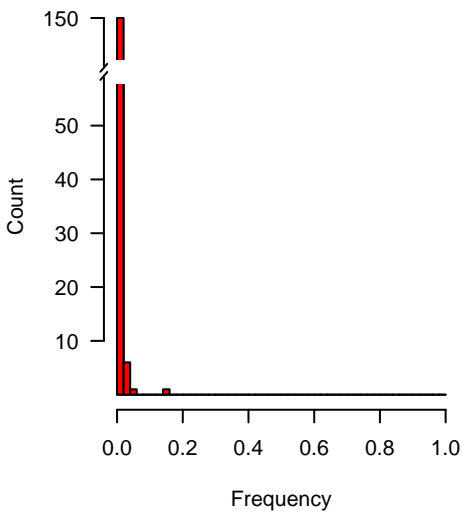
RT site 89
AA 30



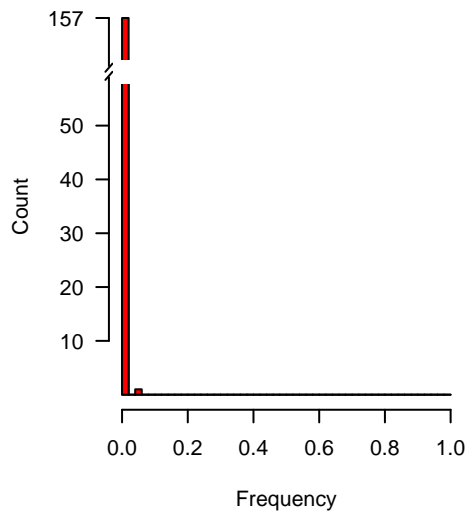
RT site 90
AA 30



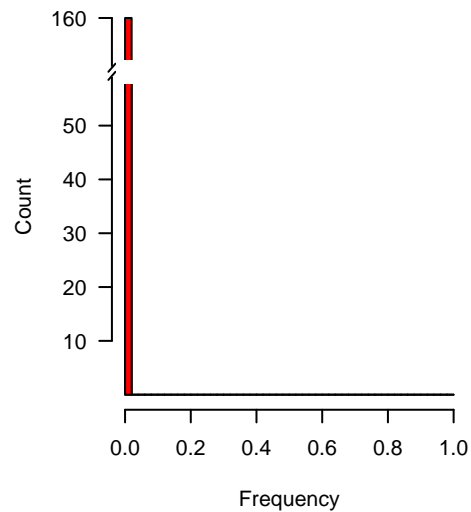
RT site 91
AA 31



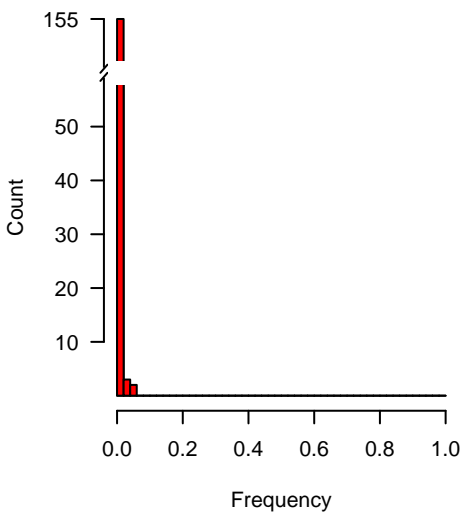
RT site 92
AA 31



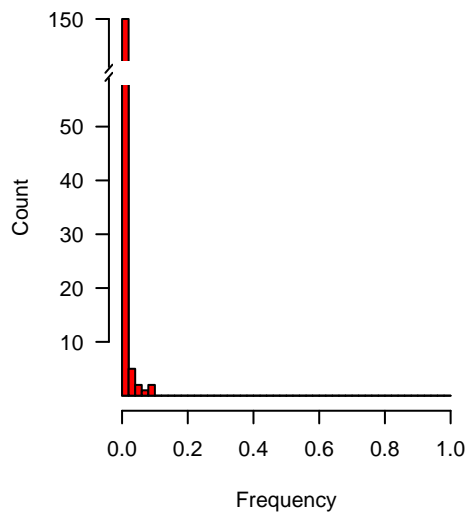
RT site 93
AA 31



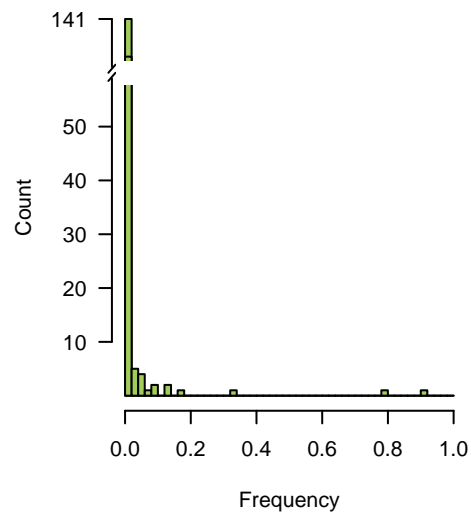
RT site 94
AA 32



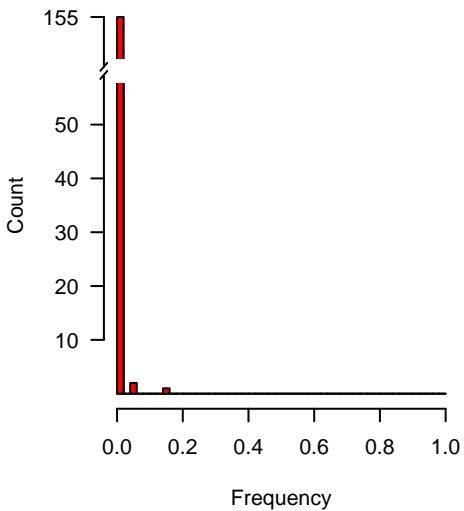
RT site 95
AA 32



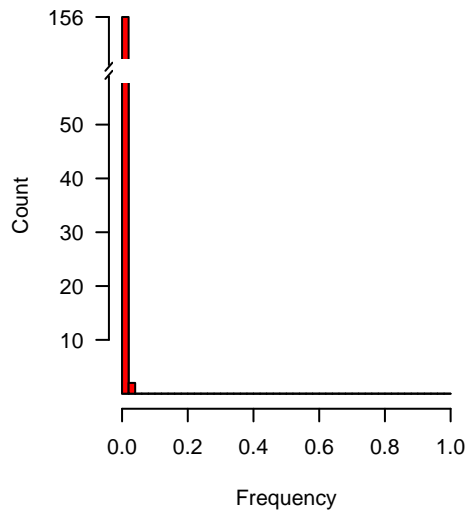
RT site 96
AA 32



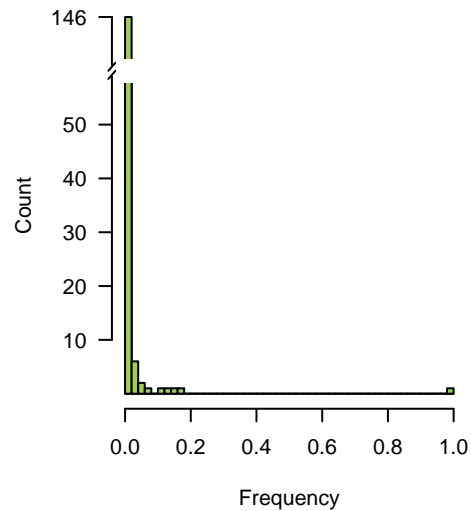
RT site 97
AA 33



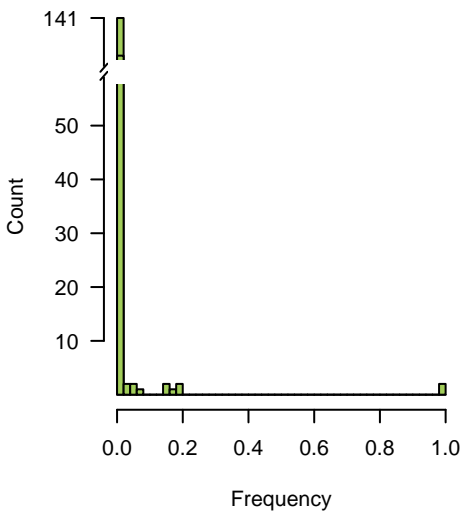
RT site 98
AA 33



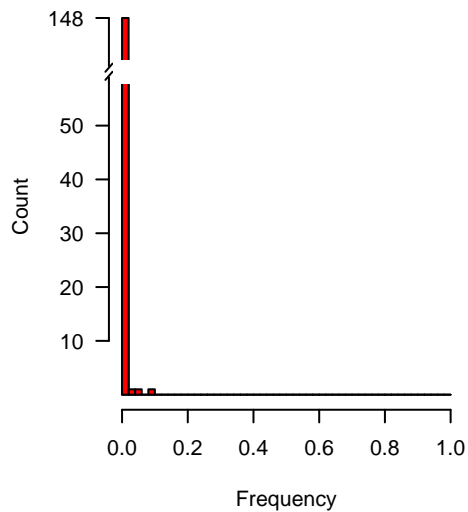
RT site 99
AA 33



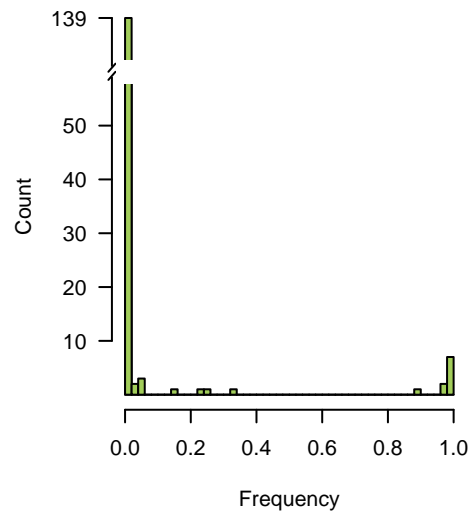
**RT site 100
AA 34**



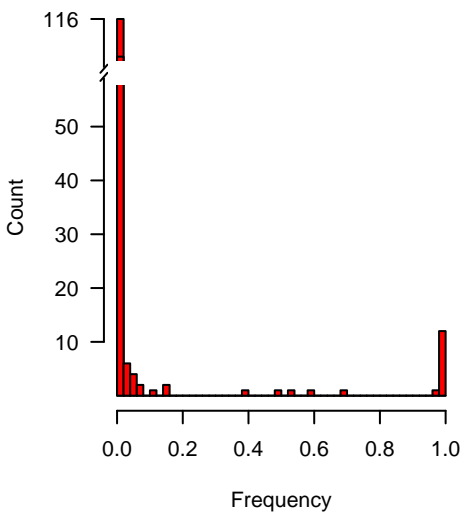
**RT site 101
AA 34**



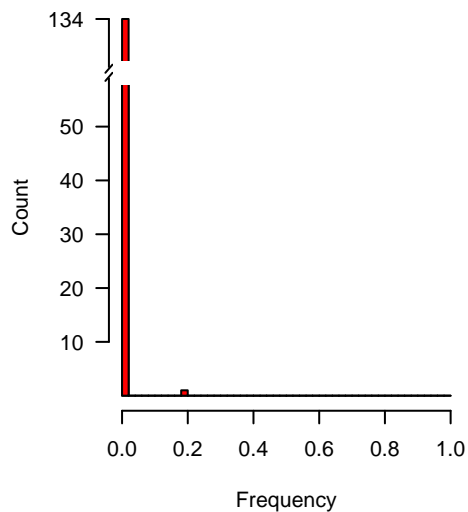
**RT site 102
AA 34**



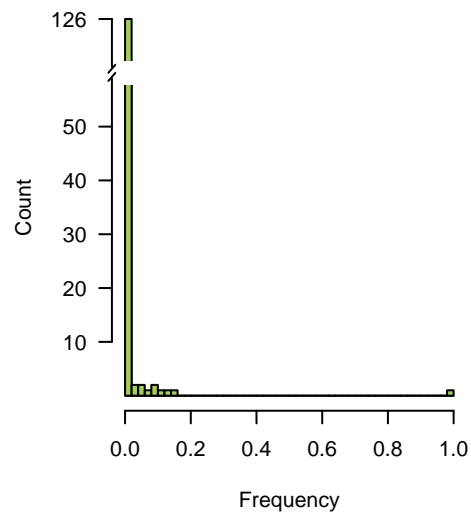
**RT site 103
AA 35 (site excluded)**



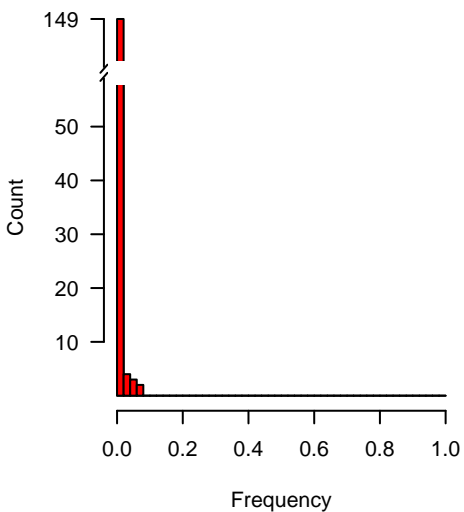
**RT site 104
AA 35**



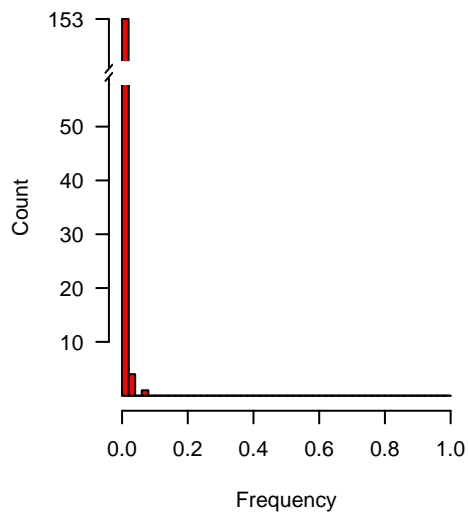
**RT site 105
AA 35**



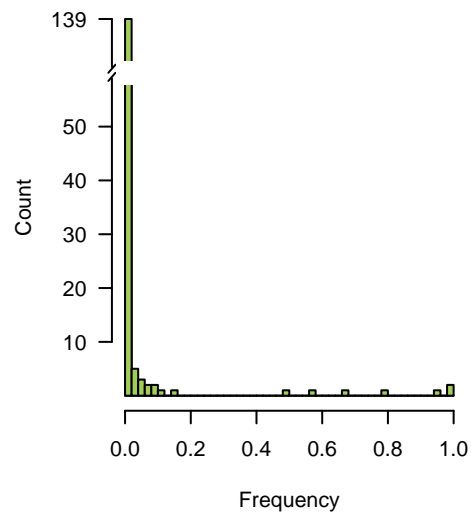
**RT site 106
AA 36**



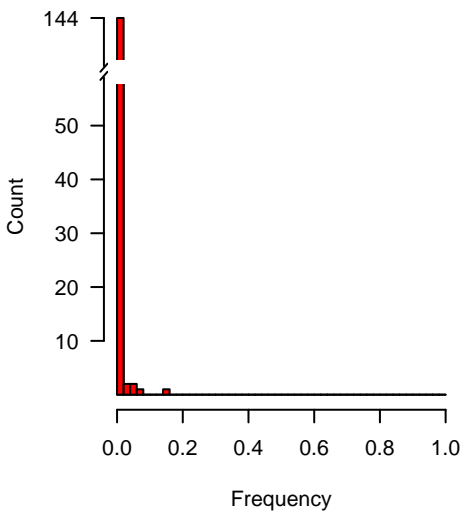
**RT site 107
AA 36**



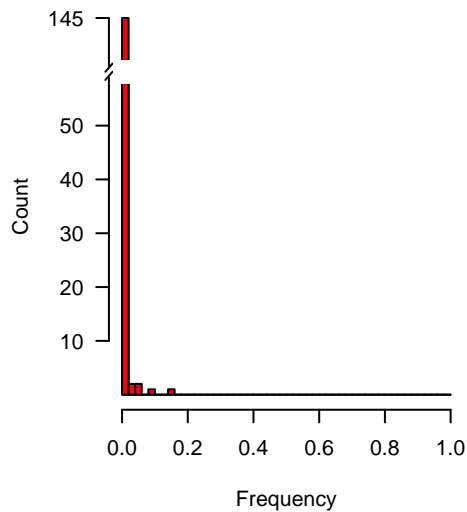
**RT site 108
AA 36**



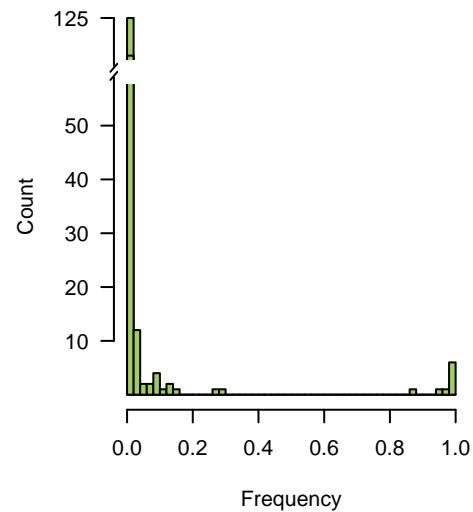
RT site 109
AA 37



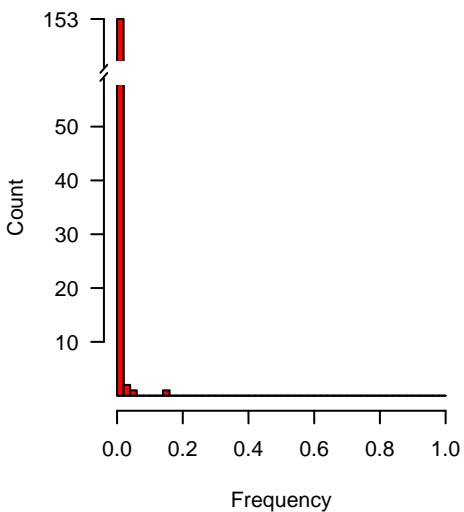
RT site 110
AA 37



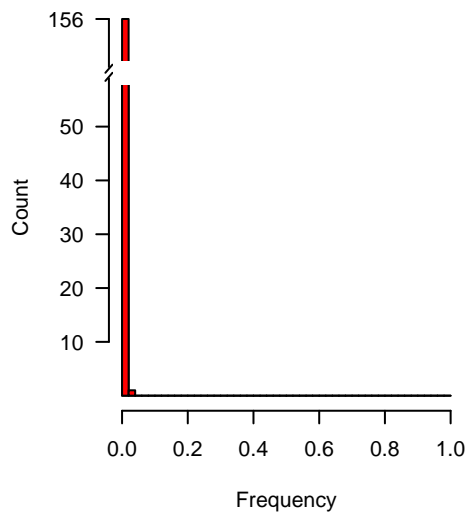
RT site 111
AA 37



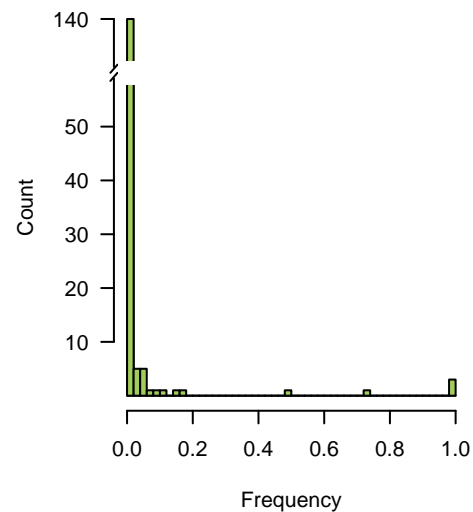
RT site 112
AA 38



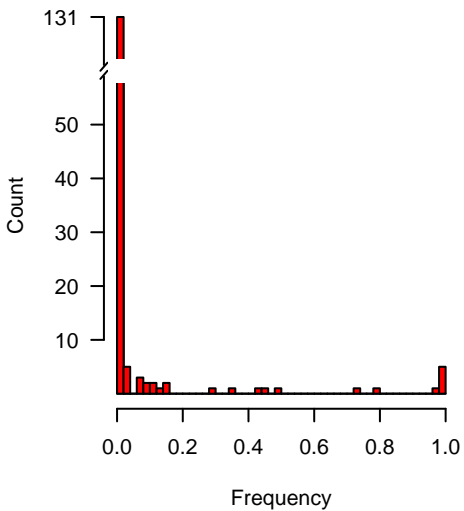
RT site 113
AA 38



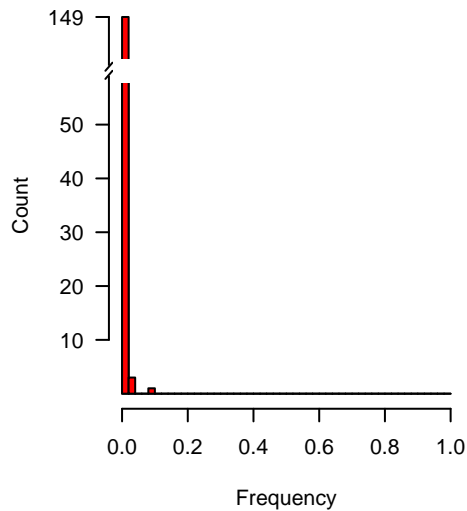
RT site 114
AA 38



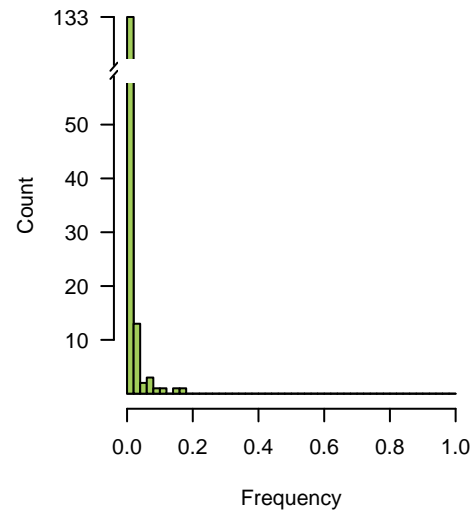
RT site 115
AA 39



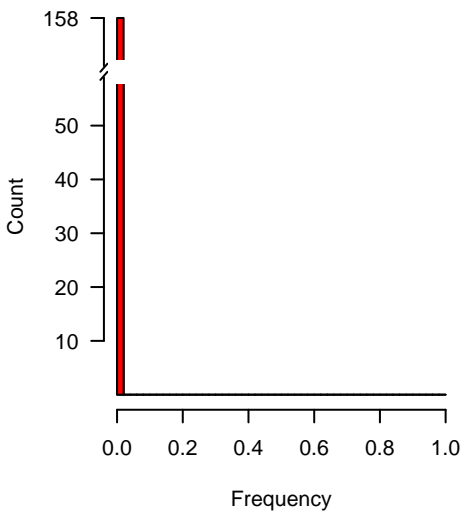
RT site 116
AA 39



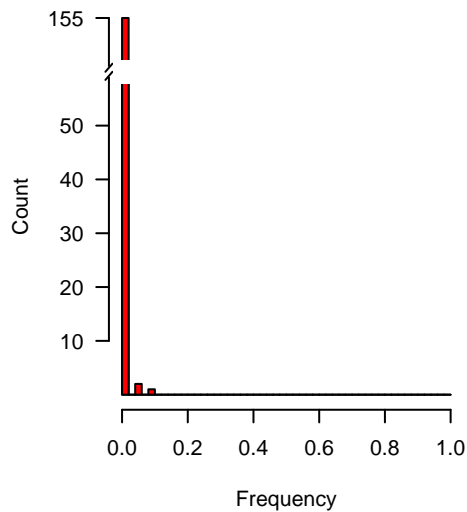
RT site 117
AA 39



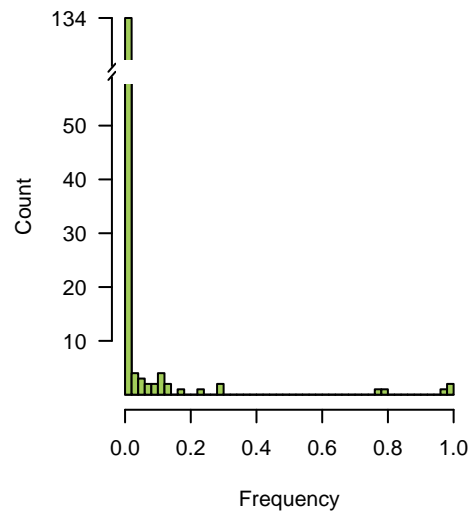
**RT site 118
AA 40**



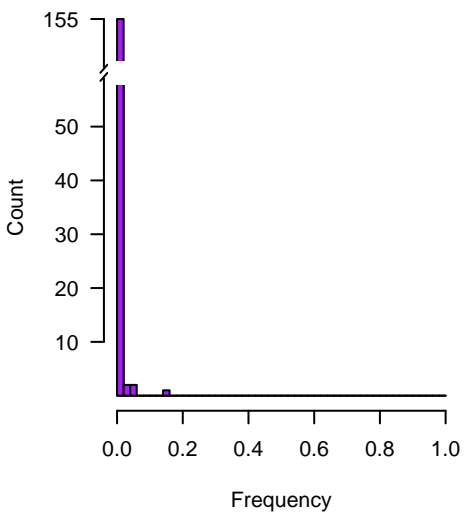
**RT site 119
AA 40**



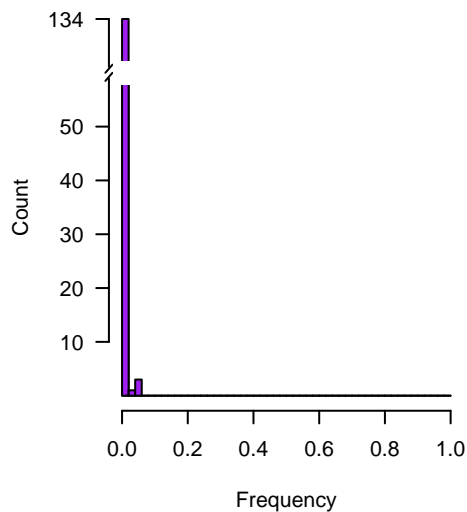
**RT site 120
AA 40**



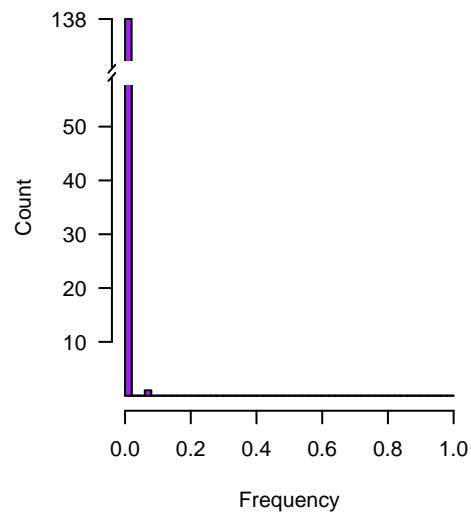
**RT site 121
AA 41 (site excluded)
resistance codon, excluded**



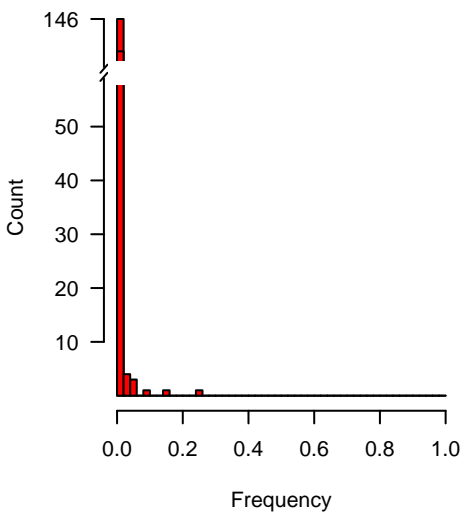
**RT site 122
AA 41
resistance codon, excluded**



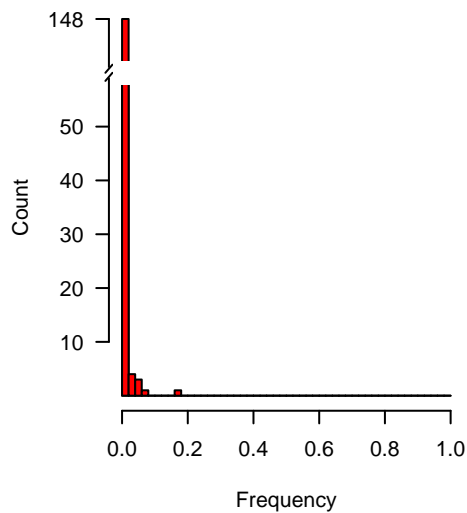
**RT site 123
AA 41
resistance codon, excluded**



