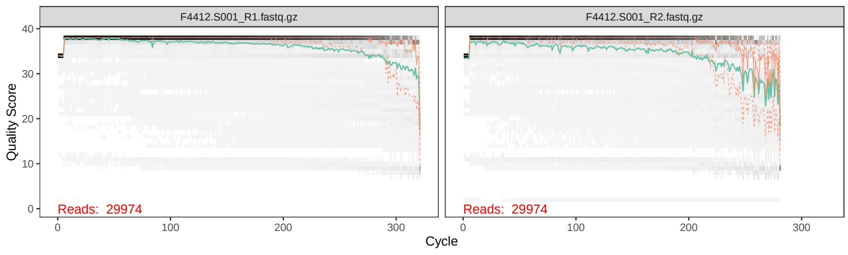
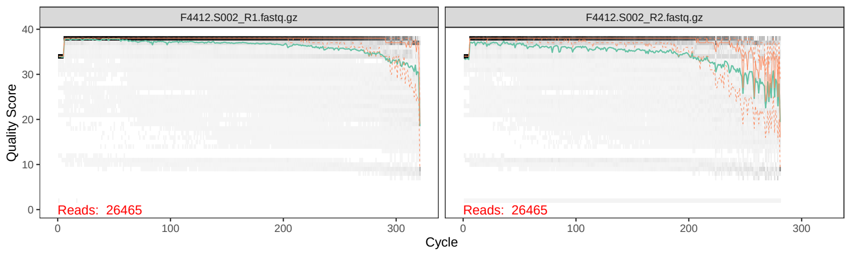
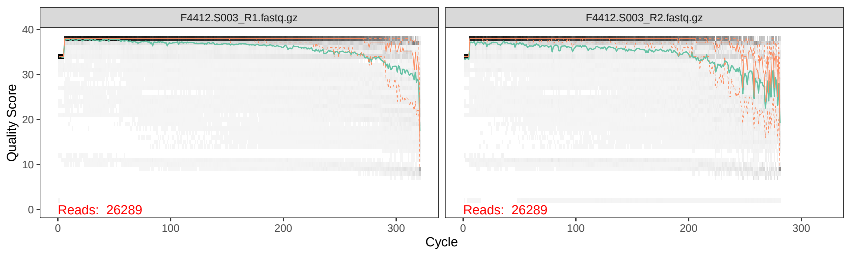
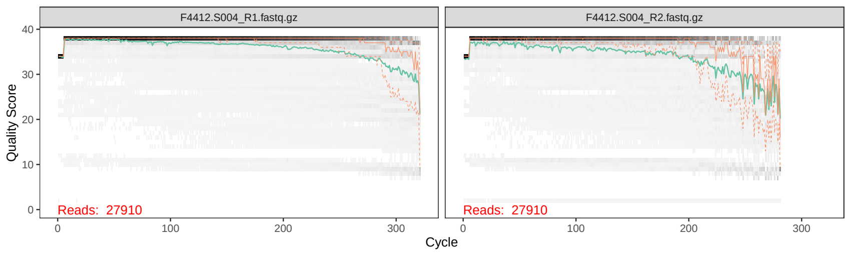
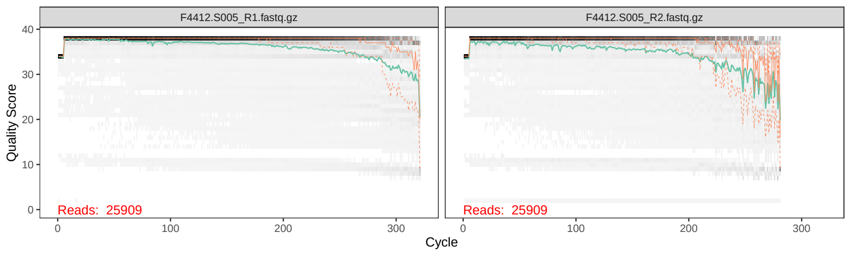
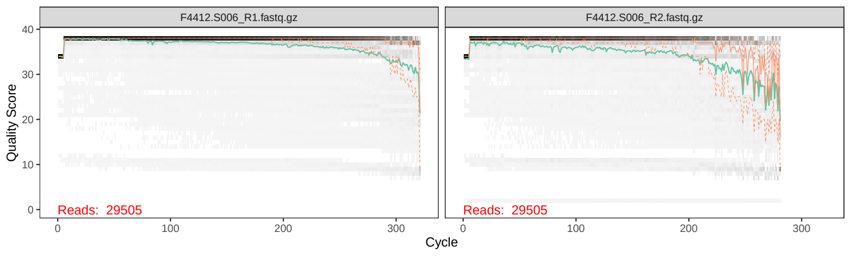

F4412.S001_R1.fastq.gz
F4412.S001_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29974
Reads: 29974
0
100
200
300
Cycle

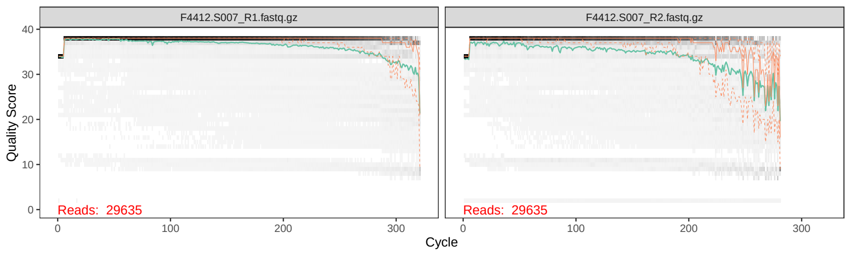

F4412.S002_R1.fastq.gz
F4412.S002_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 26465
Reads: 26465
0
100
200
300
Cycle

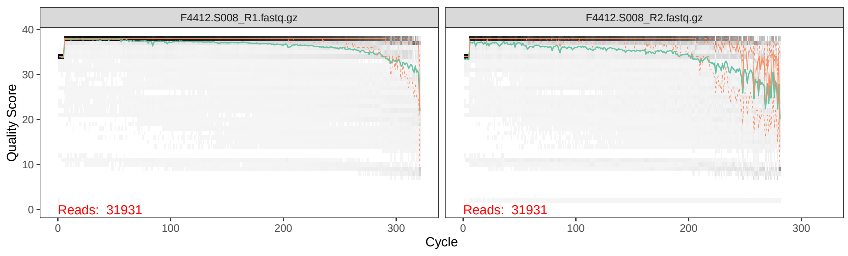

F4412.S003_R1.fastq.gz
F4412.S003_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 26289
Reads: 26289
0
100
200
300
Cycle

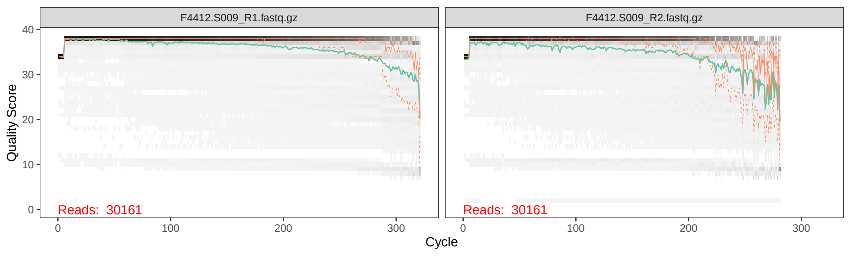

F4412.S004_R1.fastq.gz
F4412.S004_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 27910
Reads: 27910
0
100
200
300
Cycle

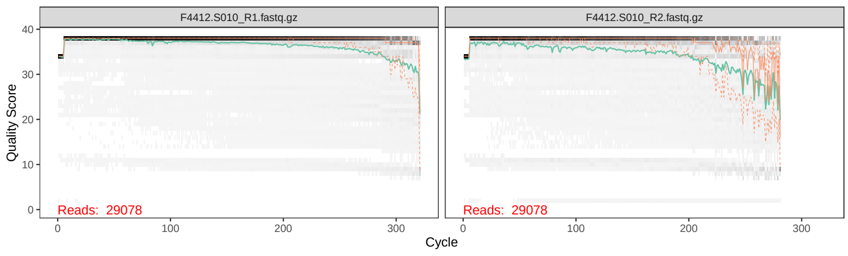

F4412.S005_R1.fastq.gz
F4412.S005_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 25909
Reads: 25909
0
100
200
300
Cycle

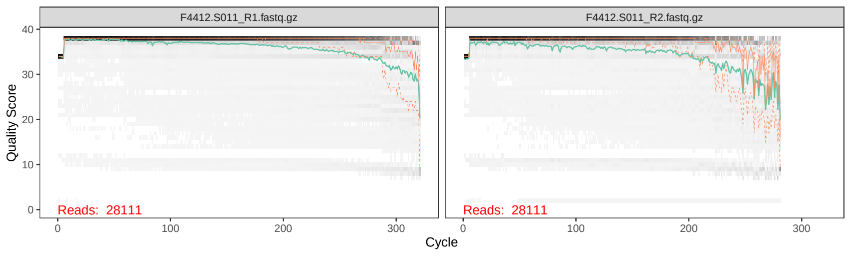

F4412.S006_R1.fastq.gz
F4412.S006_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29505
Reads: 29505
0
100
200
300
Cycle

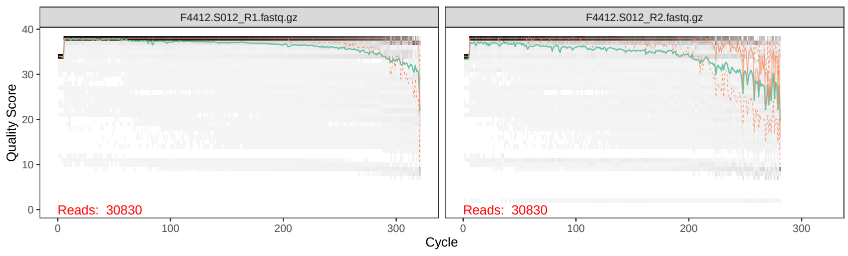

F4412.S007_R1.fastq.gz
F4412.S007_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29635
Reads: 29635
0
100
200
300
Cycle

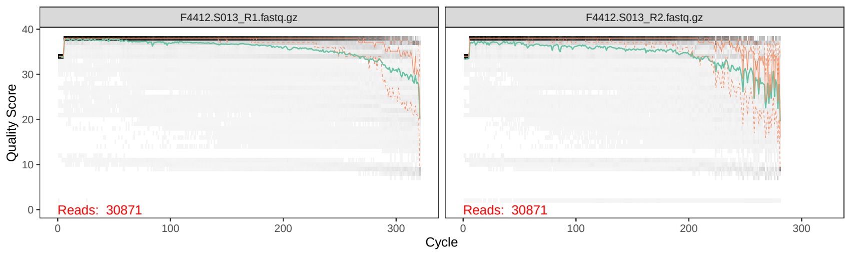

F4412.S008_R1.fastq.gz
F4412.S008_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 31931
Reads: 31931
0
100
200
300
Cycle

