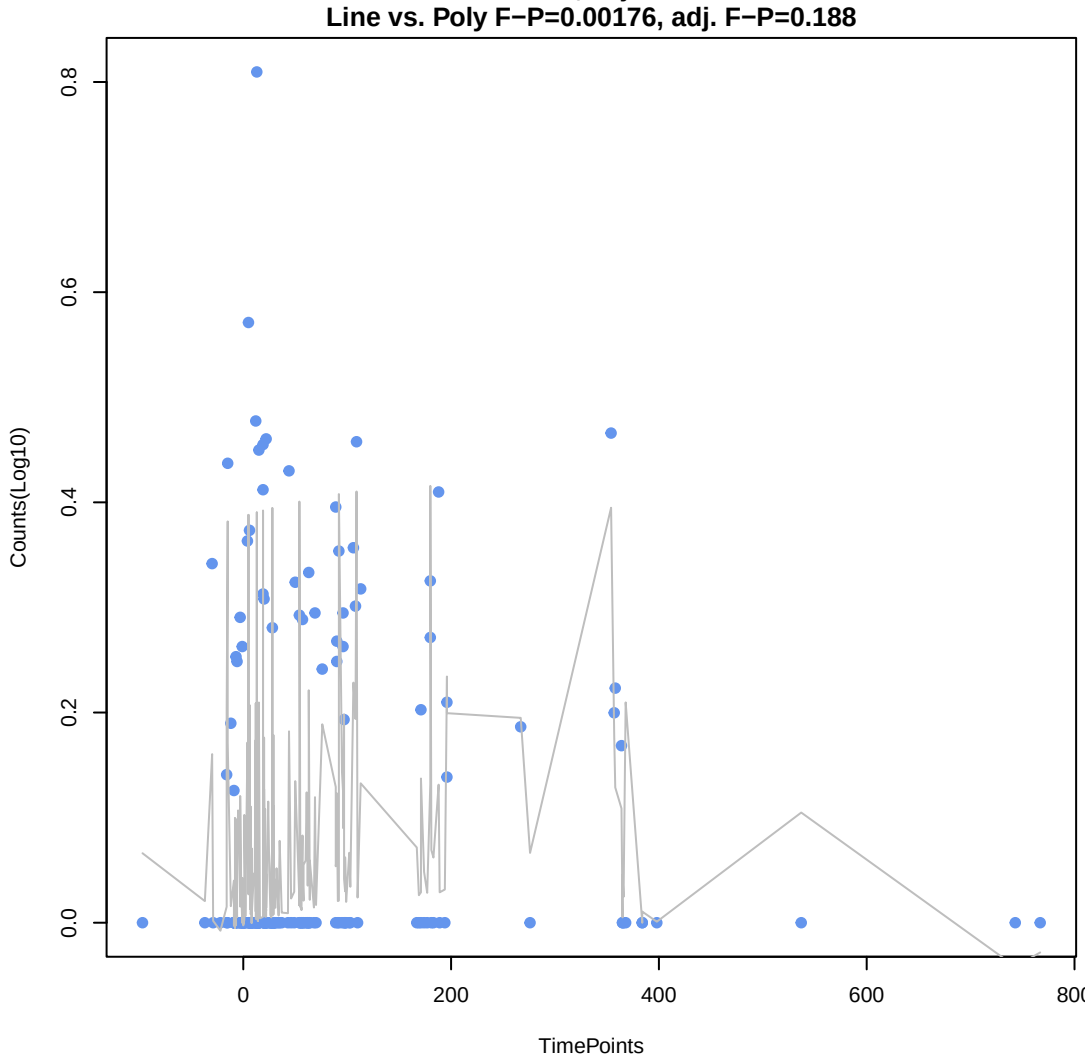
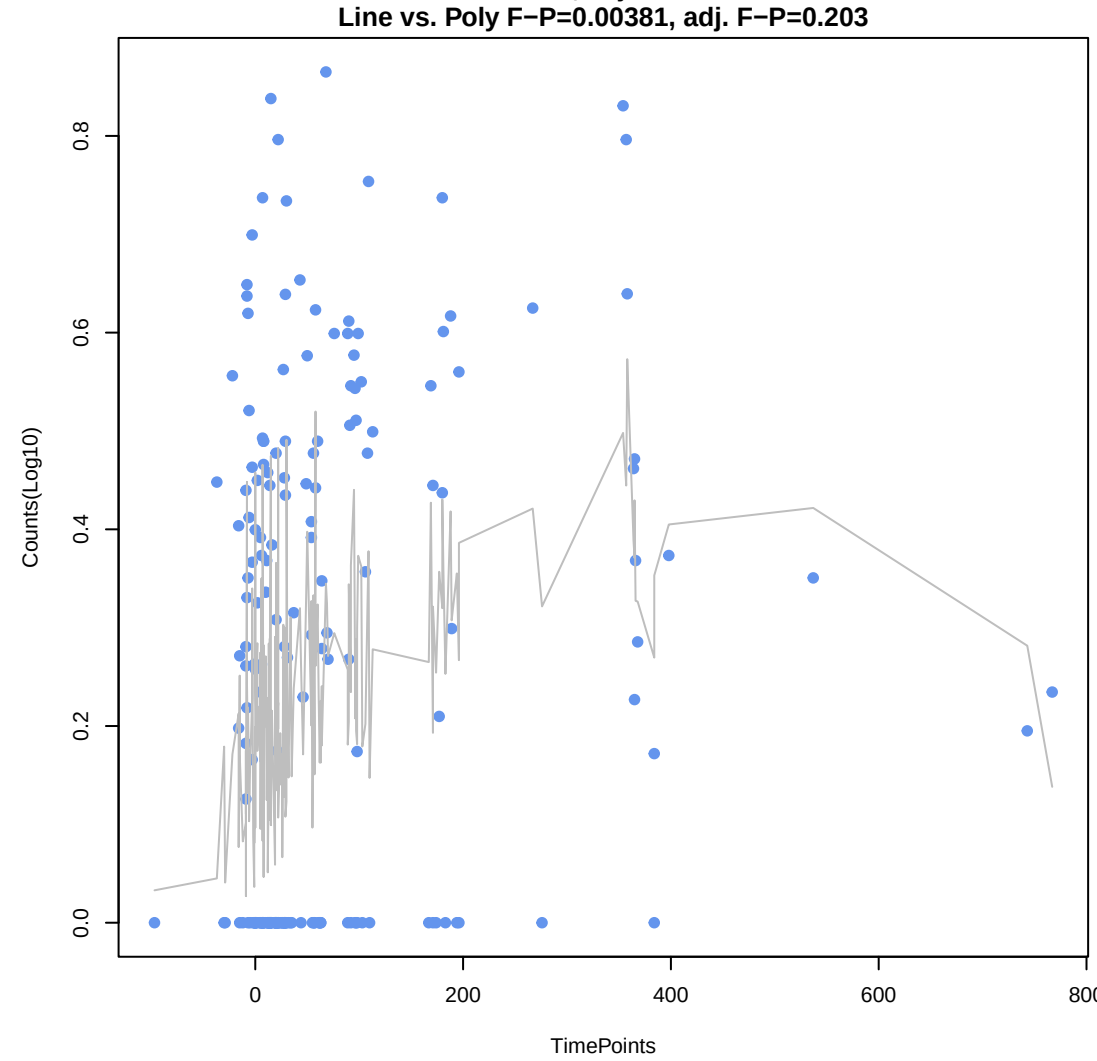
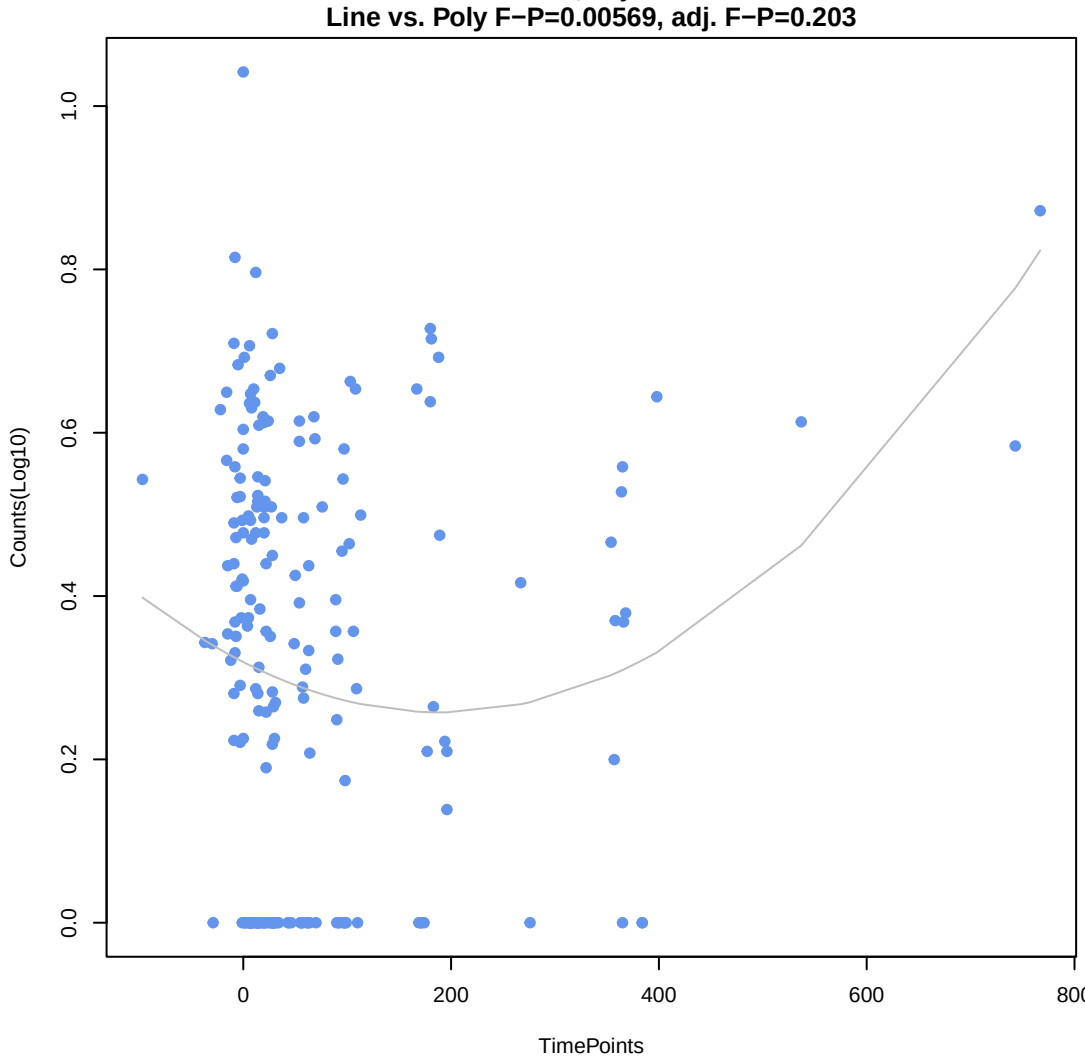
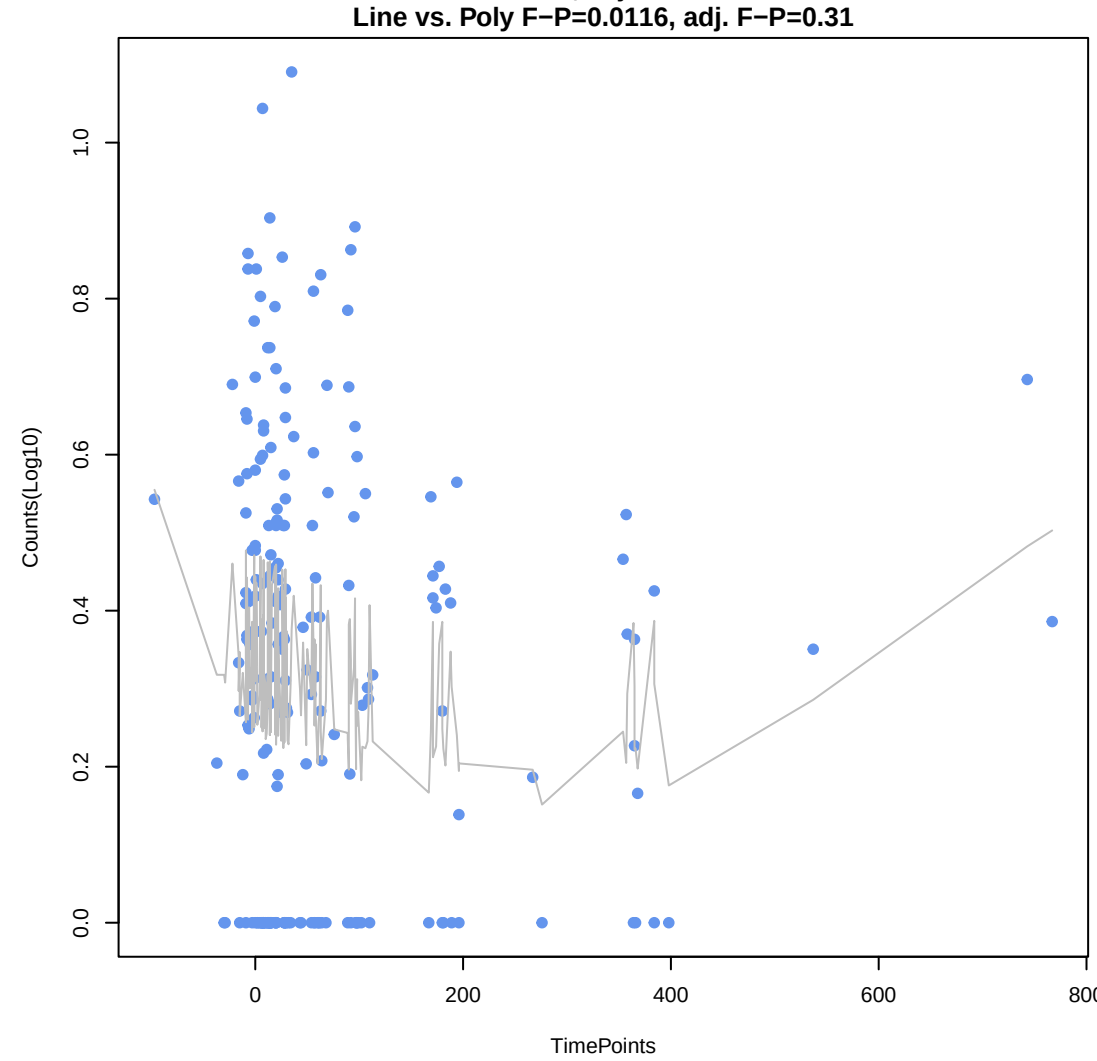
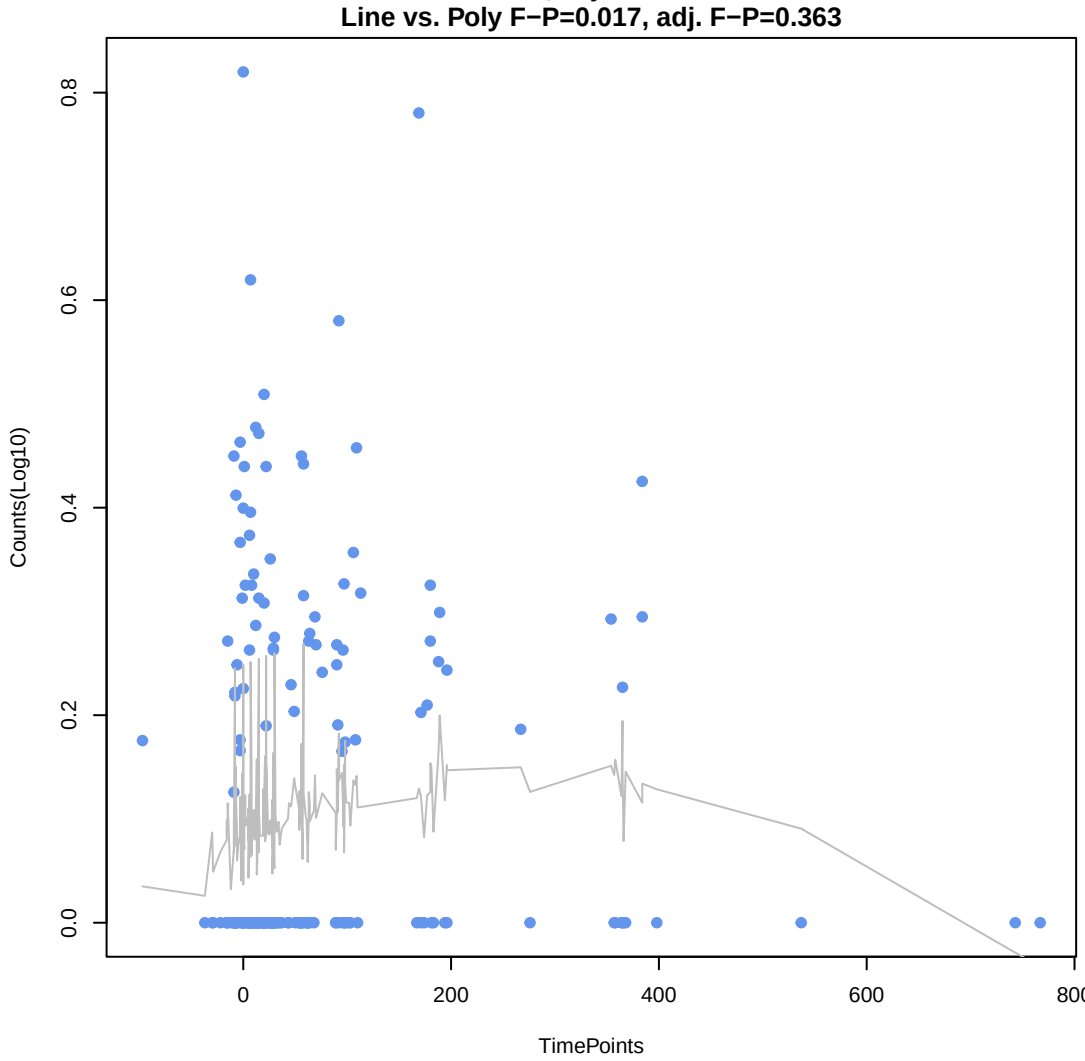
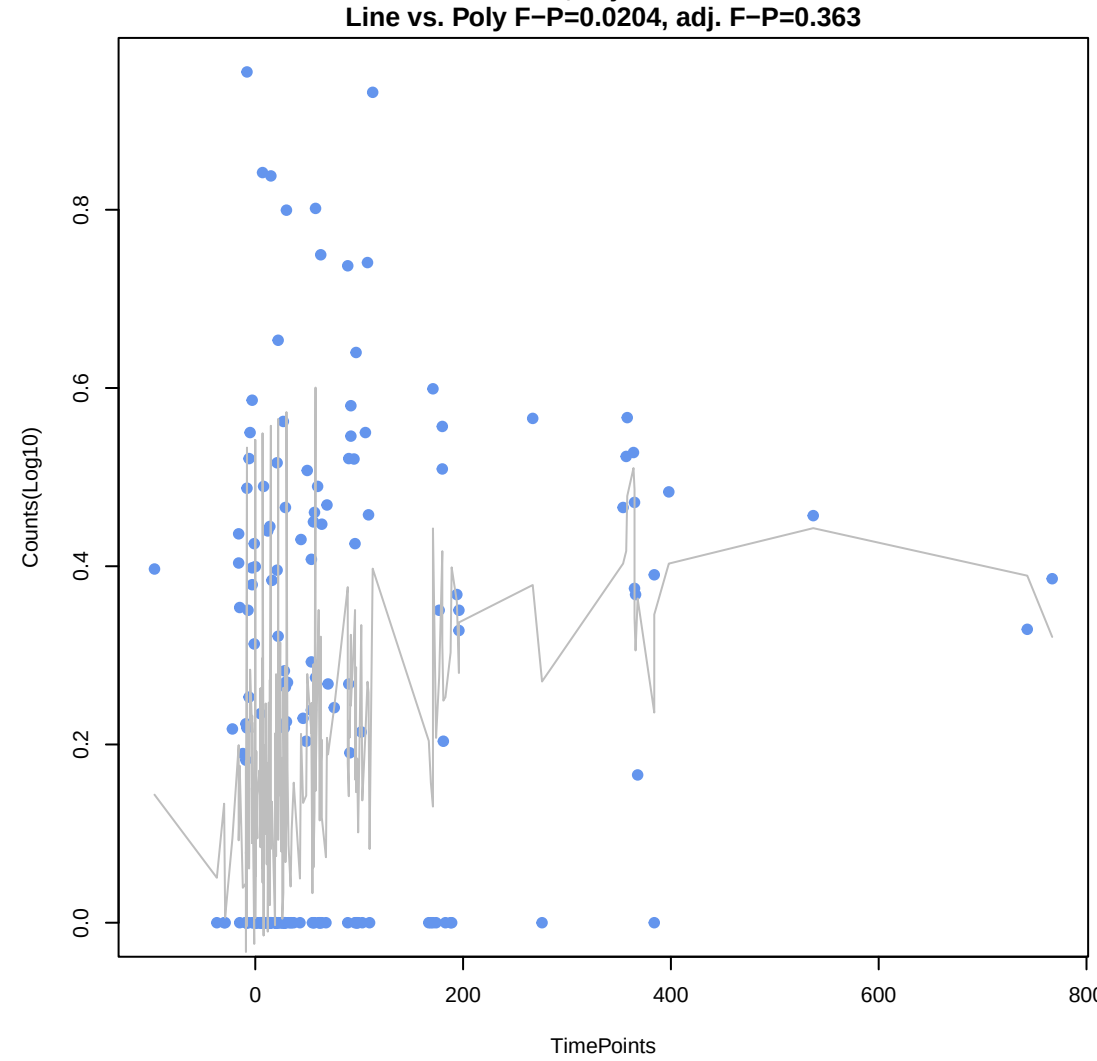

vanR gene in vanE cluster
ANOVA P=0.00682, adj. ANOVA−P=0.15
Line vs. Poly F−P=0.00176, adj. F−P=0.188
Counts(Log10)
TimePoints

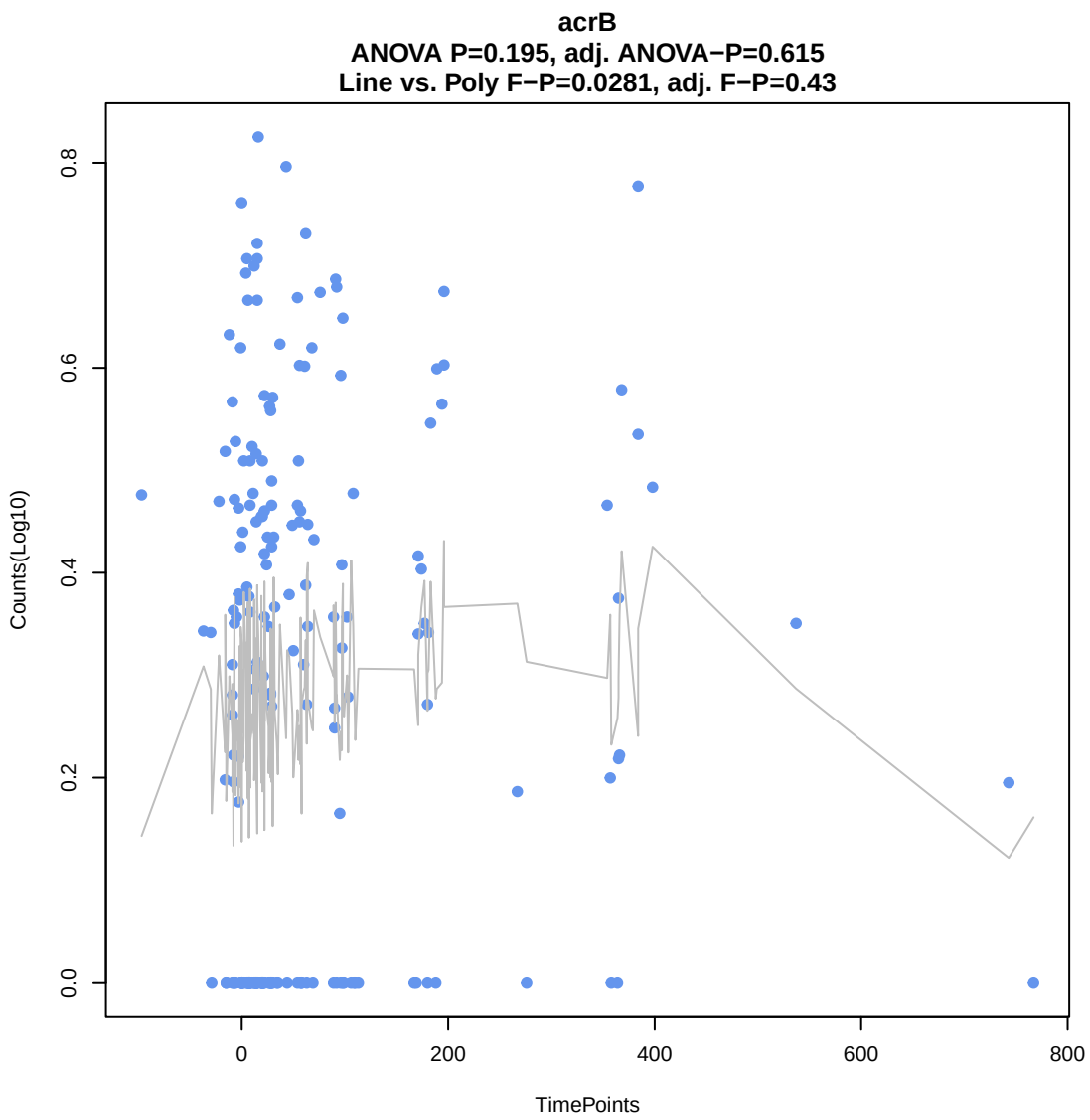

nimJ
ANOVA P=0.000158, adj. ANOVA−P=0.00845
Line vs. Poly F−P=0.00381, adj. F−P=0.203
Counts(Log10)
TimePoints

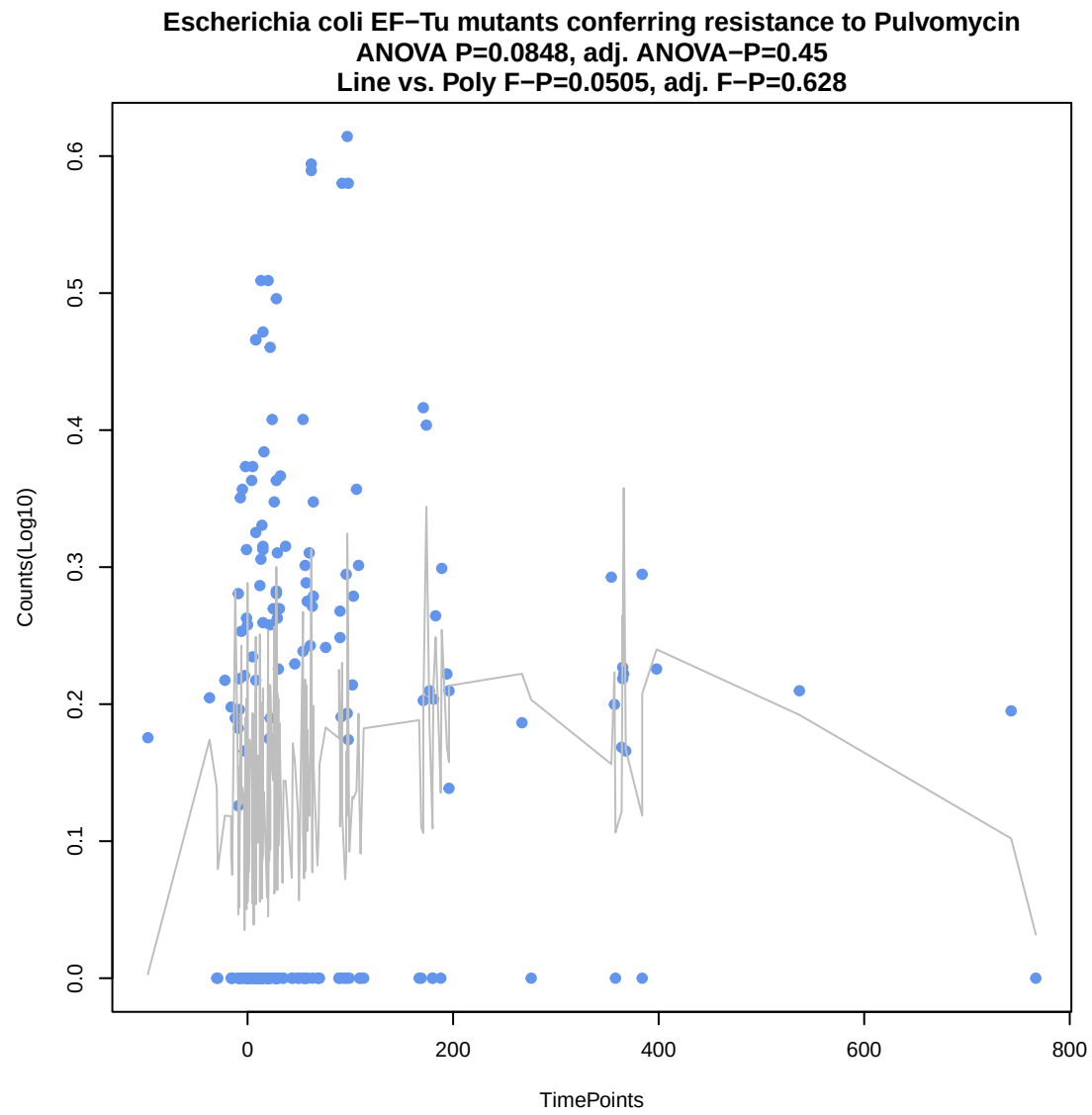

BlaB−16
ANOVA P=0.00978, adj. ANOVA−P=0.15
Line vs. Poly F−P=0.00569, adj. F−P=0.203
Counts(Log10)
TimePoints

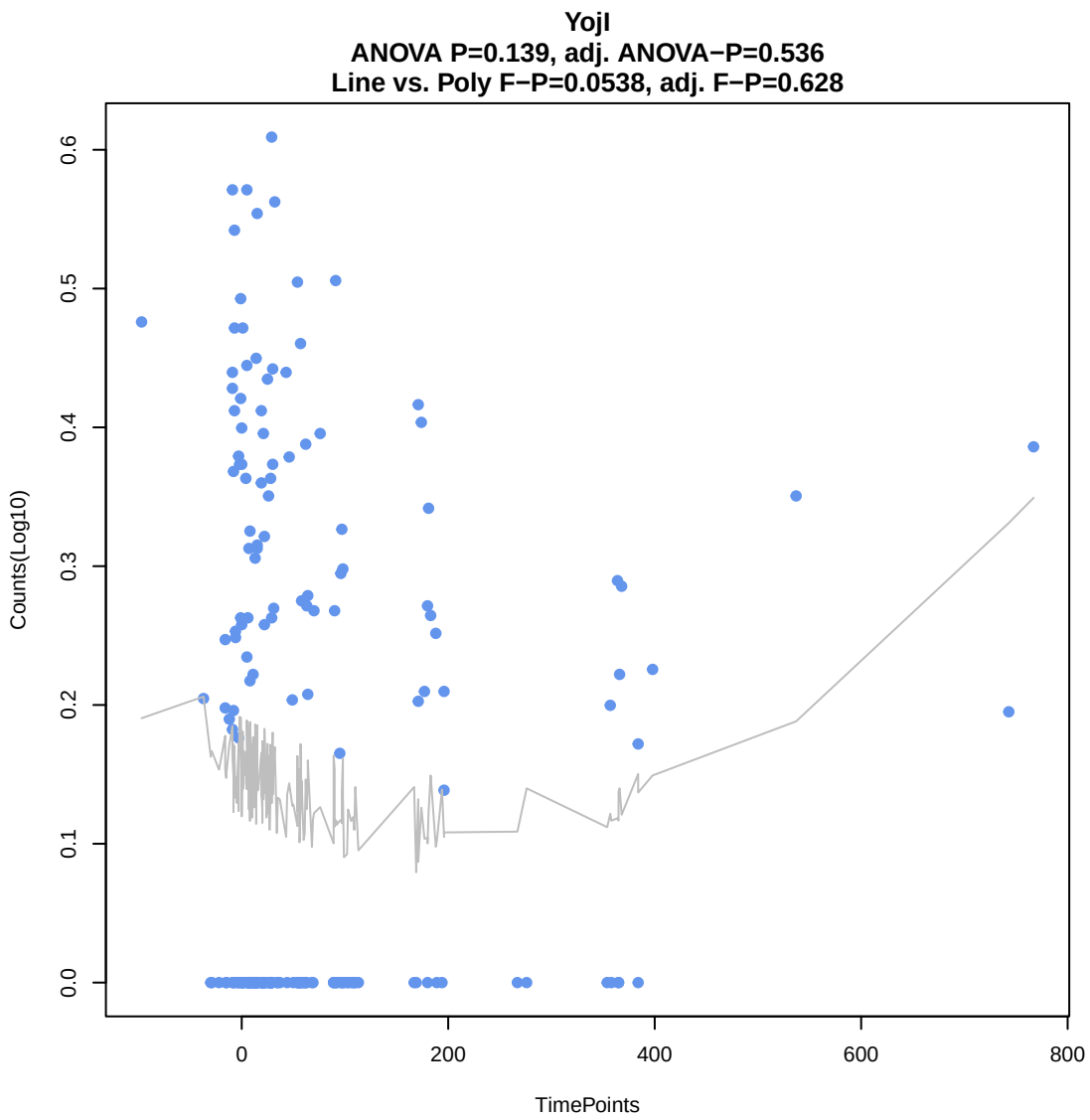

Bifidobacterium adolescentis rpoB mutants conferring resistance to rifampicin
ANOVA P=0.0986, adj. ANOVA−P=0.459
Line vs. Poly F−P=0.0116, adj. F−P=0.31
Counts(Log10)
TimePoints

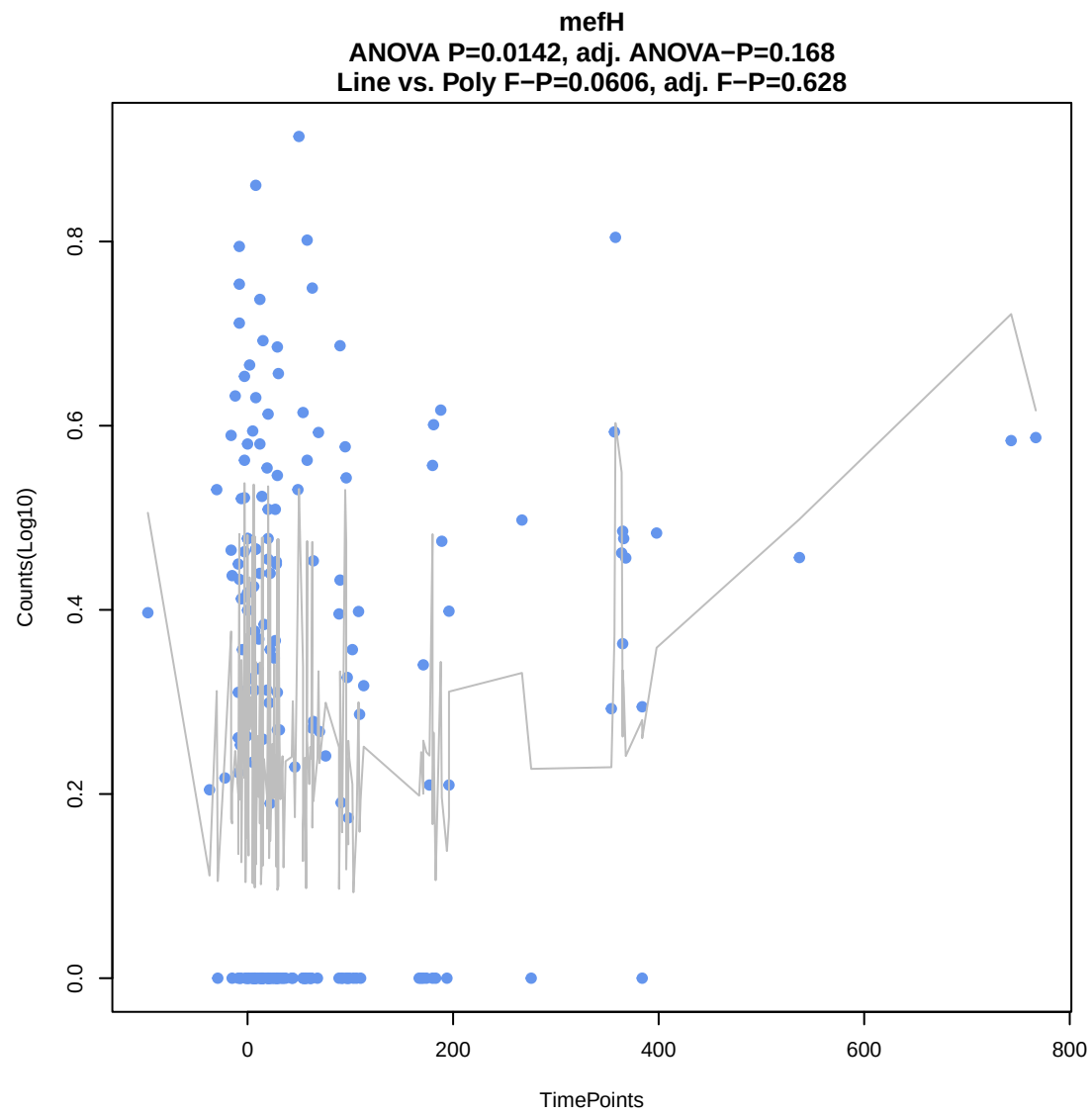

farB
ANOVA P=0.15, adj. ANOVA−P=0.536
Line vs. Poly F−P=0.017, adj. F−P=0.363
Counts(Log10)
TimePoints