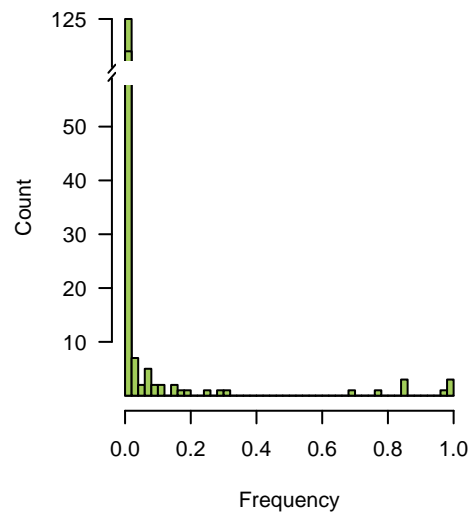
**RT site 124
AA 42**



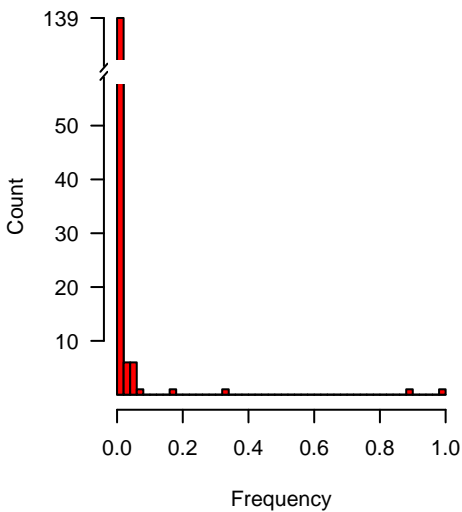
**RT site 125
AA 42**



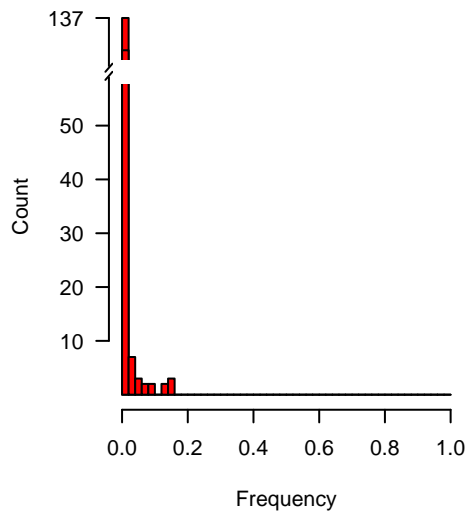
**RT site 126
AA 42**



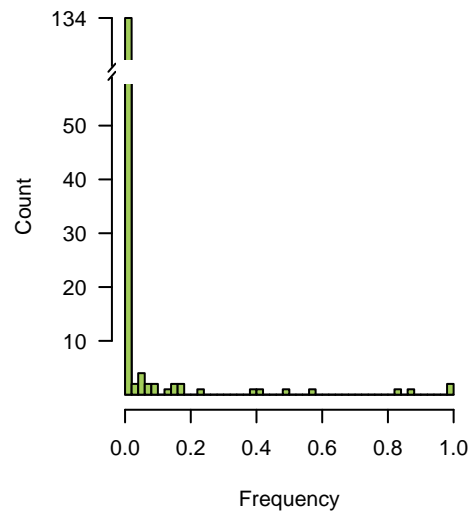
**RT site 127
AA 43**



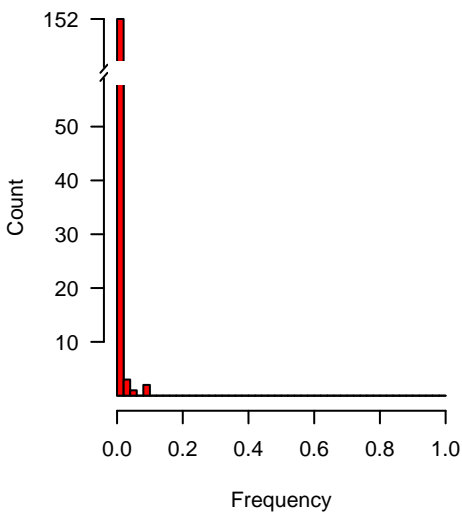
**RT site 128
AA 43**



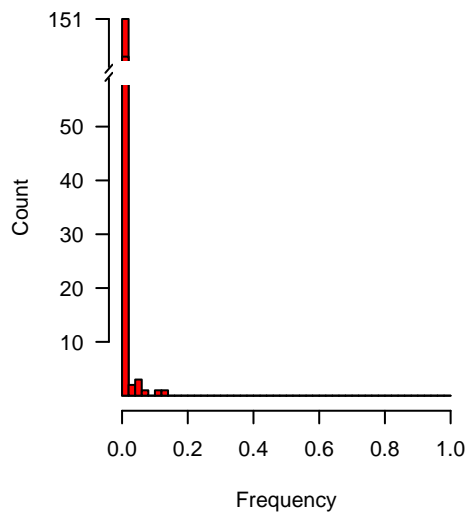
**RT site 129
AA 43**



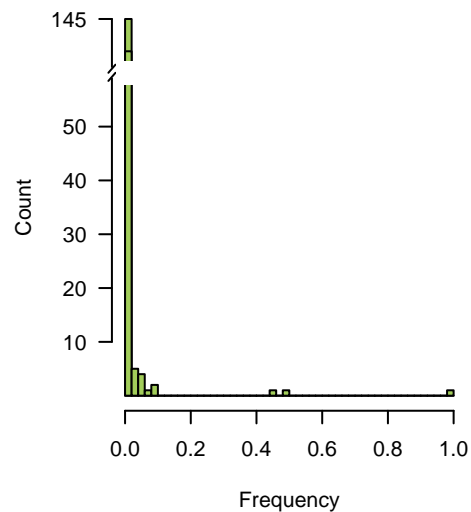
**RT site 130
AA 44**



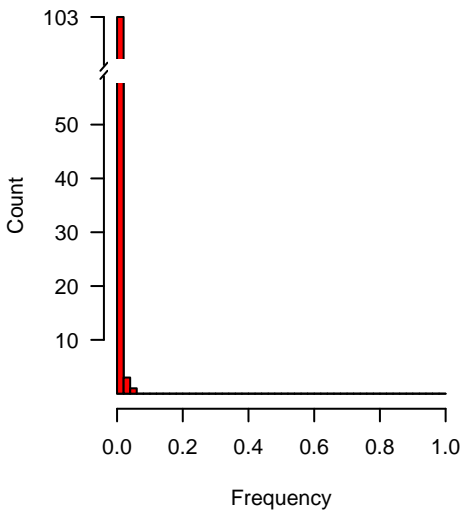
**RT site 131
AA 44**



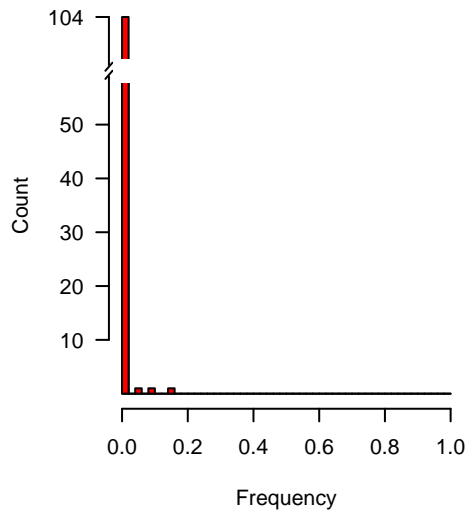
**RT site 132
AA 44**



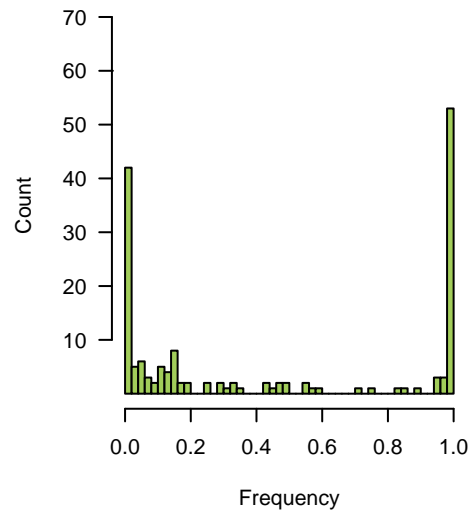
**RT site 133
AA 45**



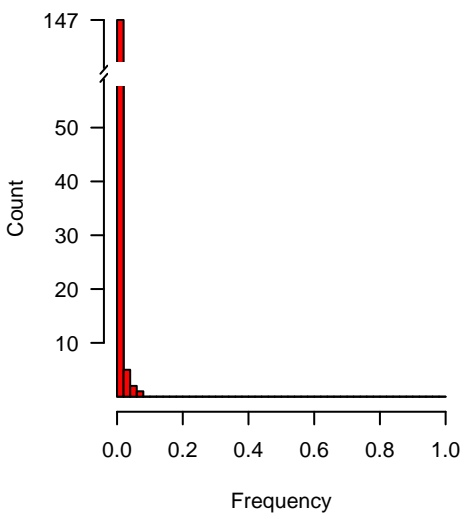
**RT site 134
AA 45**



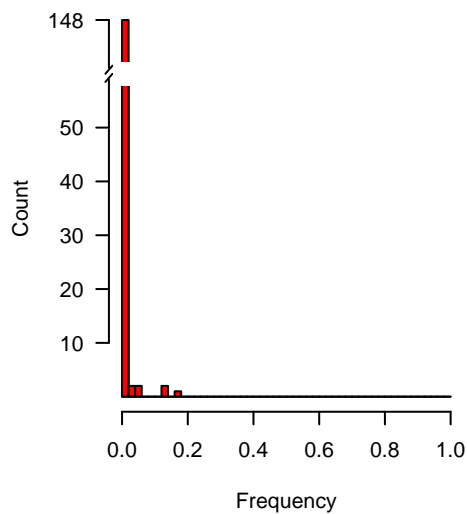
**RT site 135
AA 45 (site excluded)**



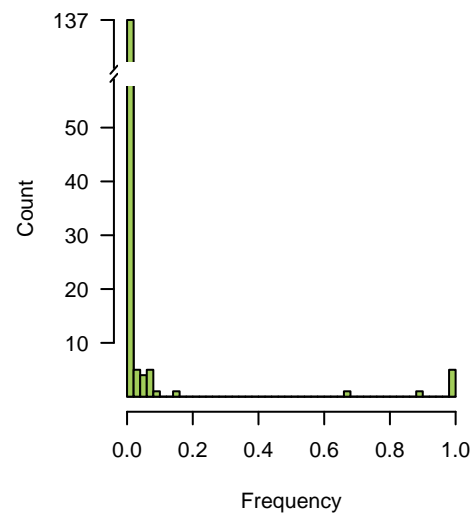
RT site 136
AA 46



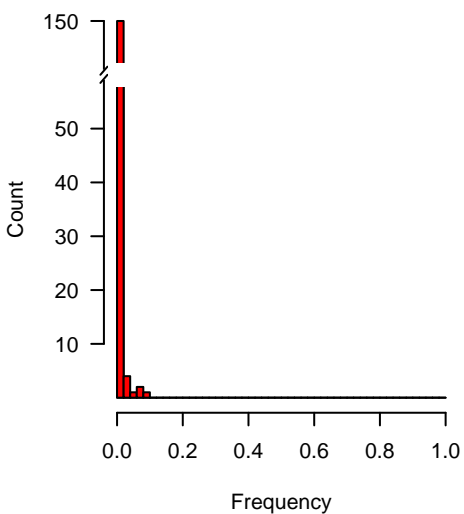
RT site 137
AA 46



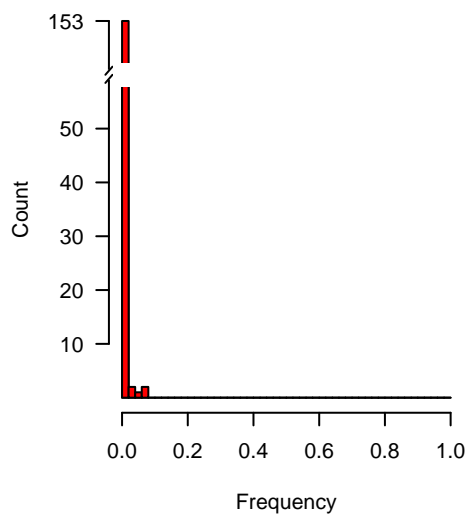
RT site 138
AA 46



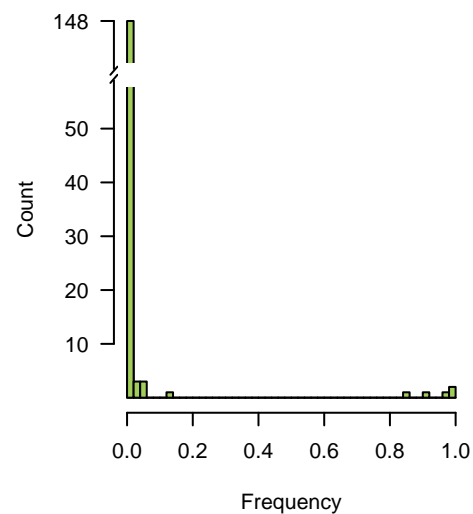
RT site 139
AA 47



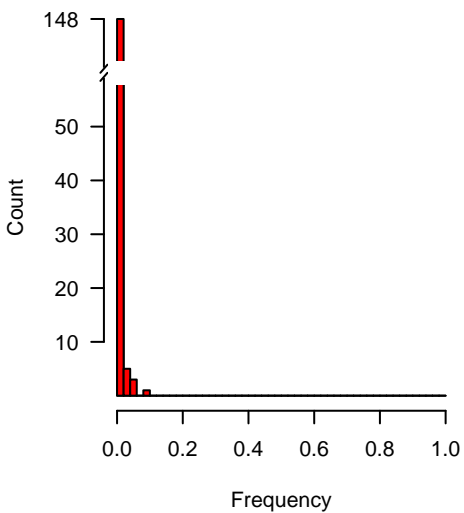
RT site 140
AA 47



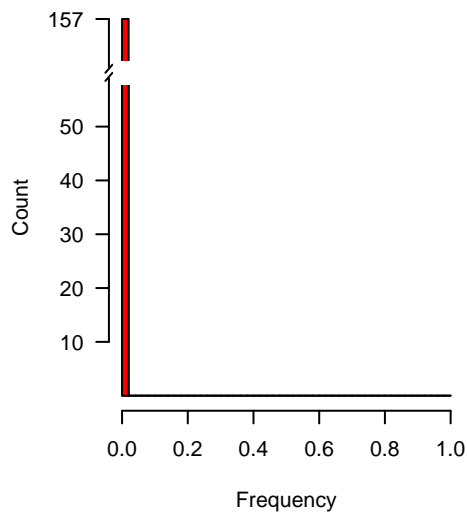
RT site 141
AA 47



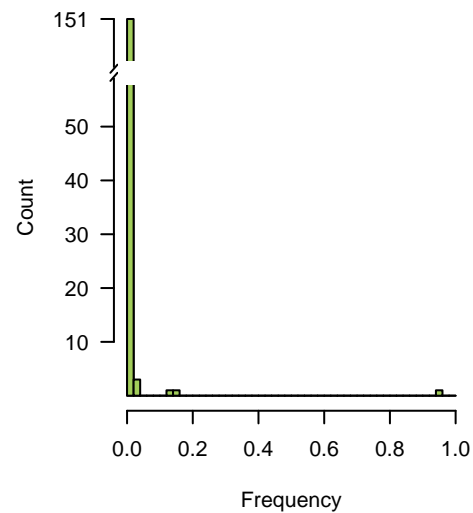
RT site 142
AA 48



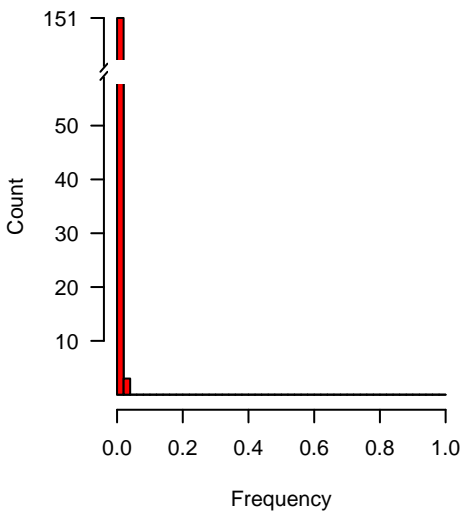
RT site 143
AA 48



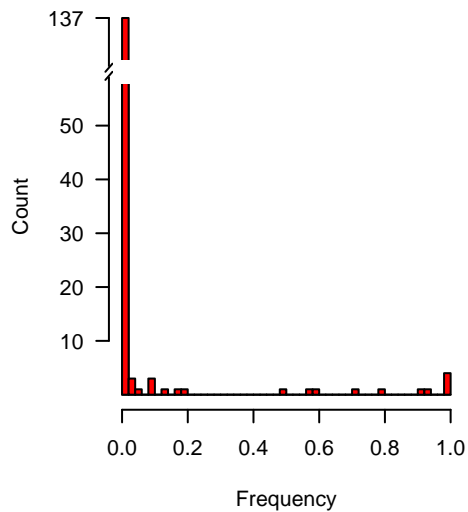
RT site 144
AA 48



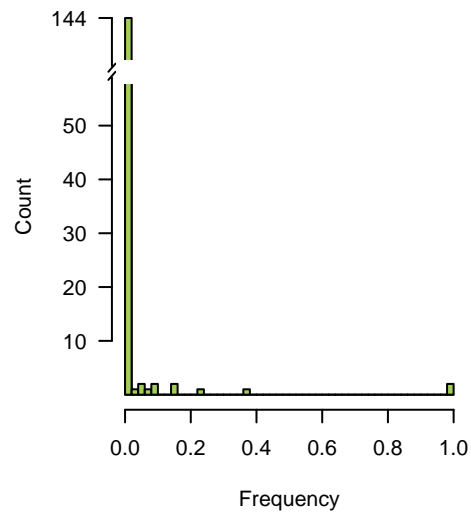
**RT site 145
AA 49**



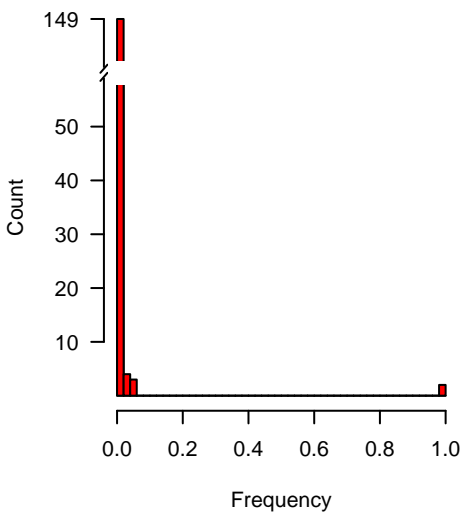
**RT site 146
AA 49**



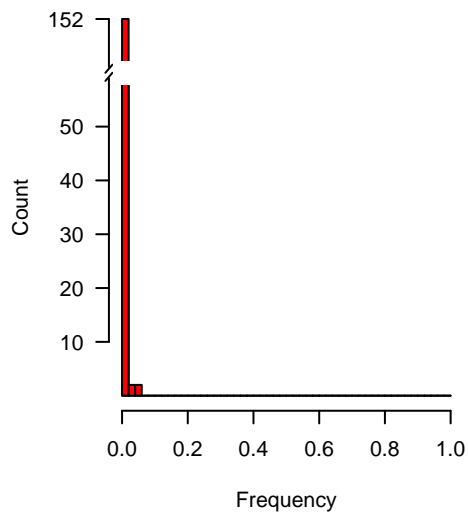
**RT site 147
AA 49**



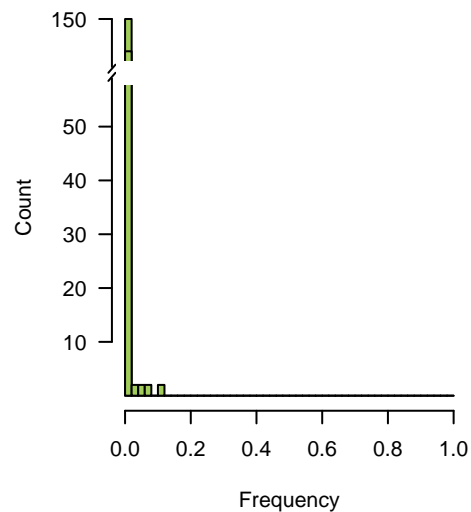
**RT site 148
AA 50**



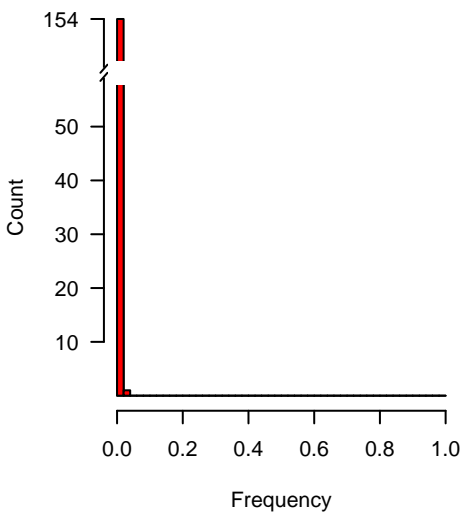
**RT site 149
AA 50**



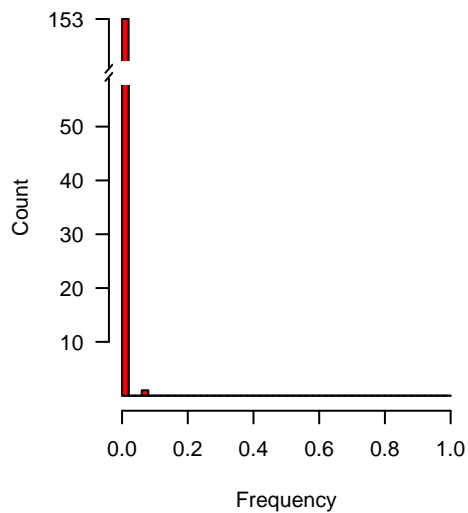
**RT site 150
AA 50**



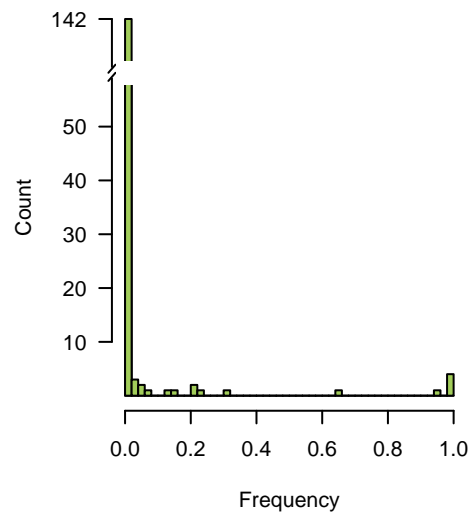
**RT site 151
AA 51**



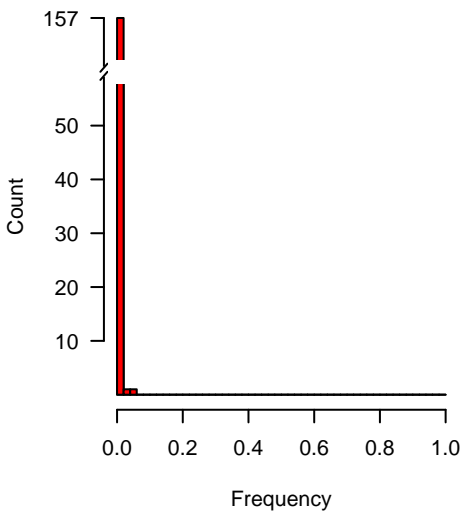
**RT site 152
AA 51**



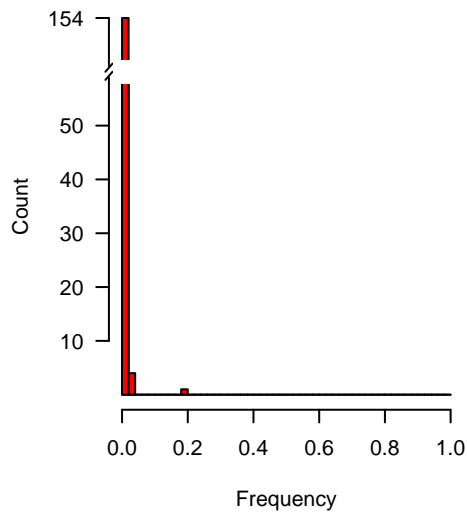
**RT site 153
AA 51**



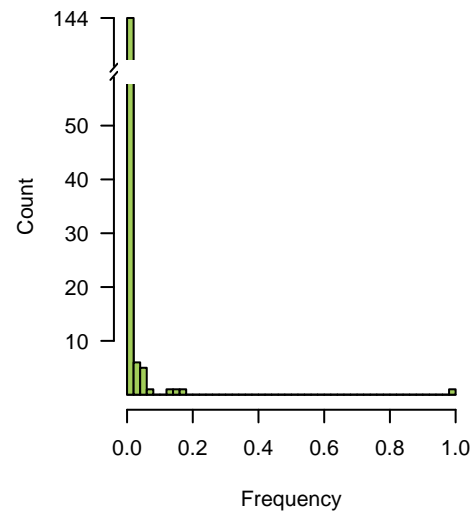
**RT site 154
AA 52**



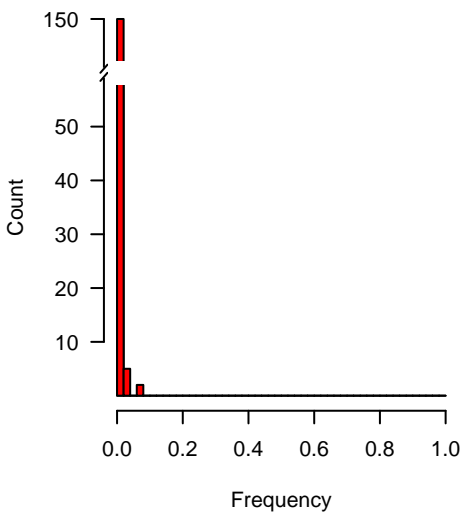
**RT site 155
AA 52**



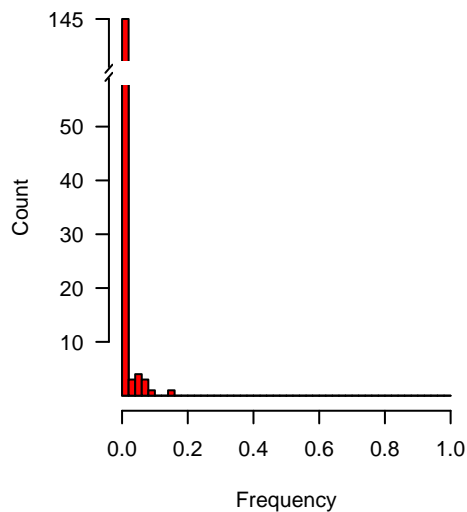
**RT site 156
AA 52**



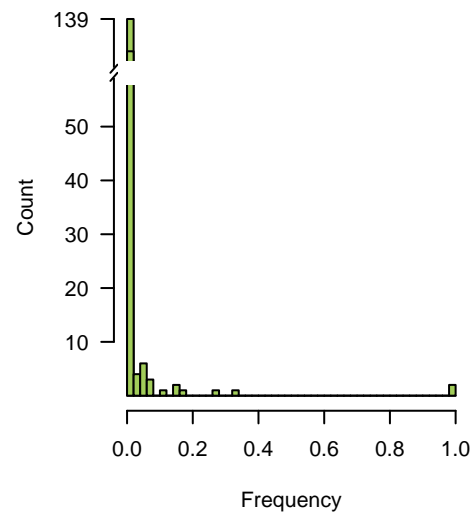
**RT site 157
AA 53**



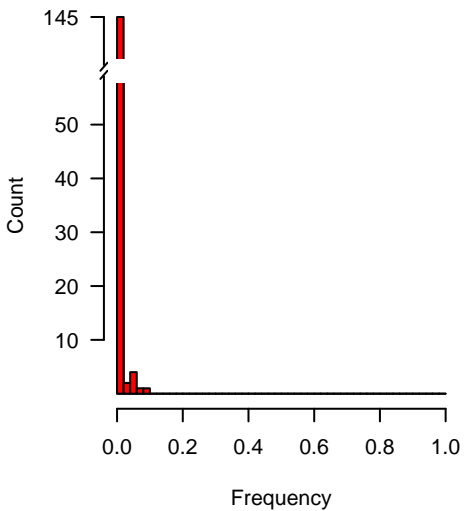
**RT site 158
AA 53**



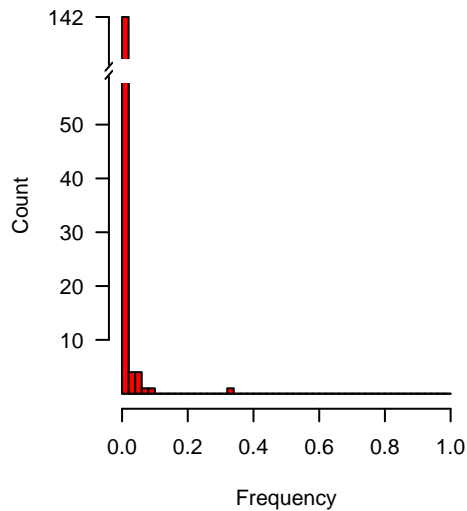
**RT site 159
AA 53**



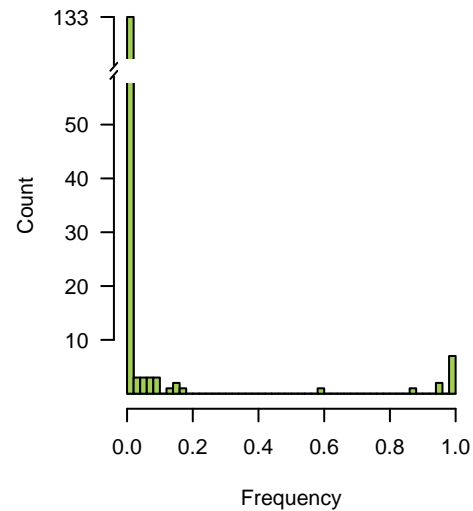
**RT site 160
AA 54**



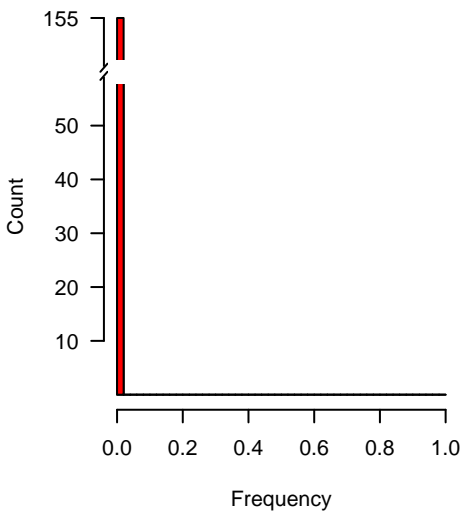
**RT site 161
AA 54**



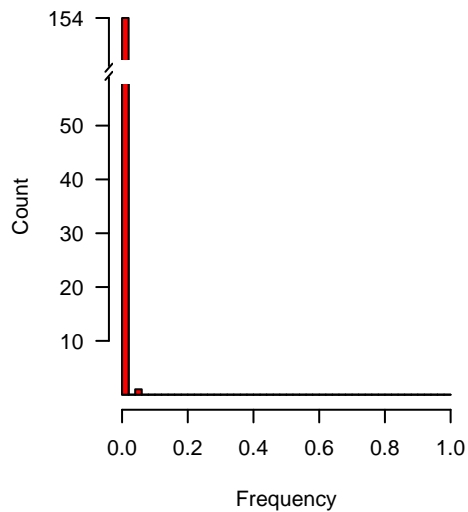
**RT site 162
AA 54**



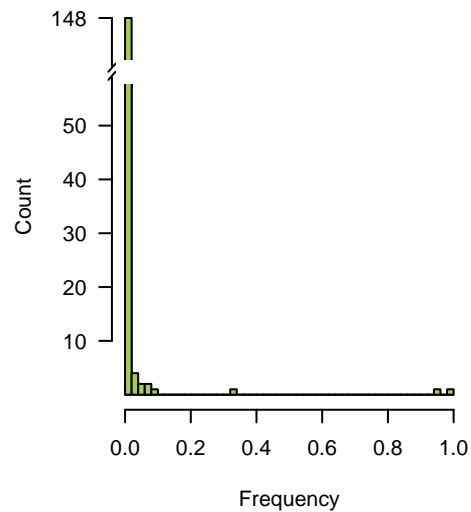
**RT site 163
AA 55**



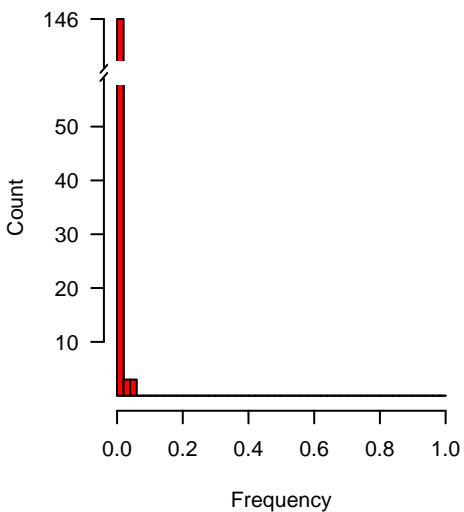
**RT site 164
AA 55**



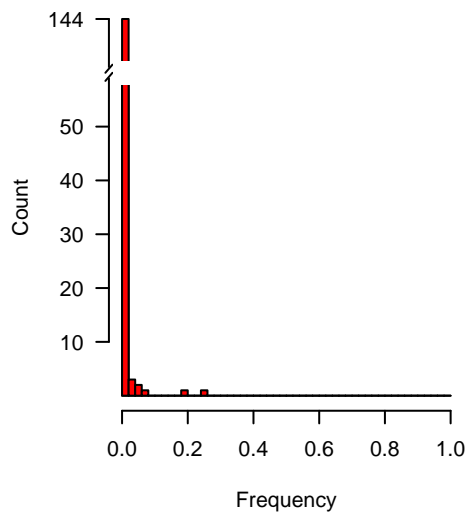
**RT site 165
AA 55**



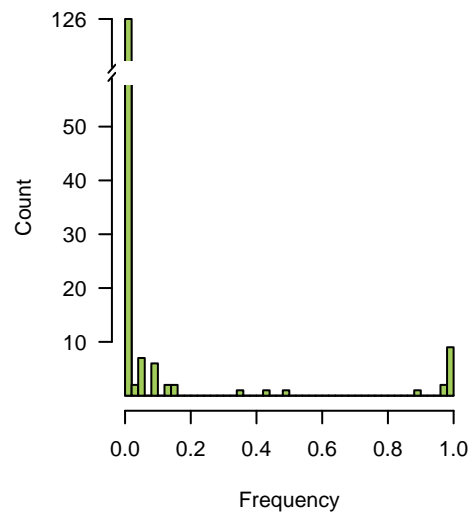
**RT site 166
AA 56**



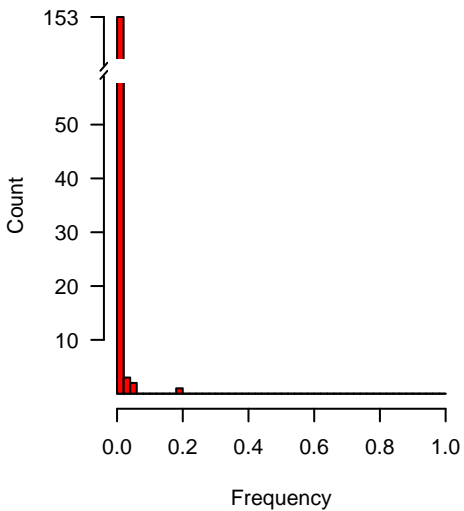
**RT site 167
AA 56**



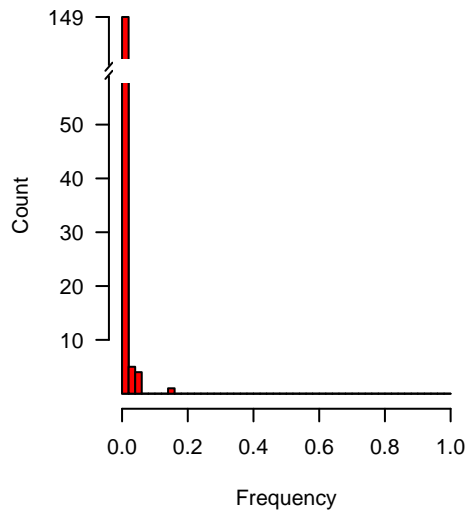
**RT site 168
AA 56**



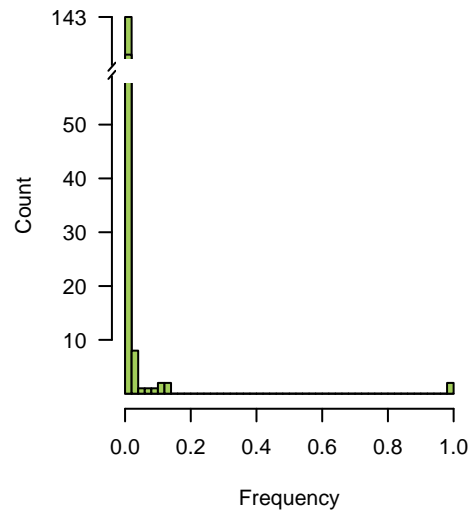
**RT site 169
AA 57**



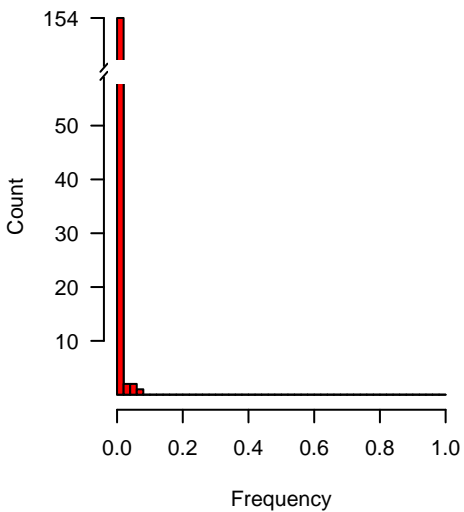
**RT site 170
AA 57**



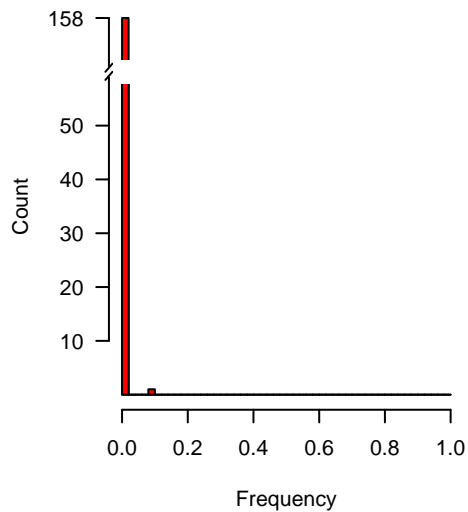
**RT site 171
AA 57**



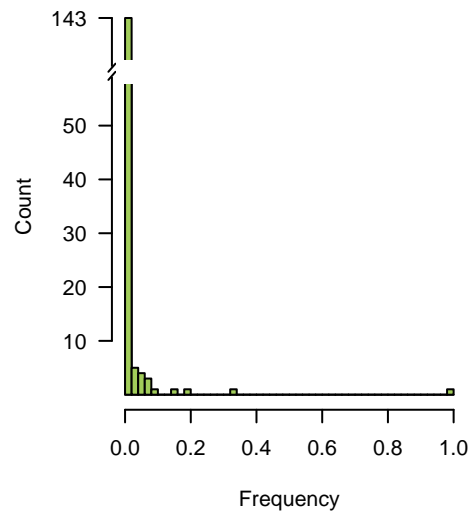
**RT site 172
AA 58**



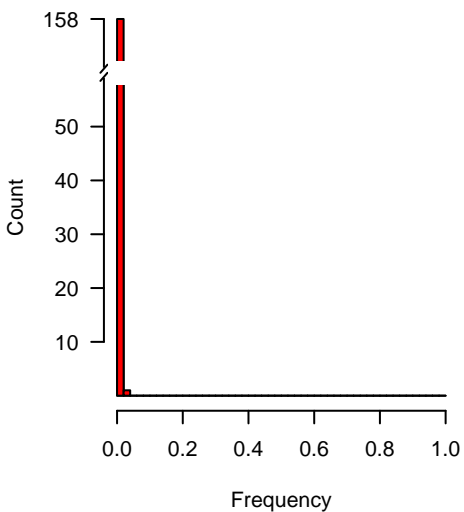
**RT site 173
AA 58**



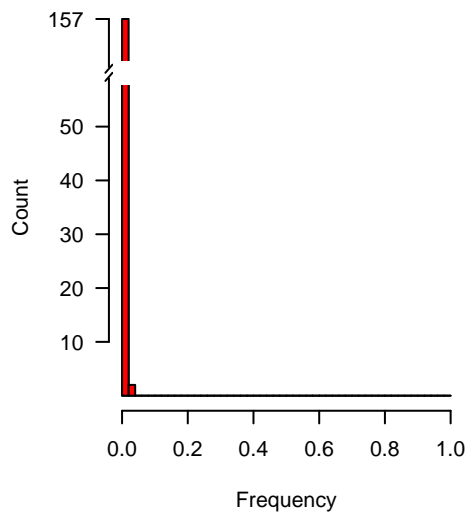
**RT site 174
AA 58**



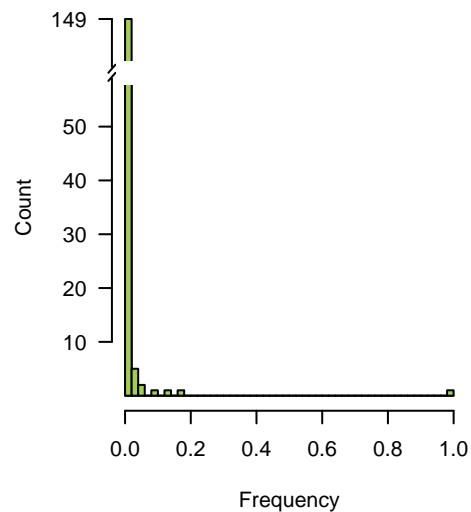
**RT site 175
AA 59**



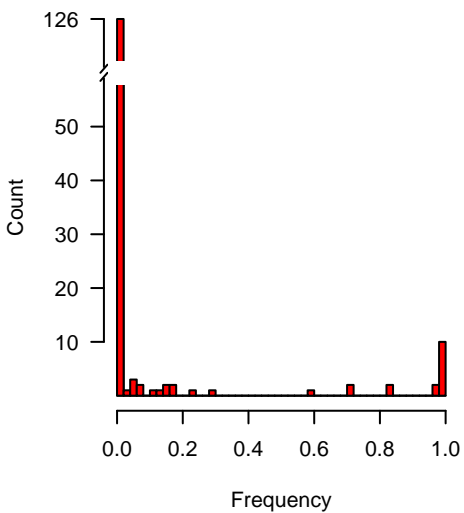
**RT site 176
AA 59**



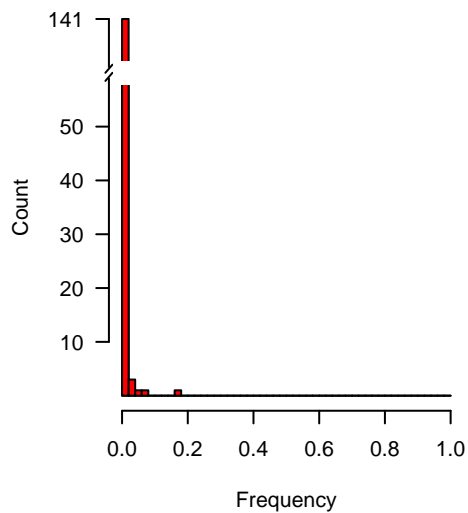
**RT site 177
AA 59**



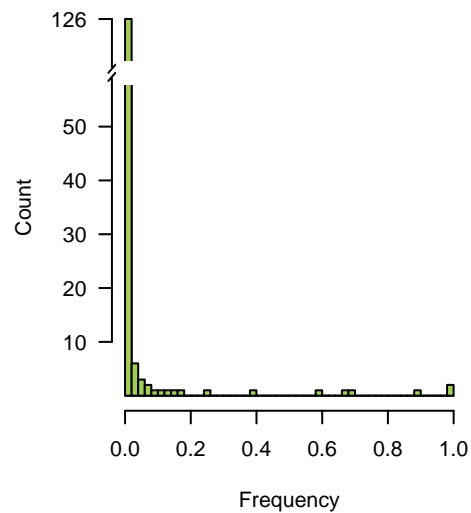
**RT site 178
AA 60 (site excluded)**



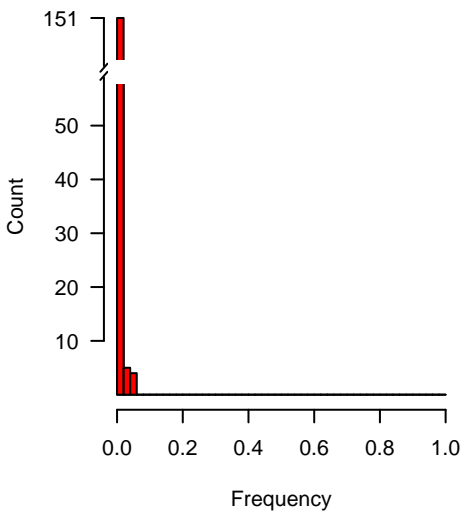
**RT site 179
AA 60**



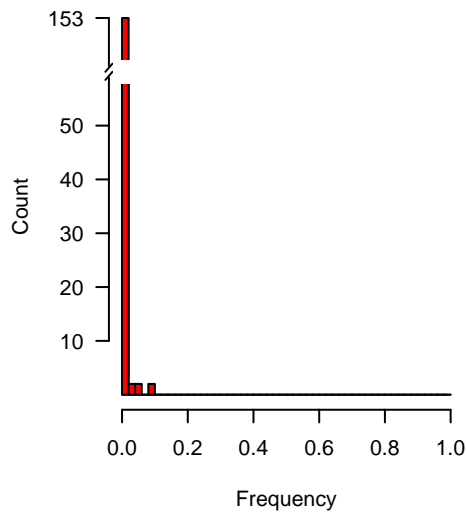
**RT site 180
AA 60**



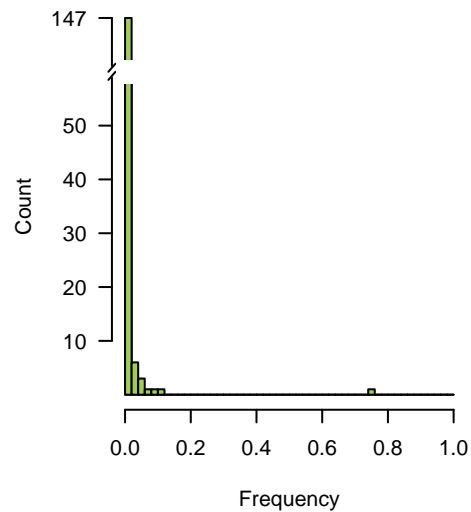
**RT site 181
AA 61**



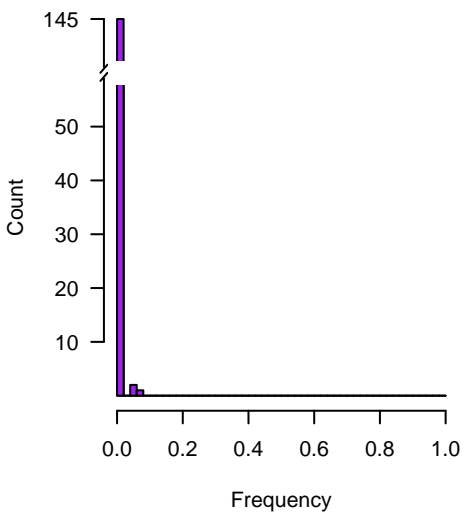
**RT site 182
AA 61**



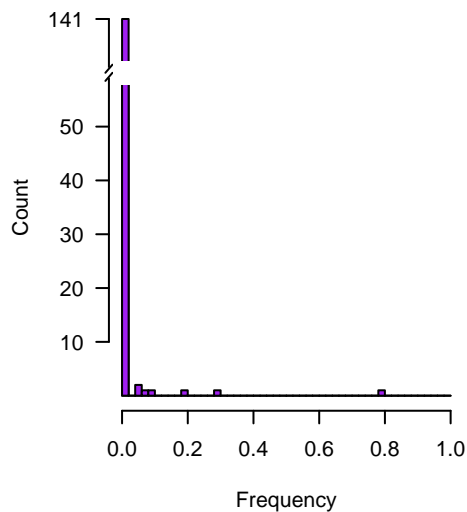
**RT site 183
AA 61**



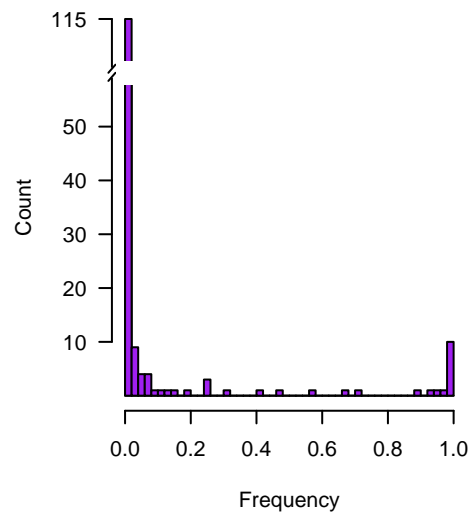
**RT site 184
AA 62
resistance codon, excluded**



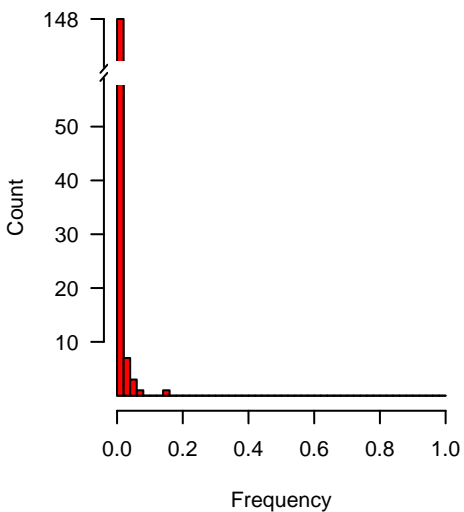
**RT site 185
AA 62
resistance codon, excluded**



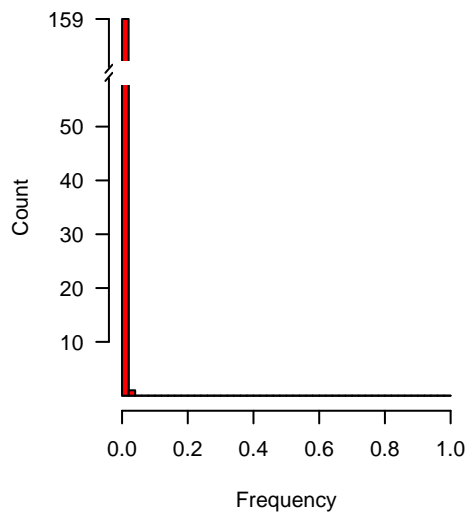
**RT site 186
AA 62 (site excluded)
resistance codon, excluded**



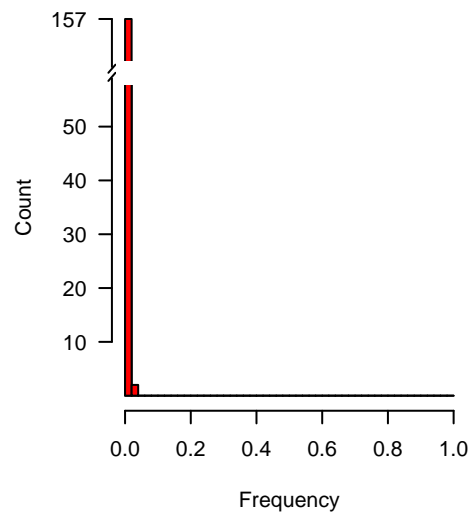
**RT site 187
AA 63**



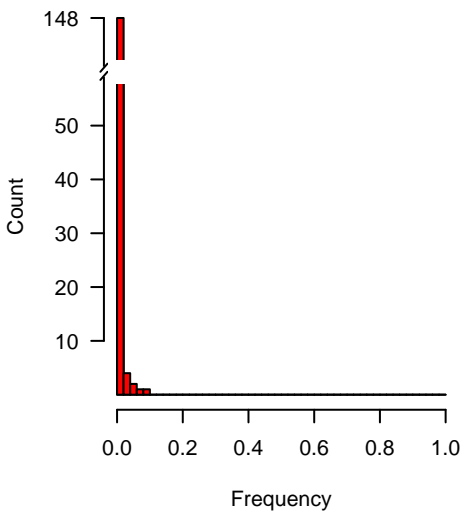
**RT site 188
AA 63**



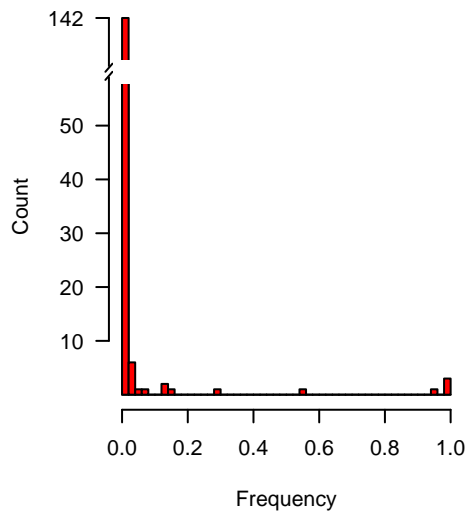
**RT site 189
AA 63**



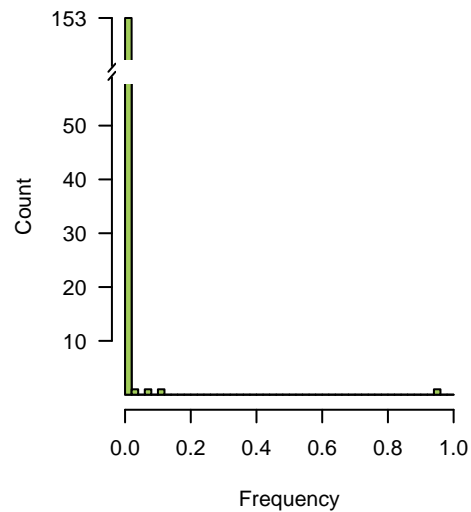
**RT site 190
AA 64**



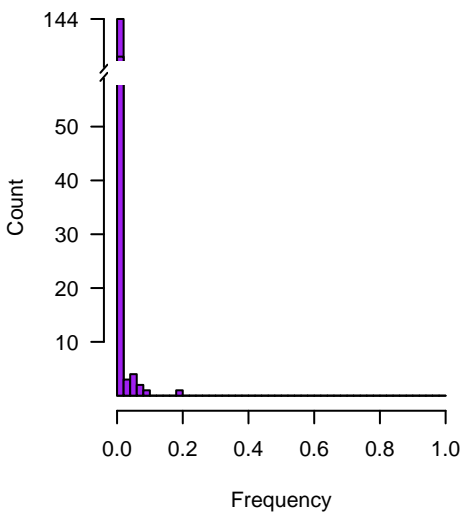
**RT site 191
AA 64**



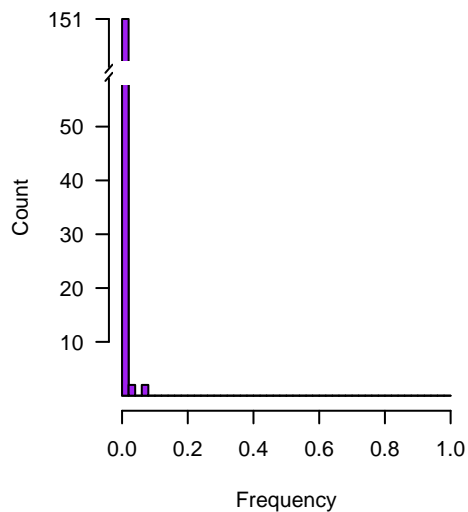
**RT site 192
AA 64**



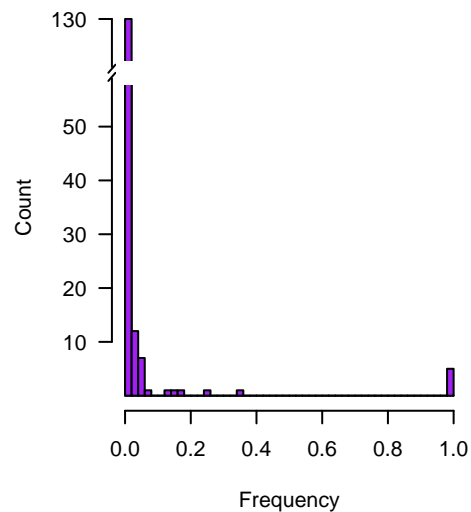
**RT site 193
AA 65
resistance codon, excluded**



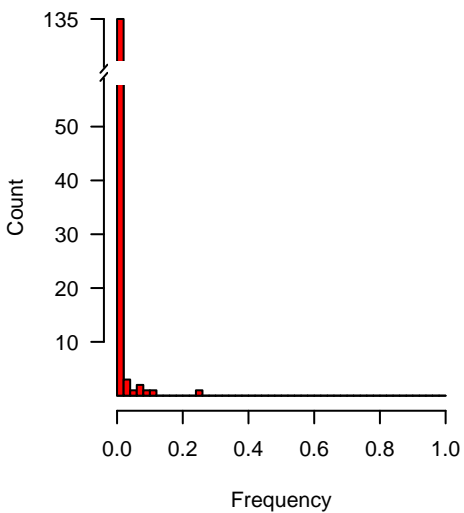
**RT site 194
AA 65
resistance codon, excluded**



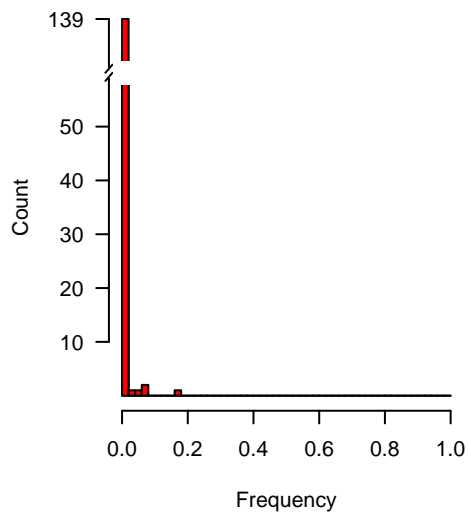
**RT site 195
AA 65
resistance codon, excluded**



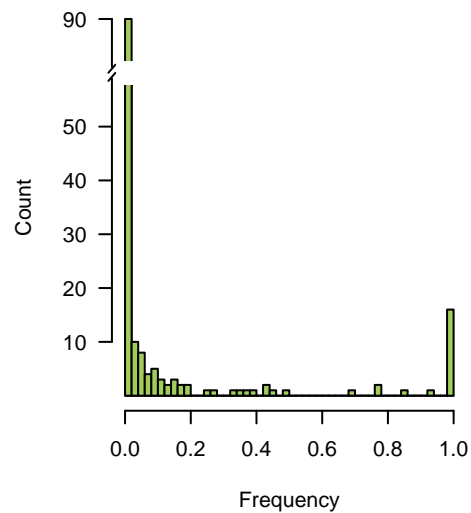
**RT site 196
AA 66**

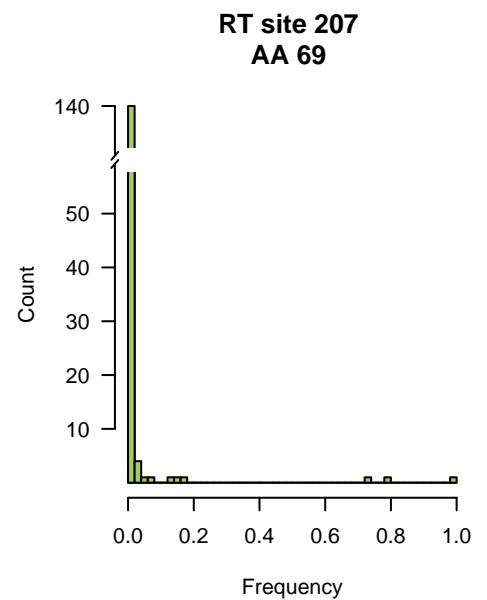
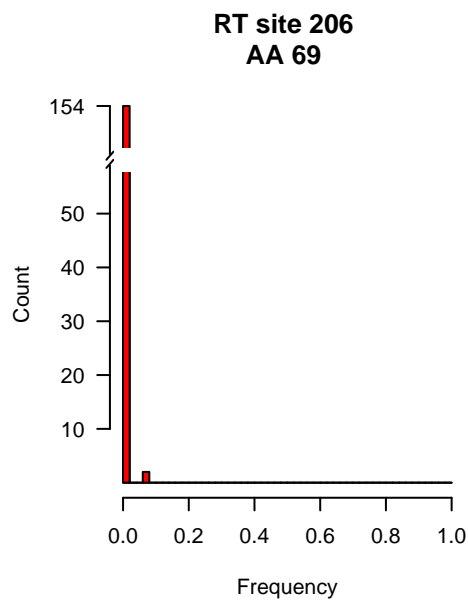
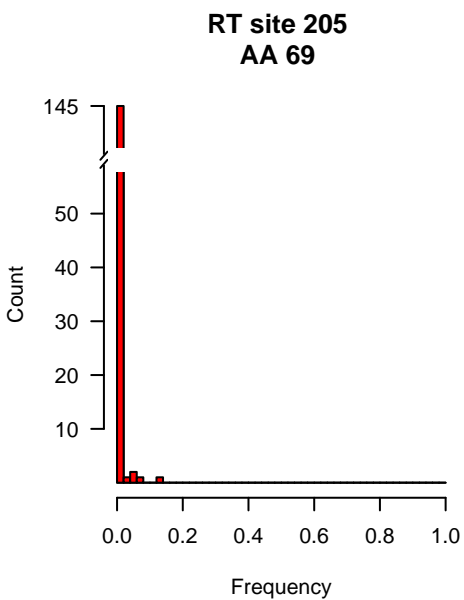
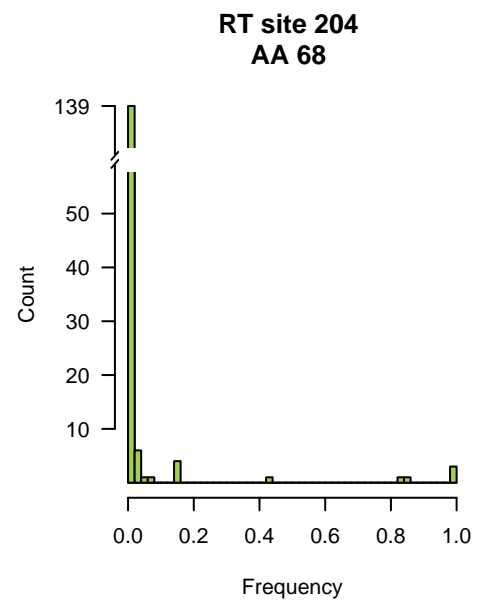
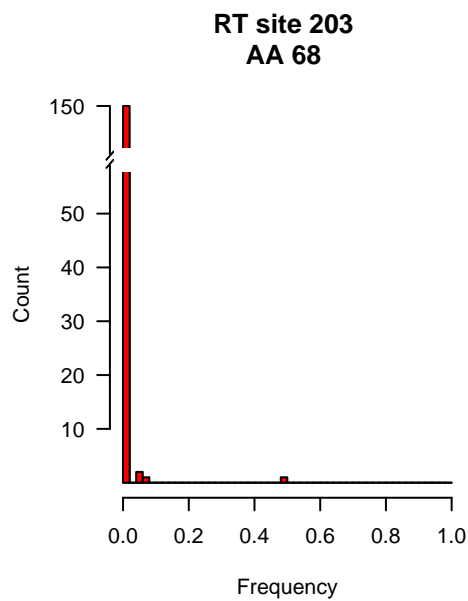
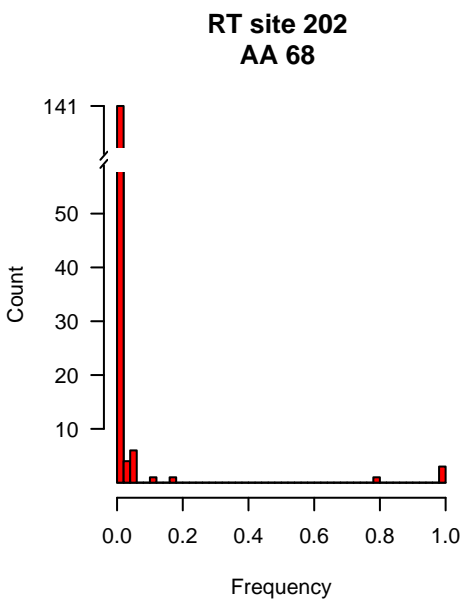
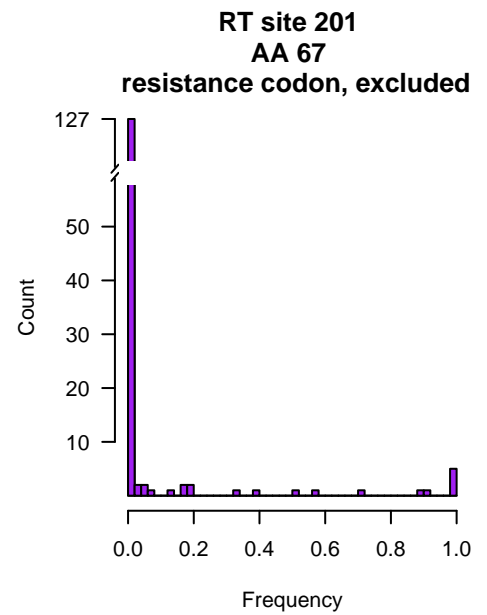
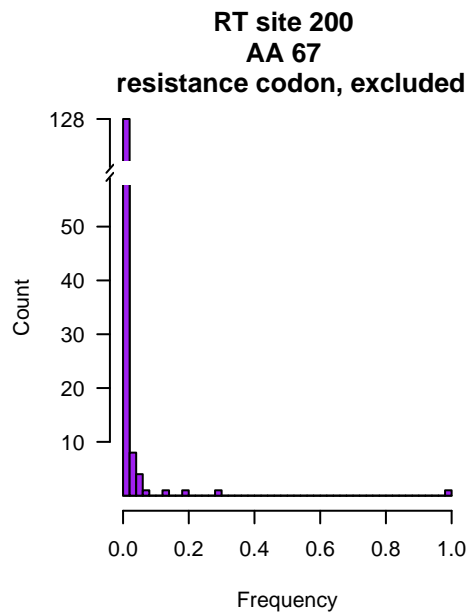
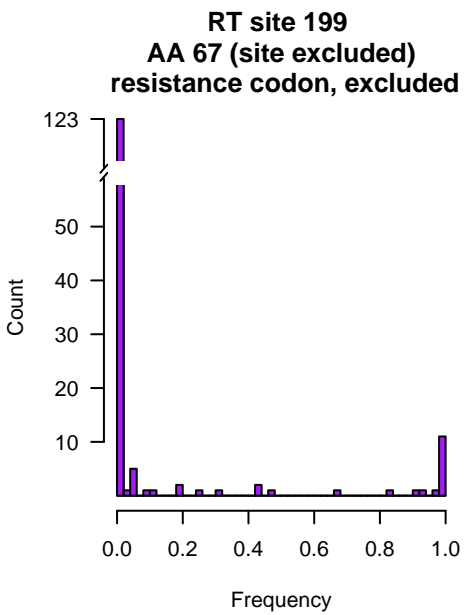


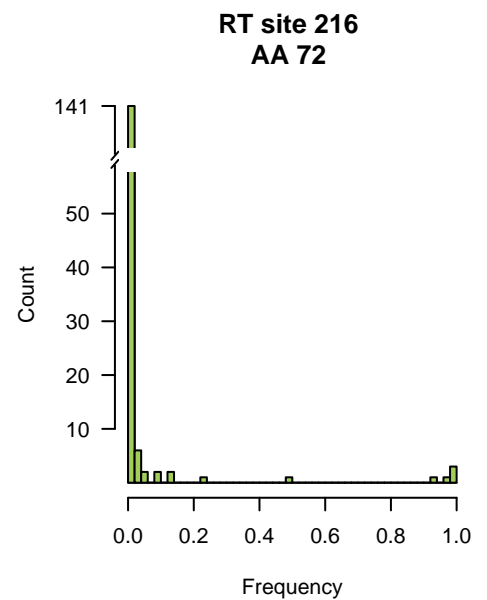
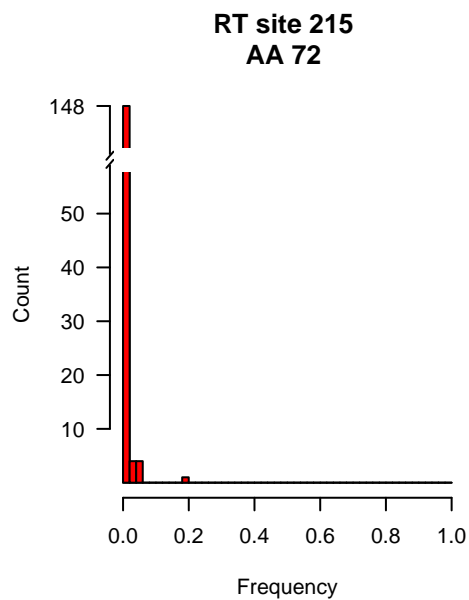
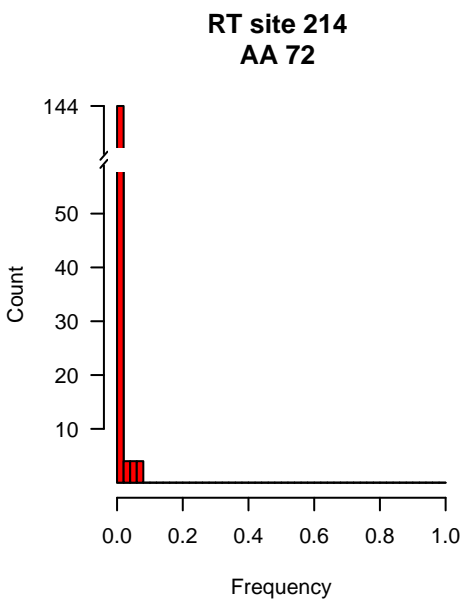
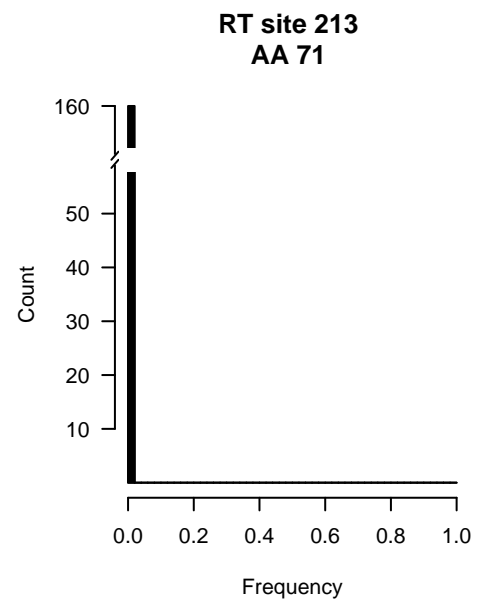
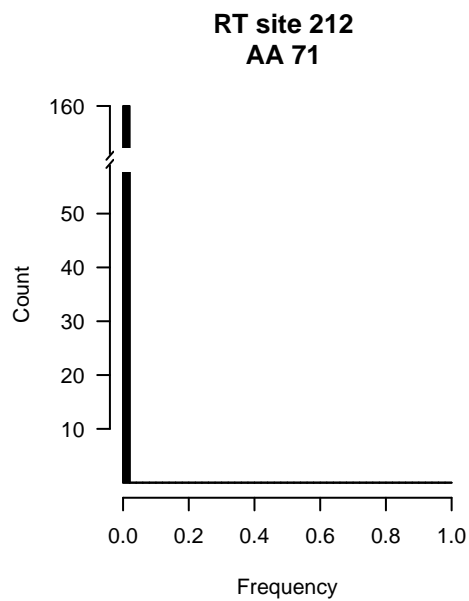
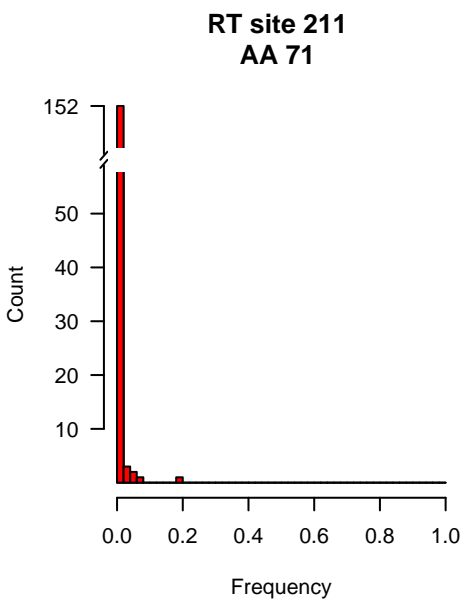
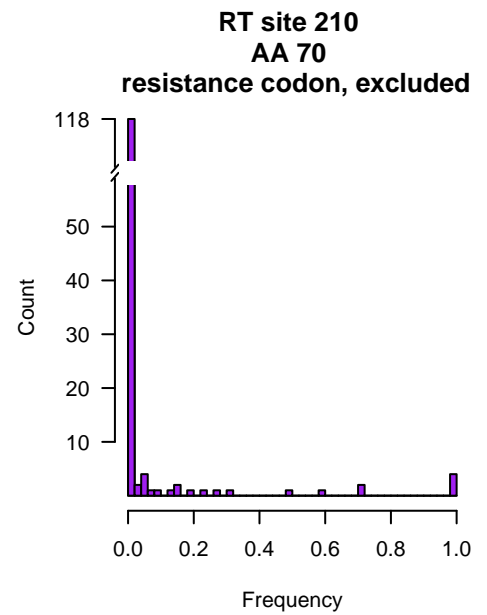
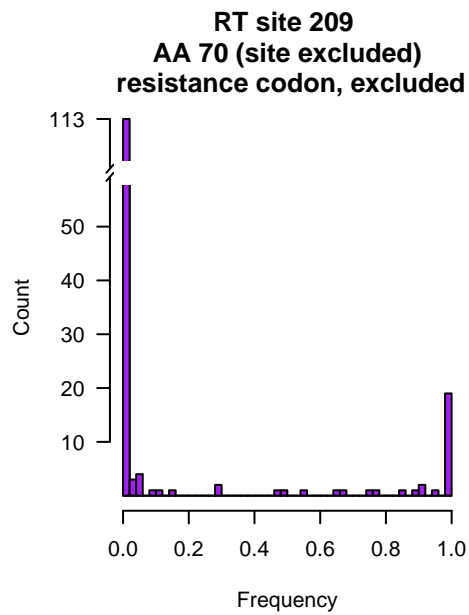
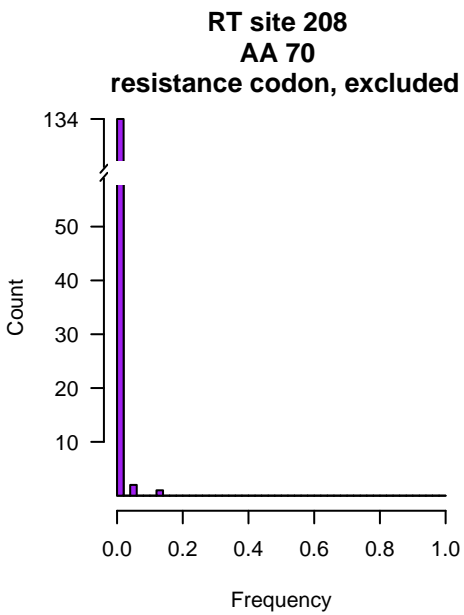
**RT site 197
AA 66**



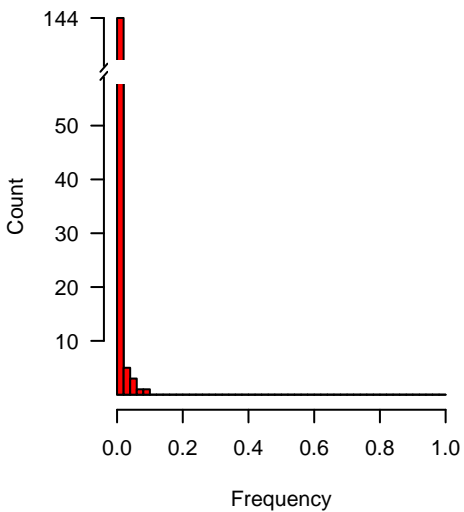
**RT site 198
AA 66 (site excluded)**



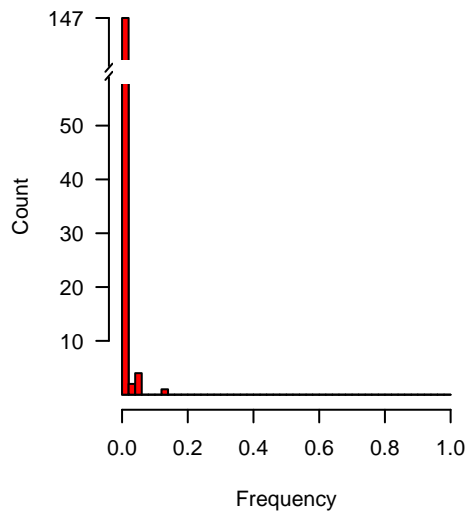




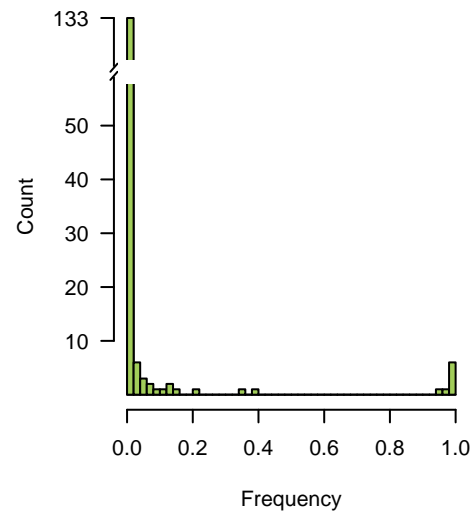
**RT site 217
AA 73**



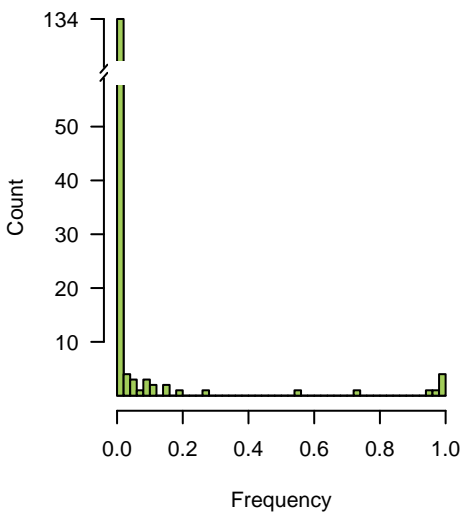
**RT site 218
AA 73**



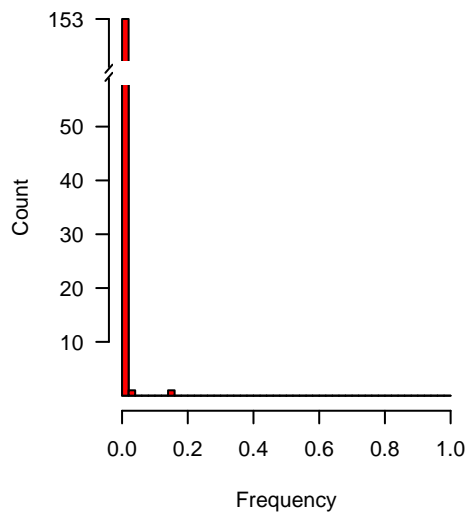
**RT site 219
AA 73**



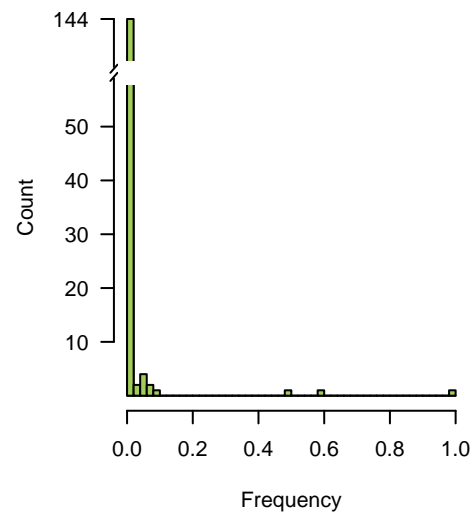
**RT site 220
AA 74**



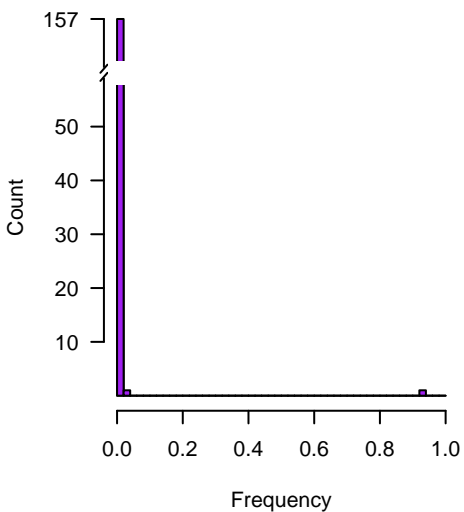
**RT site 221
AA 74**



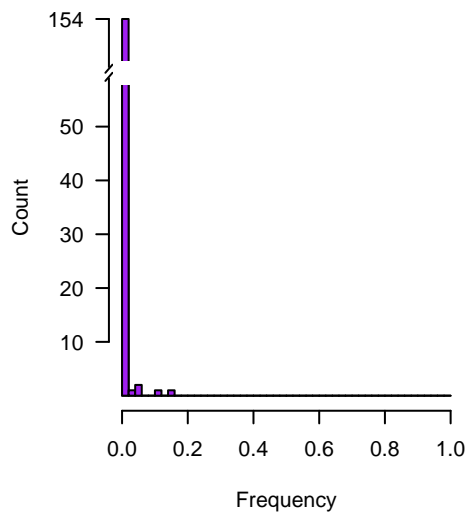
**RT site 222
AA 74**



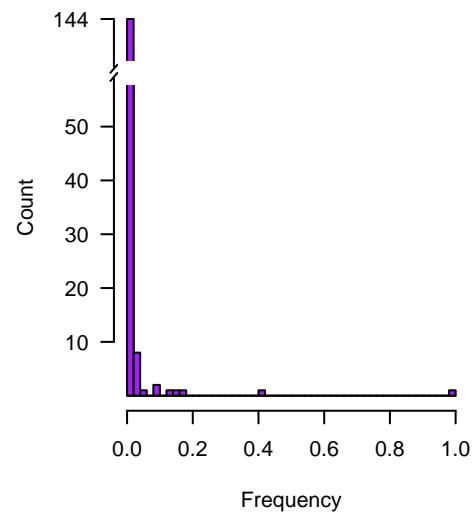
**RT site 223
AA 75
resistance codon, excluded**



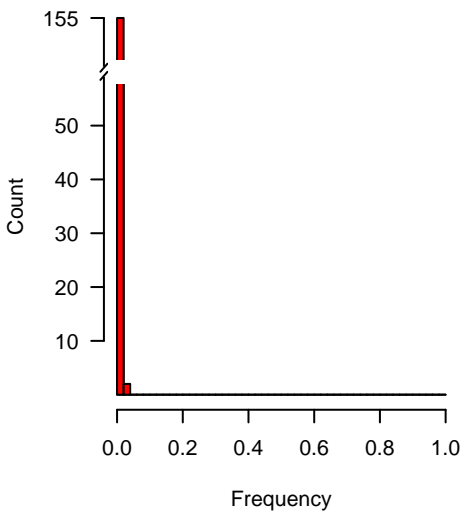
**RT site 224
AA 75
resistance codon, excluded**



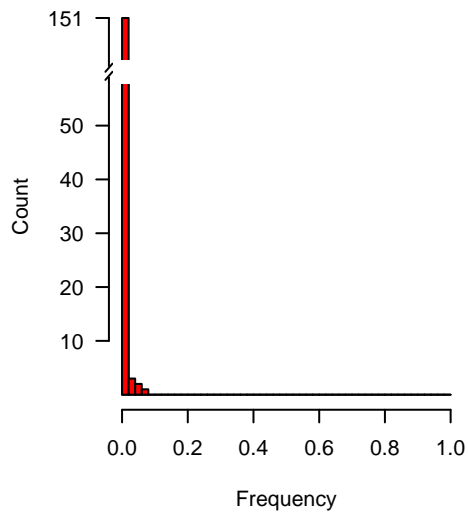
**RT site 225
AA 75
resistance codon, excluded**



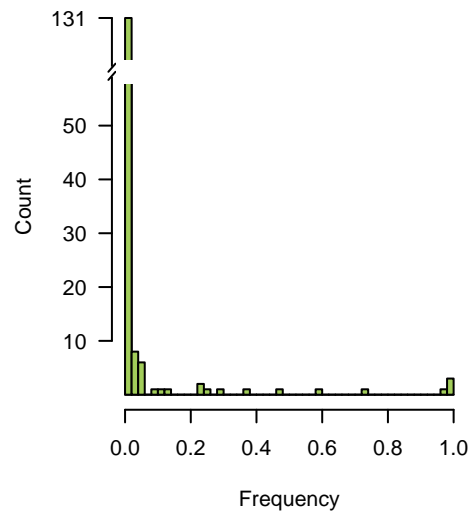
**RT site 226
AA 76**



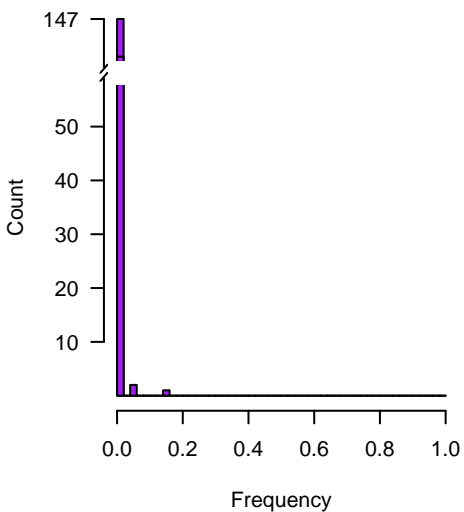
**RT site 227
AA 76**



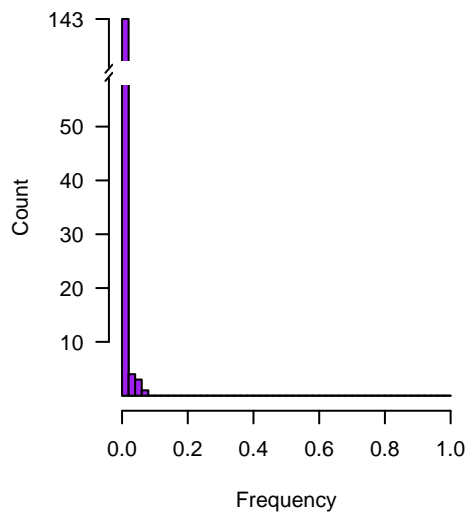
**RT site 228
AA 76**



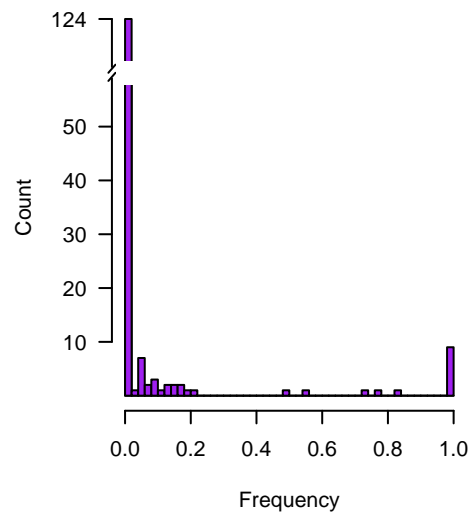
**RT site 229
AA 77
resistance codon, excluded**



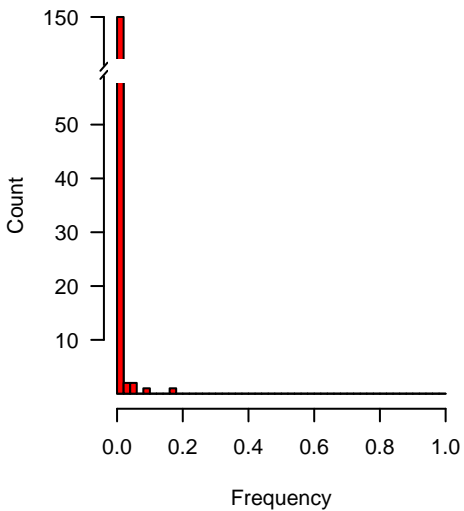
**RT site 230
AA 77
resistance codon, excluded**



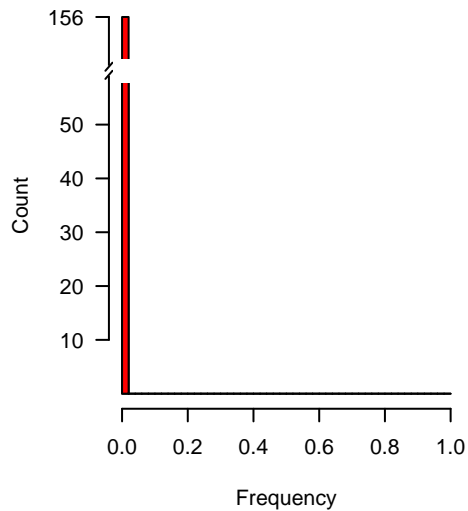
**RT site 231
AA 77
resistance codon, excluded**



