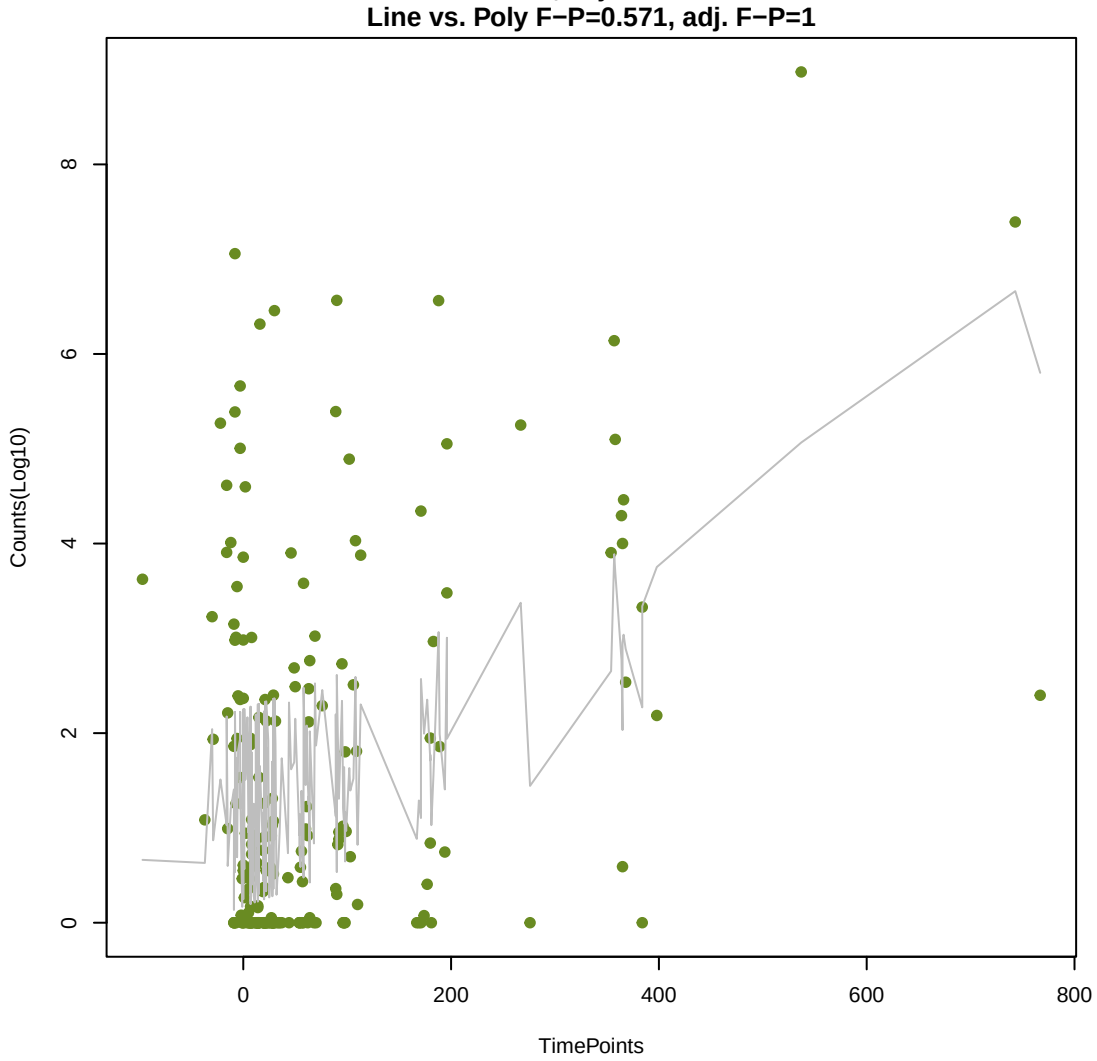
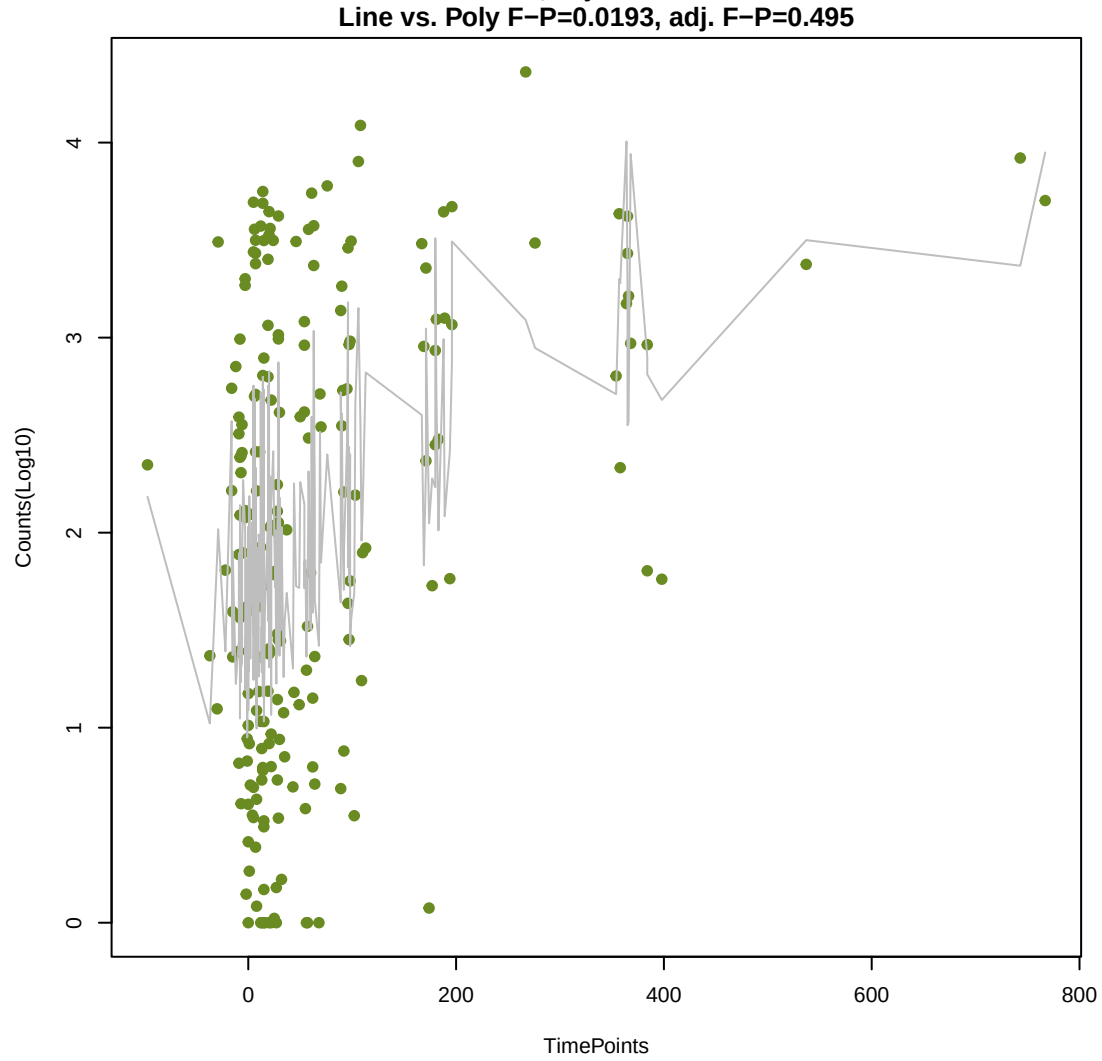
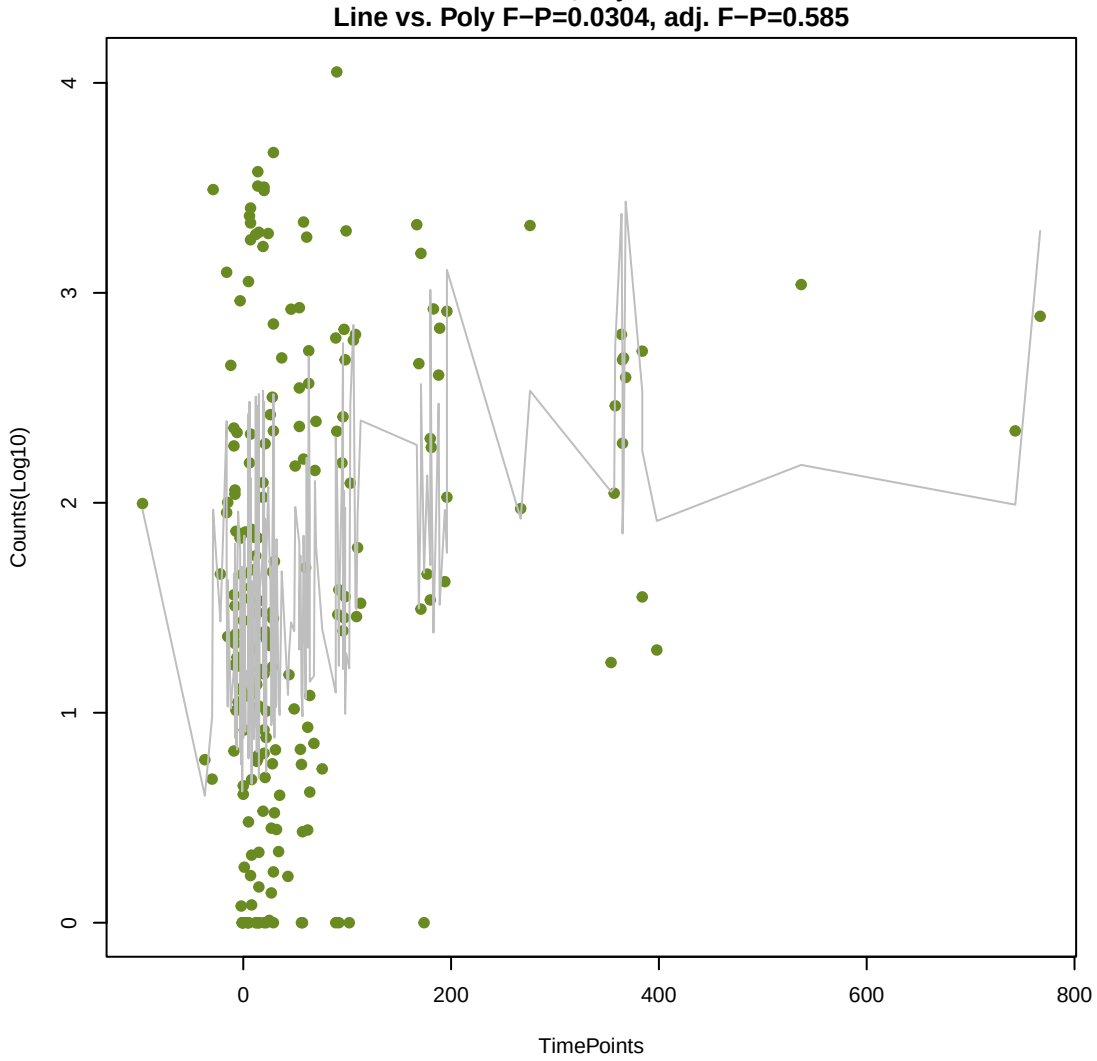
APH(2")
ANOVA P=5.26e−07, adj. ANOVA−P=3.85e−05
Line vs. Poly F−P=0.571, adj. F−P=1



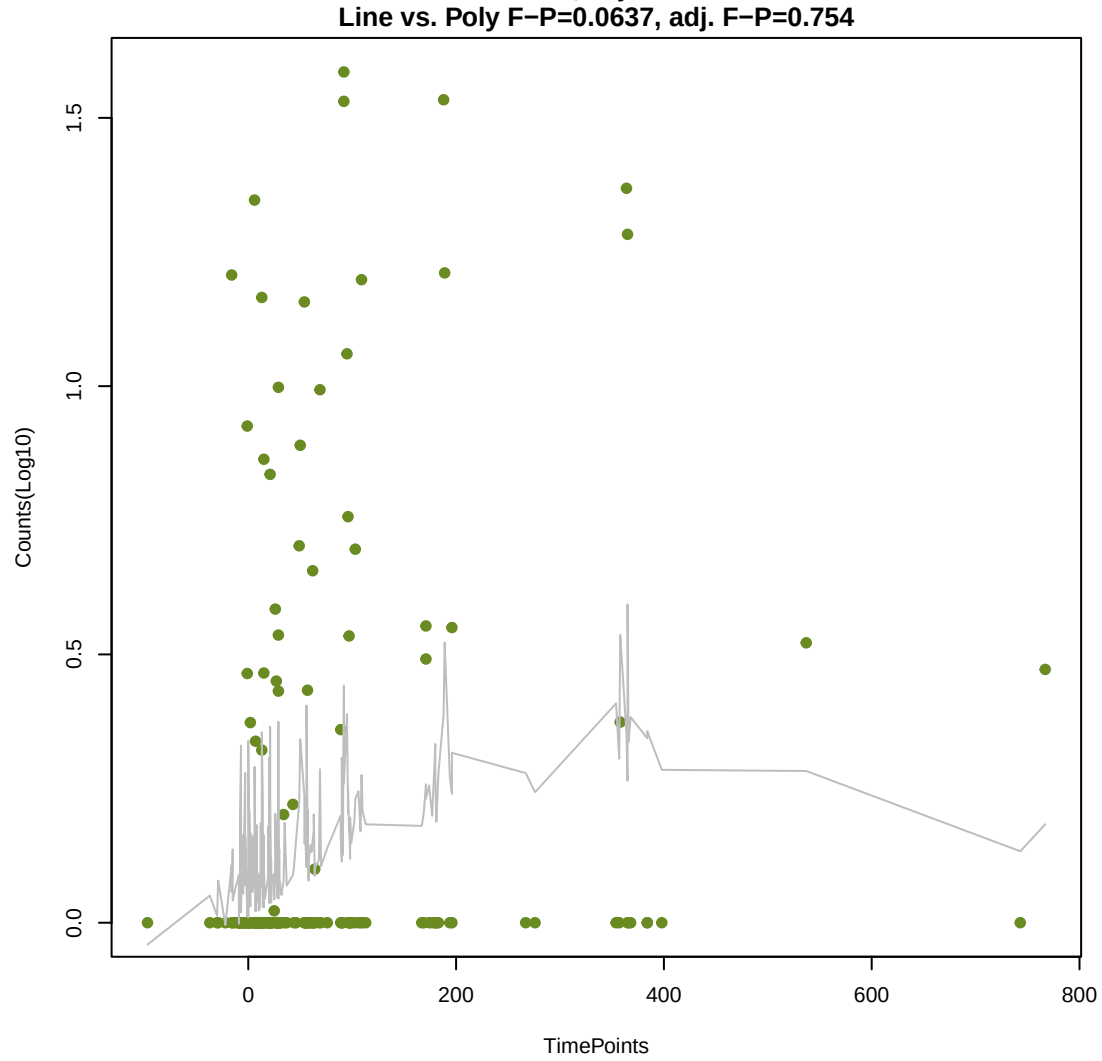
APH(3')
ANOVA P=1e−06, adj. ANOVA−P=3.85e−05
Line vs. Poly F−P=0.0193, adj. F−P=0.495



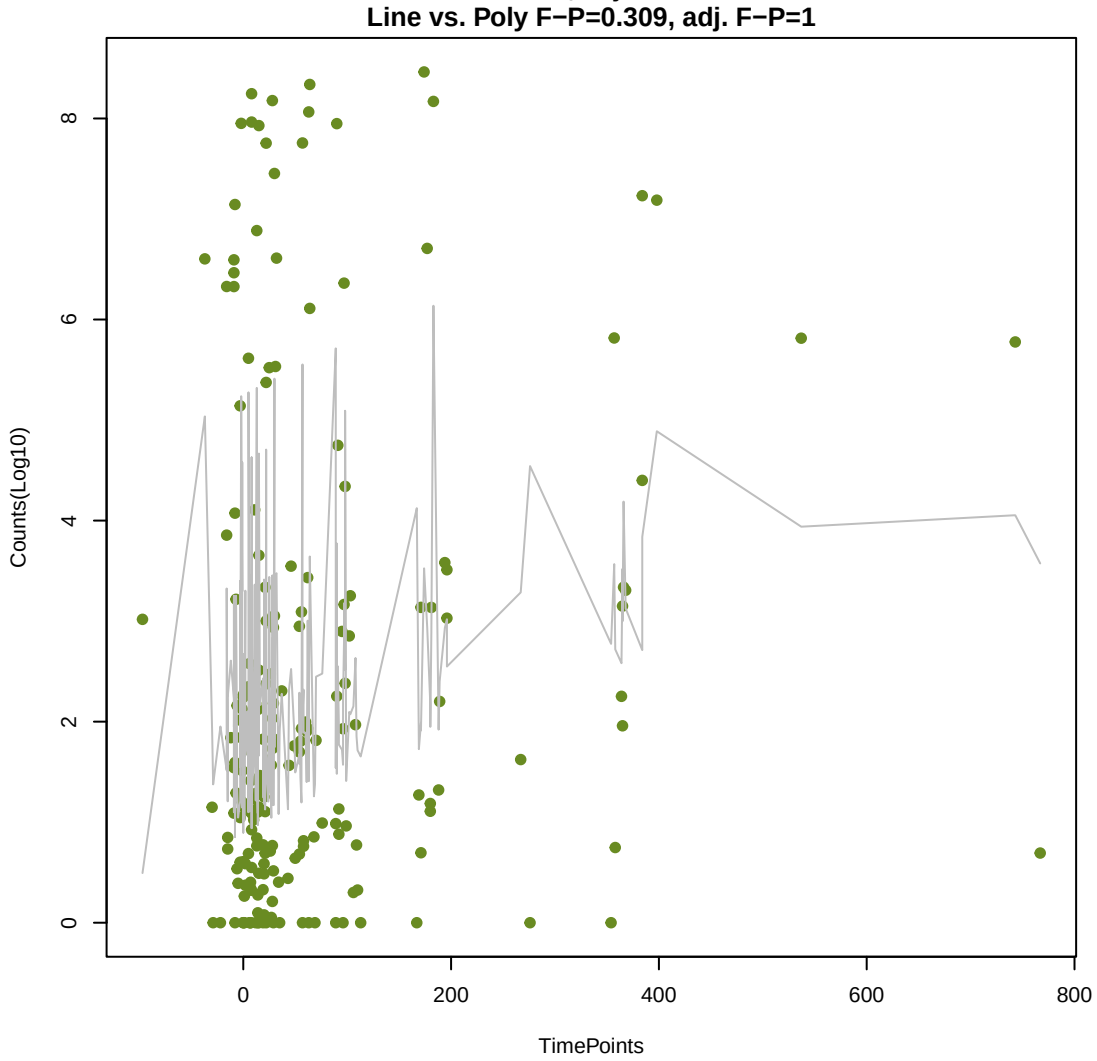
streptothricin acetyltransferase (SAT)
ANOVA P=3.51e−05, adj. ANOVA−P=9e−04
Line vs. Poly F−P=0.0304, adj. F−P=0.585



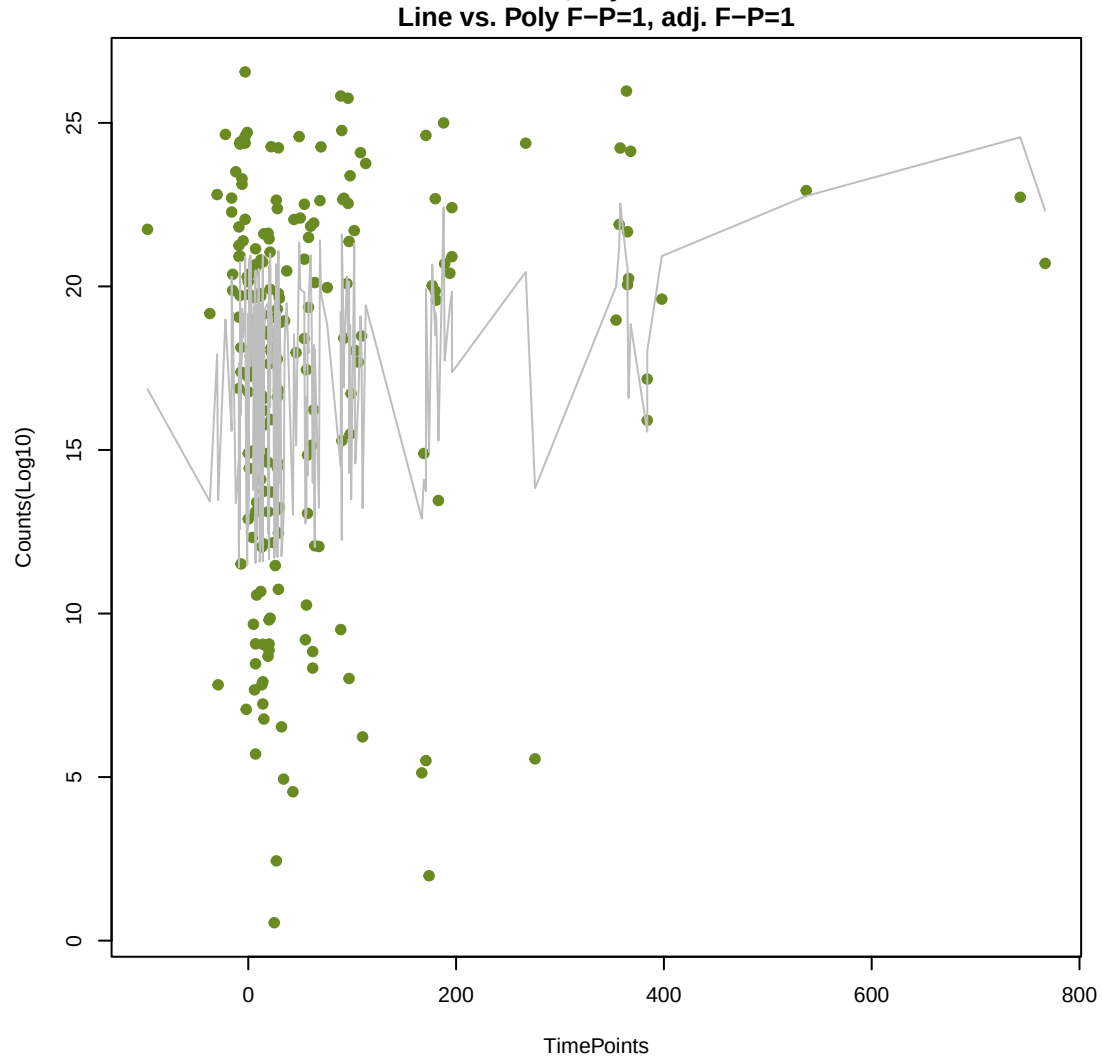
tunicamycin resistance protein
ANOVA P=0.00733, adj. ANOVA−P=0.117
Line vs. Poly F−P=0.0637, adj. F−P=0.754

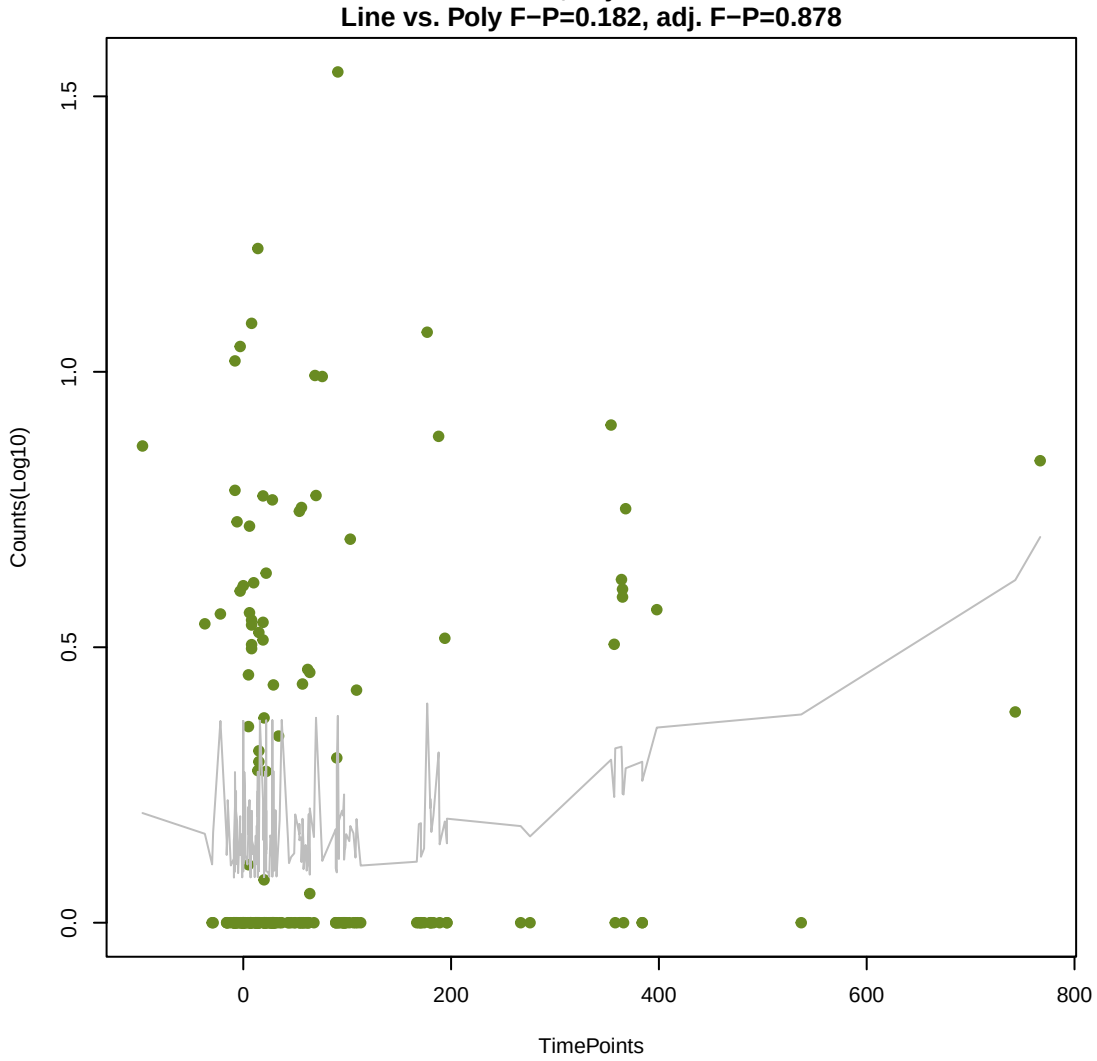


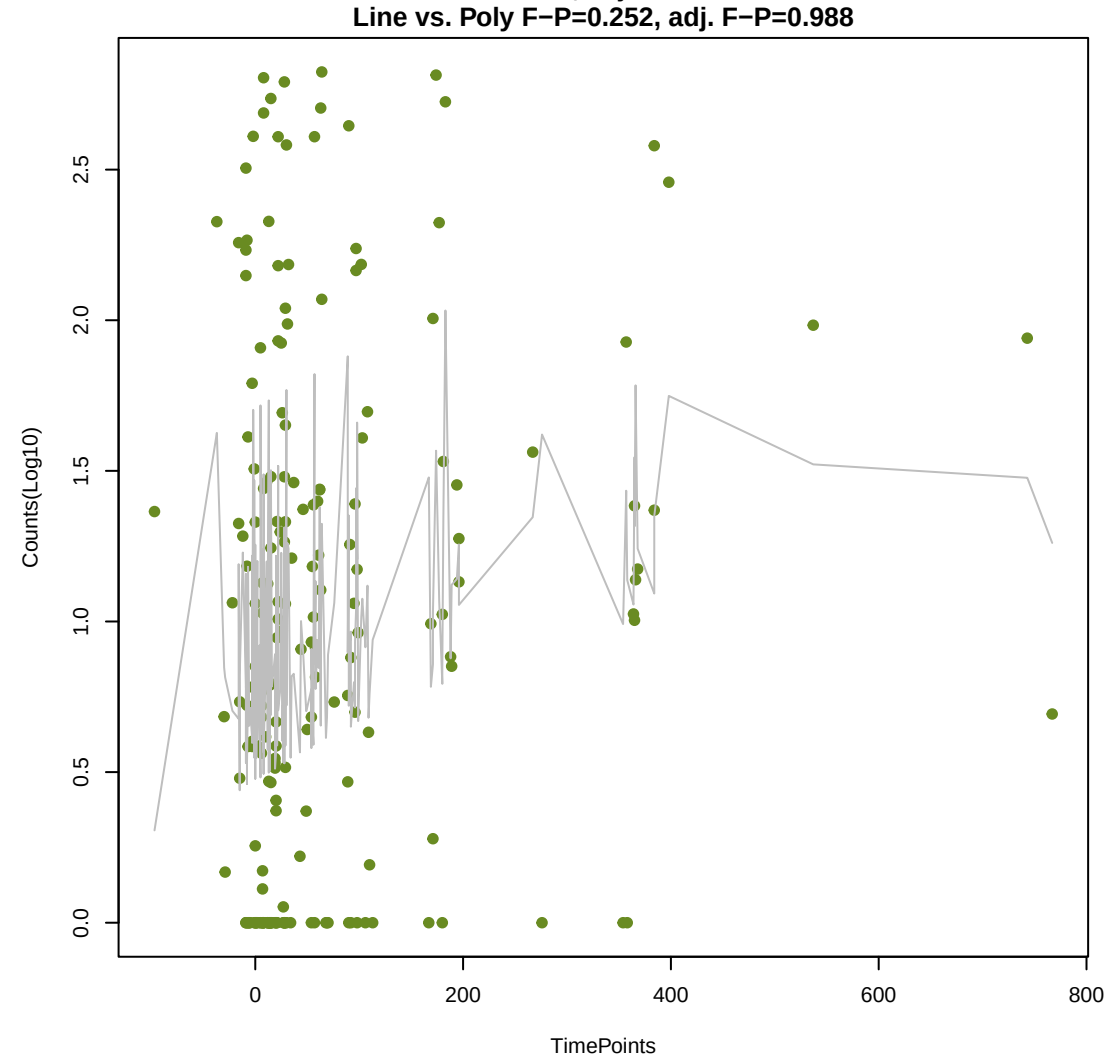
itator superfamily (MFS) antibiotic efflux pump;resistance−nodulation−cell division (RND) a
ANOVA P=0.00758, adj. ANOVA−P=0.117
Line vs. Poly F−P=0.309, adj. F−P=1

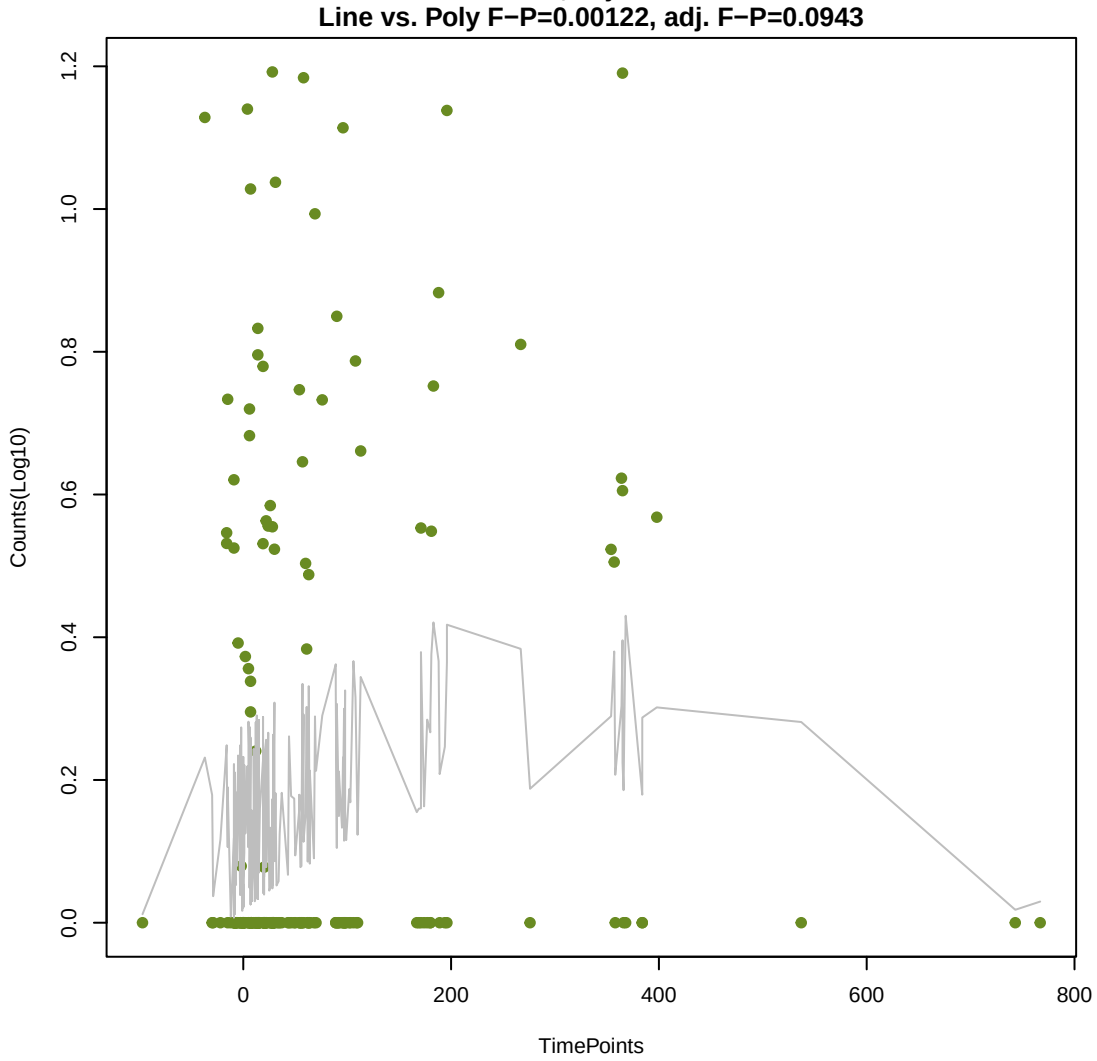


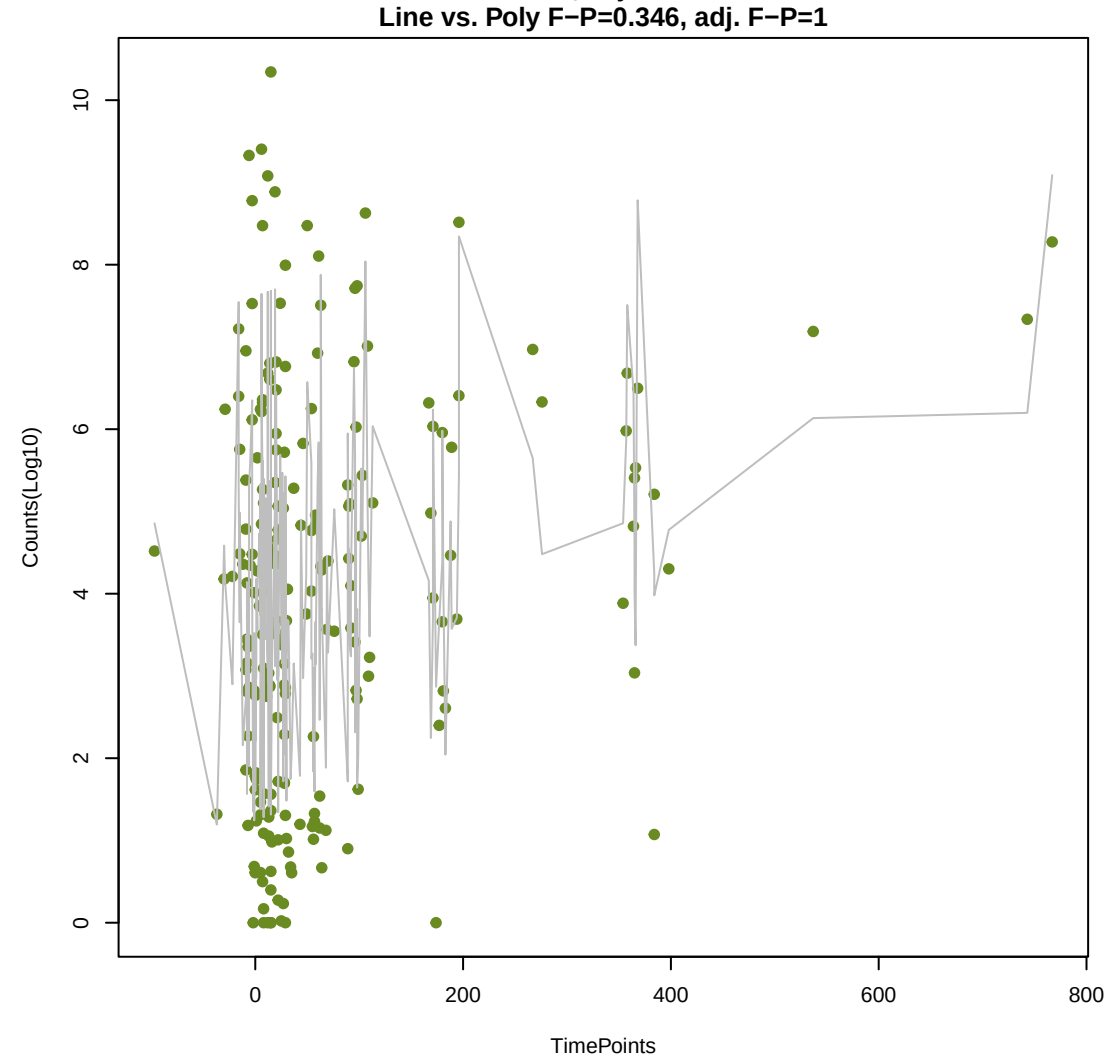
tetracycline−resistant ribosomal protection protein
ANOVA P=0.0124, adj. ANOVA−P=0.158
Line vs. Poly F−P=1, adj. F−P=1