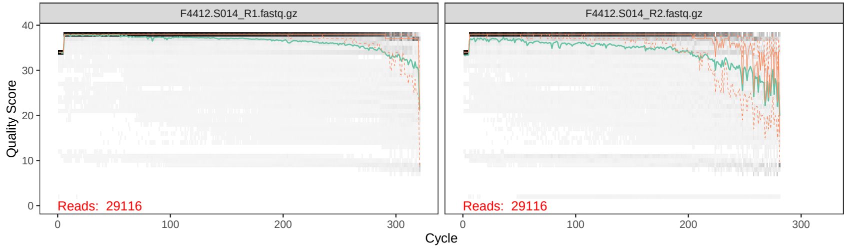

F4412.S009_R1.fastq.gz
F4412.S009_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 30161
Reads: 30161
0
100
200
300
Cycle

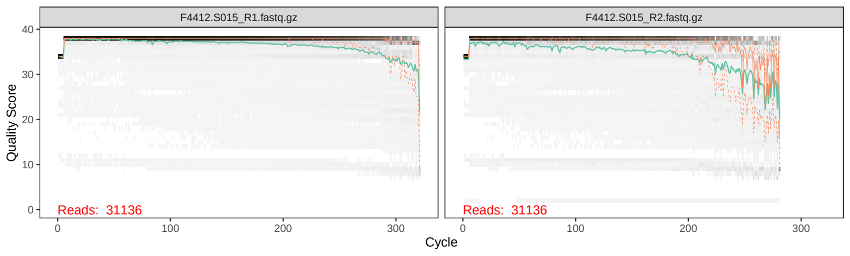

F4412.S010_R1.fastq.gz
F4412.S010_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29078
Reads: 29078
0
100
200
300
Cycle

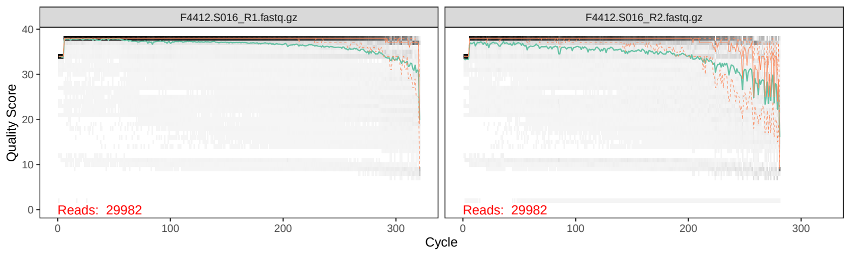

F4412.S011_R1.fastq.gz
F4412.S011_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 28111
Reads: 28111
0
100
200
300
Cycle

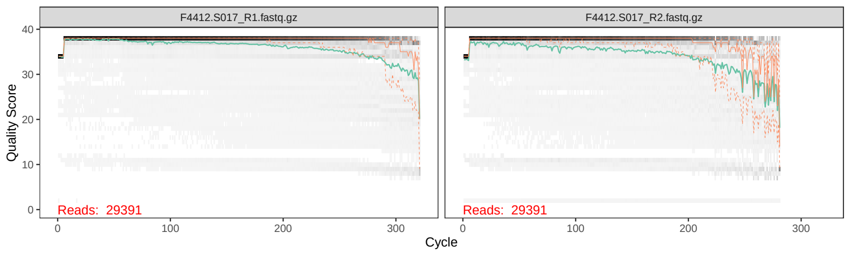

F4412.S012_R1.fastq.gz
F4412.S012_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 30830
Reads: 30830
0
100
200
300
Cycle

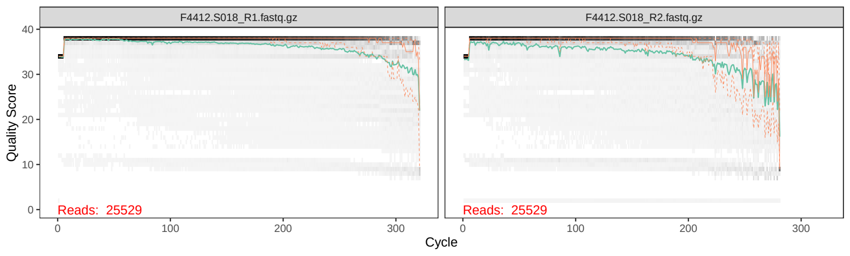

F4412.S013_R1.fastq.gz
F4412.S013_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 30871
Reads: 30871
0
100
200
300
Cycle

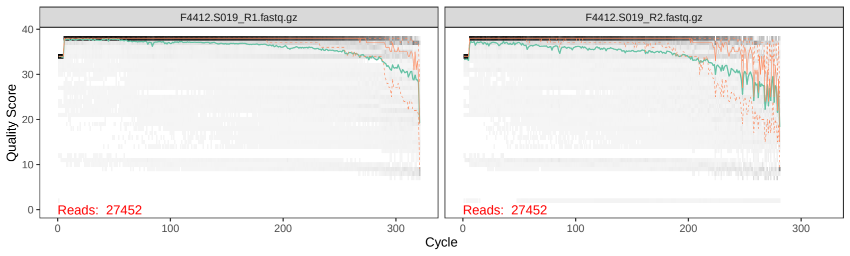

F4412.S014_R1.fastq.gz
F4412.S014_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29116
Reads: 29116
0
100
200
300
Cycle

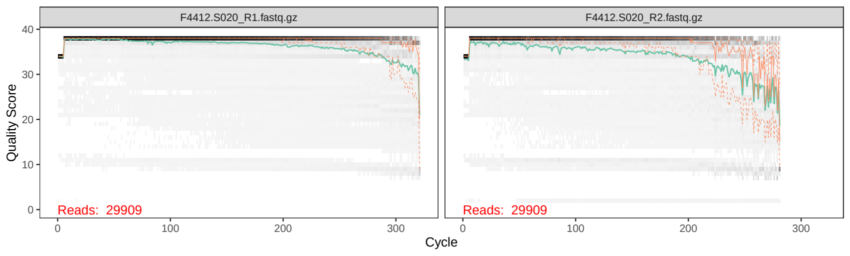

F4412.S015_R1.fastq.gz
F4412.S015_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 31136
Reads: 31136
0
100
200
300
Cycle

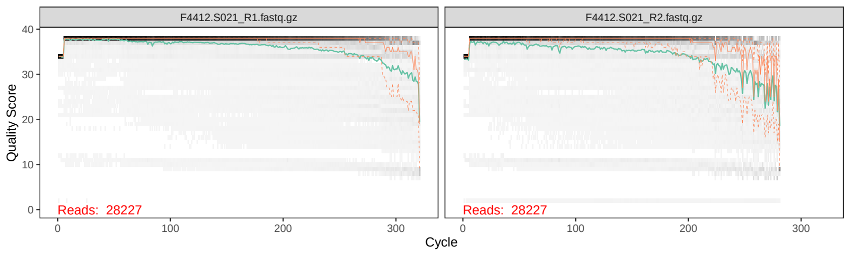

F4412.S016_R1.fastq.gz
F4412.S016_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29982
Reads: 29982
0
100
200
300
Cycle

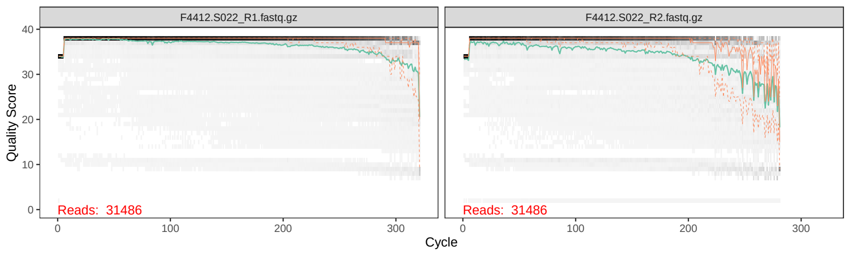

F4412.S017_R1.fastq.gz
F4412.S017_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29391
Reads: 29391
0
100
200
300
Cycle

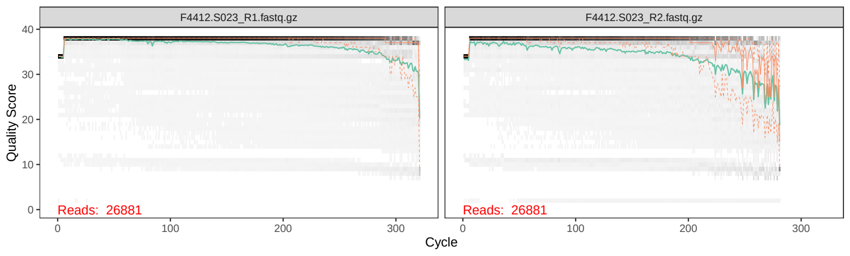

F4412.S018_R1.fastq.gz
F4412.S018_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 25529
Reads: 25529
0
100
200
300
Cycle

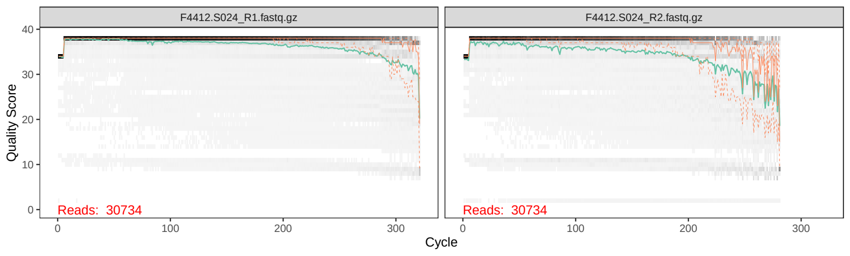

F4412.S019_R1.fastq.gz
F4412.S019_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 27452
Reads: 27452
0
100
200
300
Cycle

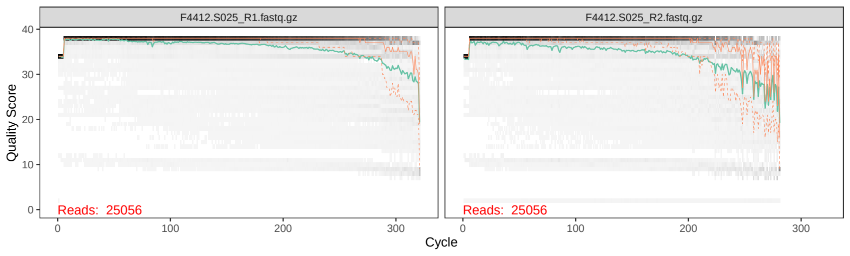

F4412.S020_R1.fastq.gz
F4412.S020_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29909
Reads: 29909
0
100
200
300
Cycle

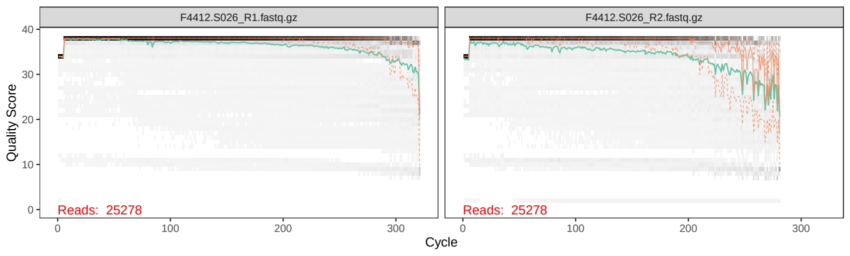

F4412.S021_R1.fastq.gz
F4412.S021_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 28227
Reads: 28227
0
100
200
300
Cycle

