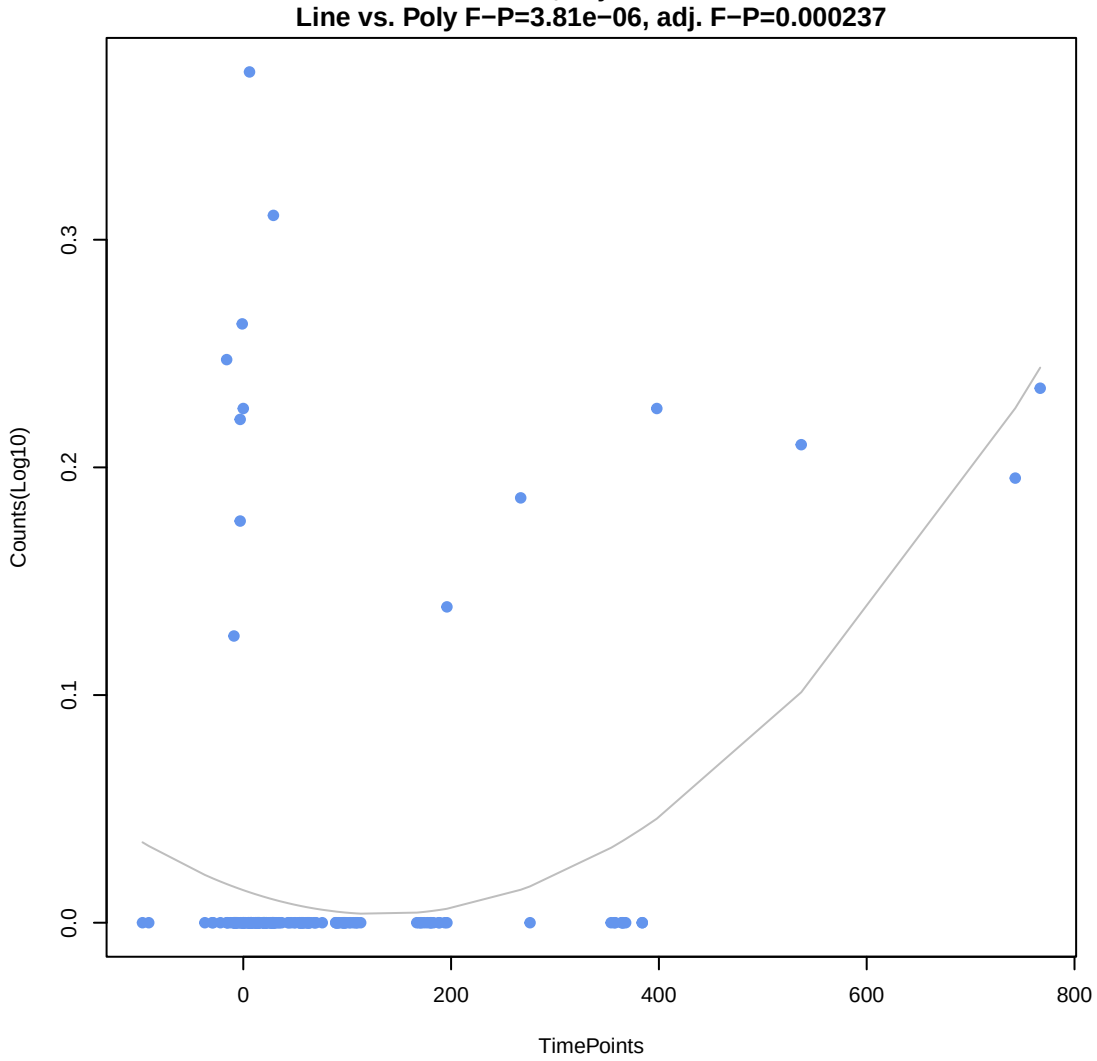
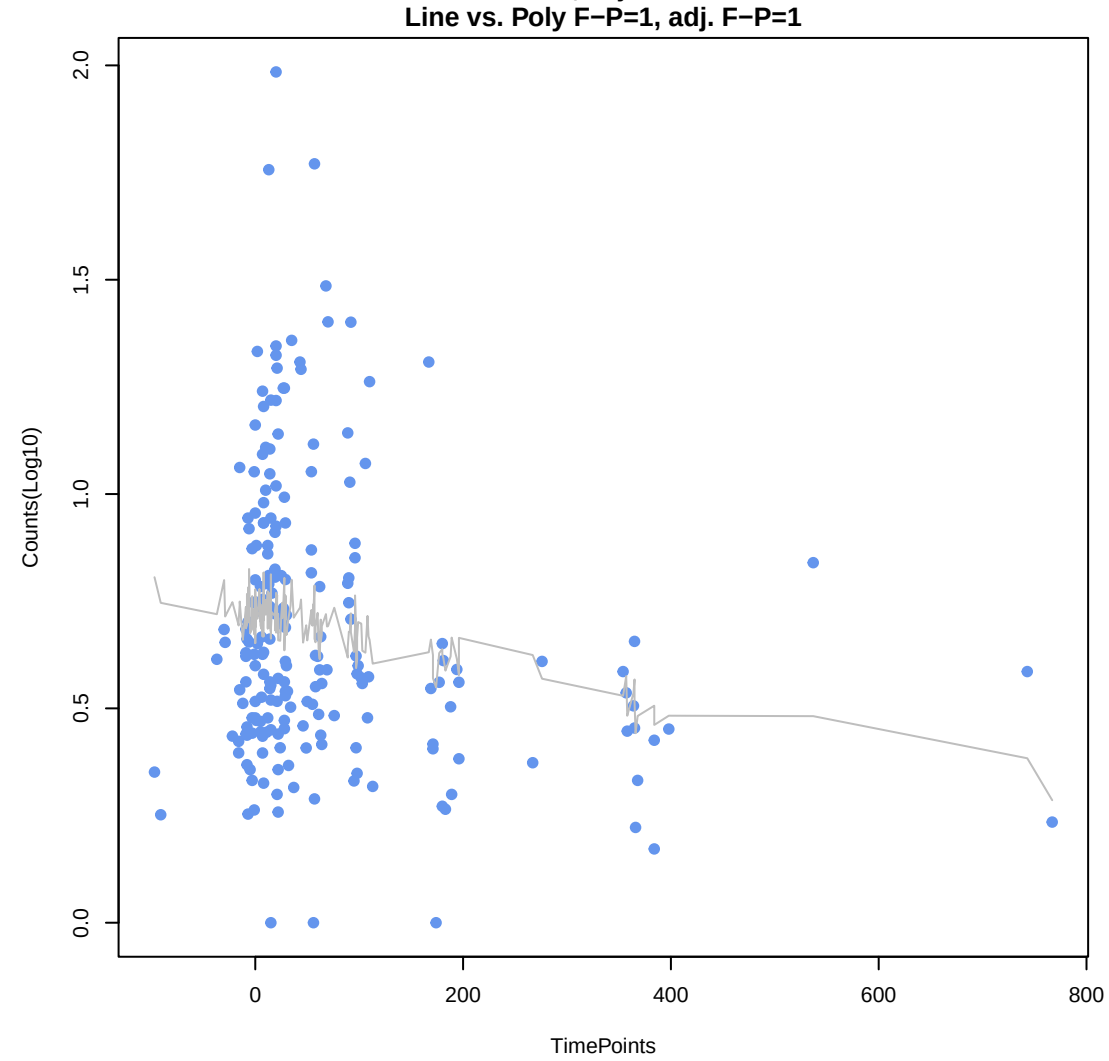
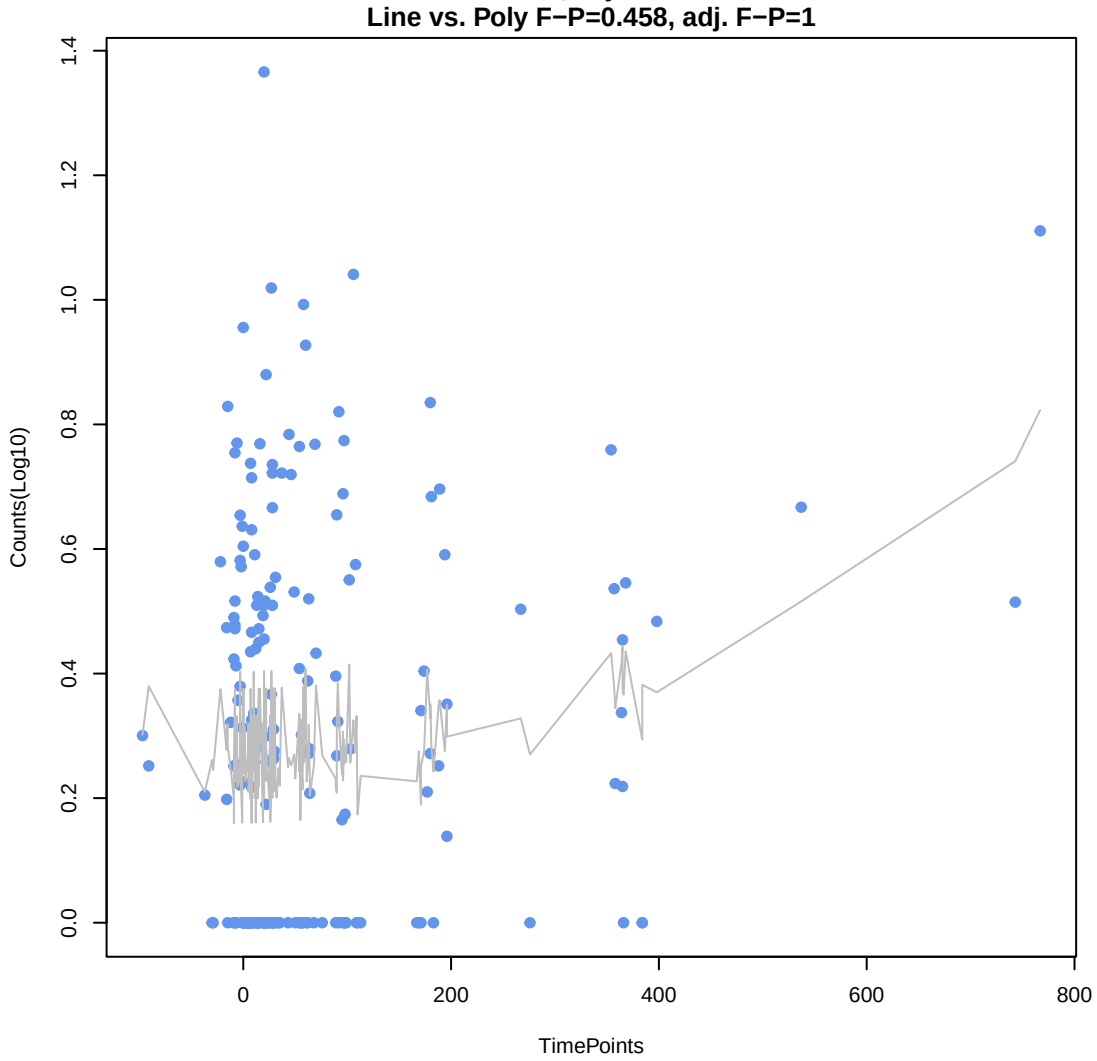
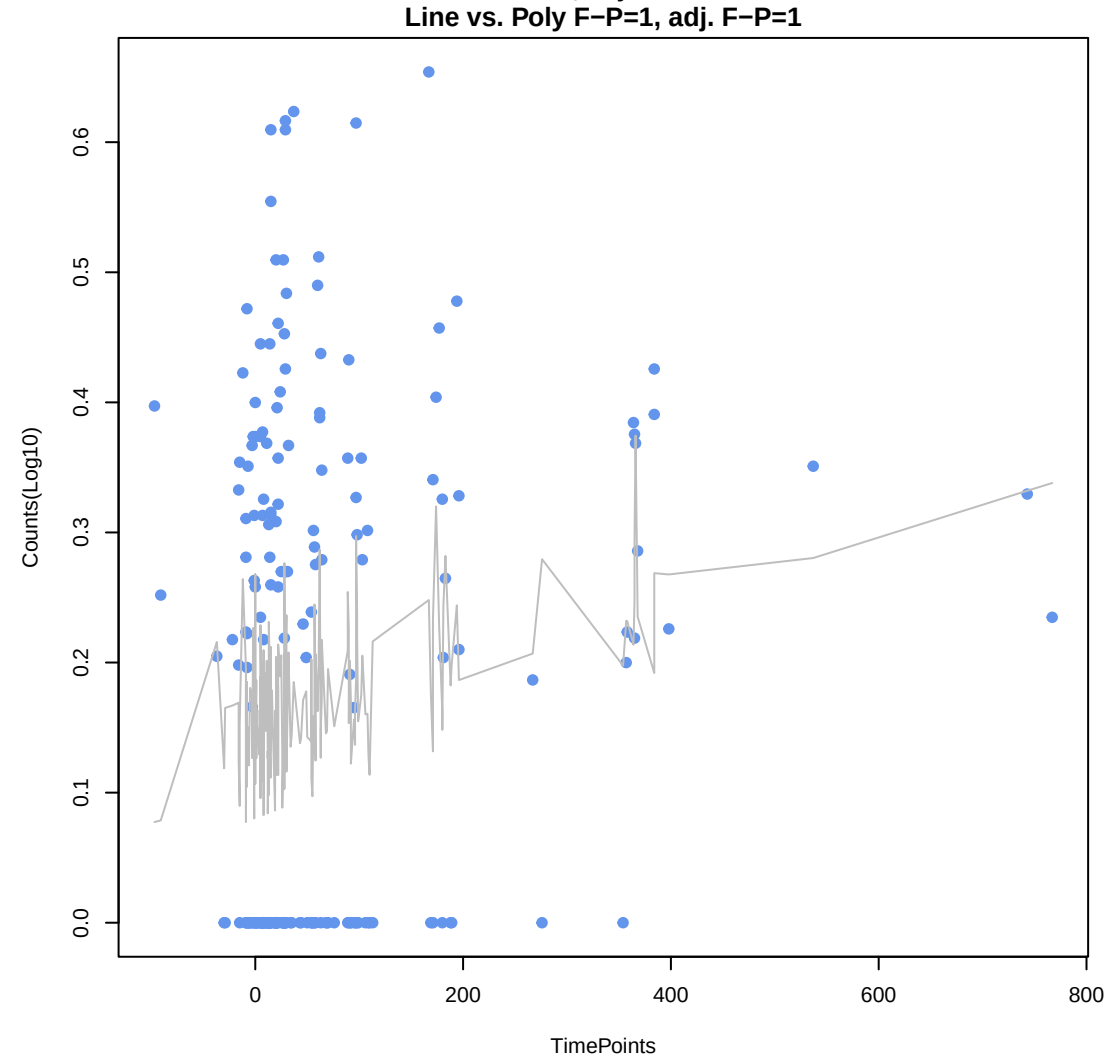
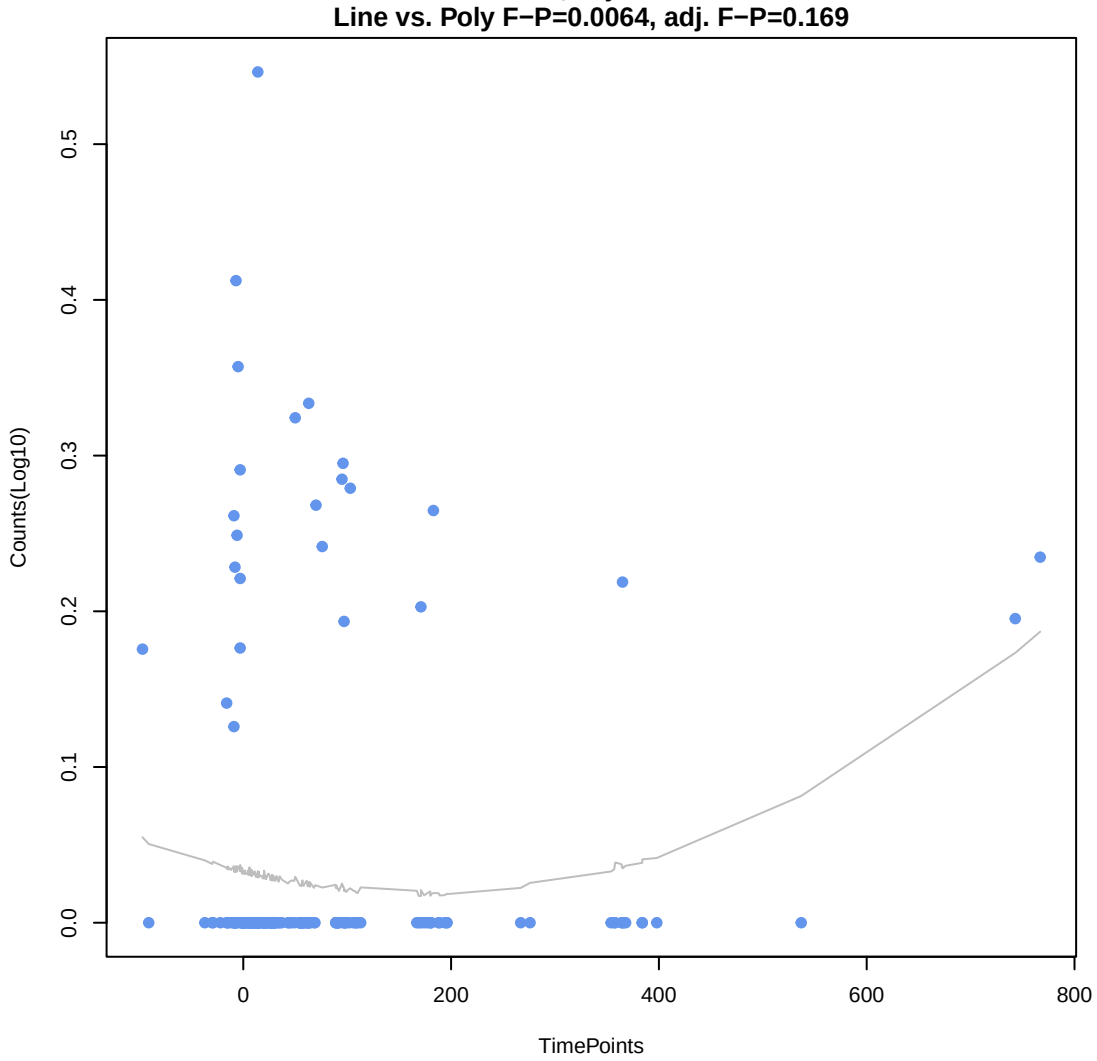
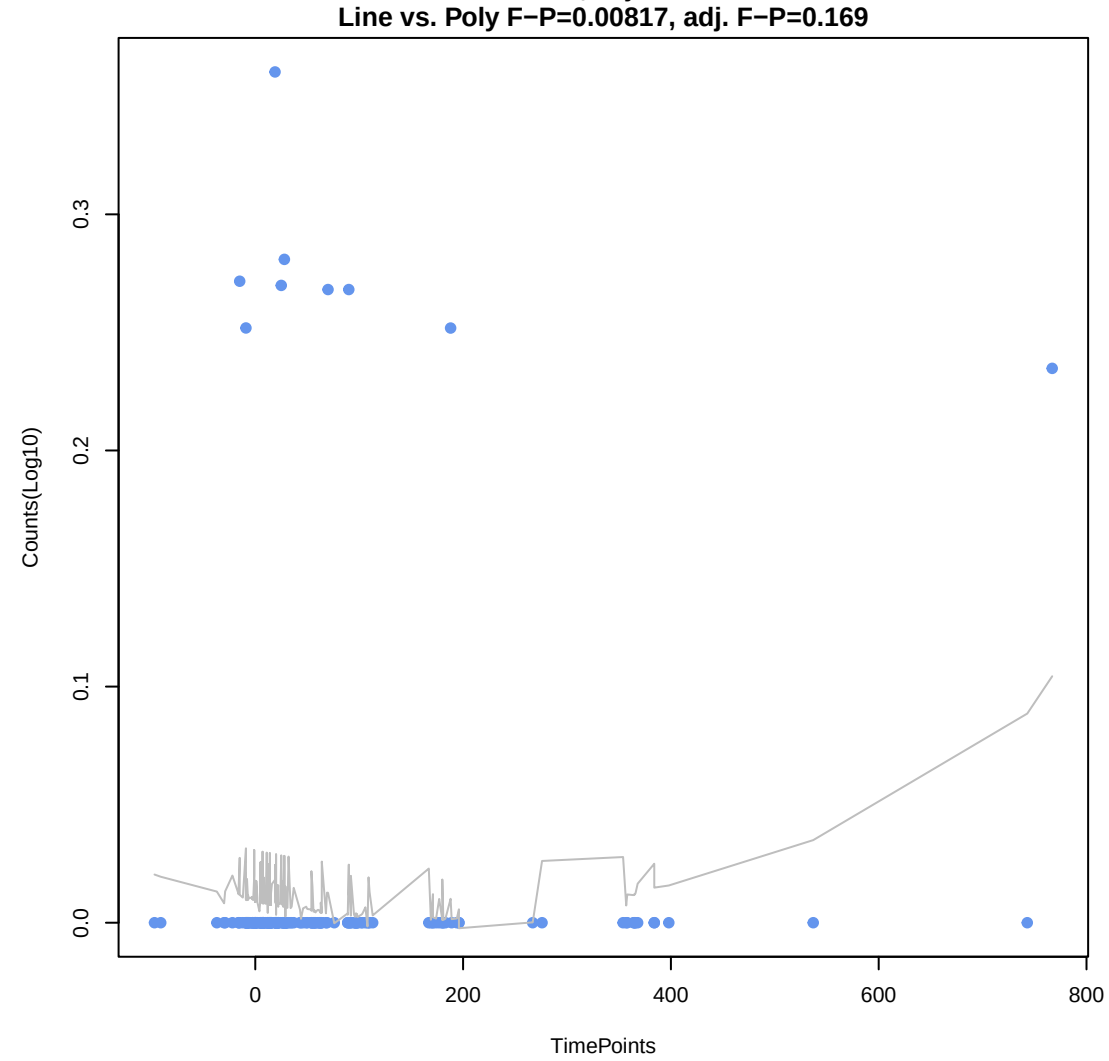

subclass B3 LRA beta−lactamase
ANOVA P=7.88e−09, adj. ANOVA−P=4.88e−07
Line vs. Poly F−P=3.81e−06, adj. F−P=0.000237
Counts(Log10)
TimePoints

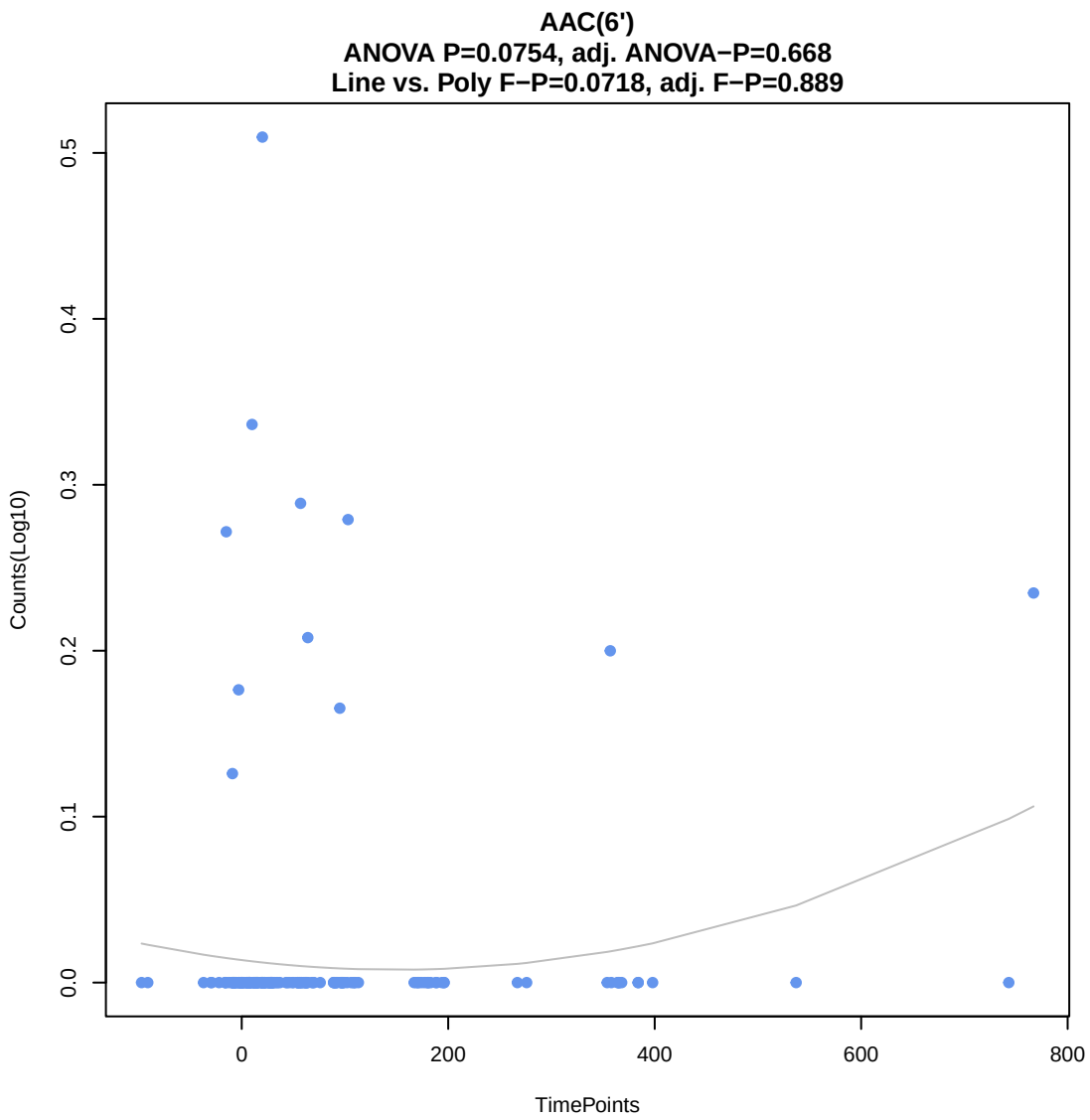

Erm 23S ribosomal RNA methyltransferase
ANOVA P=0.0118, adj. ANOVA−P=0.366
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

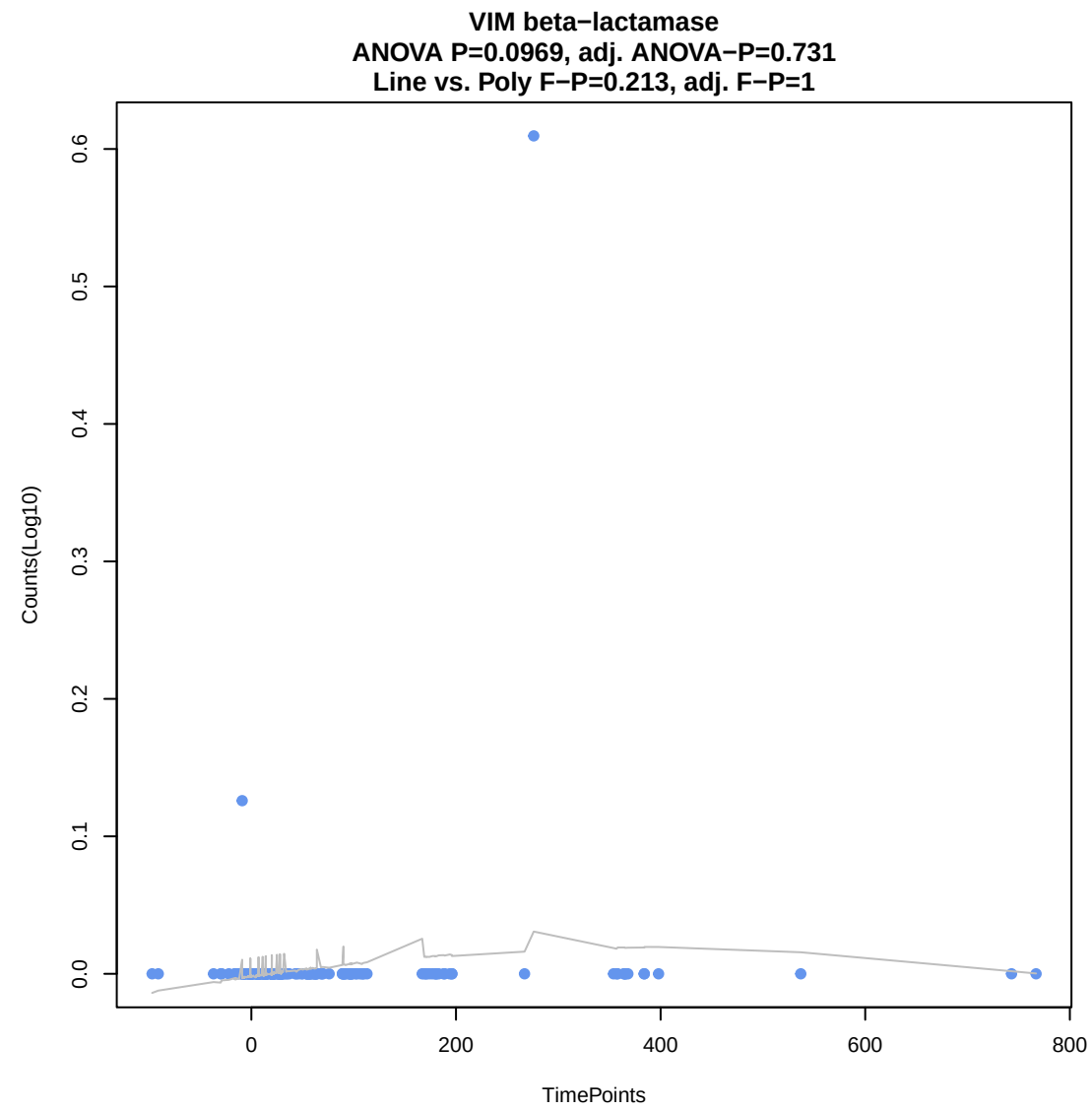

tetracycline−resistant ribosomal protection protein
ANOVA P=0.0209, adj. ANOVA−P=0.396
Line vs. Poly F−P=0.458, adj. F−P=1
Counts(Log10)
TimePoints