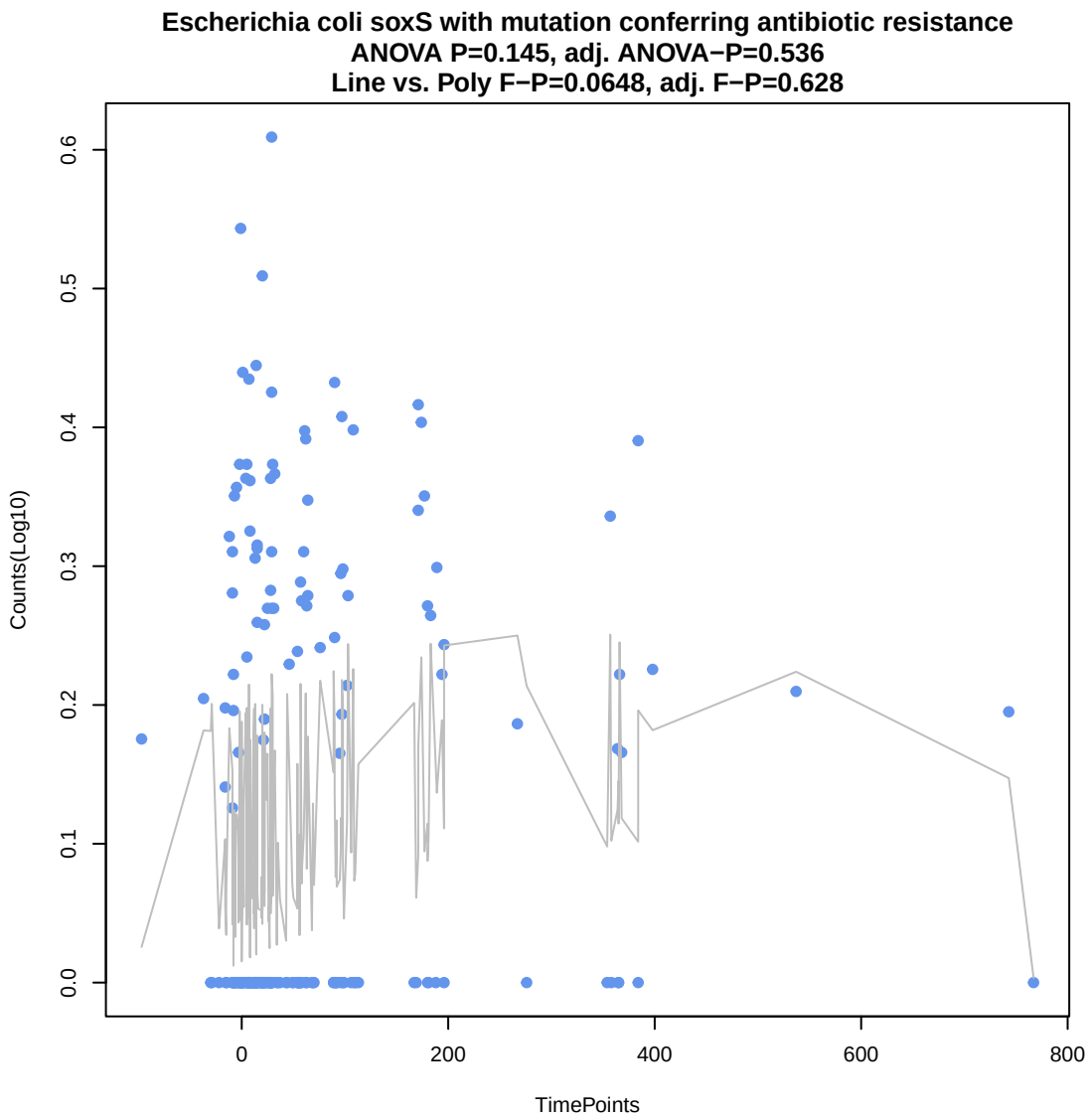

nimA
ANOVA P=7.07e−06, adj. ANOVA−P=0.000756
Line vs. Poly F−P=0.0204, adj. F−P=0.363
Counts(Log10)
TimePoints

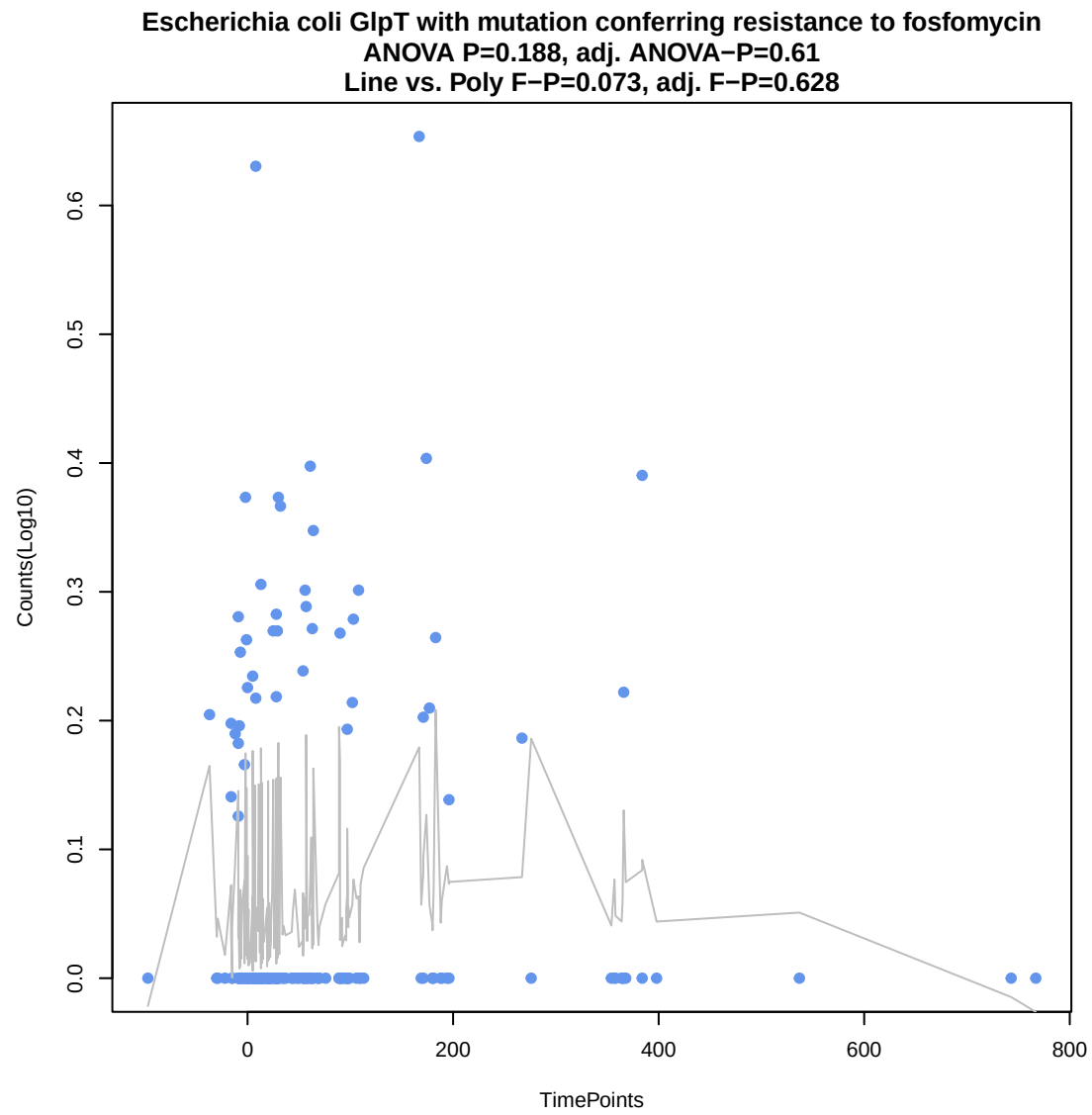

acrB
ANOVA P=0.195, adj. ANOVA−P=0.615
Line vs. Poly F−P=0.0281, adj. F−P=0.43
Counts(Log10)
TimePoints

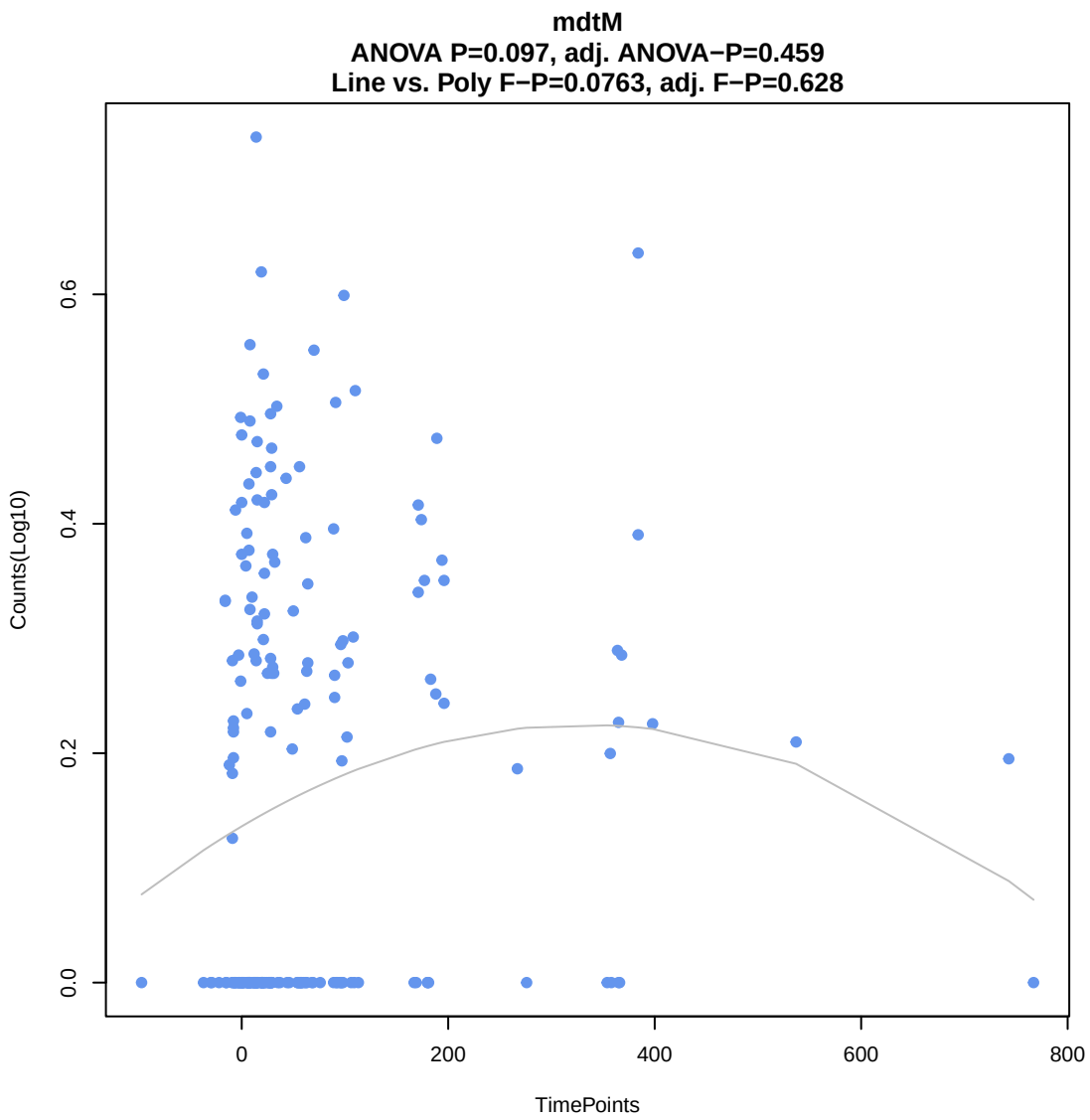

Escherichia coli EF−Tu mutants conferring resistance to Pulvomycin
ANOVA P=0.0848, adj. ANOVA−P=0.45
Line vs. Poly F−P=0.0505, adj. F−P=0.628
Counts(Log10)
TimePoints

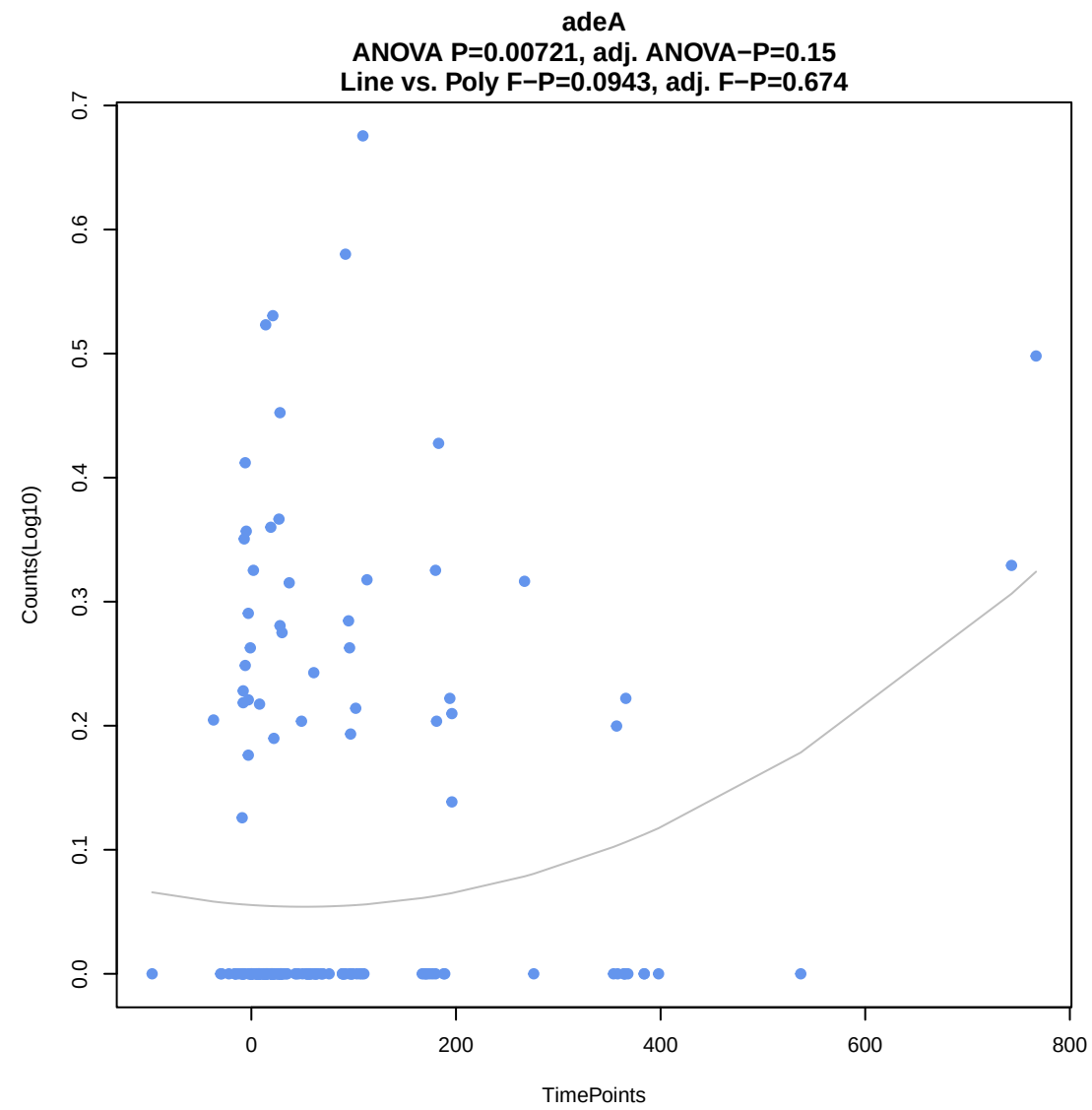

YojI
ANOVA P=0.139, adj. ANOVA−P=0.536
Line vs. Poly F−P=0.0538, adj. F−P=0.628
Counts(Log10)
TimePoints

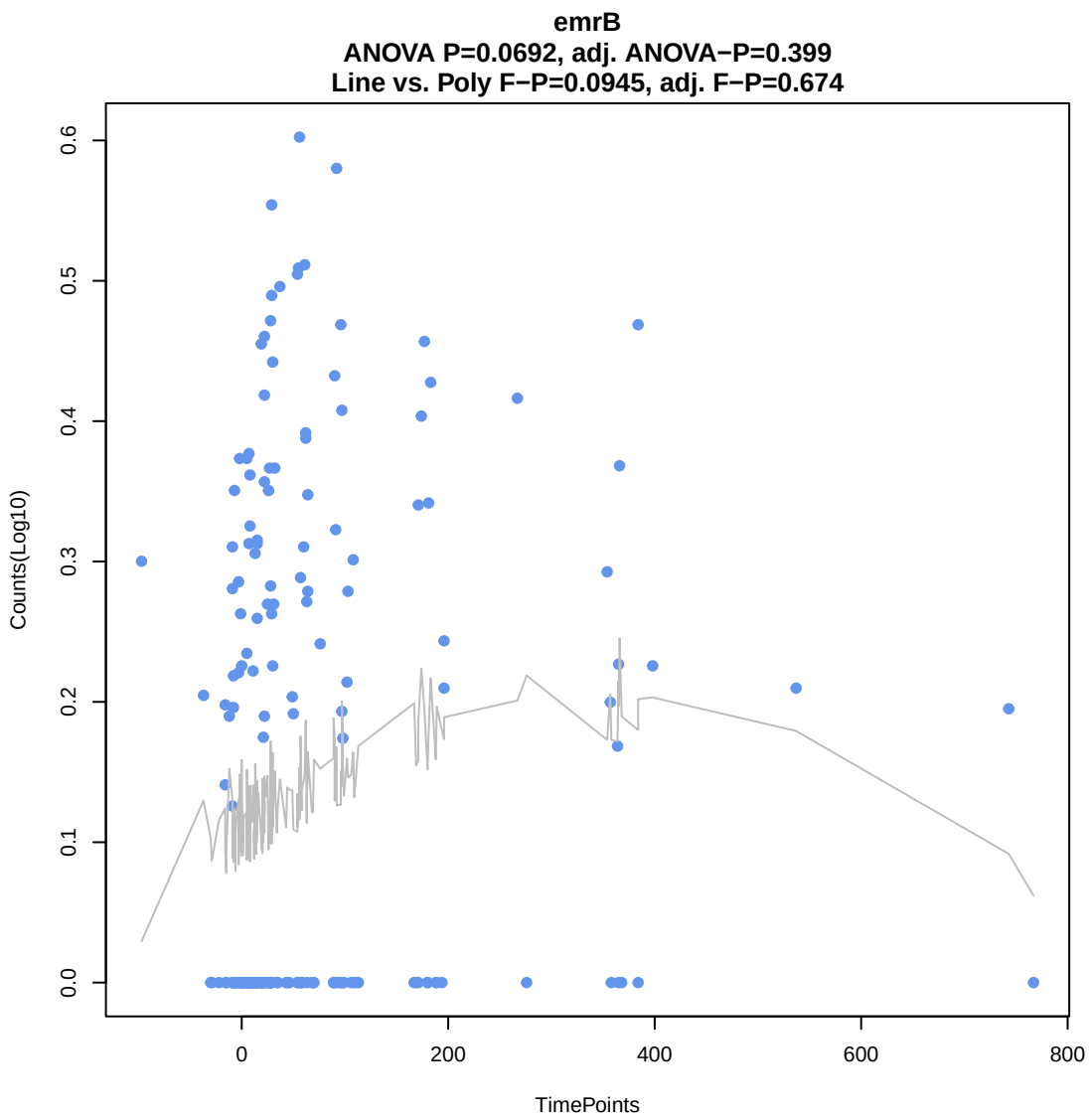

mefH
ANOVA P=0.0142, adj. ANOVA−P=0.168
Line vs. Poly F−P=0.0606, adj. F−P=0.628
Counts(Log10)
TimePoints

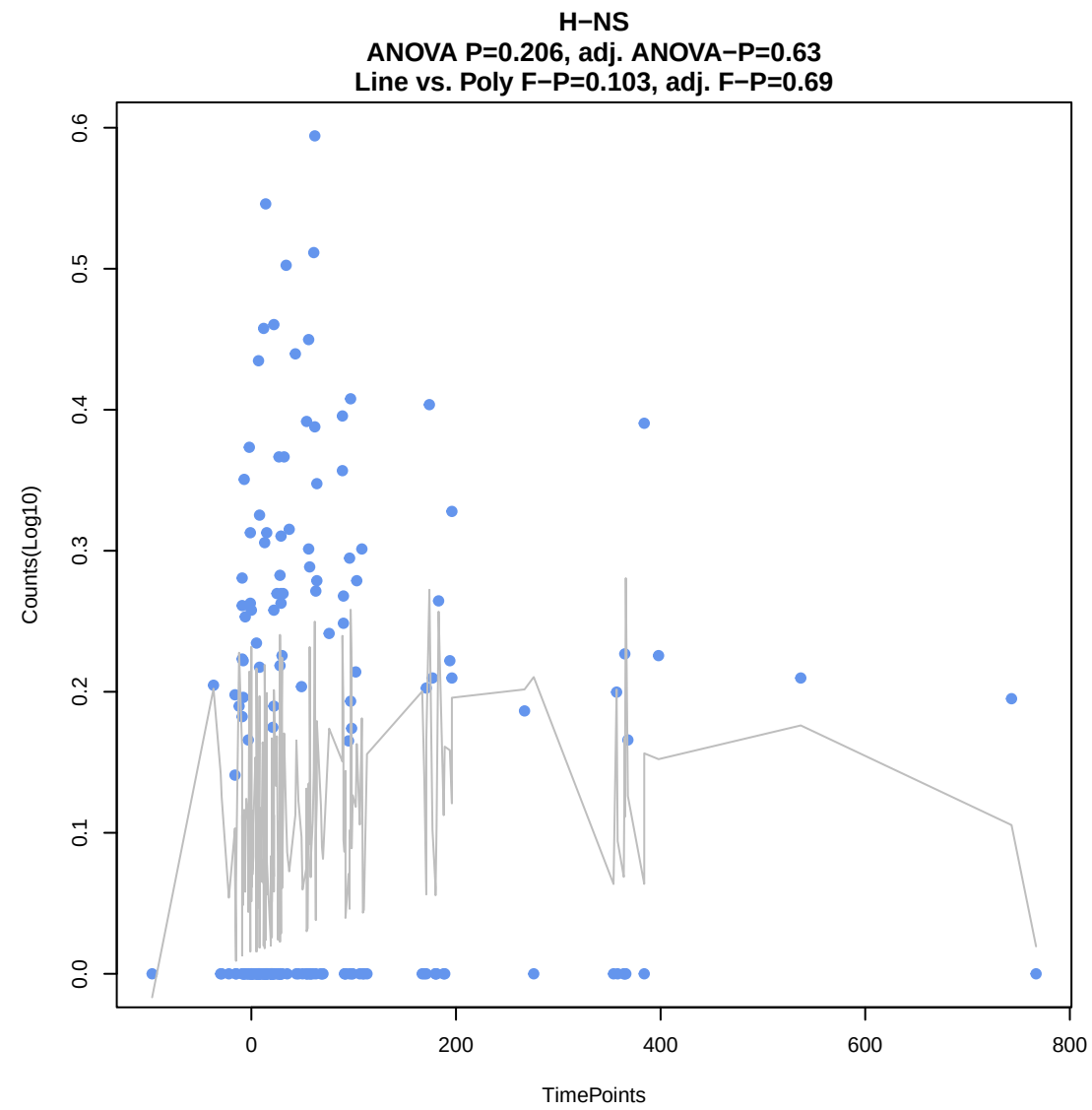

Escherichia coli soxS with mutation conferring antibiotic resistance
ANOVA P=0.145, adj. ANOVA−P=0.536
Line vs. Poly F−P=0.0648, adj. F−P=0.628
Counts(Log10)
TimePoints

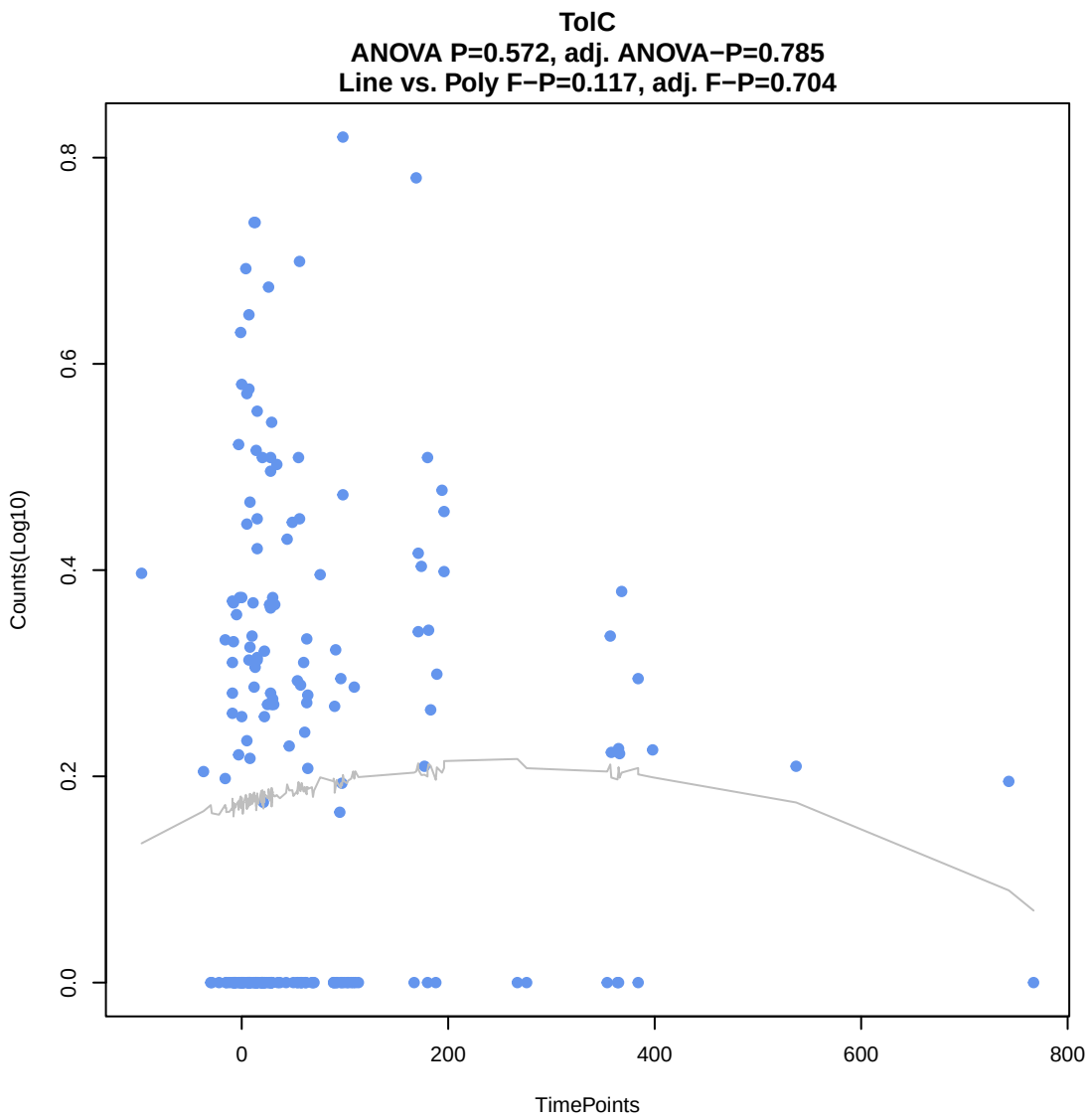

Escherichia coli GlpT with mutation conferring resistance to fosfomycin
ANOVA P=0.188, adj. ANOVA−P=0.61
Line vs. Poly F−P=0.073, adj. F−P=0.628
Counts(Log10)
TimePoints

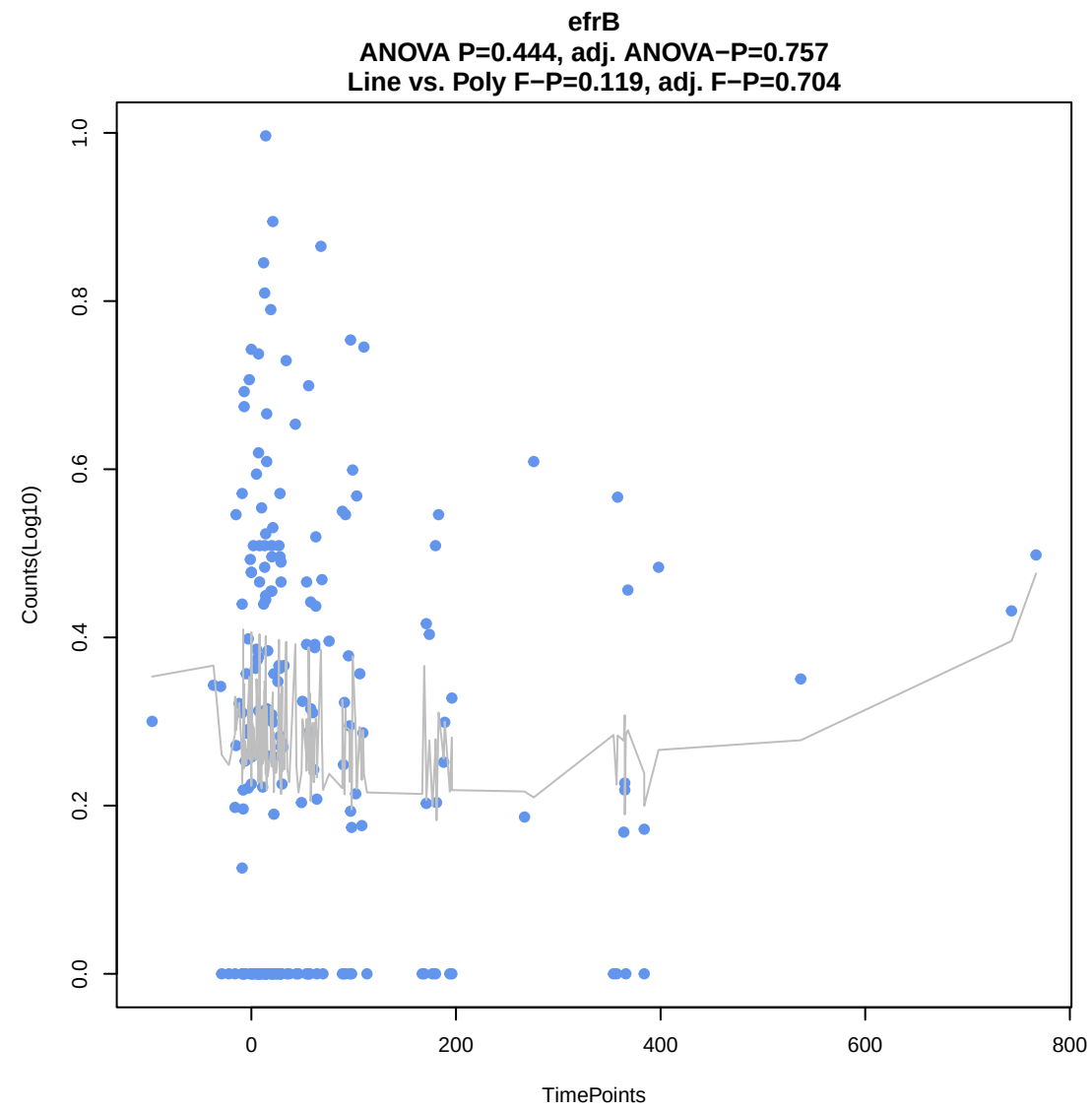

mdtM
ANOVA P=0.097, adj. ANOVA−P=0.459
Line vs. Poly F−P=0.0763, adj. F−P=0.628
Counts(Log10)
TimePoints


adeA
ANOVA P=0.00721, adj. ANOVA−P=0.15
Line vs. Poly F−P=0.0943, adj. F−P=0.674
Counts(Log10)
TimePoints

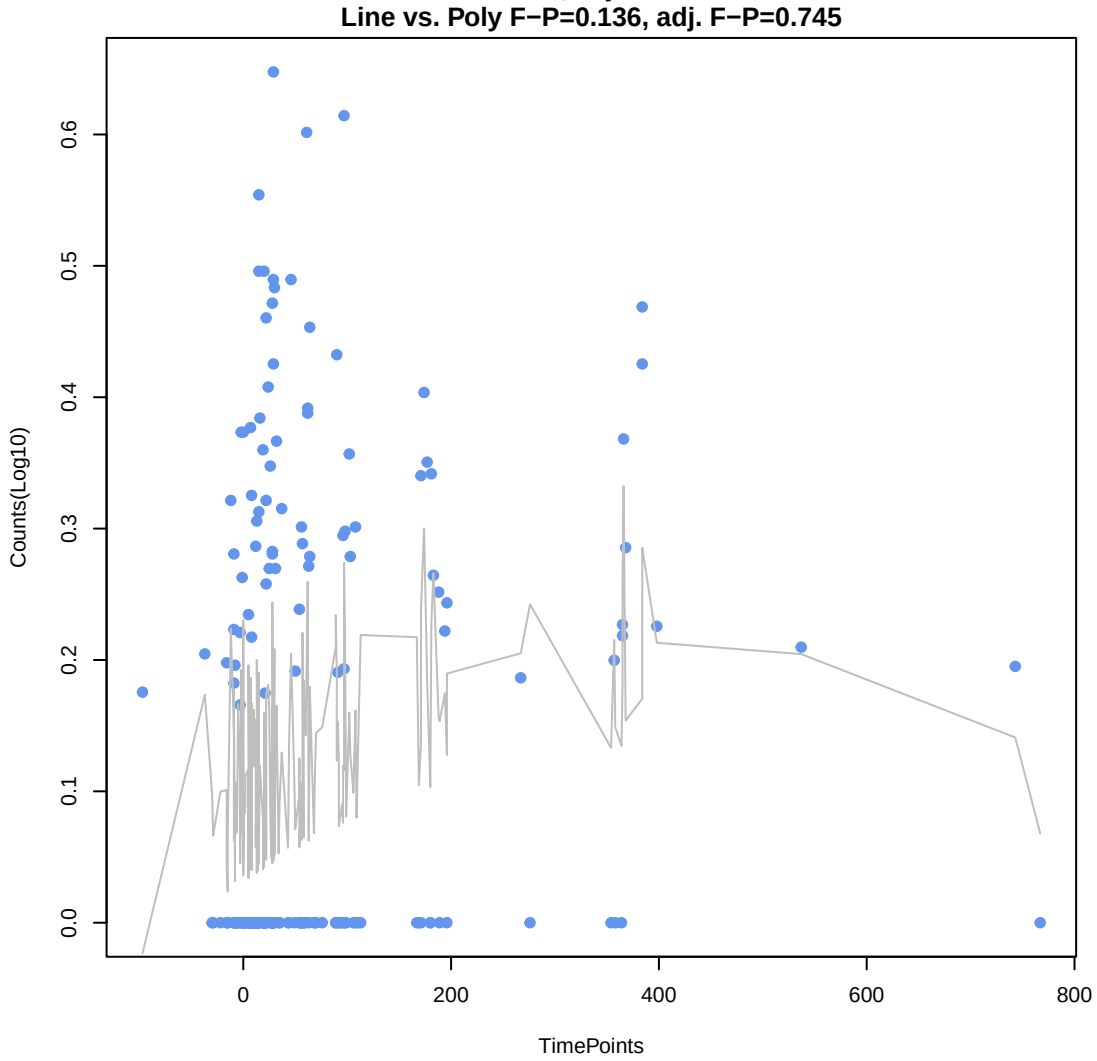

emrB
ANOVA P=0.0692, adj. ANOVA−P=0.399
Line vs. Poly F−P=0.0945, adj. F−P=0.674
Counts(Log10)
TimePoints


H−NS
ANOVA P=0.206, adj. ANOVA−P=0.63
Line vs. Poly F−P=0.103, adj. F−P=0.69
Counts(Log10)
TimePoints