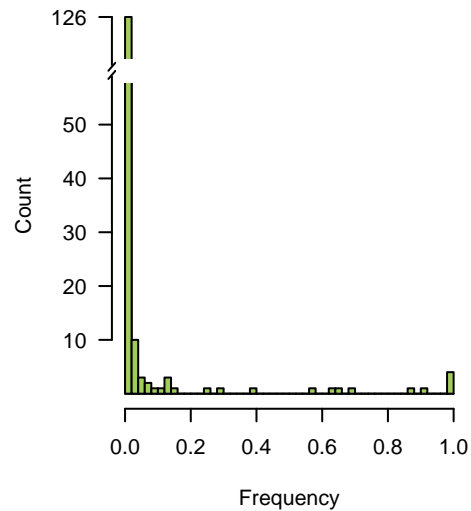
**RT site 232
AA 78**



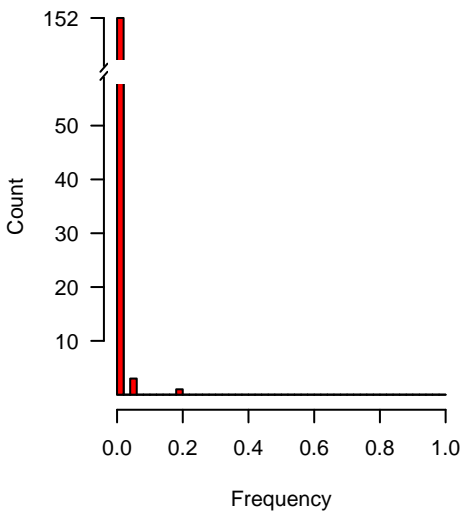
**RT site 233
AA 78**



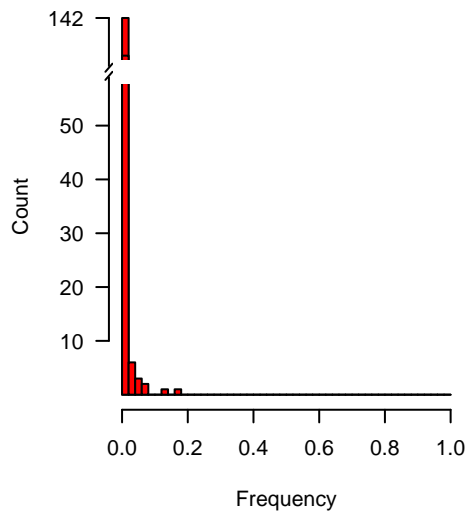
**RT site 234
AA 78**



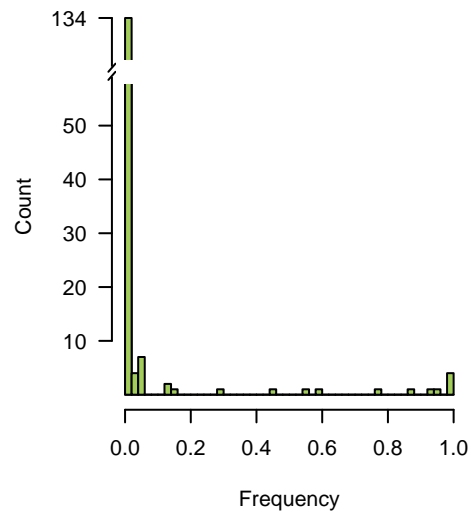
**RT site 235
AA 79**



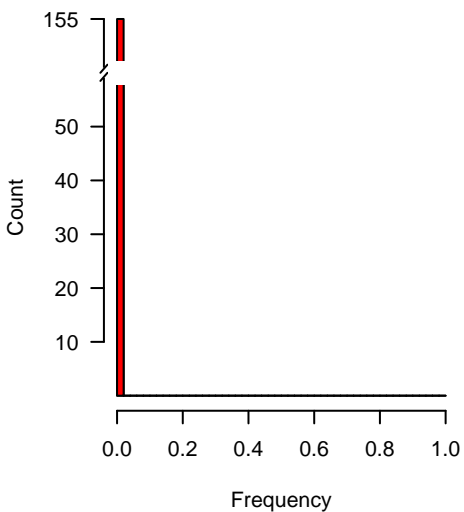
**RT site 236
AA 79**



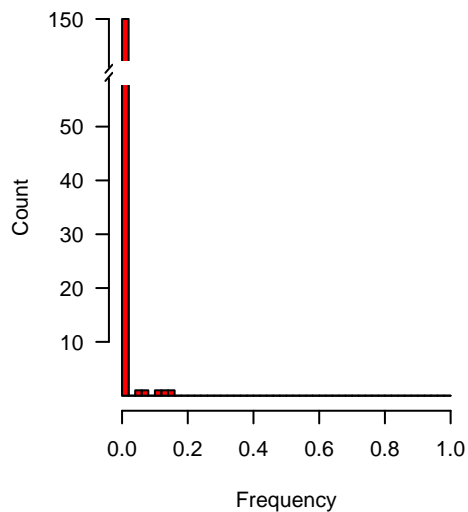
**RT site 237
AA 79**



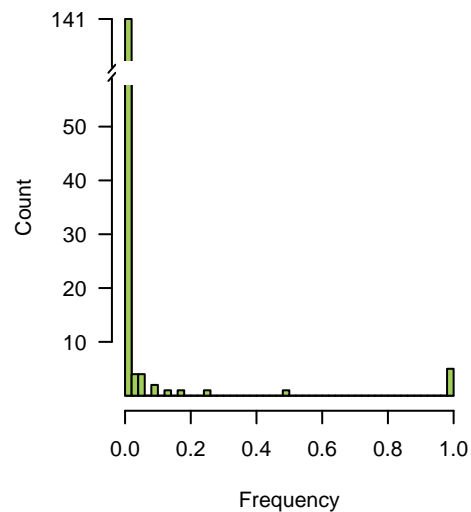
**RT site 238
AA 80**



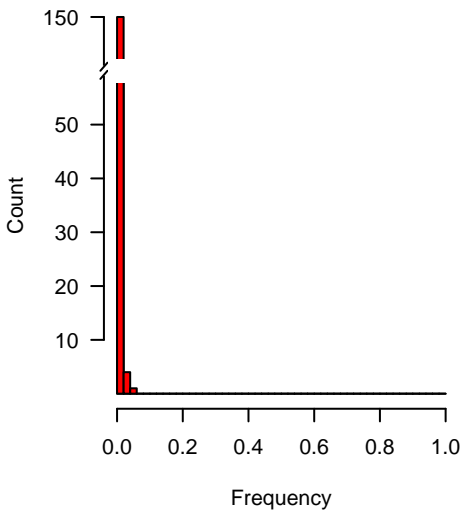
**RT site 239
AA 80**



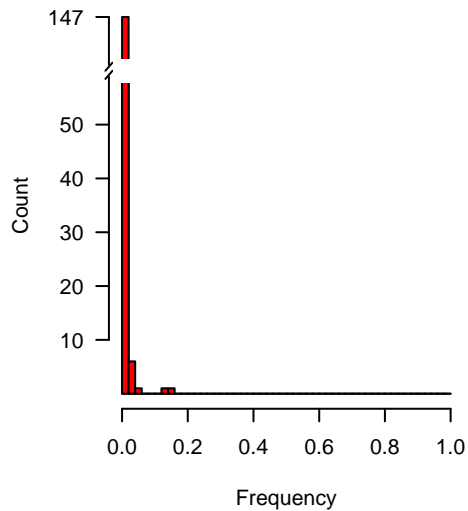
**RT site 240
AA 80**



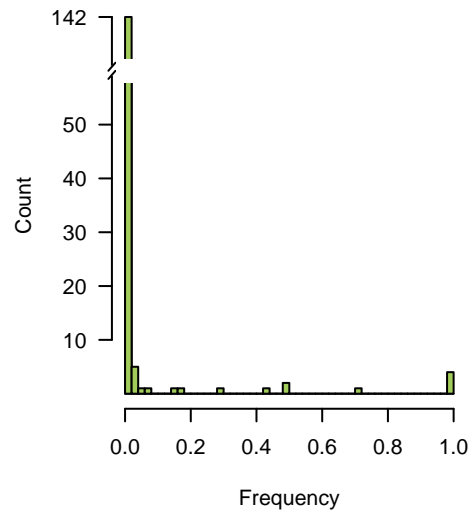
**RT site 241
AA 81**



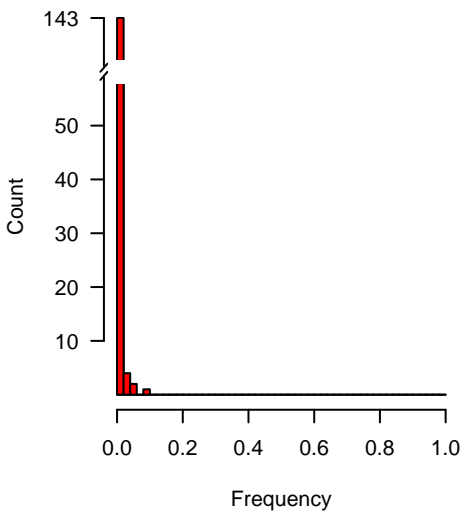
**RT site 242
AA 81**



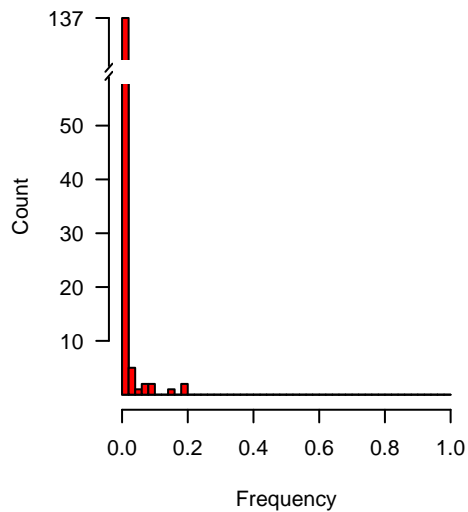
**RT site 243
AA 81**



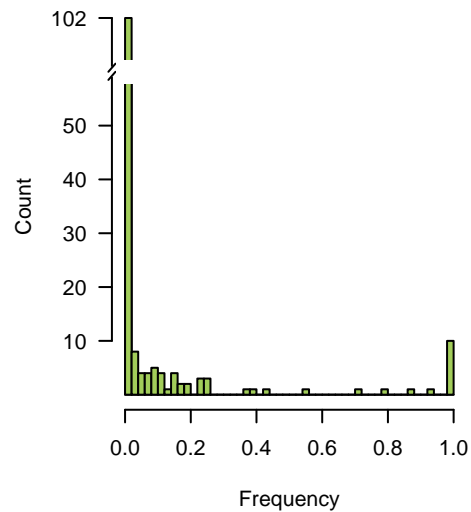
**RT site 244
AA 82**



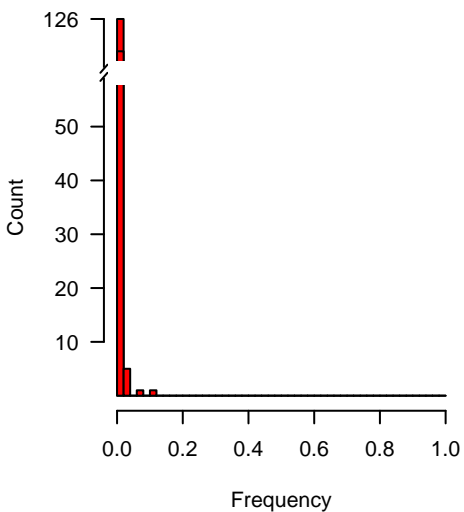
**RT site 245
AA 82**



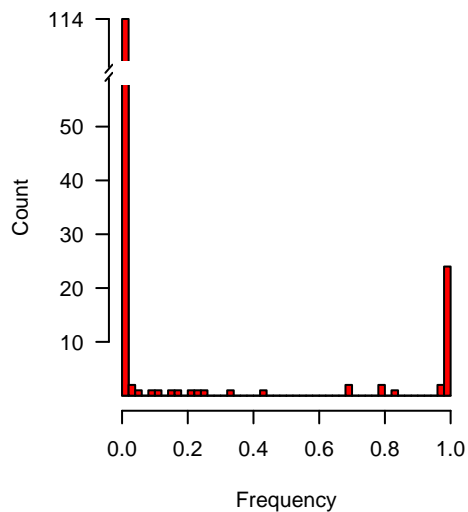
**RT site 246
AA 82**



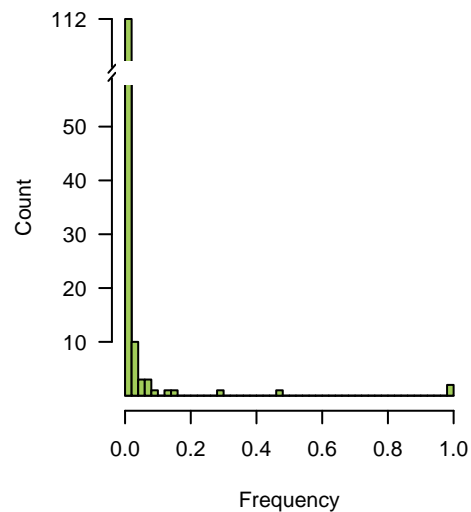
**RT site 247
AA 83**



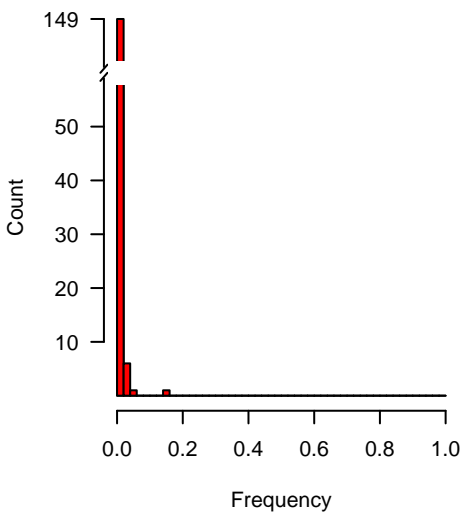
**RT site 248
AA 83 (site excluded)**



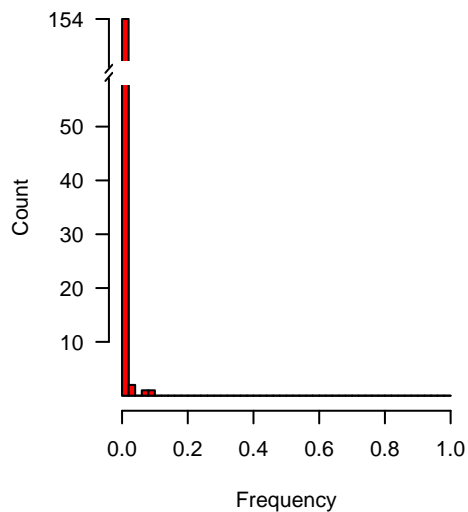
**RT site 249
AA 83**



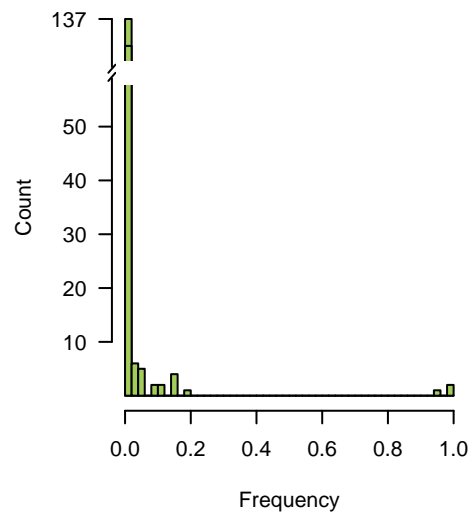
**RT site 250
AA 84**



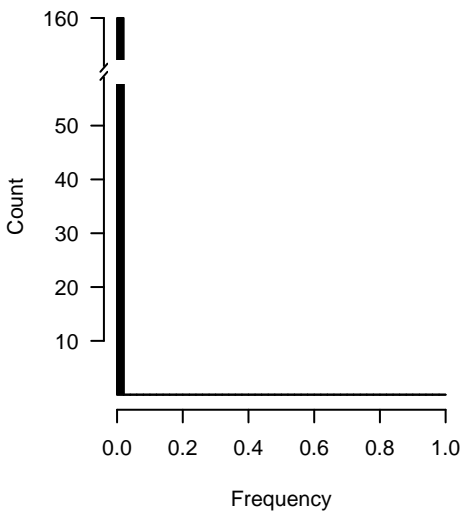
**RT site 251
AA 84**



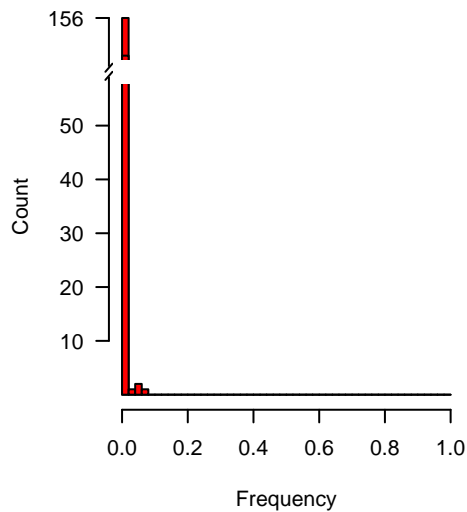
**RT site 252
AA 84**



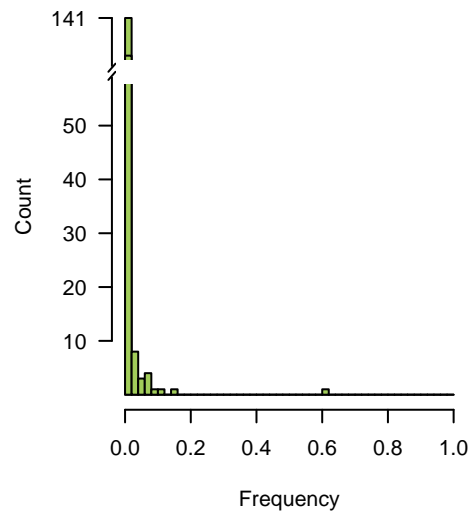
**RT site 253
AA 85**



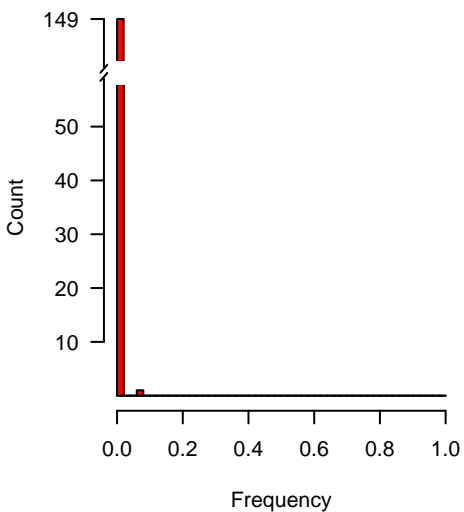
**RT site 254
AA 85**



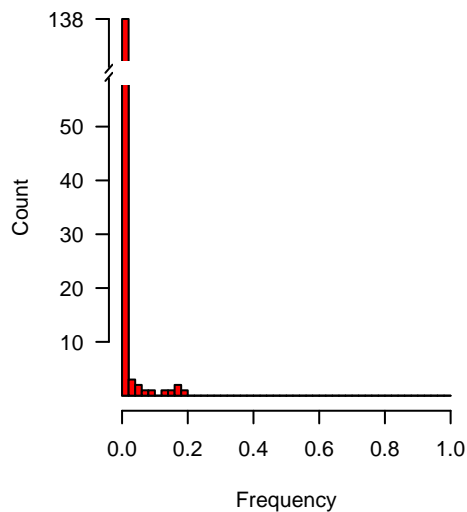
**RT site 255
AA 85**



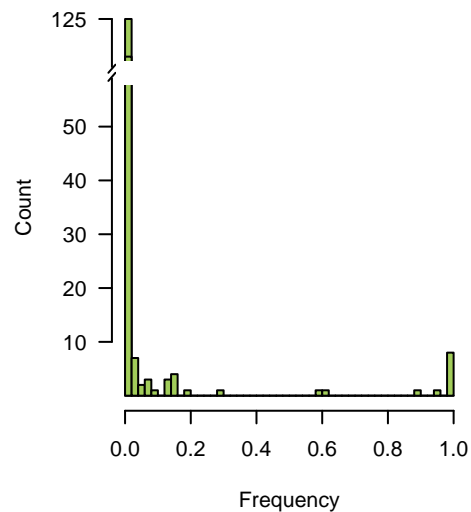
**RT site 256
AA 86**



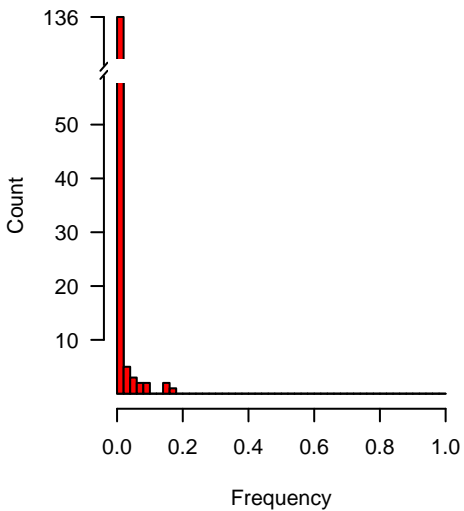
**RT site 257
AA 86**



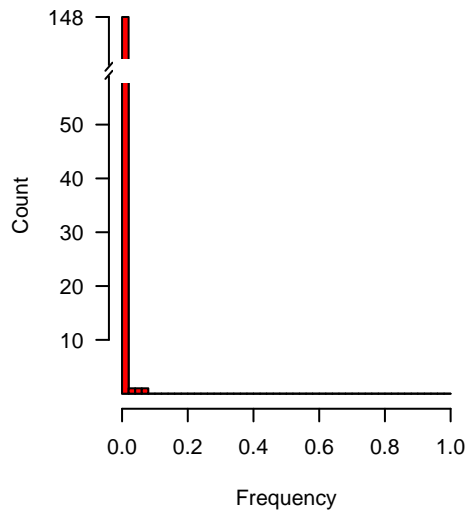
**RT site 258
AA 86**



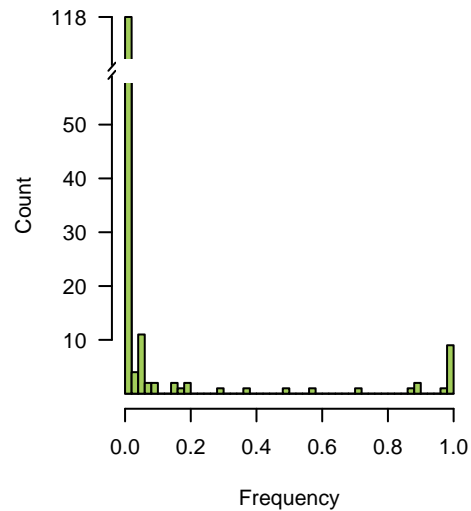
**RT site 259
AA 87**



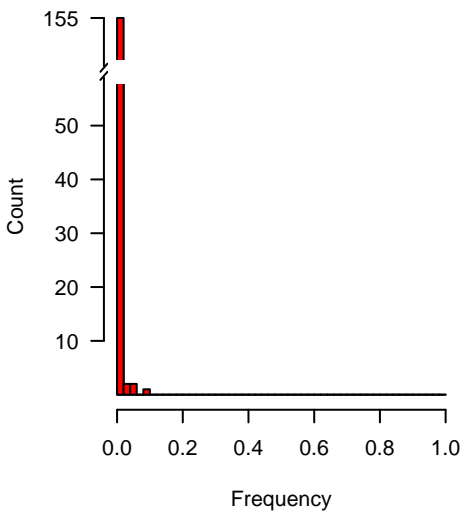
**RT site 260
AA 87**



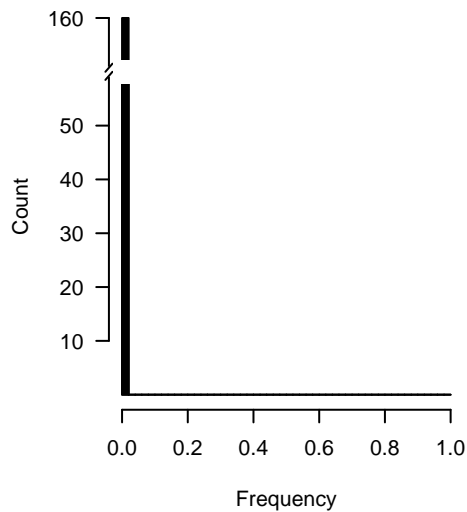
**RT site 261
AA 87**



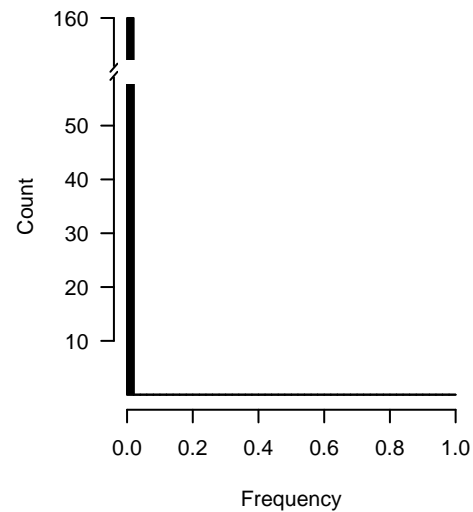
**RT site 262
AA 88**



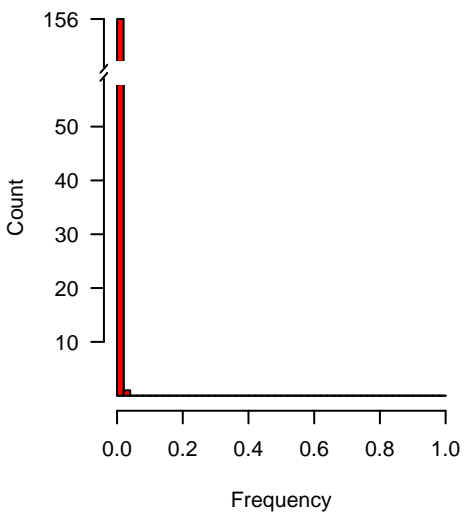
**RT site 263
AA 88**



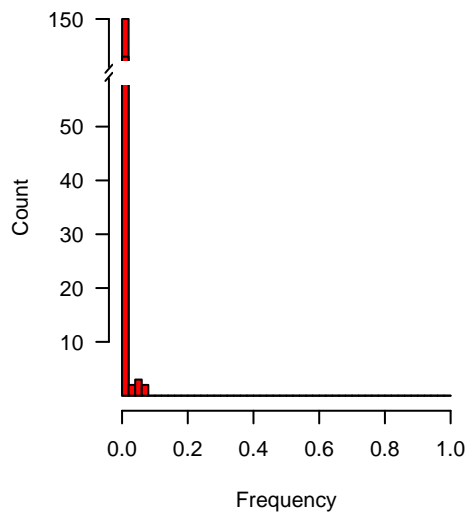
**RT site 264
AA 88**



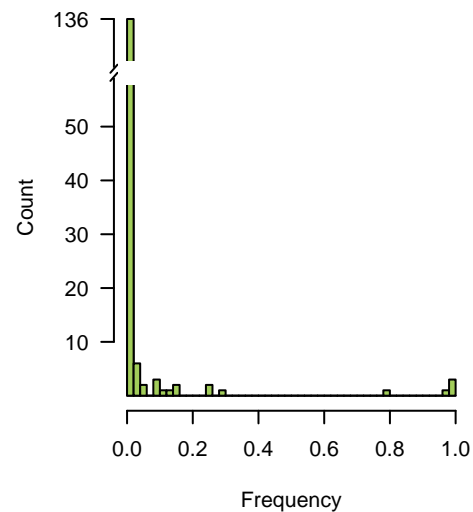
**RT site 265
AA 89**



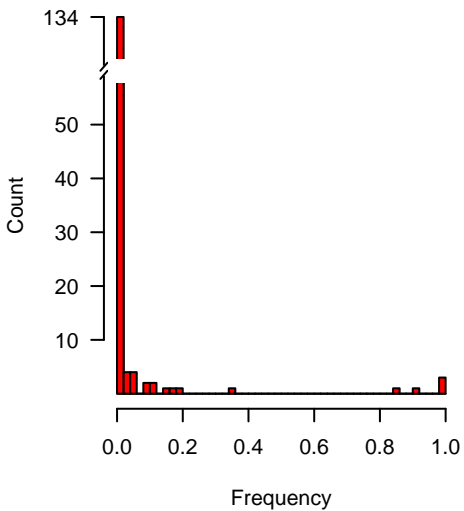
**RT site 266
AA 89**



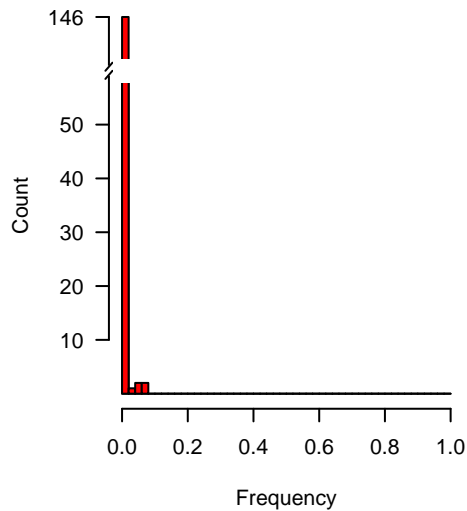
**RT site 267
AA 89**



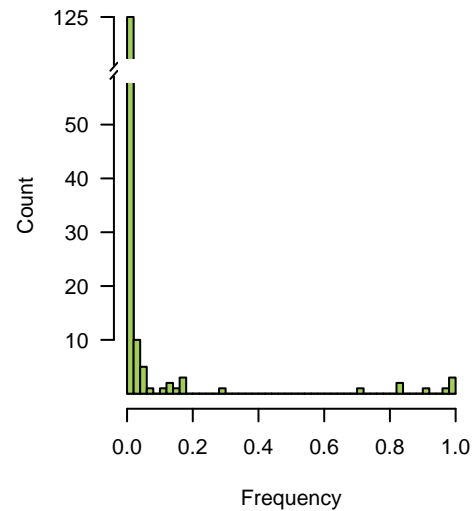
**RT site 268
AA 90**



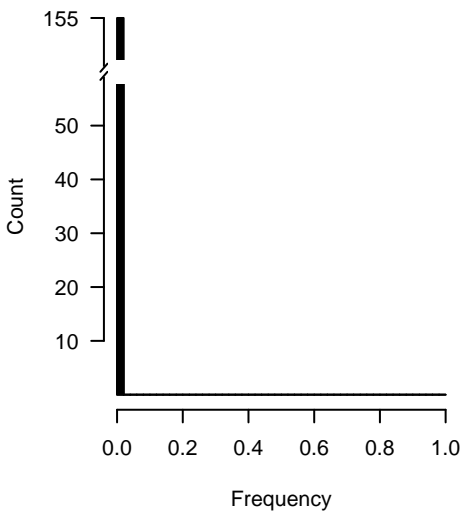
**RT site 269
AA 90**



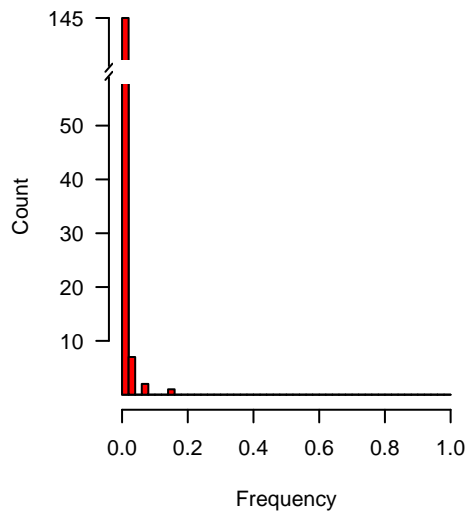
**RT site 270
AA 90**



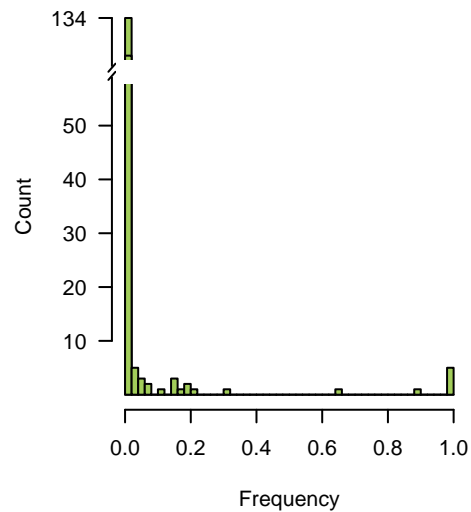
**RT site 271
AA 91**



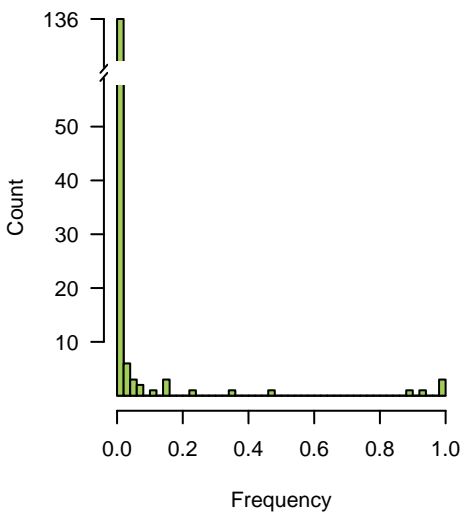
**RT site 272
AA 91**



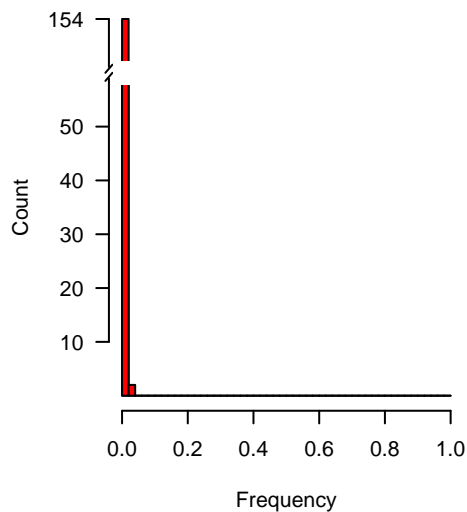
**RT site 273
AA 91**



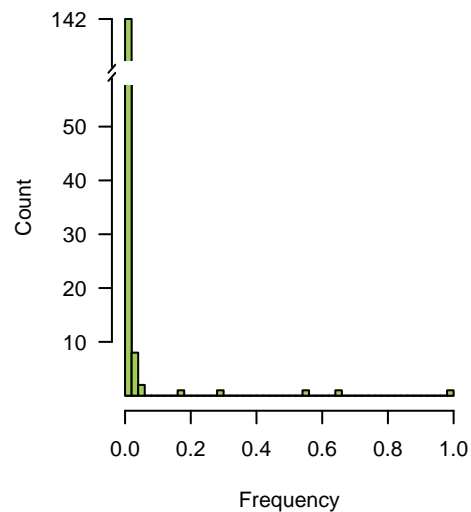
**RT site 274
AA 92**



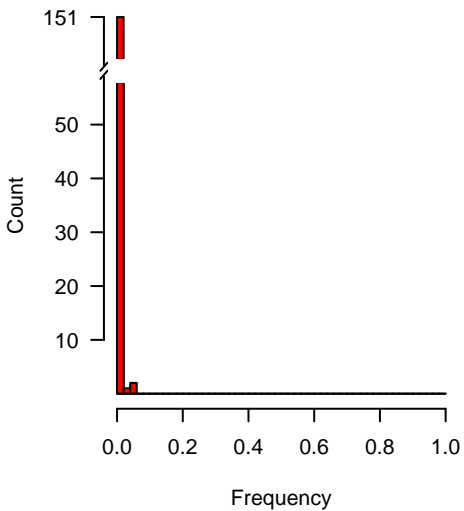
**RT site 275
AA 92**



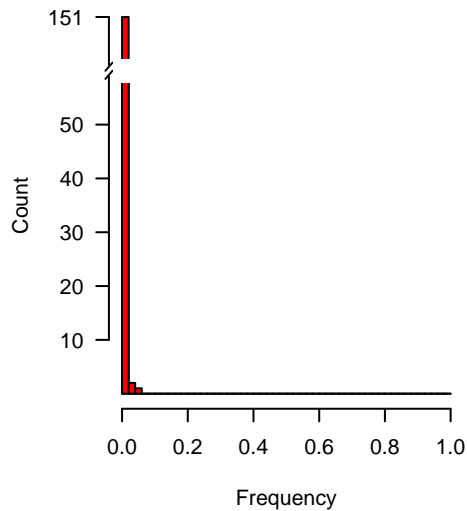
**RT site 276
AA 92**



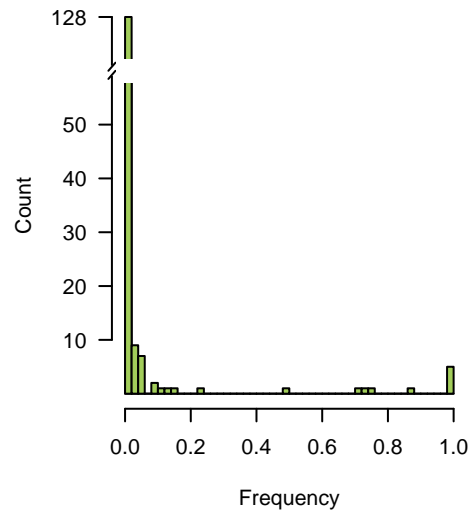
**RT site 277
AA 93**



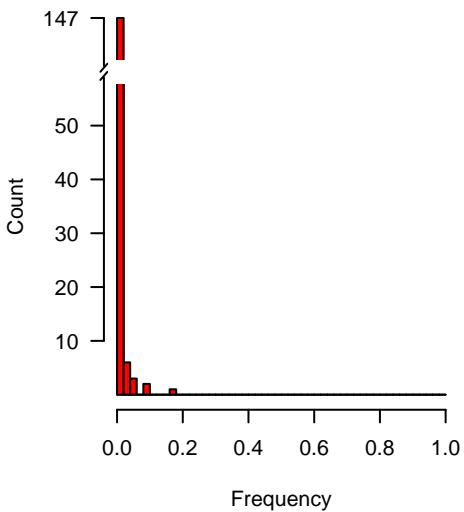
**RT site 278
AA 93**



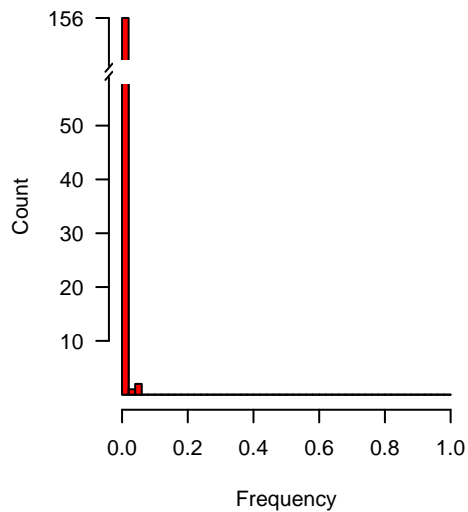
**RT site 279
AA 93**



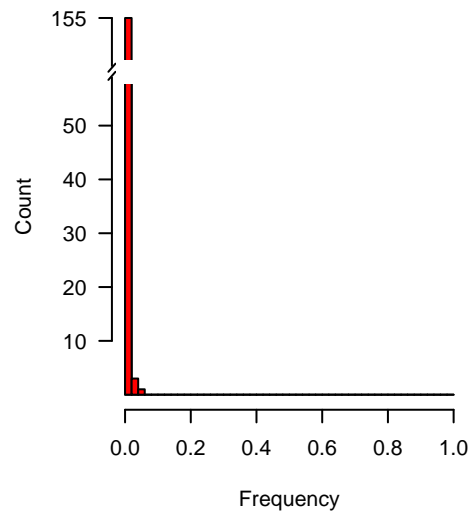
**RT site 280
AA 94**



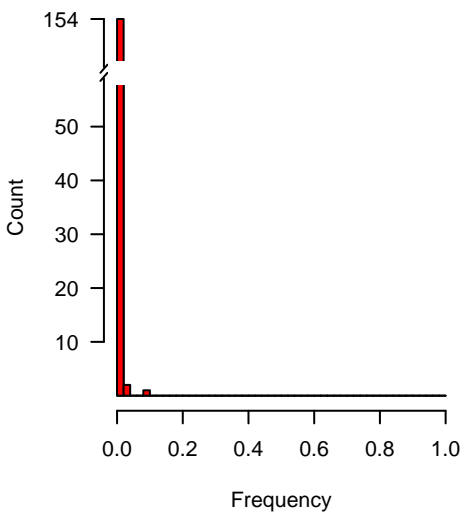
**RT site 281
AA 94**



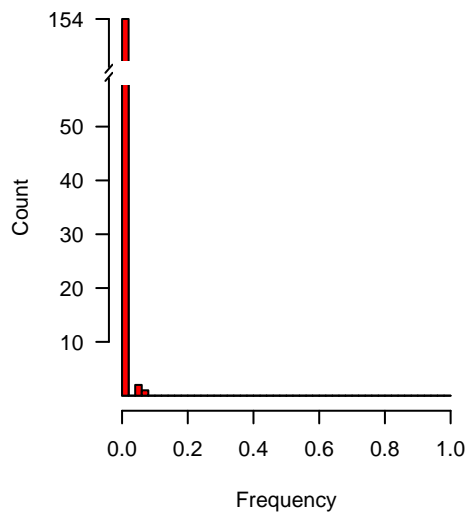
**RT site 282
AA 94**



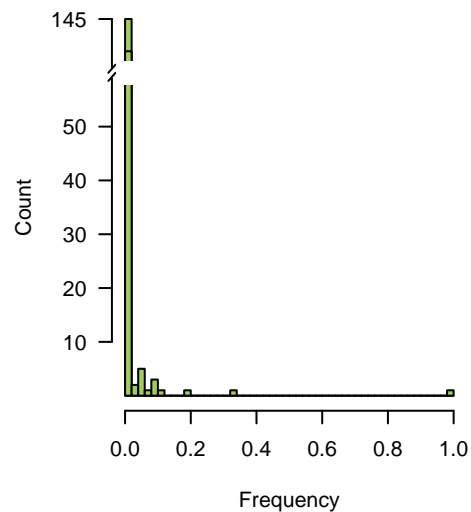
**RT site 283
AA 95**



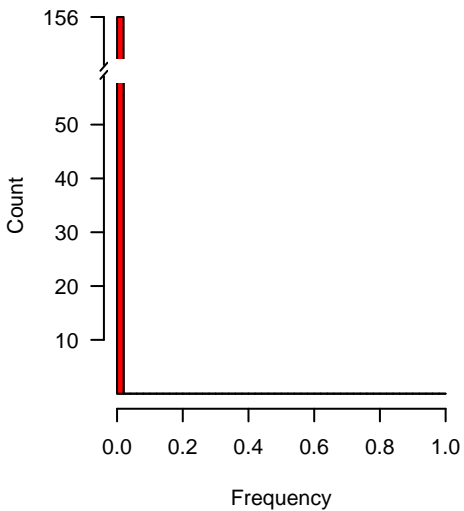
**RT site 284
AA 95**



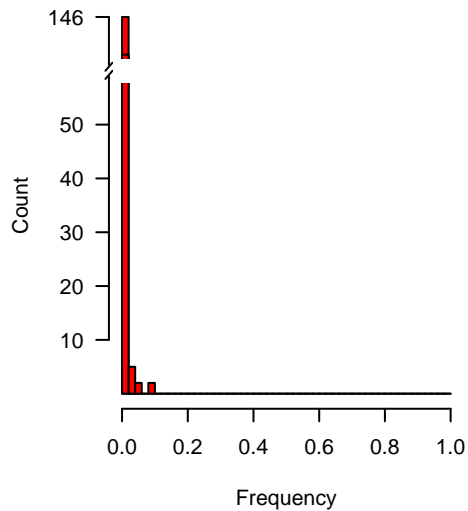
**RT site 285
AA 95**



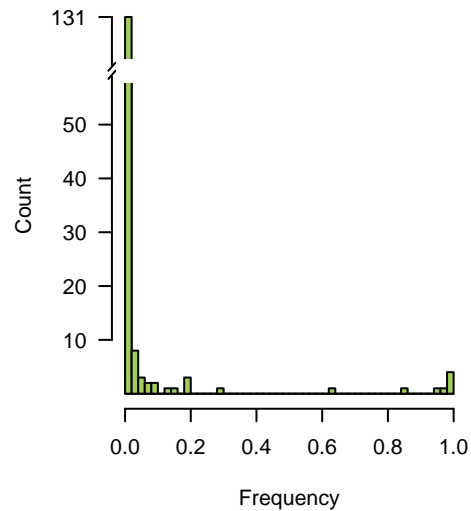
**RT site 286
AA 96**



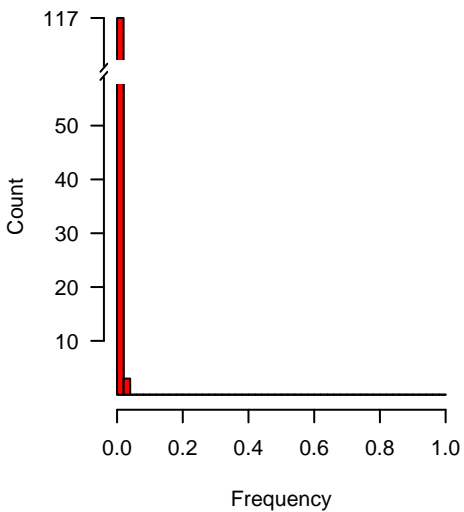
**RT site 287
AA 96**



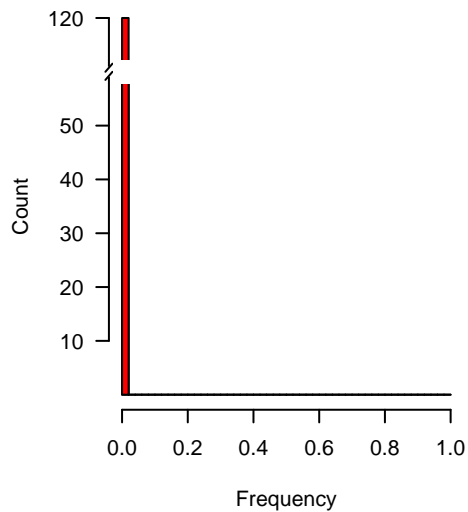
**RT site 288
AA 96**



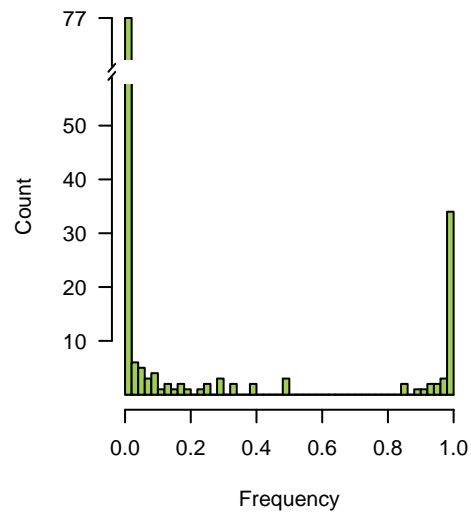
**RT site 289
AA 97**



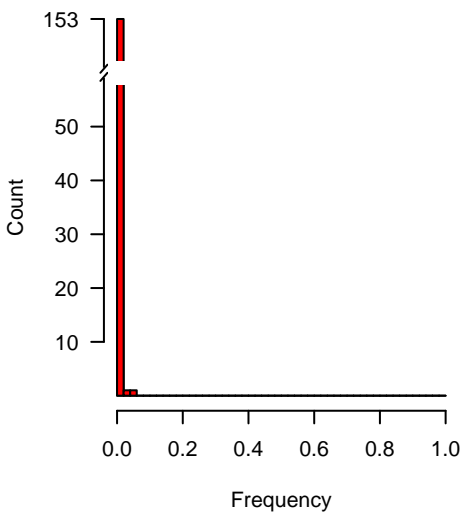
**RT site 290
AA 97**



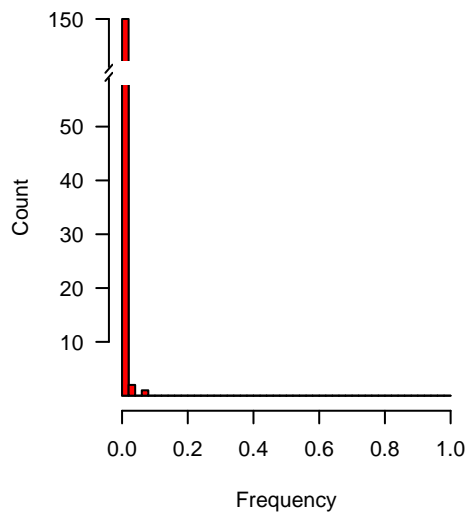
**RT site 291
AA 97 (site excluded)**



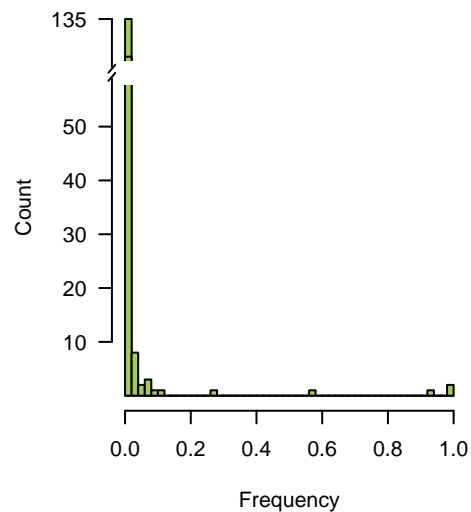
**RT site 292
AA 98**



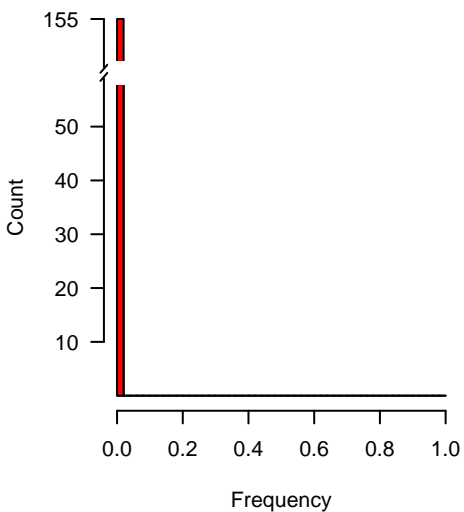
**RT site 293
AA 98**



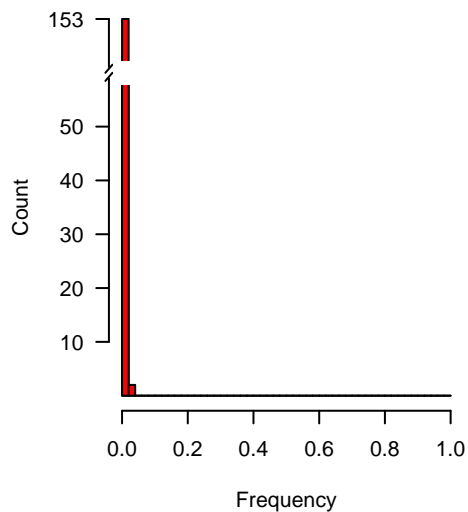
**RT site 294
AA 98**



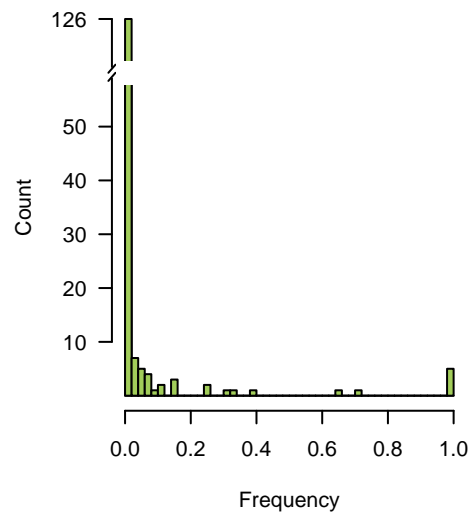
**RT site 295
AA 99**

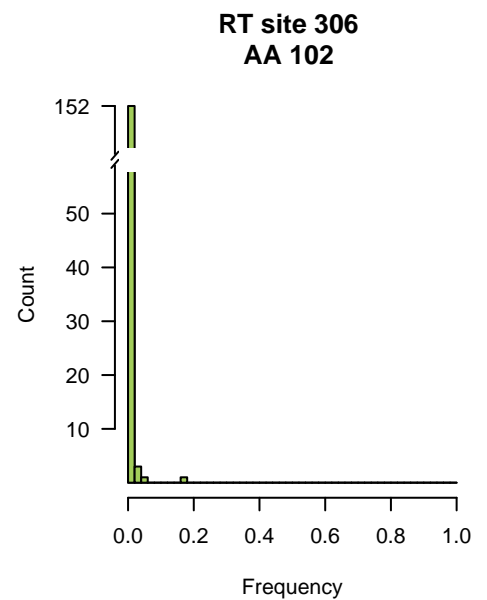
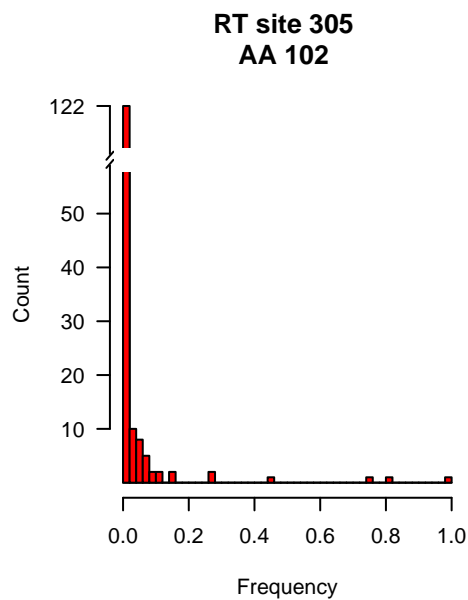
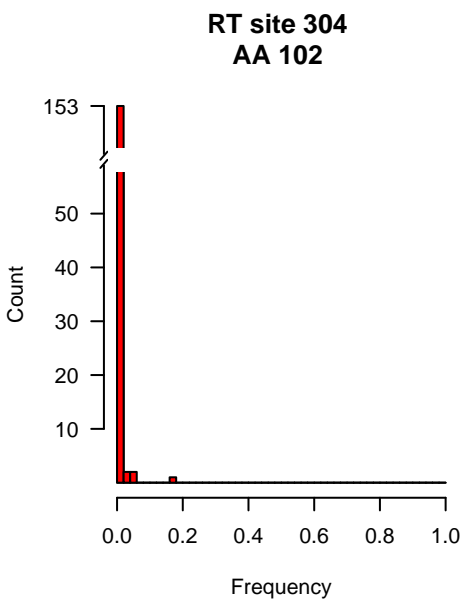
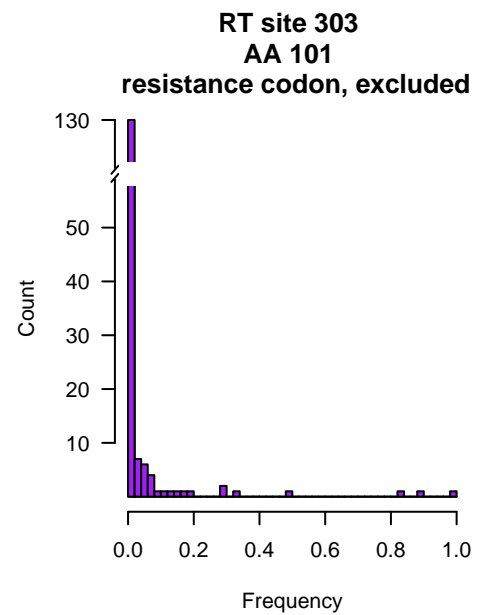
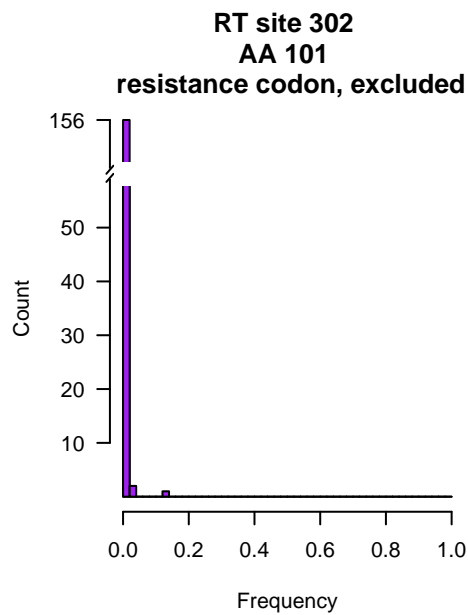
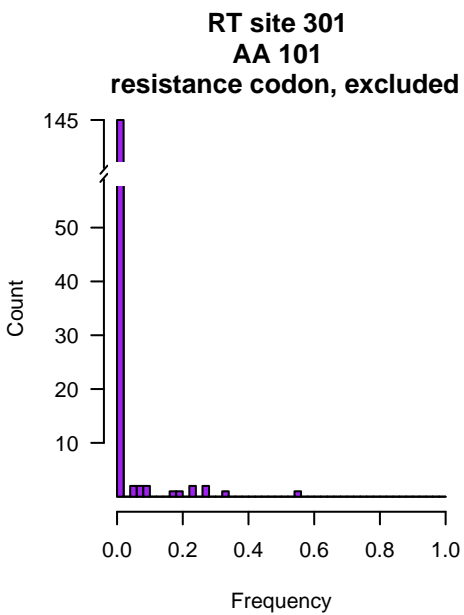
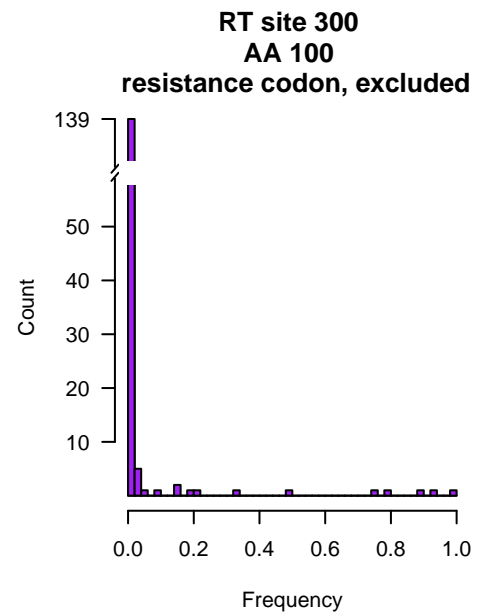
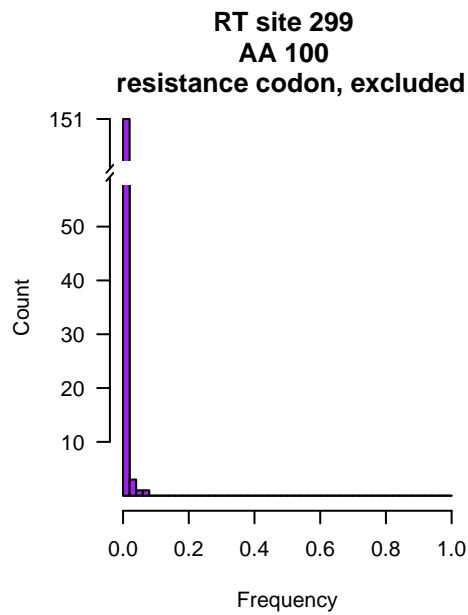
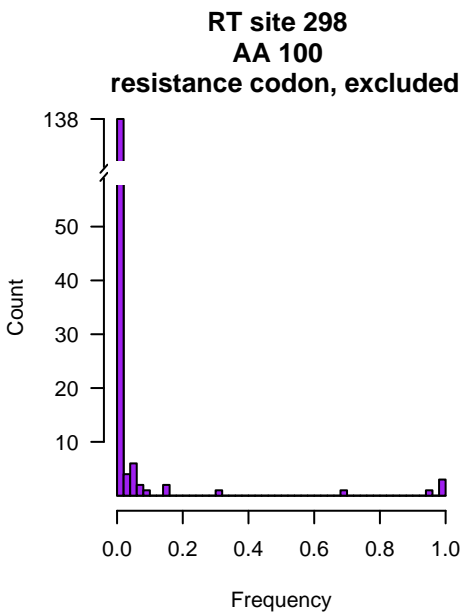


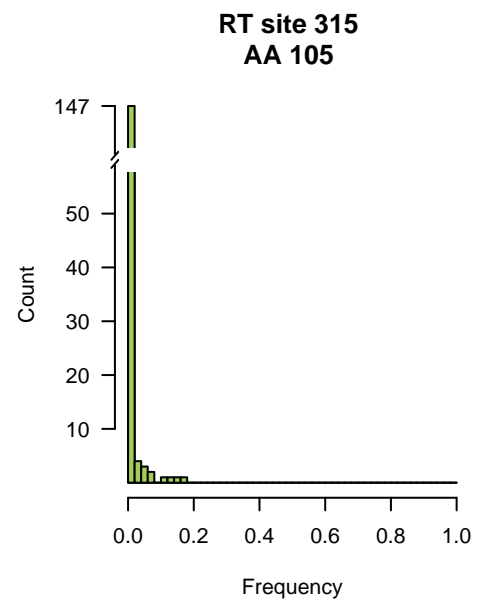
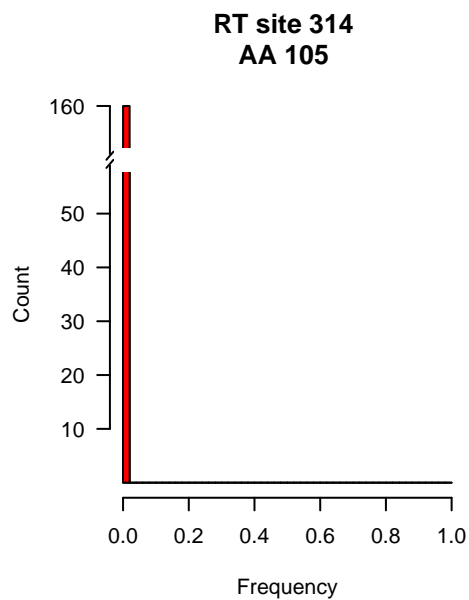
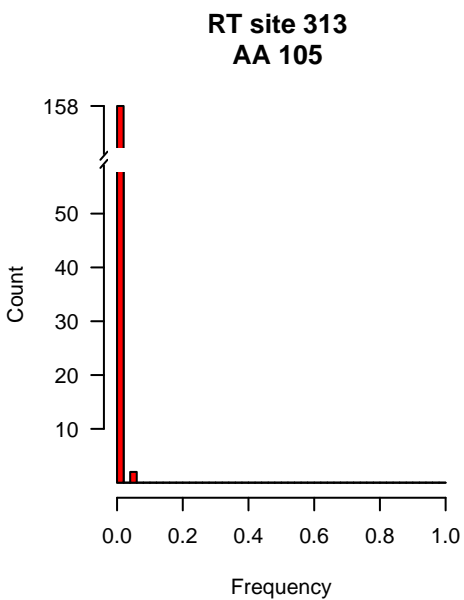
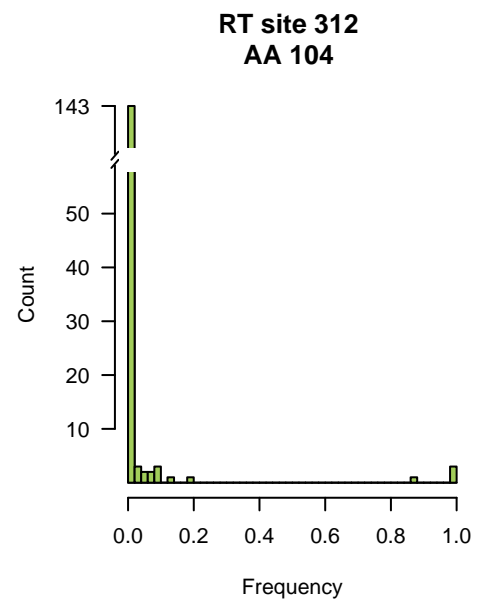
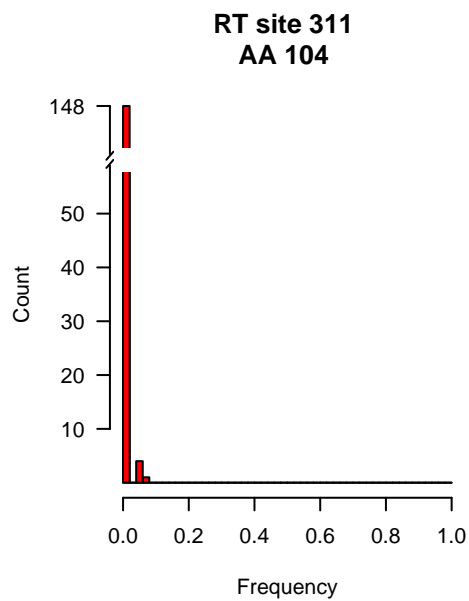
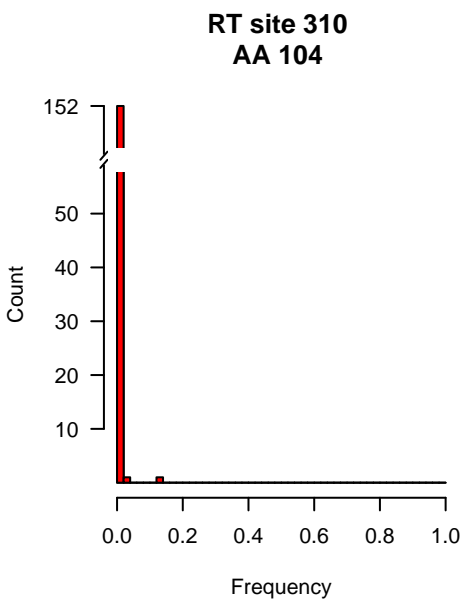
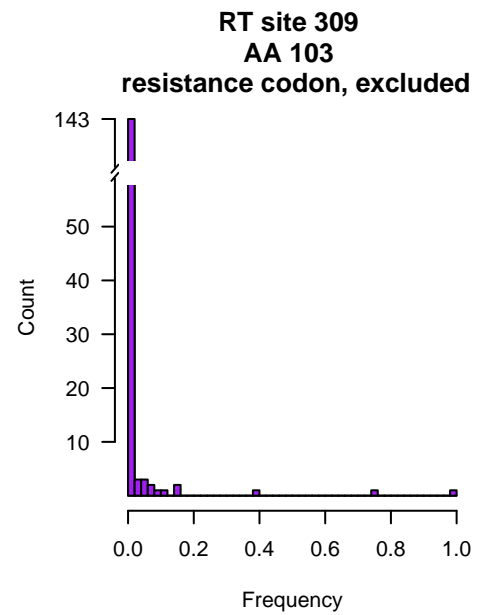
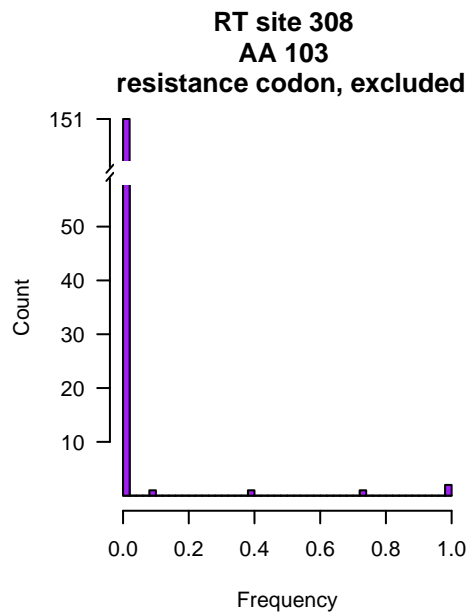
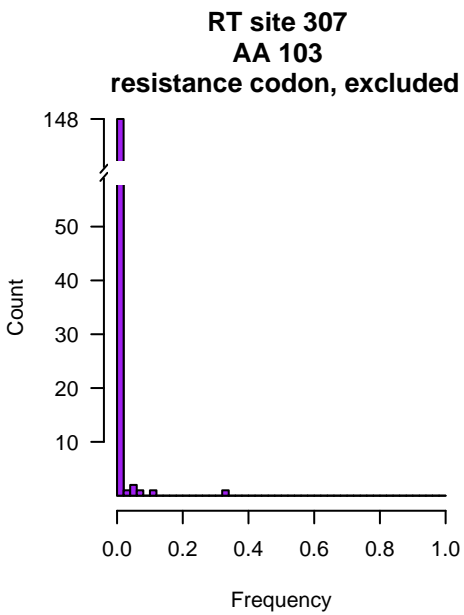
**RT site 296
AA 99**