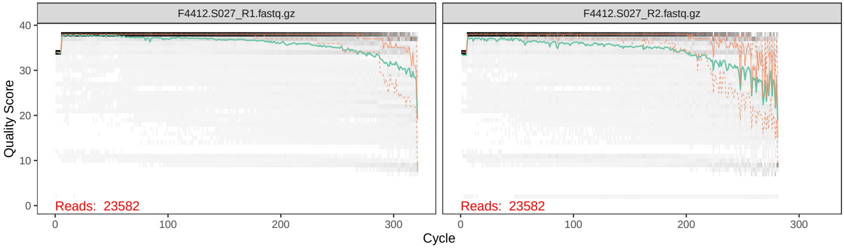

F4412.S022_R1.fastq.gz
F4412.S022_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 31486
Reads: 31486
0
100
200
300
Cycle

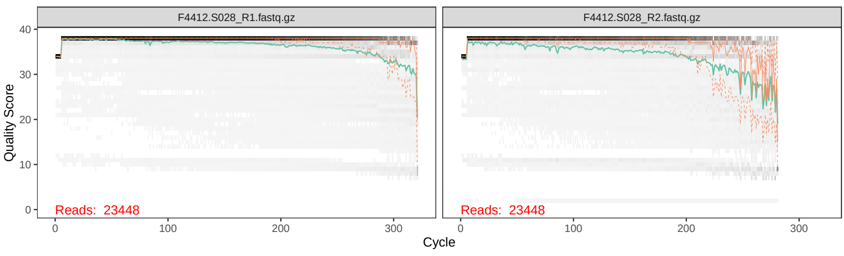

F4412.S023_R1.fastq.gz
F4412.S023_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 26881
Reads: 26881
0
100
200
300
Cycle

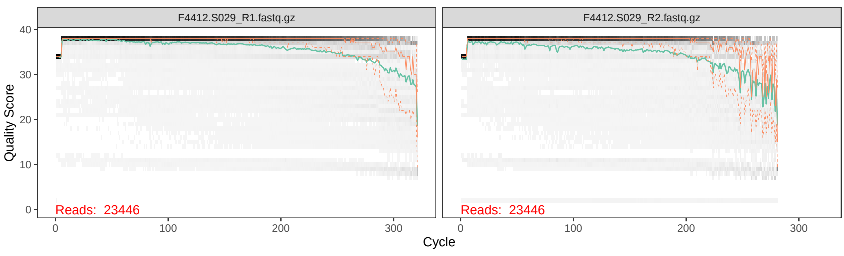

F4412.S024_R1.fastq.gz
F4412.S024_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 30734
Reads: 30734
0
100
200
300
Cycle

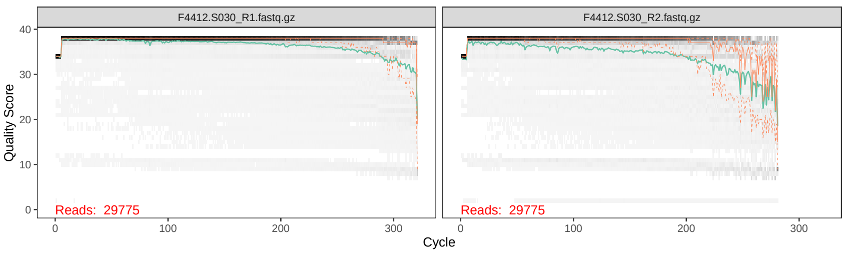

F4412.S025_R1.fastq.gz
F4412.S025_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 25056
Reads: 25056
0
100
200
300
Cycle

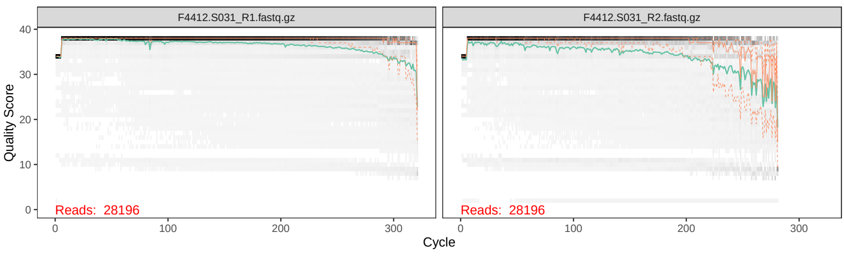

F4412.S026_R1.fastq.gz
F4412.S026_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 25278
Reads: 25278
0
100
200
300
Cycle

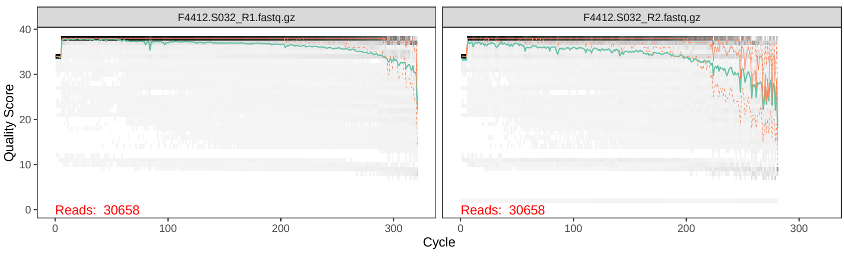

F4412.S027_R1.fastq.gz
F4412.S027_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 23582
Reads: 23582
0
100
200
300
Cycle

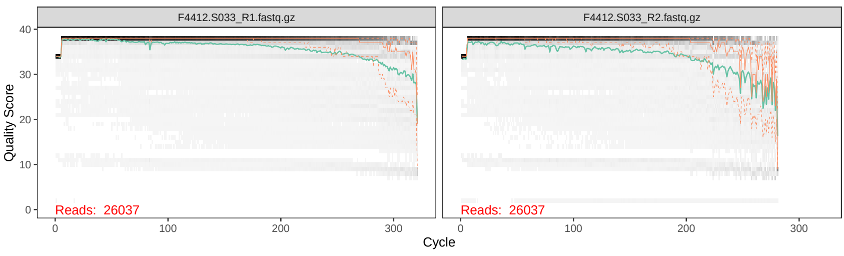

F4412.S028_R1.fastq.gz
F4412.S028_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 23448
Reads: 23448
0
100
200
300
Cycle

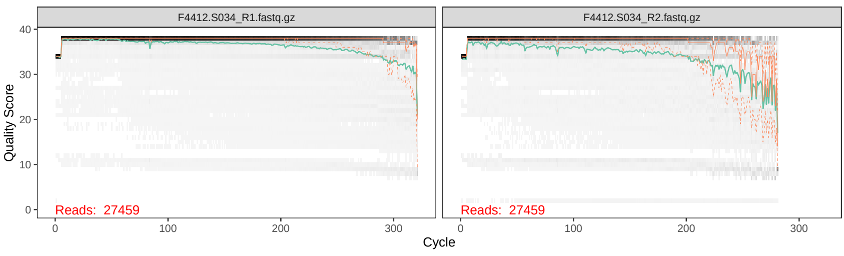

F4412.S029_R1.fastq.gz
F4412.S029_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 23446
Reads: 23446
0
100
200
300
Cycle

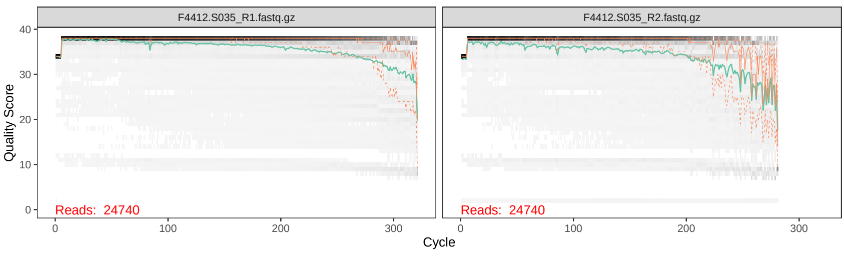

F4412.S030_R1.fastq.gz
F4412.S030_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29775
Reads: 29775
0
100
200
300
Cycle

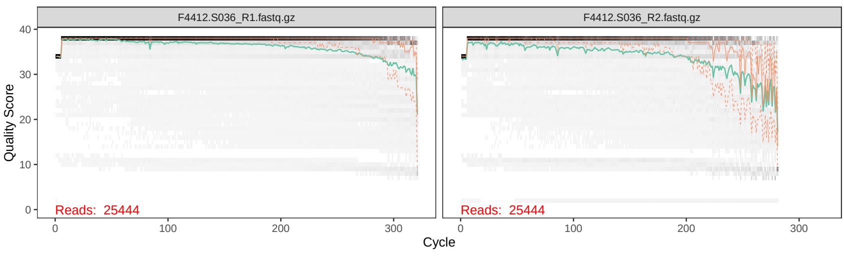

F4412.S031_R1.fastq.gz
F4412.S031_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 28196
Reads: 28196
0
100
200
300
Cycle

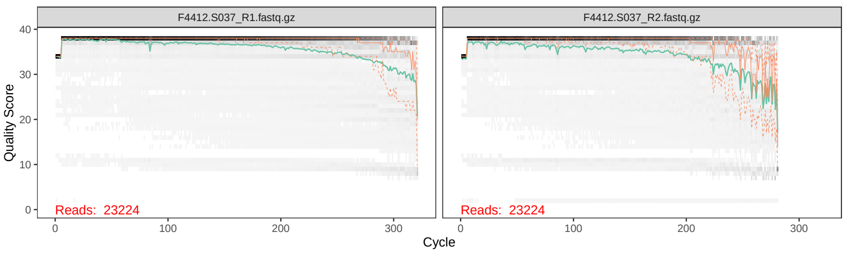

F4412.S032_R1.fastq.gz
F4412.S032_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 30658
Reads: 30658
0
100
200
300
Cycle

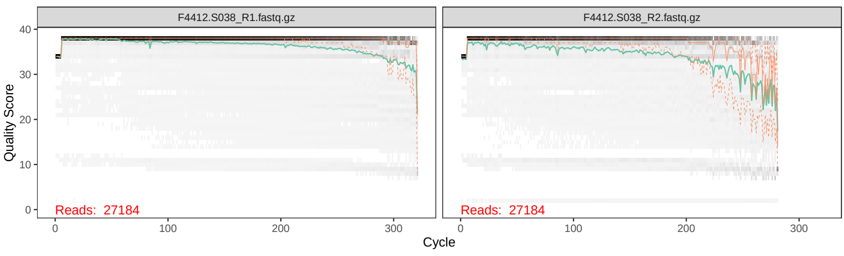

F4412.S033_R1.fastq.gz
F4412.S033_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 26037
Reads: 26037
0
100
200
300
Cycle