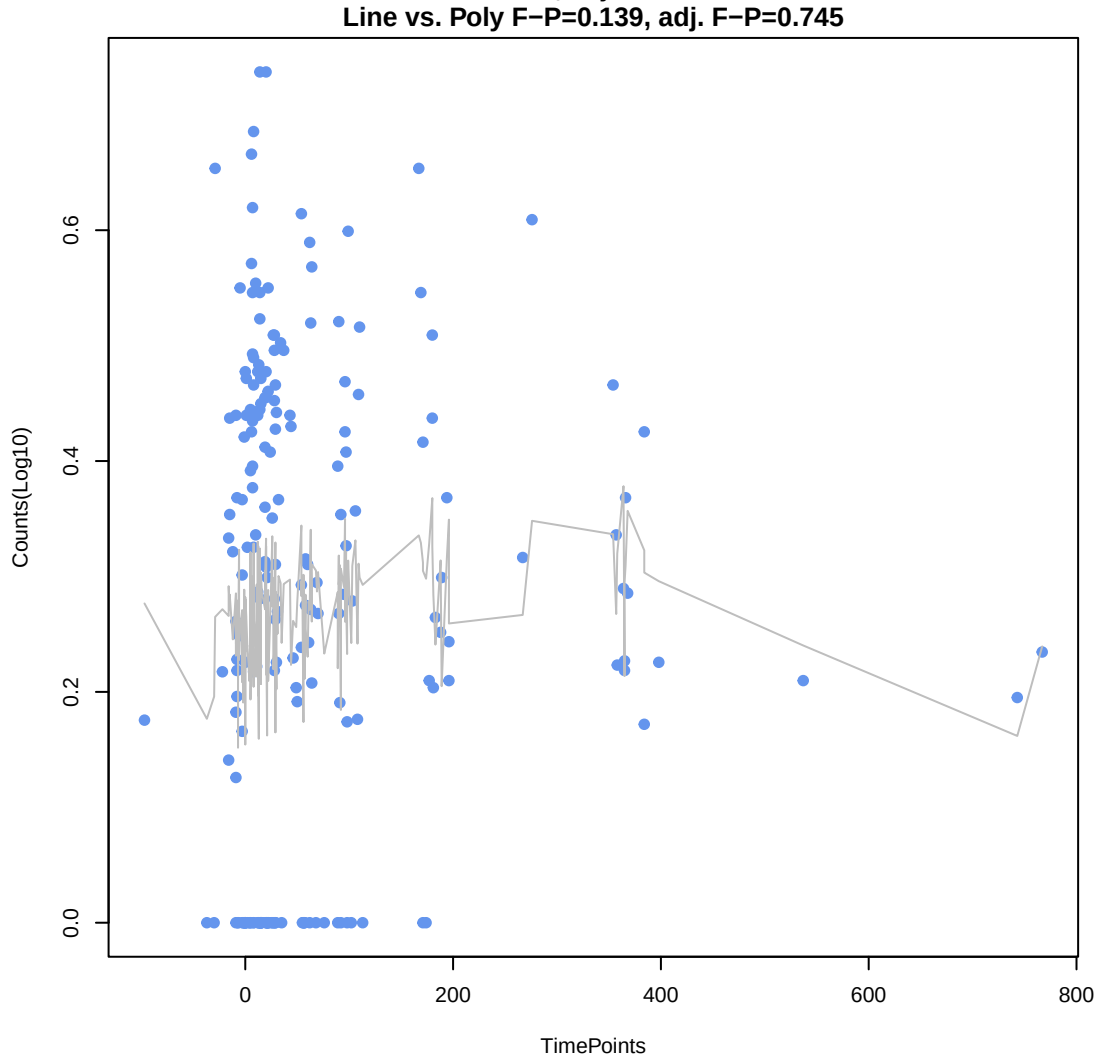

TolC
ANOVA P=0.572, adj. ANOVA−P=0.785
Line vs. Poly F−P=0.117, adj. F−P=0.704
Counts(Log10)
TimePoints


efrB
ANOVA P=0.444, adj. ANOVA−P=0.757
Line vs. Poly F−P=0.119, adj. F−P=0.704
Counts(Log10)
TimePoints

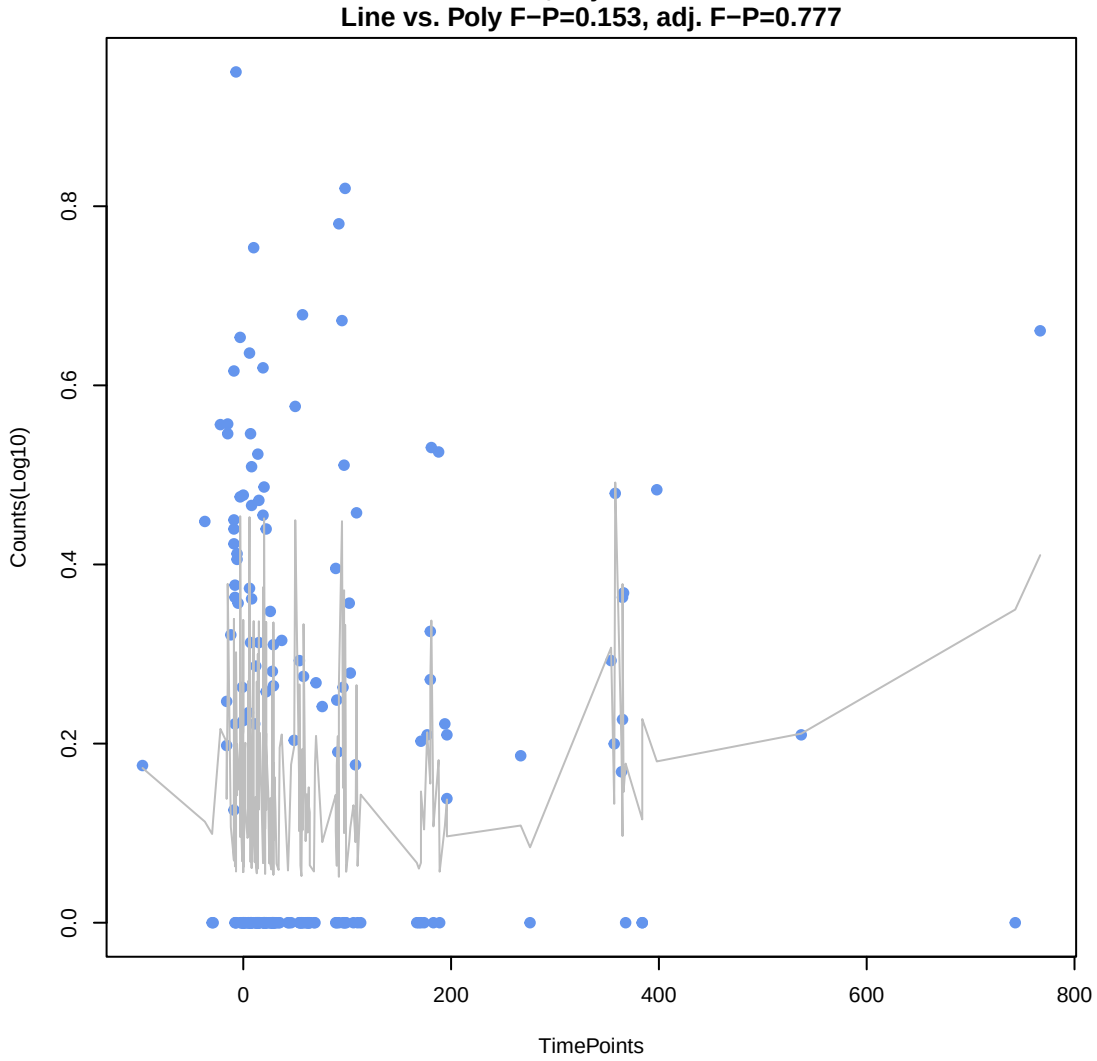
scherichia coli AcrAB−TolC with MarR mutations conferring resistance to ciprofloxacin and
ANOVA P=0.0263, adj. ANOVA−P=0.224
Line vs. Poly F−P=0.136, adj. F−P=0.745



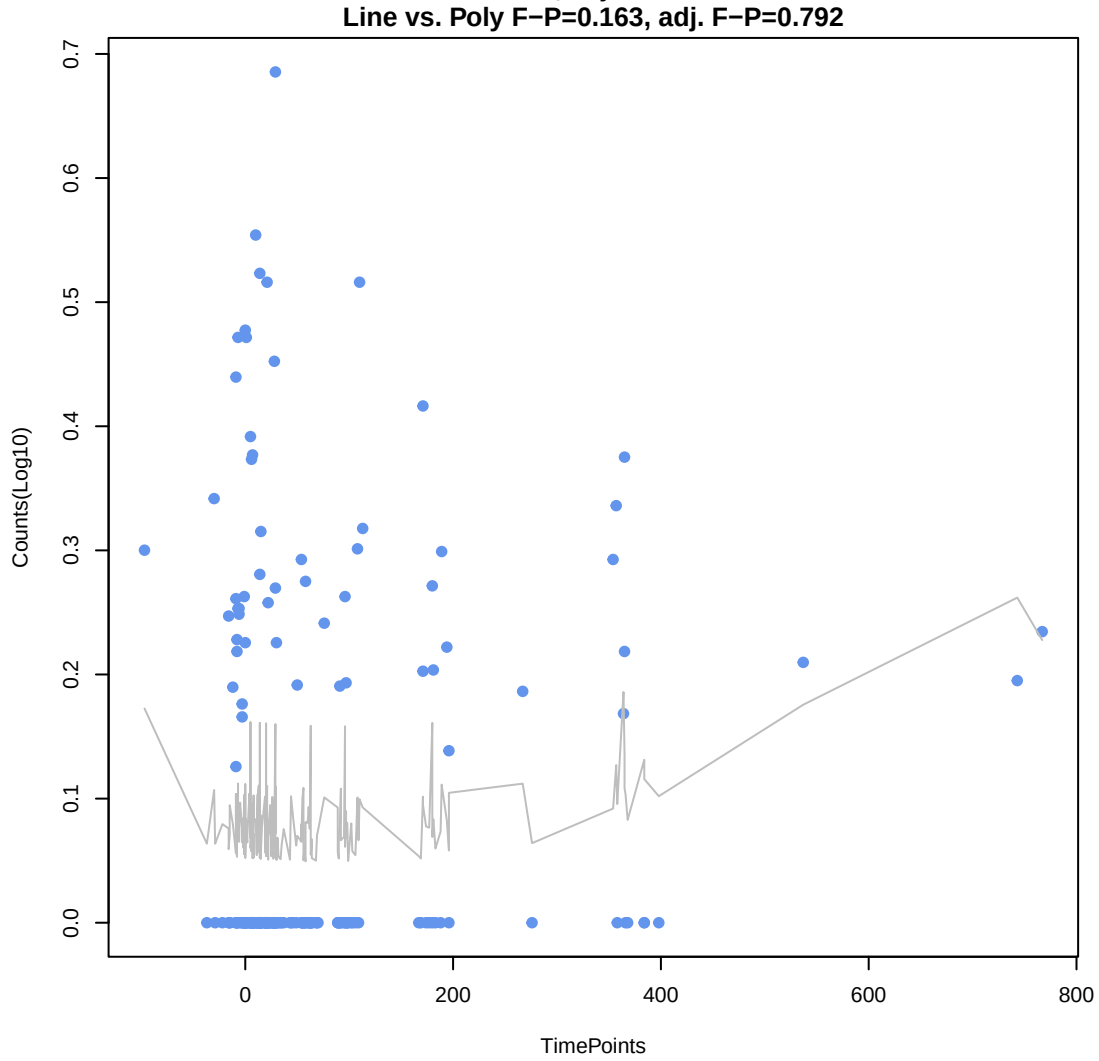
SAT−4
ANOVA P=0.343, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.139, adj. F−P=0.745



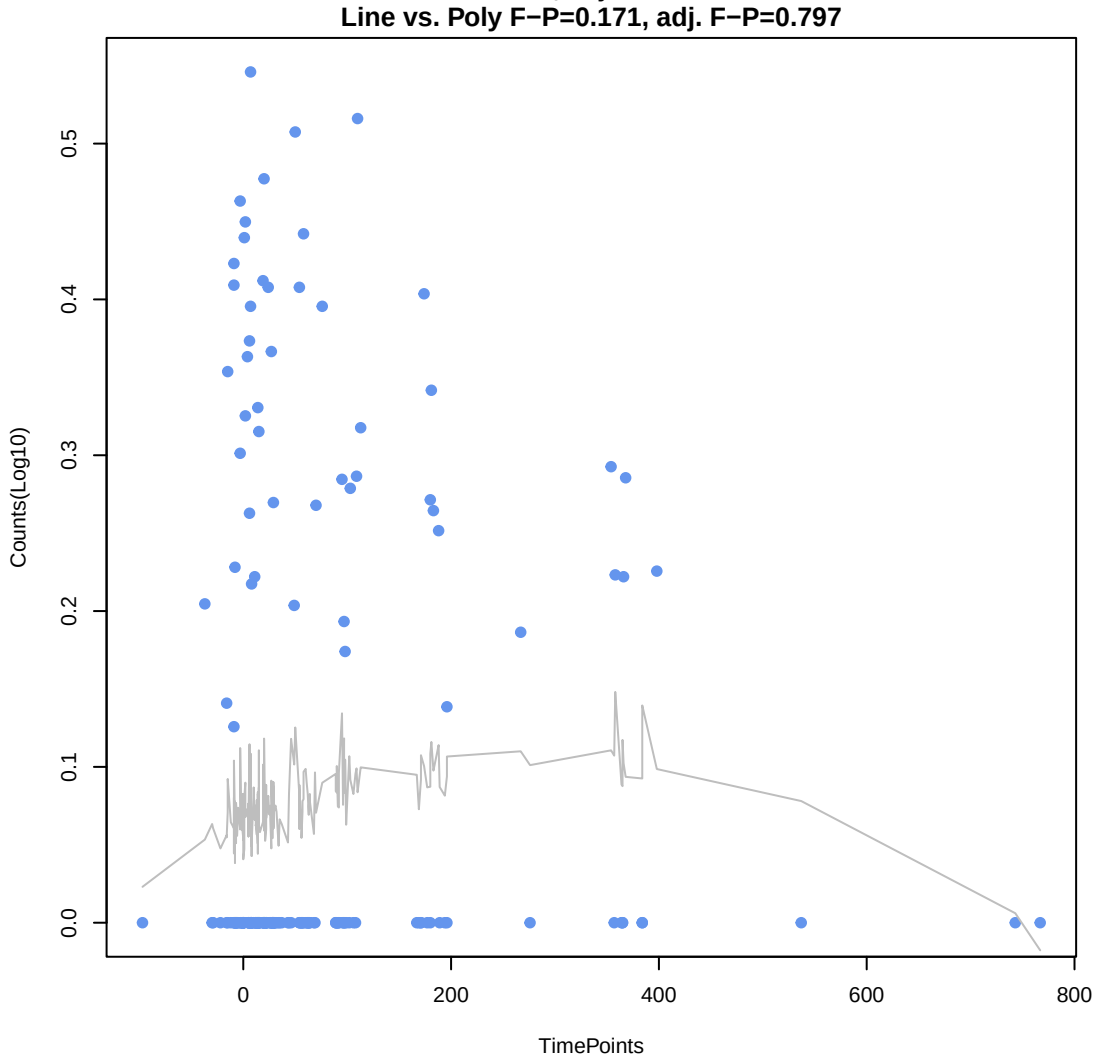
APH(6)−Ic
ANOVA P=0.12, adj. ANOVA−P=0.495
Line vs. Poly F−P=0.153, adj. F−P=0.777



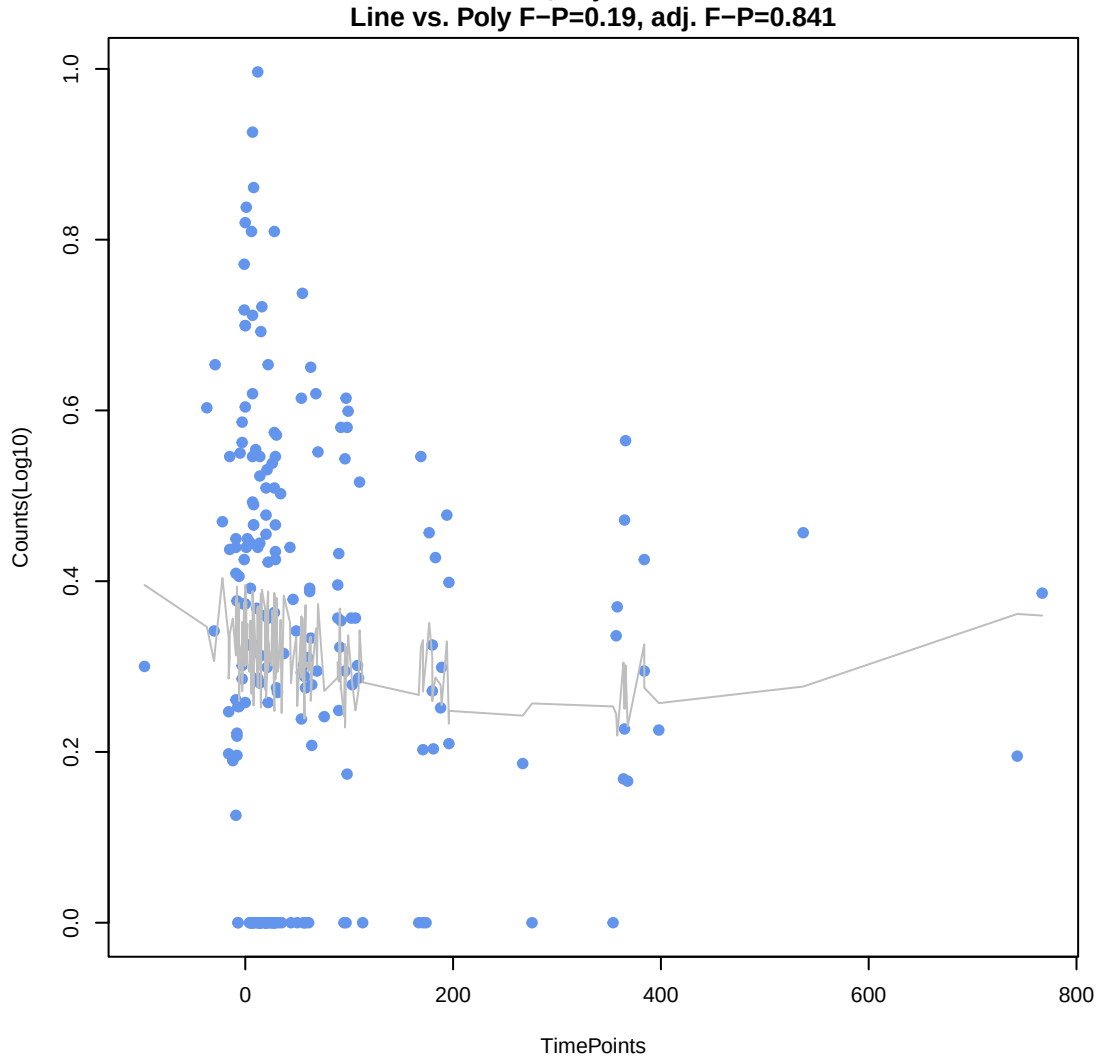
Streptomyces rimosus otr(A)
ANOVA P=0.214, adj. ANOVA−P=0.636
Line vs. Poly F−P=0.163, adj. F−P=0.792

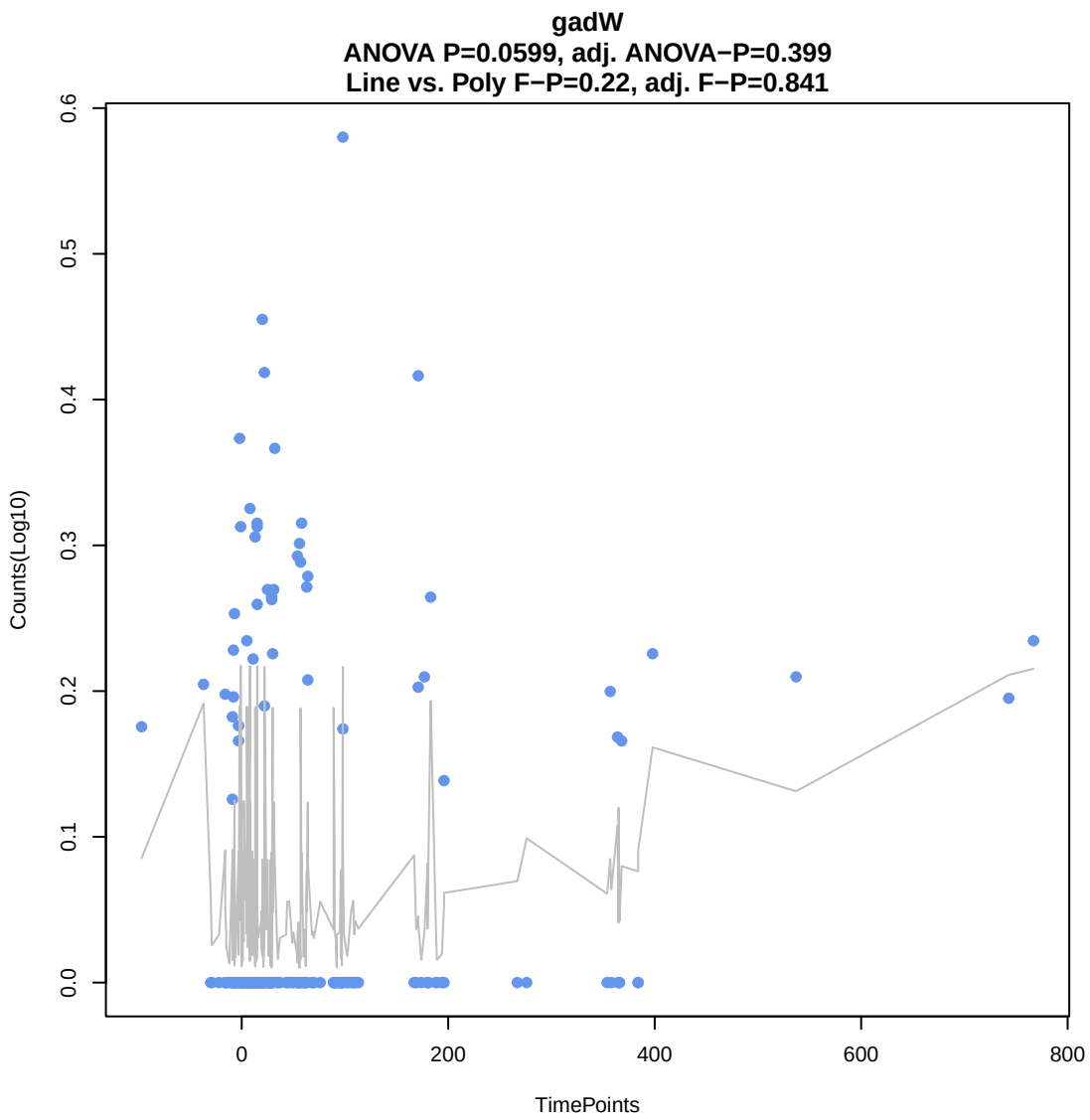


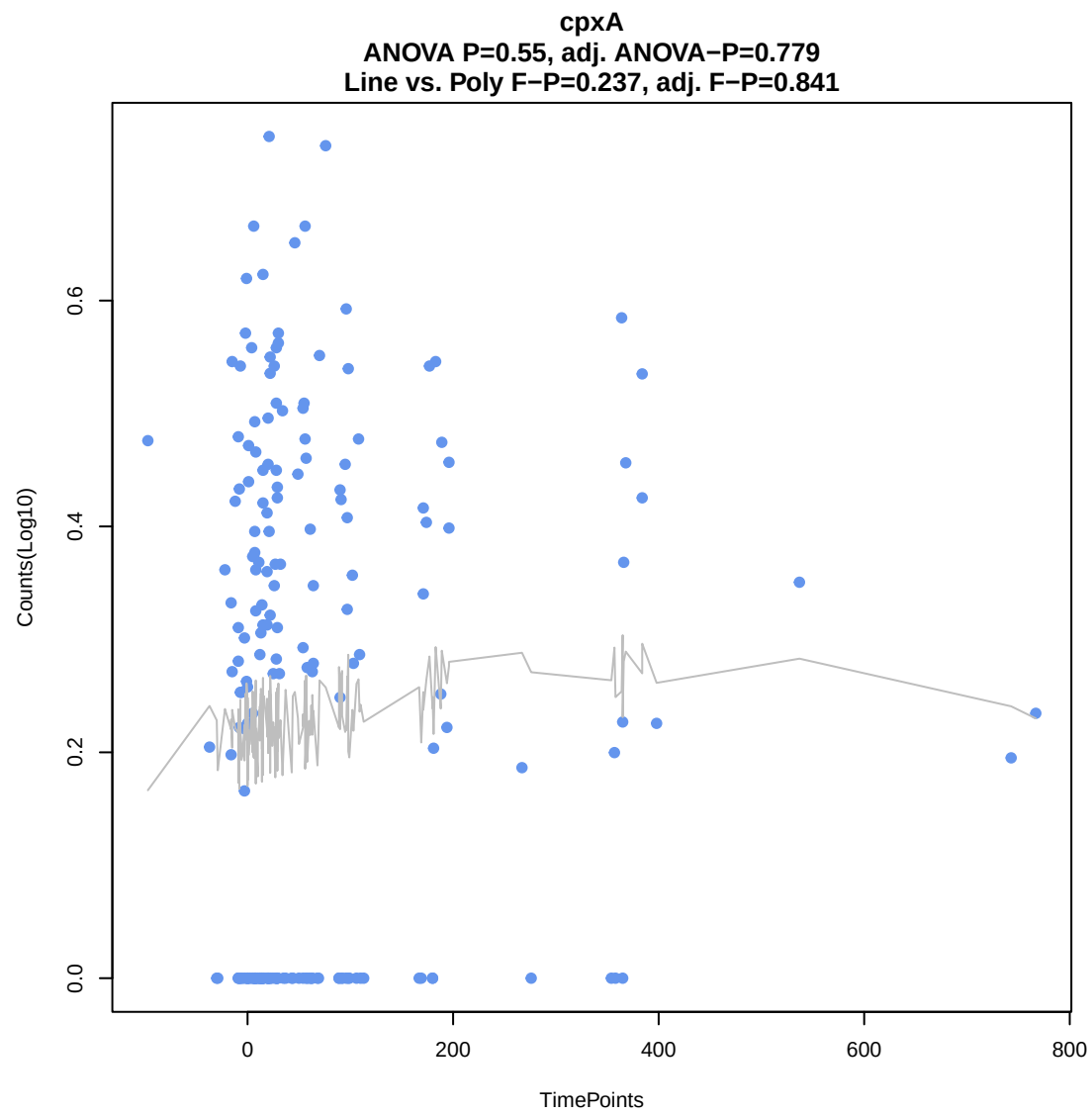
mtrD
ANOVA P=0.342, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.171, adj. F−P=0.797

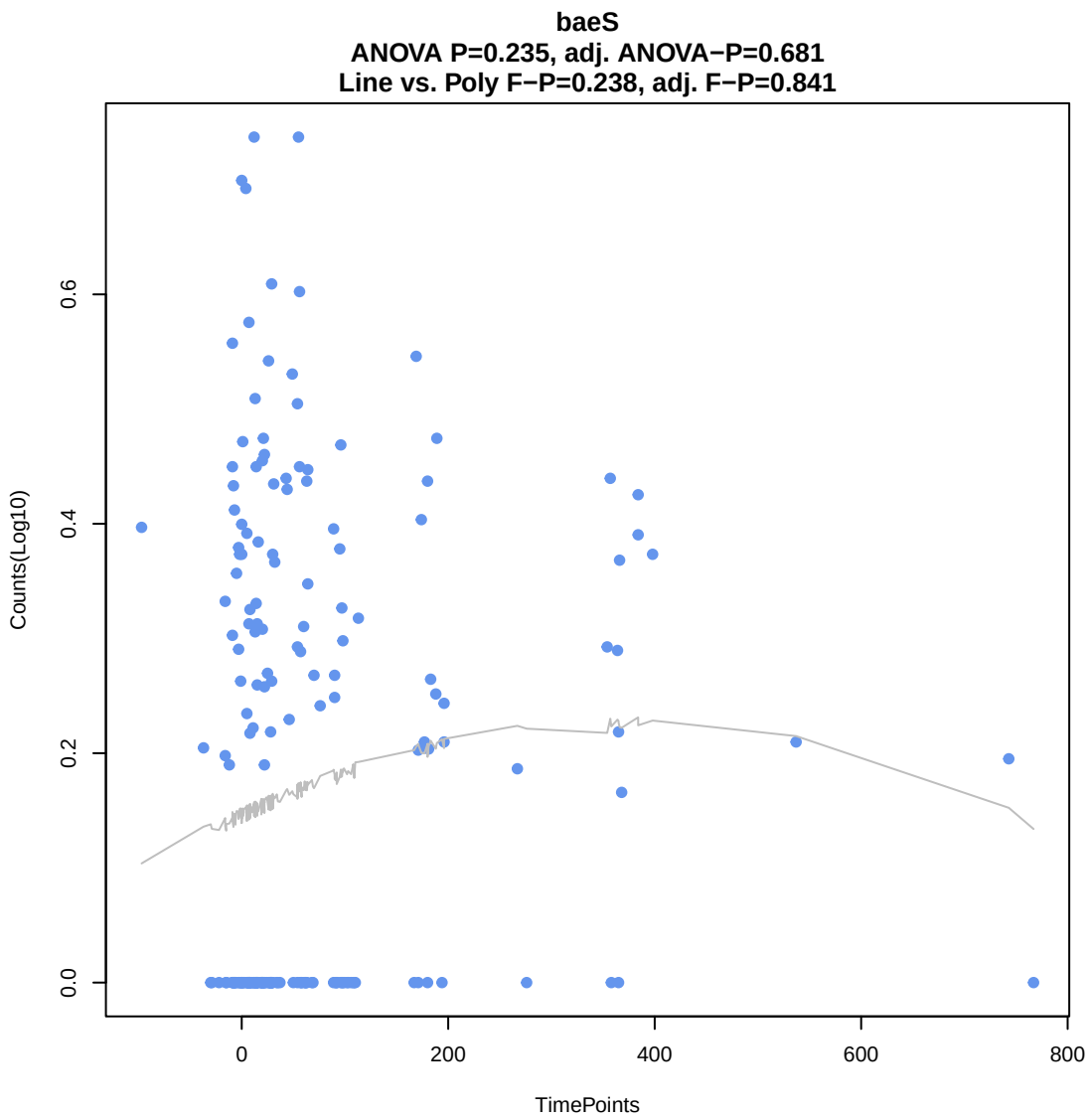


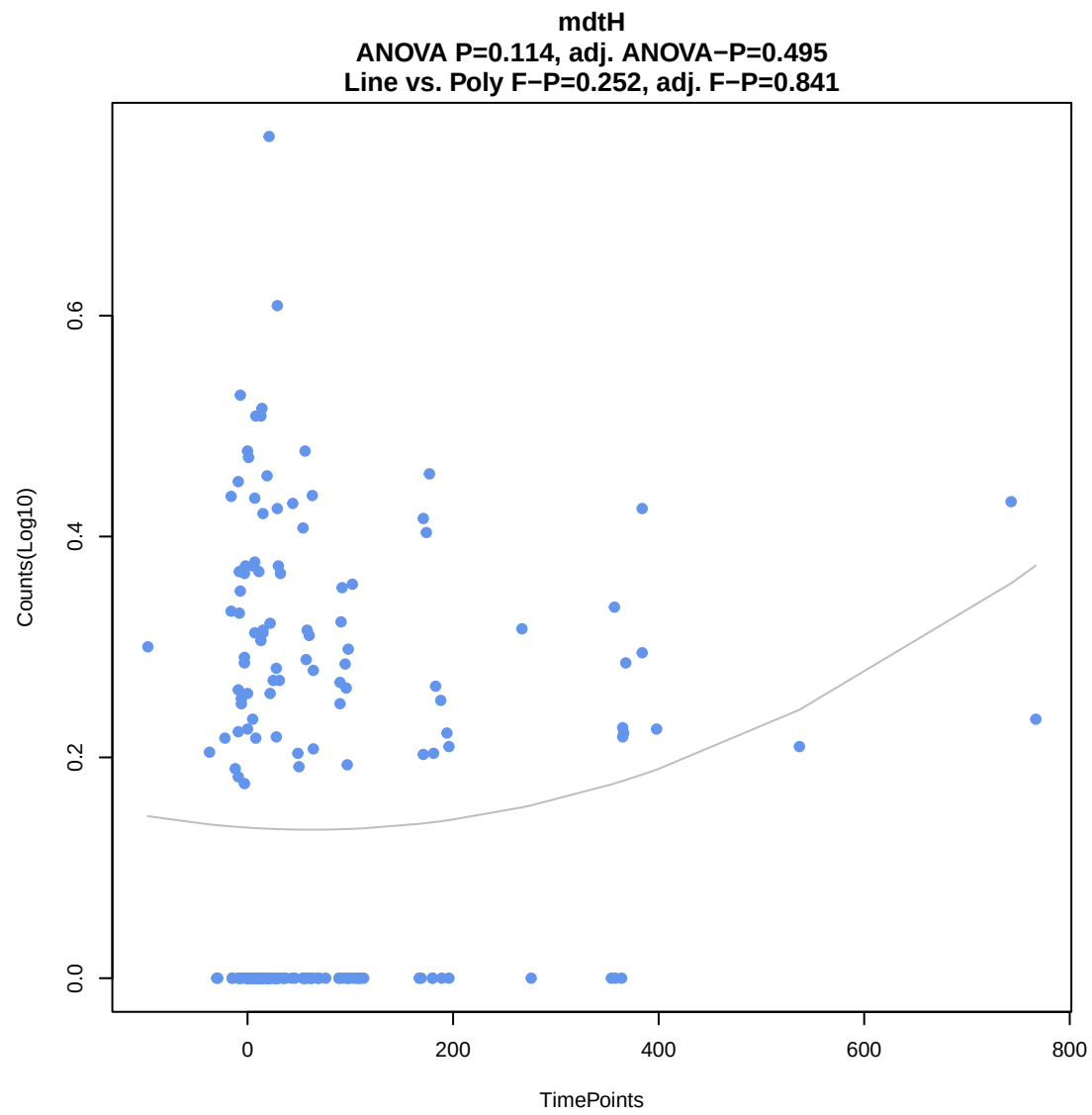
tetB(46)
ANOVA P=0.51, adj. ANOVA−P=0.764
Line vs. Poly F−P=0.19, adj. F−P=0.841

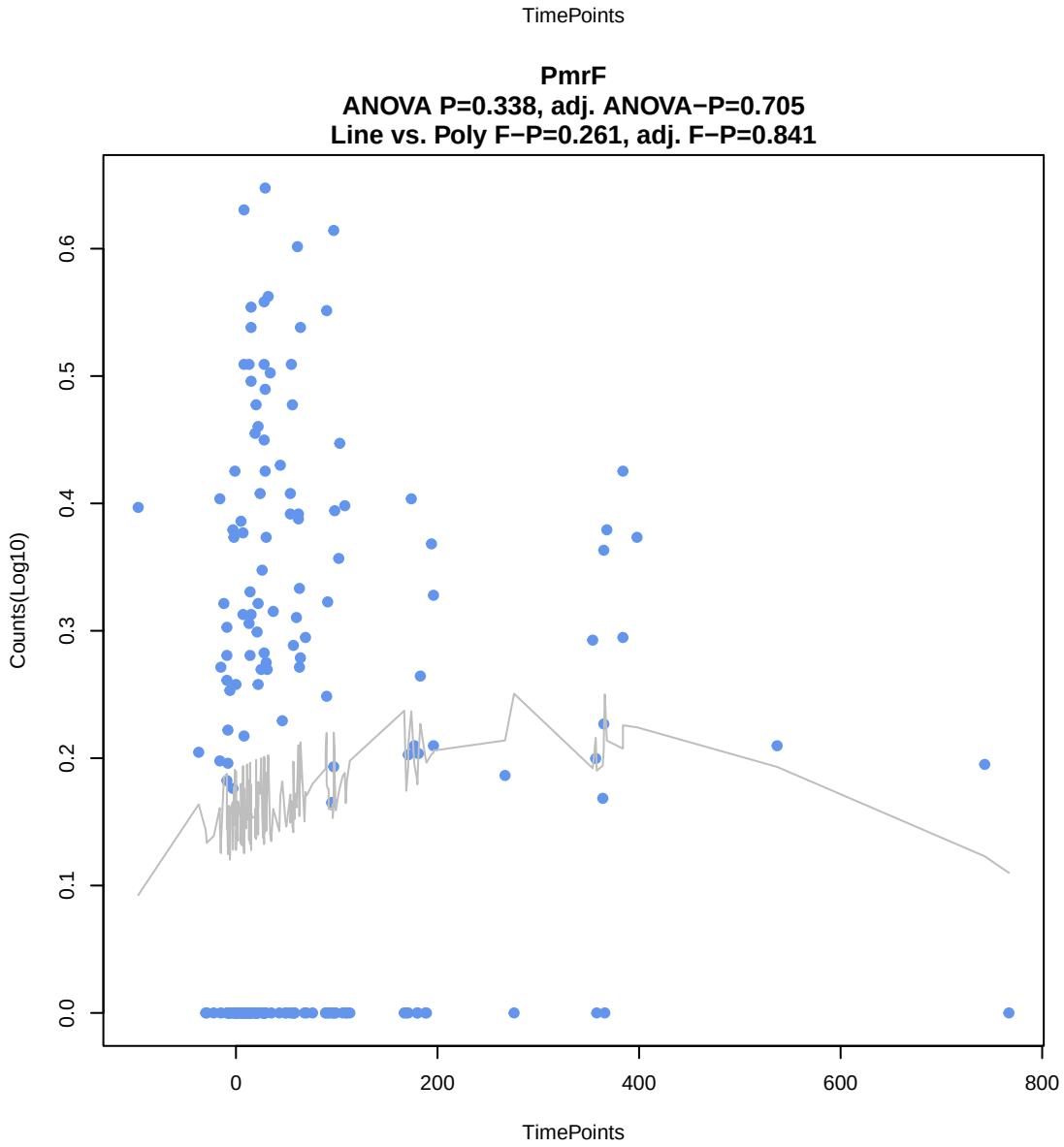


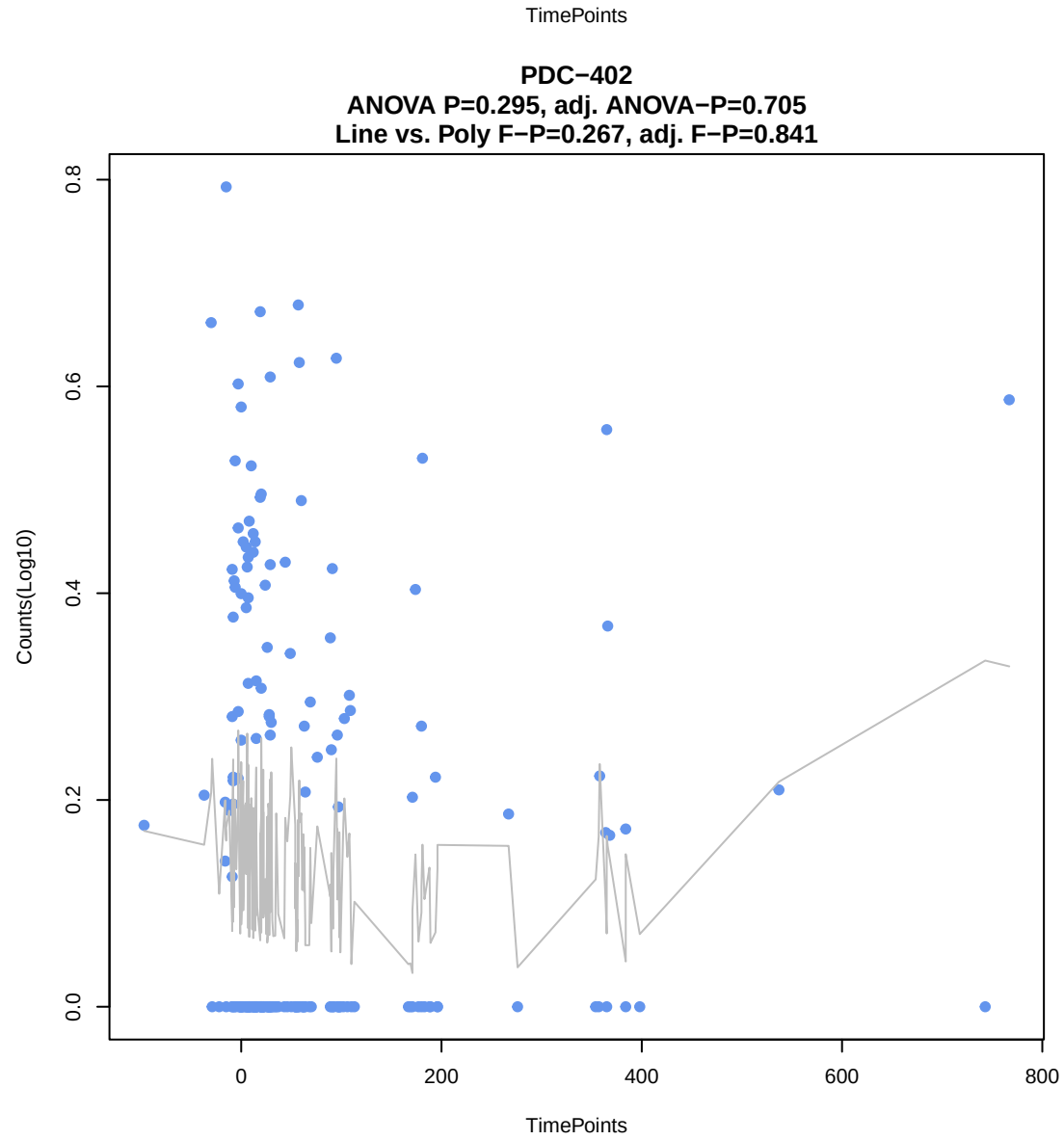

gadW
ANOVA P=0.0599, adj. ANOVA−P=0.399
Line vs. Poly F−P=0.22, adj. F−P=0.841
Counts(Log10)
TimePoints