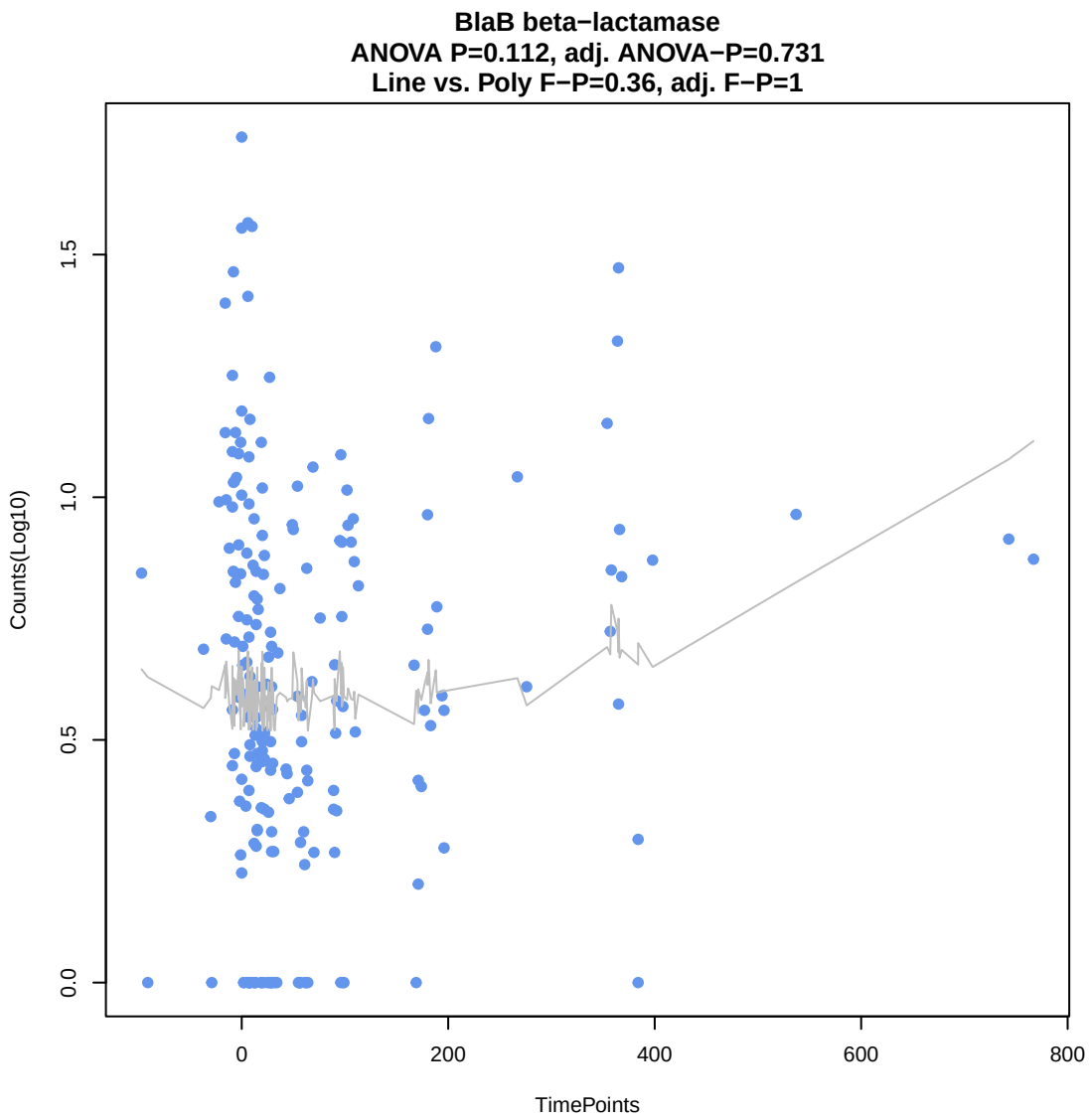

undecaprenyl pyrophosphate related proteins
ANOVA P=0.0288, adj. ANOVA−P=0.396
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

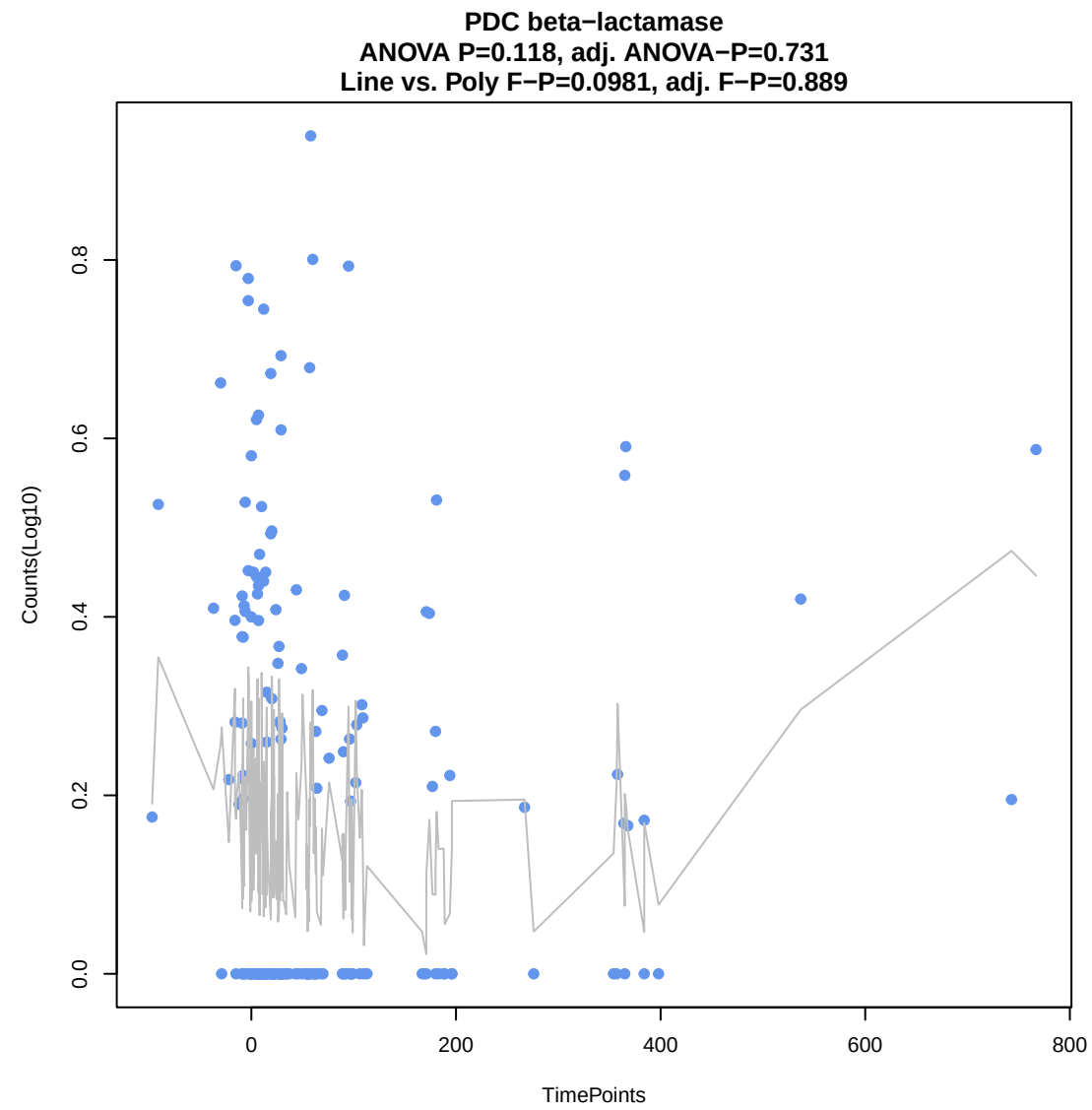

amp acetyltransferase
ANOVA P=0.0319, adj. ANOVA−P=0.396
Line vs. Poly F−P=0.0064, adj. F−P=0.169
Counts(Log10)
TimePoints

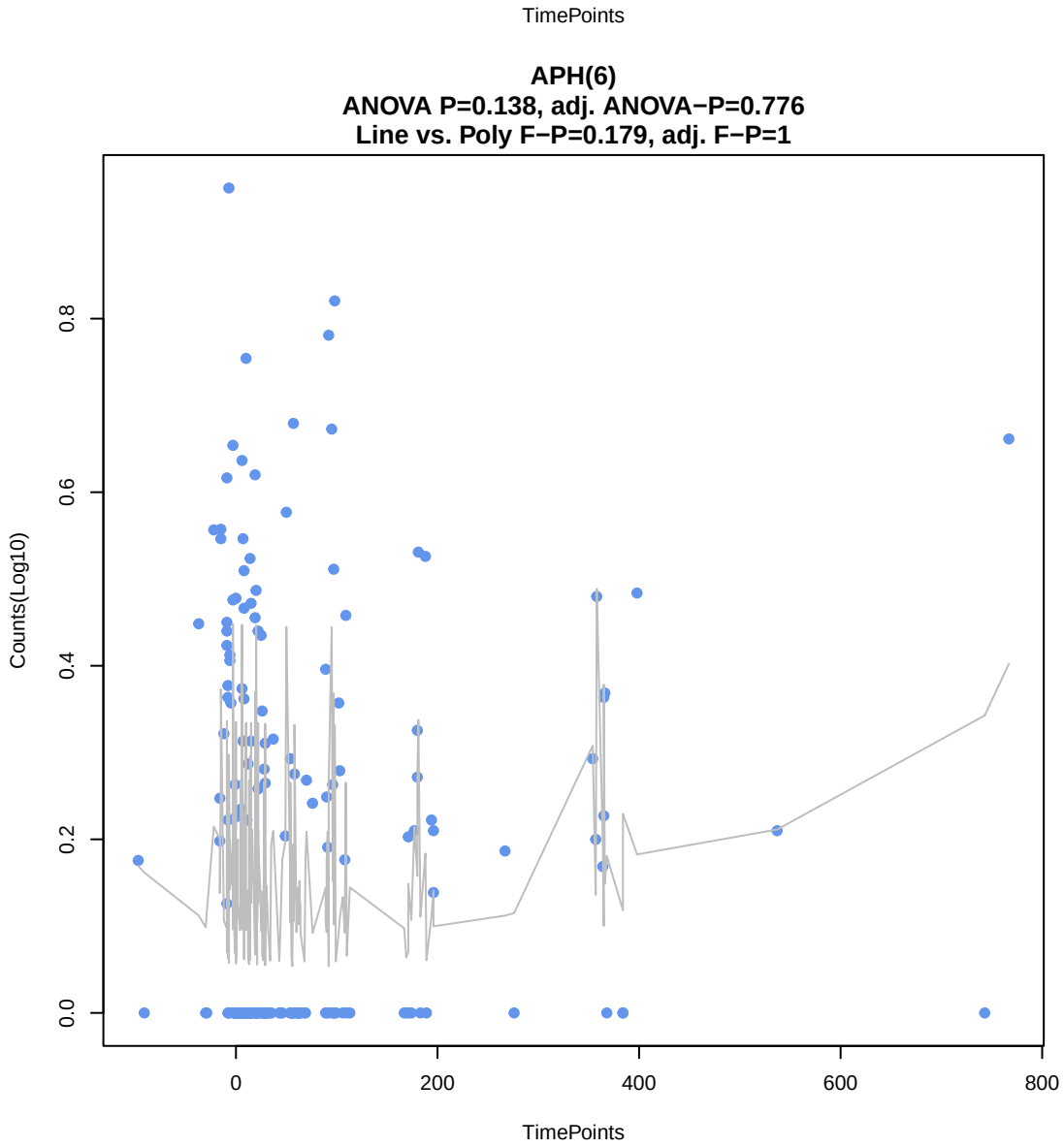

trimethoprim resistant dihydrofolate reductase dfr
ANOVA P=0.0445, adj. ANOVA−P=0.46
Line vs. Poly F−P=0.00817, adj. F−P=0.169
Counts(Log10)
TimePoints

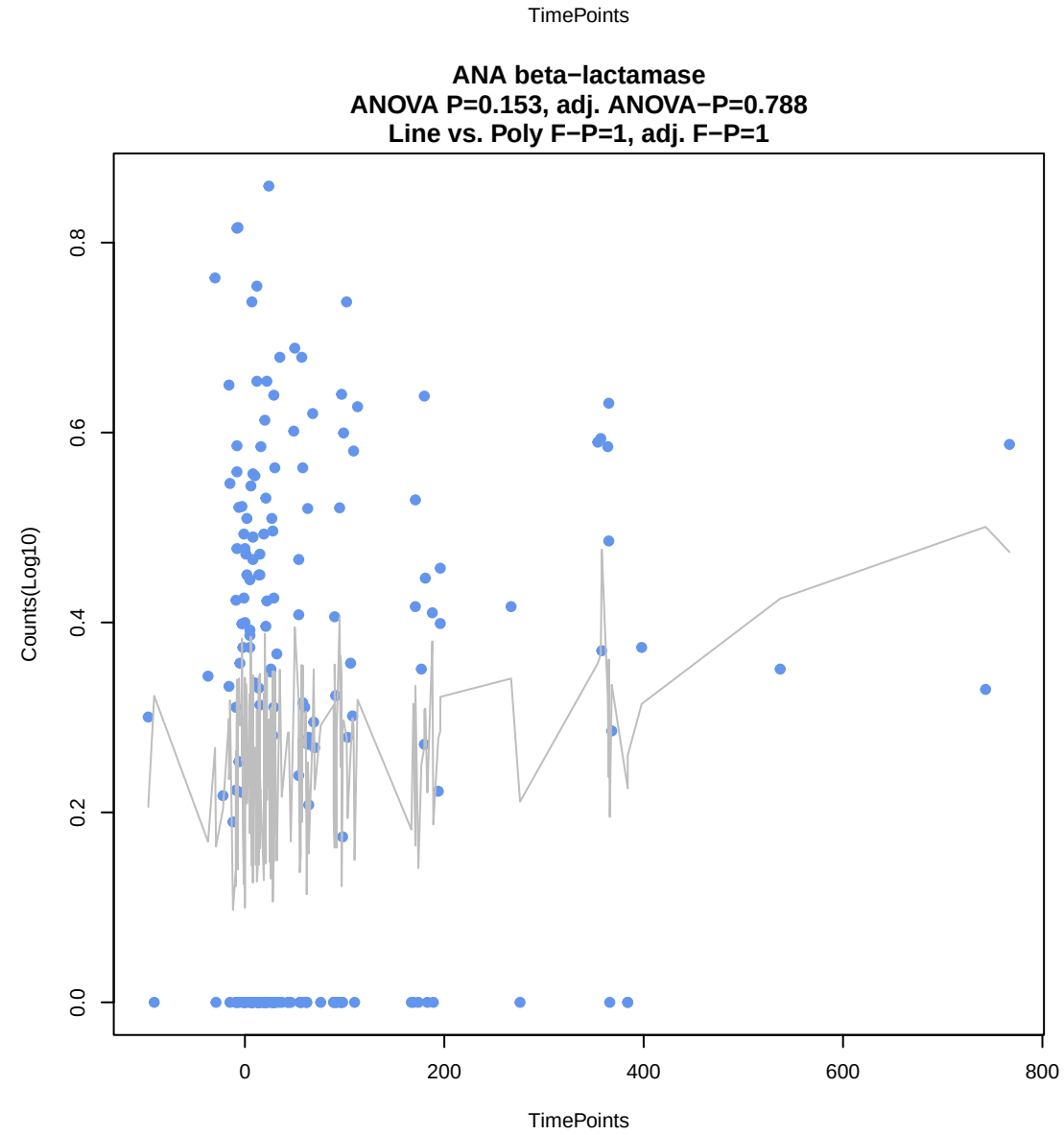

AAC(6')
ANOVA P=0.0754, adj. ANOVA−P=0.668
Line vs. Poly F−P=0.0718, adj. F−P=0.889
Counts(Log10)
TimePoints

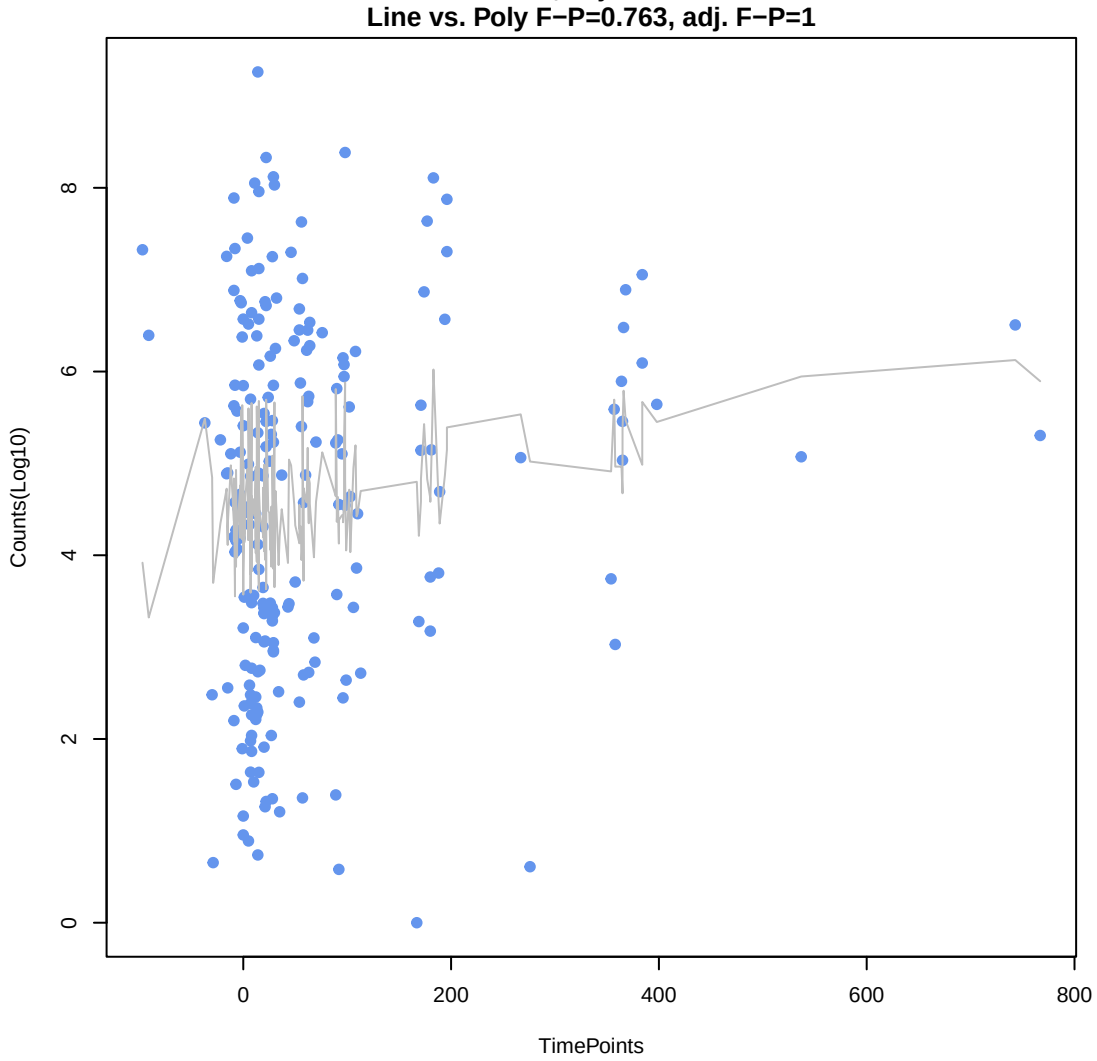

VIM beta−lactamase
ANOVA P=0.0969, adj. ANOVA−P=0.731
Line vs. Poly F−P=0.213, adj. F−P=1
Counts(Log10)
TimePoints

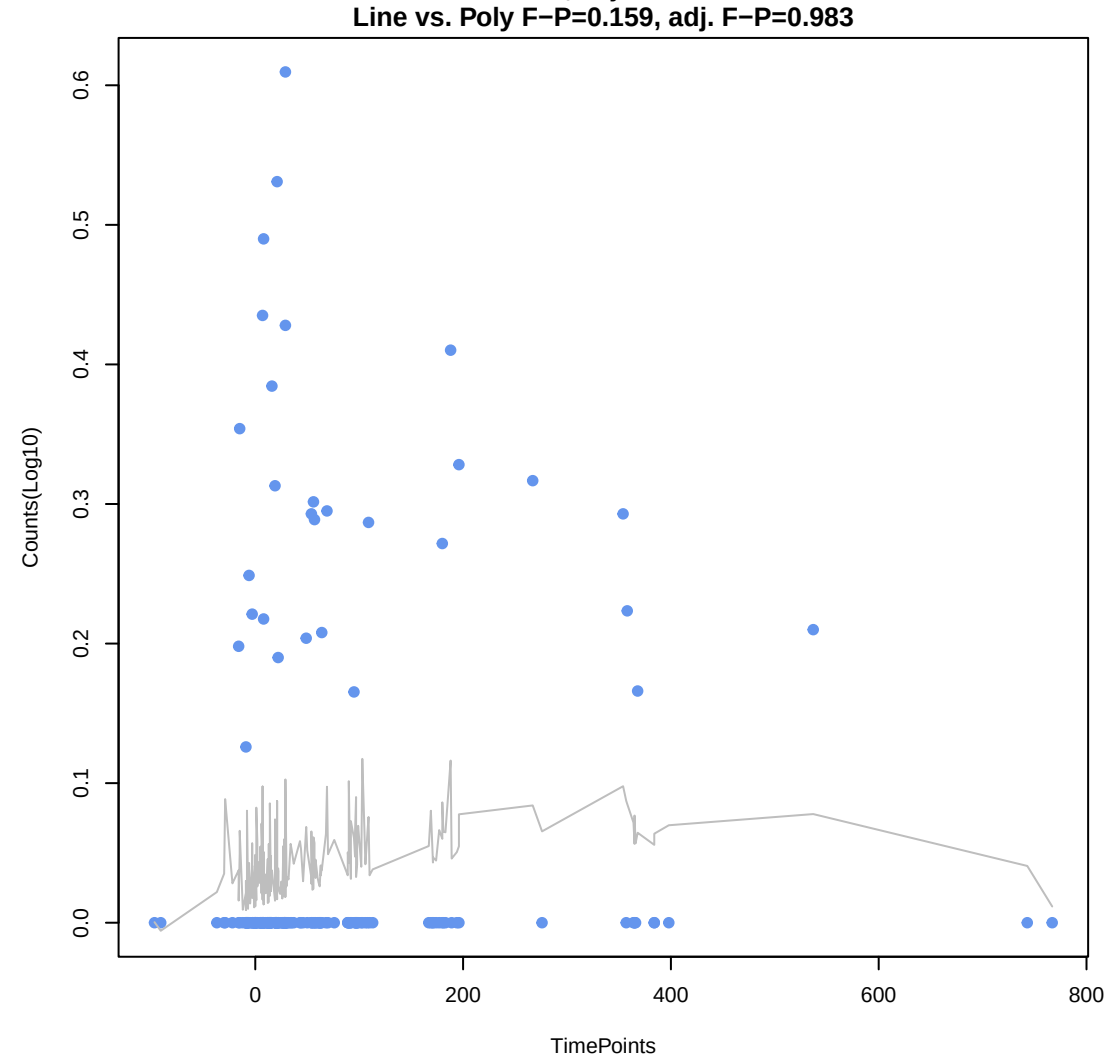

BlaB beta−lactamase
ANOVA P=0.112, adj. ANOVA−P=0.731
Line vs. Poly F−P=0.36, adj. F−P=1
Counts(Log10)
TimePoints

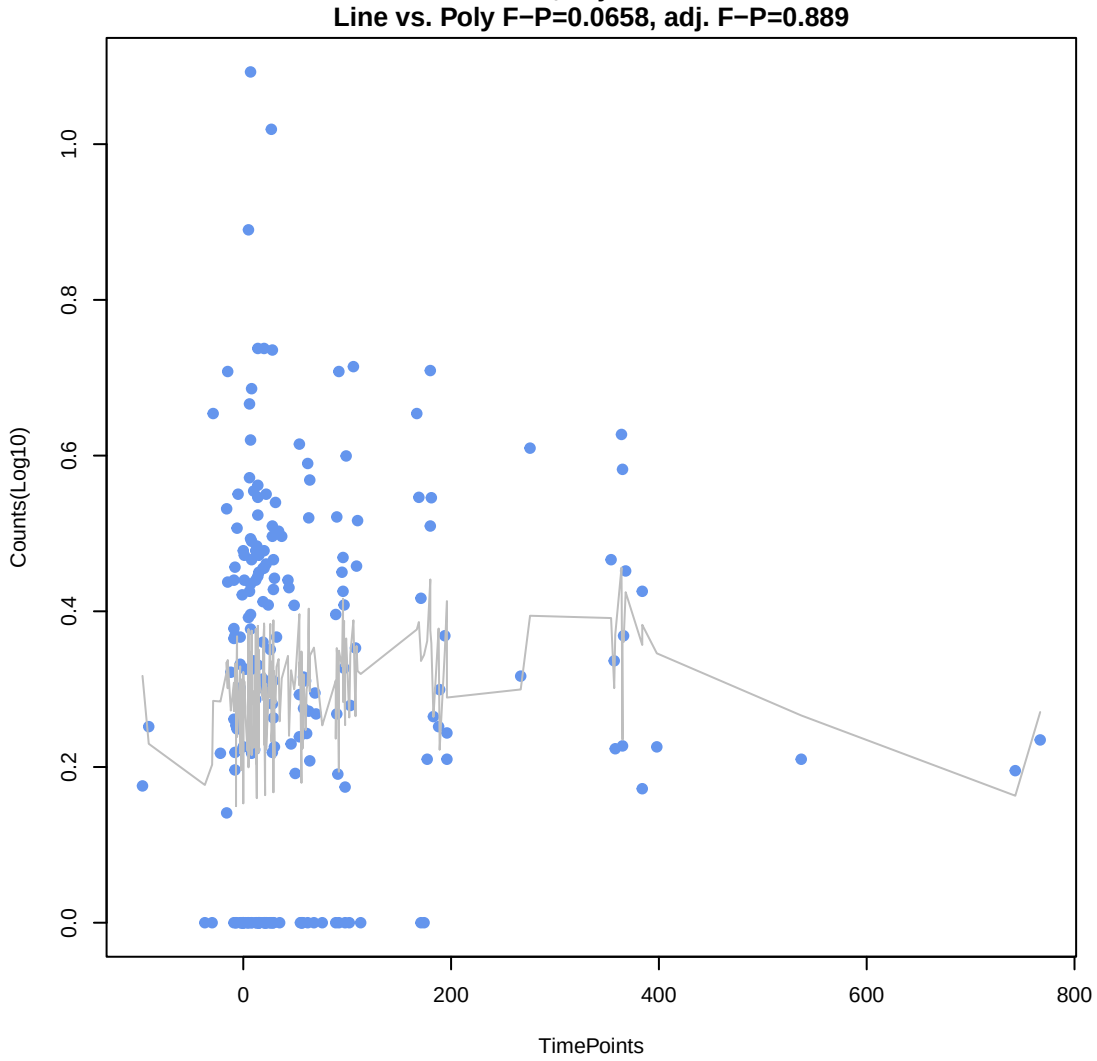

PDC beta−lactamase
ANOVA P=0.118, adj. ANOVA−P=0.731
Line vs. Poly F−P=0.0981, adj. F−P=0.889
Counts(Log10)
TimePoints

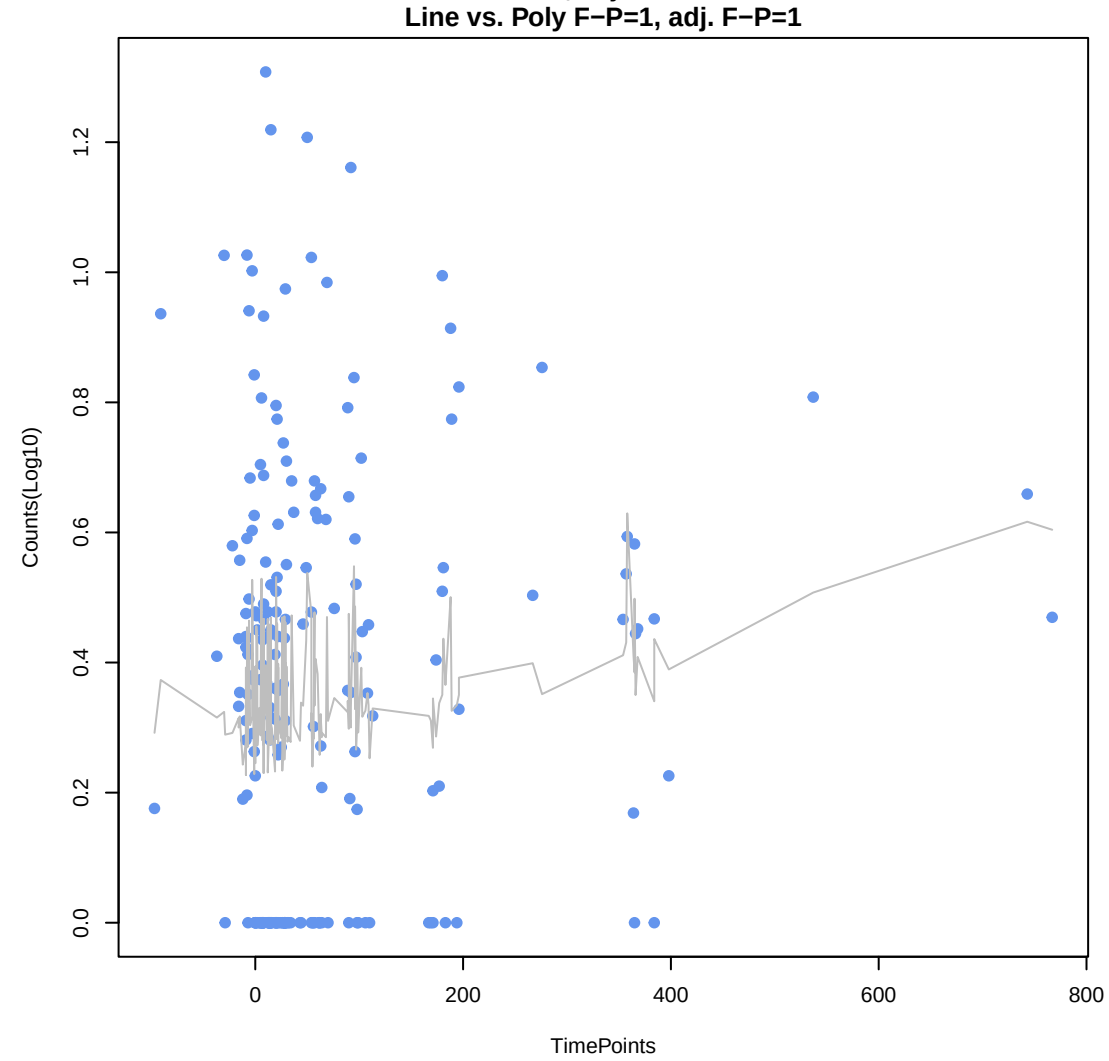

APH(6)
ANOVA P=0.138, adj. ANOVA−P=0.776
Line vs. Poly F−P=0.179, adj. F−P=1
Counts(Log10)
TimePoints