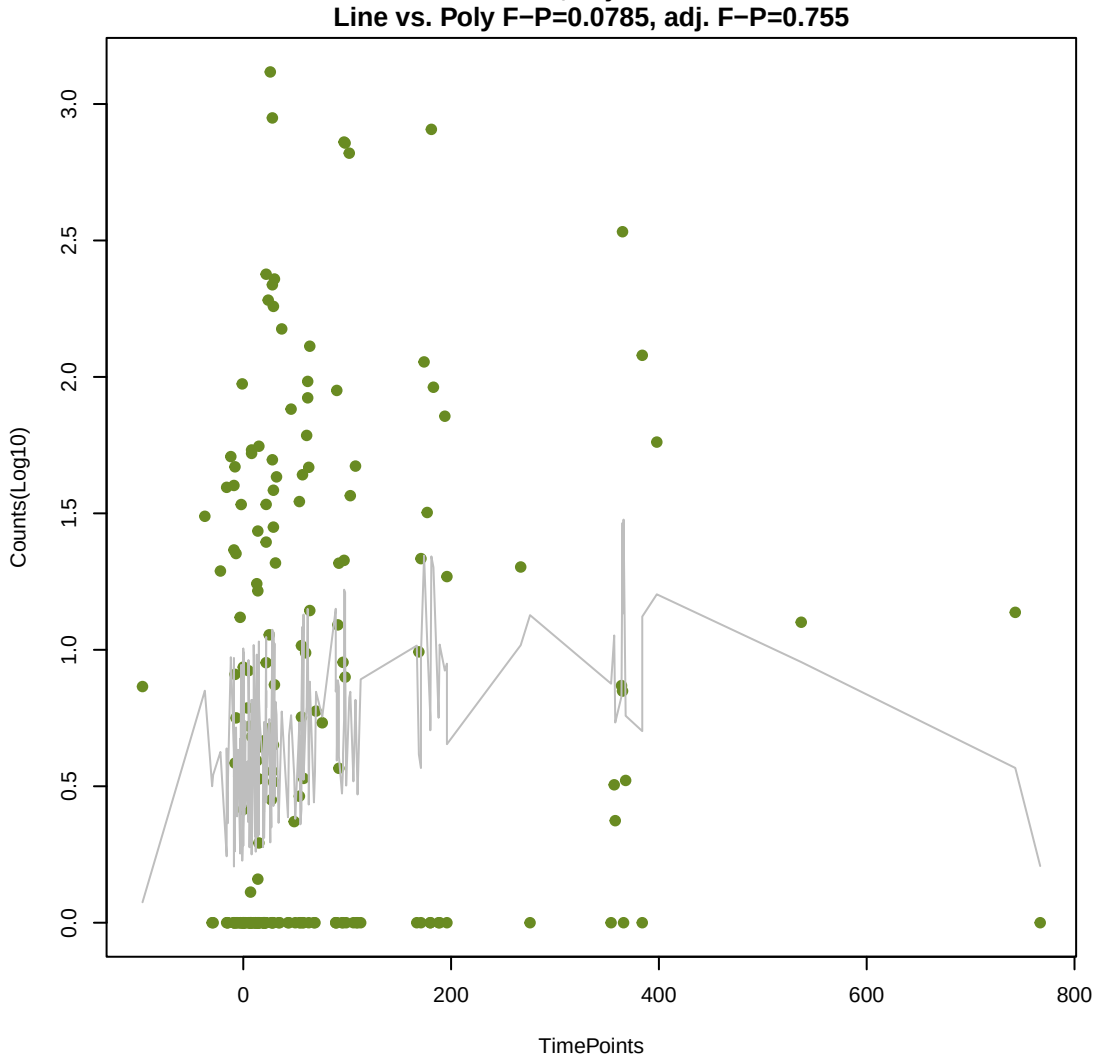


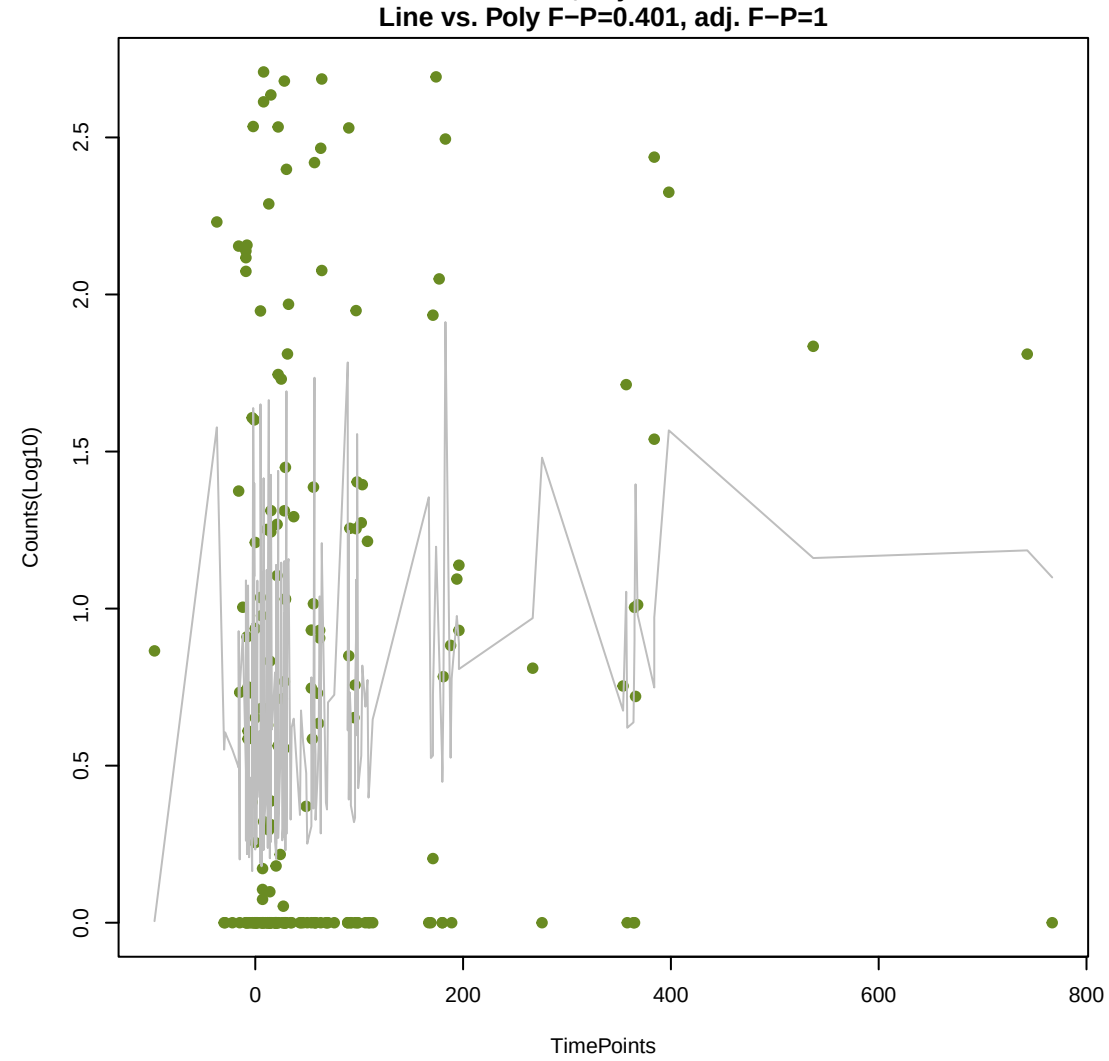

KPC beta−lactamase
ANOVA P=0.0171, adj. ANOVA−P=0.158
Line vs. Poly F−P=0.182, adj. F−P=0.878
Counts(Log10)
TimePoints

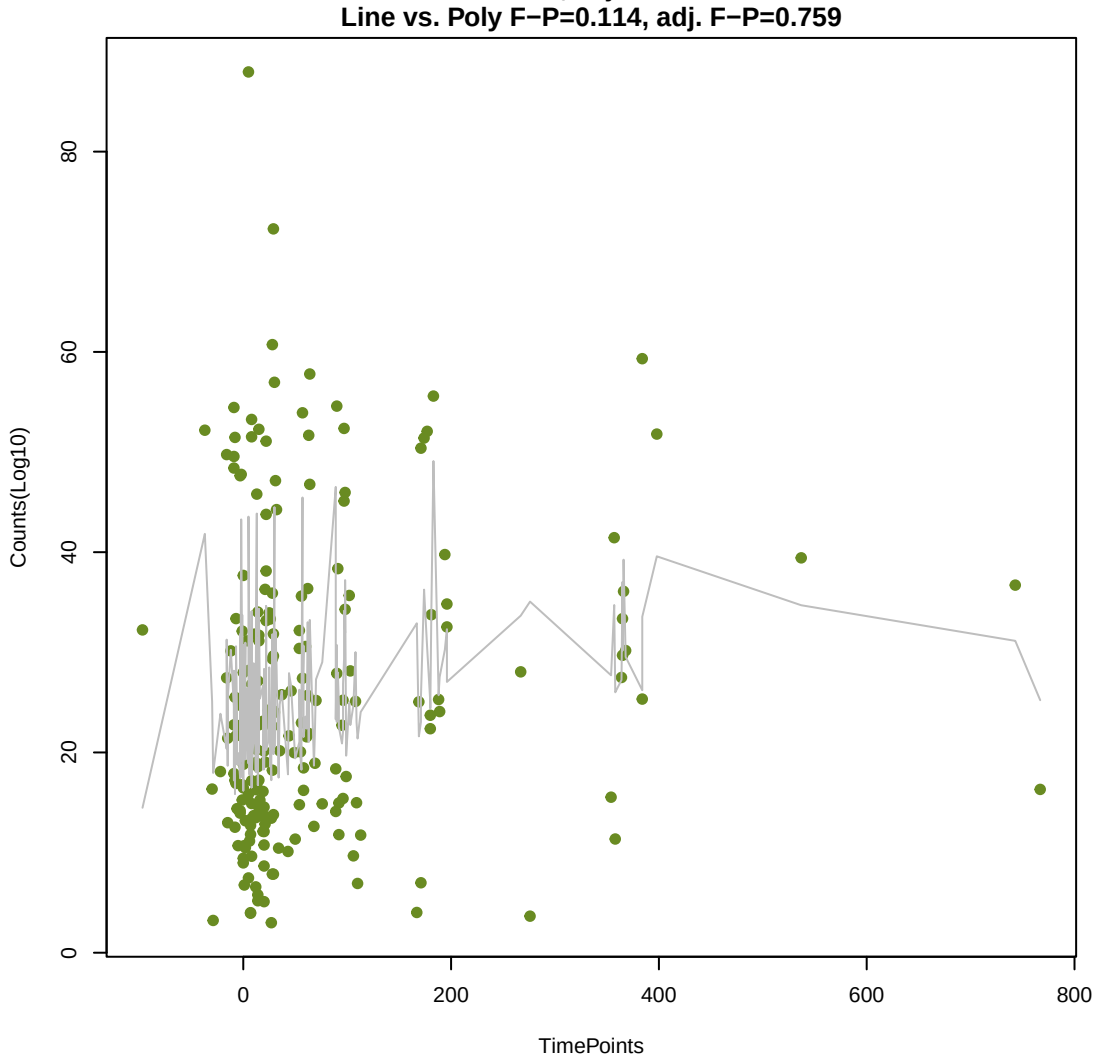

undecaprenyl pyrophosphate related proteins
ANOVA P=0.0173, adj. ANOVA−P=0.158
Line vs. Poly F−P=0.252, adj. F−P=0.988
Counts(Log10)
TimePoints

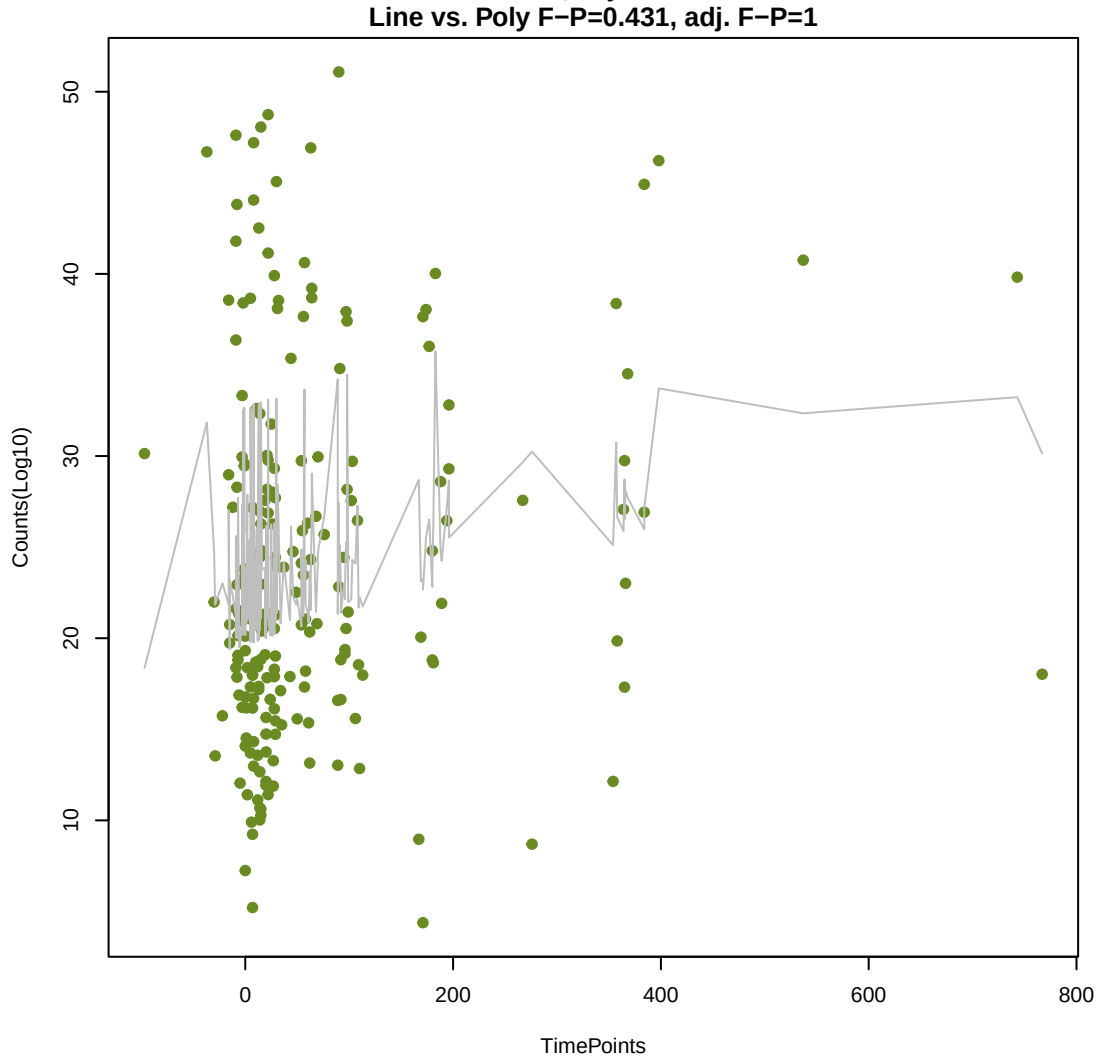

16S rRNA methyltransferase (A1408)
ANOVA P=0.0185, adj. ANOVA−P=0.158
Line vs. Poly F−P=0.00122, adj. F−P=0.0943
Counts(Log10)
TimePoints

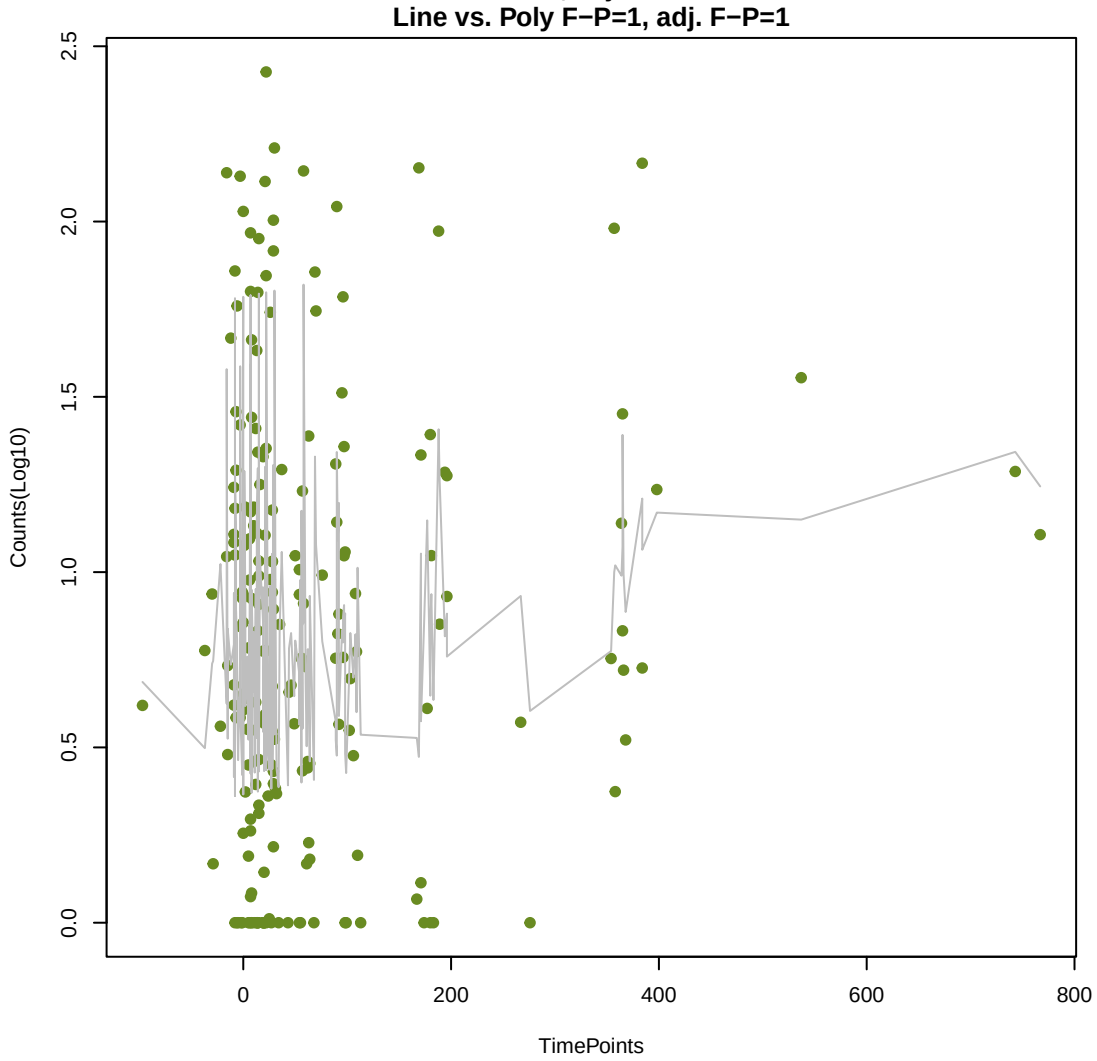

ANT(6)
ANOVA P=0.0231, adj. ANOVA−P=0.178
Line vs. Poly F−P=0.346, adj. F−P=1
Counts(Log10)
TimePoints

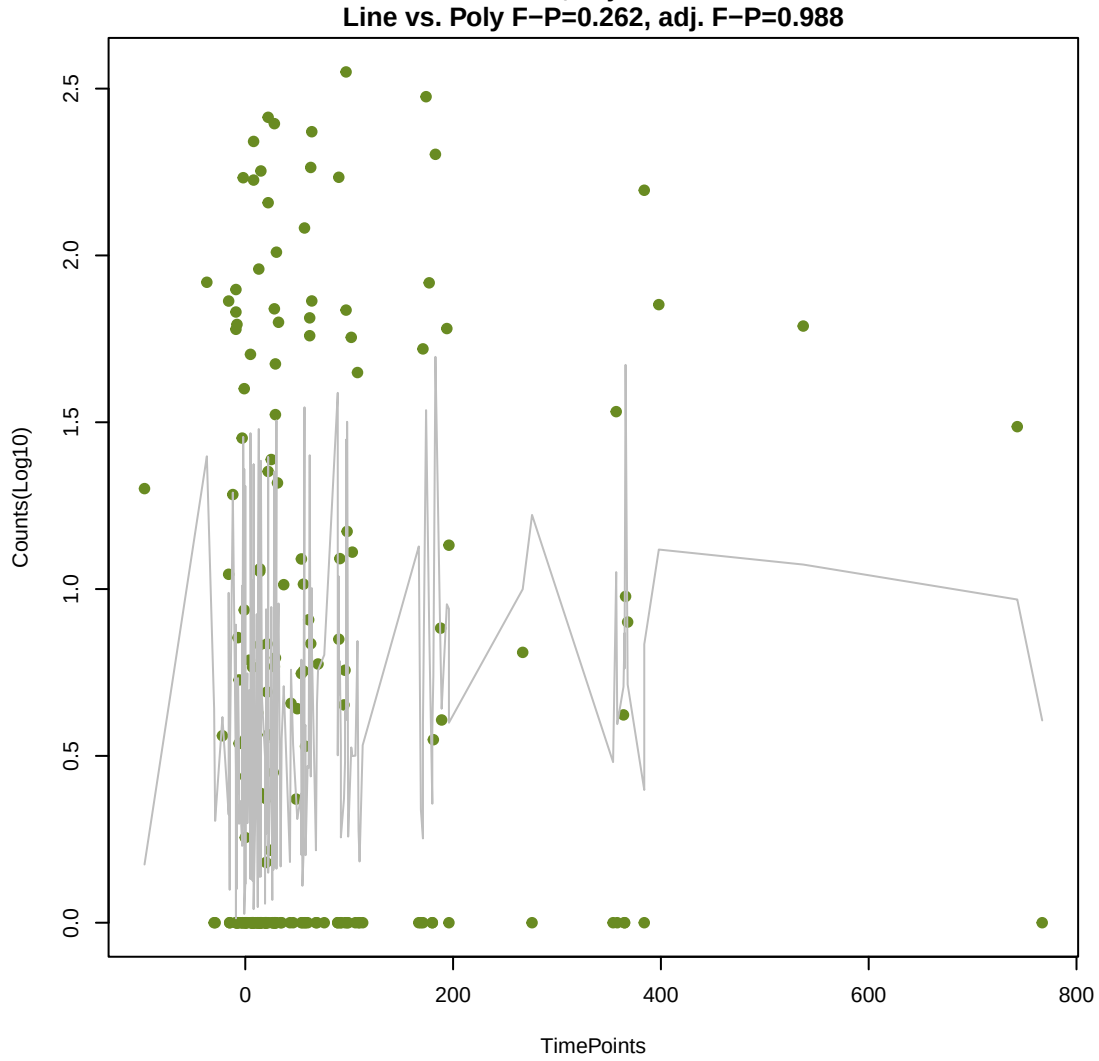

General Bacterial Porin with reduced permeability to beta−lactams
ANOVA P=0.0311, adj. ANOVA−P=0.196
Line vs. Poly F−P=0.0785, adj. F−P=0.755
Counts(Log10)
TimePoints

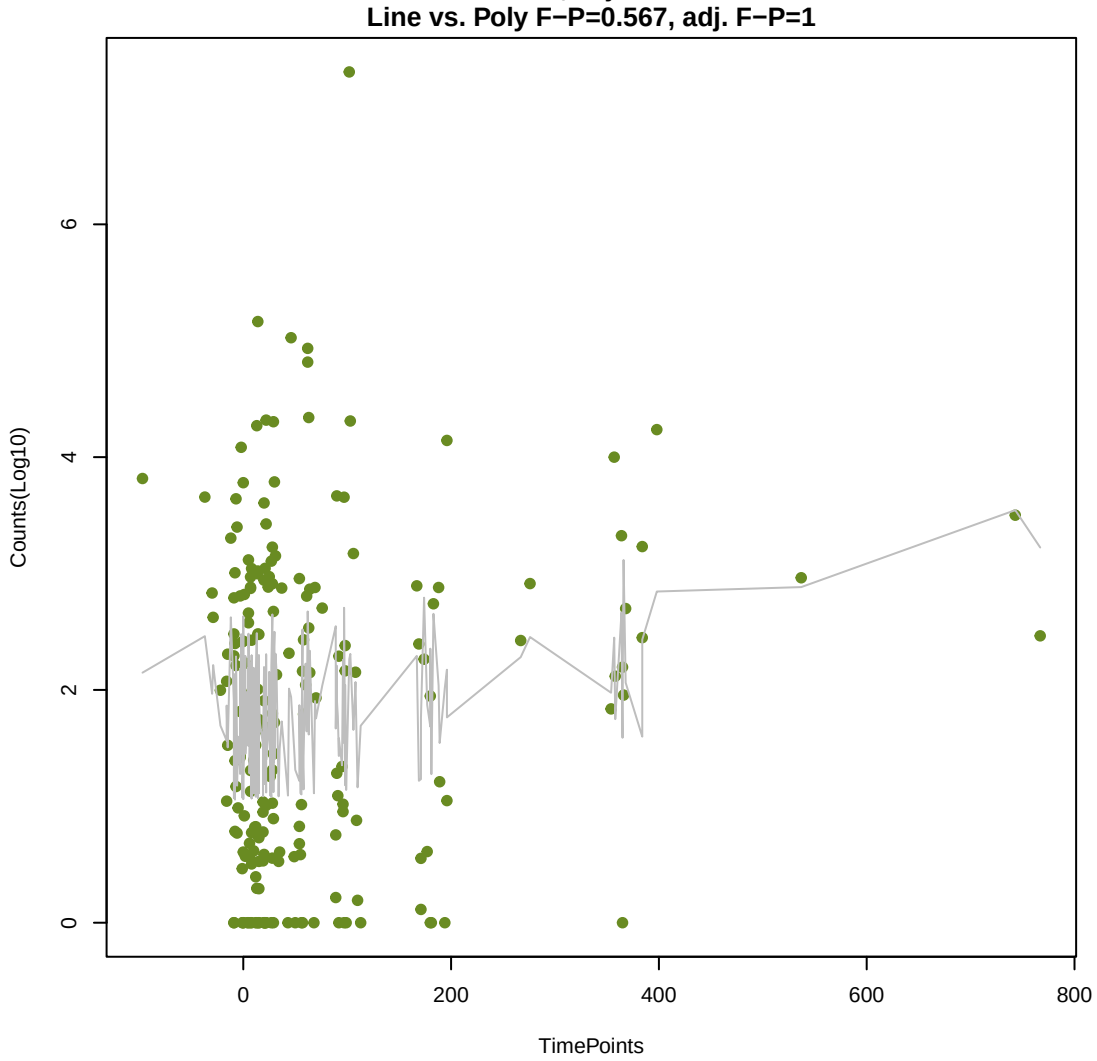

kdpDE
ANOVA P=0.0317, adj. ANOVA−P=0.196
Line vs. Poly F−P=0.401, adj. F−P=1
Counts(Log10)
TimePoints

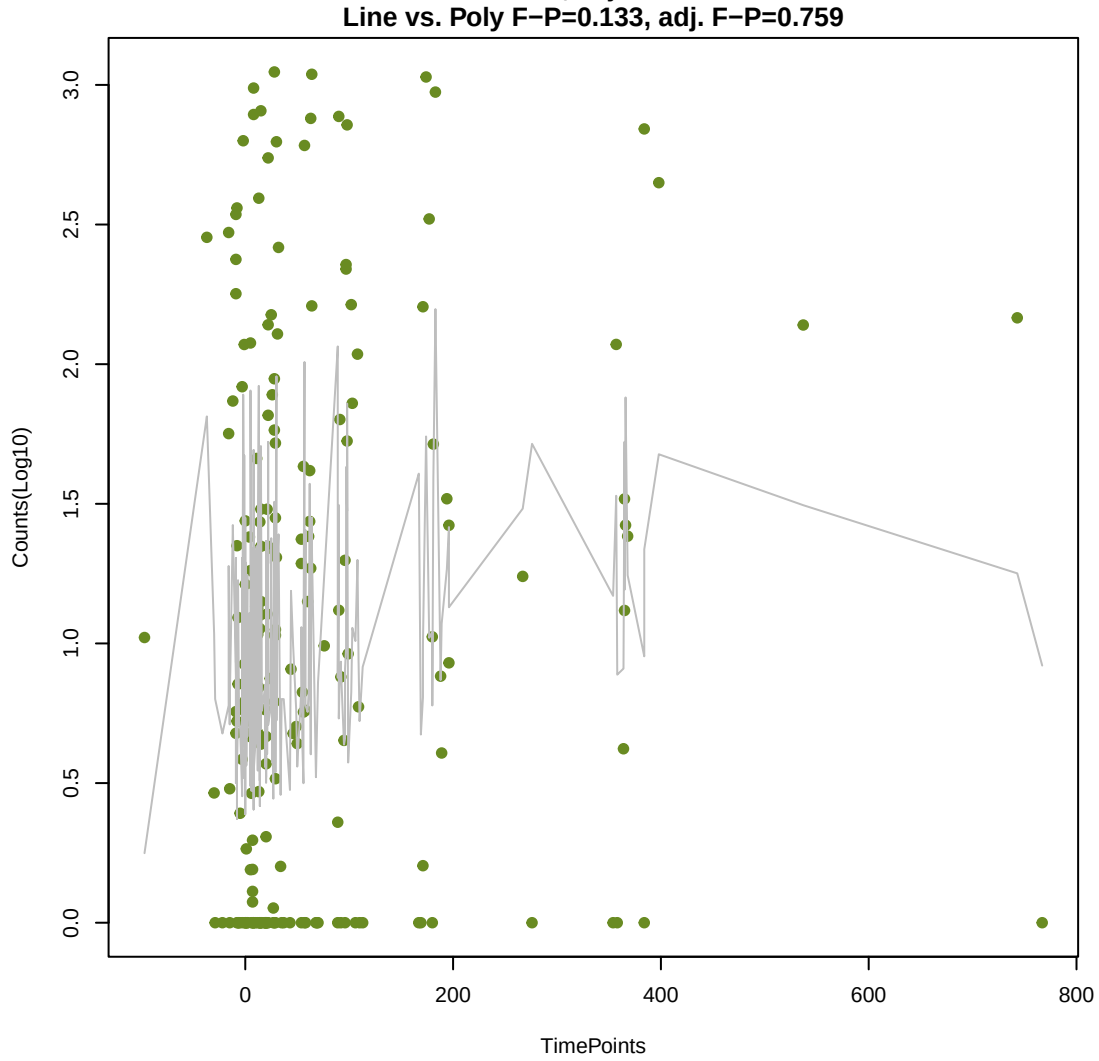

resistance−nodulation−cell division (RND) antibiotic efflux pump
ANOVA P=0.0331, adj. ANOVA−P=0.196
Line vs. Poly F−P=0.114, adj. F−P=0.759
Counts(Log10)
TimePoints

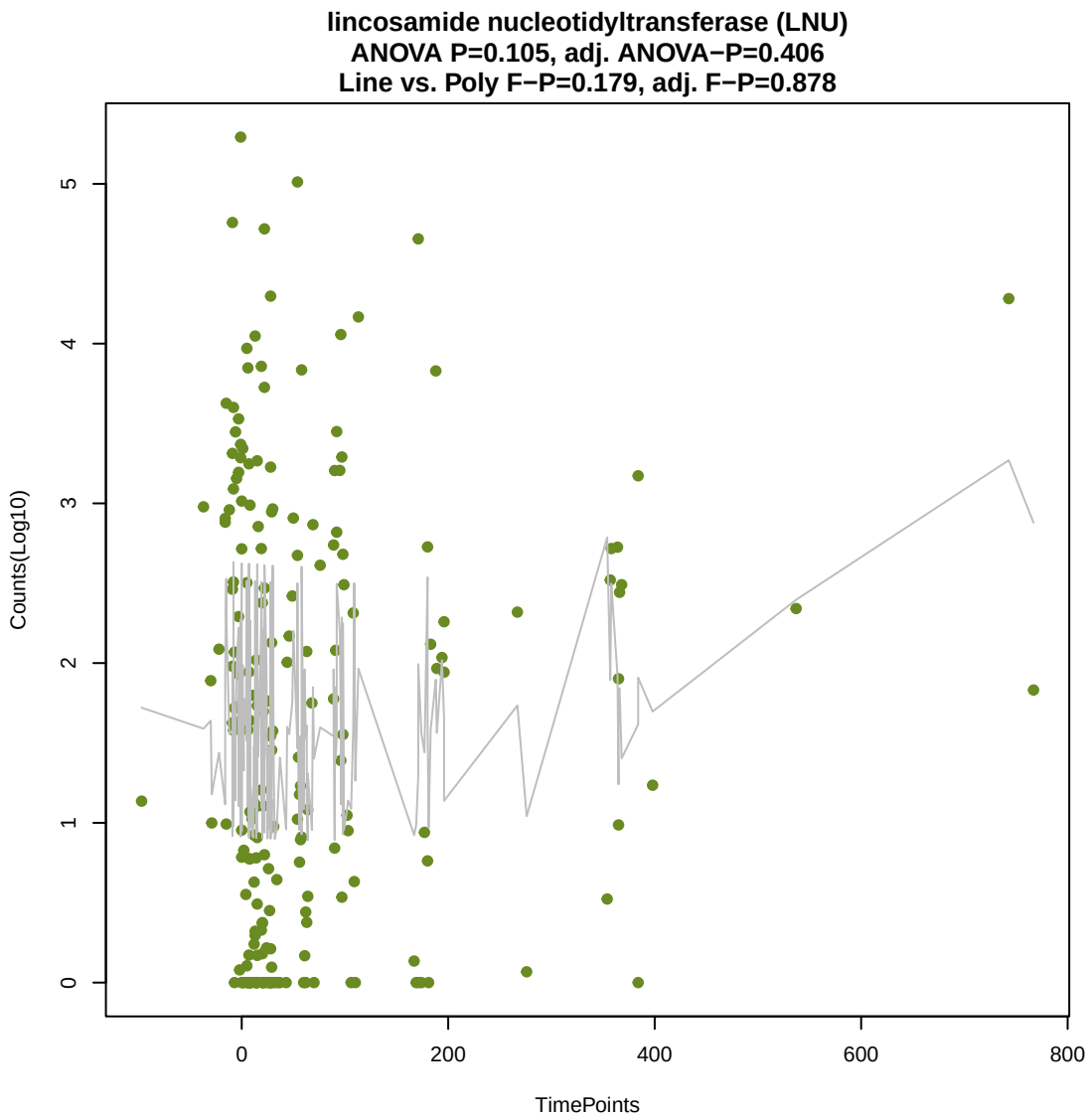

major facilitator superfamily (MFS) antibiotic efflux pump
ANOVA P=0.0378, adj. ANOVA−P=0.208
Line vs. Poly F−P=0.431, adj. F−P=1
Counts(Log10)
TimePoints

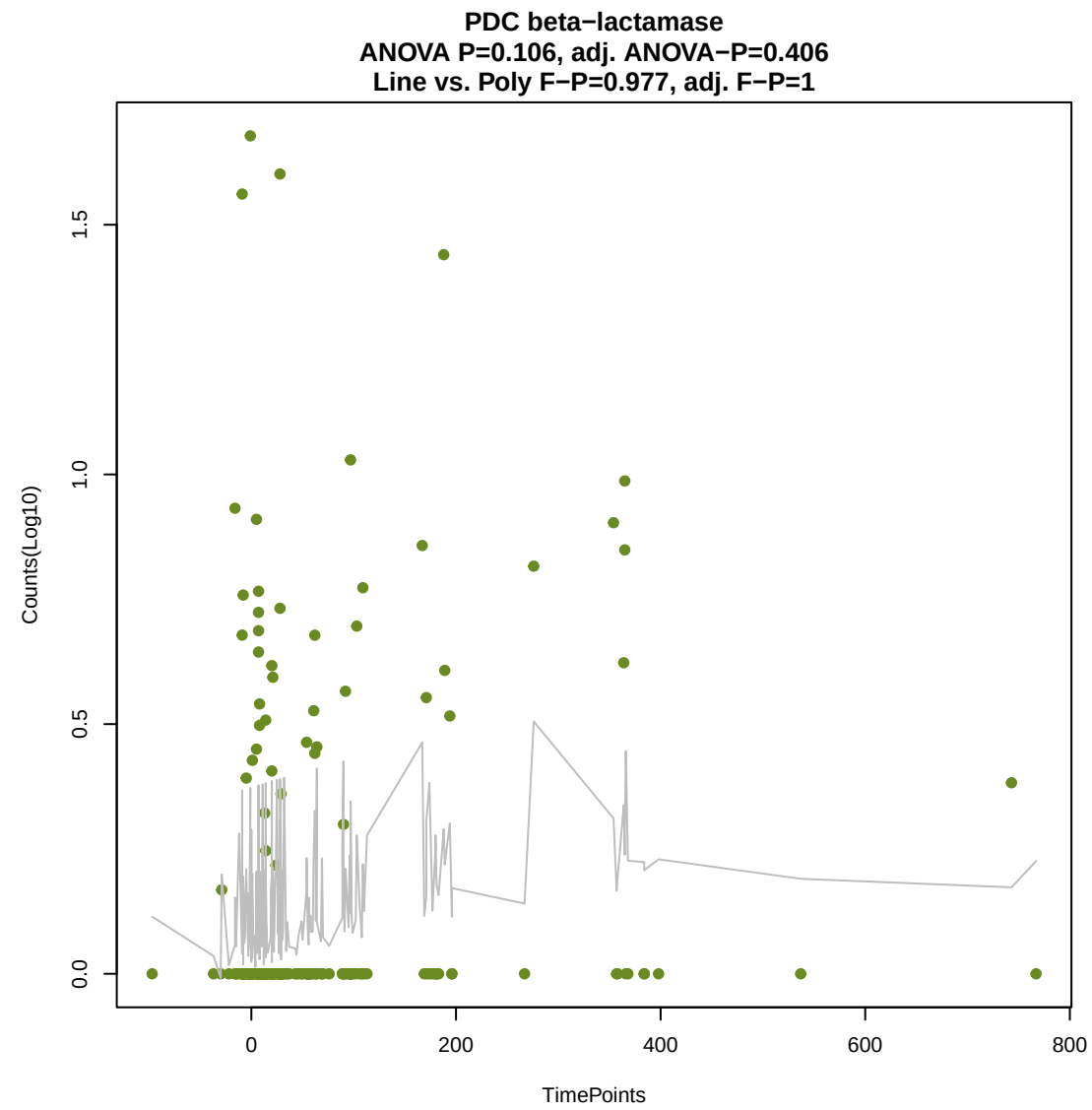

rifamycin−resistant beta−subunit of RNA polymerase (rpoB)
ANOVA P=0.0704, adj. ANOVA−P=0.361
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

