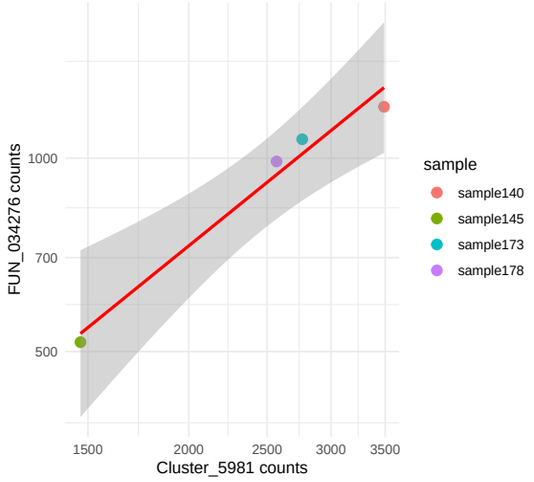
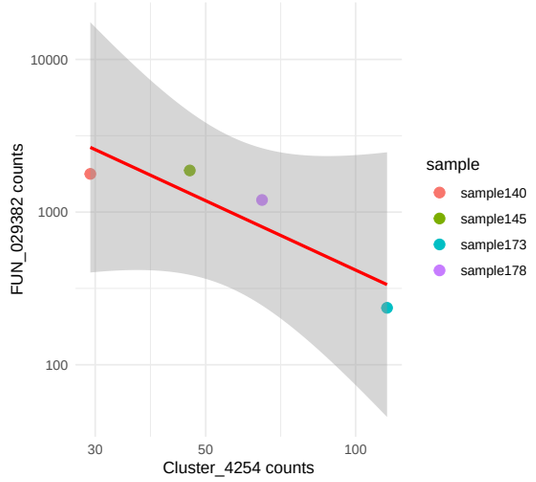
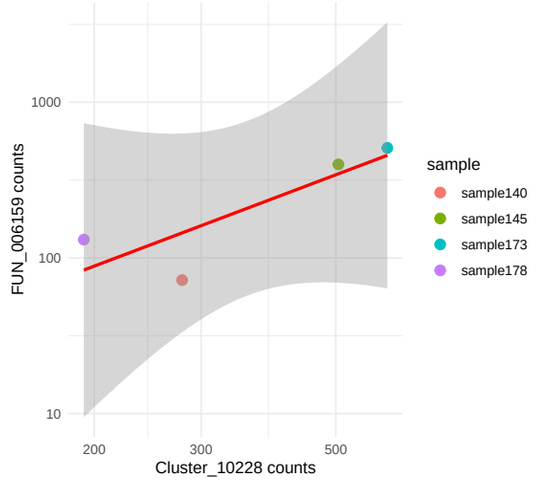
Cluster_5981 vs FUN_034276
Correlation: 0.979 | p−value: 0.0212



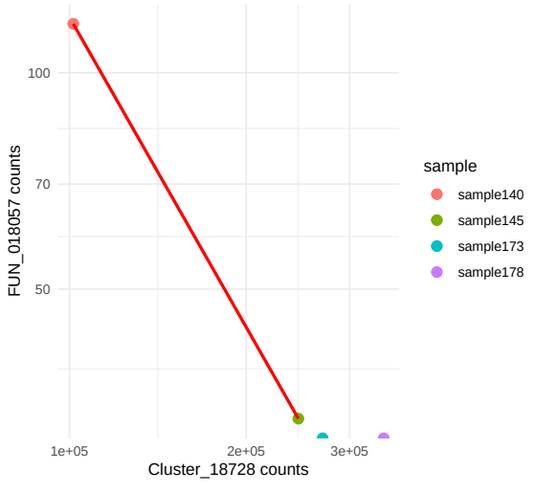
Cluster_4254 vs FUN_029382
Correlation: −0.97 | p−value: 0.0297



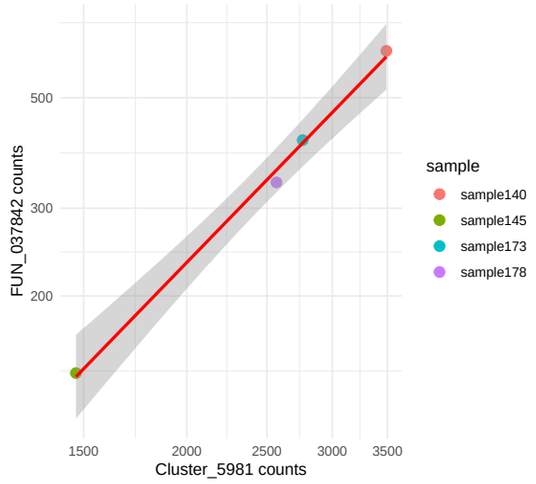
Cluster_10228 vs FUN_006159
Correlation: 0.955 | p−value: 0.0446



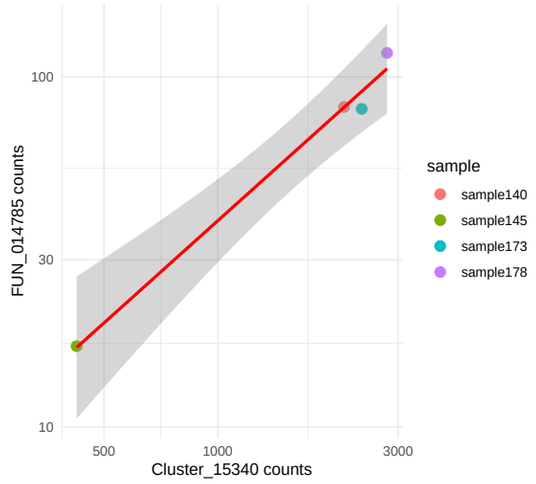
Cluster_18728 vs FUN_018057
Correlation: −0.955 | p−value: 0.0446



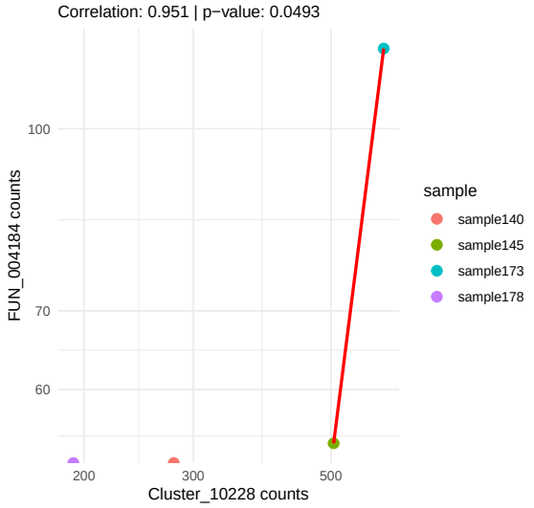
Cluster_5981 vs FUN_037842
Correlation: 0.988 | p−value: 0.0123



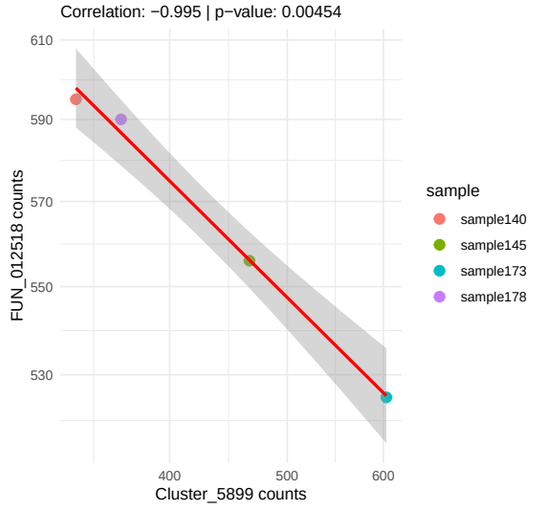
Cluster_15340 vs FUN_014785
Correlation: 0.979 | p−value: 0.0207



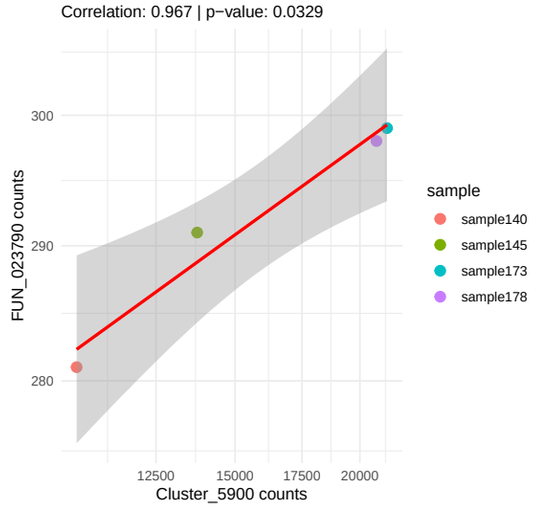
Cluster_10228 vs FUN_004184
Correlation: 0.951 | p−value: 0.0493



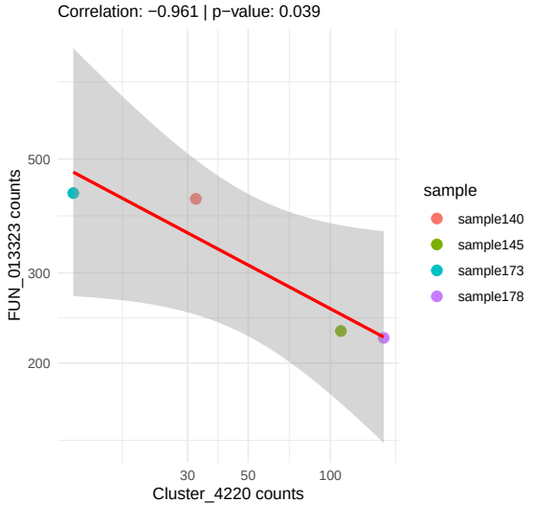
Cluster_5899 vs FUN_012518
Correlation: −0.995 | p−value: 0.00454



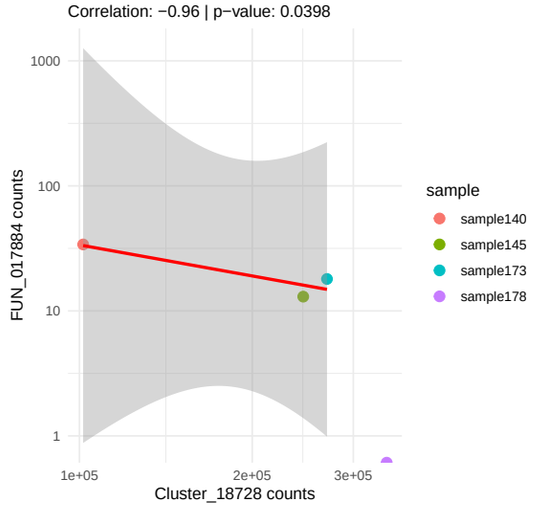
Cluster_5900 vs FUN_023790
Correlation: 0.967 | p−value: 0.0329



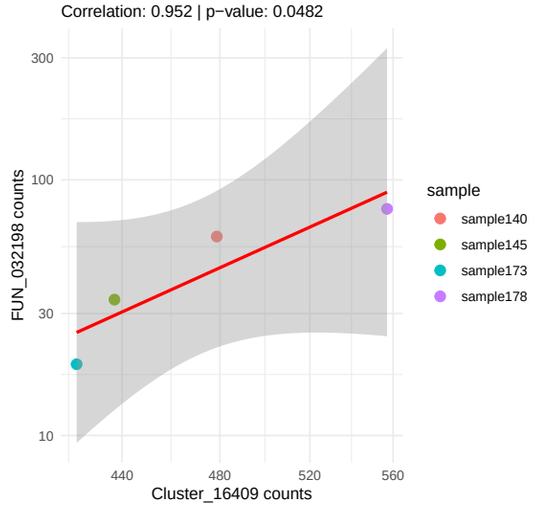
Cluster_4220 vs FUN_013323
Correlation: −0.961 | p−value: 0.039



Cluster_18728 vs FUN_017884
Correlation: −0.96 | p−value: 0.0398



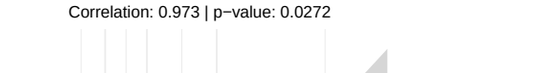
Cluster_16409 vs FUN_032198
Correlation: 0.952 | p−value: 0.0482

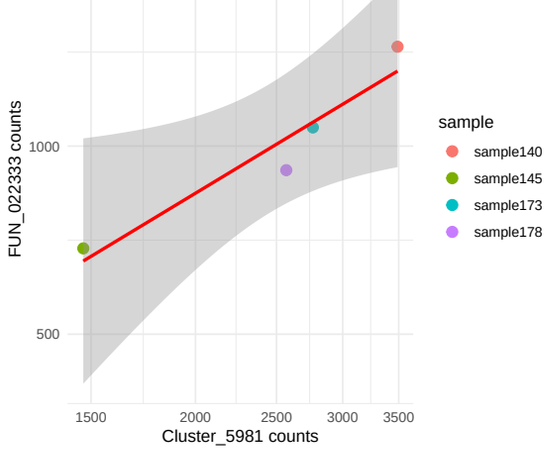


Cluster_5981 vs FUN_022333
Correlation: 0.961 | p−value: 0.039

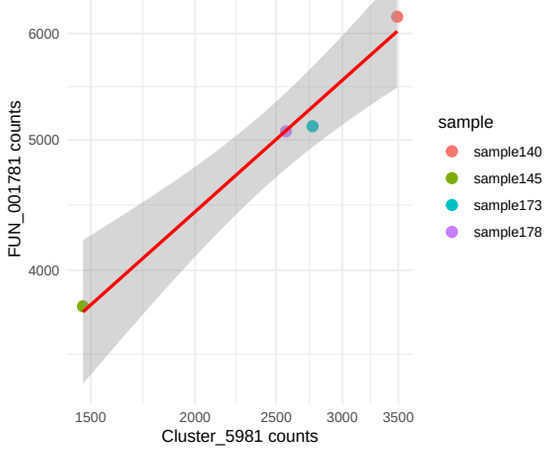
Cluster_5981 vs FUN_001781
Correlation: 0.996 | p−value: 0.00445

Cluster_19193 vs FUN_041706
Correlation: 0.973 | p−value: 0.0272

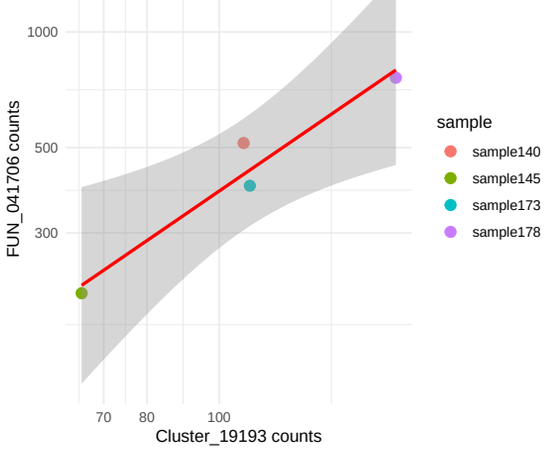




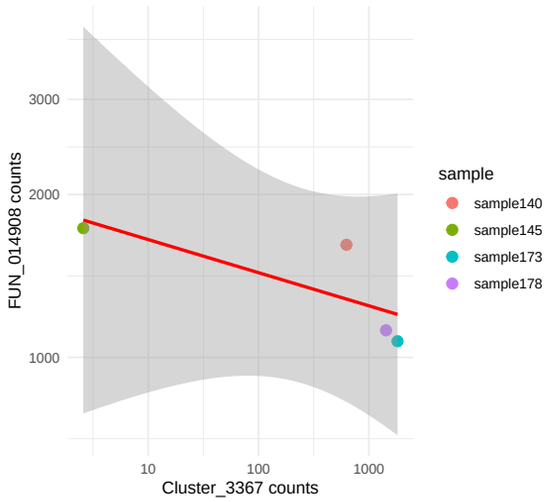
Cluster_3367 vs FUN_014908
Correlation: −0.975 | p−value: 0.0249



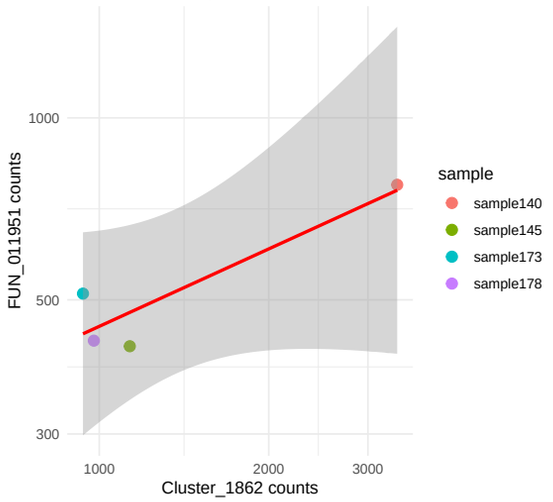
Cluster_1862 vs FUN_011951
Correlation: 0.952 | p−value: 0.0478



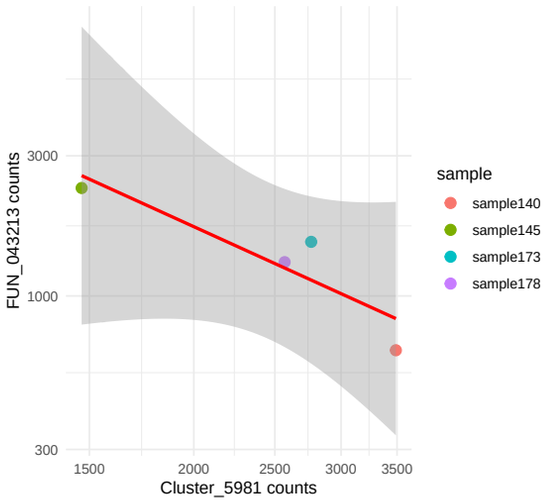
Cluster_5981 vs FUN_043213
Correlation: −0.972 | p−value: 0.0281



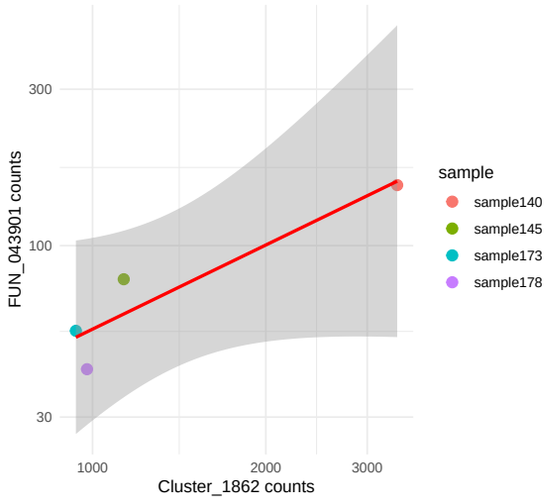
Cluster_1862 vs FUN_043901
Correlation: 0.967 | p−value: 0.0327



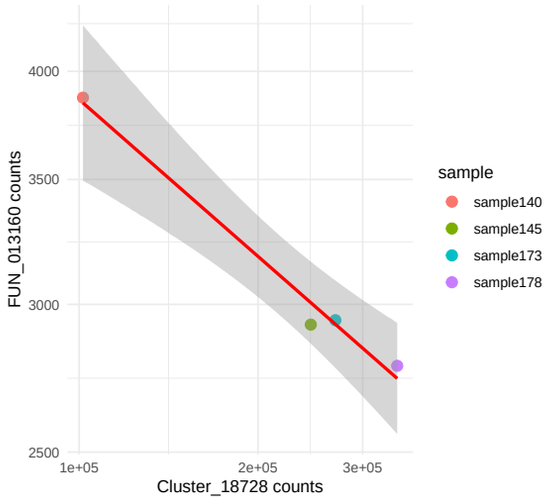
Cluster_18728 vs FUN_013160
Correlation: −0.959 | p−value: 0.0413



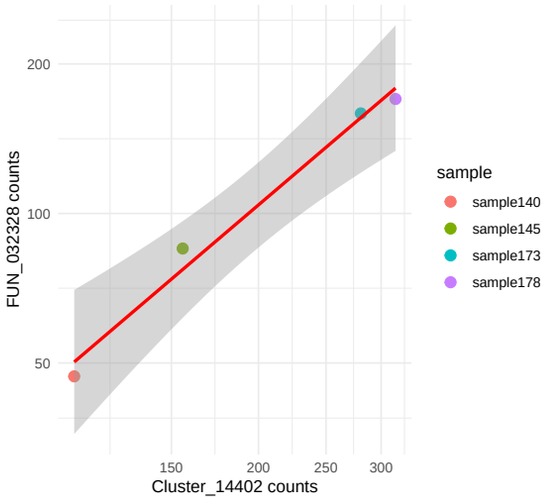
Cluster_14402 vs FUN_032328
Correlation: 0.996 | p−value: 0.00446



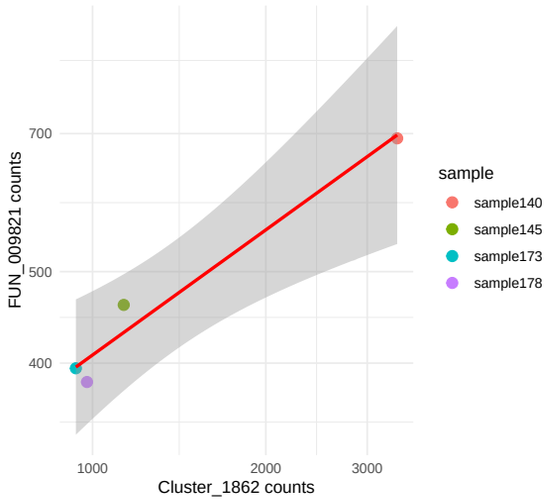
Cluster_1862 vs FUN_009821
Correlation: 0.984 | p−value: 0.0157