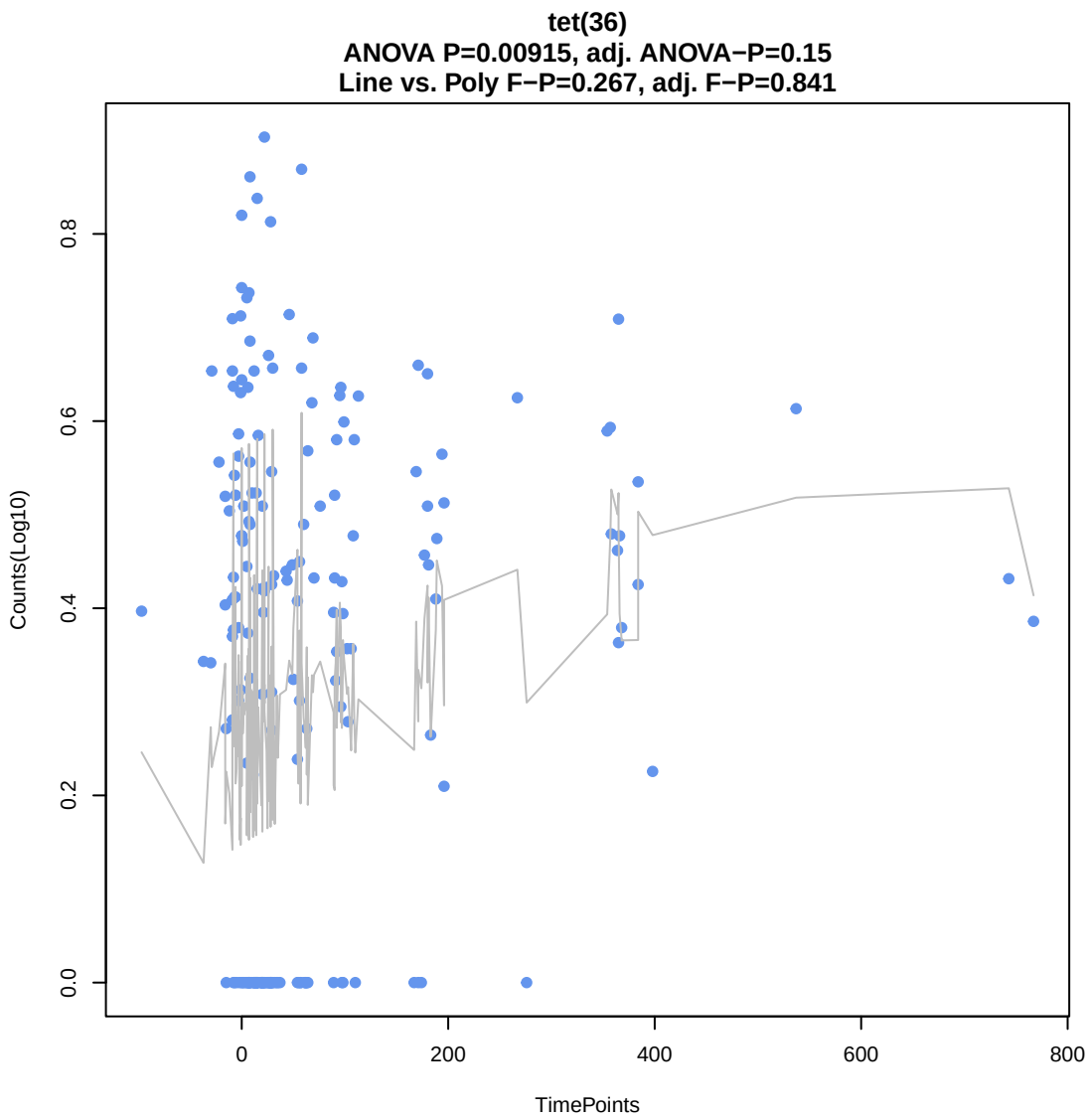

cpxA
ANOVA P=0.55, adj. ANOVA−P=0.779
Line vs. Poly F−P=0.237, adj. F−P=0.841
Counts(Log10)
TimePoints

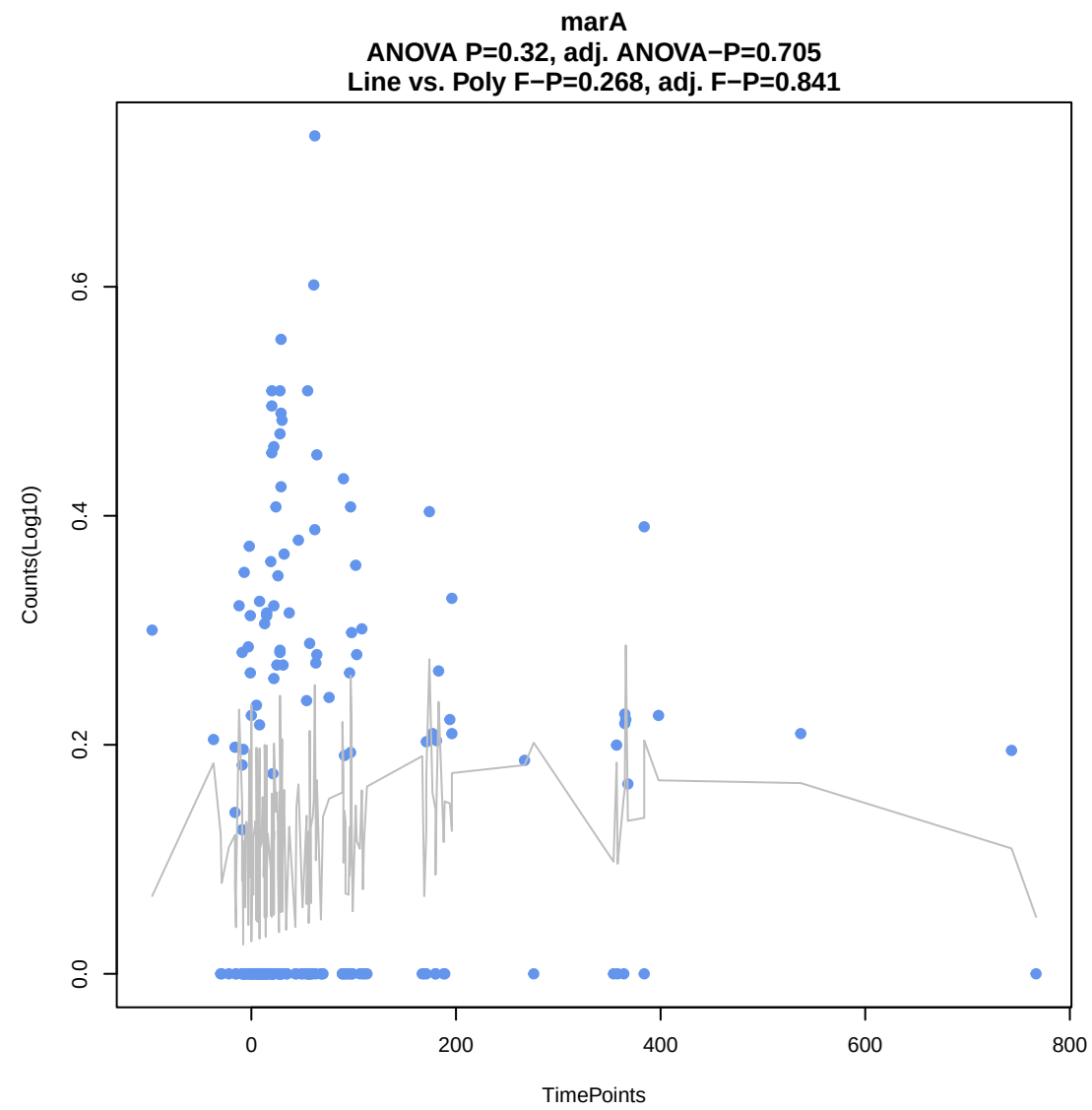

baeS
ANOVA P=0.235, adj. ANOVA−P=0.681
Line vs. Poly F−P=0.238, adj. F−P=0.841
Counts(Log10)
TimePoints

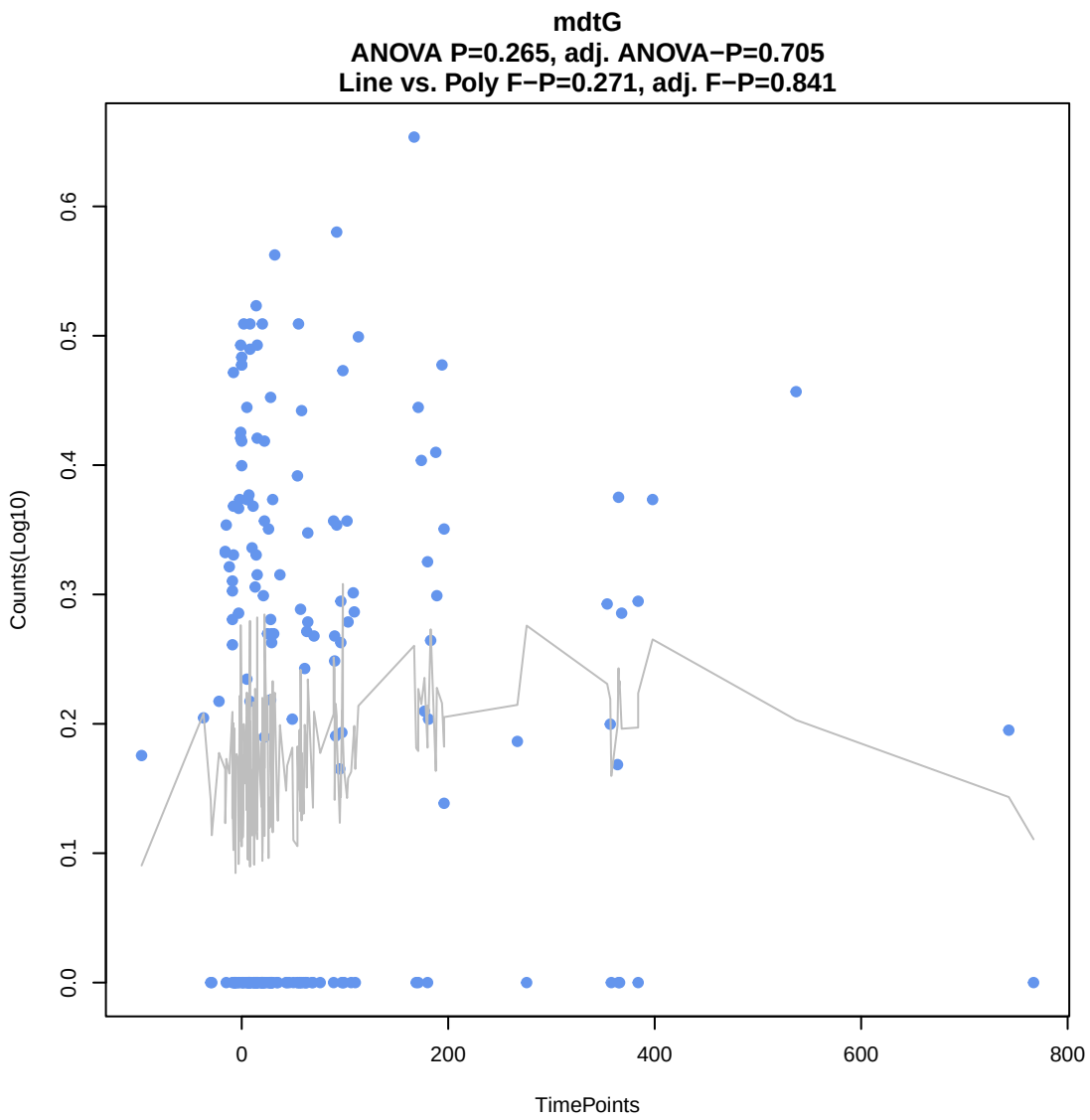

mdtH
ANOVA P=0.114, adj. ANOVA−P=0.495
Line vs. Poly F−P=0.252, adj. F−P=0.841
Counts(Log10)
TimePoints

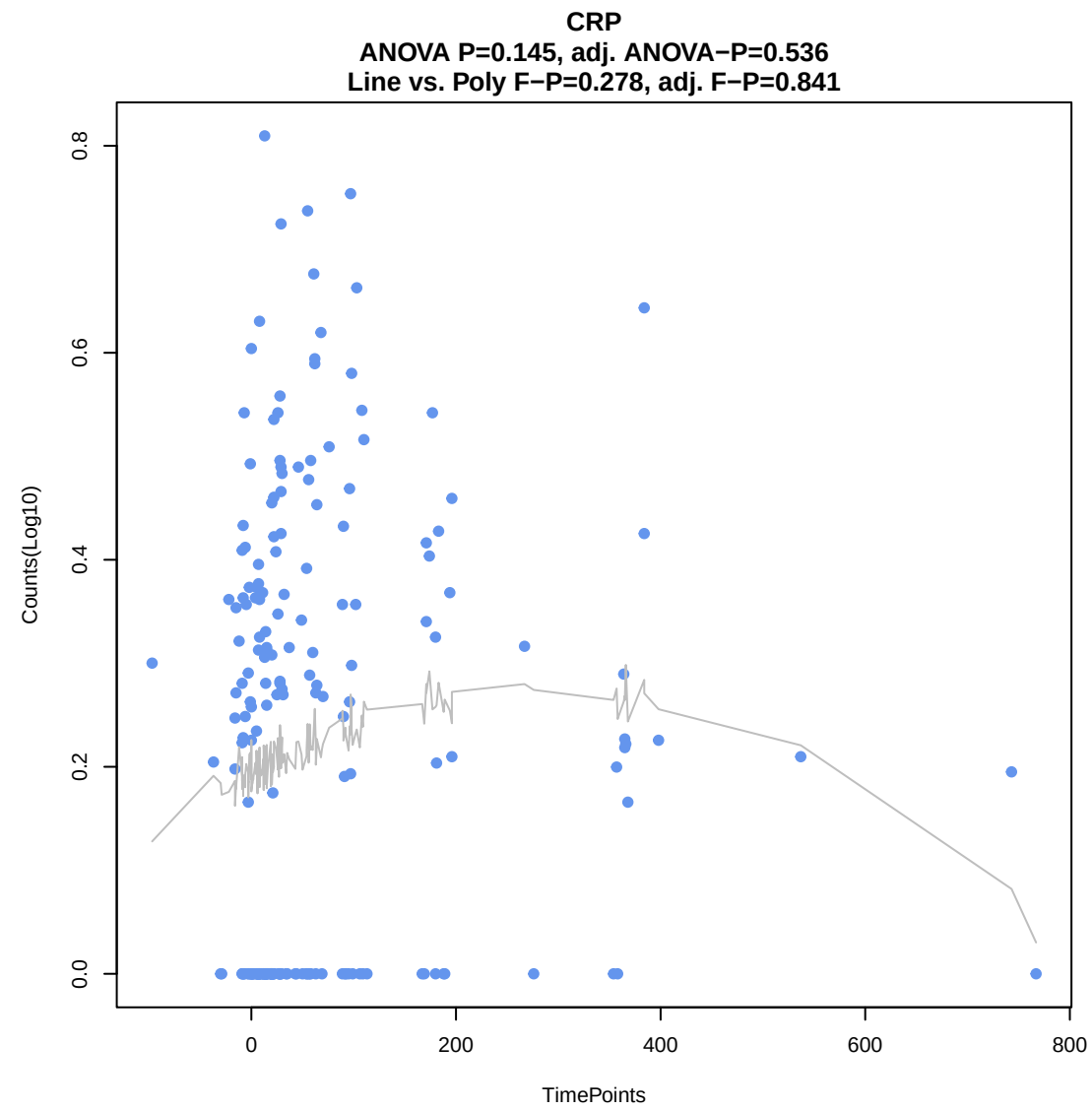

PmrF
ANOVA P=0.338, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.261, adj. F−P=0.841
Counts(Log10)
TimePoints

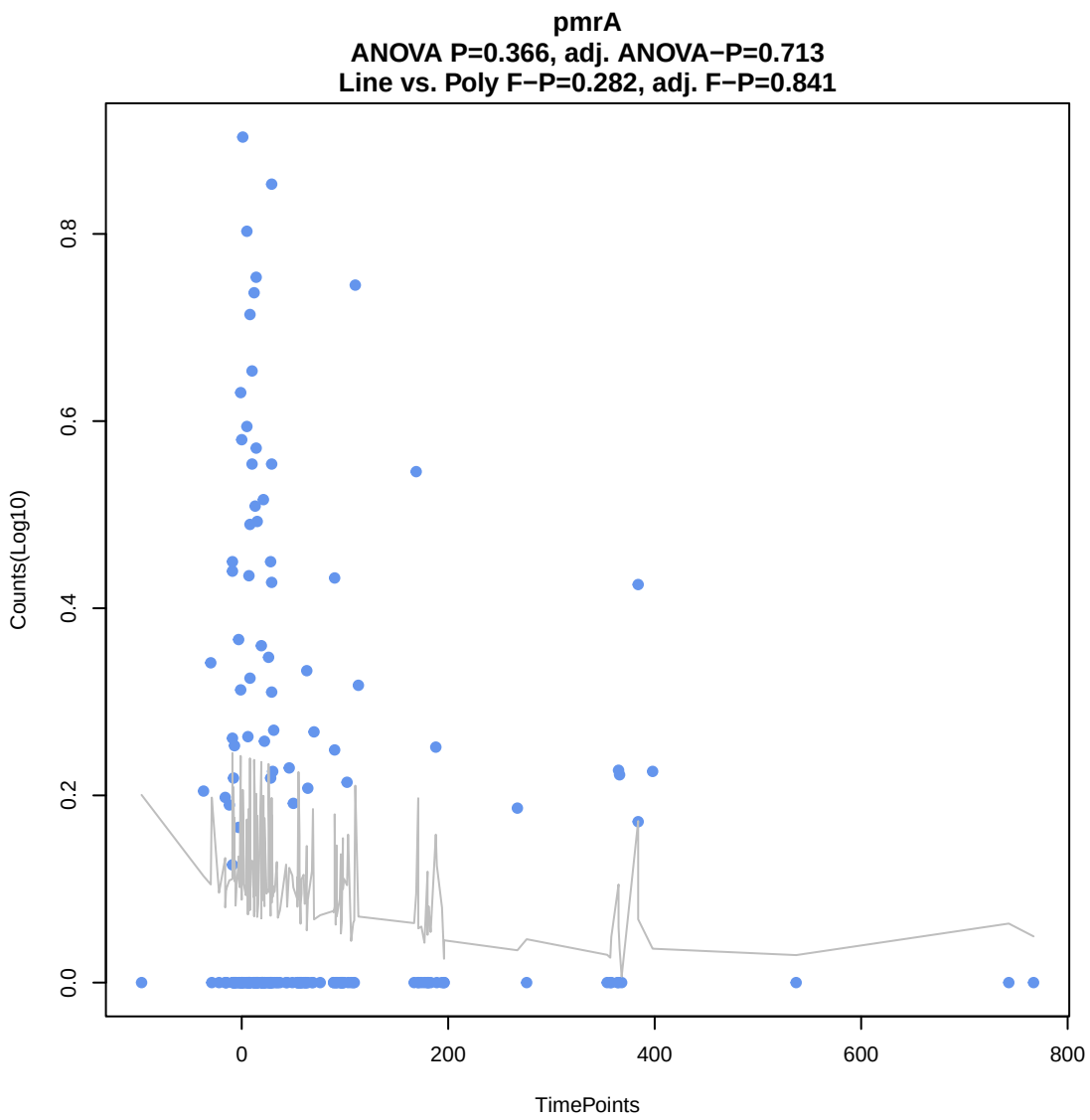

PDC−402
ANOVA P=0.295, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.267, adj. F−P=0.841
Counts(Log10)
TimePoints

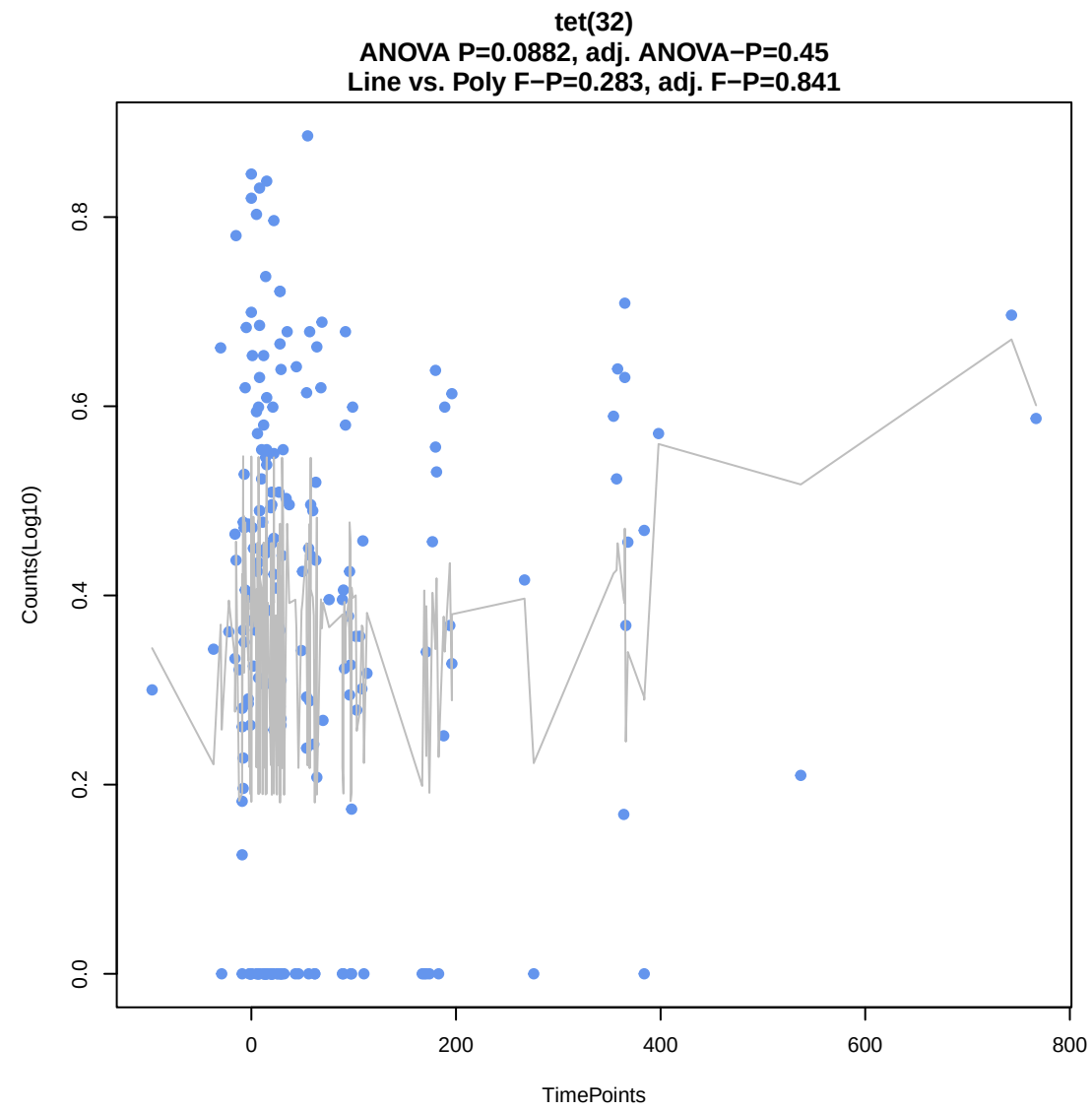

tet(36)
ANOVA P=0.00915, adj. ANOVA−P=0.15
Line vs. Poly F−P=0.267, adj. F−P=0.841
Counts(Log10)
TimePoints

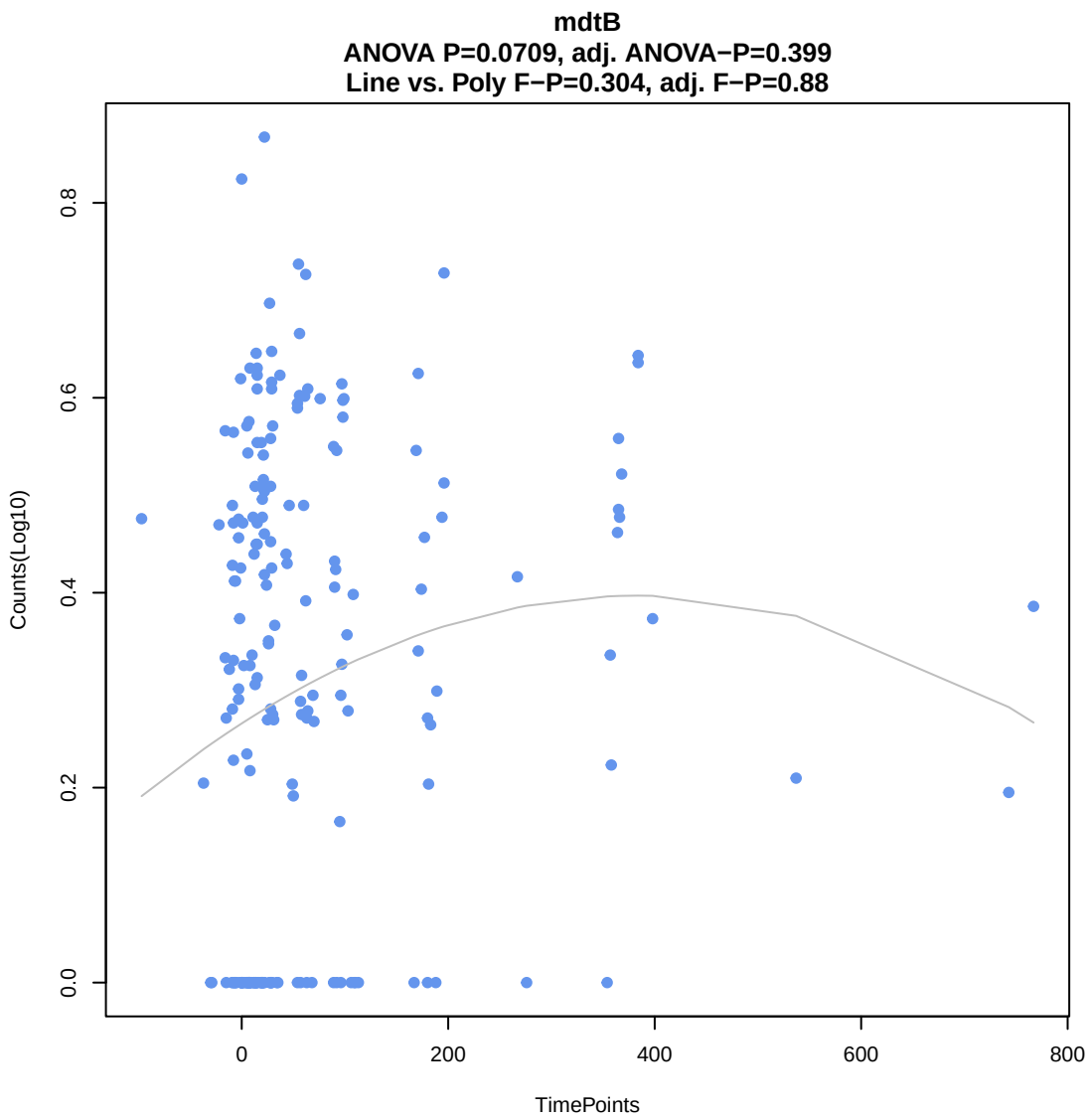

marA
ANOVA P=0.32, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.268, adj. F−P=0.841
Counts(Log10)
TimePoints

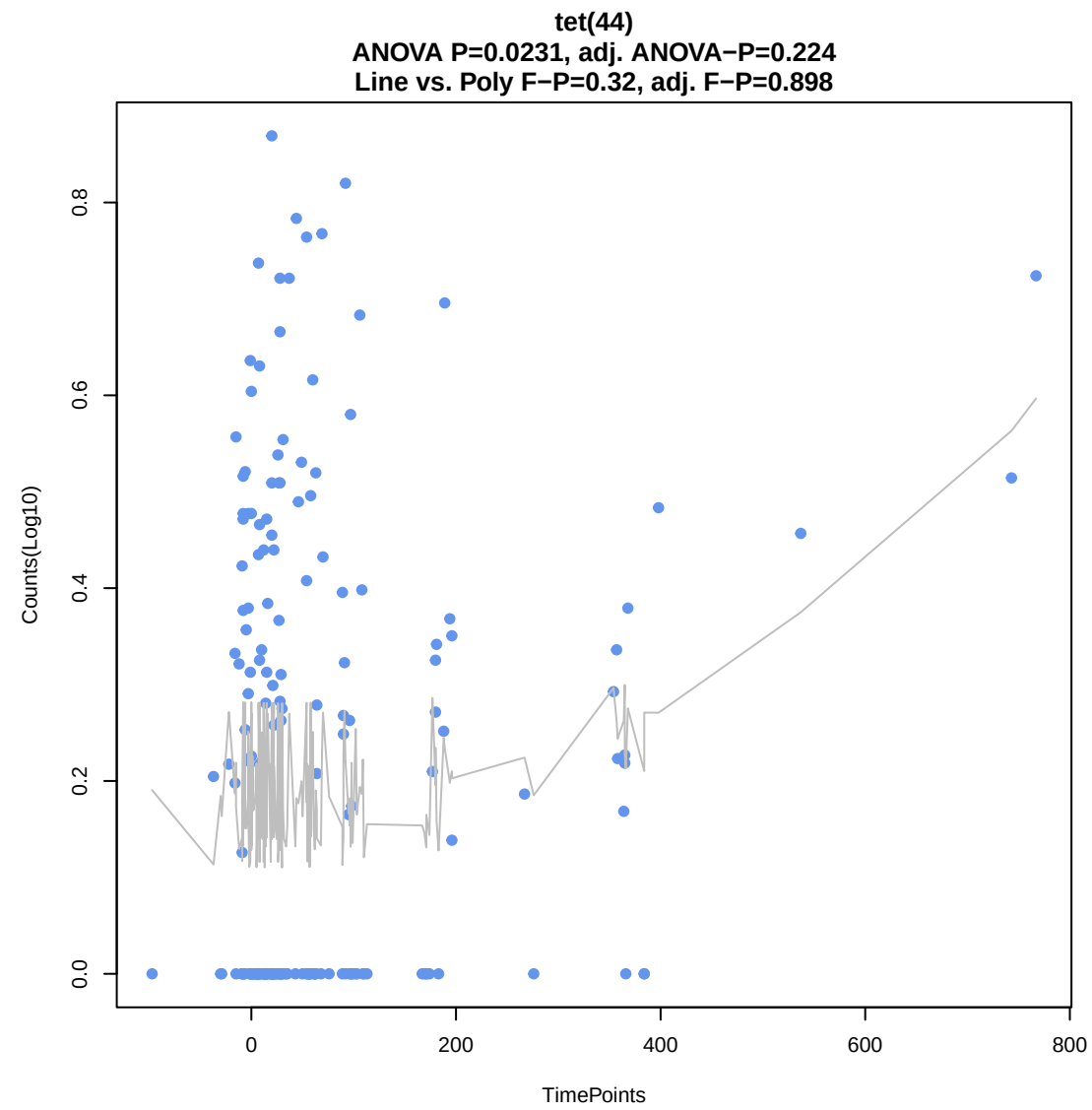

mdtG
ANOVA P=0.265, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.271, adj. F−P=0.841
Counts(Log10)
TimePoints

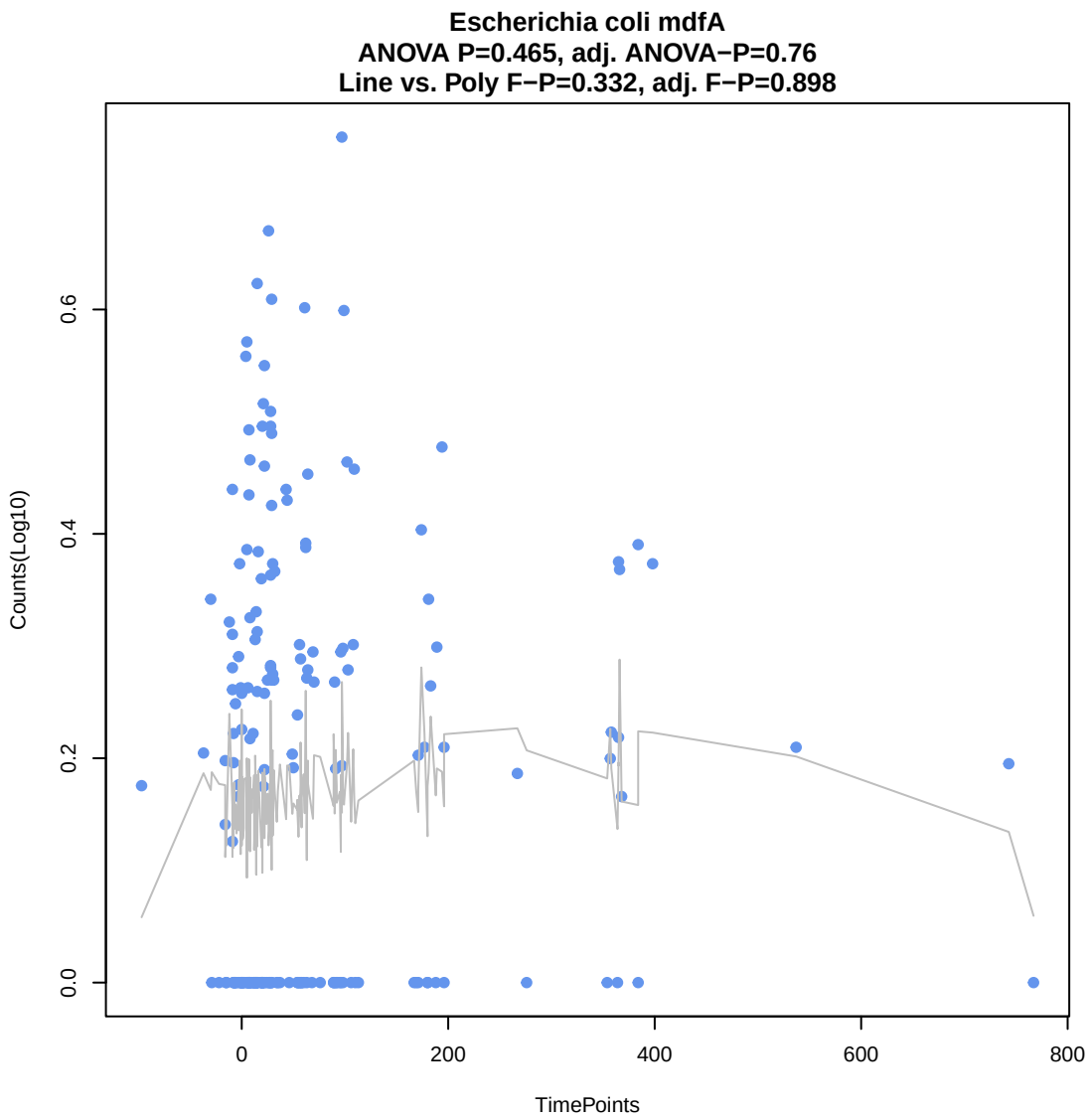

CRP
ANOVA P=0.145, adj. ANOVA−P=0.536
Line vs. Poly F−P=0.278, adj. F−P=0.841
Counts(Log10)
TimePoints