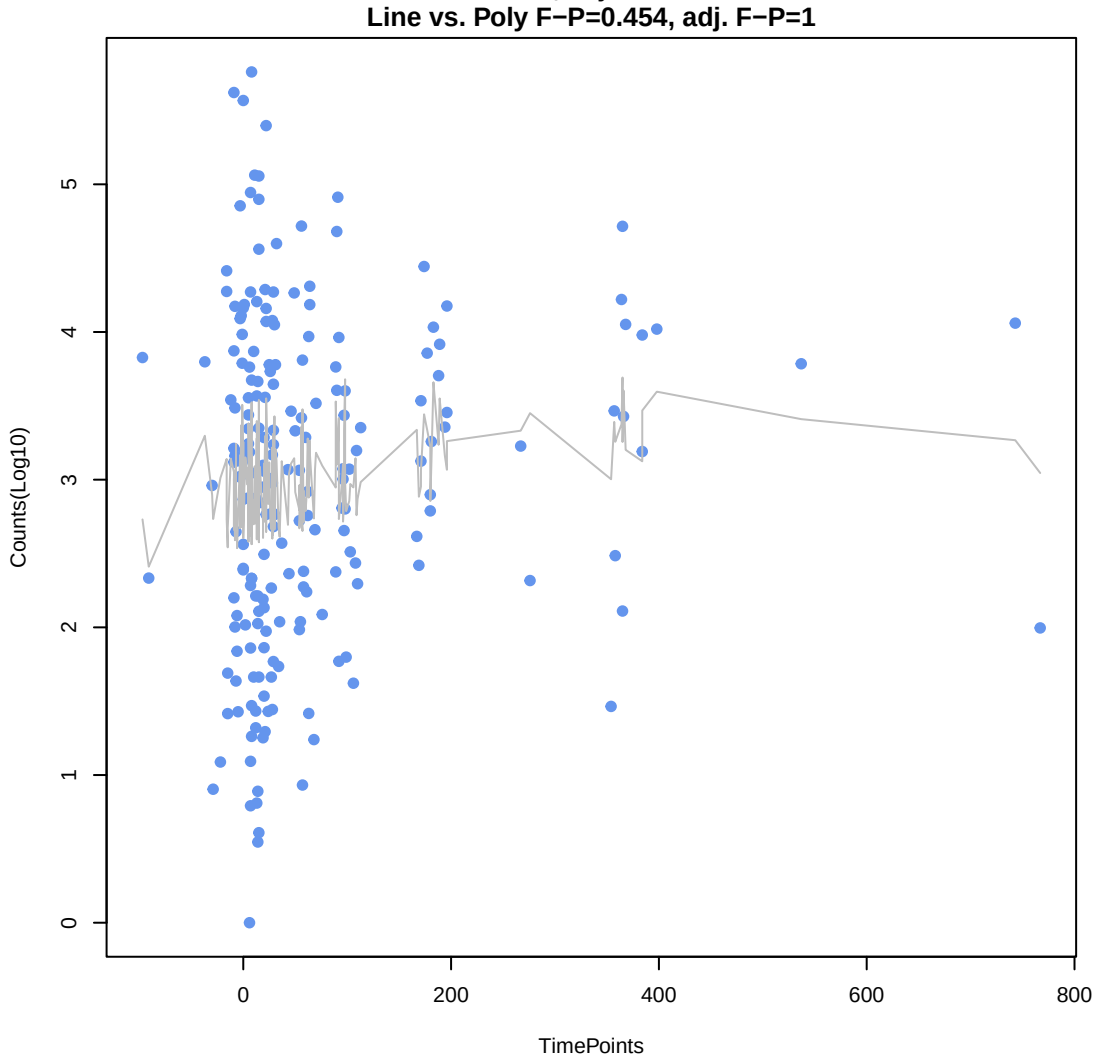

ANA beta−lactamase
ANOVA P=0.153, adj. ANOVA−P=0.788
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

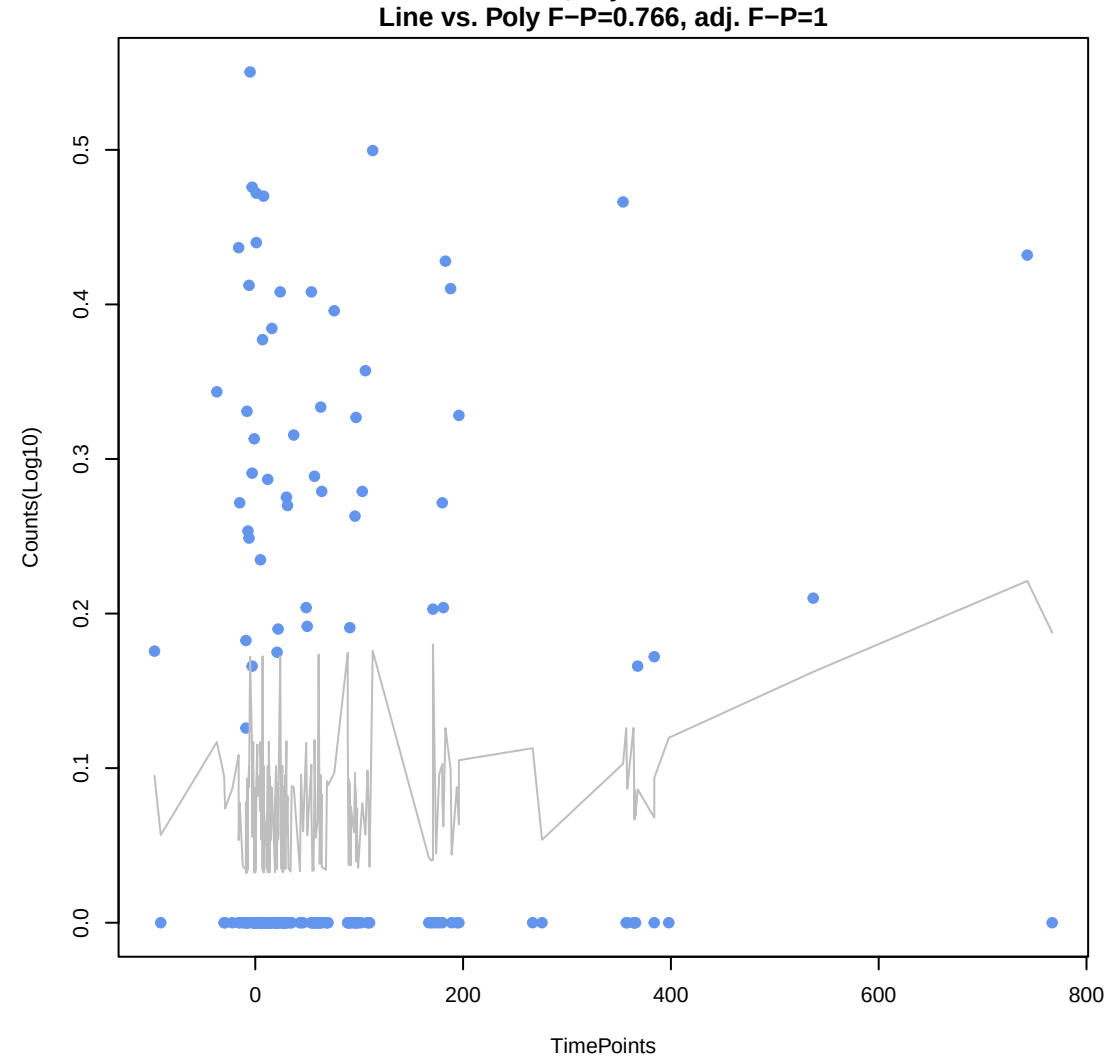

resistance−nodulation−cell division (RND) antibiotic efflux pump
ANOVA P=0.197, adj. ANOVA−P=0.817
Line vs. Poly F−P=0.763, adj. F−P=1
Counts(Log10)
TimePoints

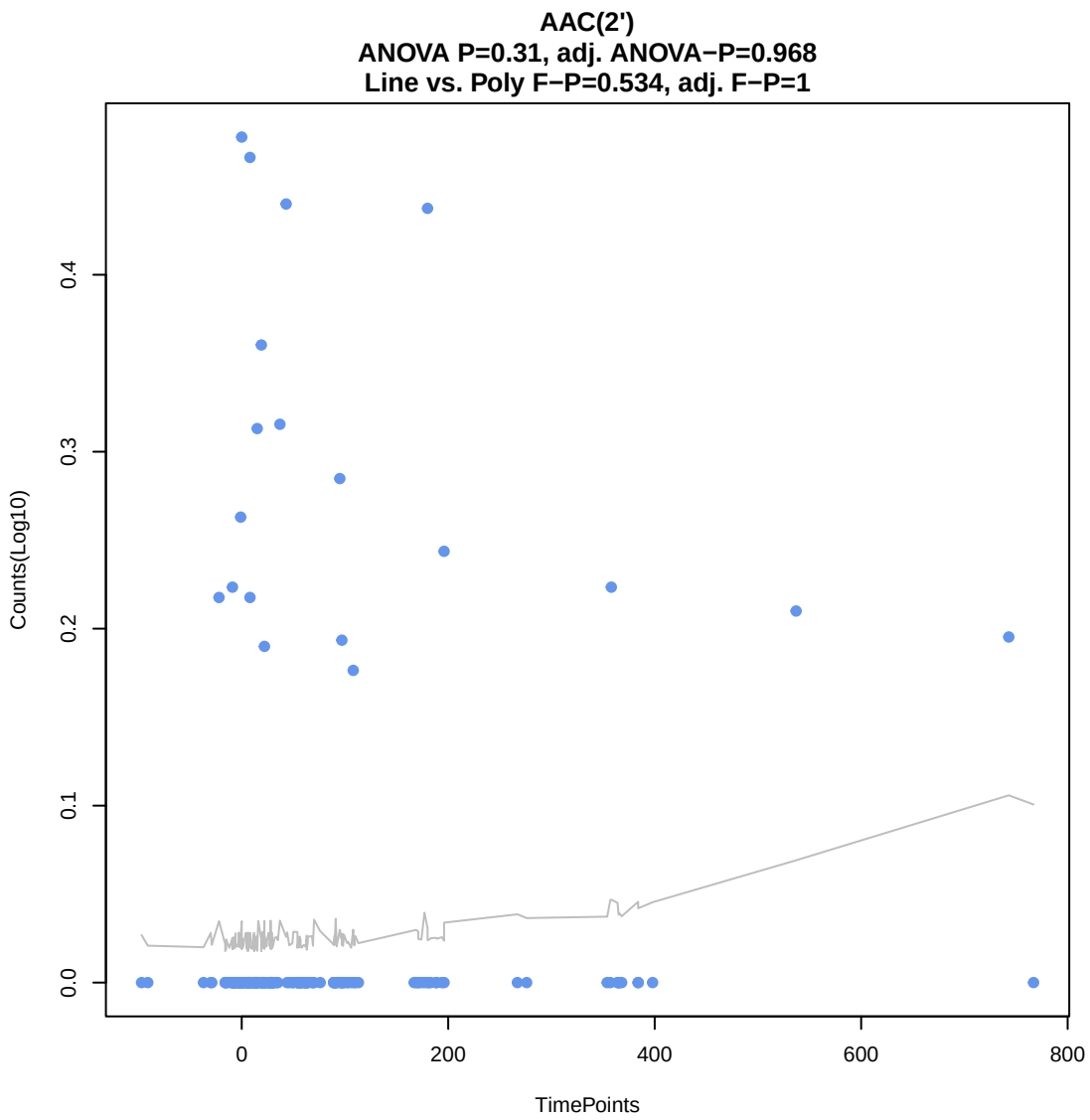

APH(4)
ANOVA P=0.204, adj. ANOVA−P=0.817
Line vs. Poly F−P=0.159, adj. F−P=0.983
Counts(Log10)
TimePoints

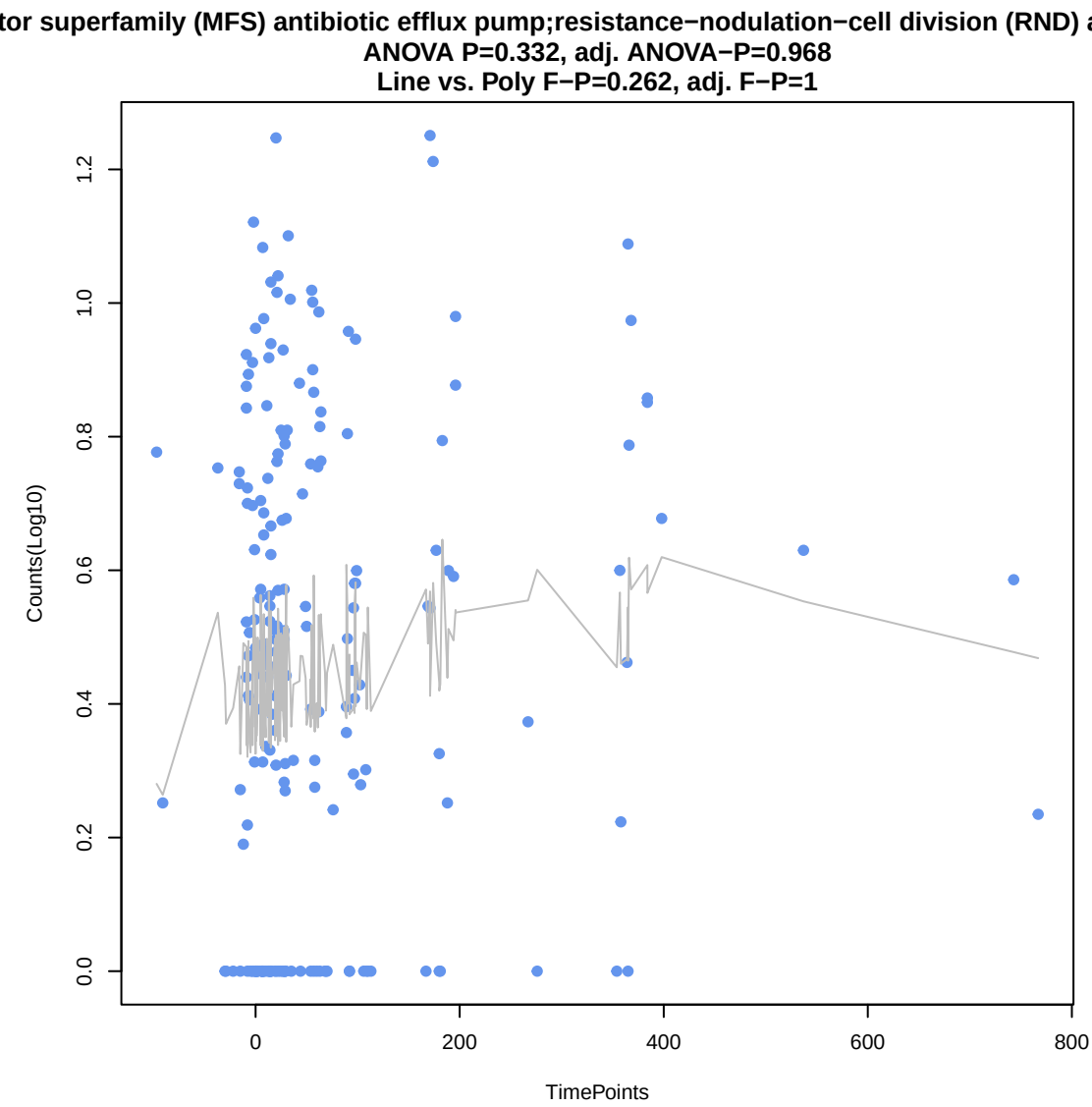

streptothricin acetyltransferase (SAT)
ANOVA P=0.207, adj. ANOVA−P=0.817
Line vs. Poly F−P=0.0658, adj. F−P=0.889
Counts(Log10)
TimePoints

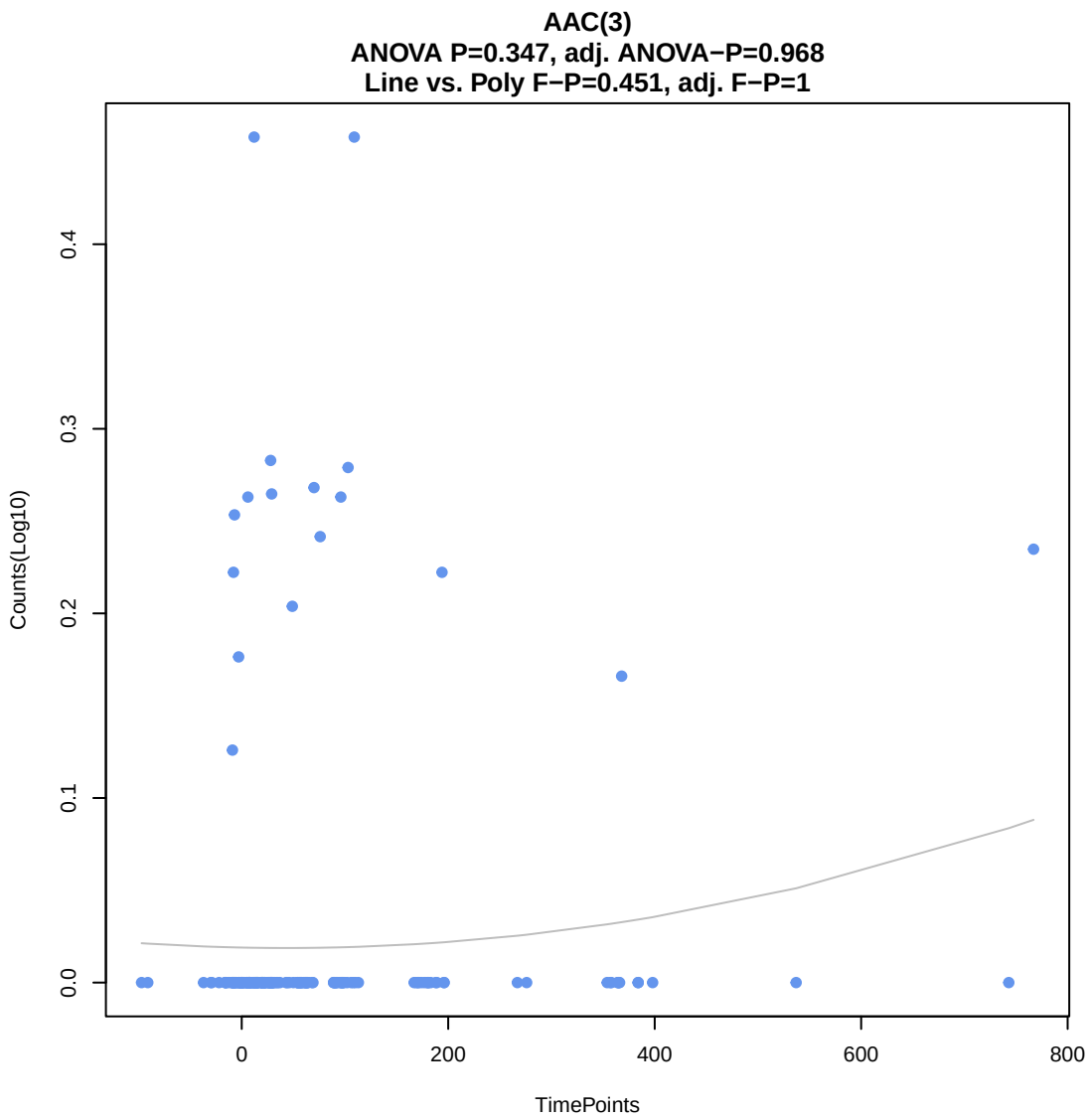

non−erm 23S ribosomal RNA methyltransferase (G748)
ANOVA P=0.211, adj. ANOVA−P=0.817
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

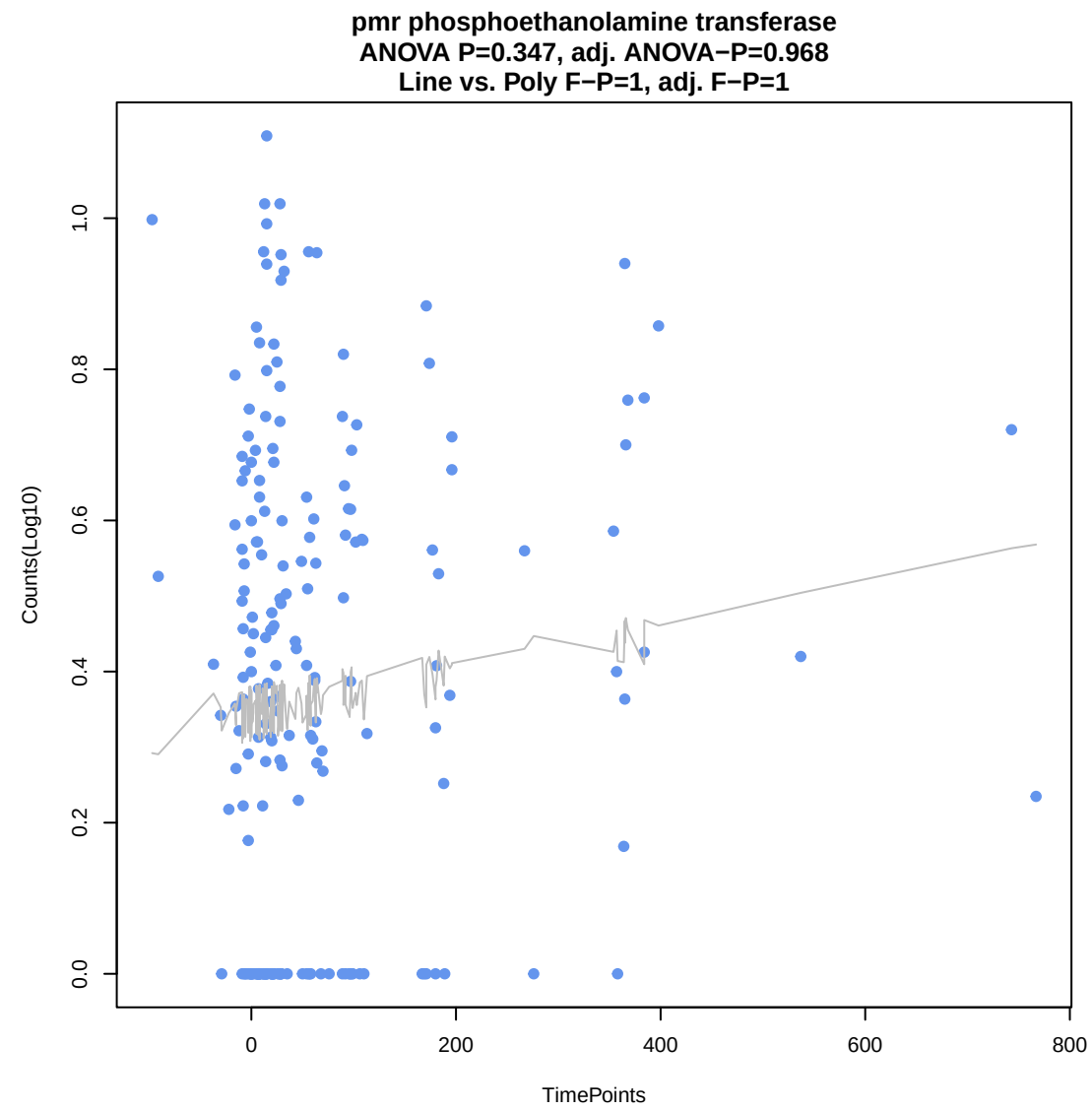

major facilitator superfamily (MFS) antibiotic efflux pump
ANOVA P=0.225, adj. ANOVA−P=0.821
Line vs. Poly F−P=0.454, adj. F−P=1
Counts(Log10)
TimePoints

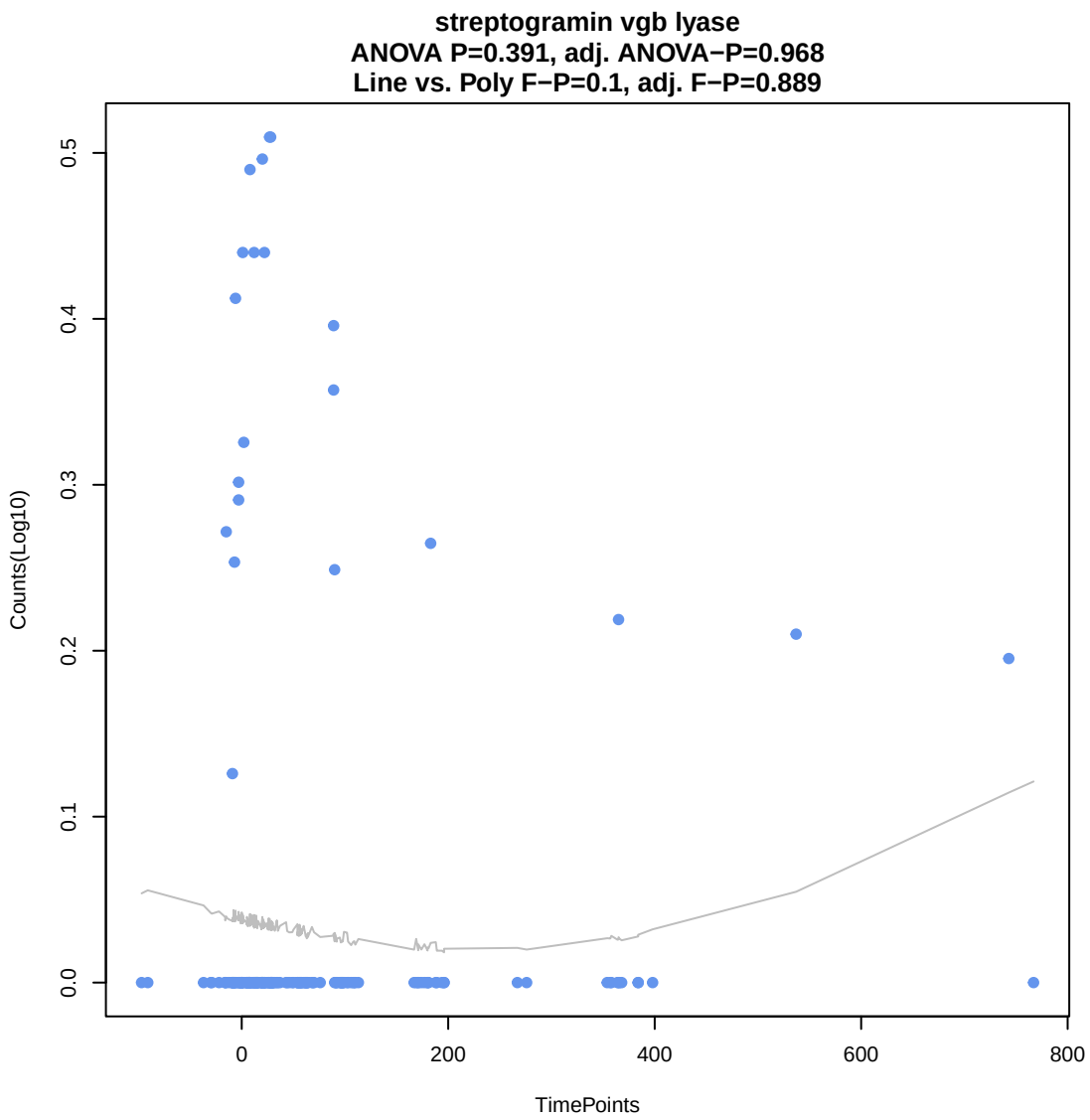

SHV beta−lactamase
ANOVA P=0.305, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.766, adj. F−P=1
Counts(Log10)
TimePoints