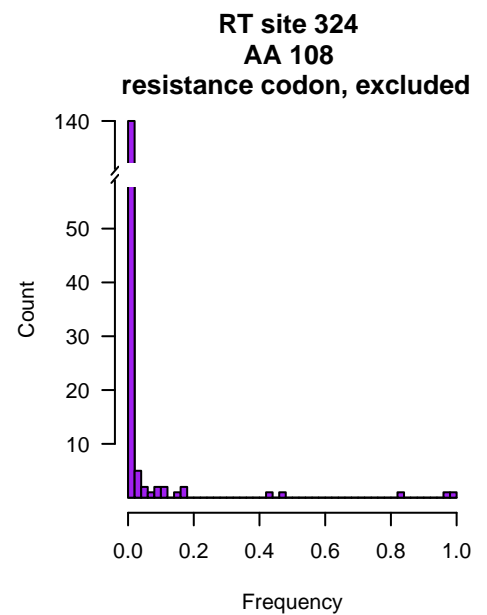
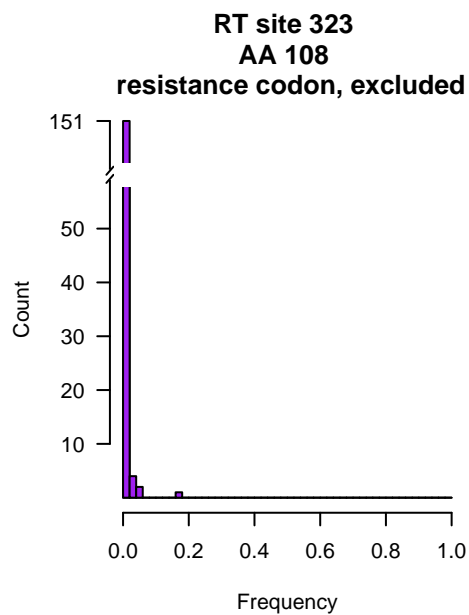
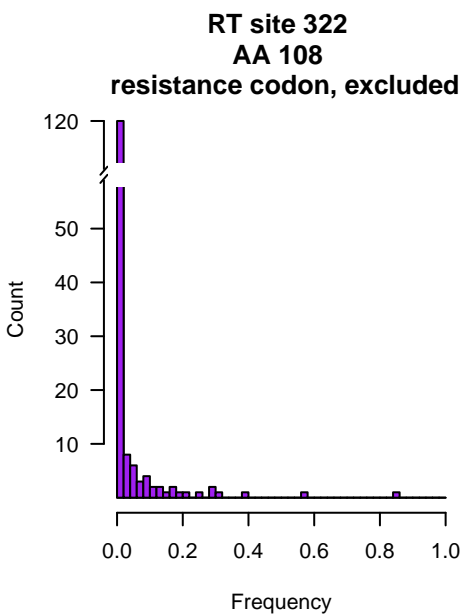
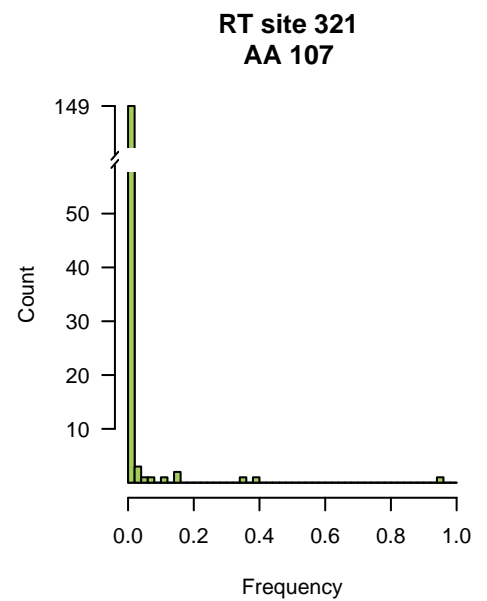
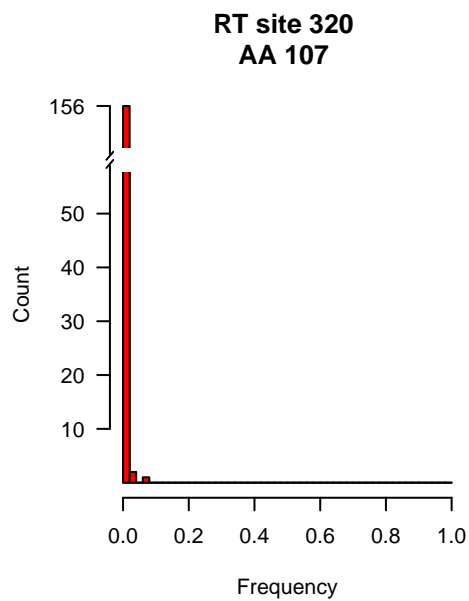
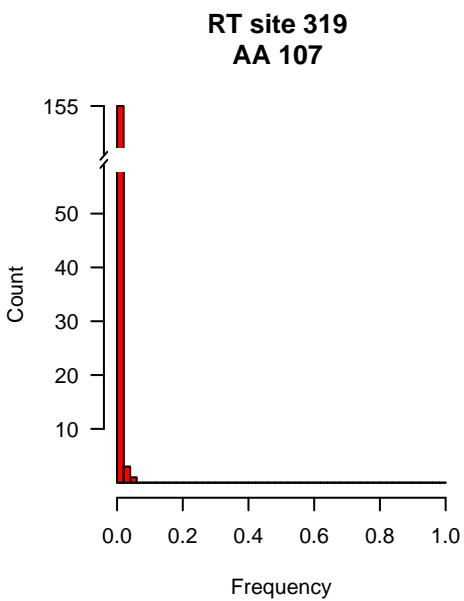
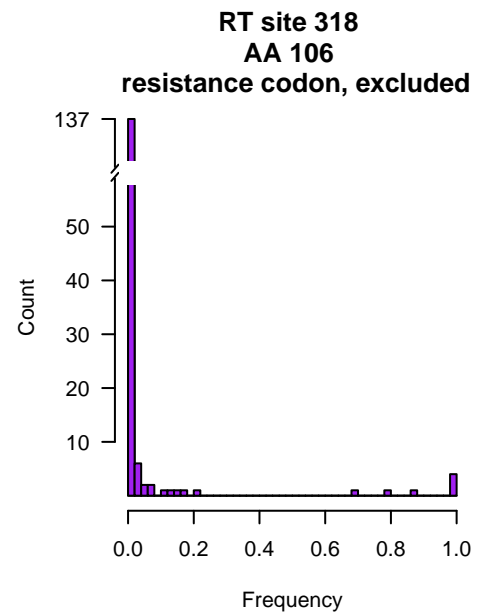
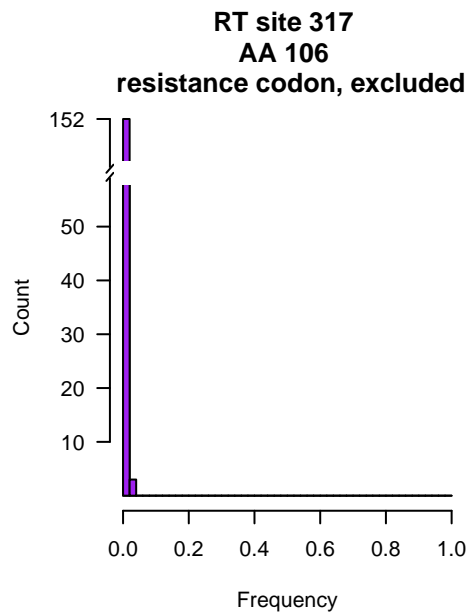
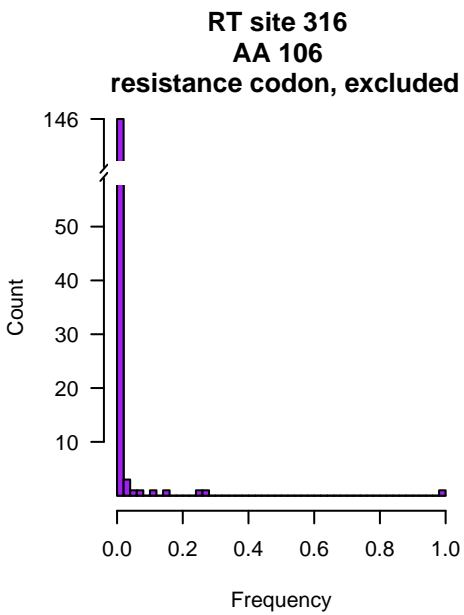


**RT site 297
AA 99**

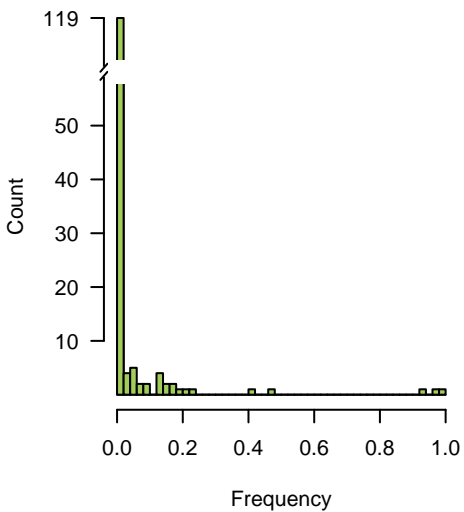




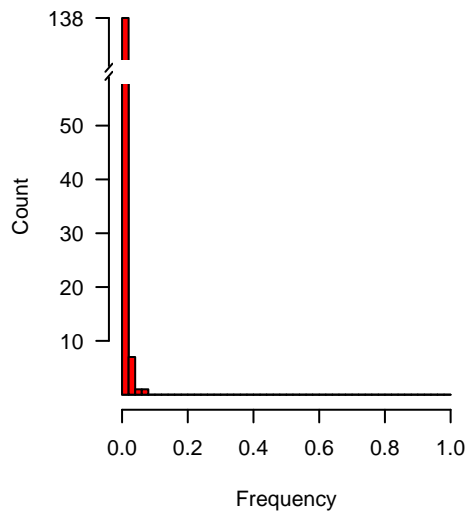




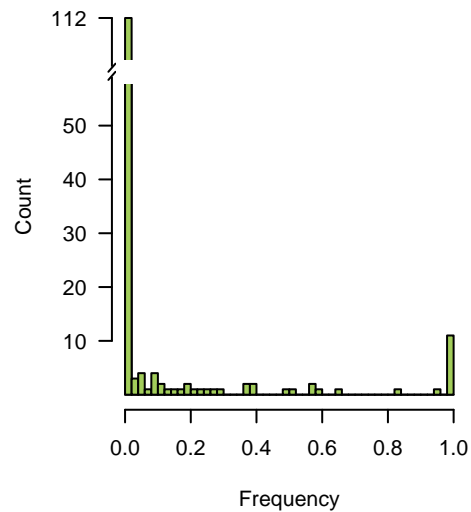
**RT site 325
AA 109**



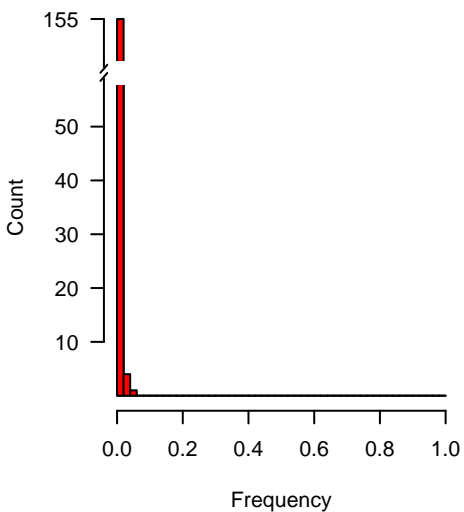
**RT site 326
AA 109**



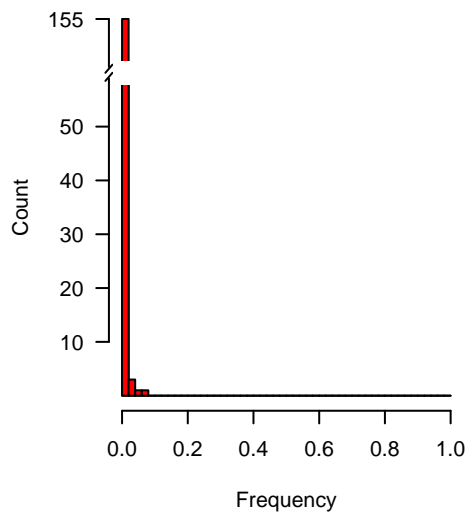
**RT site 327
AA 109 (site excluded)**



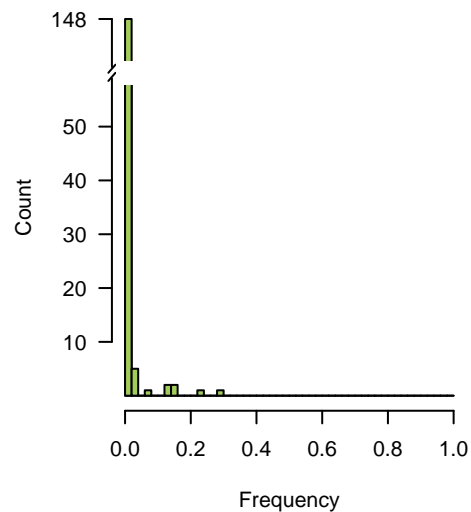
**RT site 328
AA 110**



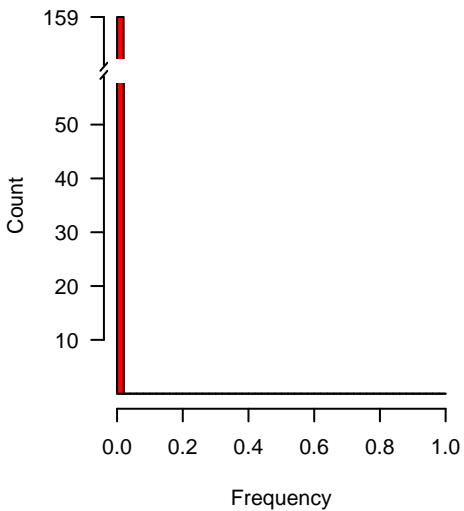
**RT site 329
AA 110**



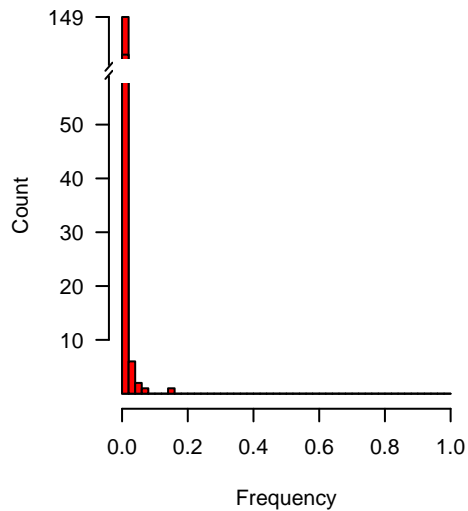
**RT site 330
AA 110**



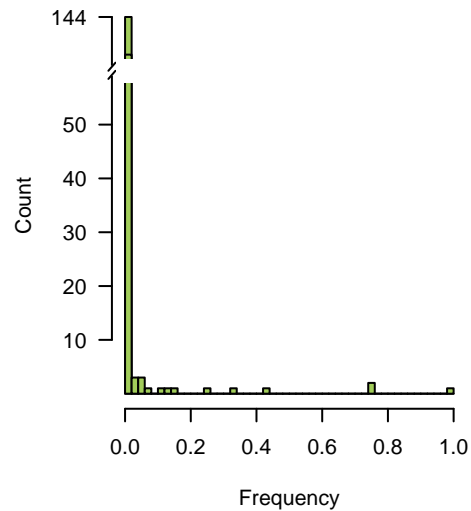
**RT site 331
AA 111**

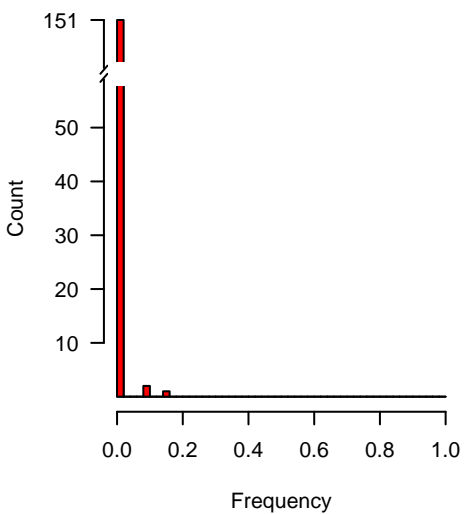
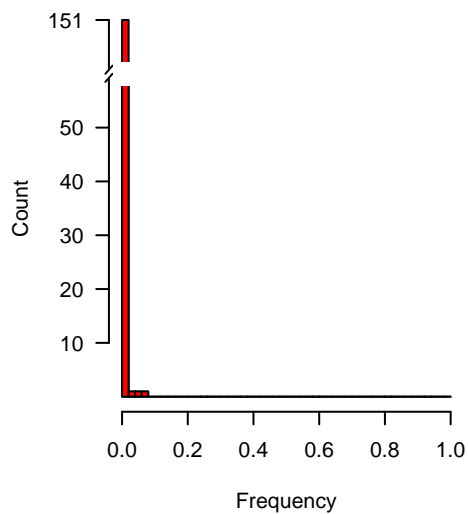
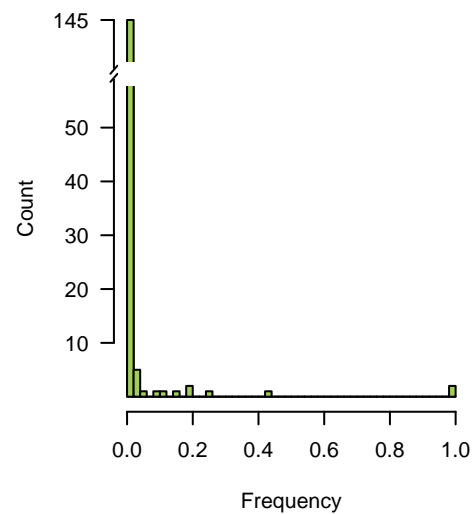
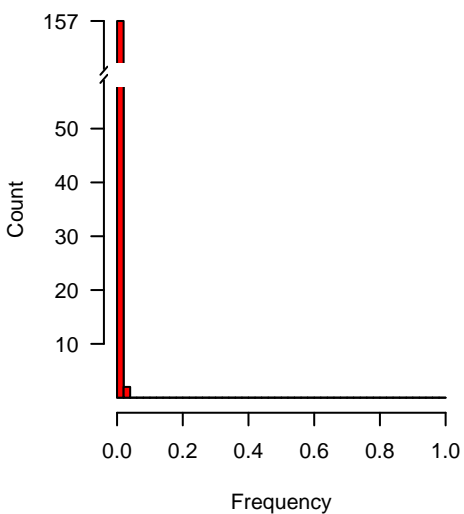
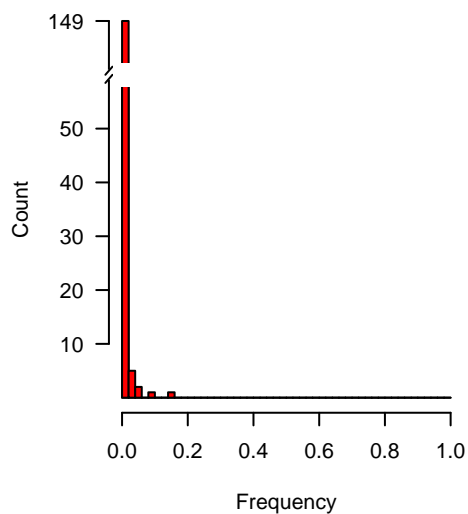
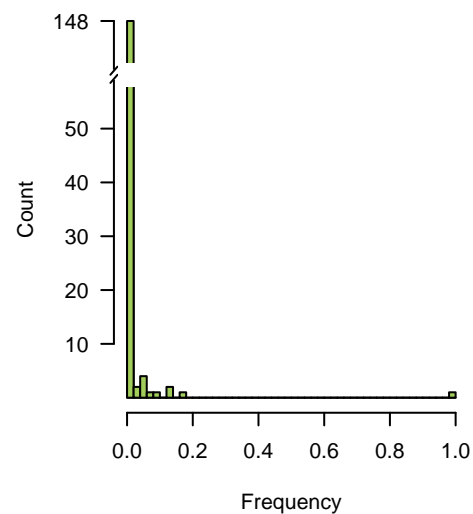
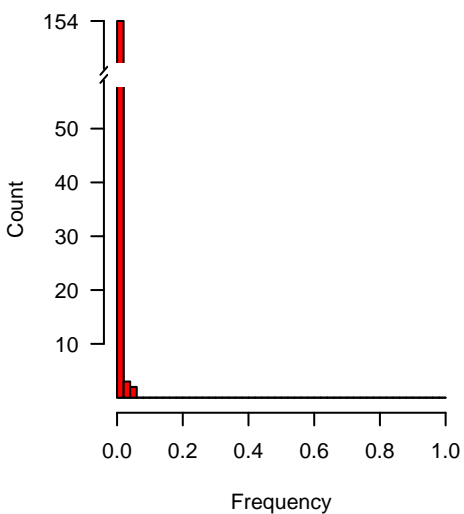


**RT site 332
AA 111**

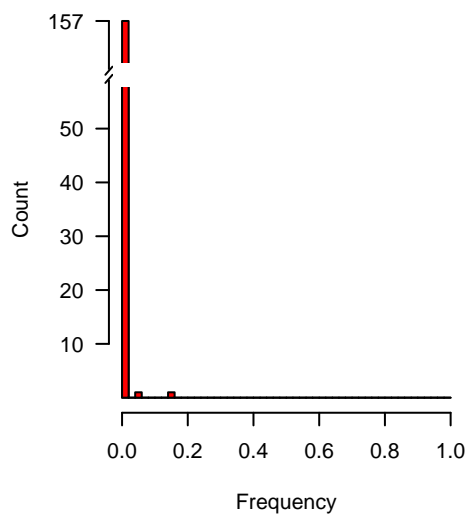
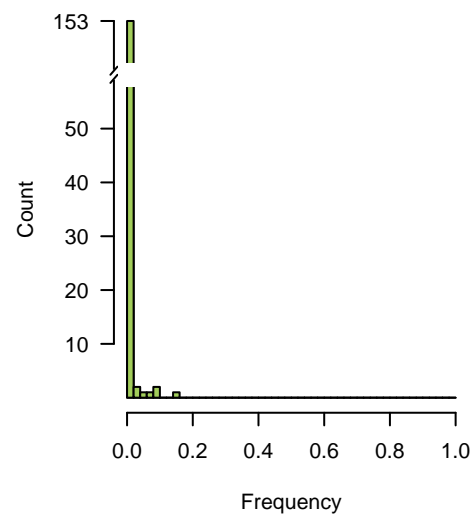


**RT site 333
AA 111**

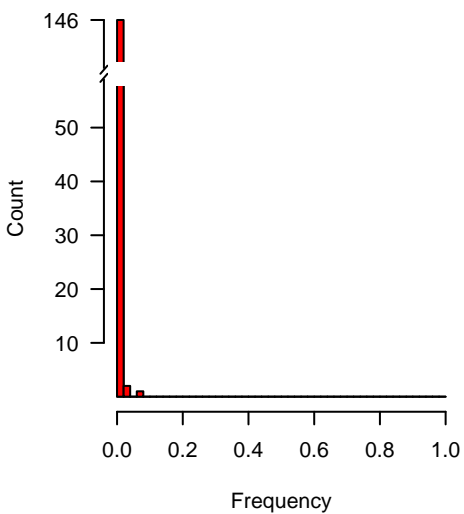


RT site 334
AA 112RT site 335
AA 112RT site 336
AA 112RT site 337
AA 113RT site 338
AA 113RT site 339
AA 113RT site 340
AA 114

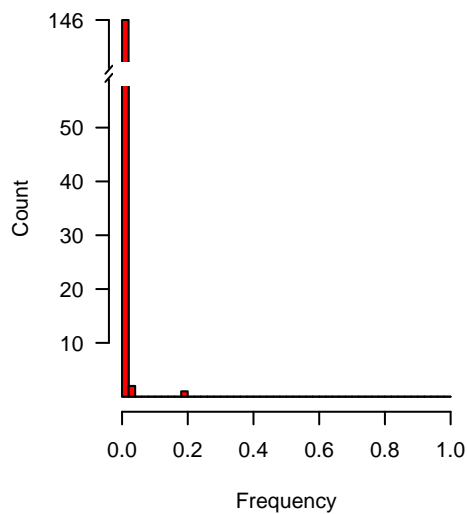
RT site 341
AA 114

RT site 342
AA 114

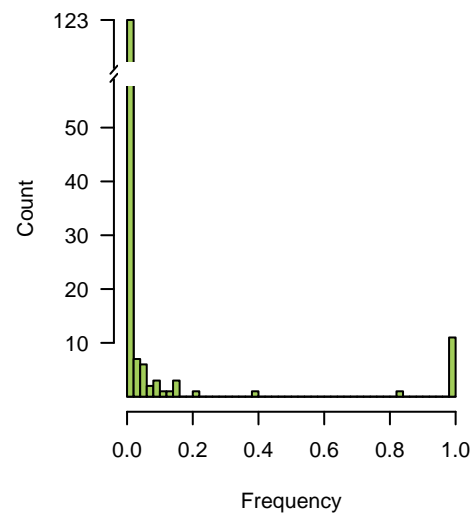
**RT site 343
AA 115**



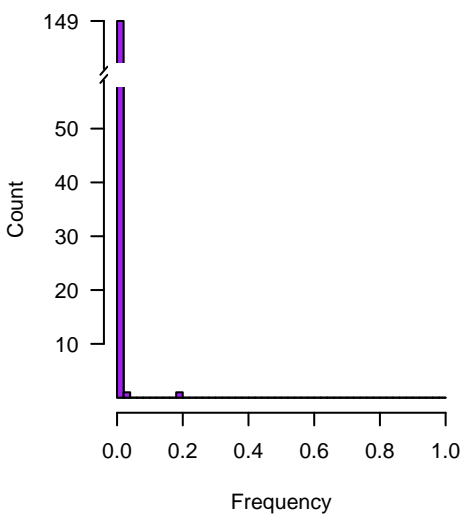
**RT site 344
AA 115**



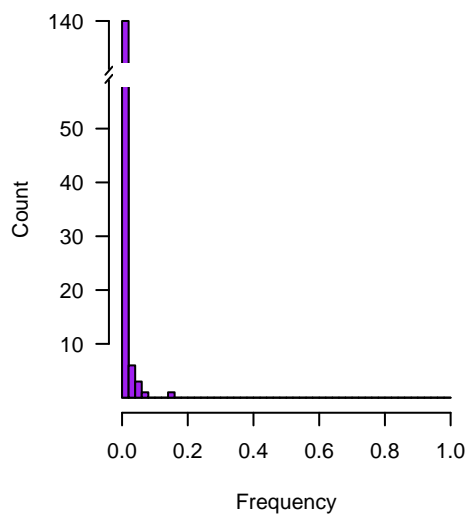
**RT site 345
AA 115**



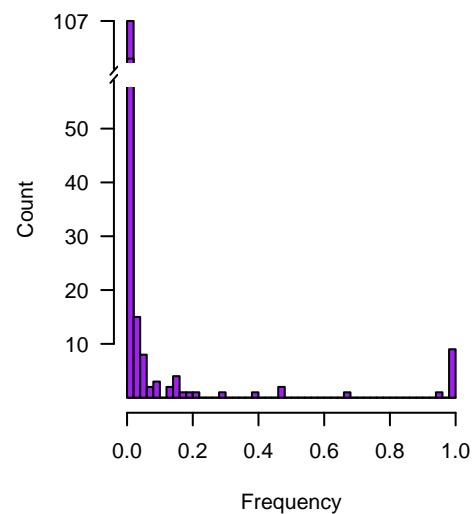
**RT site 346
AA 116
resistance codon, excluded**



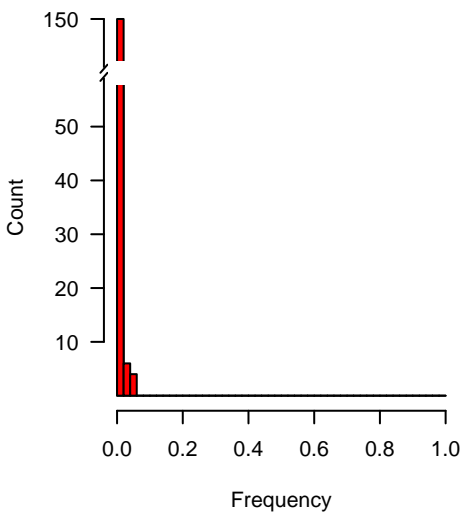
**RT site 347
AA 116
resistance codon, excluded**



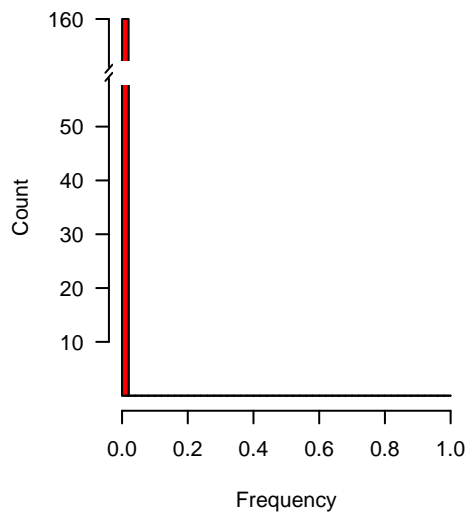
**RT site 348
AA 116
resistance codon, excluded**