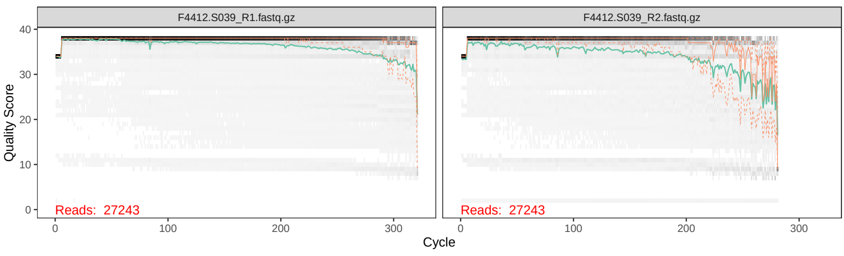

F4412.S034_R1.fastq.gz
F4412.S034_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 27459
Reads: 27459
0
100
200
300
Cycle

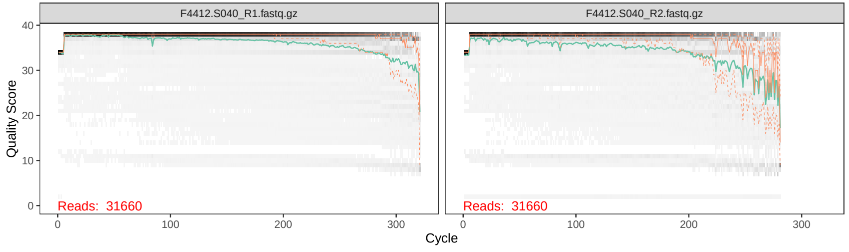

F4412.S035_R1.fastq.gz
F4412.S035_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 24740
Reads: 24740
0
100
200
300
Cycle

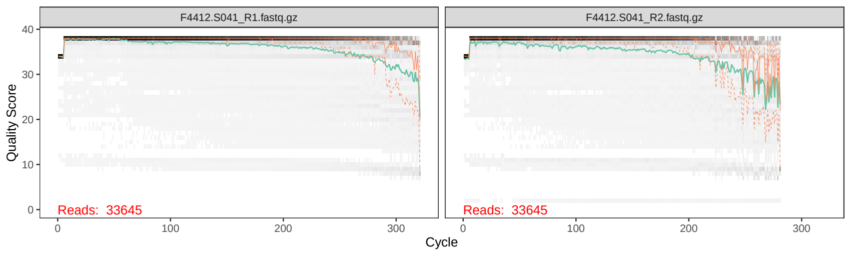

F4412.S036_R1.fastq.gz
F4412.S036_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 25444
Reads: 25444
0
100
200
300
Cycle

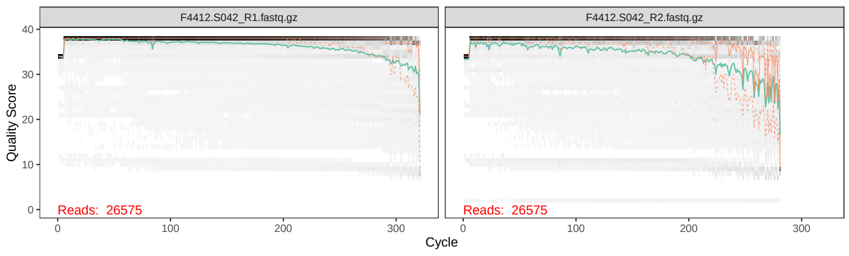

F4412.S037_R1.fastq.gz
F4412.S037_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 23224
Reads: 23224
0
100
200
300
Cycle

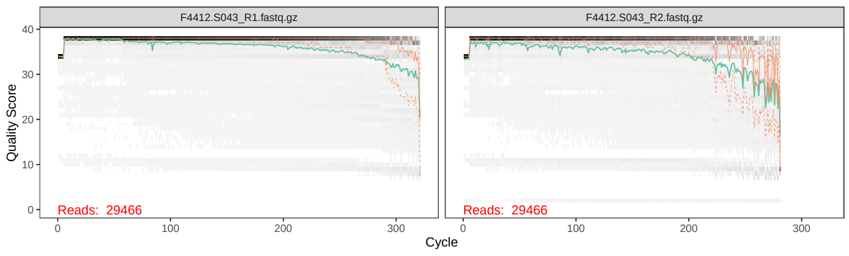

F4412.S038_R1.fastq.gz
F4412.S038_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 27184
Reads: 27184
0
100
200
300
Cycle

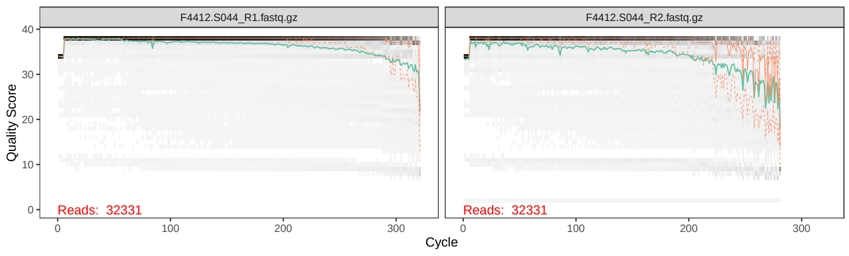

F4412.S039_R1.fastq.gz
F4412.S039_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 27243
Reads: 27243
0
100
200
300
Cycle

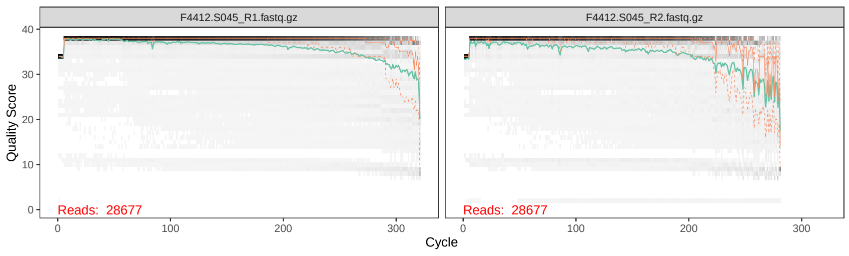

F4412.S040_R1.fastq.gz
F4412.S040_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 31660
Reads: 31660
0
100
200
300
Cycle

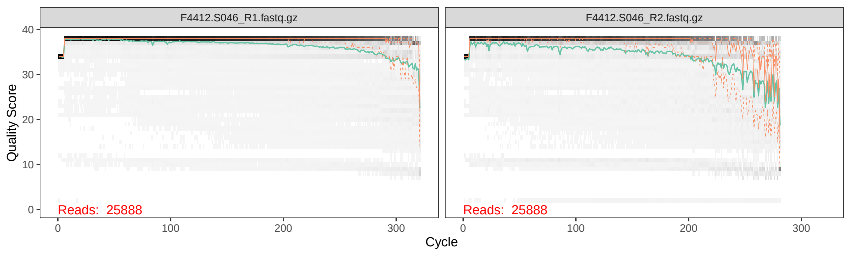

F4412.S041_R1.fastq.gz
F4412.S041_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 33645
Reads: 33645
0
100
200
300
Cycle

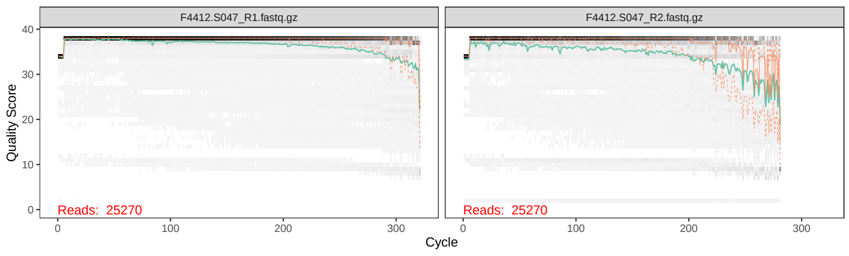

F4412.S042_R1.fastq.gz
F4412.S042_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 26575
Reads: 26575
0
100
200
300
Cycle

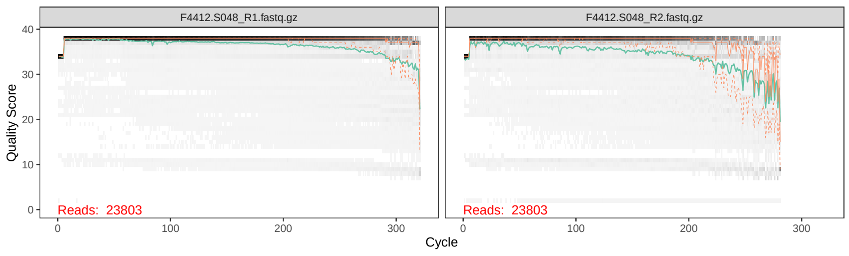

F4412.S043_R1.fastq.gz
F4412.S043_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29466
Reads: 29466
0
100
200
300
Cycle

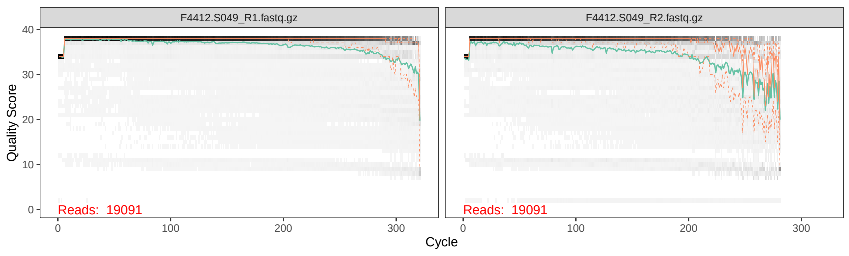

F4412.S044_R1.fastq.gz
F4412.S044_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 32331
Reads: 32331
0
100
200
300
Cycle

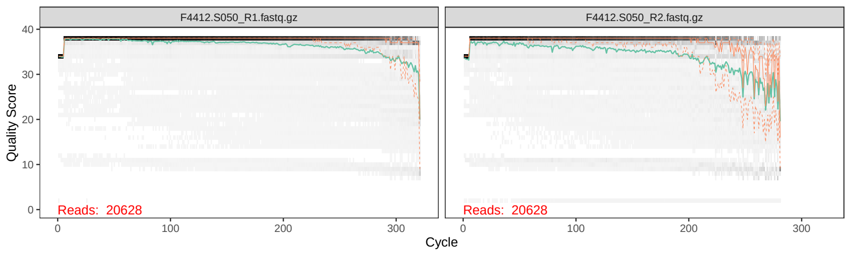

F4412.S045_R1.fastq.gz
F4412.S045_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 28677
Reads: 28677
0
100
200
300
Cycle

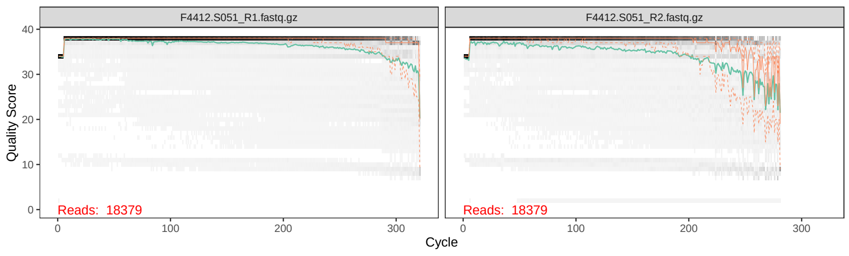

F4412.S046_R1.fastq.gz
F4412.S046_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 25888
Reads: 25888
0
100
200
300
Cycle