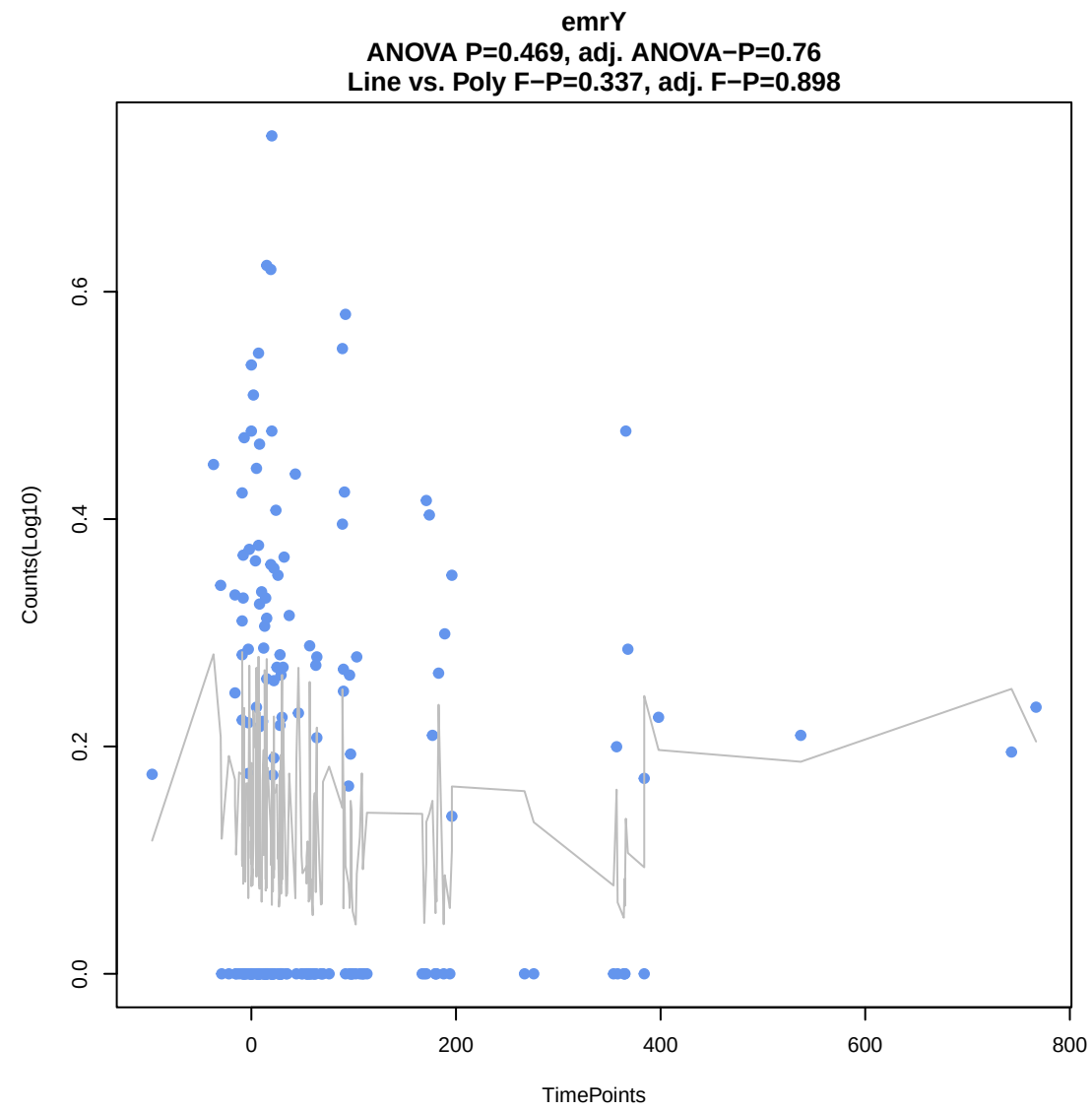

pmrA
ANOVA P=0.366, adj. ANOVA−P=0.713
Line vs. Poly F−P=0.282, adj. F−P=0.841
Counts(Log10)
TimePoints

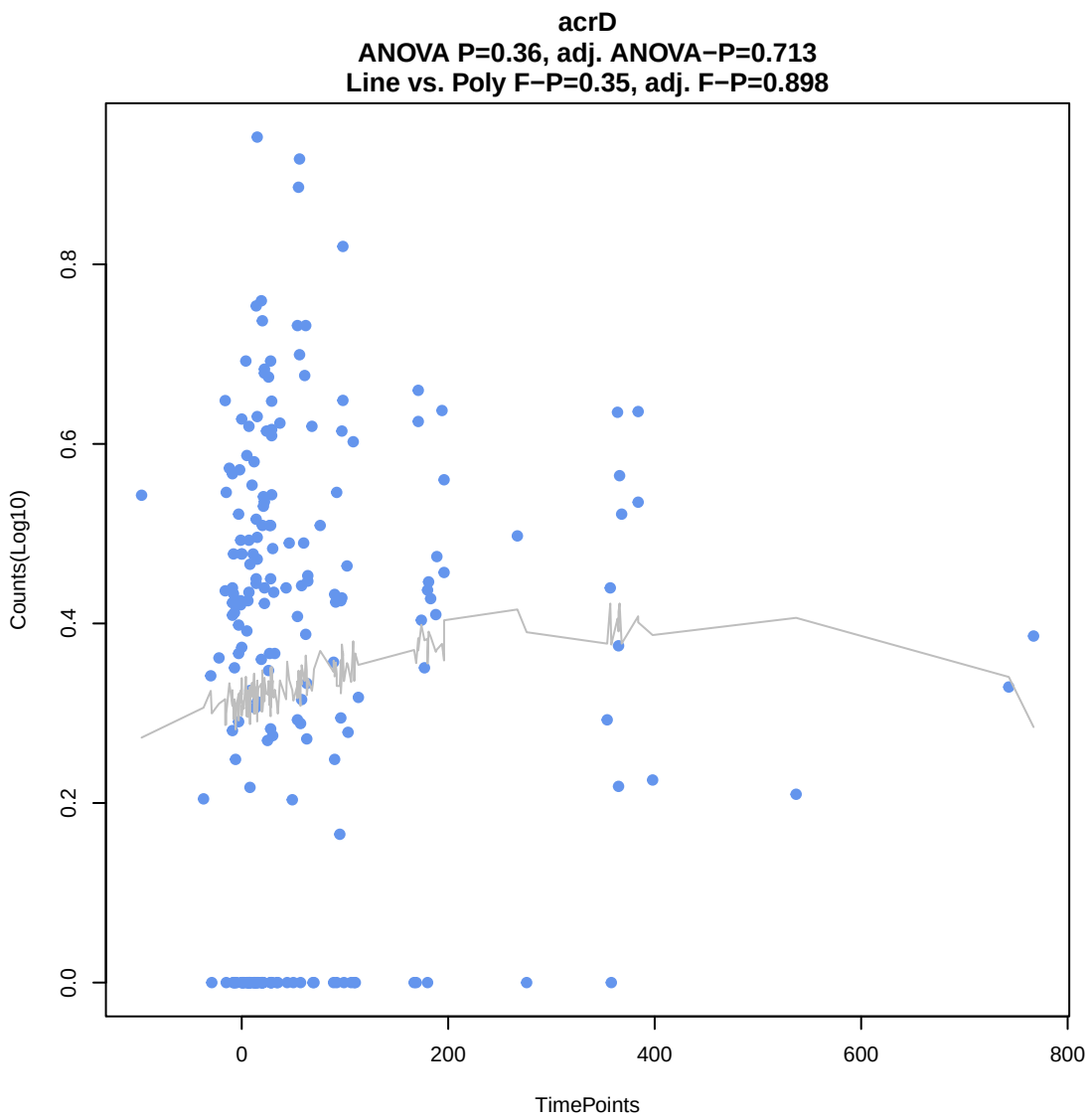

tet(32)
ANOVA P=0.0882, adj. ANOVA−P=0.45
Line vs. Poly F−P=0.283, adj. F−P=0.841
Counts(Log10)
TimePoints

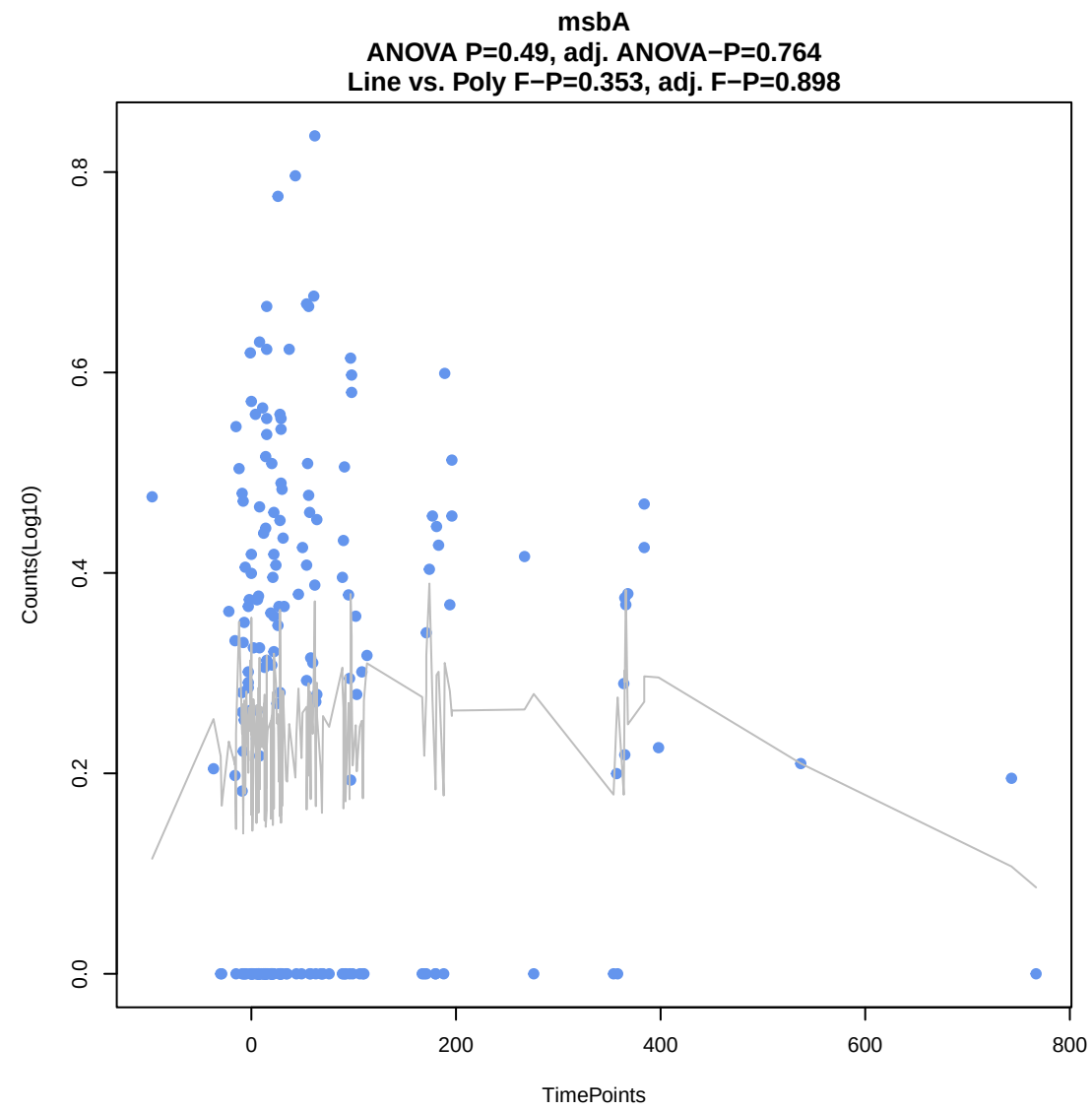

mdtB
ANOVA P=0.0709, adj. ANOVA−P=0.399
Line vs. Poly F−P=0.304, adj. F−P=0.88
Counts(Log10)
TimePoints

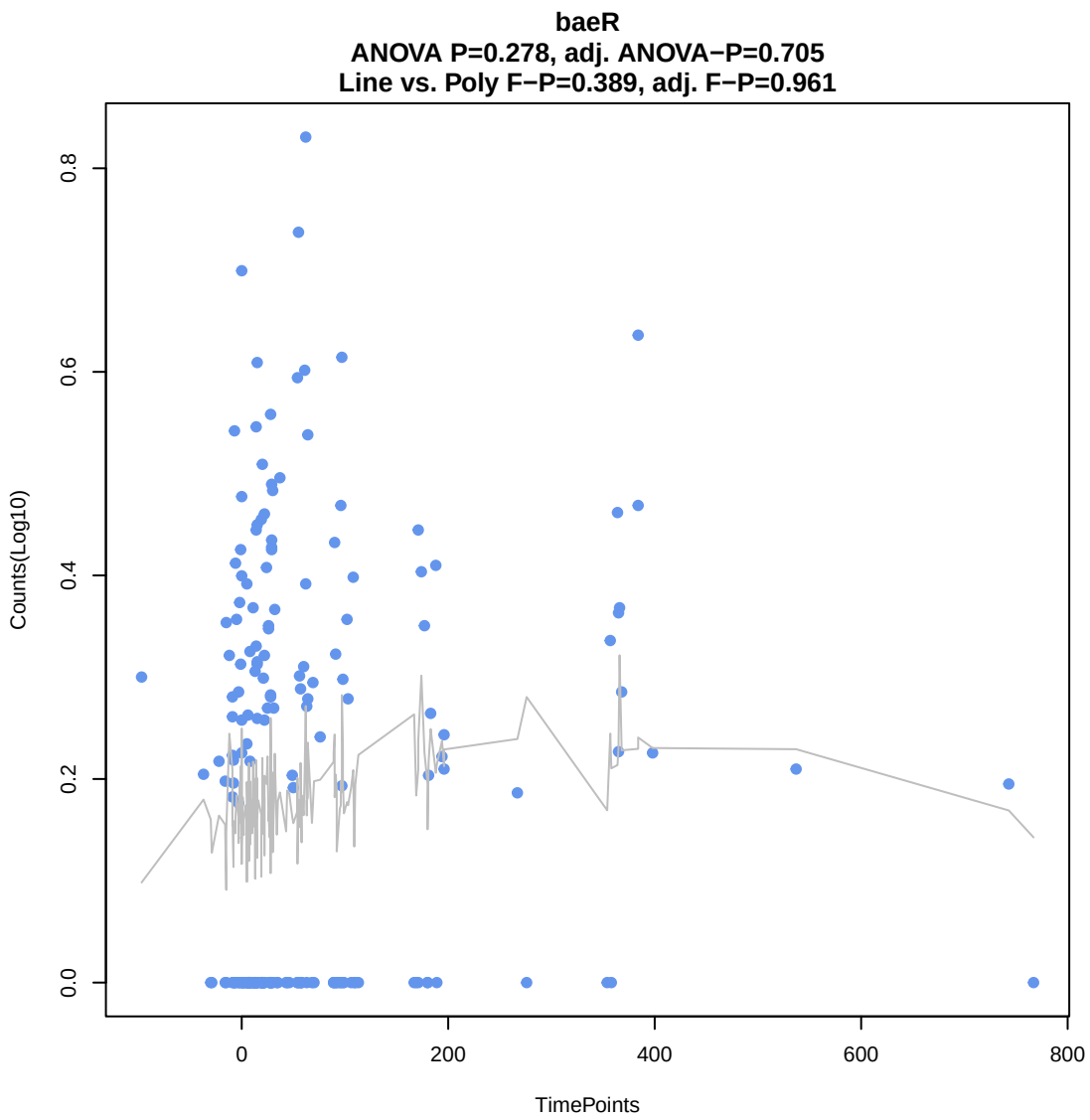

tet(44)
ANOVA P=0.0231, adj. ANOVA−P=0.224
Line vs. Poly F−P=0.32, adj. F−P=0.898
Counts(Log10)
TimePoints

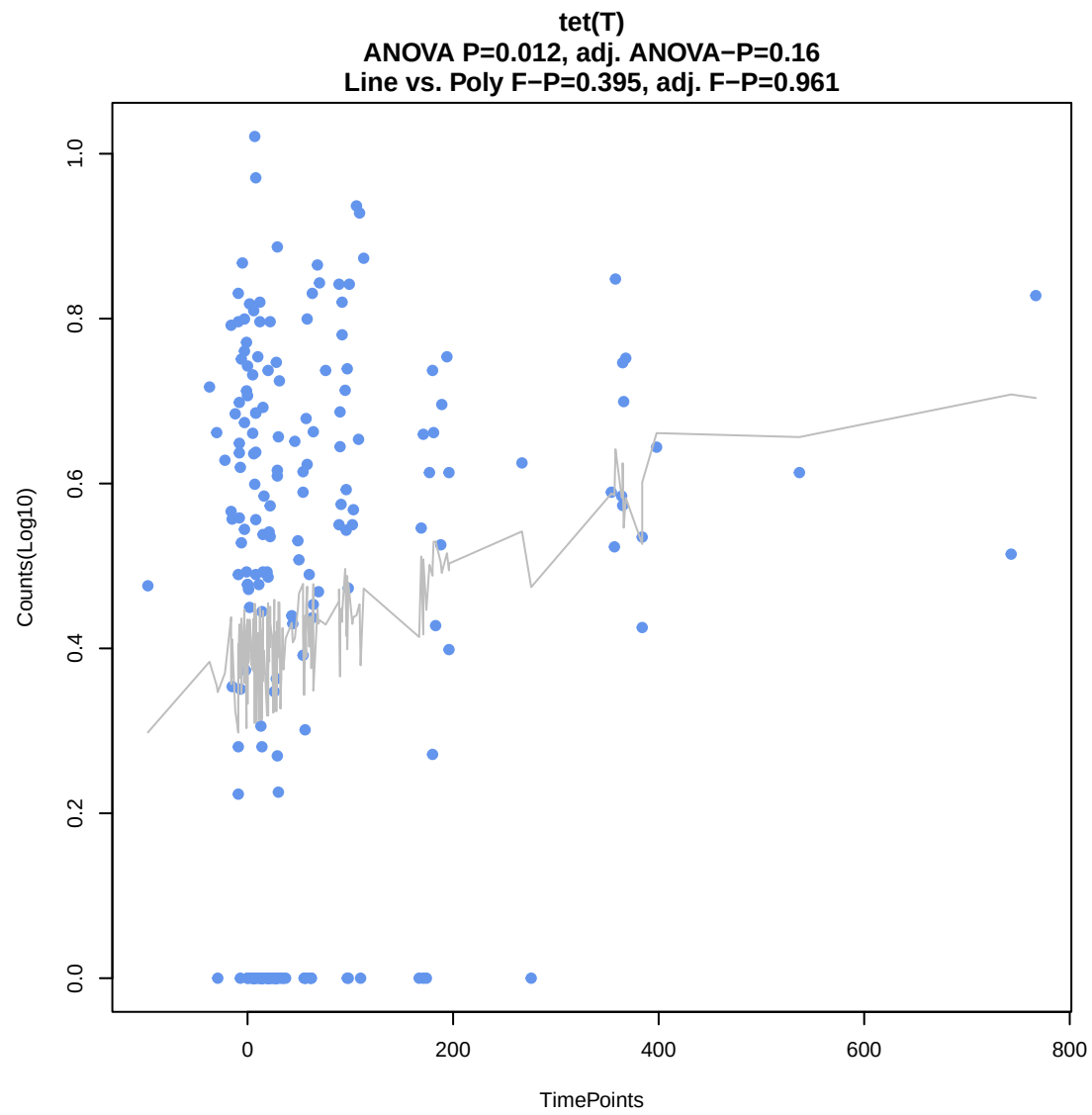

Escherichia coli mdfA
ANOVA P=0.465, adj. ANOVA−P=0.76
Line vs. Poly F−P=0.332, adj. F−P=0.898
Counts(Log10)
TimePoints

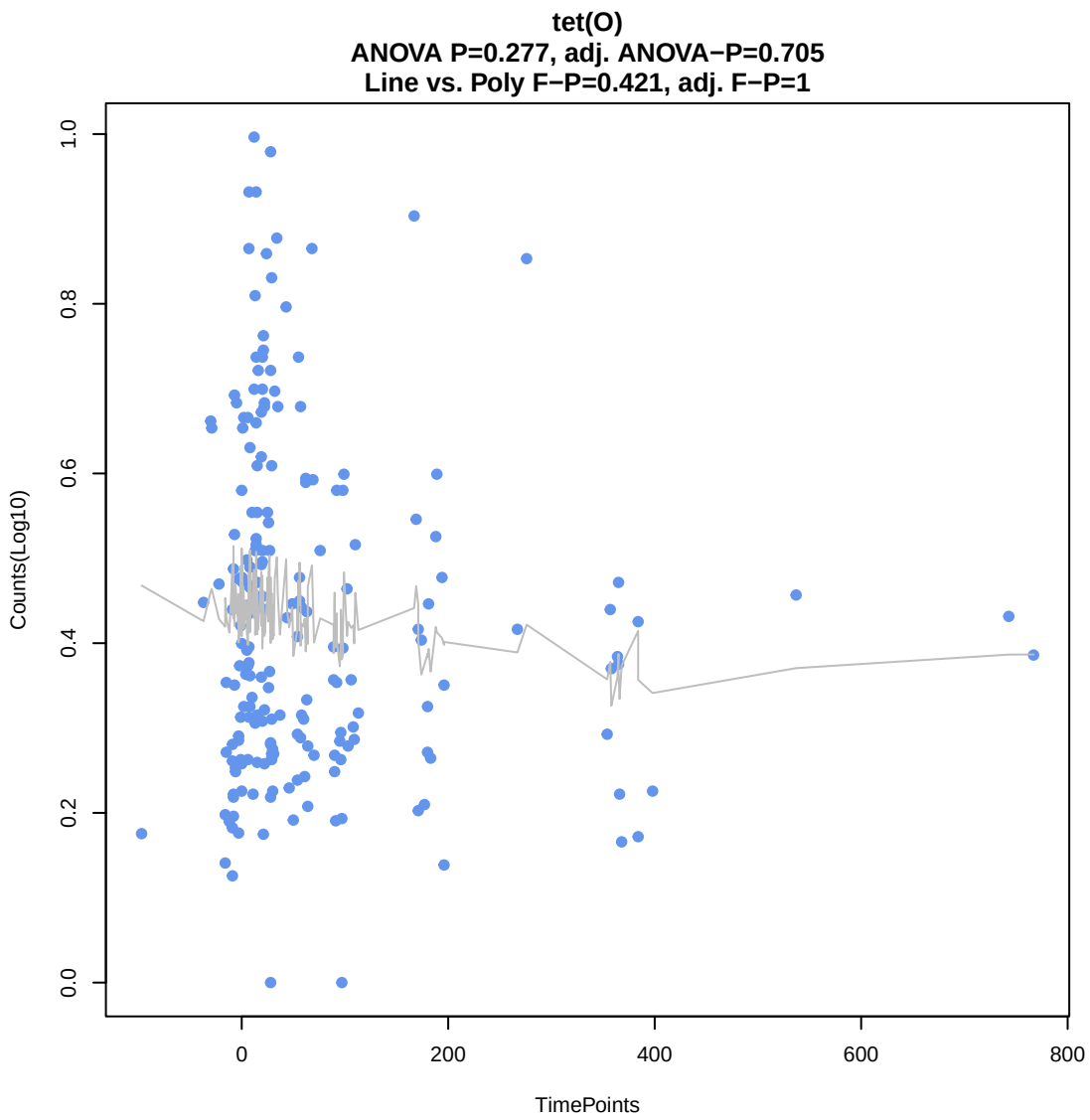

emrY
ANOVA P=0.469, adj. ANOVA−P=0.76
Line vs. Poly F−P=0.337, adj. F−P=0.898
Counts(Log10)
TimePoints

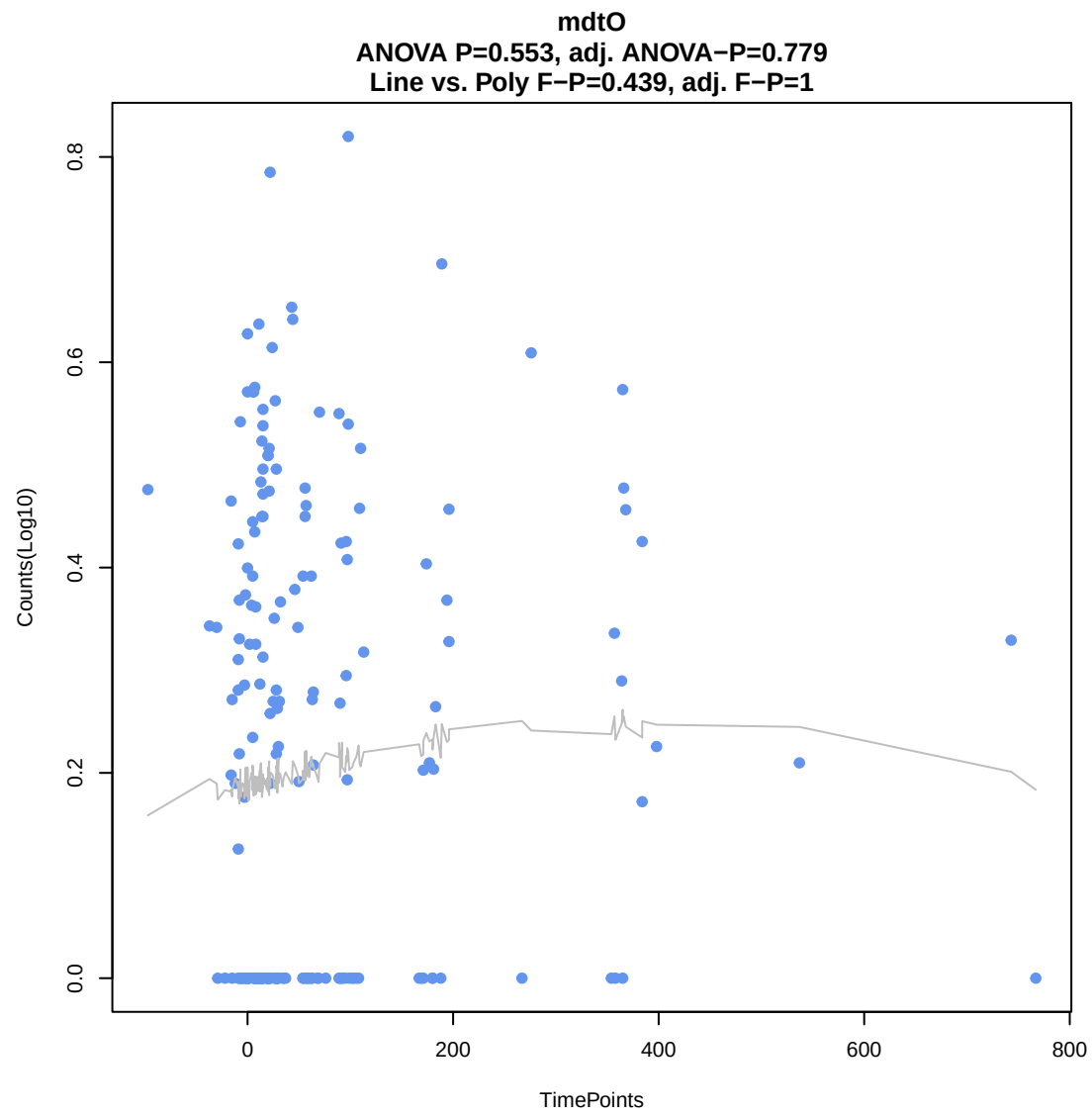

acrD
ANOVA P=0.36, adj. ANOVA−P=0.713
Line vs. Poly F−P=0.35, adj. F−P=0.898
Counts(Log10)
TimePoints

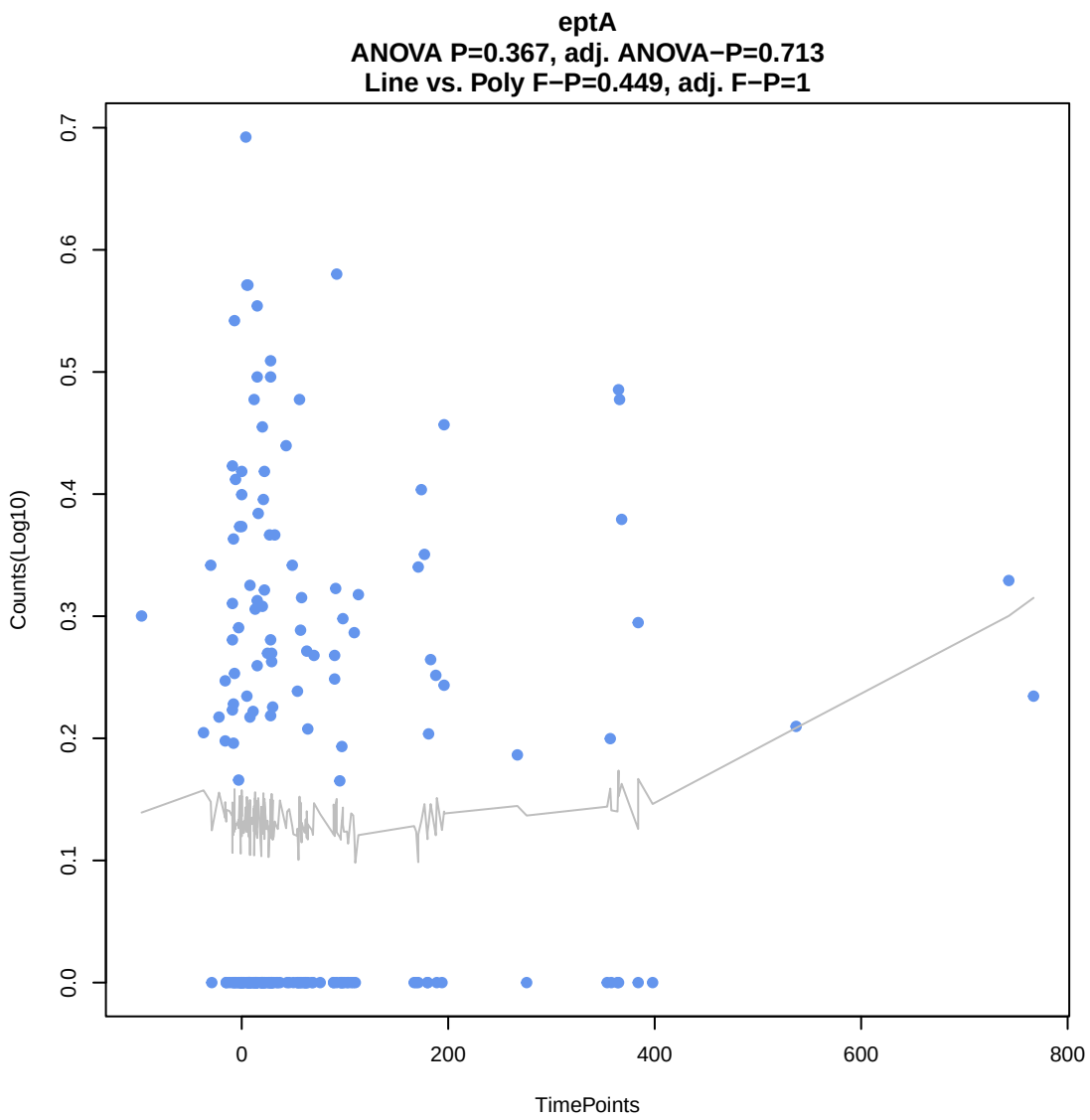

msbA
ANOVA P=0.49, adj. ANOVA−P=0.764
Line vs. Poly F−P=0.353, adj. F−P=0.898
Counts(Log10)
TimePoints

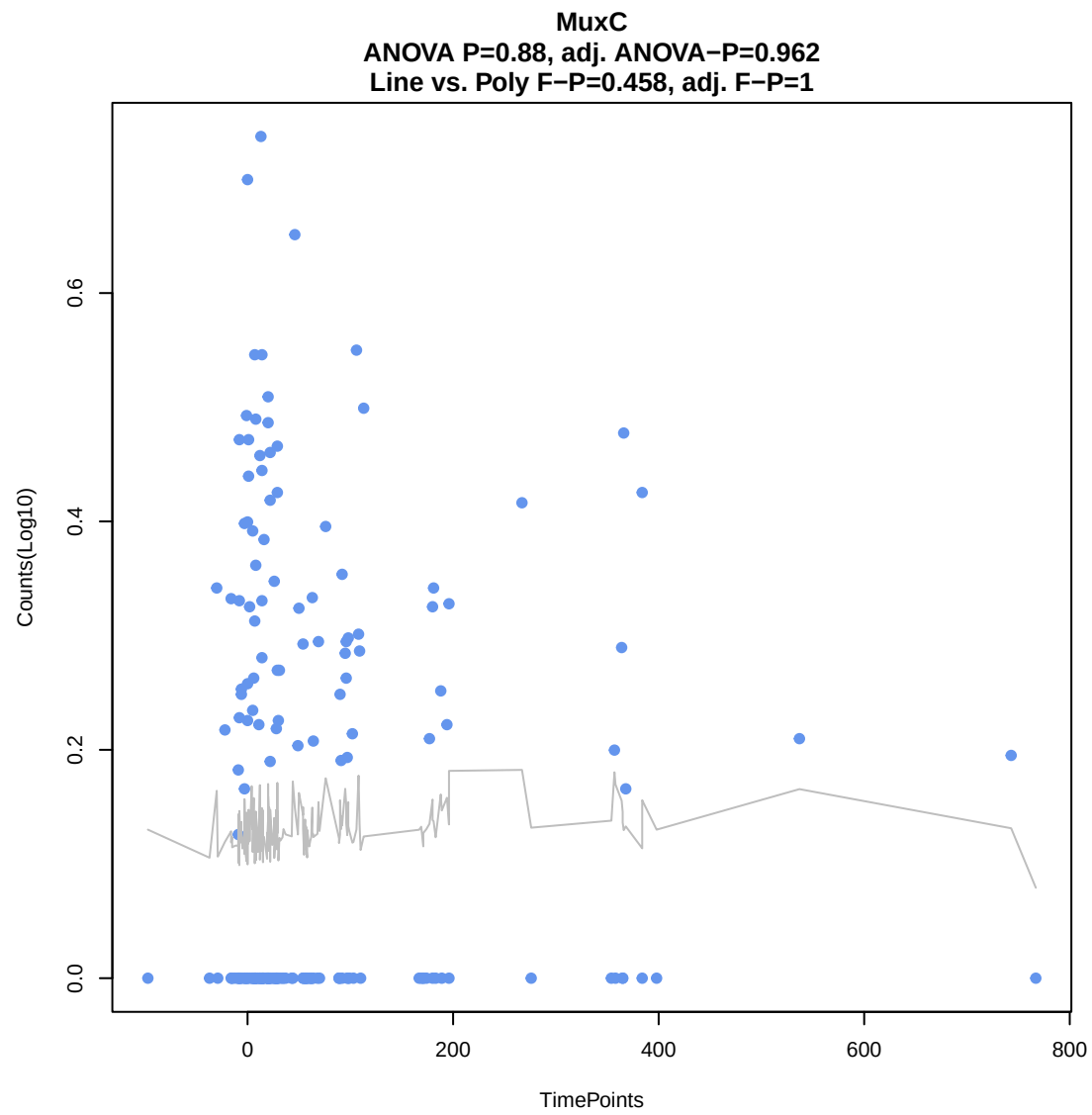

baeR
ANOVA P=0.278, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.389, adj. F−P=0.961
Counts(Log10)
TimePoints


tet(T)
ANOVA P=0.012, adj. ANOVA−P=0.16
Line vs. Poly F−P=0.395, adj. F−P=0.961
Counts(Log10)
TimePoints

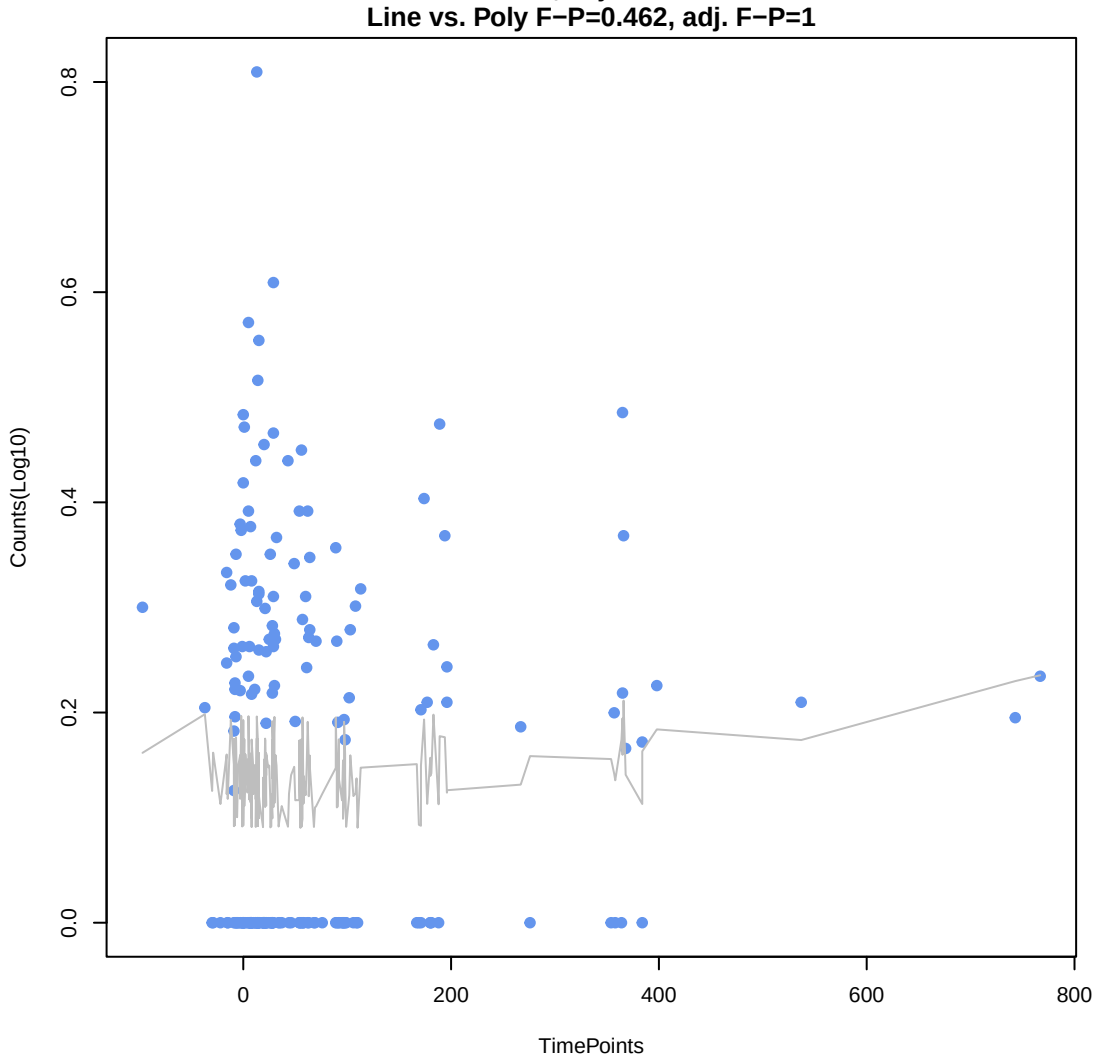

tet(O)
ANOVA P=0.277, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.421, adj. F−P=1
Counts(Log10)
TimePoints


mdtO
ANOVA P=0.553, adj. ANOVA−P=0.779
Line vs. Poly F−P=0.439, adj. F−P=1
Counts(Log10)
TimePoints