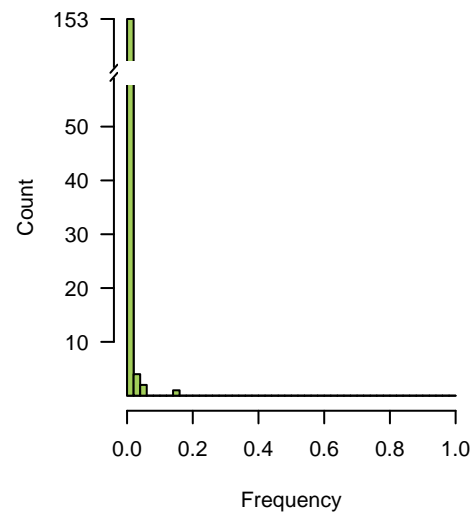
**RT site 349
AA 117**



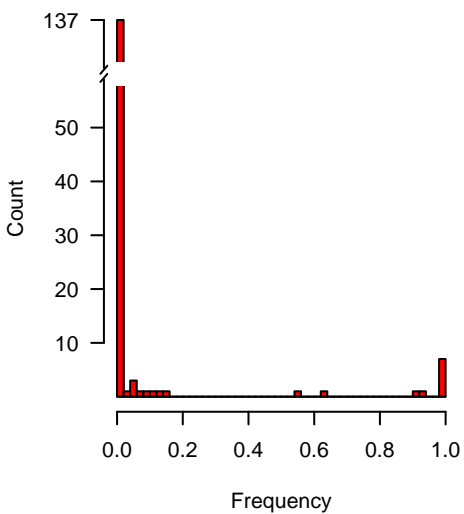
**RT site 350
AA 117**



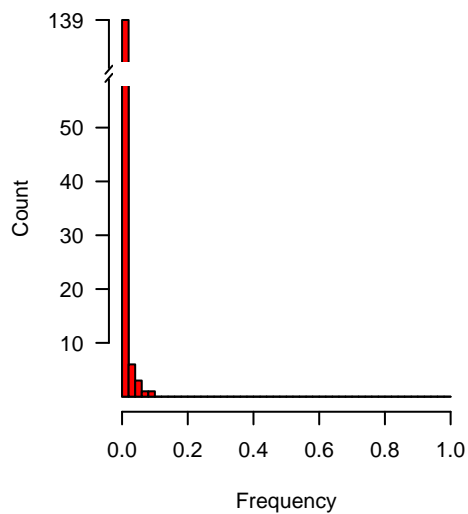
**RT site 351
AA 117**



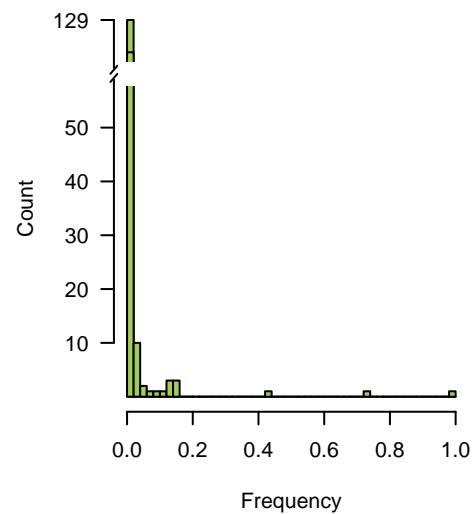
**RT site 352
AA 118**



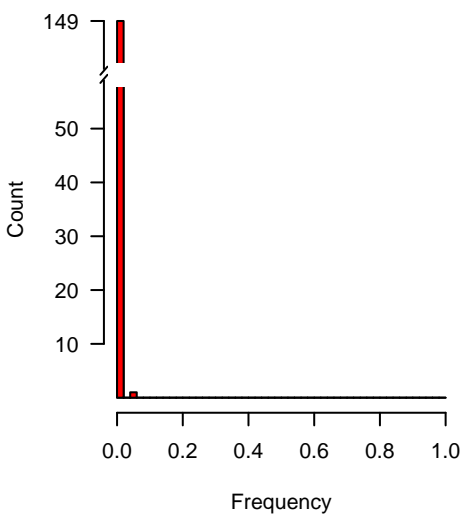
**RT site 353
AA 118**



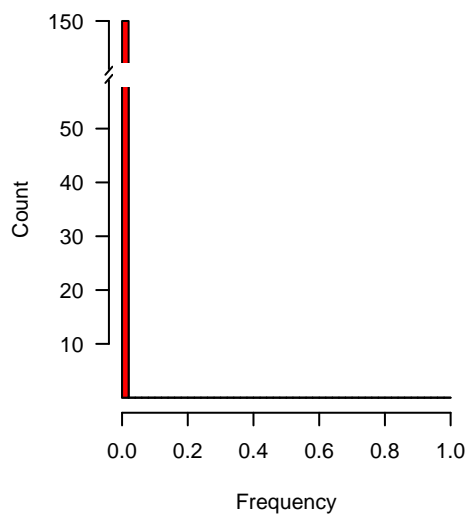
**RT site 354
AA 118**



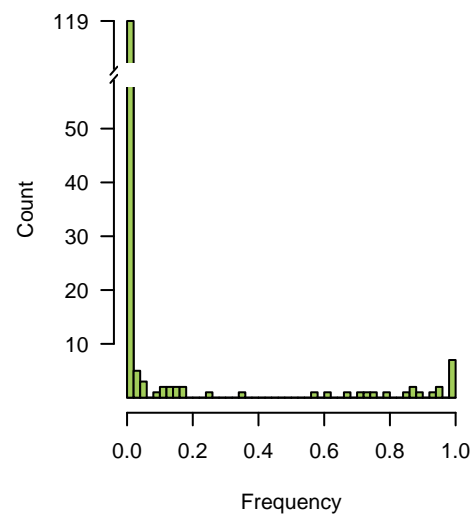
**RT site 355
AA 119**



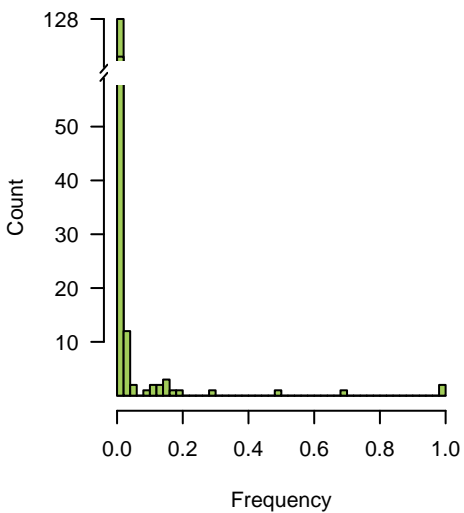
**RT site 356
AA 119**



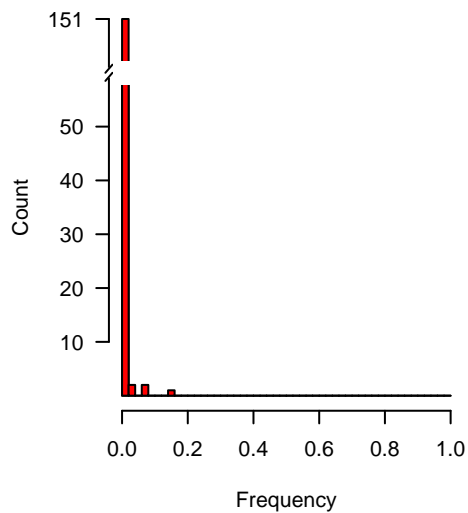
**RT site 357
AA 119 (site excluded)**



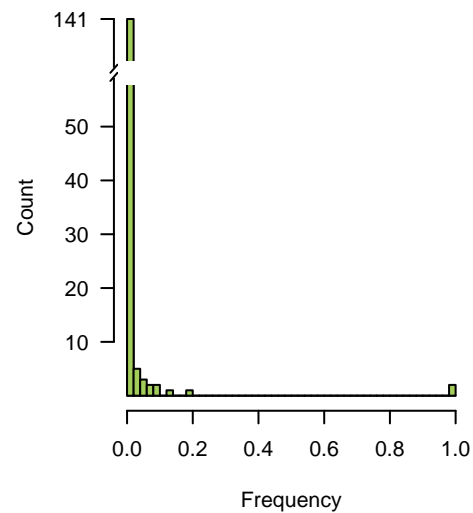
**RT site 358
AA 120**



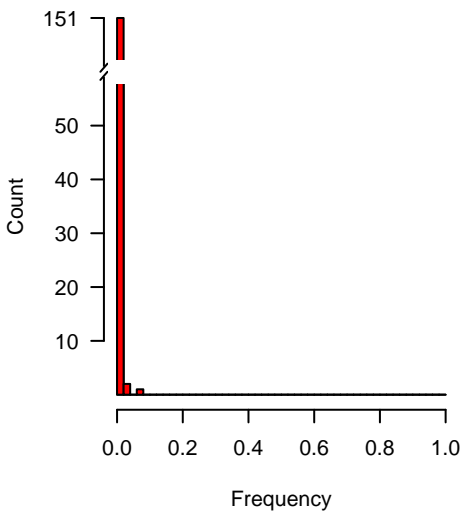
**RT site 359
AA 120**



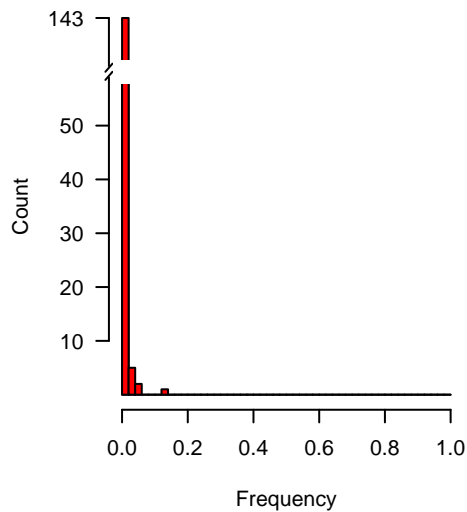
**RT site 360
AA 120**



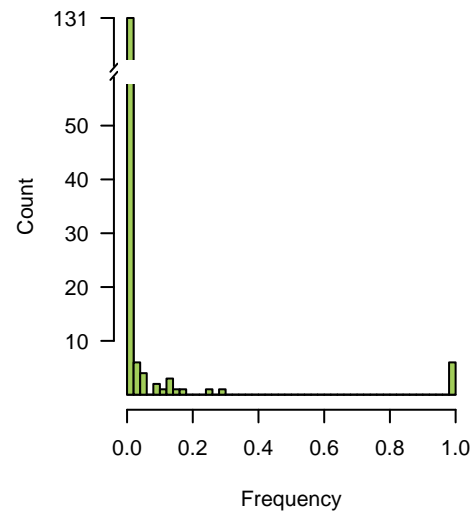
**RT site 361
AA 121**



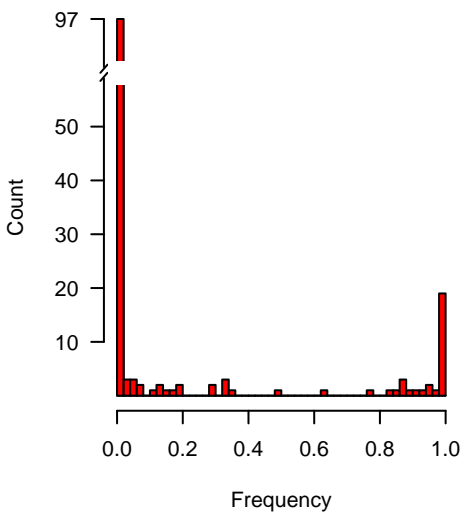
**RT site 362
AA 121**



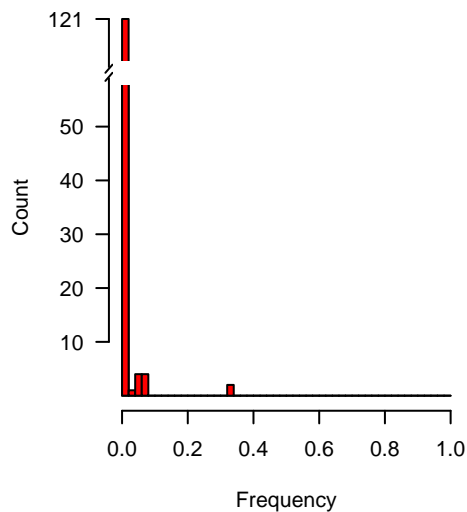
**RT site 363
AA 121**



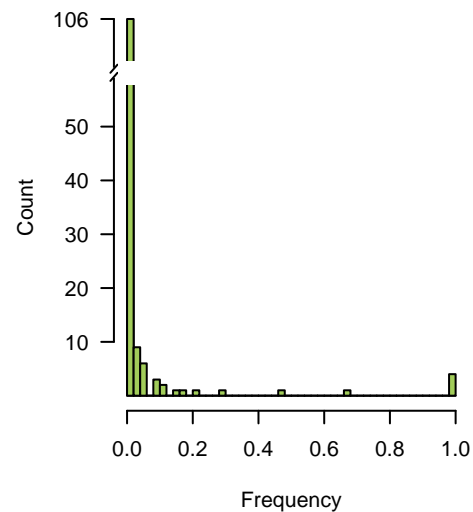
**RT site 364
AA 122 (site excluded)**



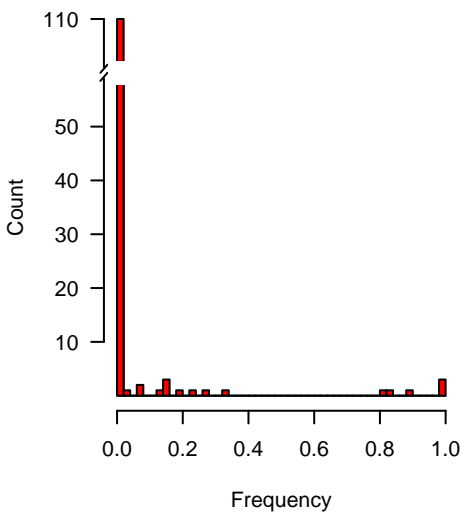
**RT site 365
AA 122**



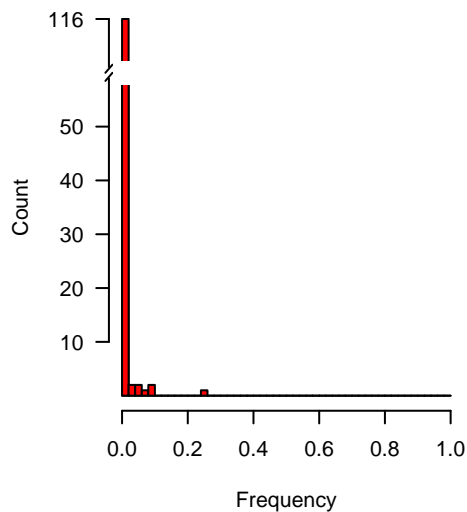
**RT site 366
AA 122**



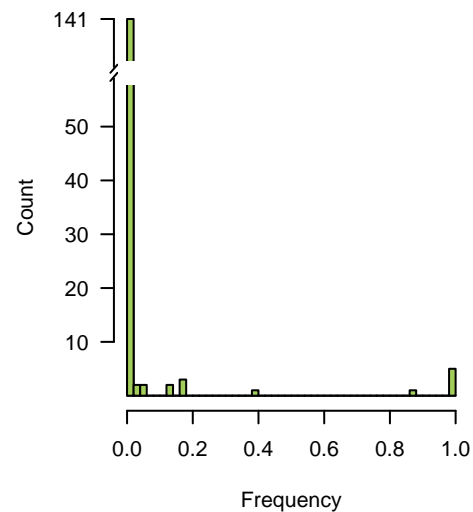
**RT site 367
AA 123**



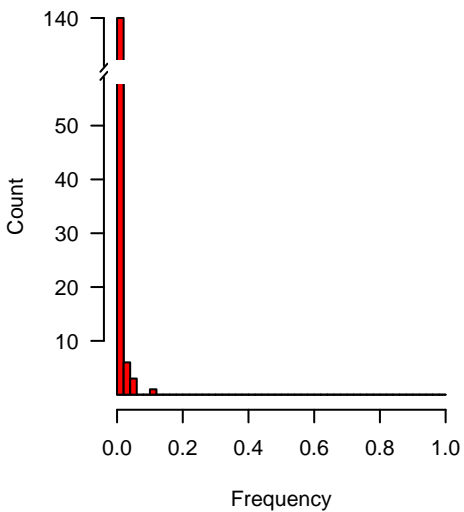
**RT site 368
AA 123**



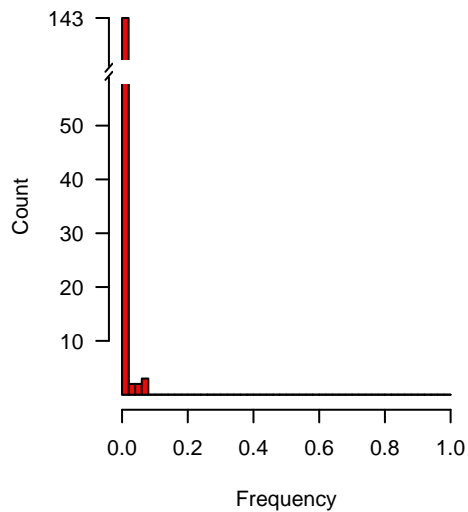
**RT site 369
AA 123 (site excluded)**



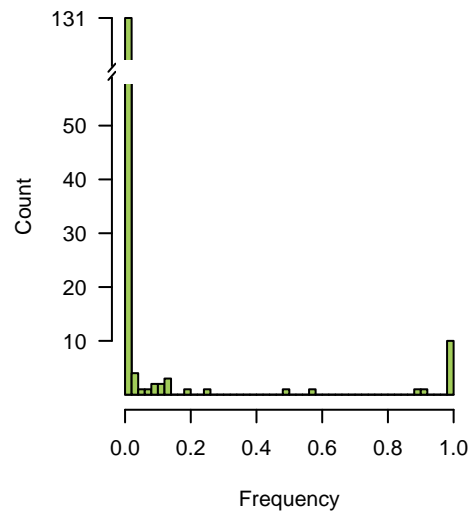
**RT site 370
AA 124**



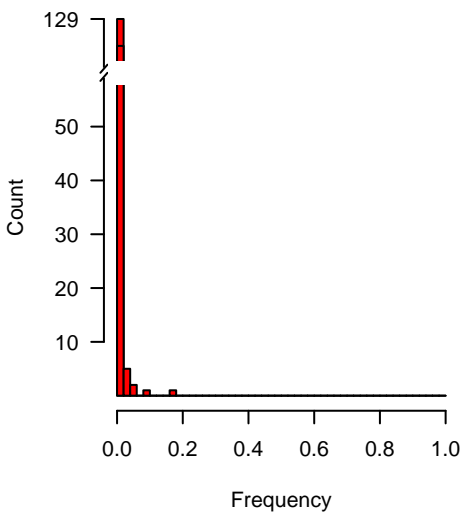
**RT site 371
AA 124**



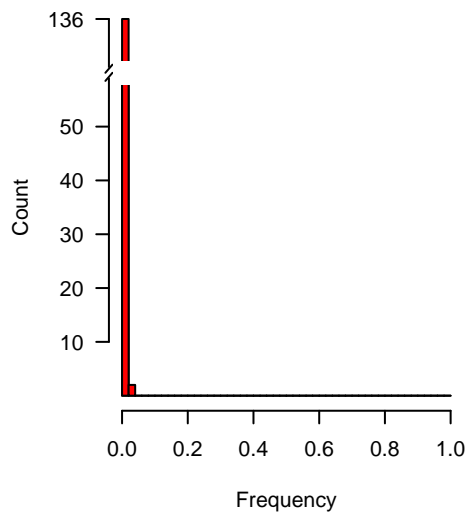
**RT site 372
AA 124**



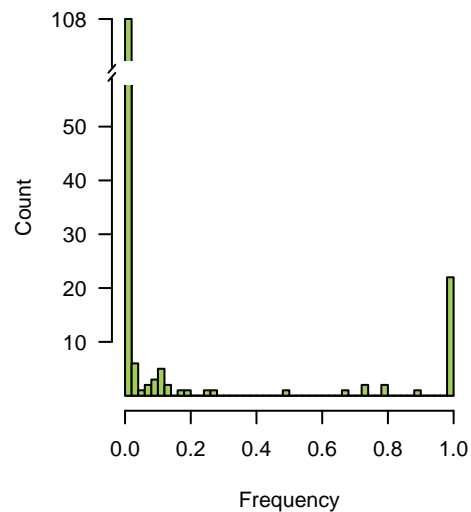
**RT site 373
AA 125**



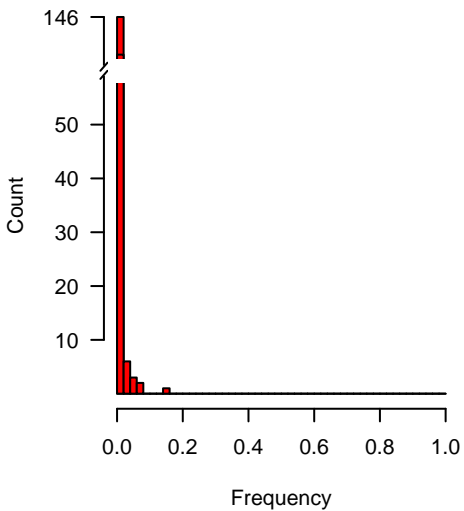
**RT site 374
AA 125**



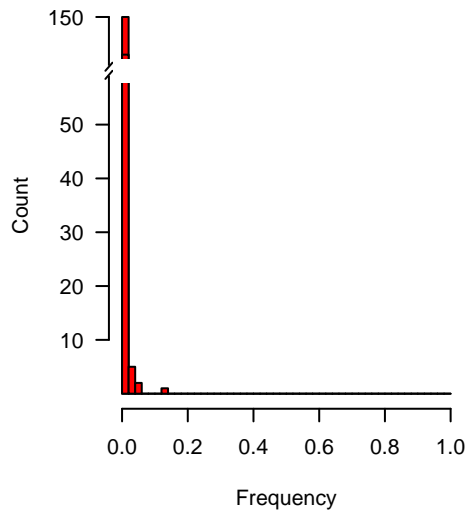
**RT site 375
AA 125 (site excluded)**



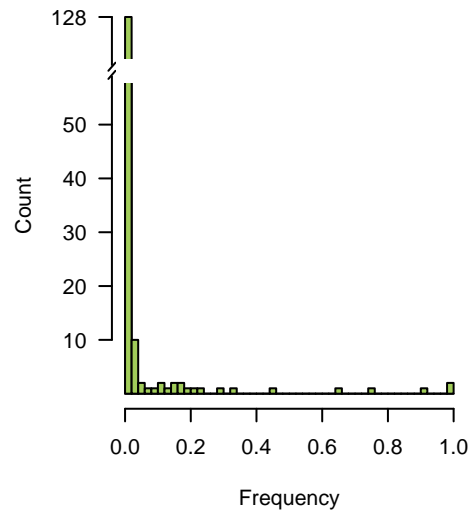
**RT site 376
AA 126**



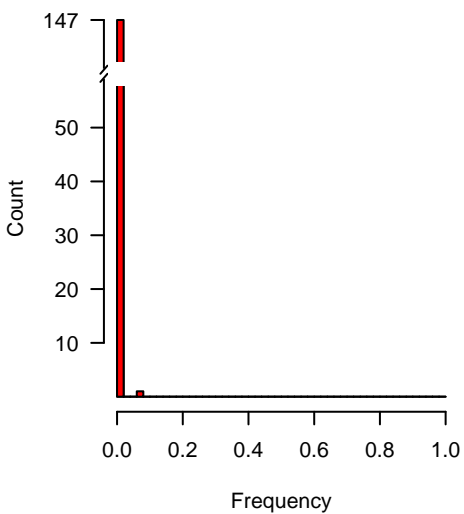
**RT site 377
AA 126**



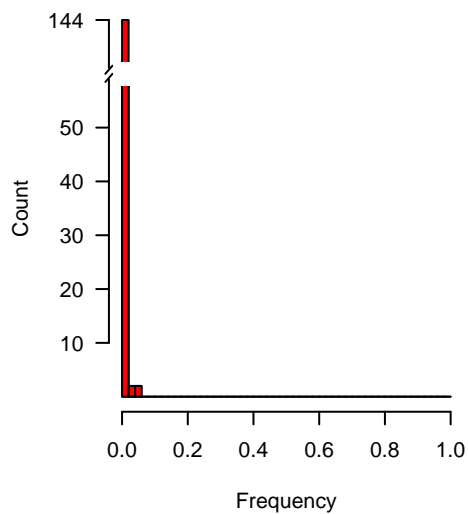
**RT site 378
AA 126**



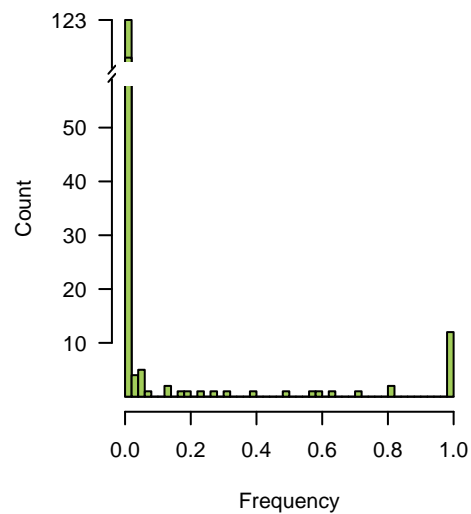
**RT site 379
AA 127**



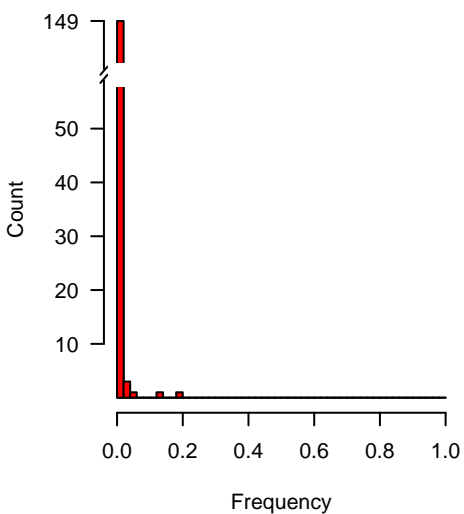
**RT site 380
AA 127**



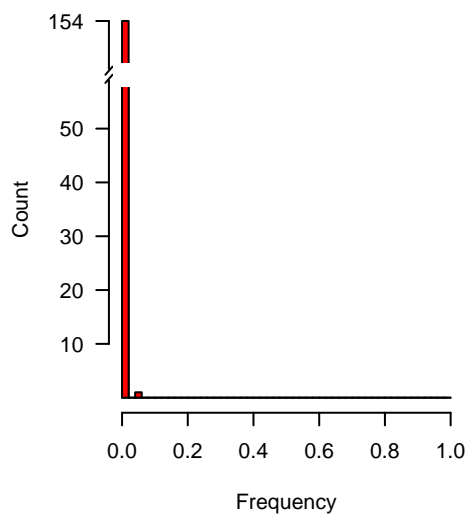
**RT site 381
AA 127 (site excluded)**



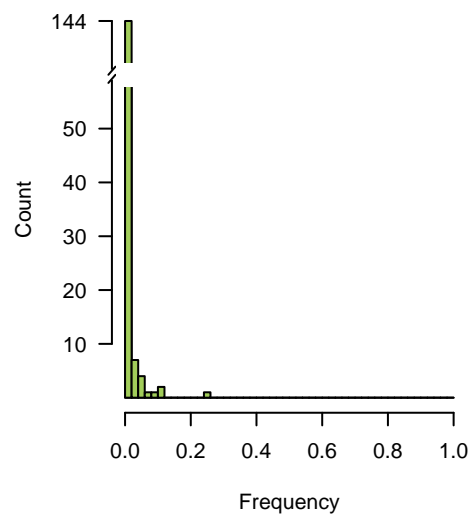
**RT site 382
AA 128**



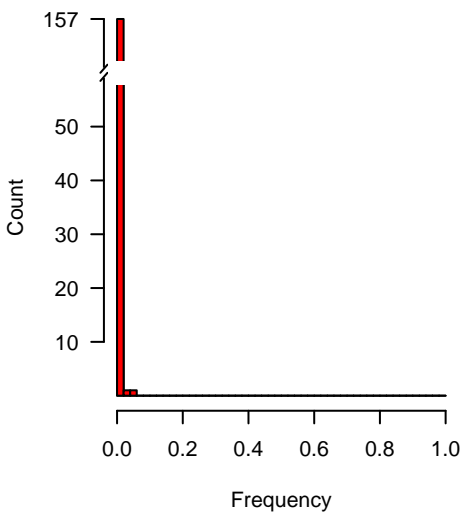
**RT site 383
AA 128**



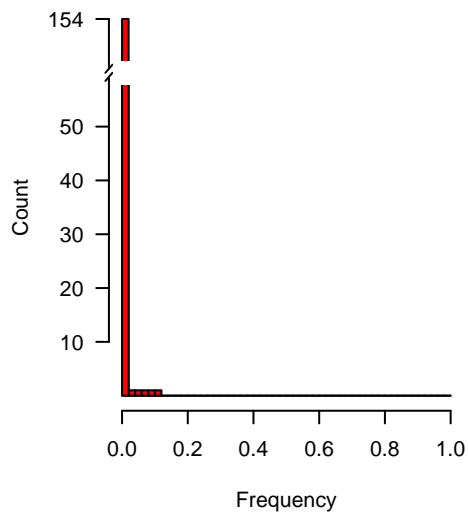
**RT site 384
AA 128**



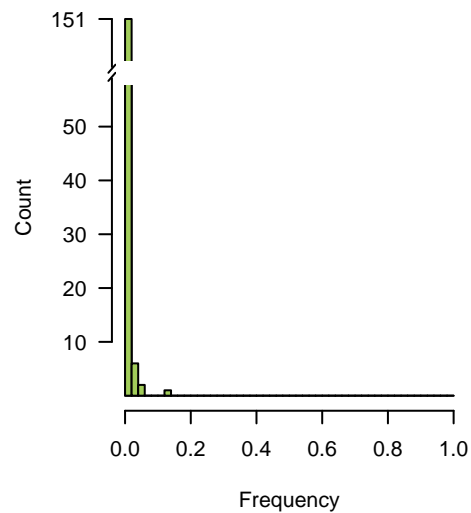
**RT site 385
AA 129**



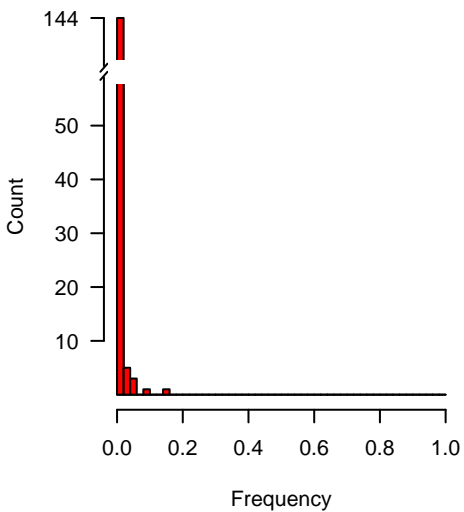
**RT site 386
AA 129**



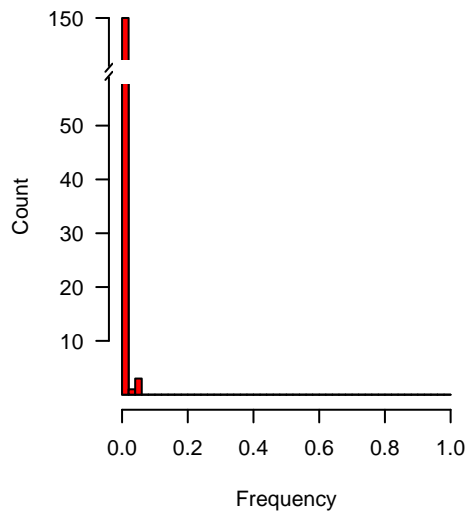
**RT site 387
AA 129**



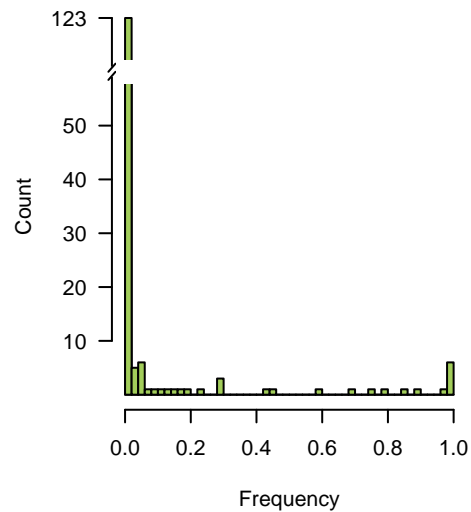
RT site 388
AA 130



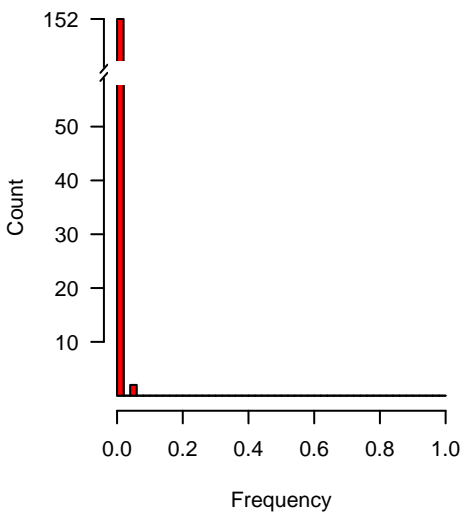
RT site 389
AA 130



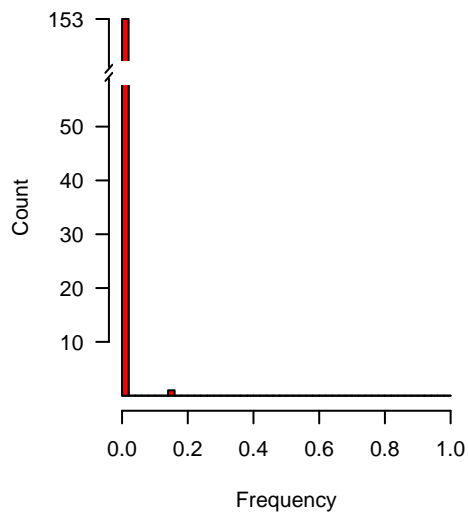
RT site 390
AA 130



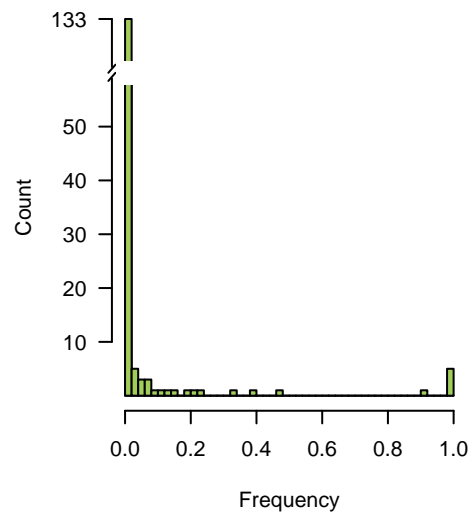
RT site 391
AA 131



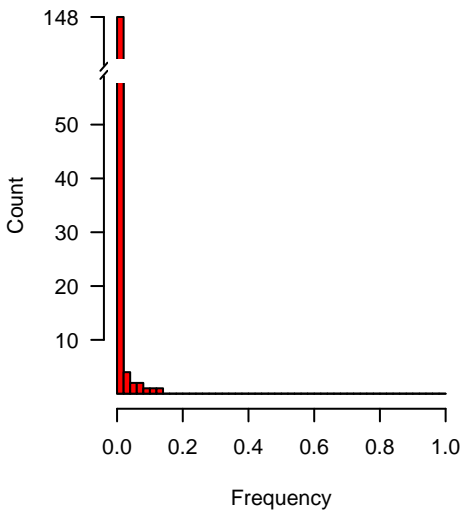
RT site 392
AA 131



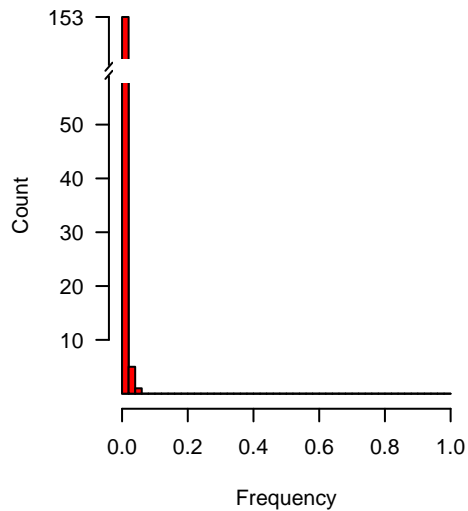
RT site 393
AA 131



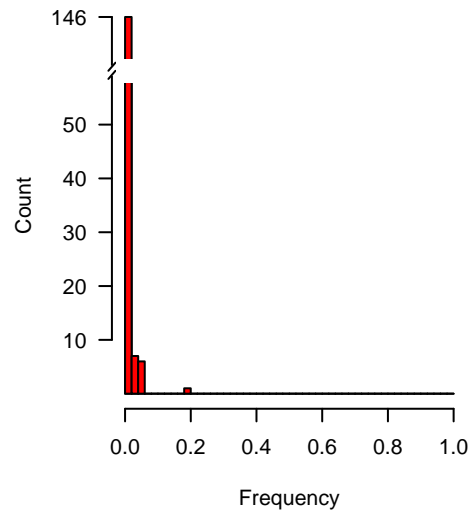
RT site 394
AA 132



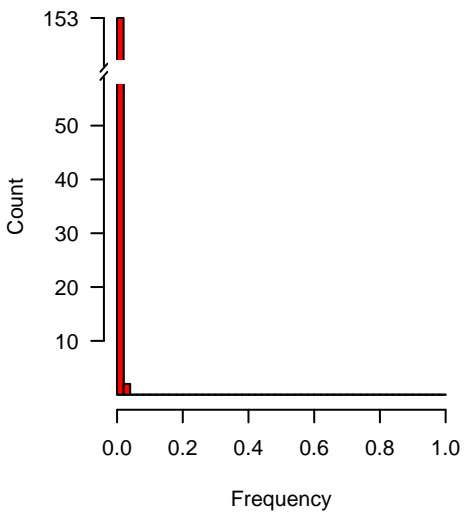
RT site 395
AA 132



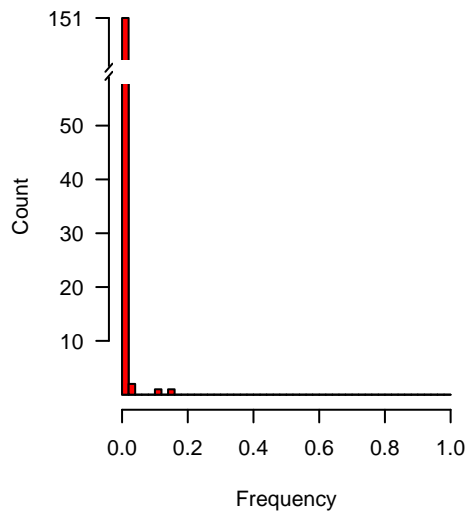
RT site 396
AA 132



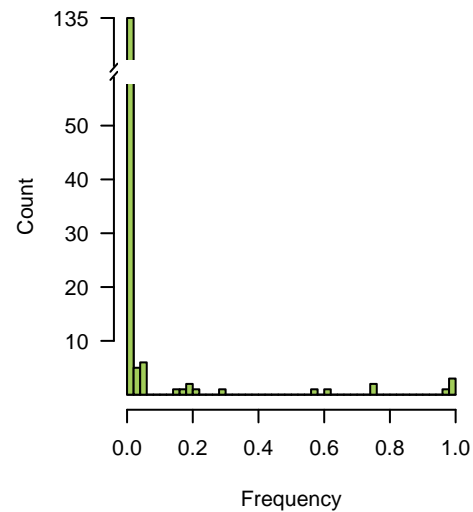
RT site 397
AA 133



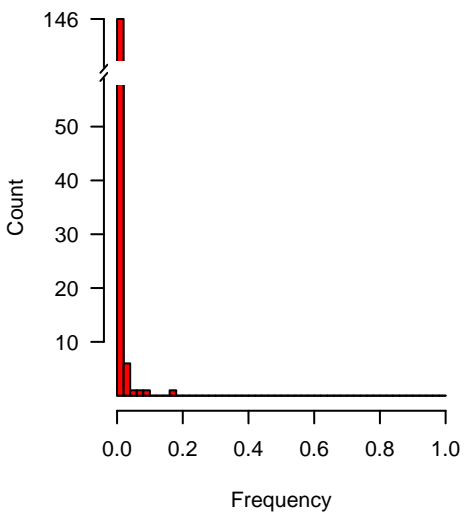
RT site 398
AA 133



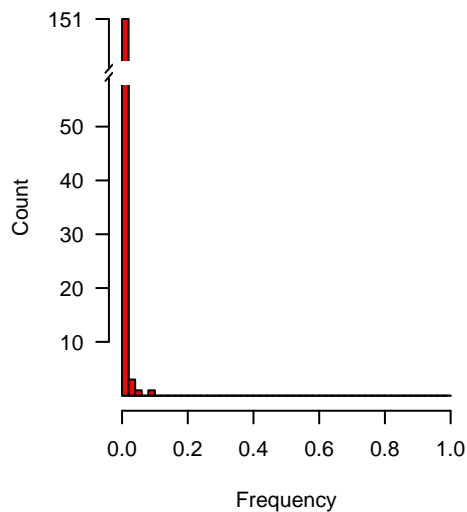
RT site 399
AA 133



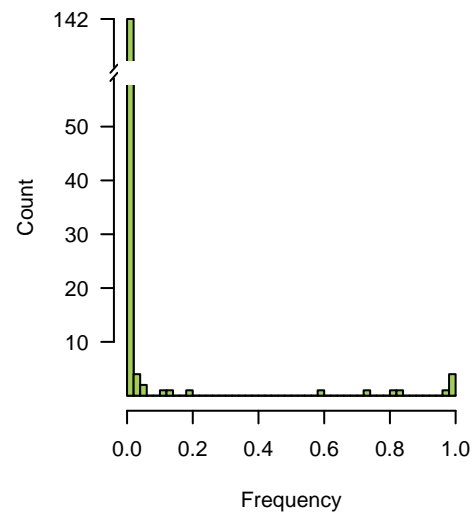
RT site 400
AA 134



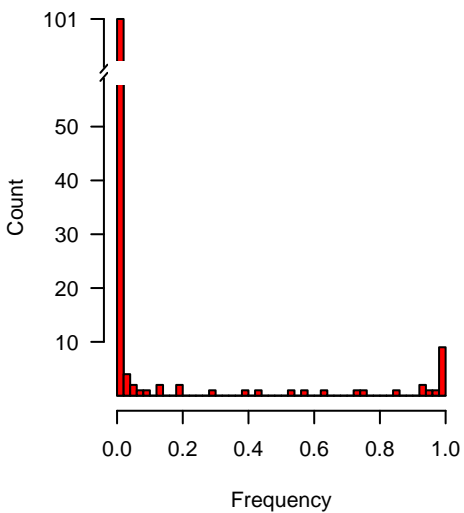
RT site 401
AA 134



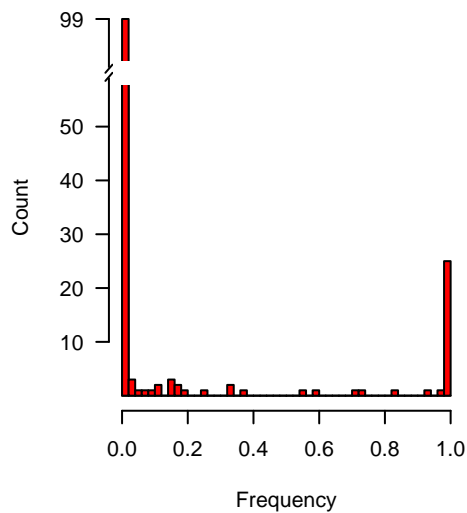
RT site 402
AA 134



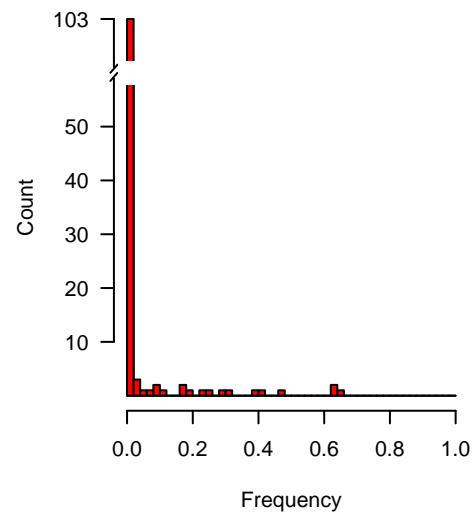
RT site 403
AA 135 (site excluded)



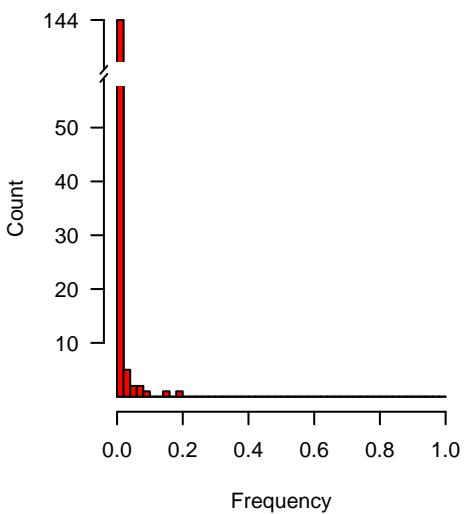
RT site 404
AA 135 (site excluded)



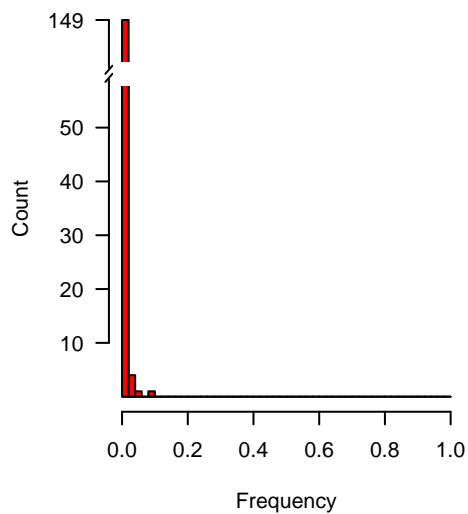
RT site 405
AA 135



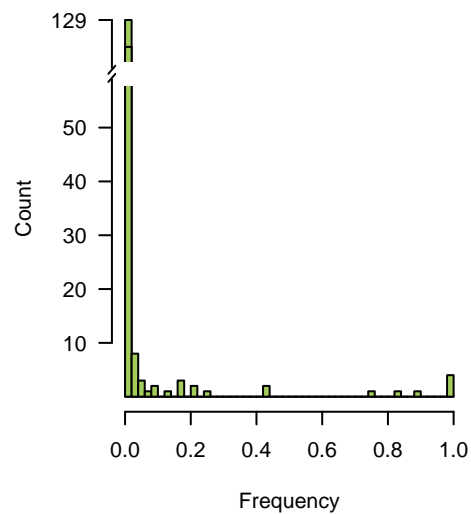
RT site 406
AA 136



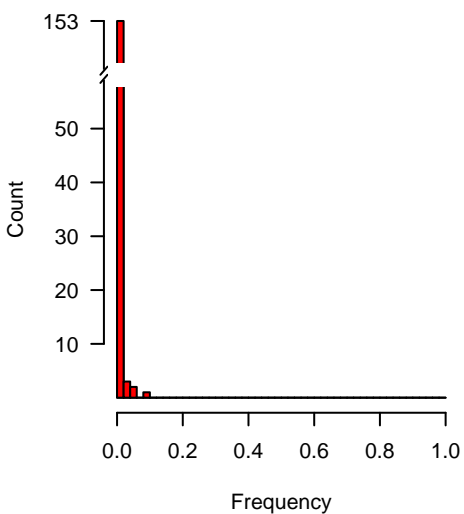
RT site 407
AA 136



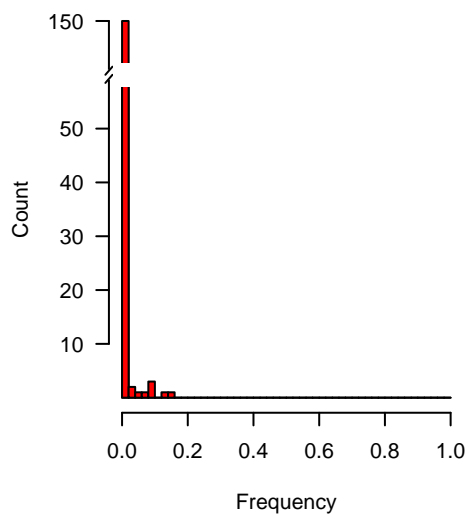
RT site 408
AA 136



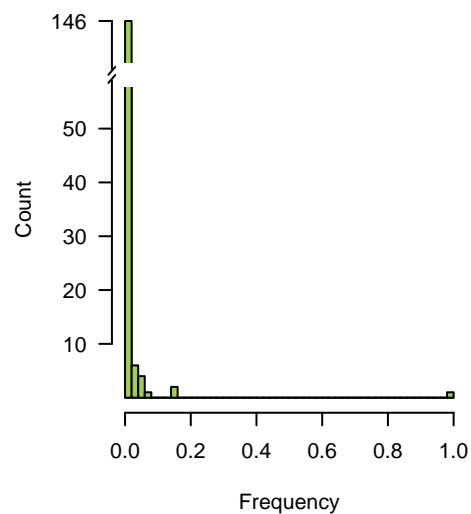
RT site 409
AA 137



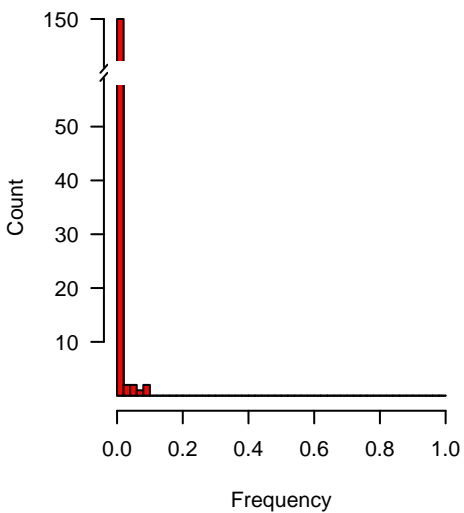
RT site 410
AA 137



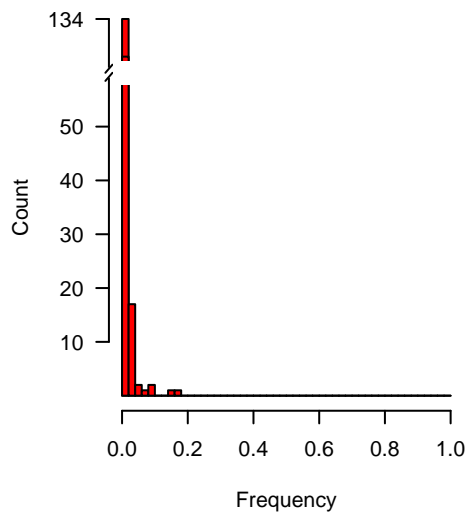
RT site 411
AA 137



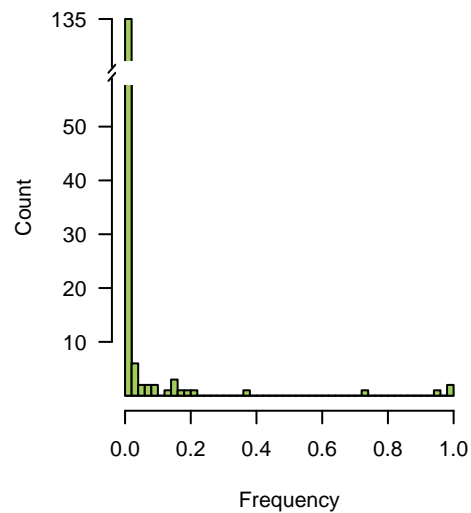
RT site 412
AA 138



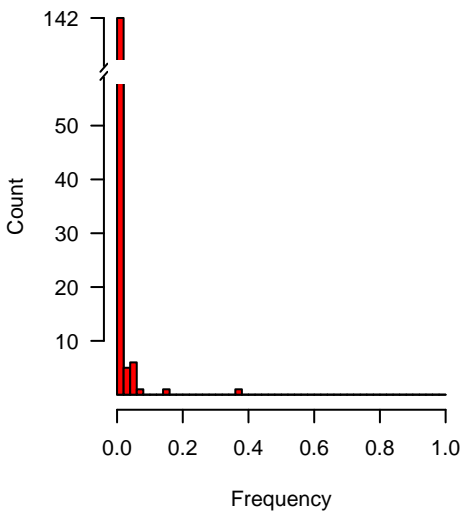
RT site 413
AA 138



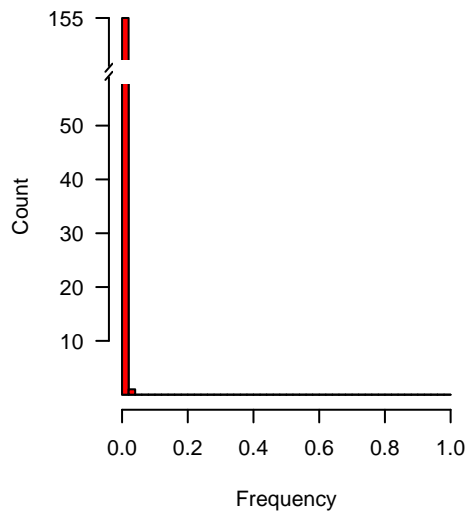
RT site 414
AA 138



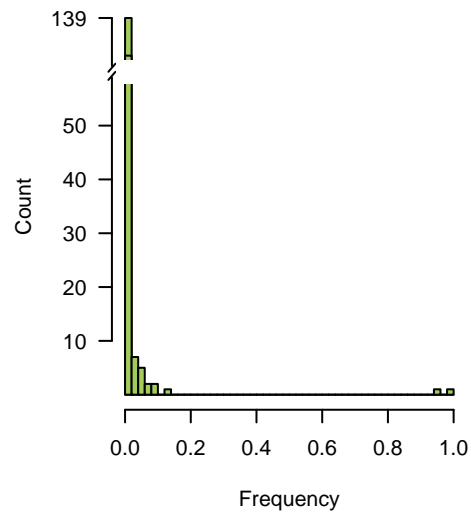
RT site 415
AA 139



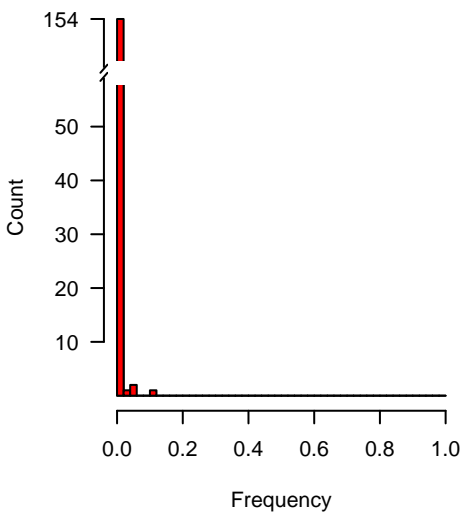
RT site 416
AA 139



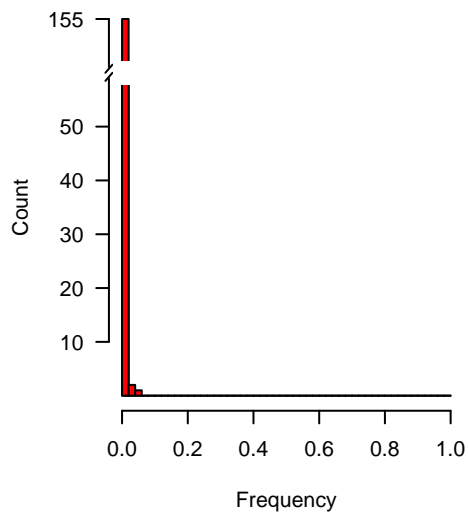
RT site 417
AA 139



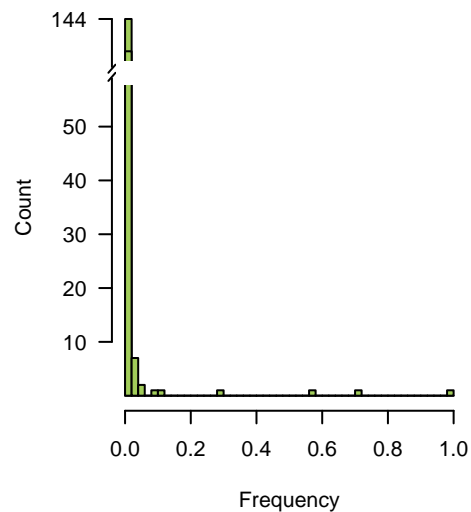
RT site 418
AA 140



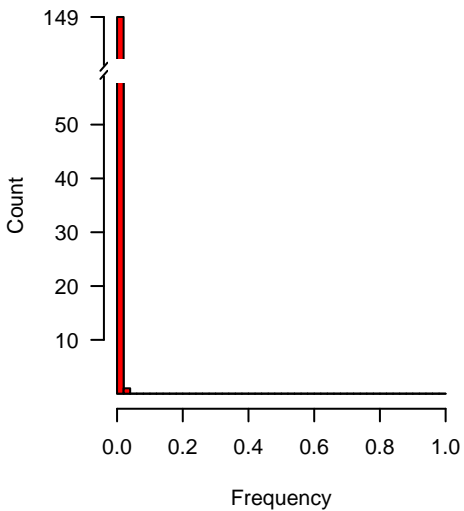
RT site 419
AA 140



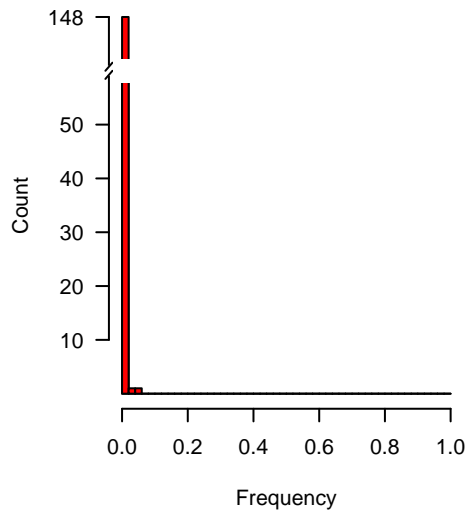
RT site 420
AA 140



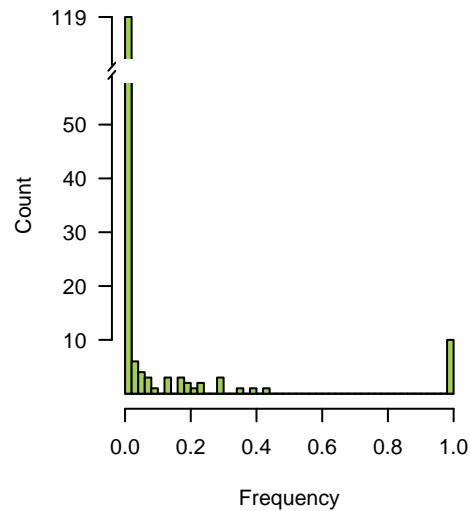
RT site 421
AA 141



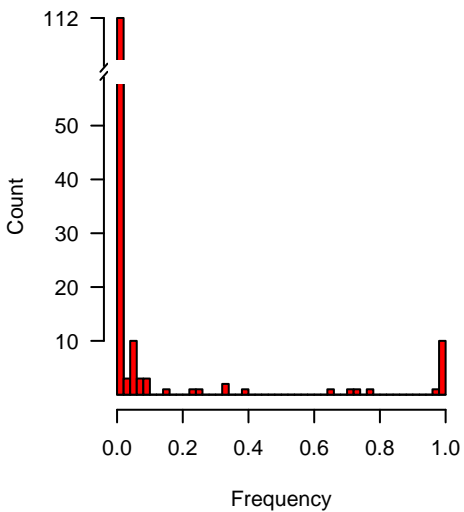
RT site 422
AA 141



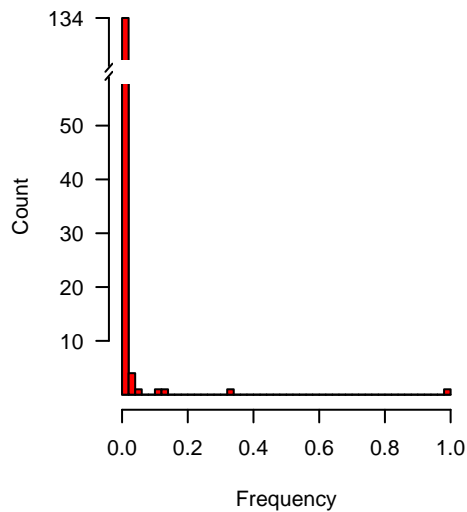
RT site 423
AA 141



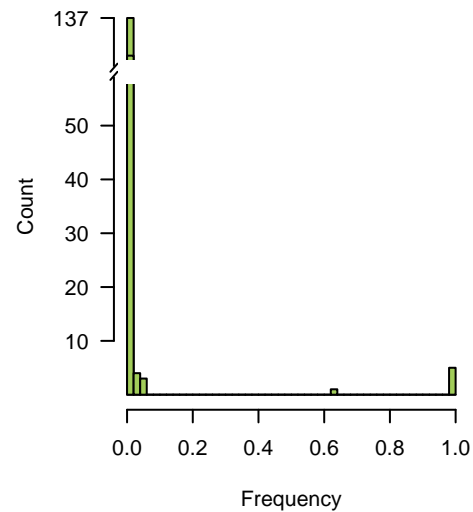
RT site 424
AA 142



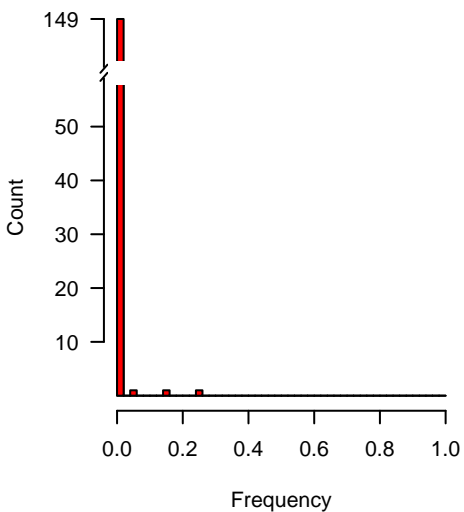
RT site 425
AA 142



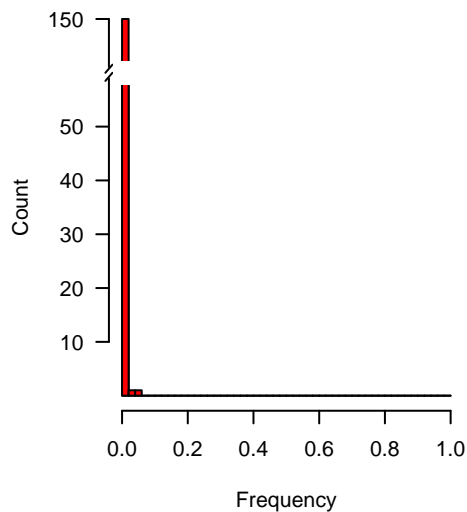
RT site 426
AA 142



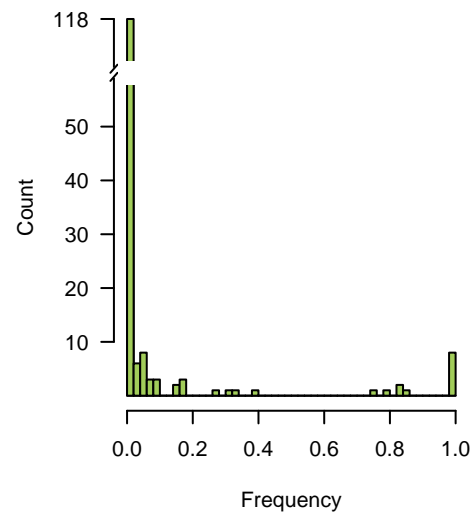
RT site 427
AA 143



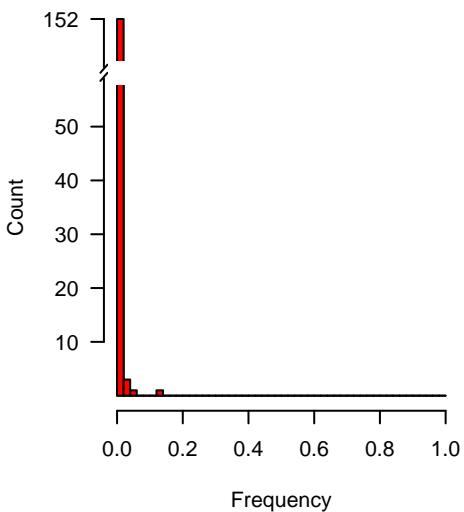
RT site 428
AA 143



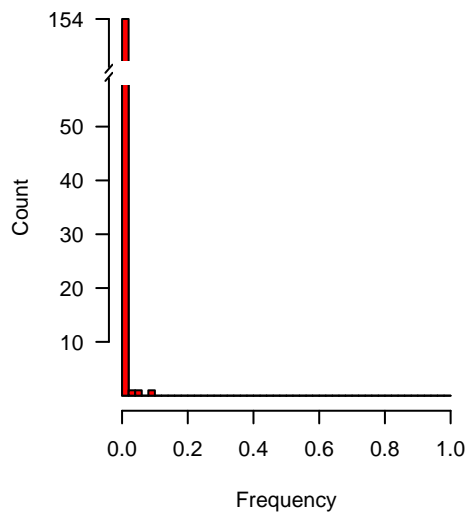
RT site 429
AA 143



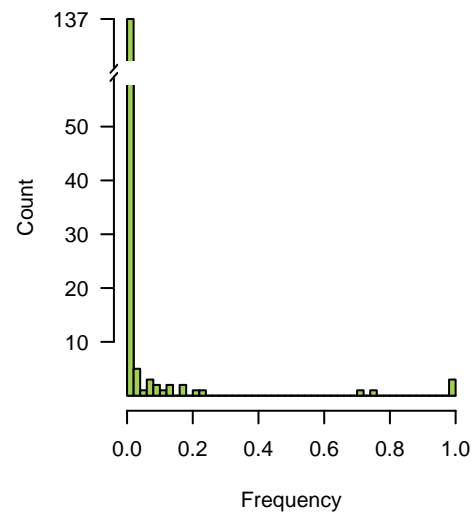
RT site 430
AA 144



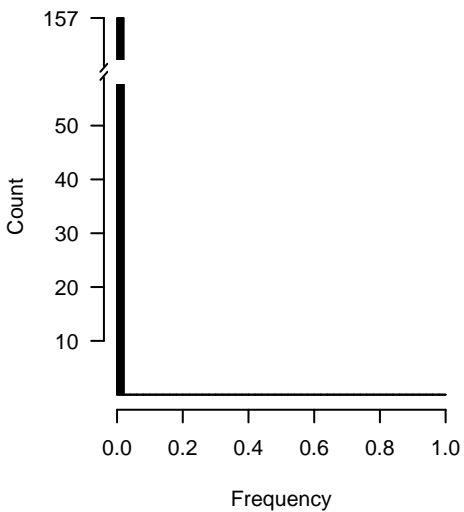
RT site 431
AA 144



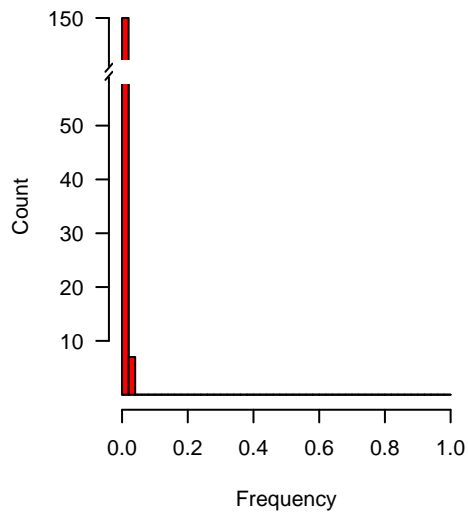
RT site 432
AA 144



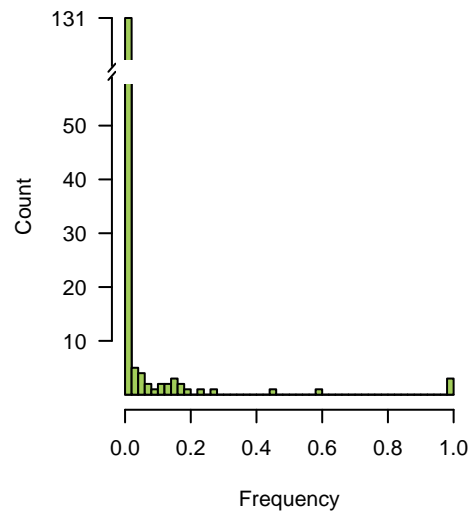
**RT site 433
AA 145**



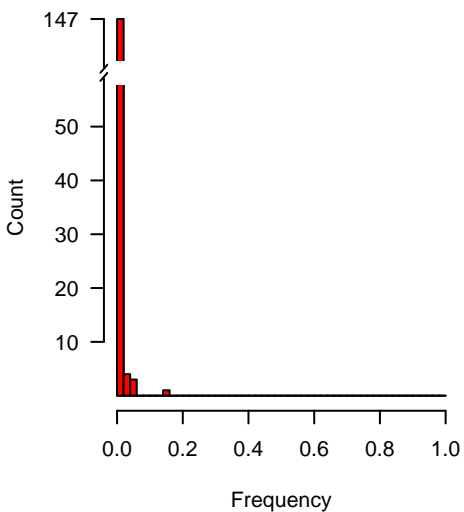
**RT site 434
AA 145**



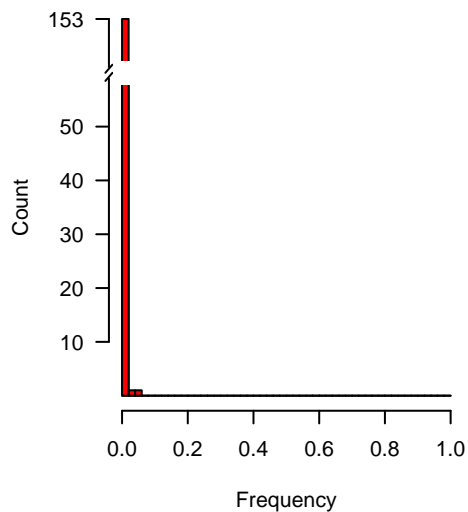
**RT site 435
AA 145**



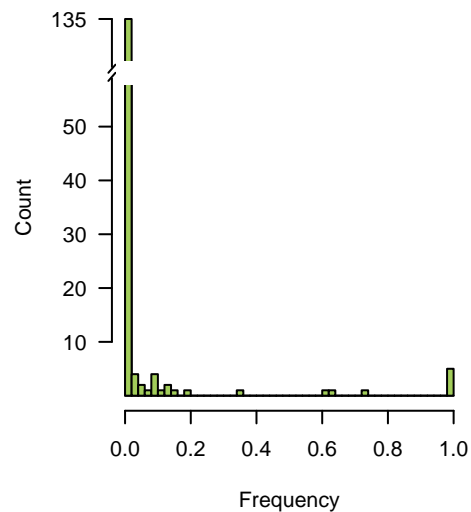
**RT site 436
AA 146**



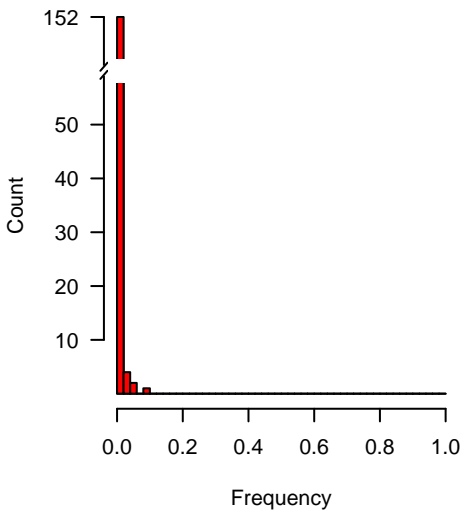
**RT site 437
AA 146**



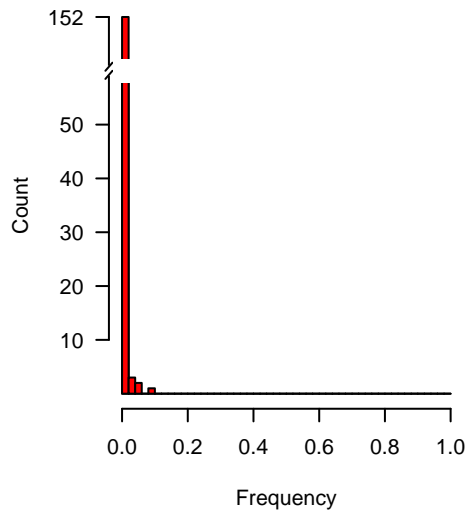
**RT site 438
AA 146**



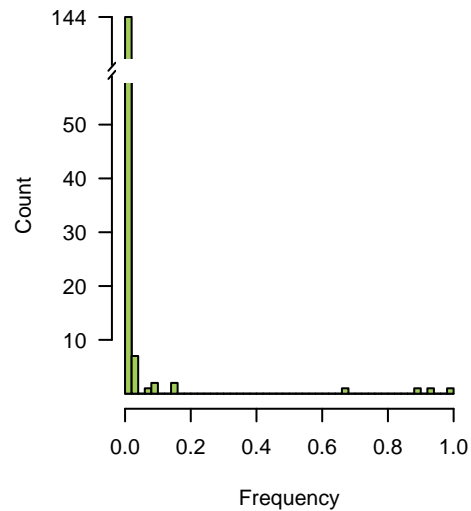
**RT site 439
AA 147**



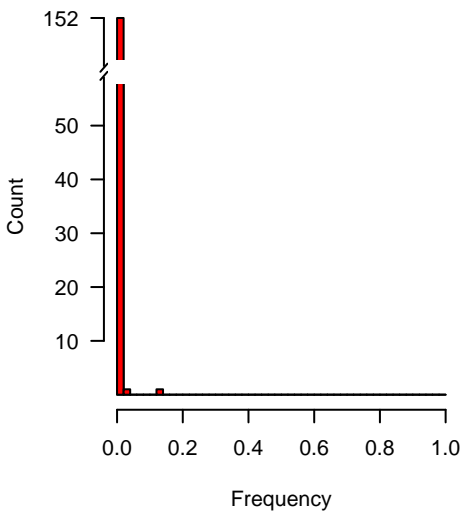
**RT site 440
AA 147**



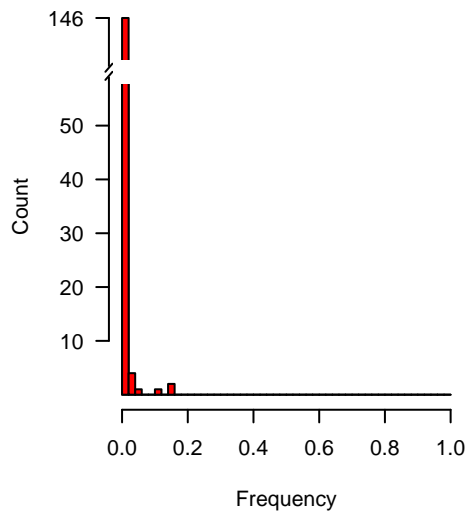
**RT site 441
AA 147**



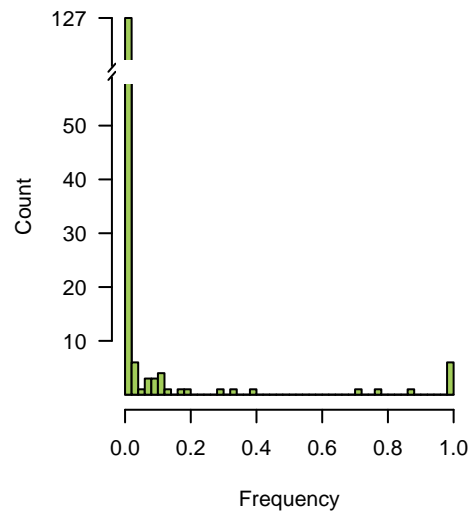
**RT site 442
AA 148**



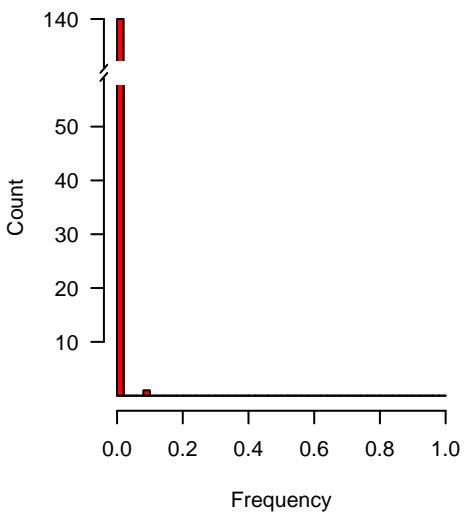
**RT site 443
AA 148**



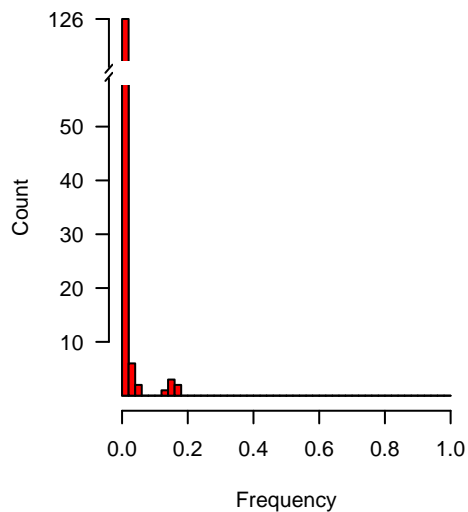
**RT site 444
AA 148**



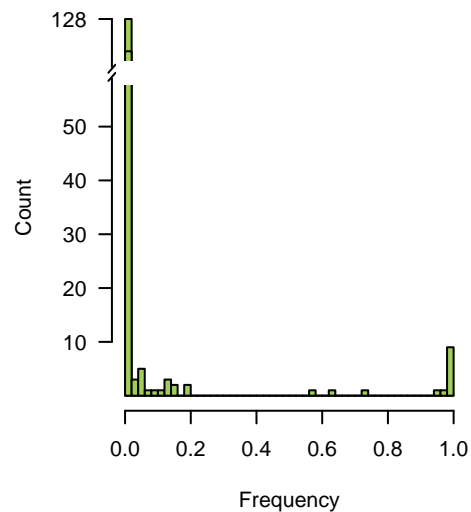
**RT site 445
AA 149**



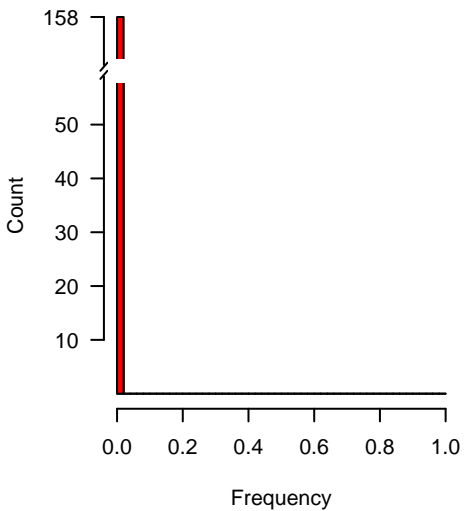
**RT site 446
AA 149**



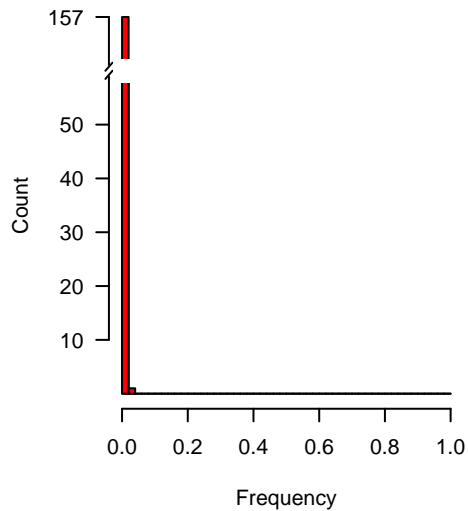
**RT site 447
AA 149 (site excluded)**



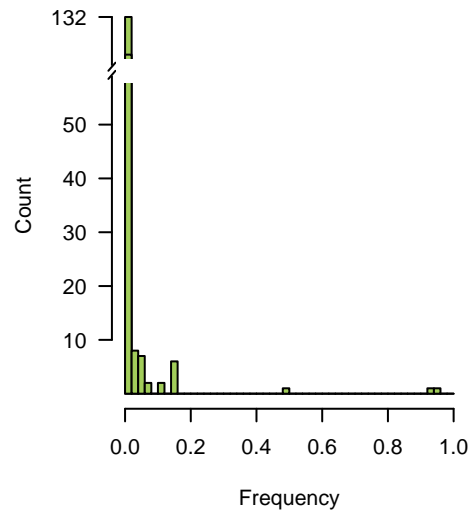
**RT site 448
AA 150**

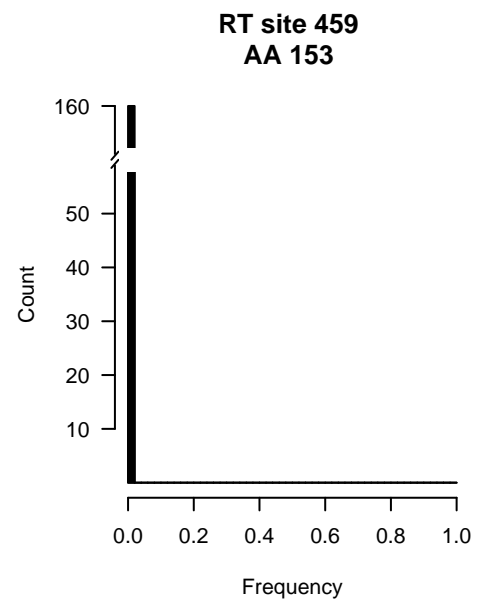
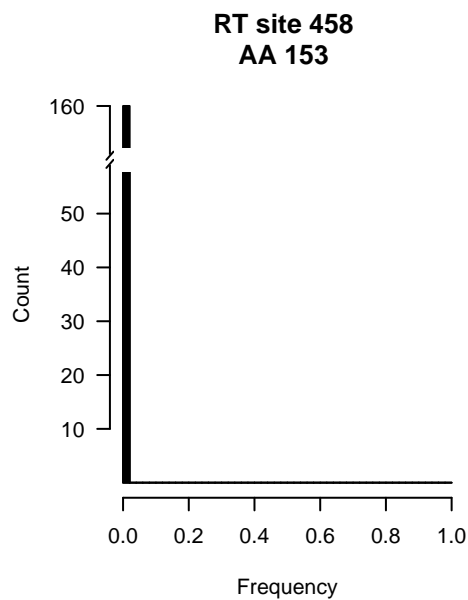
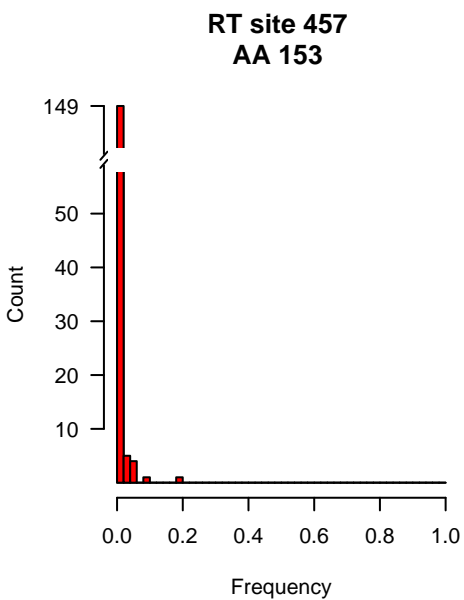
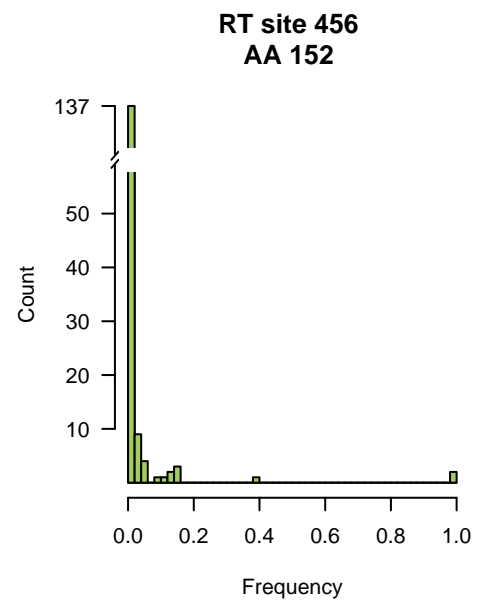
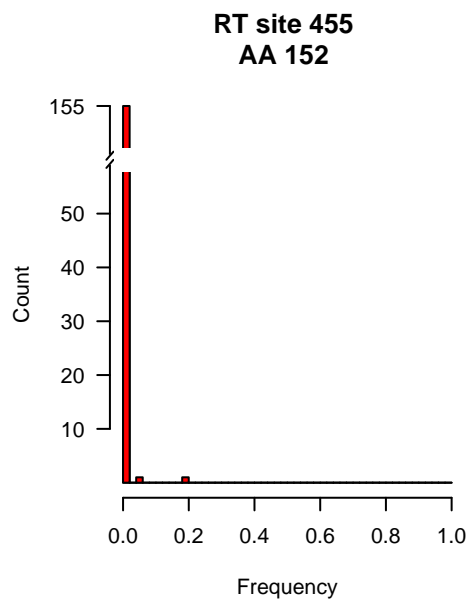
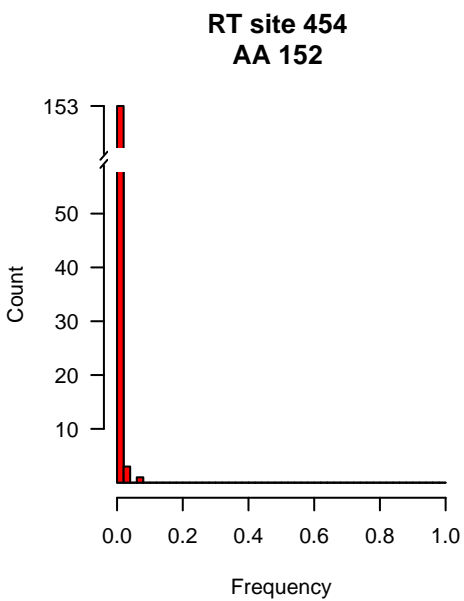
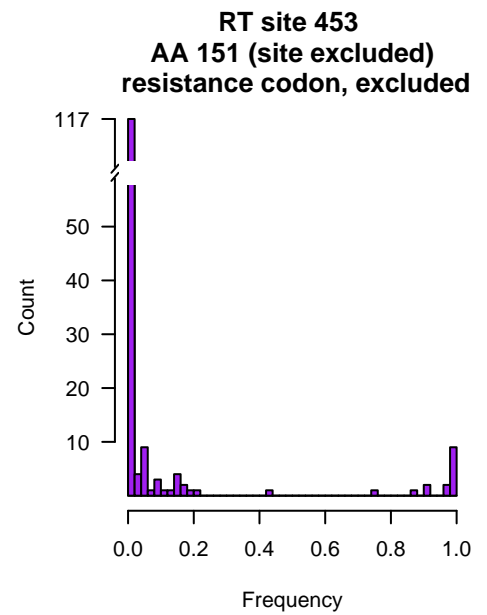
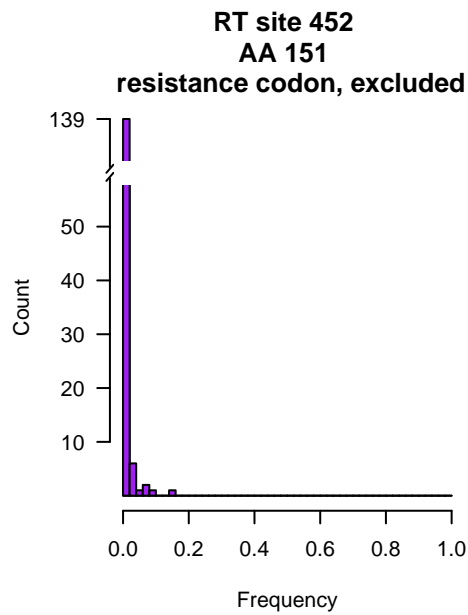
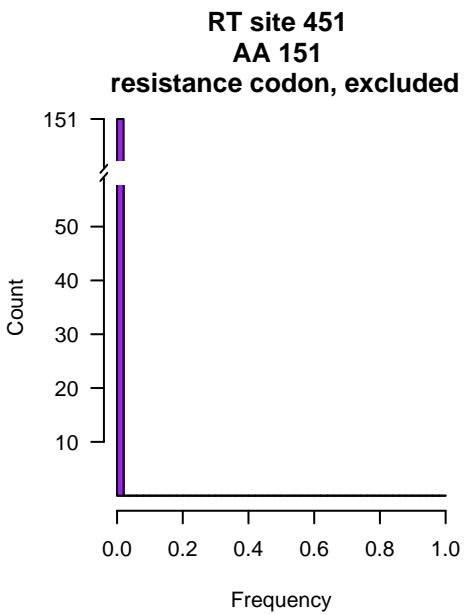