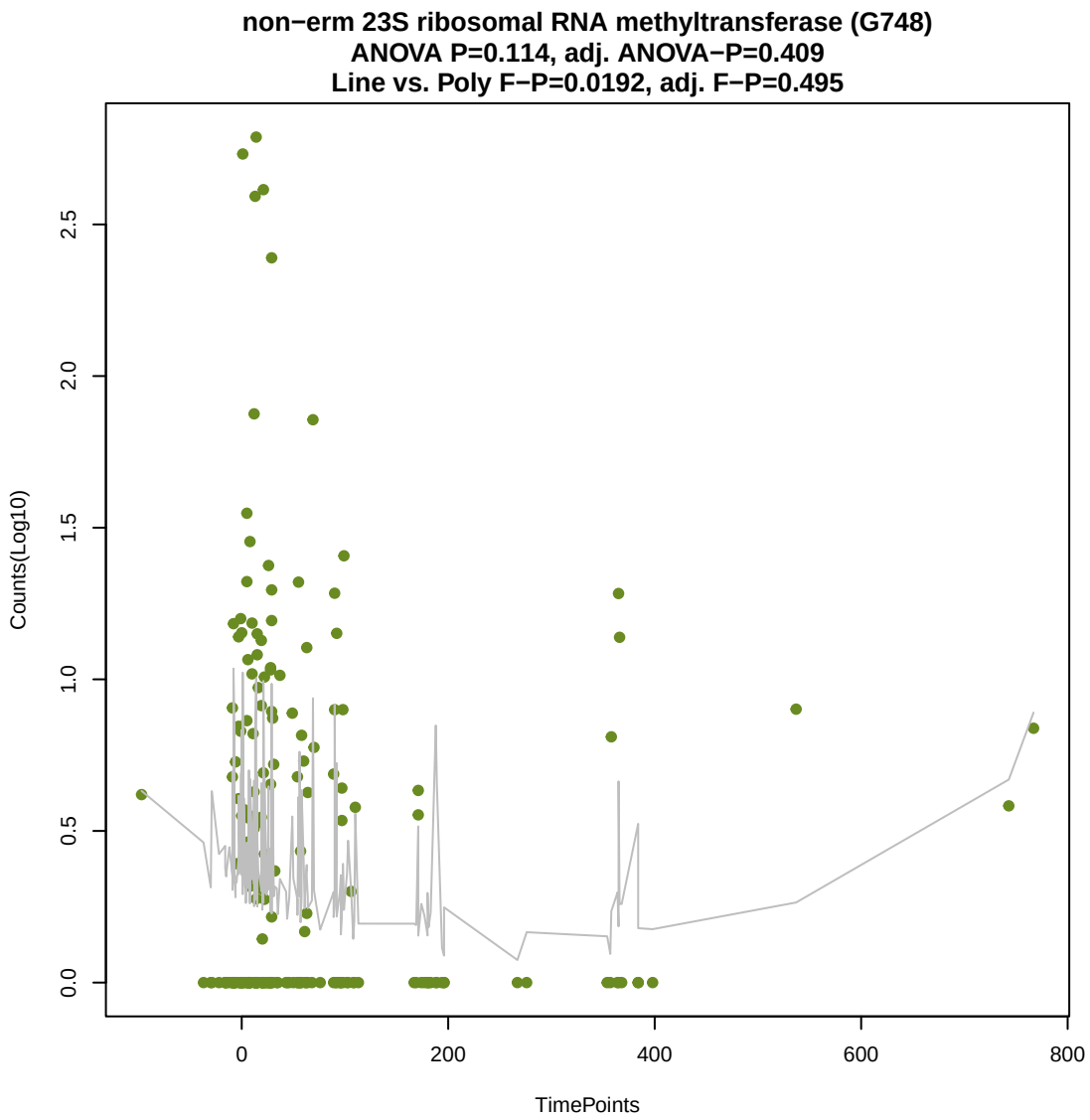

al Porin with reduced permeability to beta−lactams;resistance−nodulation−cell division (RN
ANOVA P=0.0867, adj. ANOVA−P=0.404
Line vs. Poly F−P=0.262, adj. F−P=0.988
Counts(Log10)
TimePoints

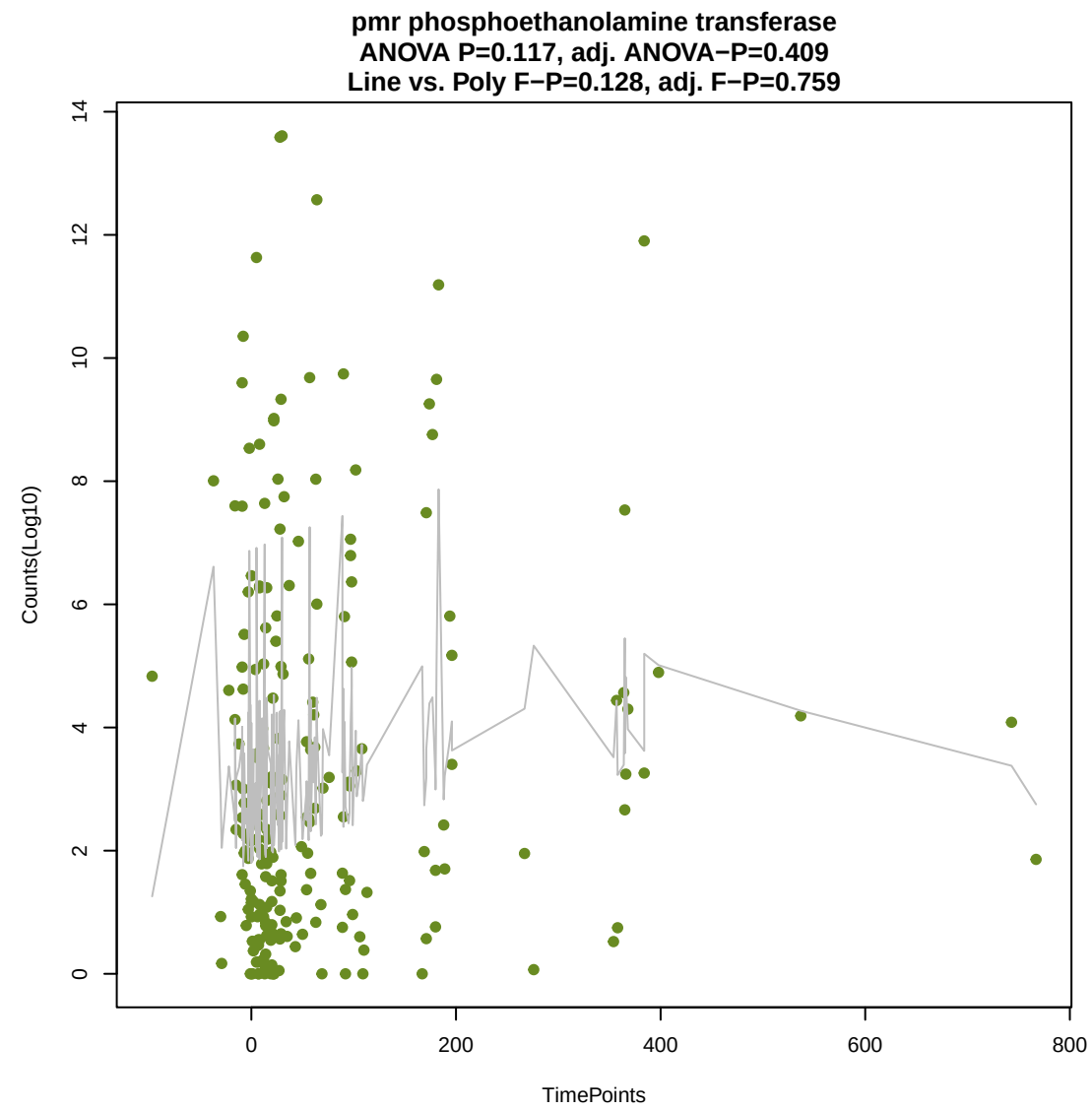

AAC(6')
ANOVA P=0.0893, adj. ANOVA−P=0.404
Line vs. Poly F−P=0.567, adj. F−P=1
Counts(Log10)
TimePoints

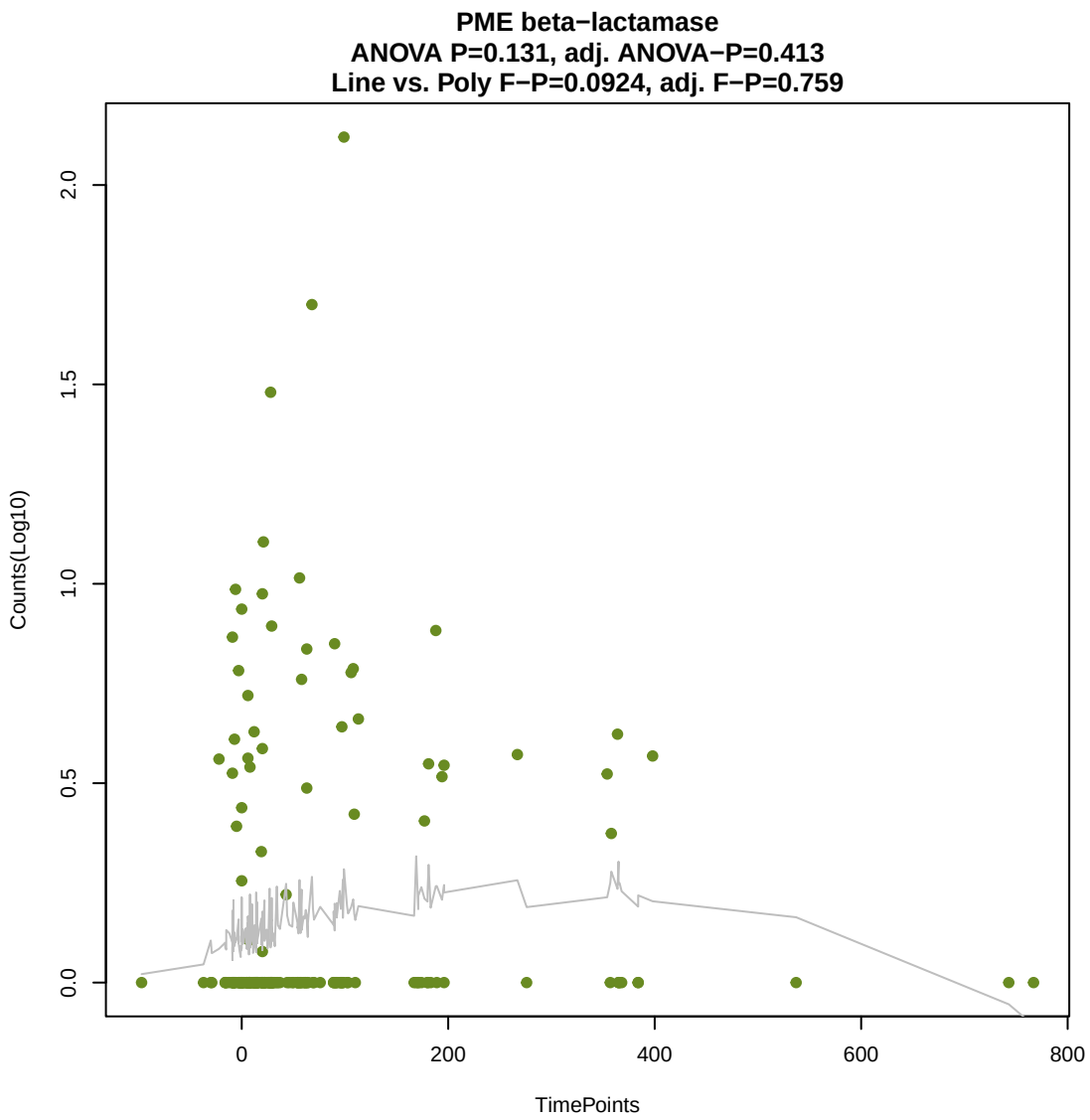

ic efflux pump;major facilitator superfamily (MFS) antibiotic efflux pump;resistance−nodula
ANOVA P=0.0962, adj. ANOVA−P=0.406
Line vs. Poly F−P=0.133, adj. F−P=0.759
Counts(Log10)
TimePoints

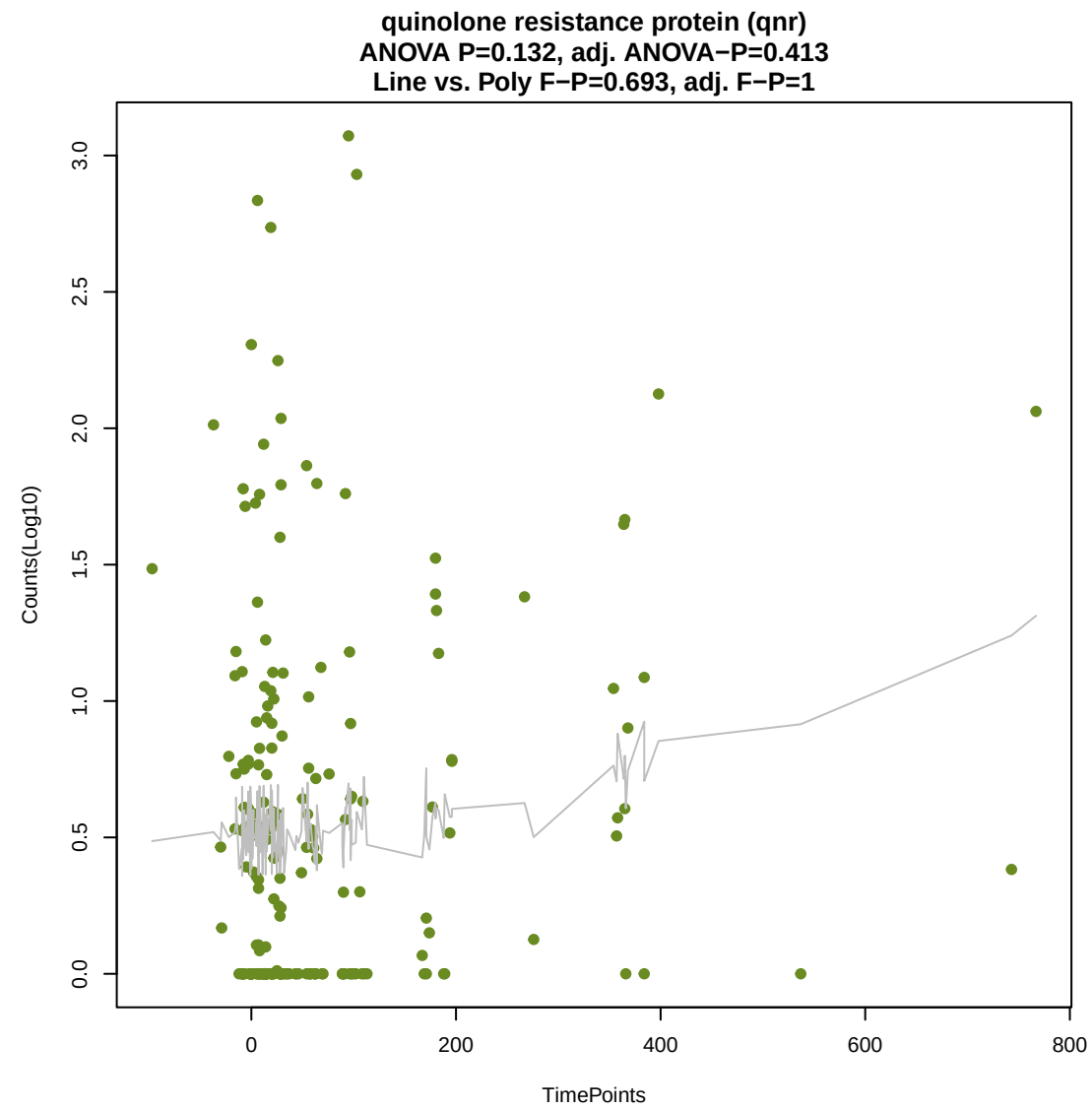

lincosamide nucleotidyltransferase (LNU)
ANOVA P=0.105, adj. ANOVA−P=0.406
Line vs. Poly F−P=0.179, adj. F−P=0.878
Counts(Log10)
TimePoints

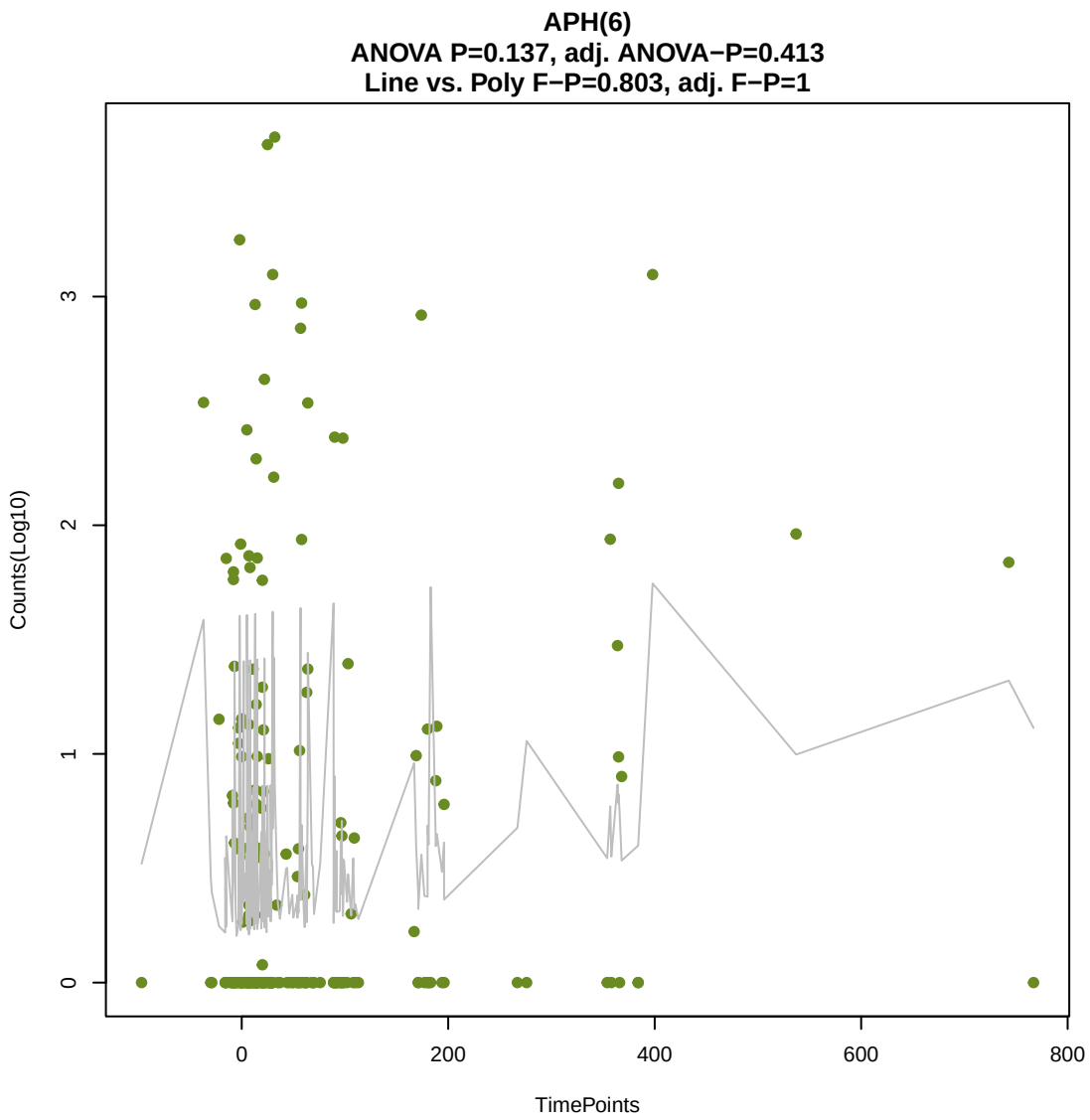

PDC beta−lactamase
ANOVA P=0.106, adj. ANOVA−P=0.406
Line vs. Poly F−P=0.977, adj. F−P=1
Counts(Log10)
TimePoints

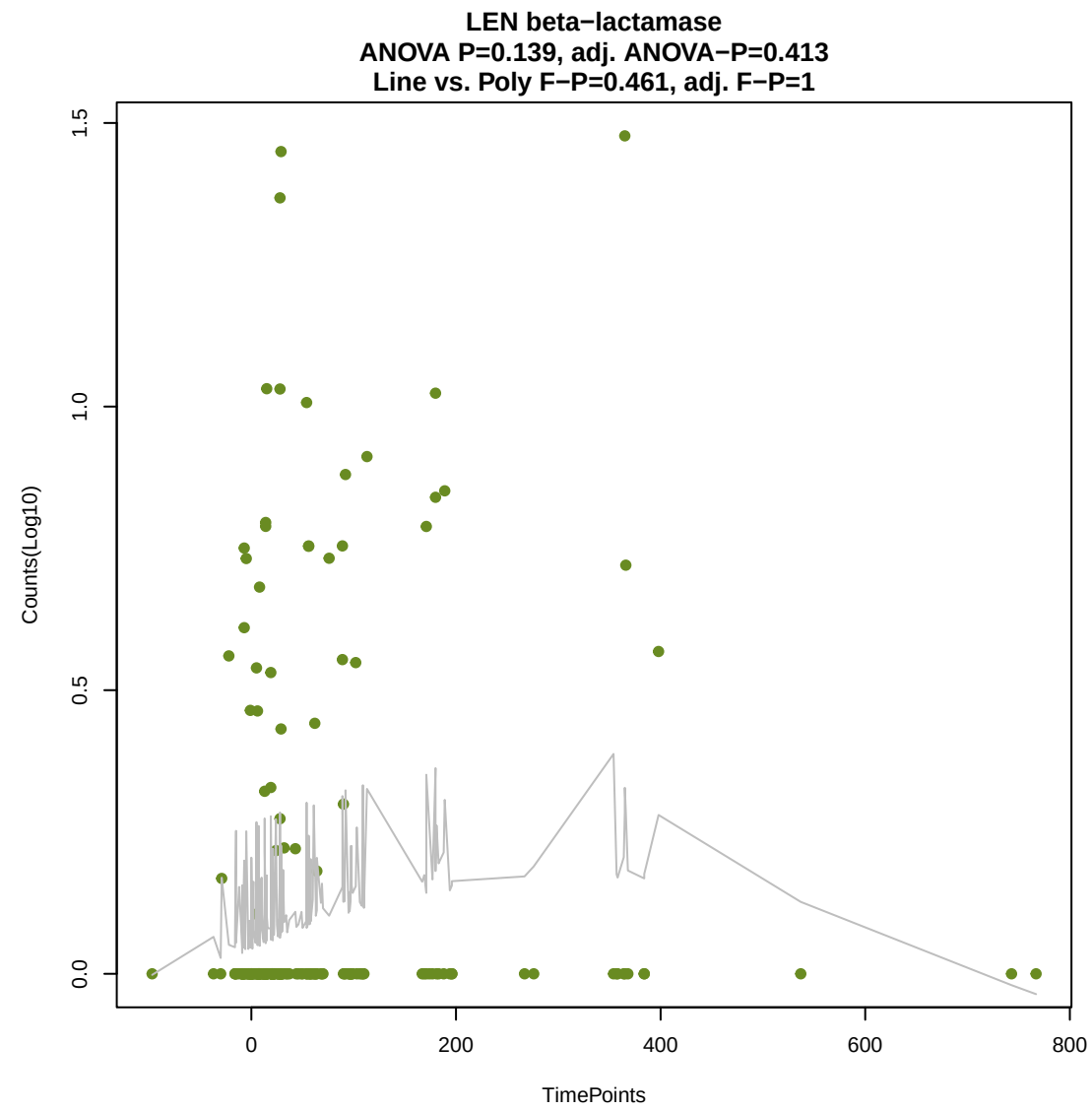

non−erm 23S ribosomal RNA methyltransferase (G748)
ANOVA P=0.114, adj. ANOVA−P=0.409
Line vs. Poly F−P=0.0192, adj. F−P=0.495
Counts(Log10)
TimePoints

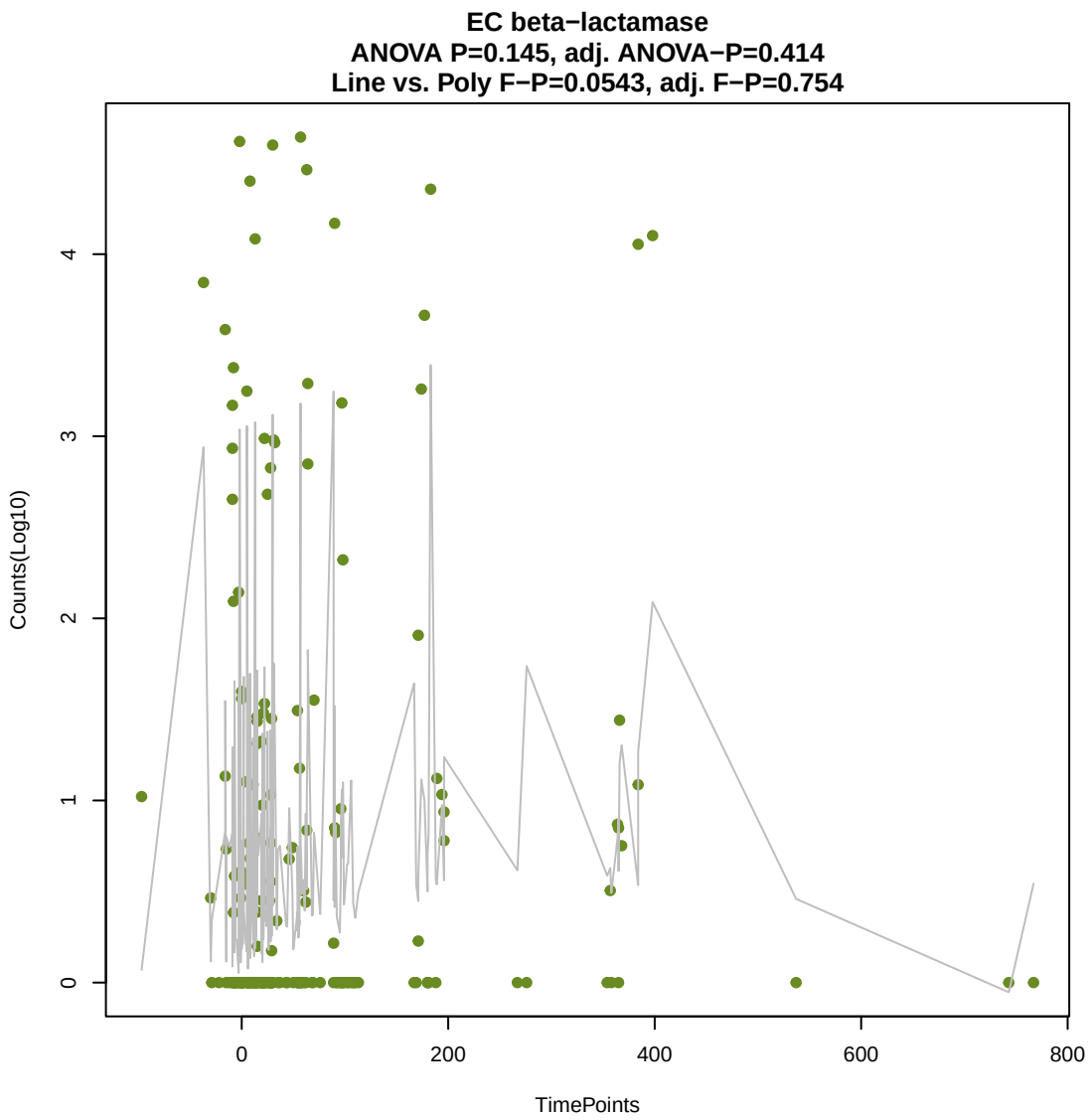

pmr phosphoethanolamine transferase
ANOVA P=0.117, adj. ANOVA−P=0.409
Line vs. Poly F−P=0.128, adj. F−P=0.759
Counts(Log10)
TimePoints

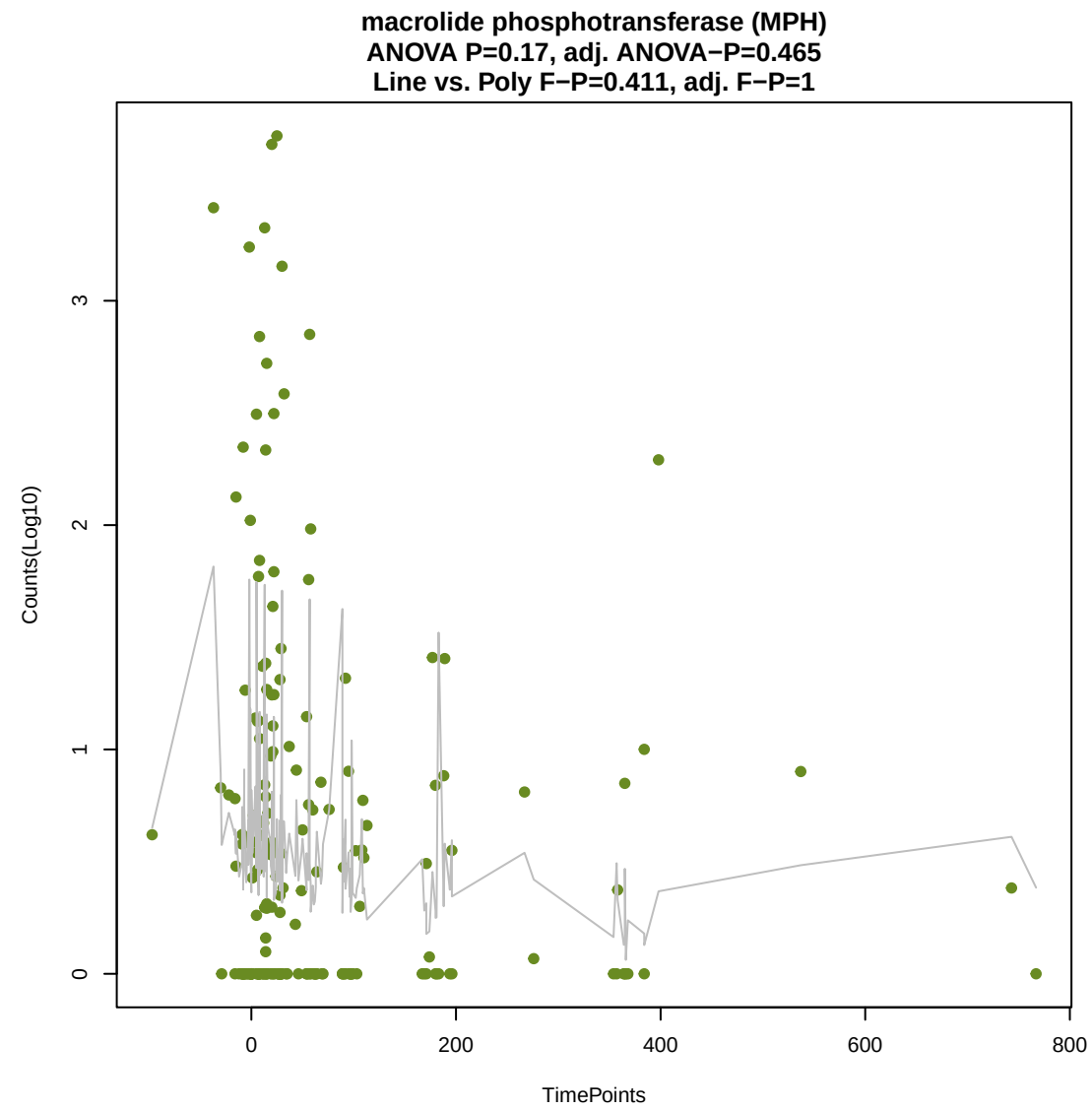

PME beta−lactamase
ANOVA P=0.131, adj. ANOVA−P=0.413
Line vs. Poly F−P=0.0924, adj. F−P=0.759
Counts(Log10)
TimePoints

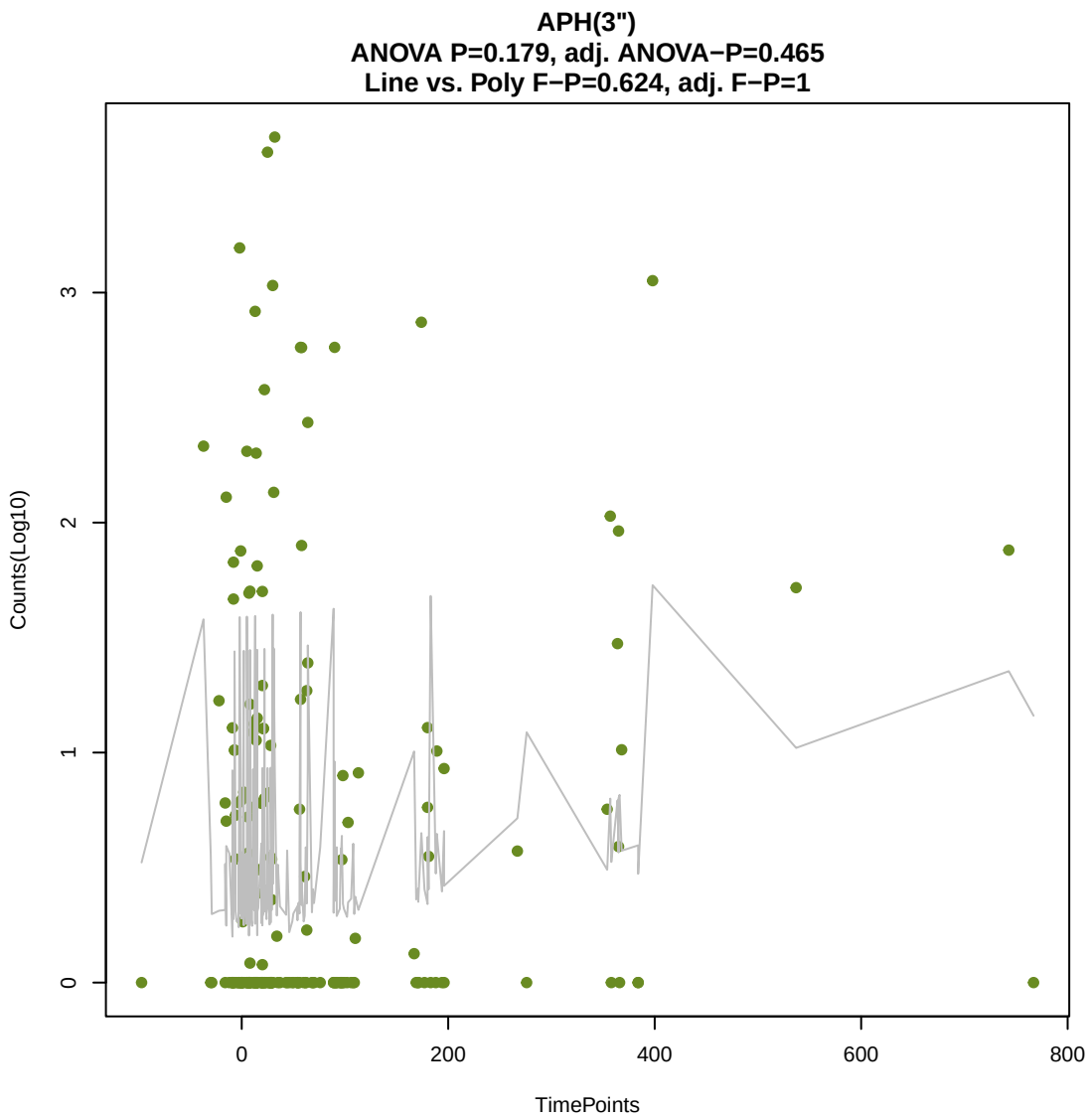

quinolone resistance protein (qnr)
ANOVA P=0.132, adj. ANOVA−P=0.413
Line vs. Poly F−P=0.693, adj. F−P=1
Counts(Log10)
TimePoints