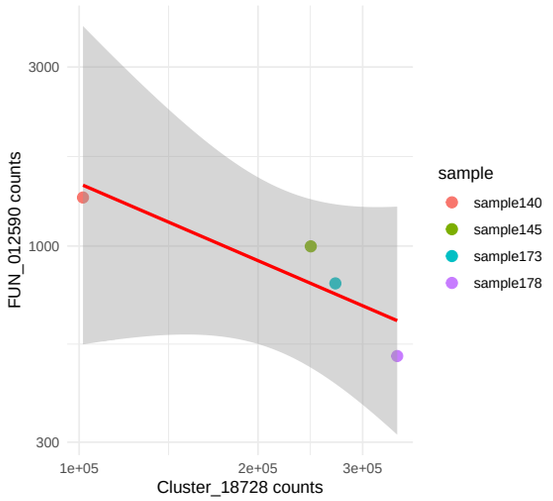
Cluster_18728 vs FUN_012590
Correlation: −0.979 | p−value: 0.0206



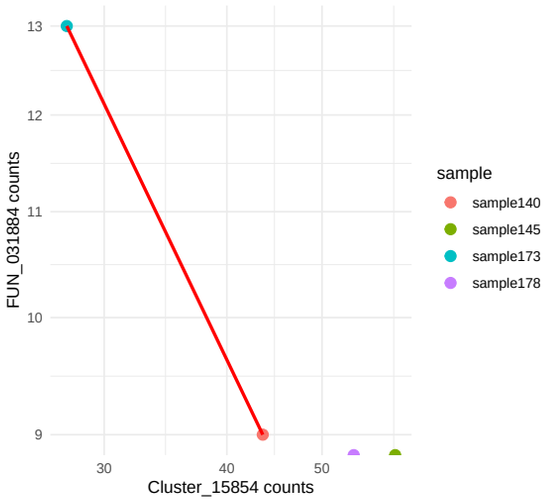
Cluster_15854 vs FUN_031884
Correlation: −0.959 | p−value: 0.0415



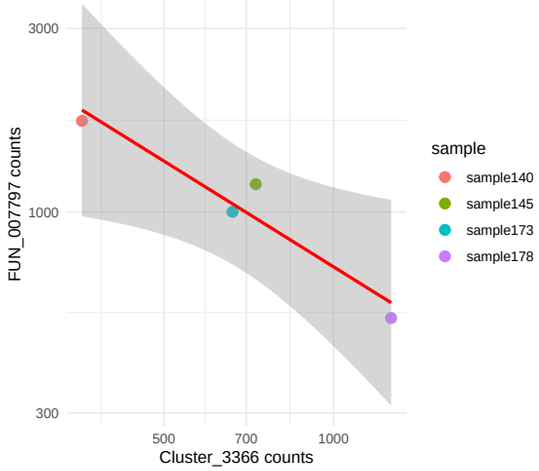
Cluster_3366 vs FUN_007797
Correlation: −0.951 | p−value: 0.0487



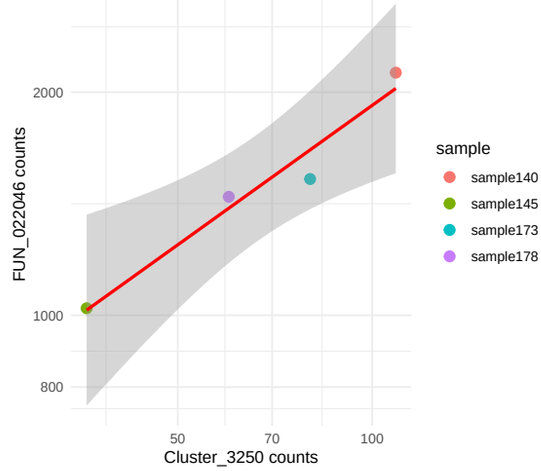
Cluster_3250 vs FUN_022046
Correlation: 0.979 | p−value: 0.0213



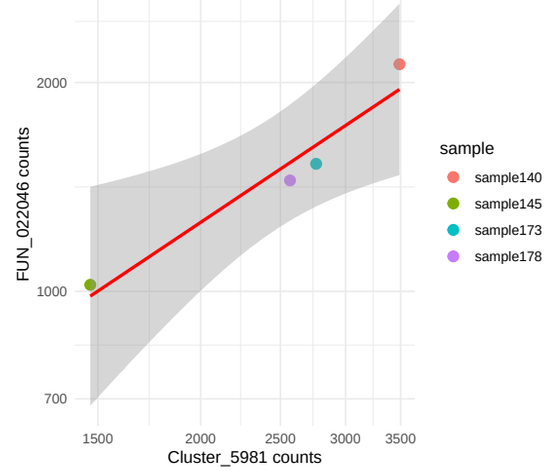
Cluster_5981 vs FUN_022046
Correlation: 0.971 | p−value: 0.0291



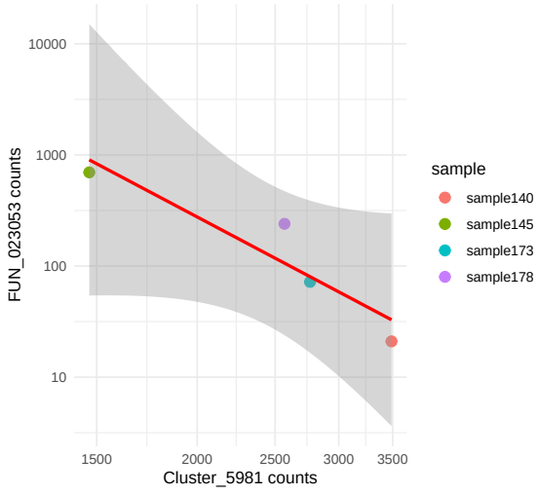
Cluster_5981 vs FUN_023053
Correlation: −0.956 | p−value: 0.0439



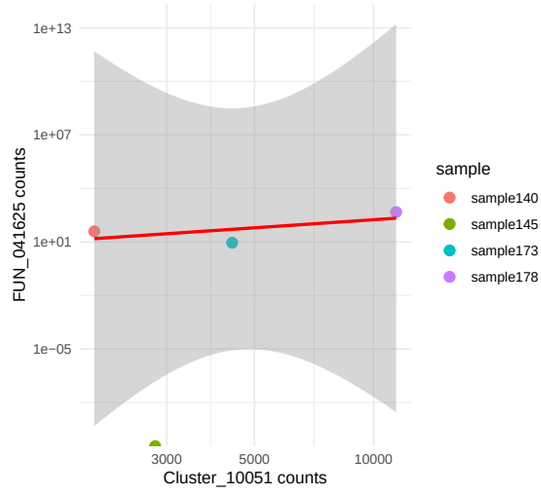
Cluster_10051 vs FUN_041625
Correlation: 0.959 | p−value: 0.0407



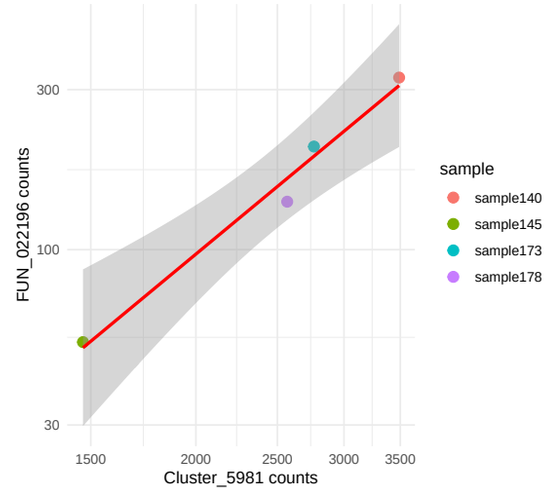
Cluster_5981 vs FUN_022196
Correlation: 0.966 | p−value: 0.0335



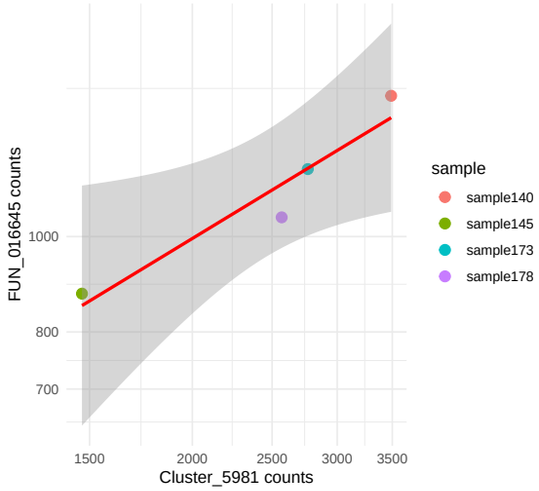
Cluster_5981 vs FUN_016645
Correlation: 0.971 | p−value: 0.0286



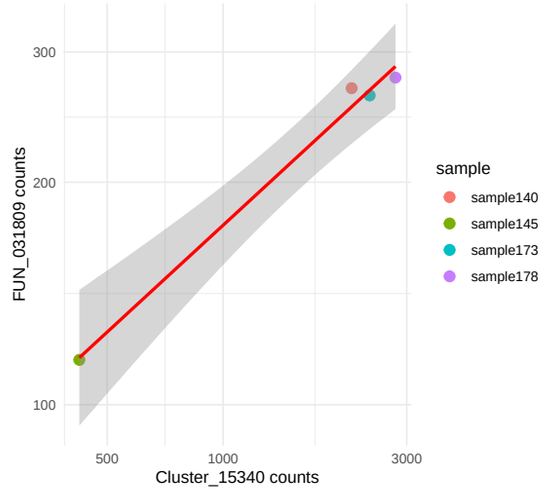
Cluster_15340 vs FUN_031809
Correlation: 0.978 | p−value: 0.0216



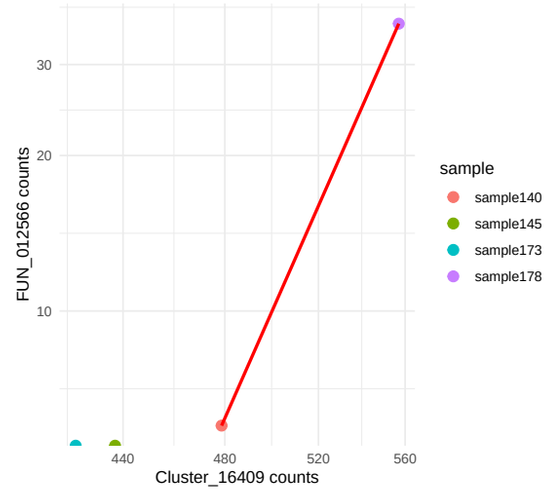
Cluster_16409 vs FUN_012566
Correlation: 0.969 | p−value: 0.0308



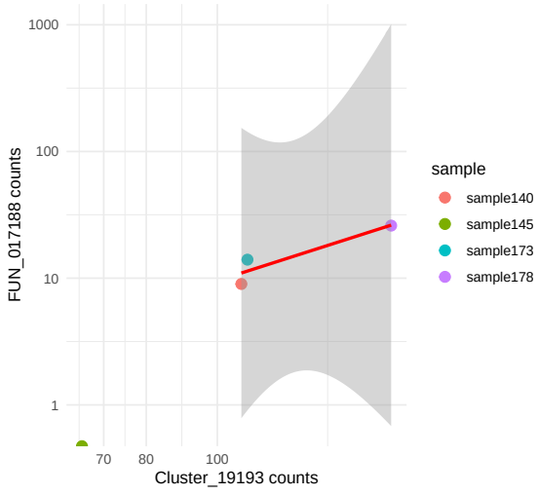
Cluster_19193 vs FUN_017188
Correlation: 0.984 | p−value: 0.0157



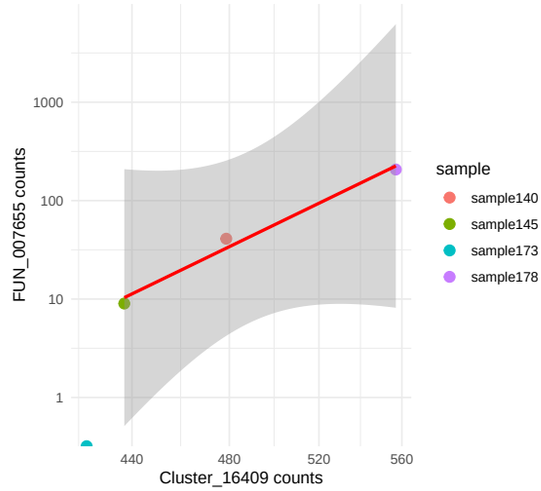
Cluster_16409 vs FUN_007655
Correlation: 0.975 | p−value: 0.0247



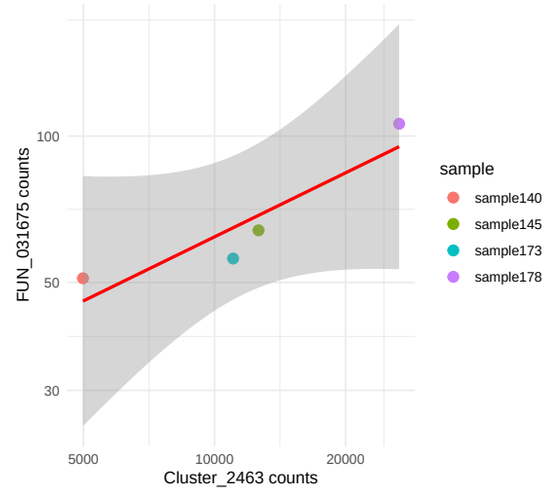
Cluster_2463 vs FUN_031675
Correlation: 0.98 | p−value: 0.0197



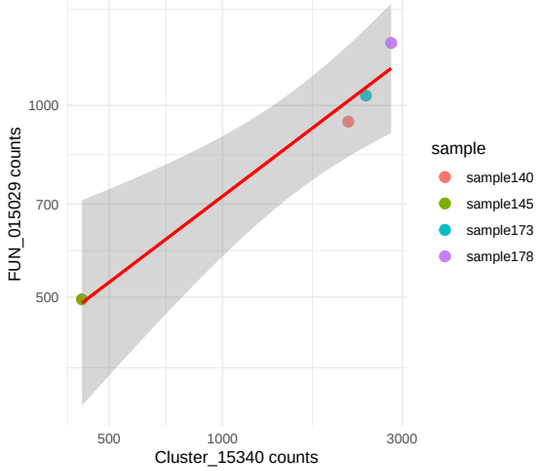
Cluster_15340 vs FUN_015029
Correlation: 0.986 | p−value: 0.0138



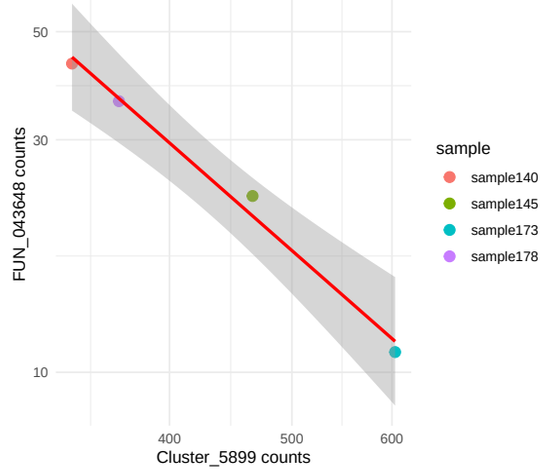
Cluster_5899 vs FUN_043648
Correlation: −0.987 | p−value: 0.0129



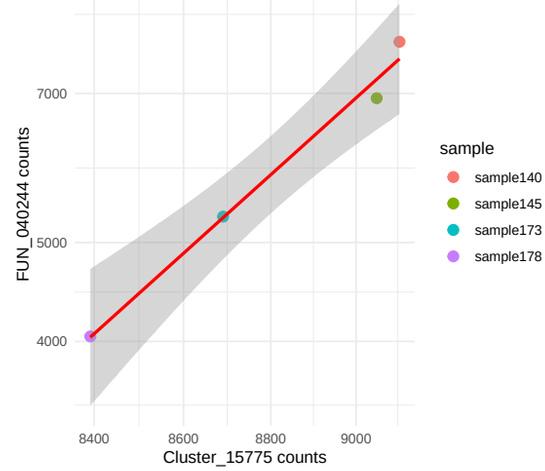
Cluster_15775 vs FUN_040244
Correlation: 0.985 | p−value: 0.0148



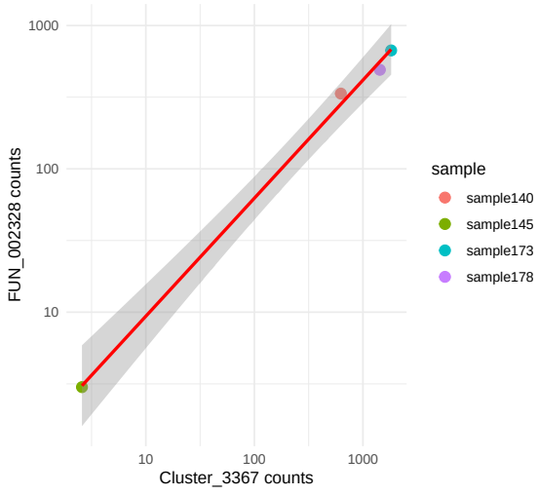
Cluster_3367 vs FUN_002328
Correlation: 0.98 | p−value: 0.0199



Cluster_5900 vs FUN_029778
Correlation: 0.966 | p−value: 0.0337



Cluster_19193 vs FUN_015070
Correlation: −0.958 | p−value: 0.0421



Cluster_15340 vs FUN_043043
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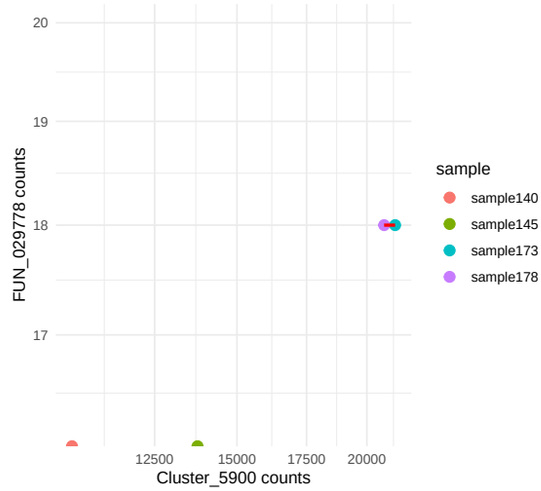
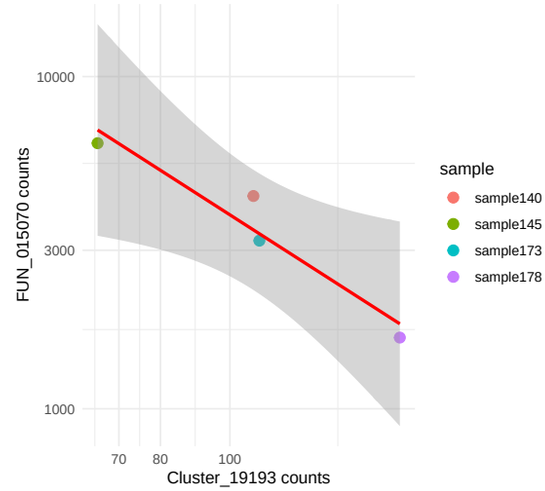
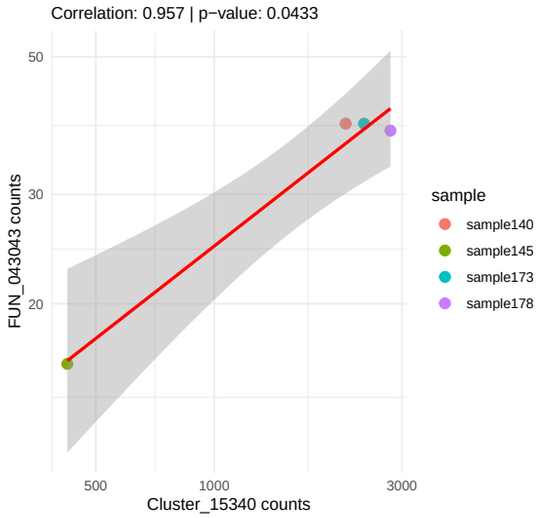


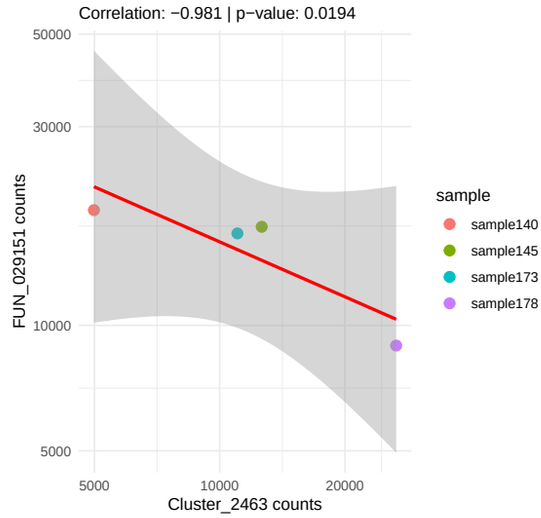
Cluster_2463 vs FUN_029151
Correlation: −0.981 | p−value: 0.0194



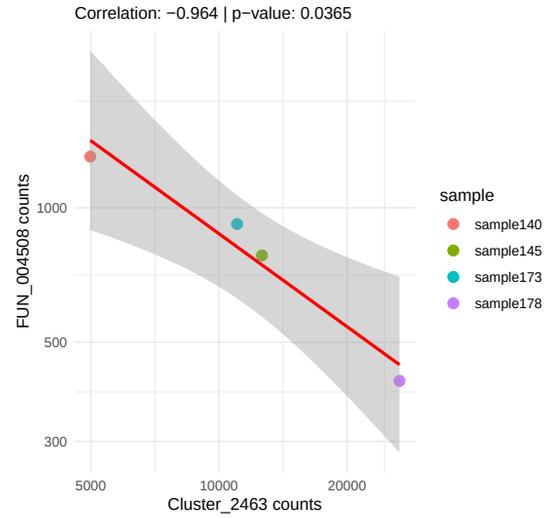
Cluster_2463 vs FUN_004508
Correlation: −0.964 | p−value: 0.0365