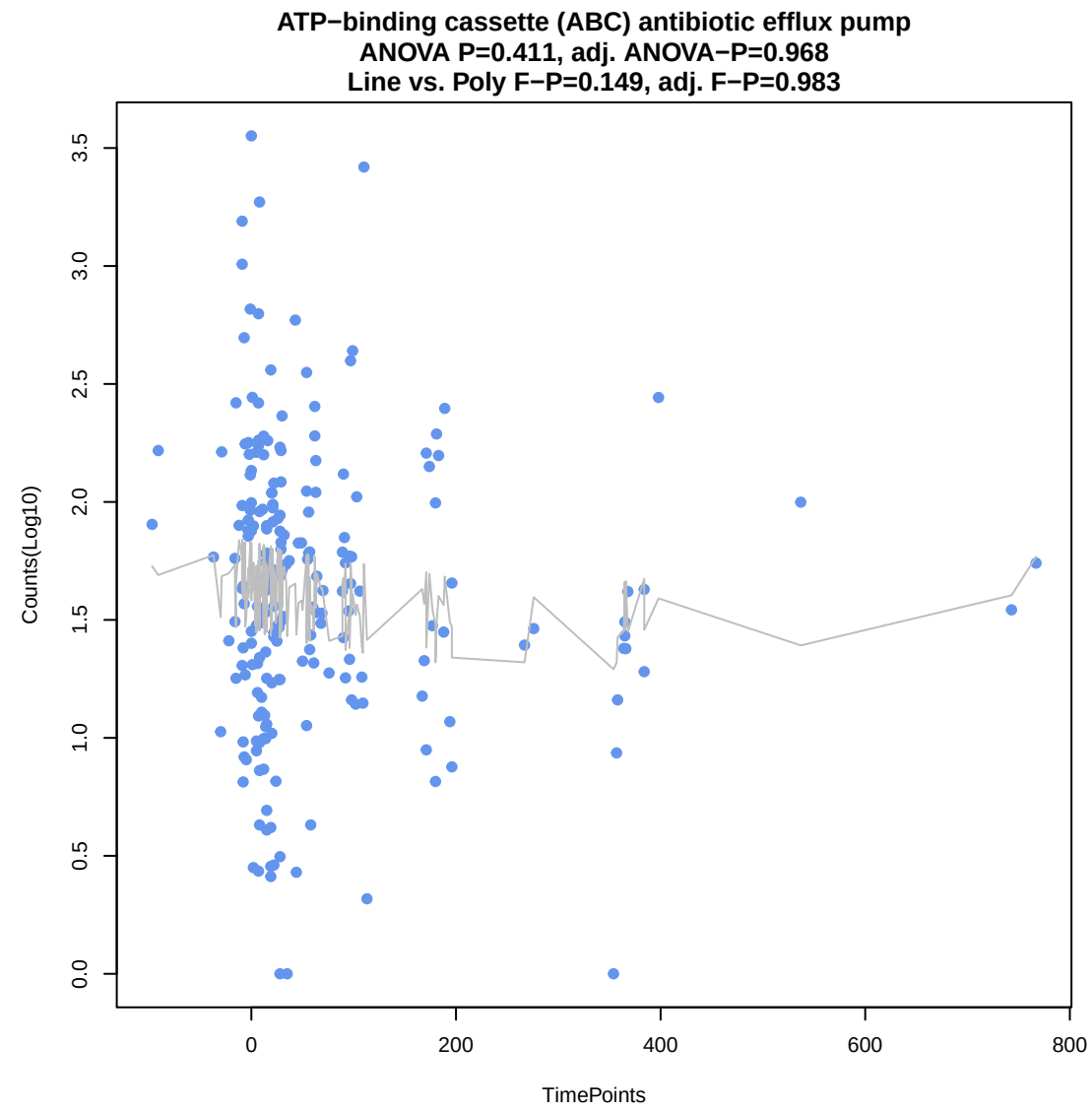

AAC(2')
ANOVA P=0.31, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.534, adj. F−P=1
Counts(Log10)
TimePoints

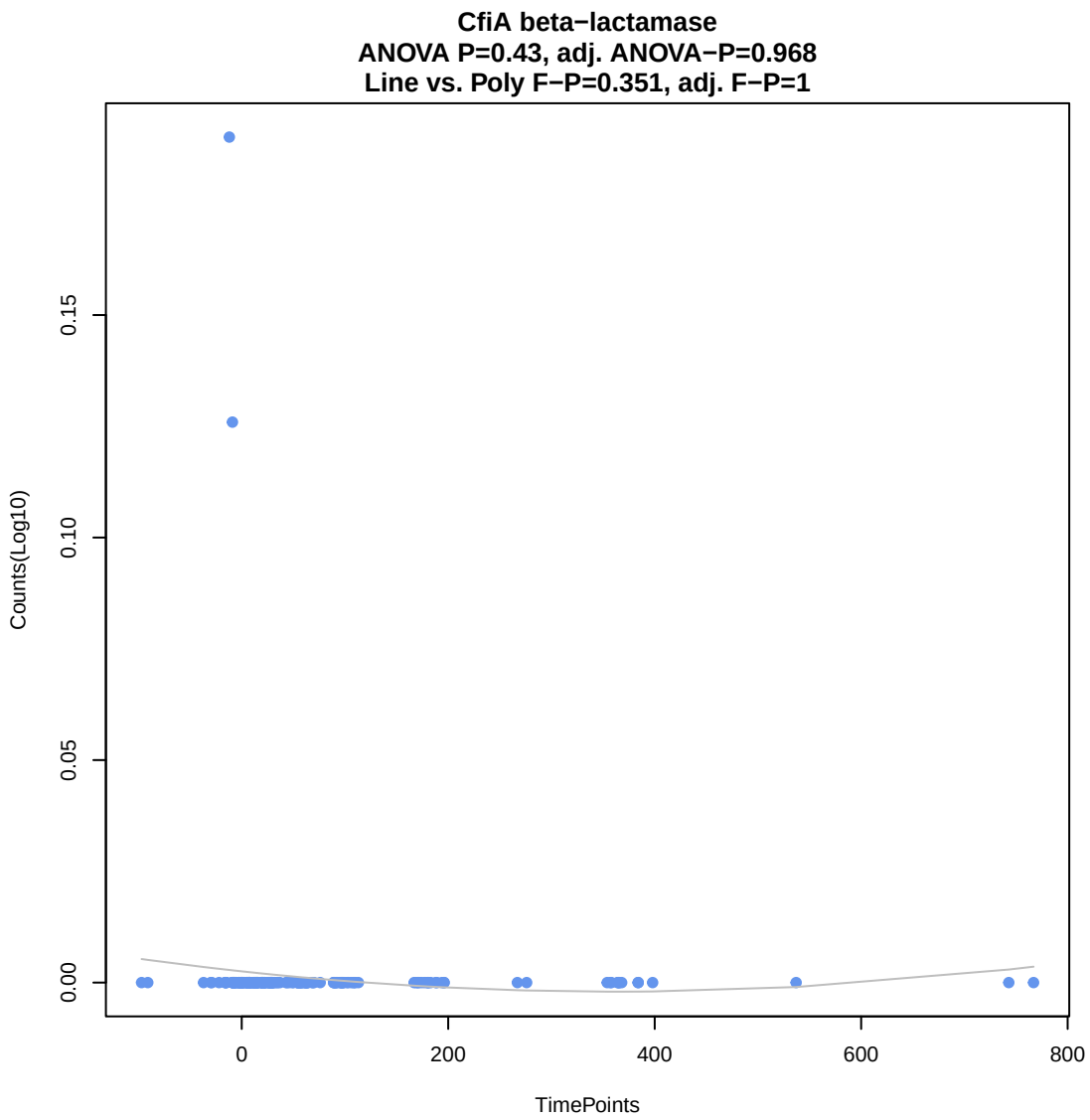

itator superfamily (MFS) antibiotic efflux pump;resistance−nodulation−cell division (RND) a
ANOVA P=0.332, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.262, adj. F−P=1
Counts(Log10)
TimePoints

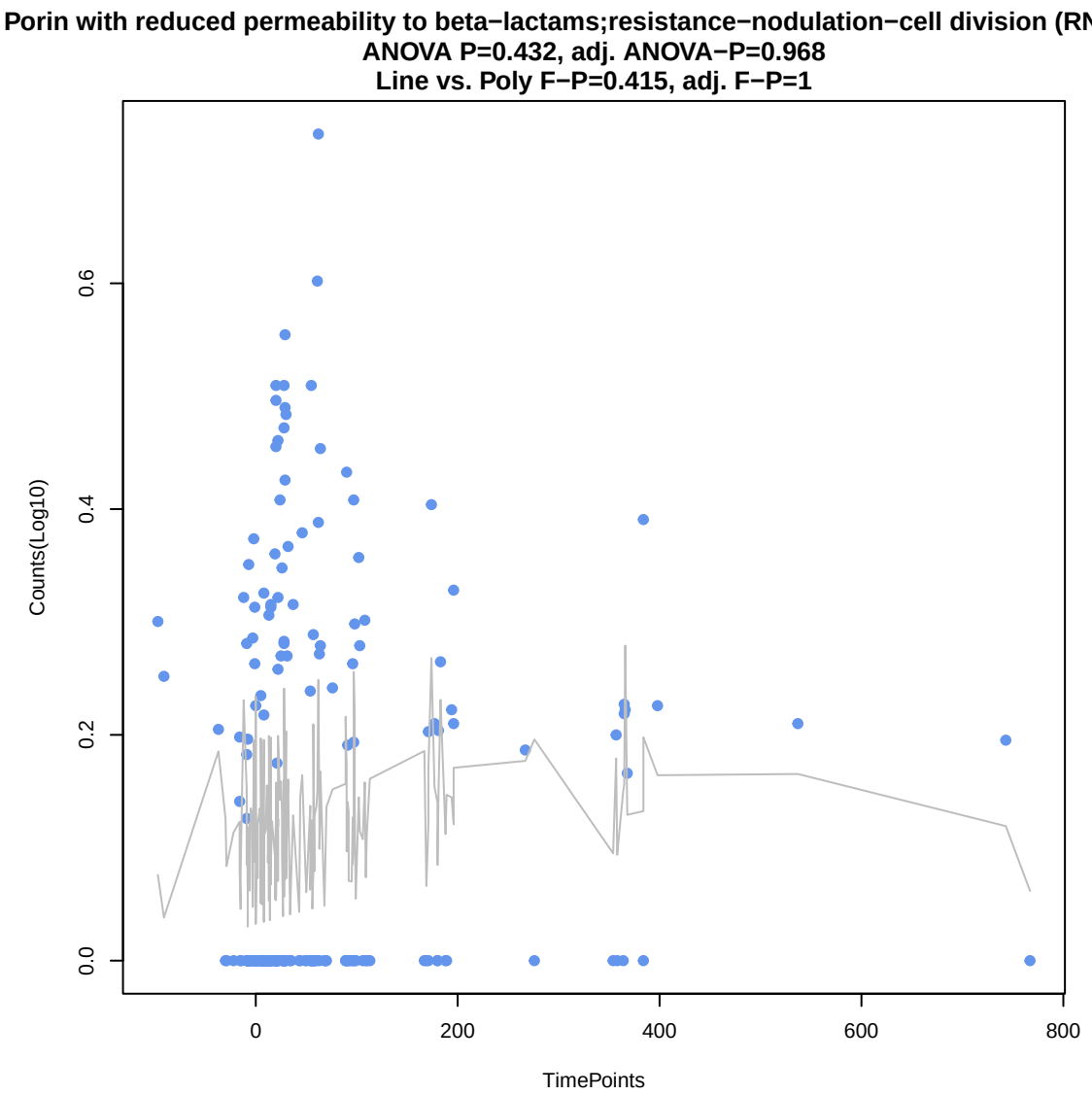

AAC(3)
ANOVA P=0.347, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.451, adj. F−P=1
Counts(Log10)
TimePoints

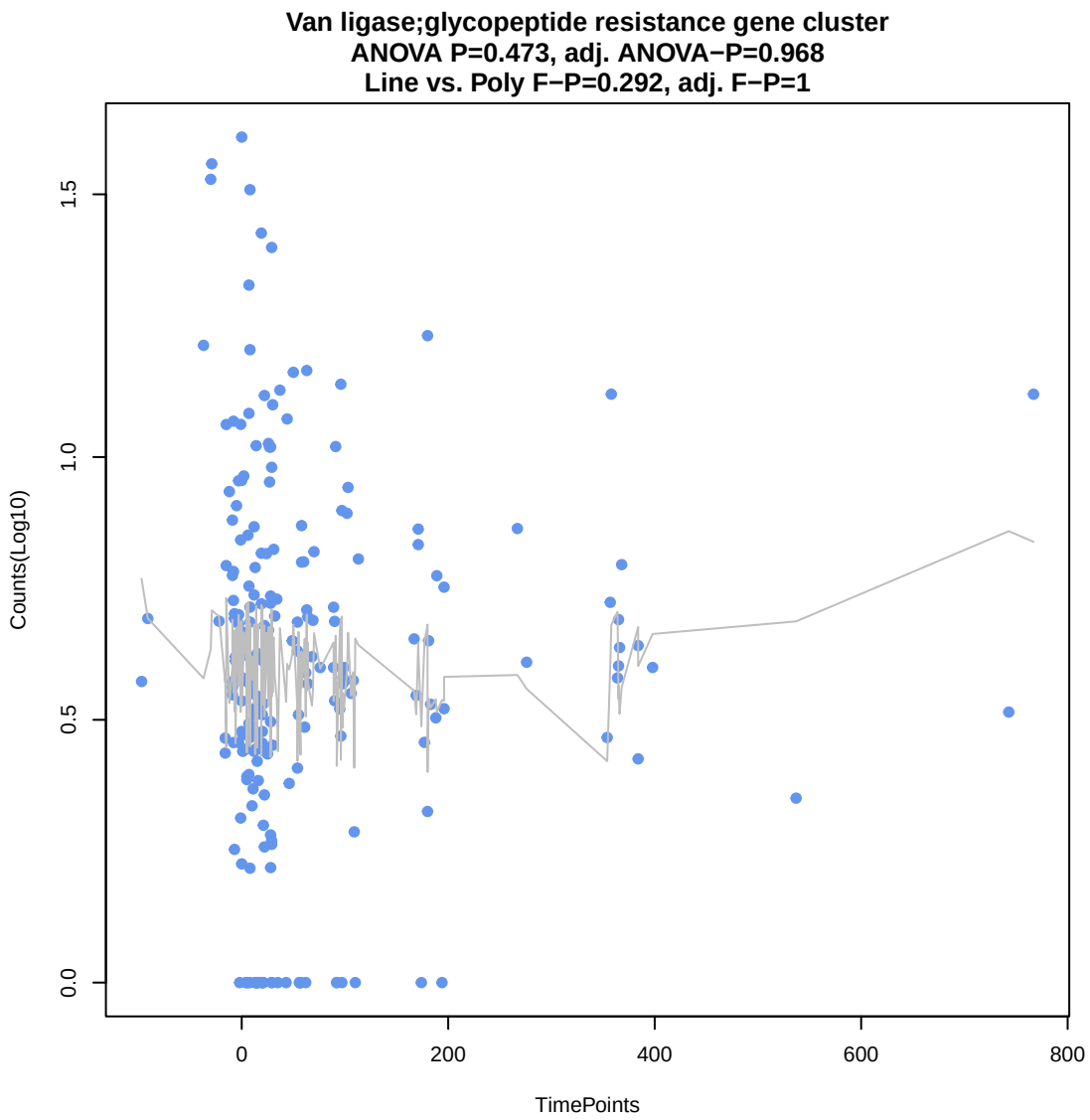

pmr phosphoethanolamine transferase
ANOVA P=0.347, adj. ANOVA−P=0.968
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

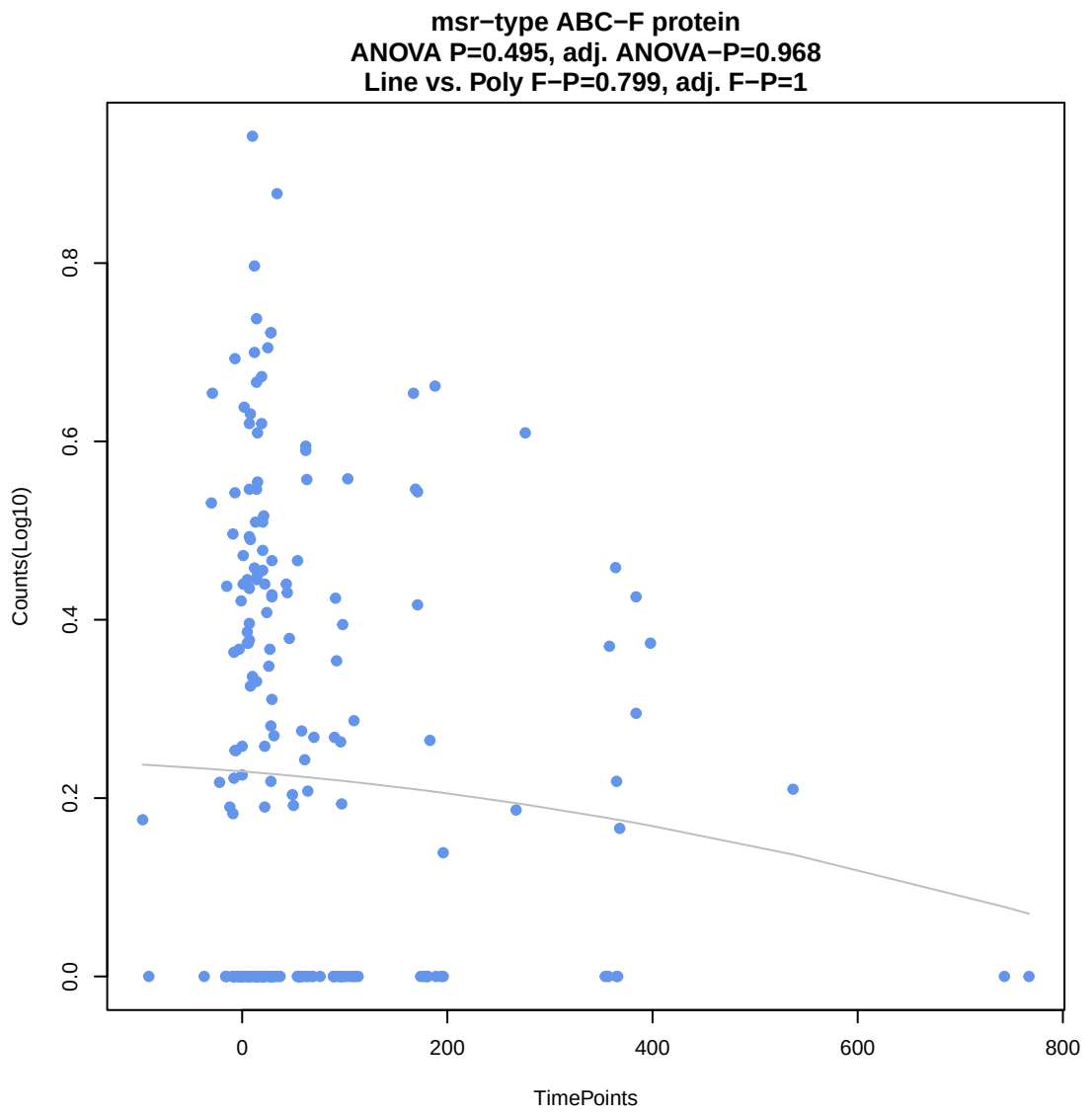

streptogramin vgb lyase
ANOVA P=0.391, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.1, adj. F−P=0.889
Counts(Log10)
TimePoints

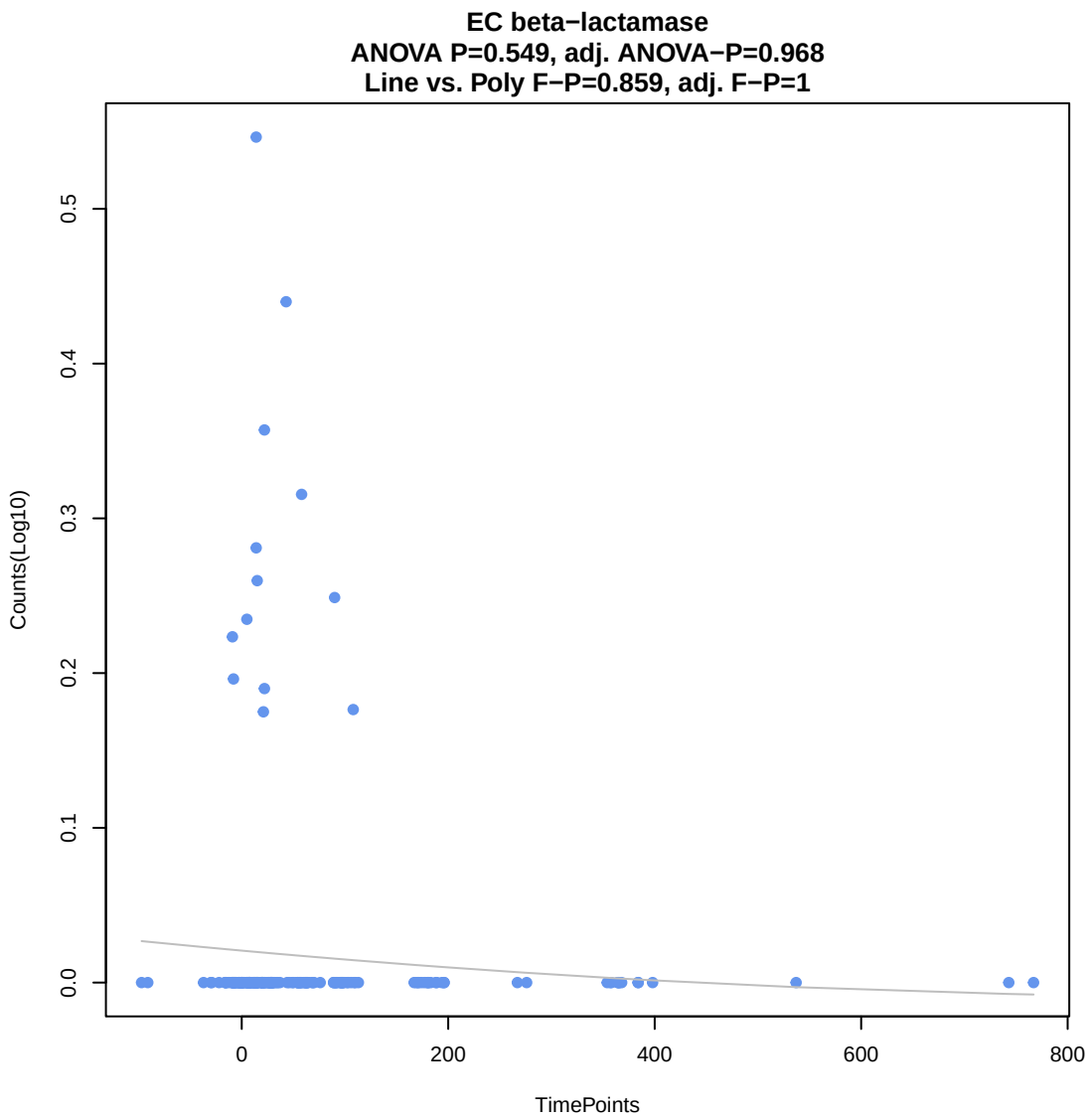

ATP−binding cassette (ABC) antibiotic efflux pump
ANOVA P=0.411, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.149, adj. F−P=0.983
Counts(Log10)
TimePoints

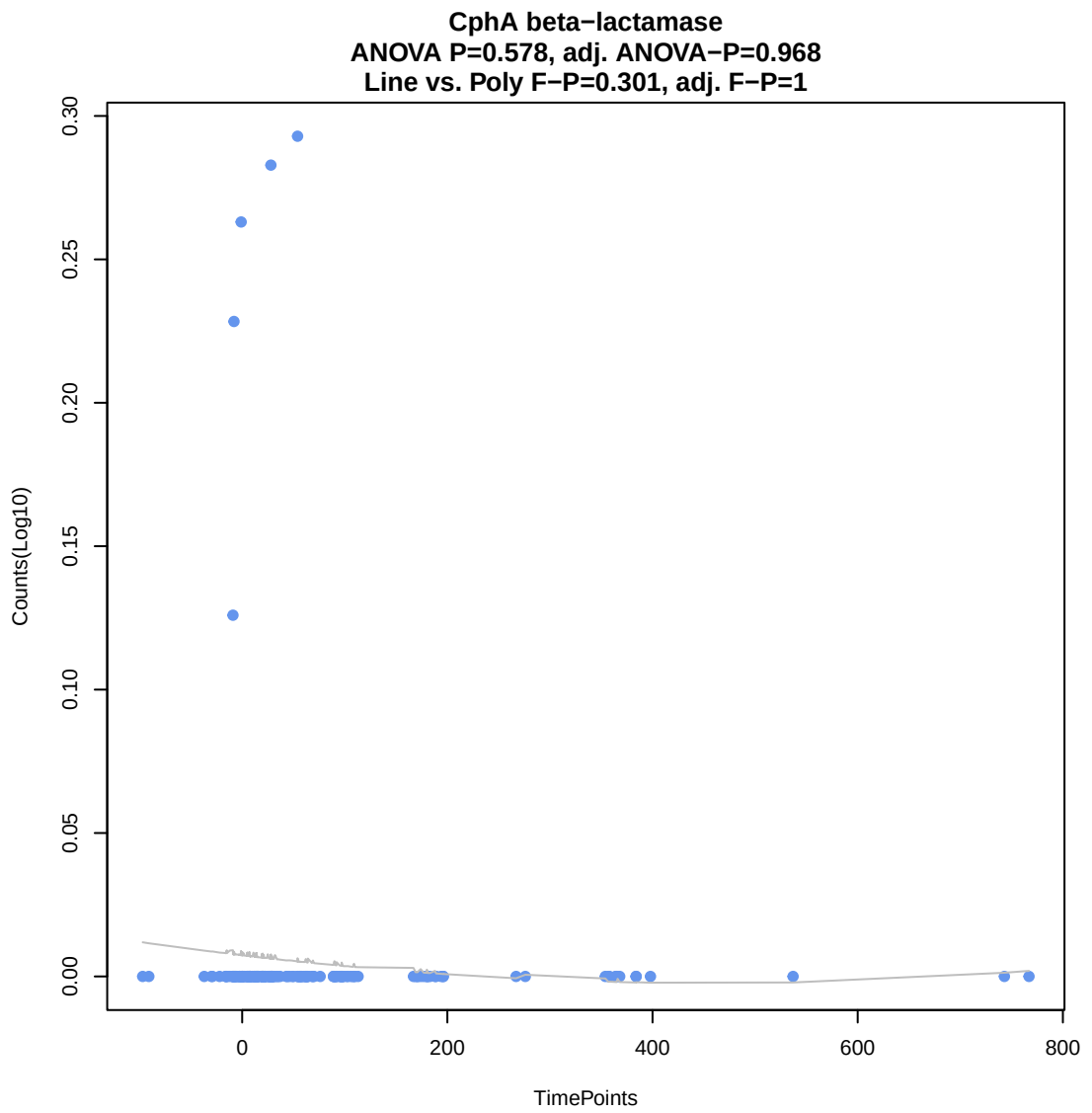

CfiA beta−lactamase
ANOVA P=0.43, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.351, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0
200
400
600
800
TimePoints

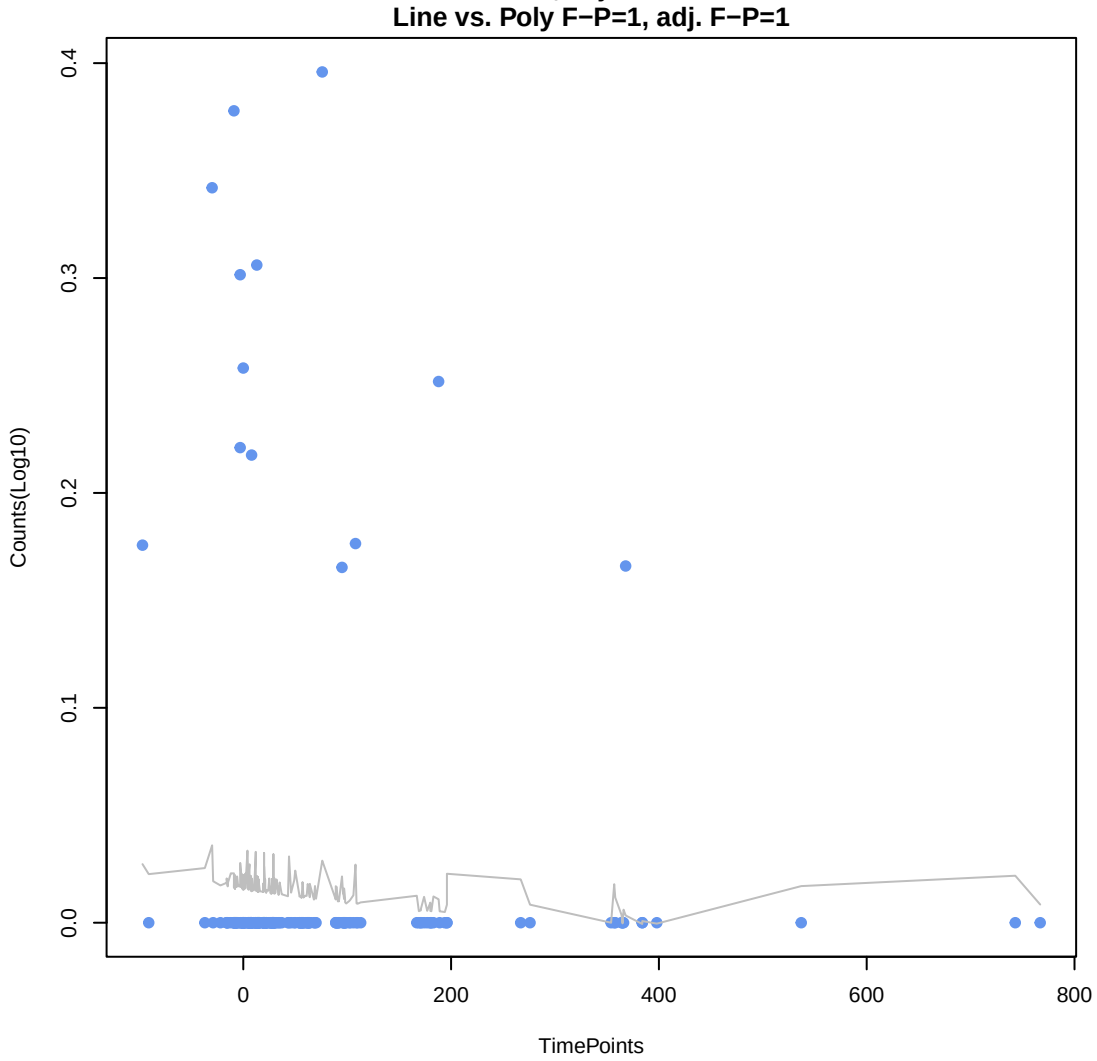

al Porin with reduced permeability to beta−lactams;resistance−nodulation−cell division (RN
ANOVA P=0.432, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.415, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0
200
400
600
800
TimePoints