**RT site 449
AA 150**

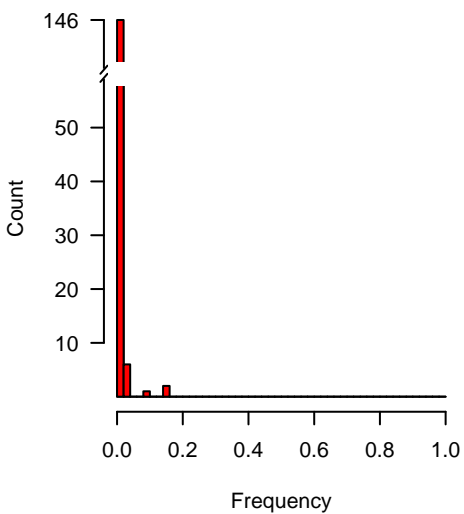


**RT site 450
AA 150**

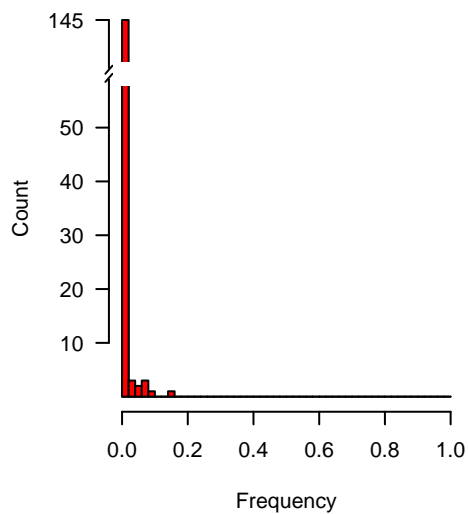




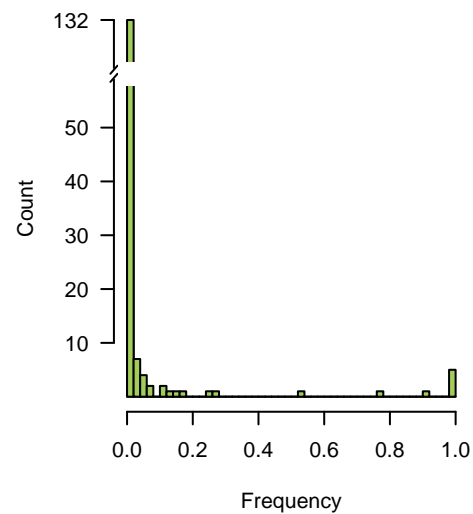
RT site 460



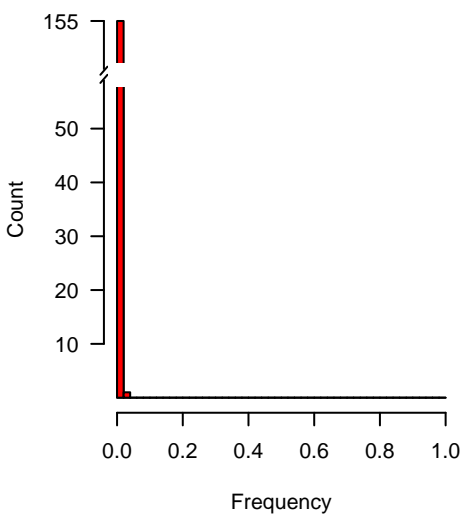
RT site 461



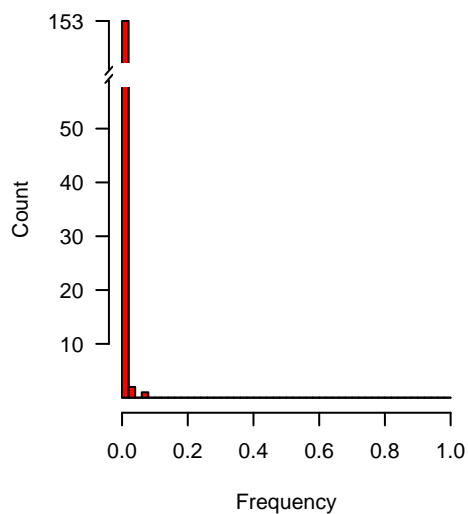
RT site 462



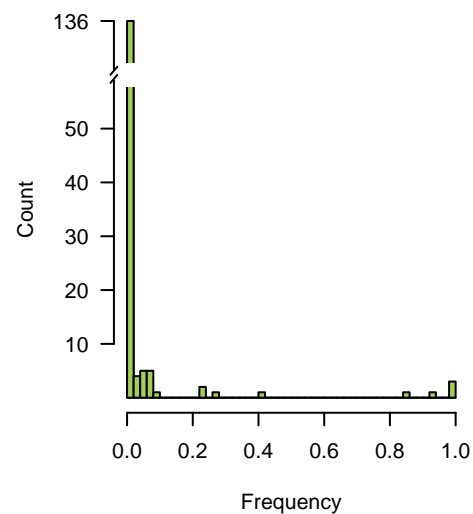
RT site 463



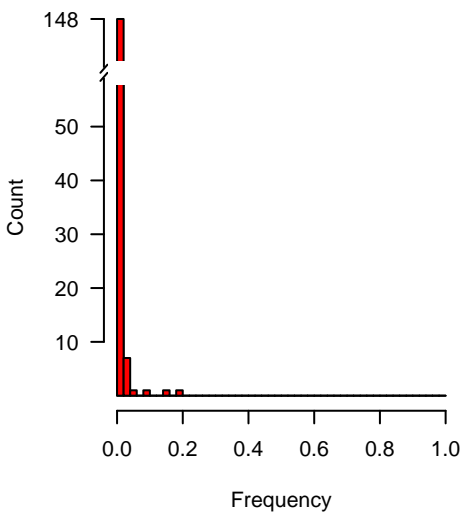
RT site 464



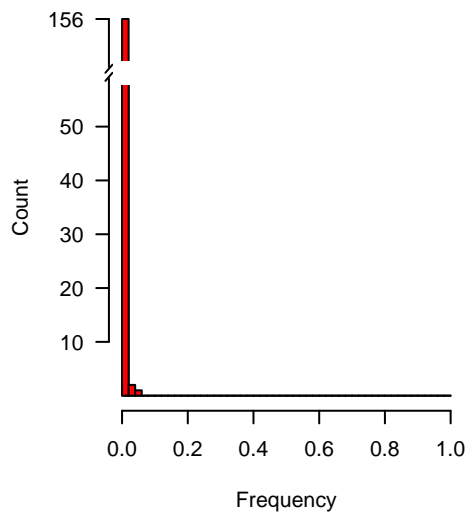
RT site 465



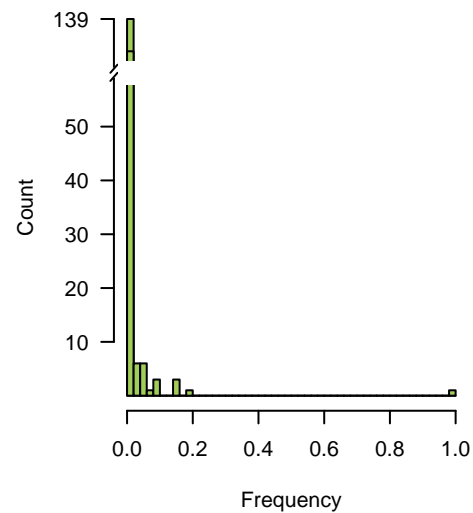
RT site 466



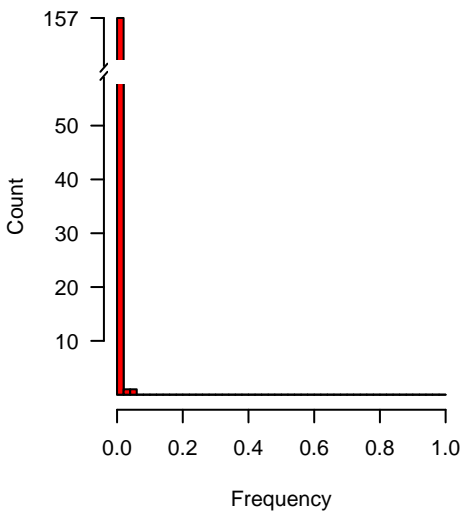
RT site 467



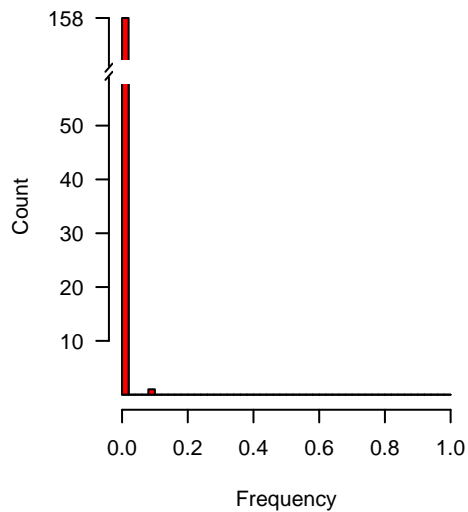
RT site 468



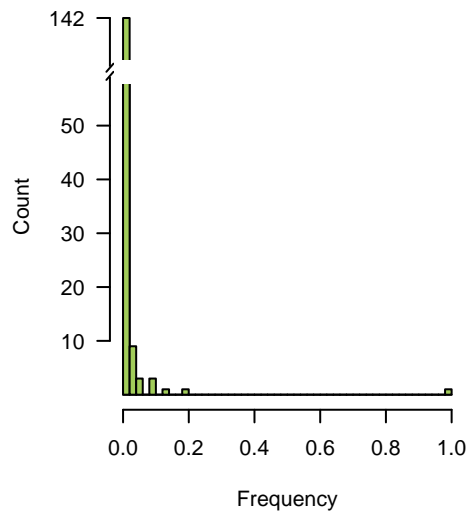
RT site 469
AA 157



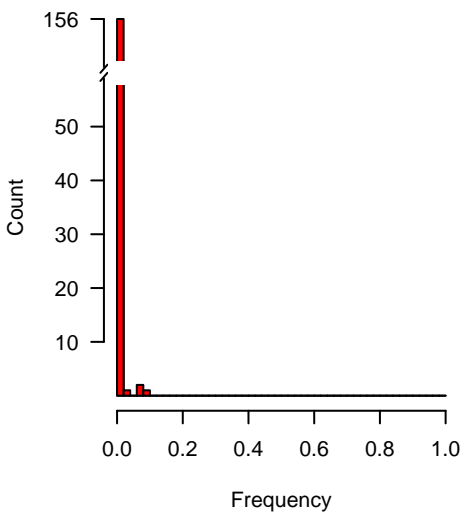
RT site 470
AA 157



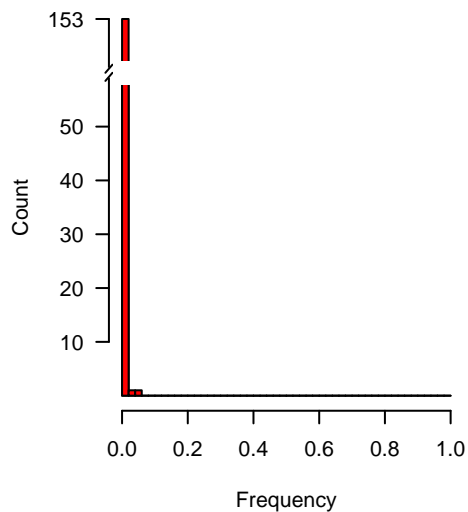
RT site 471
AA 157



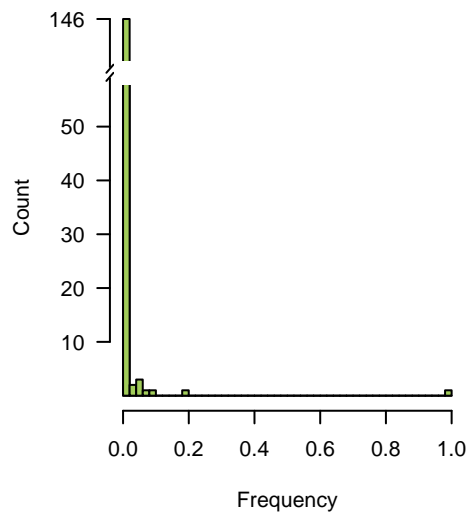
RT site 472
AA 158



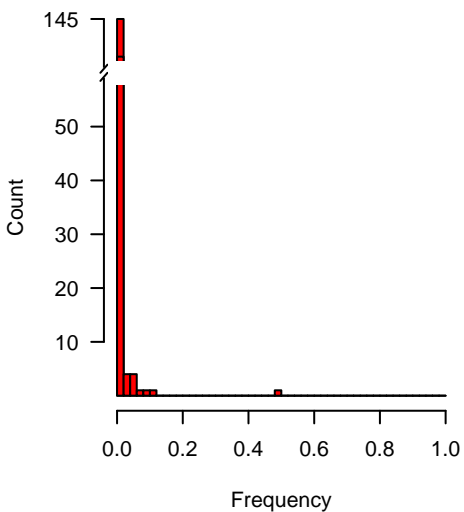
RT site 473
AA 158



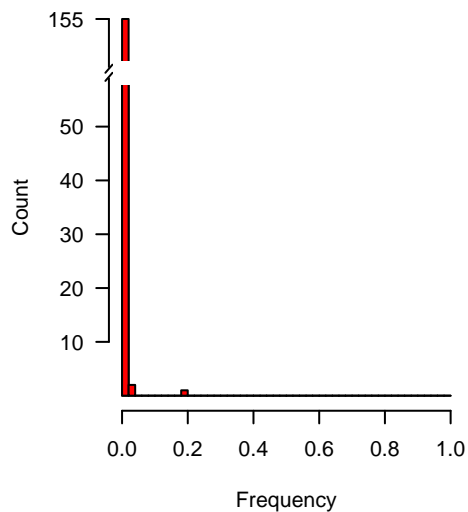
RT site 474
AA 158



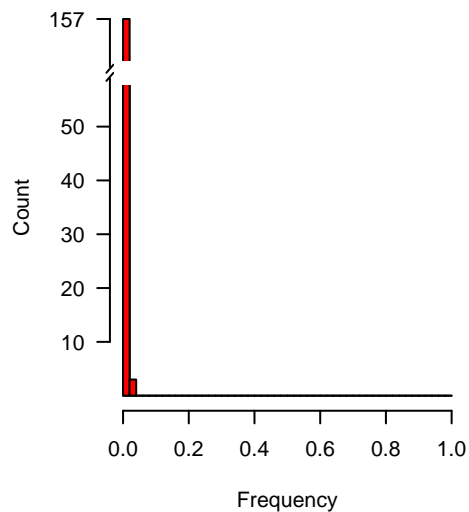
RT site 475
AA 159



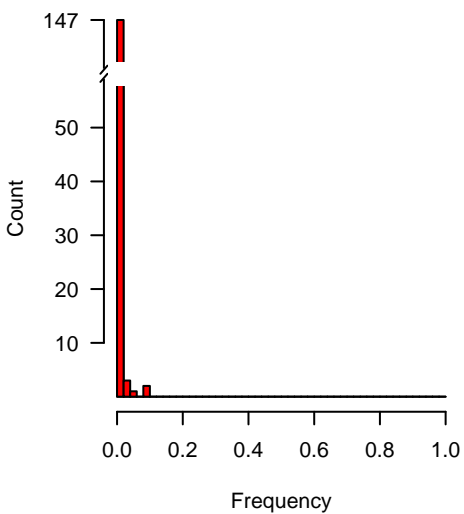
RT site 476
AA 159



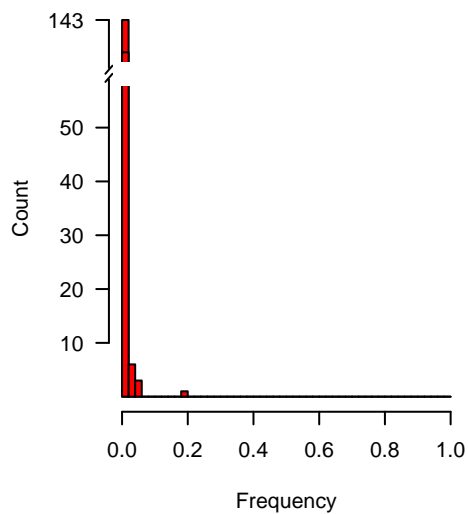
RT site 477
AA 159



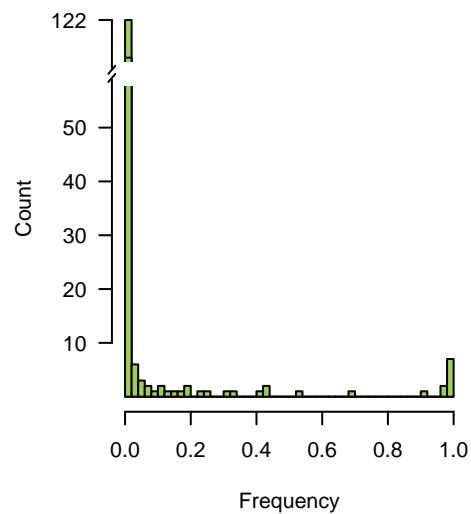
**RT site 478
AA 160**



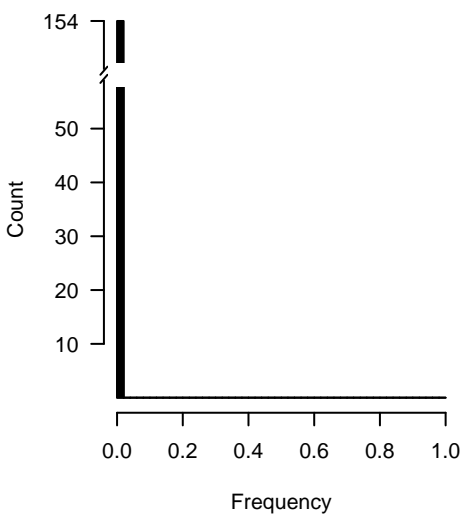
**RT site 479
AA 160**



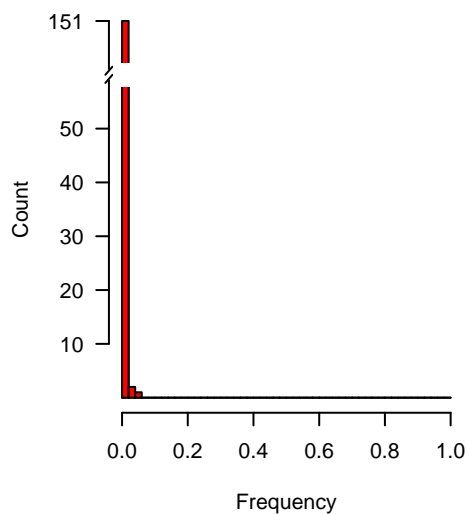
**RT site 480
AA 160**



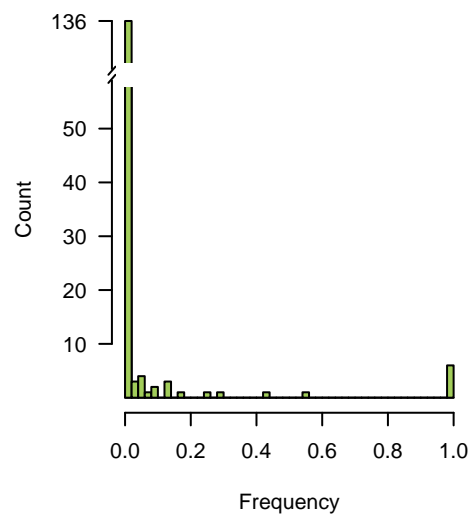
**RT site 481
AA 161**



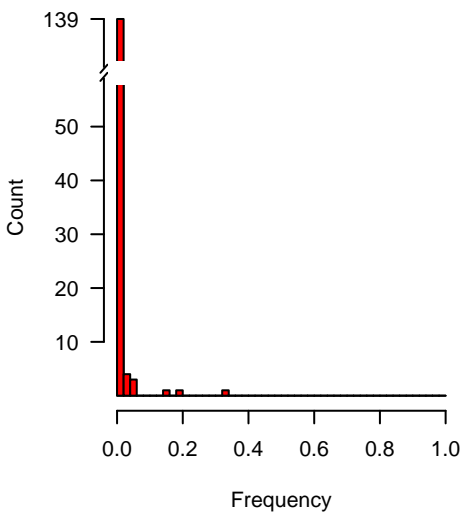
**RT site 482
AA 161**



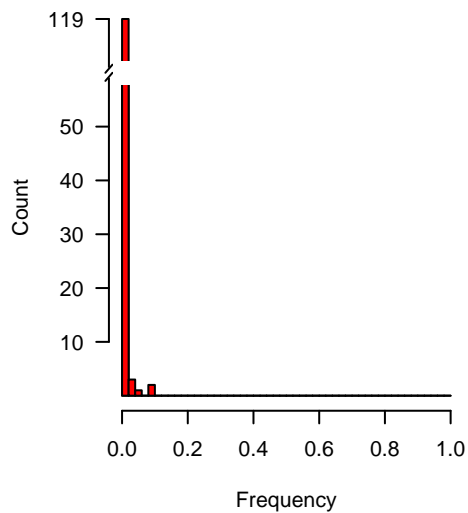
**RT site 483
AA 161**



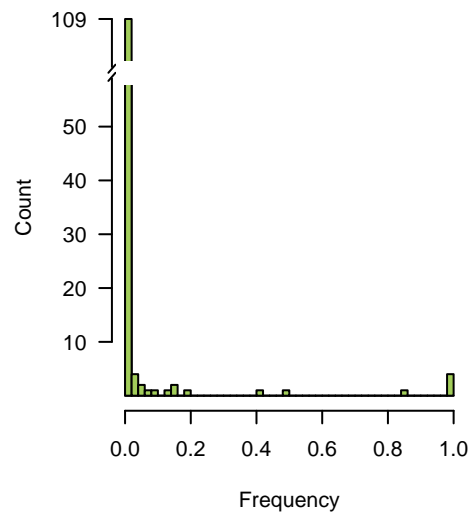
**RT site 484
AA 162 (site excluded)**



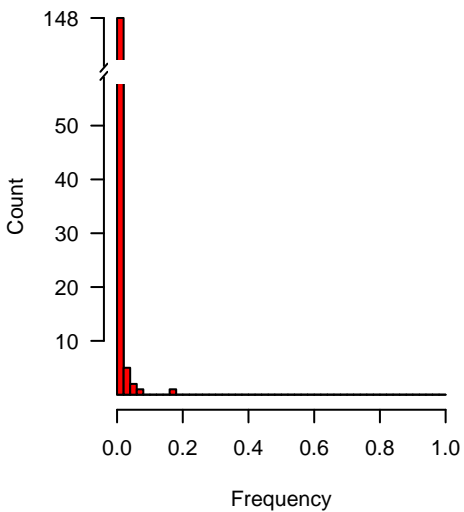
**RT site 485
AA 162**



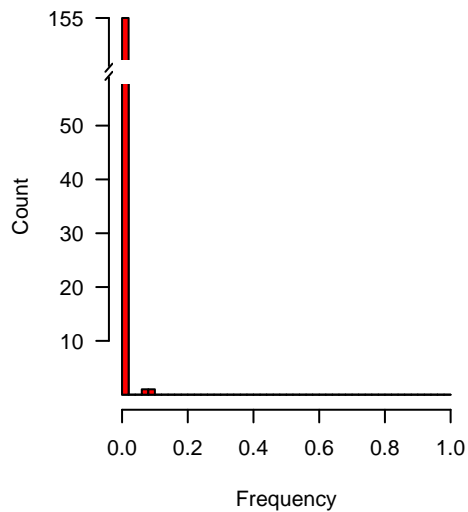
**RT site 486
AA 162**



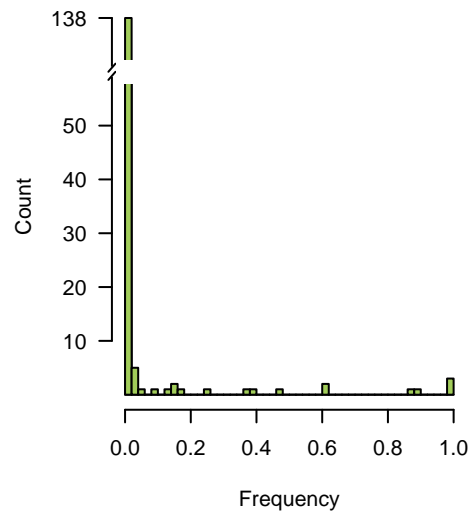
RT site 487
AA 163



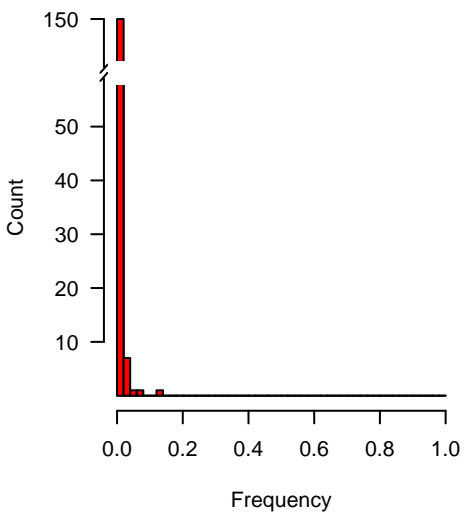
RT site 488
AA 163



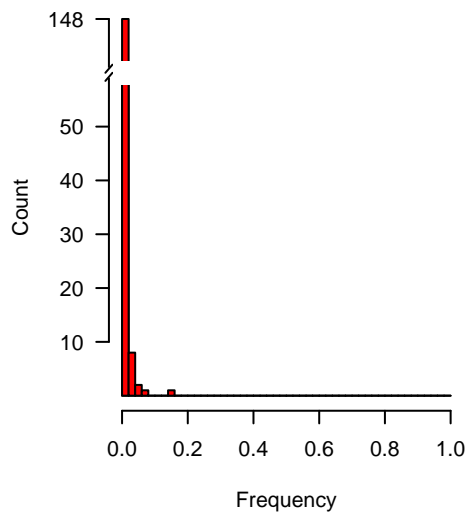
RT site 489
AA 163



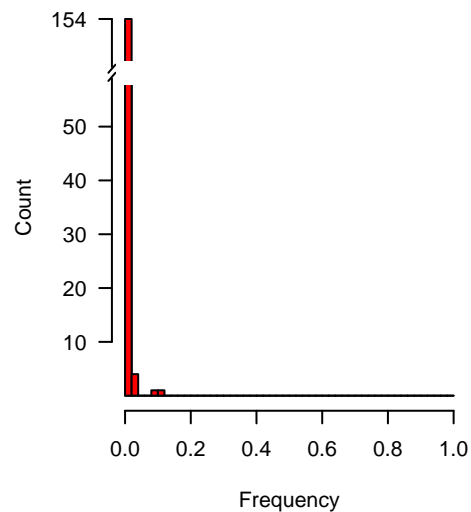
RT site 490
AA 164



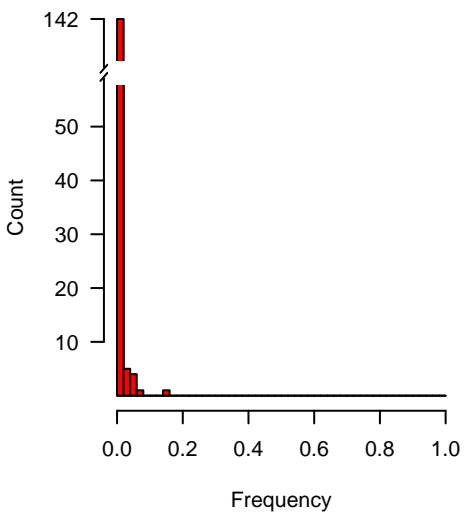
RT site 491
AA 164



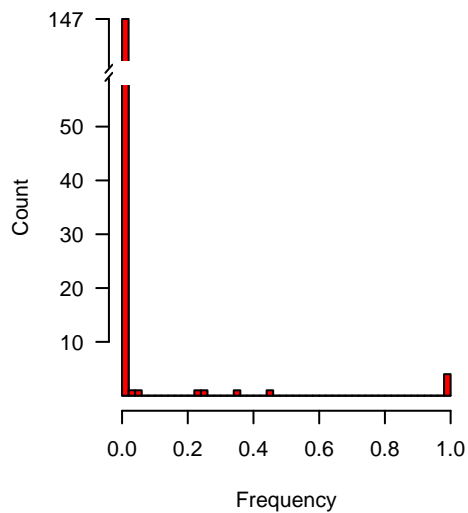
RT site 492
AA 164



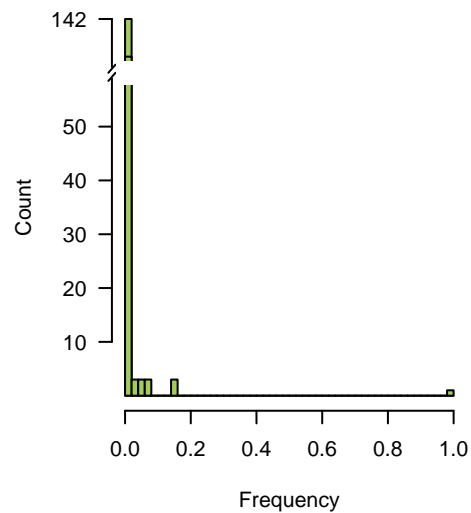
RT site 493
AA 165



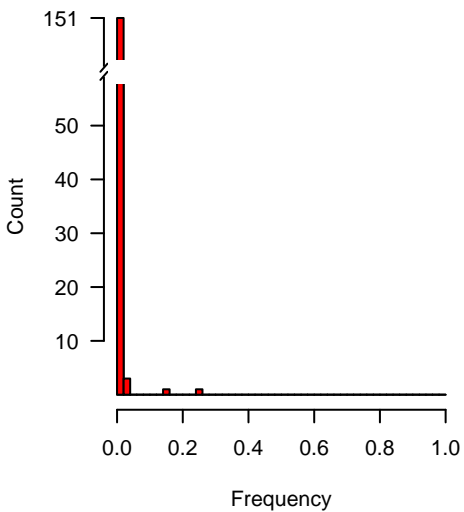
RT site 494
AA 165



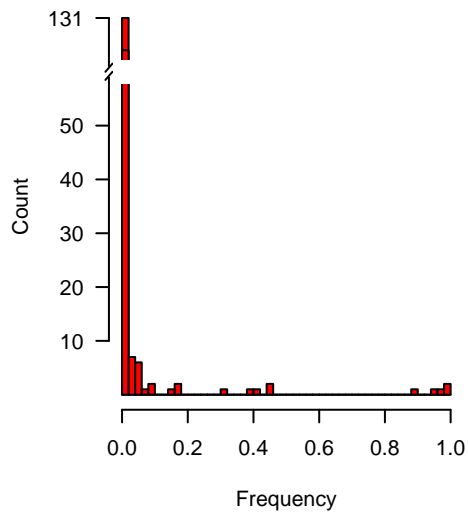
RT site 495
AA 165



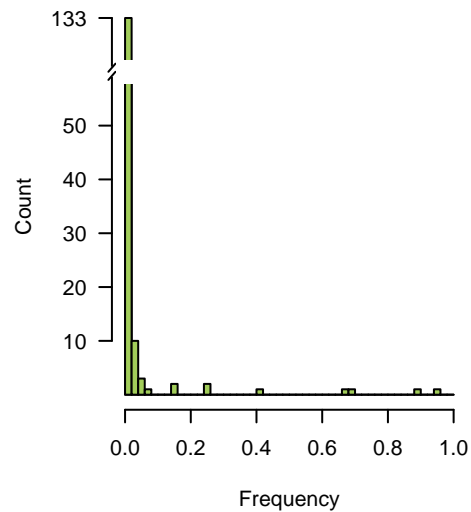
**RT site 496
AA 166**



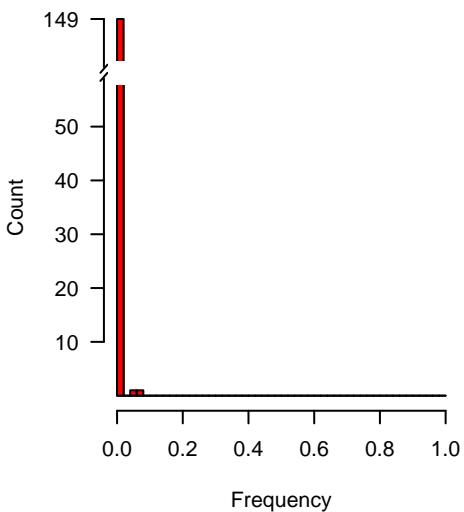
**RT site 497
AA 166**



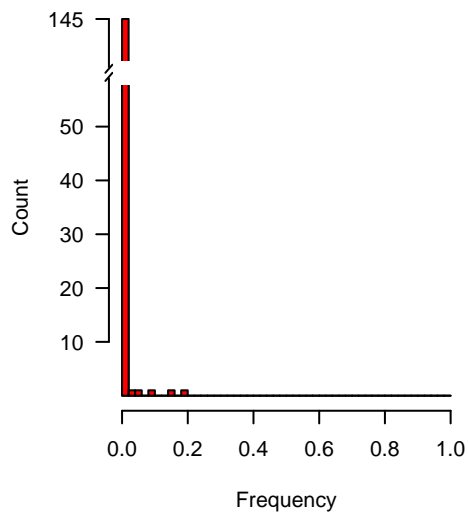
**RT site 498
AA 166**



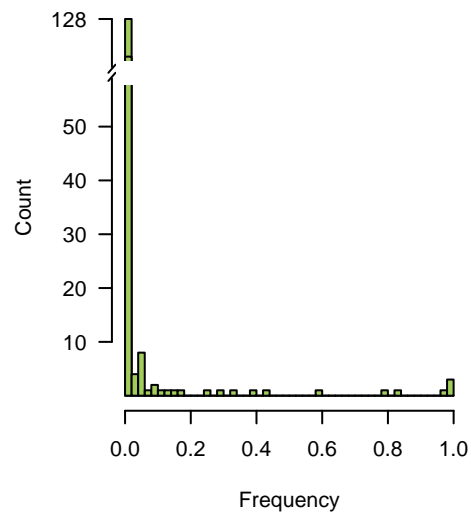
**RT site 499
AA 167**



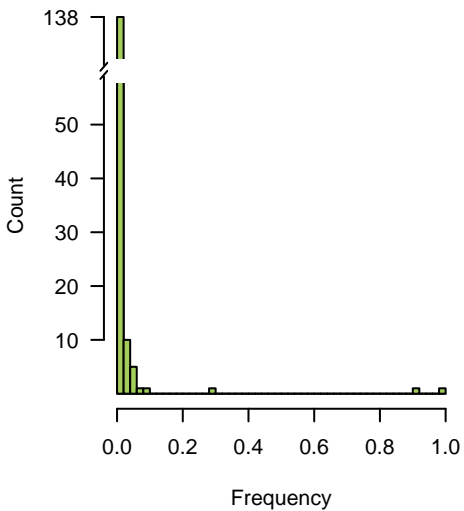
**RT site 500
AA 167**



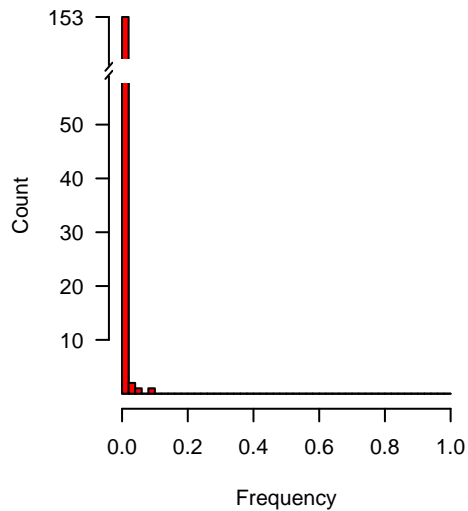
**RT site 501
AA 167**



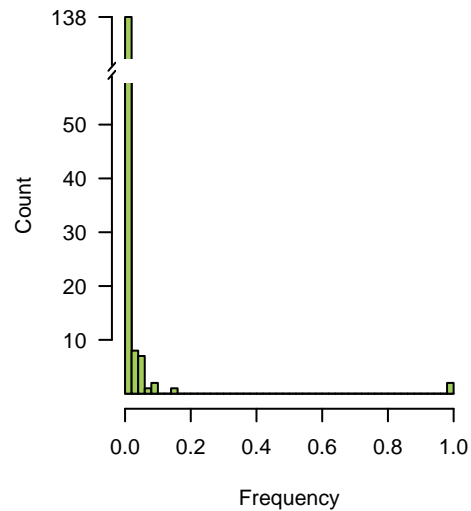
**RT site 502
AA 168**



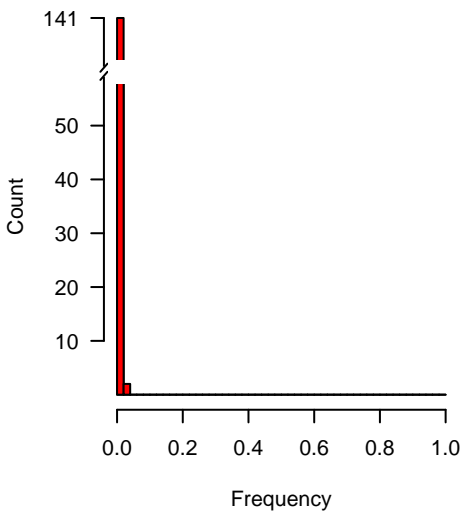
**RT site 503
AA 168**



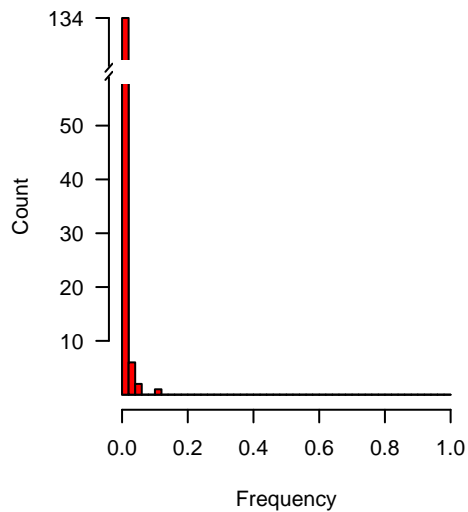
**RT site 504
AA 168**



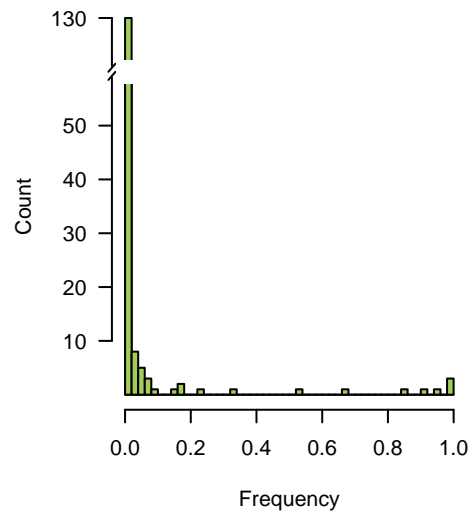
**RT site 505
AA 169**



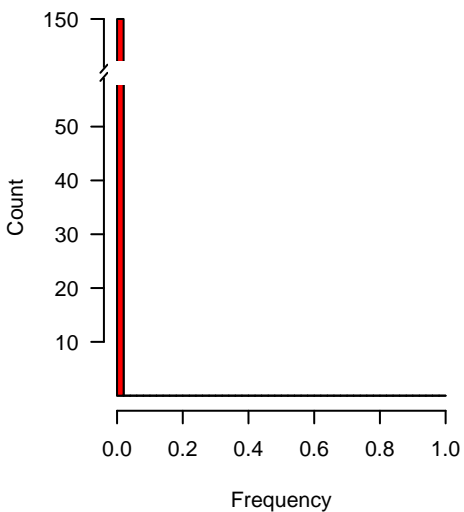
**RT site 506
AA 169**



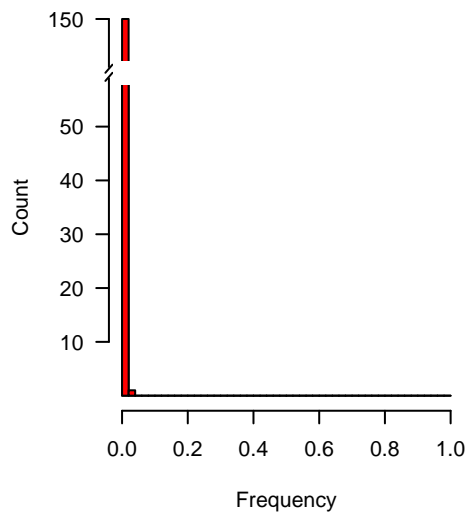
**RT site 507
AA 169 (site excluded)**



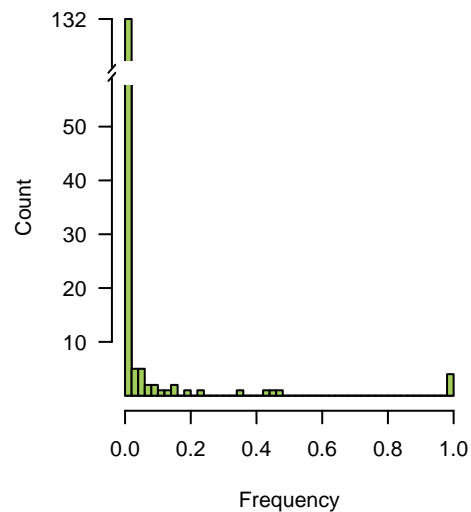
**RT site 508
AA 170**



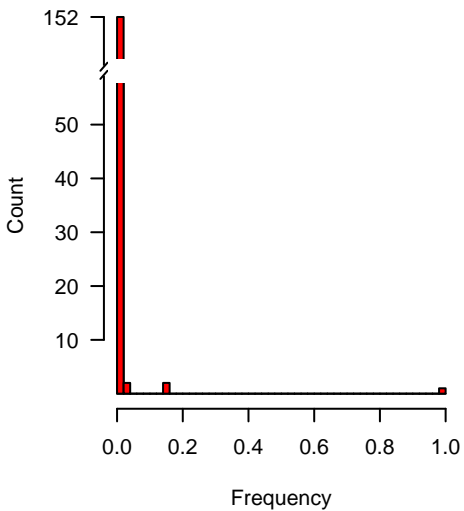
**RT site 509
AA 170**



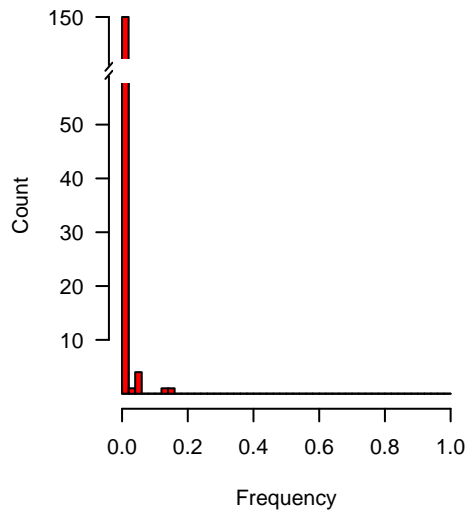
**RT site 510
AA 170**



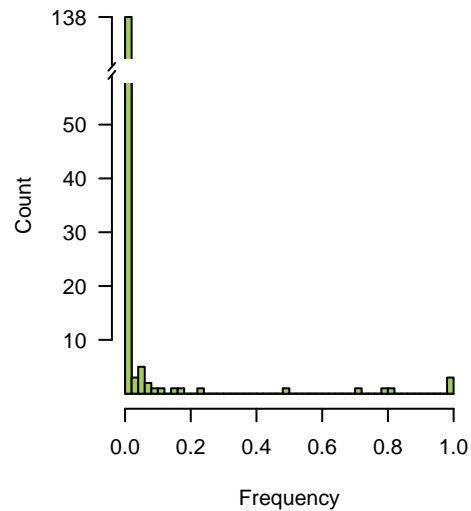
**RT site 511
AA 171**



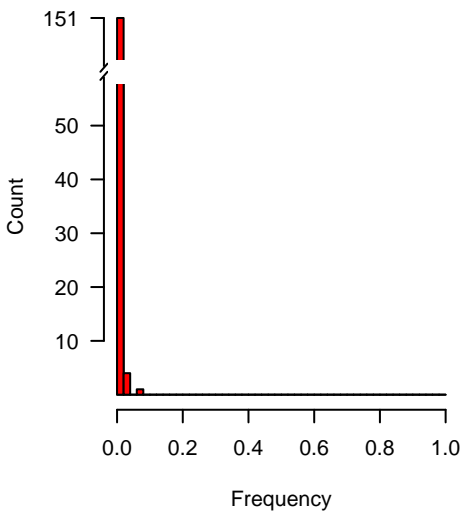
**RT site 512
AA 171**