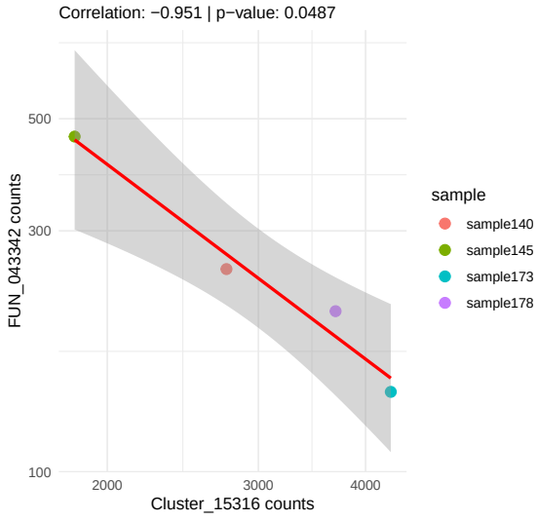
Cluster_15316 vs FUN_043342
Correlation: −0.951 | p−value: 0.0487



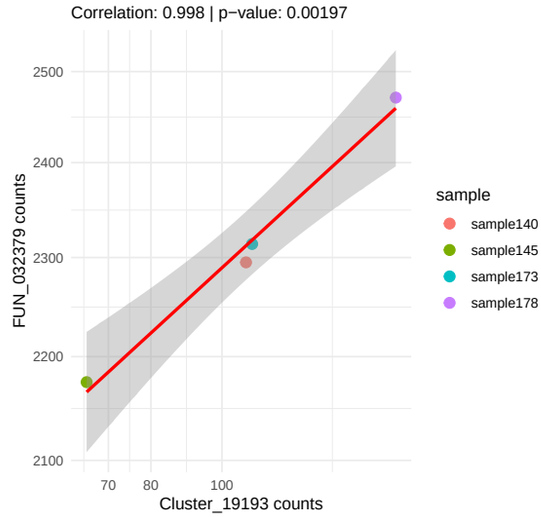
Cluster_19193 vs FUN_032379
Correlation: 0.998 | p−value: 0.00197



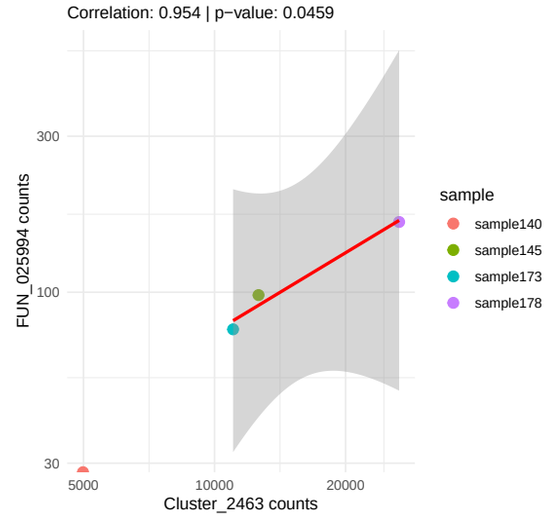
Cluster_2463 vs FUN_025994
Correlation: 0.954 | p−value: 0.0459



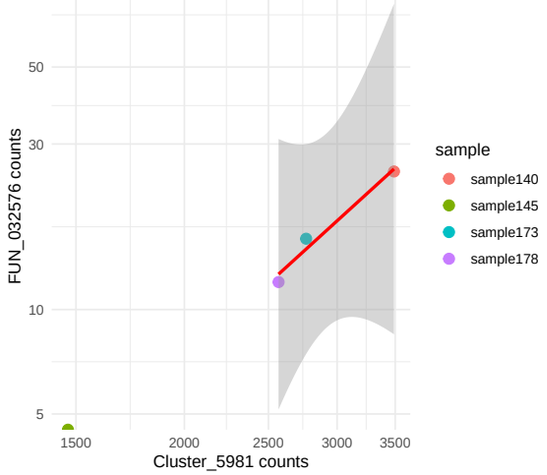
Cluster_5981 vs FUN_032576
Correlation: 0.997 | p−value: 0.00299



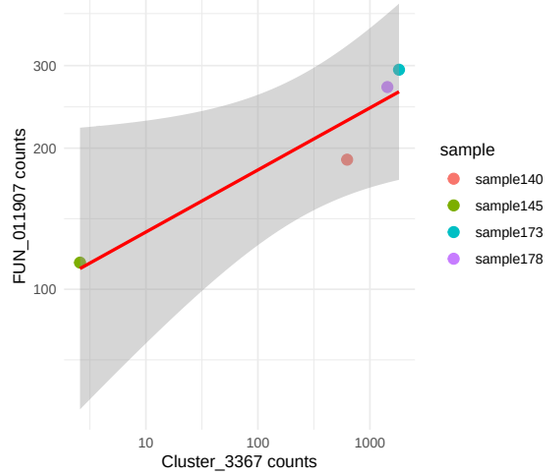
Cluster_3367 vs FUN_011907
Correlation: 0.995 | p−value: 0.0047



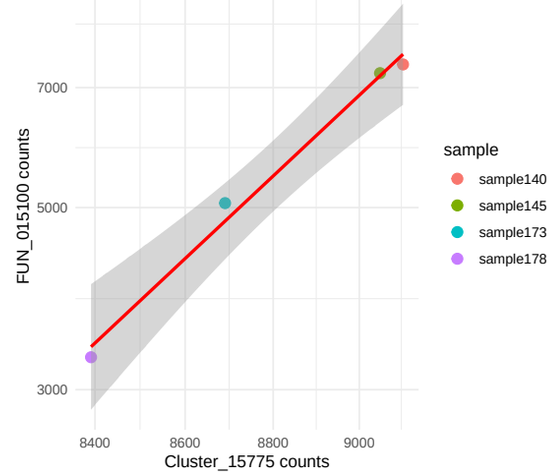
Cluster_15775 vs FUN_015100
Correlation: 1 | p−value: 0.000442



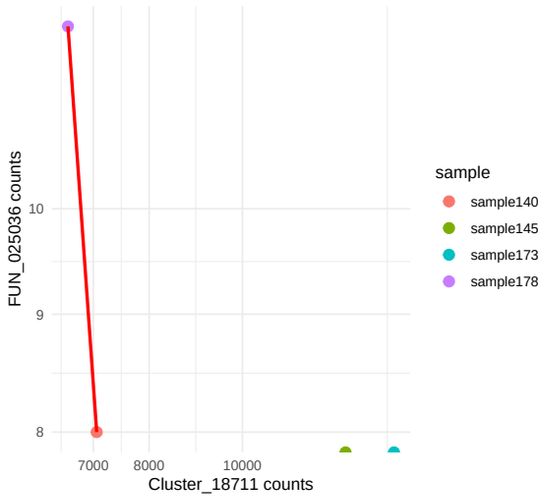
Cluster_18711 vs FUN_025036
Correlation: −0.962 | p−value: 0.0385



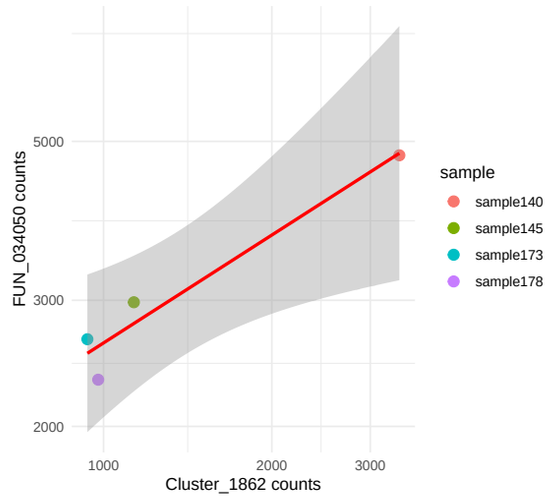
Cluster_1862 vs FUN_034050
Correlation: 0.98 | p−value: 0.0196



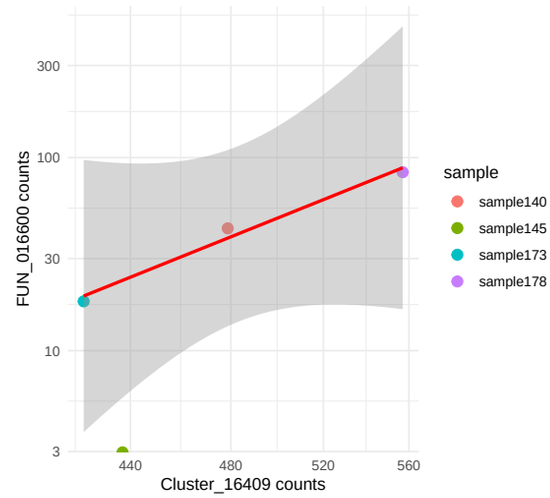
Cluster_16409 vs FUN_016600
Correlation: 0.952 | p−value: 0.0476



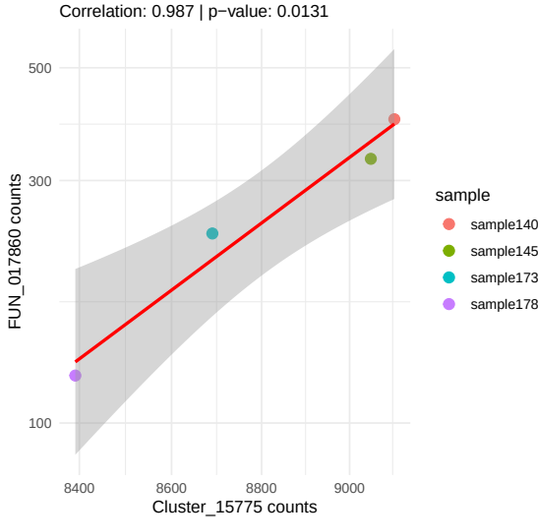
Cluster_15775 vs FUN_017860
Correlation: 0.987 | p−value: 0.0131



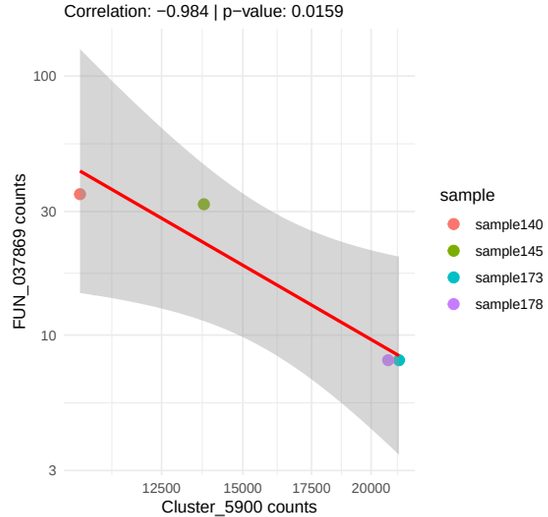
Cluster_5900 vs FUN_037869
Correlation: −0.984 | p−value: 0.0159



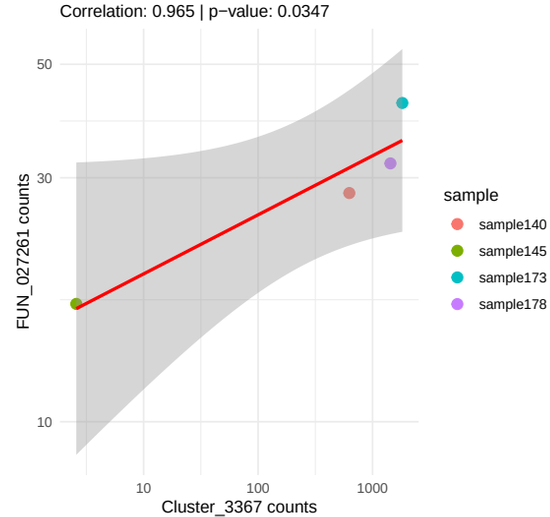
Cluster_3367 vs FUN_027261
Correlation: 0.965 | p−value: 0.0347



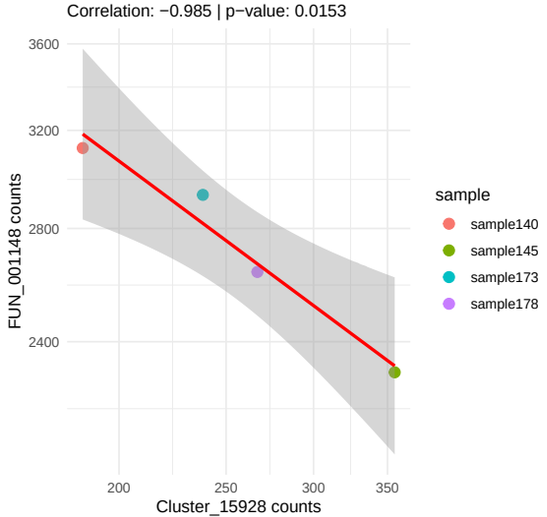
Cluster_15928 vs FUN_001148
Correlation: −0.985 | p−value: 0.0153



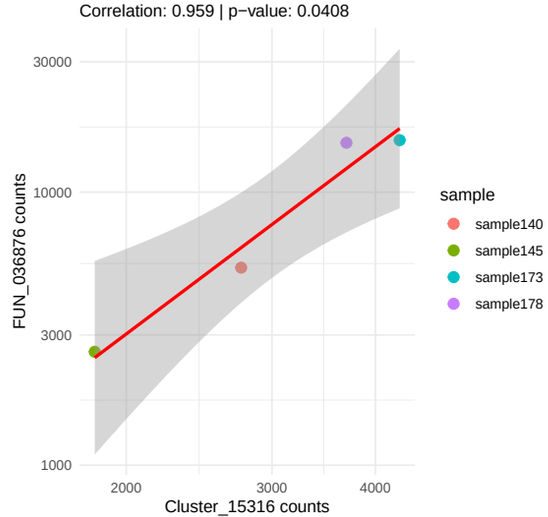
Cluster_15316 vs FUN_036876
Correlation: 0.959 | p−value: 0.0408



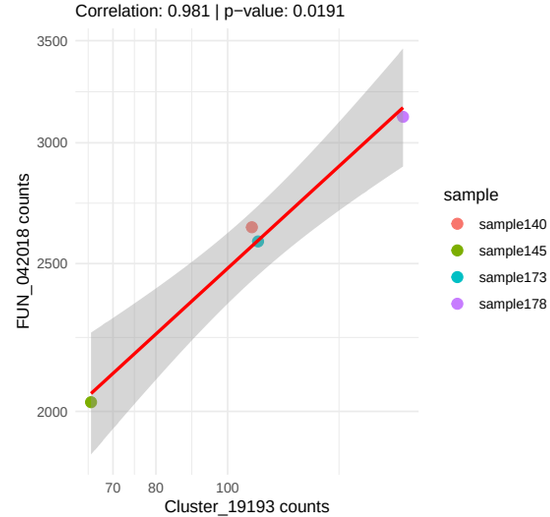
Cluster_19193 vs FUN_042018
Correlation: 0.981 | p−value: 0.0191



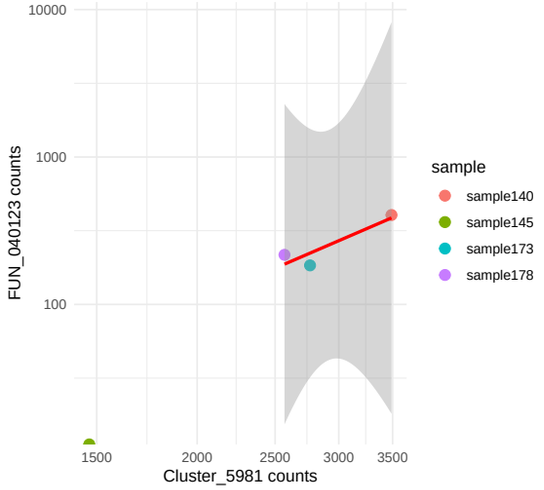
Cluster_5981 vs FUN_040123
Correlation: 0.975 | p−value: 0.0247



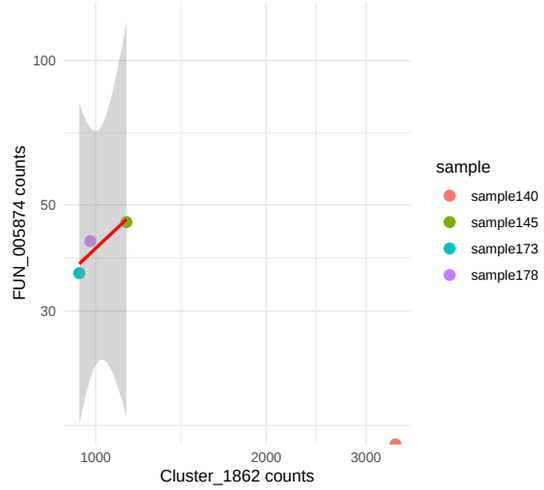
Cluster_1862 vs FUN_005874
Correlation: −0.966 | p−value: 0.0344



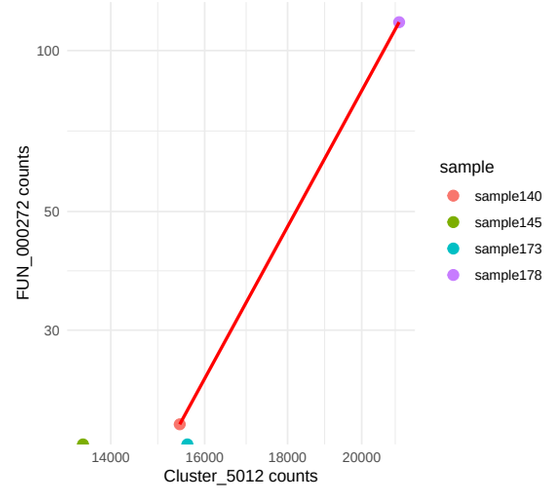
Cluster_5012 vs FUN_000272
Correlation: 0.963 | p−value: 0.0374



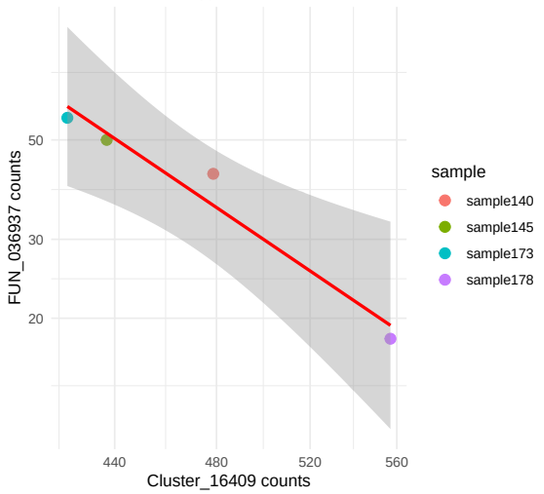
Cluster_16409 vs FUN_036937
Correlation: −0.996 | p−value: 0.00394



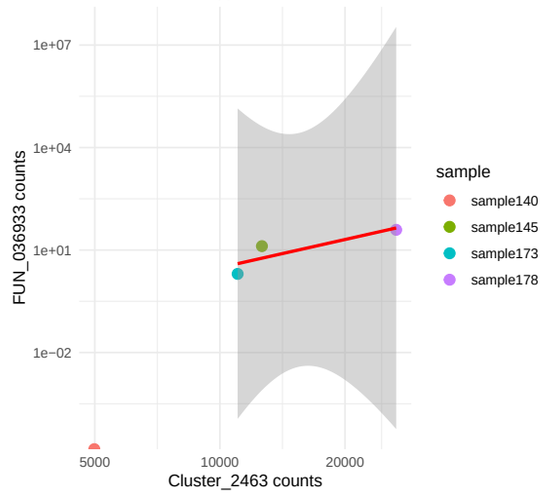
Cluster_2463 vs FUN_036933
Correlation: 0.972 | p−value: 0.0284



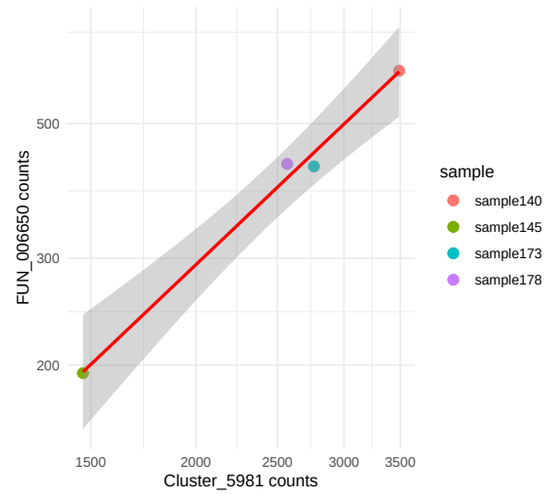
Cluster_5981 vs FUN_006650
Correlation: 0.993 | p−value: 0.00661



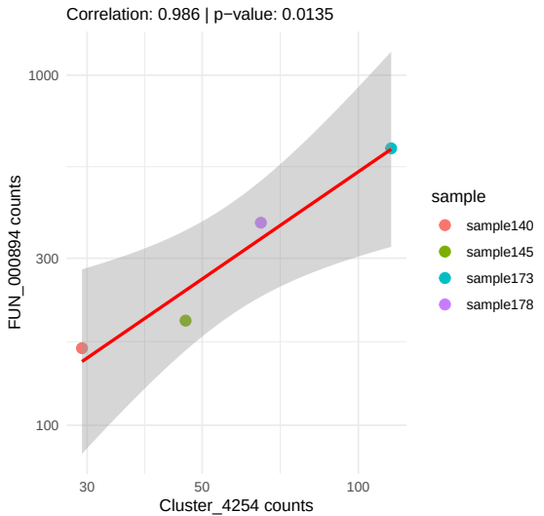
Cluster_4254 vs FUN_000894
Correlation: 0.986 | p−value: 0.0135



