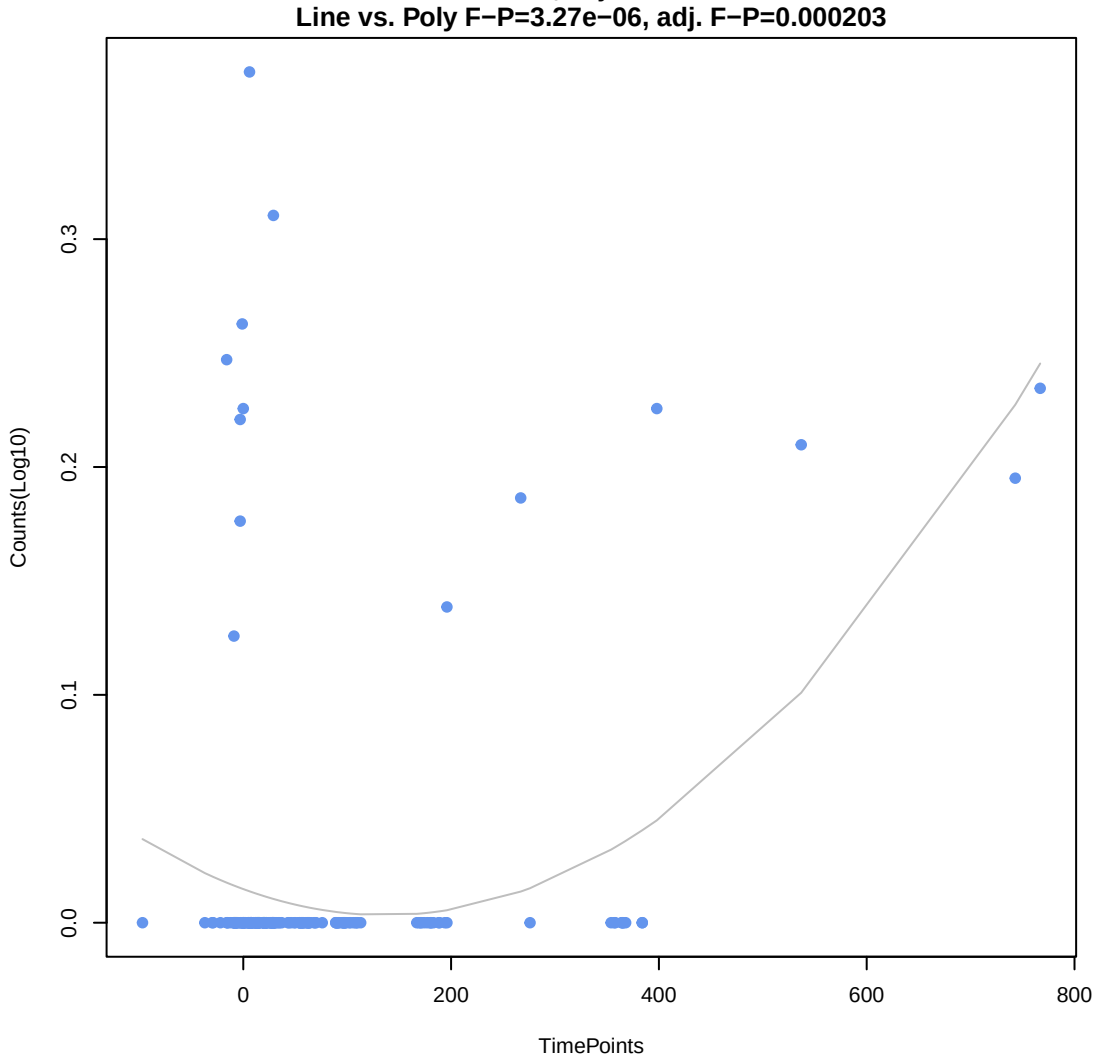
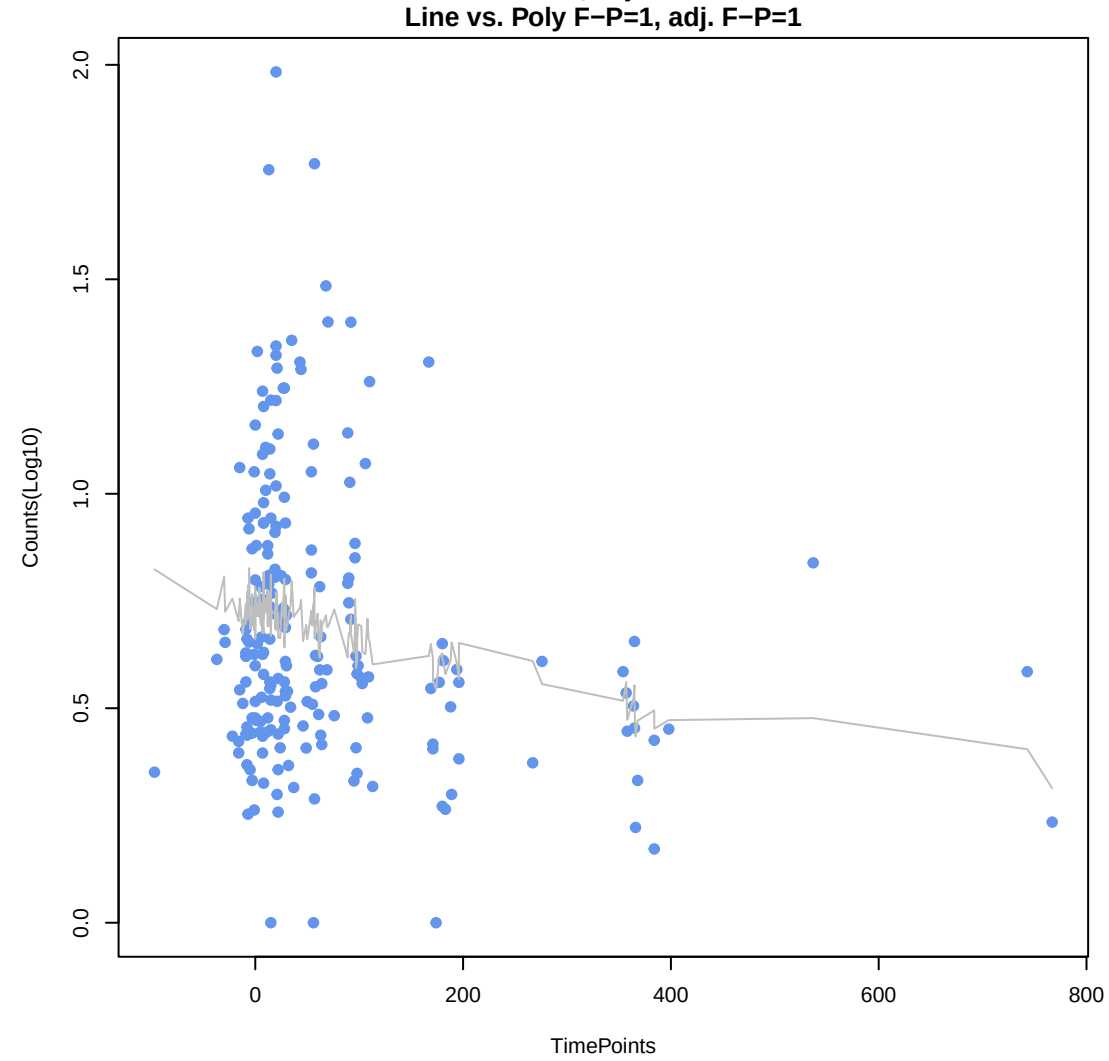
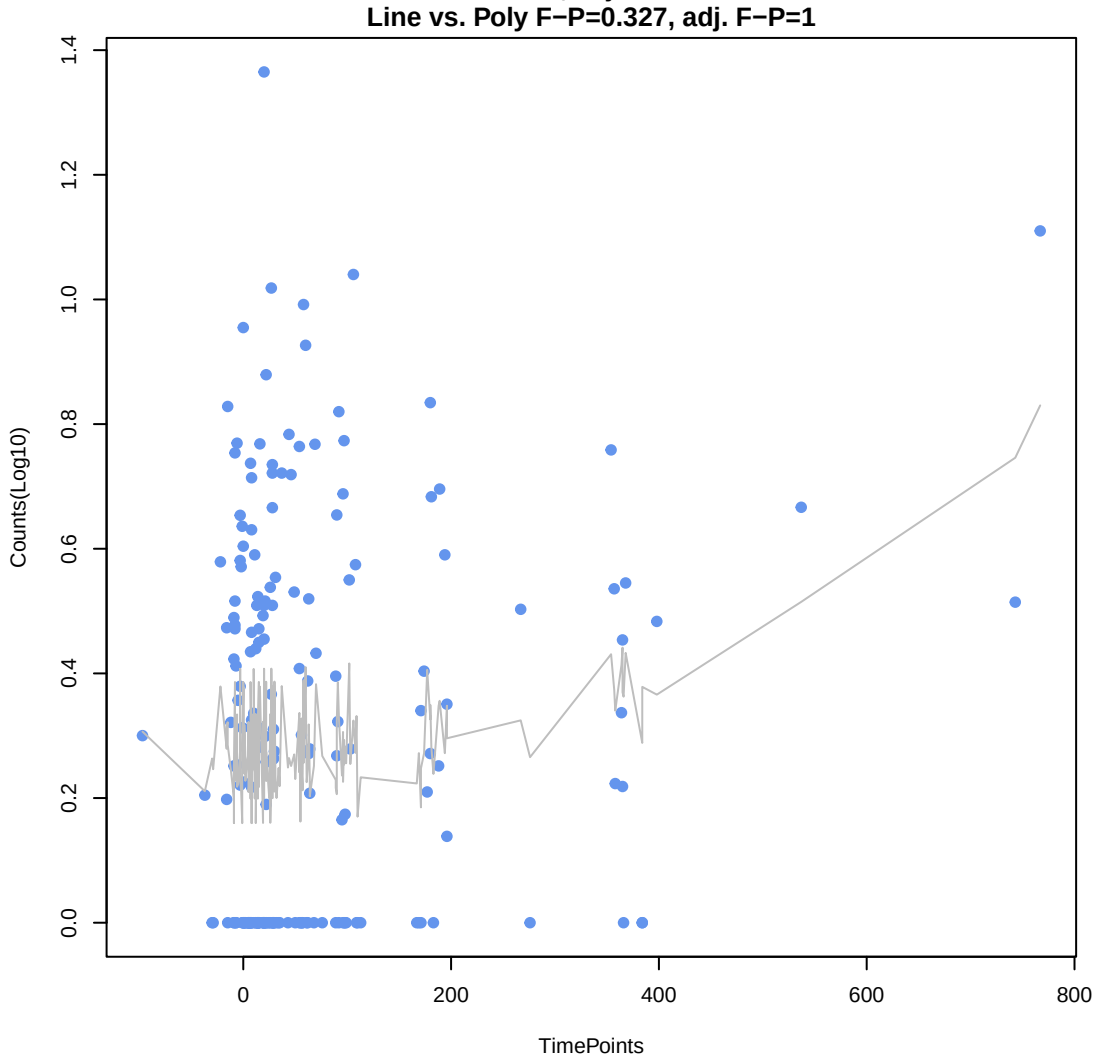
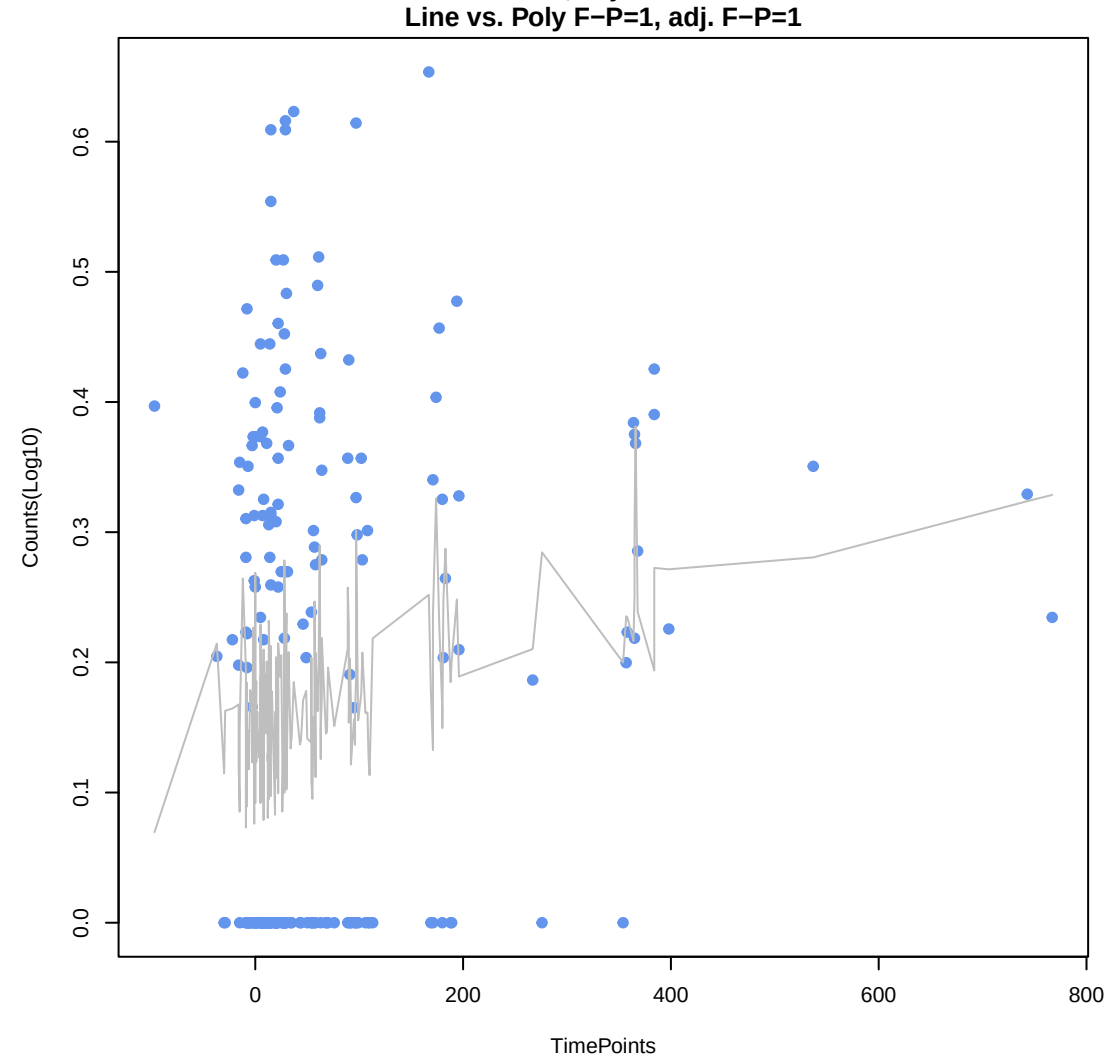
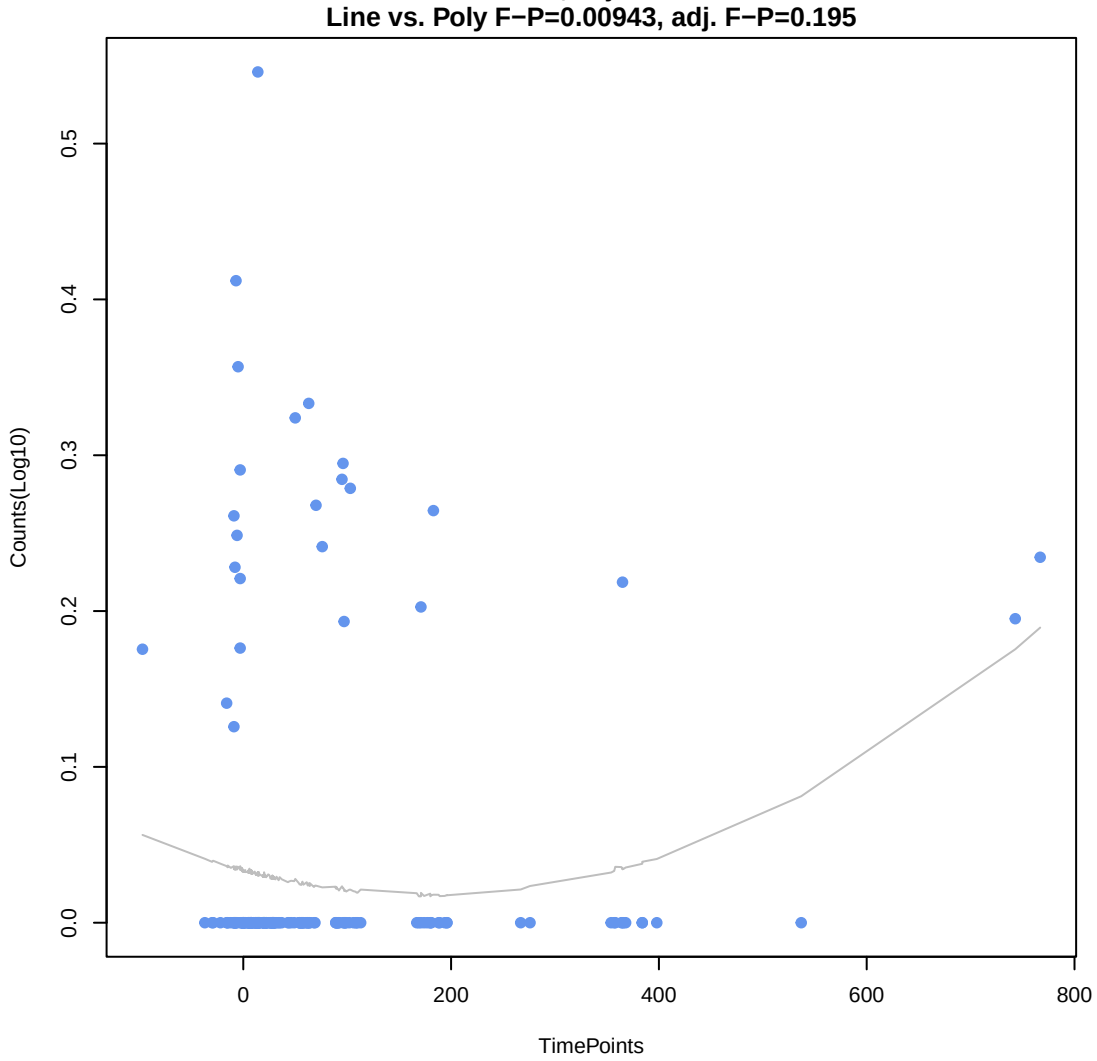
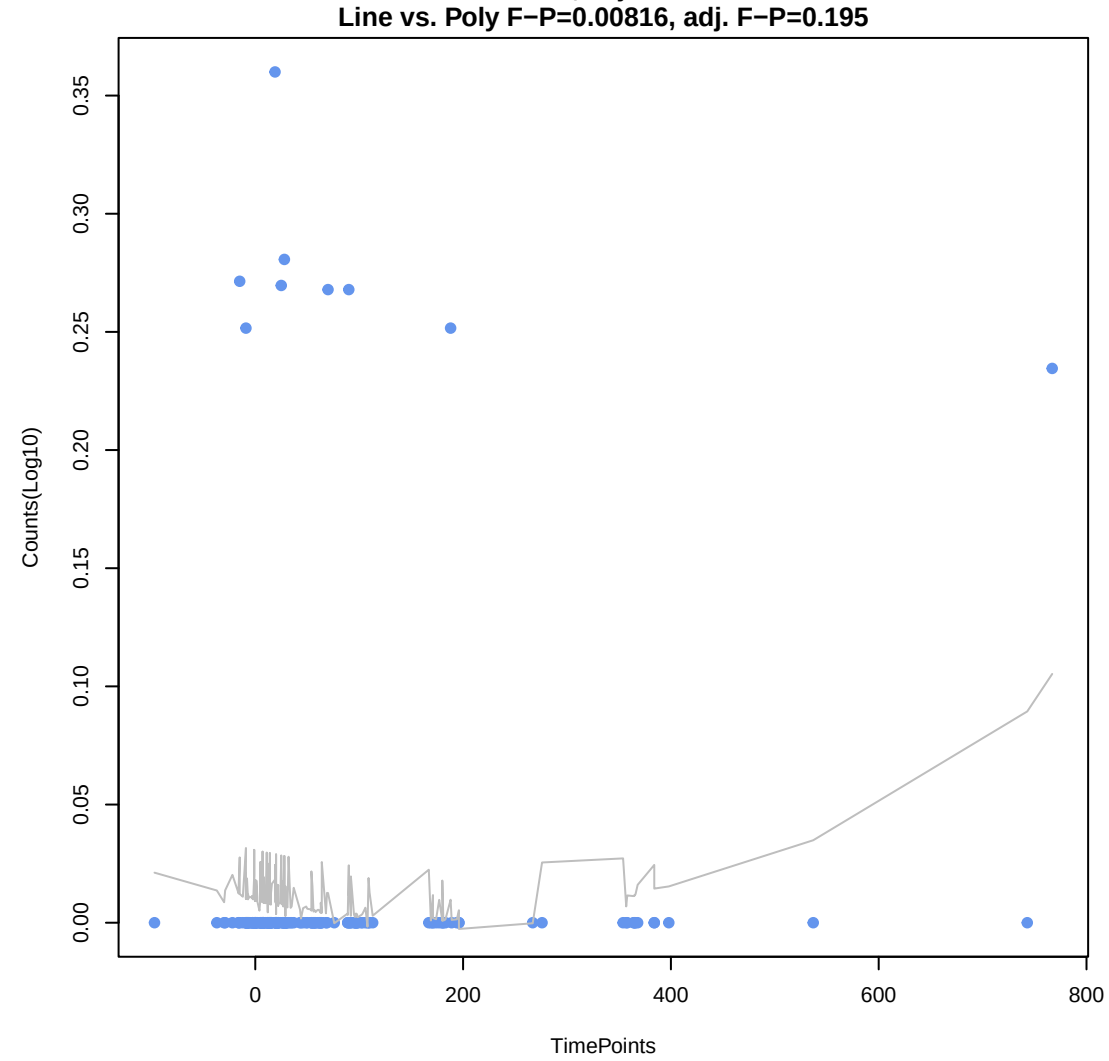

subclass B3 LRA beta−lactamase
ANOVA P=7.28e−09, adj. ANOVA−P=4.51e−07
Line vs. Poly F−P=3.27e−06, adj. F−P=0.000203
Counts(Log10)
TimePoints

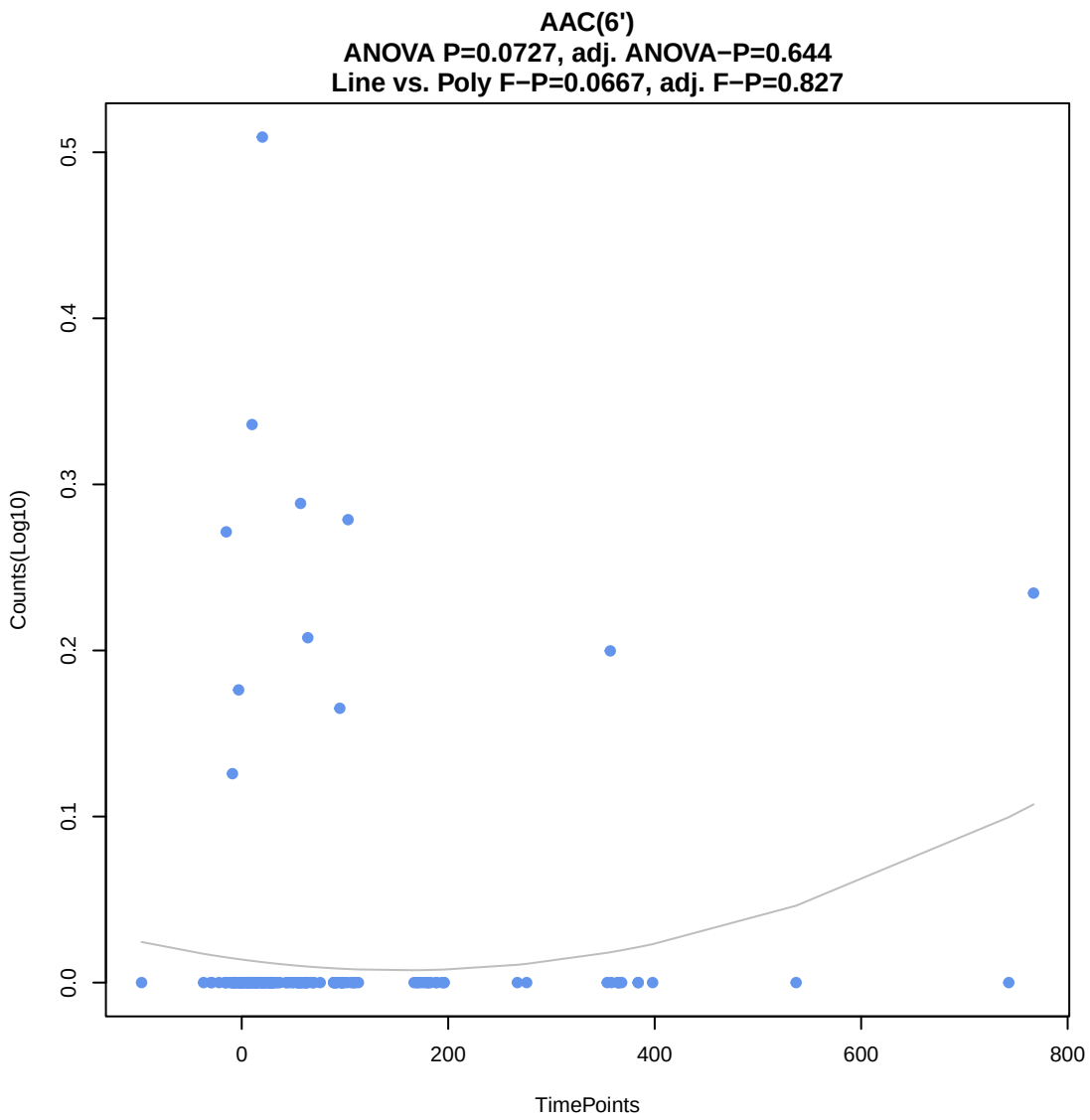

Erm 23S ribosomal RNA methyltransferase
ANOVA P=0.00756, adj. ANOVA−P=0.234
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

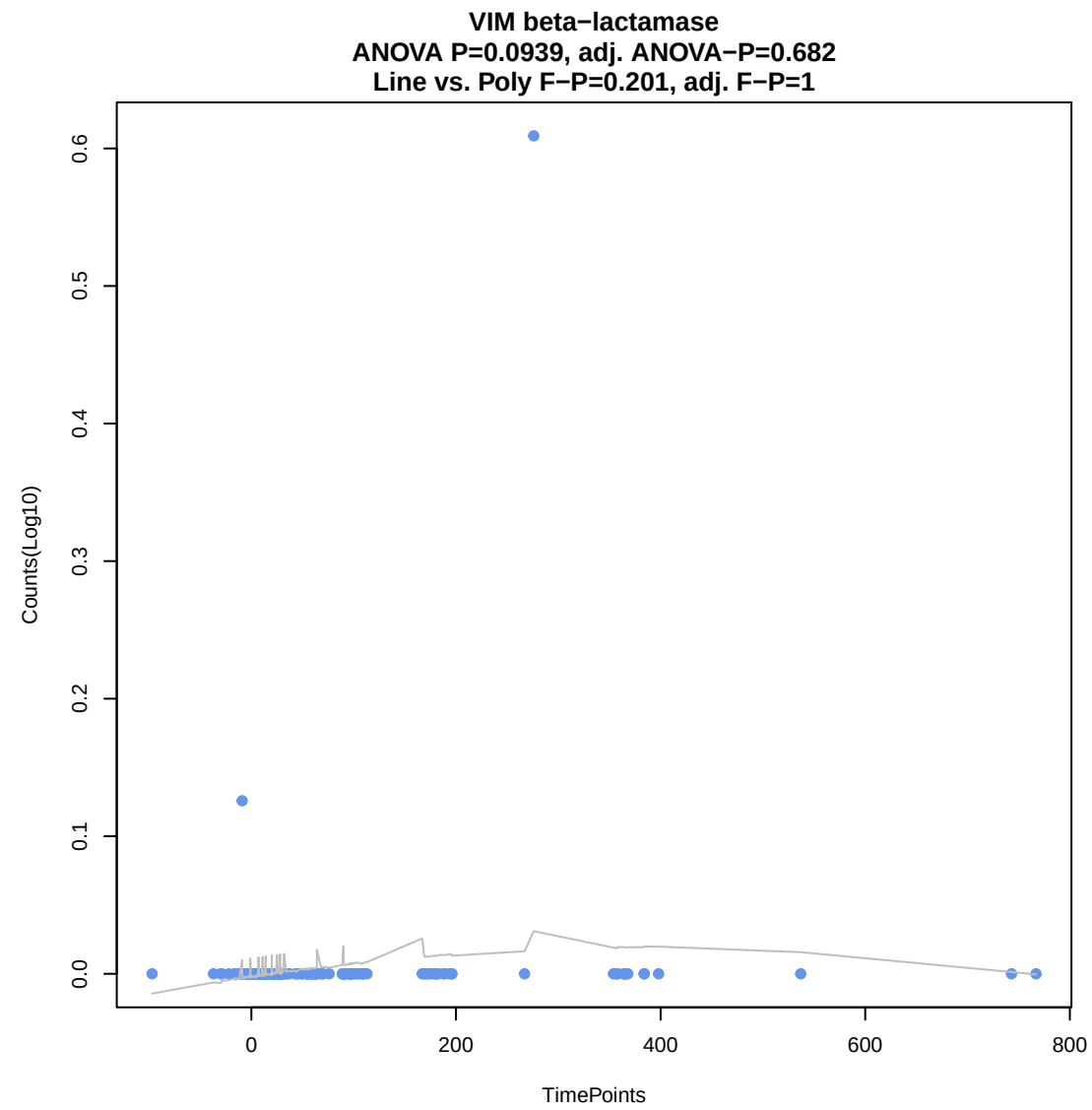

tetracycline−resistant ribosomal protection protein
ANOVA P=0.0212, adj. ANOVA−P=0.356
Line vs. Poly F−P=0.327, adj. F−P=1
Counts(Log10)
TimePoints