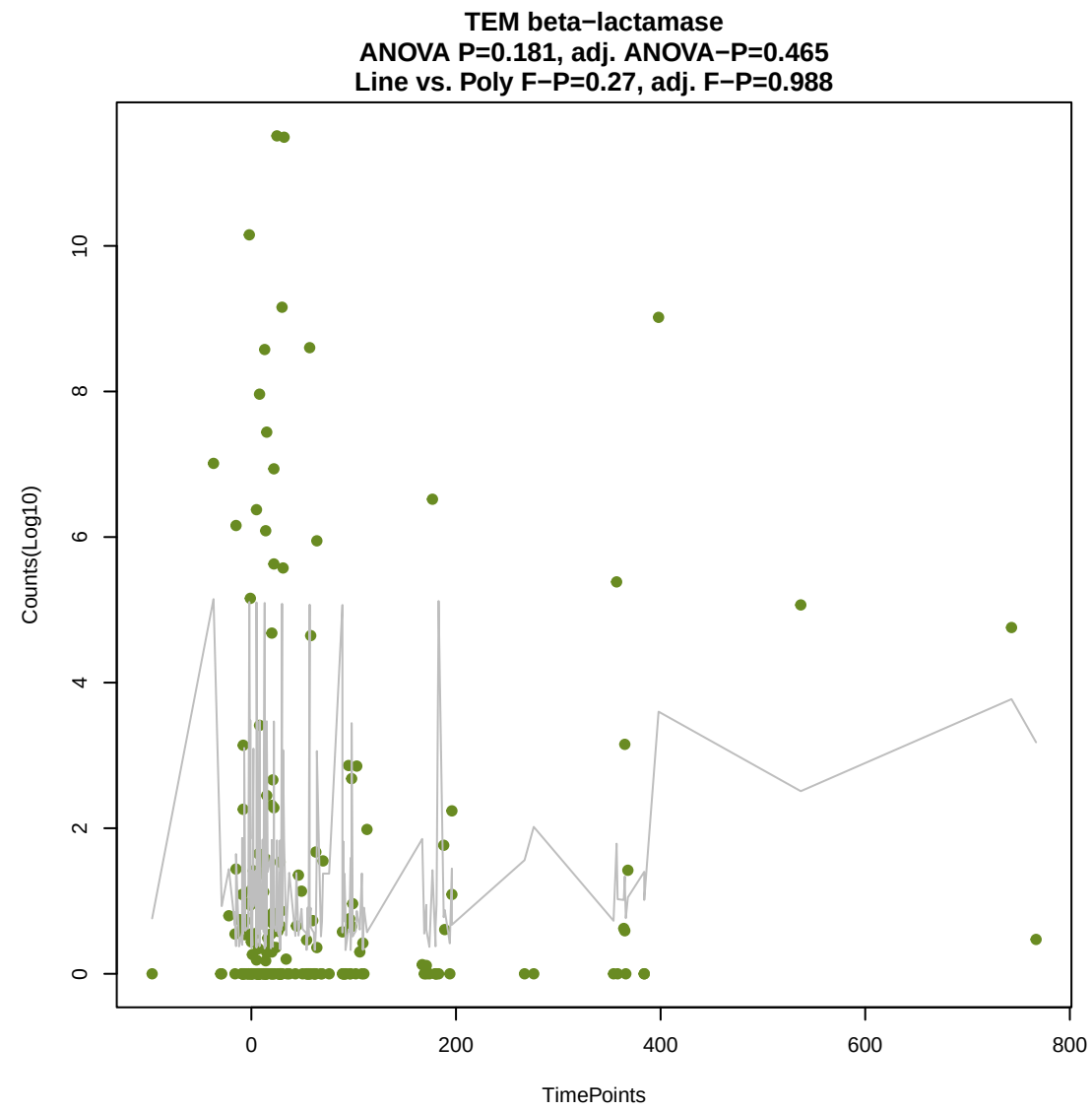

APH(6)
ANOVA P=0.137, adj. ANOVA−P=0.413
Line vs. Poly F−P=0.803, adj. F−P=1
Counts(Log10)
TimePoints


LEN beta−lactamase
ANOVA P=0.139, adj. ANOVA−P=0.413
Line vs. Poly F−P=0.461, adj. F−P=1
Counts(Log10)
TimePoints

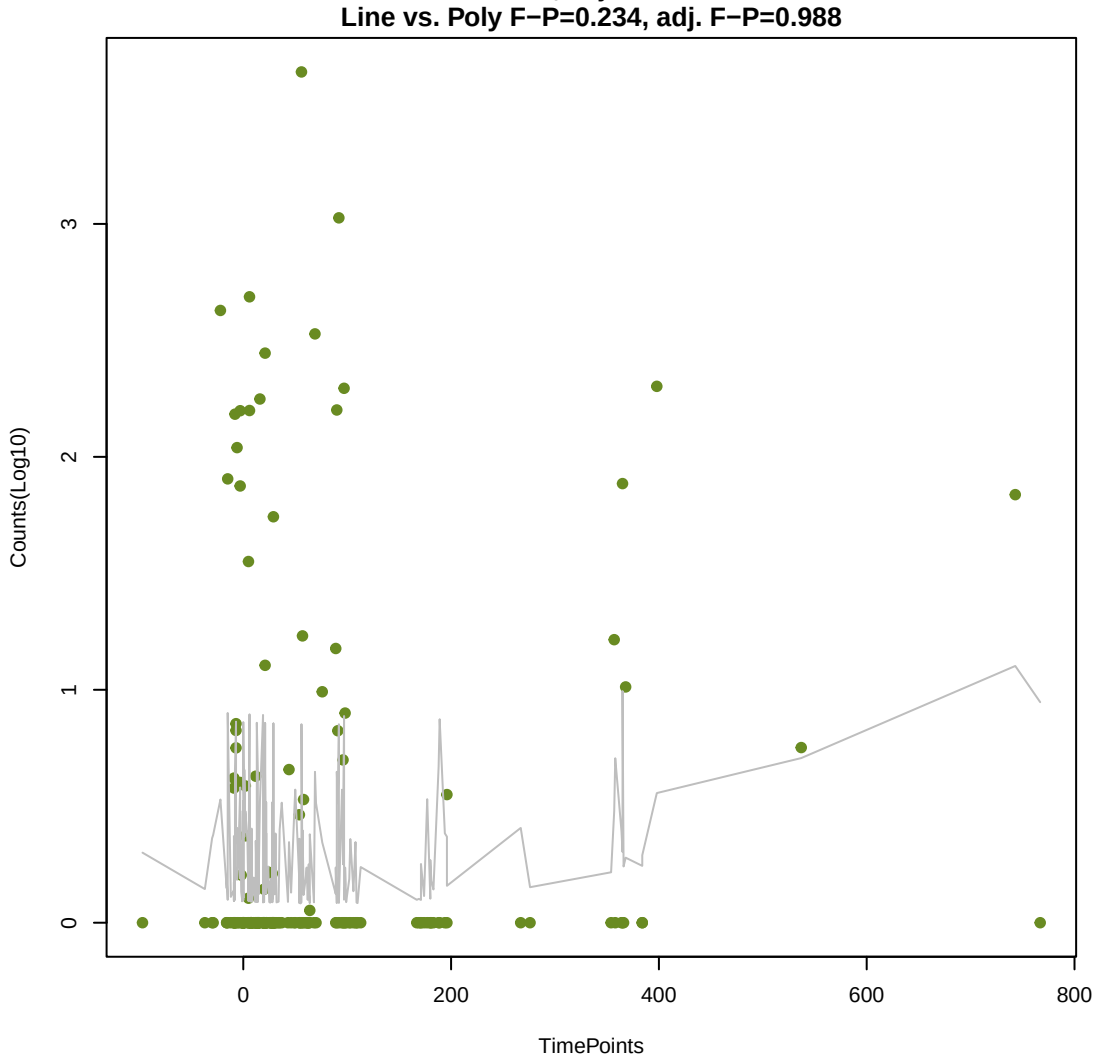

EC beta−lactamase
ANOVA P=0.145, adj. ANOVA−P=0.414
Line vs. Poly F−P=0.0543, adj. F−P=0.754
Counts(Log10)
TimePoints


macrolide phosphotransferase (MPH)
ANOVA P=0.17, adj. ANOVA−P=0.465
Line vs. Poly F−P=0.411, adj. F−P=1
Counts(Log10)
TimePoints

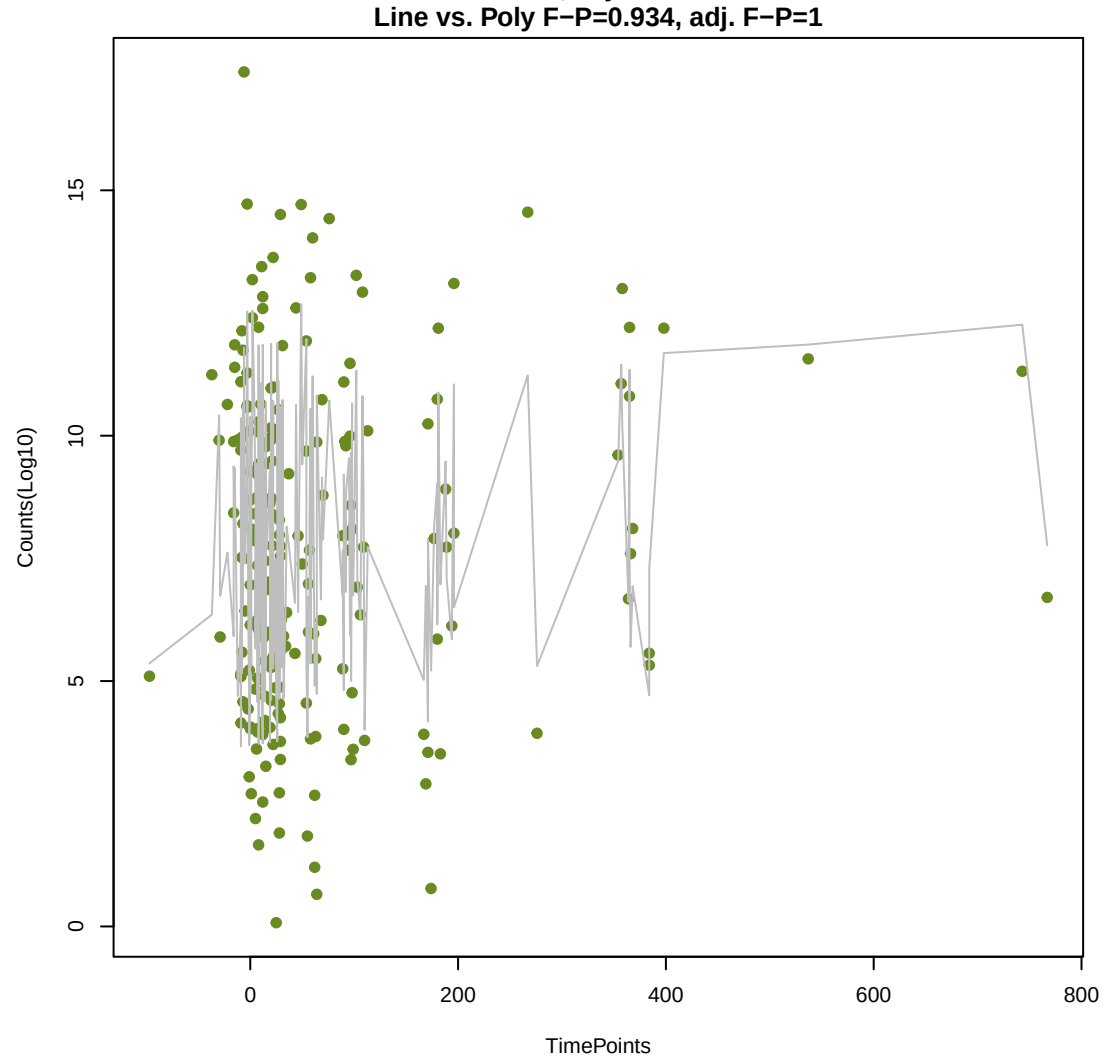

APH(3")
ANOVA P=0.179, adj. ANOVA−P=0.465
Line vs. Poly F−P=0.624, adj. F−P=1
Counts(Log10)
TimePoints


TEM beta−lactamase
ANOVA P=0.181, adj. ANOVA−P=0.465
Line vs. Poly F−P=0.27, adj. F−P=0.988
Counts(Log10)
TimePoints

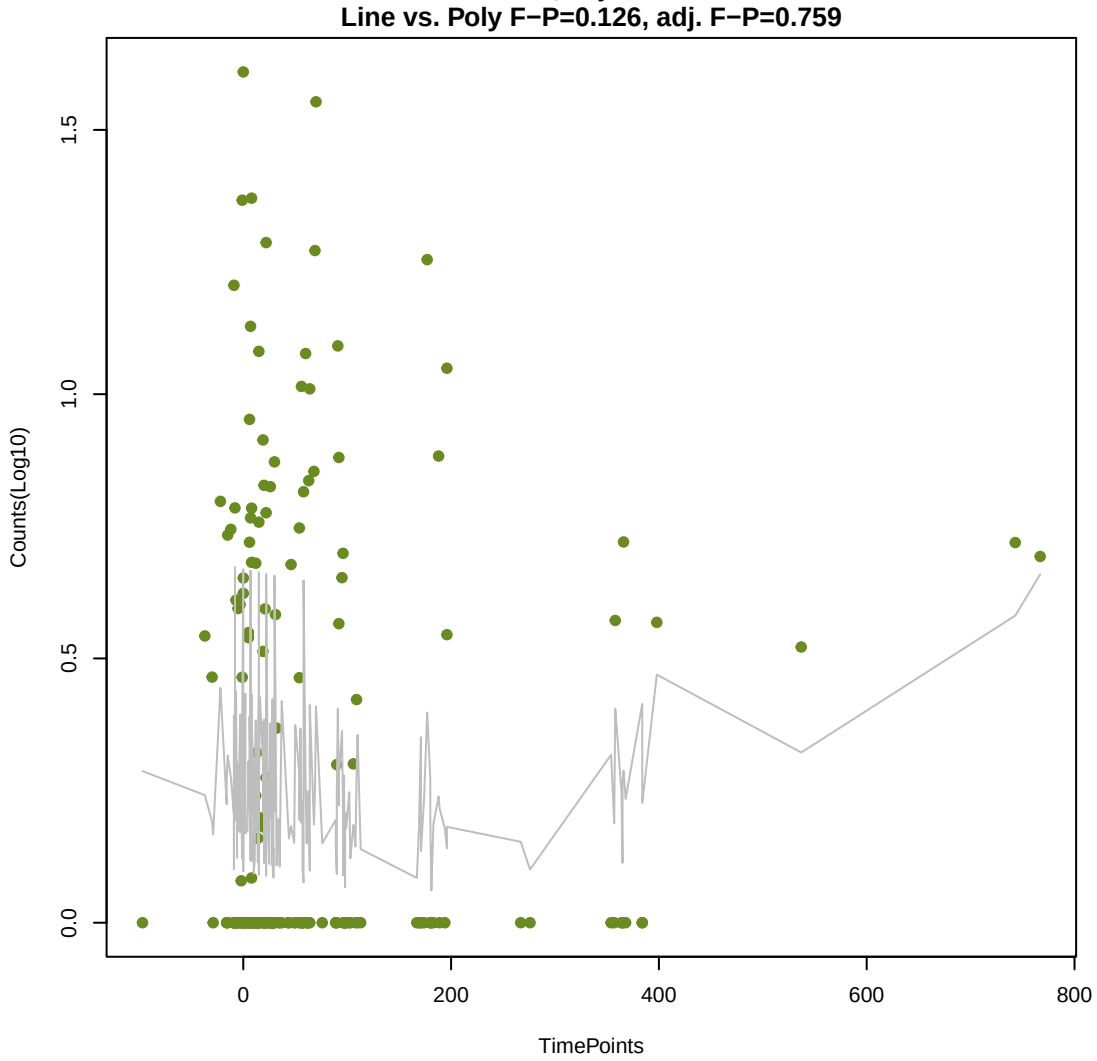
chloramphenicol acetyltransferase (CAT)
ANOVA P=0.189, adj. ANOVA−P=0.469
Line vs. Poly F−P=0.234, adj. F−P=0.988



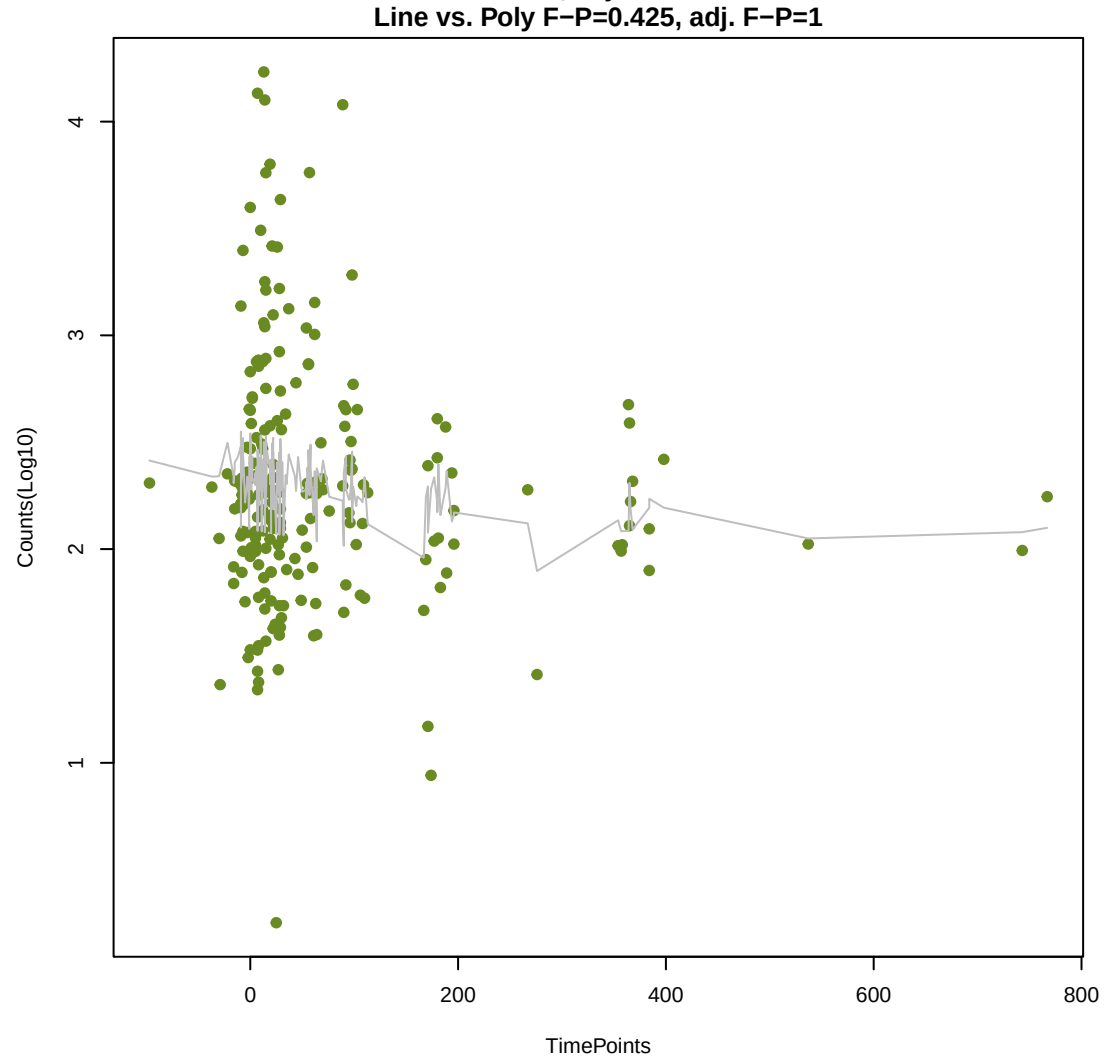
Erm 23S ribosomal RNA methyltransferase
ANOVA P=0.197, adj. ANOVA−P=0.474
Line vs. Poly F−P=0.934, adj. F−P=1



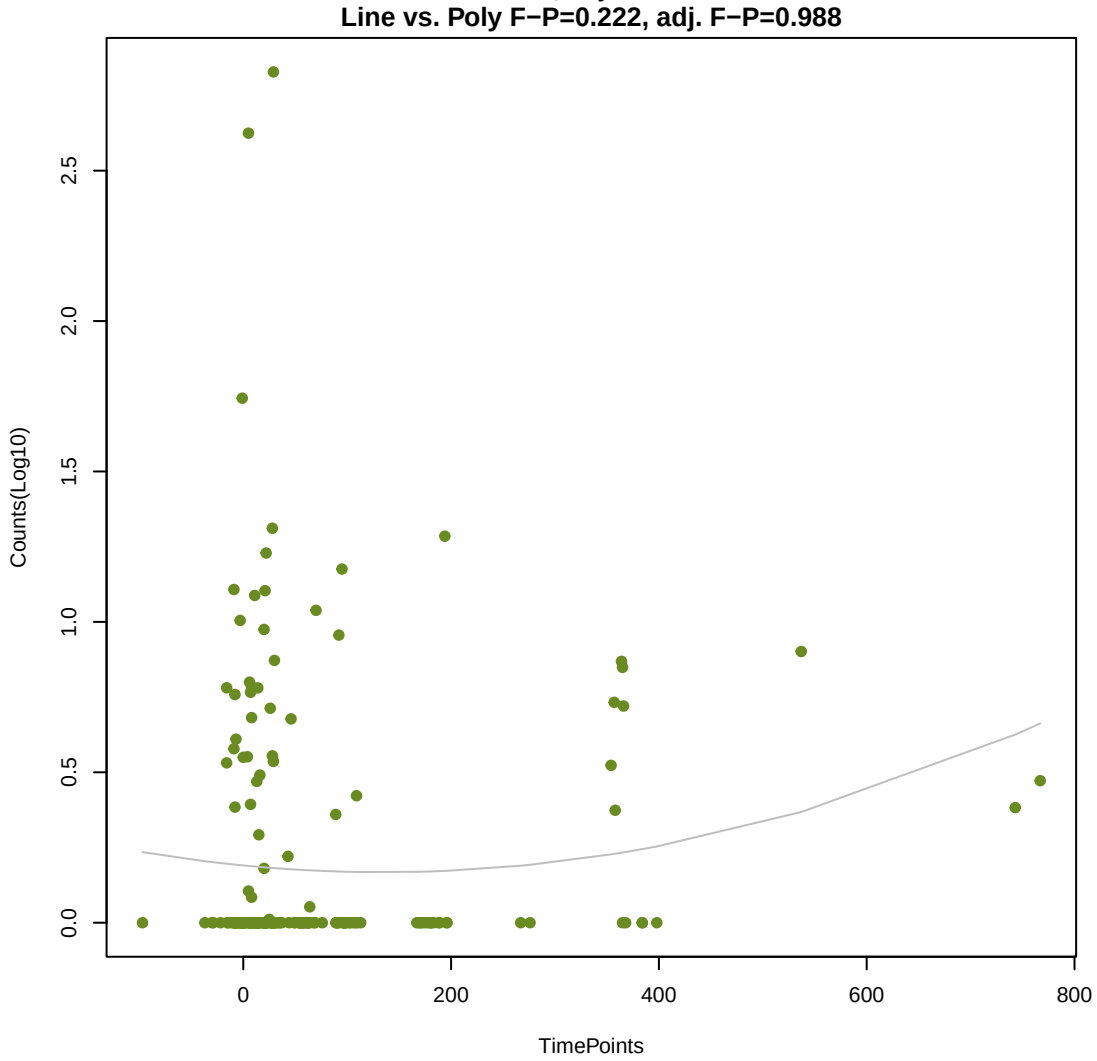
16S rRNA methyltransferase (G1405)
ANOVA P=0.215, adj. ANOVA−P=0.502
Line vs. Poly F−P=0.126, adj. F−P=0.759



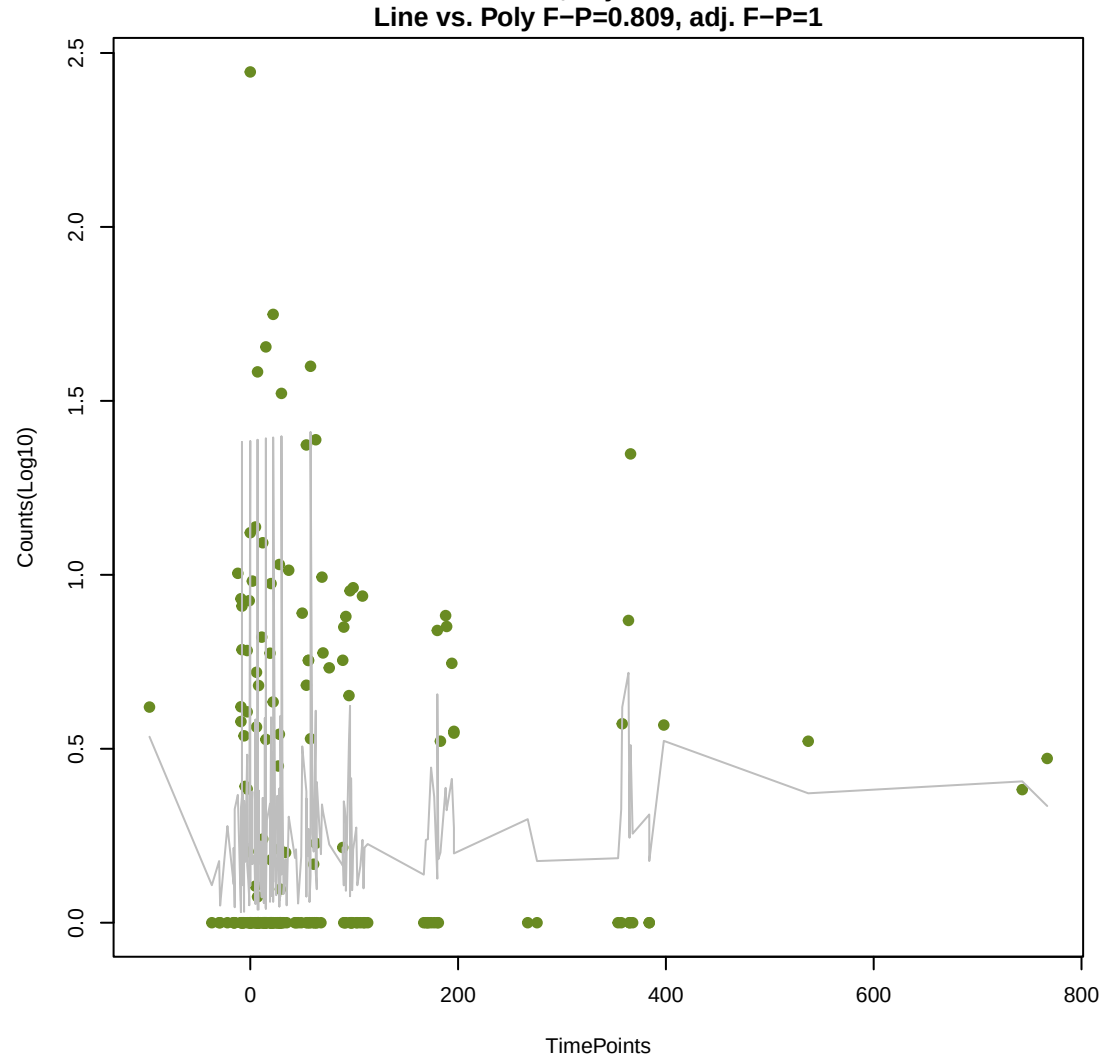
Bleomycin resistant protein
ANOVA P=0.239, adj. ANOVA−P=0.542
Line vs. Poly F−P=0.425, adj. F−P=1

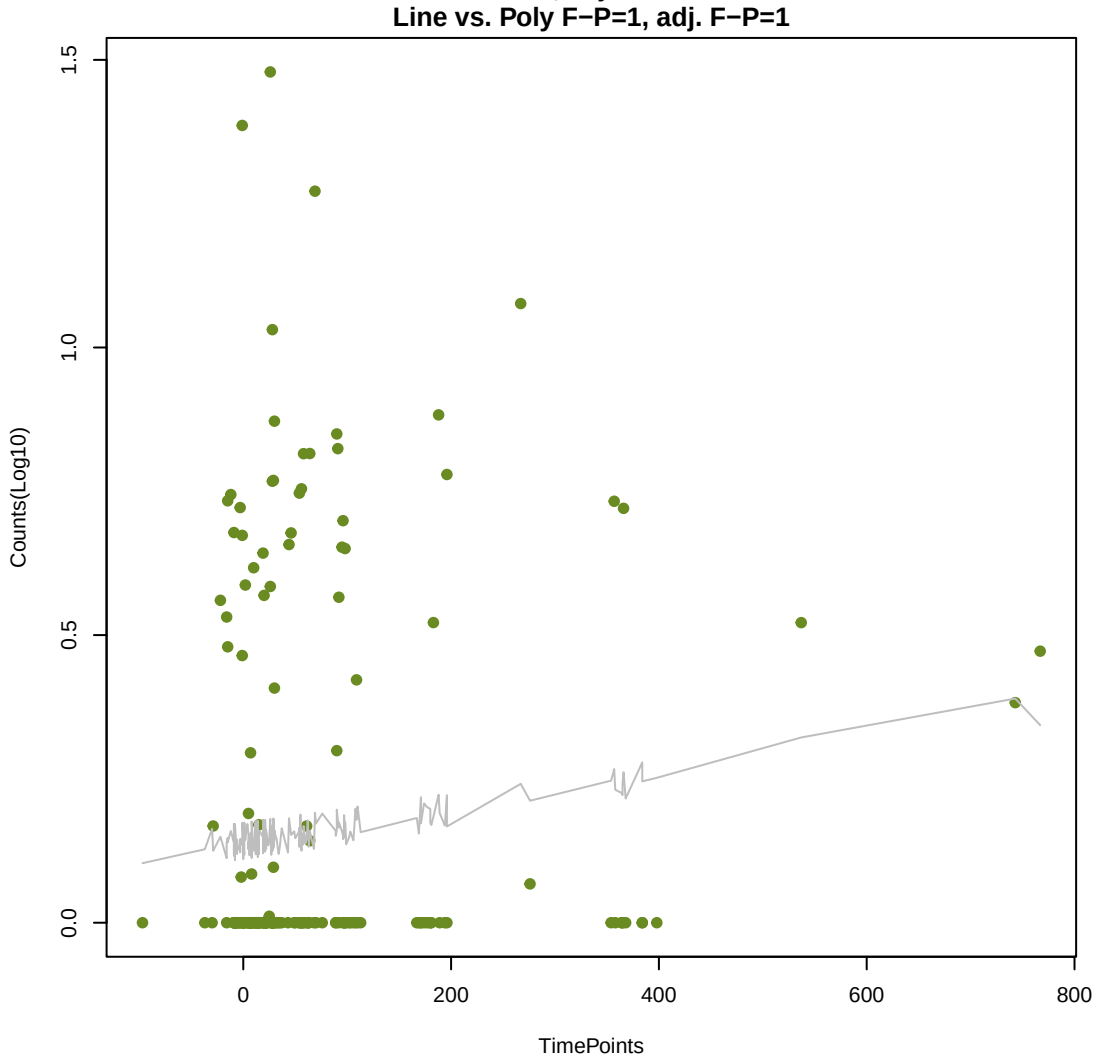


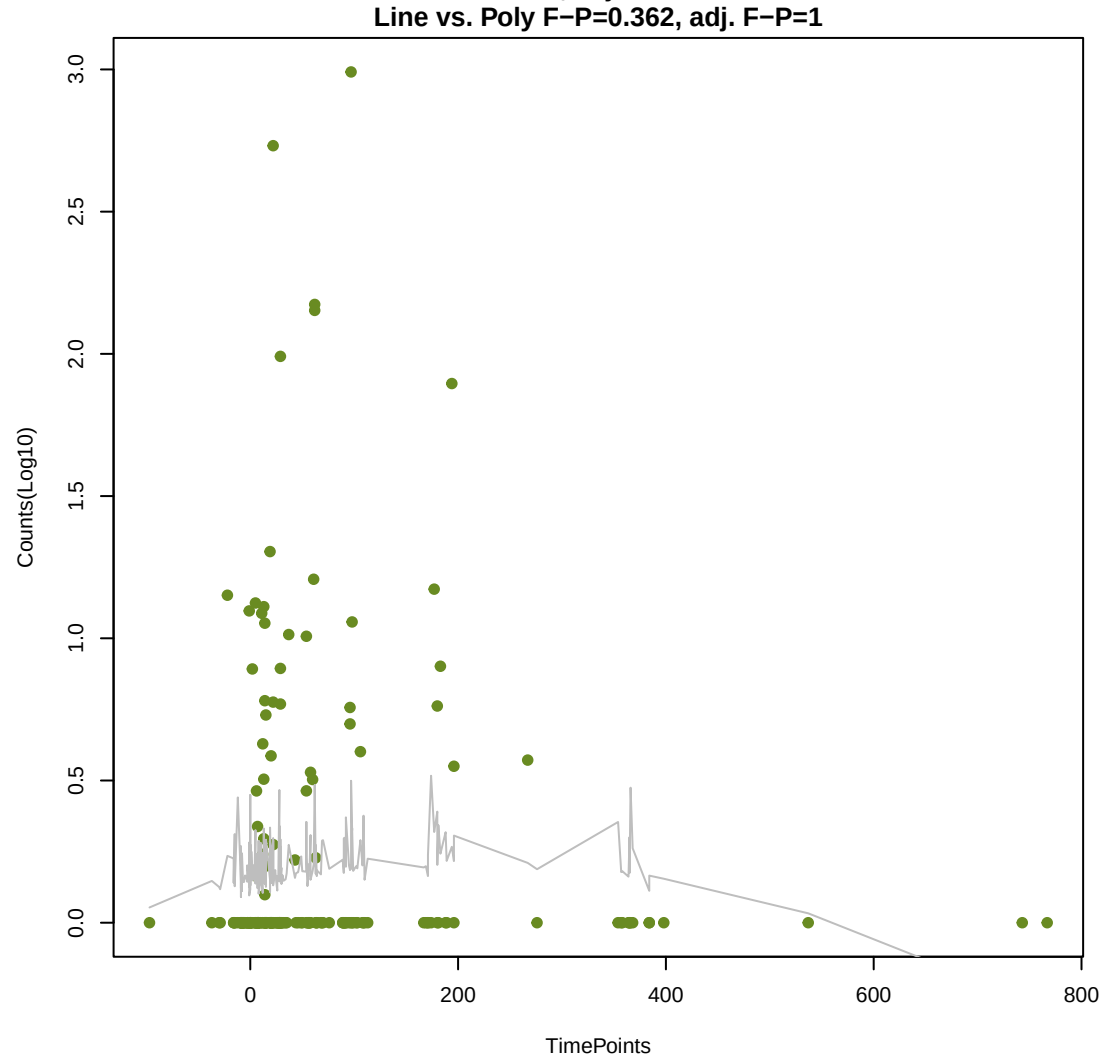
Outer Membrane Porin (Opr);resistance−nodulation−cell division (RND) antibiotic efflux
ANOVA P=0.252, adj. ANOVA−P=0.554
Line vs. Poly F−P=0.222, adj. F−P=0.988