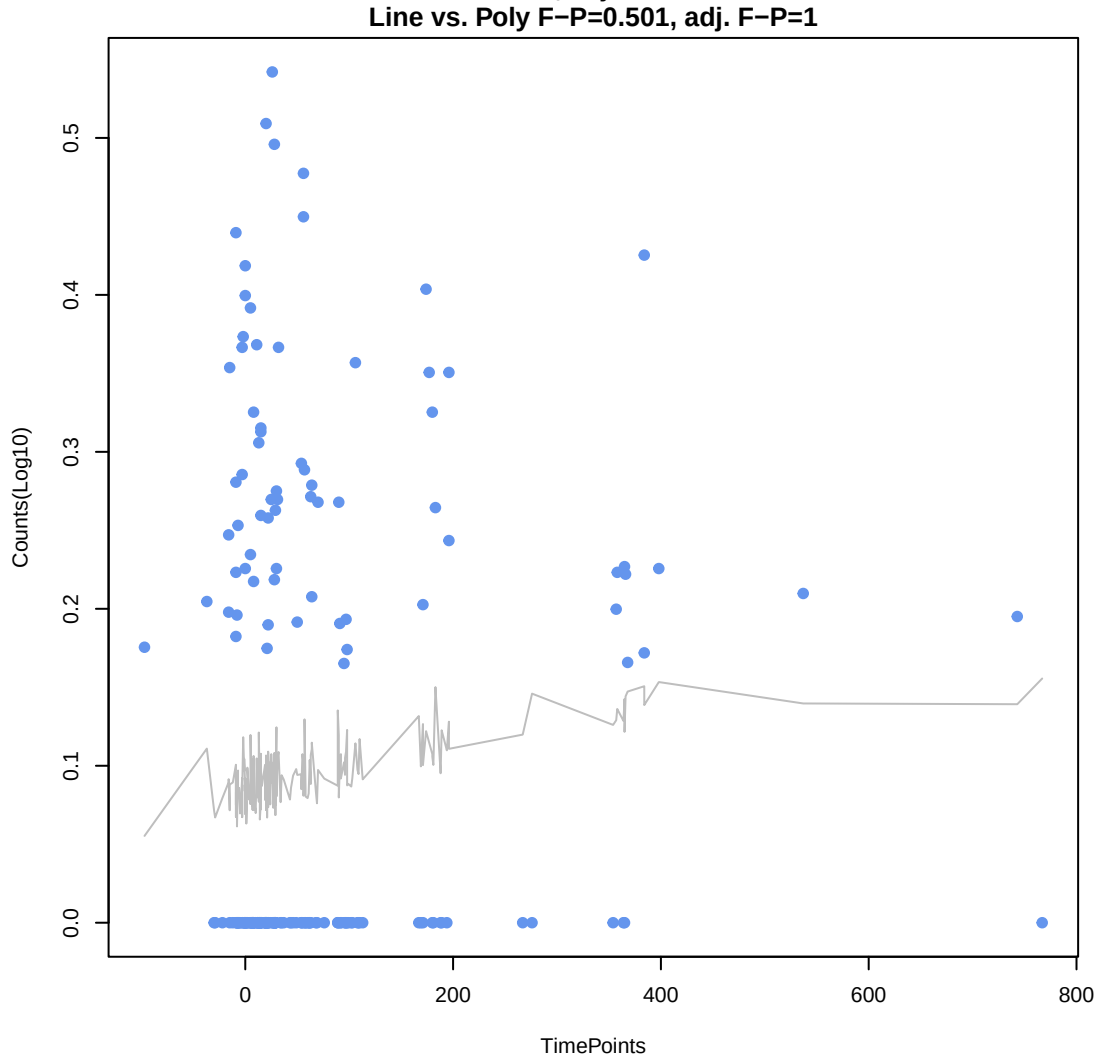

eptA
ANOVA P=0.367, adj. ANOVA−P=0.713
Line vs. Poly F−P=0.449, adj. F−P=1
Counts(Log10)
TimePoints


MuxC
ANOVA P=0.88, adj. ANOVA−P=0.962
Line vs. Poly F−P=0.458, adj. F−P=1
Counts(Log10)
TimePoints

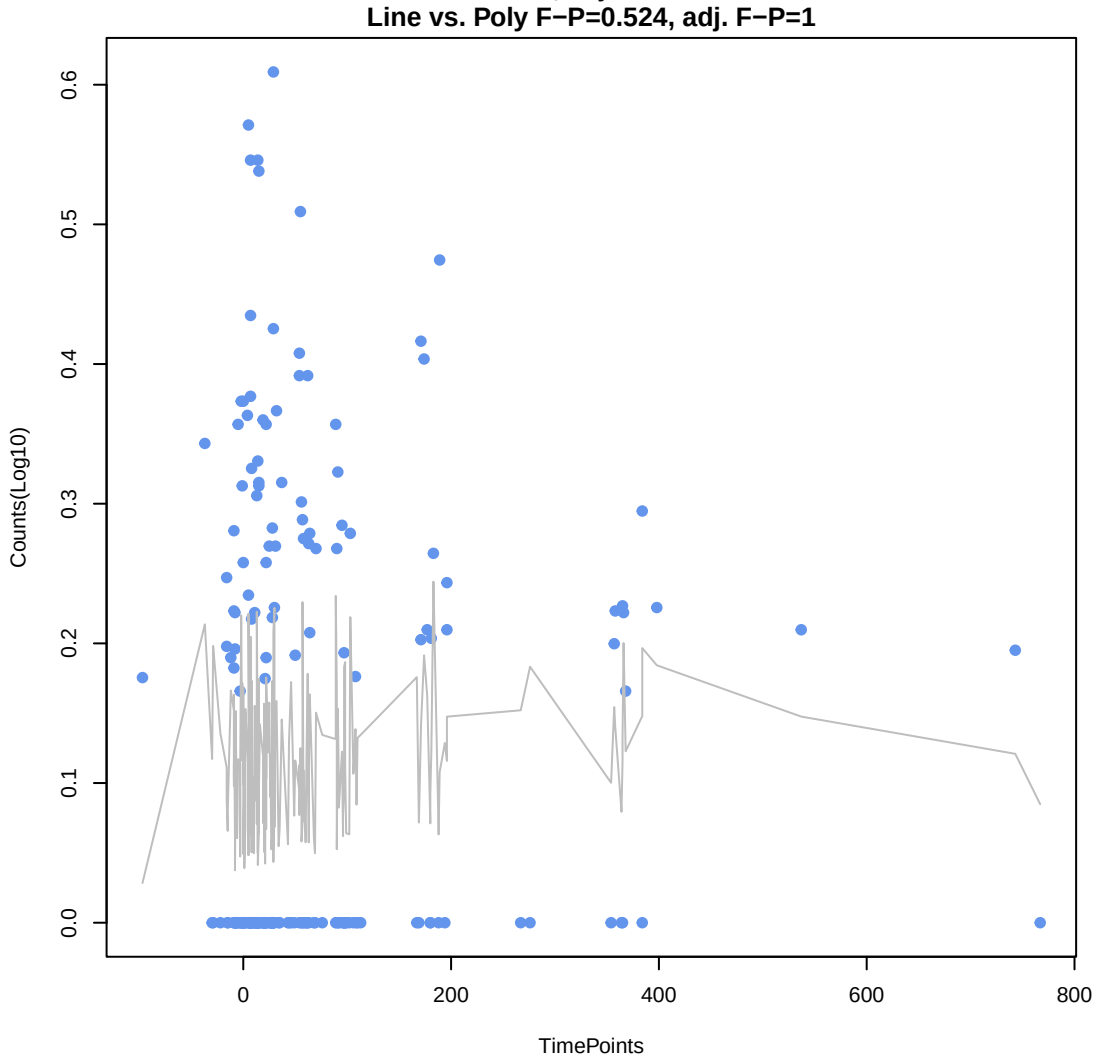
Escherichia coli acrA
ANOVA P=0.593, adj. ANOVA−P=0.793
Line vs. Poly F−P=0.462, adj. F−P=1



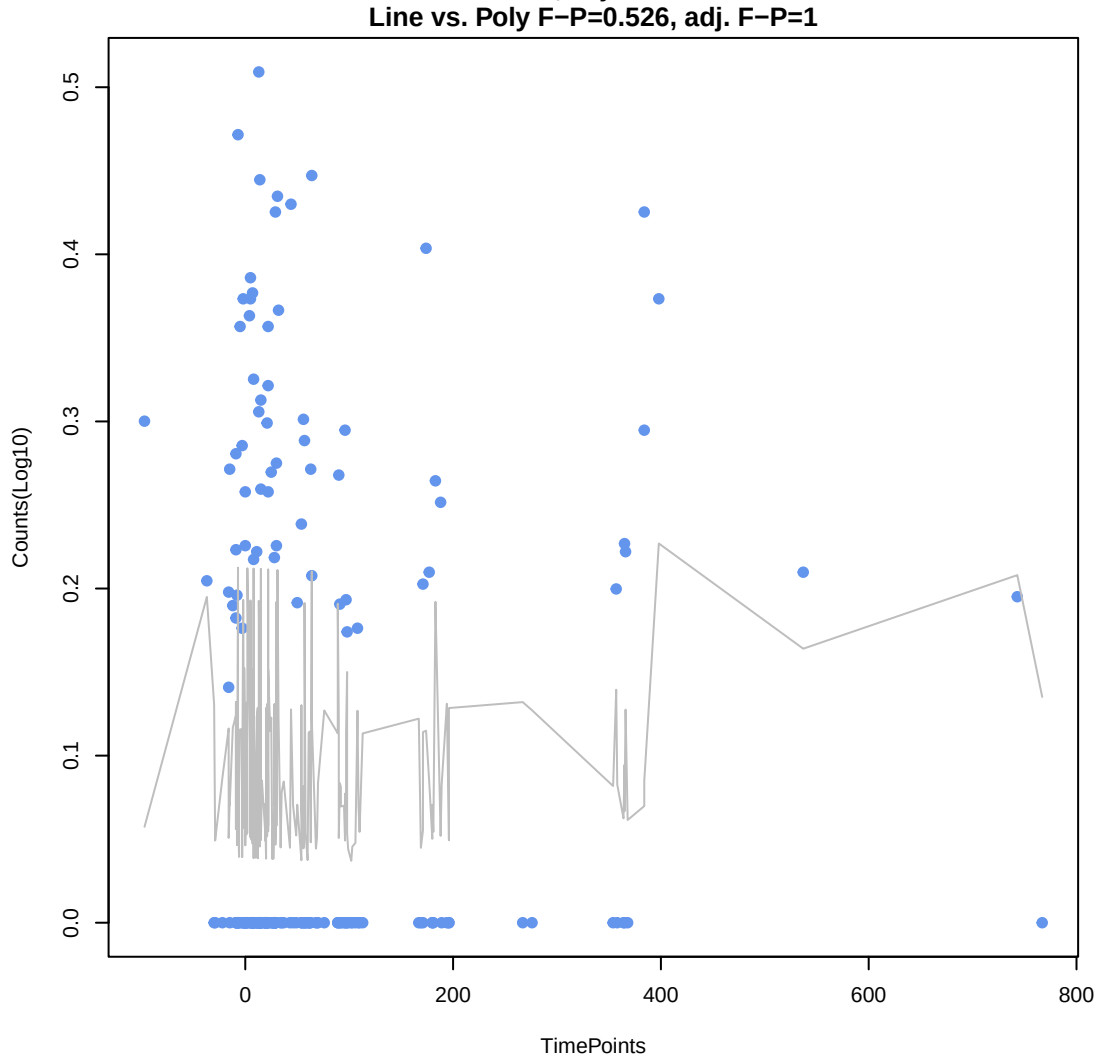
AcrS
ANOVA P=0.306, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.501, adj. F−P=1



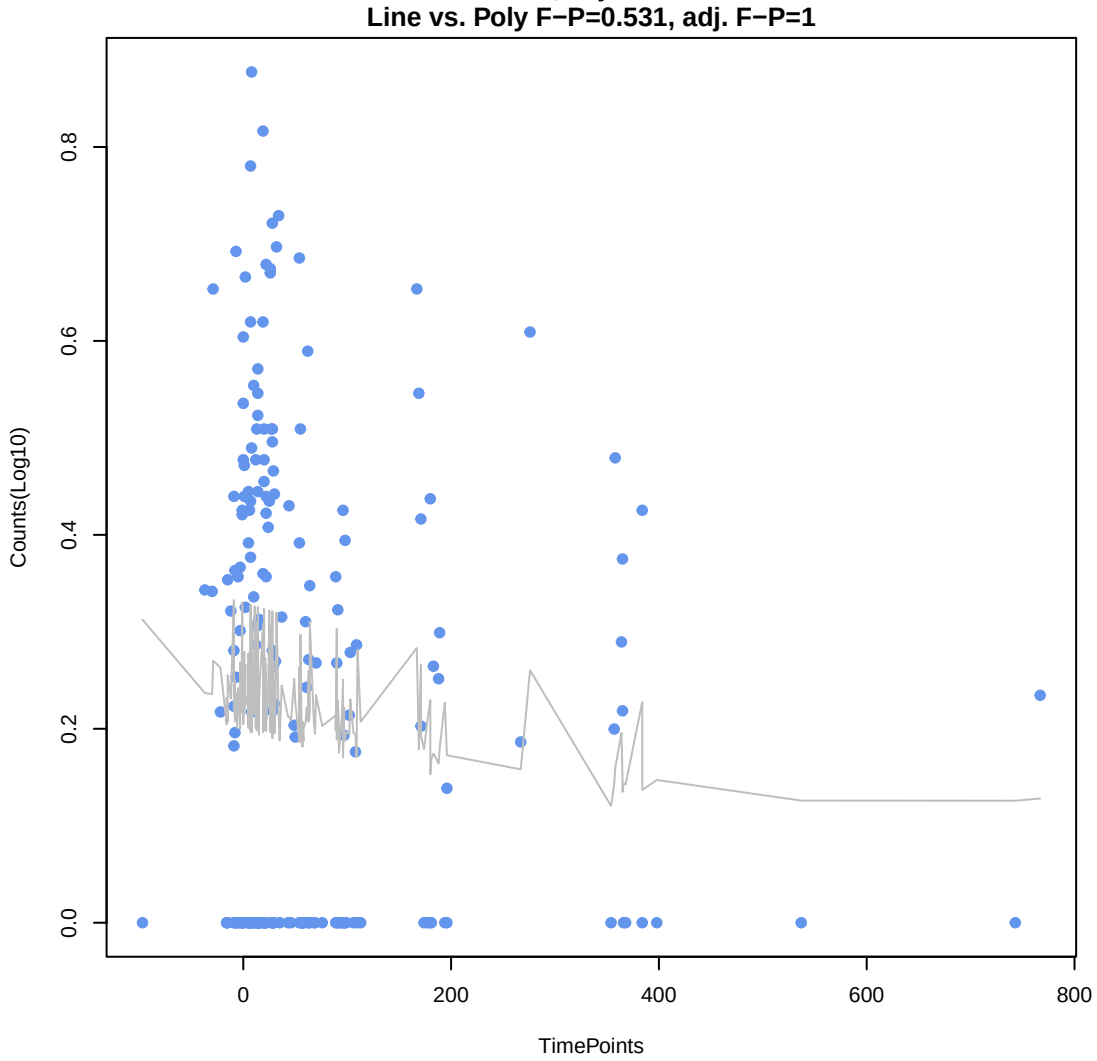
Escherichia coli soxR with mutation conferring antibiotic resistance
ANOVA P=0.651, adj. ANOVA−P=0.849
Line vs. Poly F−P=0.524, adj. F−P=1



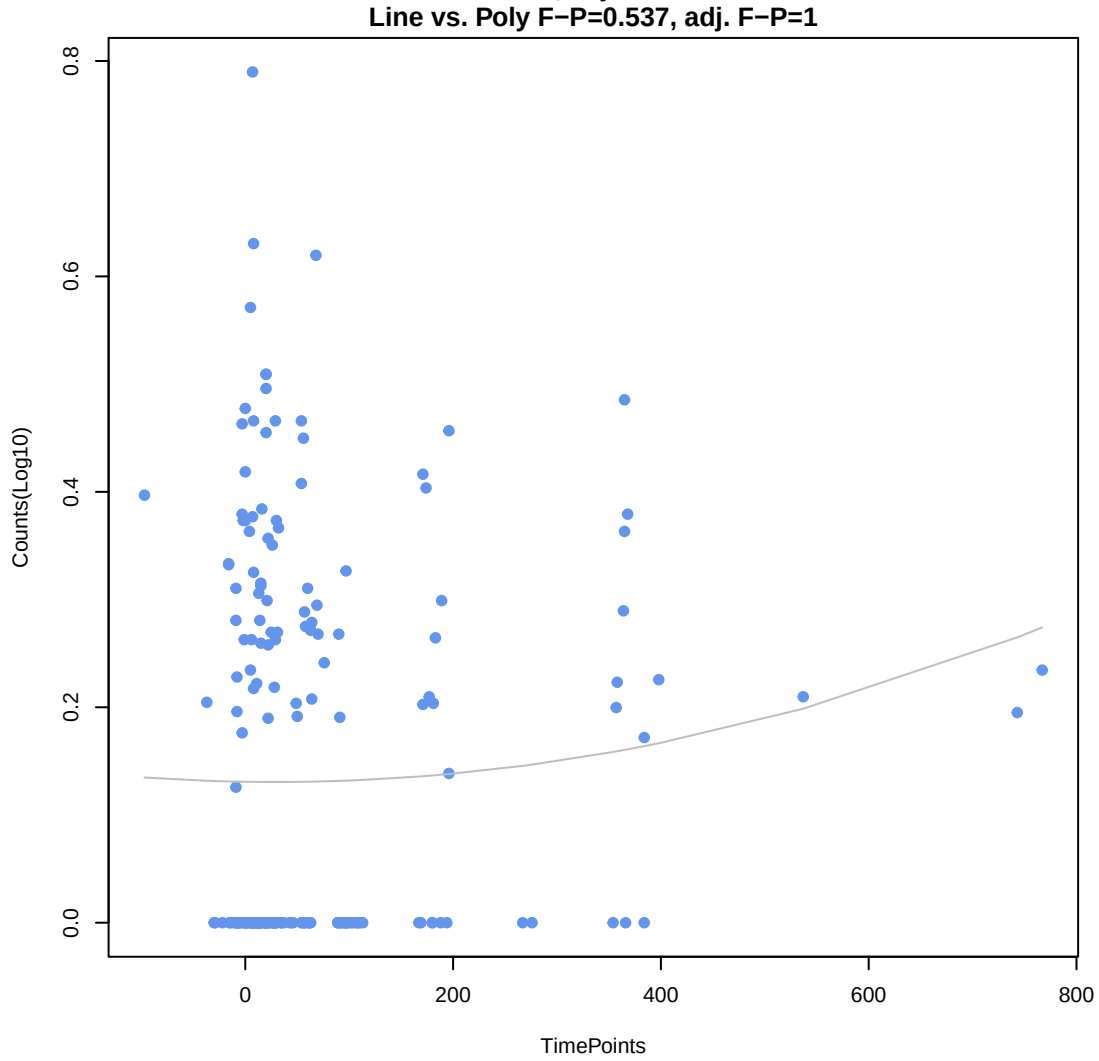
chia coli AcrAB−TolC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline
ANOVA P=0.638, adj. ANOVA−P=0.843
Line vs. Poly F−P=0.526, adj. F−P=1



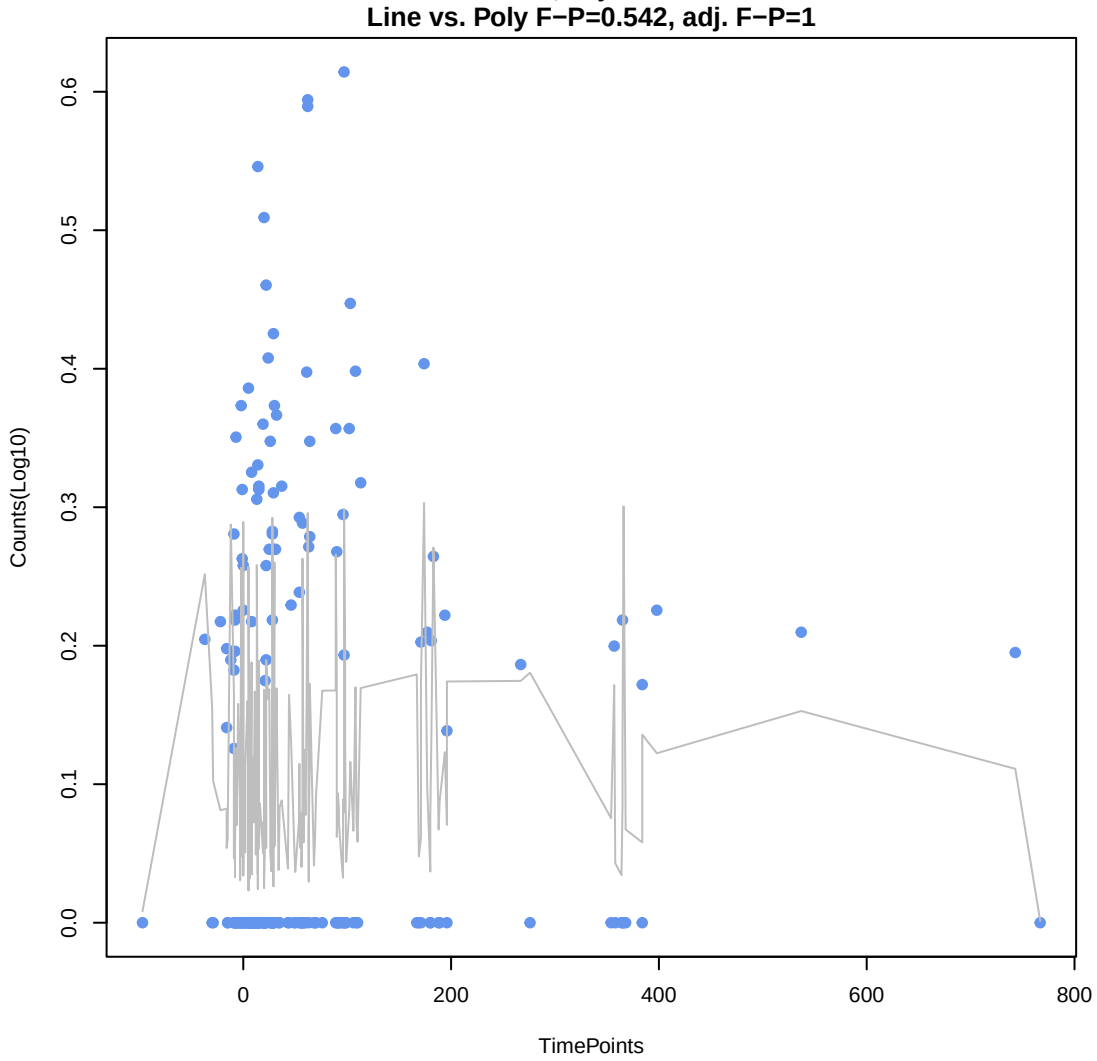
vanA
ANOVA P=0.319, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.531, adj. F−P=1



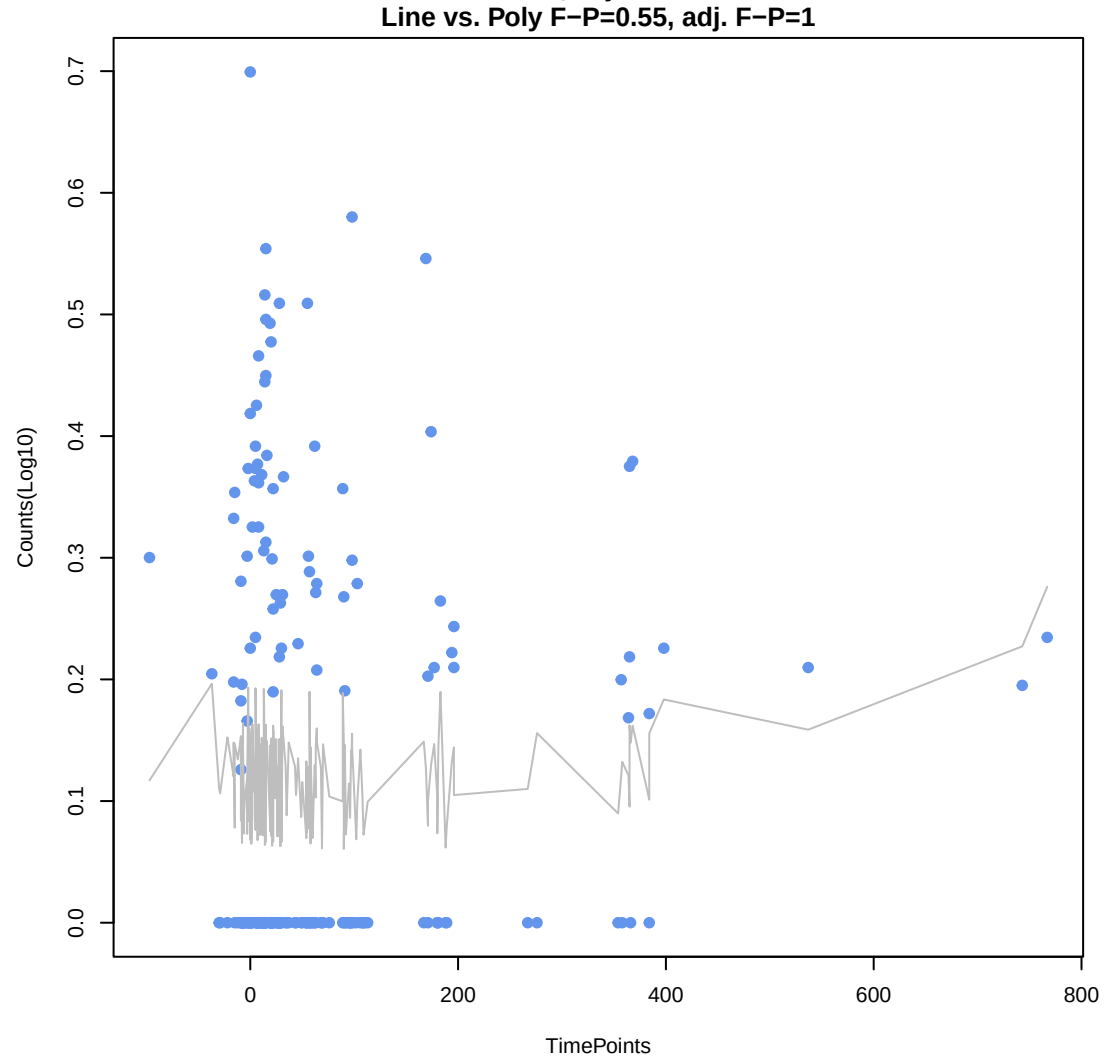
mdtN
ANOVA P=0.446, adj. ANOVA−P=0.757
Line vs. Poly F−P=0.537, adj. F−P=1



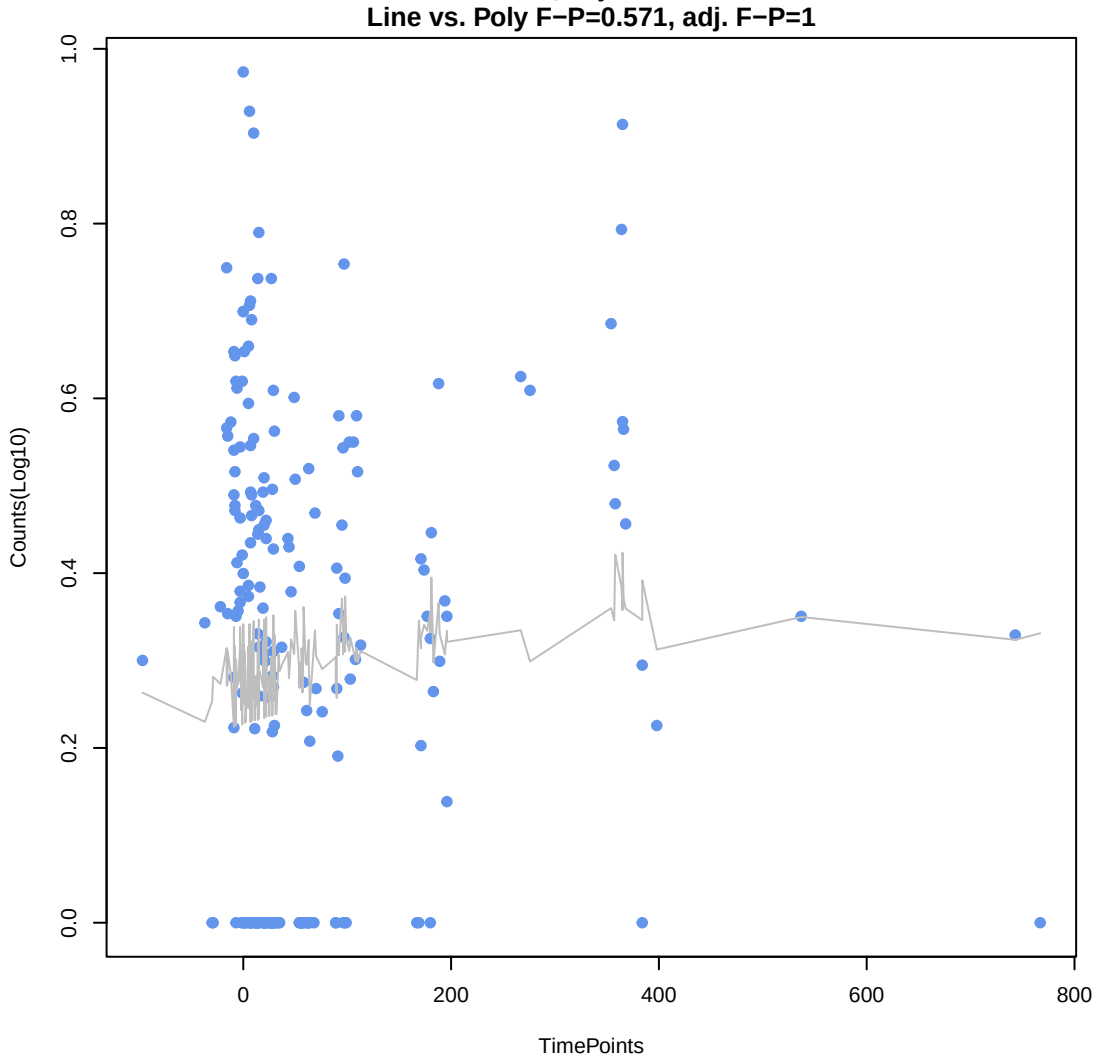
rsmA
ANOVA P=0.742, adj. ANOVA−P=0.934
Line vs. Poly F−P=0.542, adj. F−P=1



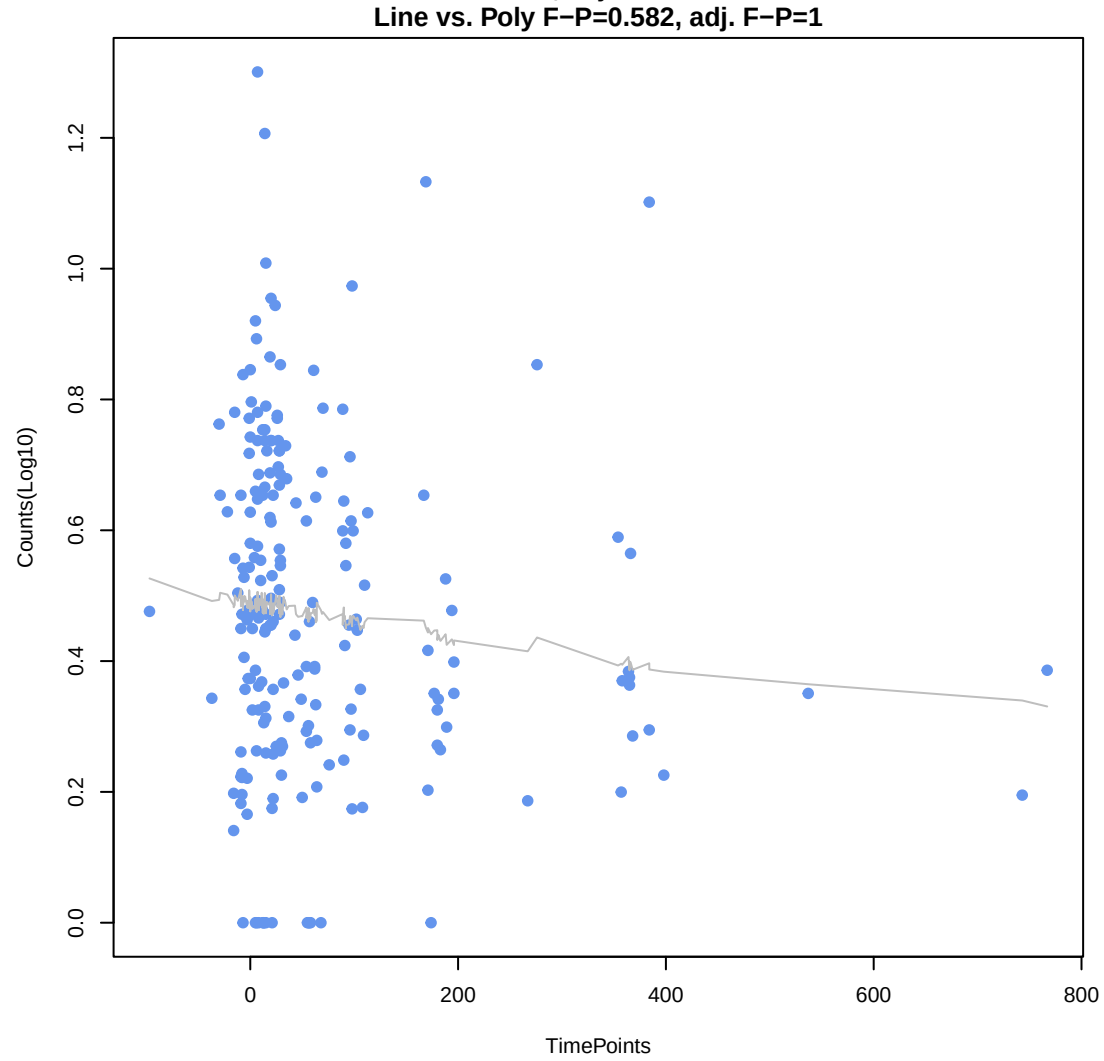
mdtE
ANOVA P=0.514, adj. ANOVA−P=0.764
Line vs. Poly F−P=0.55, adj. F−P=1



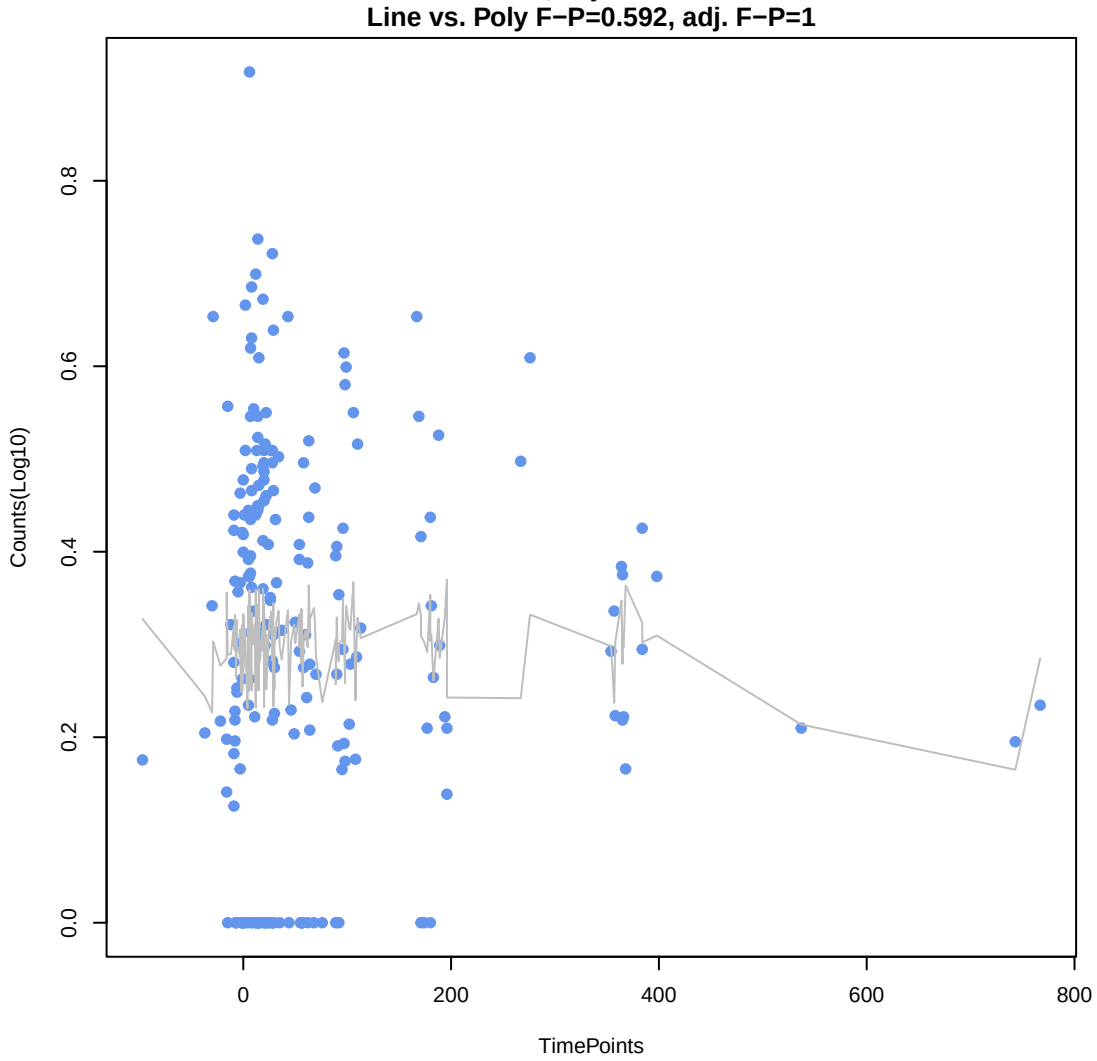
BlaB−38
ANOVA P=0.413, adj. ANOVA−P=0.757
Line vs. Poly F−P=0.571, adj. F−P=1