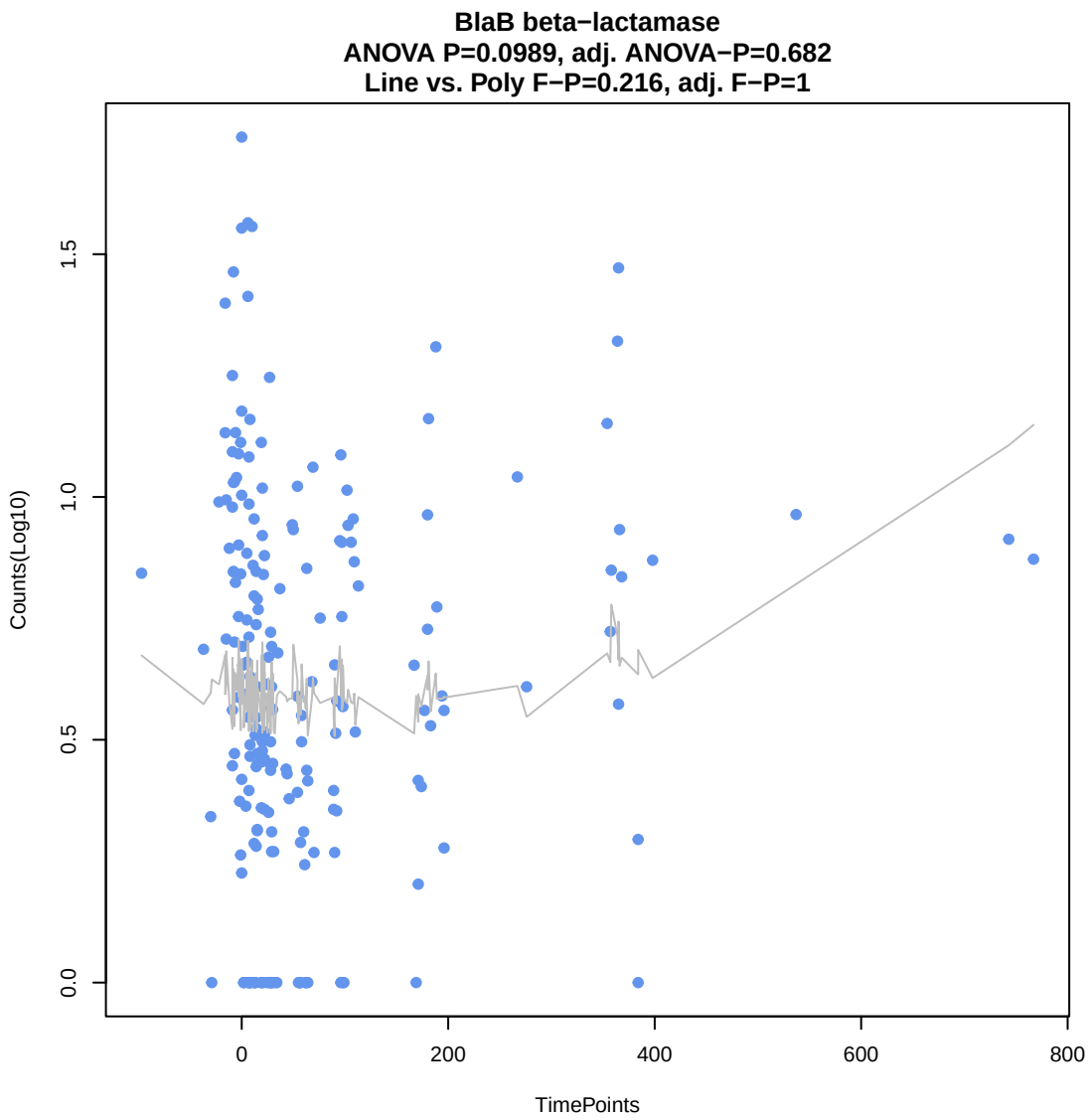

undecaprenyl pyrophosphate related proteins
ANOVA P=0.023, adj. ANOVA−P=0.356
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

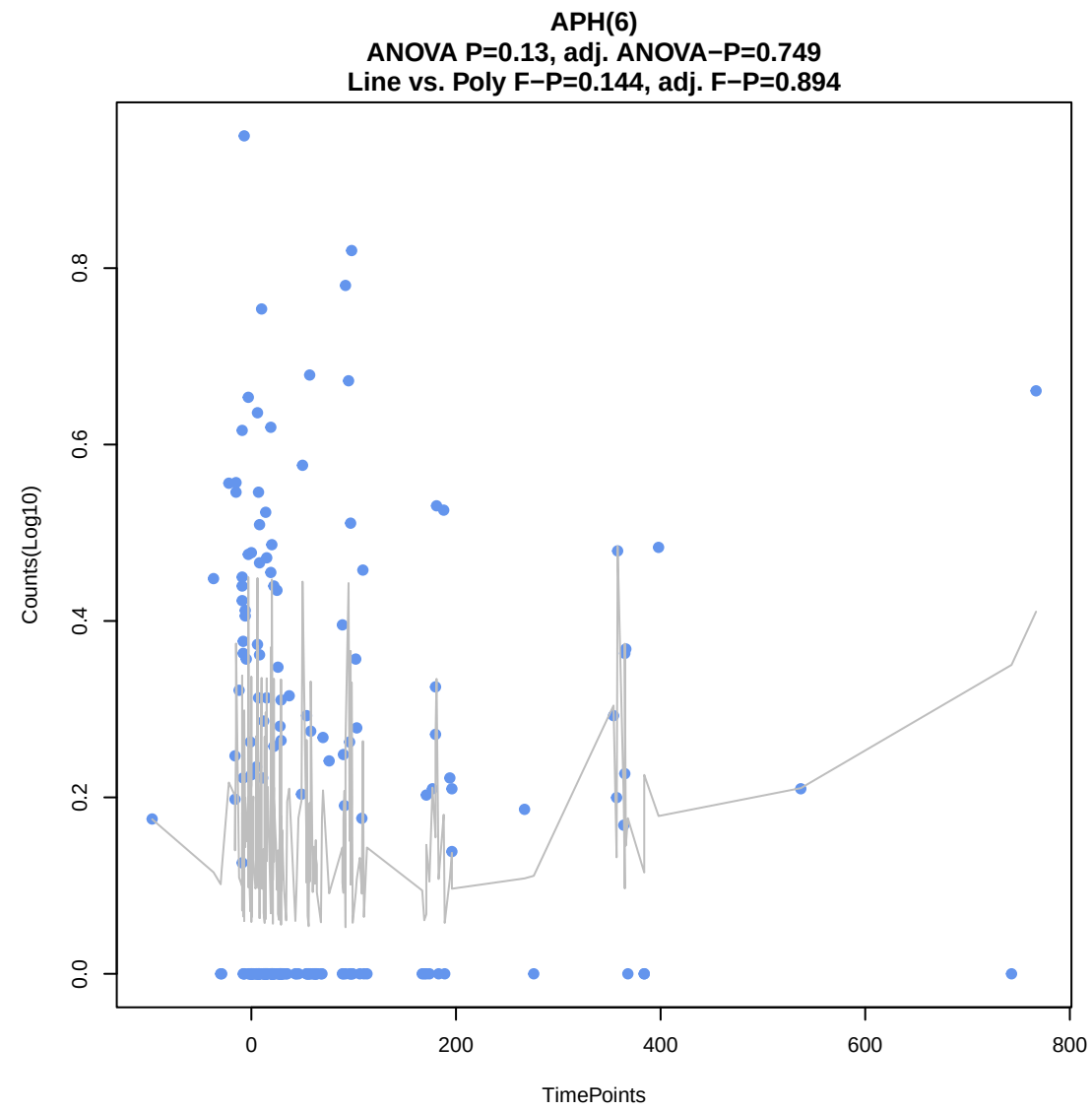

amp acetyltransferase
ANOVA P=0.0292, adj. ANOVA−P=0.362
Line vs. Poly F−P=0.00943, adj. F−P=0.195
Counts(Log10)
TimePoints


trimethoprim resistant dihydrofolate reductase dfr
ANOVA P=0.0428, adj. ANOVA−P=0.442
Line vs. Poly F−P=0.00816, adj. F−P=0.195
Counts(Log10)
TimePoints


AAC(6')
ANOVA P=0.0727, adj. ANOVA−P=0.644
Line vs. Poly F−P=0.0667, adj. F−P=0.827
Counts(Log10)
TimePoints

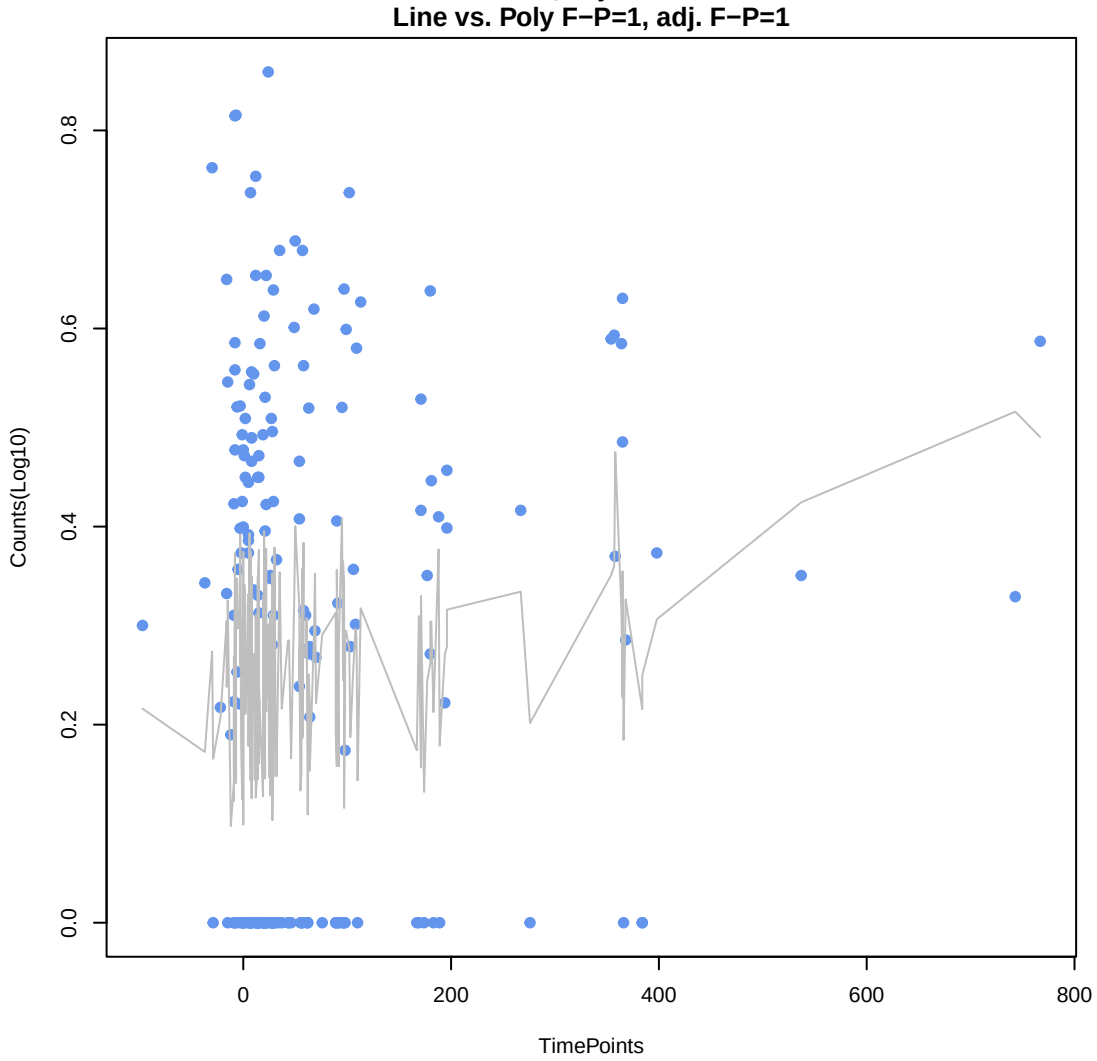

VIM beta−lactamase
ANOVA P=0.0939, adj. ANOVA−P=0.682
Line vs. Poly F−P=0.201, adj. F−P=1
Counts(Log10)
TimePoints

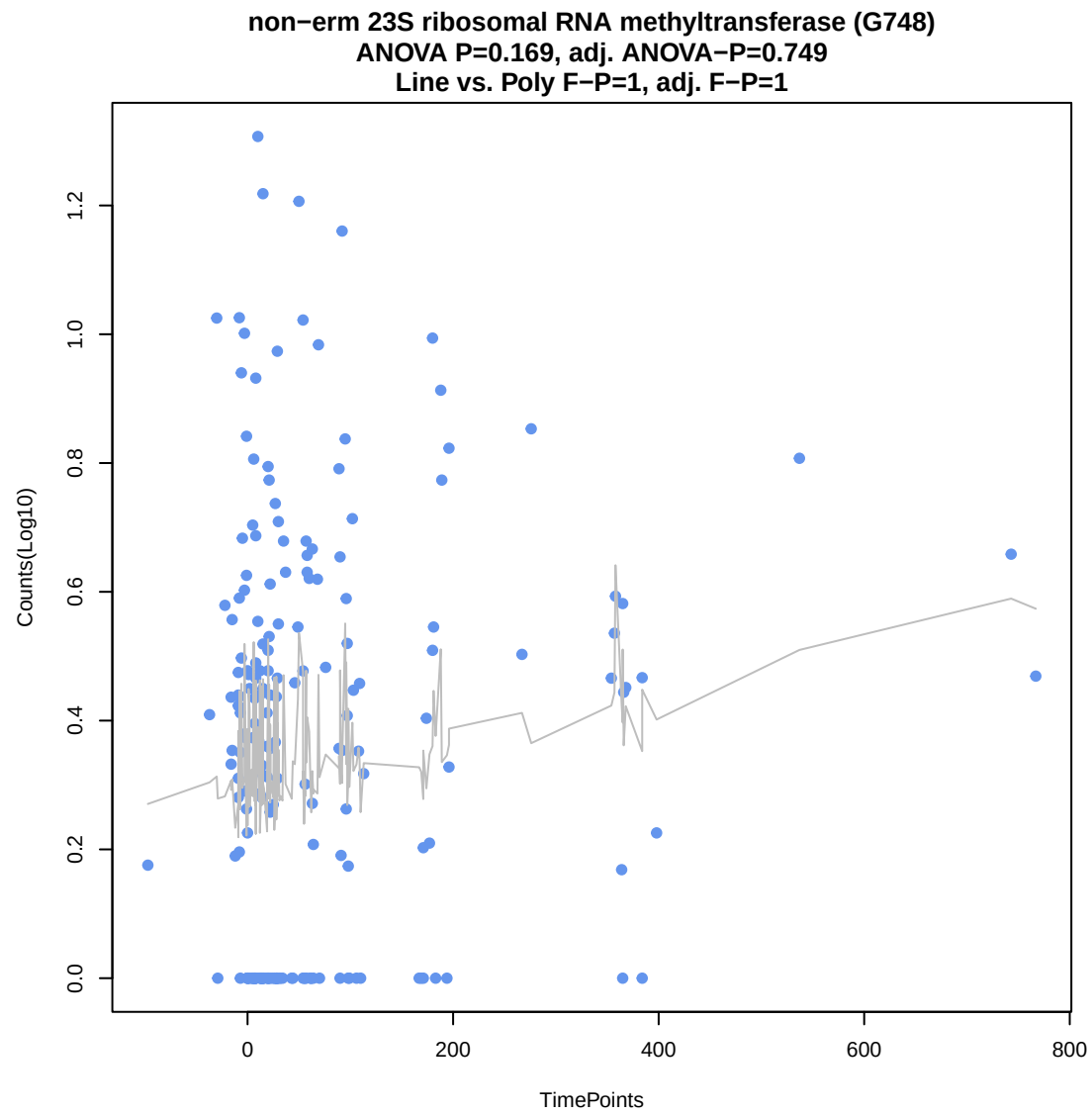

BlaB beta−lactamase
ANOVA P=0.0989, adj. ANOVA−P=0.682
Line vs. Poly F−P=0.216, adj. F−P=1
Counts(Log10)
TimePoints

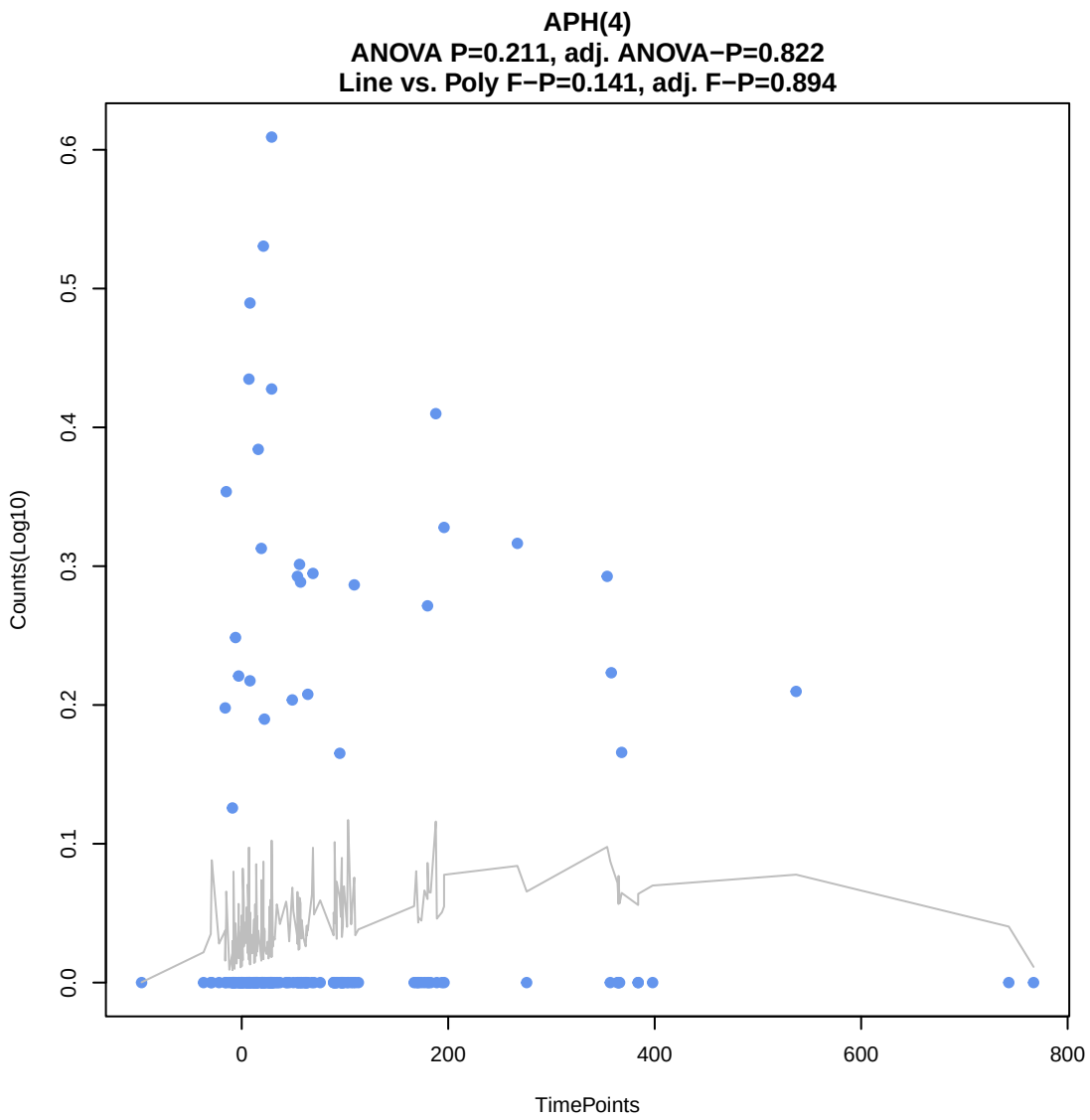

APH(6)
ANOVA P=0.13, adj. ANOVA−P=0.749
Line vs. Poly F−P=0.144, adj. F−P=0.894
Counts(Log10)
TimePoints

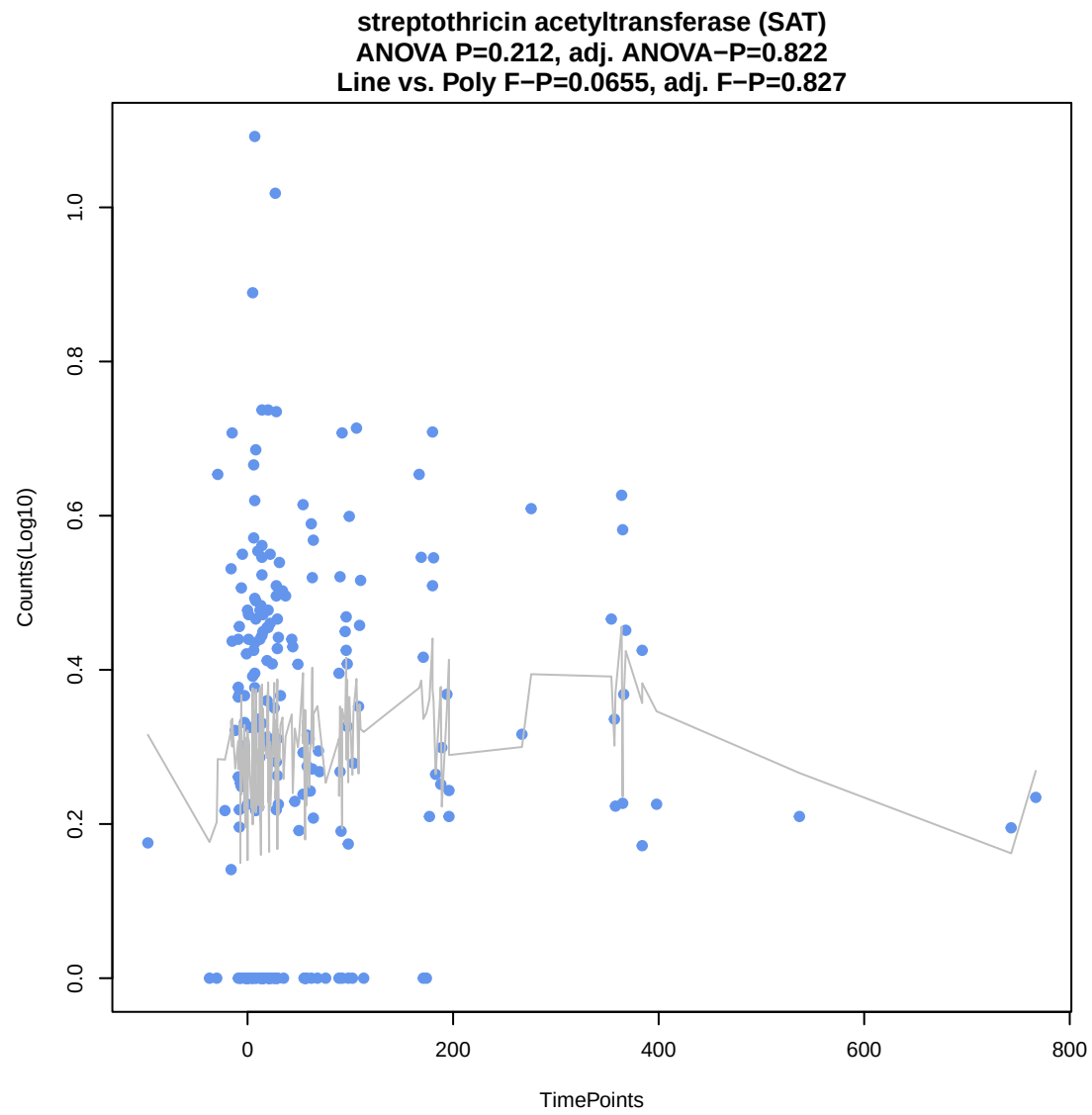
resistance−nodulation−cell division (RND) antibiotic efflux pump
ANOVA P=0.142, adj. ANOVA−P=0.749
Line vs. Poly F−P=0.444, adj. F−P=1
Counts(Log10)
TimePoints

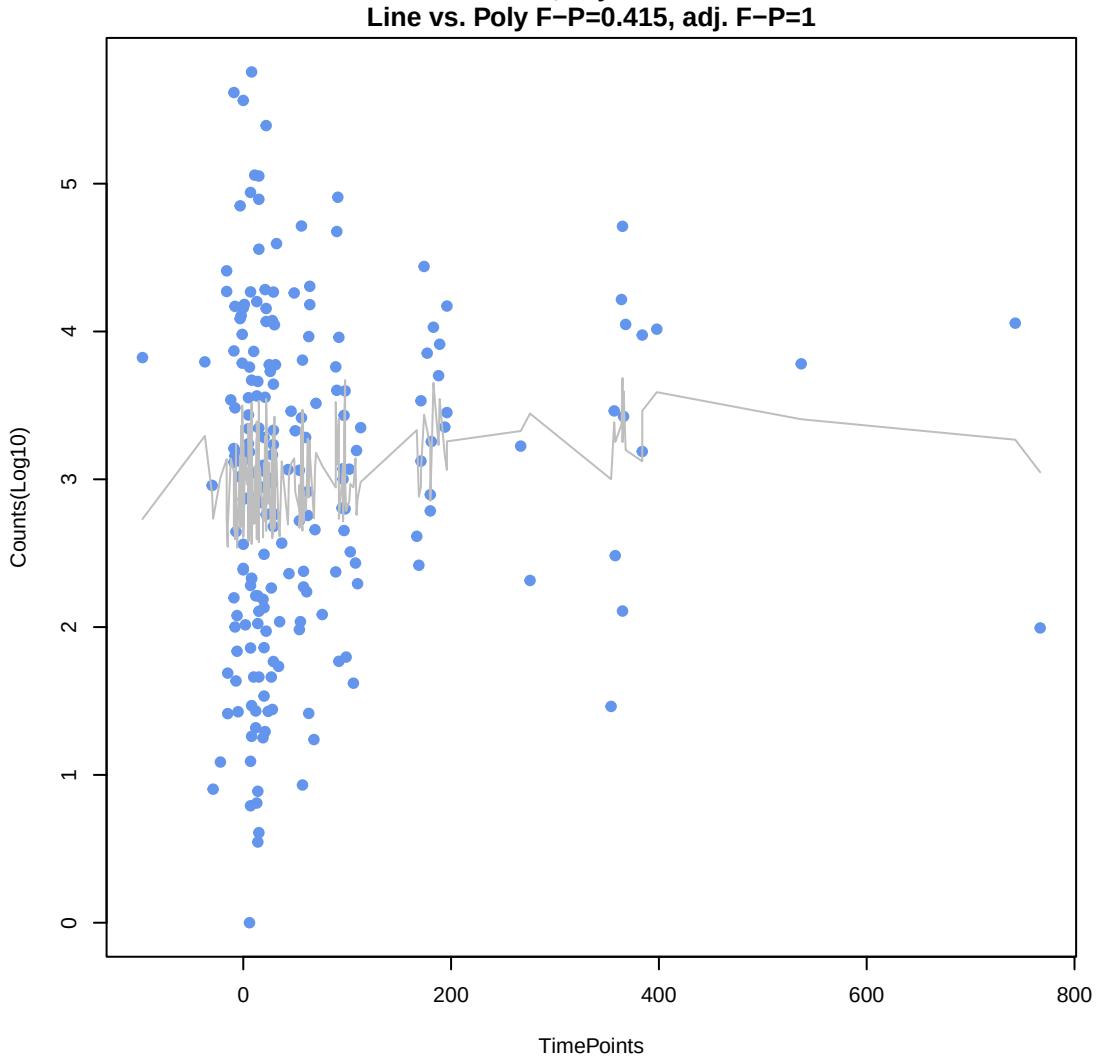
PDC beta−lactamase
ANOVA P=0.151, adj. ANOVA−P=0.749
Line vs. Poly F−P=0.115, adj. F−P=0.894
Counts(Log10)
TimePoints