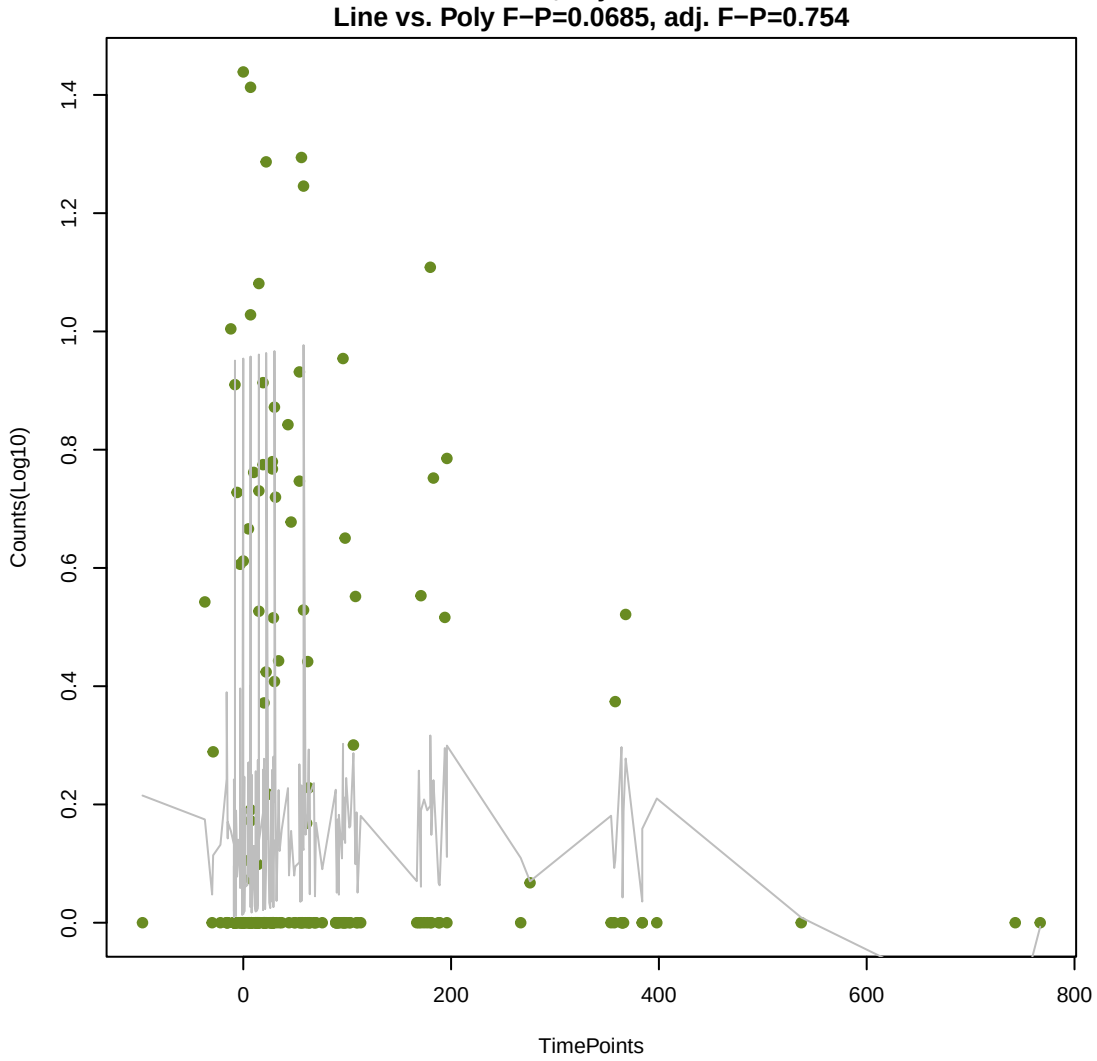


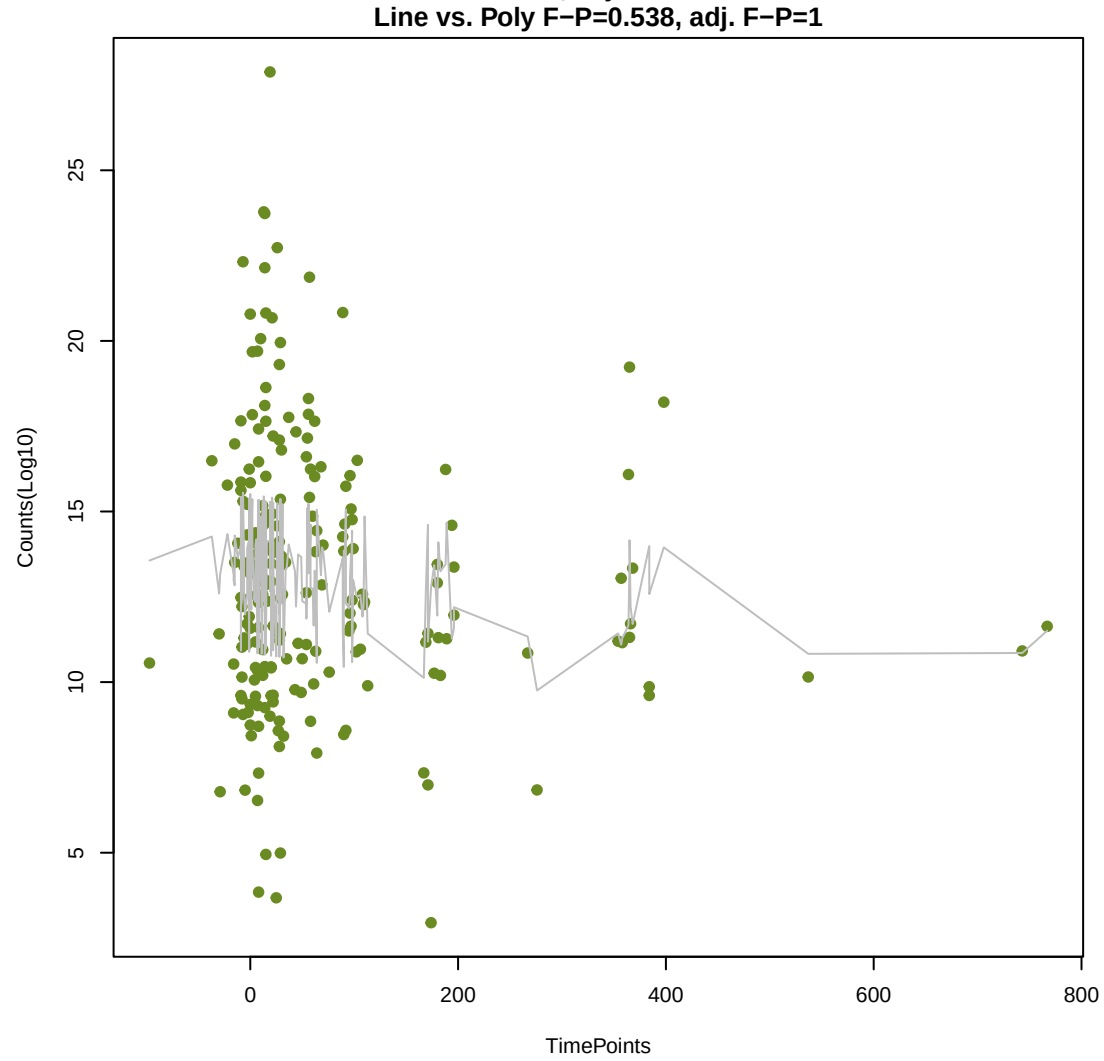
subclass B3 PEDO beta−lactamase
ANOVA P=0.279, adj. ANOVA−P=0.596
Line vs. Poly F−P=0.809, adj. F−P=1

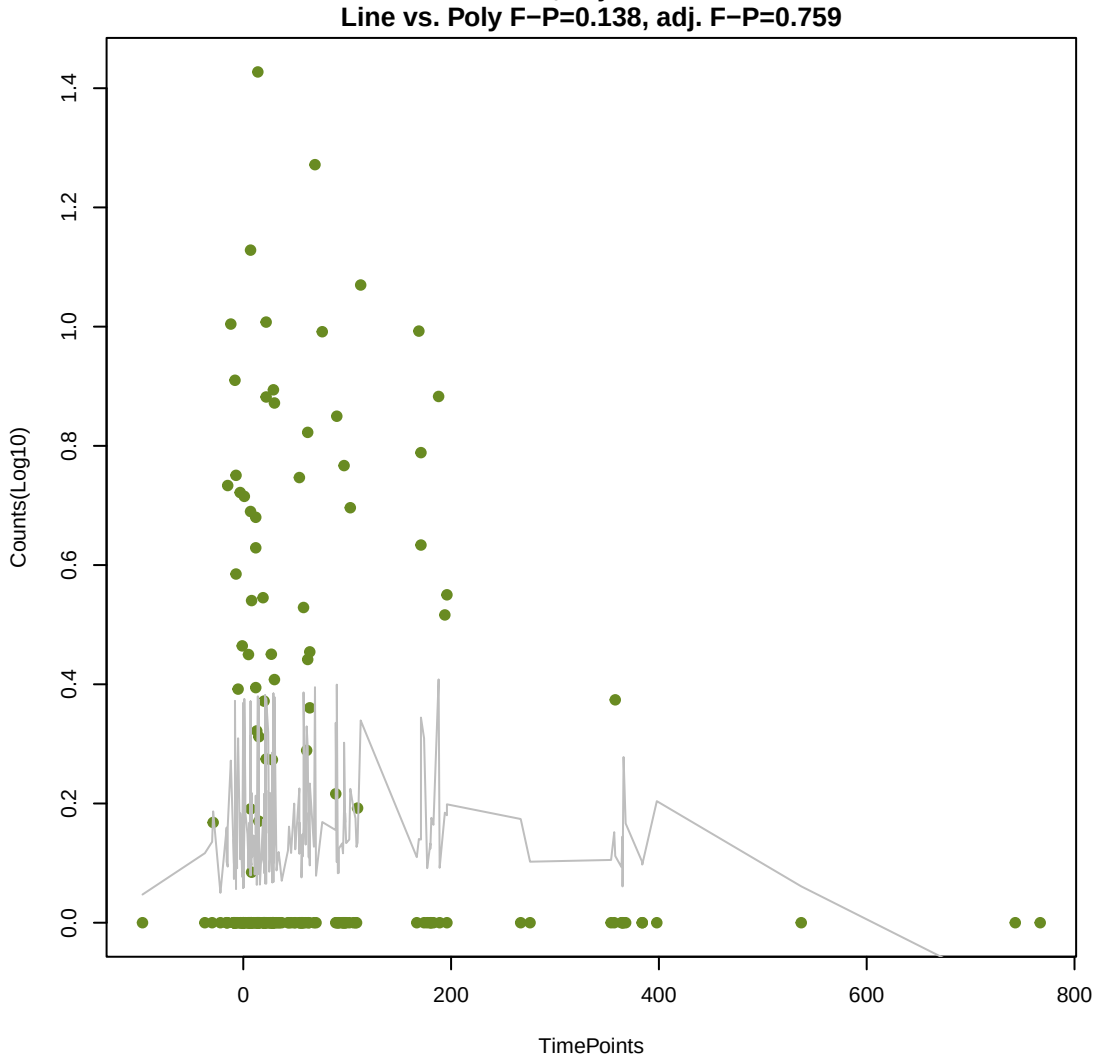


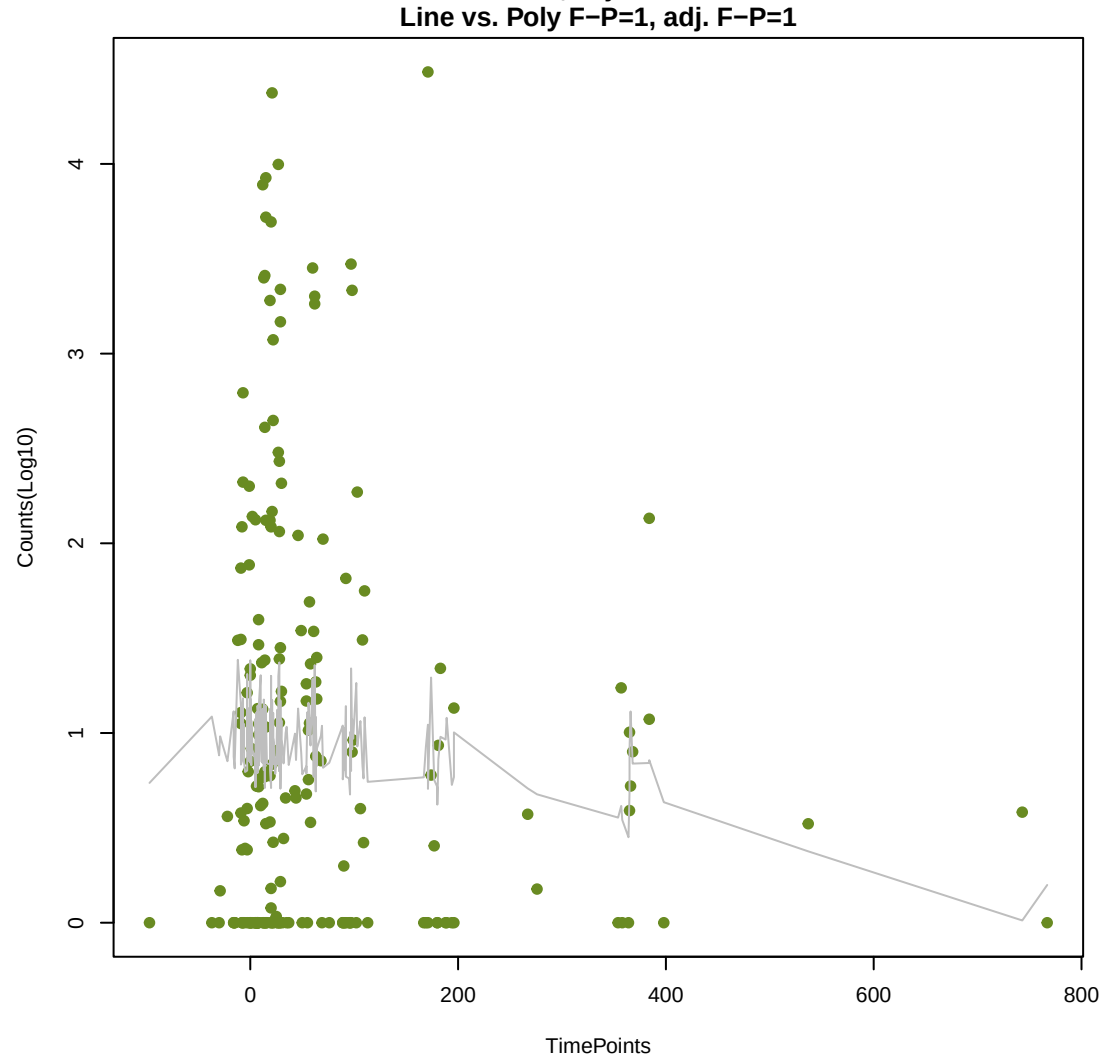

RSA beta−lactamase
ANOVA P=0.305, adj. ANOVA−P=0.598
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

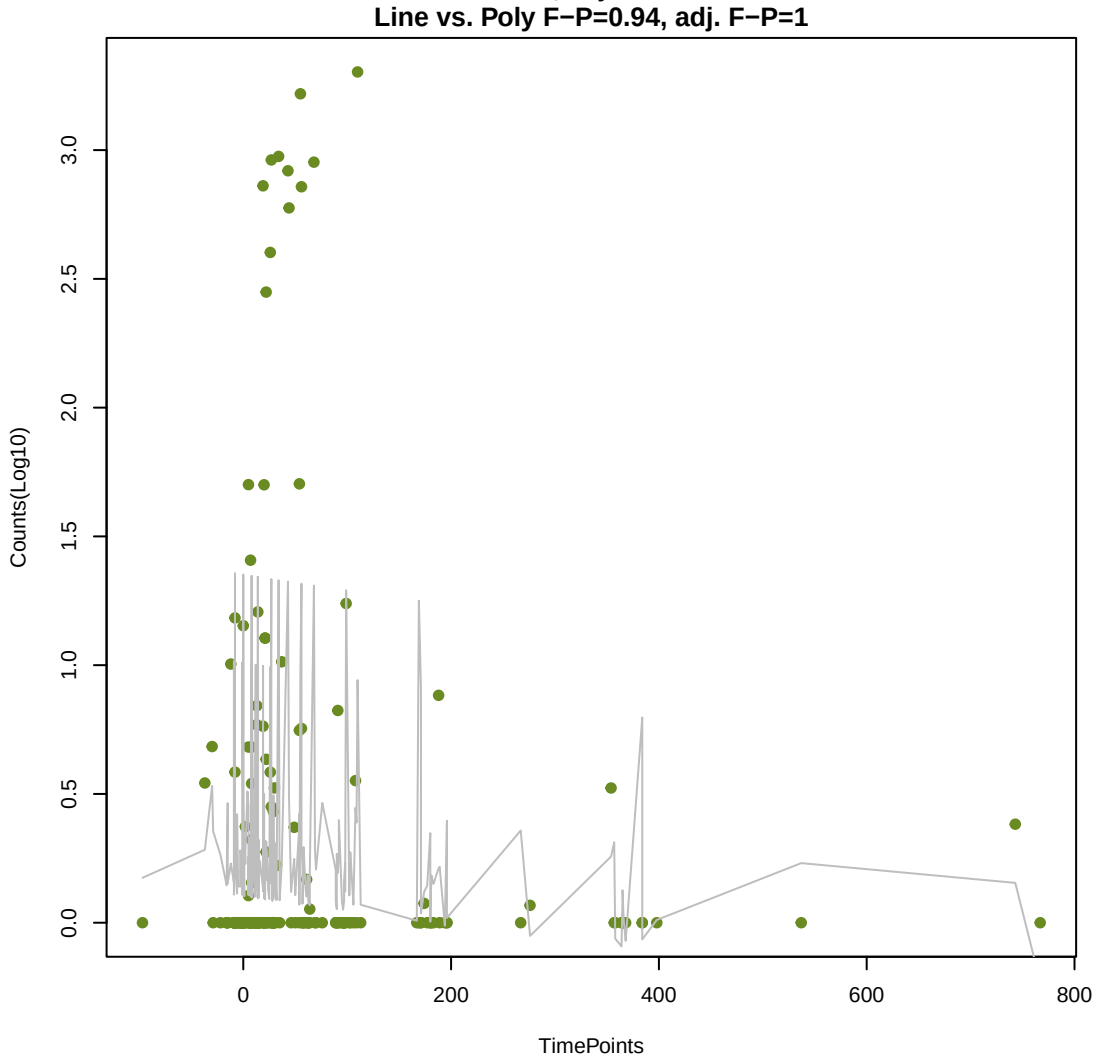

fosfomycin thiol transferase
ANOVA P=0.306, adj. ANOVA−P=0.598
Line vs. Poly F−P=0.362, adj. F−P=1
Counts(Log10)
TimePoints

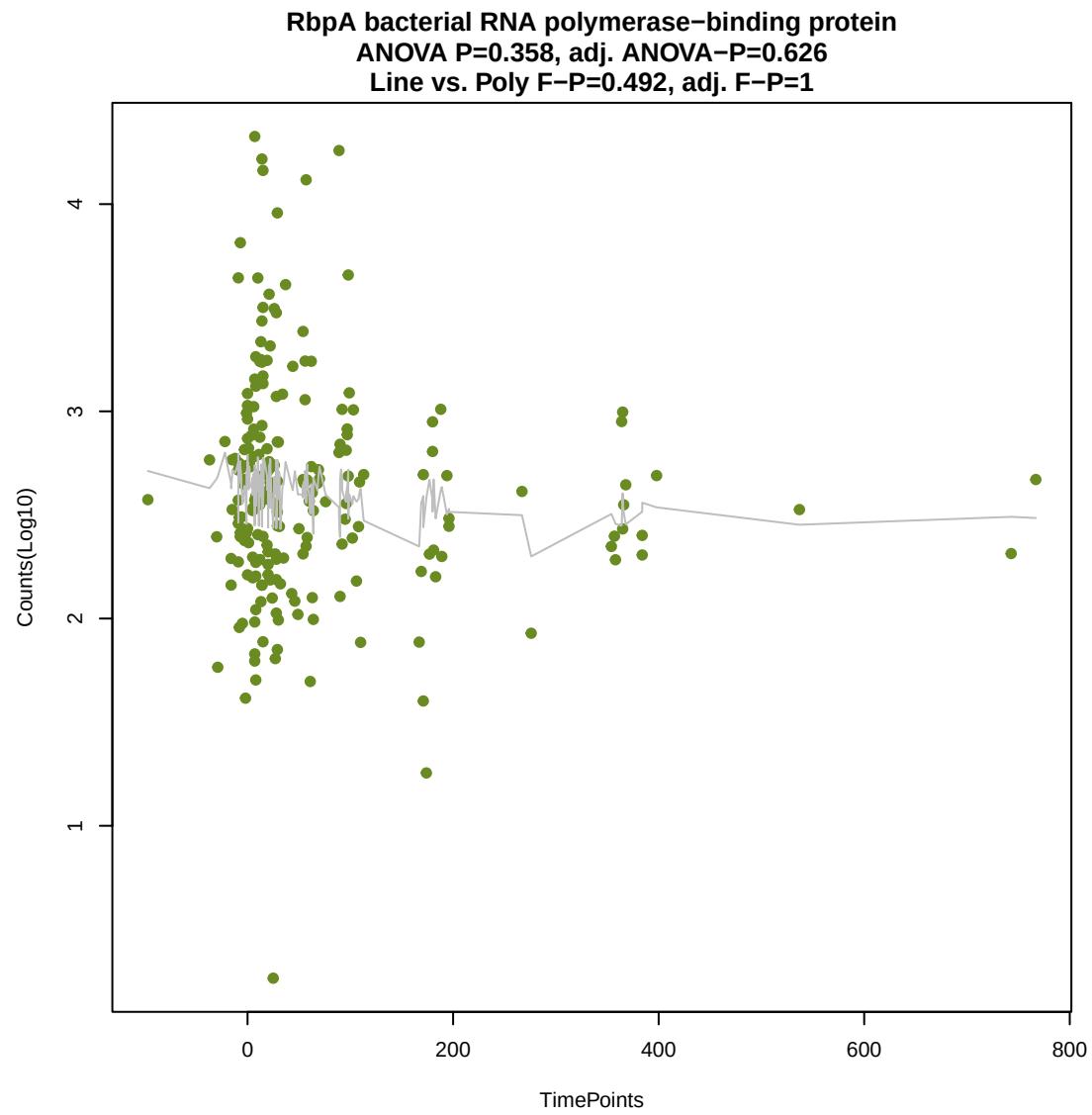

Bah amidohydrolase
ANOVA P=0.309, adj. ANOVA−P=0.598
Line vs. Poly F−P=0.0685, adj. F−P=0.754
Counts(Log10)
TimePoints

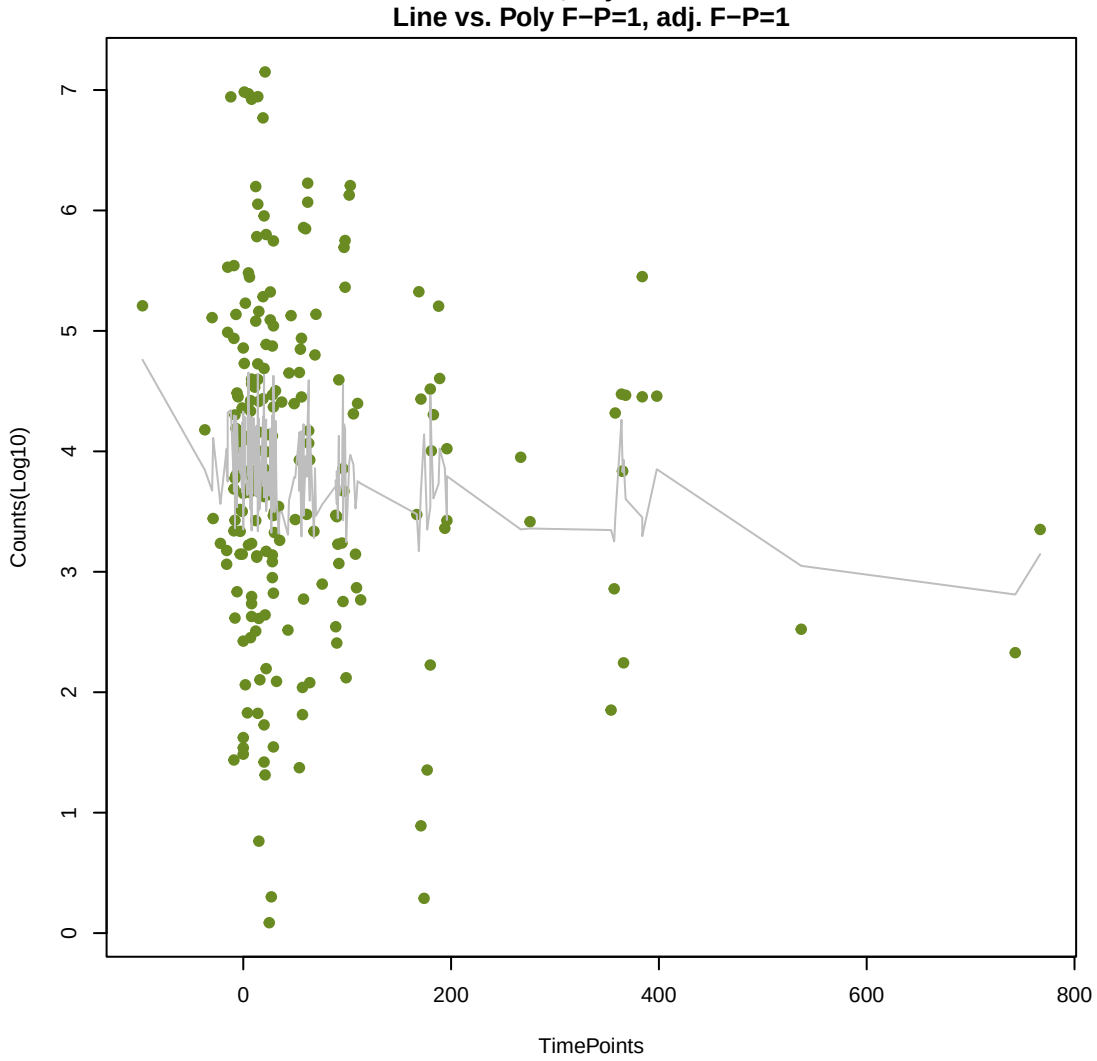

trimethoprim resistant dihydrofolate reductase dfr
ANOVA P=0.311, adj. ANOVA−P=0.598
Line vs. Poly F−P=0.538, adj. F−P=1
Counts(Log10)
TimePoints

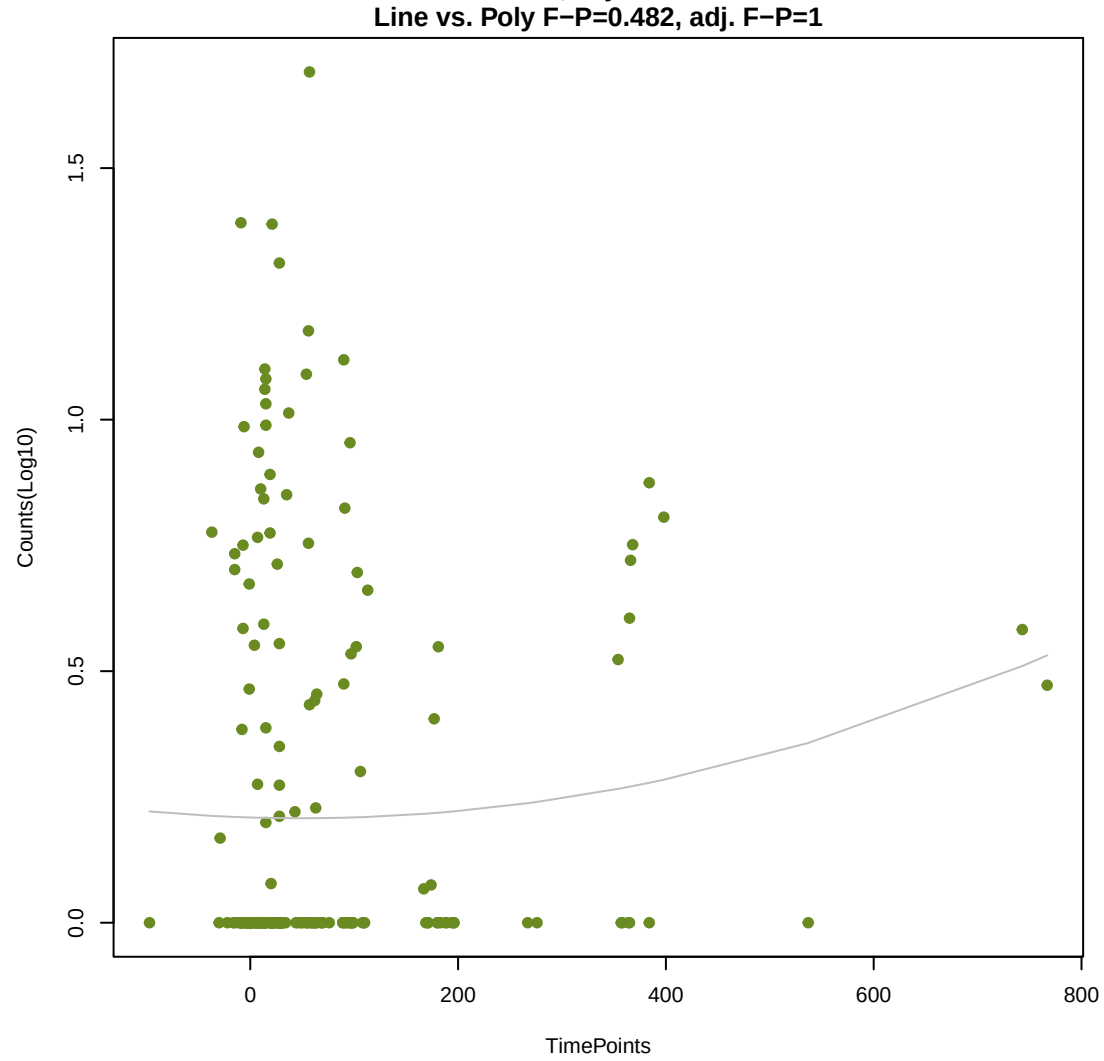

ERP beta−lactamase
ANOVA P=0.319, adj. ANOVA−P=0.599
Line vs. Poly F−P=0.138, adj. F−P=0.759
Counts(Log10)
TimePoints

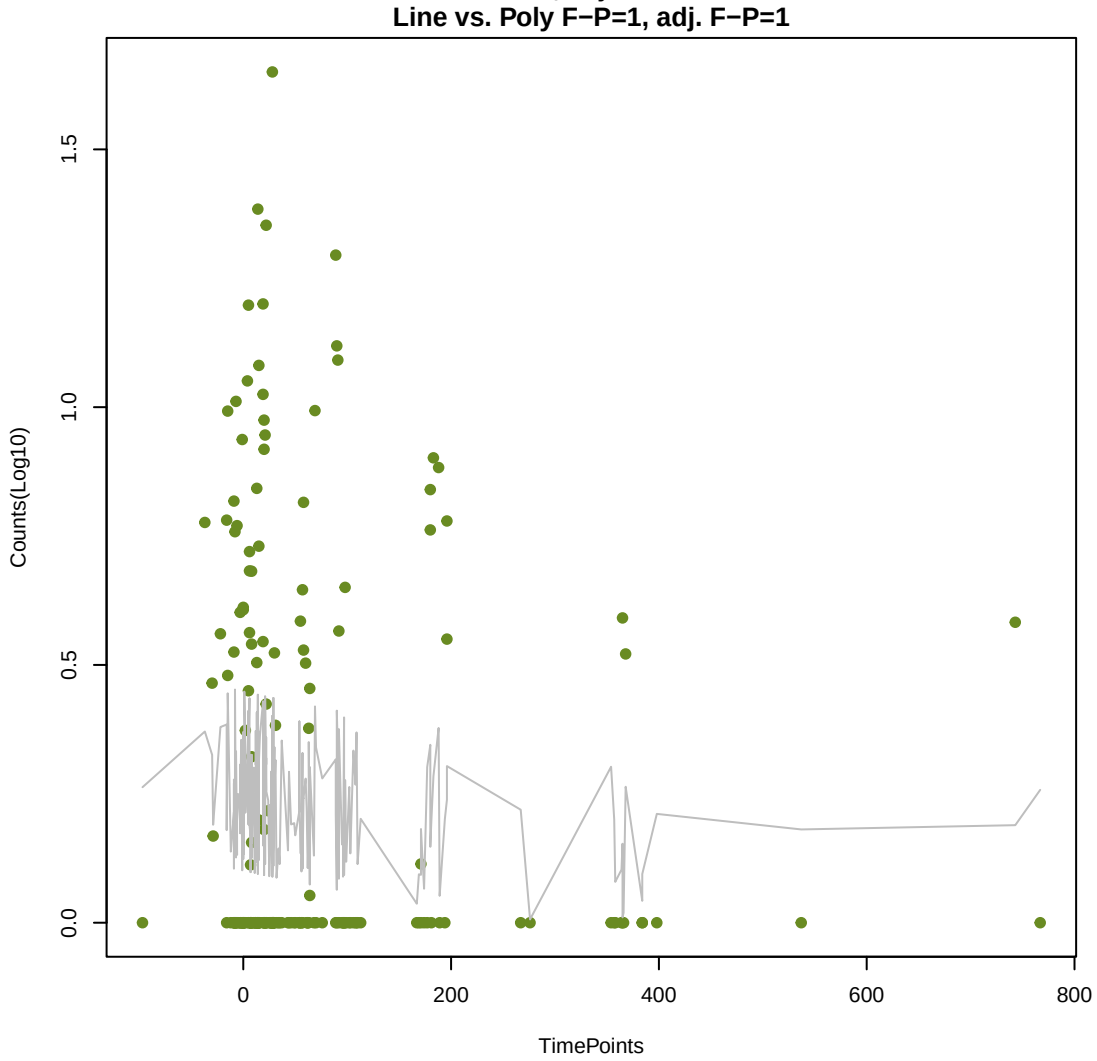

multidrug and toxic compound extrusion (MATE) transporter
ANOVA P=0.352, adj. ANOVA−P=0.626
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

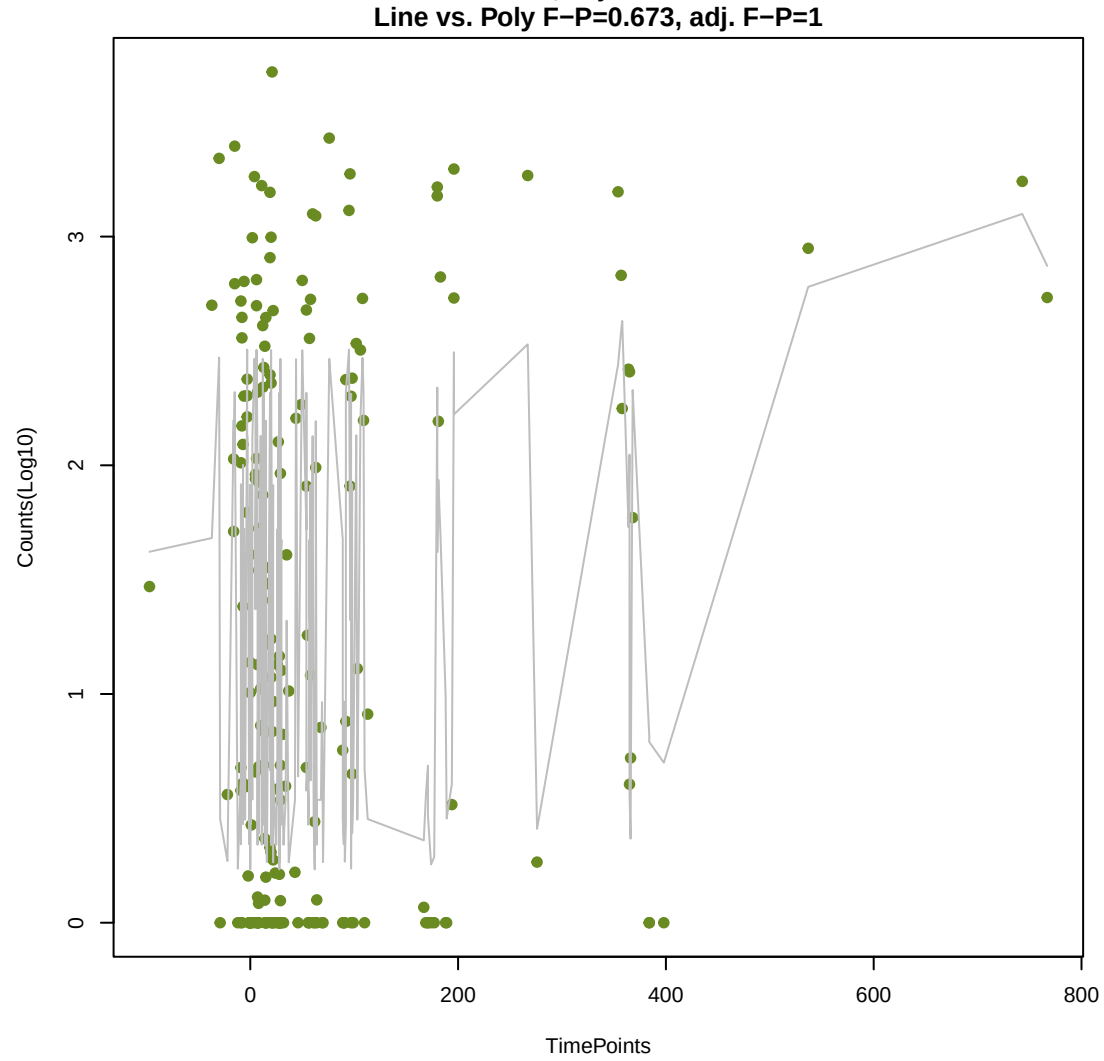

ANT(4')
ANOVA P=0.356, adj. ANOVA−P=0.626
Line vs. Poly F−P=0.94, adj. F−P=1
Counts(Log10)
TimePoints