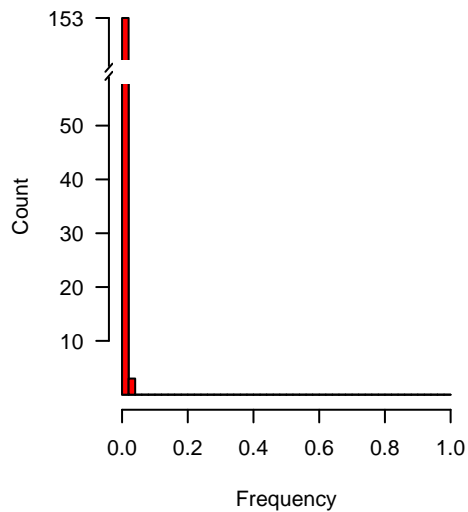
**RT site 513
AA 171**



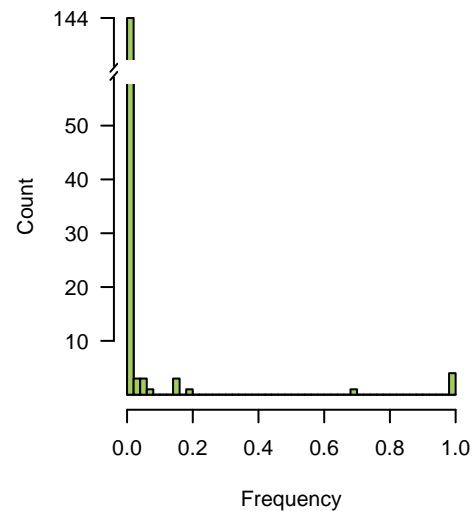
**RT site 514
AA 172**



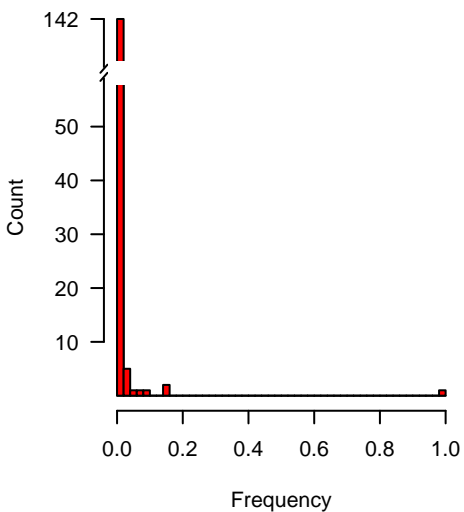
**RT site 515
AA 172**



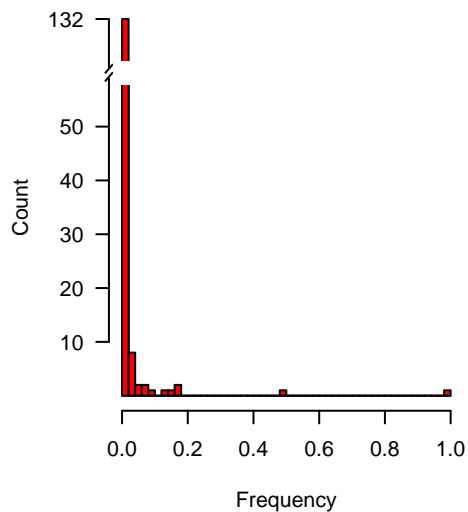
**RT site 516
AA 172**



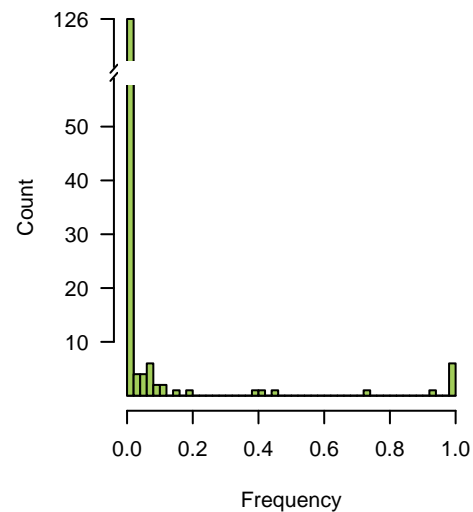
**RT site 517
AA 173**



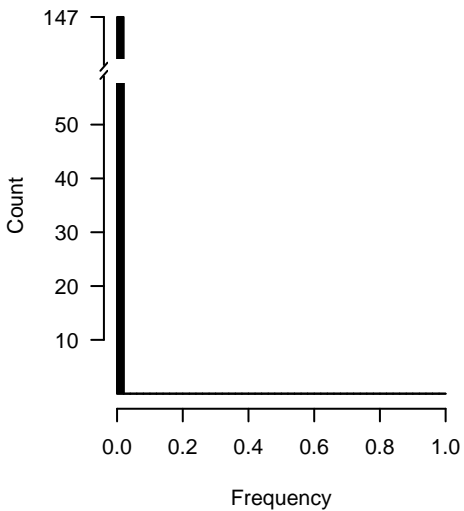
**RT site 518
AA 173**



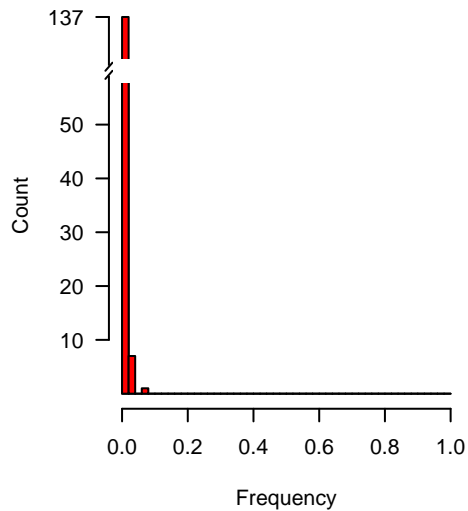
**RT site 519
AA 173**



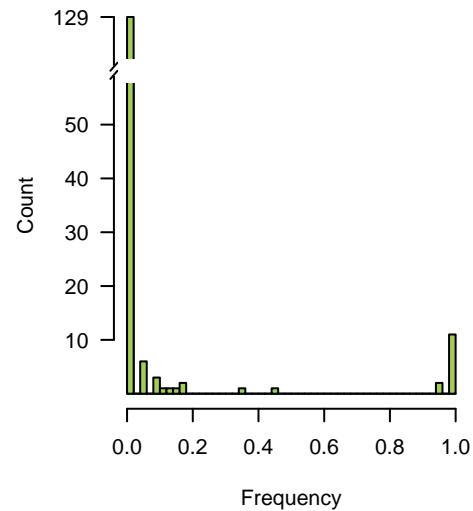
**RT site 520
AA 174**



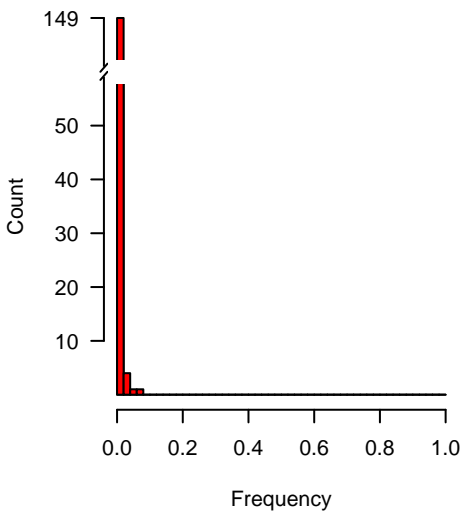
**RT site 521
AA 174**



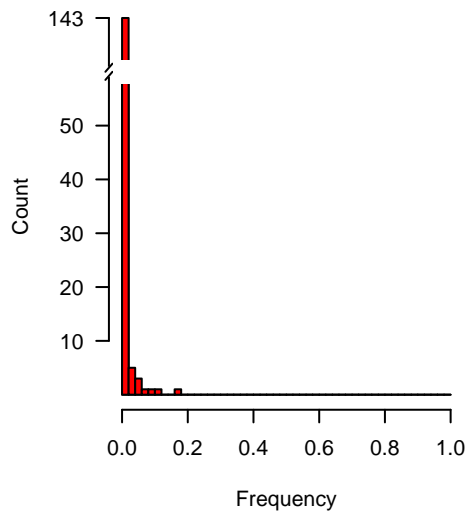
**RT site 522
AA 174 (site excluded)**



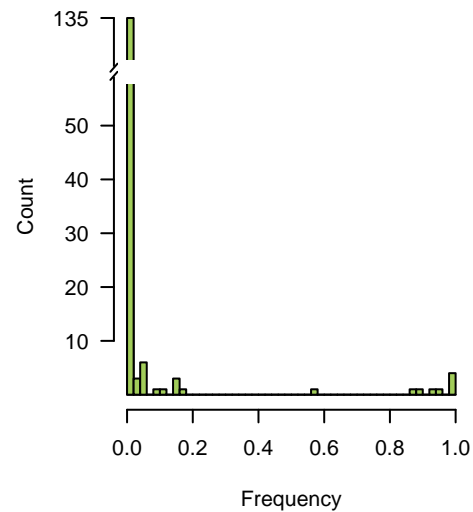
**RT site 523
AA 175**



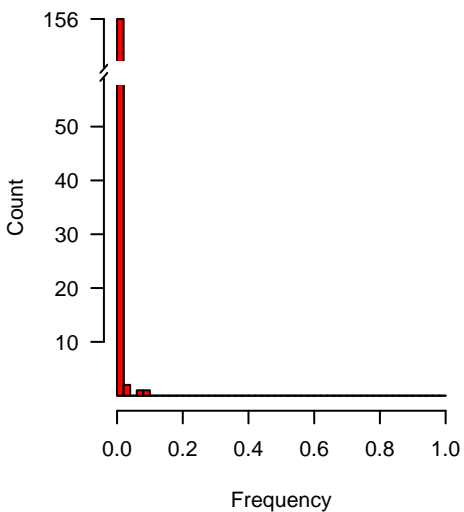
**RT site 524
AA 175**



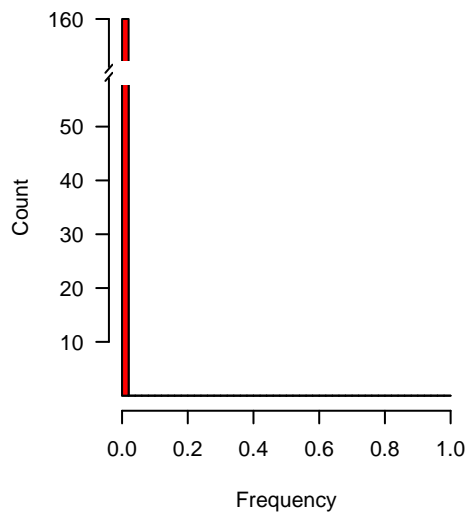
**RT site 525
AA 175**



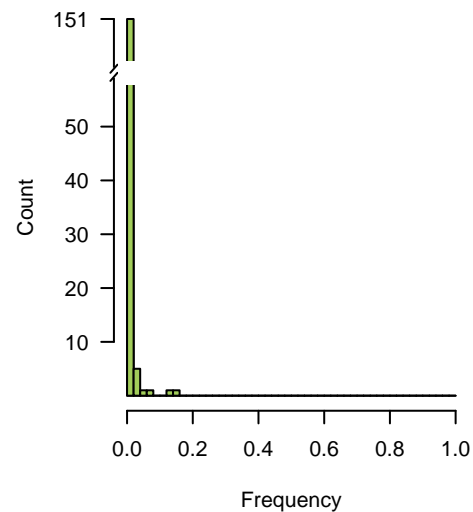
**RT site 526
AA 176**



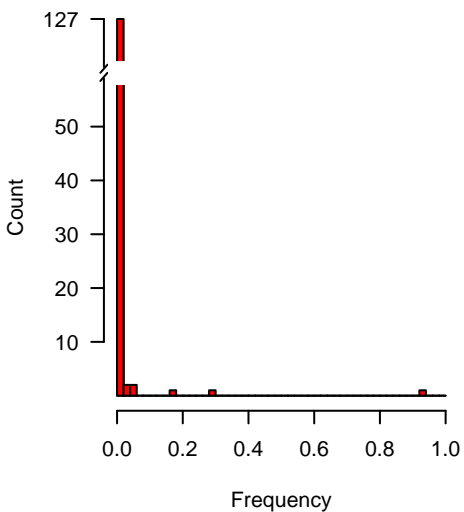
**RT site 527
AA 176**



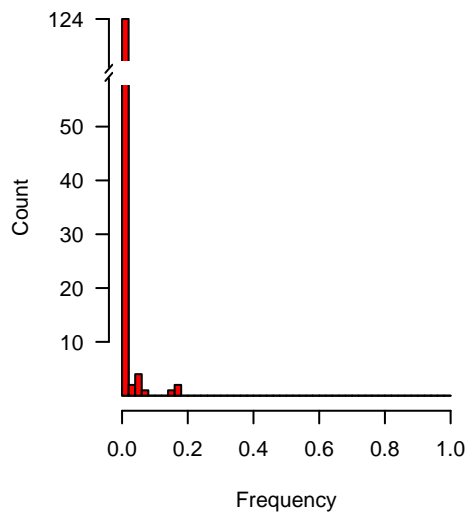
**RT site 528
AA 176**



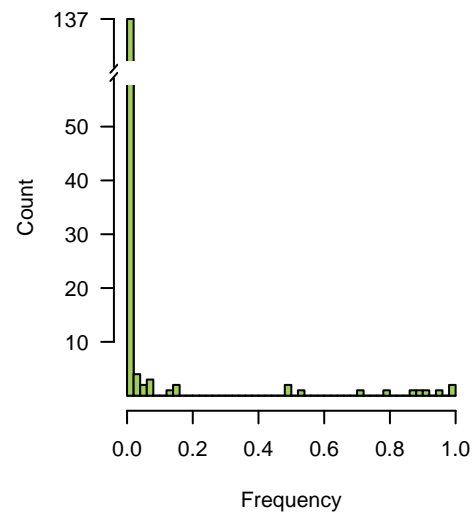
**RT site 529
AA 177**



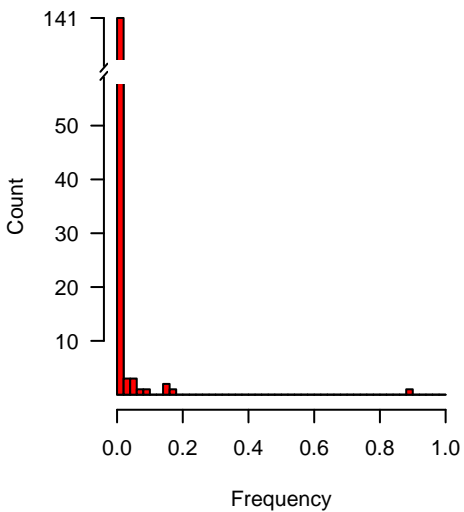
**RT site 530
AA 177**



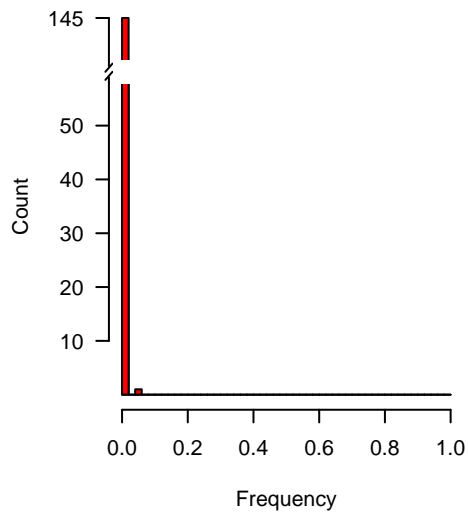
**RT site 531
AA 177 (site excluded)**



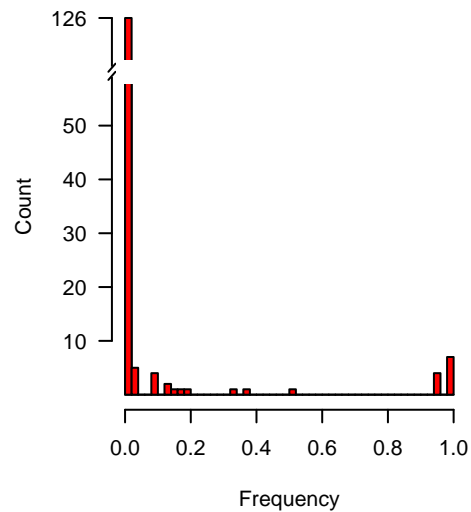
**RT site 532
AA 178**



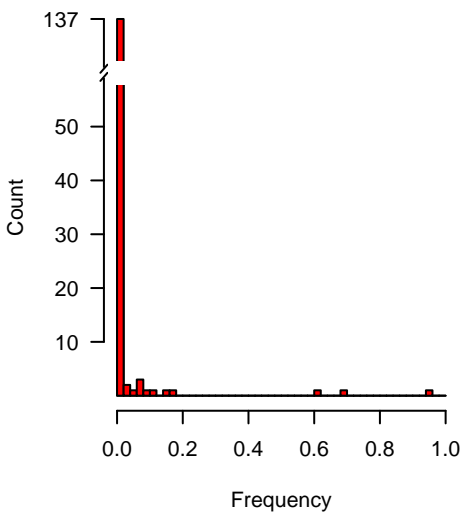
**RT site 533
AA 178**



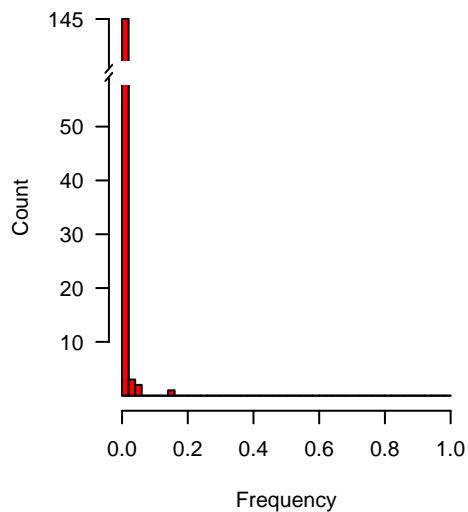
**RT site 534
AA 178**



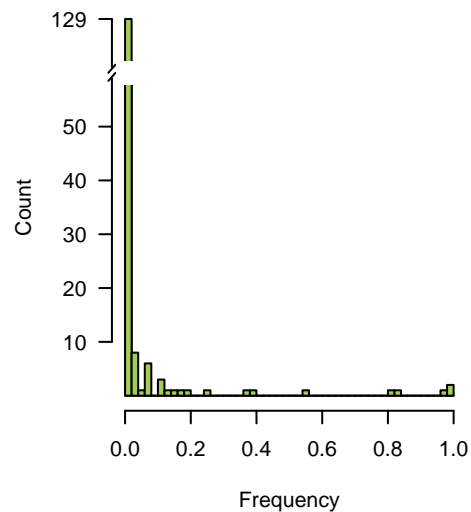
**RT site 535
AA 179**



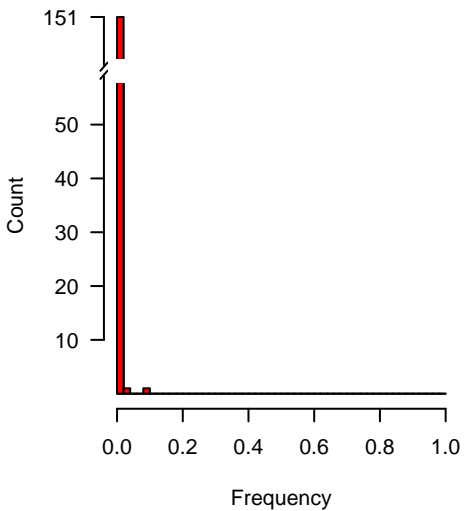
**RT site 536
AA 179**



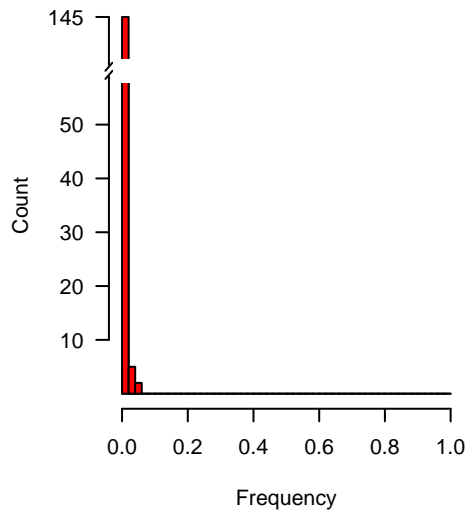
**RT site 537
AA 179**



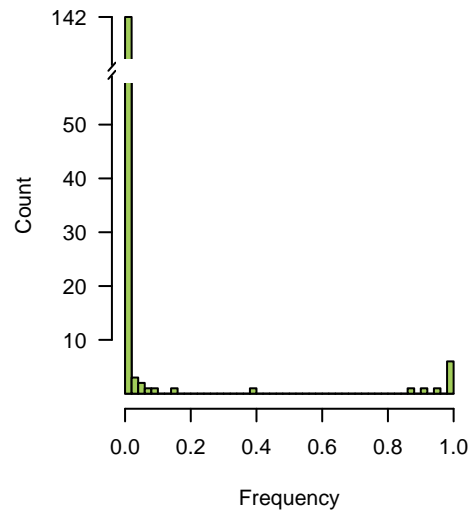
**RT site 538
AA 180**

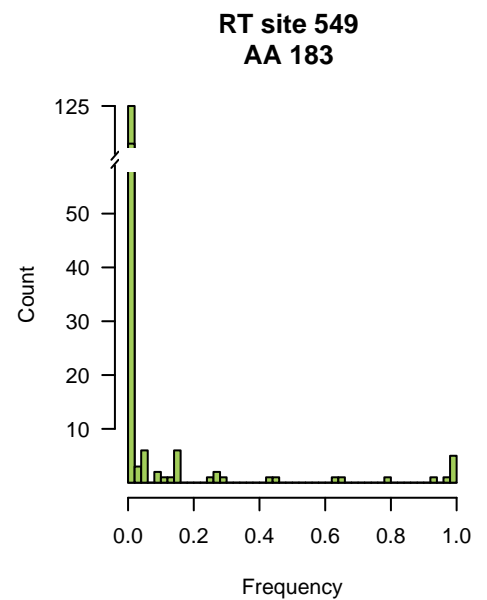
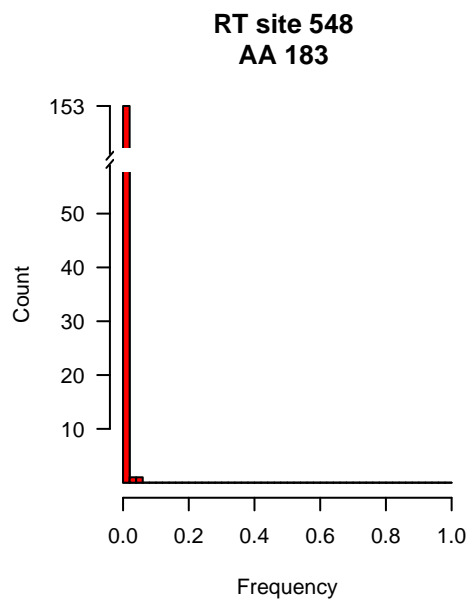
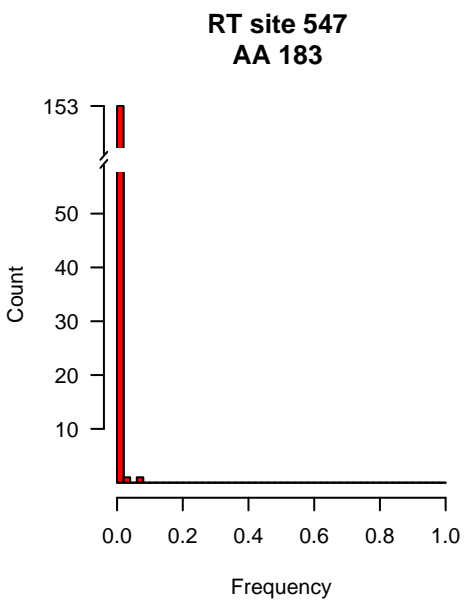
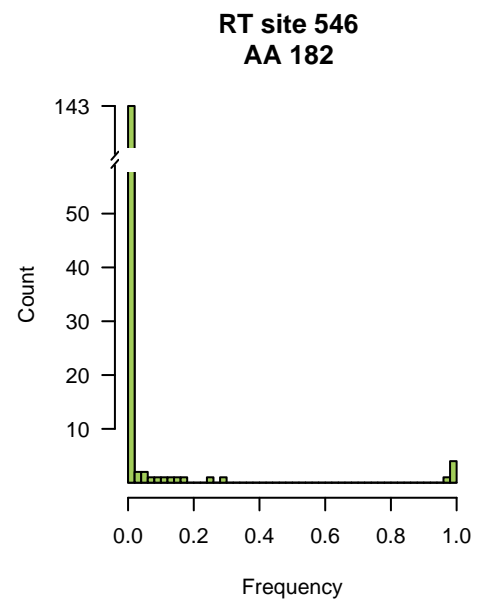
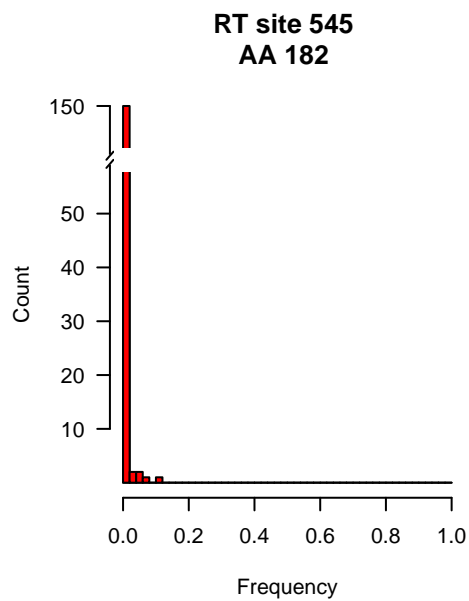
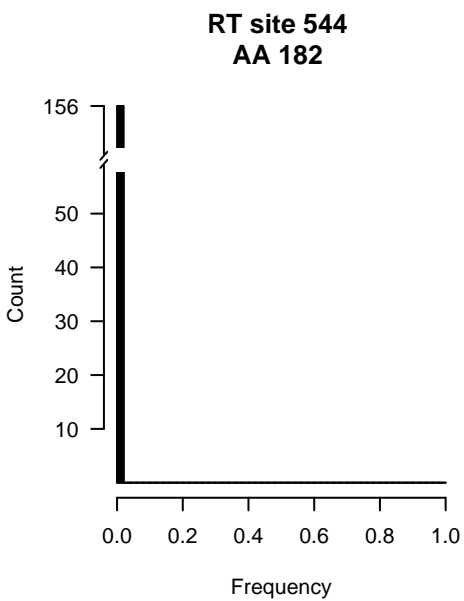
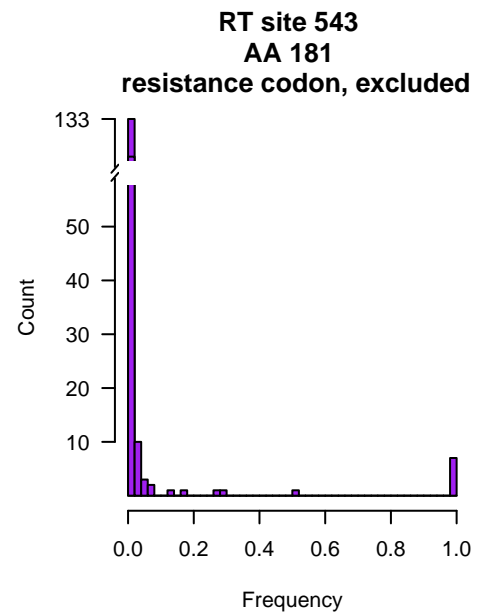
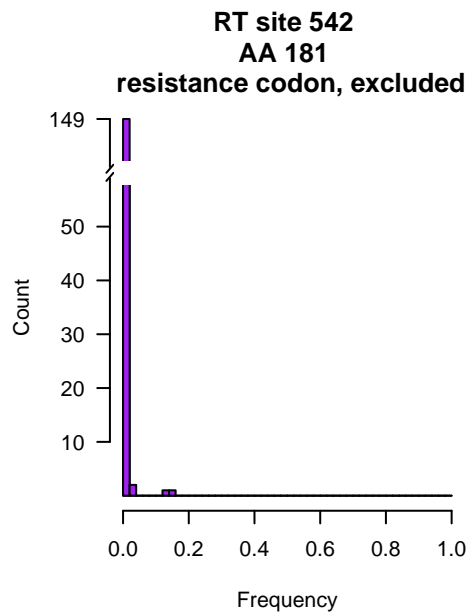
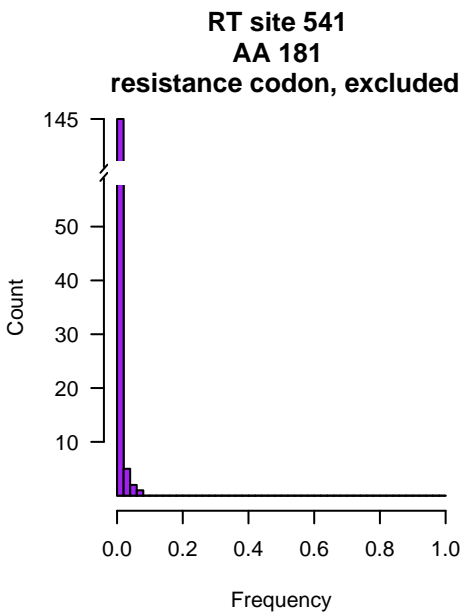


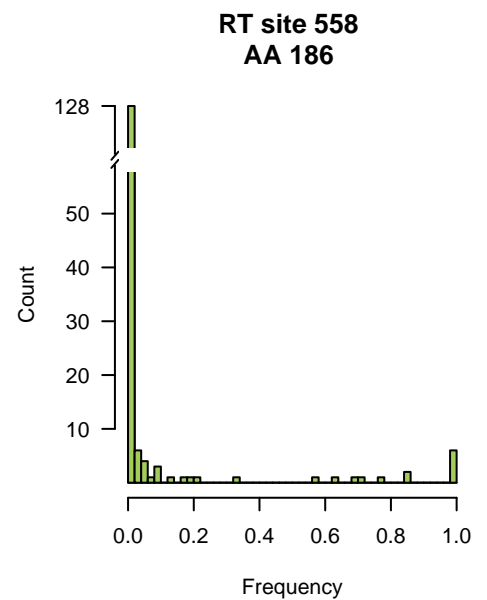
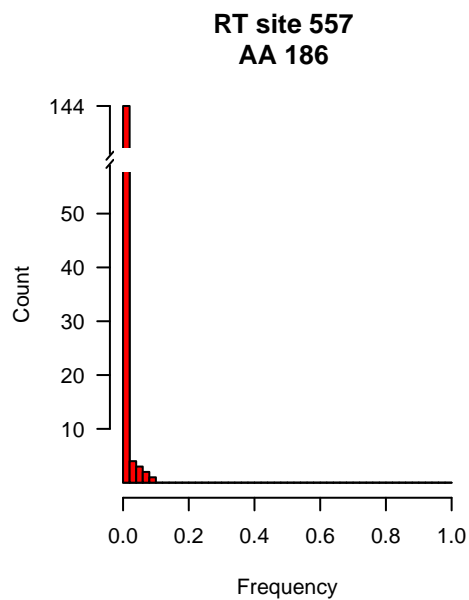
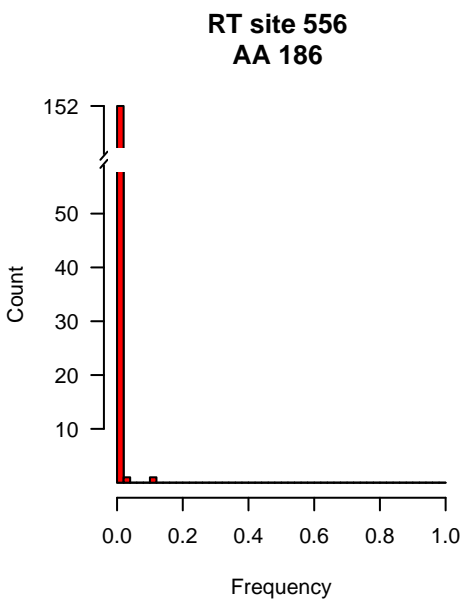
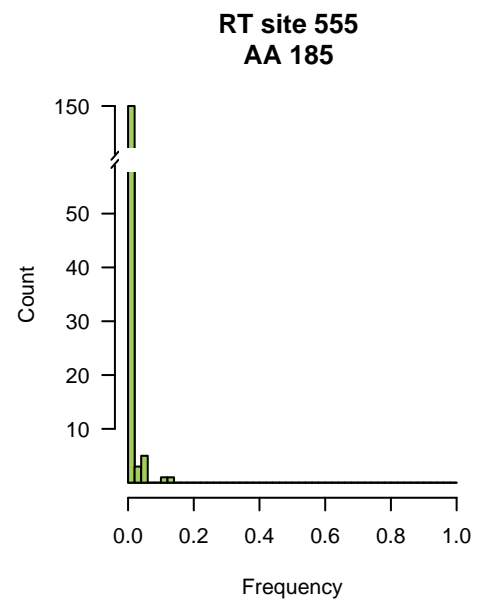
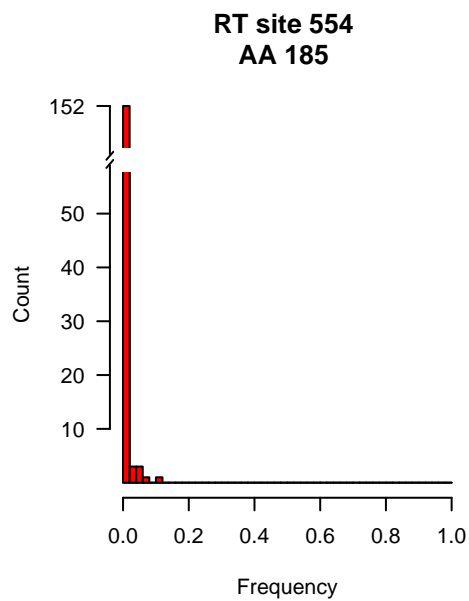
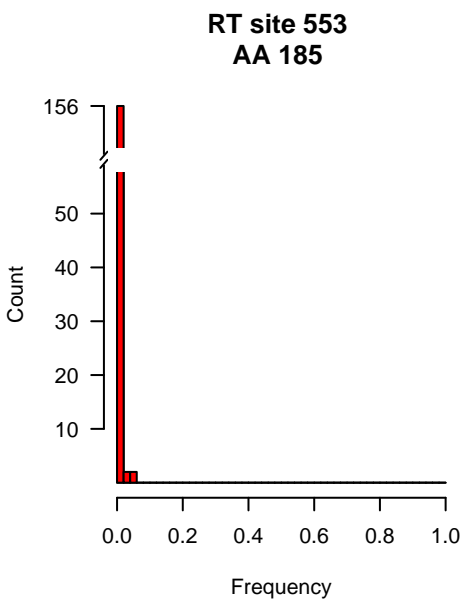
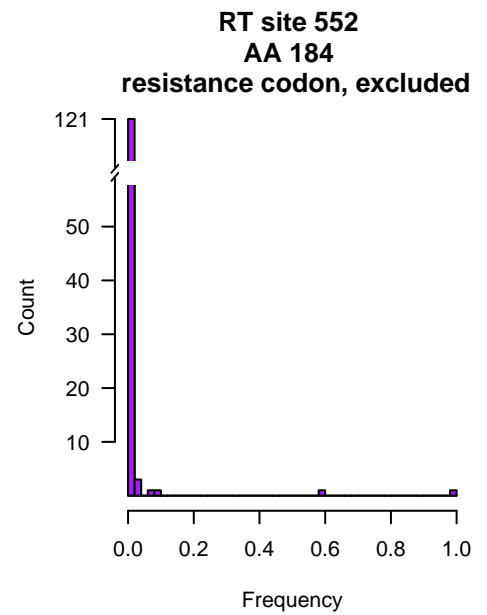
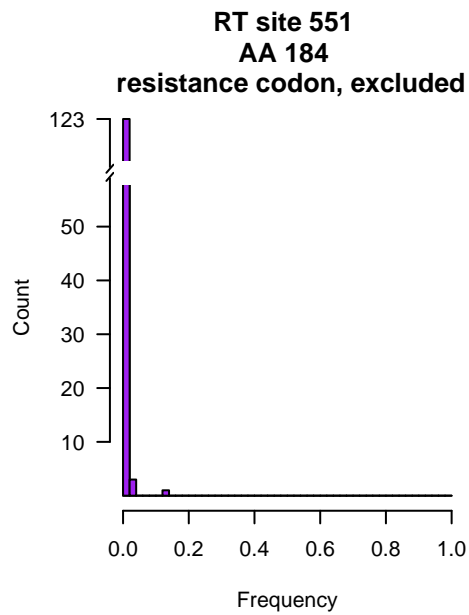
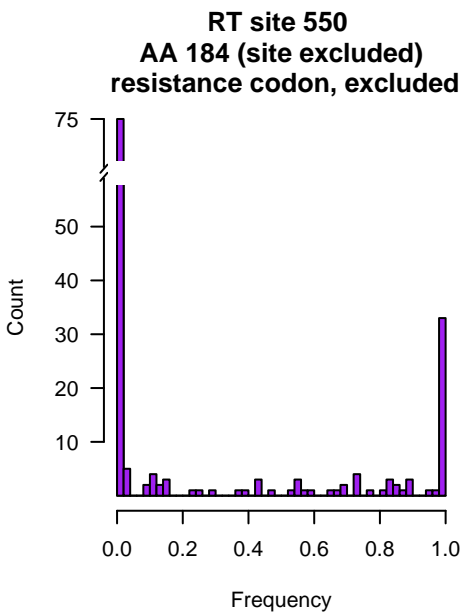
**RT site 539
AA 180**



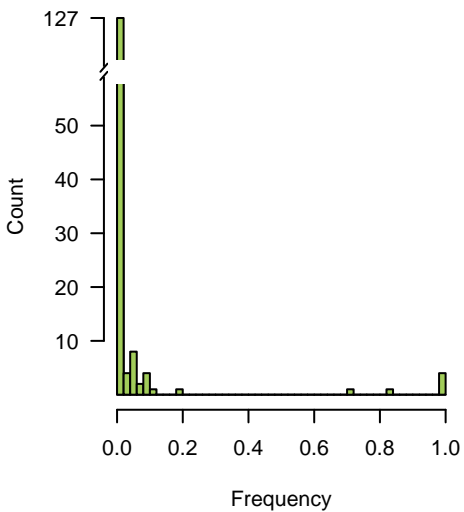
**RT site 540
AA 180**



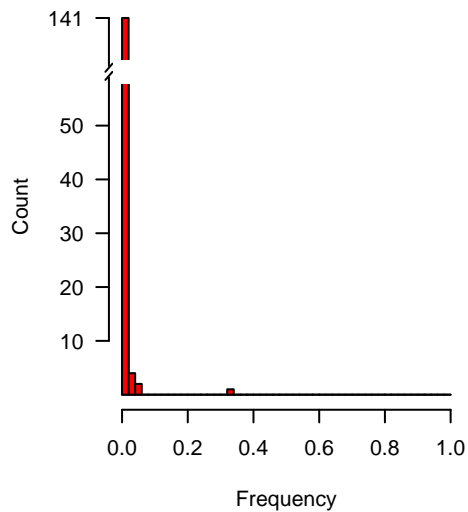




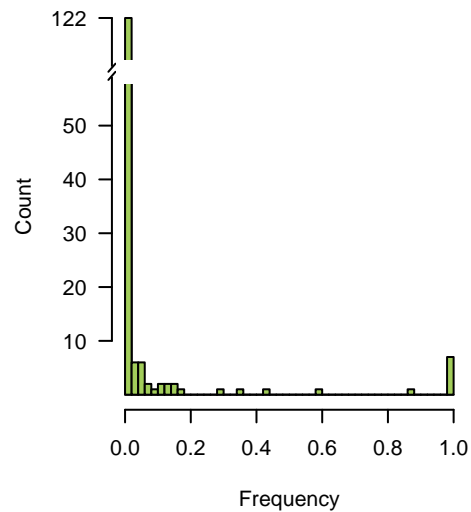
**RT site 559
AA 187**



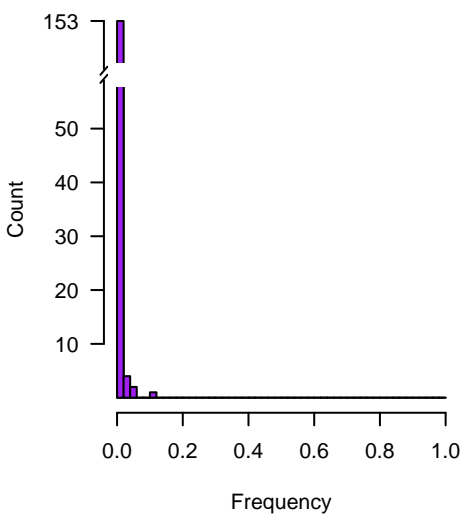
**RT site 560
AA 187**



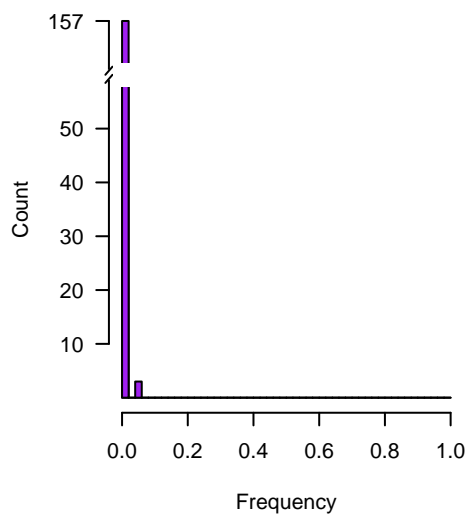
**RT site 561
AA 187**



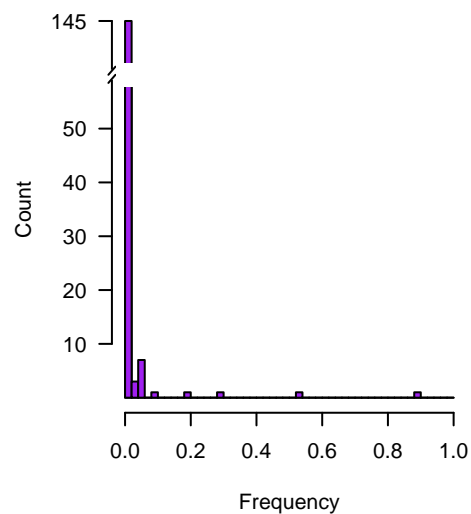
**RT site 562
AA 188
resistance codon, excluded**



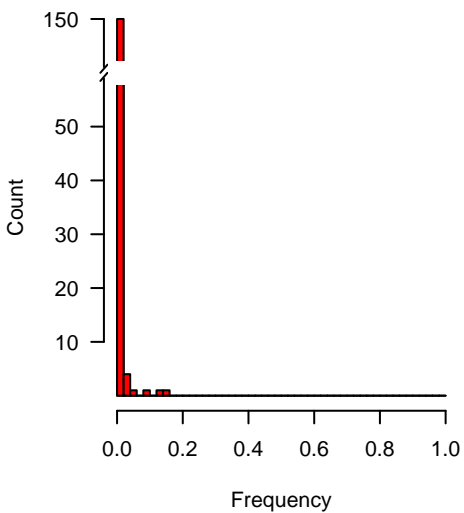
**RT site 563
AA 188
resistance codon, excluded**



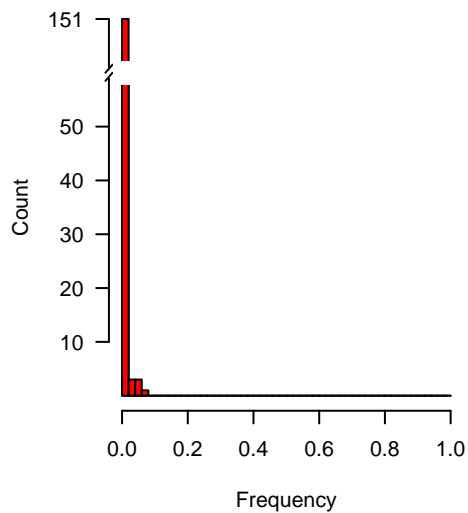
**RT site 564
AA 188
resistance codon, excluded**



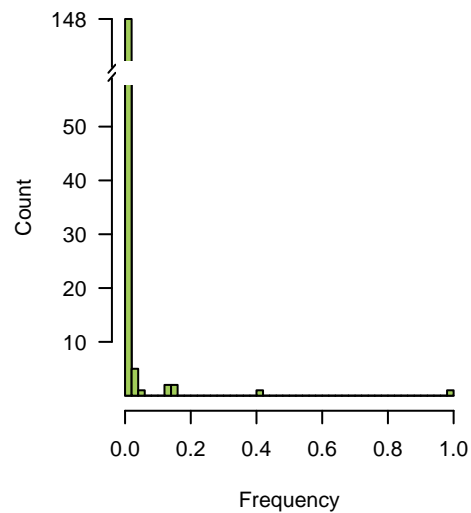
**RT site 565
AA 189**

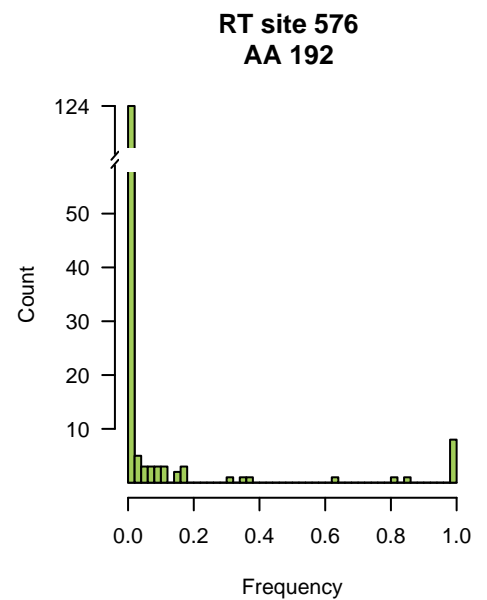
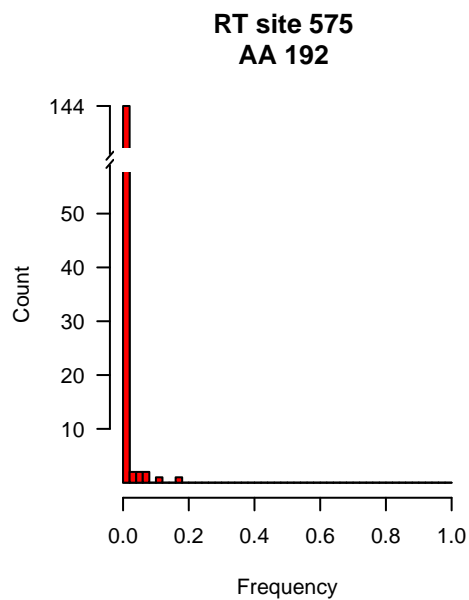
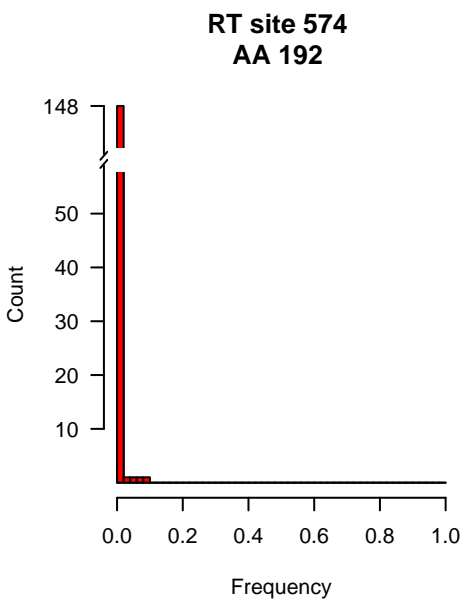
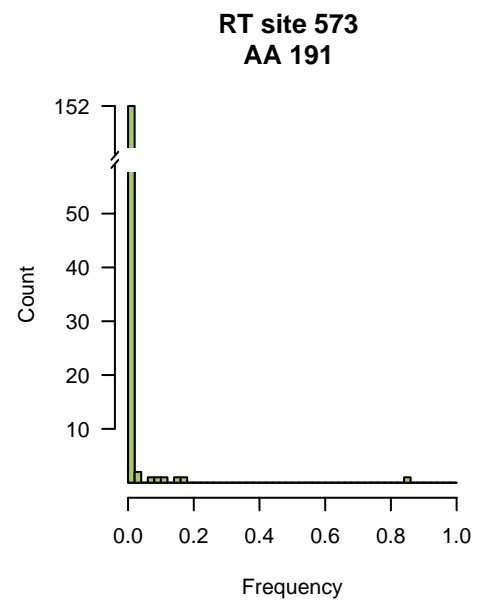
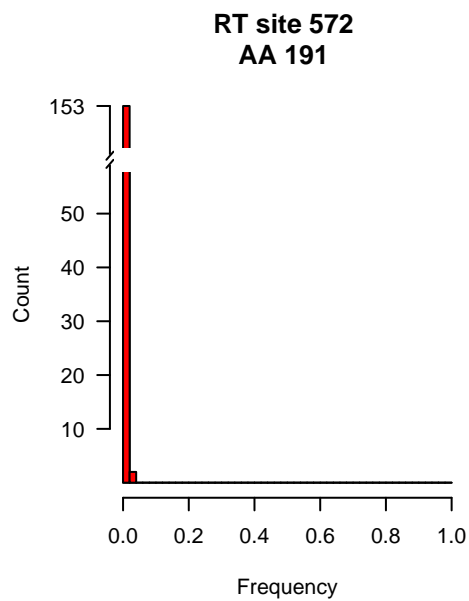
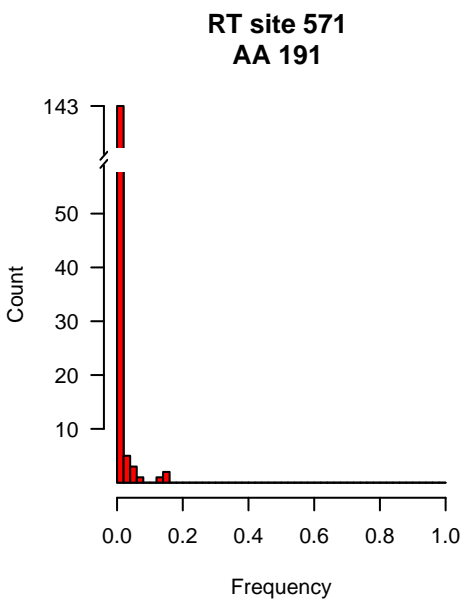
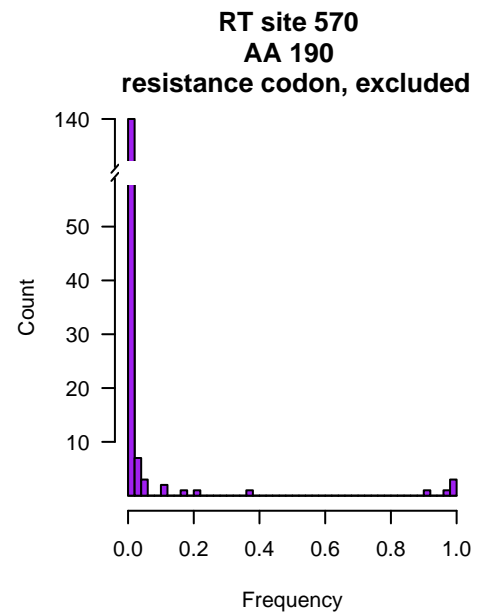
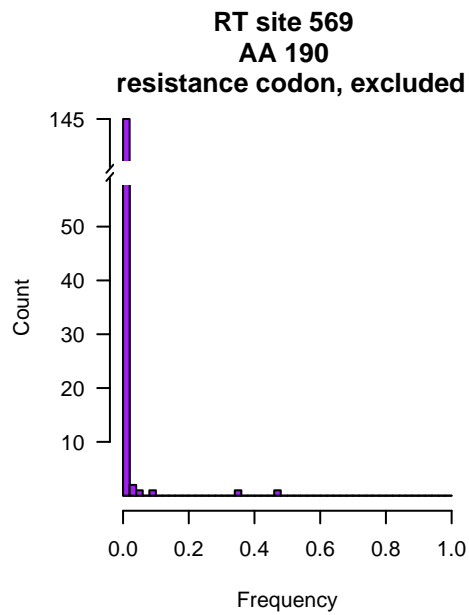
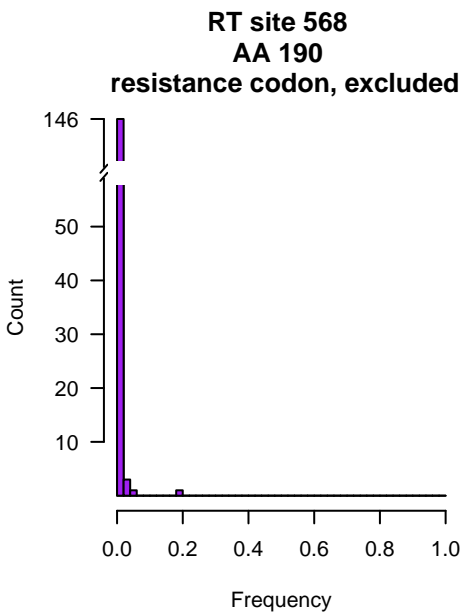