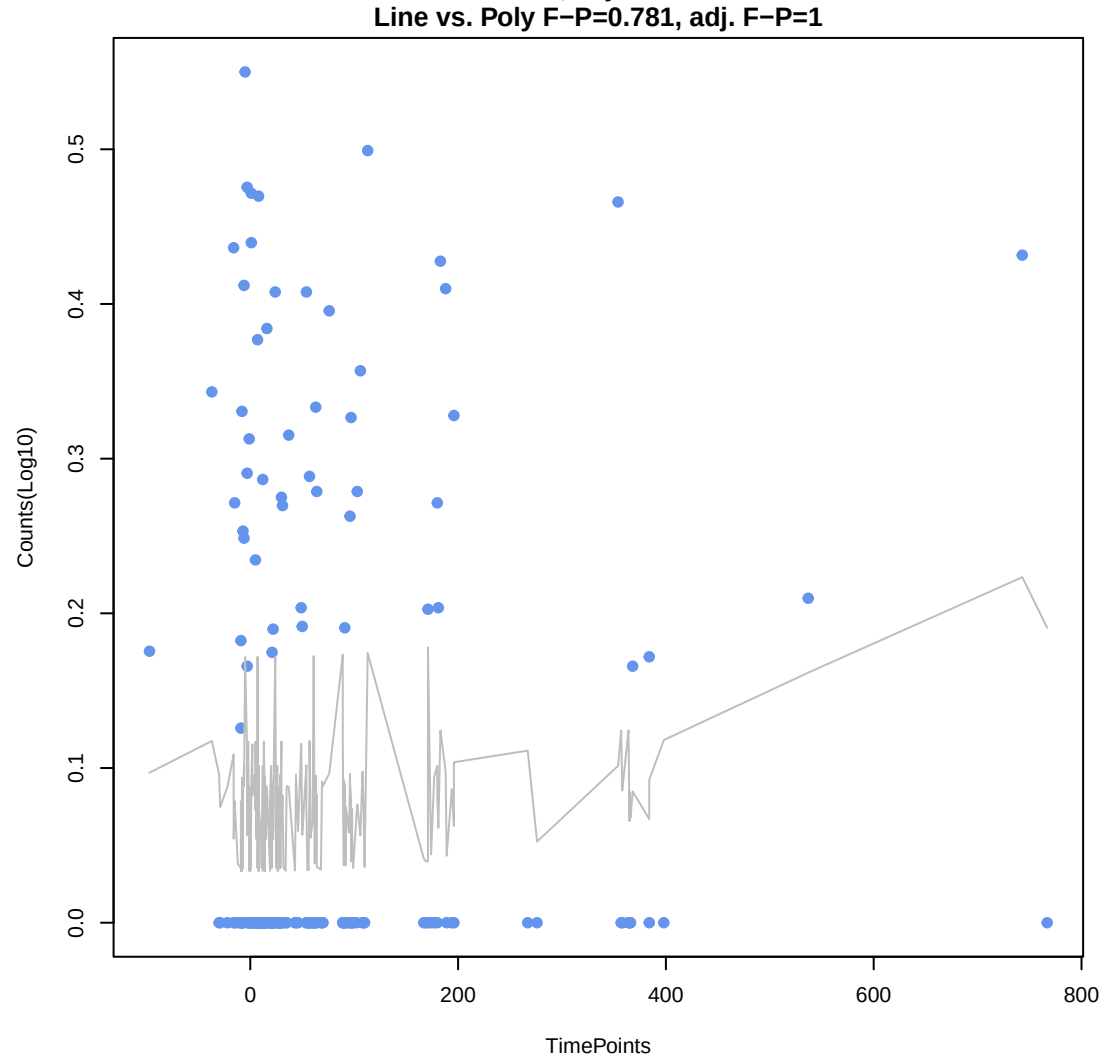

ANA beta−lactamase
ANOVA P=0.169, adj. ANOVA−P=0.749
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

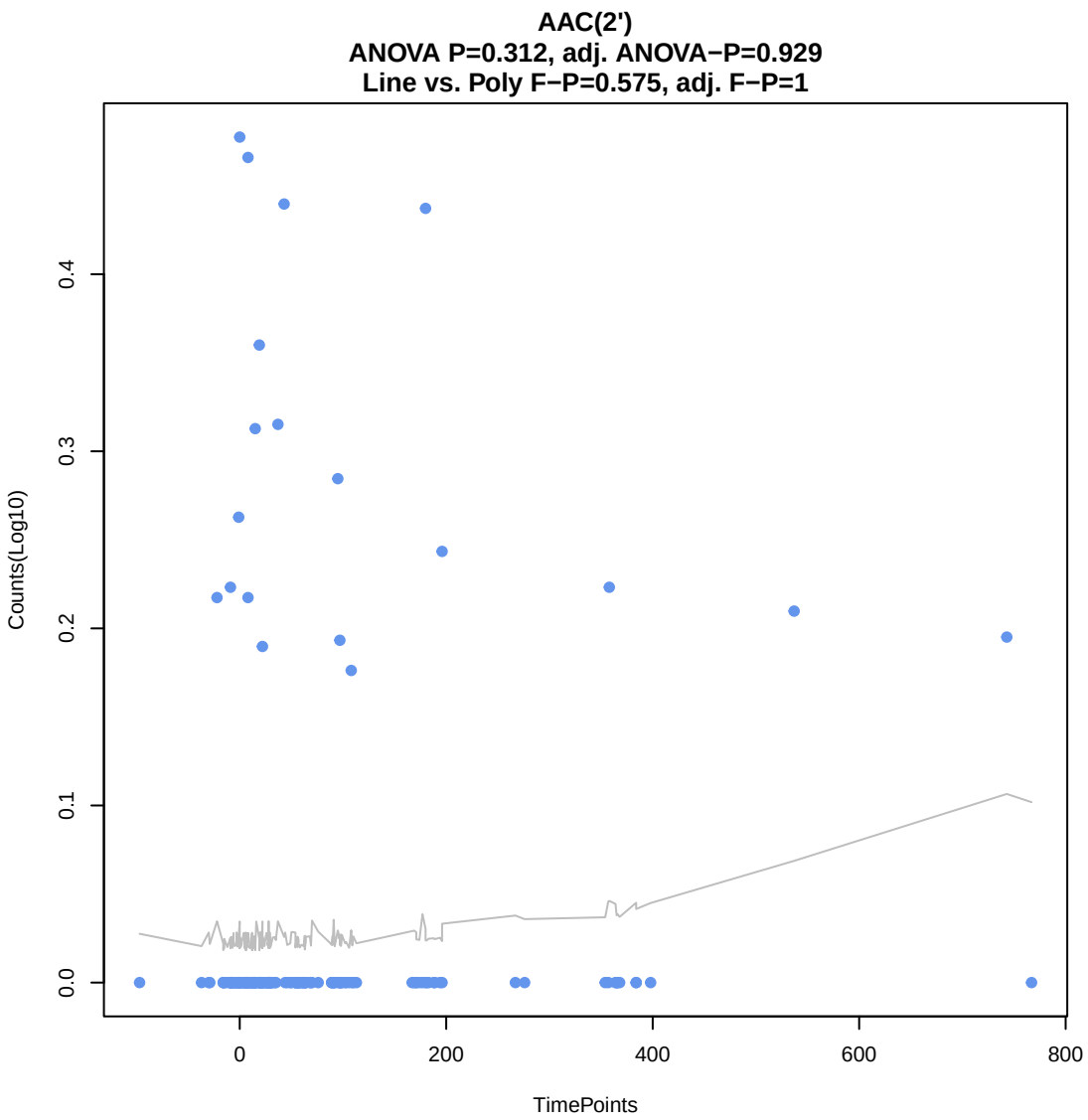

non−erm 23S ribosomal RNA methyltransferase (G748)
ANOVA P=0.169, adj. ANOVA−P=0.749
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

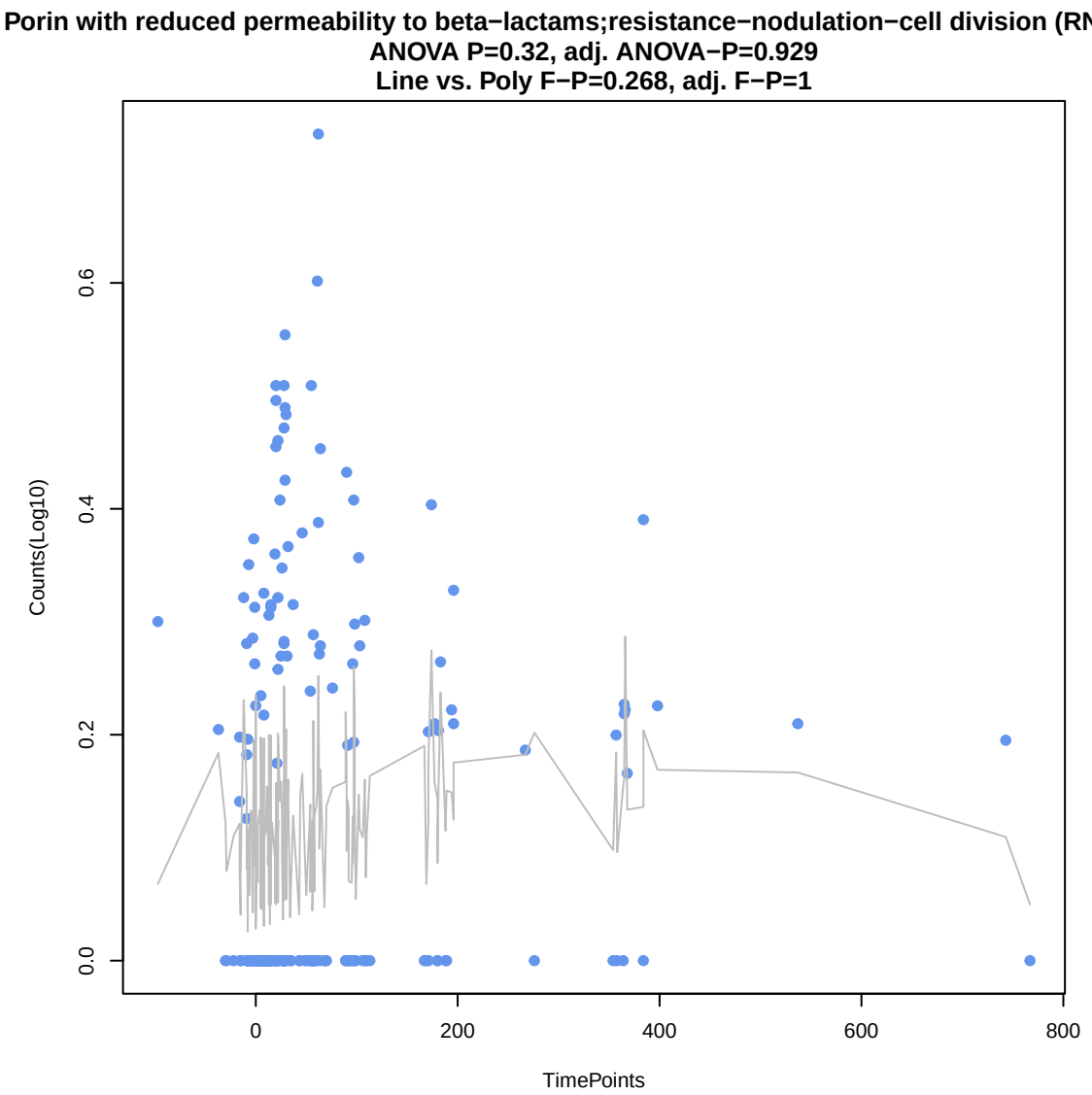

APH(4)
ANOVA P=0.211, adj. ANOVA−P=0.822
Line vs. Poly F−P=0.141, adj. F−P=0.894
Counts(Log10)
TimePoints

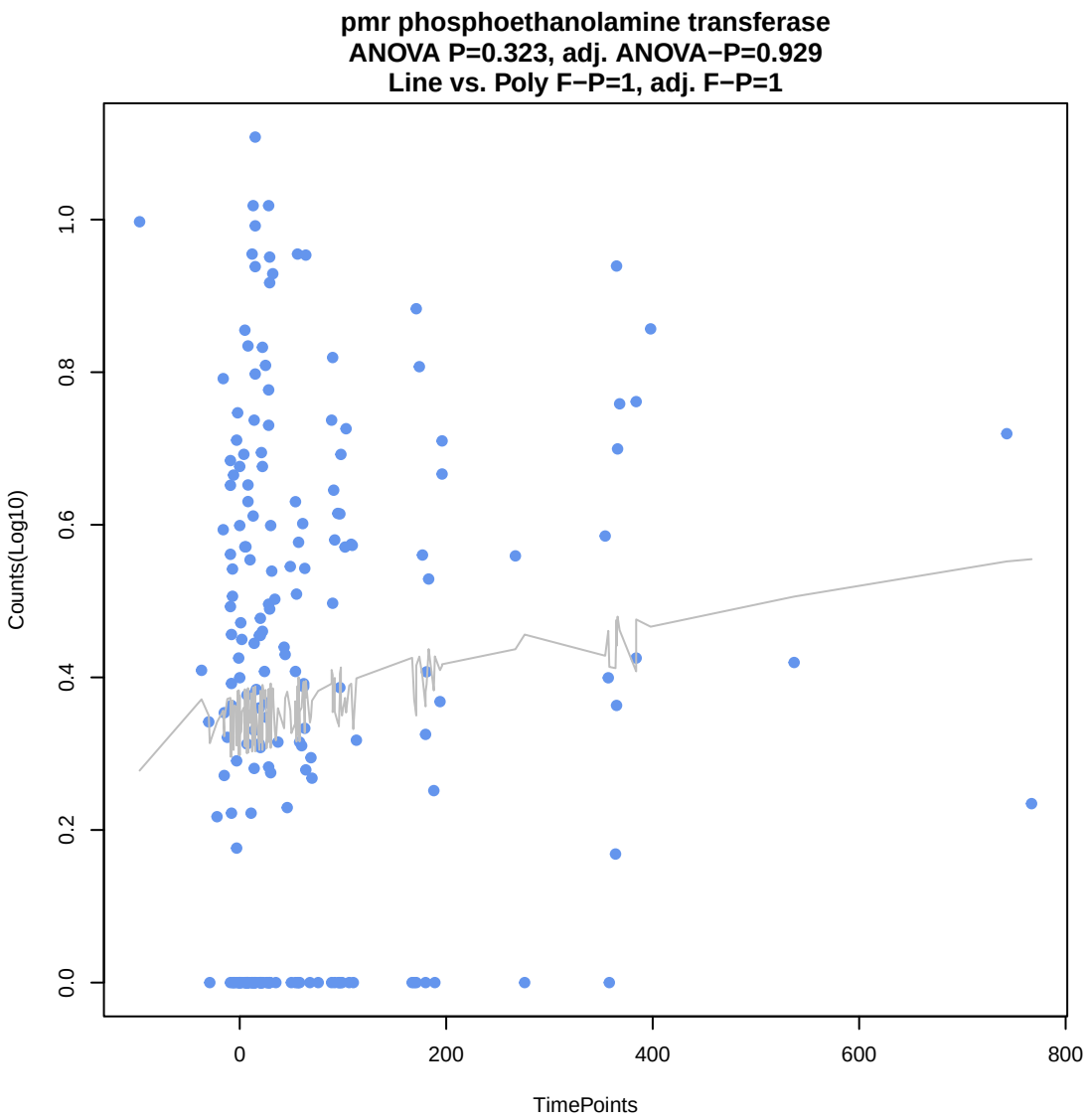

streptothricin acetyltransferase (SAT)
ANOVA P=0.212, adj. ANOVA−P=0.822
Line vs. Poly F−P=0.0655, adj. F−P=0.827
Counts(Log10)
TimePoints

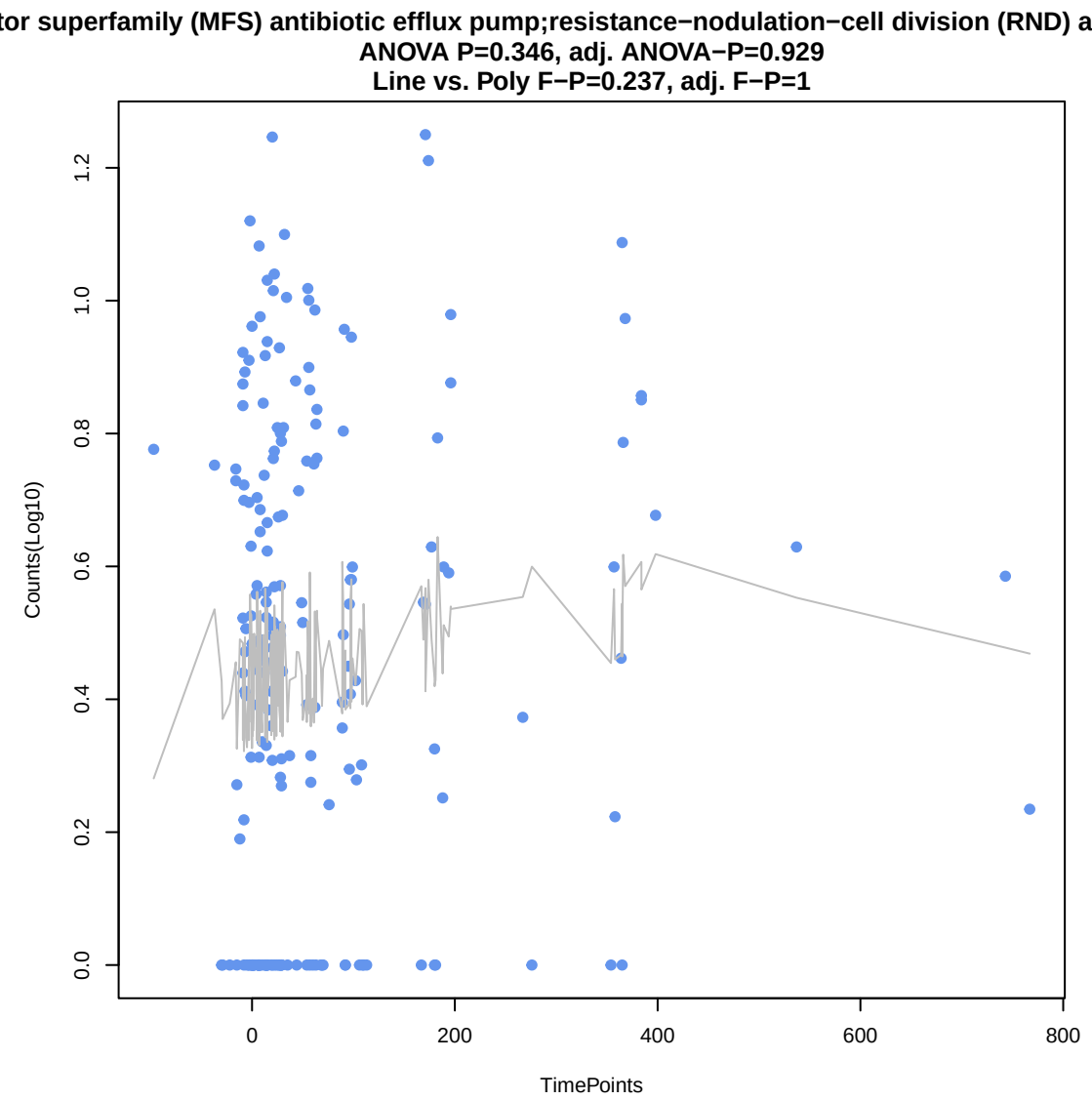

major facilitator superfamily (MFS) antibiotic efflux pump
ANOVA P=0.238, adj. ANOVA−P=0.867
Line vs. Poly F−P=0.415, adj. F−P=1
Counts(Log10)
TimePoints

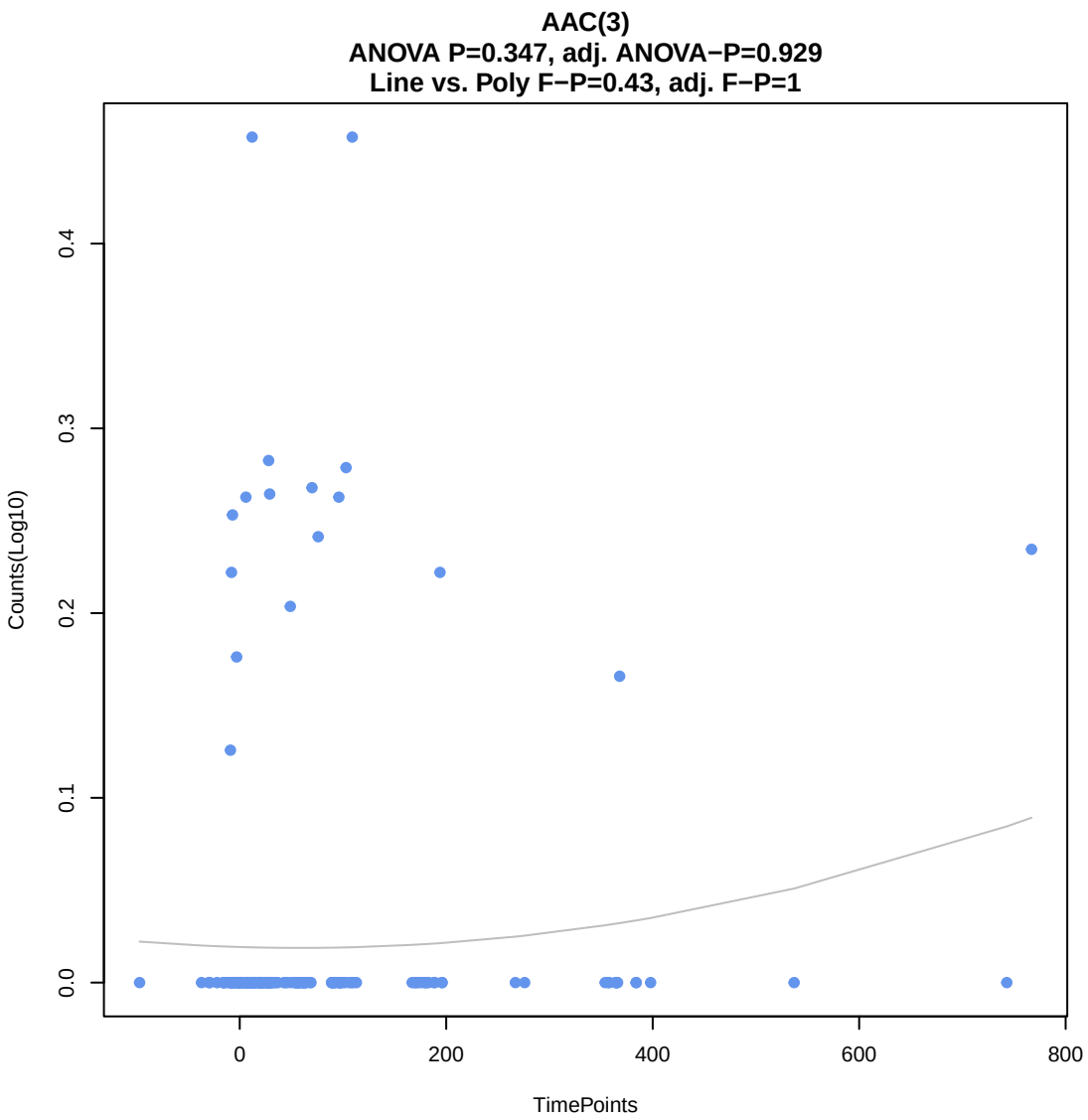

SHV beta−lactamase
ANOVA P=0.308, adj. ANOVA−P=0.929
Line vs. Poly F−P=0.781, adj. F−P=1
Counts(Log10)
TimePoints

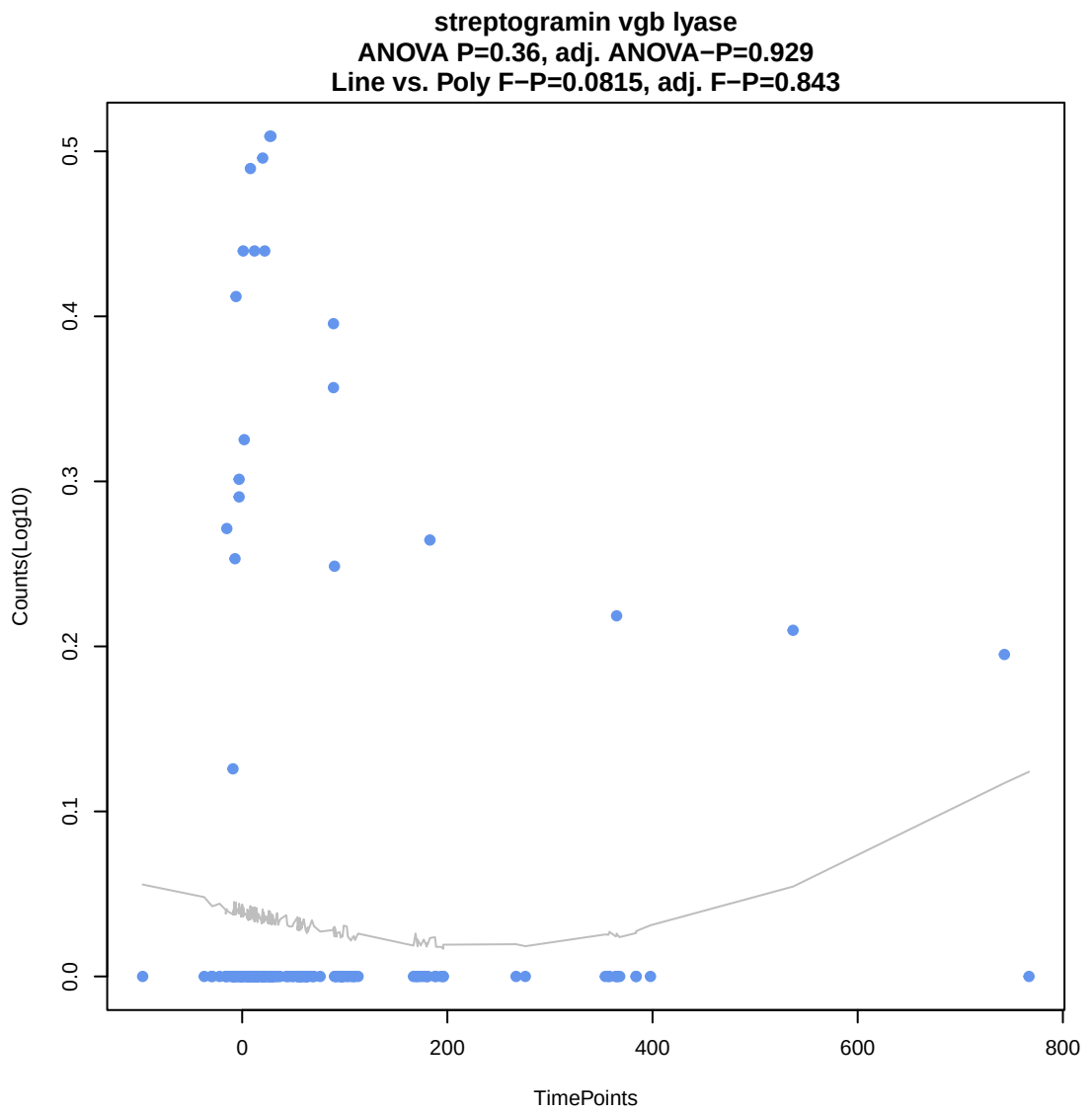

AAC(2')
ANOVA P=0.312, adj. ANOVA−P=0.929
Line vs. Poly F−P=0.575, adj. F−P=1
Counts(Log10)
TimePoints