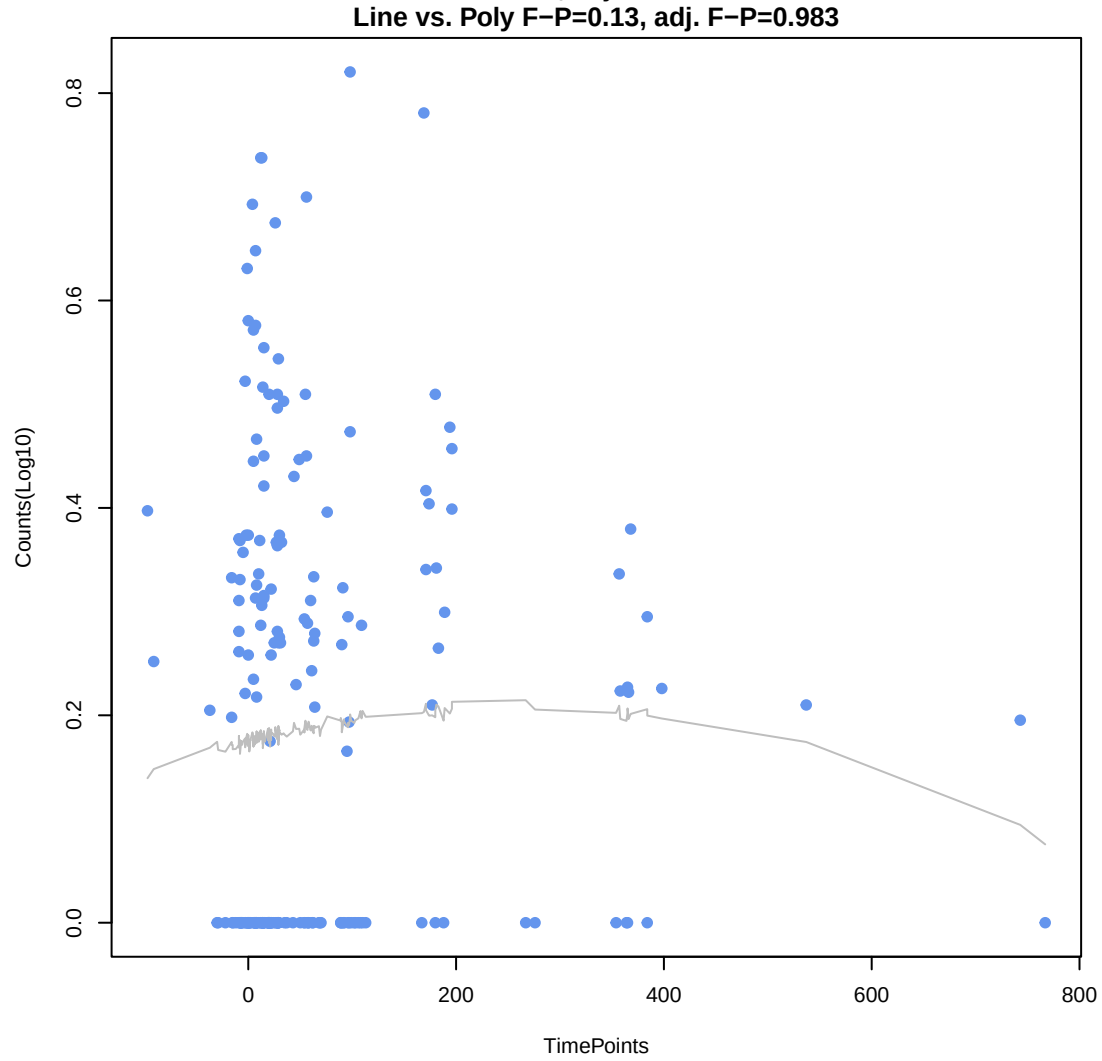

Van ligase;glycopeptide resistance gene cluster
ANOVA P=0.473, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.292, adj. F−P=1
Counts(Log10)
0.0
0.5
1.0
1.5
0
200
400
600
800
TimePoints

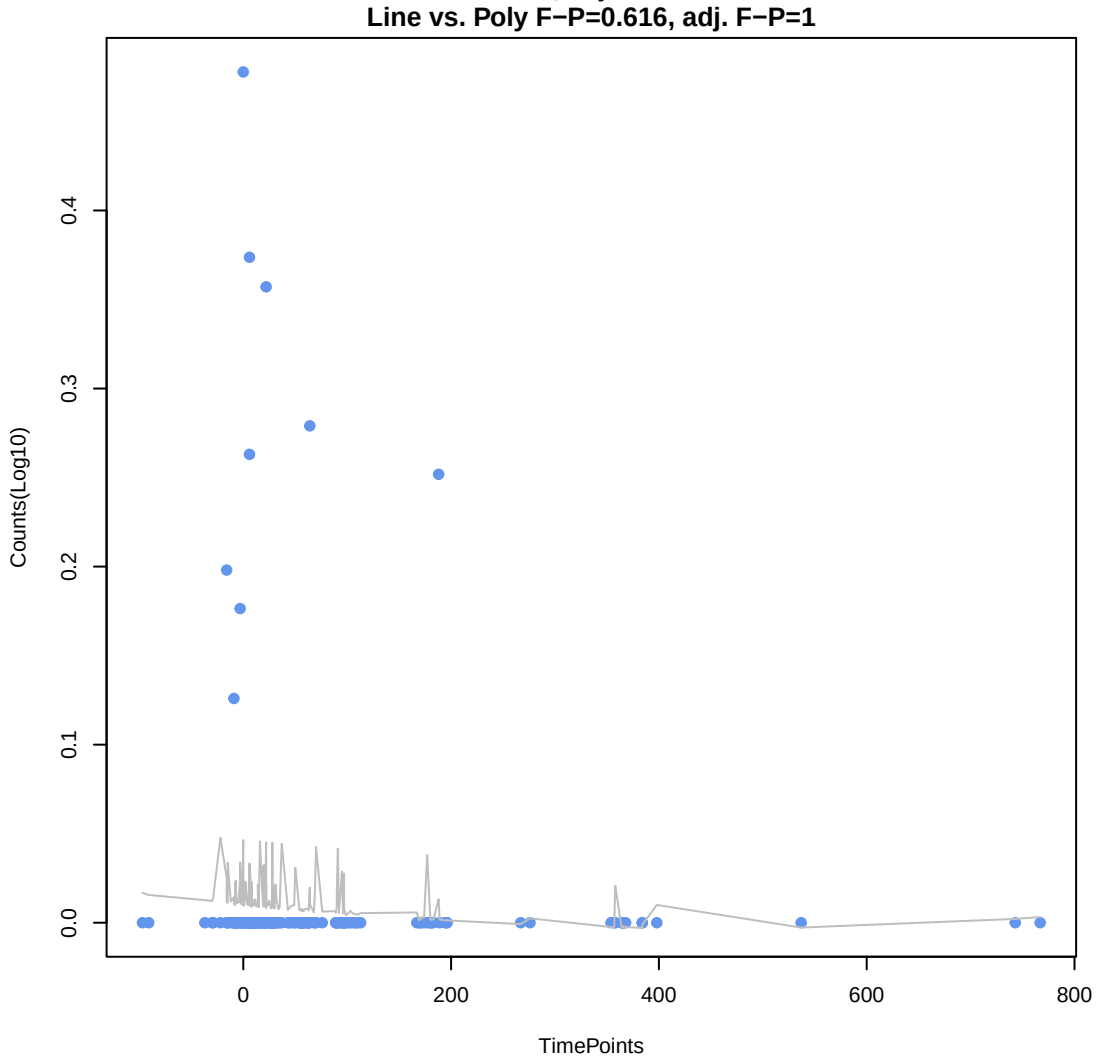

msr−type ABC−F protein
ANOVA P=0.495, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.799, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
0
200
400
600
800
TimePoints

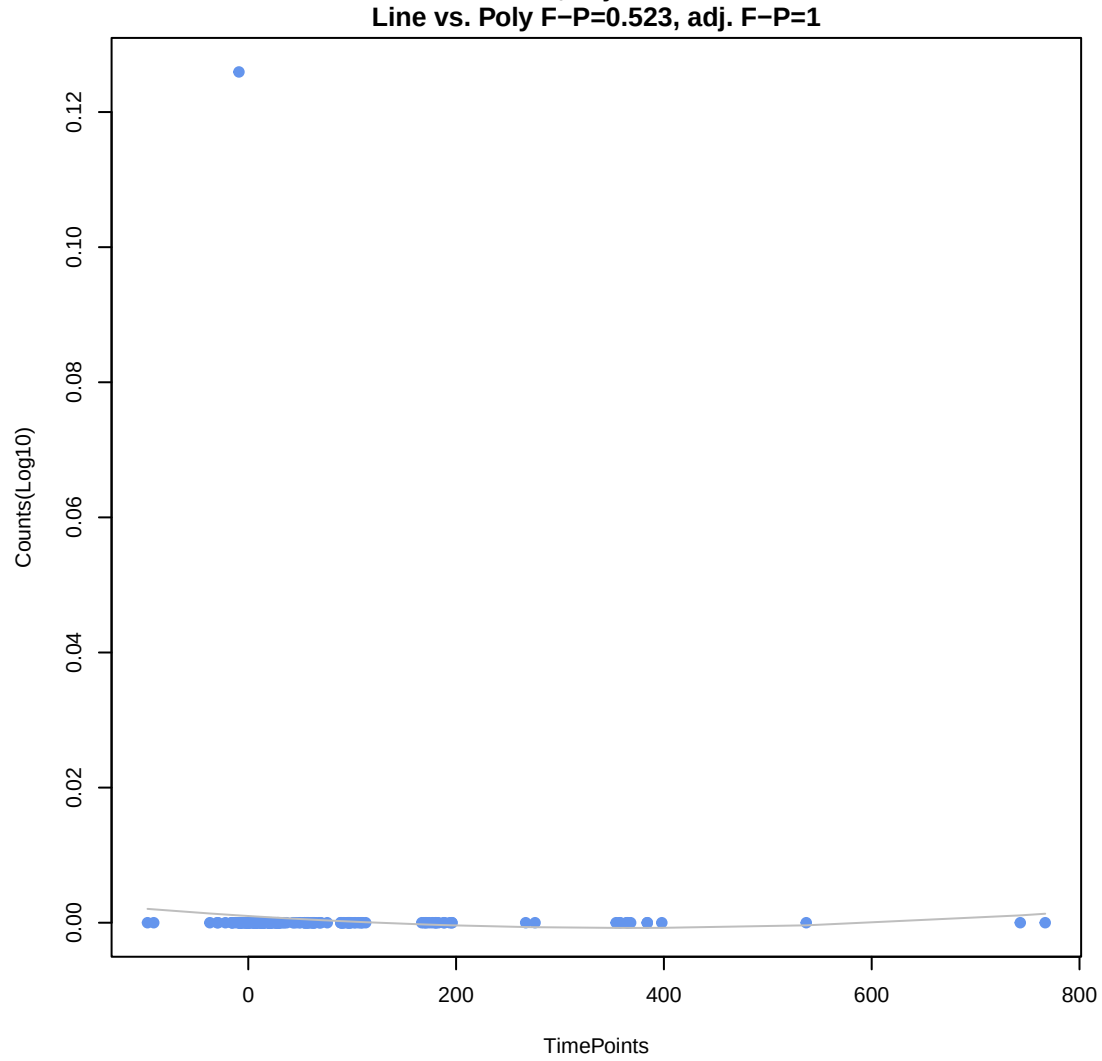

EC beta−lactamase
ANOVA P=0.549, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.859, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0.5
0
200
400
600
800
TimePoints

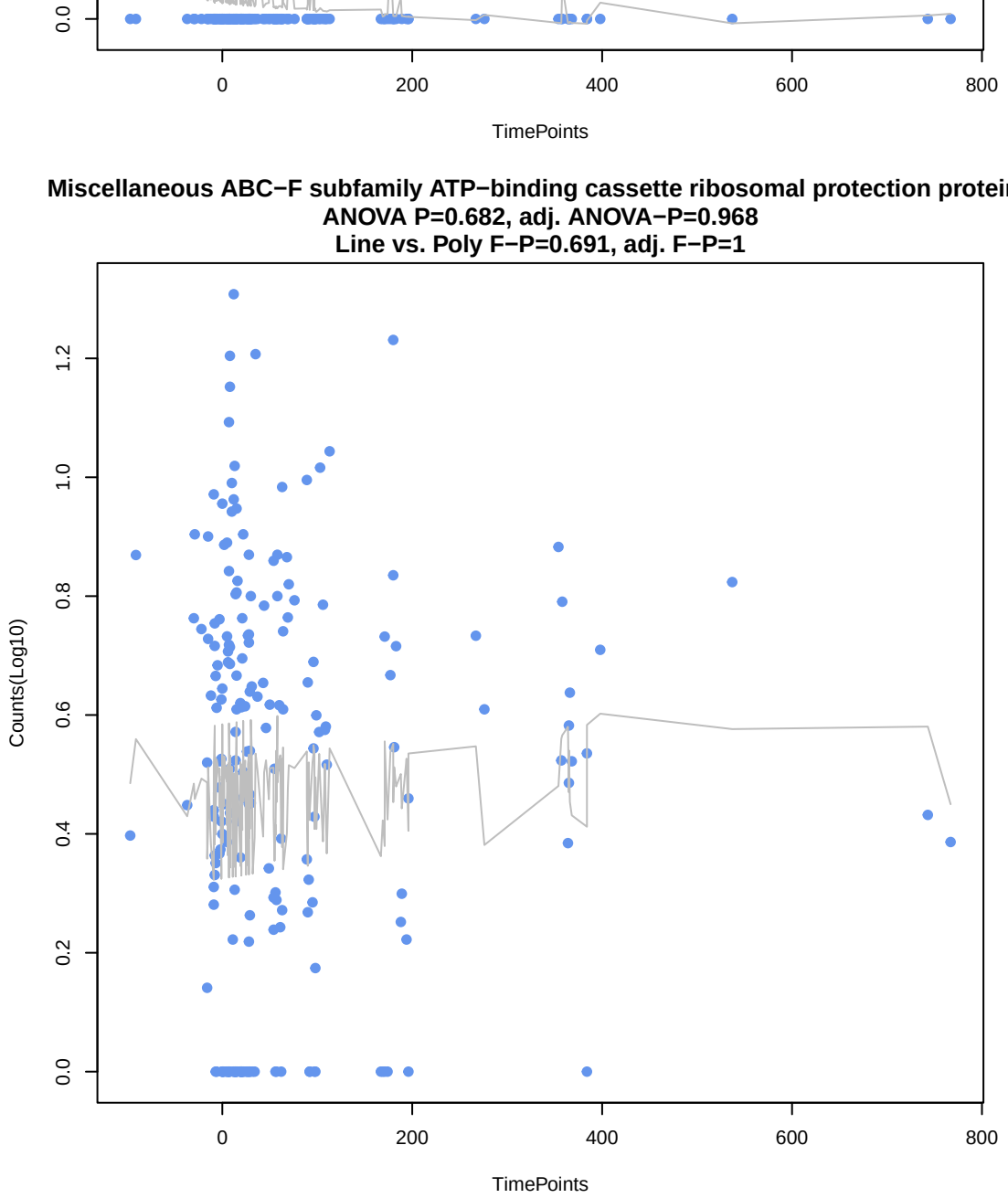

CphA beta−lactamase
ANOVA P=0.578, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.301, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
200
400
600
800
TimePoints

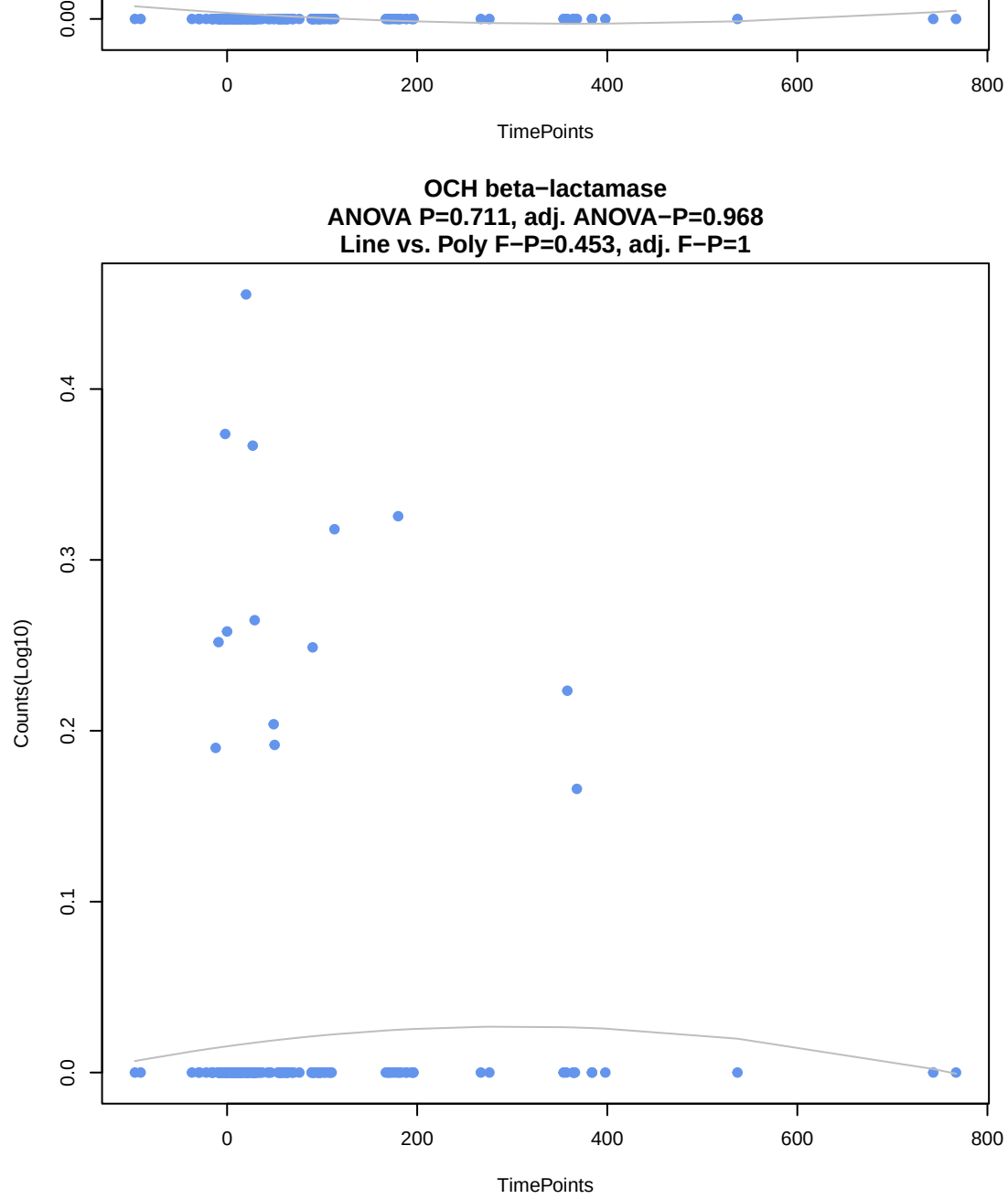

quinolone resistance protein (qnr)
ANOVA P=0.583, adj. ANOVA−P=0.968
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0
200
400
600
800
TimePoints

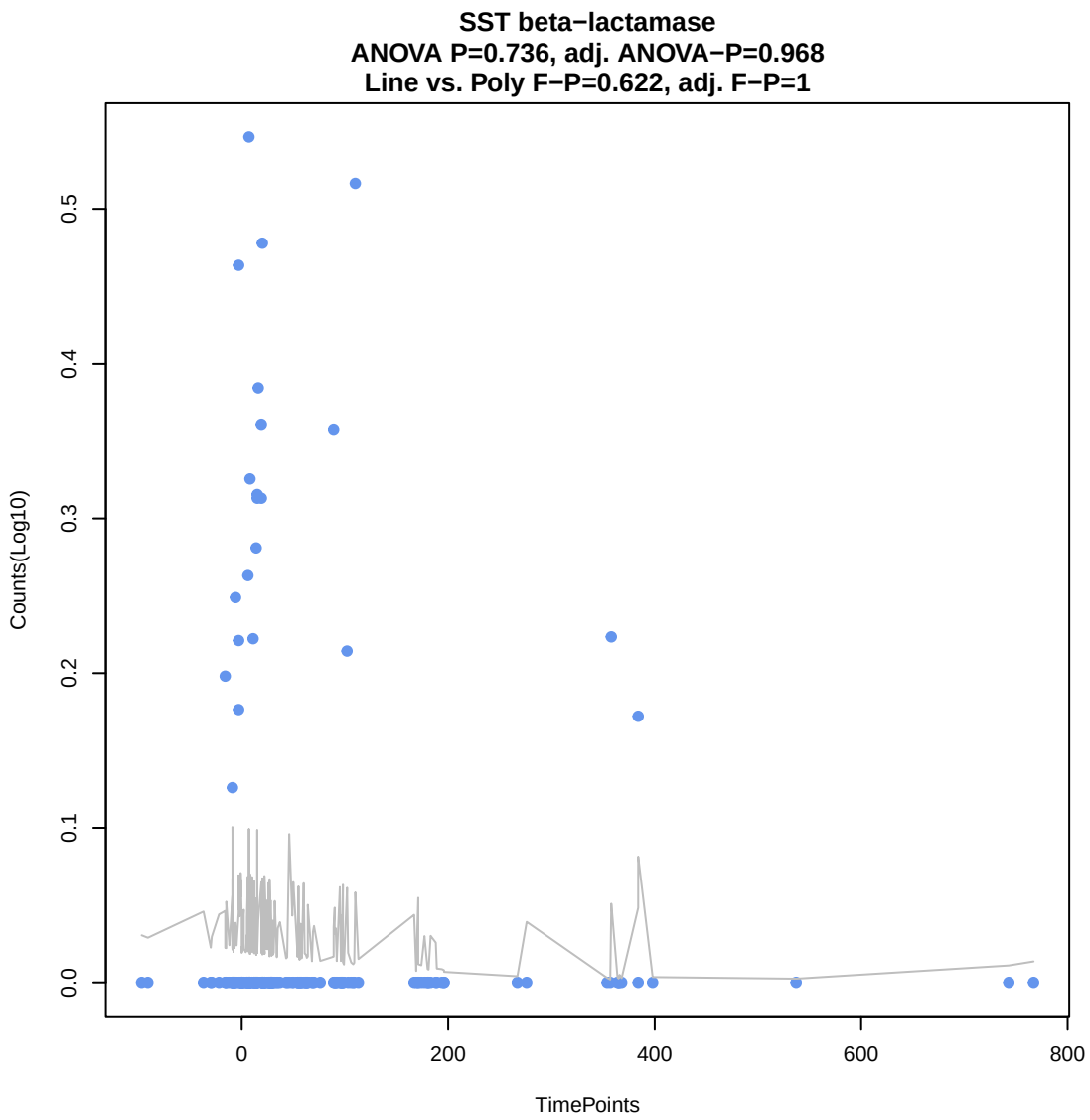

ic efflux pump;major facilitator superfamily (MFS) antibiotic efflux pump;resistance−nodula
ANOVA P=0.612, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.13, adj. F−P=0.983
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
0
200
400
600
800
TimePoints

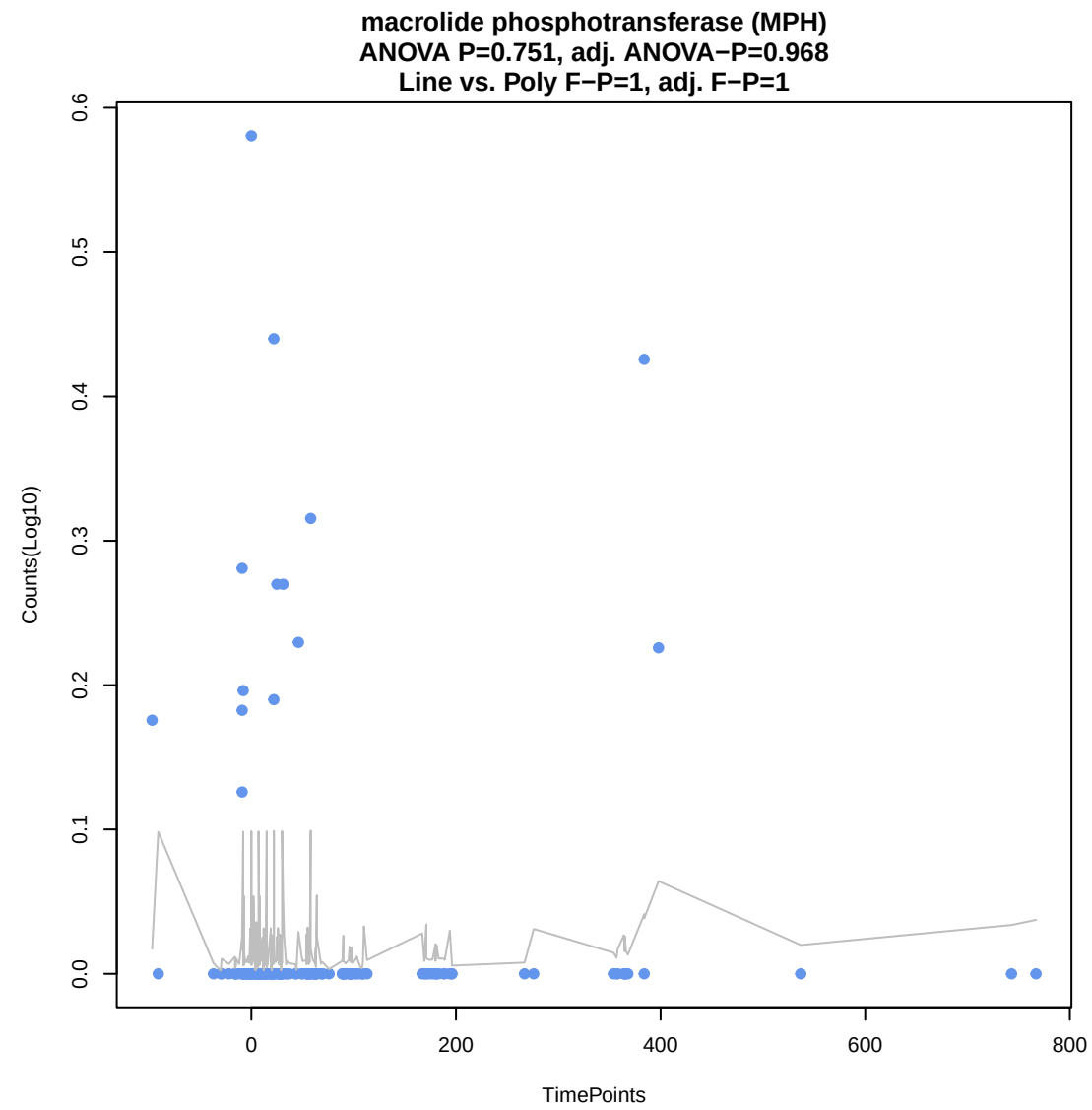

blaS
ANOVA P=0.656, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.616, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0
200
400
600
800
TimePoints

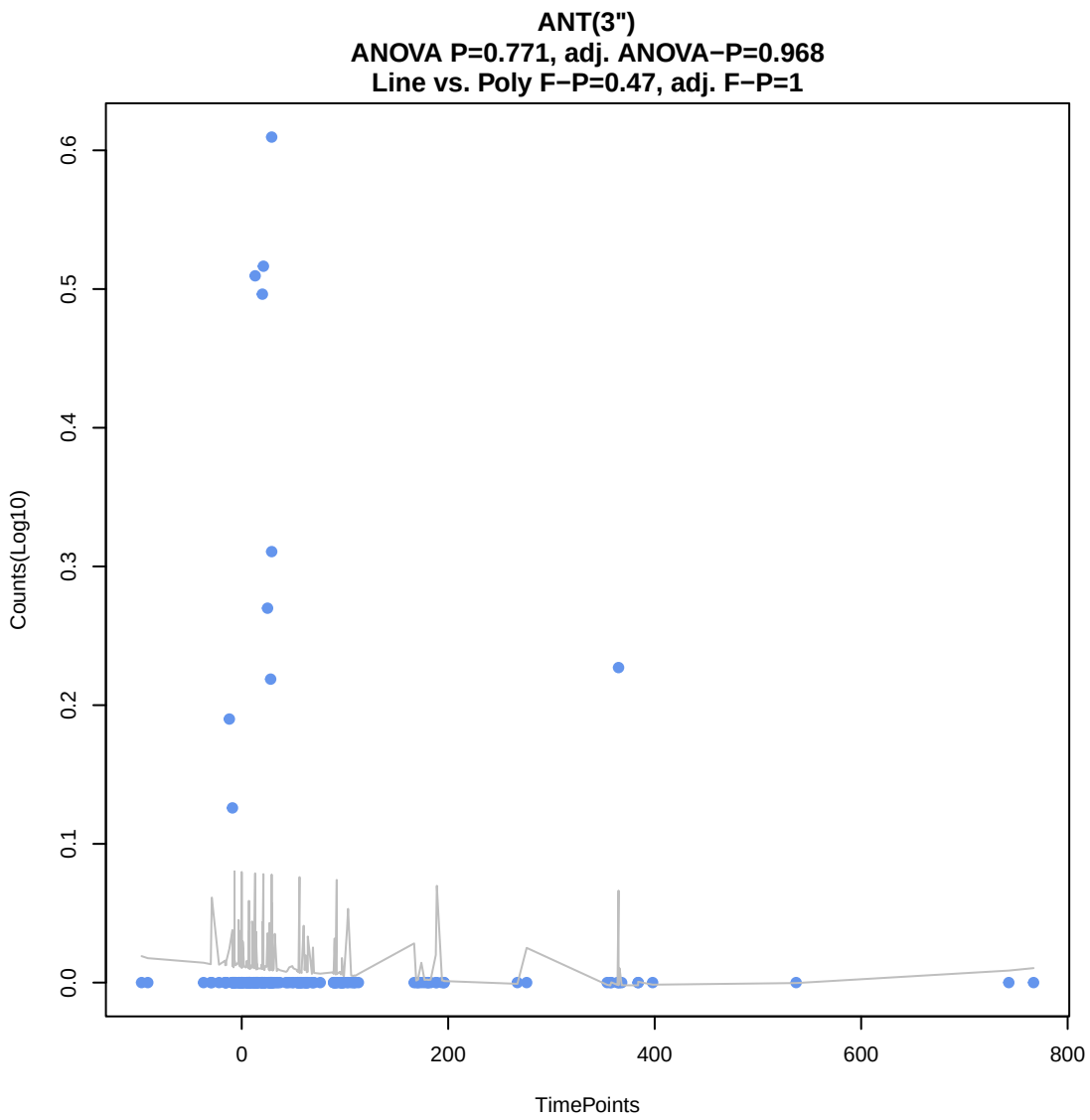

BEL beta−lactamase
ANOVA P=0.666, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.523, adj. F−P=1
Counts(Log10)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
200
400
600
800
TimePoints