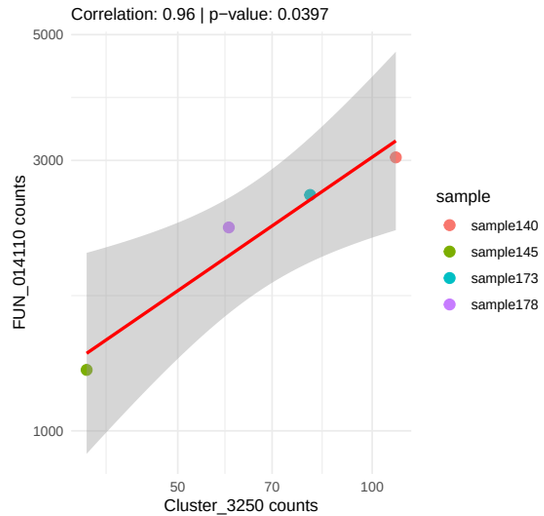
Cluster_3250 vs FUN_014110
Correlation: 0.96 | p−value: 0.0397



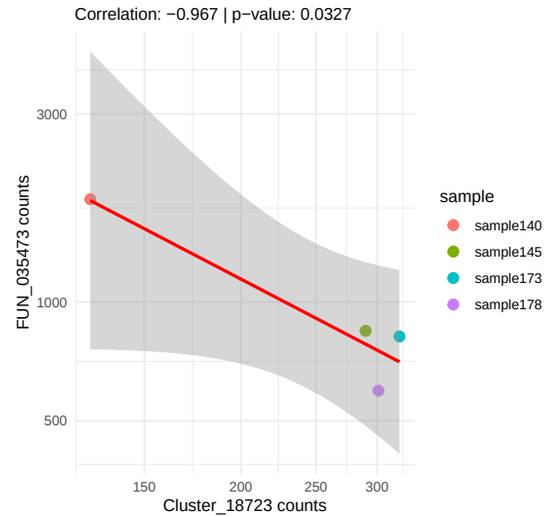
Cluster_18723 vs FUN_035473
Correlation: −0.967 | p−value: 0.0327



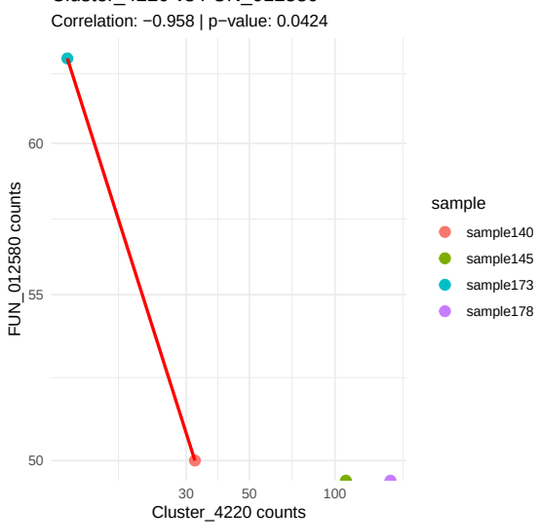
Cluster_4220 vs FUN_012580
Correlation: −0.958 | p−value: 0.0424



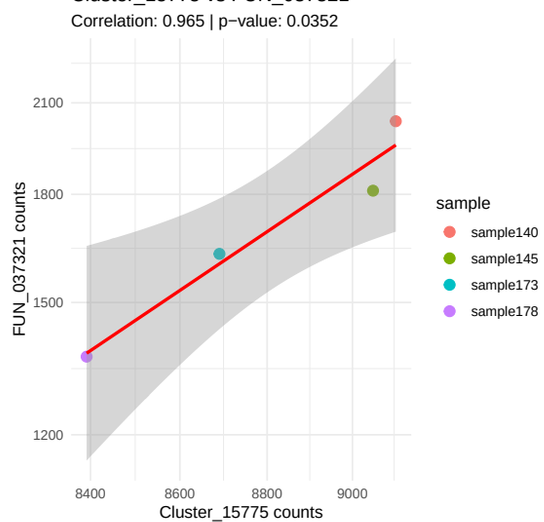
Cluster_15775 vs FUN_037321
Correlation: 0.965 | p−value: 0.0352



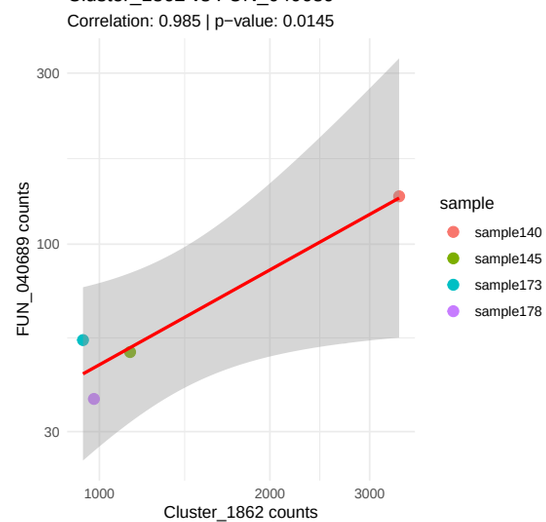
Cluster_1862 vs FUN_040689
Correlation: 0.985 | p−value: 0.0145



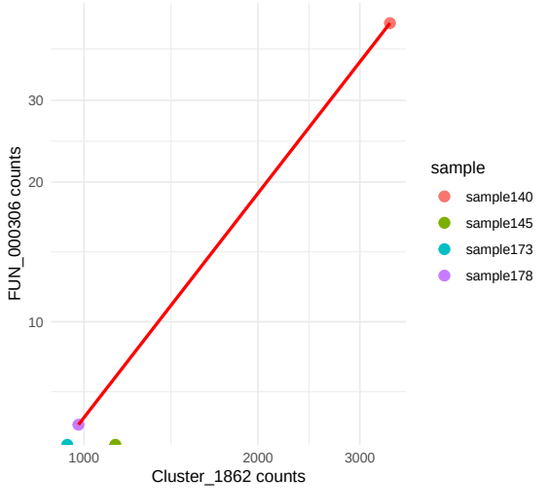
Cluster_1862 vs FUN_000306
Correlation: 0.986 | p−value: 0.0145



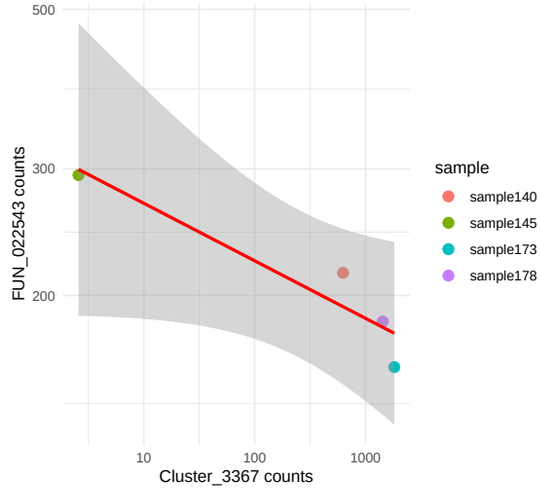
Cluster_3367 vs FUN_022543
Correlation: −0.965 | p−value: 0.0347



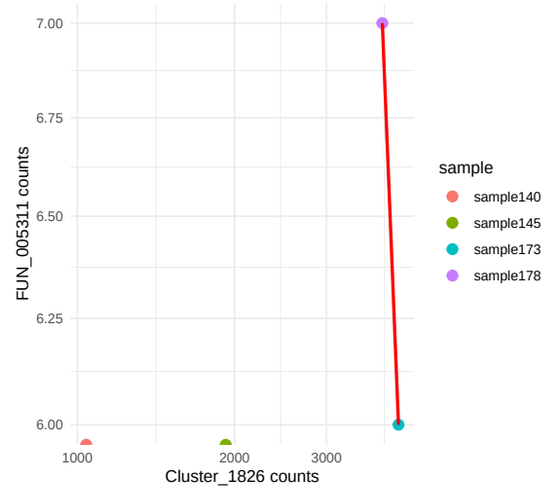
Cluster_1826 vs FUN_005311
Correlation: 0.953 | p−value: 0.0469



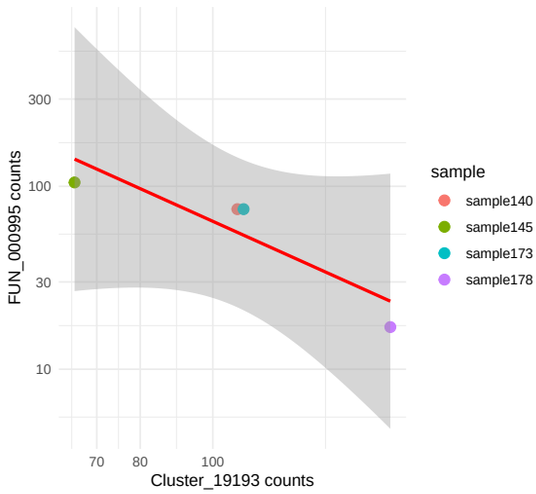
Cluster_19193 vs FUN_000995
Correlation: −0.996 | p−value: 0.00413



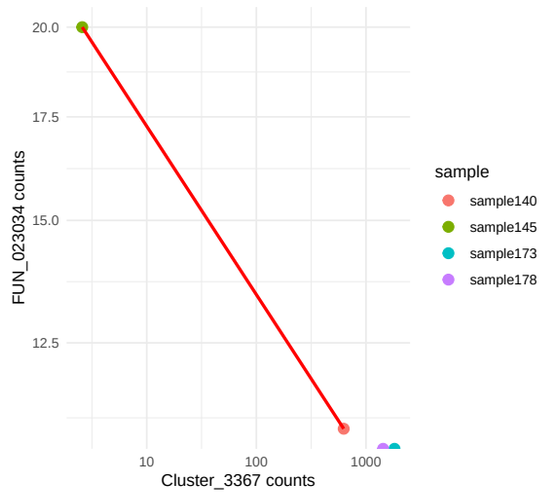
Cluster_3367 vs FUN_023034
Correlation: −0.979 | p−value: 0.0211



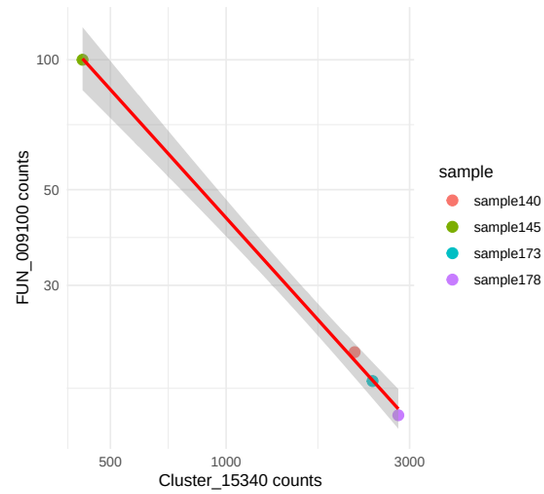
Cluster_15340 vs FUN_009100
Correlation: −0.981 | p−value: 0.0195



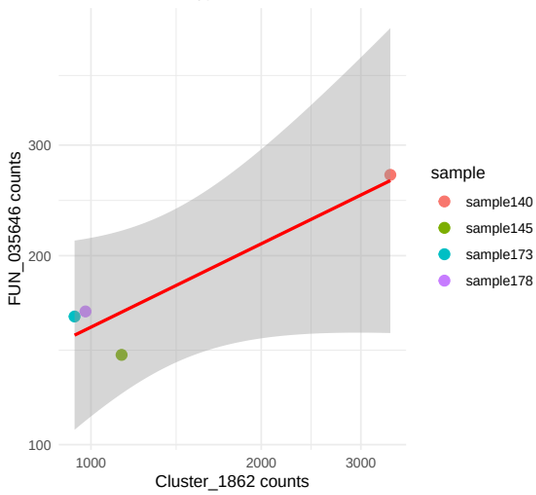
Cluster_1862 vs FUN_035646
Correlation: 0.968 | p−value: 0.0317



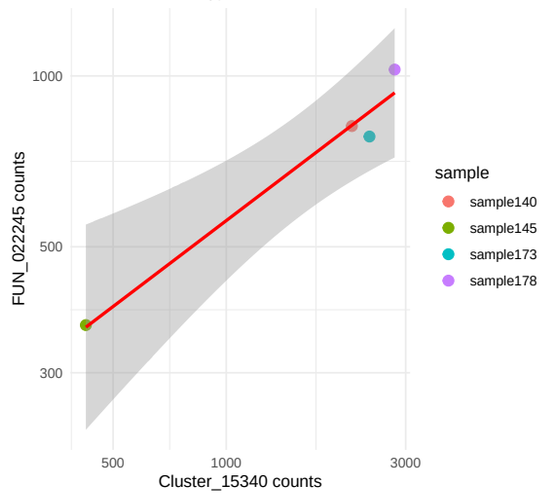
Cluster_15340 vs FUN_022245
Correlation: 0.977 | p−value: 0.0231



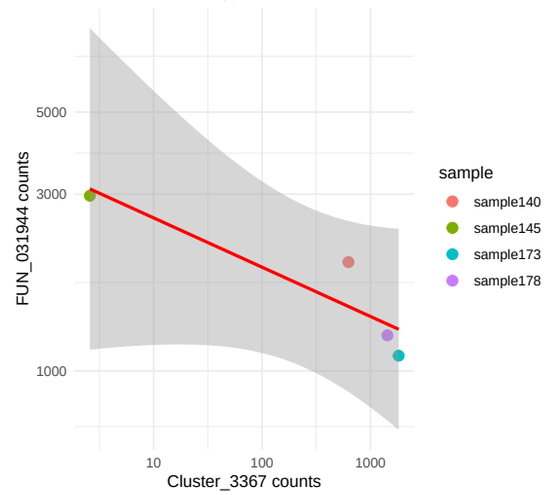
Cluster_3367 vs FUN_031944
Correlation: −0.977 | p−value: 0.0231



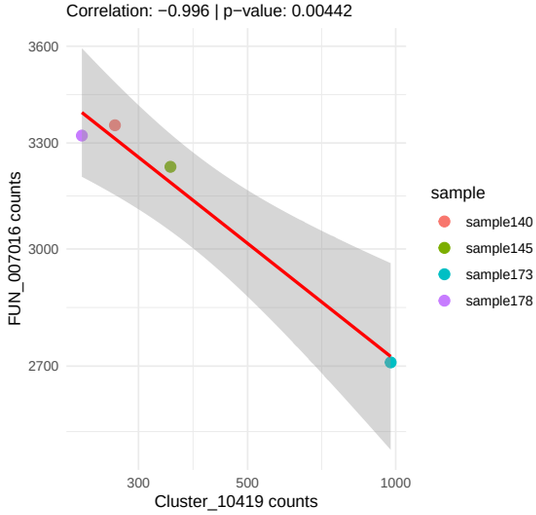
Cluster_10419 vs FUN_007016
Correlation: −0.996 | p−value: 0.00442



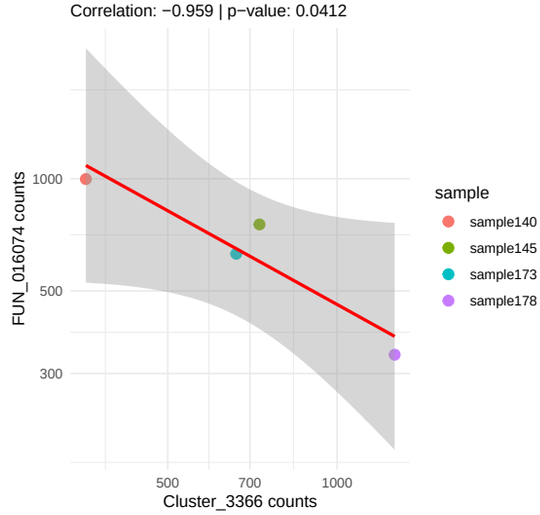
Cluster_3366 vs FUN_016074
Correlation: −0.959 | p−value: 0.0412



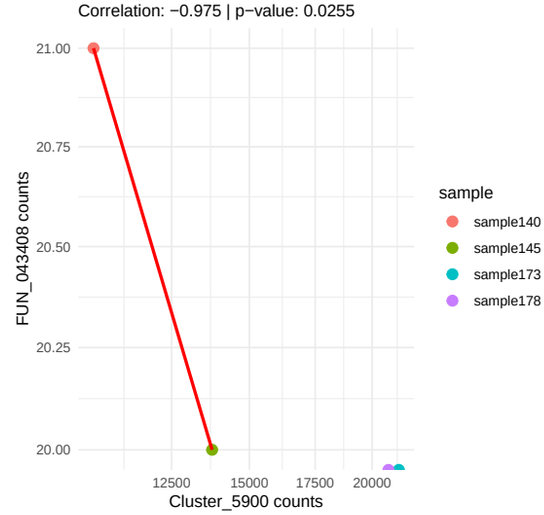
Cluster_5900 vs FUN_043408
Correlation: −0.975 | p−value: 0.0255



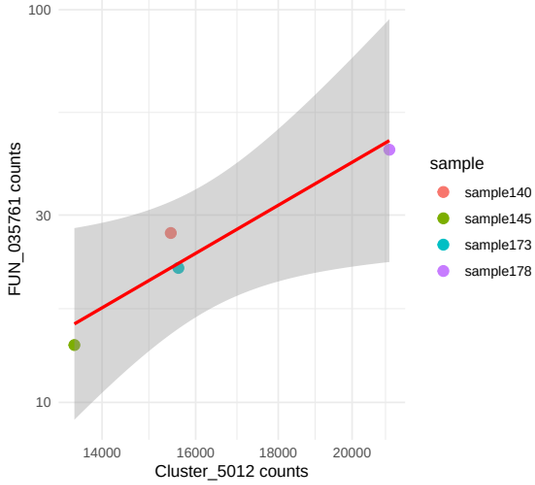
Cluster_5012 vs FUN_035761
Correlation: 0.978 | p−value: 0.022



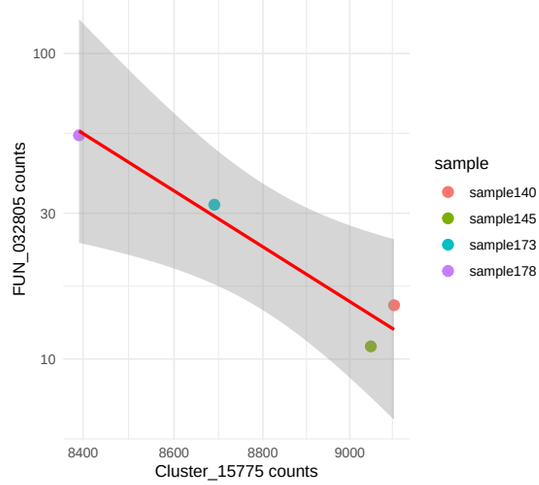
Cluster_15775 vs FUN_032805
Correlation: −0.984 | p−value: 0.0165



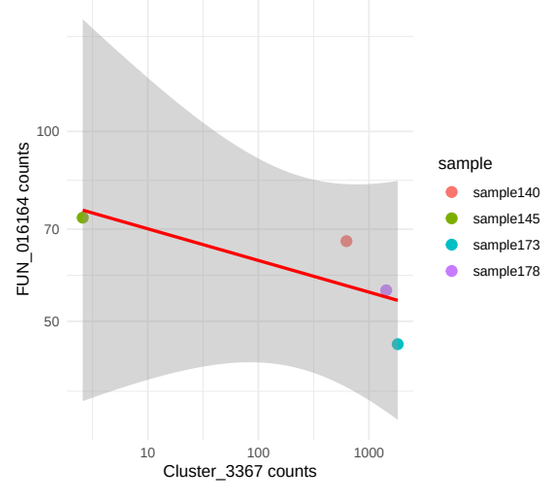
Cluster_3367 vs FUN_016164
Correlation: −0.983 | p−value: 0.0167



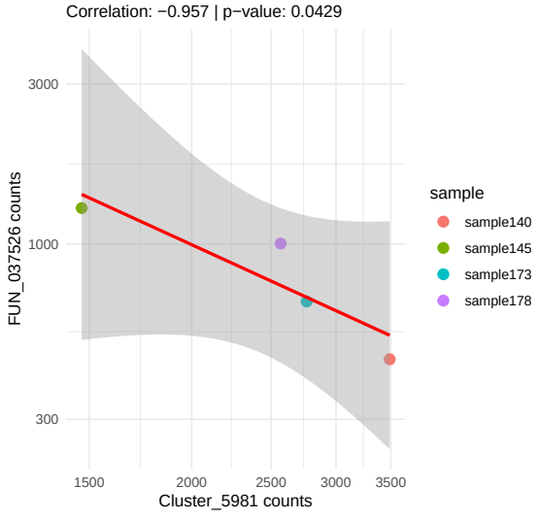
Cluster_5981 vs FUN_037526
Correlation: −0.957 | p−value: 0.0429



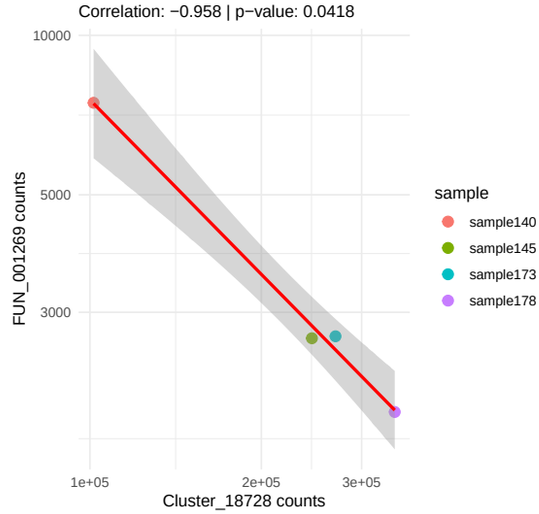
Cluster_18728 vs FUN_001269
Correlation: −0.958 | p−value: 0.0418