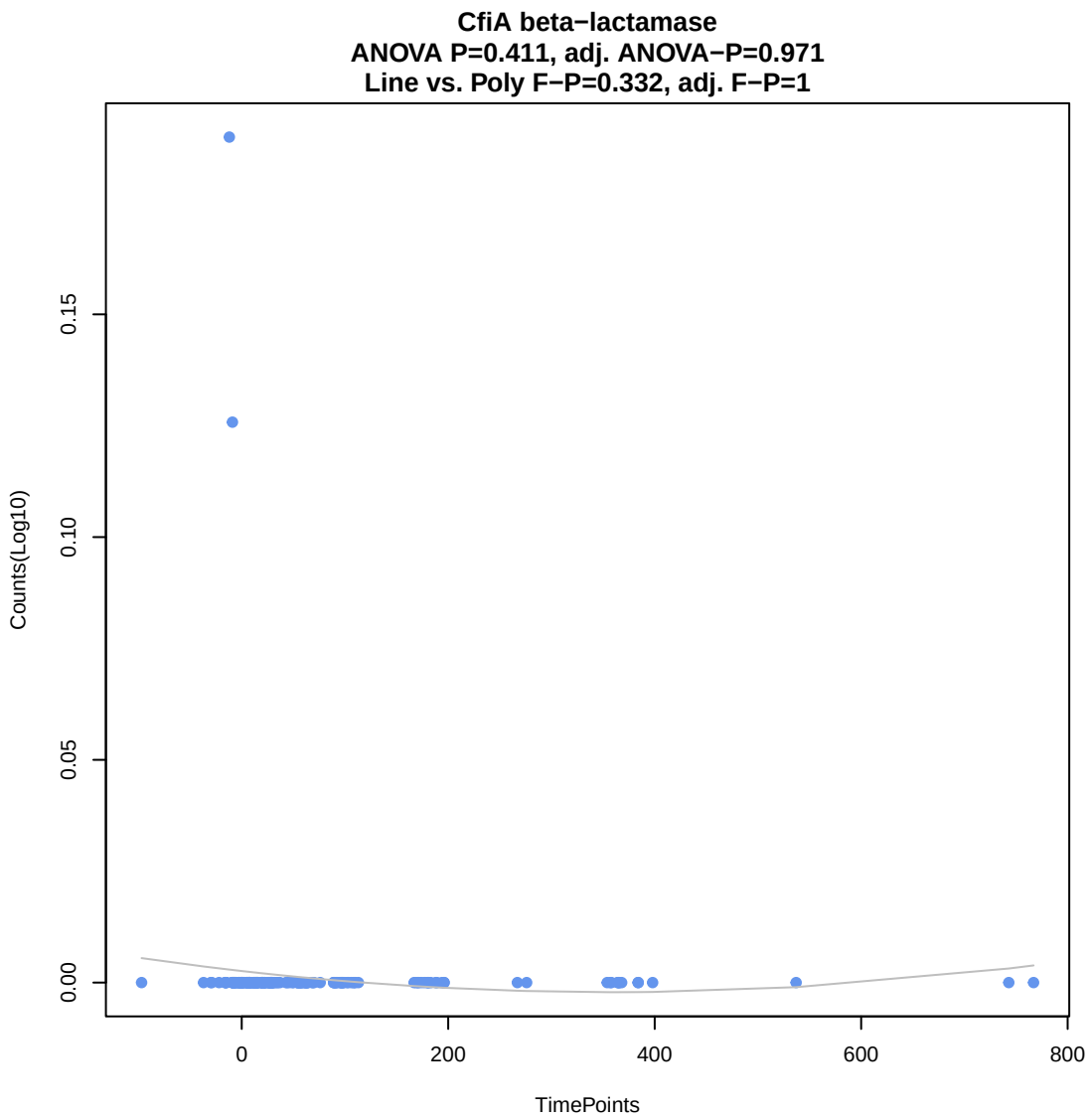

al Porin with reduced permeability to beta−lactams;resistance−nodulation−cell division (RN
ANOVA P=0.32, adj. ANOVA−P=0.929
Line vs. Poly F−P=0.268, adj. F−P=1
Counts(Log10)
TimePoints

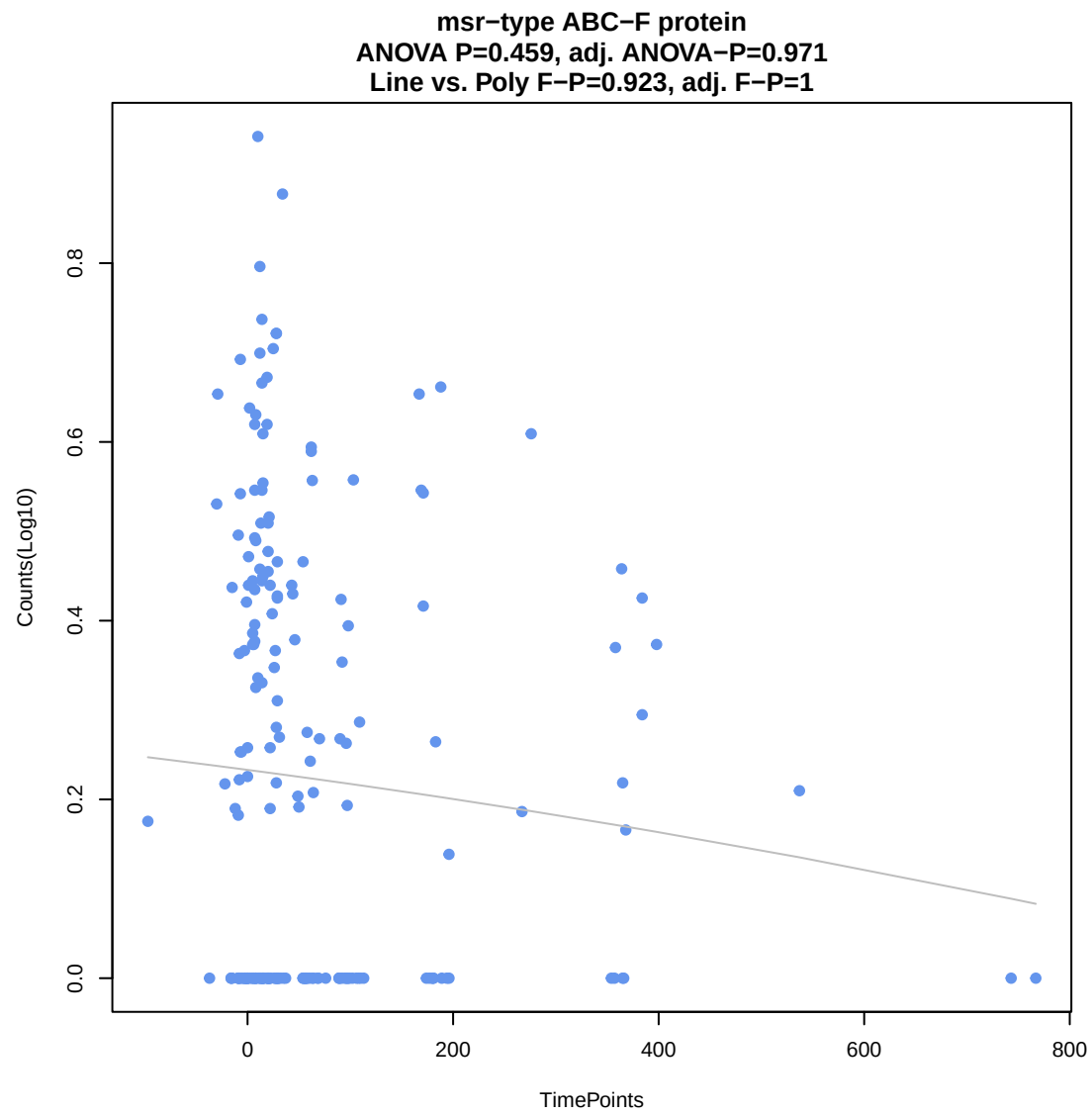

pmr phosphoethanolamine transferase
ANOVA P=0.323, adj. ANOVA−P=0.929
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

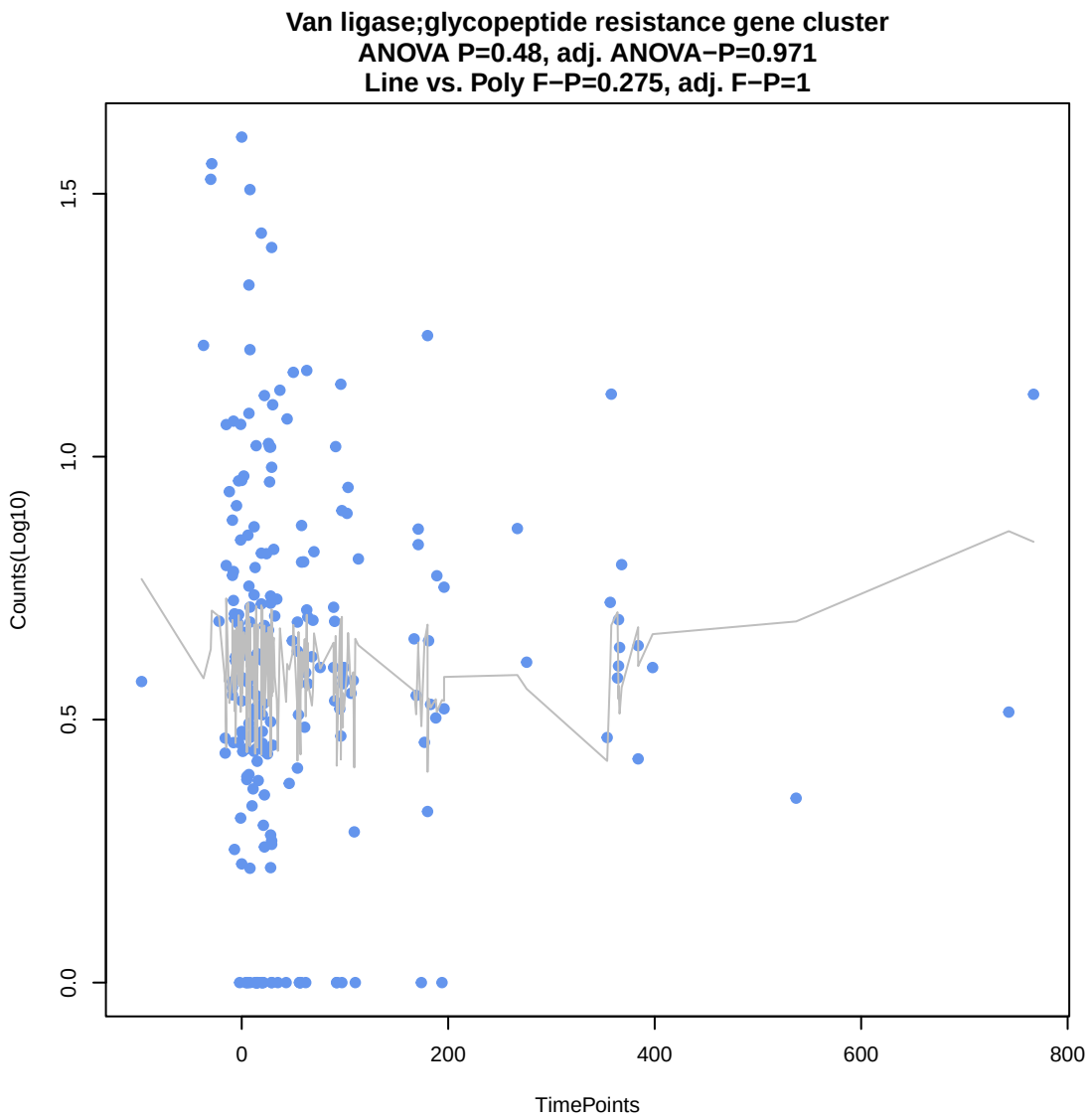

itator superfamily (MFS) antibiotic efflux pump;resistance−nodulation−cell division (RND) a
ANOVA P=0.346, adj. ANOVA−P=0.929
Line vs. Poly F−P=0.237, adj. F−P=1
Counts(Log10)
TimePoints

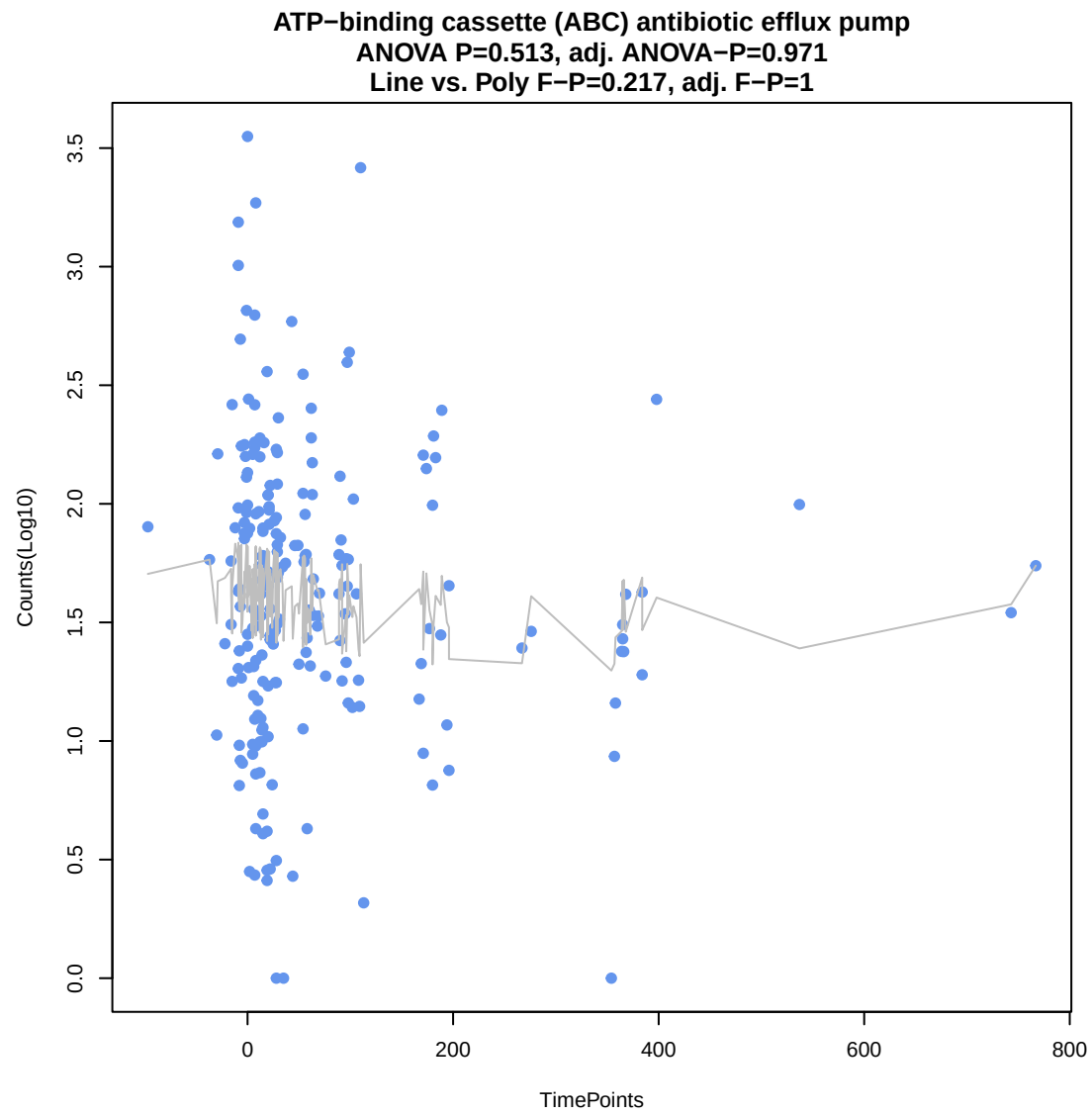

AAC(3)
ANOVA P=0.347, adj. ANOVA−P=0.929
Line vs. Poly F−P=0.43, adj. F−P=1
Counts(Log10)
TimePoints

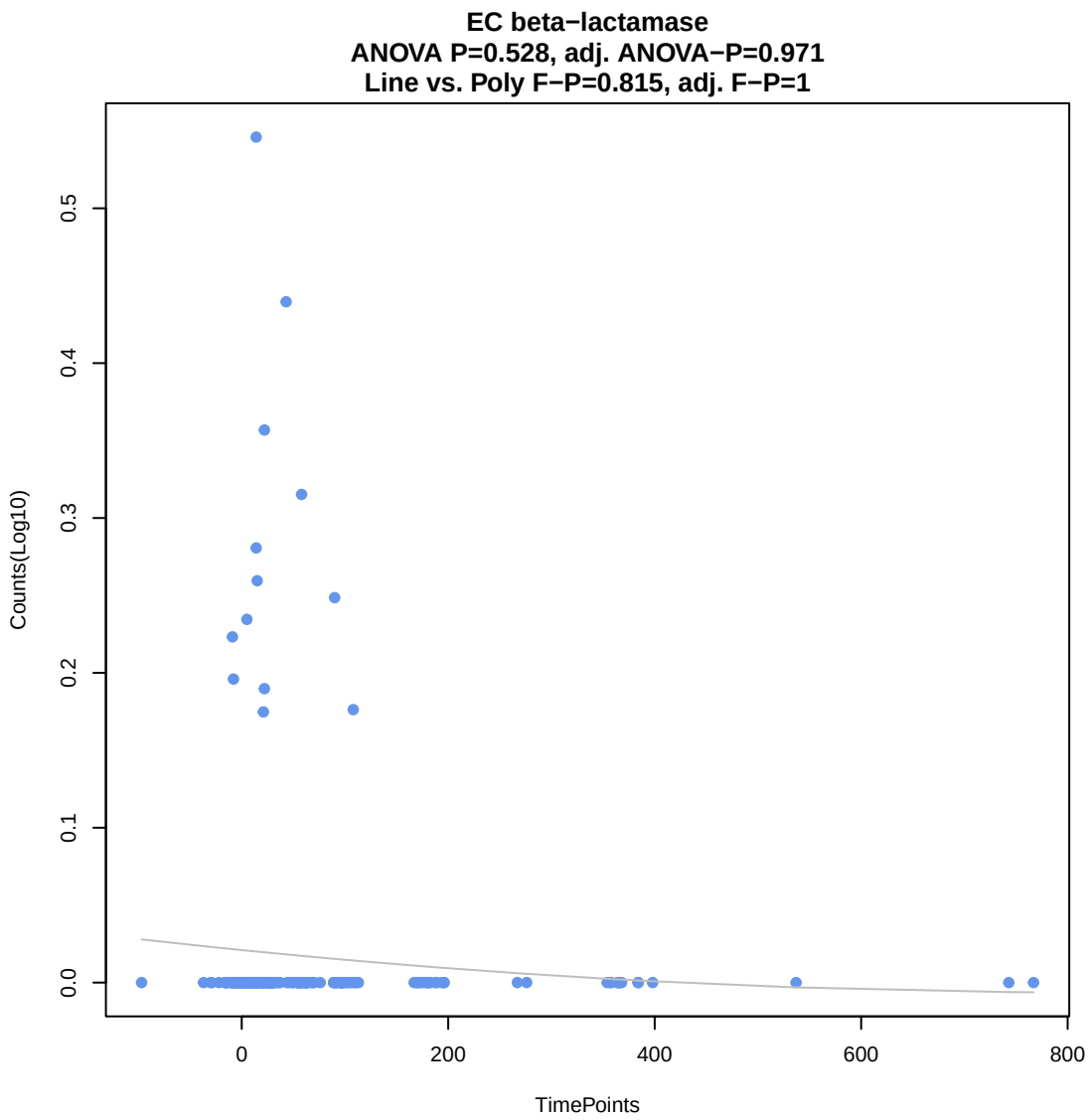

streptogramin vgb lyase
ANOVA P=0.36, adj. ANOVA−P=0.929
Line vs. Poly F−P=0.0815, adj. F−P=0.843
Counts(Log10)
TimePoints

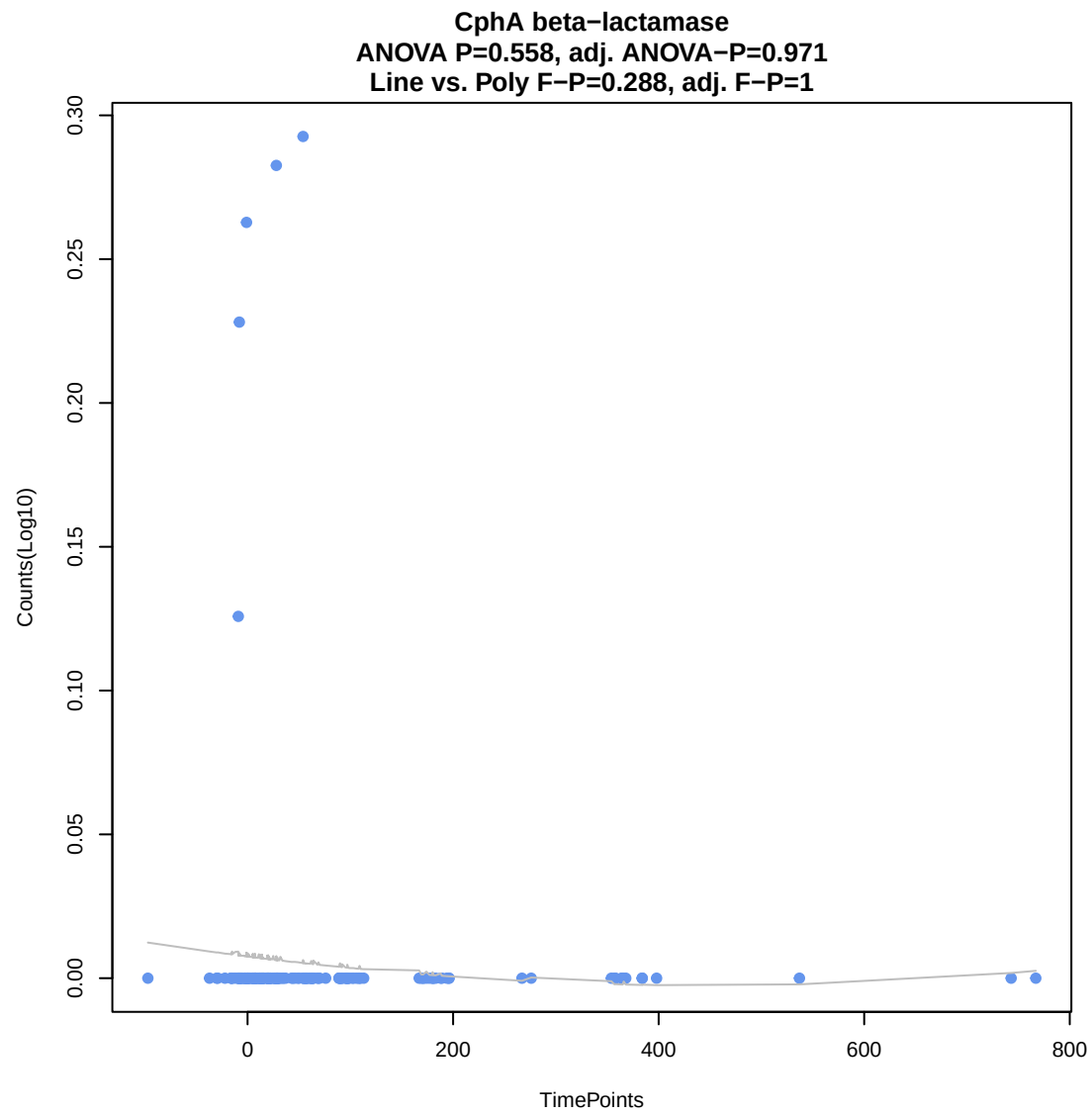

CfiA beta−lactamase
ANOVA P=0.411, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.332, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0
200
400
600
800
TimePoints

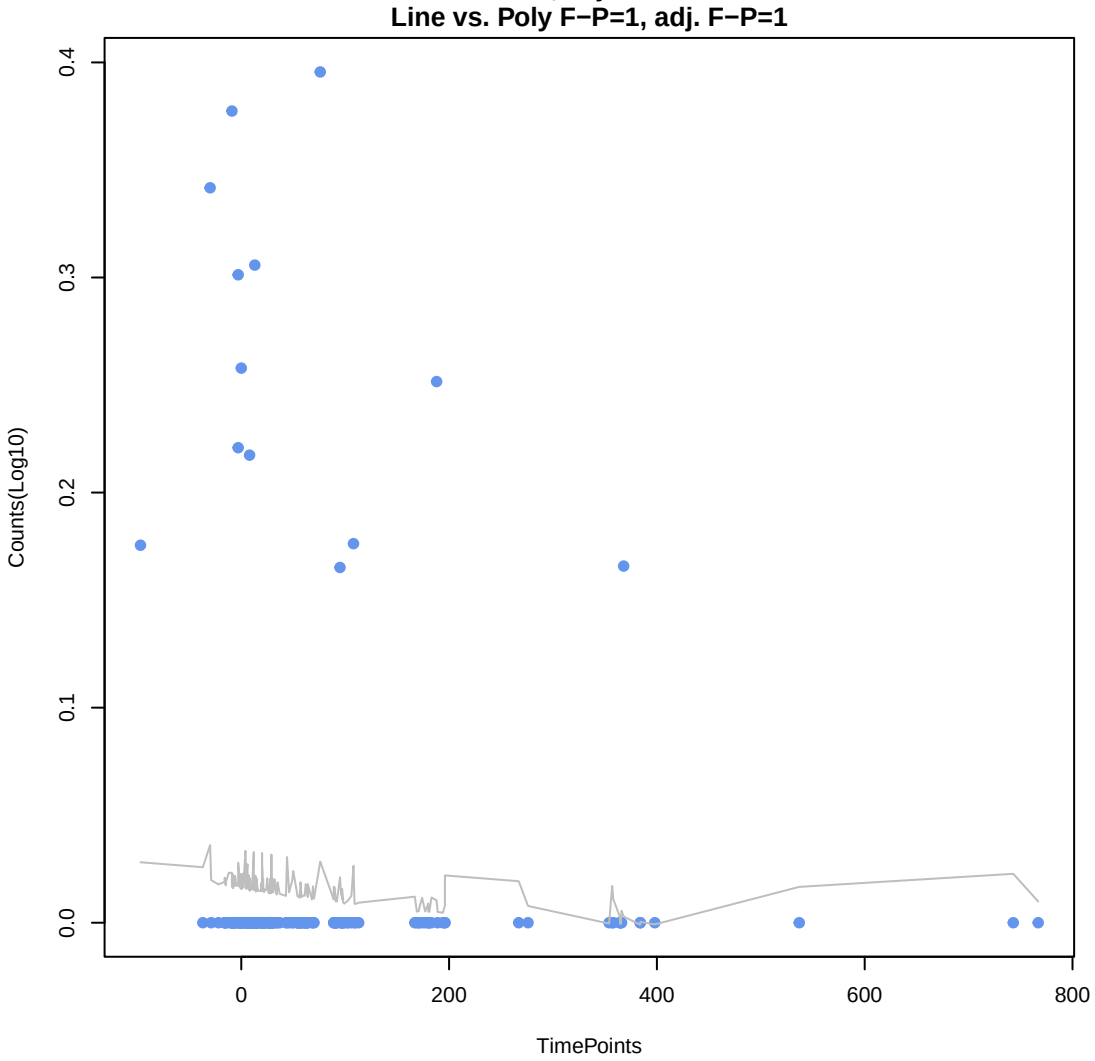

msr−type ABC−F protein
ANOVA P=0.459, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.923, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
0
200
400
600
800
TimePoints

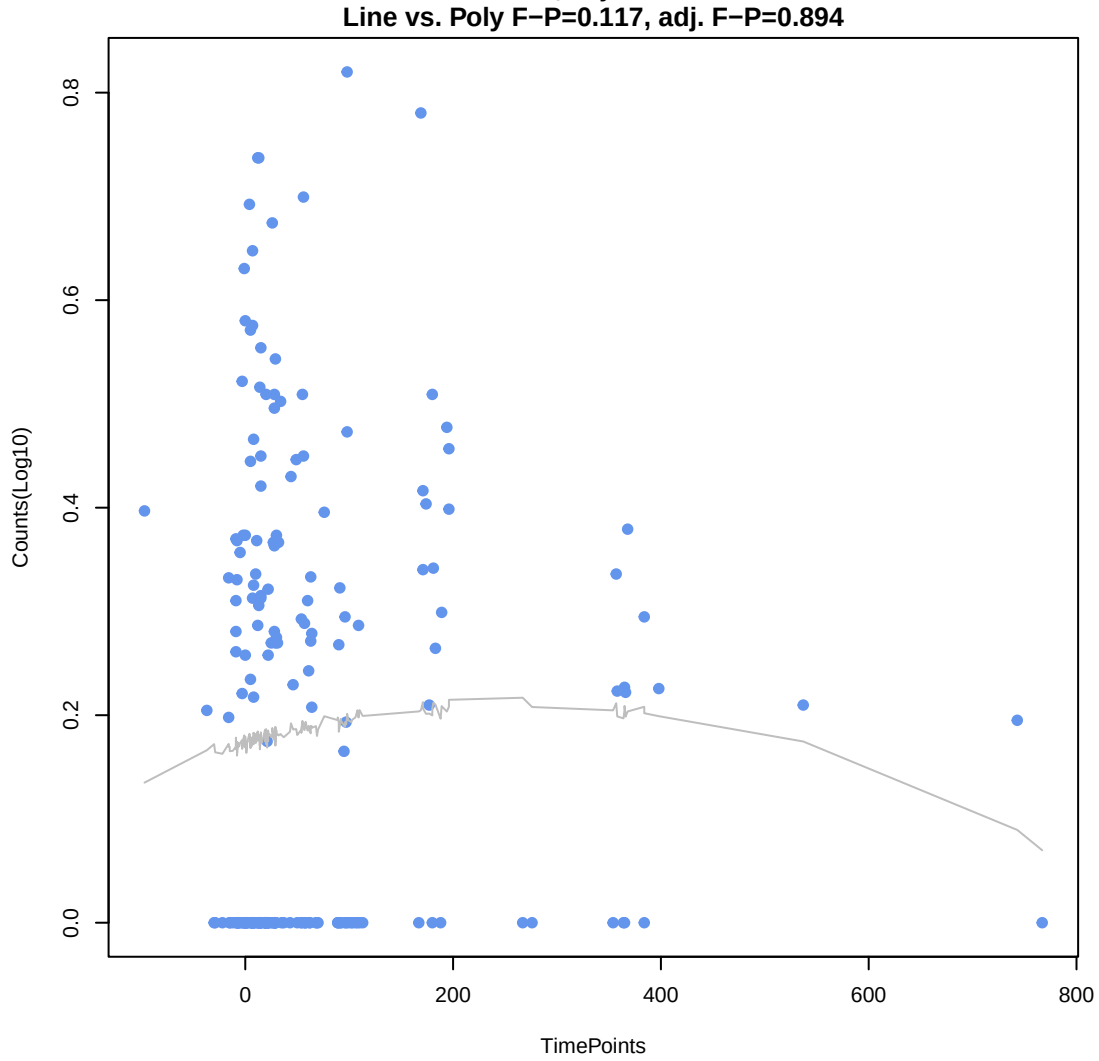

Van ligase;glycopeptide resistance gene cluster
ANOVA P=0.48, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.275, adj. F−P=1
Counts(Log10)
0.0
0.5
1.0
1.5
0
200
400
600
800
TimePoints