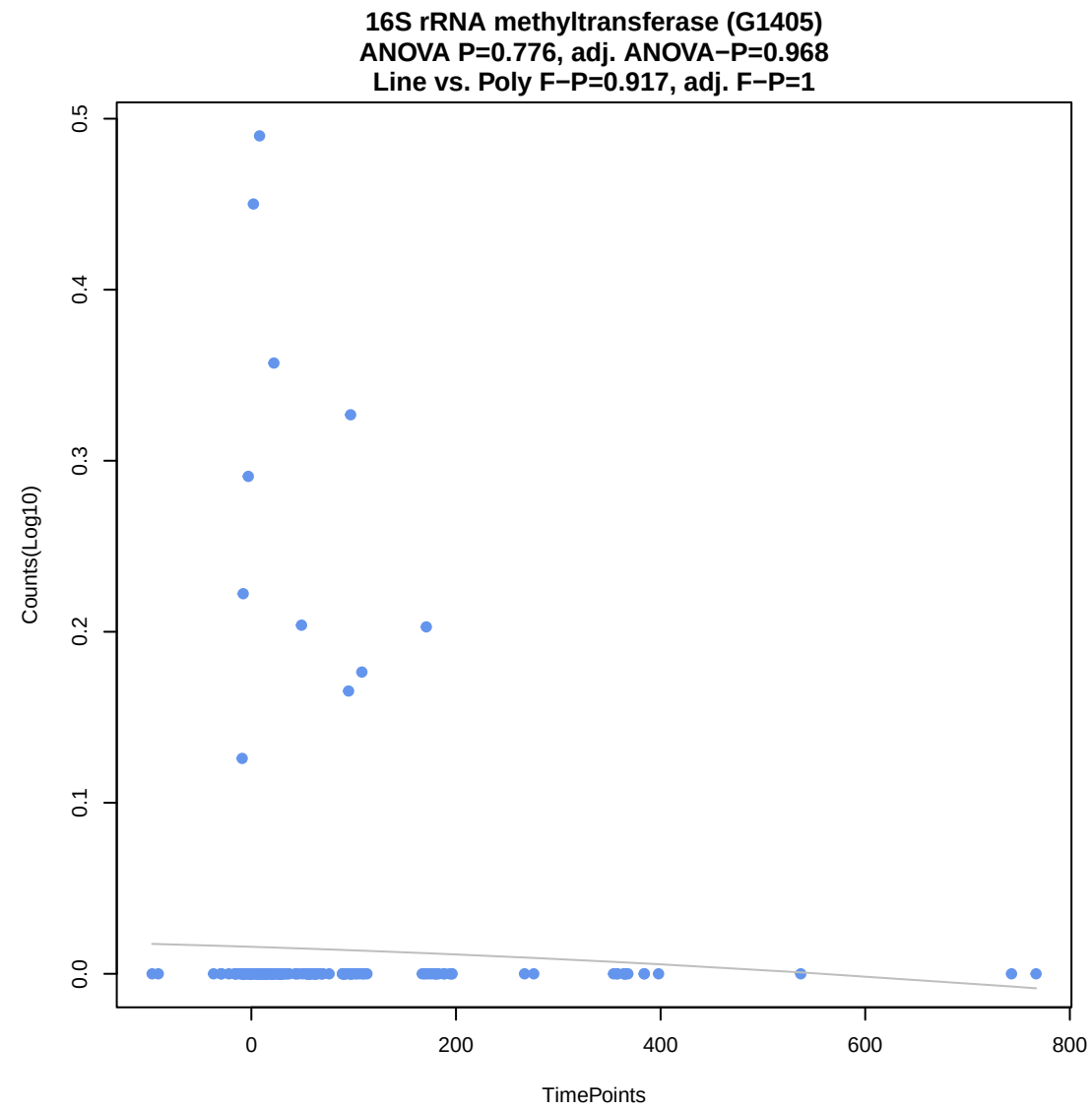

Miscellaneous ABC−F subfamily ATP−binding cassette ribosomal protection protei
ANOVA P=0.682, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.691, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
200
400
600
800
TimePoints

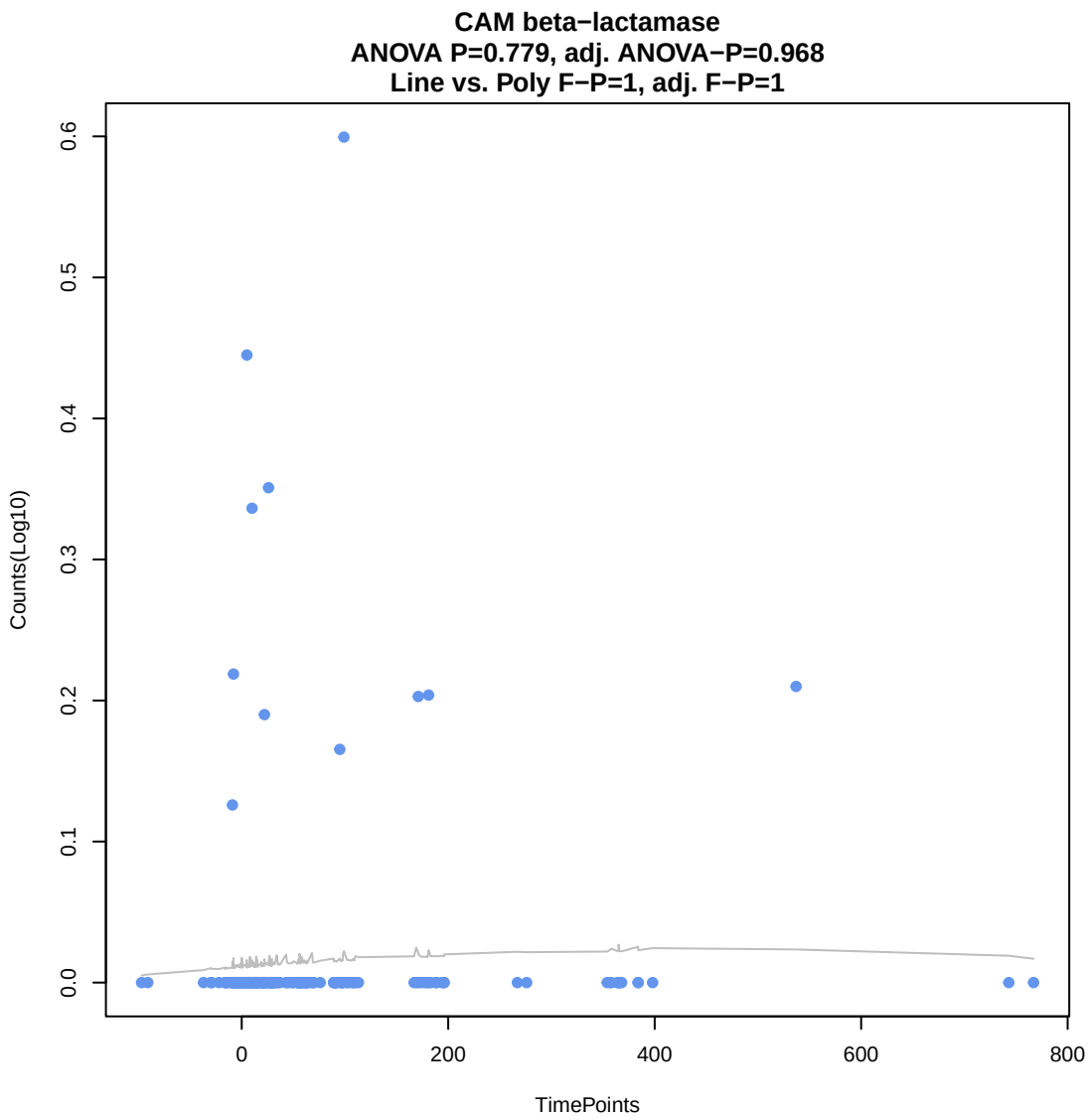

OCH beta−lactamase
ANOVA P=0.711, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.453, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0
200
400
600
800
TimePoints

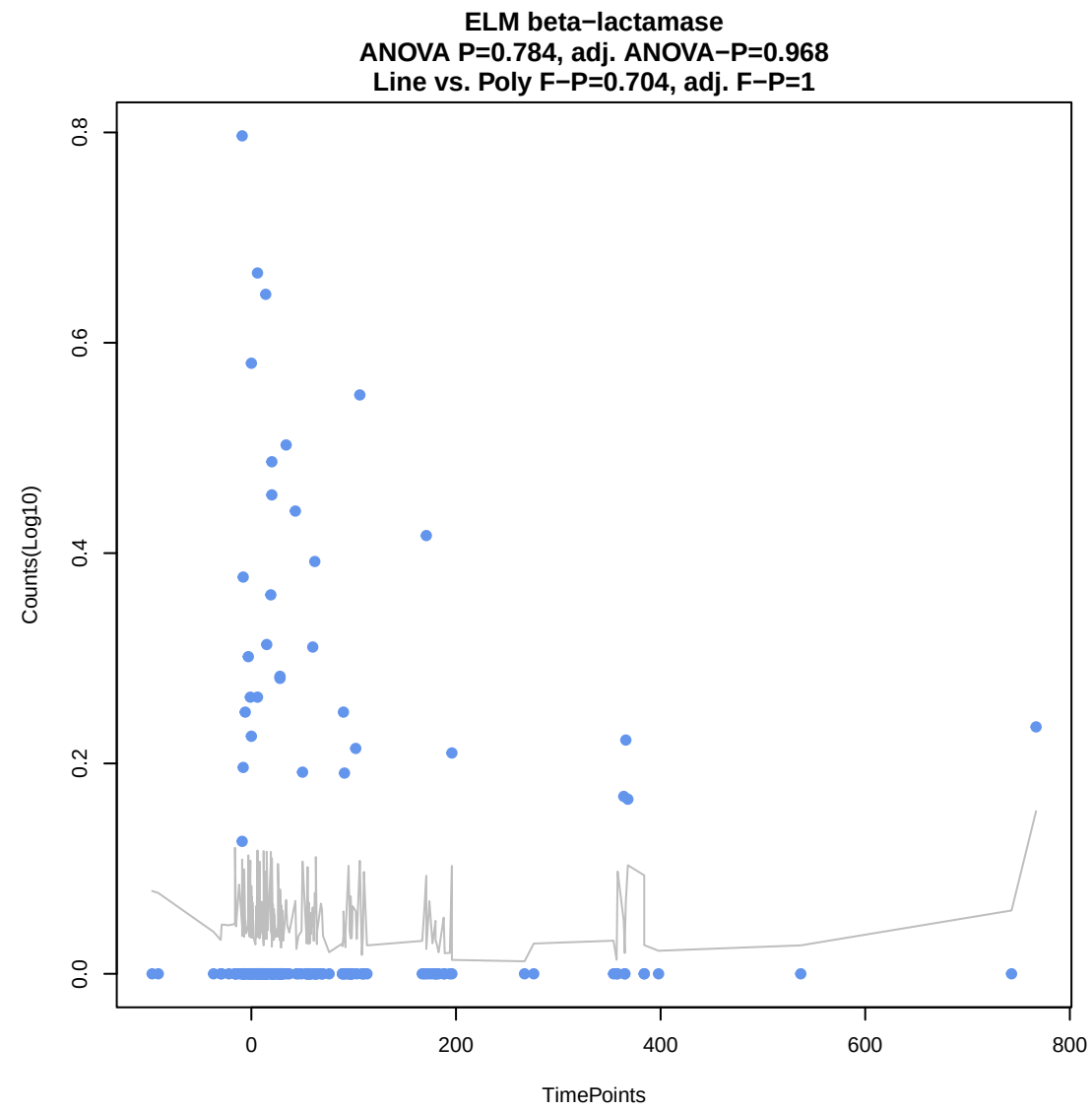

SST beta−lactamase
ANOVA P=0.736, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.622, adj. F−P=1
Counts(Log10)
TimePoints

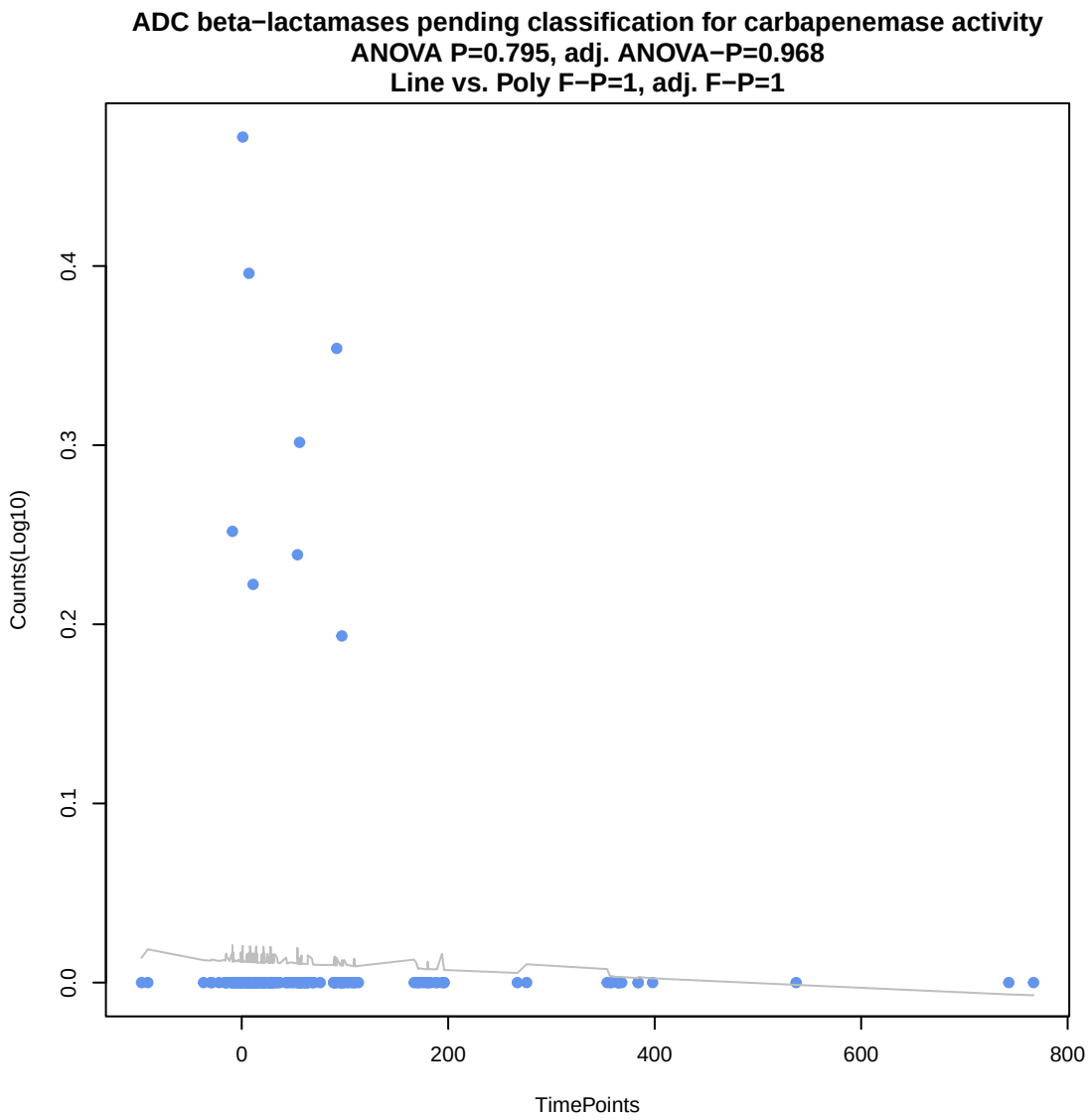

macrolide phosphotransferase (MPH)
ANOVA P=0.751, adj. ANOVA−P=0.968
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

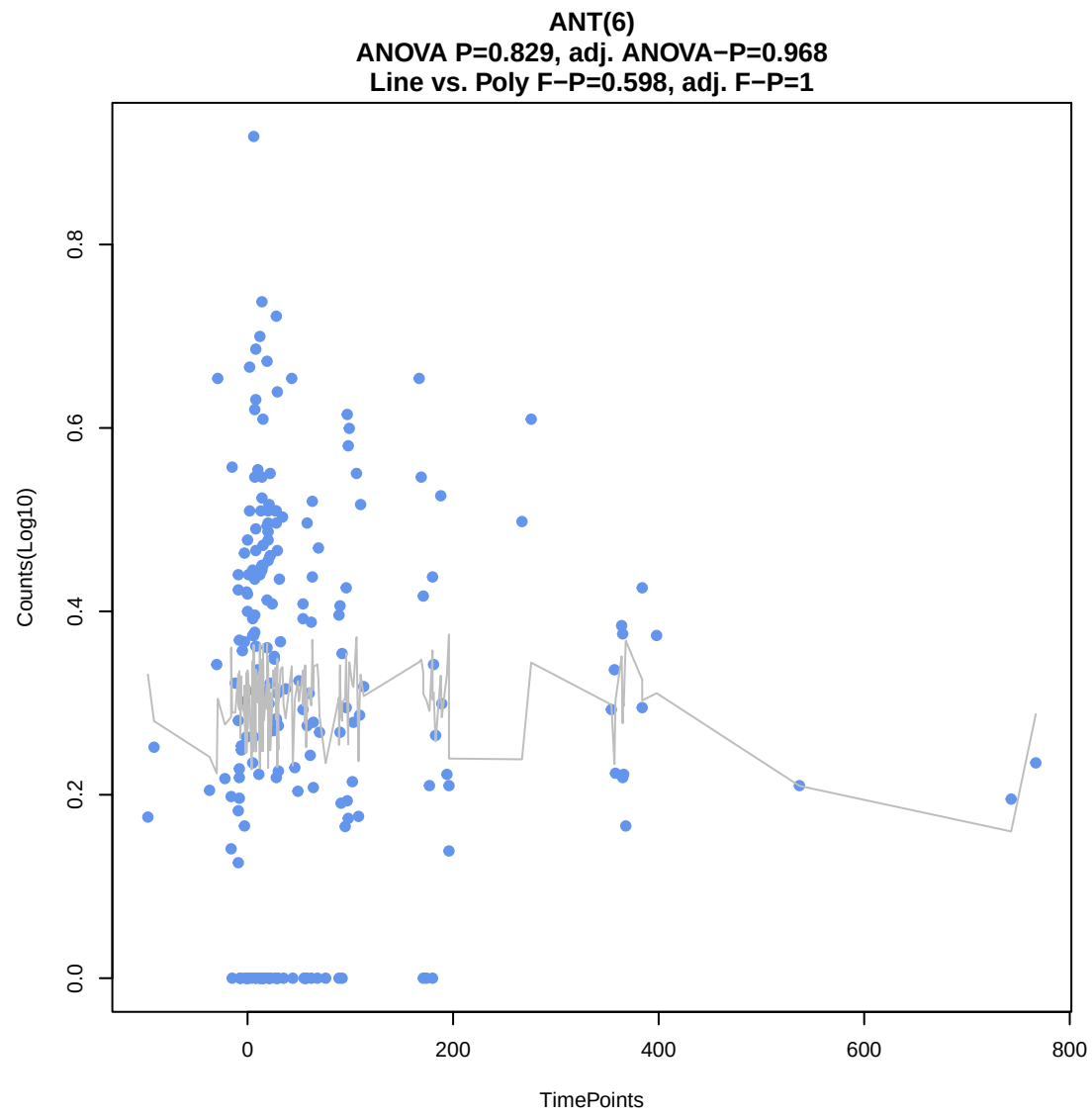

ANT(3")
ANOVA P=0.771, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.47, adj. F−P=1
Counts(Log10)
TimePoints

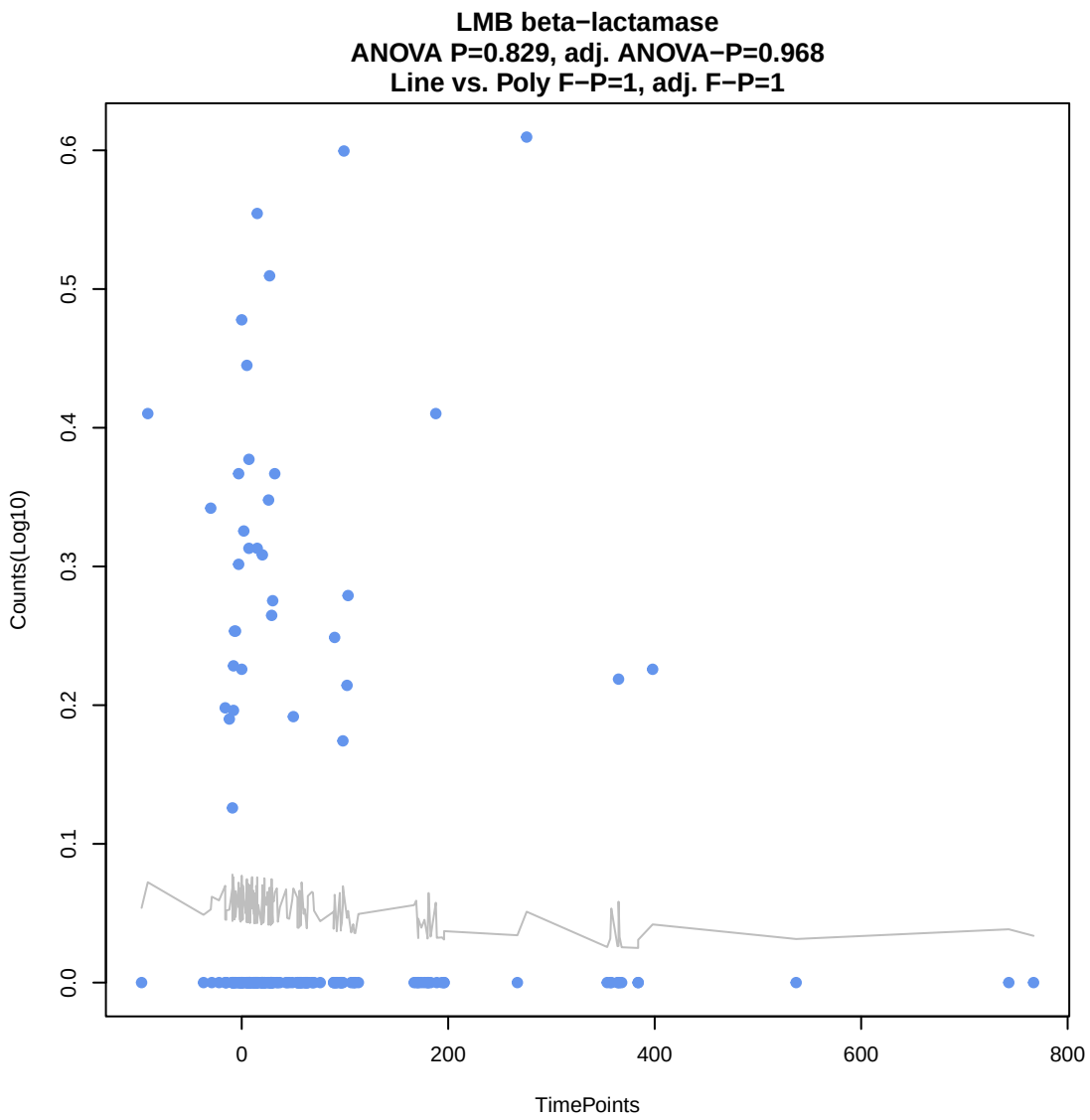

16S rRNA methyltransferase (G1405)
ANOVA P=0.776, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.917, adj. F−P=1
Counts(Log10)
TimePoints

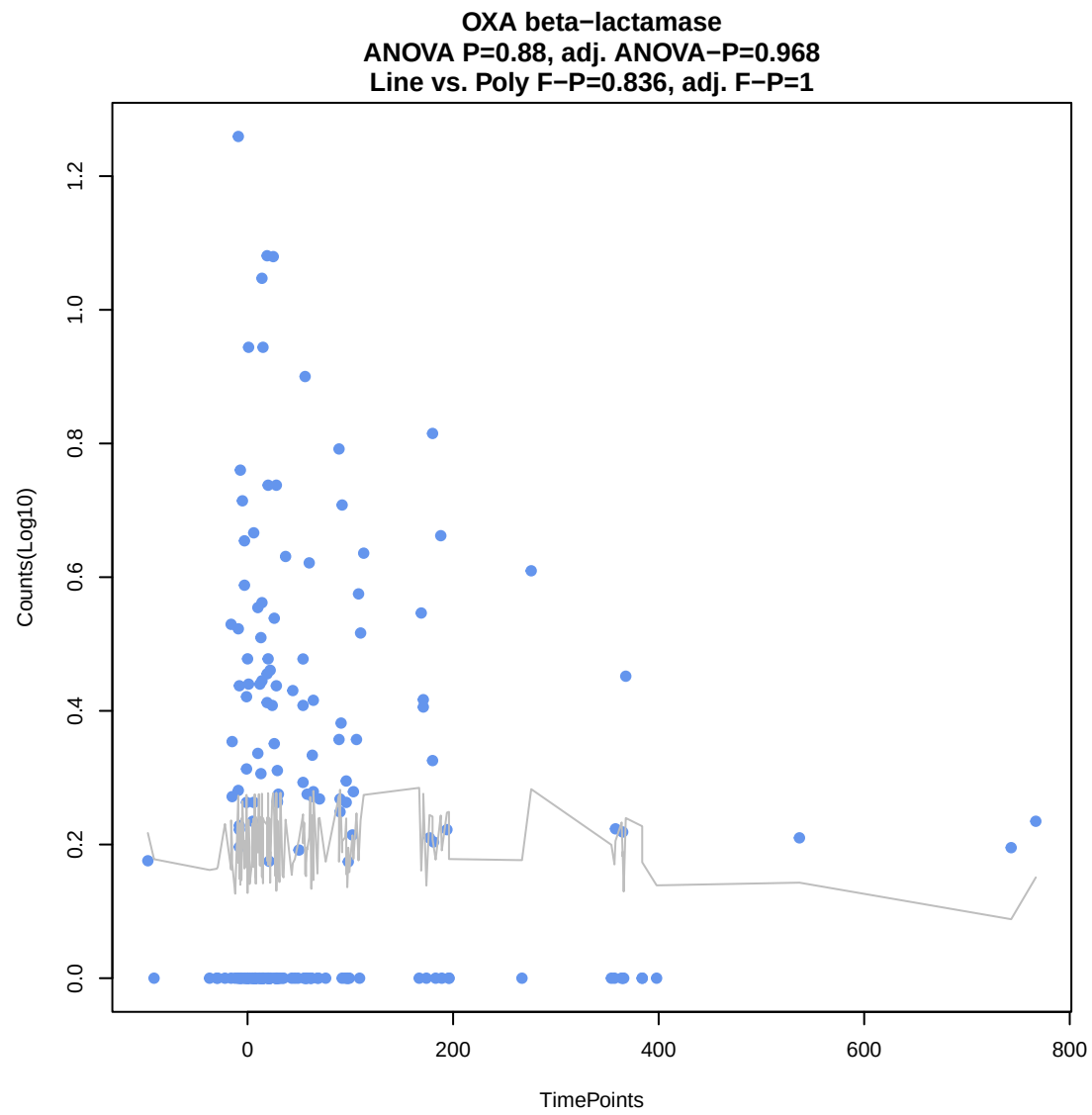

CAM beta−lactamase
ANOVA P=0.779, adj. ANOVA−P=0.968
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

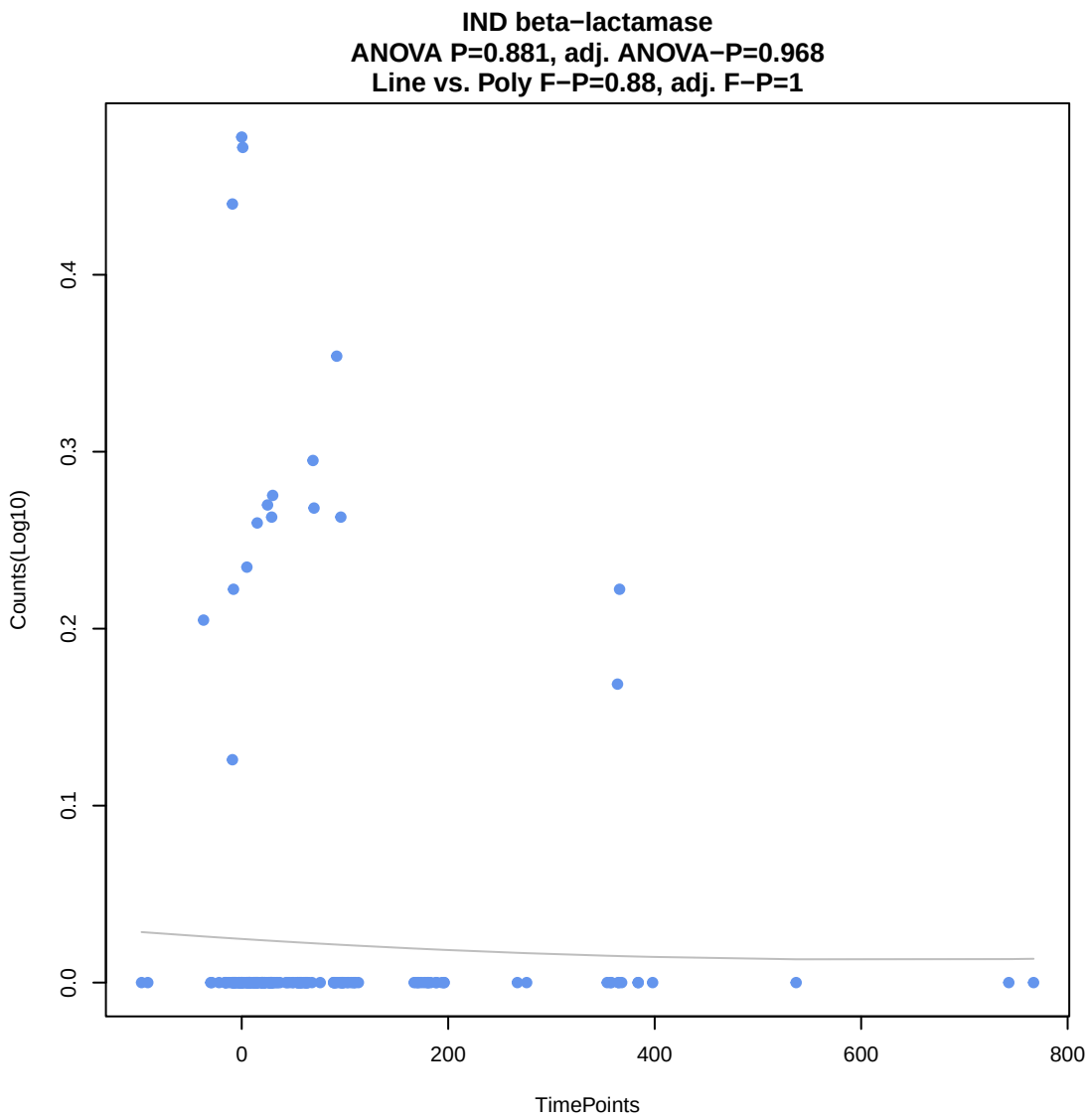

ELM beta−lactamase
ANOVA P=0.784, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.704, adj. F−P=1
Counts(Log10)
TimePoints