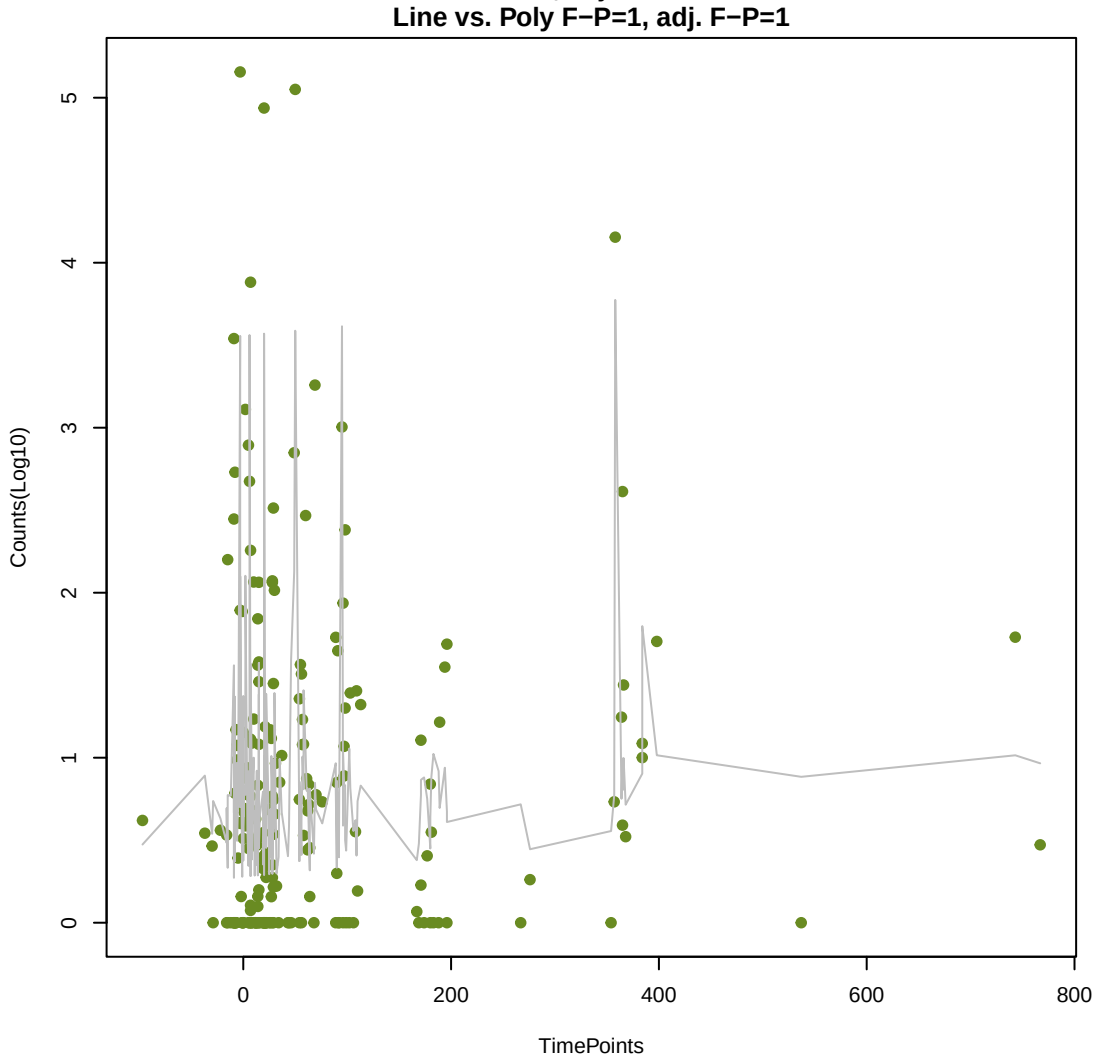

RbpA bacterial RNA polymerase−binding protein
ANOVA P=0.358, adj. ANOVA−P=0.626
Line vs. Poly F−P=0.492, adj. F−P=1
Counts(Log10)
TimePoints

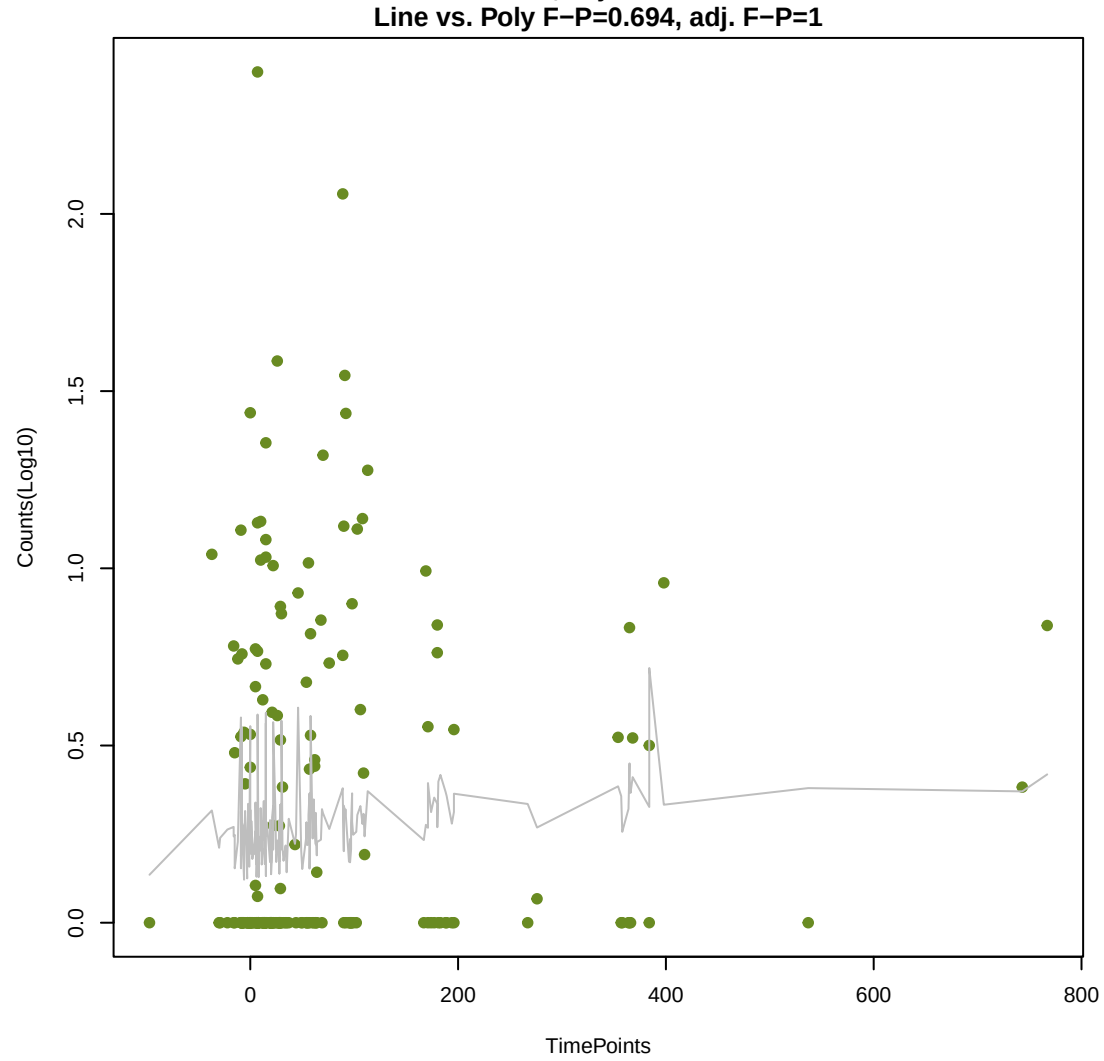

msr−type ABC−F protein
ANOVA P=0.374, adj. ANOVA−P=0.64
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

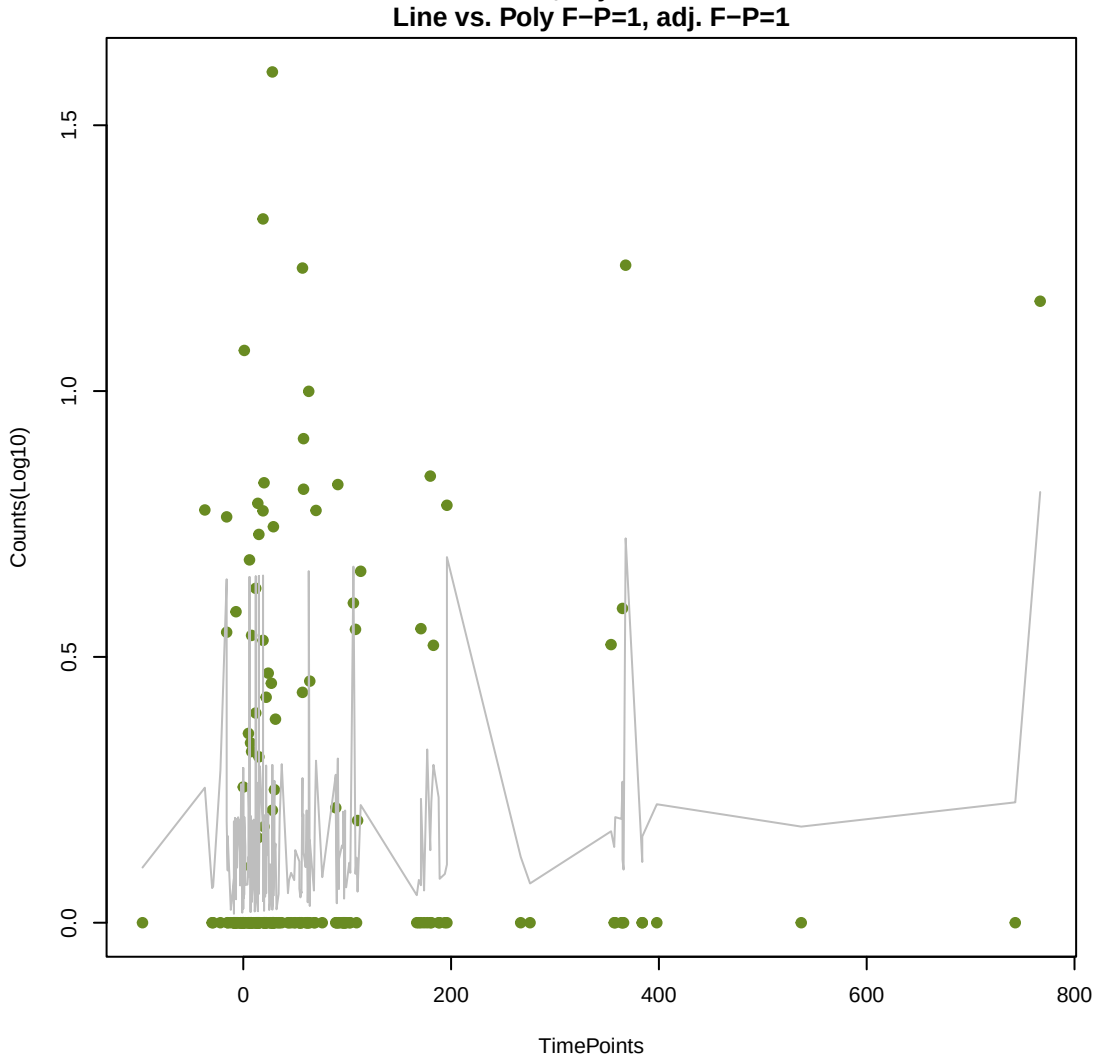

OKP beta−lactamase
ANOVA P=0.406, adj. ANOVA−P=0.679
Line vs. Poly F−P=0.482, adj. F−P=1
Counts(Log10)
TimePoints

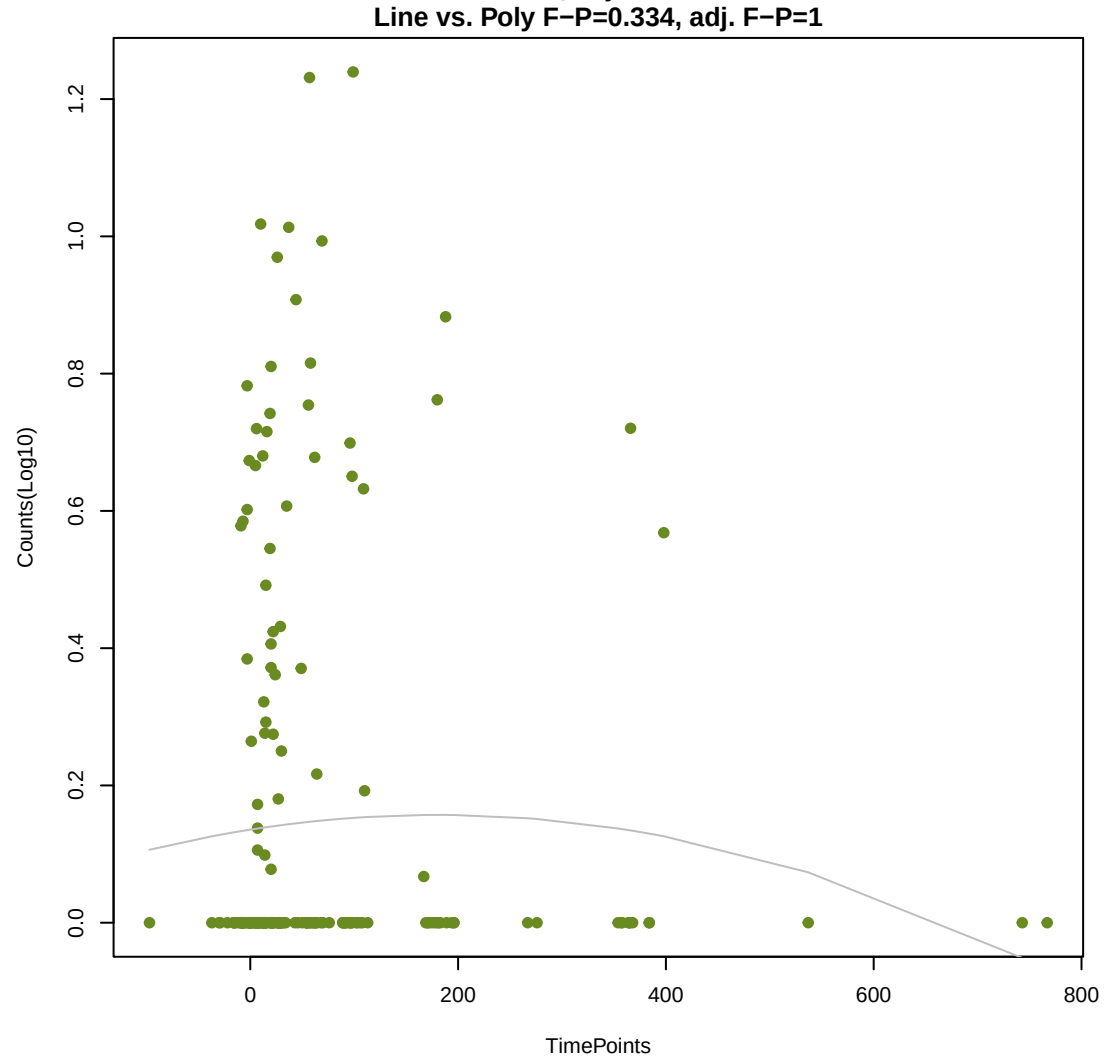

HERA beta−lactamase
ANOVA P=0.429, adj. ANOVA−P=0.703
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

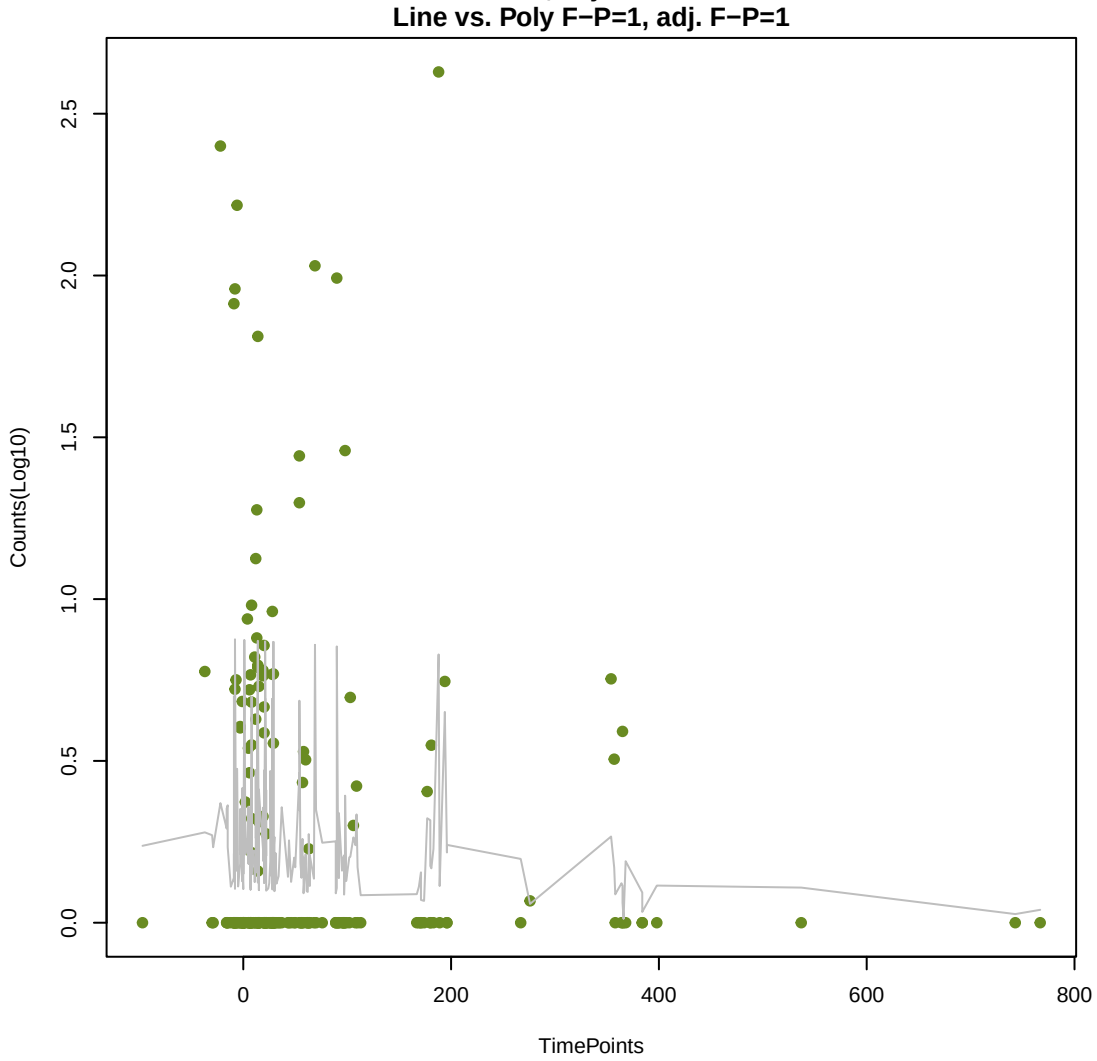

CblA beta−lactamase
ANOVA P=0.45, adj. ANOVA−P=0.707
Line vs. Poly F−P=0.673, adj. F−P=1
Counts(Log10)
TimePoints

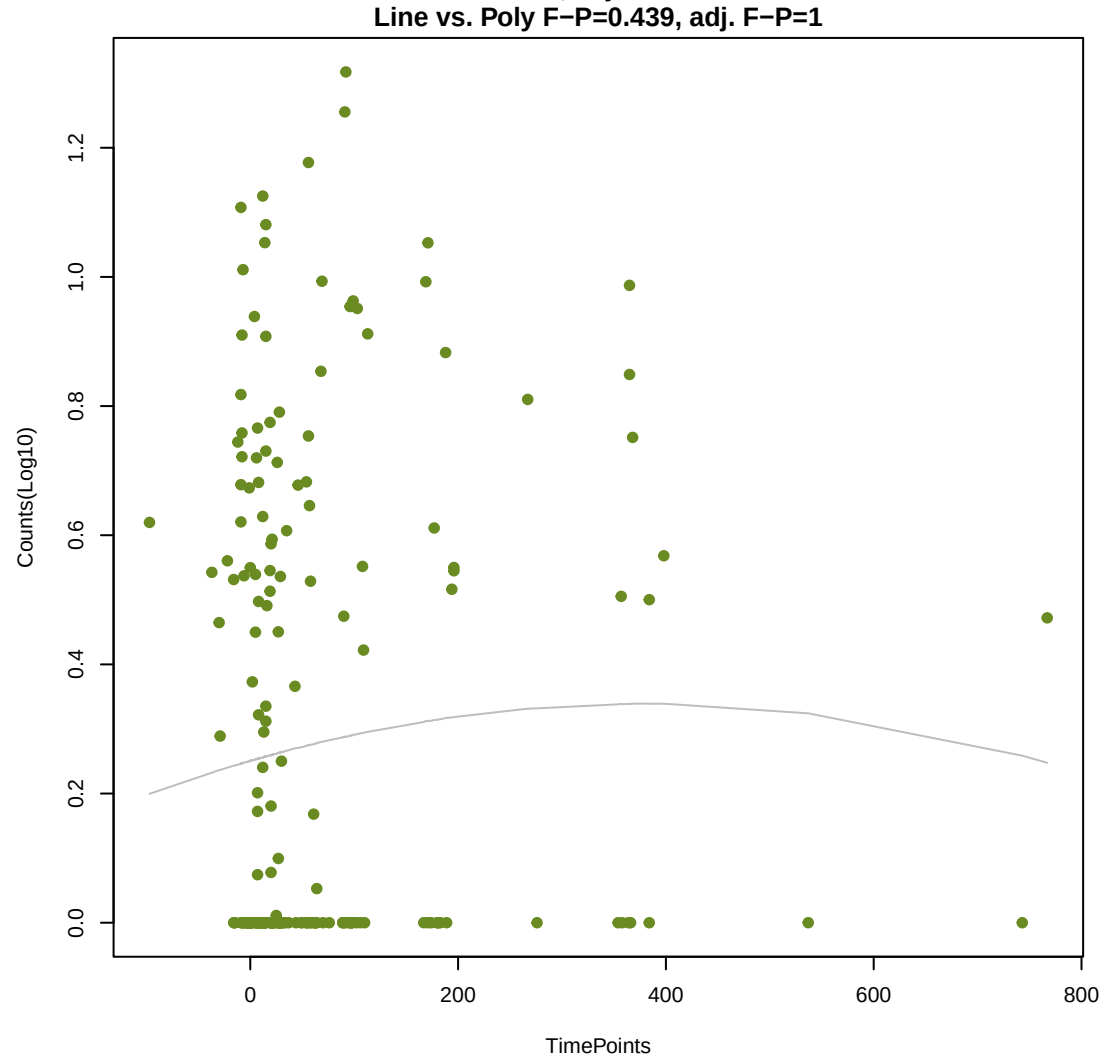

OXA beta−lactamase
ANOVA P=0.451, adj. ANOVA−P=0.707
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

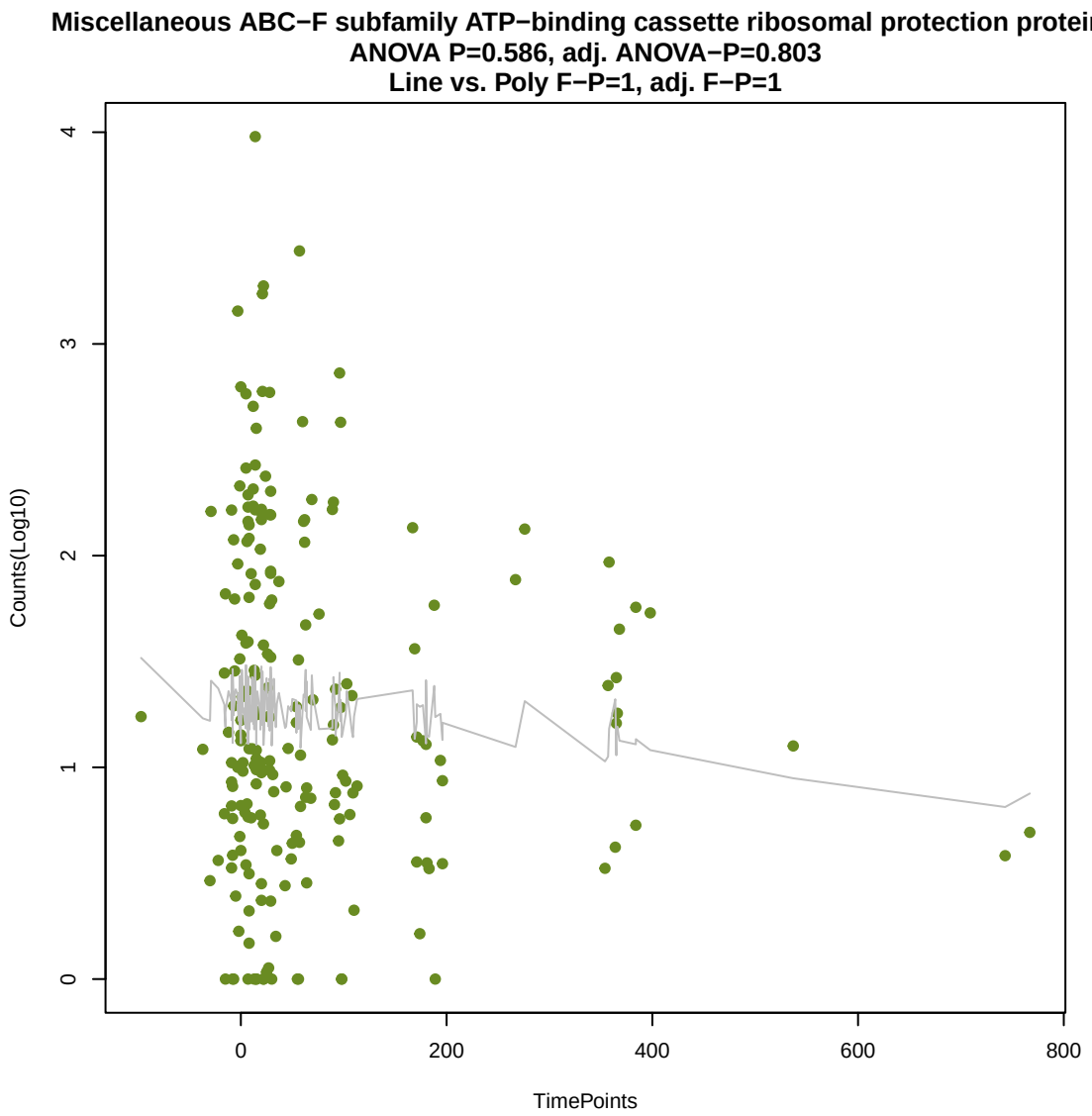

rifampin phosphotransferase
ANOVA P=0.46, adj. ANOVA−P=0.707
Line vs. Poly F−P=0.694, adj. F−P=1
Counts(Log10)
TimePoints

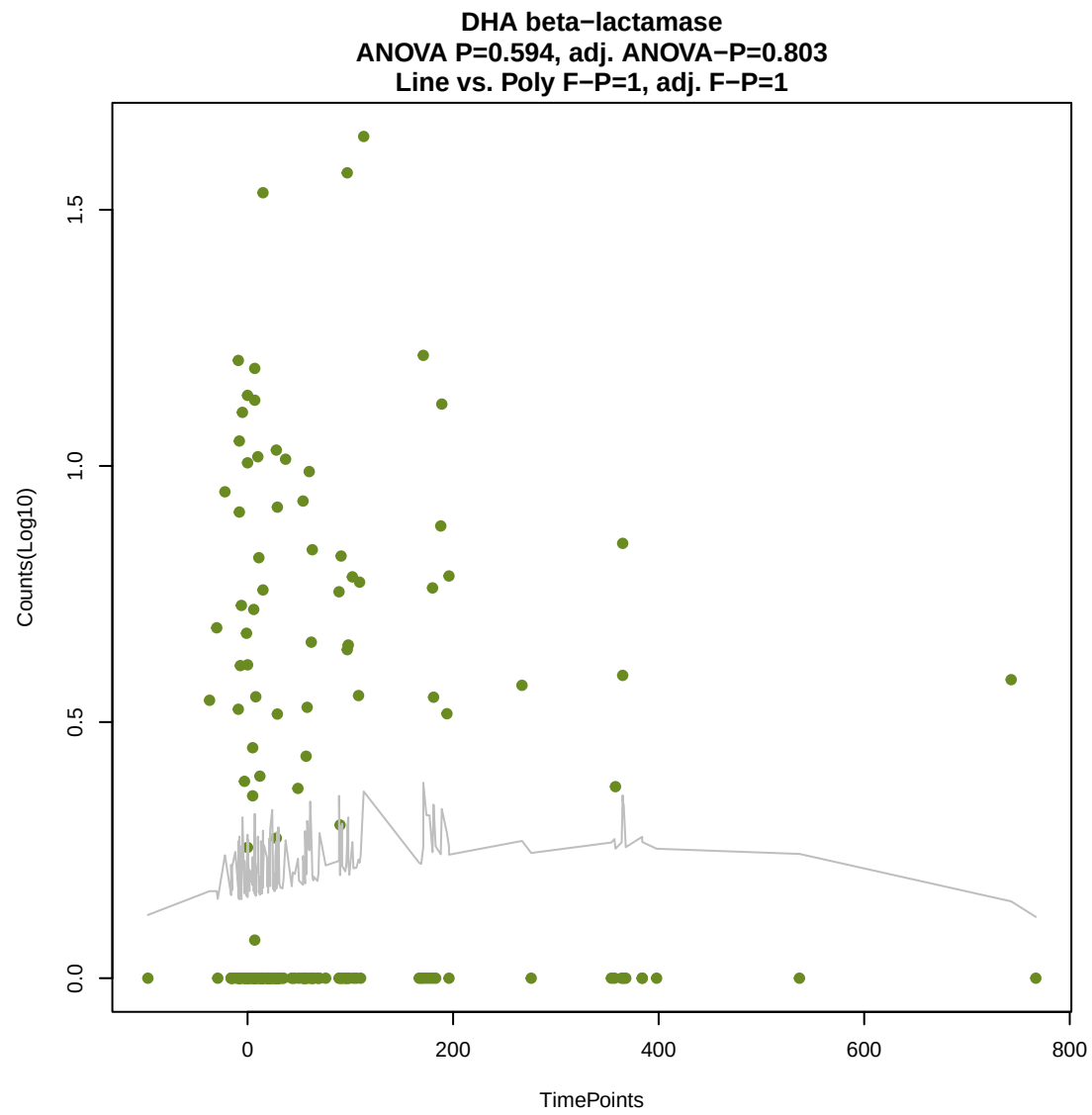

CARB beta−lactamase
ANOVA P=0.469, adj. ANOVA−P=0.707
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

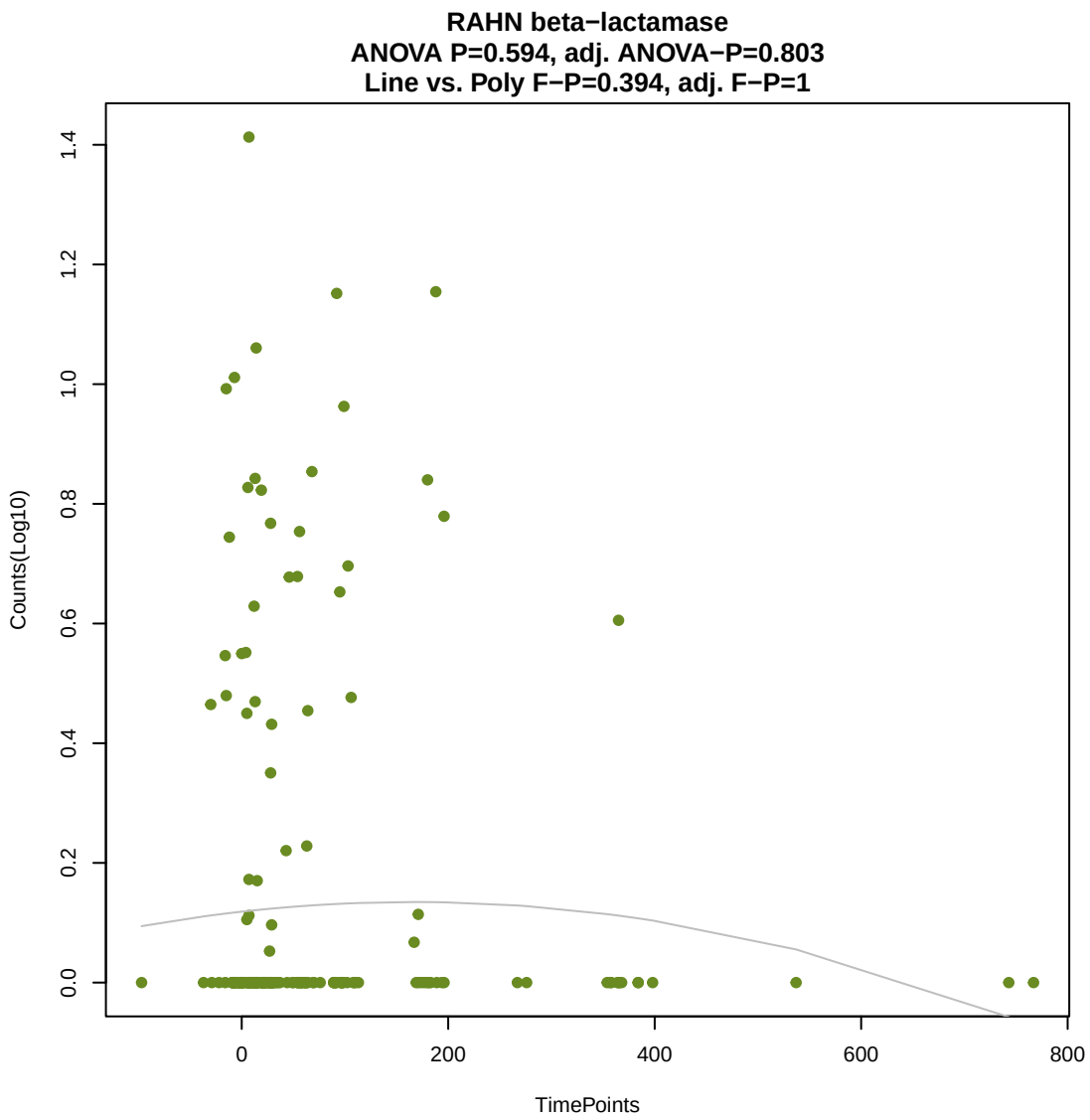

MCR phosphoethanolamine transferase
ANOVA P=0.545, adj. ANOVA−P=0.803
Line vs. Poly F−P=0.334, adj. F−P=1
Counts(Log10)
TimePoints

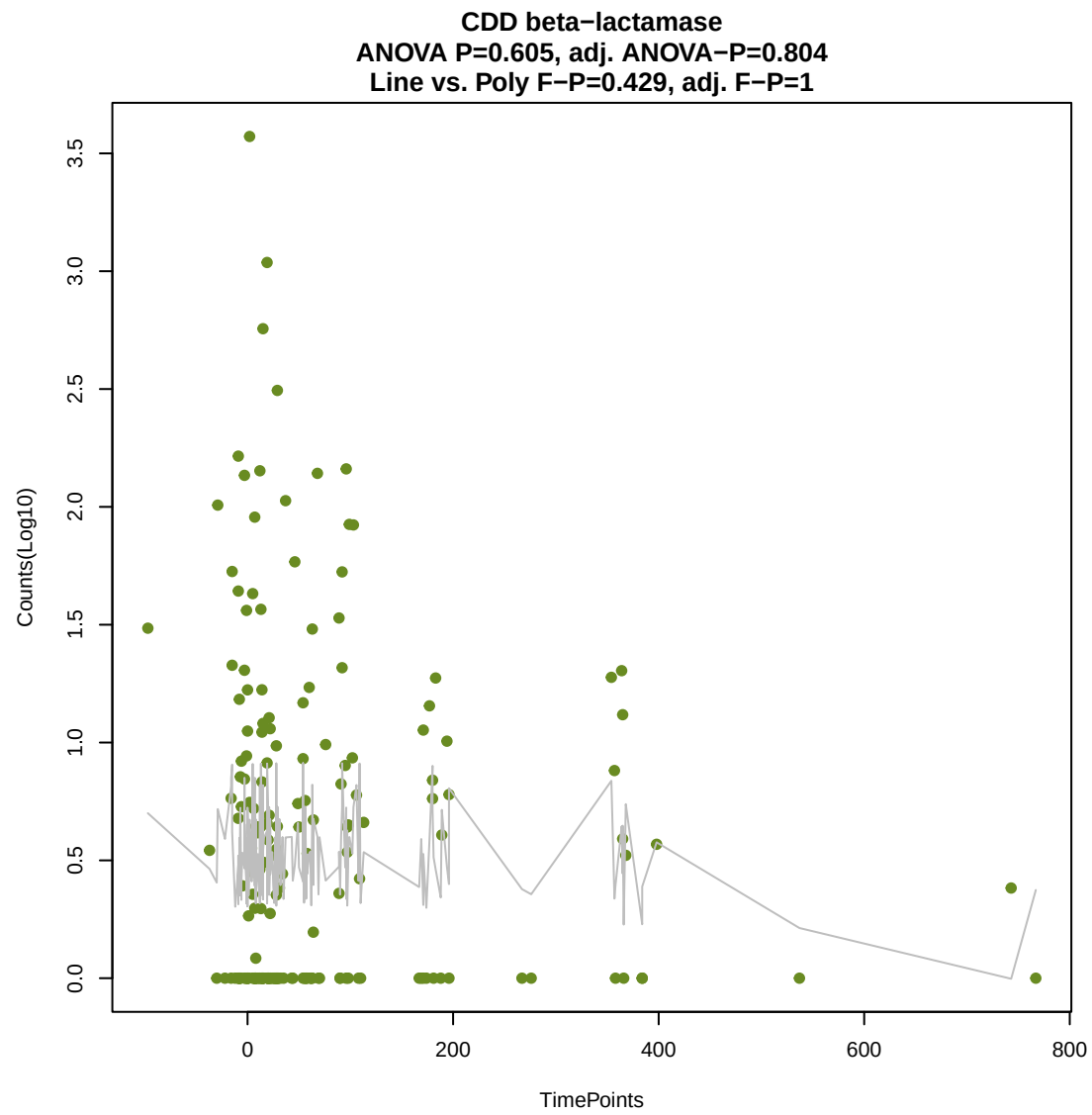

CepA beta−lactamase
ANOVA P=0.58, adj. ANOVA−P=0.803
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