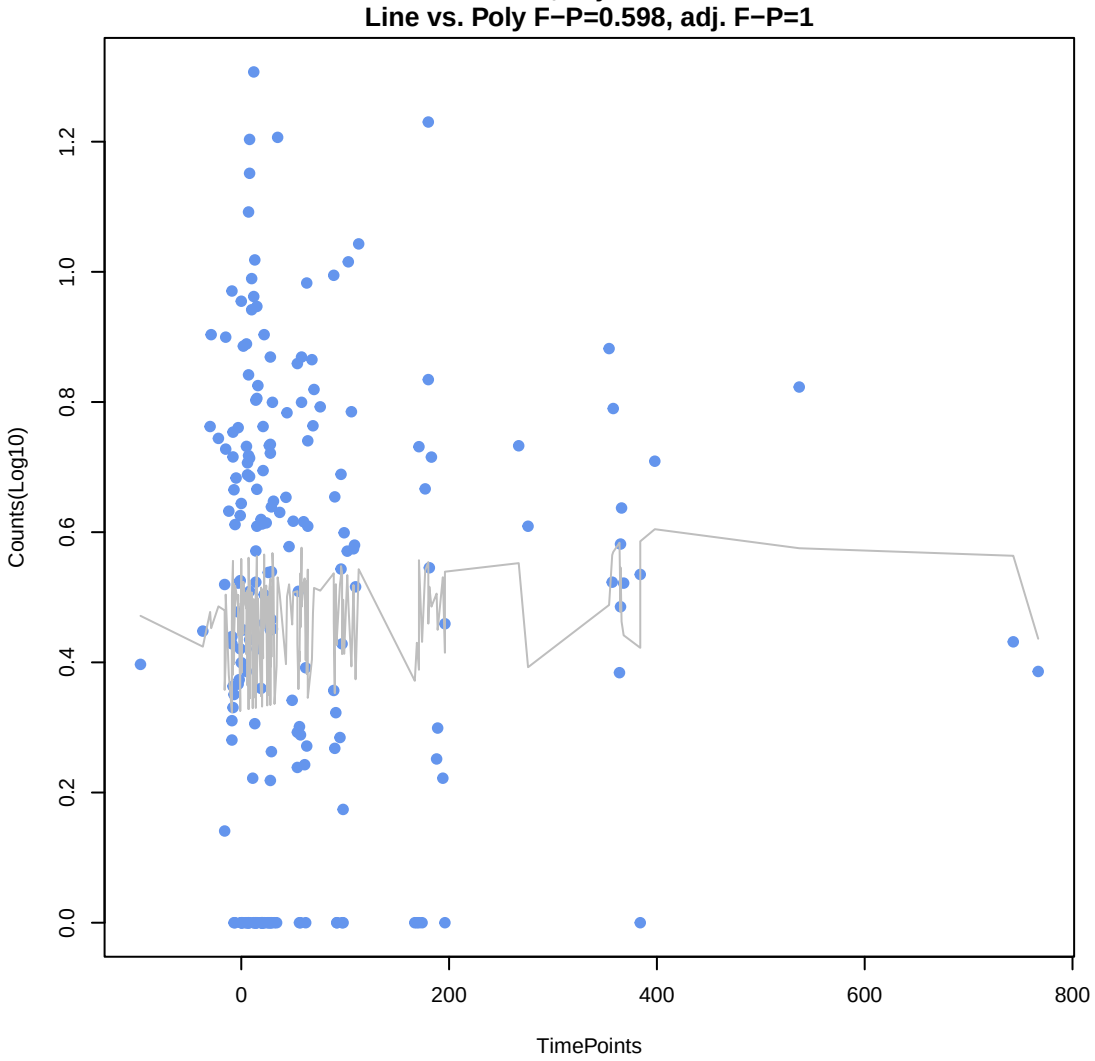

ATP−binding cassette (ABC) antibiotic efflux pump
ANOVA P=0.513, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.217, adj. F−P=1
Counts(Log10)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
200
400
600
800
TimePoints

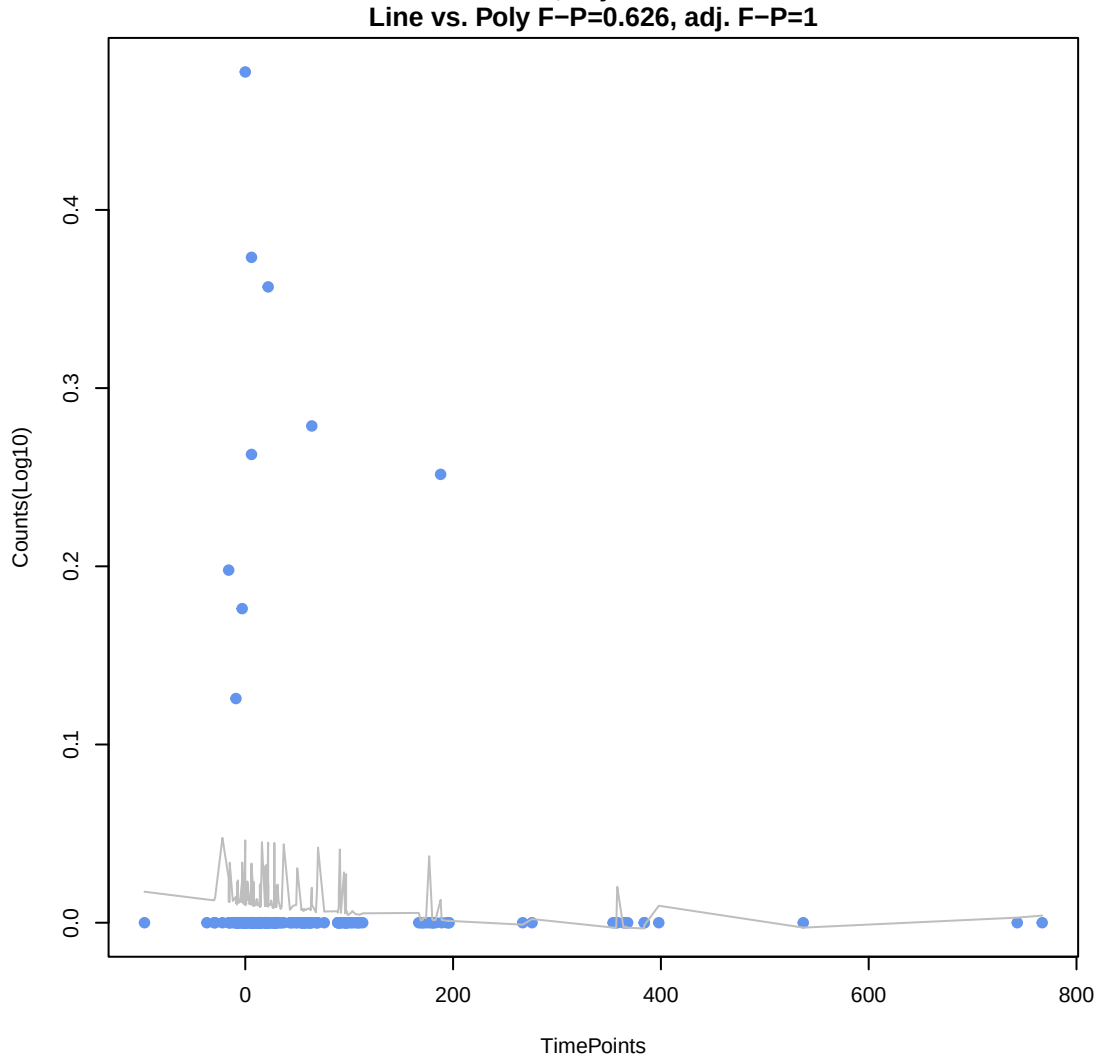

EC beta−lactamase
ANOVA P=0.528, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.815, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0.5
0
200
400
600
800
TimePoints

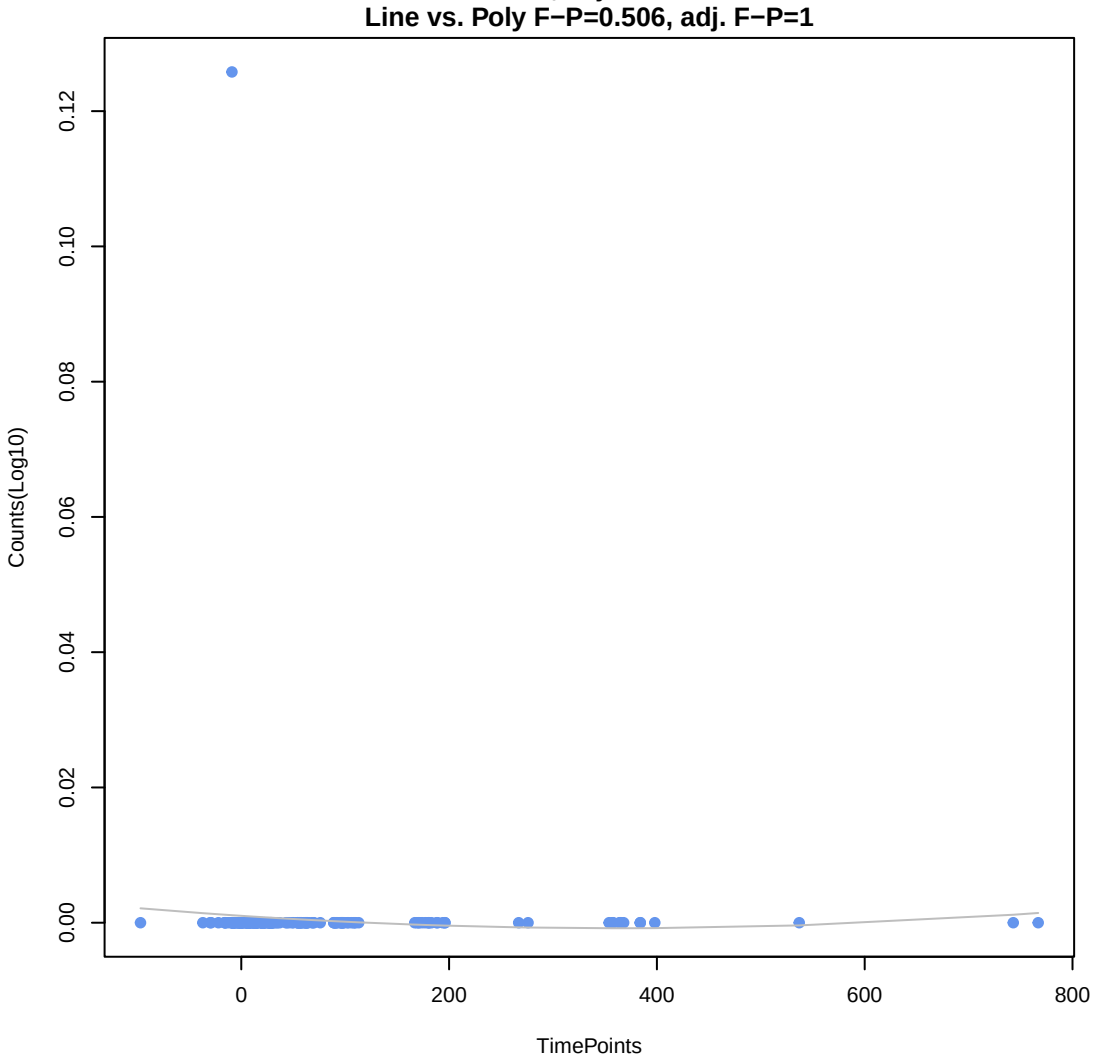

CphA beta−lactamase
ANOVA P=0.558, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.288, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
200
400
600
800
TimePoints

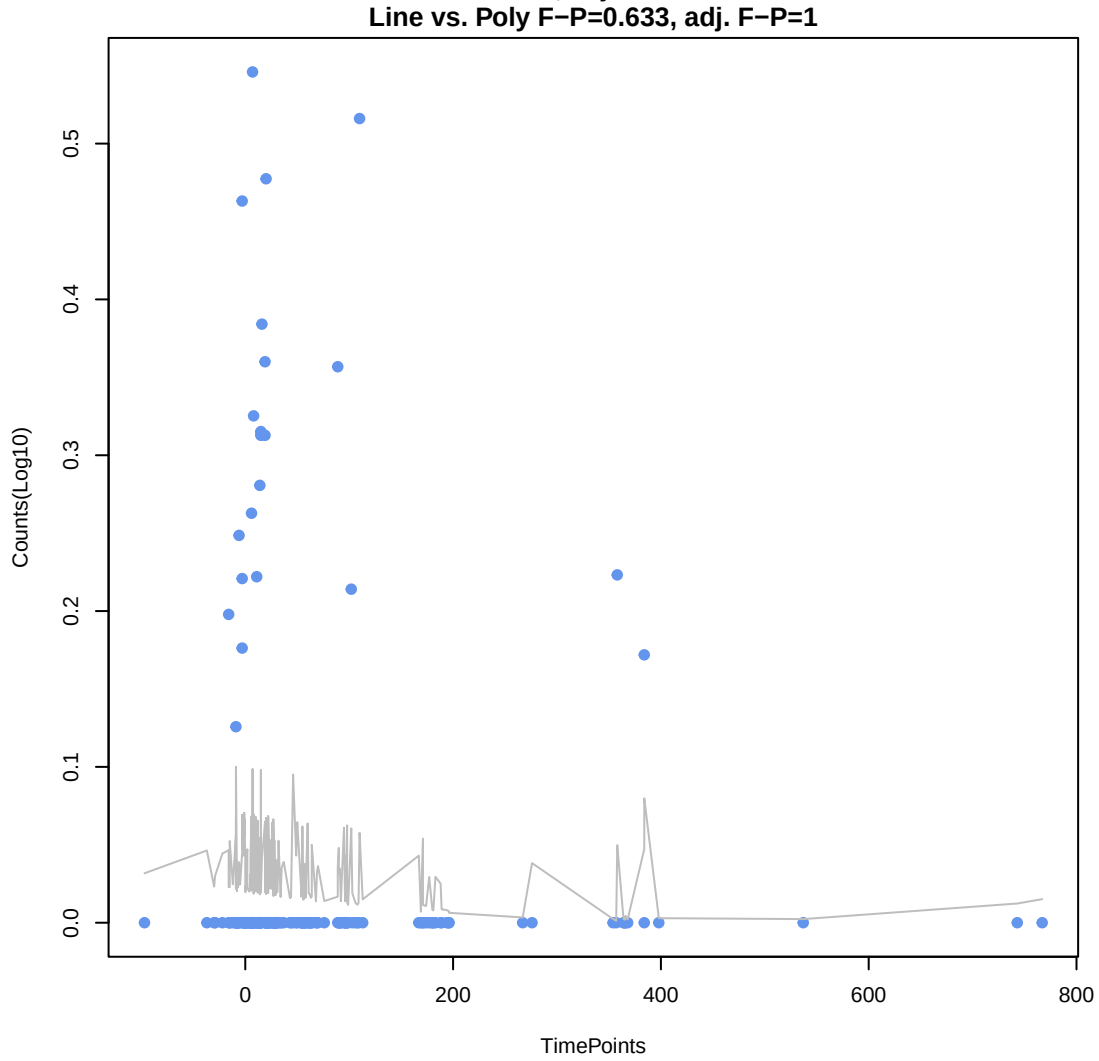

quinolone resistance protein (qnr)
ANOVA P=0.561, adj. ANOVA−P=0.971
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

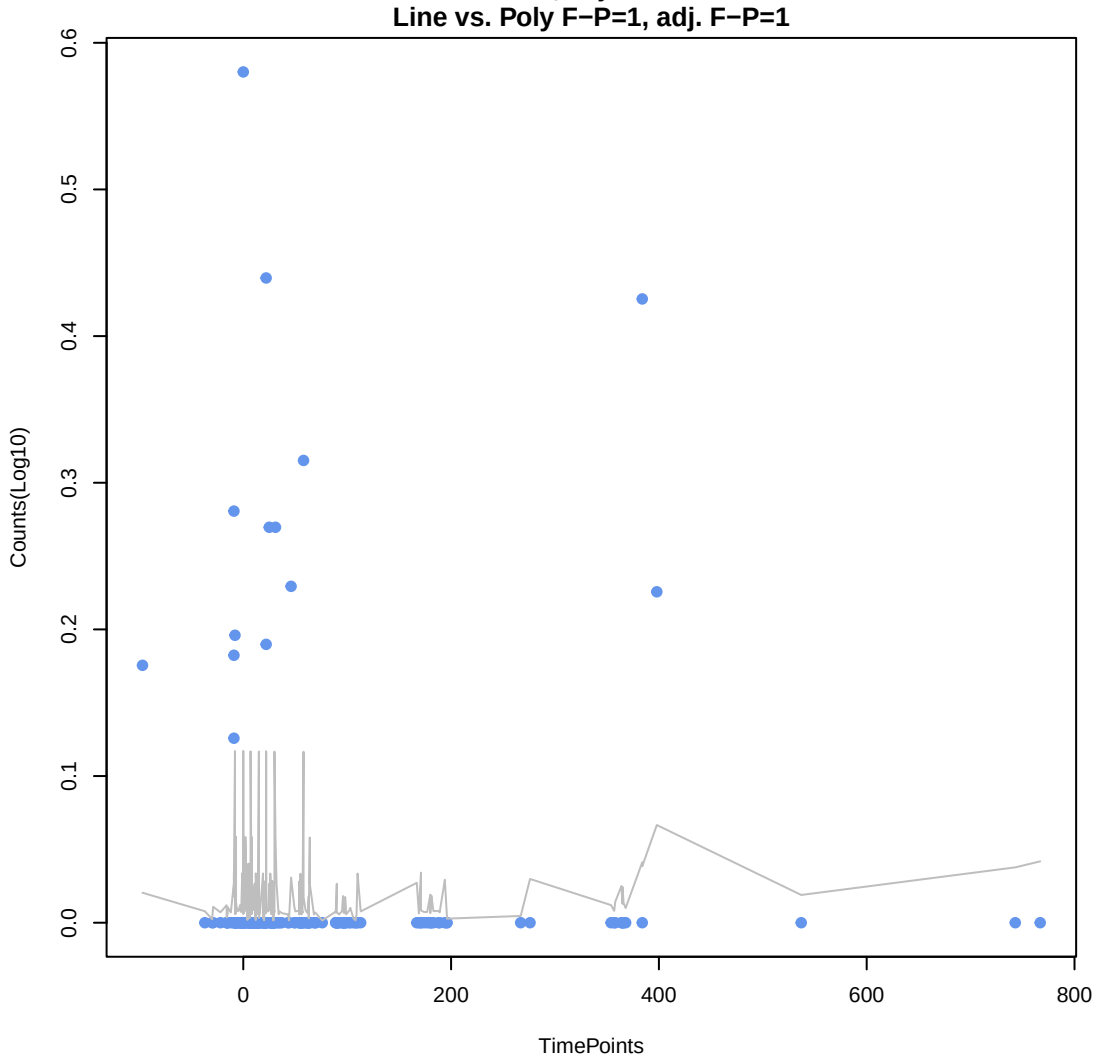

ic efflux pump;major facilitator superfamily (MFS) antibiotic efflux pump;resistance−nodula
ANOVA P=0.572, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.117, adj. F−P=0.894
Counts(Log10)
TimePoints

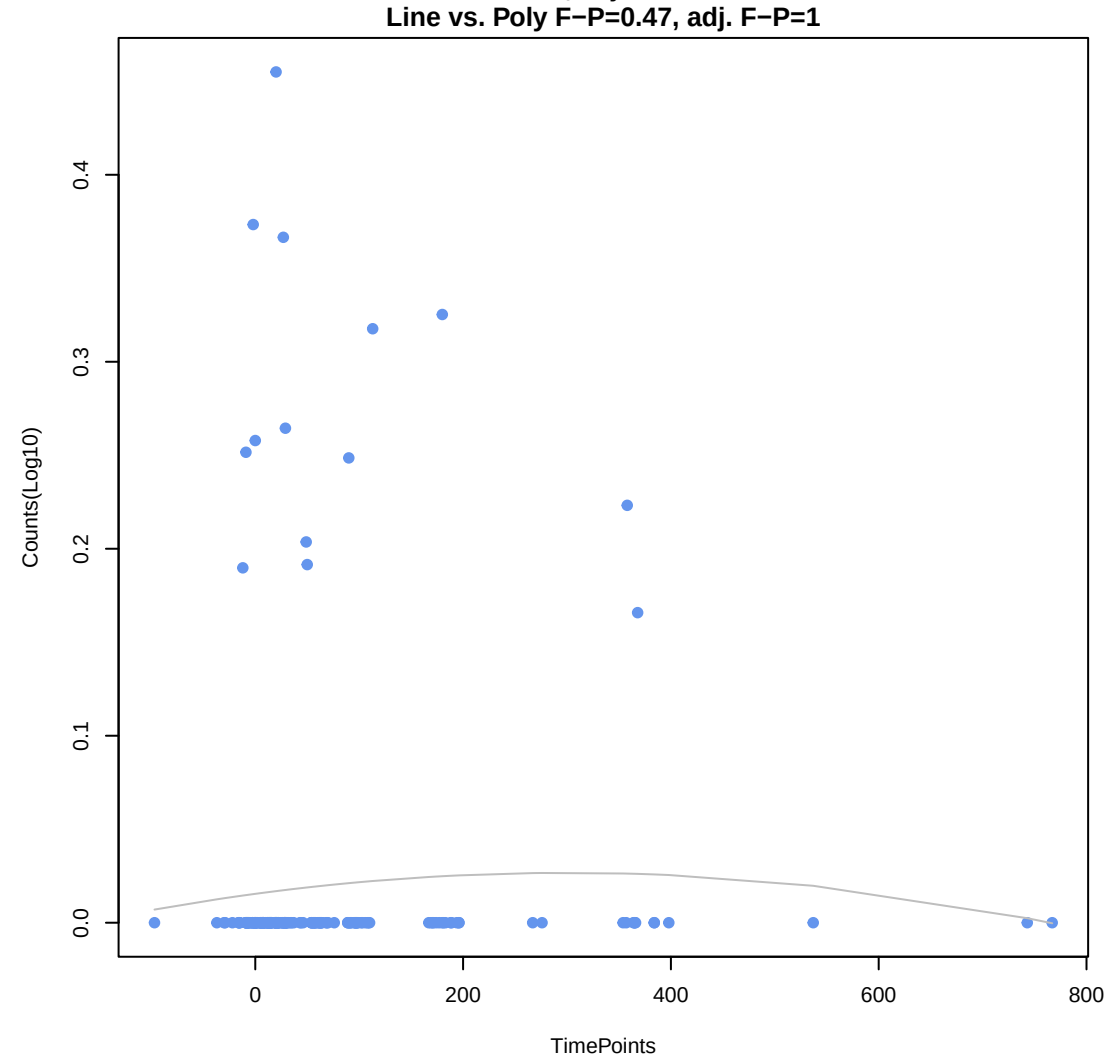

Miscellaneous ABC−F subfamily ATP−binding cassette ribosomal protection protei
ANOVA P=0.621, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.598, adj. F−P=1
Counts(Log10)
TimePoints

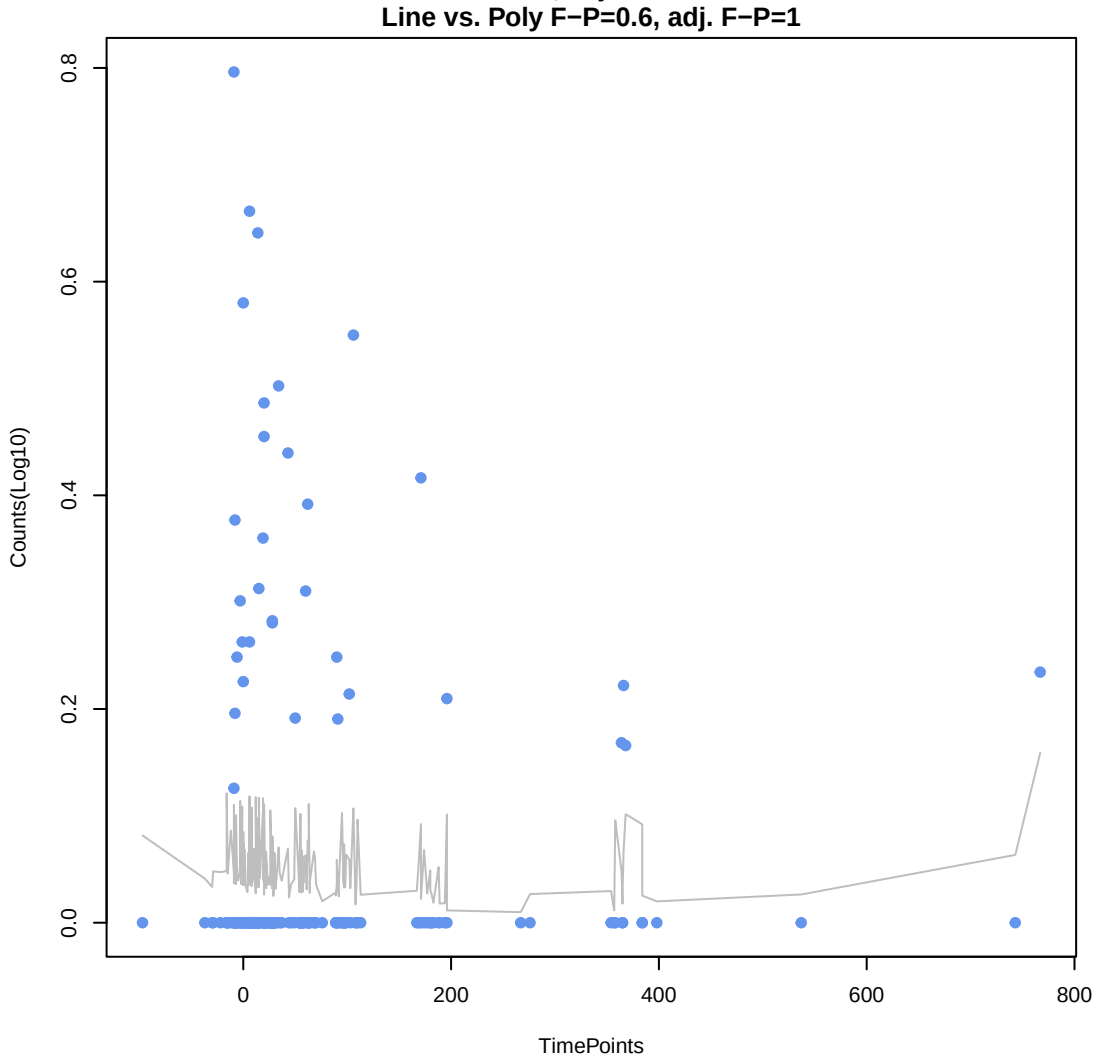

blaS
ANOVA P=0.638, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.626, adj. F−P=1
Counts(Log10)
TimePoints