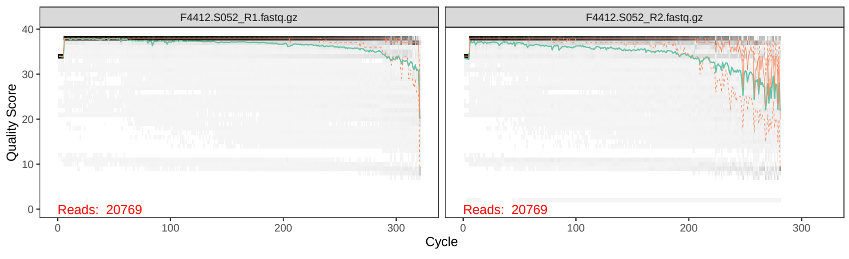

F4412.S047_R1.fastq.gz
F4412.S047_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 25270
Reads: 25270
0
100
200
300
Cycle

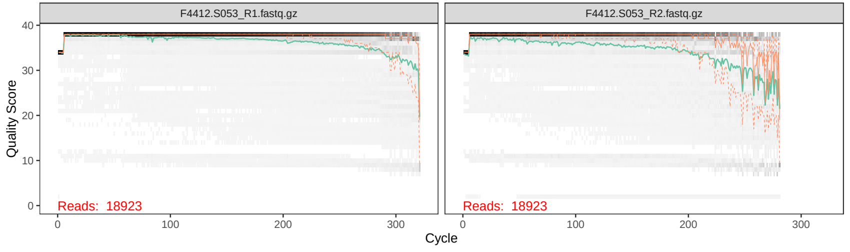

F4412.S048_R1.fastq.gz
F4412.S048_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 23803
Reads: 23803
0
100
200
300
Cycle

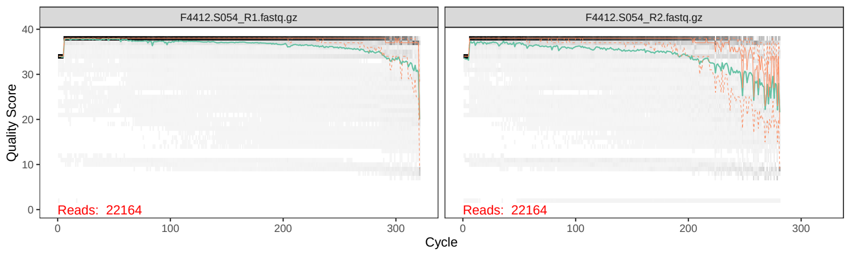

F4412.S049_R1.fastq.gz
F4412.S049_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 19091
Reads: 19091
0
100
200
300
Cycle

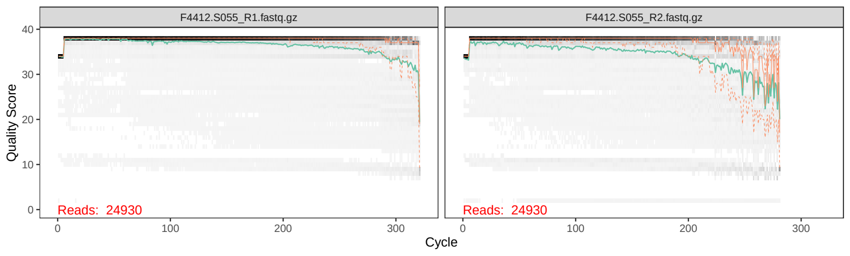

F4412.S050_R1.fastq.gz
F4412.S050_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 20628
Reads: 20628
0
100
200
300
Cycle

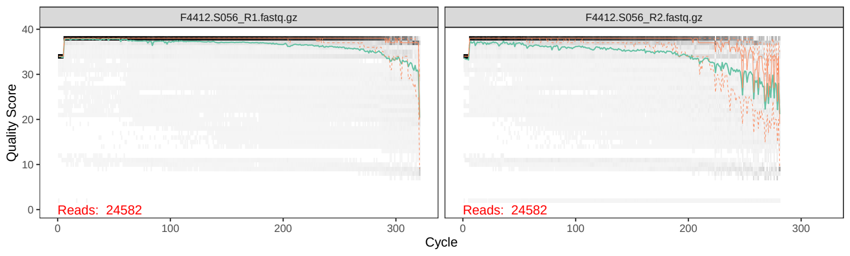

F4412.S051_R1.fastq.gz
F4412.S051_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 18379
Reads: 18379
0
100
200
300
Cycle

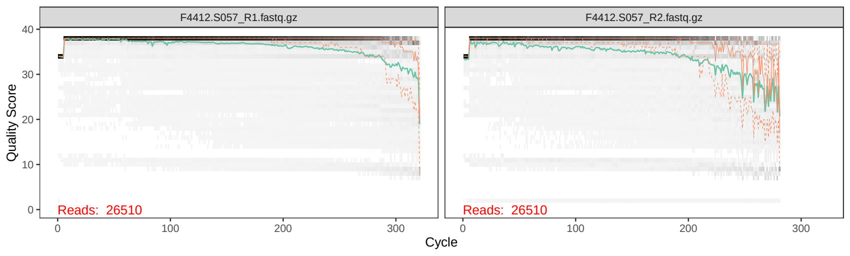

F4412.S052_R1.fastq.gz
F4412.S052_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 20769
Reads: 20769
0
100
200
300
Cycle

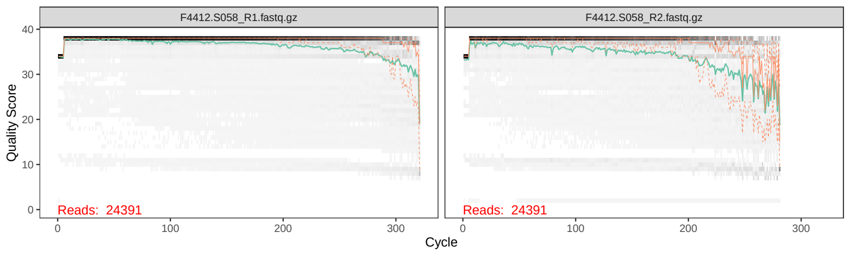

F4412.S053_R1.fastq.gz
F4412.S053_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 18923
Reads: 18923
0
100
200
300
Cycle

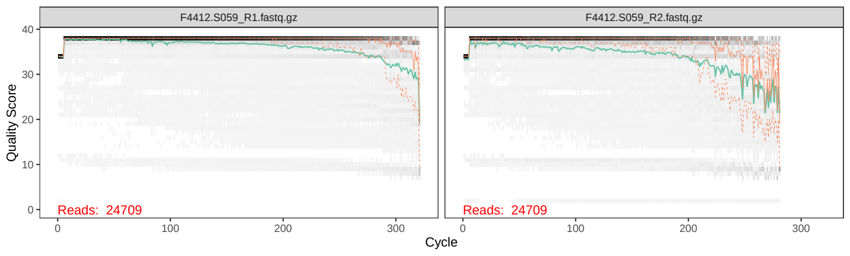

F4412.S054_R1.fastq.gz
F4412.S054_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 22164
Reads: 22164
0
100
200
300
Cycle

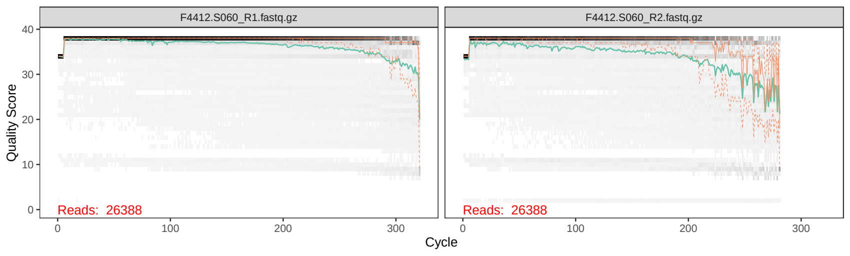

F4412.S055_R1.fastq.gz
F4412.S055_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 24930
Reads: 24930
0
100
200
300
Cycle

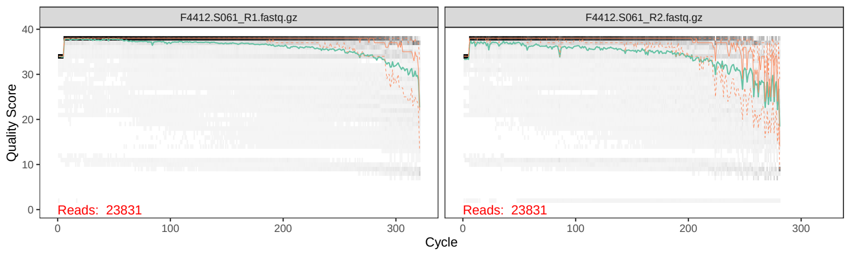

F4412.S056_R1.fastq.gz
F4412.S056_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 24582
Reads: 24582
0
100
200
300
Cycle

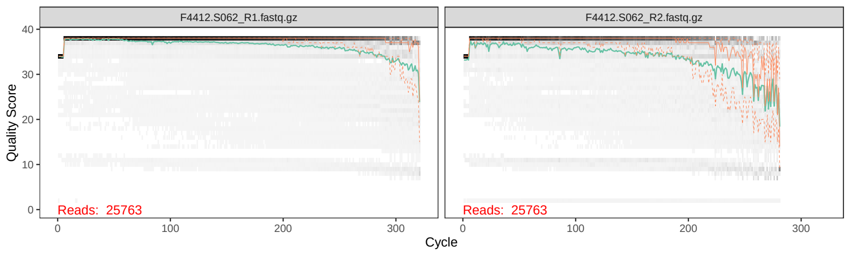

F4412.S057_R1.fastq.gz
F4412.S057_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 26510
Reads: 26510
0
100
200
300
Cycle

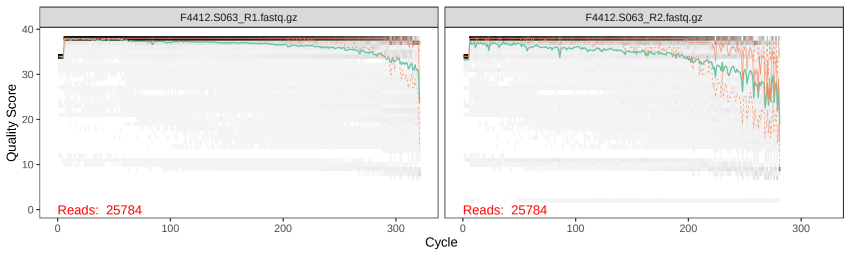

F4412.S058_R1.fastq.gz
F4412.S058_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 24391
Reads: 24391
0
100
200
300
Cycle