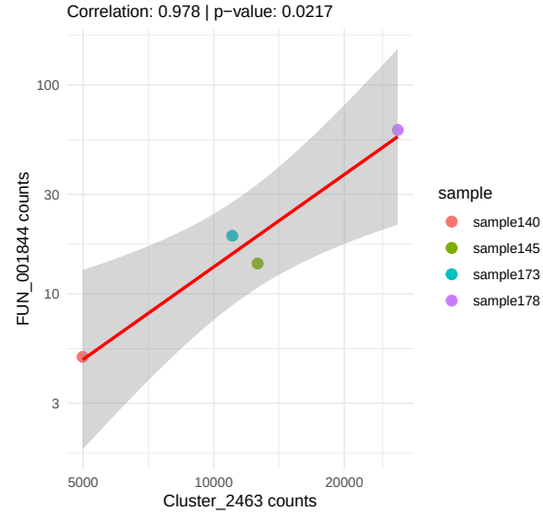
Cluster_2463 vs FUN_001844
Correlation: 0.978 | p−value: 0.0217



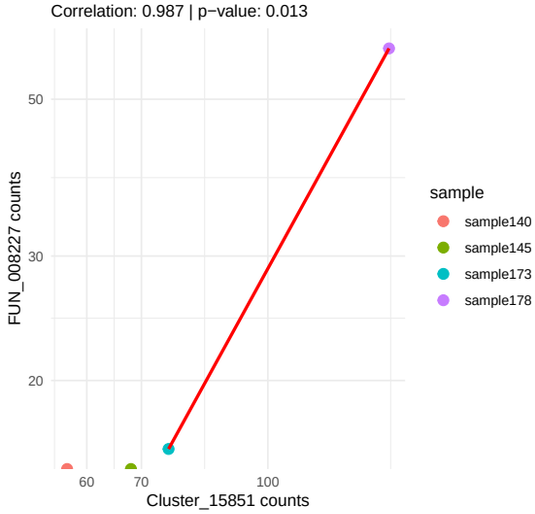
Cluster_15851 vs FUN_008227
Correlation: 0.987 | p−value: 0.013



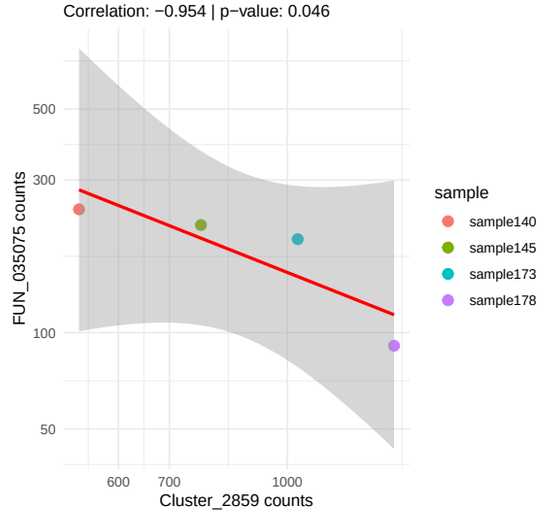
Cluster_2859 vs FUN_035075
Correlation: −0.954 | p−value: 0.046



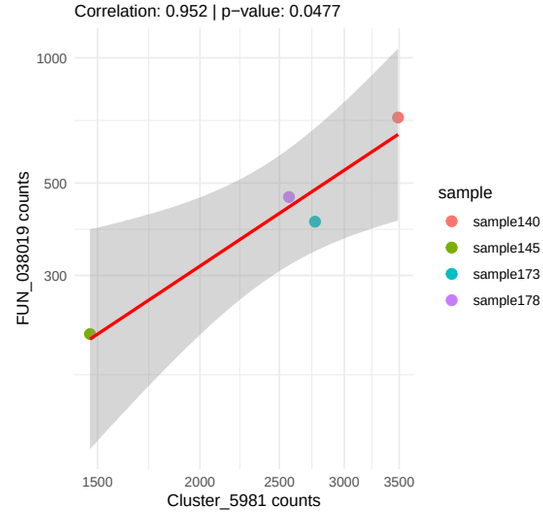
Cluster_5981 vs FUN_038019
Correlation: 0.952 | p−value: 0.0477



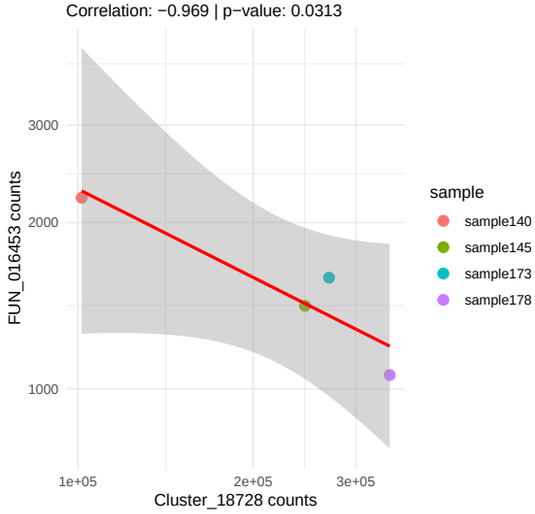
Cluster_18728 vs FUN_016453
Correlation: −0.969 | p−value: 0.0313



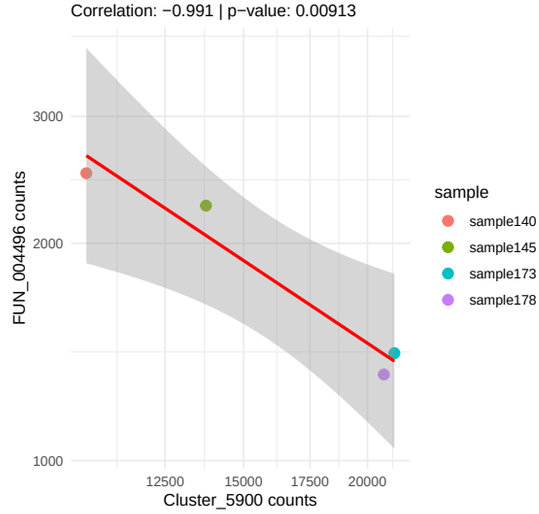
Cluster_5900 vs FUN_004496
Correlation: −0.991 | p−value: 0.00913



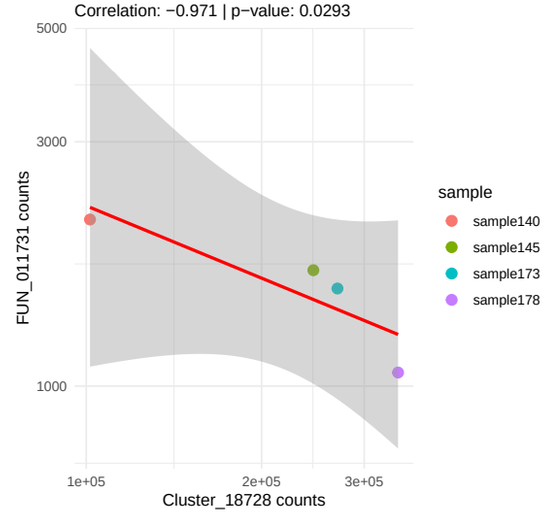
Cluster_18728 vs FUN_011731
Correlation: −0.971 | p−value: 0.0293



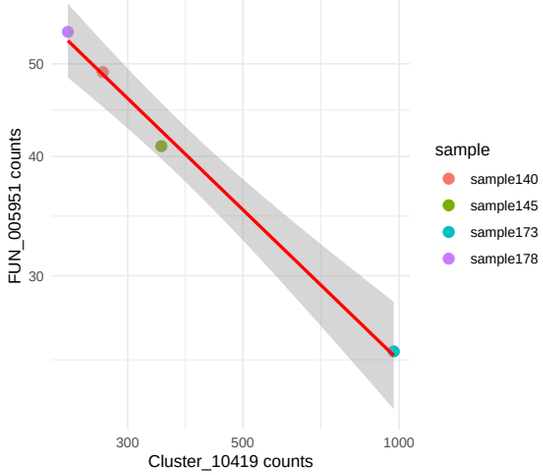
Cluster_10419 vs FUN_005951
Correlation: −0.957 | p−value: 0.0433



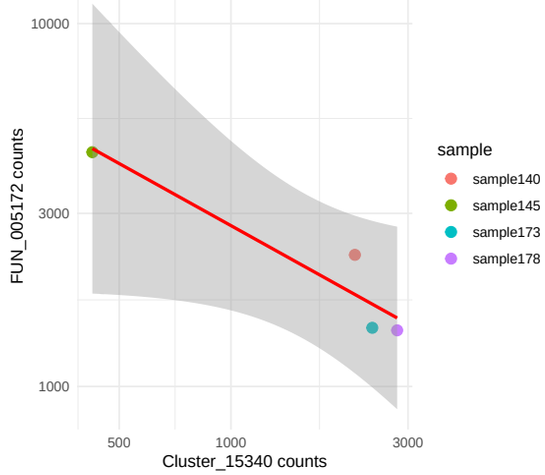
Cluster_15340 vs FUN_005172
Correlation: −0.985 | p−value: 0.0152



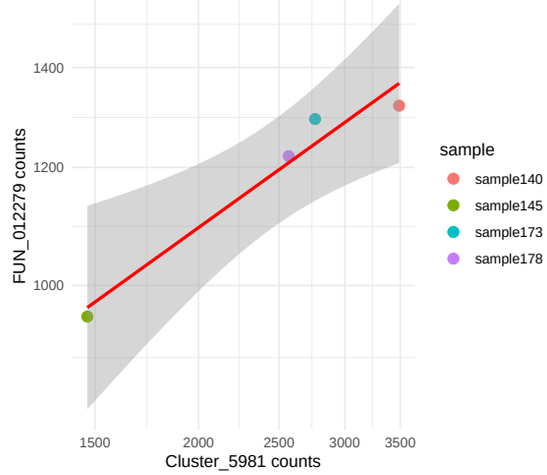
Cluster_5981 vs FUN_012279
Correlation: 0.952 | p−value: 0.0484



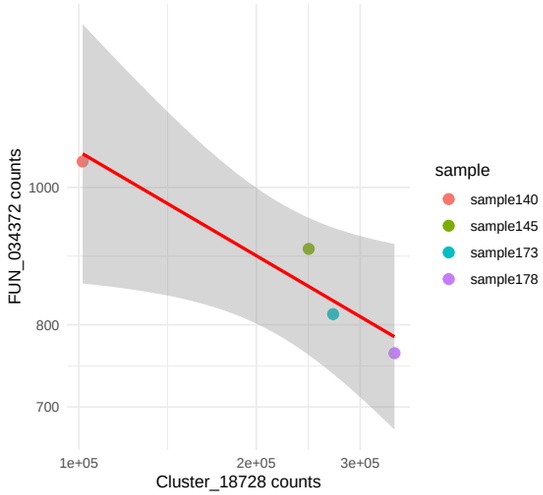
Cluster_18728 vs FUN_034372
Correlation: −0.978 | p−value: 0.0219



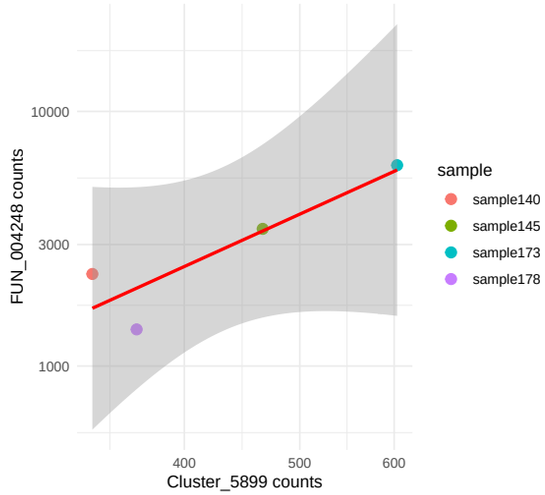
Cluster_5899 vs FUN_004248
Correlation: 0.957 | p−value: 0.0428



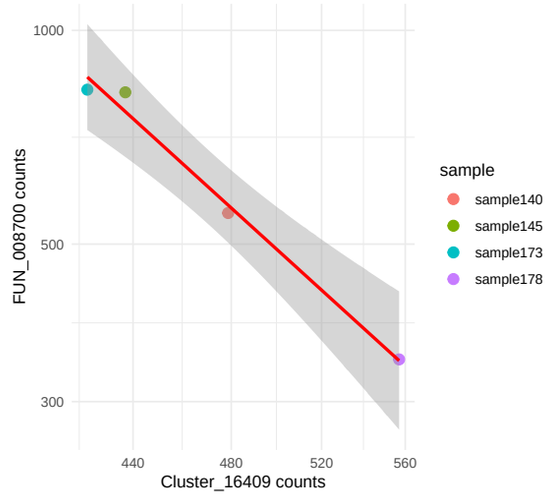
Cluster_16409 vs FUN_008700
Correlation: −0.98 | p−value: 0.0205



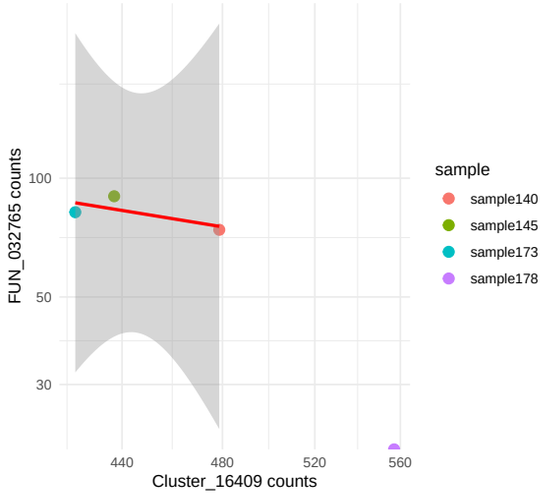
Cluster_16409 vs FUN_032765
Correlation: −0.952 | p−value: 0.0481



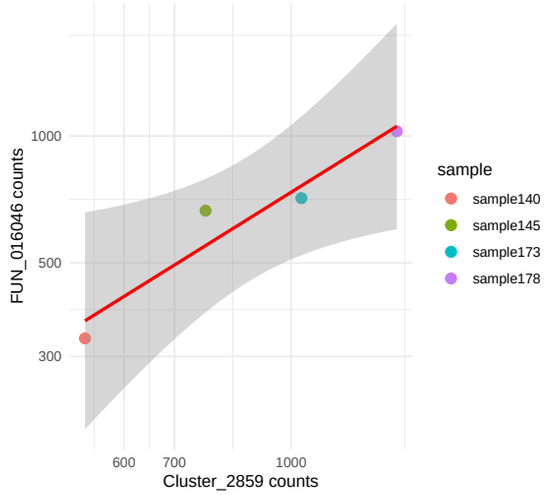
Cluster_2859 vs FUN_016046
Correlation: 0.967 | p−value: 0.0326



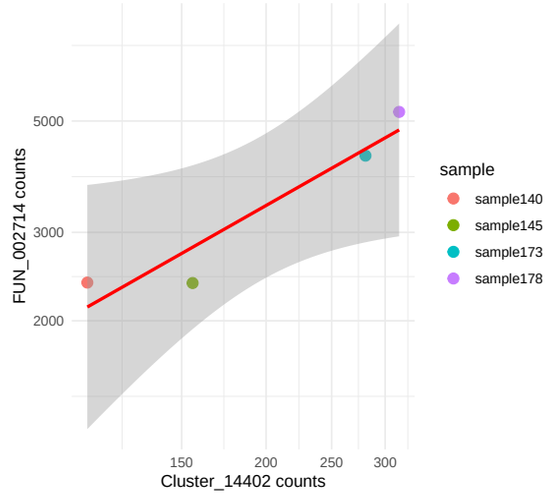
Cluster_14402 vs FUN_002714
Correlation: 0.972 | p−value: 0.028



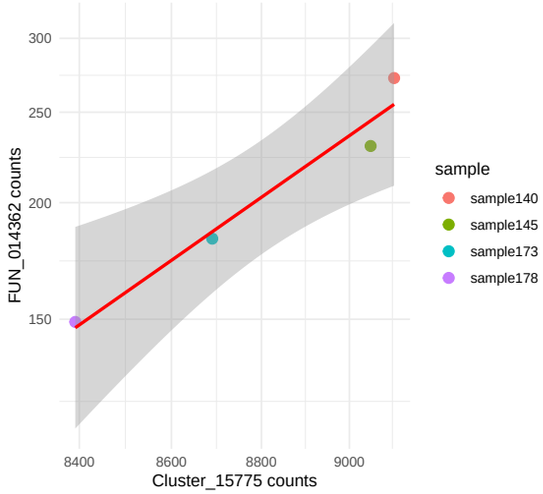
Cluster_15775 vs FUN_014362
Correlation: 0.962 | p−value: 0.0377



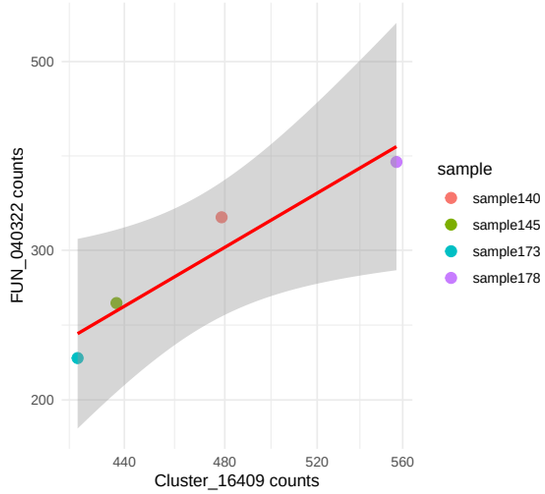
Cluster_16409 vs FUN_040322
Correlation: 0.966 | p−value: 0.0343



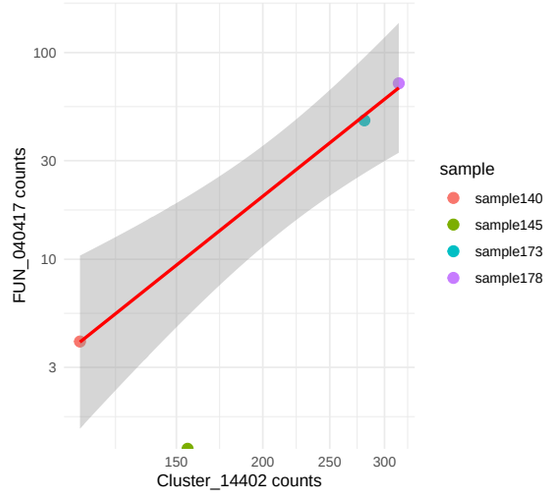
Cluster_14402 vs FUN_040417
Correlation: 0.96 | p−value: 0.0398



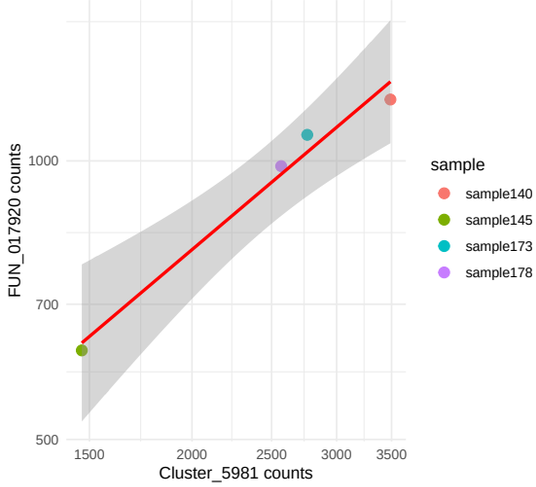
Cluster_5981 vs FUN_017920
Correlation: 0.979 | p−value: 0.0212



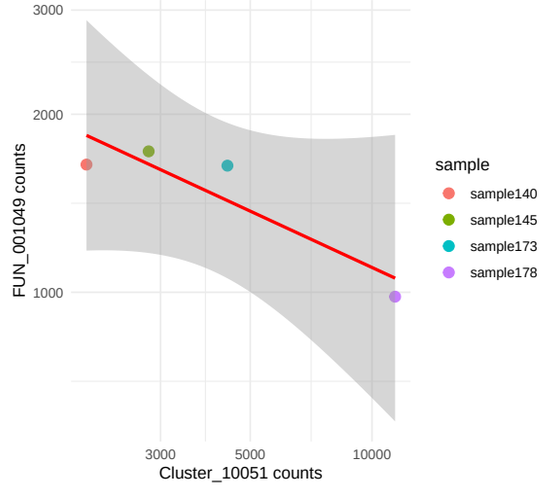
Cluster_10051 vs FUN_001049
Correlation: −0.972 | p−value: 0.0282



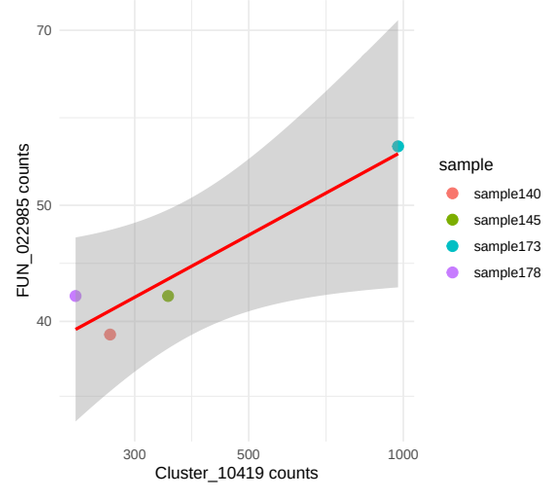
Cluster_10419 vs FUN_022985
Correlation: 0.978 | p−value: 0.0219