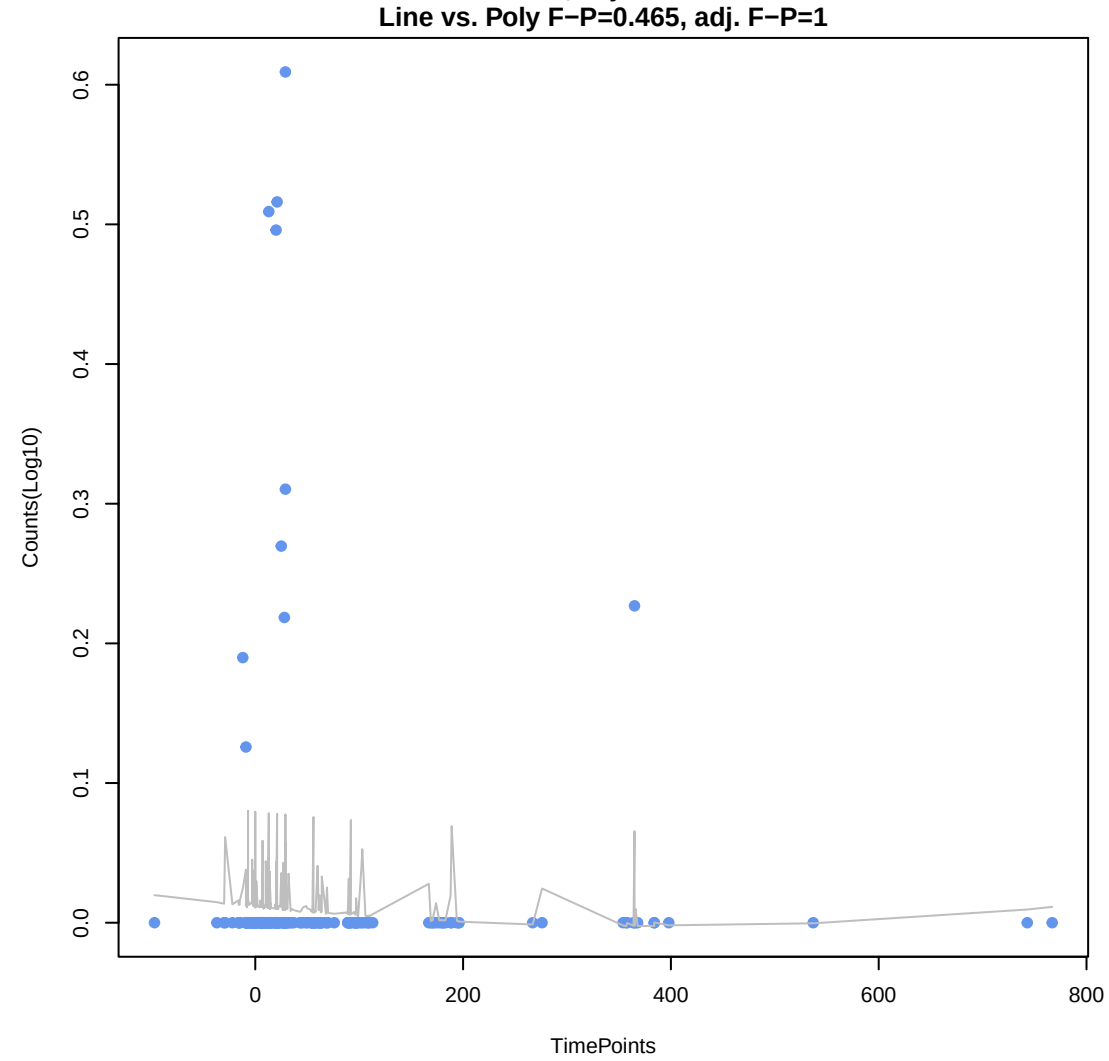

BEL beta−lactamase
ANOVA P=0.652, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.506, adj. F−P=1
Counts(Log10)
TimePoints

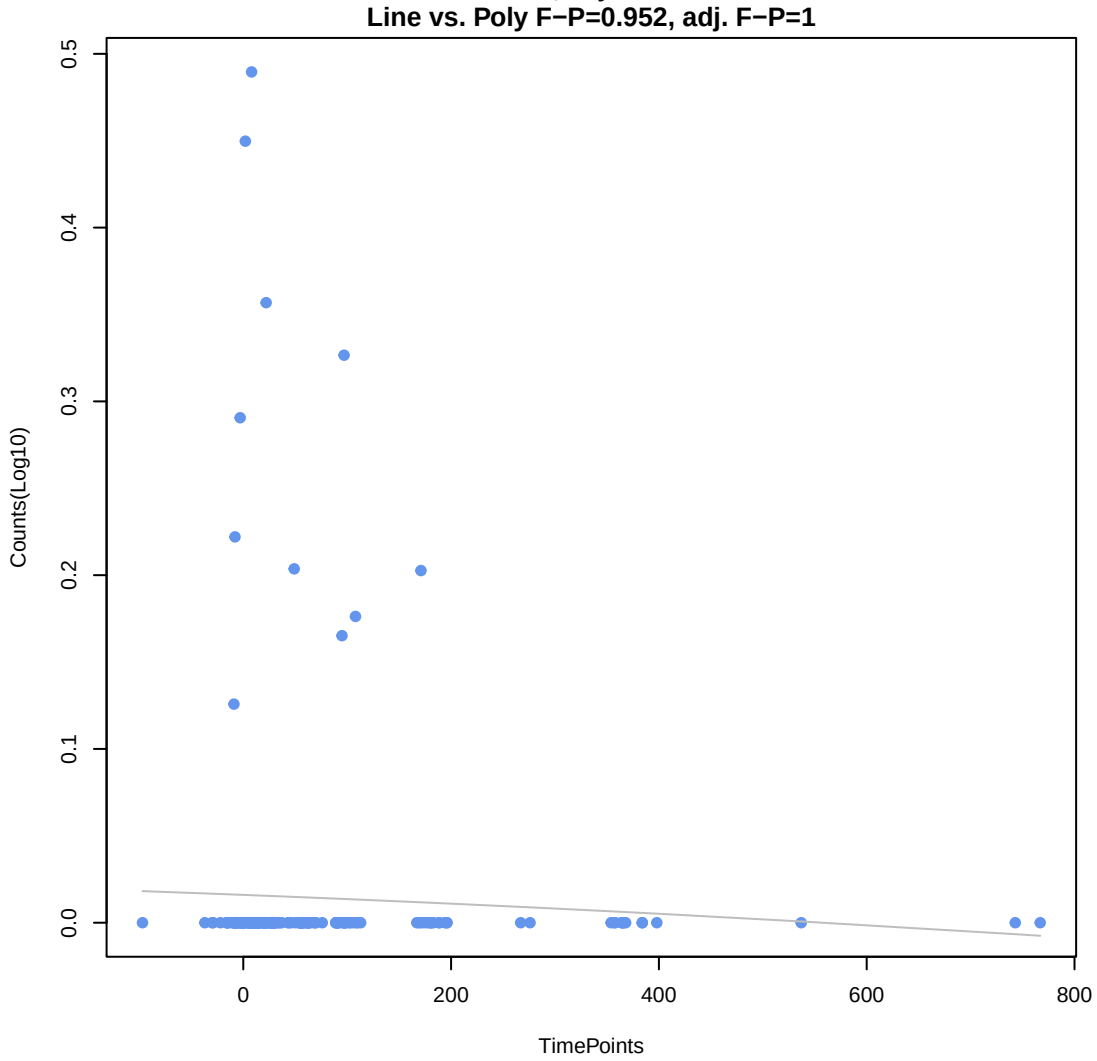

SST beta−lactamase
ANOVA P=0.715, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.633, adj. F−P=1
Counts(Log10)
TimePoints

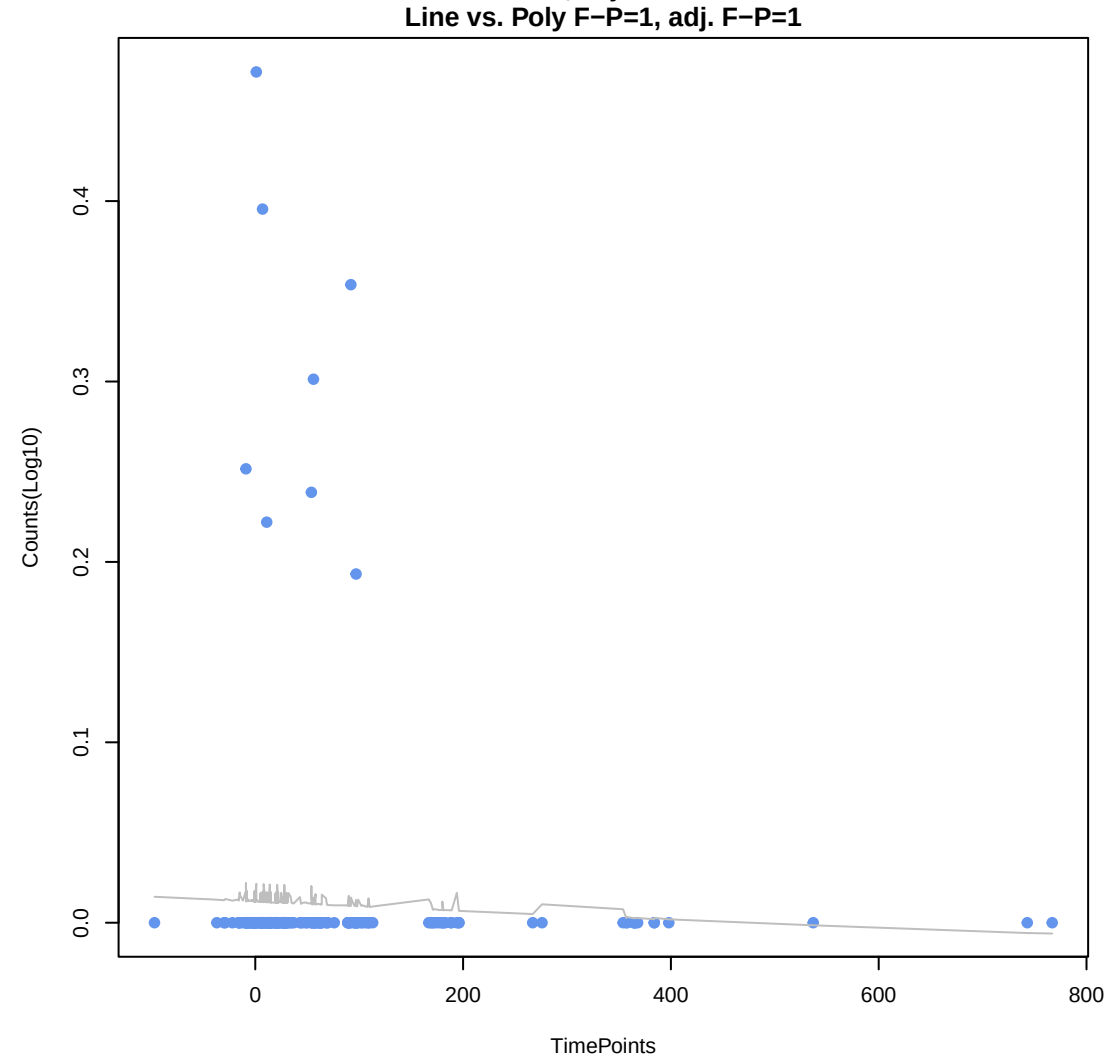

macrolide phosphotransferase (MPH)
ANOVA P=0.726, adj. ANOVA−P=0.971
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

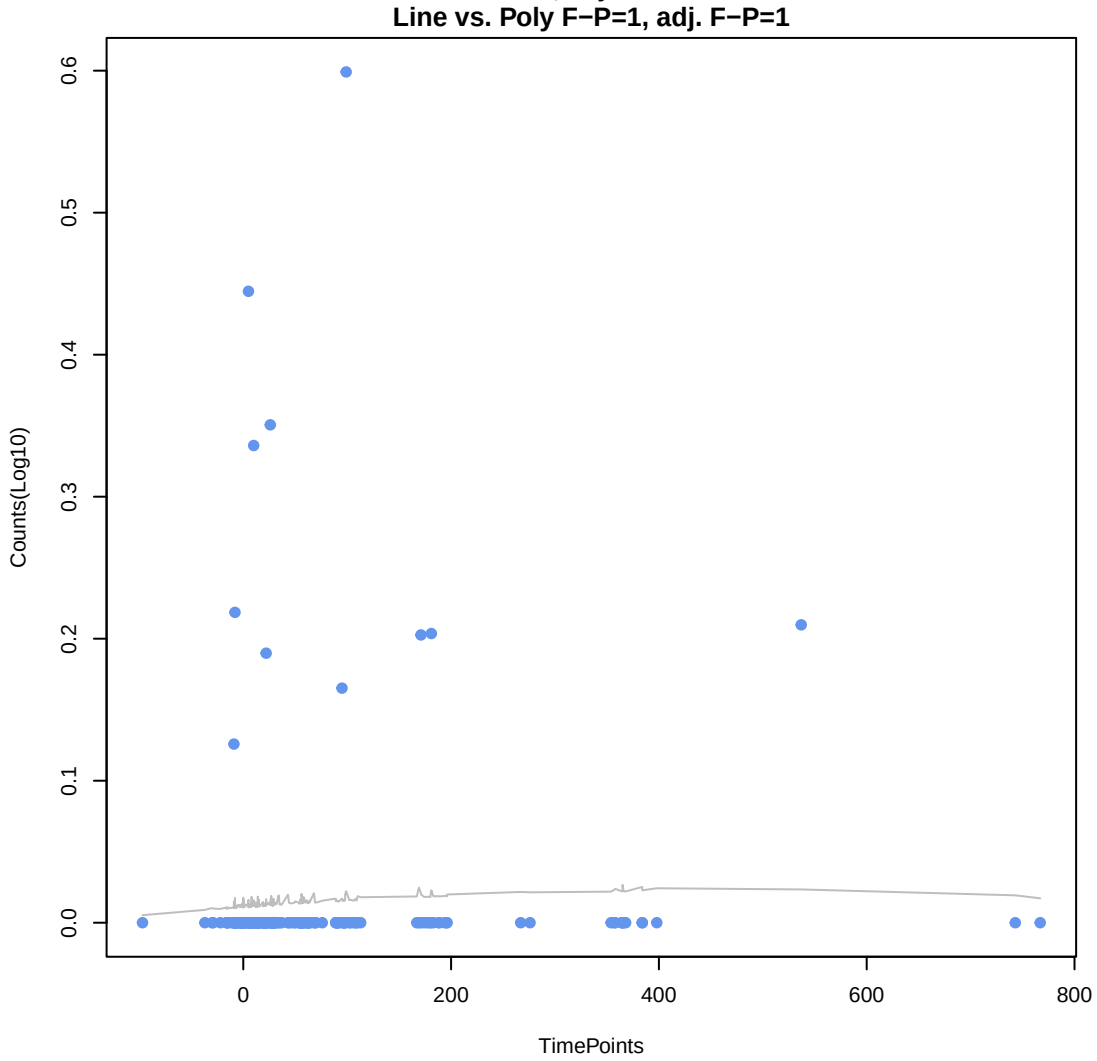

OCH beta−lactamase
ANOVA P=0.731, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.47, adj. F−P=1
Counts(Log10)
TimePoints


ELM beta−lactamase
ANOVA P=0.735, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.6, adj. F−P=1
Counts(Log10)
TimePoints


ANT(3")
ANOVA P=0.757, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.465, adj. F−P=1
Counts(Log10)
TimePoints


16S rRNA methyltransferase (G1405)
ANOVA P=0.767, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.952, adj. F−P=1
Counts(Log10)
TimePoints


ADC beta−lactamases pending classification for carbapenemase activity
ANOVA P=0.786, adj. ANOVA−P=0.971
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


CAM beta−lactamase
ANOVA P=0.792, adj. ANOVA−P=0.971
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
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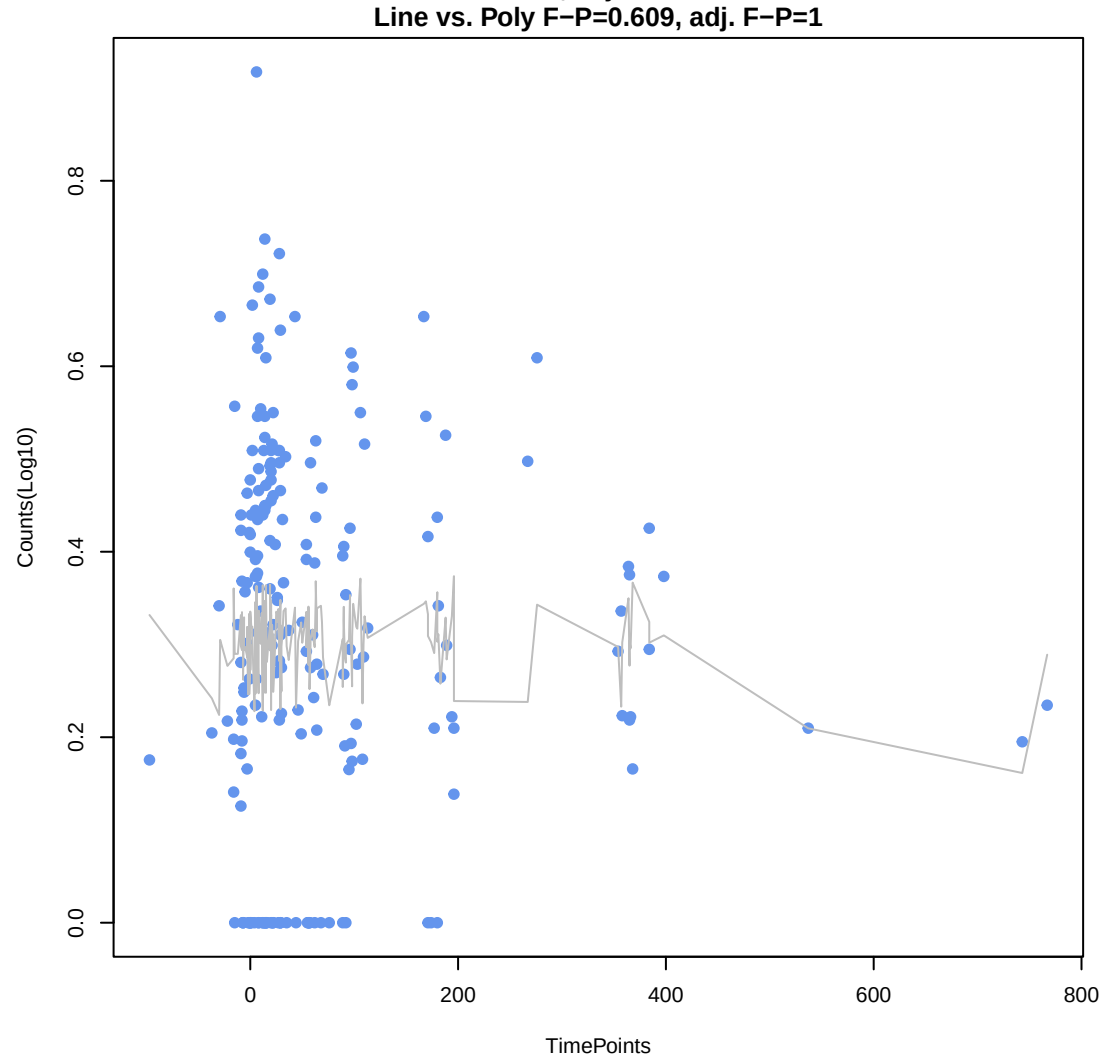
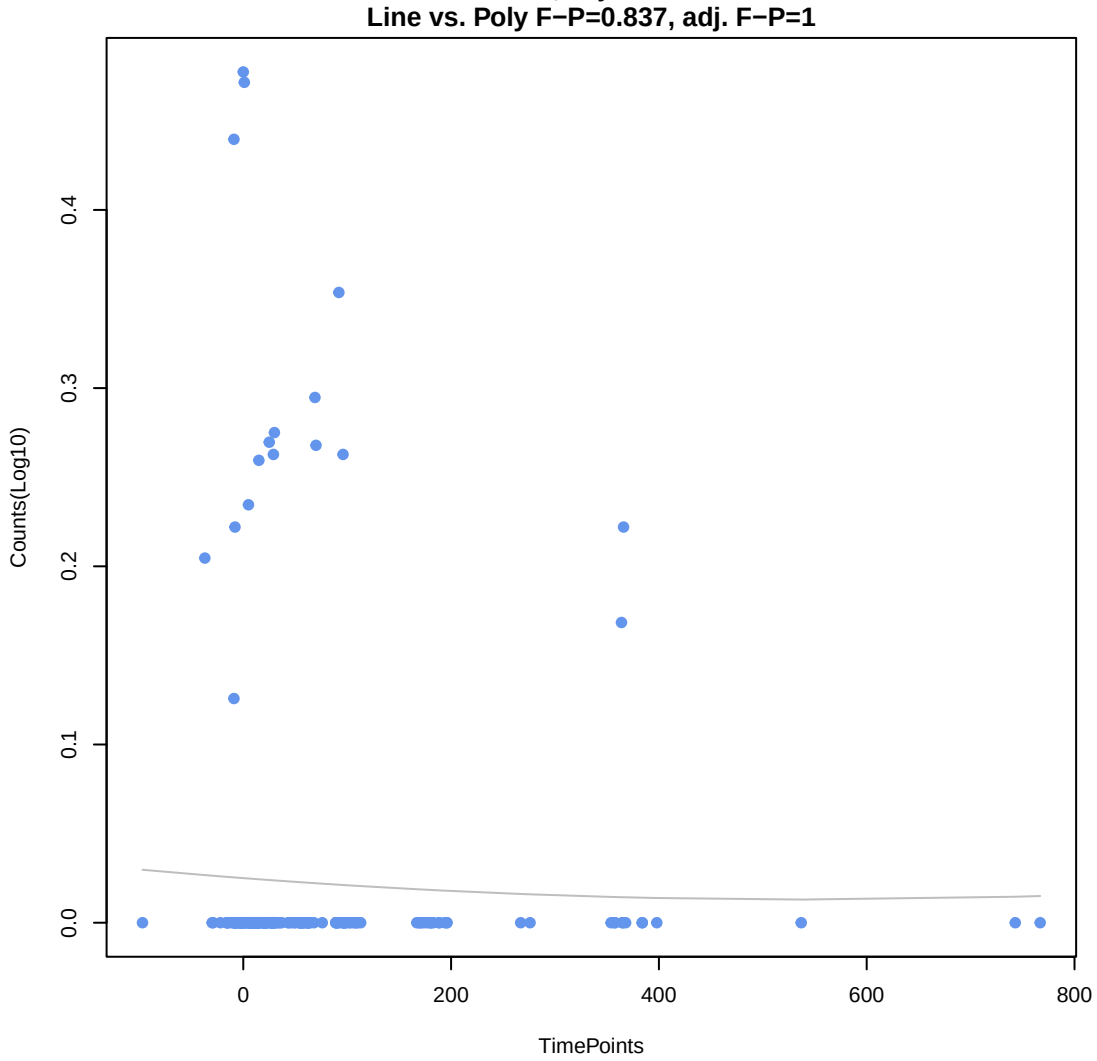
0.1
0.2
0.3
0.4
0.5
0.6
0
200
400
600
800
TimePoints


ANT(6)
ANOVA P=0.841, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.609, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
0
200
400
600
800
TimePoints