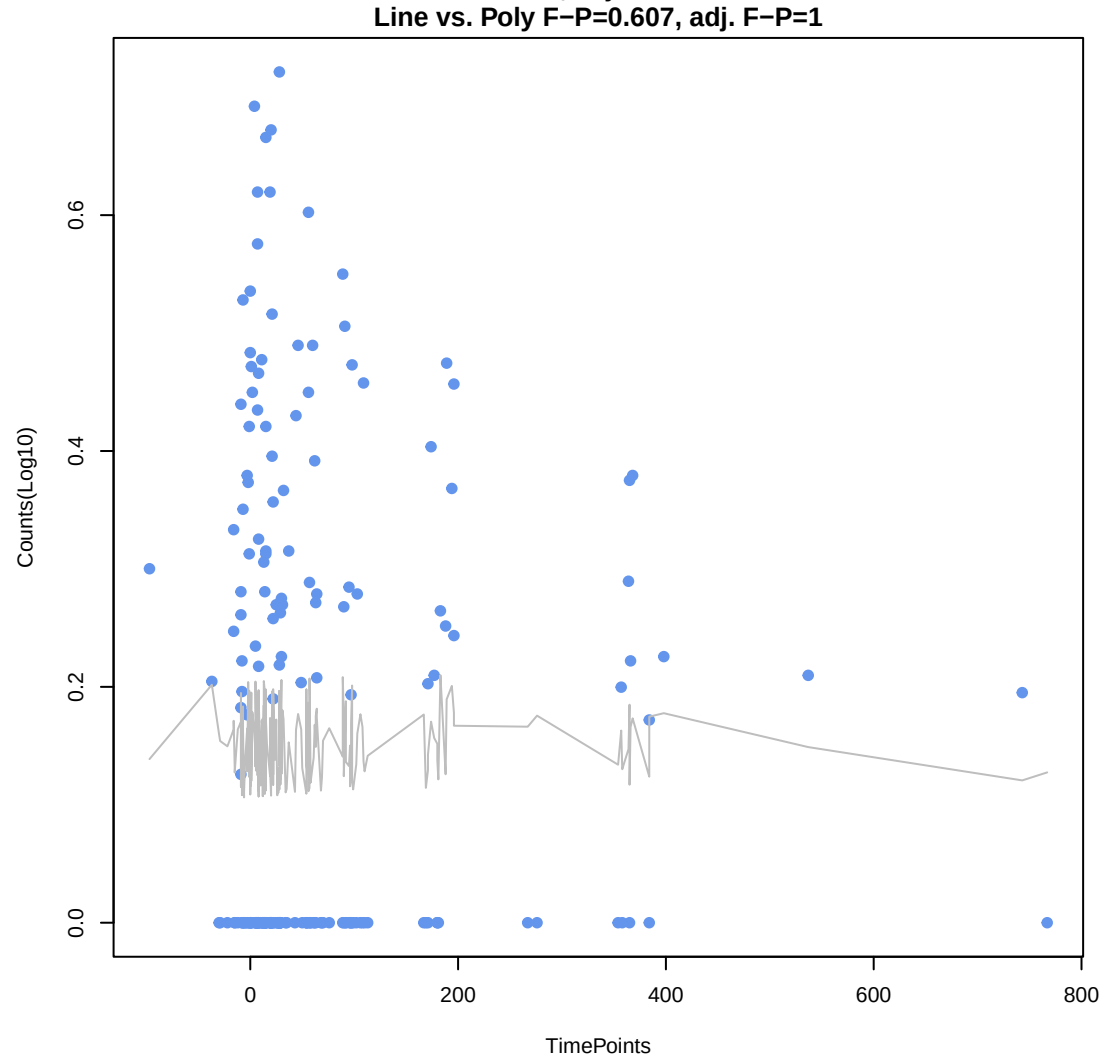
tet(M)
ANOVA P=0.29, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.582, adj. F−P=1

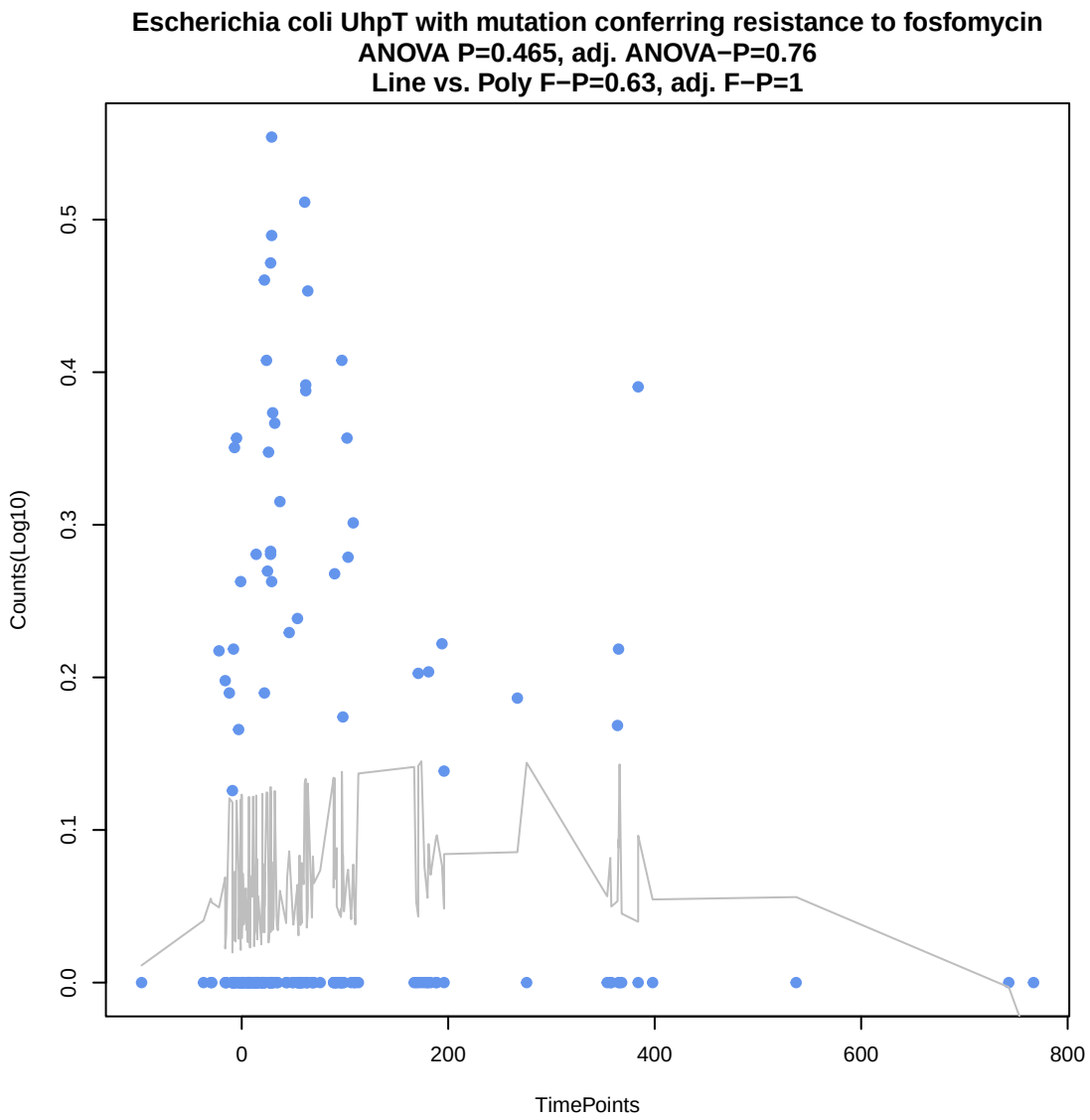


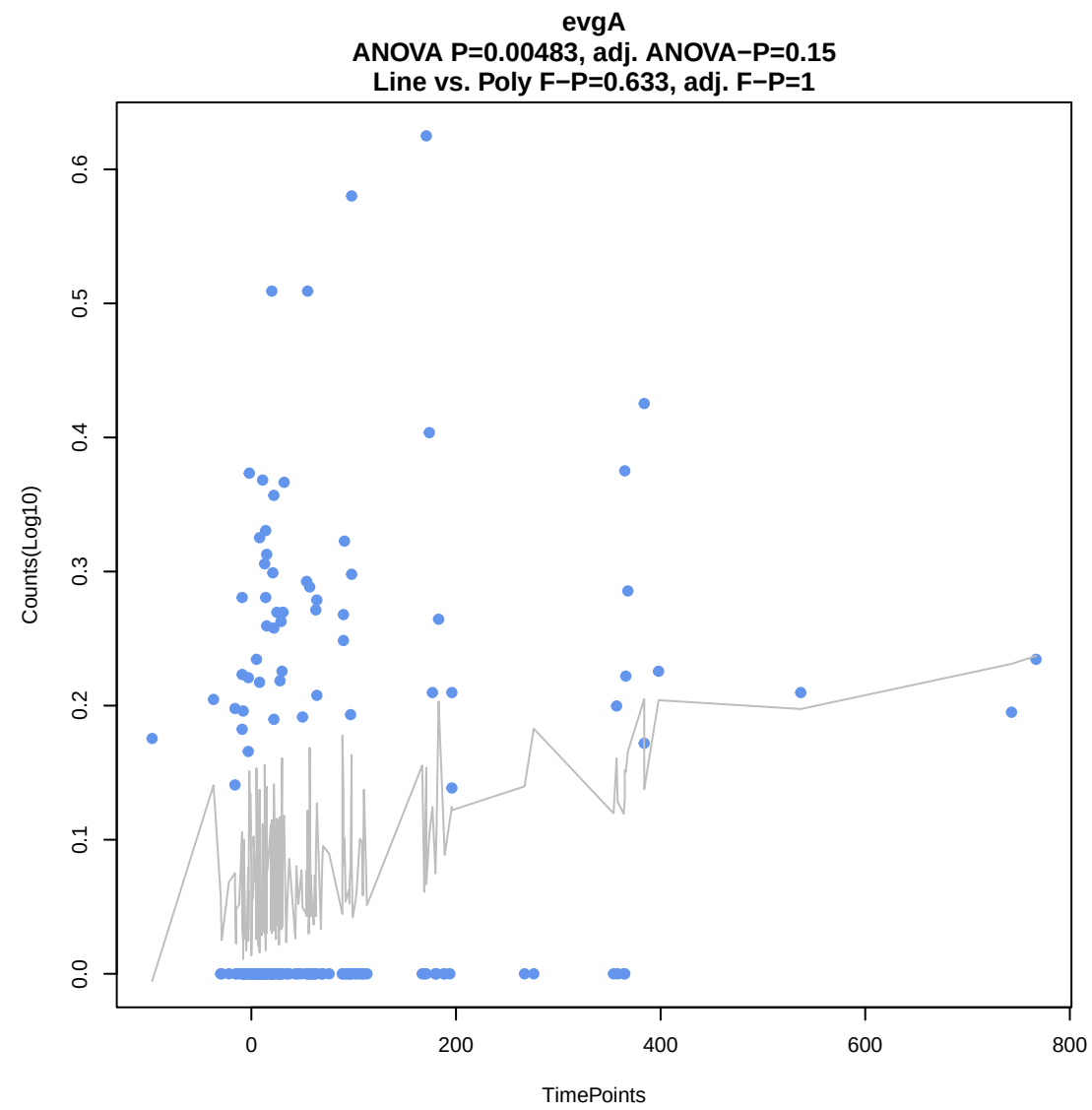
aad(6)
ANOVA P=0.84, adj. ANOVA−P=0.962
Line vs. Poly F−P=0.592, adj. F−P=1

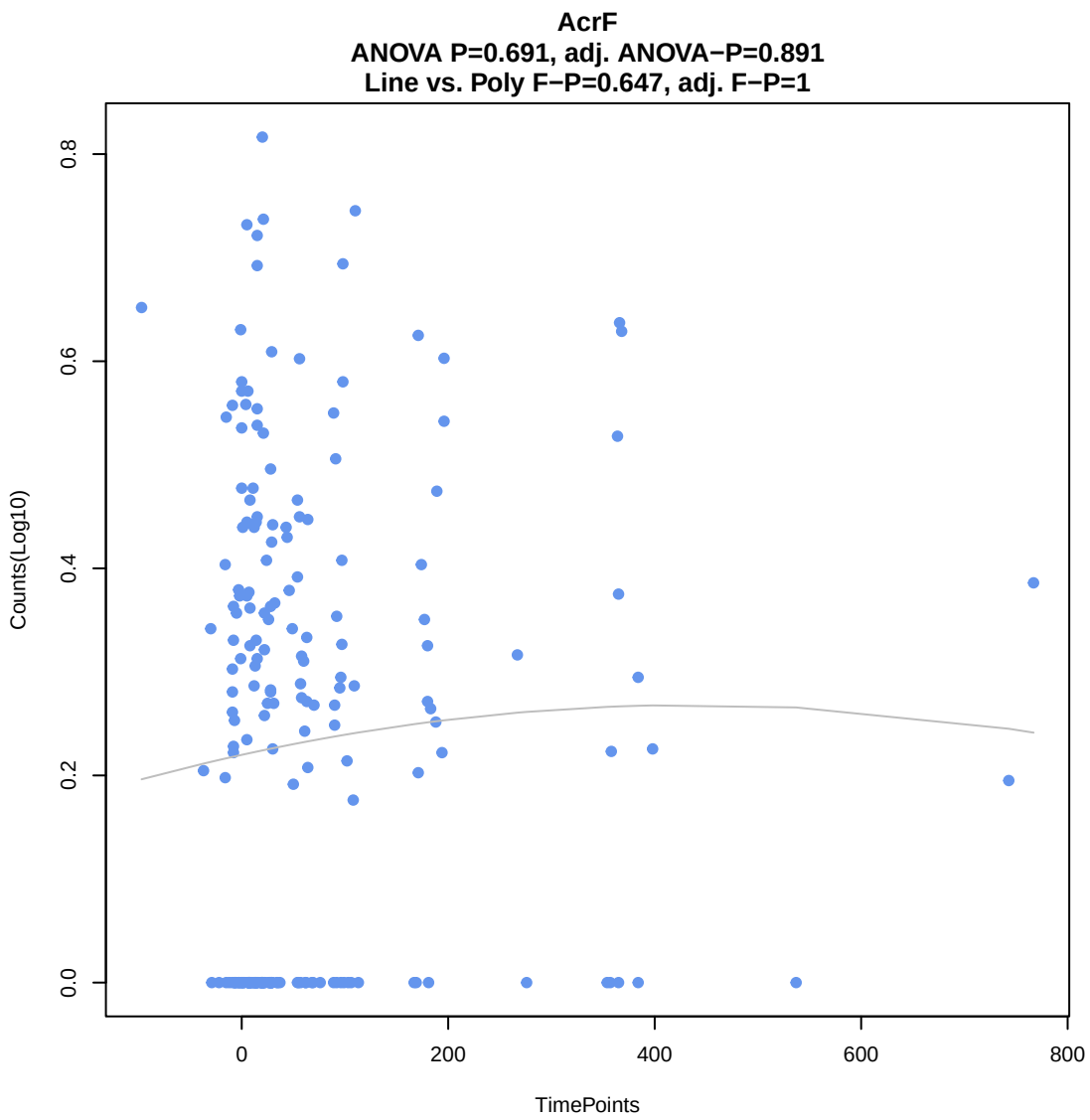


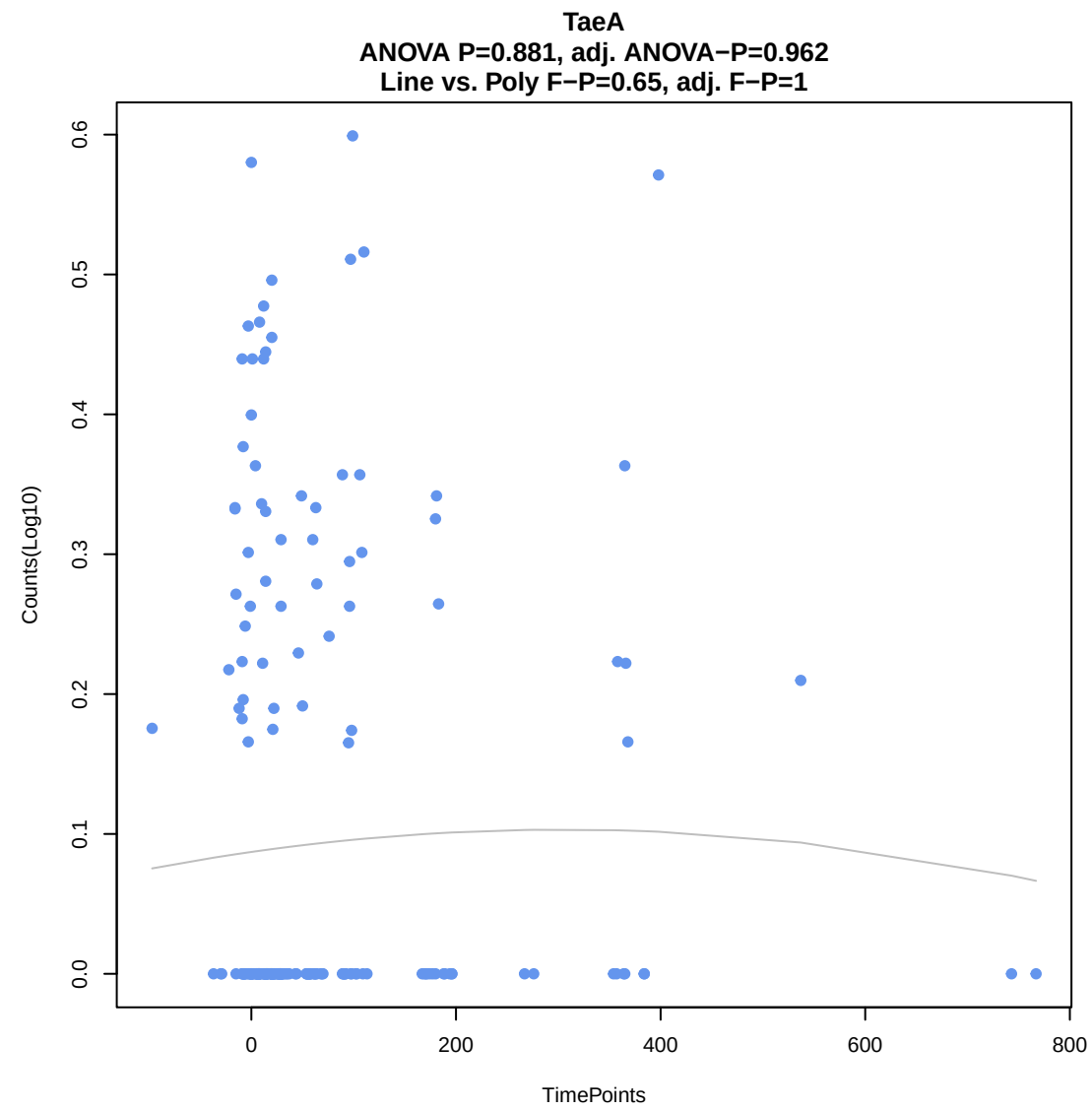
mdtP
ANOVA P=0.938, adj. ANOVA−P=0.974
Line vs. Poly F−P=0.607, adj. F−P=1

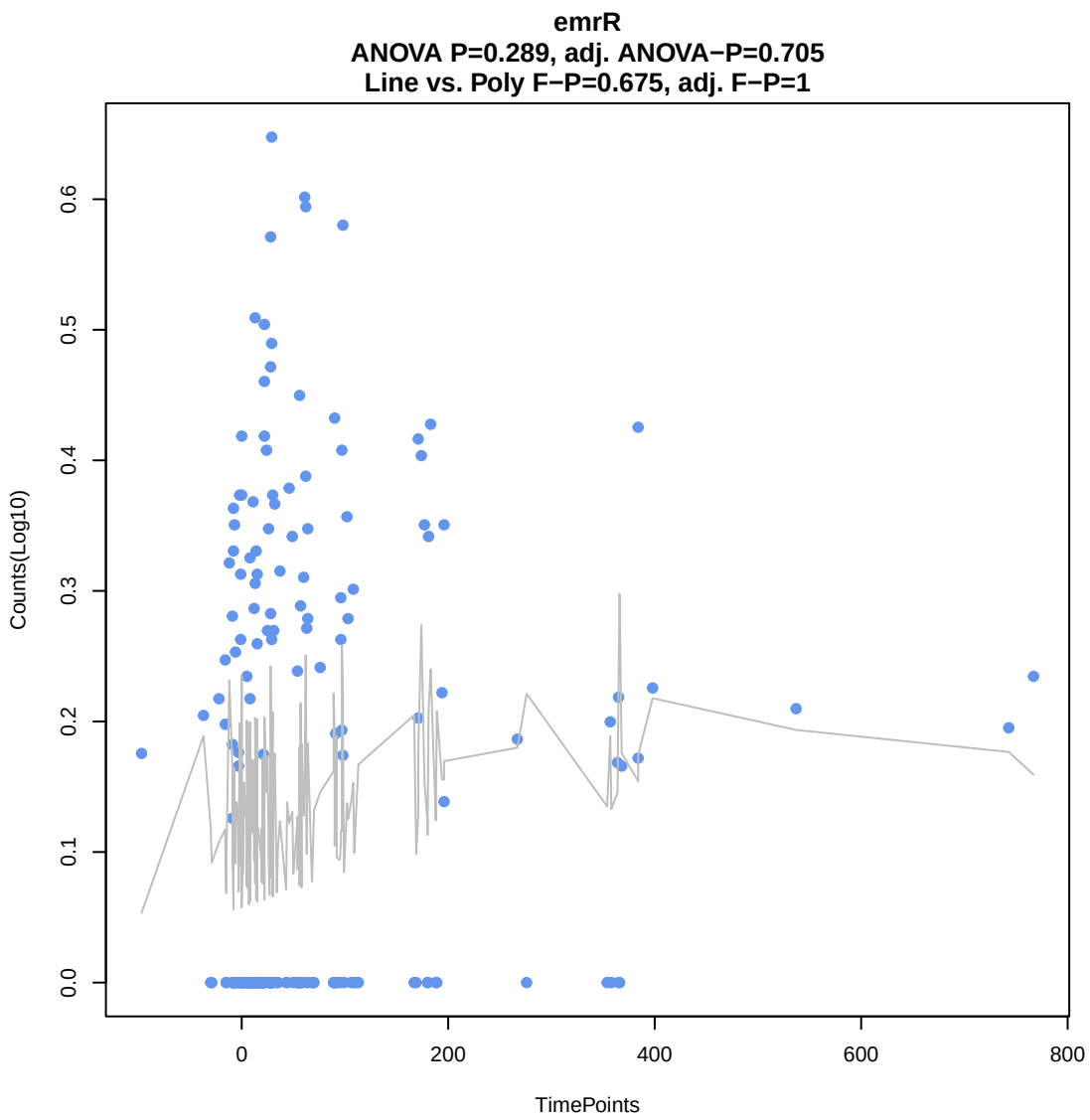


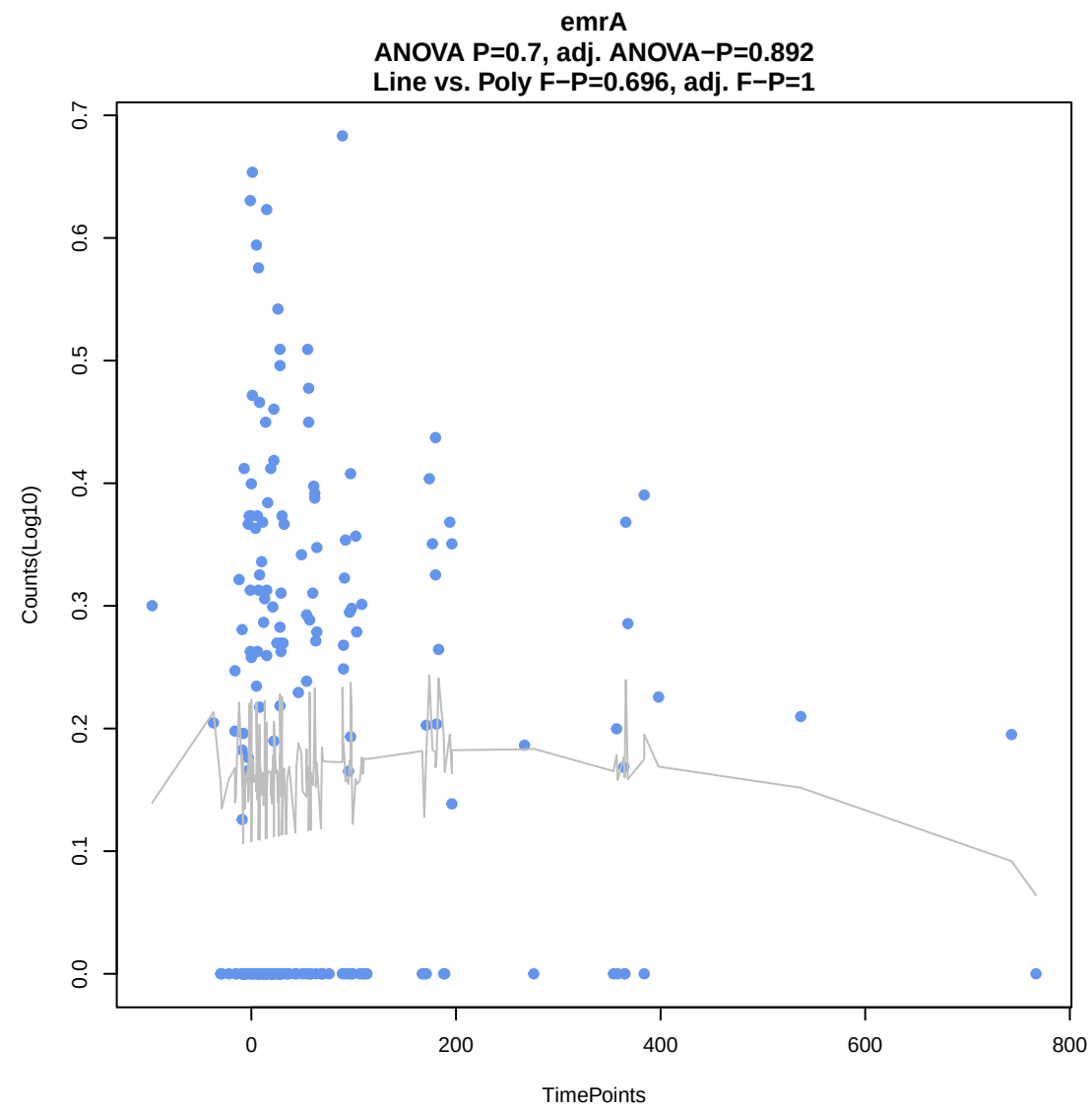

Escherichia coli UhpT with mutation conferring resistance to fosfomycin
ANOVA P=0.465, adj. ANOVA−P=0.76
Line vs. Poly F−P=0.63, adj. F−P=1
Counts(Log10)
TimePoints

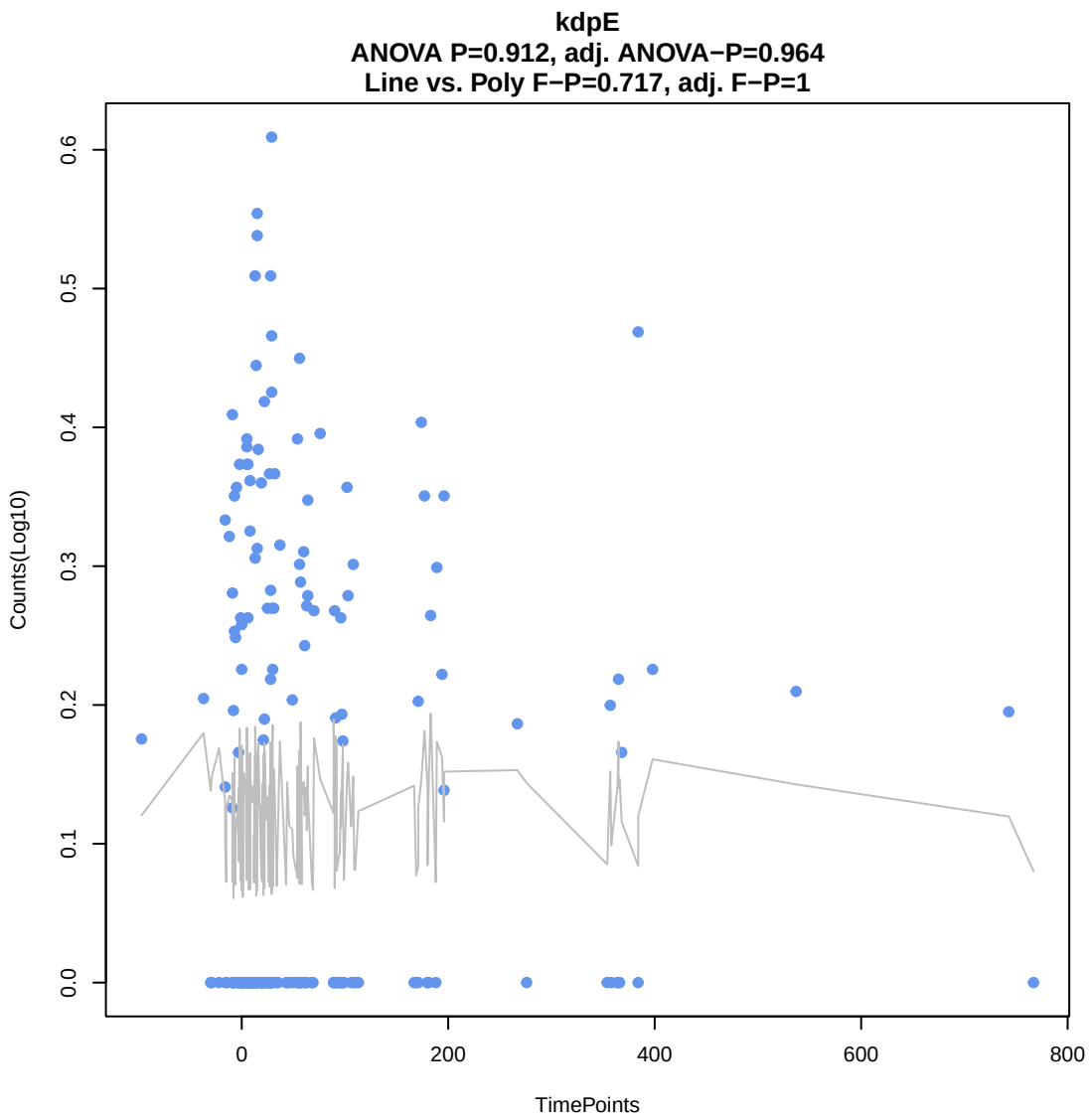

evgA
ANOVA P=0.00483, adj. ANOVA−P=0.15
Line vs. Poly F−P=0.633, adj. F−P=1
Counts(Log10)
TimePoints

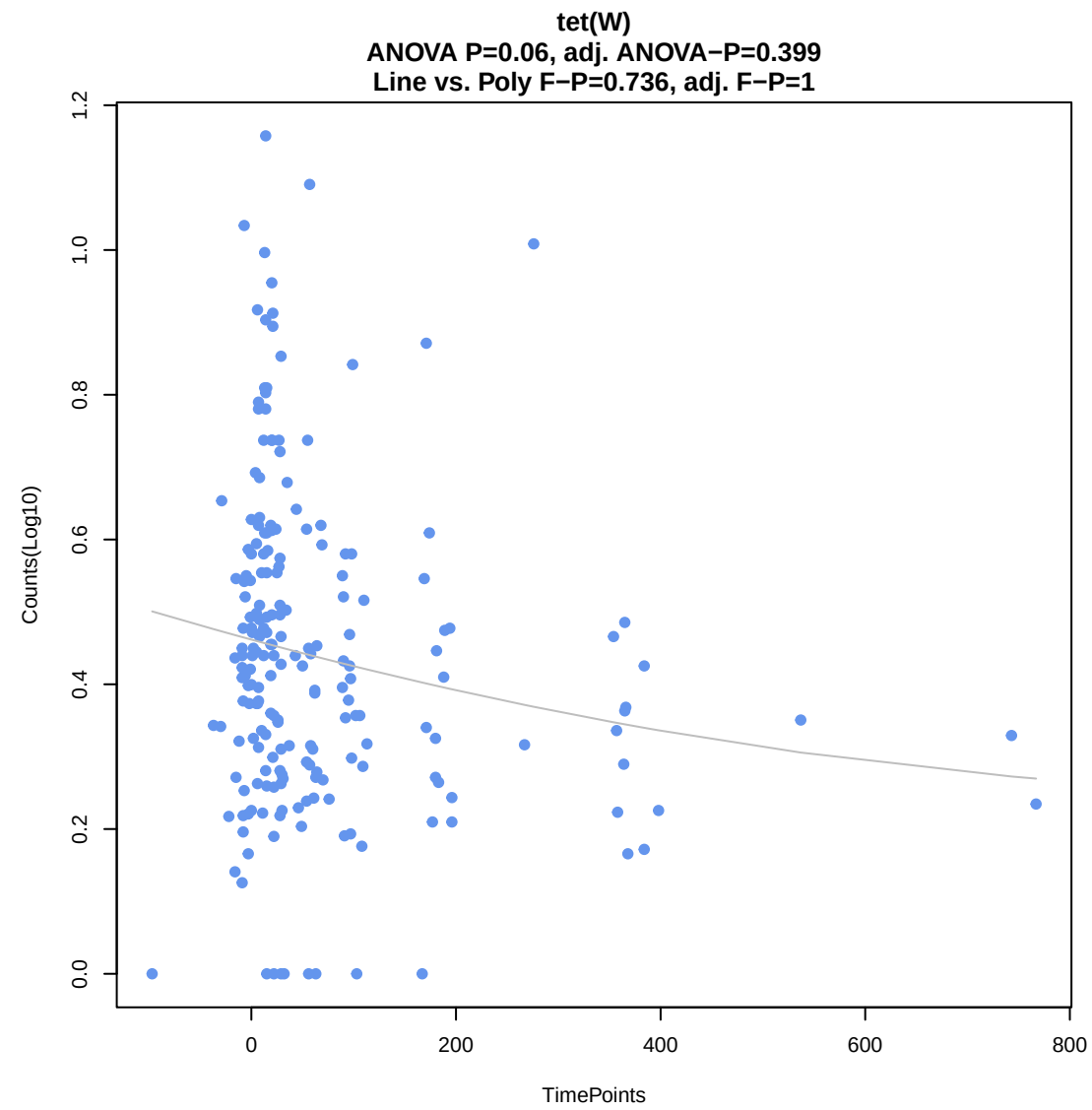

AcrF
ANOVA P=0.691, adj. ANOVA−P=0.891
Line vs. Poly F−P=0.647, adj. F−P=1
Counts(Log10)
TimePoints