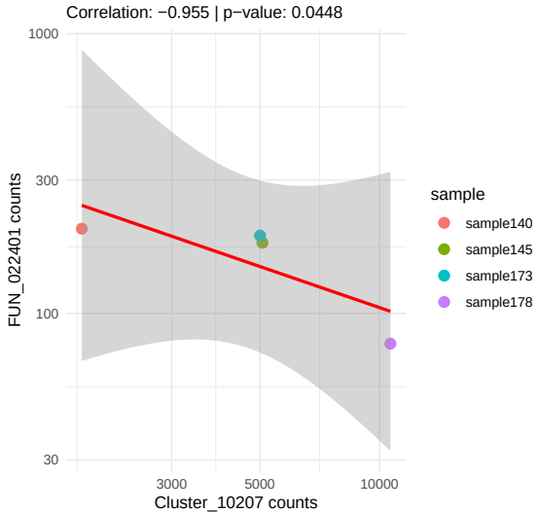
Cluster_10207 vs FUN_022401
Correlation: −0.955 | p−value: 0.0448



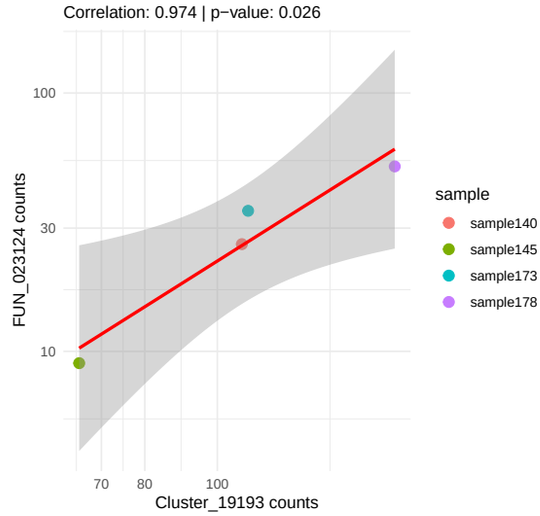
Cluster_19193 vs FUN_023124
Correlation: 0.974 | p−value: 0.026



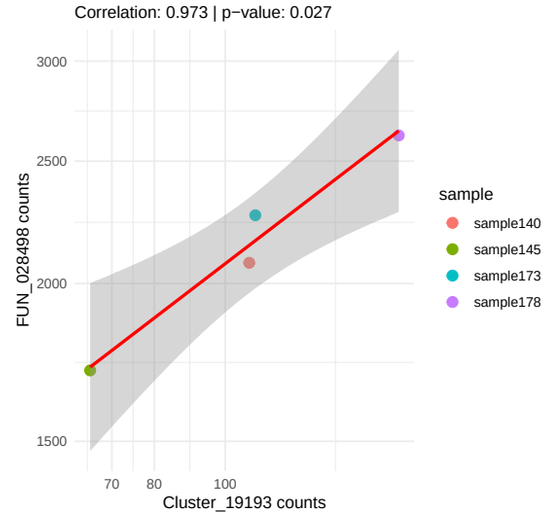
Cluster_19193 vs FUN_028498
Correlation: 0.973 | p−value: 0.027



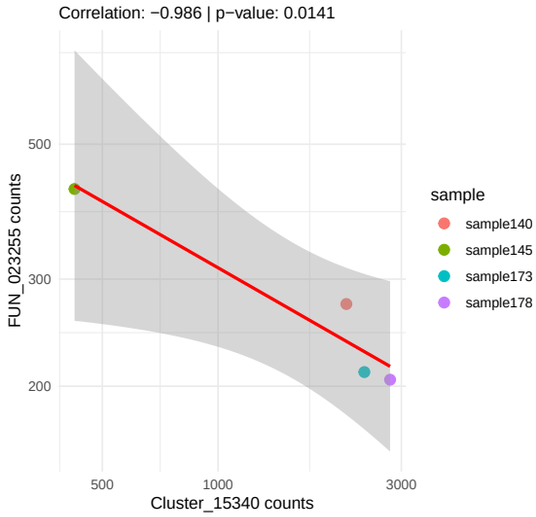
Cluster_15340 vs FUN_023255
Correlation: −0.986 | p−value: 0.0141



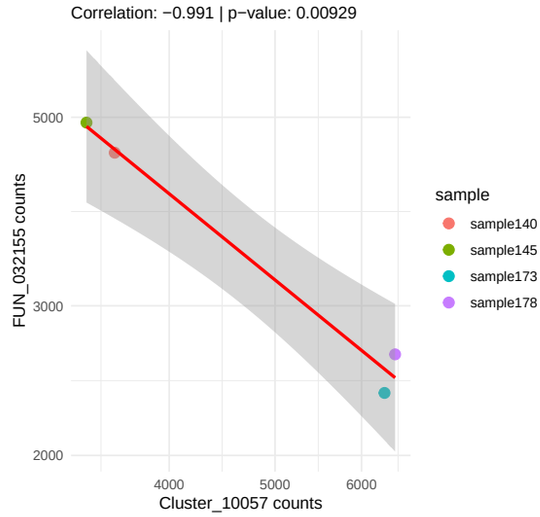
Cluster_10057 vs FUN_032155
Correlation: −0.991 | p−value: 0.00929



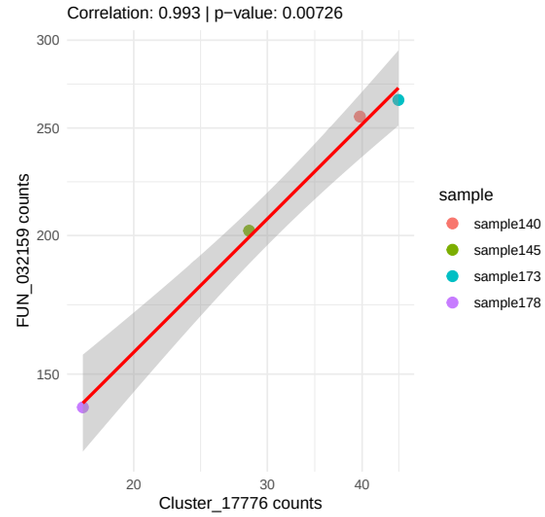
Cluster_17776 vs FUN_032159
Correlation: 0.993 | p−value: 0.00726



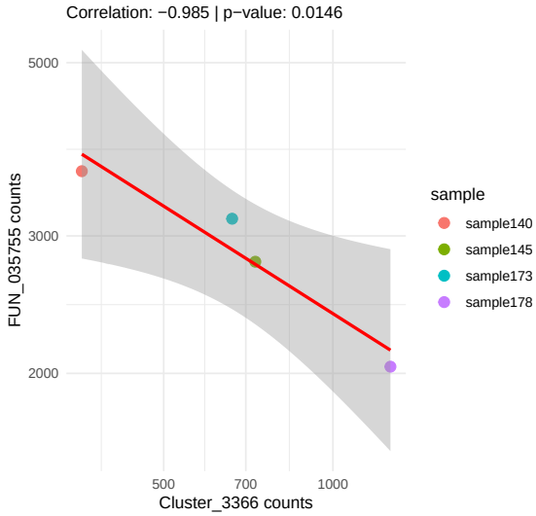
Cluster_3366 vs FUN_035755
Correlation: −0.985 | p−value: 0.0146



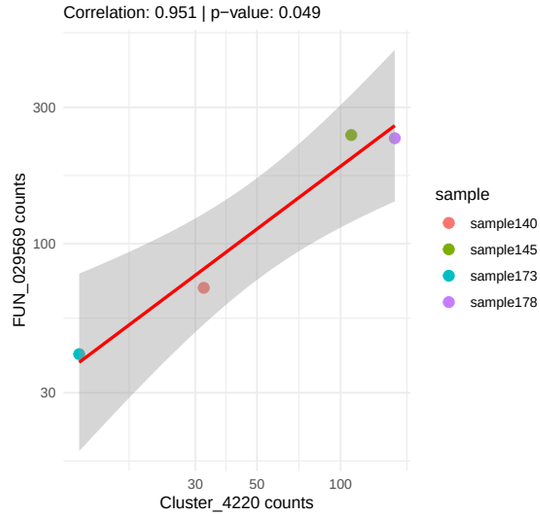
Cluster_4220 vs FUN_029569
Correlation: 0.951 | p−value: 0.049



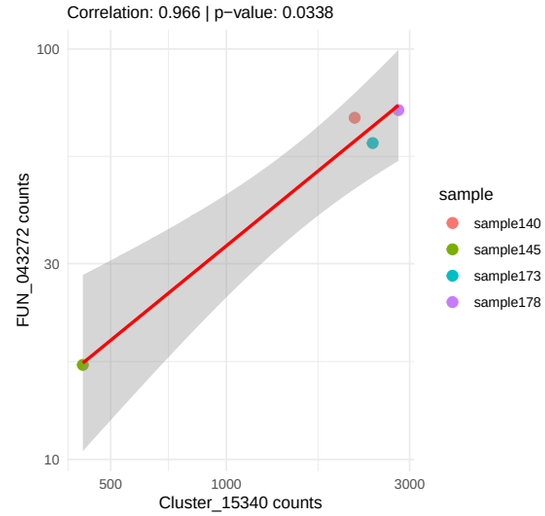
Cluster_15340 vs FUN_043272
Correlation: 0.966 | p−value: 0.0338



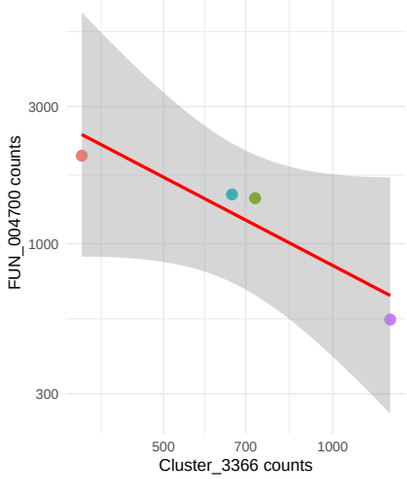
Cluster_3366 vs FUN_004700
Correlation: −0.999 | p−value: 0.00095



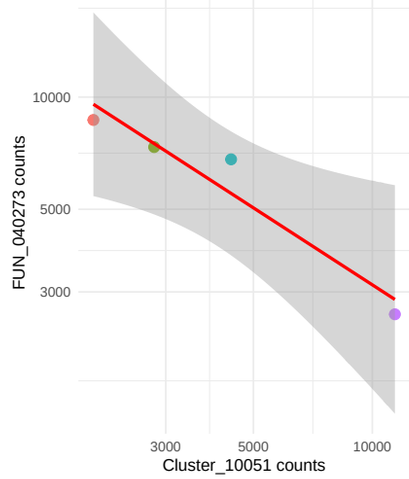
Cluster_10051 vs FUN_040273
Correlation: −0.992 | p−value: 0.0085



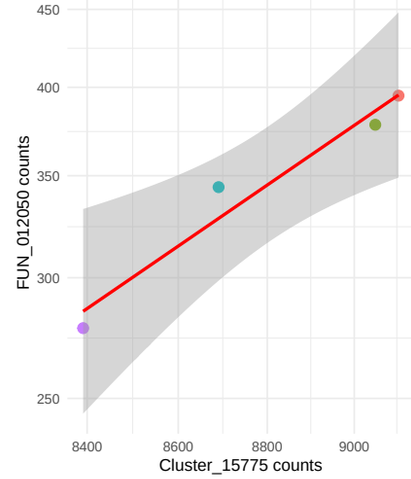
Cluster_15775 vs FUN_012050
Correlation: 0.982 | p−value: 0.0179



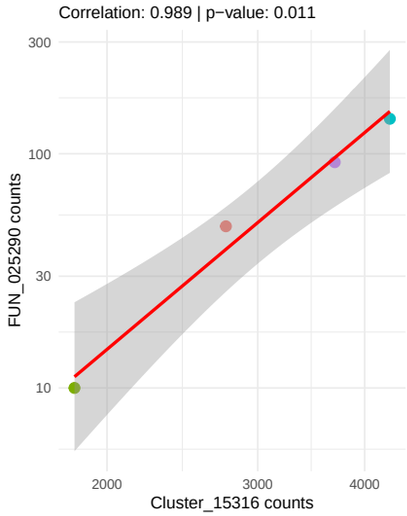
Cluster_15316 vs FUN_025290
Correlation: 0.989 | p−value: 0.011



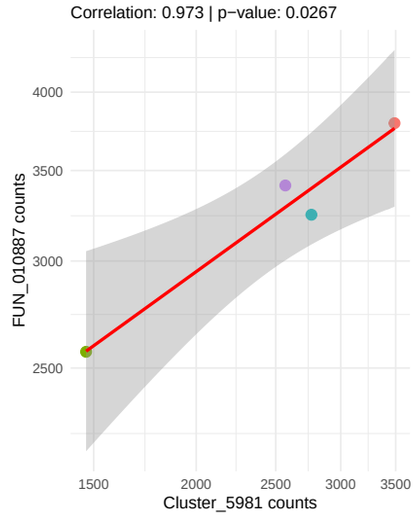
Cluster_5981 vs FUN_010887
Correlation: 0.973 | p−value: 0.0267



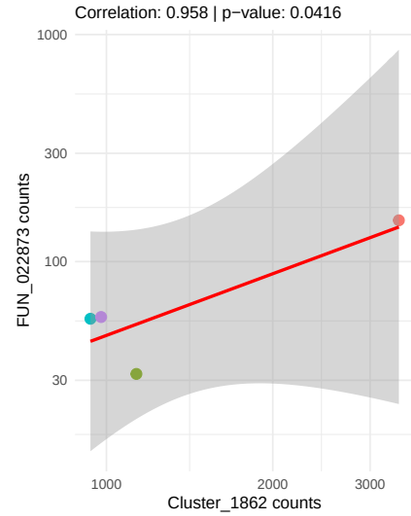
Cluster_1862 vs FUN_022873
Correlation: 0.958 | p−value: 0.0416



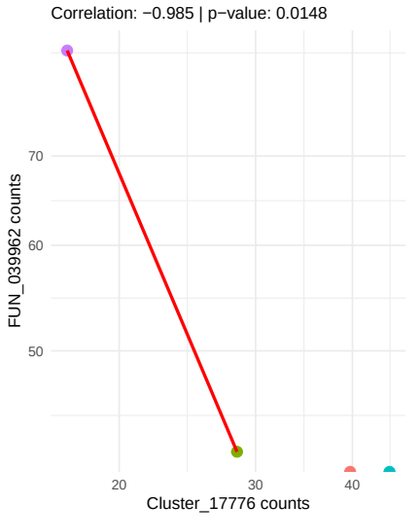
Cluster_17776 vs FUN_039962
Correlation: −0.985 | p−value: 0.0148



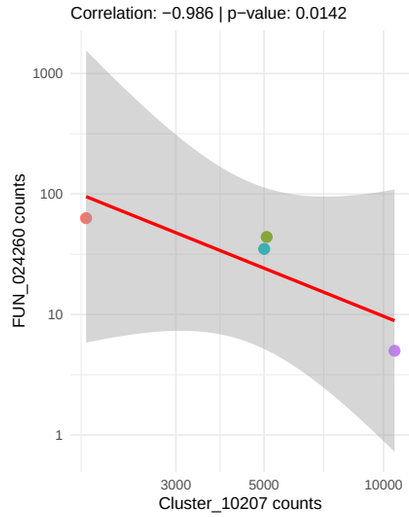
Cluster_10207 vs FUN_024260
Correlation: −0.986 | p−value: 0.0142



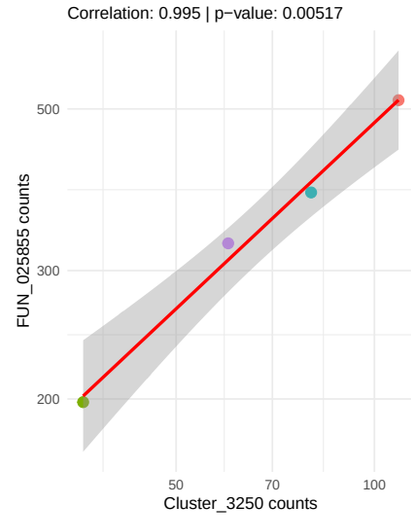
Cluster_3250 vs FUN_025855
Correlation: 0.995 | p−value: 0.00517



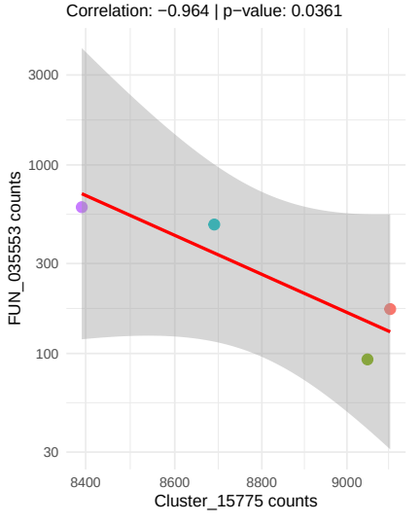
Cluster_15775 vs FUN_035553
Correlation: −0.964 | p−value: 0.0361



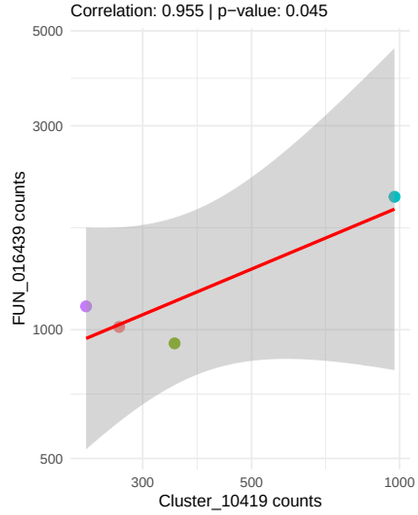
Cluster_10419 vs FUN_016439
Correlation: 0.955 | p−value: 0.045



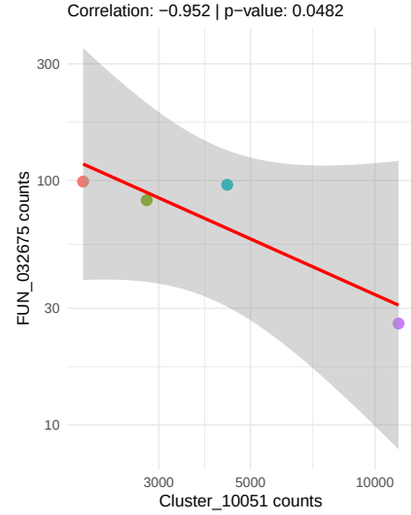
Cluster_10051 vs FUN_032675
Correlation: −0.952 | p−value: 0.0482



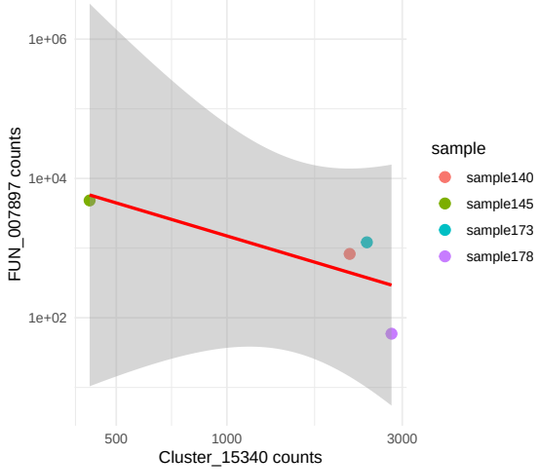
Cluster_15340 vs FUN_007897
Correlation: −0.985 | p−value: 0.0147



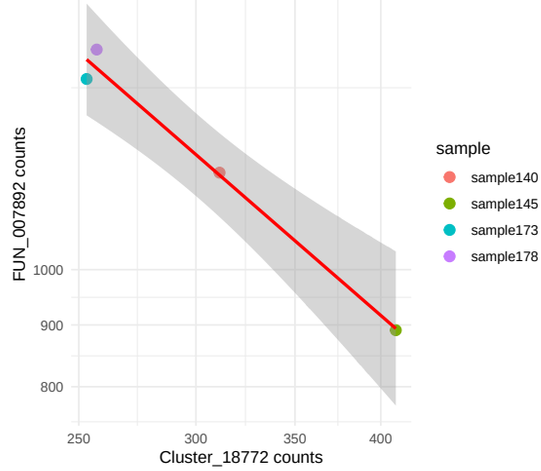
Cluster_18772 vs FUN_007892
Correlation: −0.984 | p−value: 0.0163



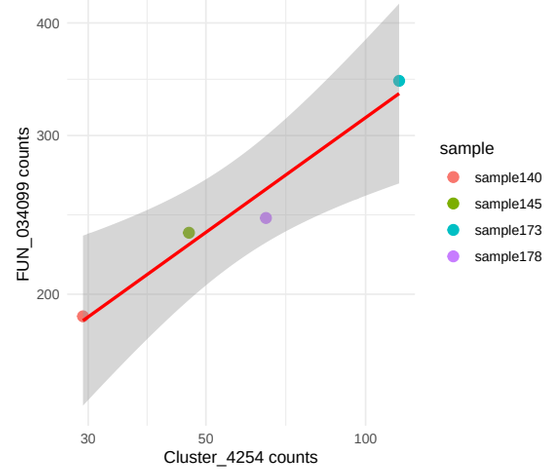
Cluster_4254 vs FUN_034099
Correlation: 0.989 | p−value: 0.0109



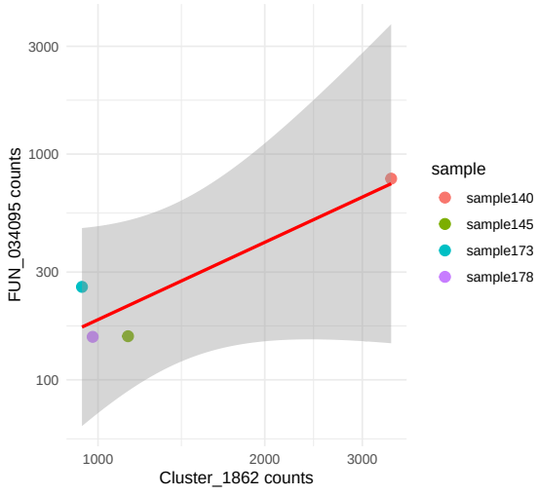
Cluster_1862 vs FUN_034095
Correlation: 0.977 | p−value: 0.0234