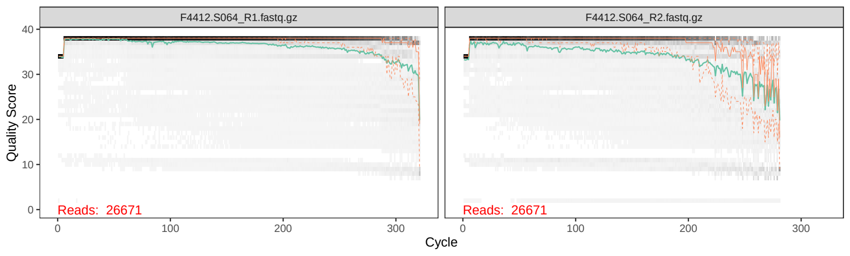

F4412.S059_R1.fastq.gz
F4412.S059_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 24709
Reads: 24709
0
100
200
300
Cycle

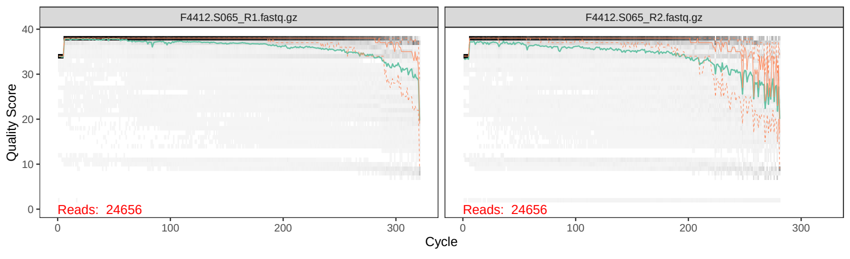

F4412.S060_R1.fastq.gz
F4412.S060_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 26388
Reads: 26388
0
100
200
300
Cycle

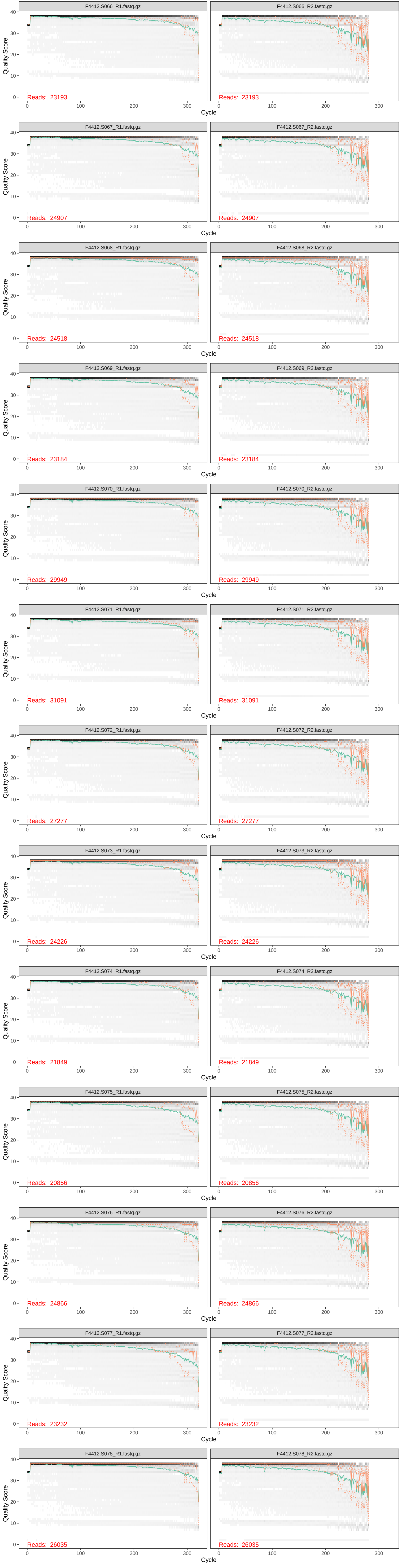

F4412.S061_R1.fastq.gz
F4412.S061_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 23831
Reads: 23831
0
100
200
300
Cycle

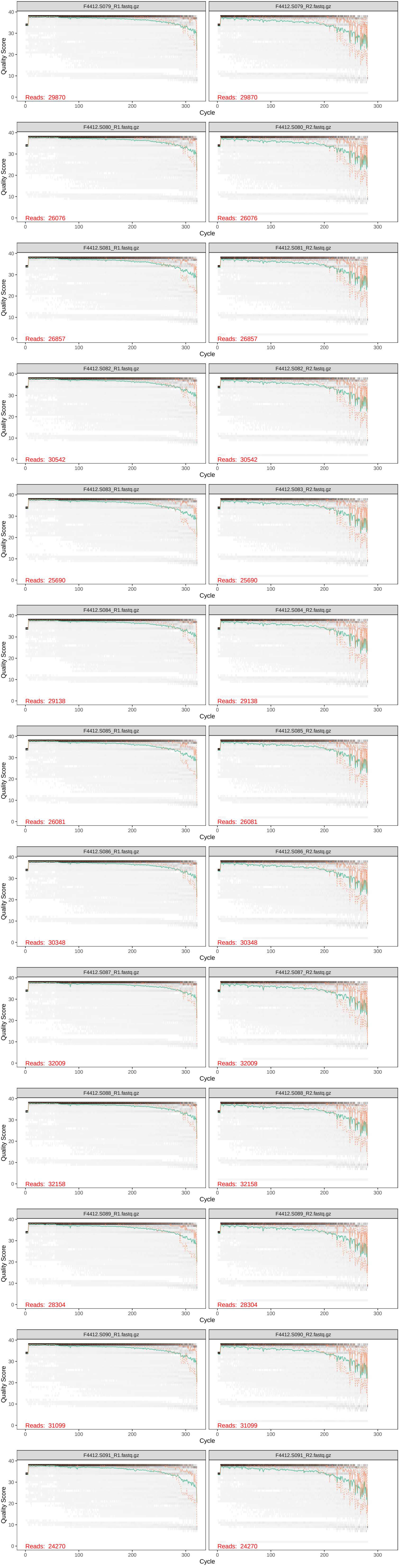

F4412.S062_R1.fastq.gz
F4412.S062_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 25763
Reads: 25763
0
100
200
300
Cycle

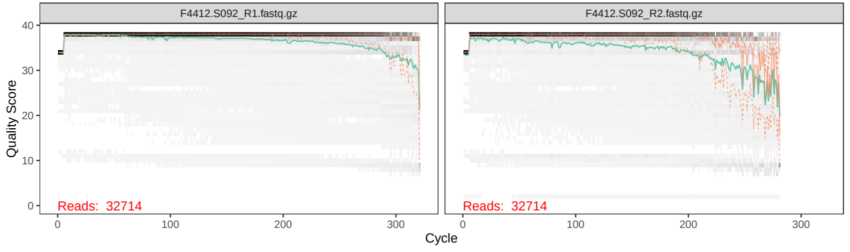

F4412.S063_R1.fastq.gz
F4412.S063_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 25784
Reads: 25784
0
100
200
300
Cycle

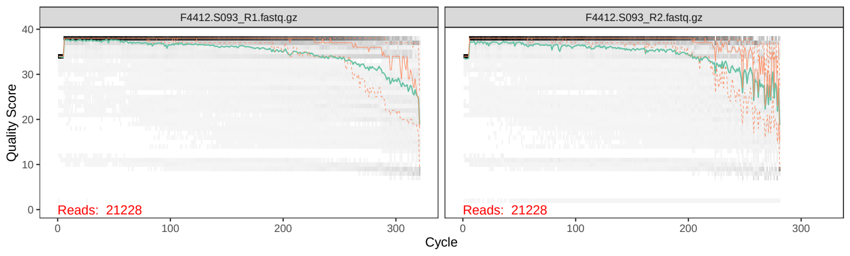

F4412.S064_R1.fastq.gz
F4412.S064_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 26671
Reads: 26671
0
100
200
300
Cycle

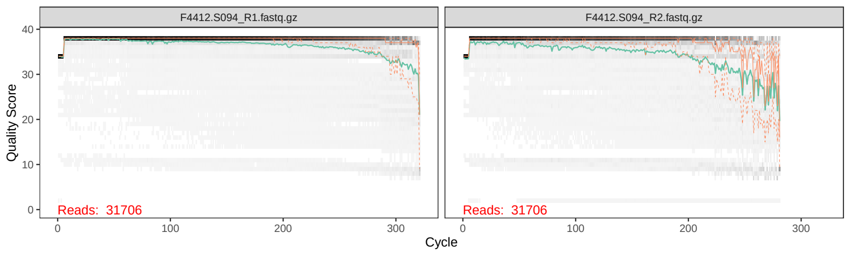

F4412.S065_R1.fastq.gz
F4412.S065_R2.fastq.gz
Quality Score
40
30
20
10
0
Reads: 24656
Reads: 24656
0
100
200
300
Cycle

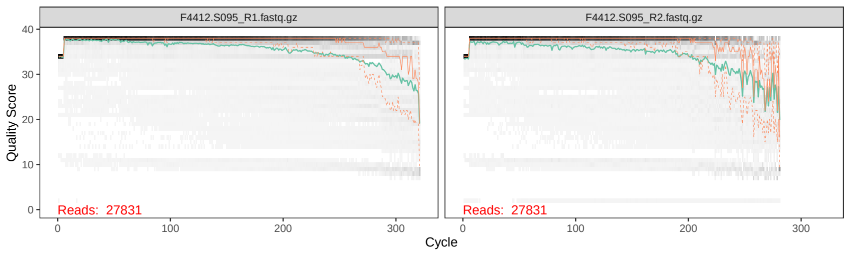

F4412.S066_R1.fastq.gz
F4412.S066_R2.fastq.gz
Reads: 23193
Reads: 23193
F4412.S067_R1.fastq.gz
F4412.S067_R2.fastq.gz
Reads: 24907
Reads: 24907
F4412.S068_R1.fastq.gz
F4412.S068_R2.fastq.gz
Reads: 24518
Reads: 24518
F4412.S069_R1.fastq.gz
F4412.S069_R2.fastq.gz
Reads: 23184
Reads: 23184
F4412.S070_R1.fastq.gz
F4412.S070_R2.fastq.gz
Reads: 29949
Reads: 29949
F4412.S071_R1.fastq.gz
F4412.S071_R2.fastq.gz
Reads: 31091
Reads: 31091
F4412.S072_R1.fastq.gz
F4412.S072_R2.fastq.gz
Reads: 27277
Reads: 27277
F4412.S073_R1.fastq.gz
F4412.S073_R2.fastq.gz
Reads: 24226
Reads: 24226
F4412.S074_R1.fastq.gz
F4412.S074_R2.fastq.gz
Reads: 21849
Reads: 21849
F4412.S075_R1.fastq.gz
F4412.S075_R2.fastq.gz
Reads: 20856
Reads: 20856
F4412.S076_R1.fastq.gz
F4412.S076_R2.fastq.gz
Reads: 24866
Reads: 24866
F4412.S077_R1.fastq.gz
F4412.S077_R2.fastq.gz
Reads: 23232
Reads: 23232
F4412.S078_R1.fastq.gz
F4412.S078_R2.fastq.gz
Reads: 26035
Reads: 26035
Quality Score
0
10
20
30
40
Cycle
0
100
200
300