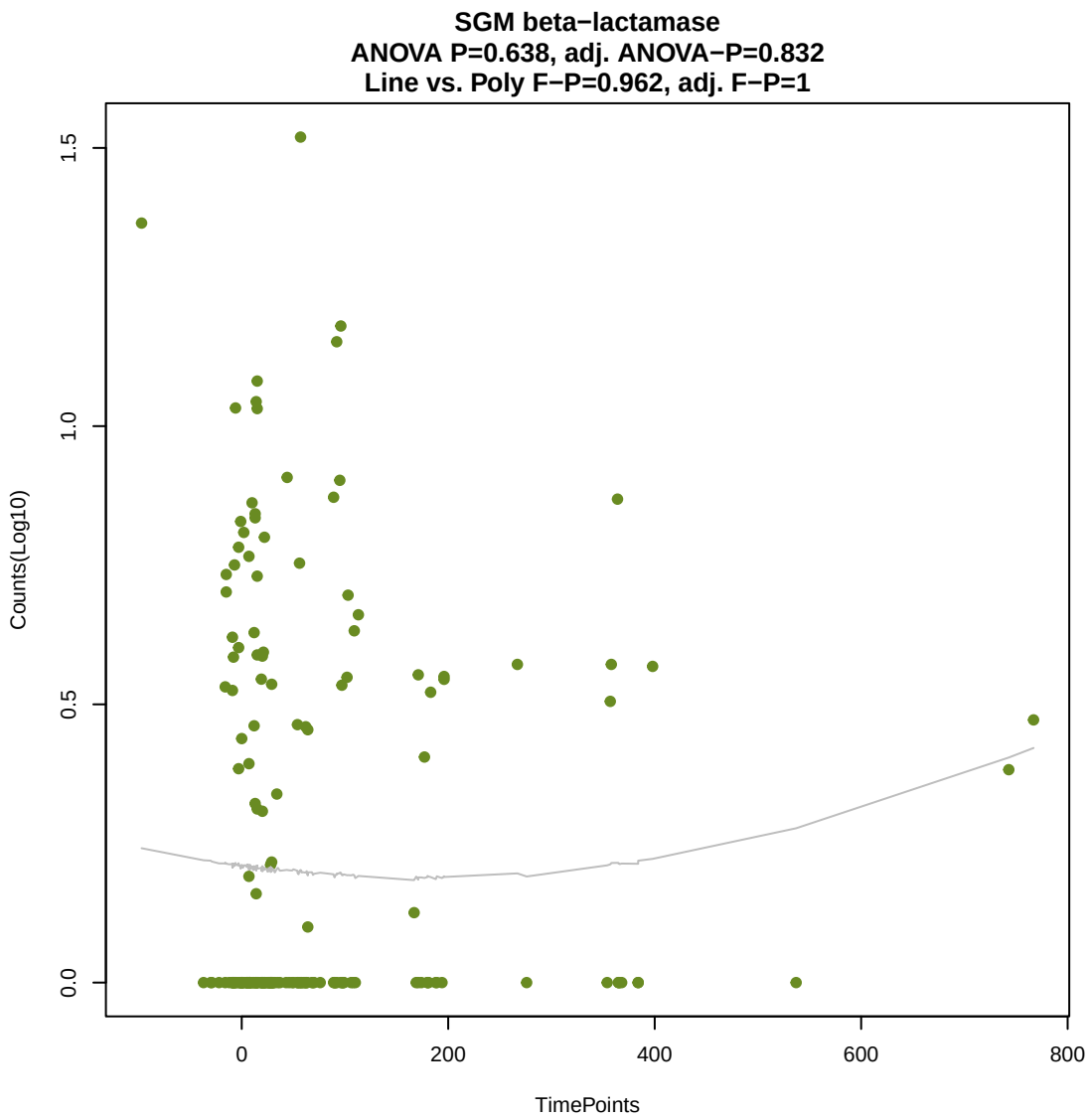

LHK beta−lactamase
ANOVA P=0.583, adj. ANOVA−P=0.803
Line vs. Poly F−P=0.439, adj. F−P=1
Counts(Log10)
TimePoints

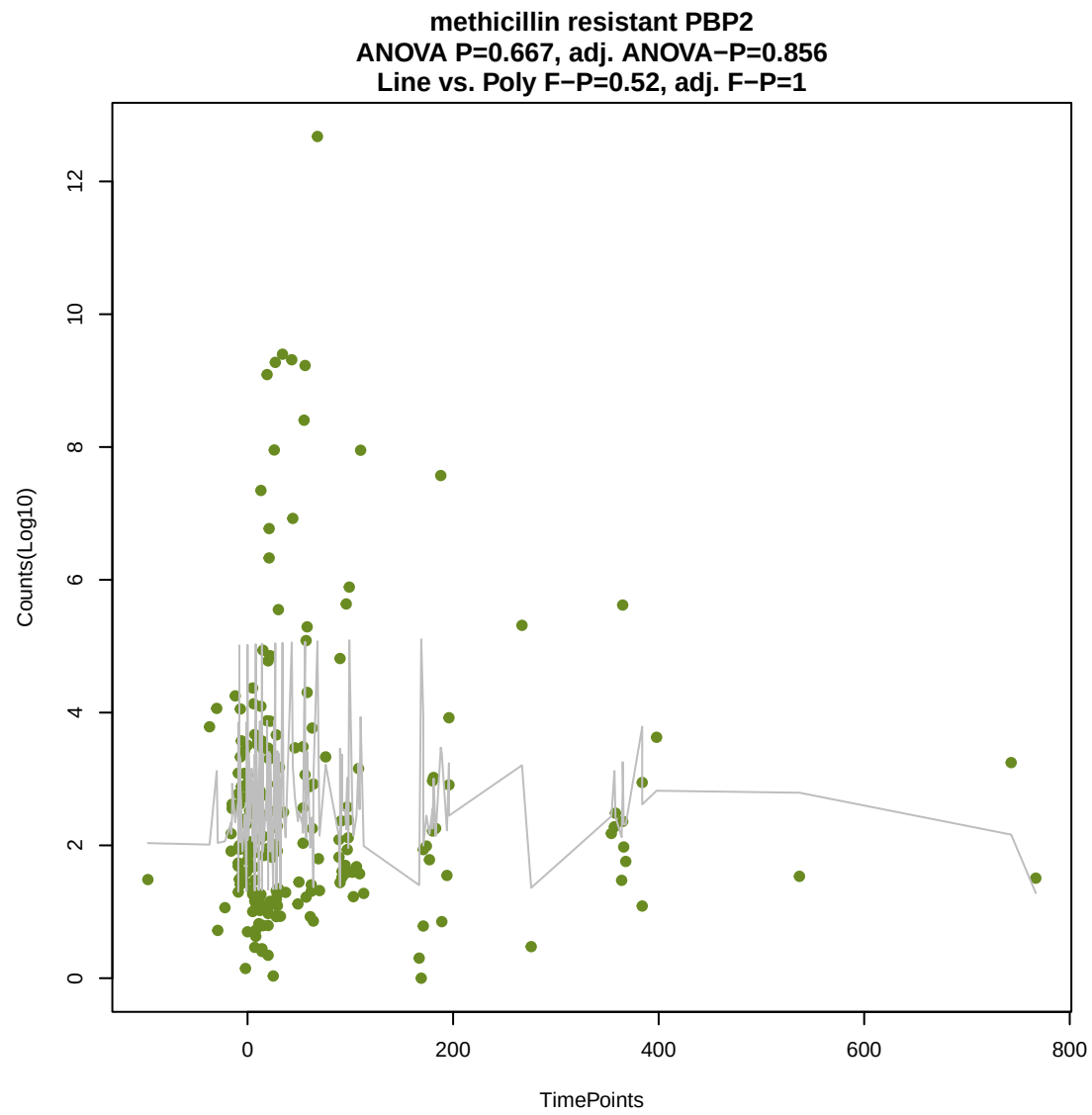

Miscellaneous ABC−F subfamily ATP−binding cassette ribosomal protection protei
ANOVA P=0.586, adj. ANOVA−P=0.803
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

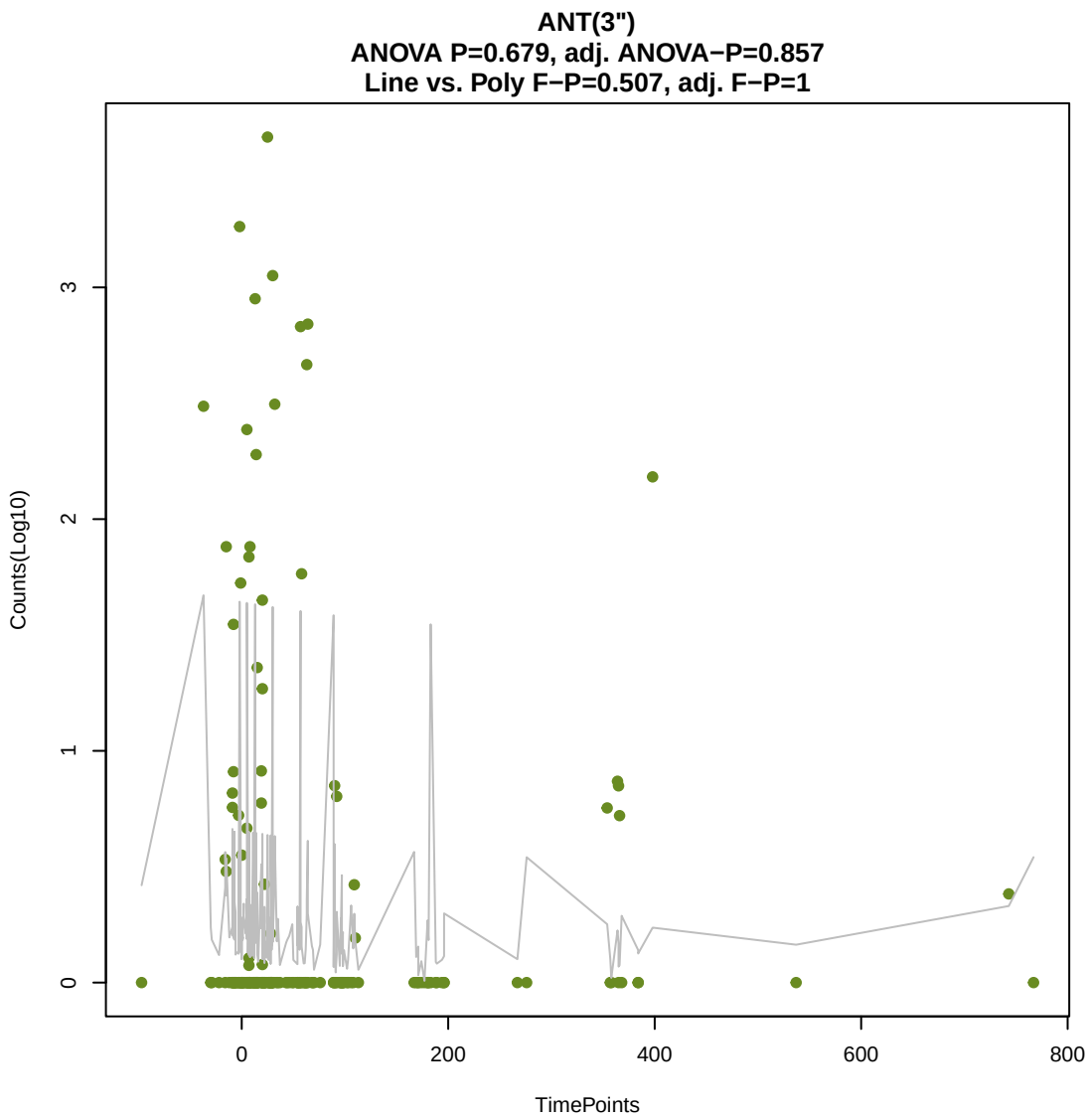

DHA beta−lactamase
ANOVA P=0.594, adj. ANOVA−P=0.803
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

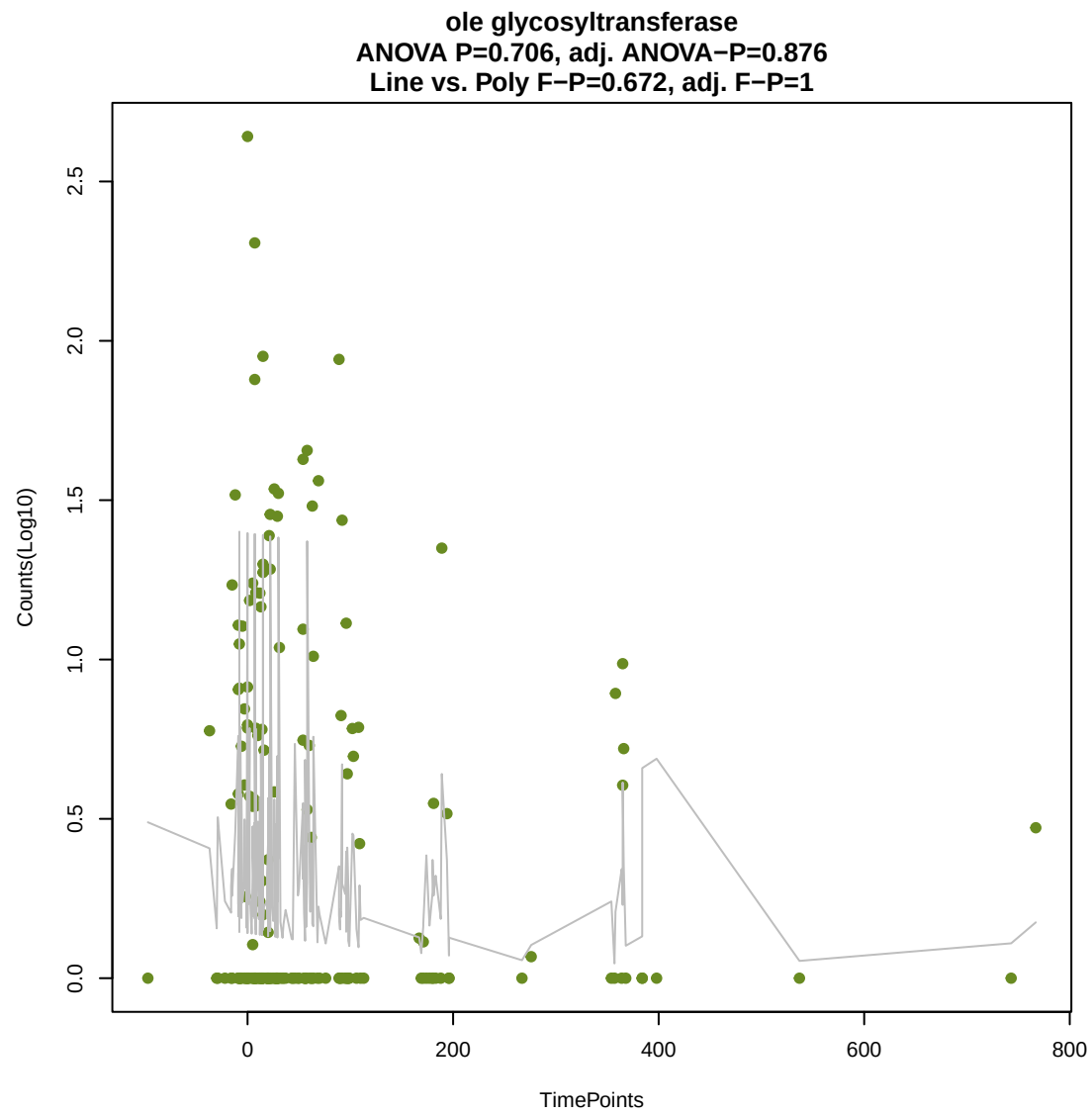

RAHN beta−lactamase
ANOVA P=0.594, adj. ANOVA−P=0.803
Line vs. Poly F−P=0.394, adj. F−P=1
Counts(Log10)
TimePoints

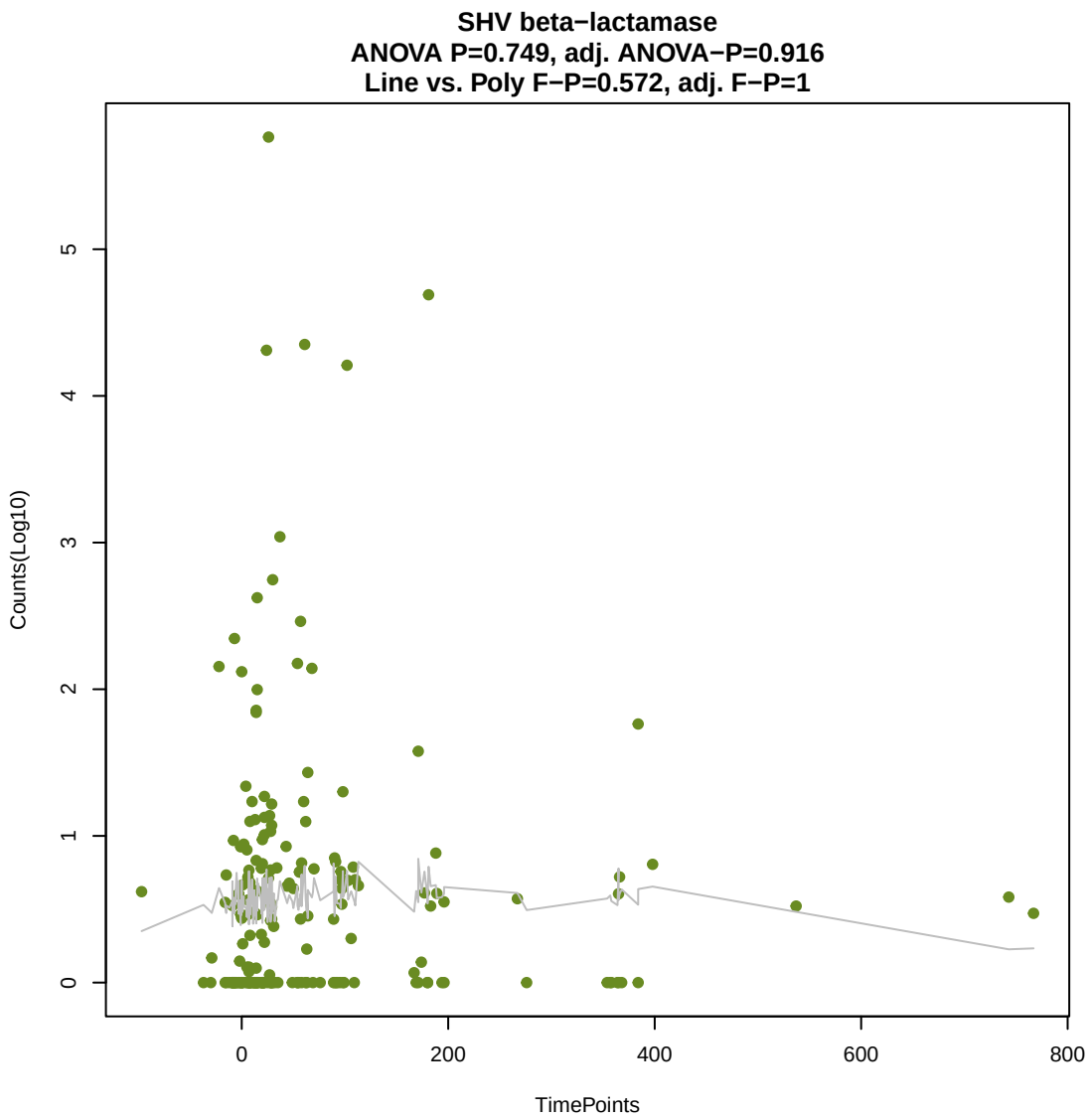

CDD beta−lactamase
ANOVA P=0.605, adj. ANOVA−P=0.804
Line vs. Poly F−P=0.429, adj. F−P=1
Counts(Log10)
TimePoints

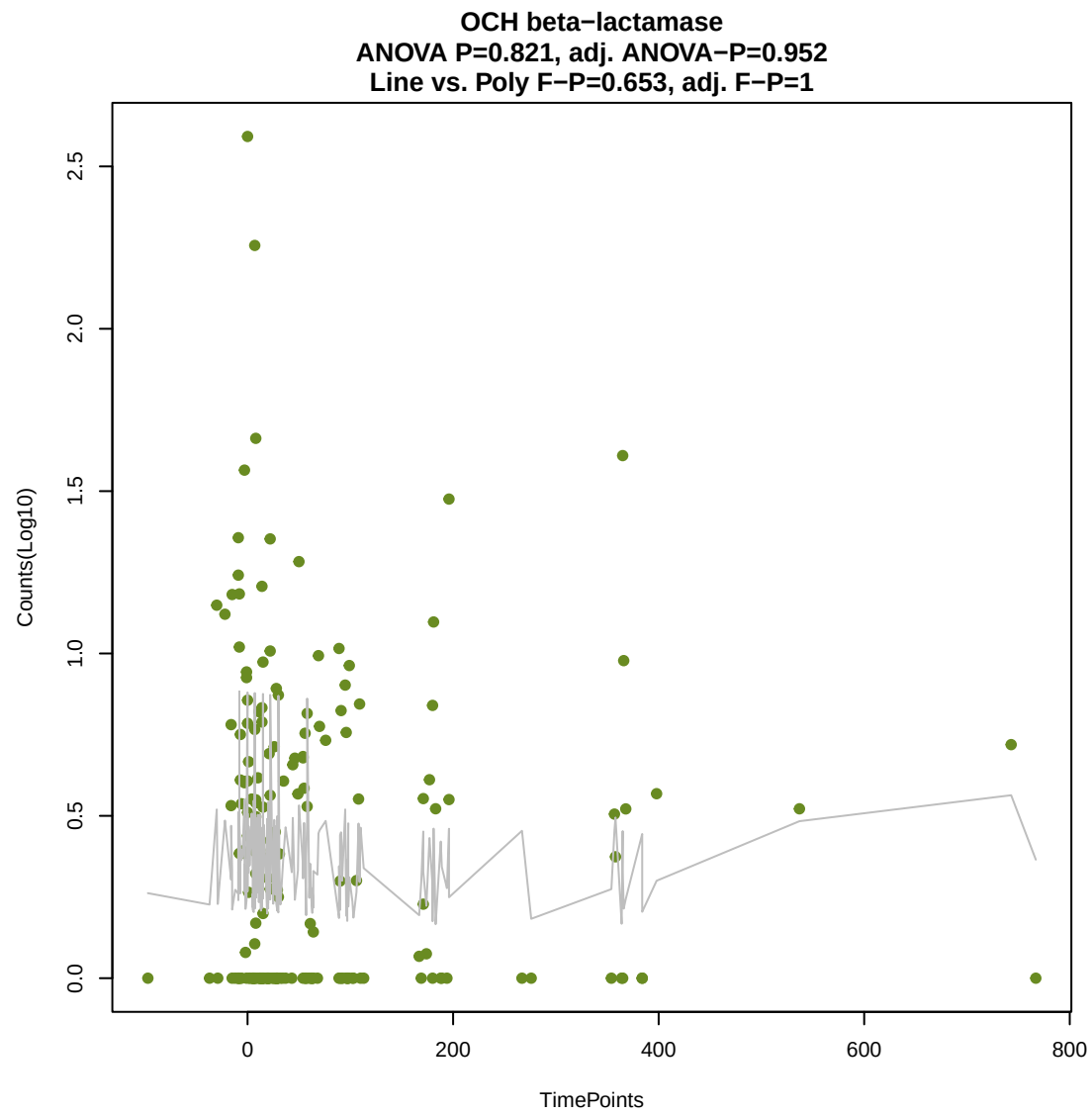

SGM beta−lactamase
ANOVA P=0.638, adj. ANOVA−P=0.832
Line vs. Poly F−P=0.962, adj. F−P=1
Counts(Log10)
TimePoints

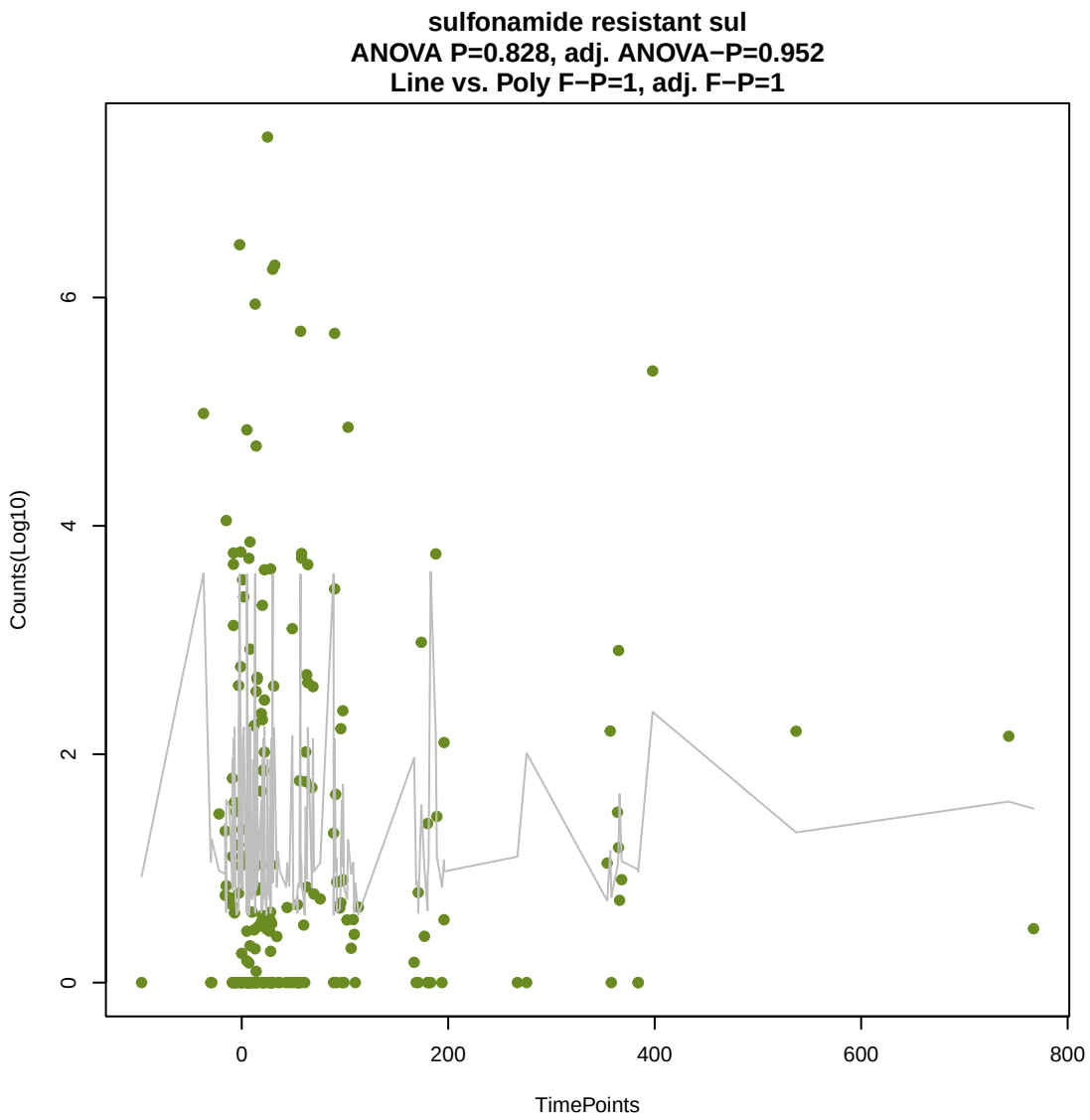

methicillin resistant PBP2
ANOVA P=0.667, adj. ANOVA−P=0.856
Line vs. Poly F−P=0.52, adj. F−P=1
Counts(Log10)
TimePoints

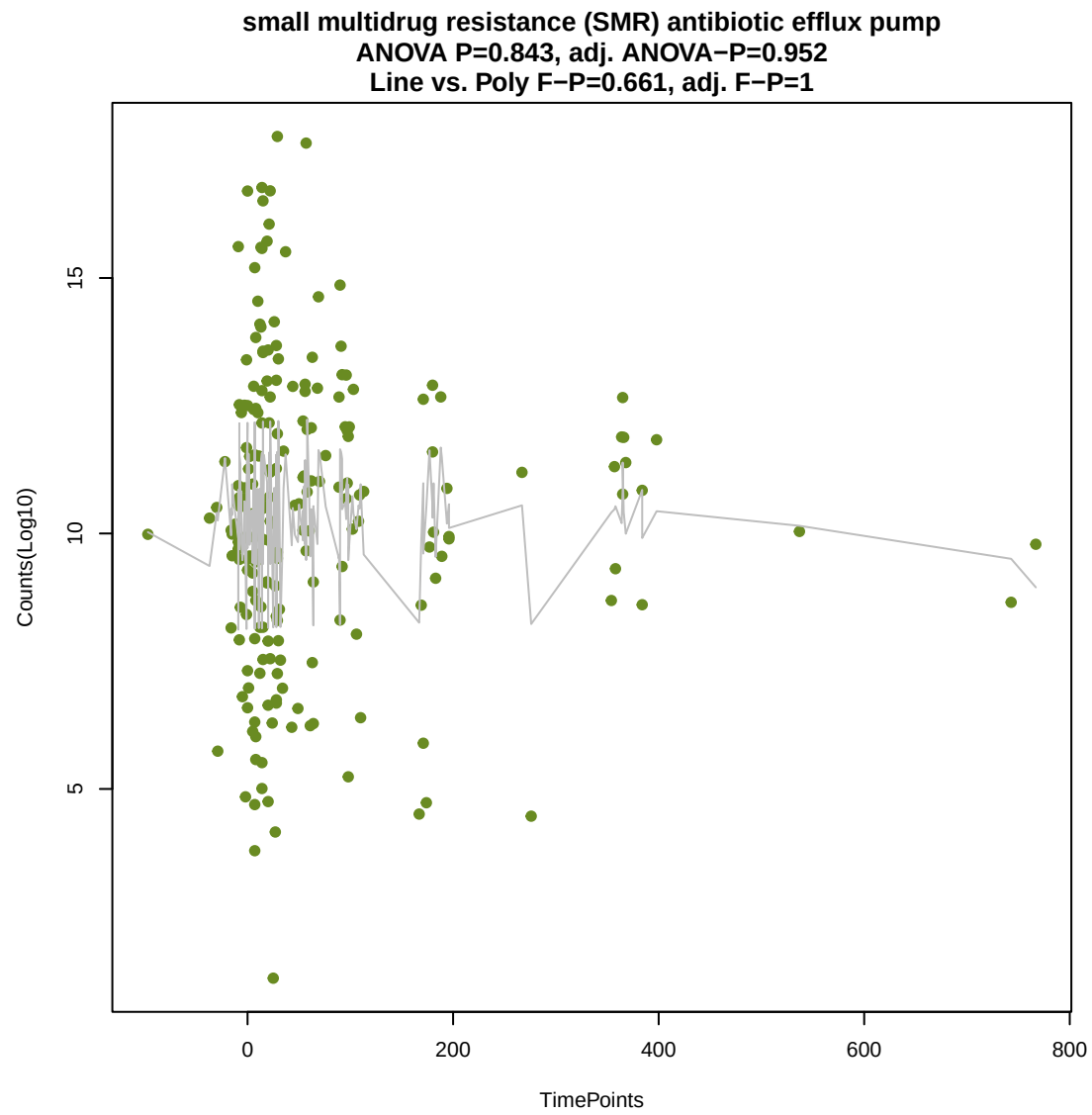

ANT(3")
ANOVA P=0.679, adj. ANOVA−P=0.857
Line vs. Poly F−P=0.507, adj. F−P=1
Counts(Log10)
TimePoints

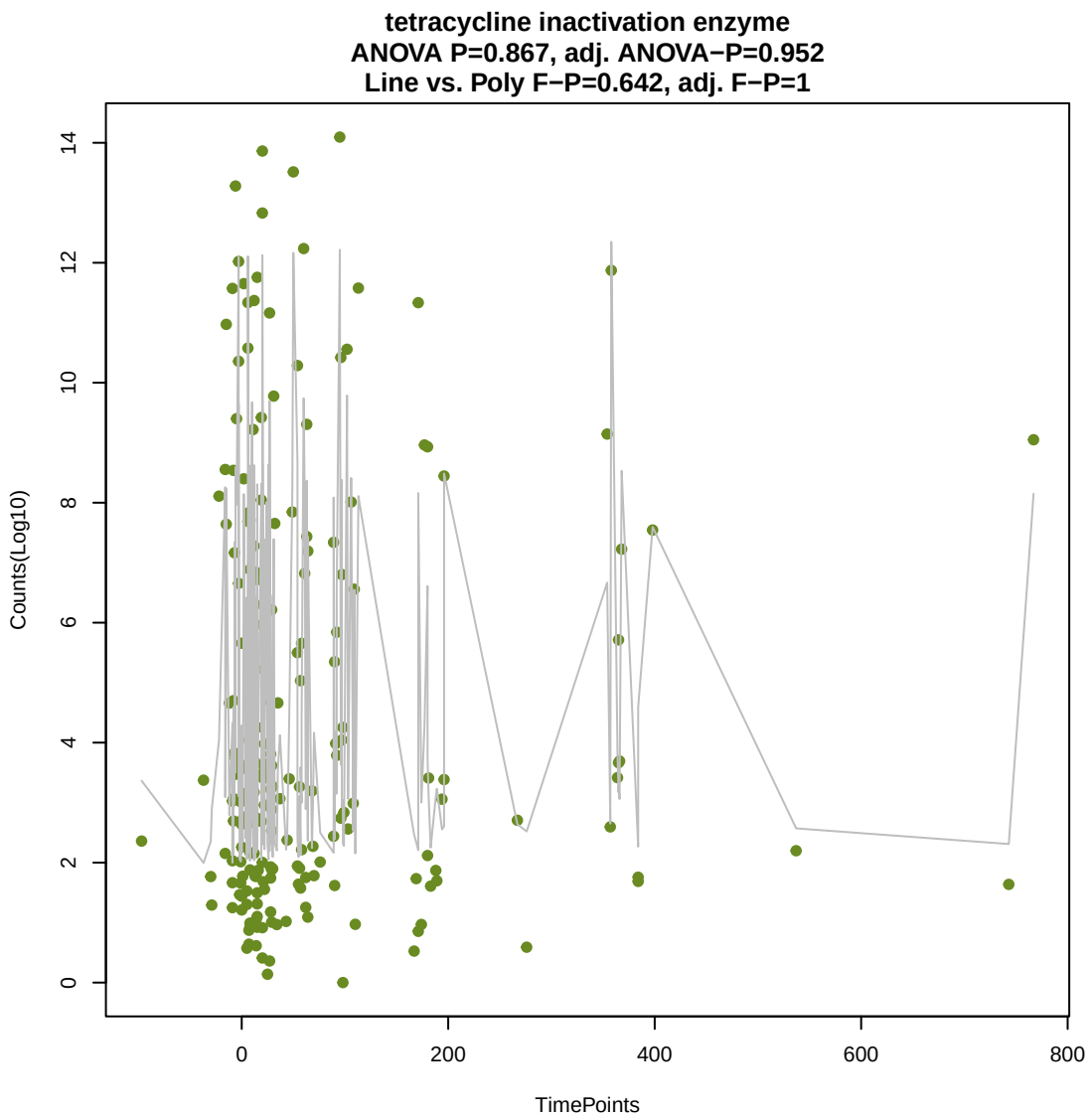

ole glycosyltransferase
ANOVA P=0.706, adj. ANOVA−P=0.876
Line vs. Poly F−P=0.672, adj. F−P=1
Counts(Log10)
TimePoints

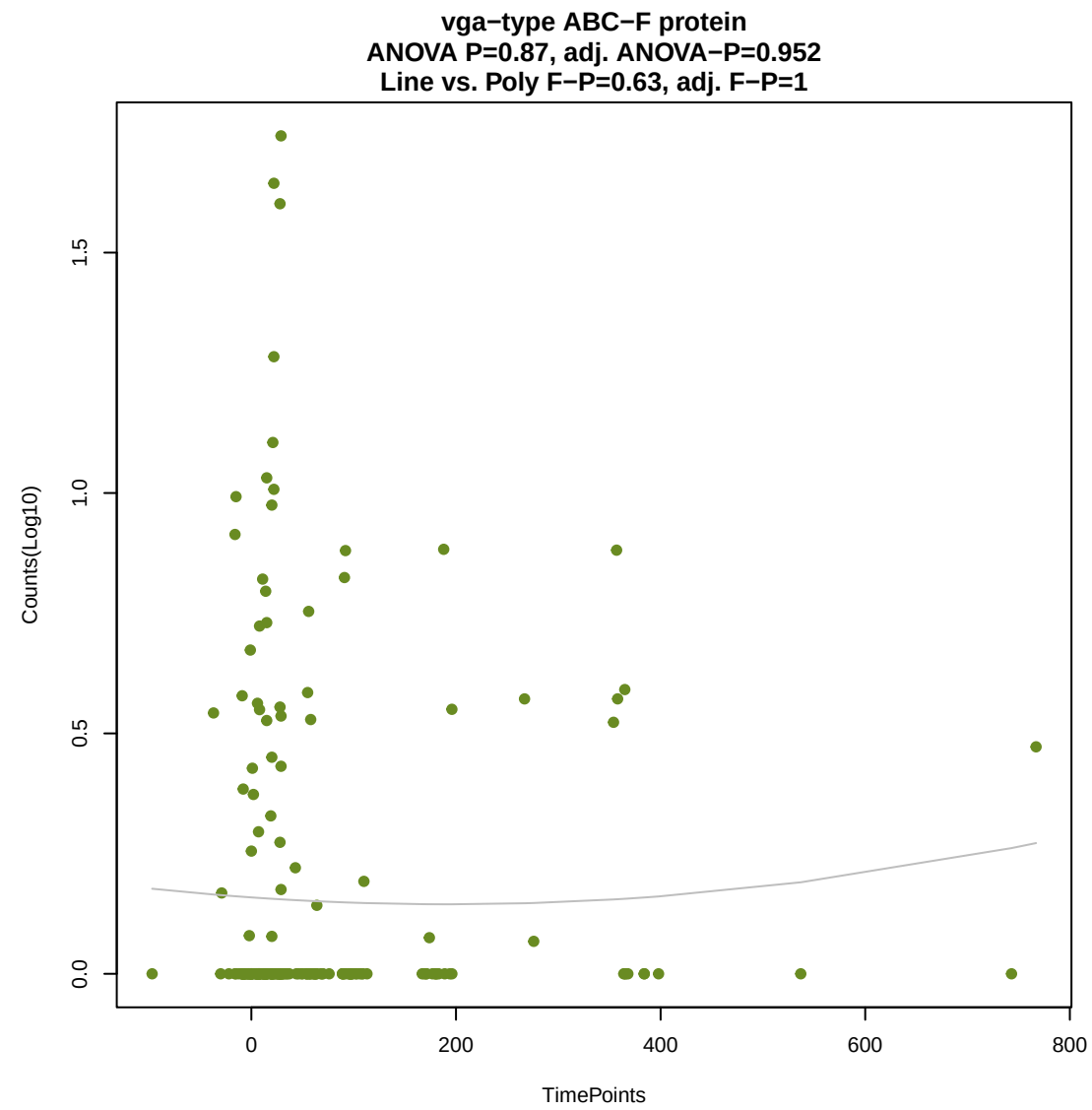

SHV beta−lactamase
ANOVA P=0.749, adj. ANOVA−P=0.916
Line vs. Poly F−P=0.572, adj. F−P=1
Counts(Log10)
TimePoints