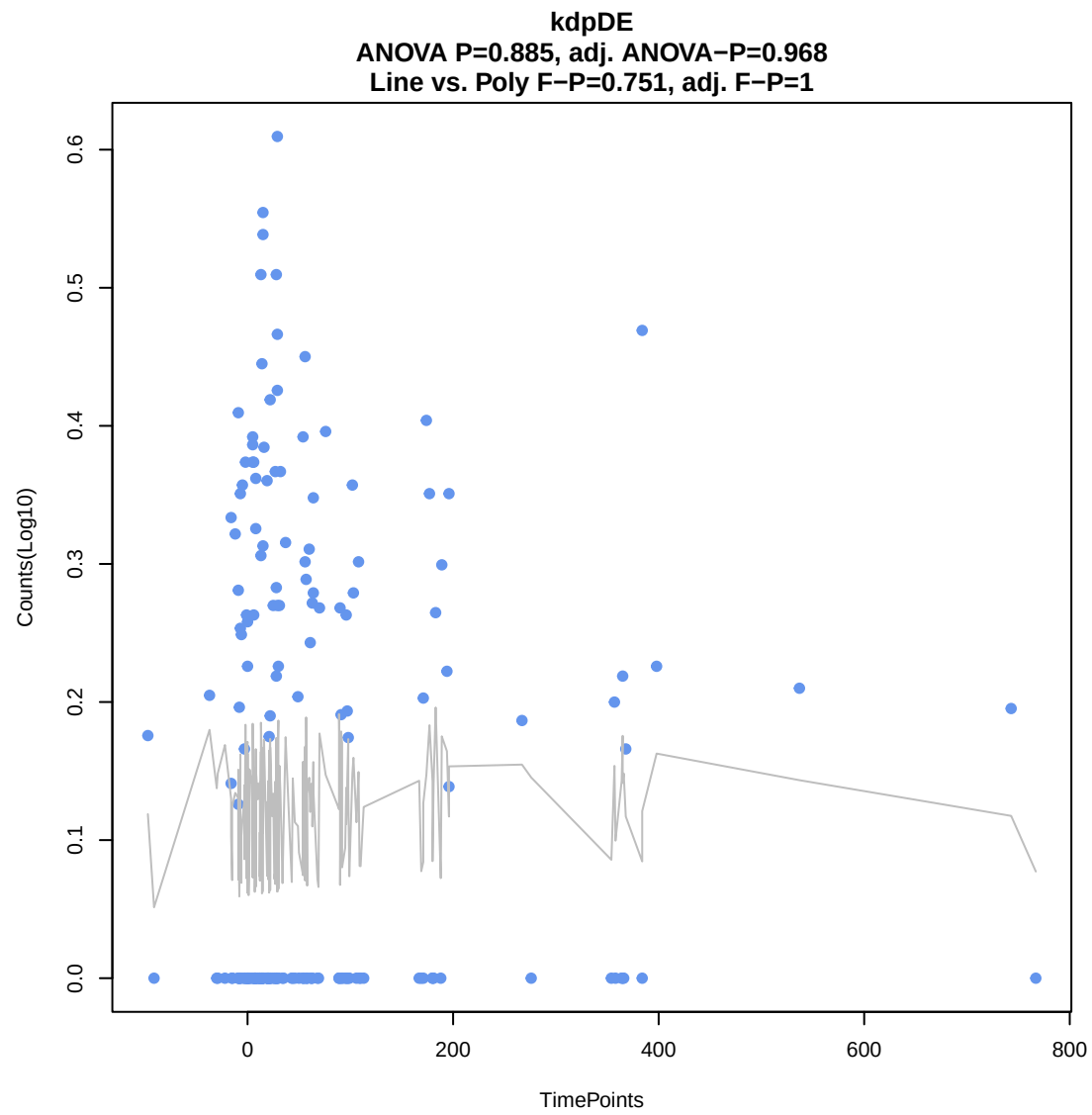

ADC beta−lactamases pending classification for carbapenemase activity
ANOVA P=0.795, adj. ANOVA−P=0.968
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

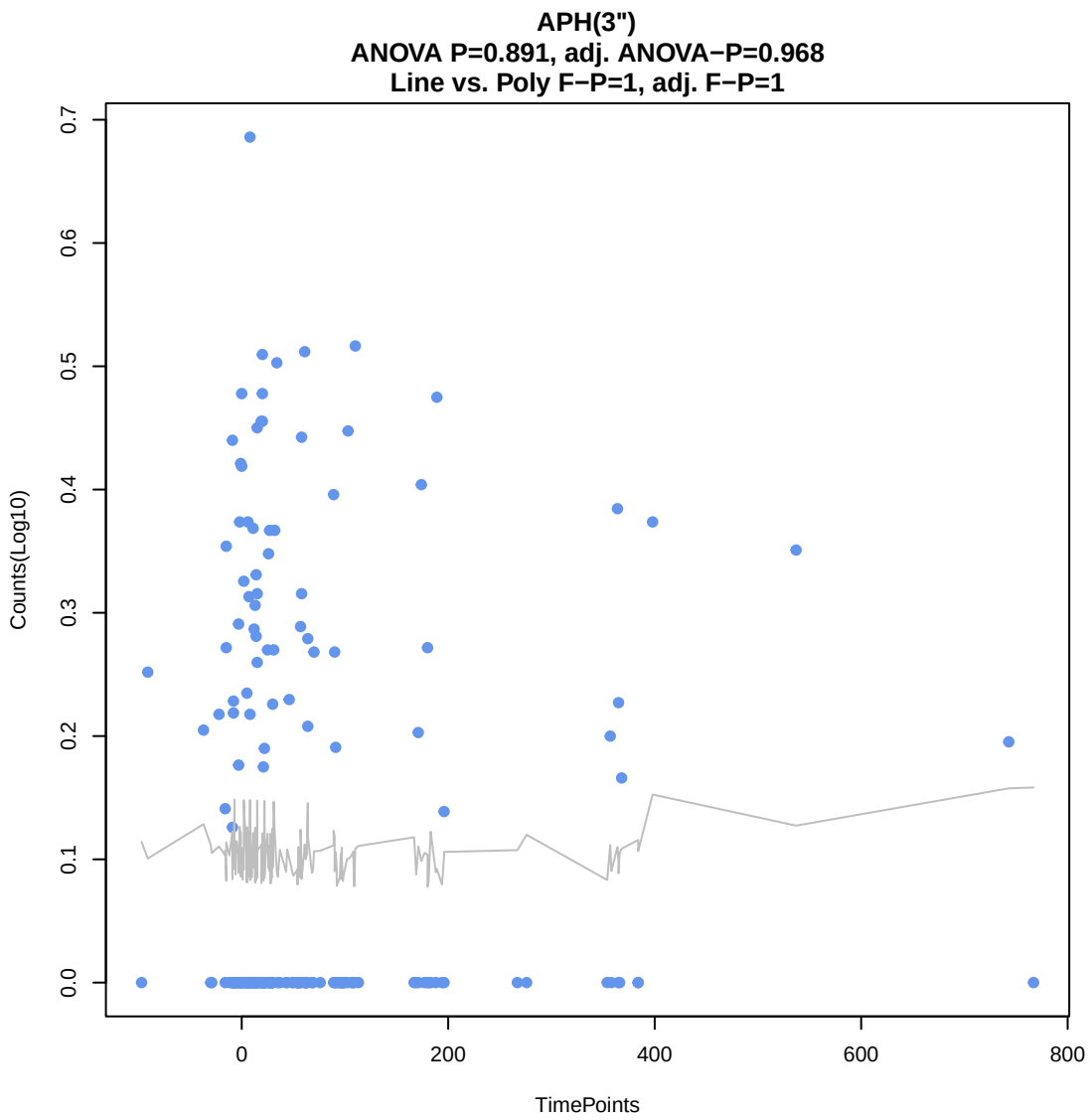

ANT(6)
ANOVA P=0.829, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.598, adj. F−P=1
Counts(Log10)
TimePoints

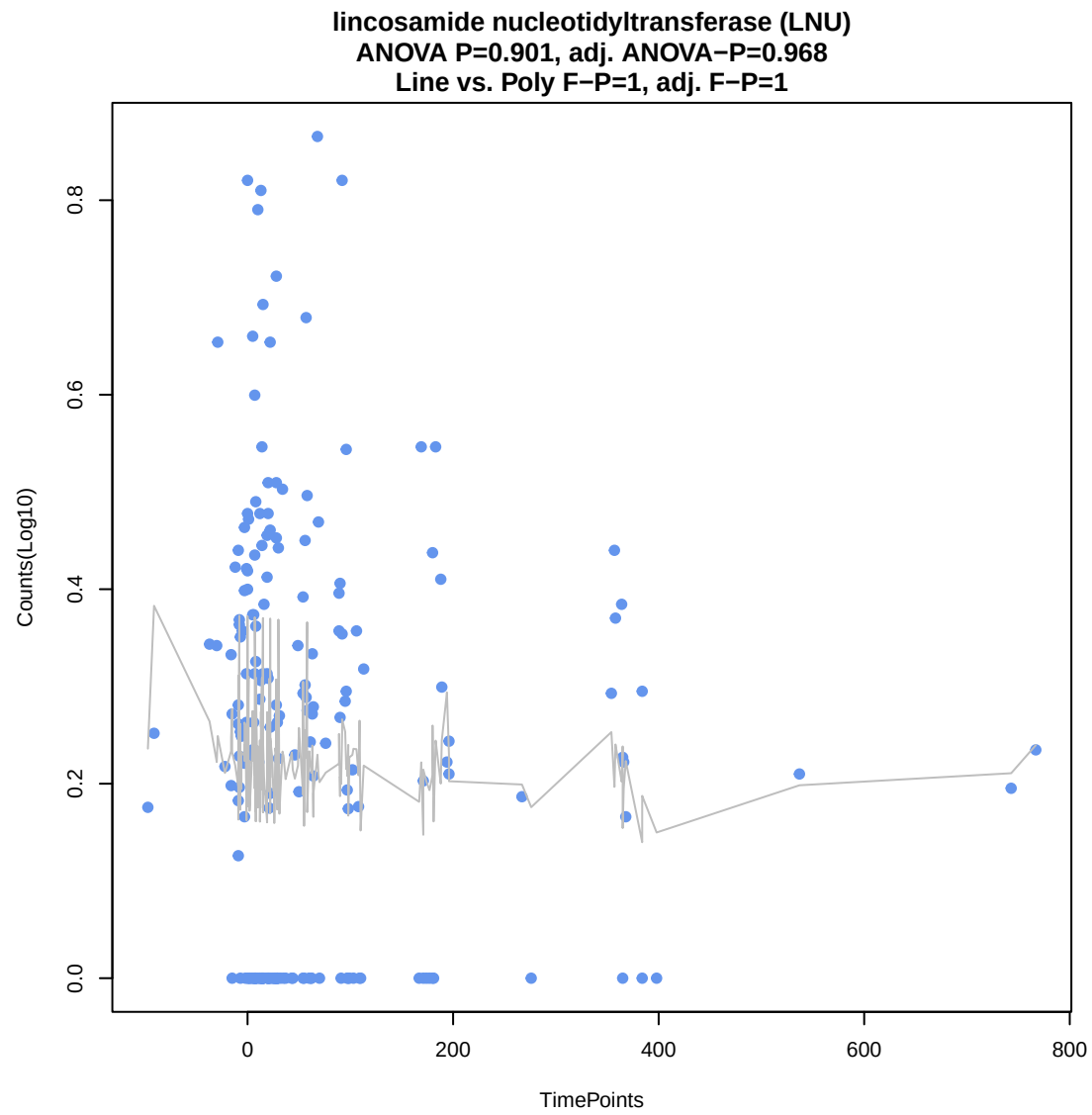

LMB beta−lactamase
ANOVA P=0.829, adj. ANOVA−P=0.968
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

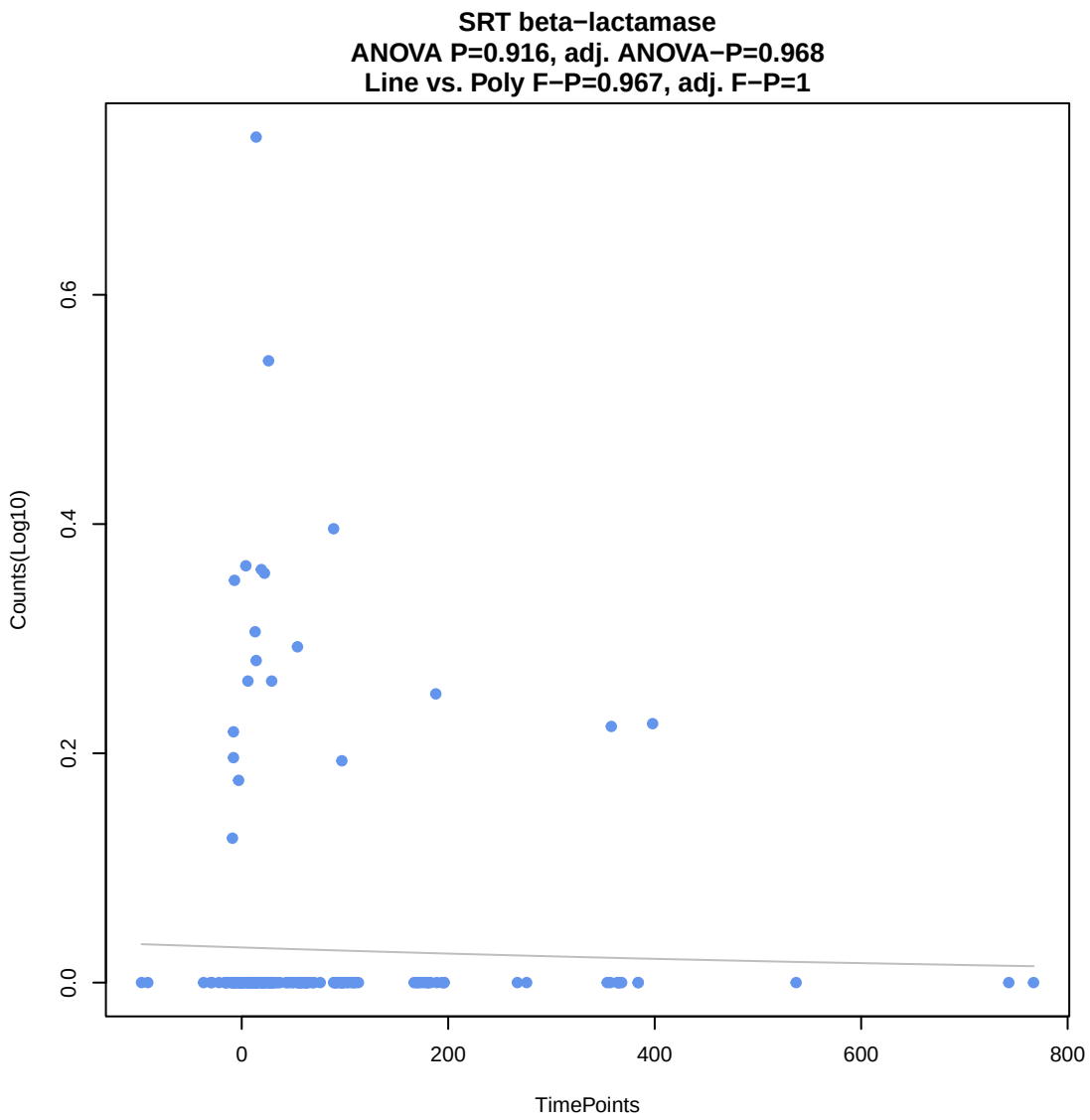

OXA beta−lactamase
ANOVA P=0.88, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.836, adj. F−P=1
Counts(Log10)
TimePoints

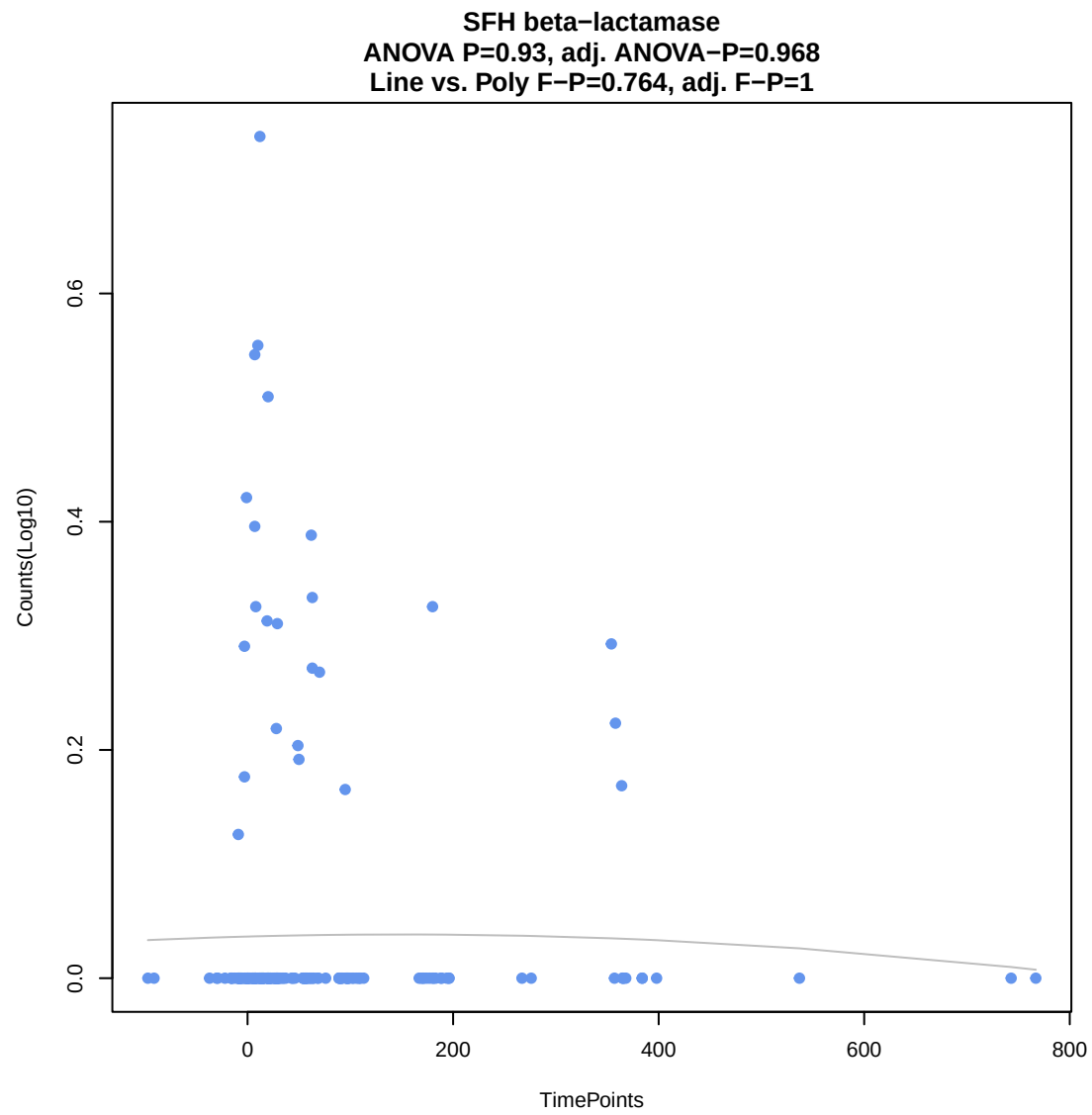

IND beta−lactamase
ANOVA P=0.881, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.88, adj. F−P=1
Counts(Log10)
TimePoints

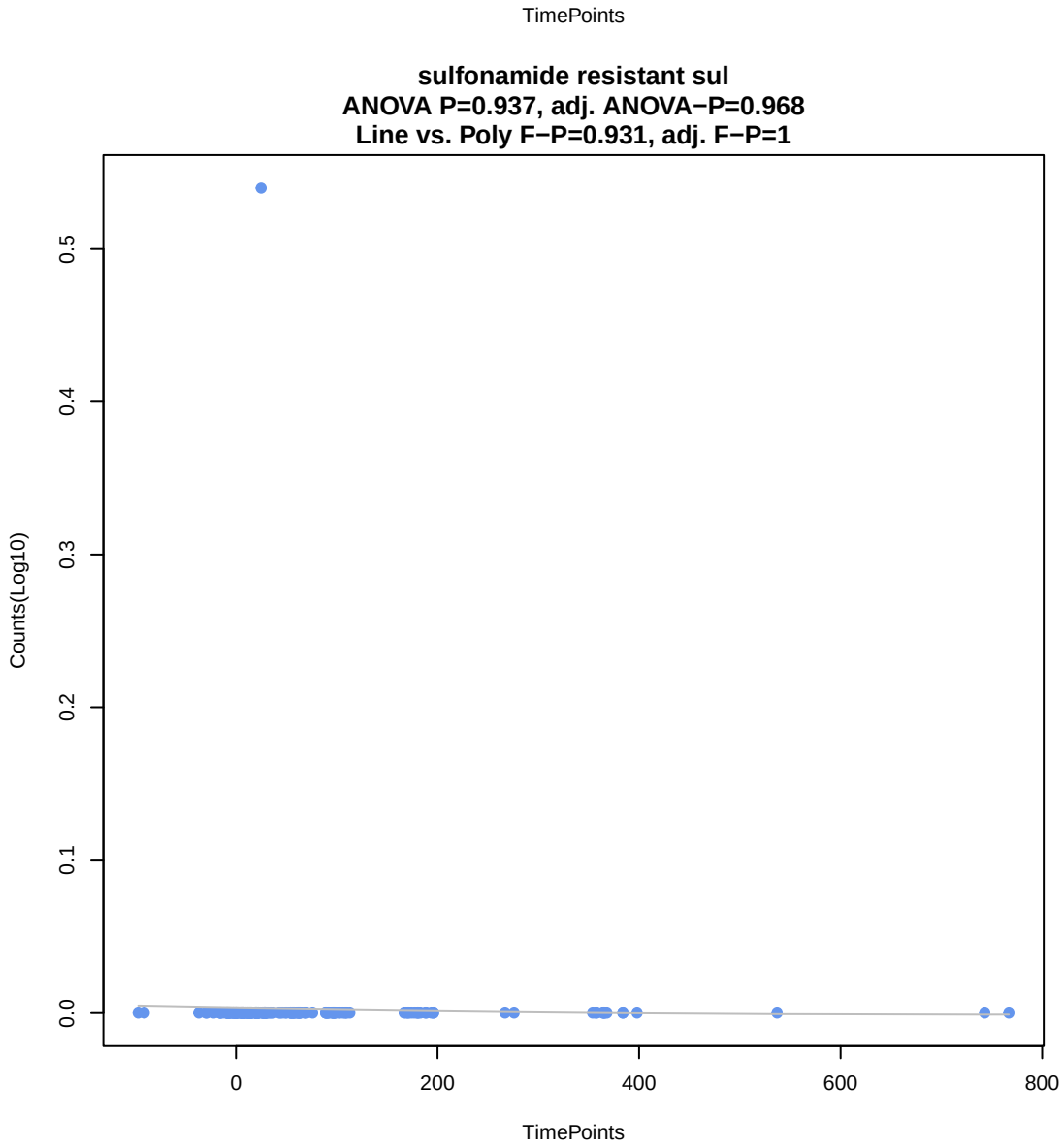

kdpDE
ANOVA P=0.885, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.751, adj. F−P=1
Counts(Log10)
TimePoints

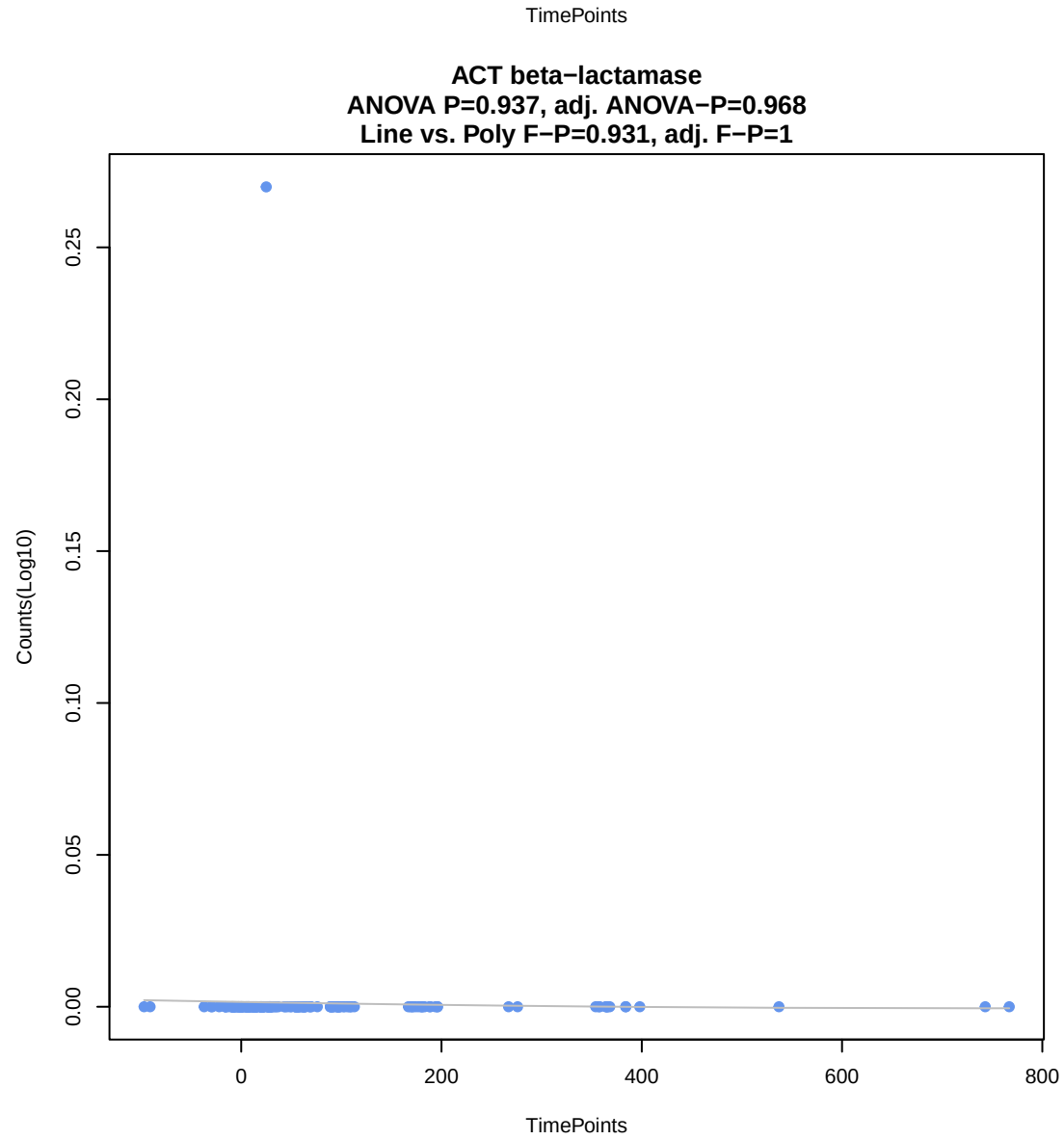

APH(3")
ANOVA P=0.891, adj. ANOVA−P=0.968
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