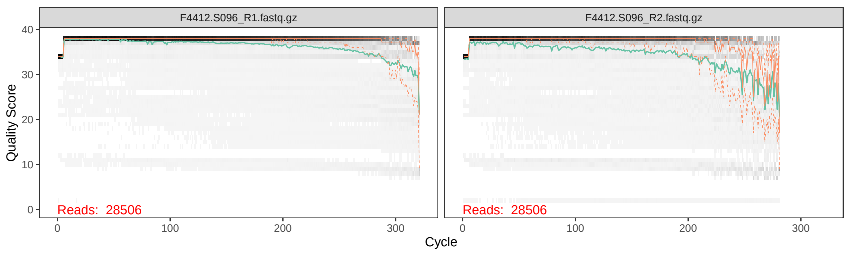

F4412.S079_R1.fastq.gz
F4412.S079_R2.fastq.gz
Reads: 29870
Reads: 29870
F4412.S080_R1.fastq.gz
F4412.S080_R2.fastq.gz
Reads: 26076
Reads: 26076
F4412.S081_R1.fastq.gz
F4412.S081_R2.fastq.gz
Reads: 26857
Reads: 26857
F4412.S082_R1.fastq.gz
F4412.S082_R2.fastq.gz
Reads: 30542
Reads: 30542
F4412.S083_R1.fastq.gz
F4412.S083_R2.fastq.gz
Reads: 25690
Reads: 25690
F4412.S084_R1.fastq.gz
F4412.S084_R2.fastq.gz
Reads: 29138
Reads: 29138
F4412.S085_R1.fastq.gz
F4412.S085_R2.fastq.gz
Reads: 26081
Reads: 26081
F4412.S086_R1.fastq.gz
F4412.S086_R2.fastq.gz
Reads: 30348
Reads: 30348
F4412.S087_R1.fastq.gz
F4412.S087_R2.fastq.gz
Reads: 32009
Reads: 32009
F4412.S088_R1.fastq.gz
F4412.S088_R2.fastq.gz
Reads: 32158
Reads: 32158
F4412.S089_R1.fastq.gz
F4412.S089_R2.fastq.gz
Reads: 28304
Reads: 28304
F4412.S090_R1.fastq.gz
F4412.S090_R2.fastq.gz
Reads: 31099
Reads: 31099
F4412.S091_R1.fastq.gz
F4412.S091_R2.fastq.gz
Reads: 24270
Reads: 24270
Quality Score
0
10
20
30
40
Cycle
0
100
200
300

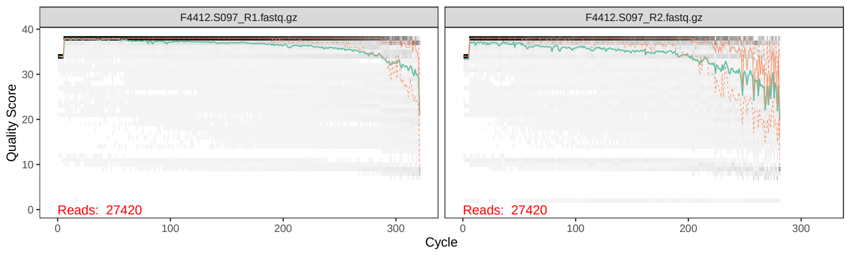

F4412.S092_R1.fastq.gz
F4412.S092_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 32714
Reads: 32714
0
100
200
300
Cycle

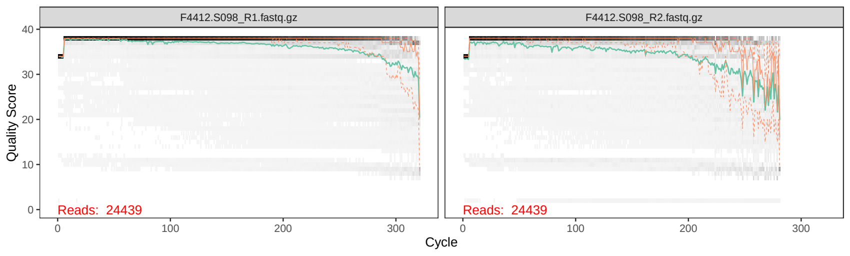

F4412.S093_R1.fastq.gz
F4412.S093_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 21228
Reads: 21228
0
100
200
300
Cycle

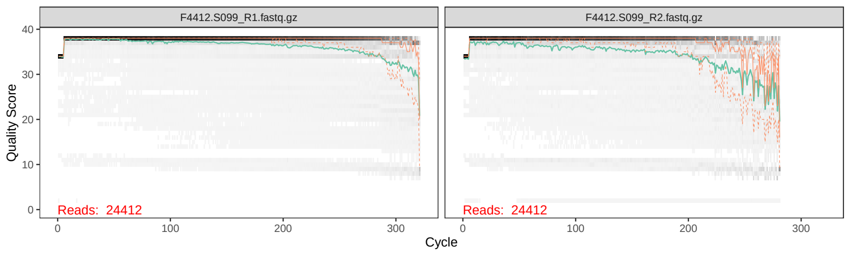

F4412.S094_R1.fastq.gz
F4412.S094_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 31706
Reads: 31706
0
100
200
300
Cycle

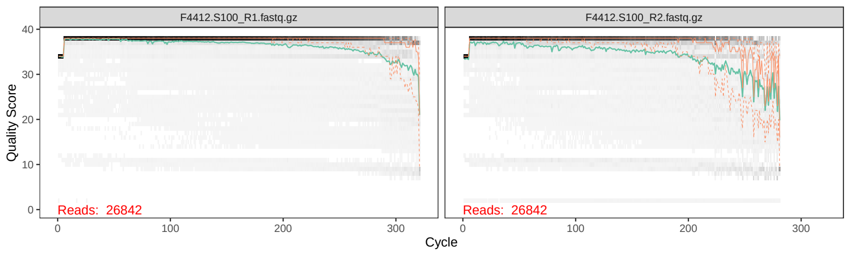

F4412.S095_R1.fastq.gz
F4412.S095_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 27831
Reads: 27831
0
100
200
300
Cycle

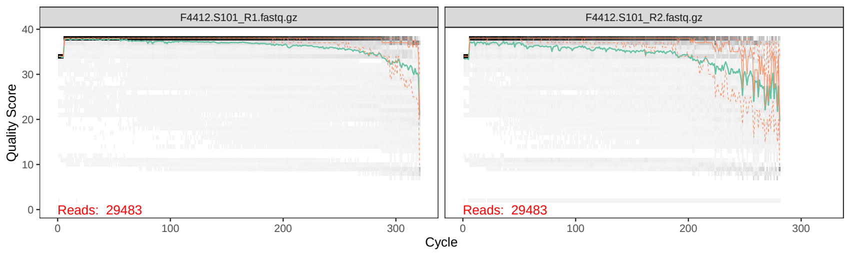

F4412.S096_R1.fastq.gz
F4412.S096_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 28506
Reads: 28506
0
100
200
300
Cycle

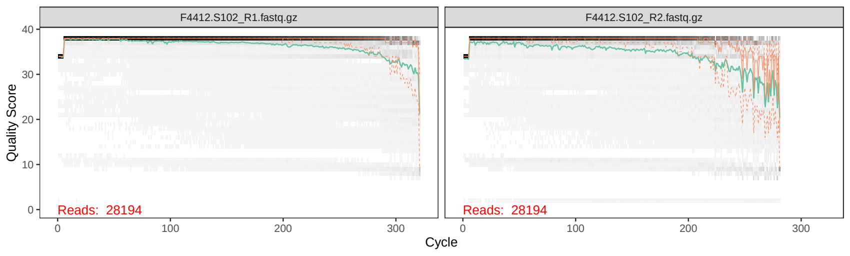

F4412.S097_R1.fastq.gz
F4412.S097_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 27420
Reads: 27420
0
100
200
300
Cycle

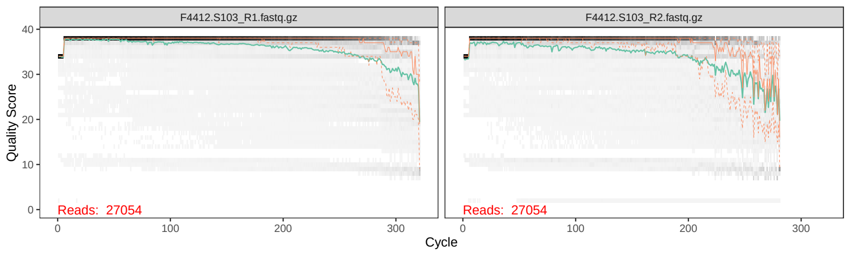

F4412.S098_R1.fastq.gz
F4412.S098_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 24439
Reads: 24439
0
100
200
300
Cycle

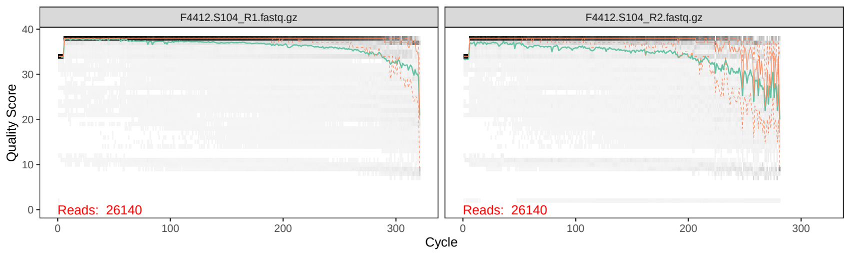

F4412.S099_R1.fastq.gz
F4412.S099_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 24412
Reads: 24412
0
100
200
300
Cycle

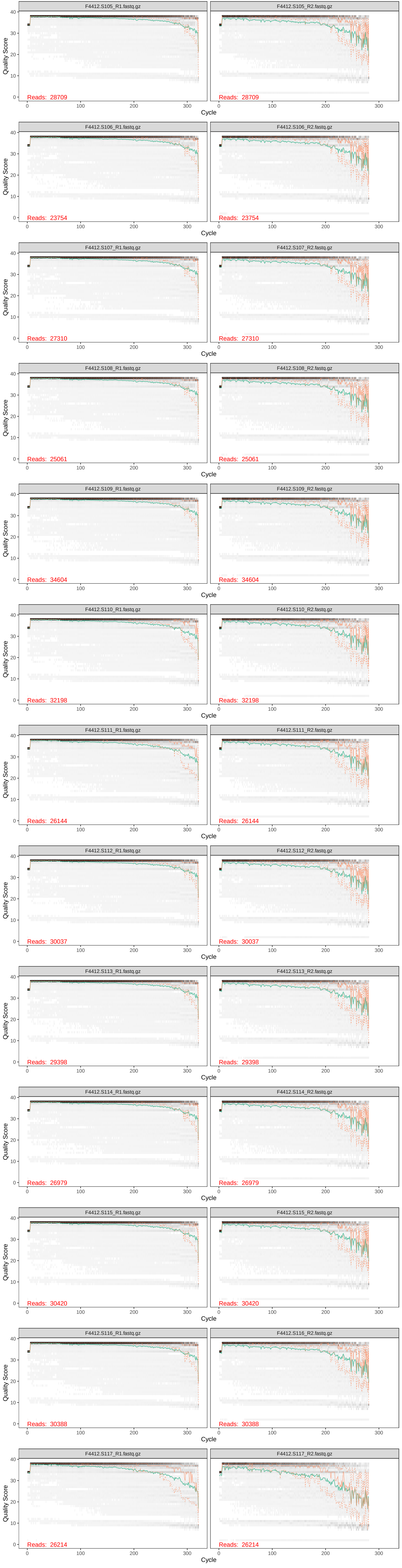

F4412.S100_R1.fastq.gz
F4412.S100_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 26842
Reads: 26842
0
100
200
300
Cycle