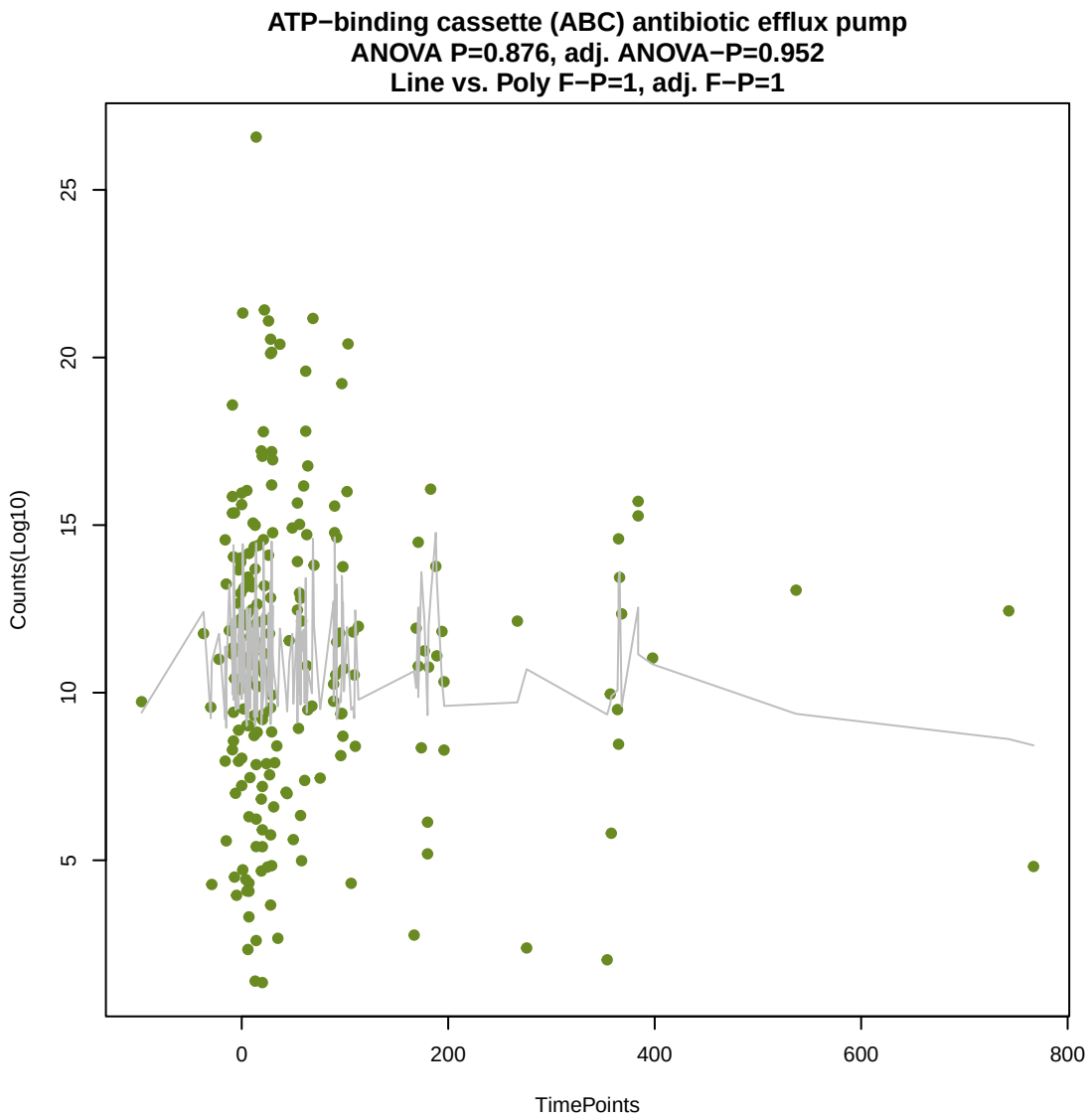

OCH beta−lactamase
ANOVA P=0.821, adj. ANOVA−P=0.952
Line vs. Poly F−P=0.653, adj. F−P=1
Counts(Log10)
TimePoints

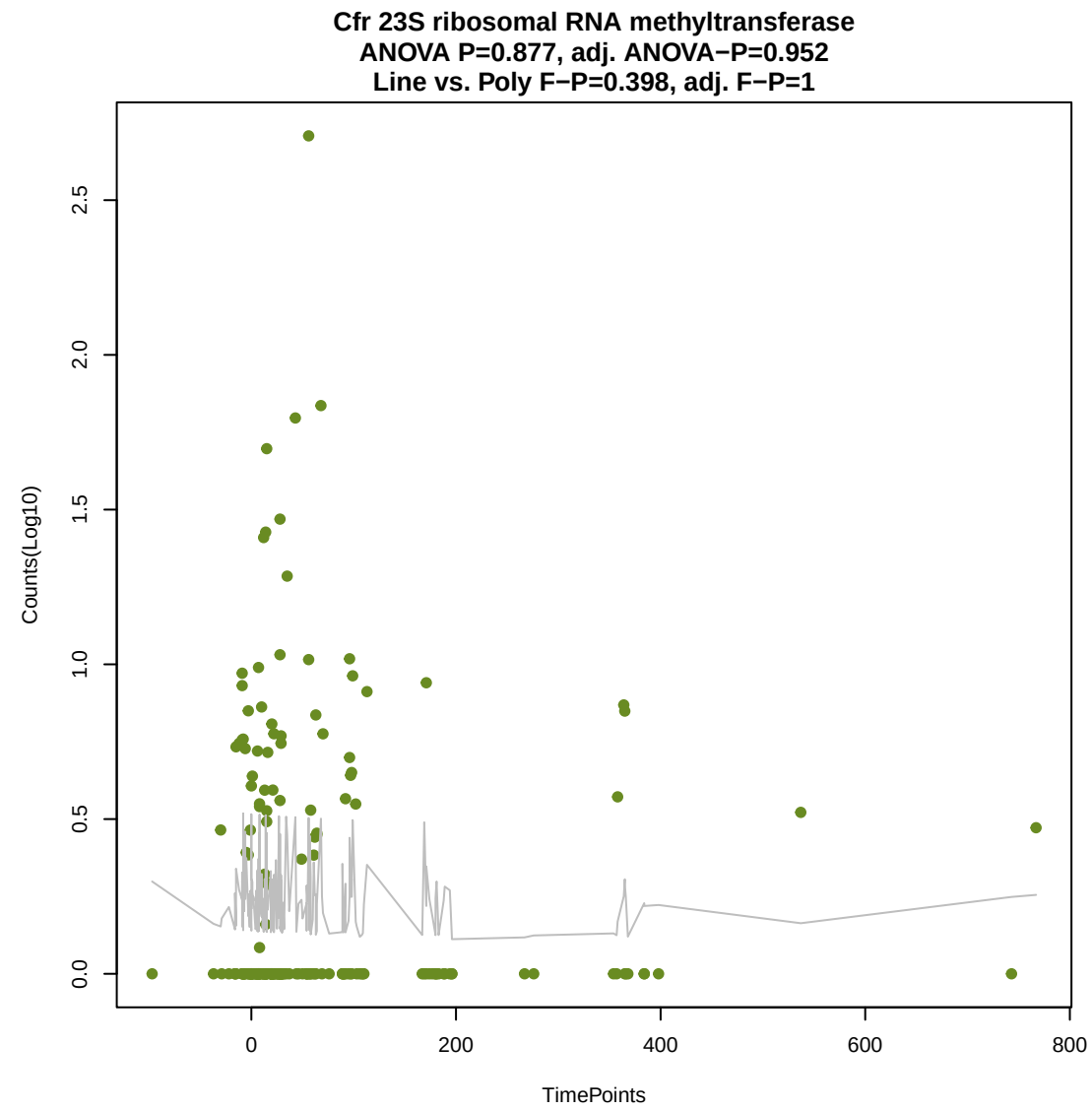

sulfonamide resistant sul
ANOVA P=0.828, adj. ANOVA−P=0.952
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

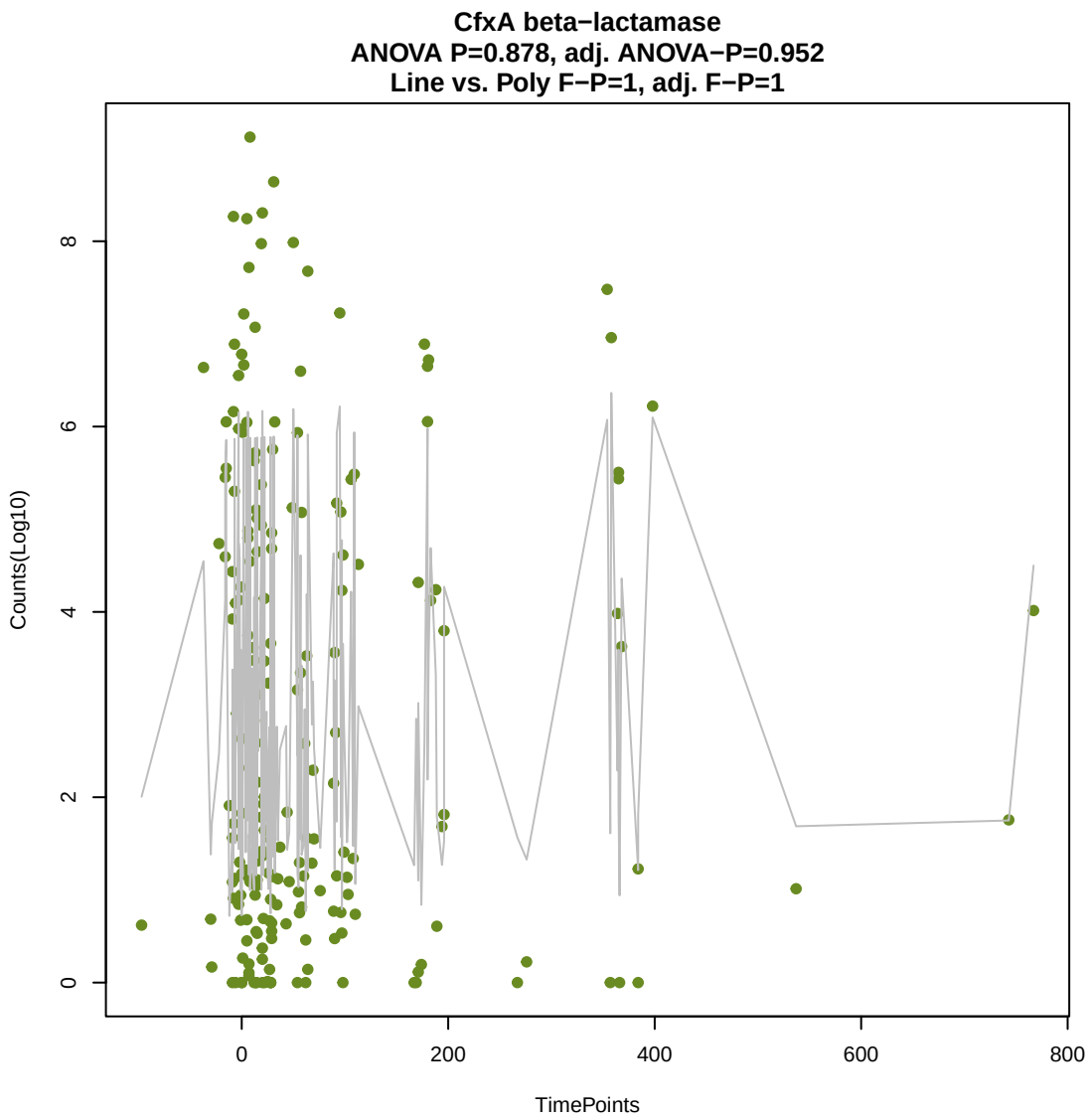

small multidrug resistance (SMR) antibiotic efflux pump
ANOVA P=0.843, adj. ANOVA−P=0.952
Line vs. Poly F−P=0.661, adj. F−P=1
Counts(Log10)
TimePoints

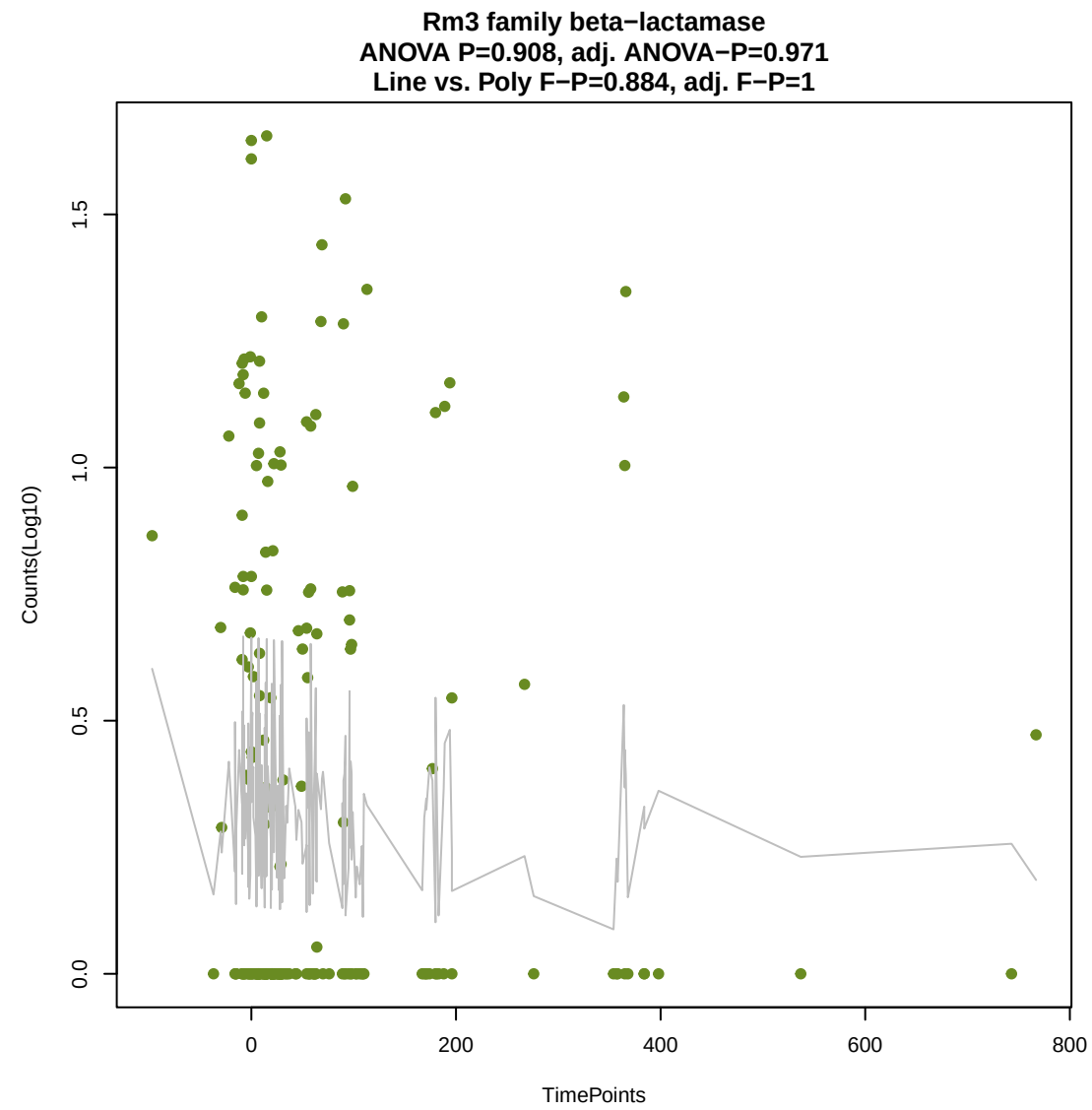

tetracycline inactivation enzyme
ANOVA P=0.867, adj. ANOVA−P=0.952
Line vs. Poly F−P=0.642, adj. F−P=1
Counts(Log10)
TimePoints

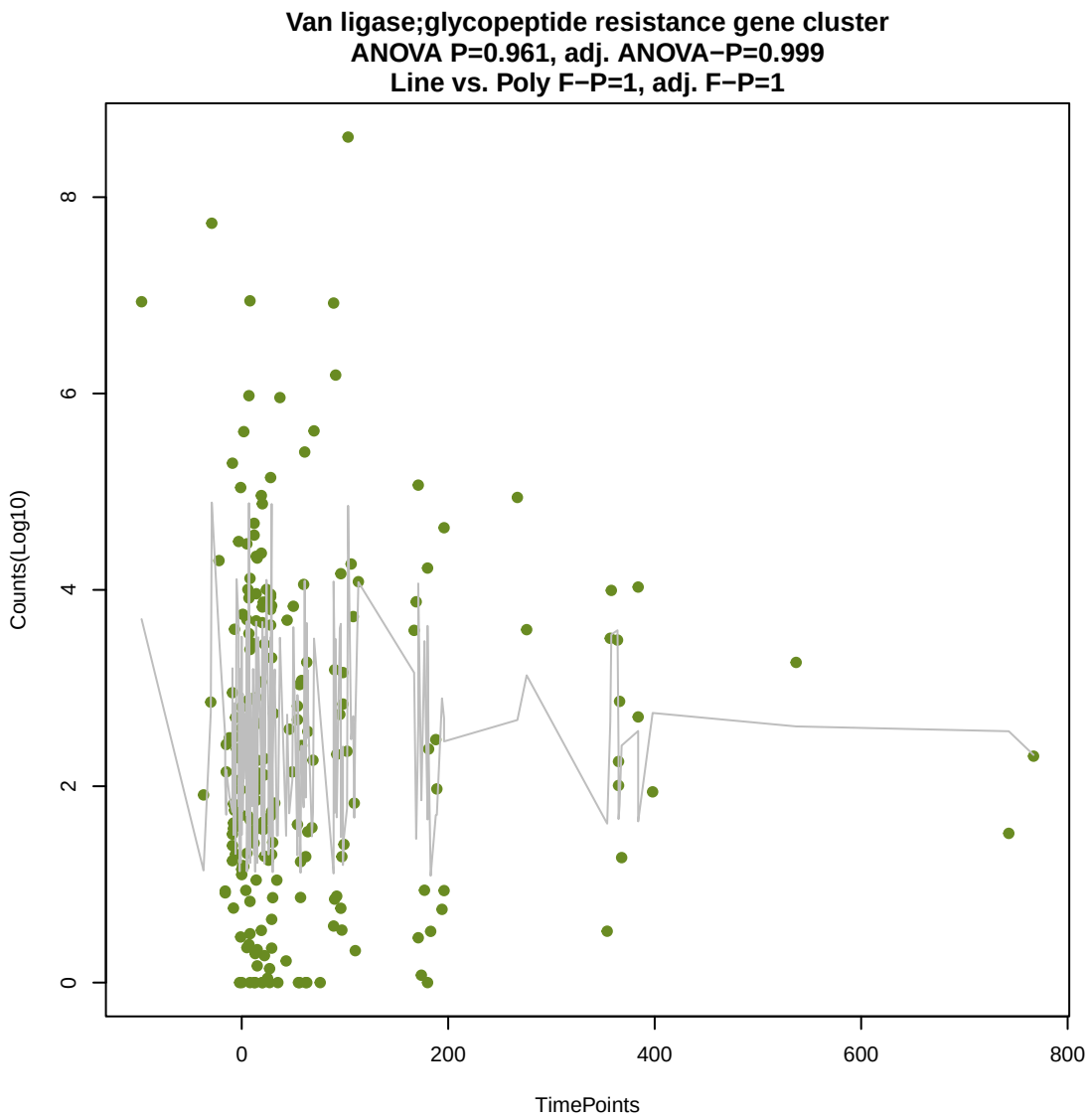

vga−type ABC−F protein
ANOVA P=0.87, adj. ANOVA−P=0.952
Line vs. Poly F−P=0.63, adj. F−P=1
Counts(Log10)
TimePoints

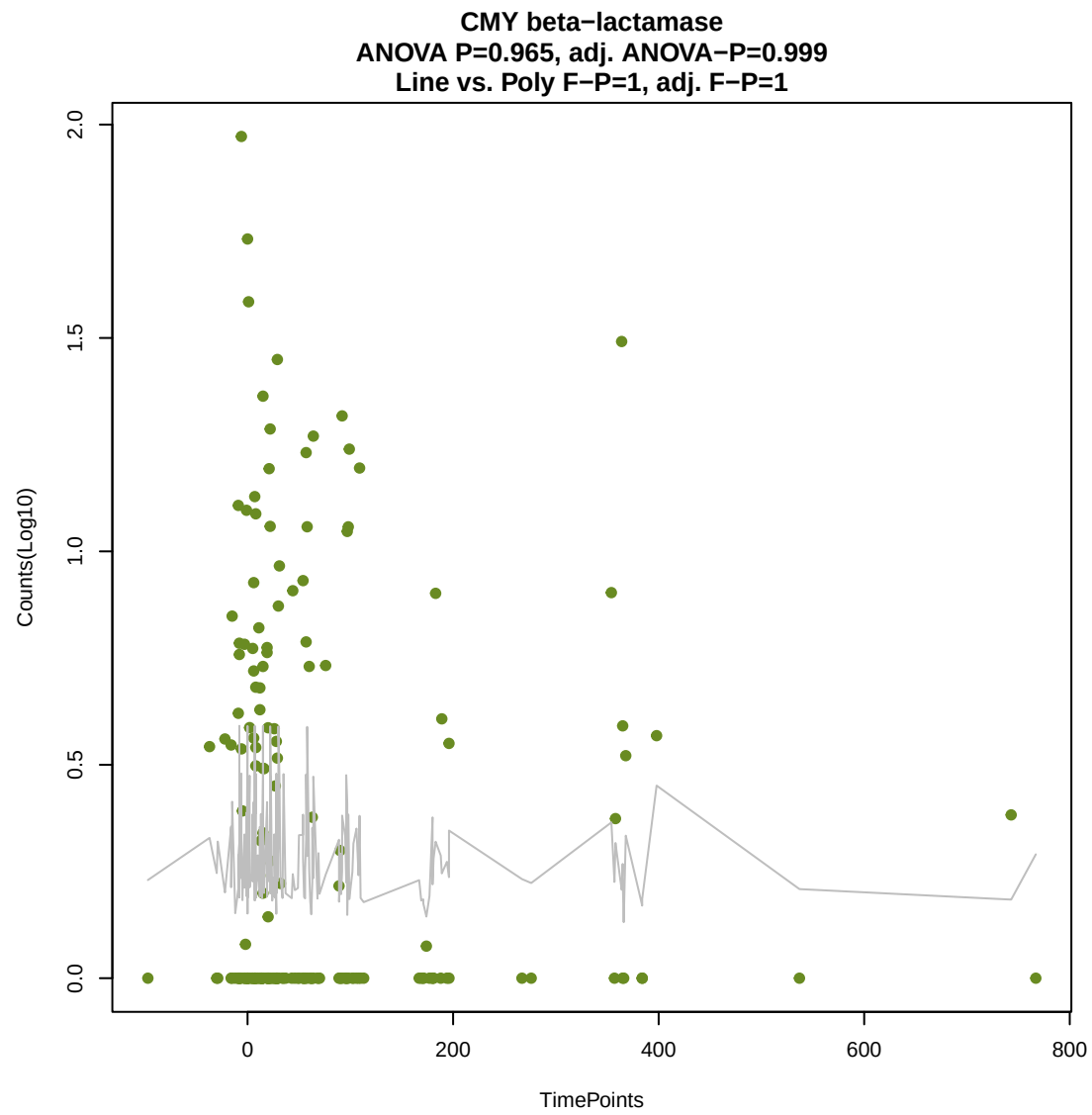

ATP−binding cassette (ABC) antibiotic efflux pump
ANOVA P=0.876, adj. ANOVA−P=0.952
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

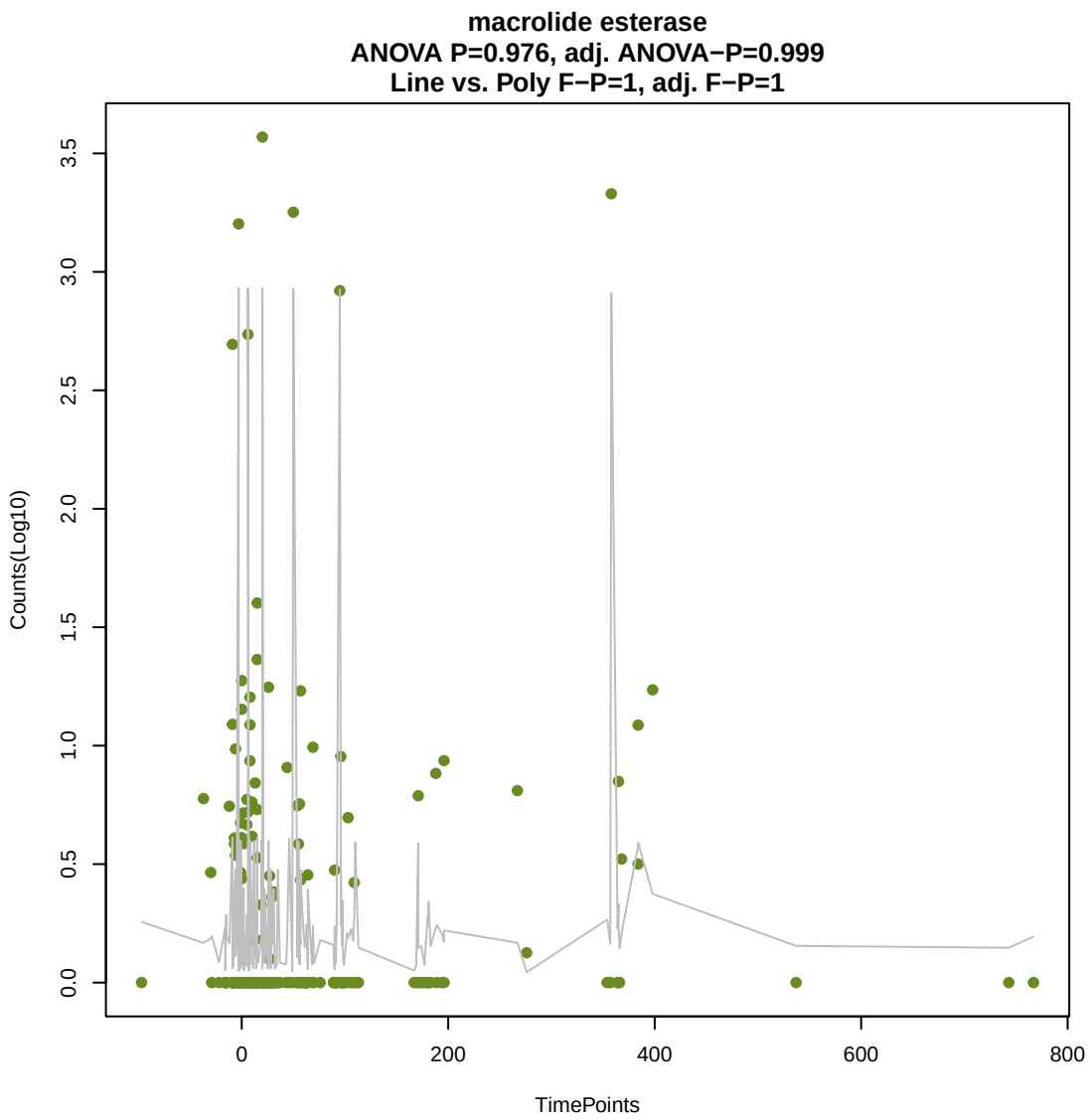

Cfr 23S ribosomal RNA methyltransferase
ANOVA P=0.877, adj. ANOVA−P=0.952
Line vs. Poly F−P=0.398, adj. F−P=1
Counts(Log10)
TimePoints

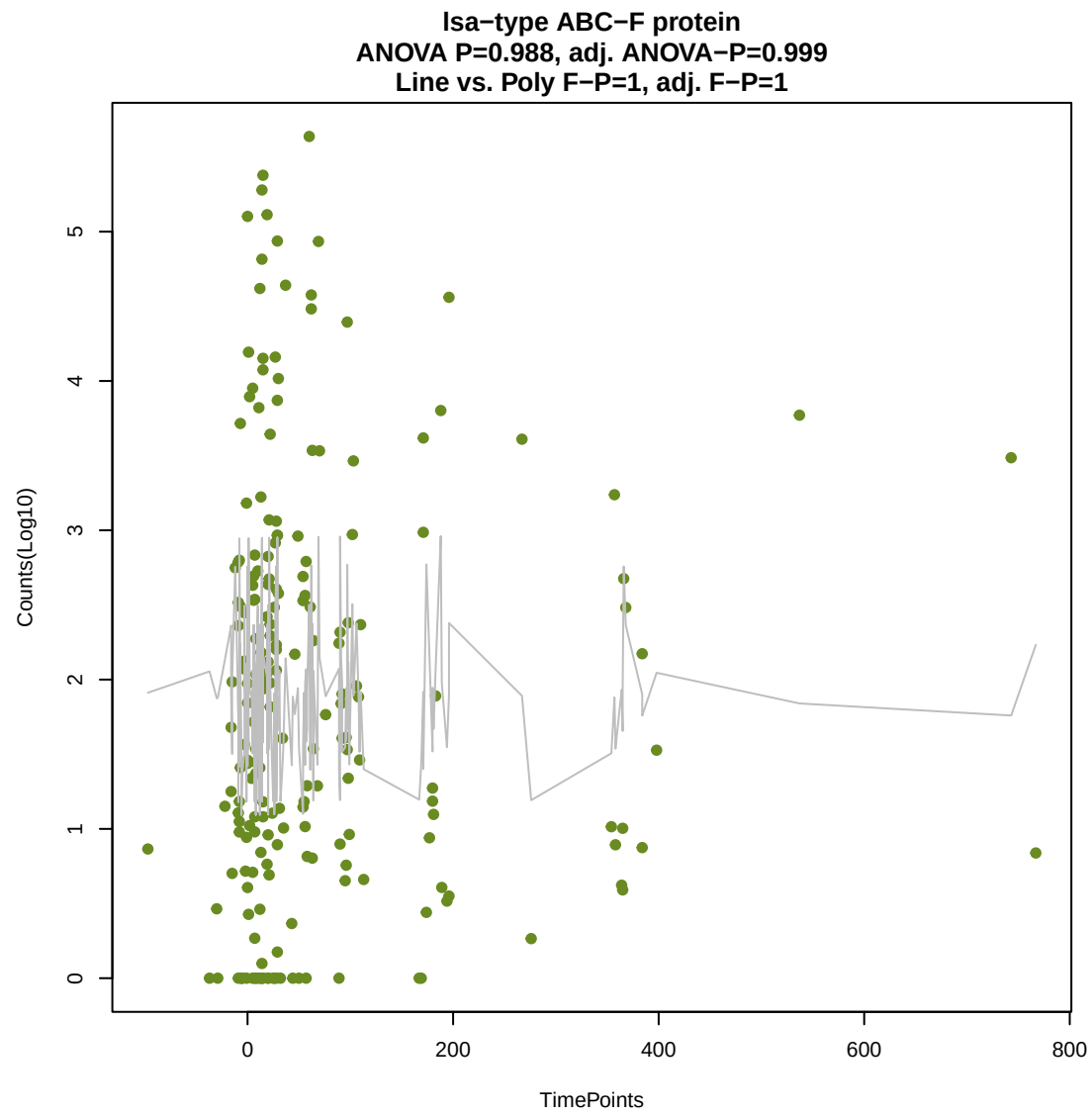

CfxA beta−lactamase
ANOVA P=0.878, adj. ANOVA−P=0.952
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

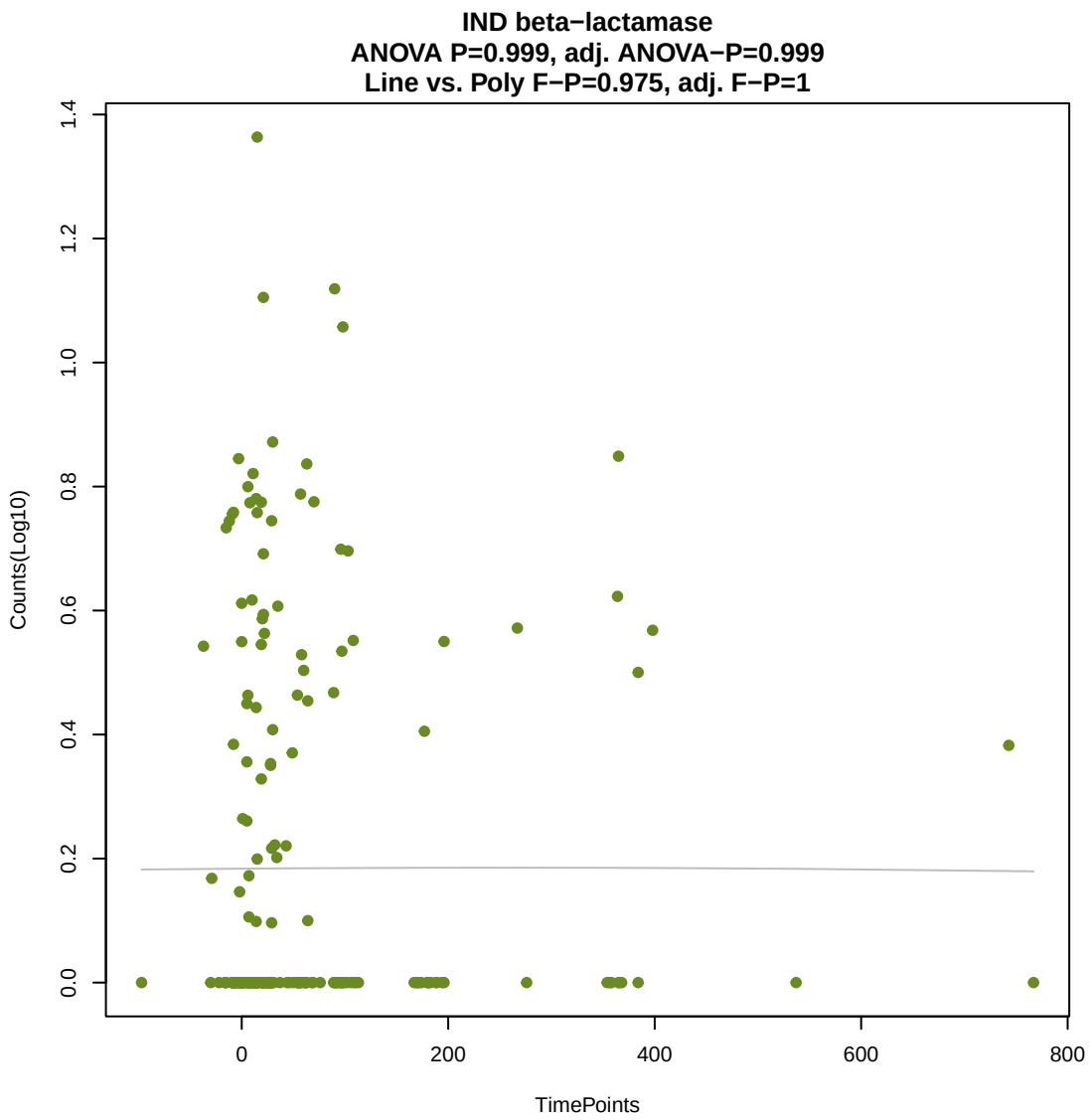

Rm3 family beta−lactamase
ANOVA P=0.908, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.884, adj. F−P=1
Counts(Log10)
TimePoints


Van ligase;glycopeptide resistance gene cluster
ANOVA P=0.961, adj. ANOVA−P=0.999
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


CMY beta−lactamase
ANOVA P=0.965, adj. ANOVA−P=0.999
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


macrolide esterase
ANOVA P=0.976, adj. ANOVA−P=0.999
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


lsa−type ABC−F protein
ANOVA P=0.988, adj. ANOVA−P=0.999
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


IND beta−lactamase
ANOVA P=0.999, adj. ANOVA−P=0.999
Line vs. Poly F−P=0.975, adj. F−P=1
Counts(Log10)
TimePoints