**RT site 566
AA 189**

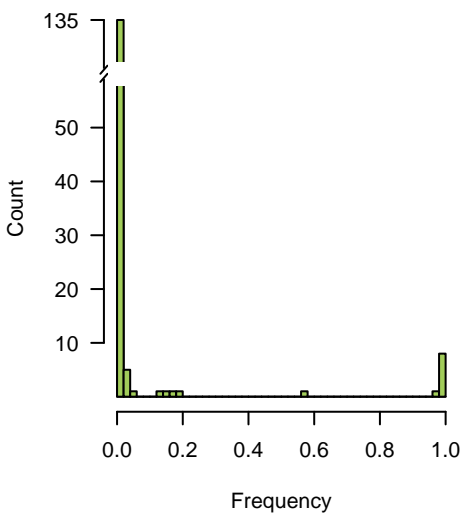


**RT site 567
AA 189**

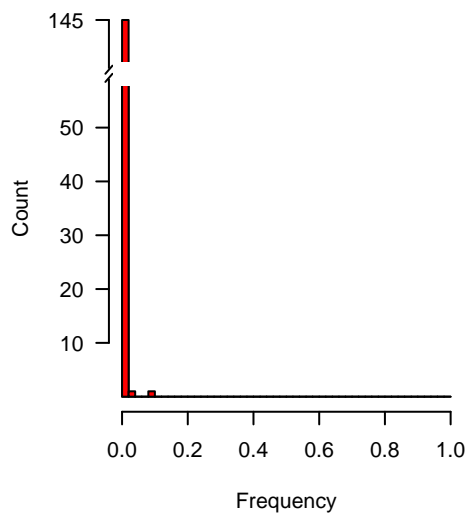




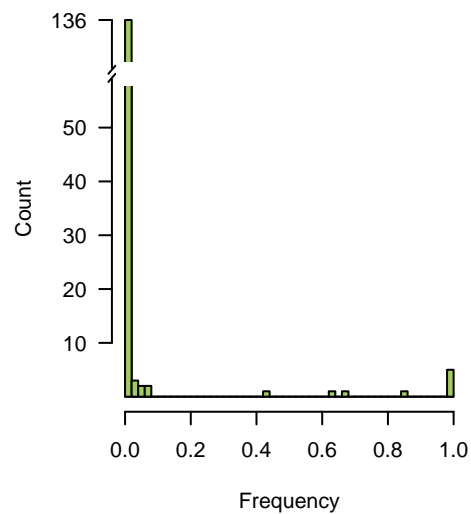
RT site 577
AA 193



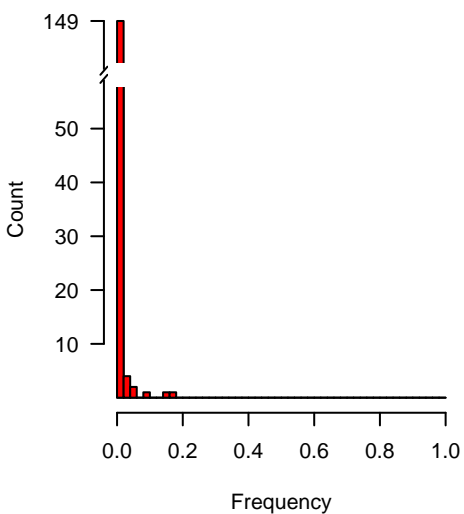
RT site 578
AA 193



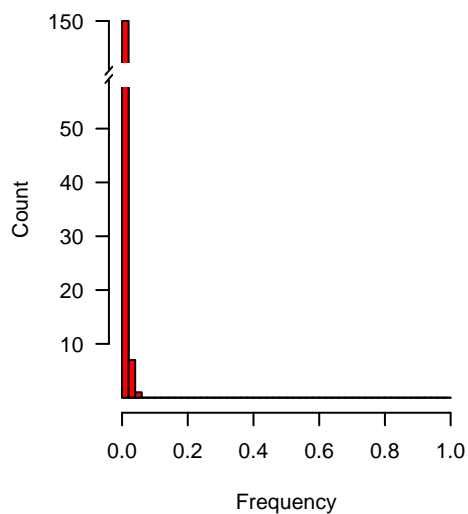
RT site 579
AA 193



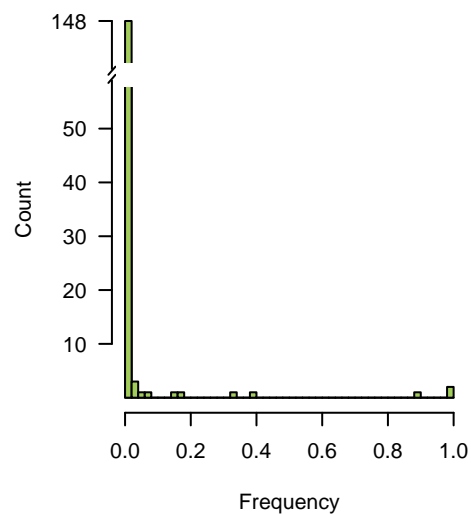
RT site 580
AA 194



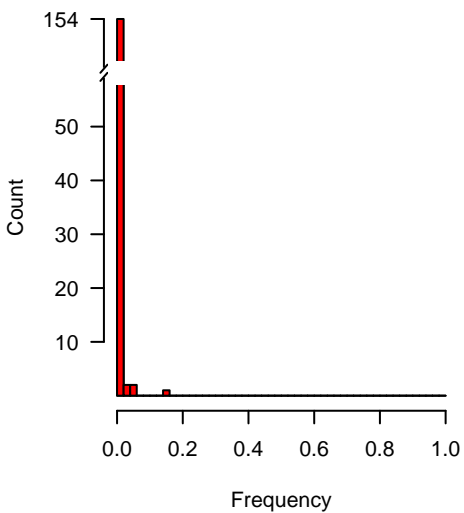
RT site 581
AA 194



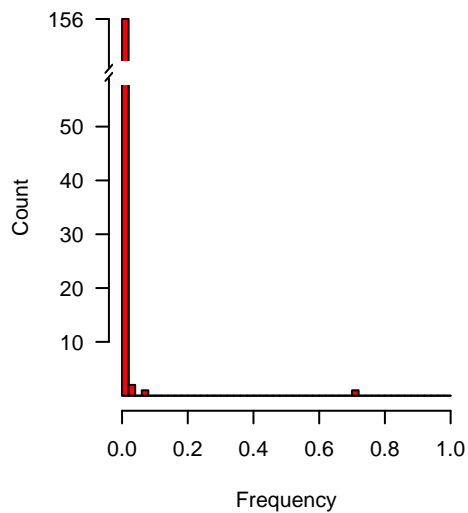
RT site 582
AA 194



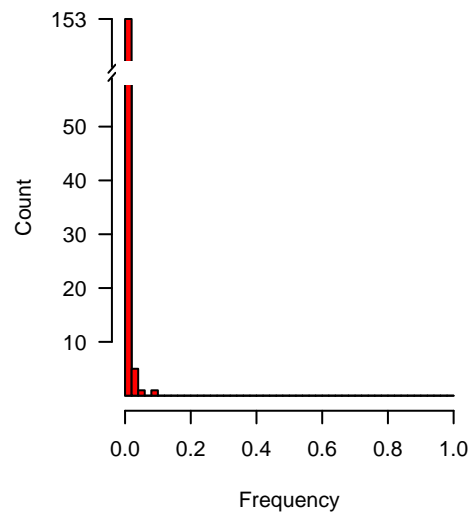
RT site 583
AA 195



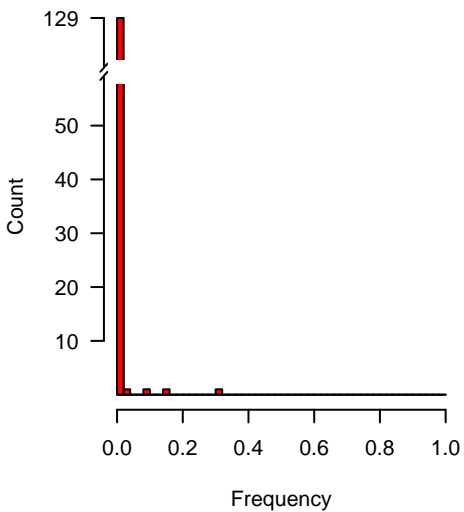
RT site 584
AA 195



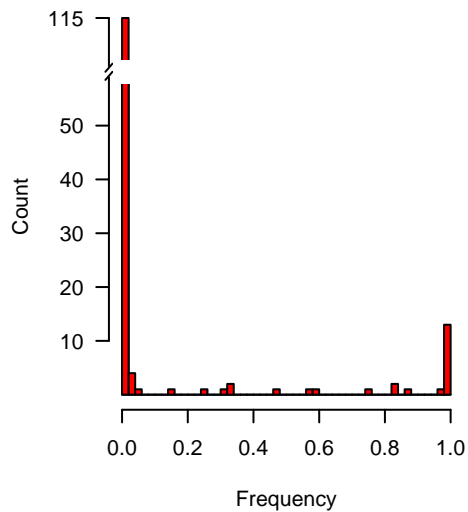
RT site 585
AA 195



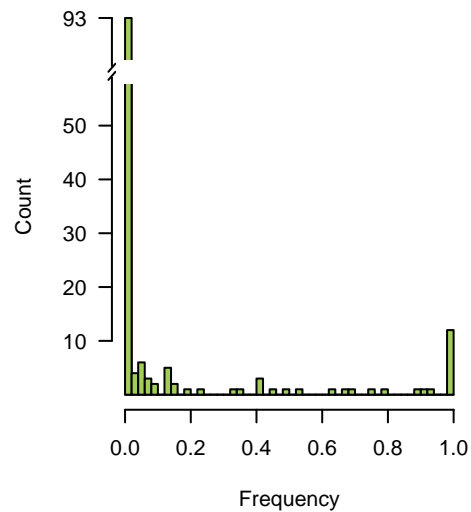
**RT site 586
AA 196**



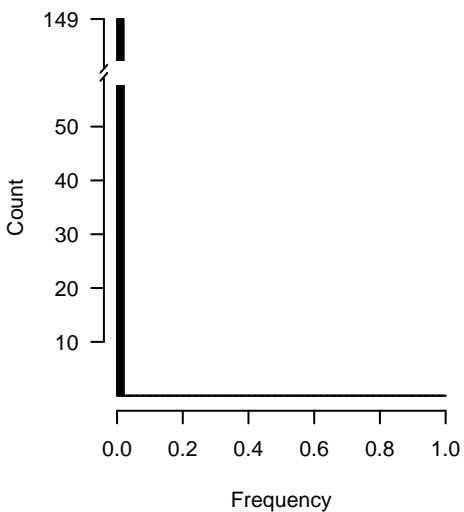
**RT site 587
AA 196 (site excluded)**



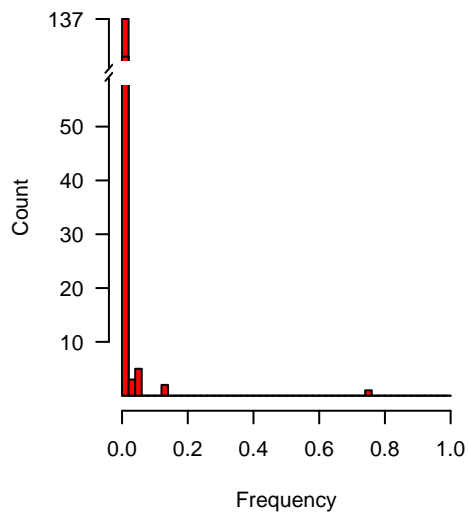
**RT site 588
AA 196 (site excluded)**



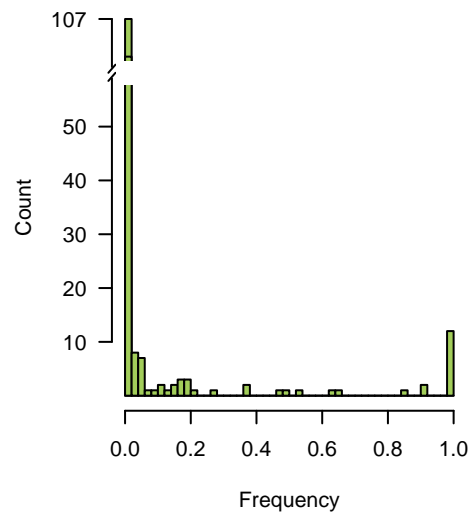
**RT site 589
AA 197**



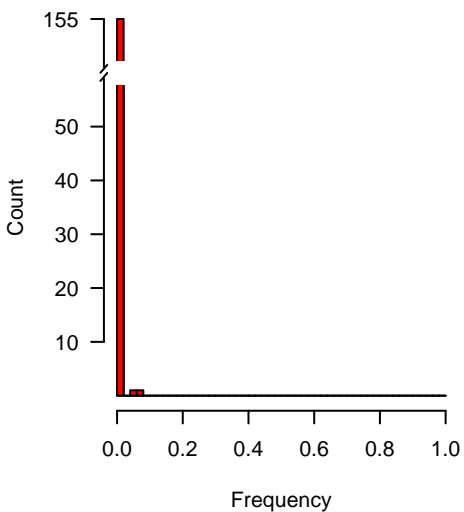
**RT site 590
AA 197**



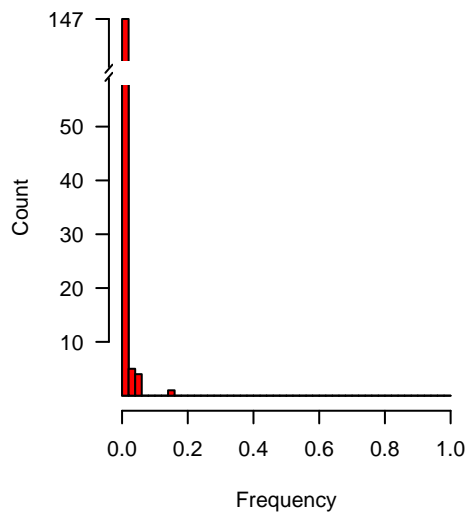
**RT site 591
AA 197 (site excluded)**



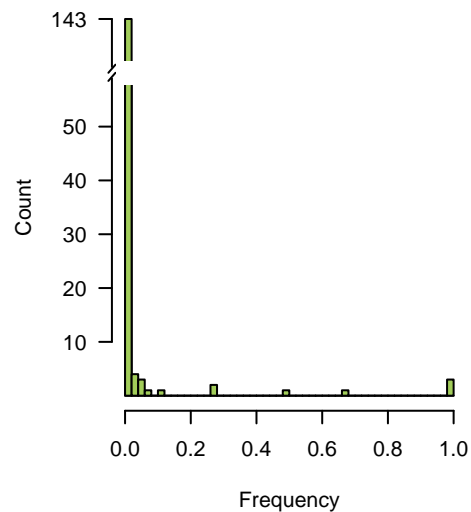
**RT site 592
AA 198**



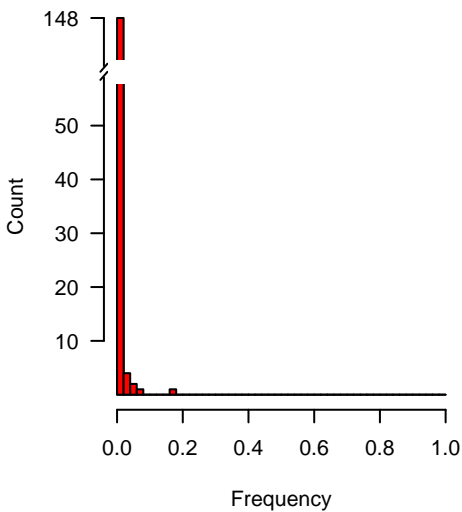
**RT site 593
AA 198**



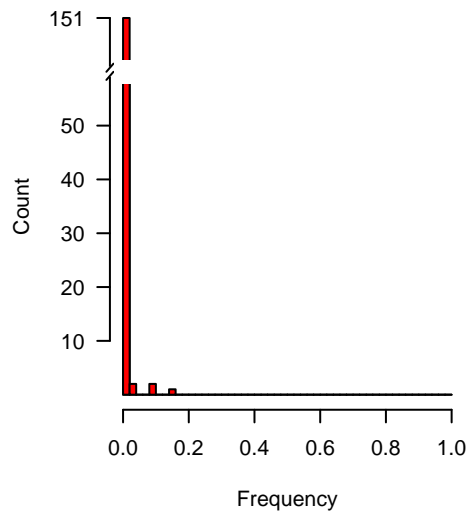
**RT site 594
AA 198**



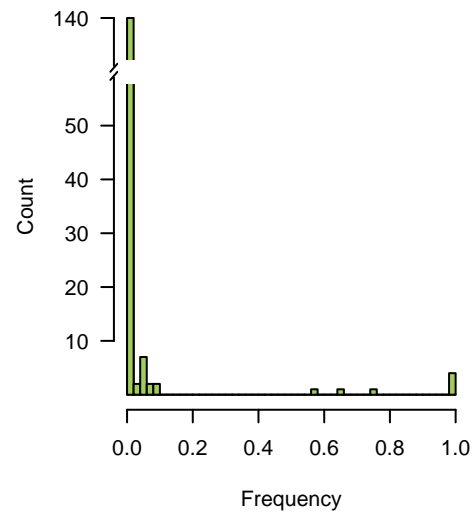
**RT site 595
AA 199**



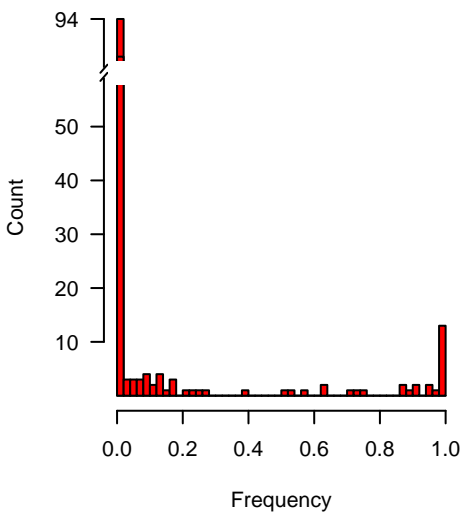
**RT site 596
AA 199**



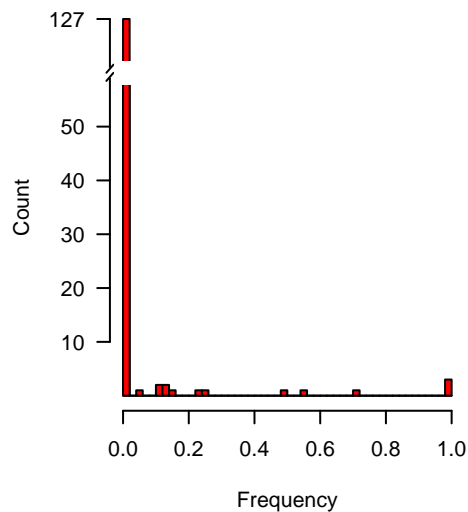
**RT site 597
AA 199**



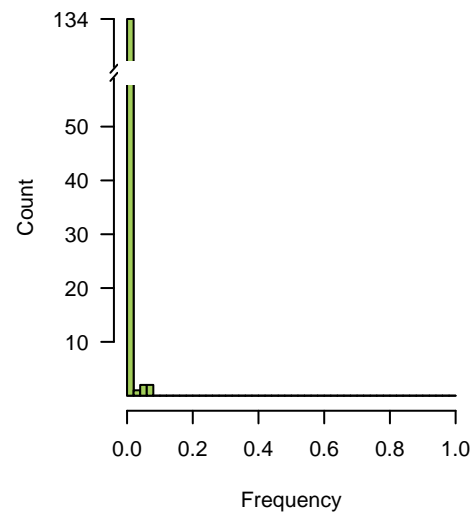
**RT site 598
AA 200 (site excluded)**



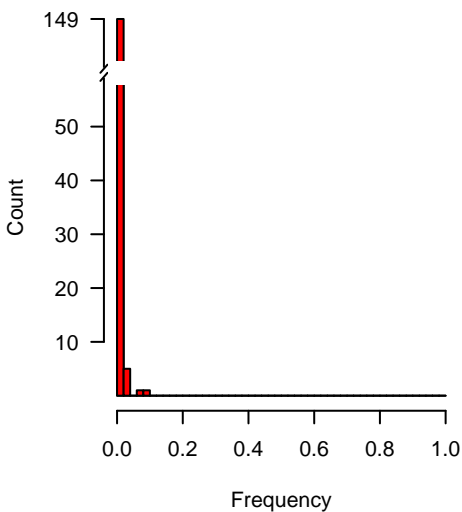
**RT site 599
AA 200**



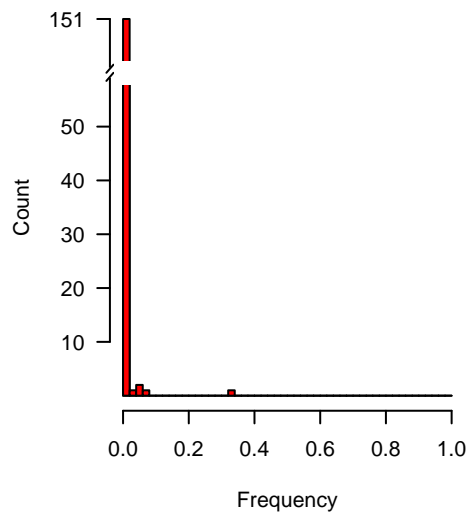
**RT site 600
AA 200**



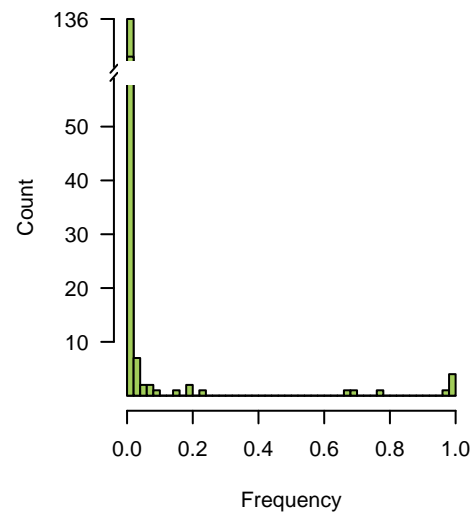
**RT site 601
AA 201**



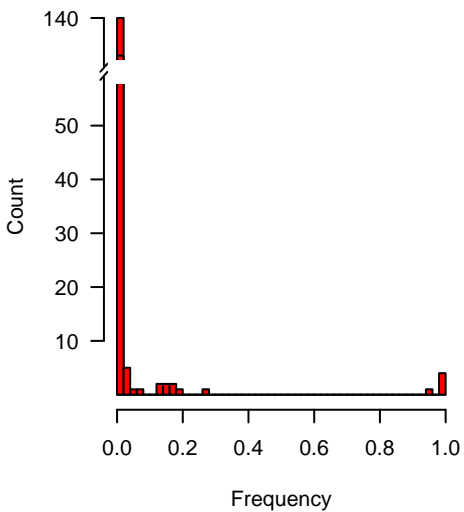
**RT site 602
AA 201**



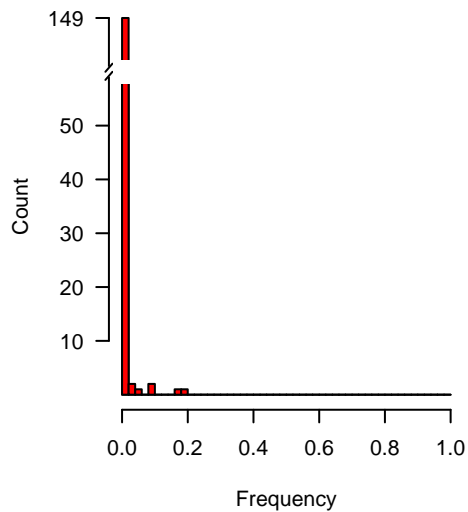
**RT site 603
AA 201**



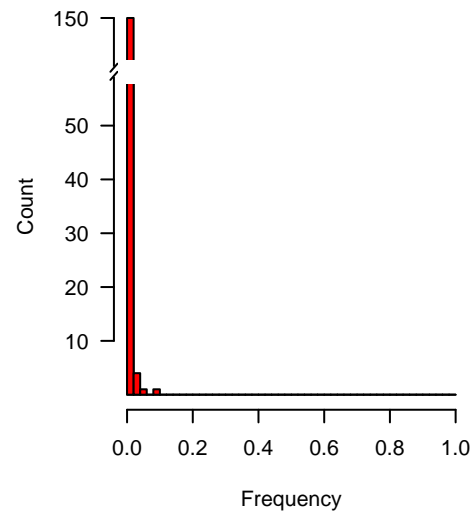
**RT site 604
AA 202**



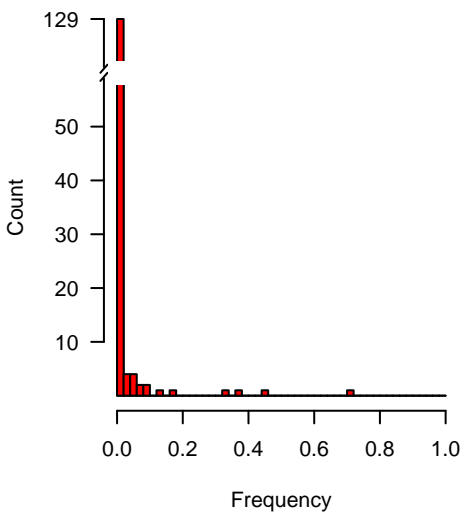
**RT site 605
AA 202**



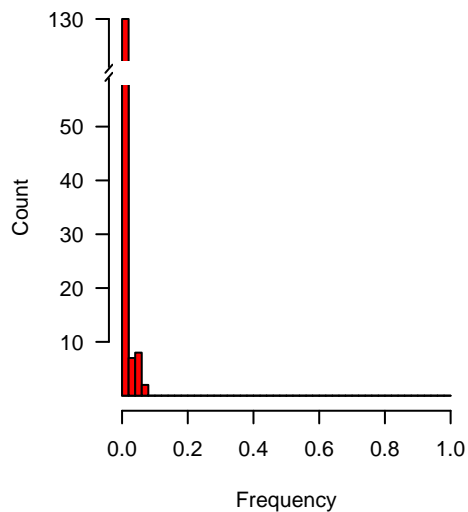
**RT site 606
AA 202**



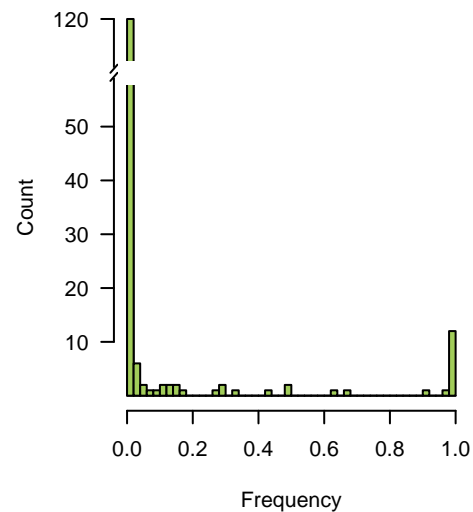
**RT site 607
AA 203**



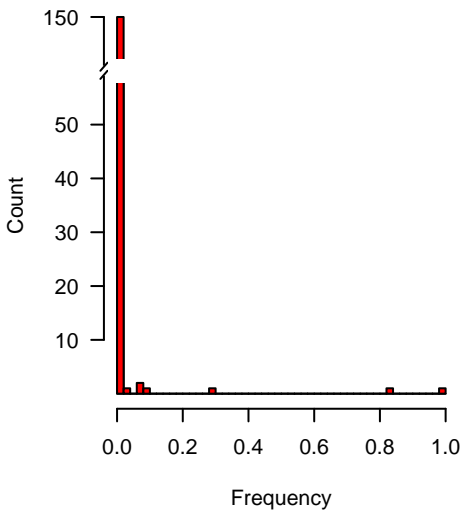
**RT site 608
AA 203**



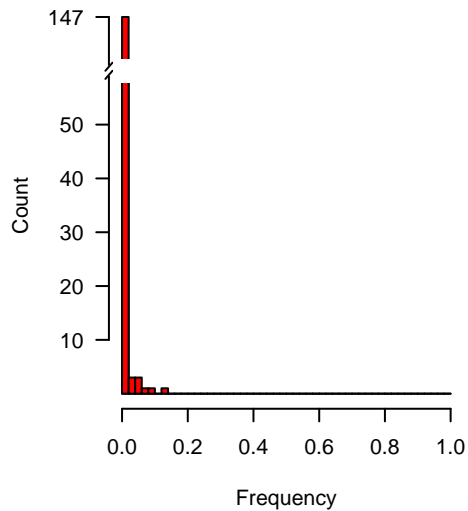
**RT site 609
AA 203 (site excluded)**



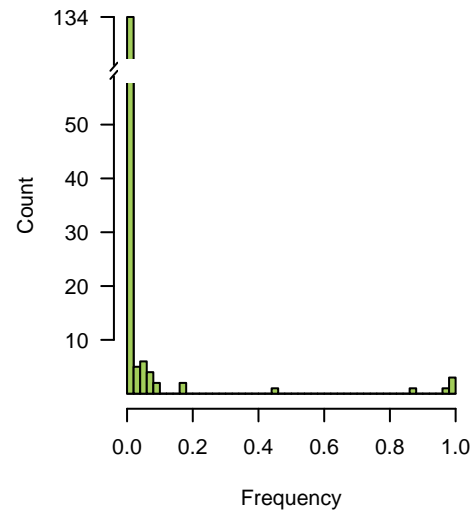
**RT site 610
AA 204**



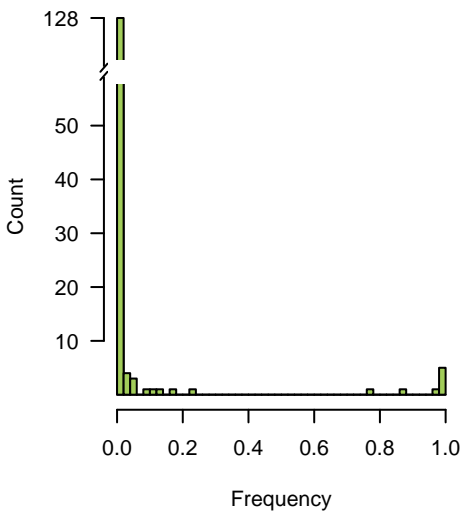
**RT site 611
AA 204**



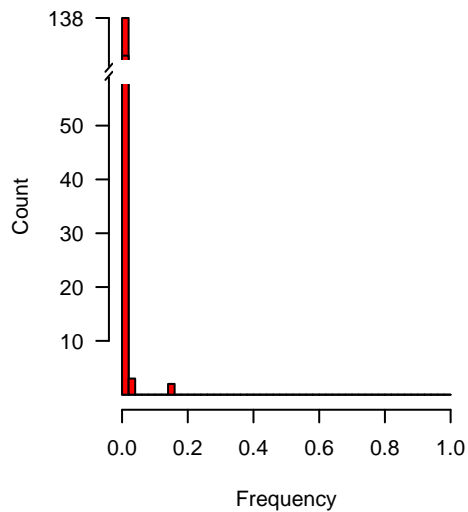
**RT site 612
AA 204**



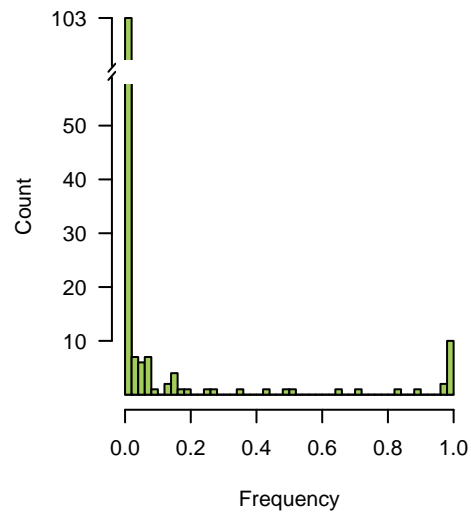
**RT site 613
AA 205**



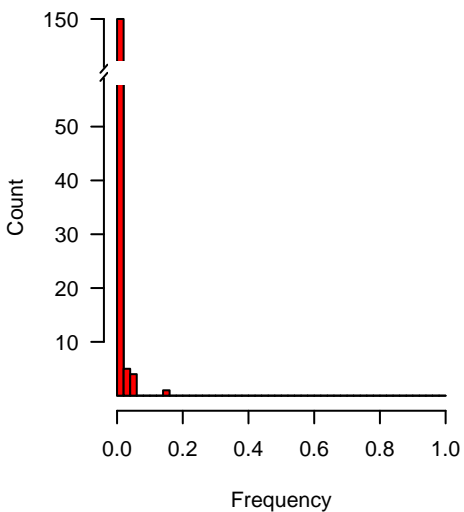
**RT site 614
AA 205**



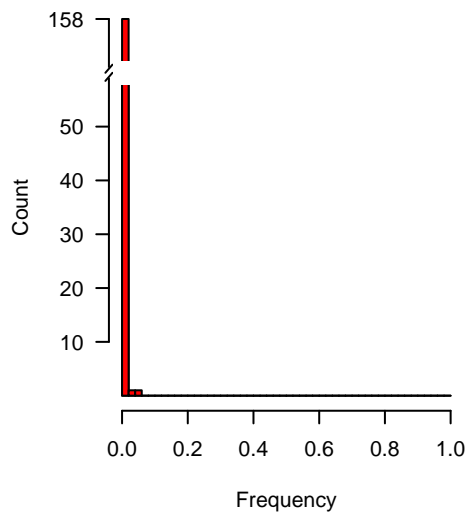
**RT site 615
AA 205 (site excluded)**



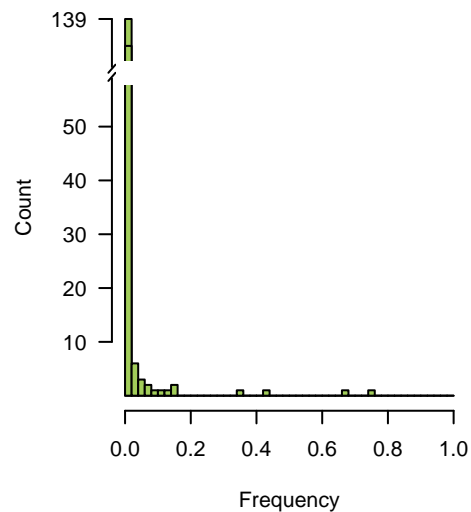
**RT site 616
AA 206**



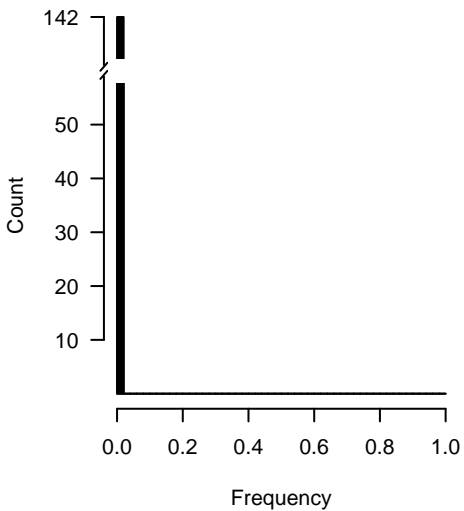
**RT site 617
AA 206**



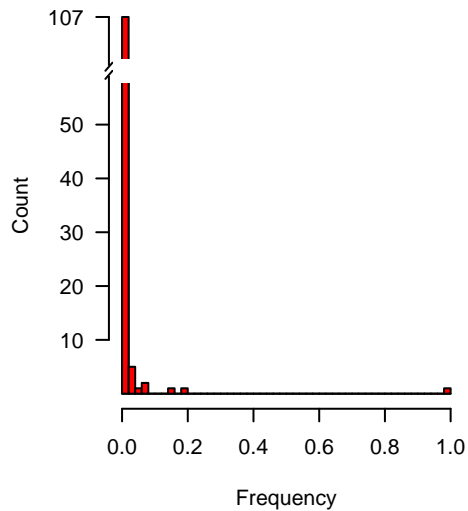
**RT site 618
AA 206**



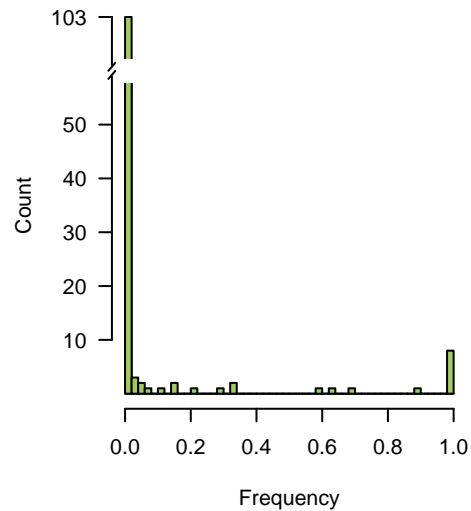
**RT site 619
AA 207 (site excluded)**



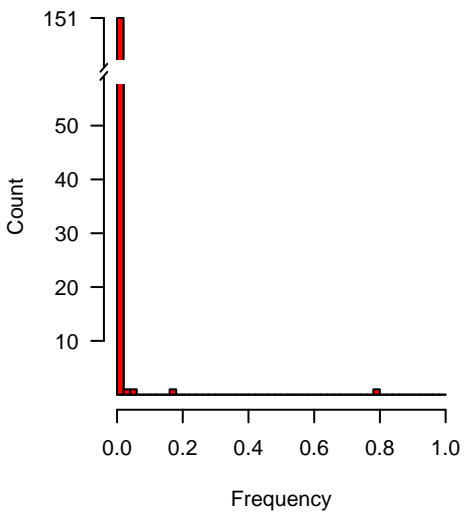
**RT site 620
AA 207**



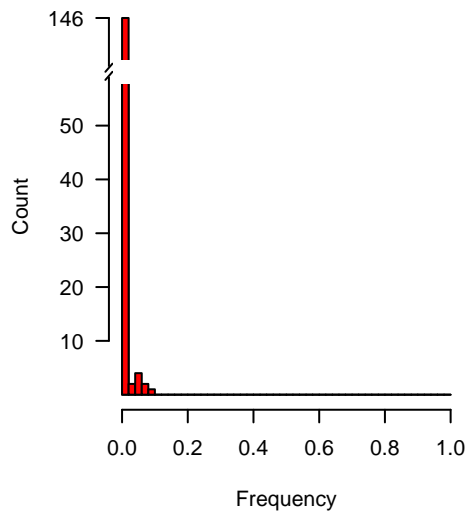
**RT site 621
AA 207 (site excluded)**



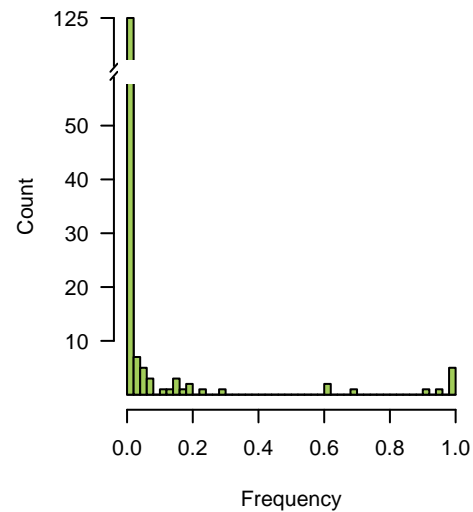
**RT site 622
AA 208**



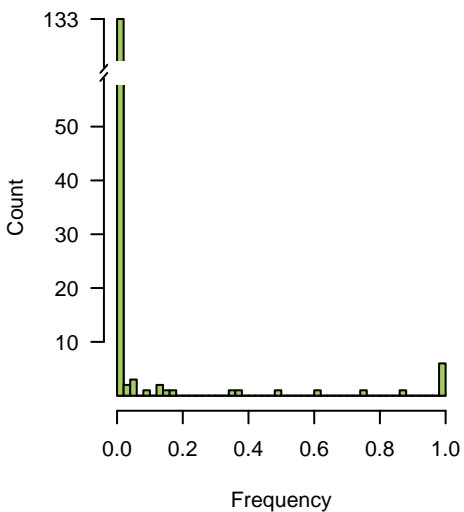
**RT site 623
AA 208**



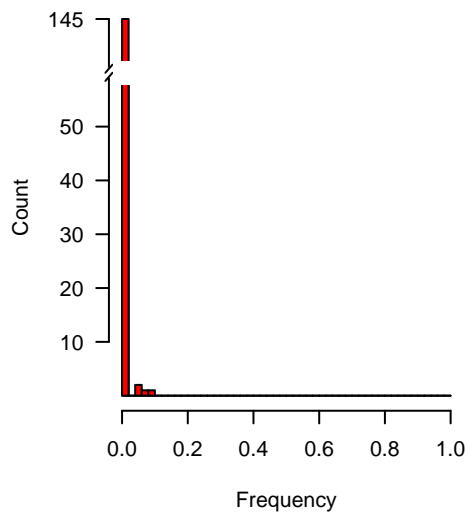
**RT site 624
AA 208**



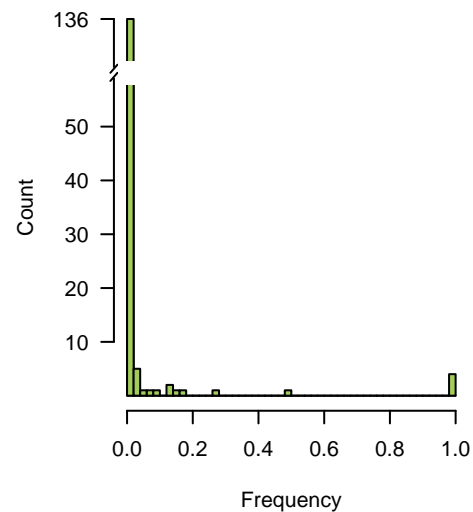
**RT site 625
AA 209**



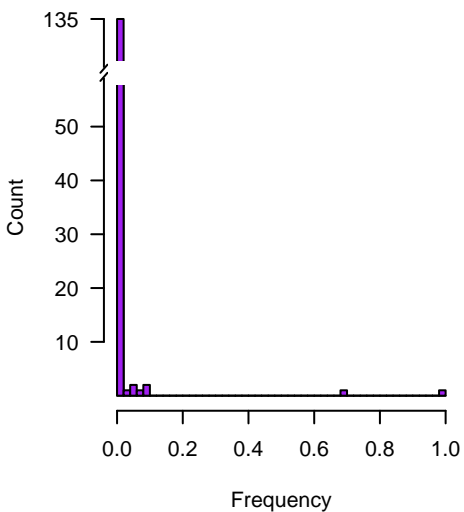
**RT site 626
AA 209**



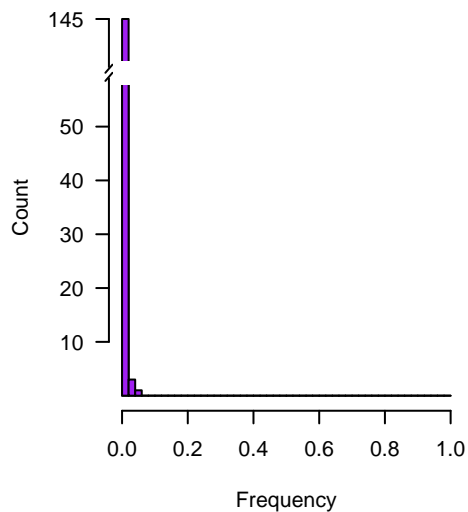
**RT site 627
AA 209**



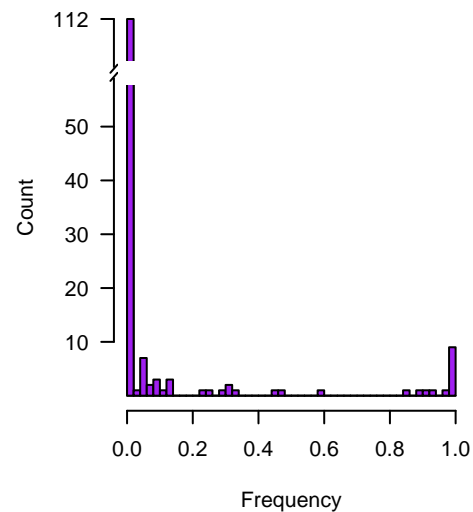
**RT site 628
AA 210
resistance codon, excluded**



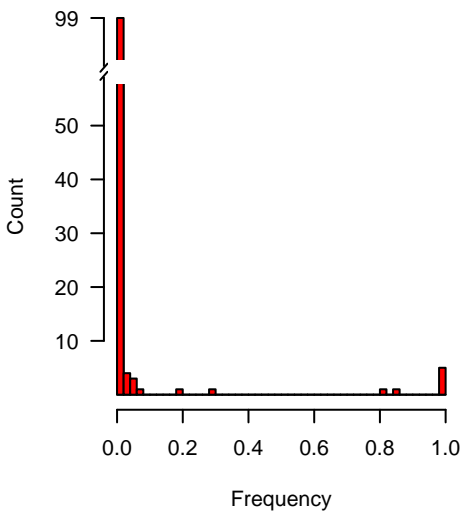
**RT site 629
AA 210
resistance codon, excluded**



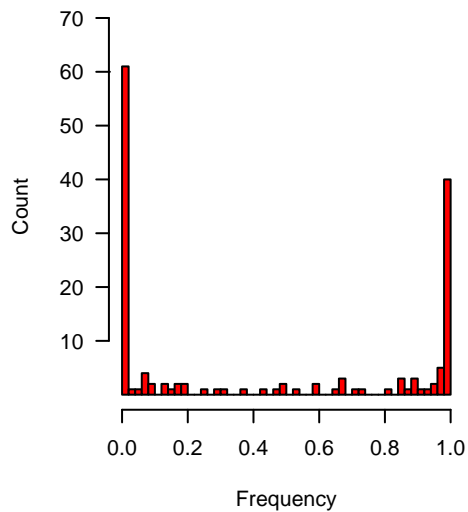
**RT site 630
AA 210
resistance codon, excluded**



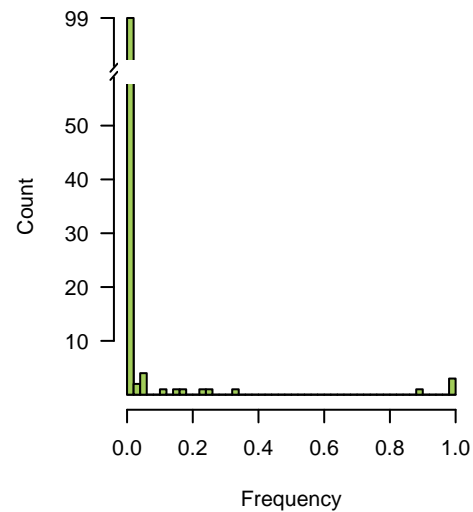
**RT site 631
AA 211**



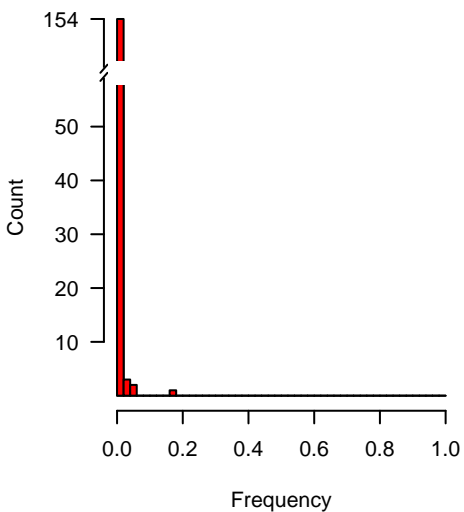
**RT site 632
AA 211 (site excluded)**



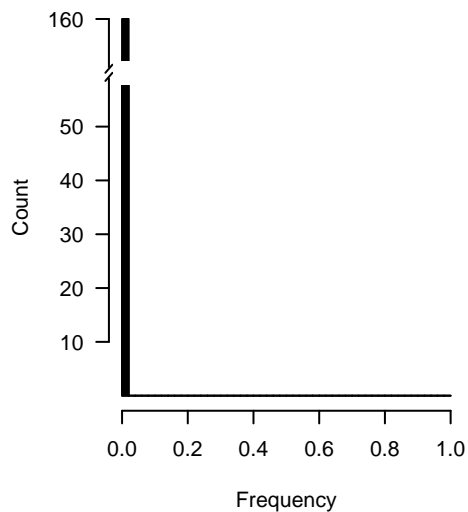
**RT site 633
AA 211**



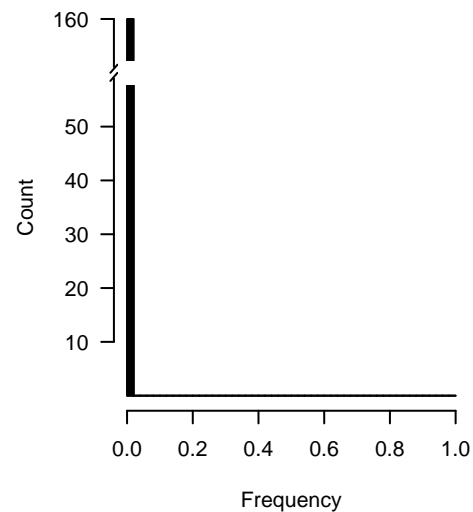
**RT site 634
AA 212**



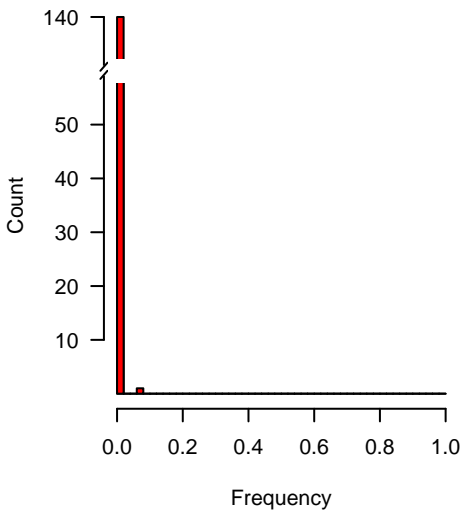
**RT site 635
AA 212**



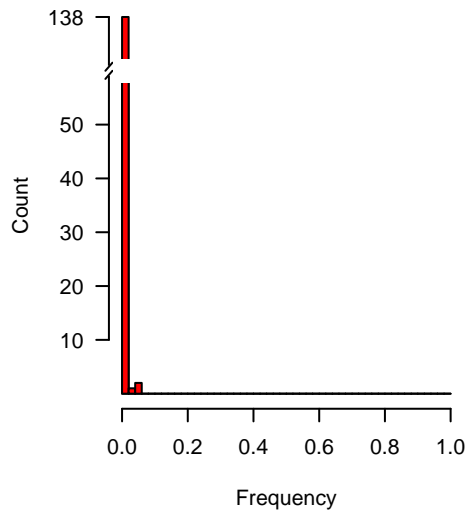
**RT site 636
AA 212**



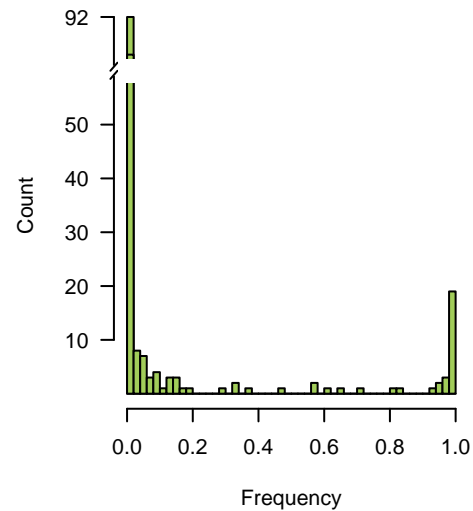
**RT site 637
AA 213**



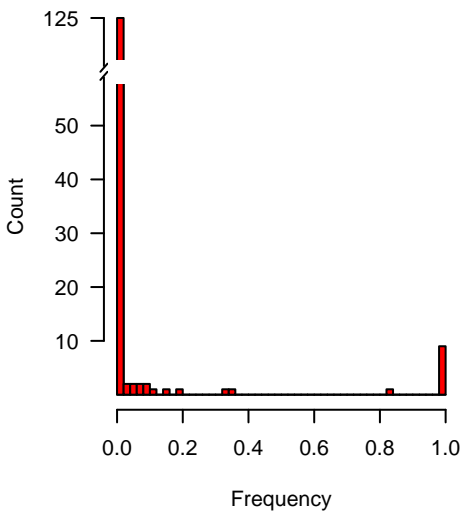
**RT site 638
AA 213**



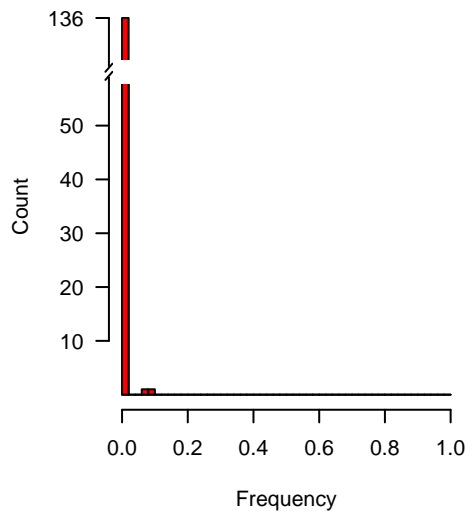
**RT site 639
AA 213 (site excluded)**



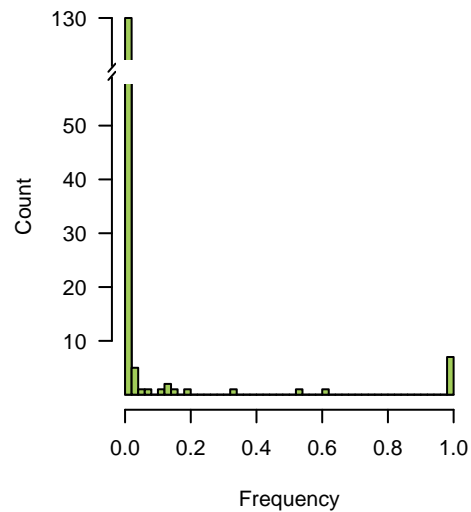
**RT site 640
AA 214**



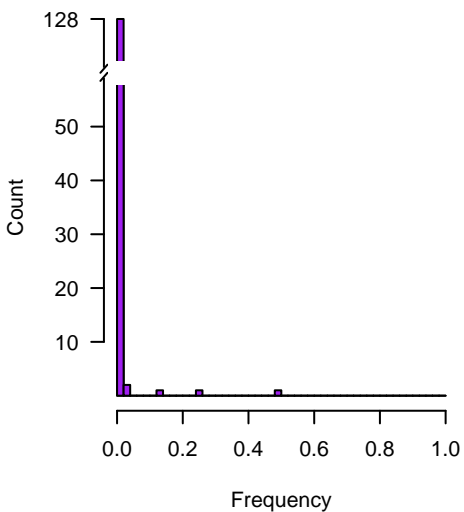
**RT site 641
AA 214**



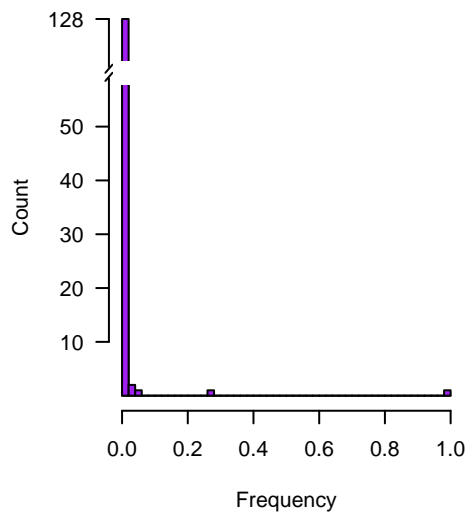
**RT site 642
AA 214**



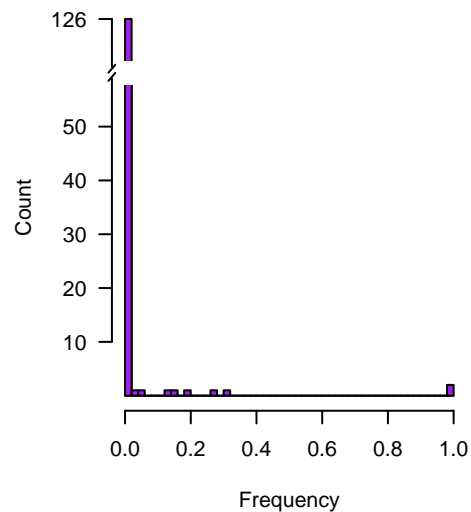
**RT site 643
AA 215 (site excluded)
resistance codon, excluded**



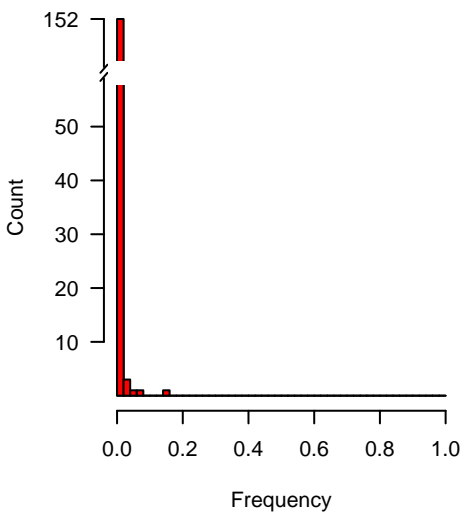
**RT site 644
AA 215 (site excluded)
resistance codon, excluded**



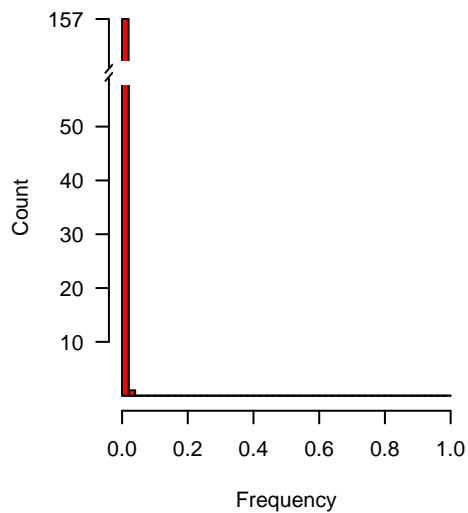
**RT site 645
AA 215
resistance codon, excluded**



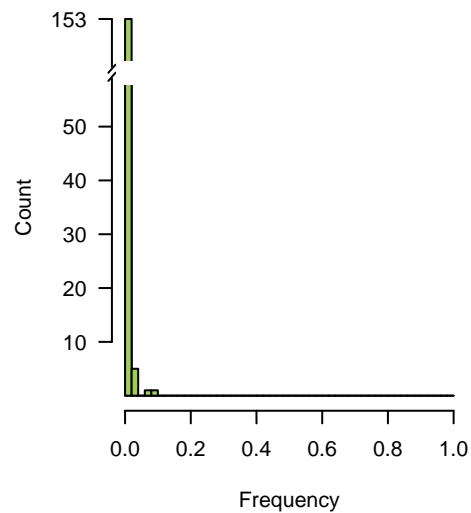
**RT site 646
AA 216**



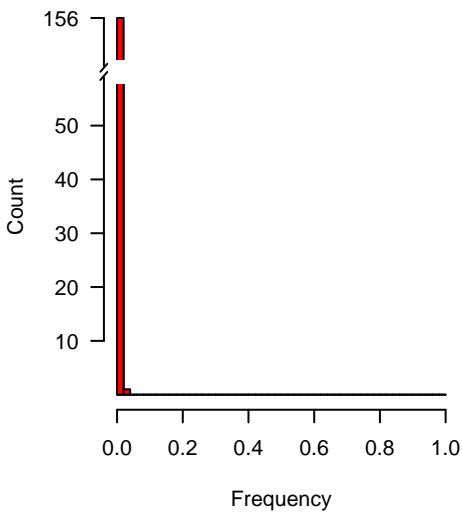
**RT site 647
AA 216**



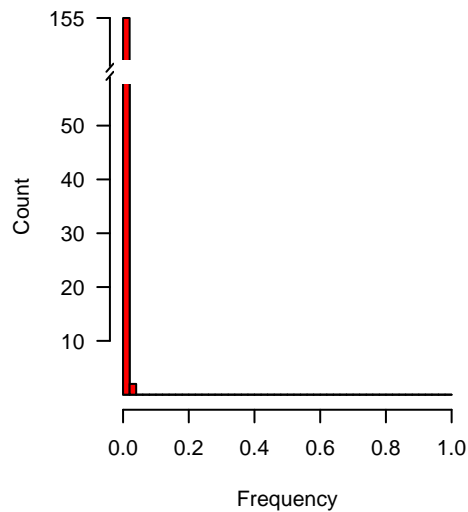
**RT site 648
AA 216**



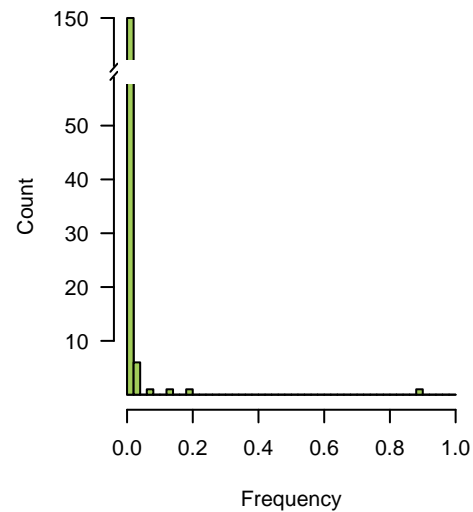
**RT site 649
AA 217**



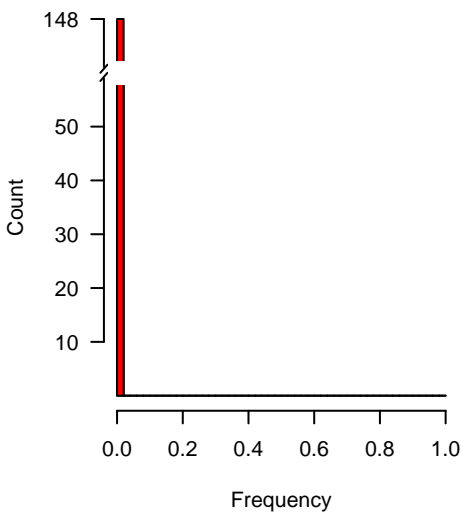
**RT site 650
AA 217**



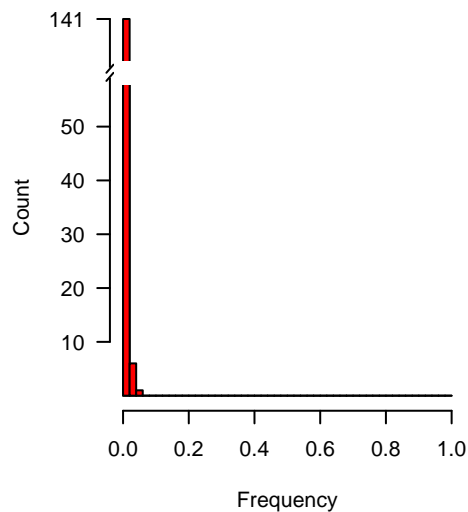
**RT site 651
AA 217**



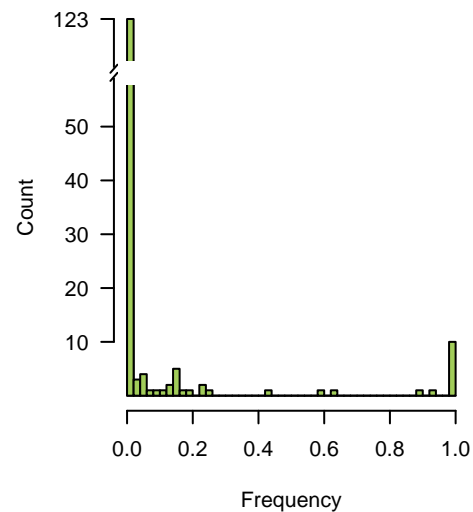
**RT site 652
AA 218**



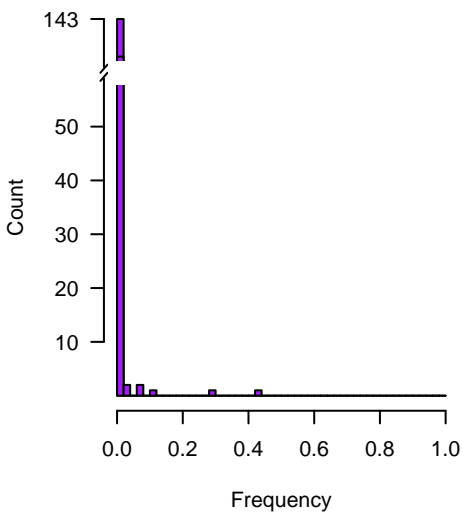
**RT site 653
AA 218**



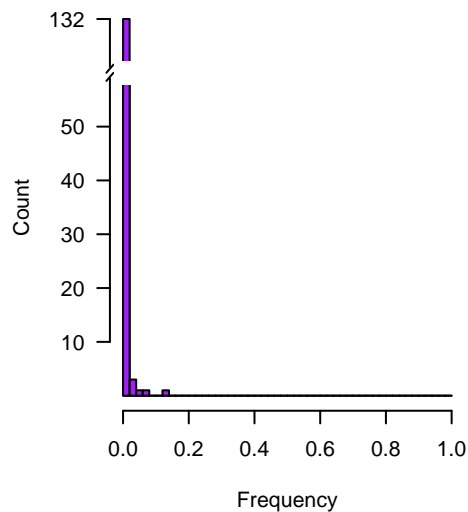
**RT site 654
AA 218 (site excluded)**



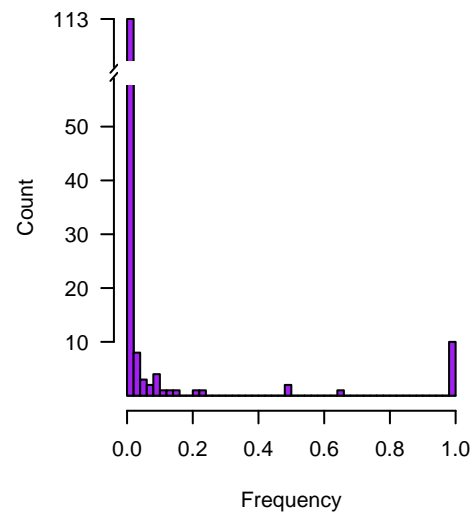
**RT site 655
AA 219
resistance codon, excluded**



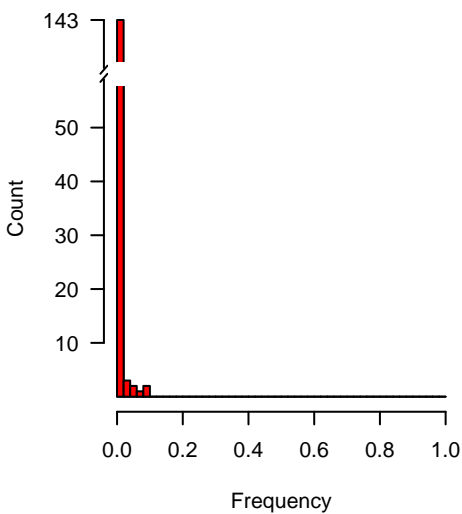
**RT site 656
AA 219
resistance codon, excluded**



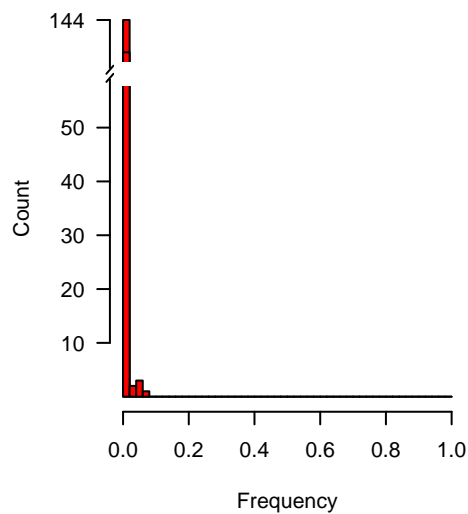
**RT site 657
AA 219
resistance codon, excluded**



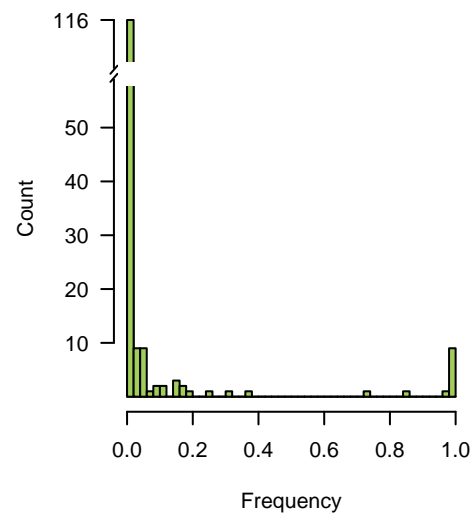
**RT site 658
AA 220**



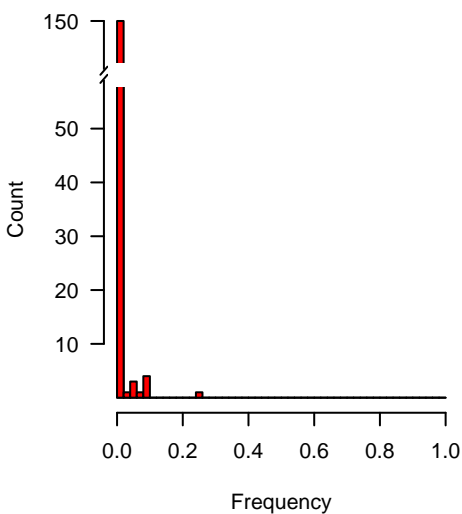
**RT site 659
AA 220**



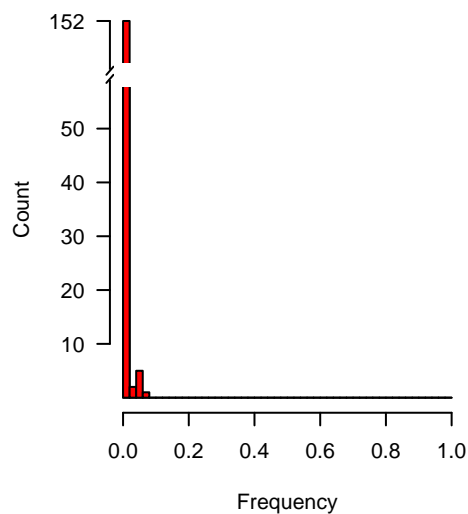
**RT site 660
AA 220**



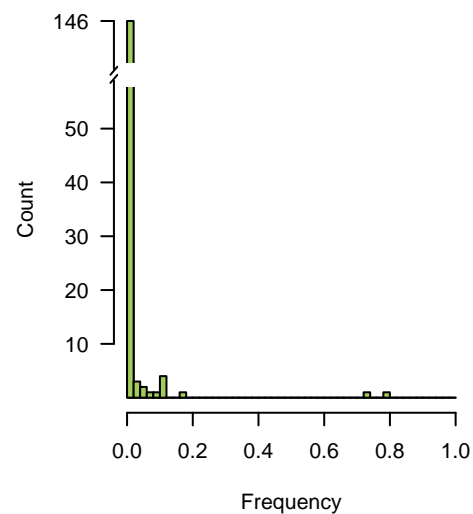
**RT site 661
AA 221**



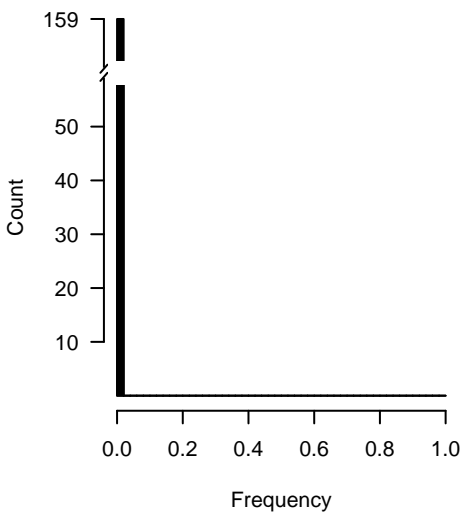
**RT site 662
AA 221**



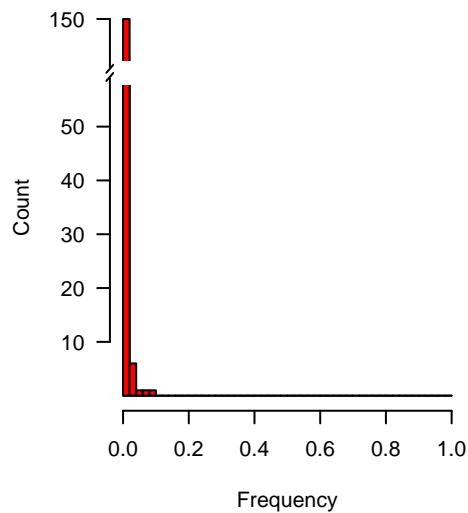
**RT site 663
AA 221**



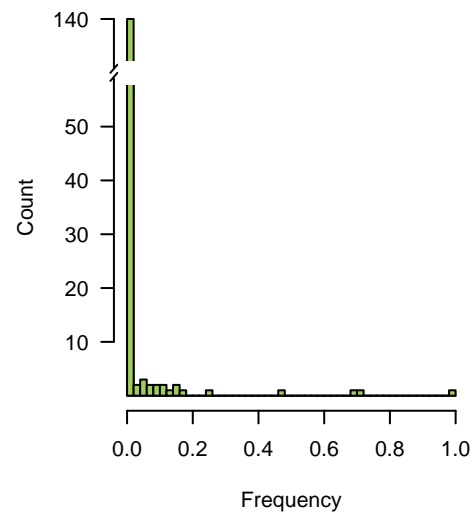
**RT site 664
AA 222**



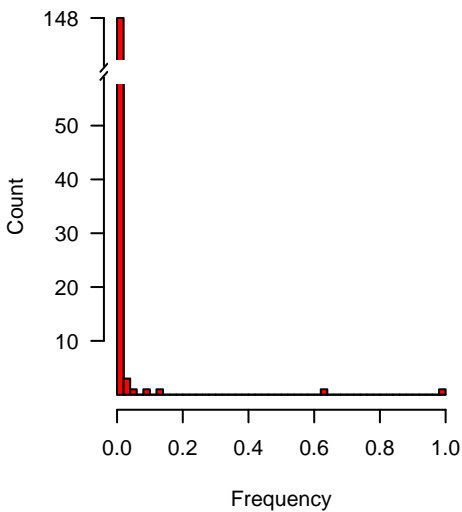
**RT site 665
AA 222**



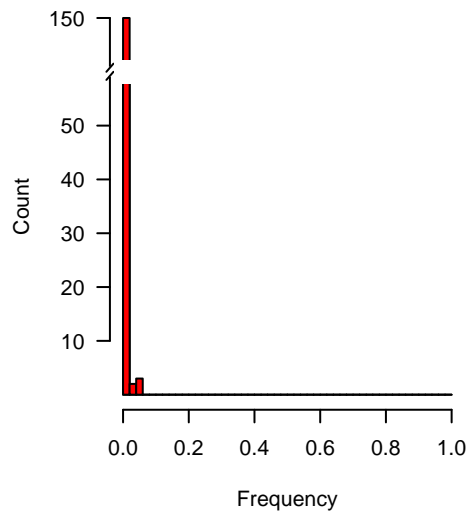
**RT site 666
AA 222**



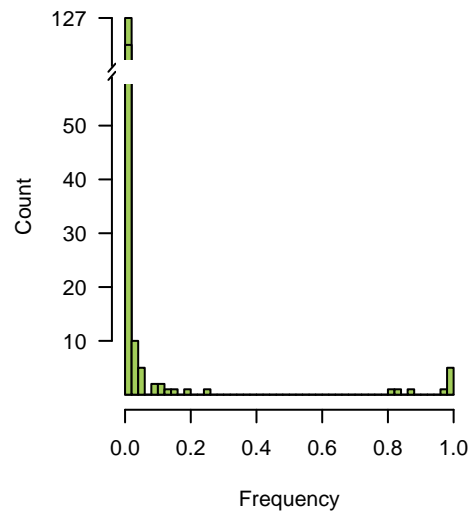
**RT site 667
AA 223**



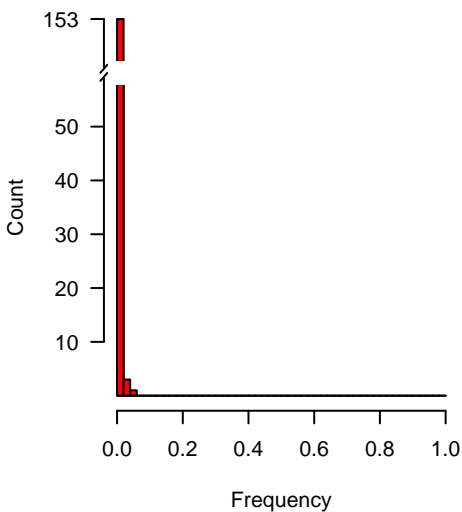
**RT site 668
AA 223**



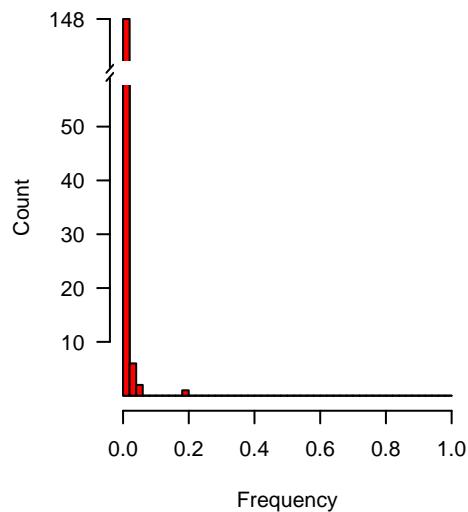
**RT site 669
AA 223**



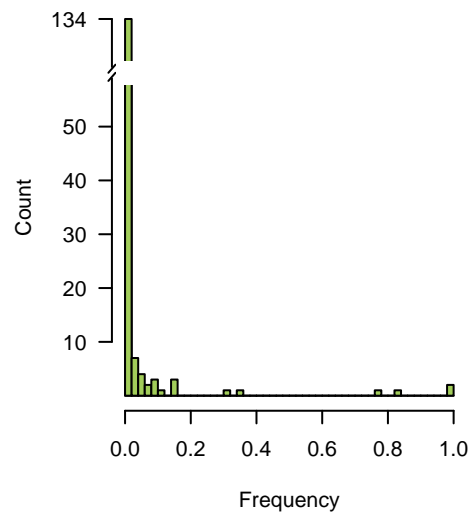
**RT site 670
AA 224**



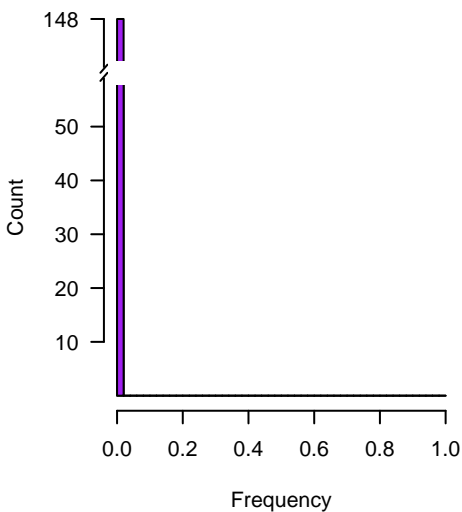
**RT site 671
AA 224**



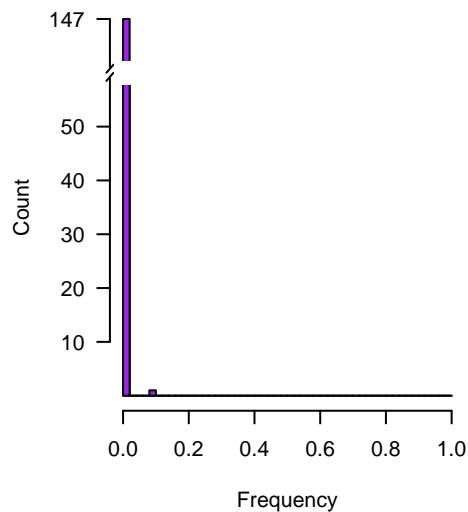
**RT site 672
AA 224**



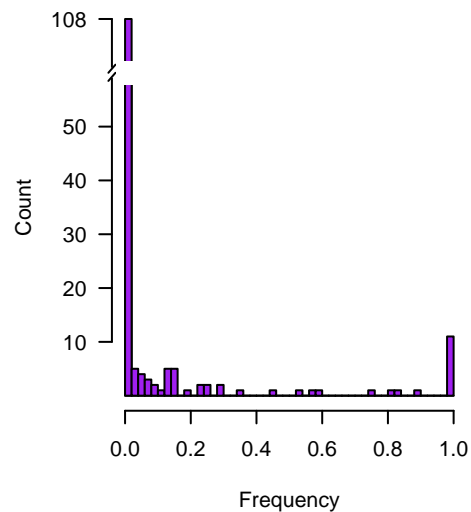
**RT site 673
AA 225
resistance codon, excluded**



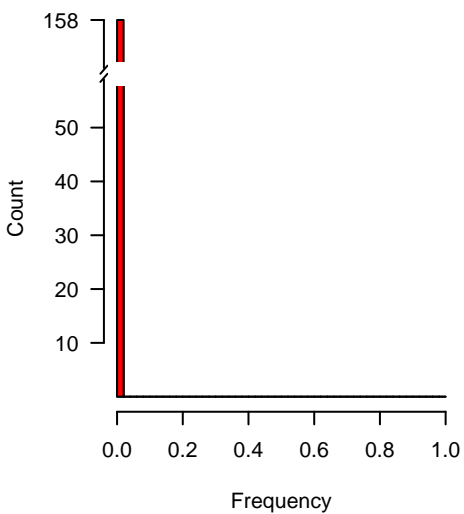
**RT site 674
AA 225
resistance codon, excluded**



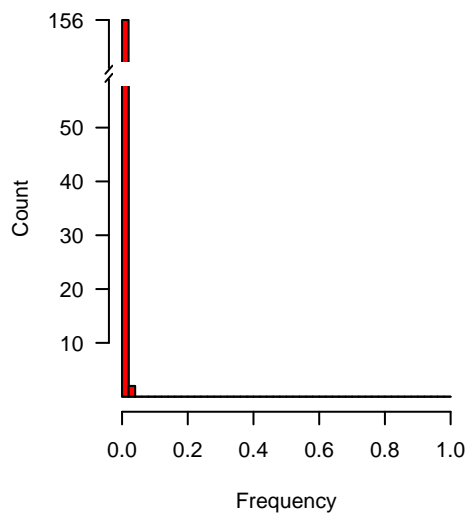
**RT site 675
AA 225 (site excluded)
resistance codon, excluded**



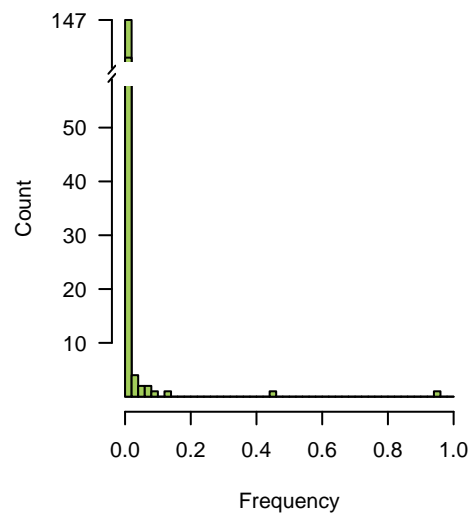
**RT site 676
AA 226**



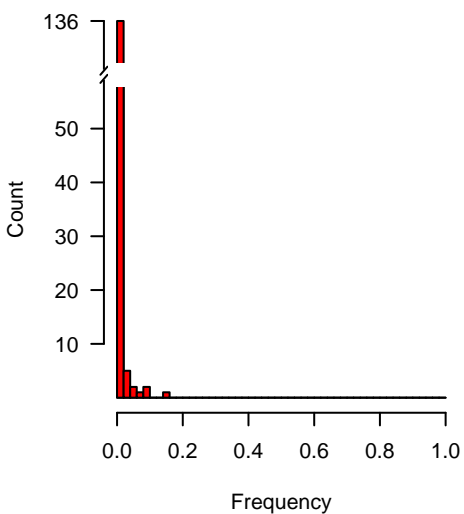
**RT site 677
AA 226**



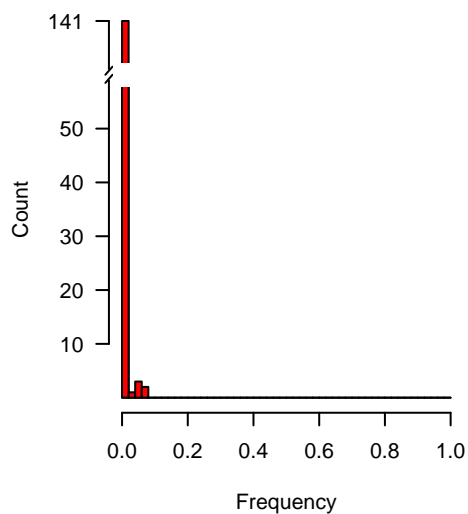
**RT site 678
AA 226**



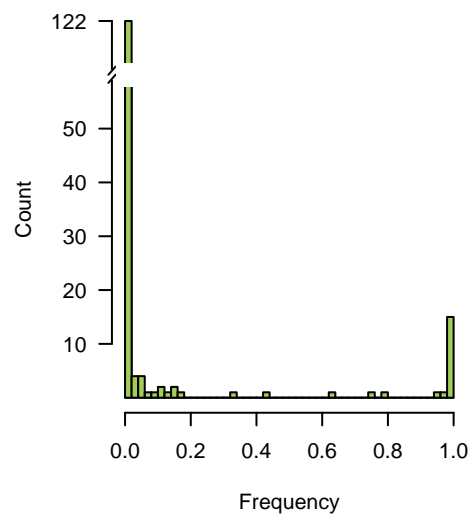
**RT site 679
AA 227**



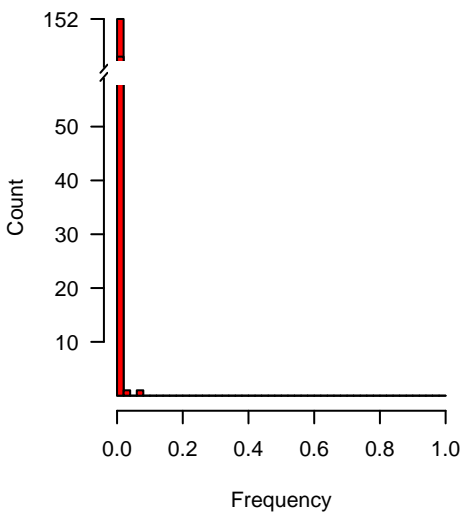
**RT site 680
AA 227**



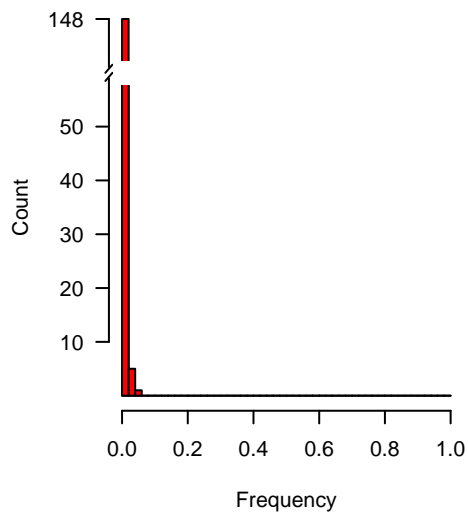
**RT site 681
AA 227 (site excluded)**



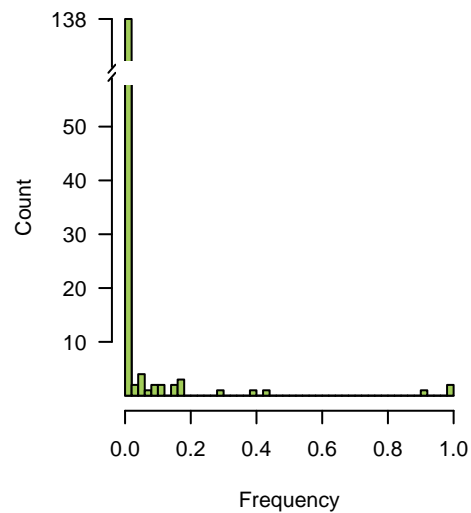
**RT site 682
AA 228**



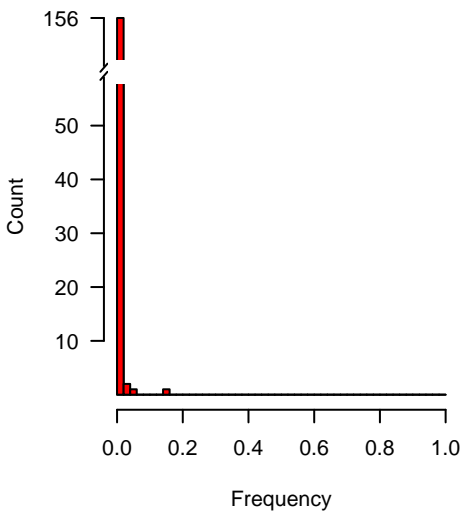
**RT site 683
AA 228**



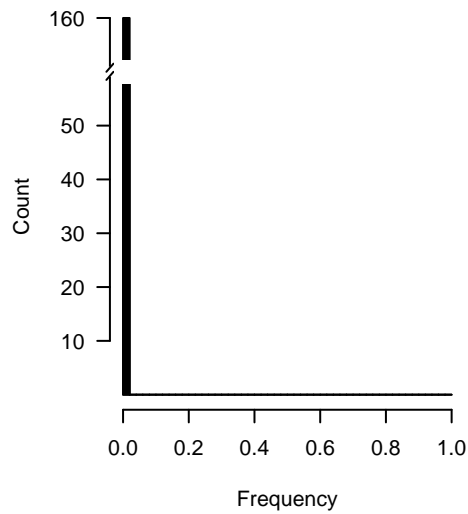
**RT site 684
AA 228**



RT site 685
AA 229



RT site 686
AA 229



RT site 687
AA 229