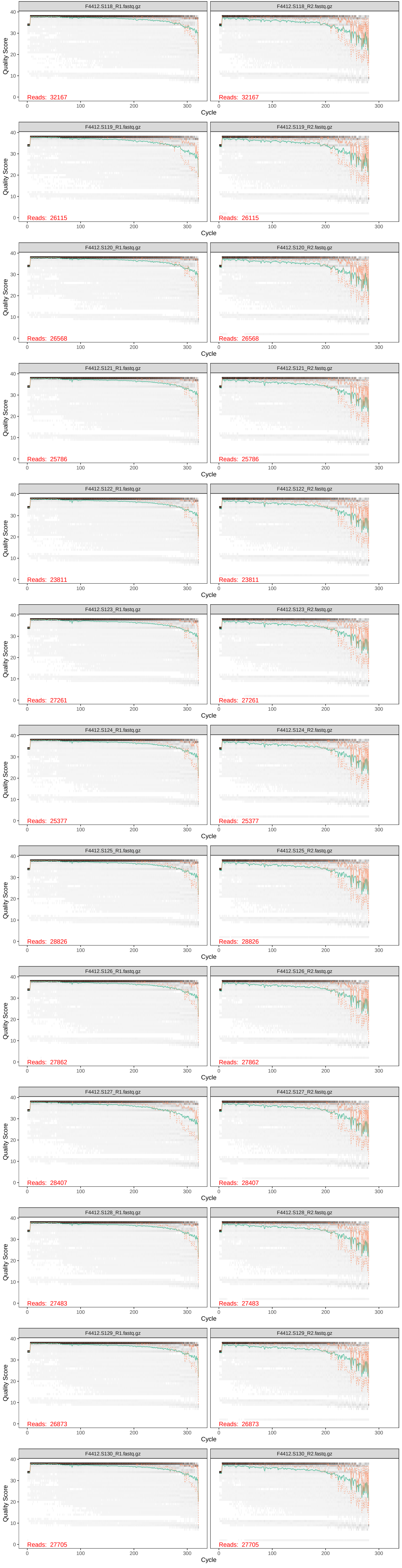

F4412.S101_R1.fastq.gz
F4412.S101_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 29483
Reads: 29483
0
100
200
300
Cycle

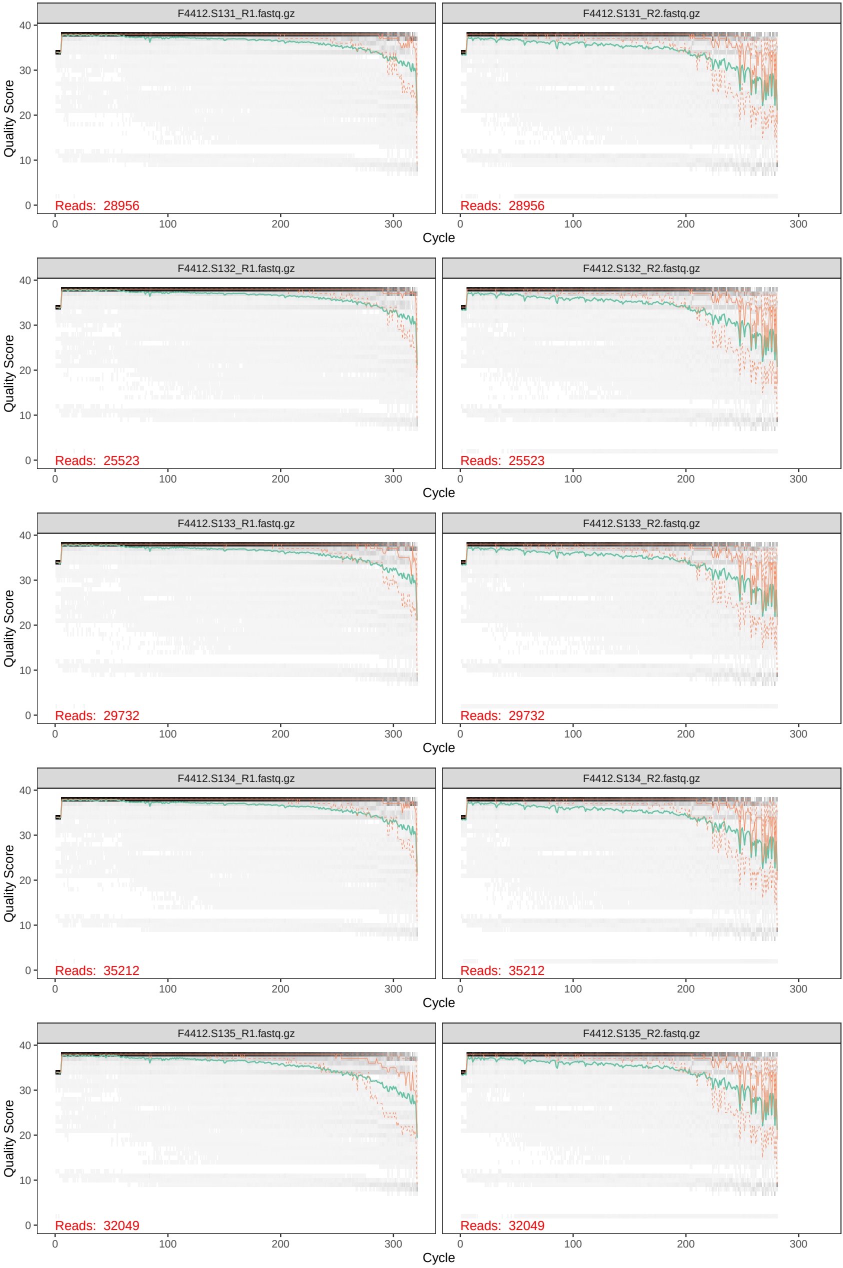

F4412.S102_R1.fastq.gz
F4412.S102_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 28194
Reads: 28194
0
100
200
300
Cycle


F4412.S103_R1.fastq.gz
F4412.S103_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 27054
Reads: 27054
0
100
200
300
Cycle


F4412.S104_R1.fastq.gz
F4412.S104_R2.fastq.gz
Quality Score
0
10
20
30
40
Reads: 26140
Reads: 26140
0
100
200
300
Cycle


F4412.S105_R1.fastq.gz
F4412.S105_R2.fastq.gz
Reads: 28709
Reads: 28709
F4412.S106_R1.fastq.gz
F4412.S106_R2.fastq.gz
Reads: 23754
Reads: 23754
F4412.S107_R1.fastq.gz
F4412.S107_R2.fastq.gz
Reads: 27310
Reads: 27310
F4412.S108_R1.fastq.gz
F4412.S108_R2.fastq.gz
Reads: 25061
Reads: 25061
F4412.S109_R1.fastq.gz
F4412.S109_R2.fastq.gz
Reads: 34604
Reads: 34604
F4412.S110_R1.fastq.gz
F4412.S110_R2.fastq.gz
Reads: 32198
Reads: 32198
F4412.S111_R1.fastq.gz
F4412.S111_R2.fastq.gz
Reads: 26144
Reads: 26144
F4412.S112_R1.fastq.gz
F4412.S112_R2.fastq.gz
Reads: 30037
Reads: 30037
F4412.S113_R1.fastq.gz
F4412.S113_R2.fastq.gz
Reads: 29398
Reads: 29398
F4412.S114_R1.fastq.gz
F4412.S114_R2.fastq.gz
Reads: 26979
Reads: 26979
F4412.S115_R1.fastq.gz
F4412.S115_R2.fastq.gz
Reads: 30420
Reads: 30420
F4412.S116_R1.fastq.gz
F4412.S116_R2.fastq.gz
Reads: 30388
Reads: 30388
F4412.S117_R1.fastq.gz
F4412.S117_R2.fastq.gz
Reads: 26214
Reads: 26214
Quality Score
0
10
20
30
40
Cycle
0
100
200
300


F4412.S118_R1.fastq.gz
F4412.S118_R2.fastq.gz
Reads: 32167
Reads: 32167
F4412.S119_R1.fastq.gz
F4412.S119_R2.fastq.gz
Reads: 26115
Reads: 26115
F4412.S120_R1.fastq.gz
F4412.S120_R2.fastq.gz
Reads: 26568
Reads: 26568
F4412.S121_R1.fastq.gz
F4412.S121_R2.fastq.gz
Reads: 25786
Reads: 25786
F4412.S122_R1.fastq.gz
F4412.S122_R2.fastq.gz
Reads: 23811
Reads: 23811
F4412.S123_R1.fastq.gz
F4412.S123_R2.fastq.gz
Reads: 27261
Reads: 27261
F4412.S124_R1.fastq.gz
F4412.S124_R2.fastq.gz
Reads: 25377
Reads: 25377
F4412.S125_R1.fastq.gz
F4412.S125_R2.fastq.gz
Reads: 28826
Reads: 28826
F4412.S126_R1.fastq.gz
F4412.S126_R2.fastq.gz
Reads: 27862
Reads: 27862
F4412.S127_R1.fastq.gz
F4412.S127_R2.fastq.gz
Reads: 28407
Reads: 28407
F4412.S128_R1.fastq.gz
F4412.S128_R2.fastq.gz
Reads: 27483
Reads: 27483
F4412.S129_R1.fastq.gz
F4412.S129_R2.fastq.gz
Reads: 26873
Reads: 26873
F4412.S130_R1.fastq.gz
F4412.S130_R2.fastq.gz
Reads: 27705
Reads: 27705
Quality Score
0
10
20
30
40
Cycle
0
100
200
300


F4412.S131_R1.fastq.gz
F4412.S131_R2.fastq.gz
Reads: 28956
Reads: 28956
F4412.S132_R1.fastq.gz
F4412.S132_R2.fastq.gz
Reads: 25523
Reads: 25523
F4412.S133_R1.fastq.gz
F4412.S133_R2.fastq.gz
Reads: 29732
Reads: 29732
F4412.S134_R1.fastq.gz
F4412.S134_R2.fastq.gz
Reads: 35212
Reads: 35212
F4412.S135_R1.fastq.gz
F4412.S135_R2.fastq.gz
Reads: 32049
Reads: 32049
Quality Score
0
10
20
30
40
Cycle
0
100
200
300