IND beta−lactamase
ANOVA P=0.862, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.837, adj. F−P=1
Counts(Log10)
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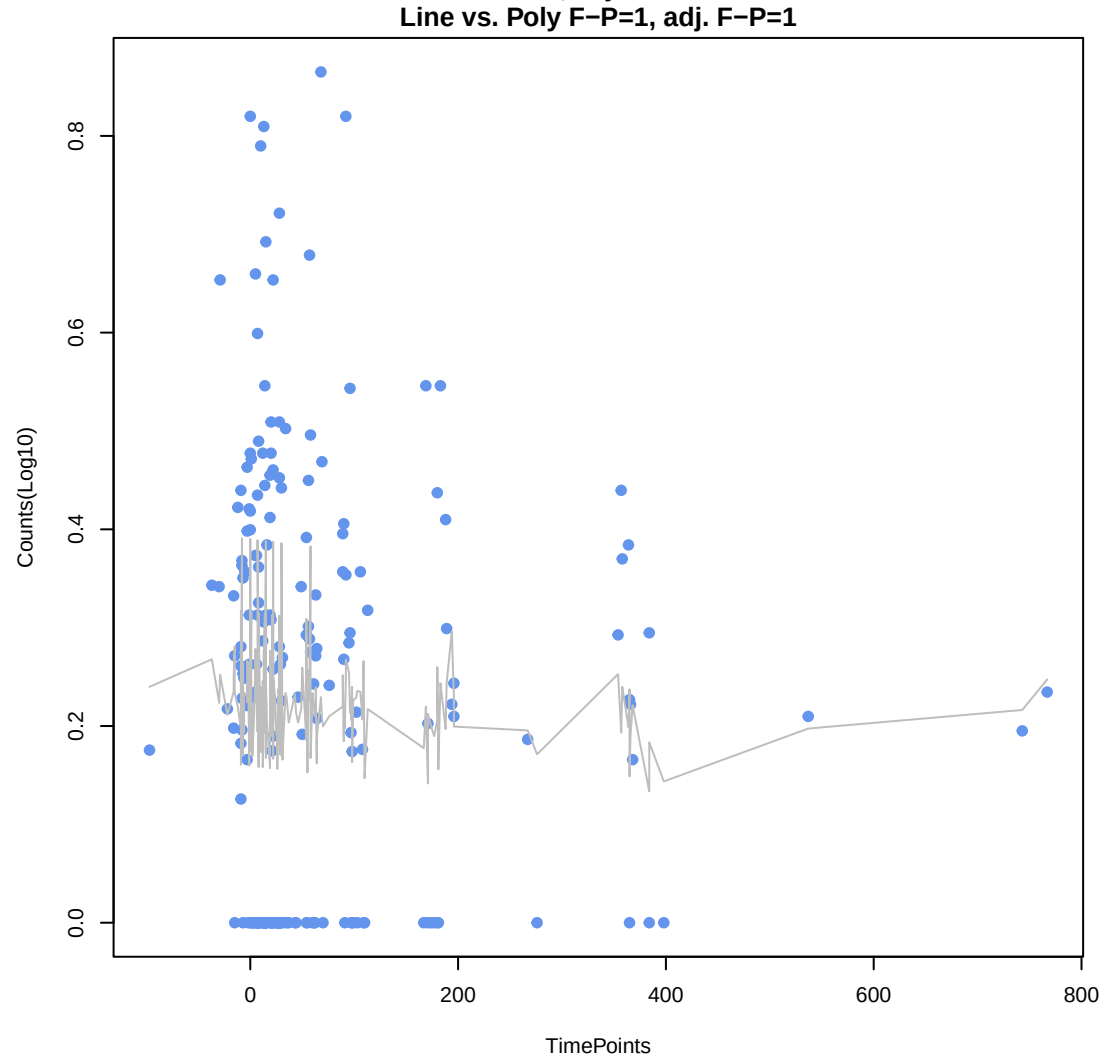
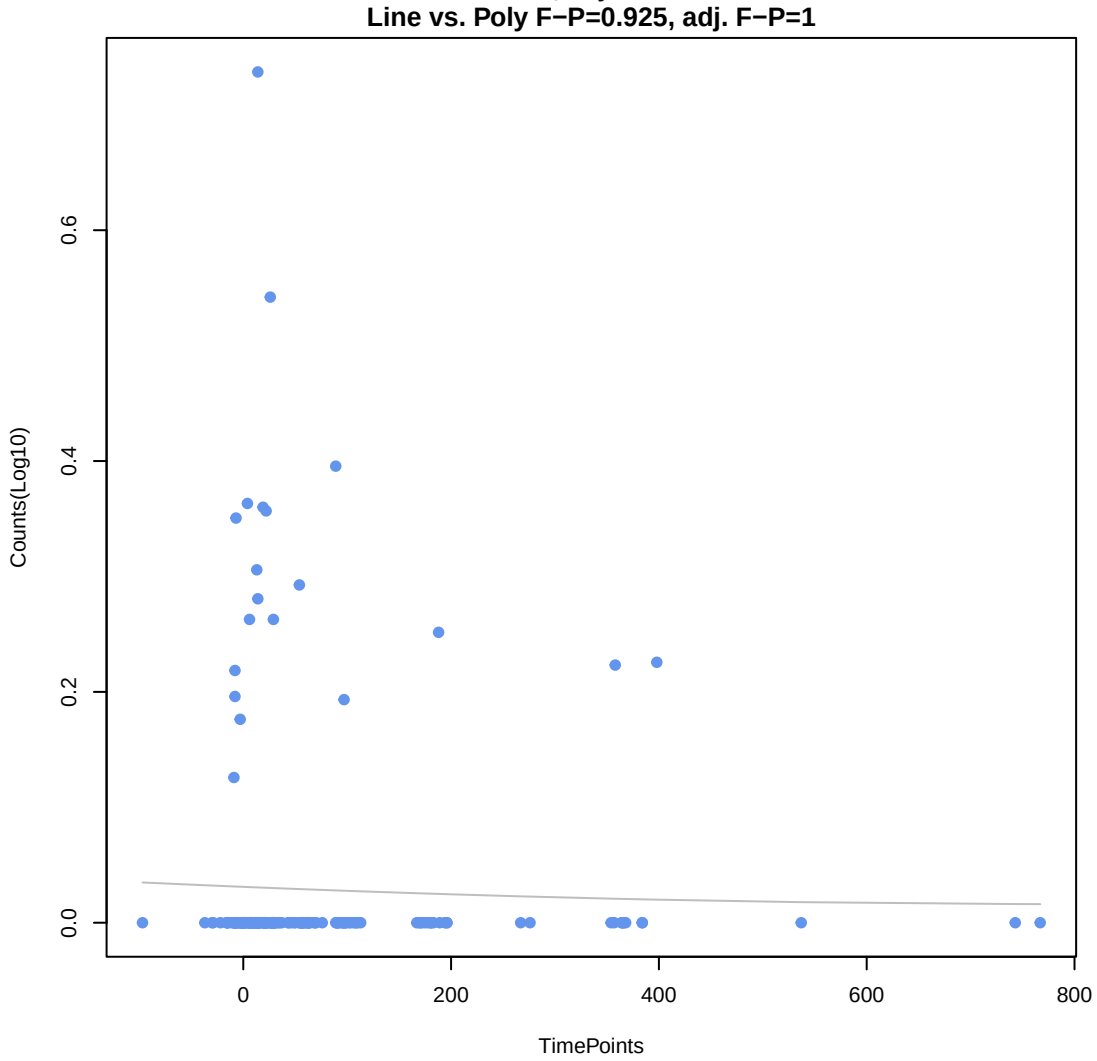
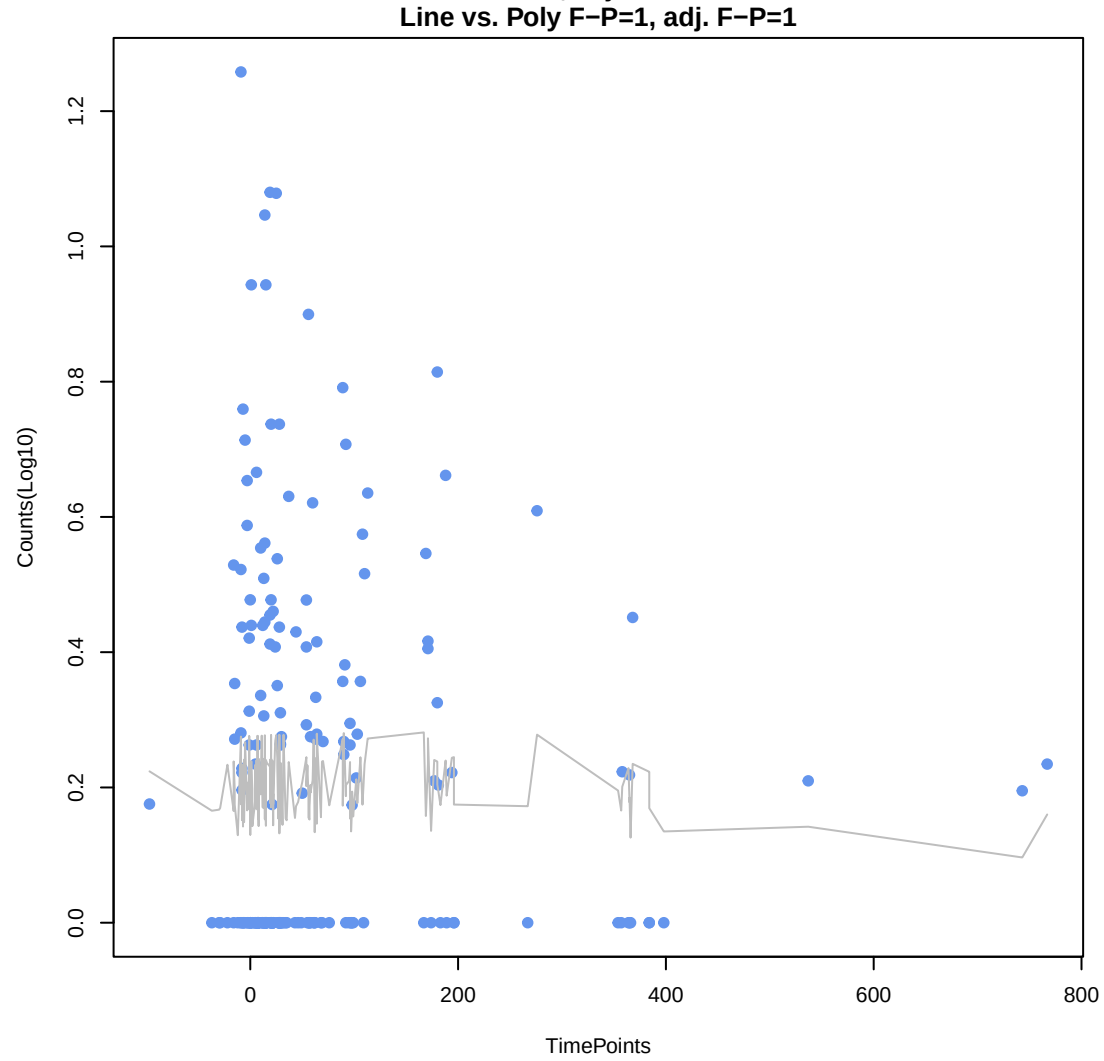
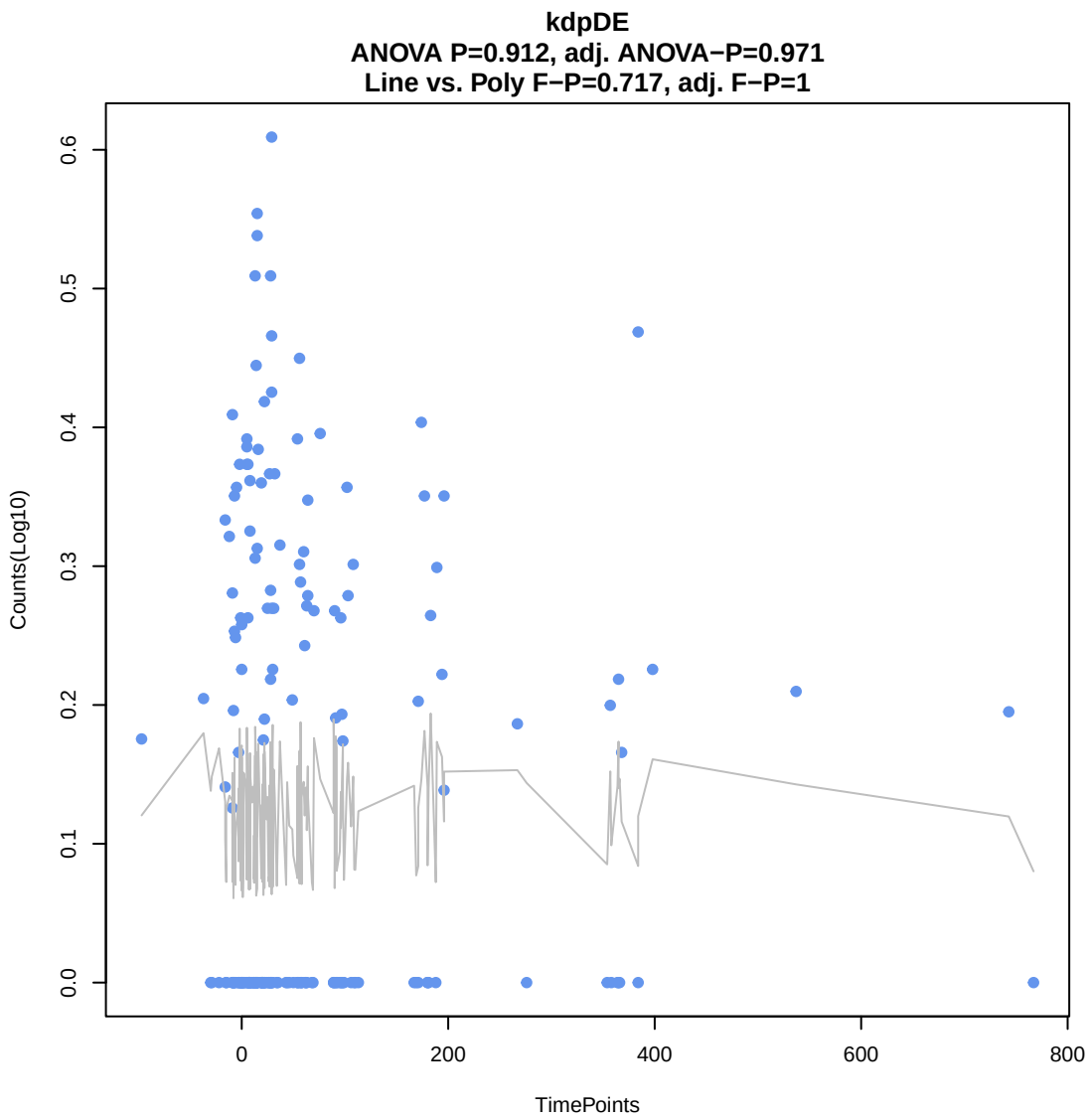
0.1
0.2
0.3
0.4
0
200
400
600
800
TimePoints


lincosamide nucleotidyltransferase (LNU)
ANOVA P=0.864, adj. ANOVA−P=0.971
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


SRT beta−lactamase
ANOVA P=0.902, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.925, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0
200
400
600
800
TimePoints


OXA beta−lactamase
ANOVA P=0.909, adj. ANOVA−P=0.971
Line vs. Poly F−P=1, 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


kdpDE
ANOVA P=0.912, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.717, adj. F−P=1
Counts(Log10)
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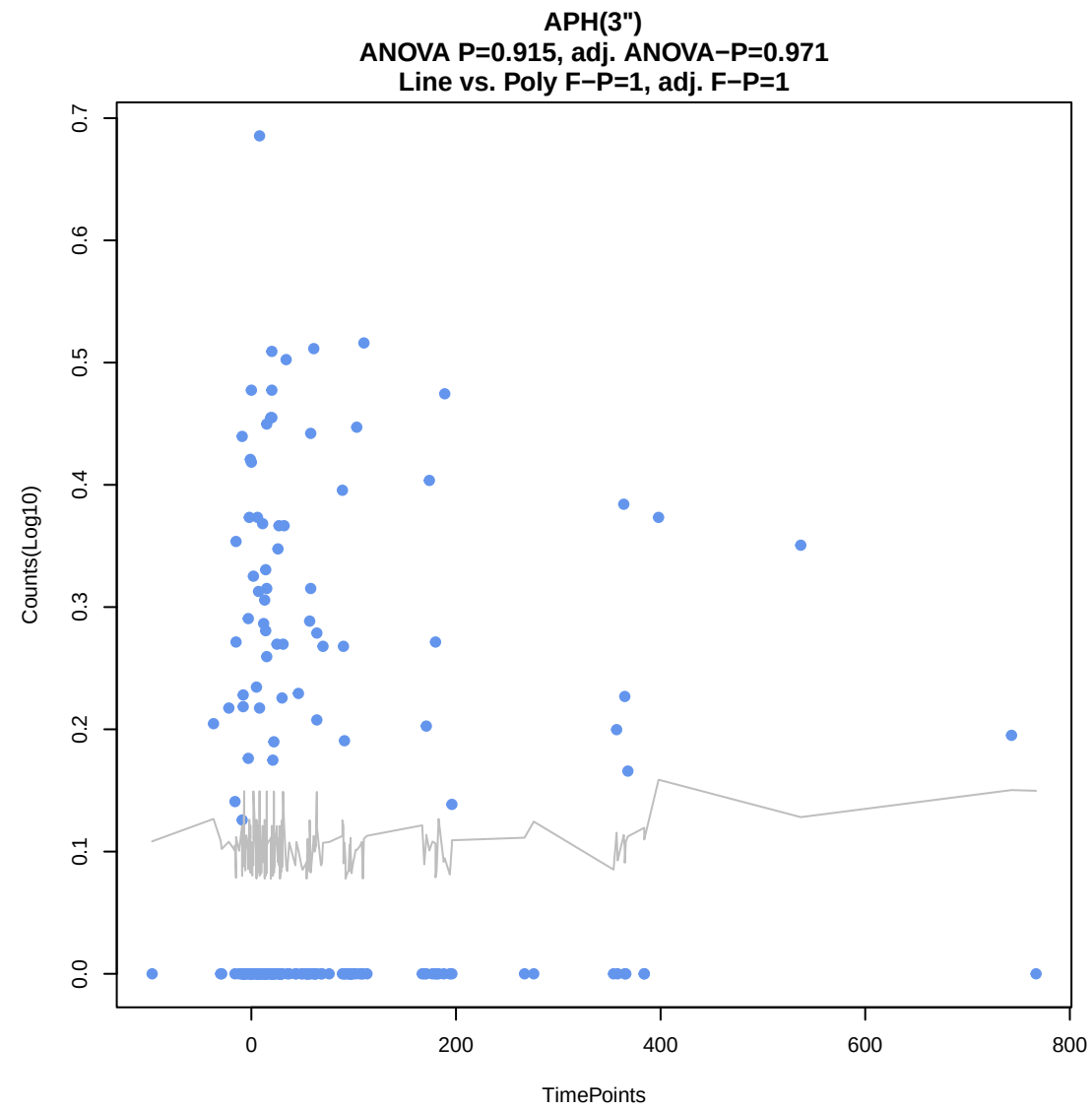
0.1
0.2
0.3
0.4
0.5
0.6
0
200
400
600
800
TimePoints


APH(3")
ANOVA P=0.915, adj. ANOVA−P=0.971
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
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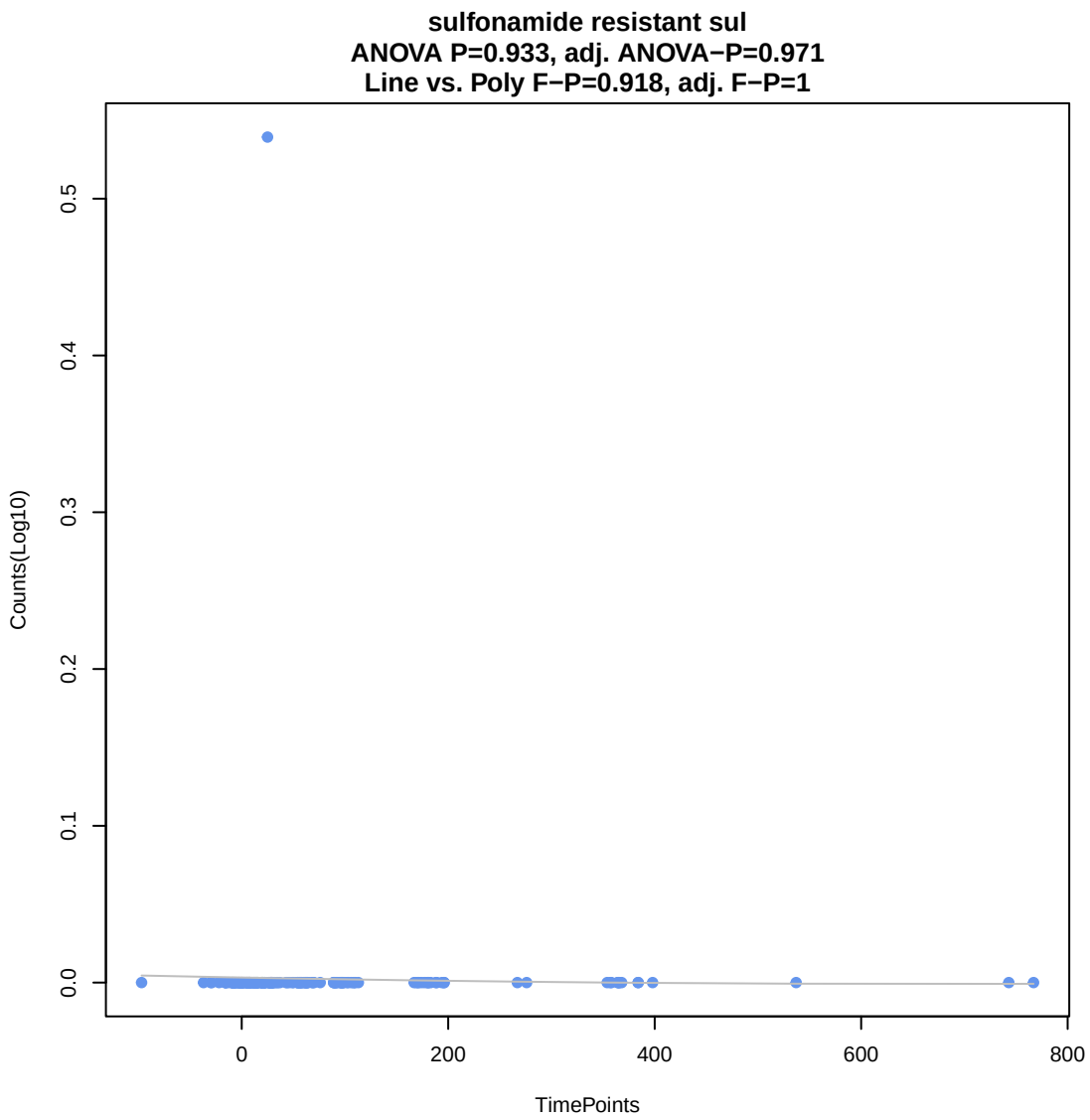
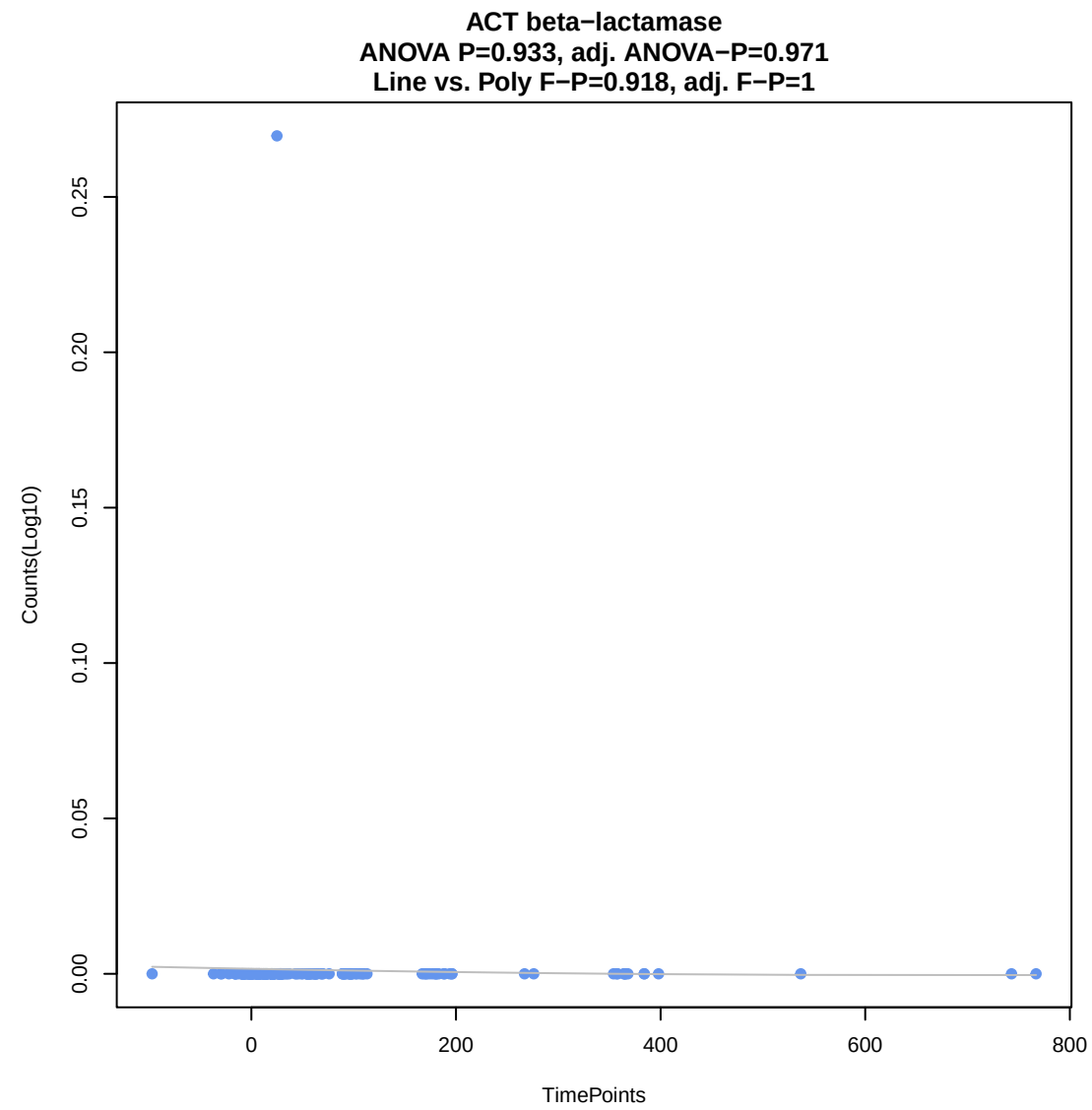
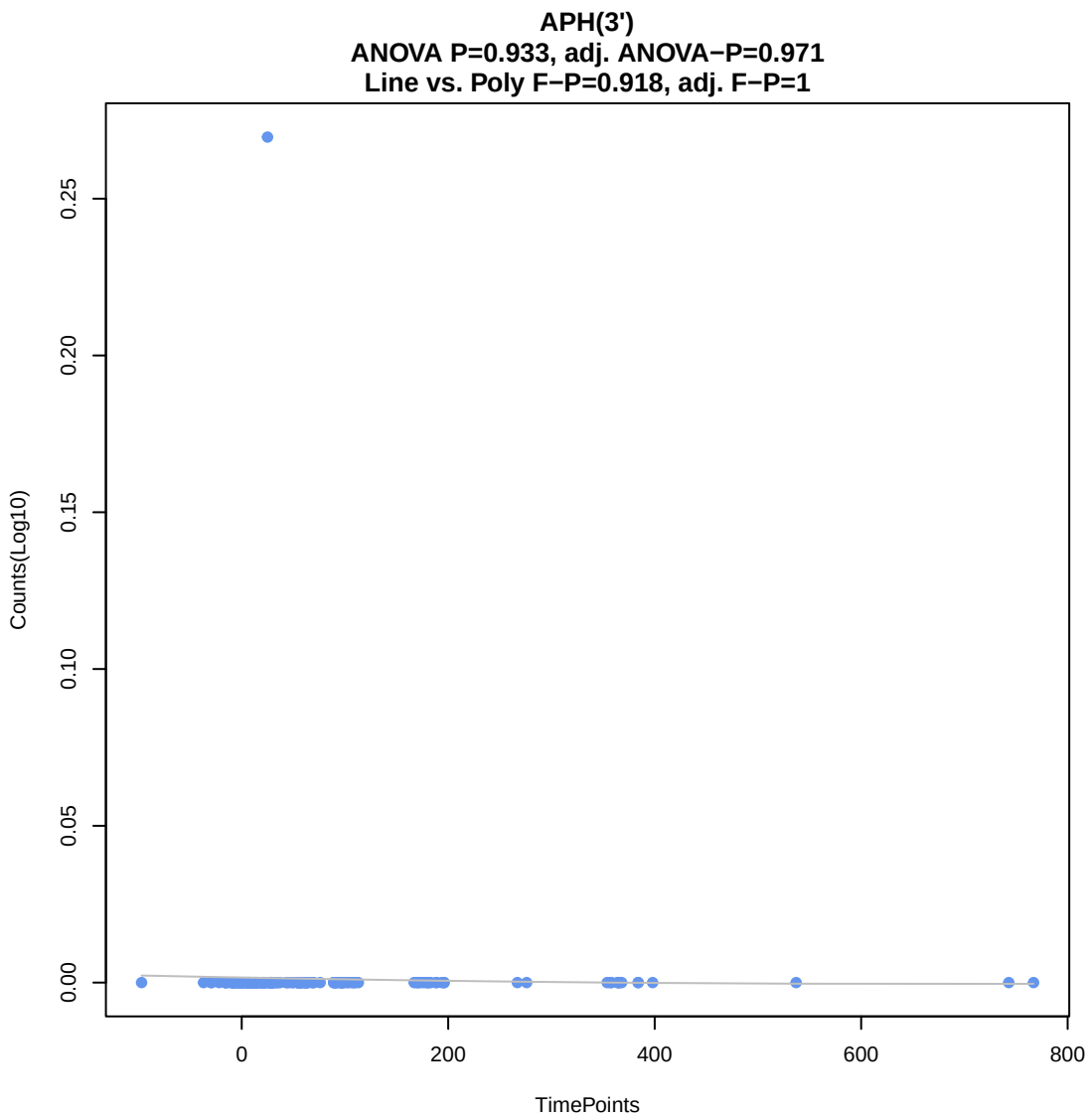
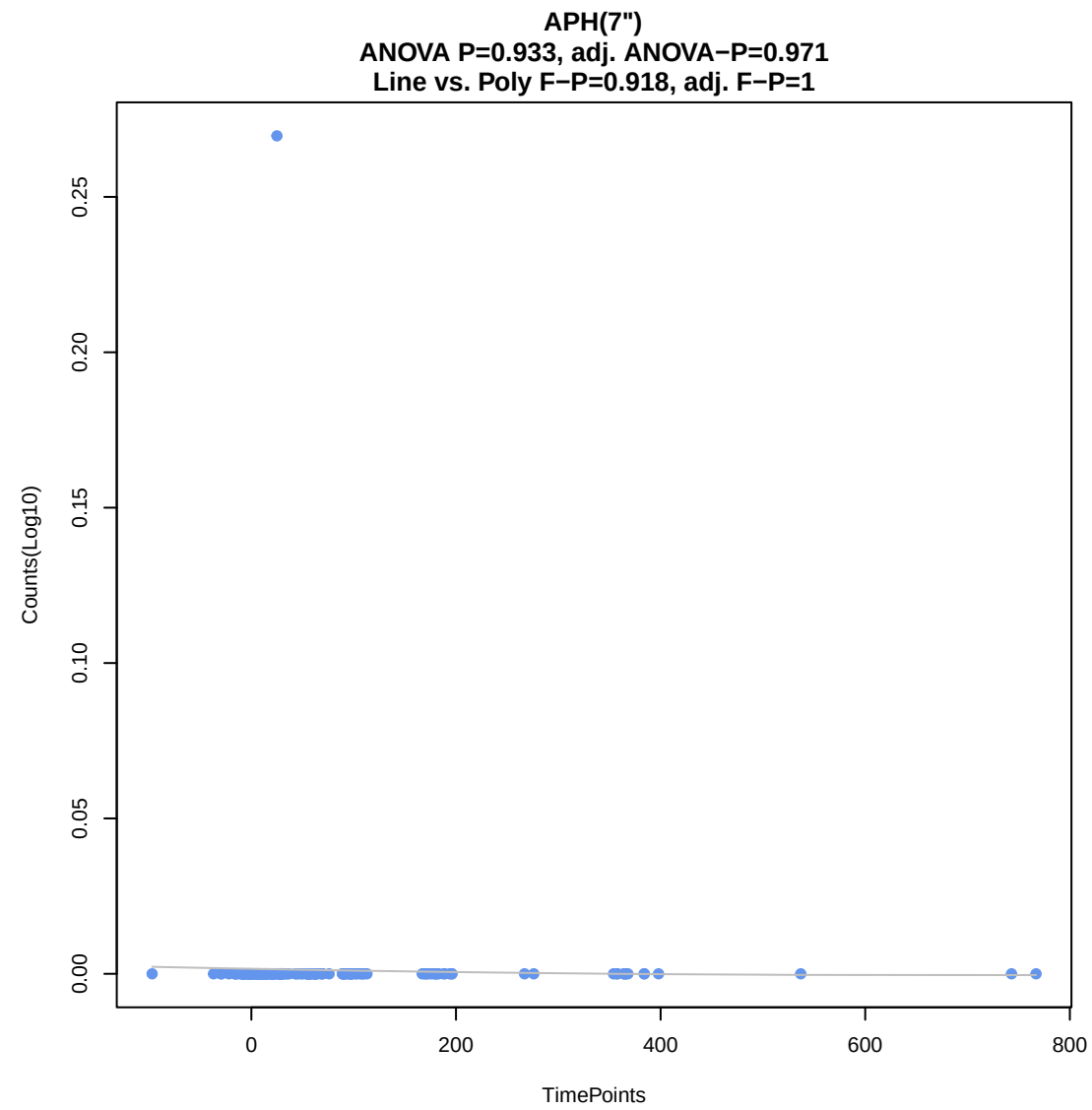
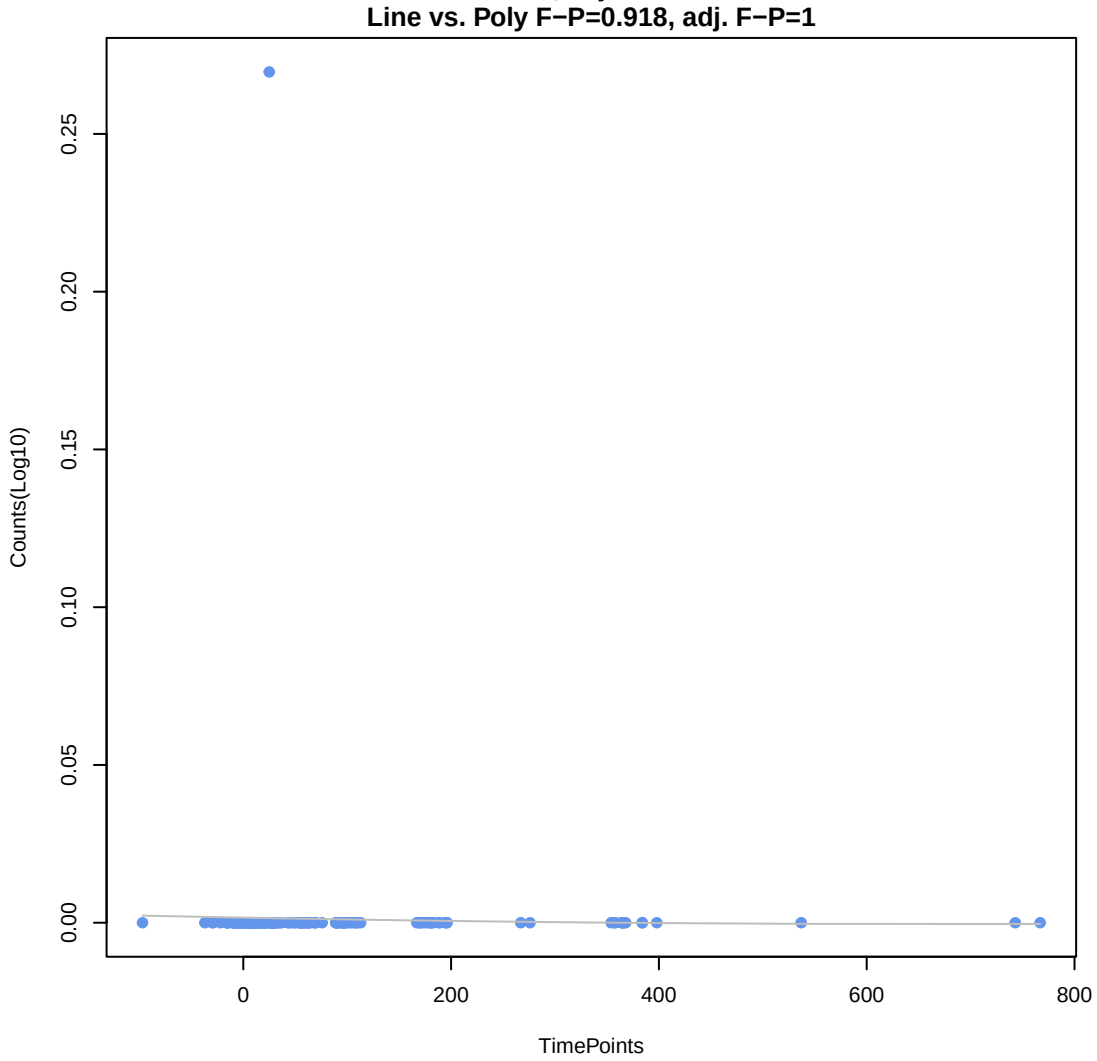
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
200
400
600
800
TimePoints