Cluster_3367 vs FUN_000564
Correlation: 0.968 | p−value: 0.0321



Cluster_10207 vs FUN_041591
Correlation: −0.996 | p−value: 0.00393



Cluster_4220 vs FUN_035467
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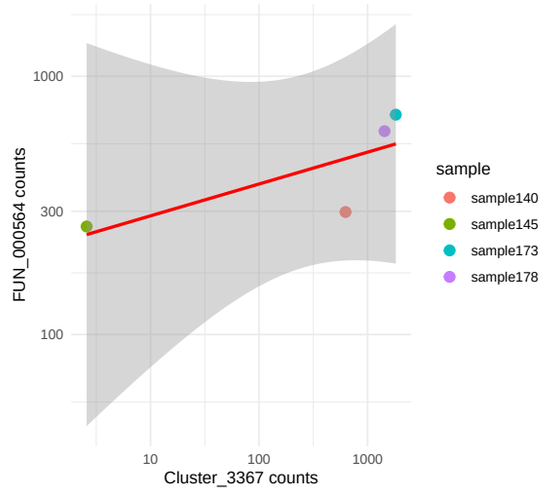
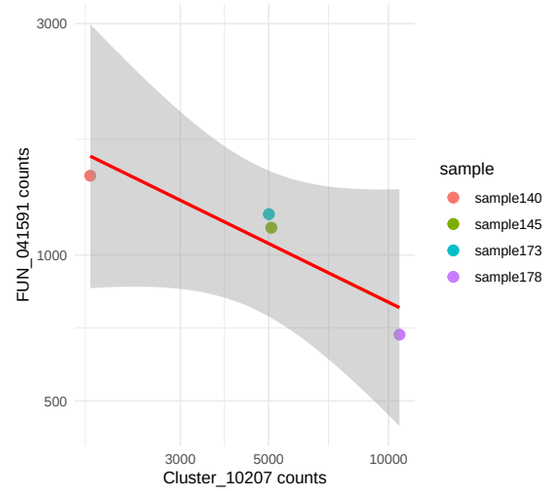
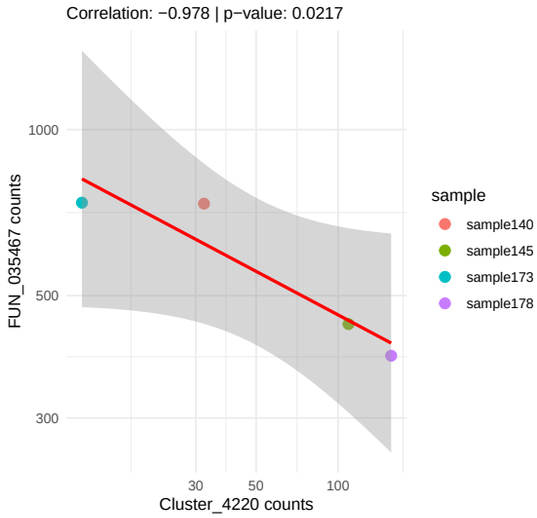


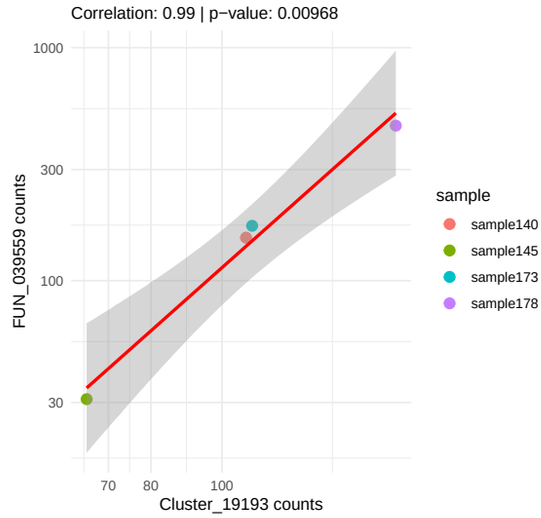
Cluster_19193 vs FUN_039559
Correlation: 0.99 | p−value: 0.00968



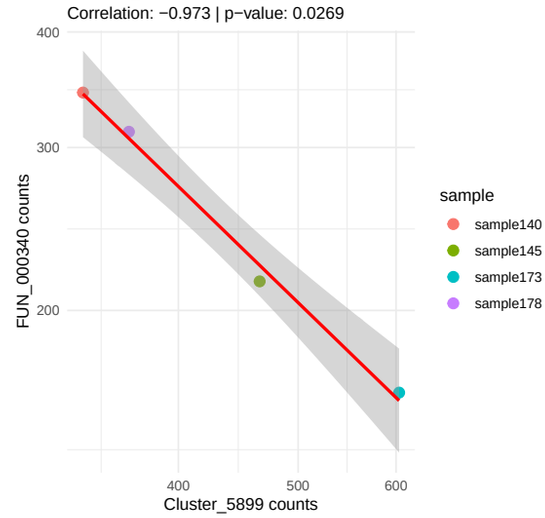
Cluster_5899 vs FUN_000340
Correlation: −0.973 | p−value: 0.0269



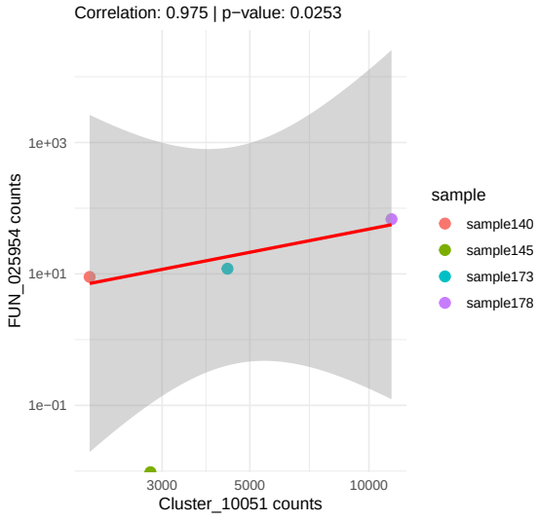
Cluster_10051 vs FUN_025954
Correlation: 0.975 | p−value: 0.0253



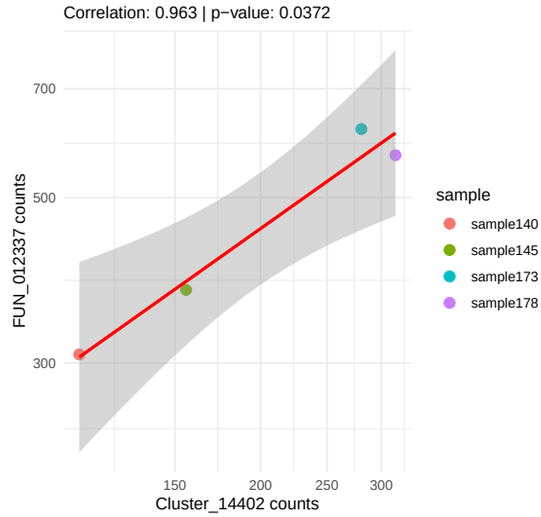
Cluster_14402 vs FUN_012337
Correlation: 0.963 | p−value: 0.0372



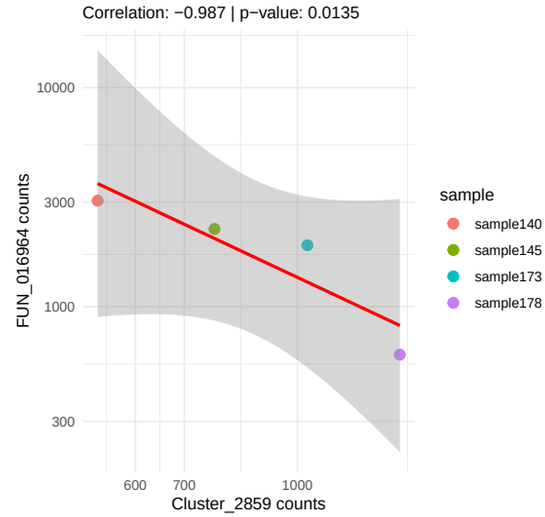
Cluster_2859 vs FUN_016964
Correlation: −0.987 | p−value: 0.0135



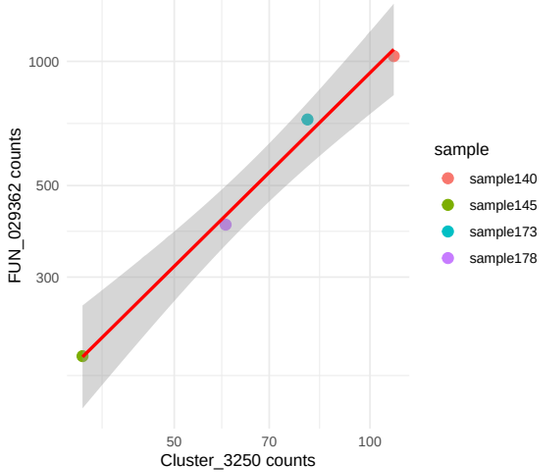
Cluster_3250 vs FUN_029362
Correlation: 0.995 | p−value: 0.00505



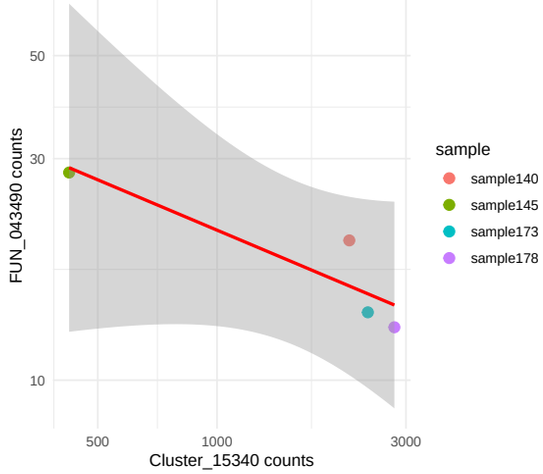
Cluster_15340 vs FUN_043490
Correlation: −0.963 | p−value: 0.0371



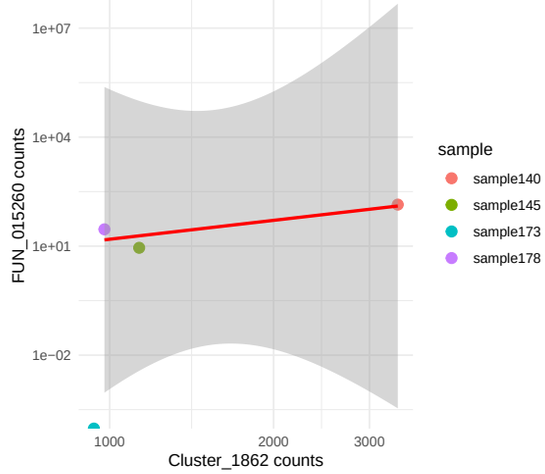
Cluster_1862 vs FUN_015260
Correlation: 0.979 | p−value: 0.0206



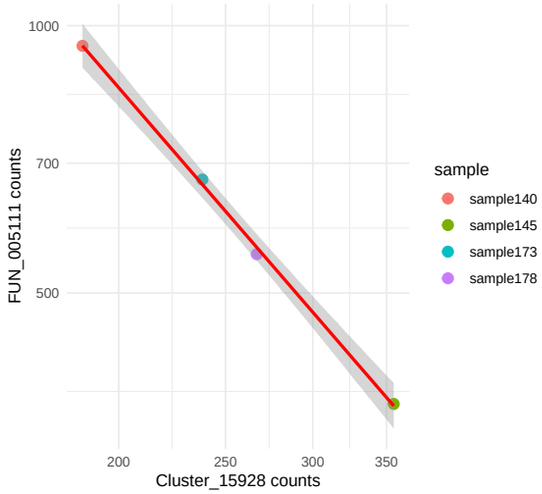
Cluster_15928 vs FUN_005111
Correlation: −0.964 | p−value: 0.0356



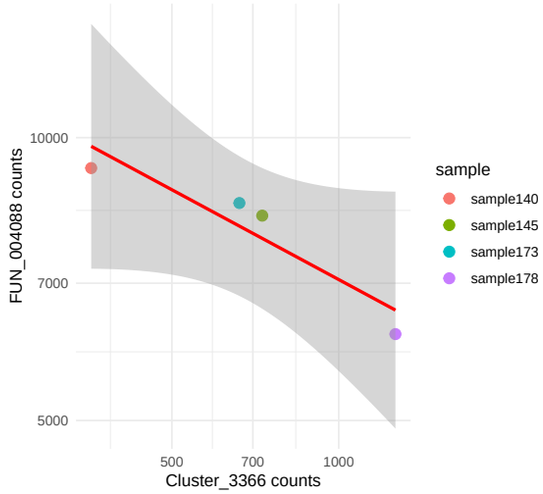
Cluster_3366 vs FUN_004088
Correlation: −0.994 | p−value: 0.00627



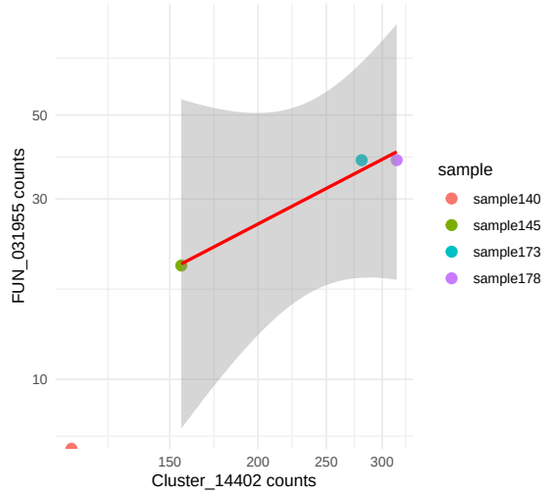
Cluster_14402 vs FUN_031955
Correlation: 0.954 | p−value: 0.0458



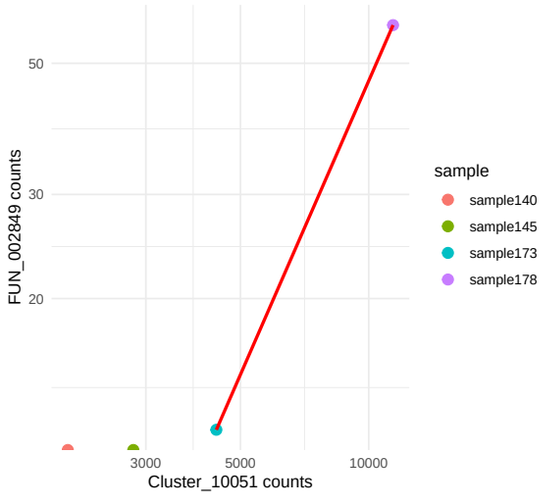
Cluster_10051 vs FUN_002849
Correlation: 0.997 | p−value: 0.00329



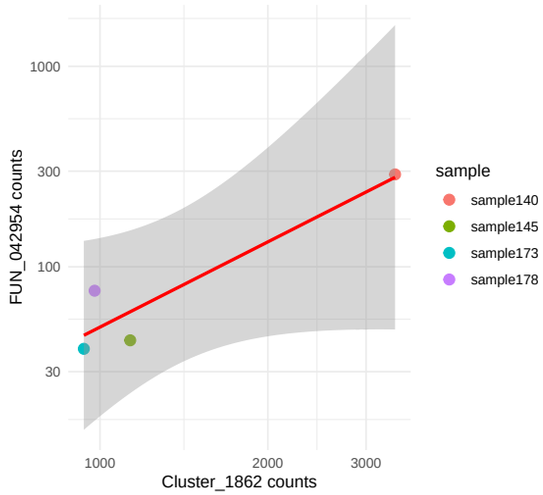
Cluster_1862 vs FUN_042954
Correlation: 0.986 | p−value: 0.0144



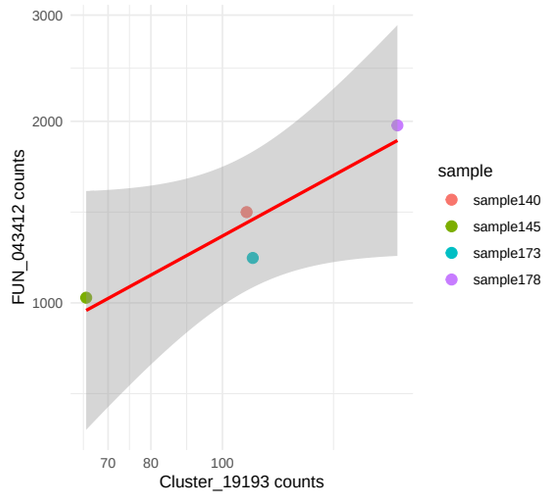
Cluster_19193 vs FUN_043412
Correlation: 0.959 | p−value: 0.0407



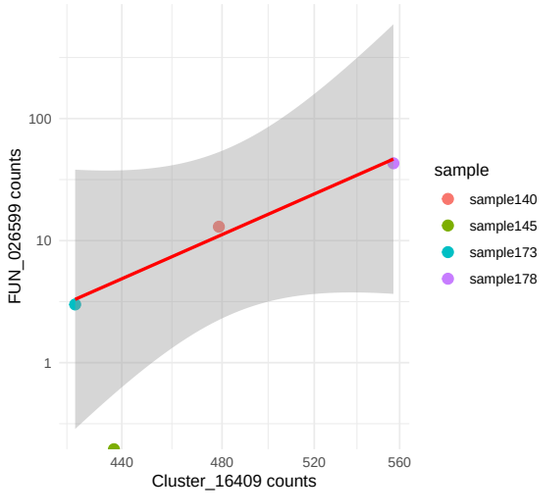
Cluster_16409 vs FUN_026599
Correlation: 0.981 | p−value: 0.0193



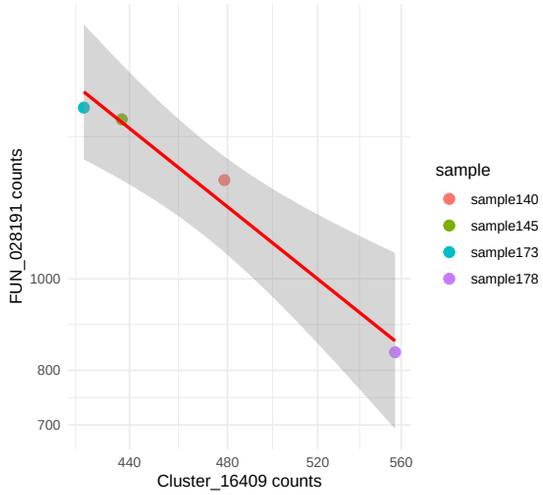
Cluster_16409 vs FUN_028191
Correlation: −0.998 | p−value: 0.00198



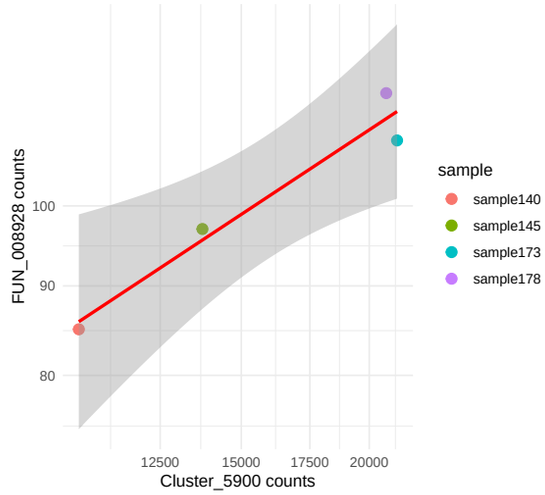
Cluster_5900 vs FUN_008928
Correlation: 0.962 | p−value: 0.038



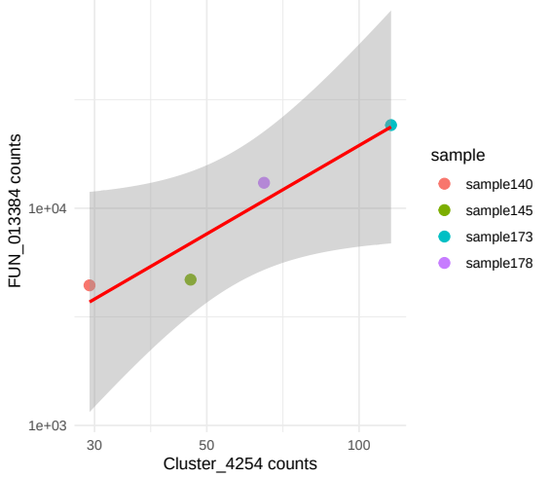
Cluster_4254 vs FUN_013384
Correlation: 0.98 | p−value: 0.0199



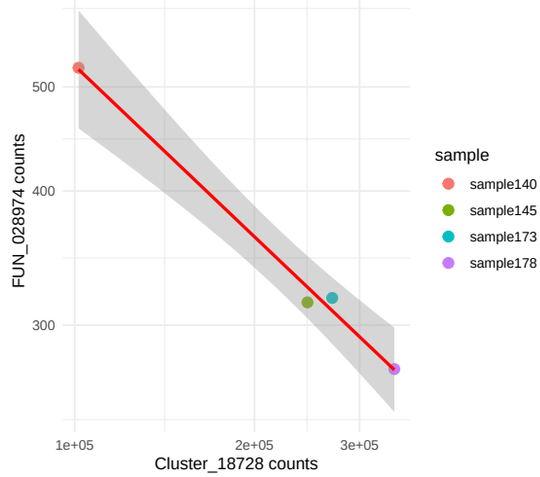
Cluster_18728 vs FUN_028974
Correlation: −0.969 | p−value: 0.0313



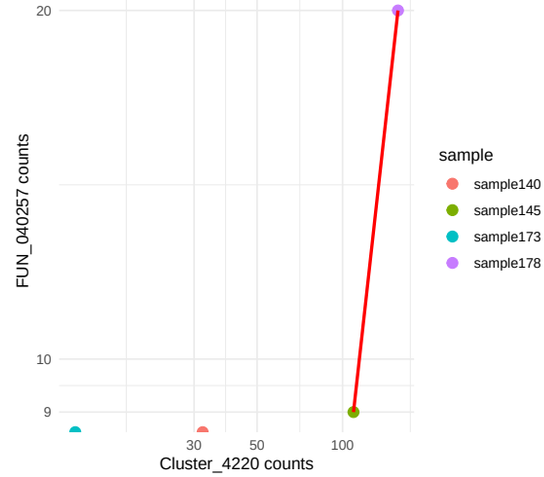
Cluster_4220 vs FUN_040257
Correlation: 0.972 | p−value: 0.0275