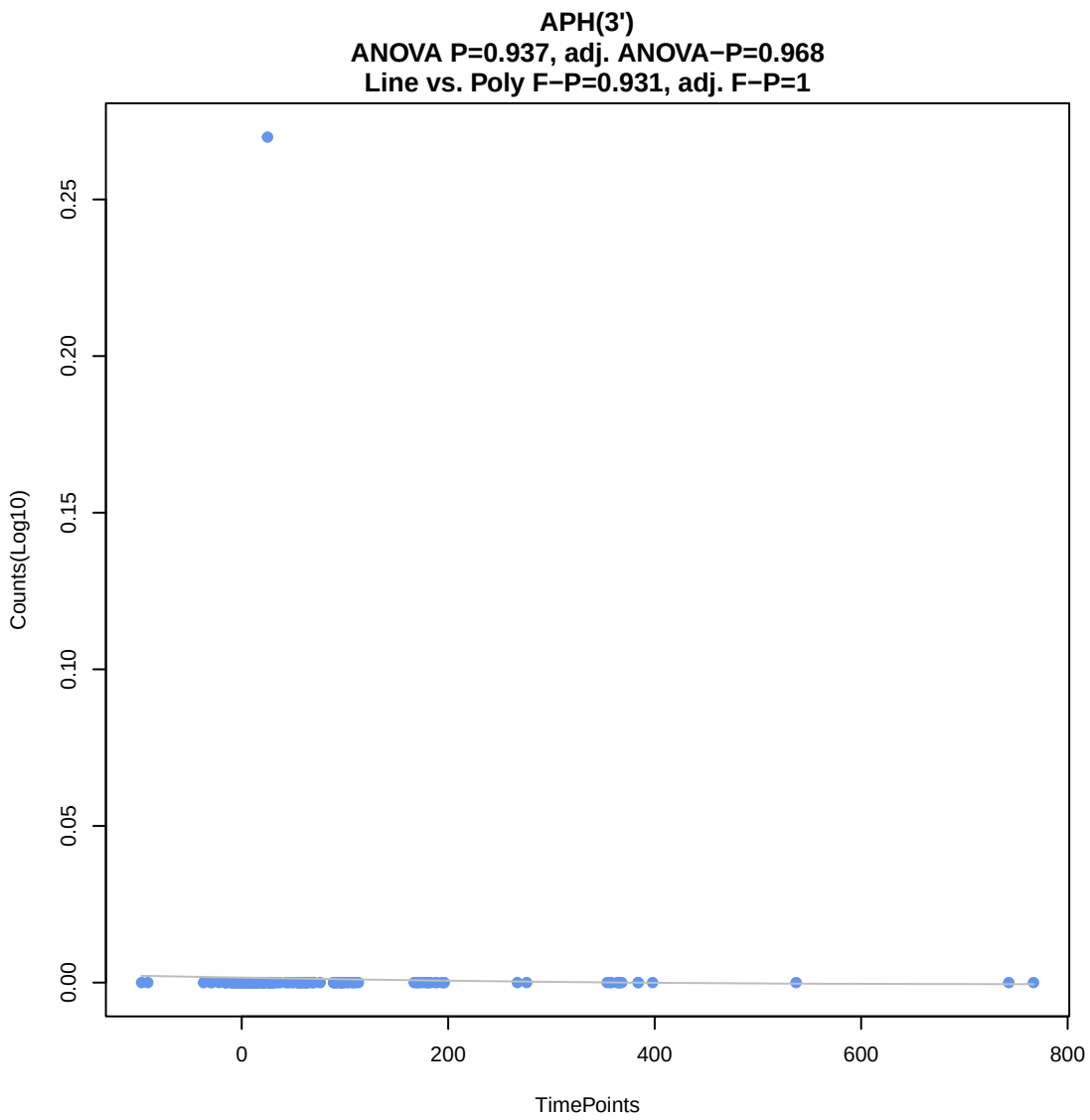

lincosamide nucleotidyltransferase (LNU)
ANOVA P=0.901, adj. ANOVA−P=0.968
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

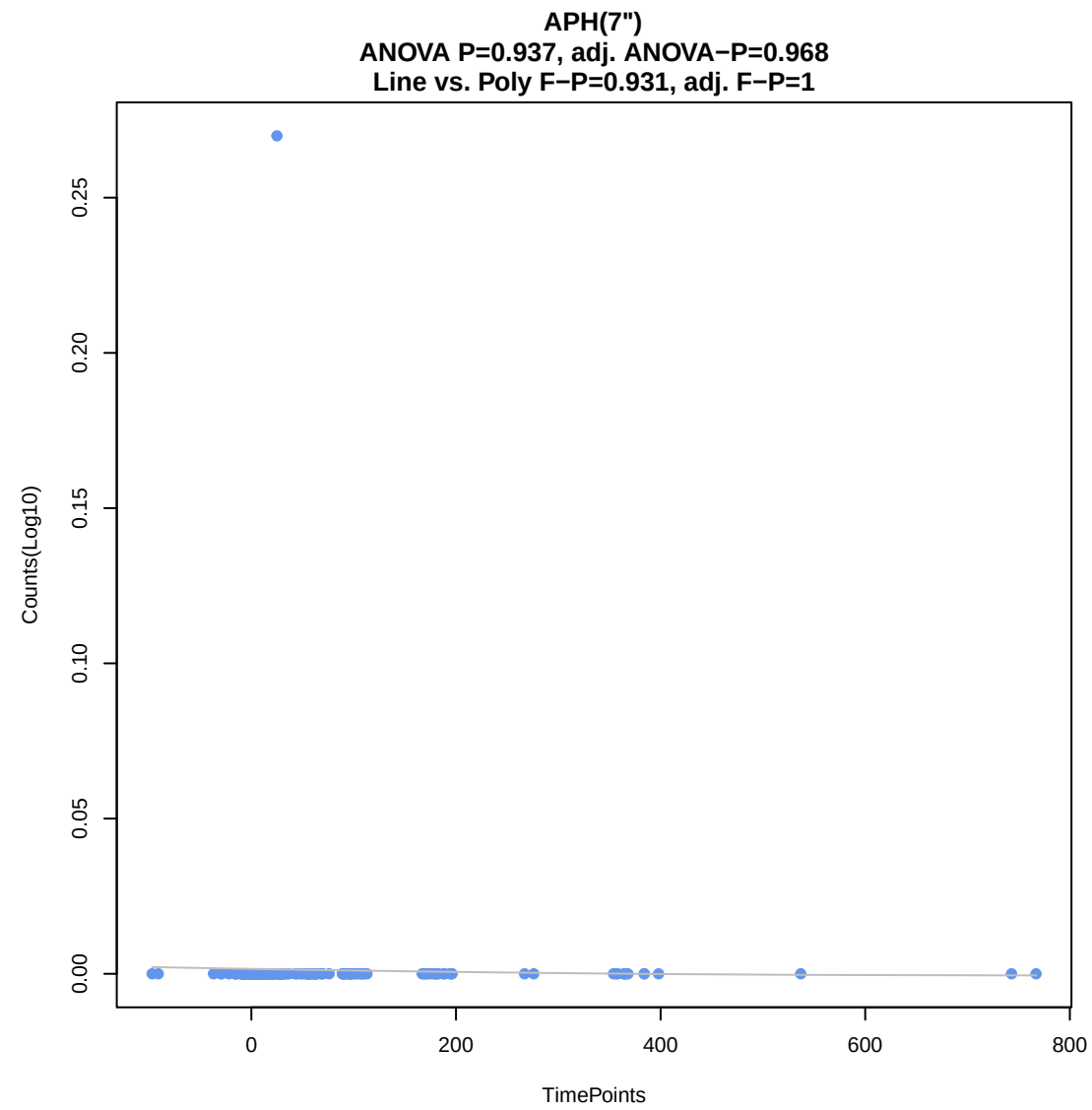

SRT beta−lactamase
ANOVA P=0.916, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.967, adj. F−P=1
Counts(Log10)
TimePoints

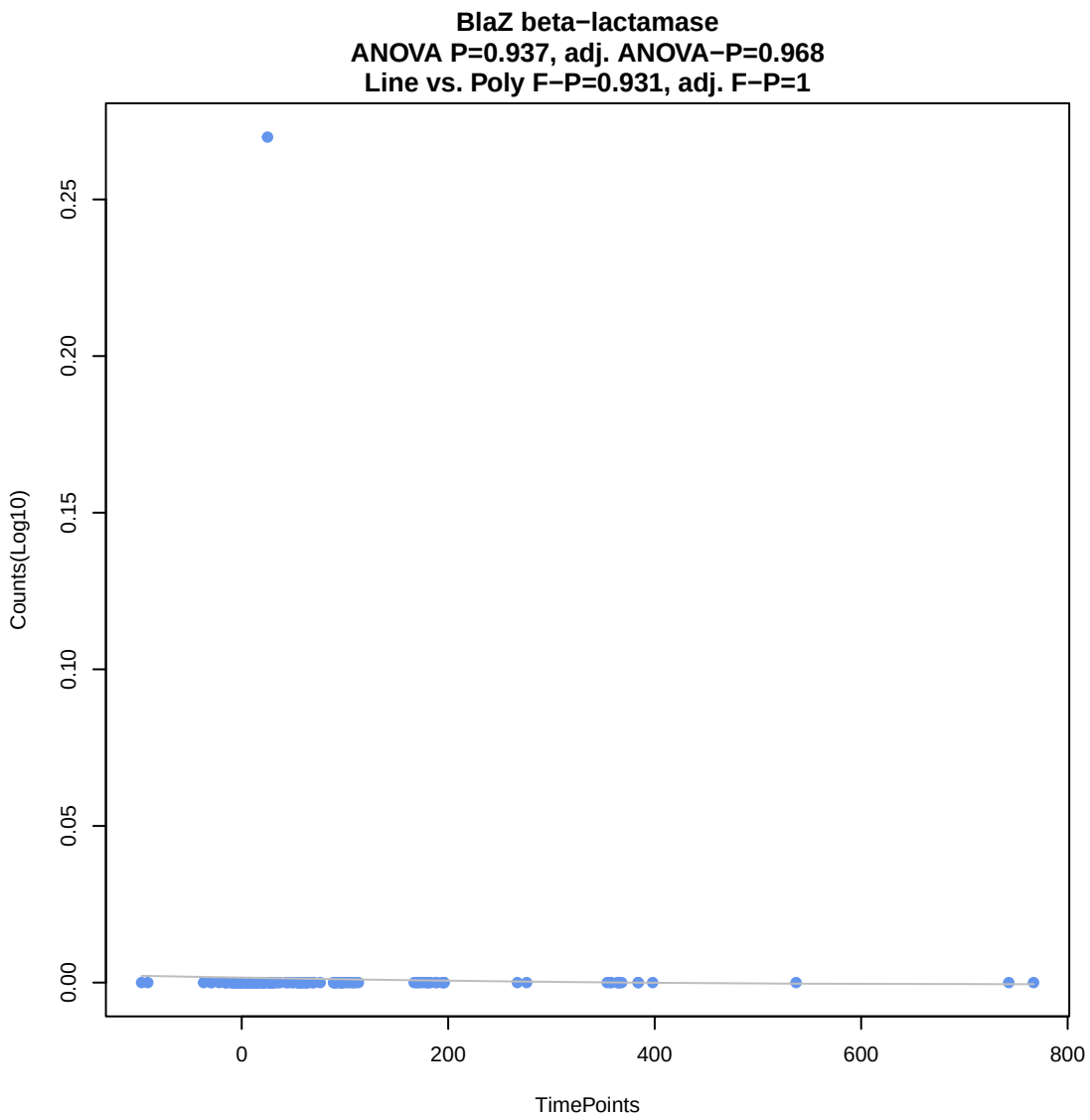

SFH beta−lactamase
ANOVA P=0.93, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.764, adj. F−P=1
Counts(Log10)
TimePoints

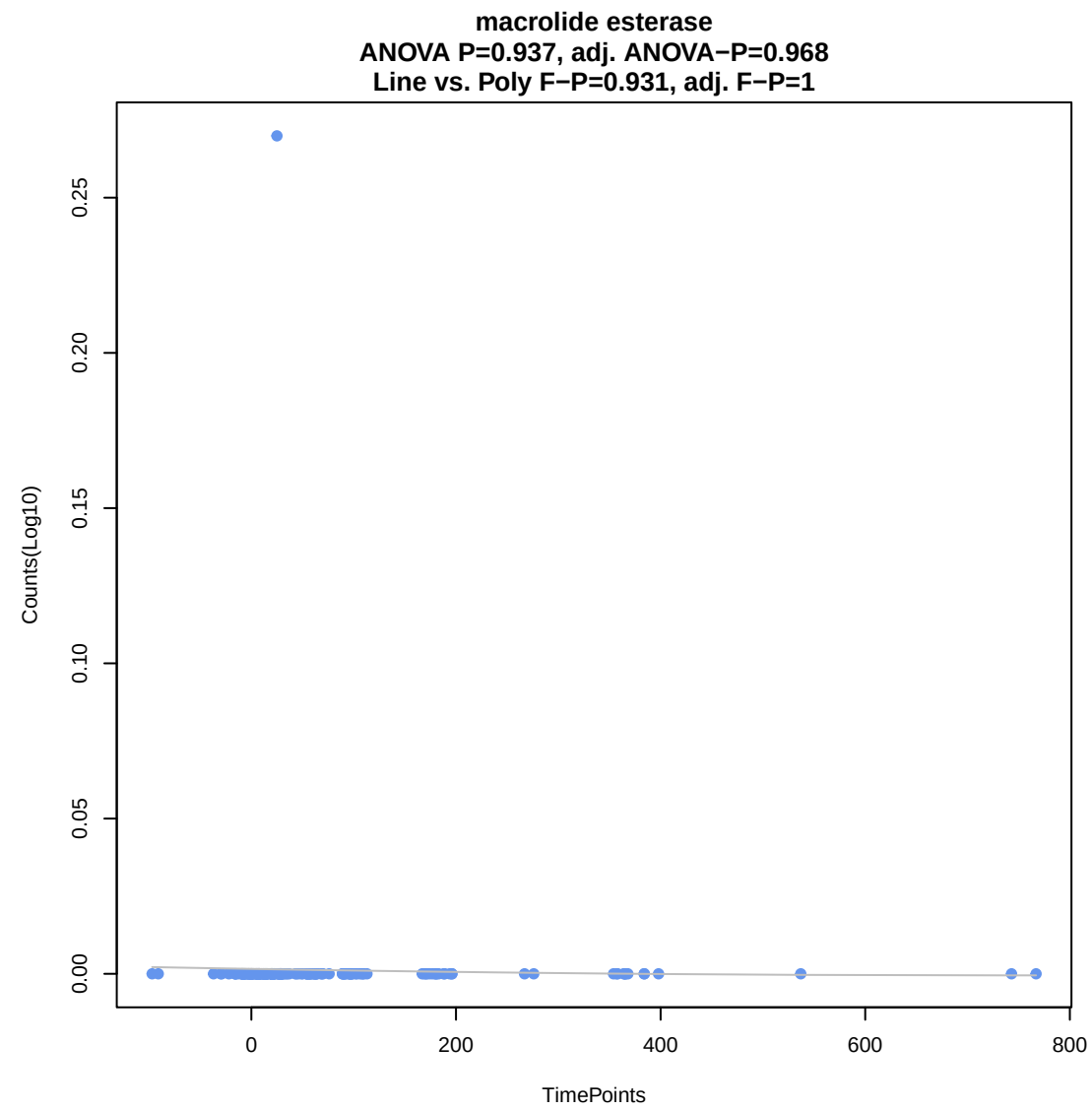

sulfonamide resistant sul
ANOVA P=0.937, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.931, adj. F−P=1
Counts(Log10)
TimePoints

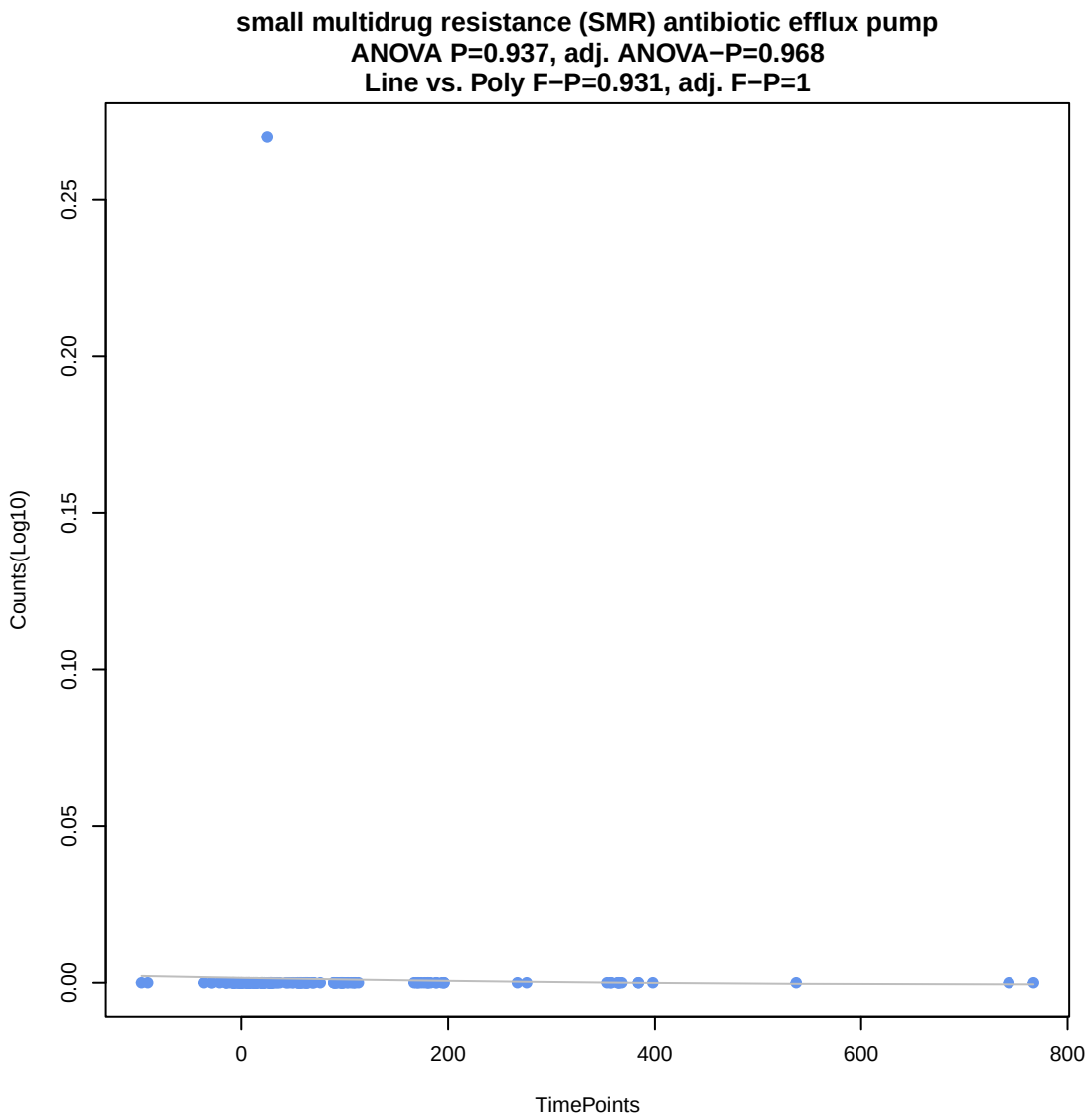

ACT beta−lactamase
ANOVA P=0.937, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.931, adj. F−P=1
Counts(Log10)
TimePoints

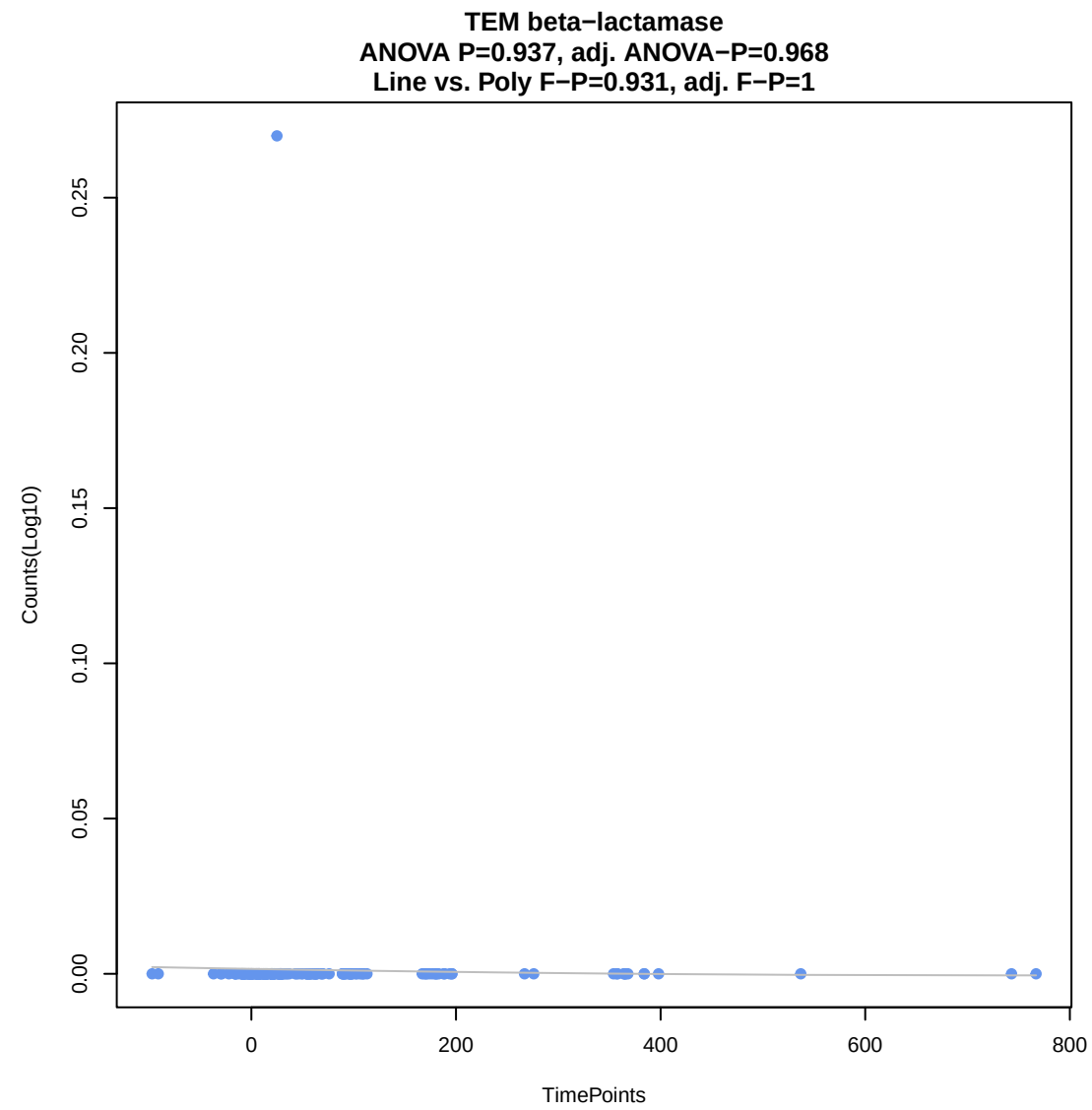

APH(3')
ANOVA P=0.937, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.931, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints

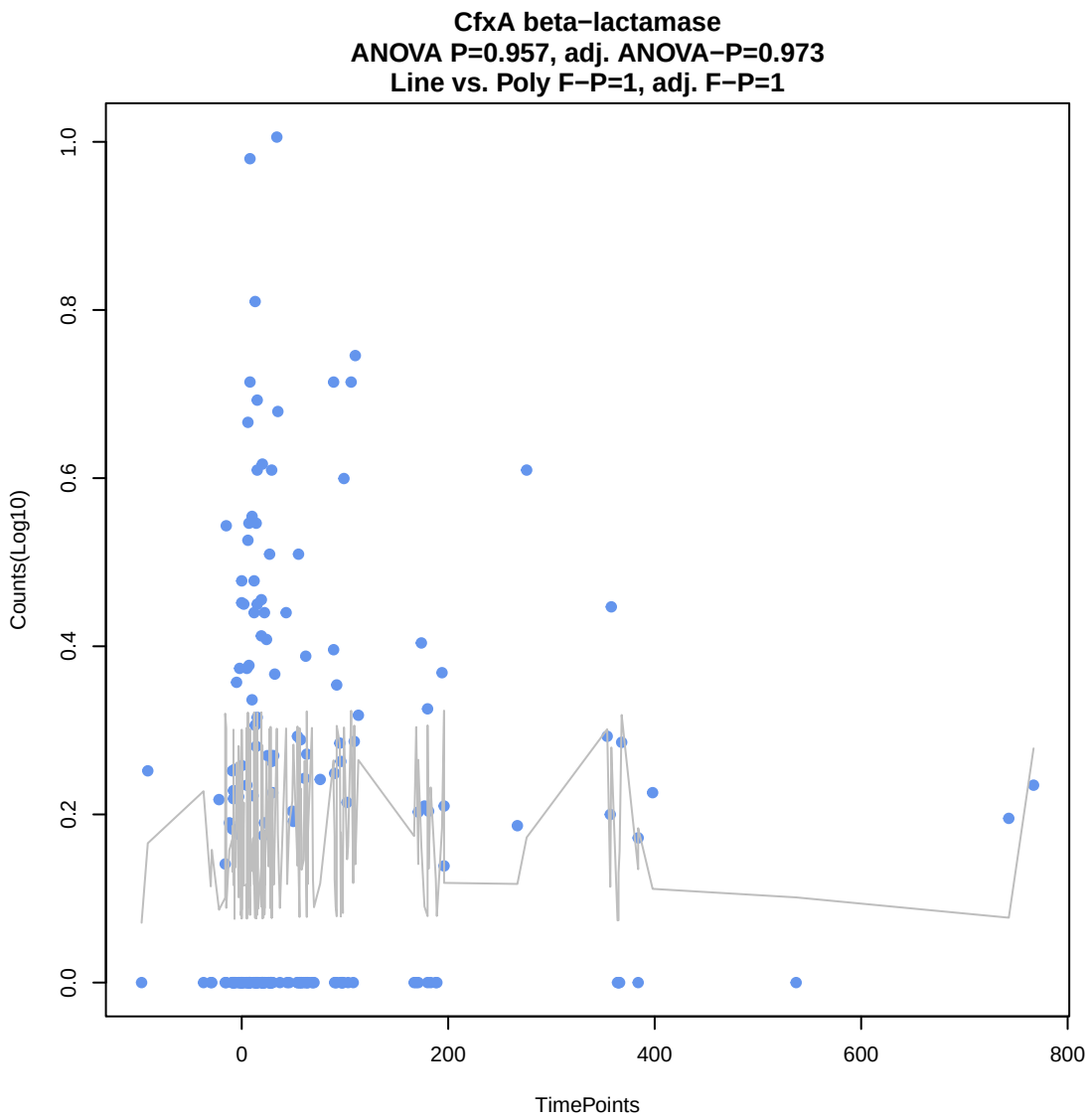

APH(7")
ANOVA P=0.937, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.931, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints

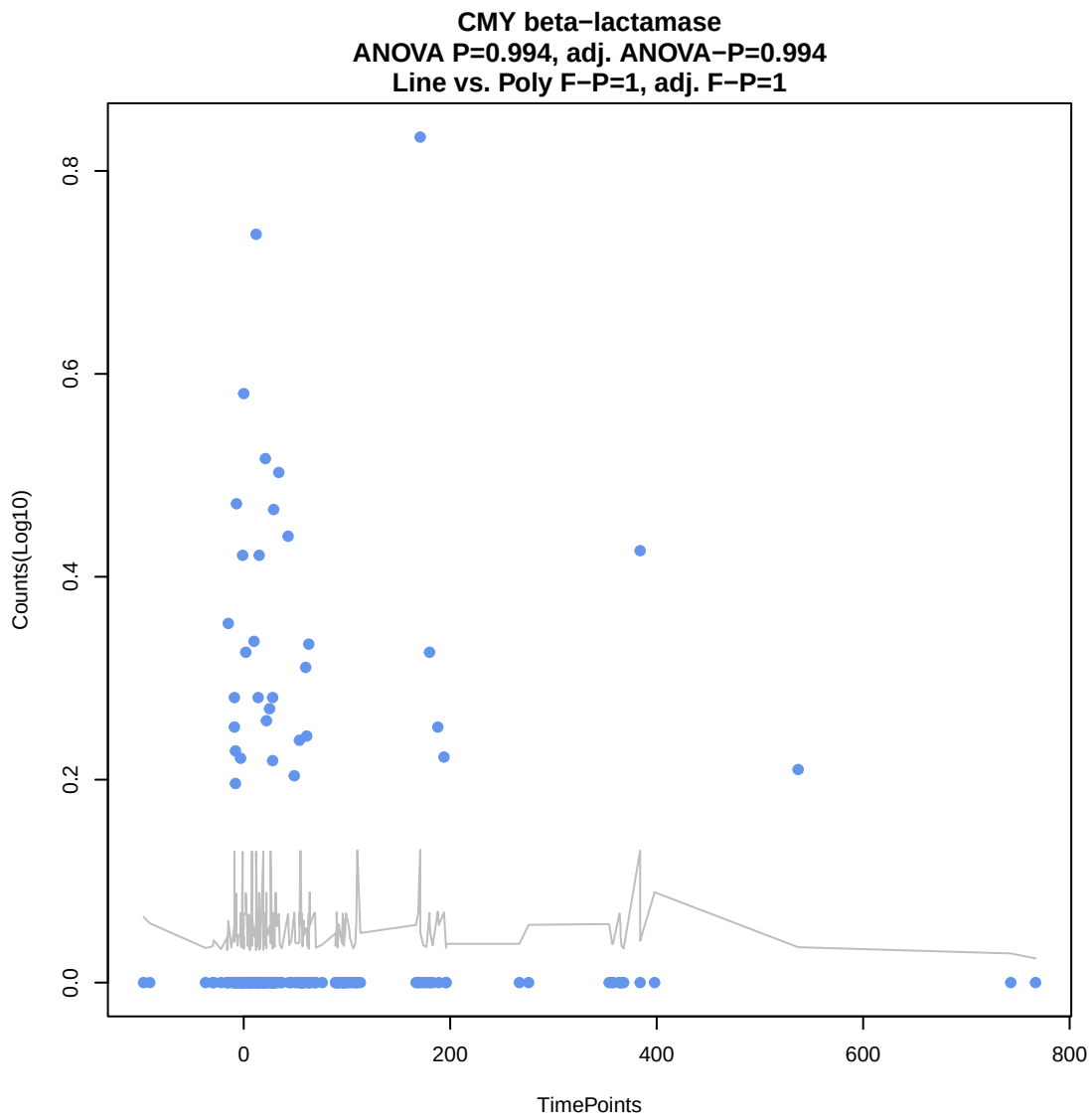

BlaZ beta−lactamase
ANOVA P=0.937, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.931, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints


macrolide esterase
ANOVA P=0.937, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.931, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints


small multidrug resistance (SMR) antibiotic efflux pump
ANOVA P=0.937, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.931, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints


TEM beta−lactamase
ANOVA P=0.937, adj. ANOVA−P=0.968
Line vs. Poly F−P=0.931, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints


CfxA beta−lactamase
ANOVA P=0.957, adj. ANOVA−P=0.973
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
1.0
0
200
400
600
800
TimePoints


CMY beta−lactamase
ANOVA P=0.994, adj. ANOVA−P=0.994
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
0
200
400
600
800
TimePoints