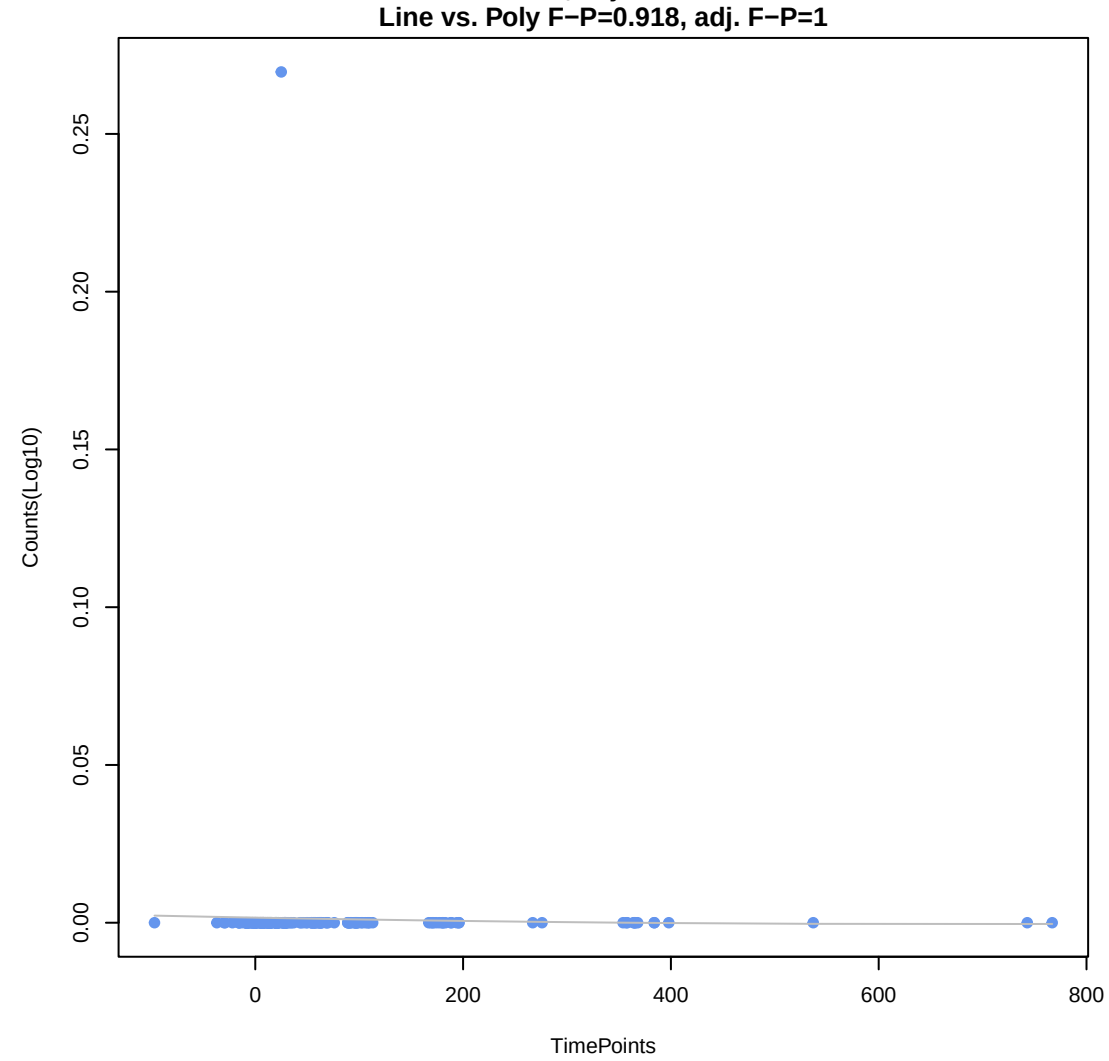

sulfonamide resistant sul
ANOVA P=0.933, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.918, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0.5
0
200
400
600
800
TimePoints

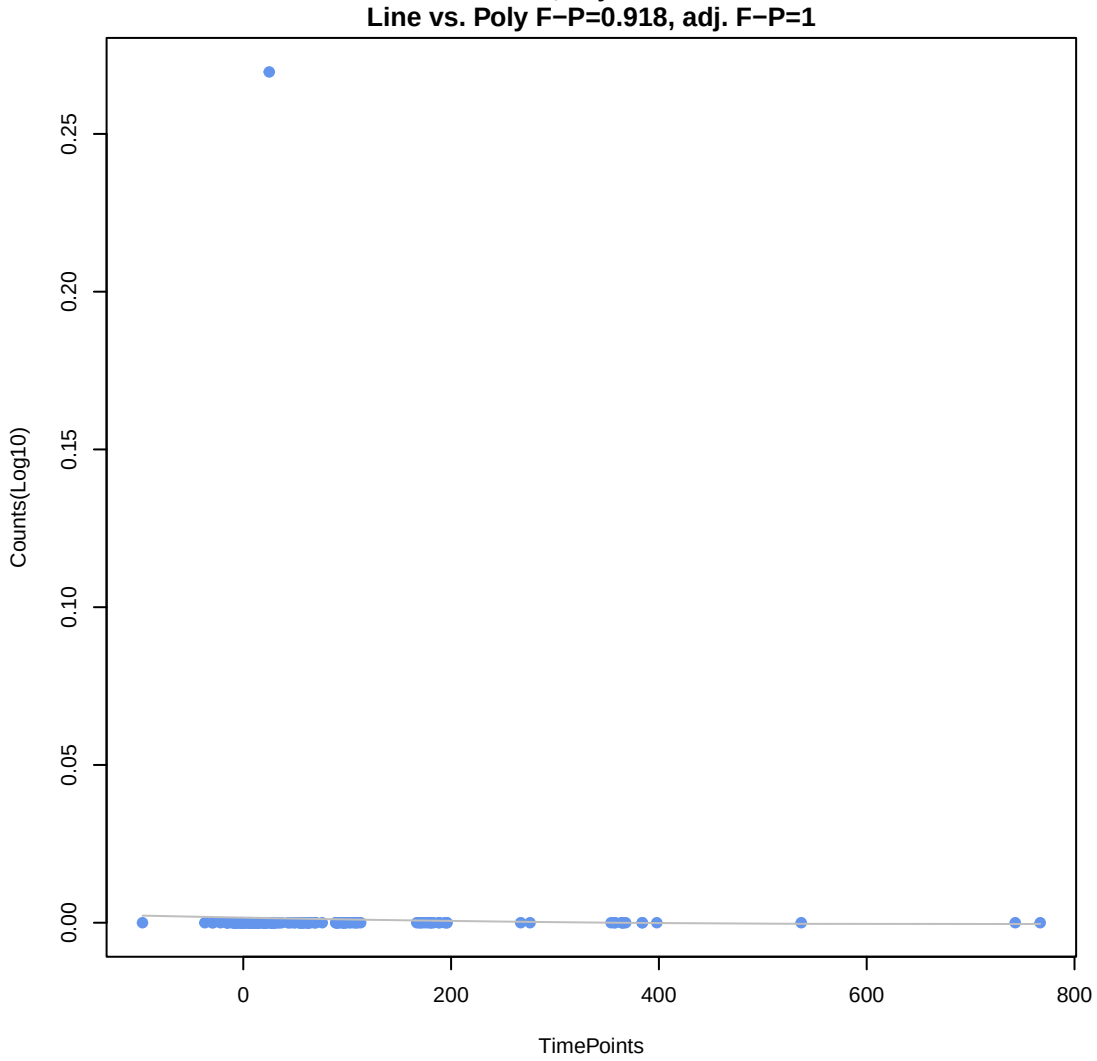

ACT beta−lactamase
ANOVA P=0.933, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.918, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints

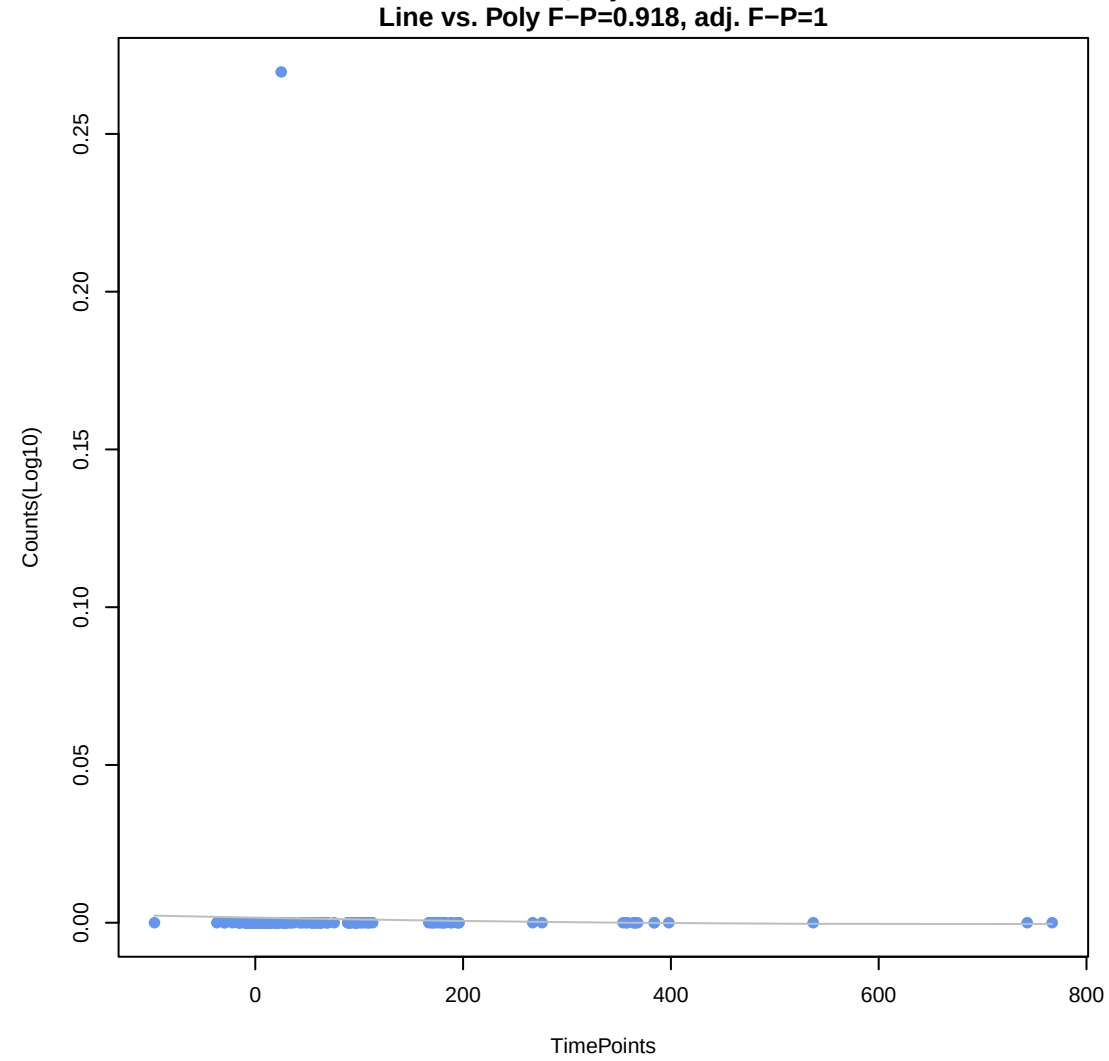

APH(3')
ANOVA P=0.933, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.918, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints

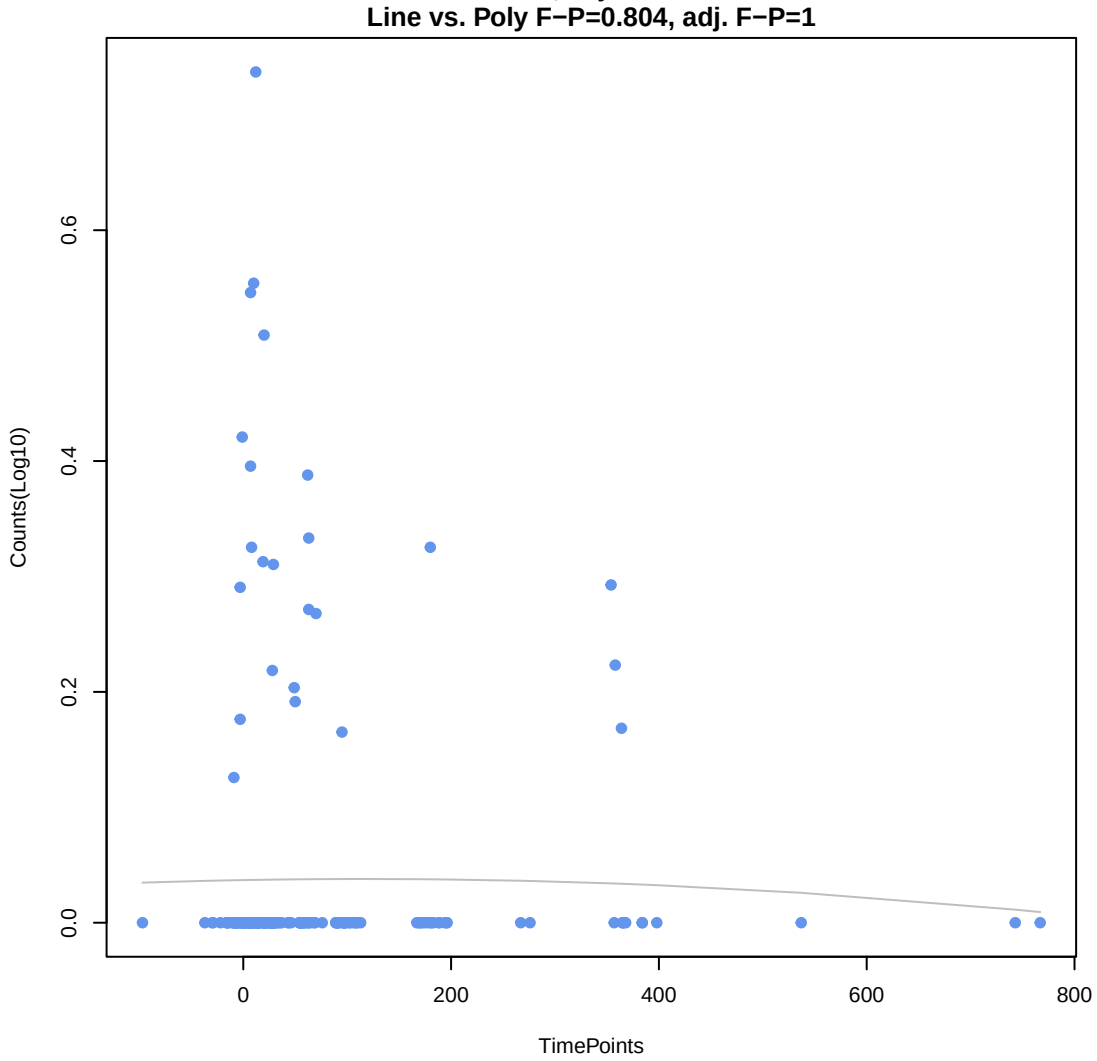

APH(7")
ANOVA P=0.933, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.918, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints

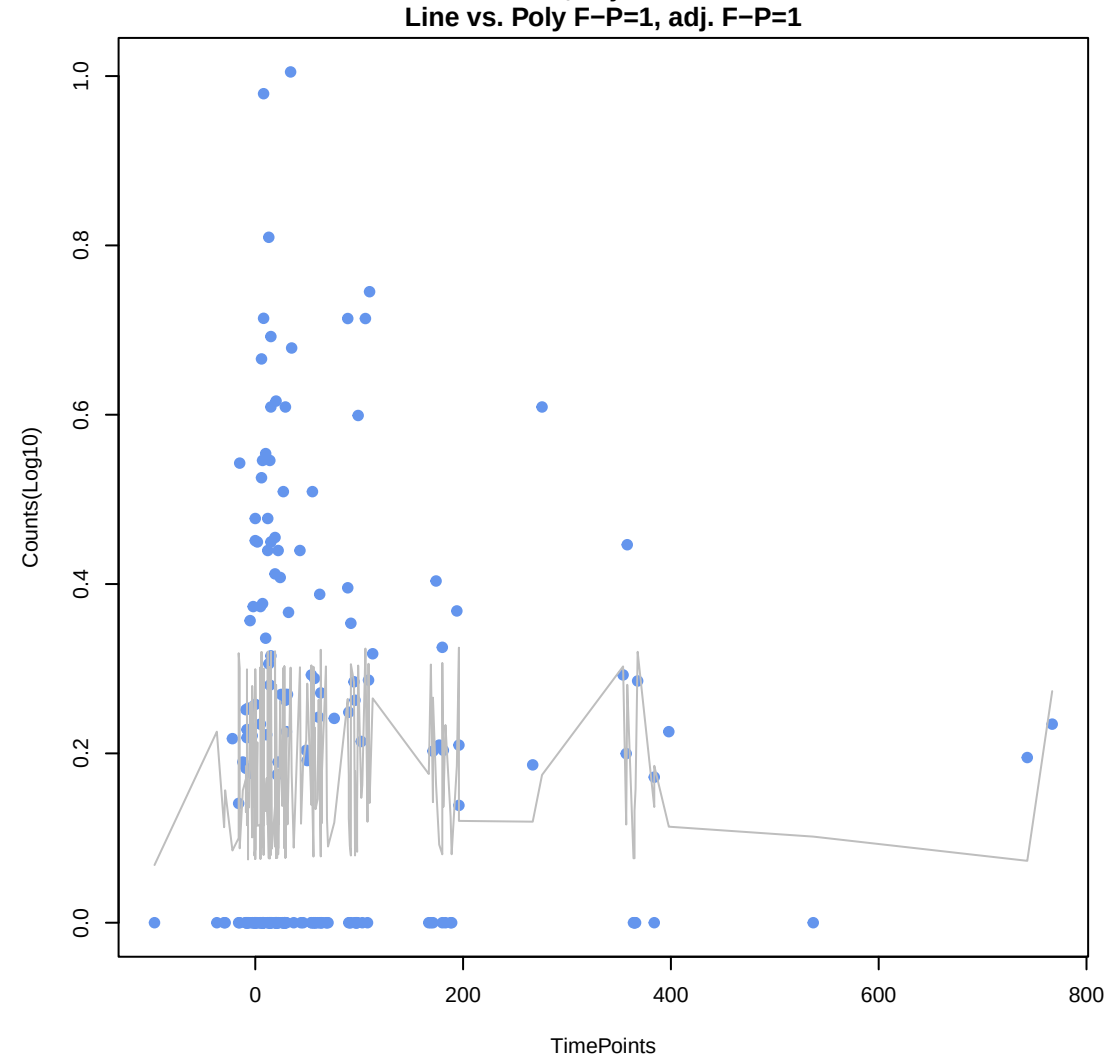

BlaZ beta−lactamase
ANOVA P=0.933, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.918, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints

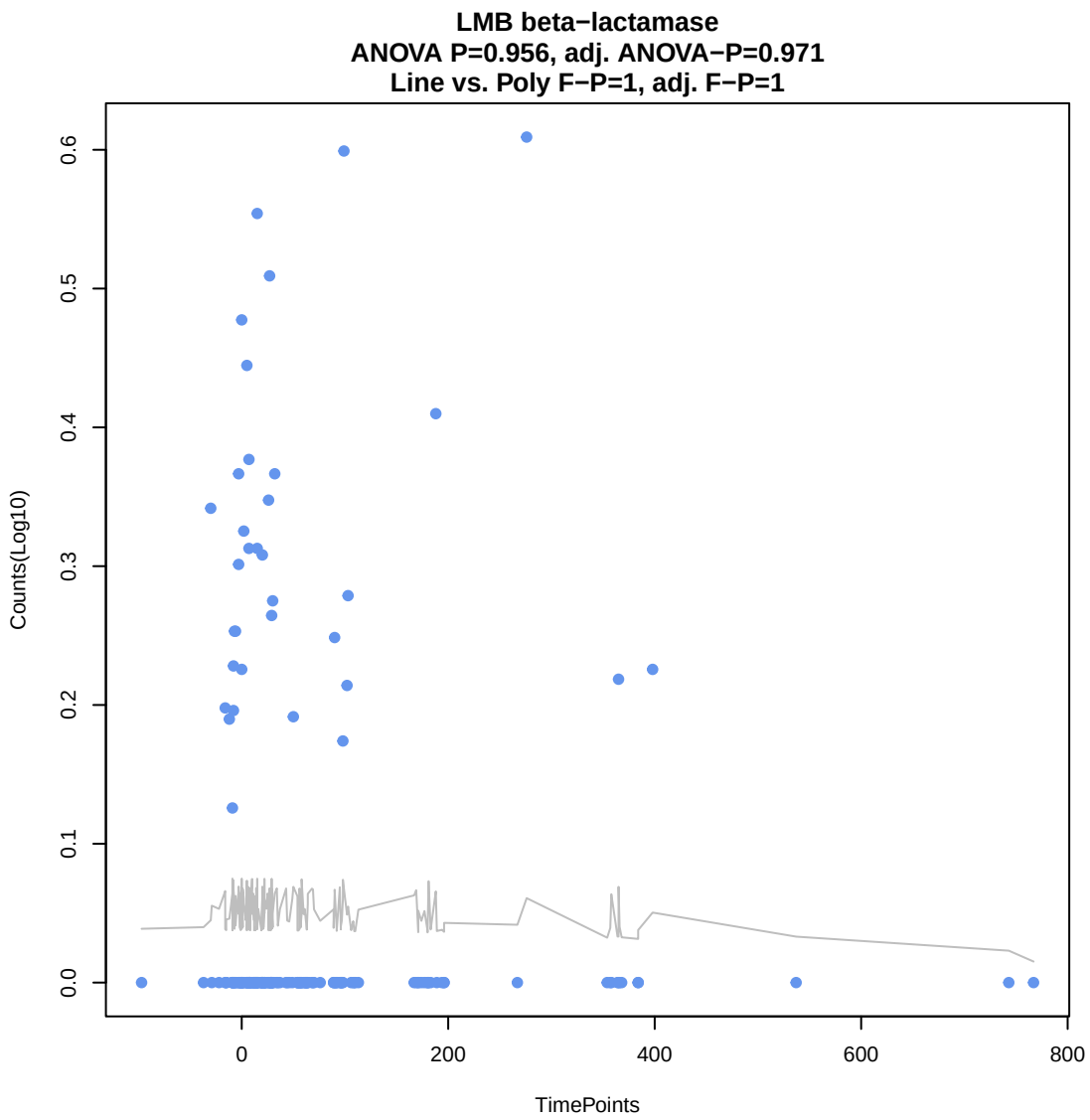

macrolide esterase
ANOVA P=0.933, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.918, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints

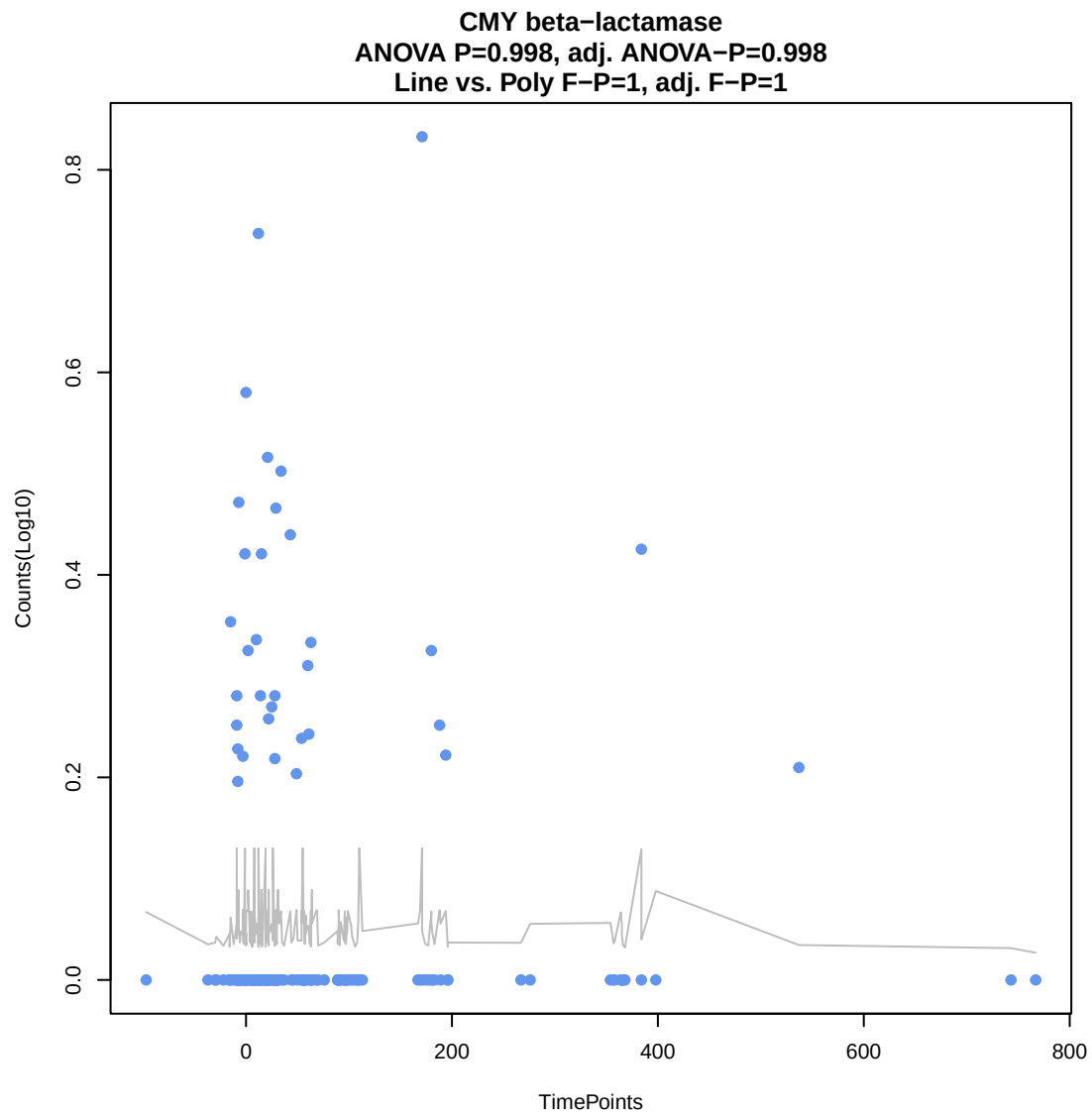

small multidrug resistance (SMR) antibiotic efflux pump
ANOVA P=0.933, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.918, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints


TEM beta−lactamase
ANOVA P=0.933, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.918, adj. F−P=1
Counts(Log10)
0.00
0.05
0.10
0.15
0.20
0.25
0
200
400
600
800
TimePoints


SFH beta−lactamase
ANOVA P=0.936, adj. ANOVA−P=0.971
Line vs. Poly F−P=0.804, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0
200
400
600
800
TimePoints


CfxA beta−lactamase
ANOVA P=0.945, adj. ANOVA−P=0.971
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


LMB beta−lactamase
ANOVA P=0.956, adj. ANOVA−P=0.971
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
200
400
600
800
TimePoints


CMY beta−lactamase
ANOVA P=0.998, adj. ANOVA−P=0.998
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