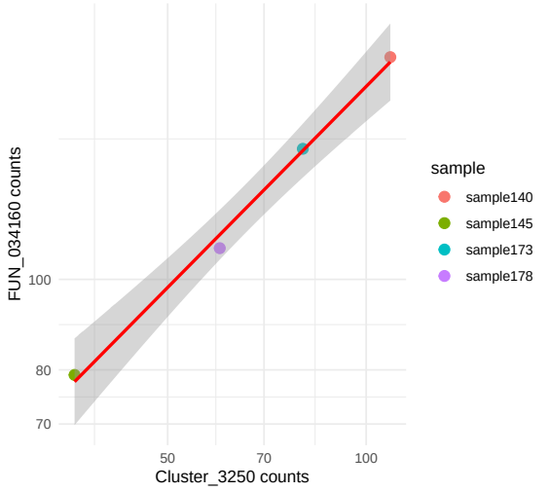
Cluster_3250 vs FUN_034160
Correlation: 0.999 | p−value: 0.000726



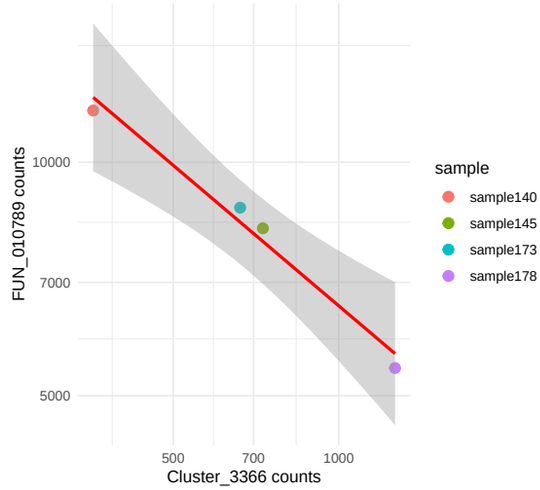
Cluster_3366 vs FUN_010789
Correlation: −0.981 | p−value: 0.0189



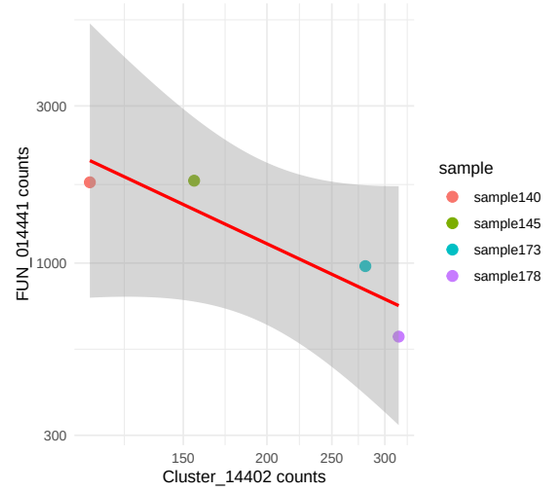
Cluster_14402 vs FUN_014441
Correlation: −0.971 | p−value: 0.0294



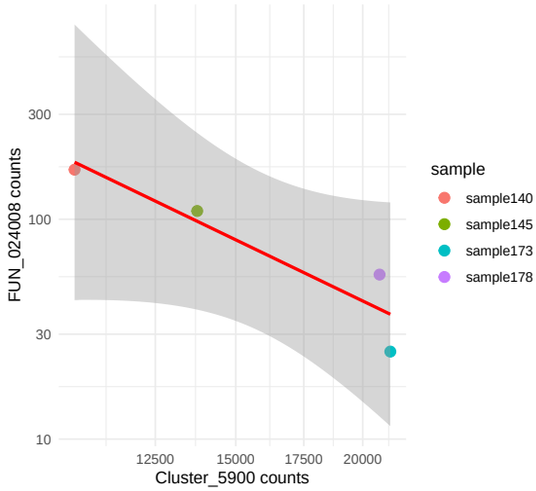
Cluster_5900 vs FUN_024008
Correlation: −0.976 | p−value: 0.0237



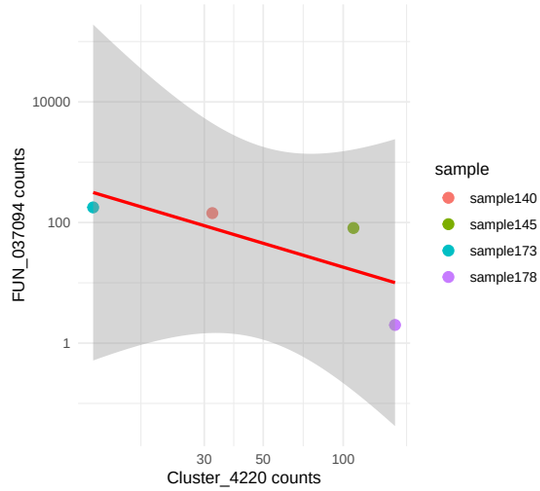
Cluster_4220 vs FUN_037094
Correlation: −0.988 | p−value: 0.0122



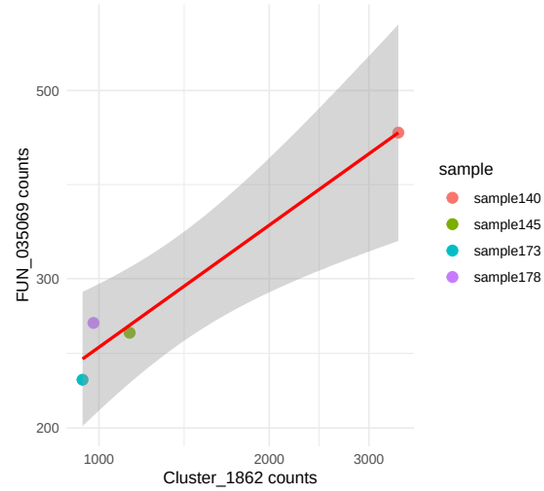
Cluster_1862 vs FUN_035069
Correlation: 0.99 | p−value: 0.0103



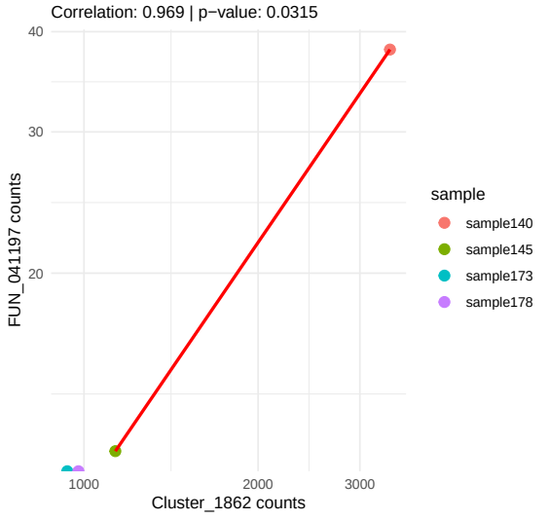
Cluster_1862 vs FUN_041197
Correlation: 0.969 | p−value: 0.0315



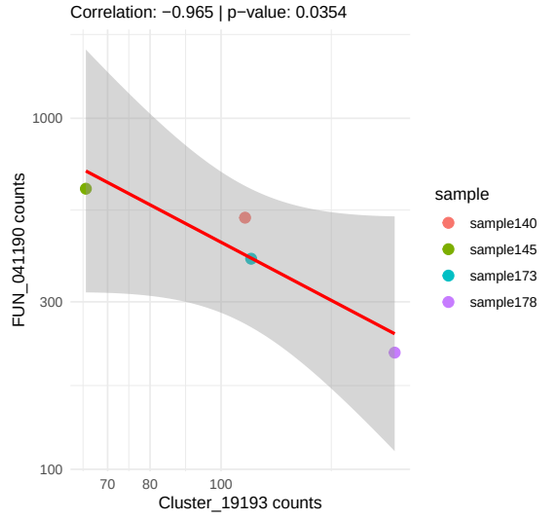
Cluster_19193 vs FUN_041190
Correlation: −0.965 | p−value: 0.0354



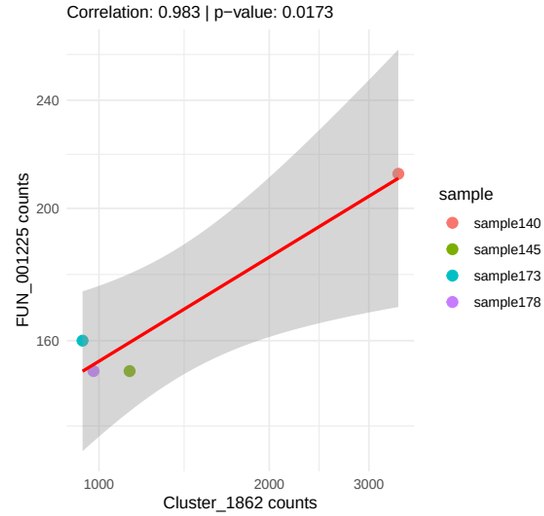
Cluster_1862 vs FUN_001225
Correlation: 0.983 | p−value: 0.0173



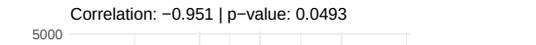
Cluster_10419 vs FUN_024475
Correlation: 0.964 | p−value: 0.0356

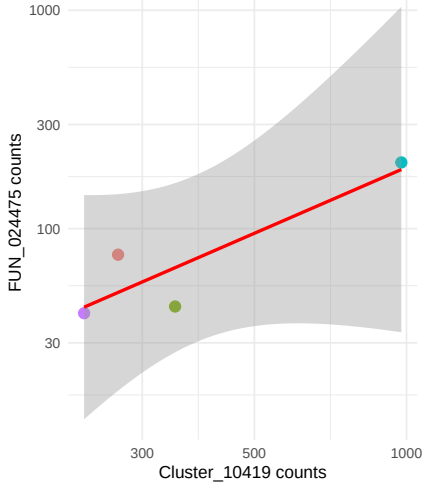


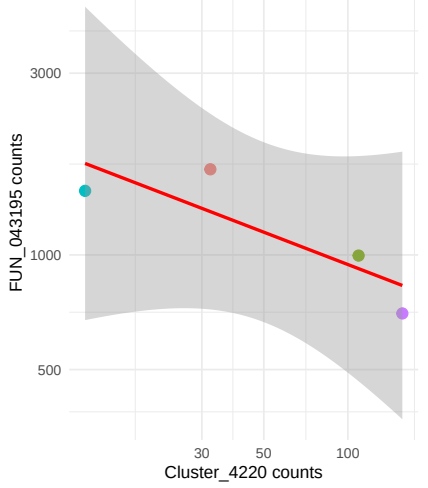
Cluster_4220 vs FUN_043195
Correlation: −0.951 | p−value: 0.0493

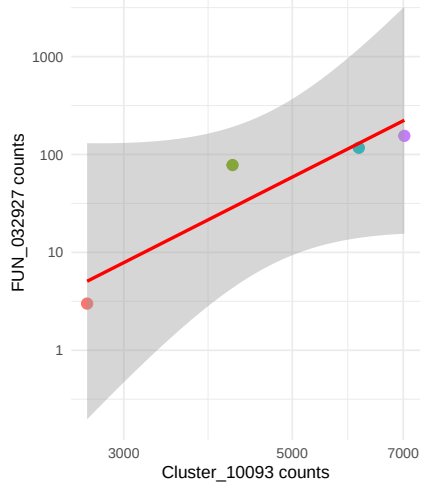


Cluster_10093 vs FUN_032927
Correlation: 0.983 | p−value: 0.0173

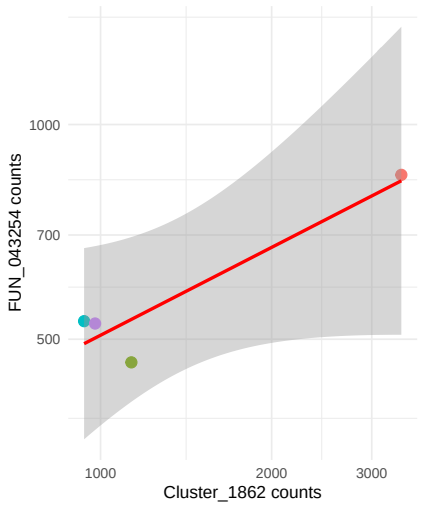




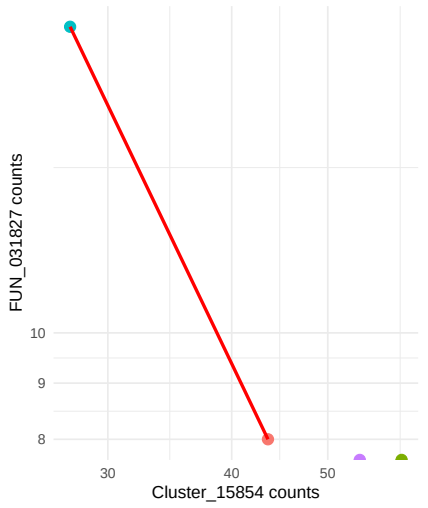




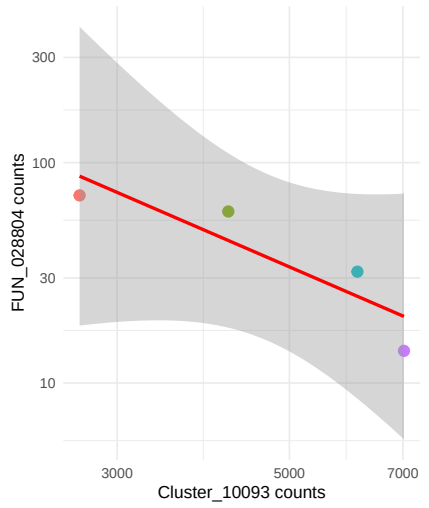
Cluster_1862 vs FUN_043254
Correlation: 0.97 | p−value: 0.0299



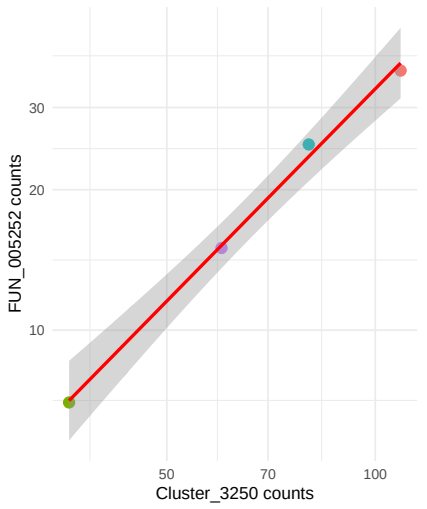
Cluster_15854 vs FUN_031827
Correlation: −0.987 | p−value: 0.0133



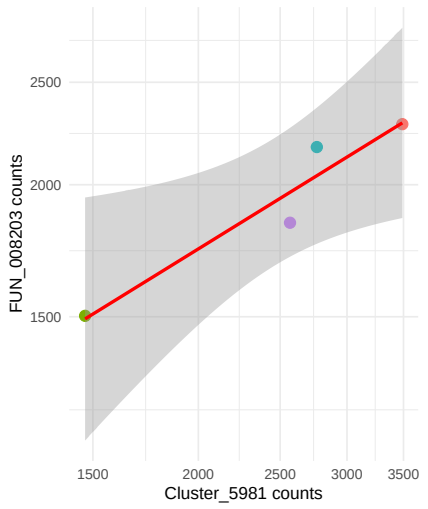
Cluster_10093 vs FUN_028804
Correlation: −0.986 | p−value: 0.014



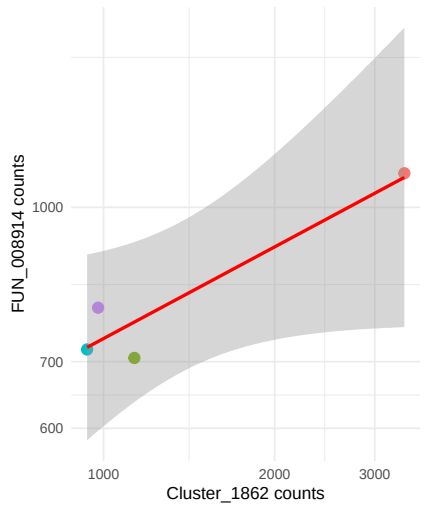
Cluster_3250 vs FUN_005252
Correlation: 0.998 | p−value: 0.00216



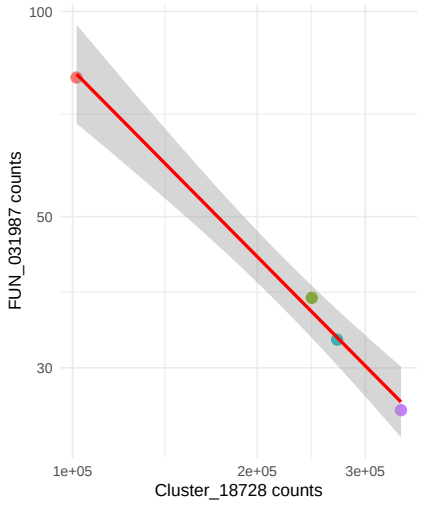
Cluster_5981 vs FUN_008203
Correlation: 0.953 | p−value: 0.0465



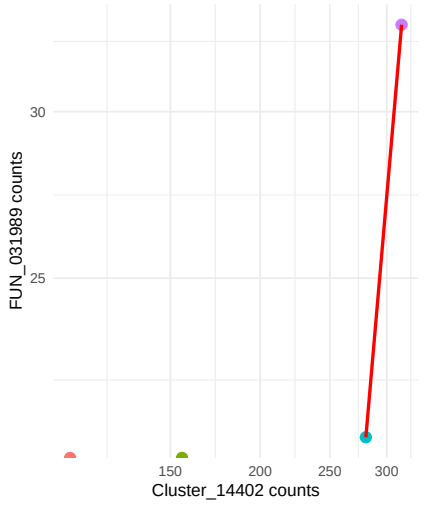
Cluster_1862 vs FUN_008914
Correlation: 0.967 | p−value: 0.0335



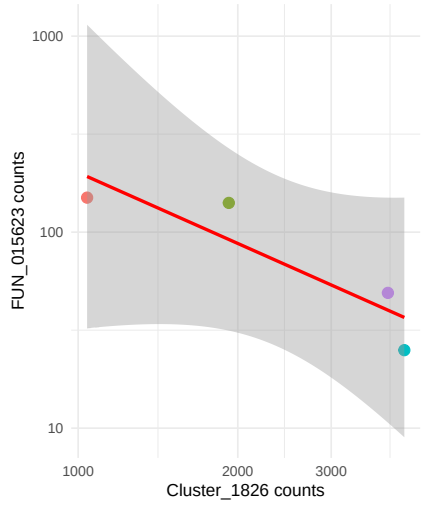
Cluster_18728 vs FUN_031987
Correlation: −0.975 | p−value: 0.0252



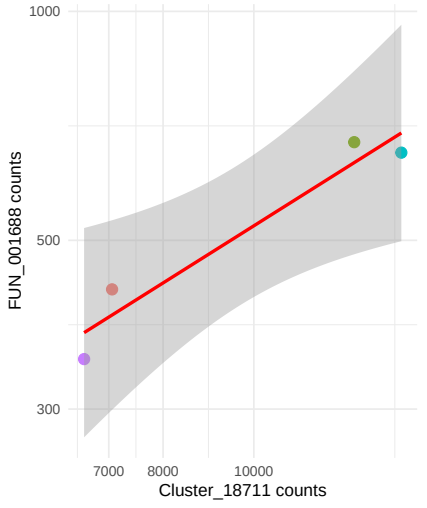
Cluster_14402 vs FUN_031989
Correlation: 0.968 | p−value: 0.0317



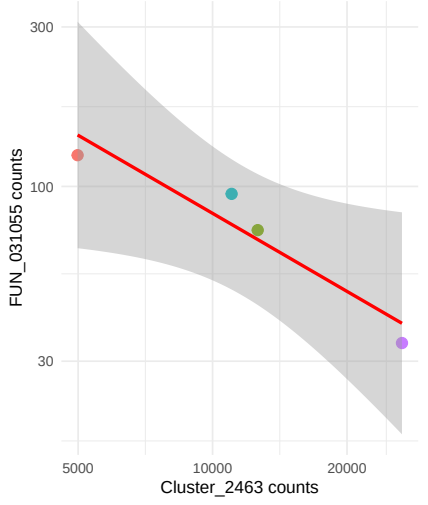
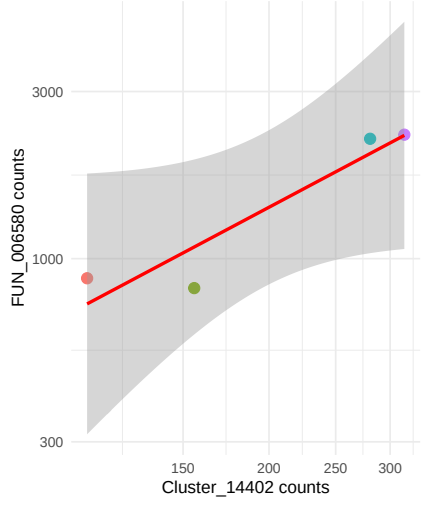
Cluster_1826 vs FUN_015623
Correlation: −0.98 | p−value: 0.0201



Cluster_18711 vs FUN_001688
Correlation: 0.964 | p−value: 0.0359



Cluster_2463 vs FUN_031055
Correlation: −0.974 | p−value: 0.0258



Cluster_14402 vs FUN_006580
Correlation: 0.969 | p−value: 0.0314