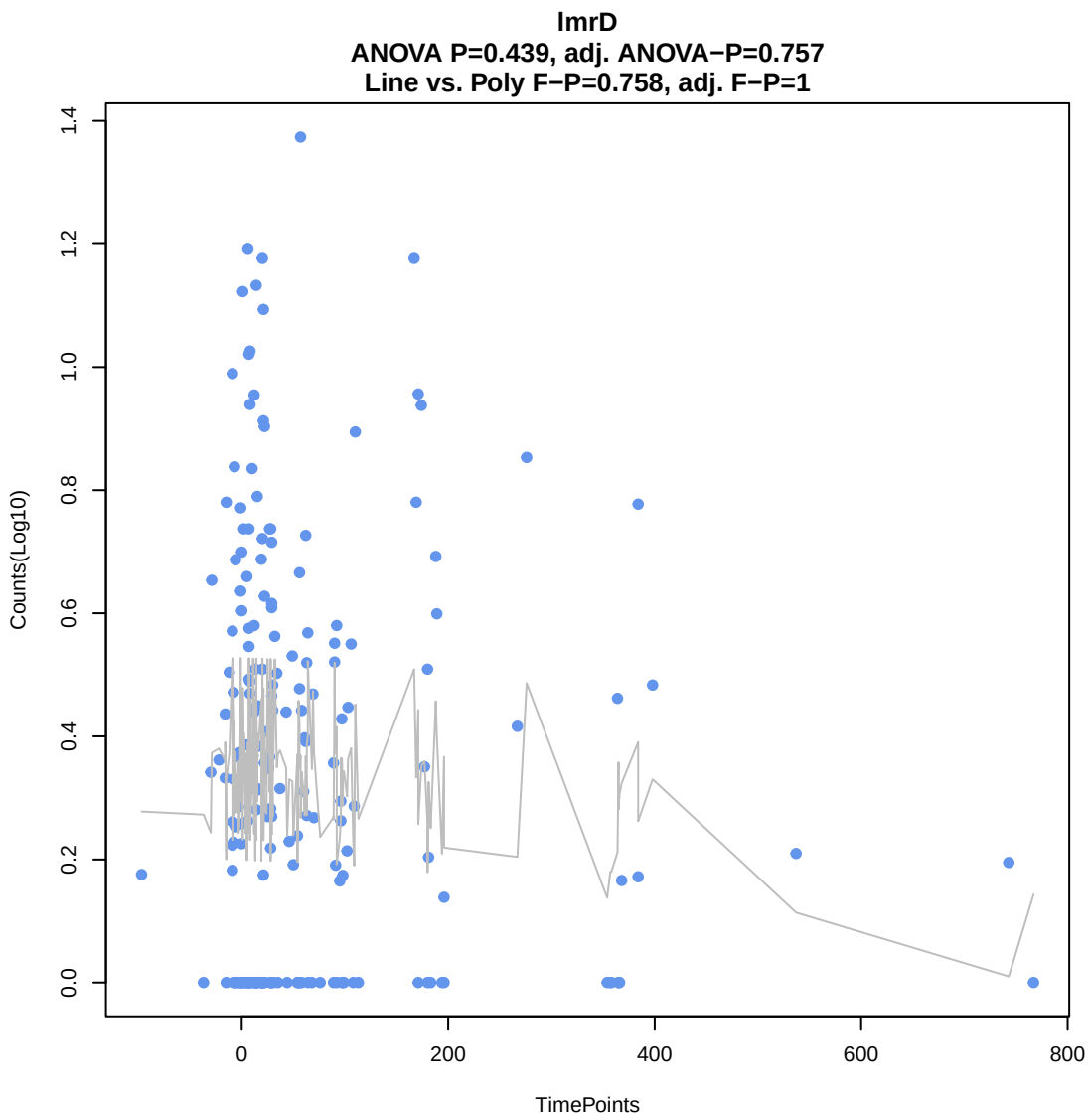

TaeA
ANOVA P=0.881, adj. ANOVA−P=0.962
Line vs. Poly F−P=0.65, adj. F−P=1
Counts(Log10)
TimePoints

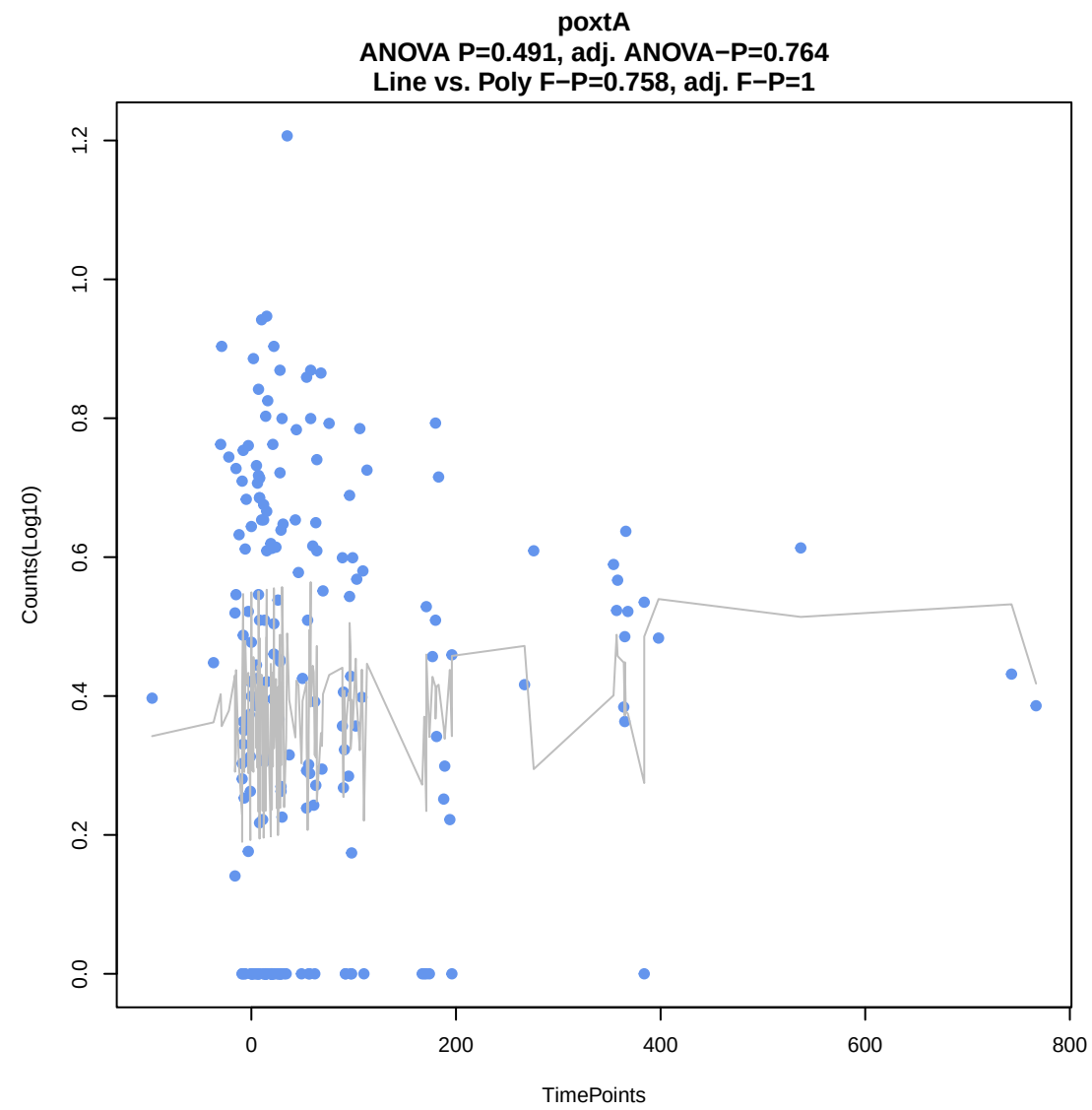

emrR
ANOVA P=0.289, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.675, adj. F−P=1
Counts(Log10)
TimePoints

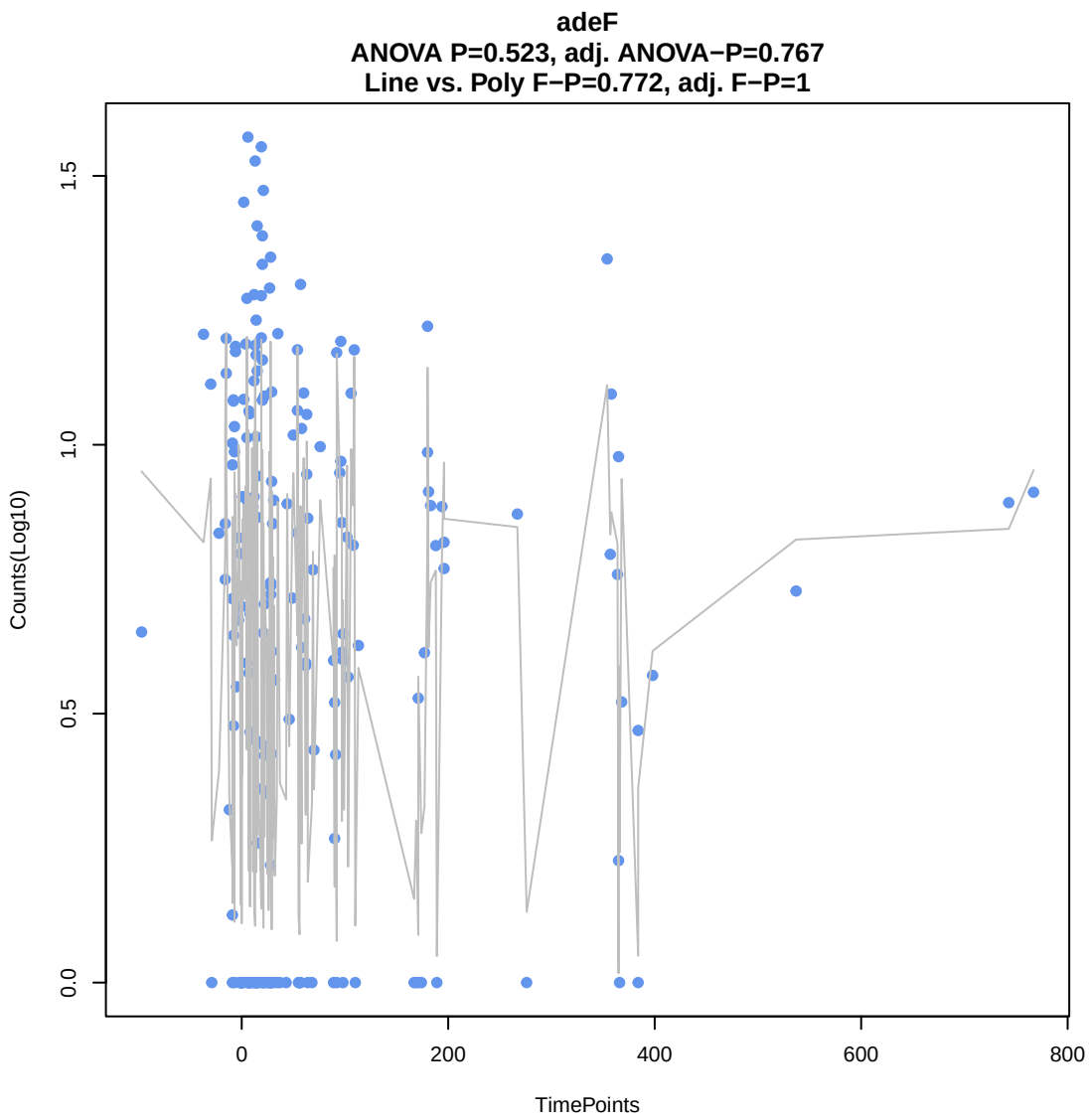

emrA
ANOVA P=0.7, adj. ANOVA−P=0.892
Line vs. Poly F−P=0.696, adj. F−P=1
Counts(Log10)
TimePoints

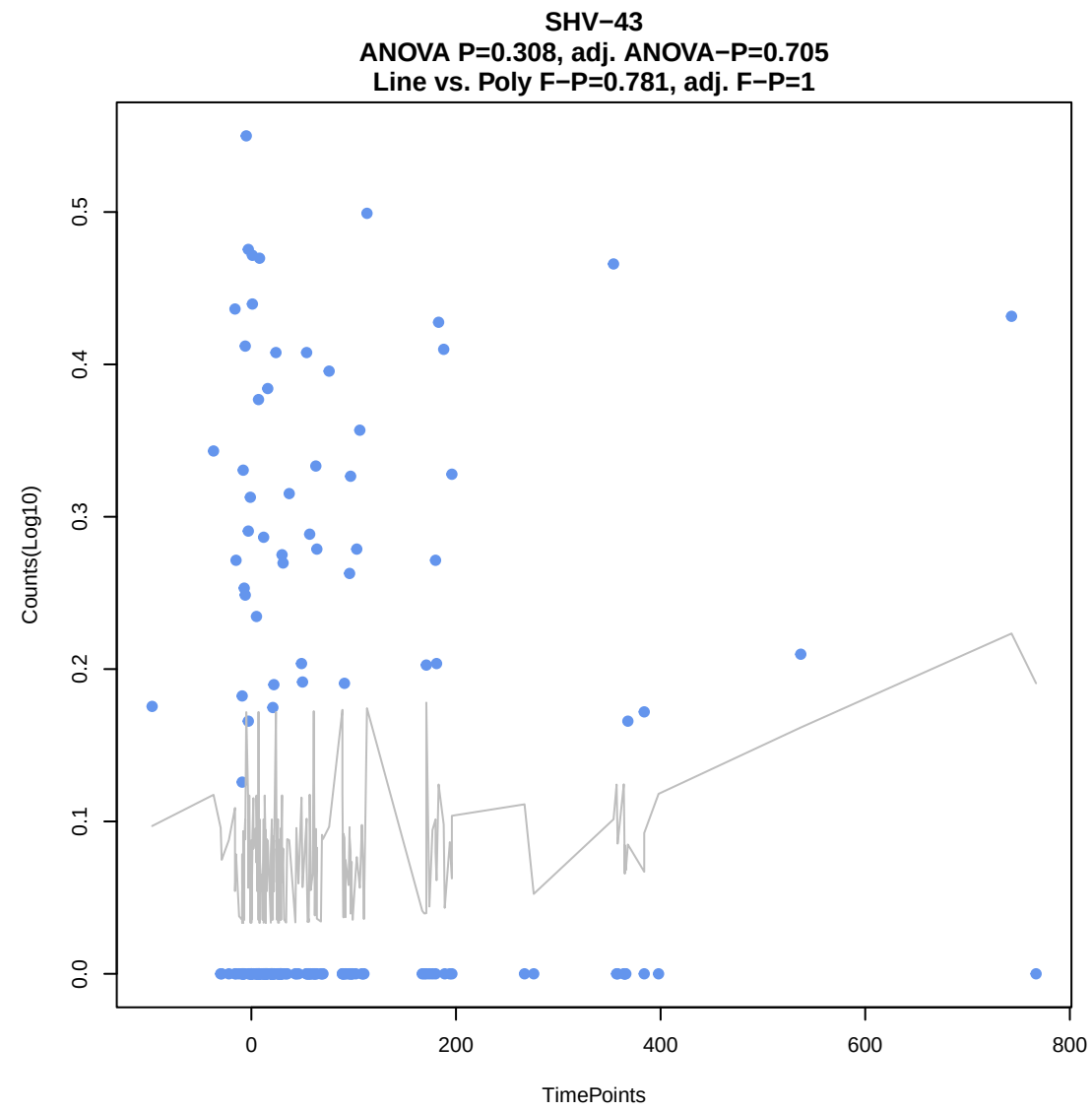

kdpE
ANOVA P=0.912, adj. ANOVA−P=0.964
Line vs. Poly F−P=0.717, adj. F−P=1
Counts(Log10)
TimePoints


tet(W)
ANOVA P=0.06, adj. ANOVA−P=0.399
Line vs. Poly F−P=0.736, adj. F−P=1
Counts(Log10)
TimePoints

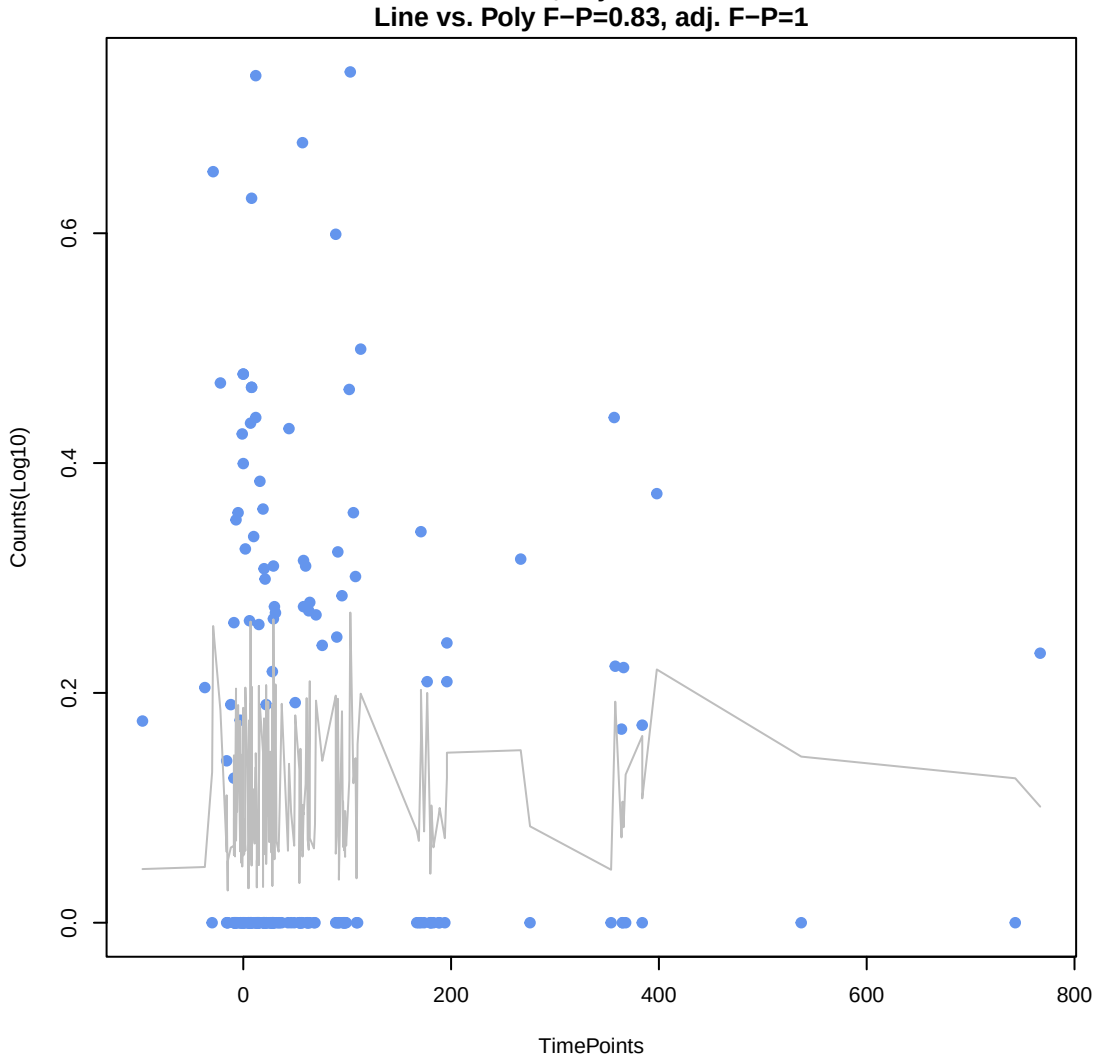

lmrD
ANOVA P=0.439, adj. ANOVA−P=0.757
Line vs. Poly F−P=0.758, adj. F−P=1
Counts(Log10)
TimePoints


poxtA
ANOVA P=0.491, adj. ANOVA−P=0.764
Line vs. Poly F−P=0.758, adj. F−P=1
Counts(Log10)
TimePoints

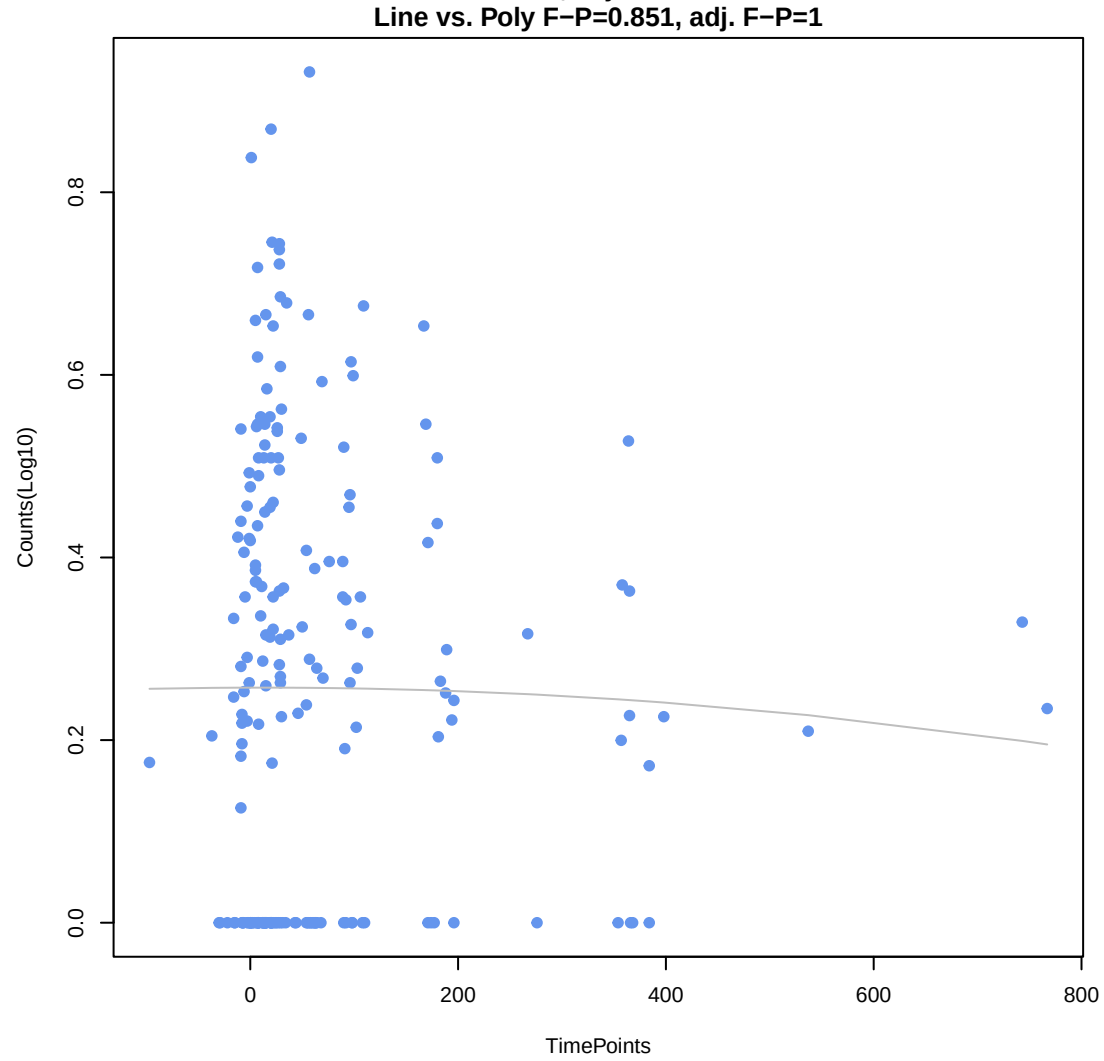

adeF
ANOVA P=0.523, adj. ANOVA−P=0.767
Line vs. Poly F−P=0.772, adj. F−P=1
Counts(Log10)
TimePoints


SHV−43
ANOVA P=0.308, adj. ANOVA−P=0.705
Line vs. Poly F−P=0.781, adj. F−P=1
Counts(Log10)
TimePoints

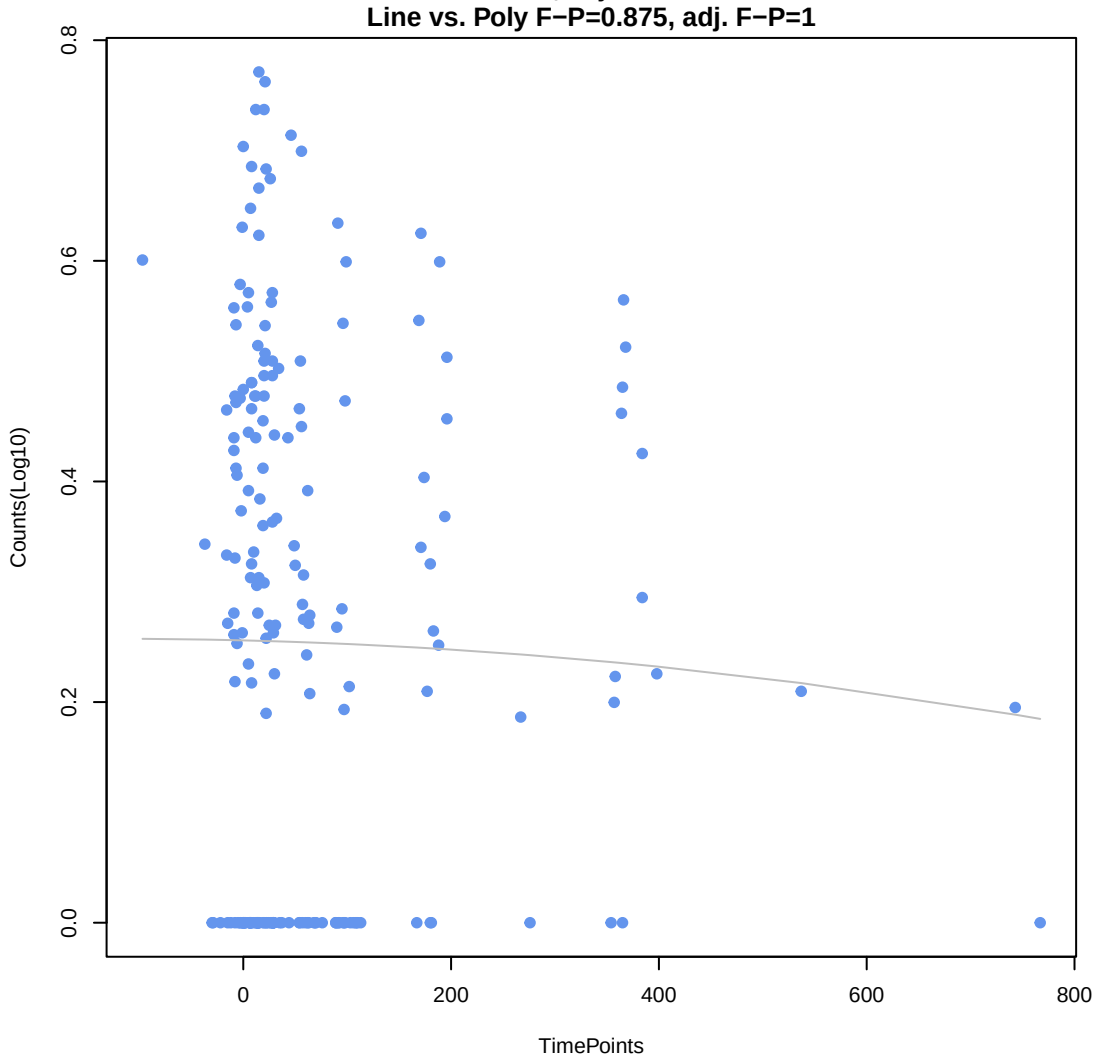
vanX gene in vanD cluster
ANOVA P=0.899, adj. ANOVA−P=0.964
Line vs. Poly F−P=0.83, adj. F−P=1



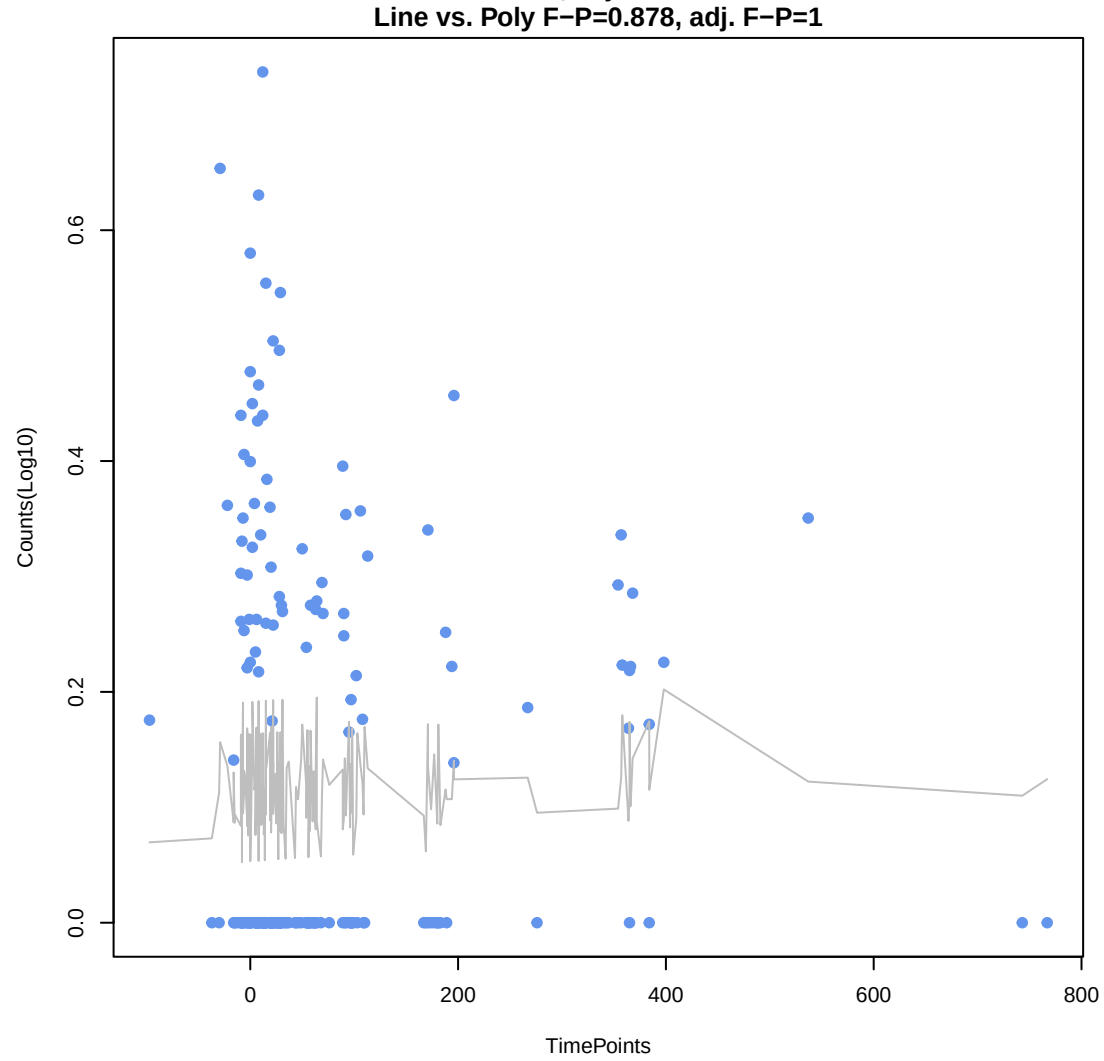
fexA
ANOVA P=0.919, adj. ANOVA−P=0.964
Line vs. Poly F−P=0.851, adj. F−P=1



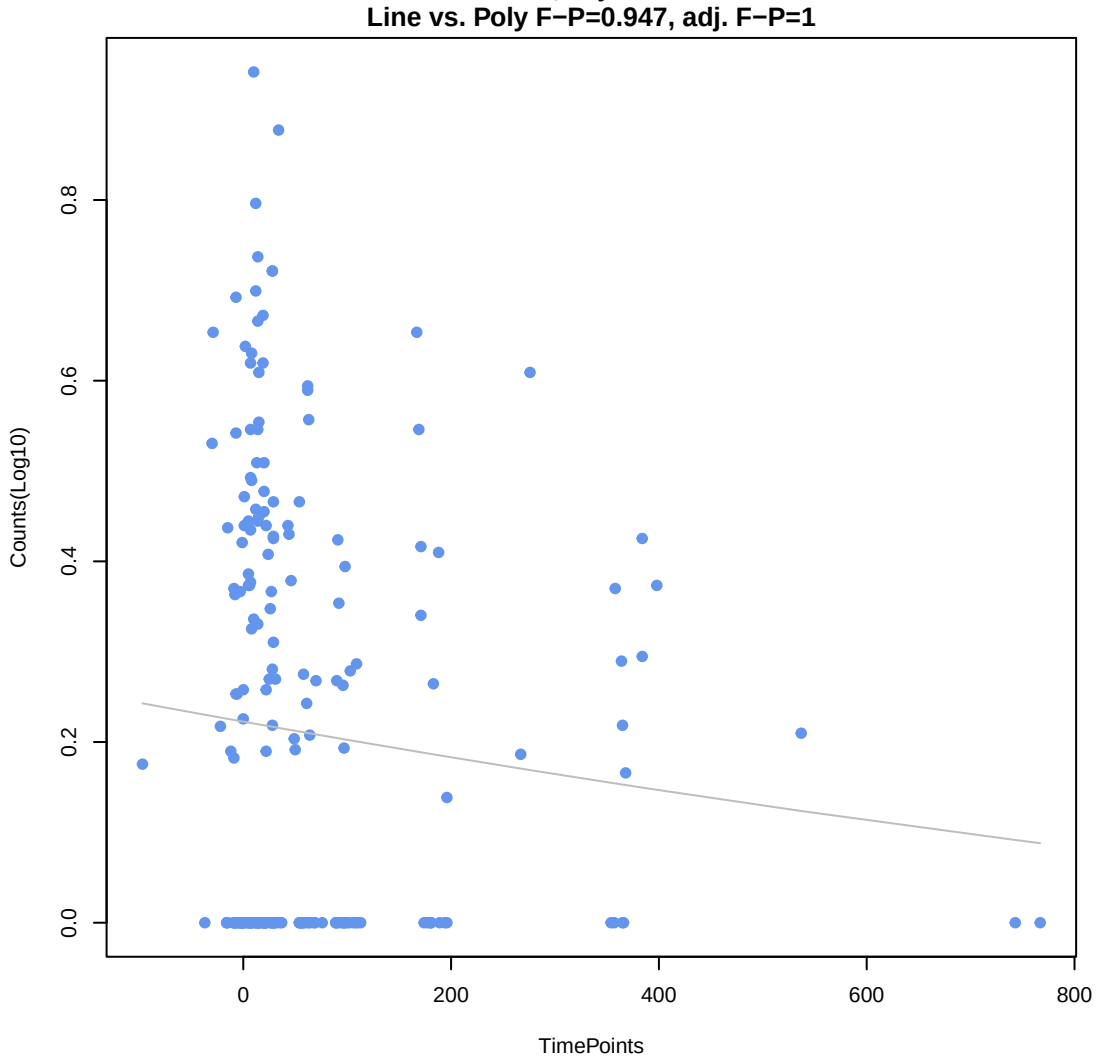
evgS
ANOVA P=0.876, adj. ANOVA−P=0.962
Line vs. Poly F−P=0.875, adj. F−P=1



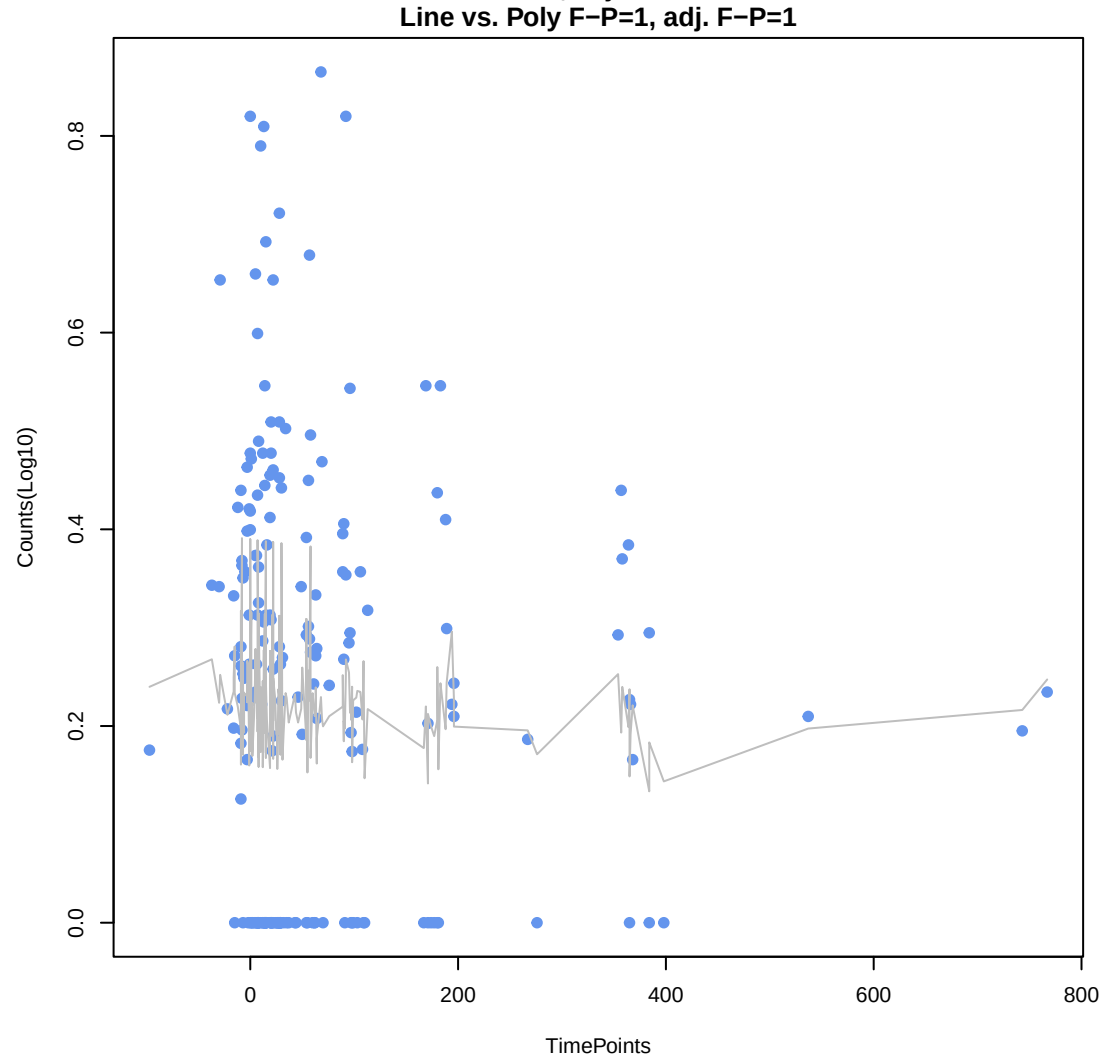
vanS gene in vanD cluster
ANOVA P=0.954, adj. ANOVA−P=0.977
Line vs. Poly F−P=0.878, adj. F−P=1

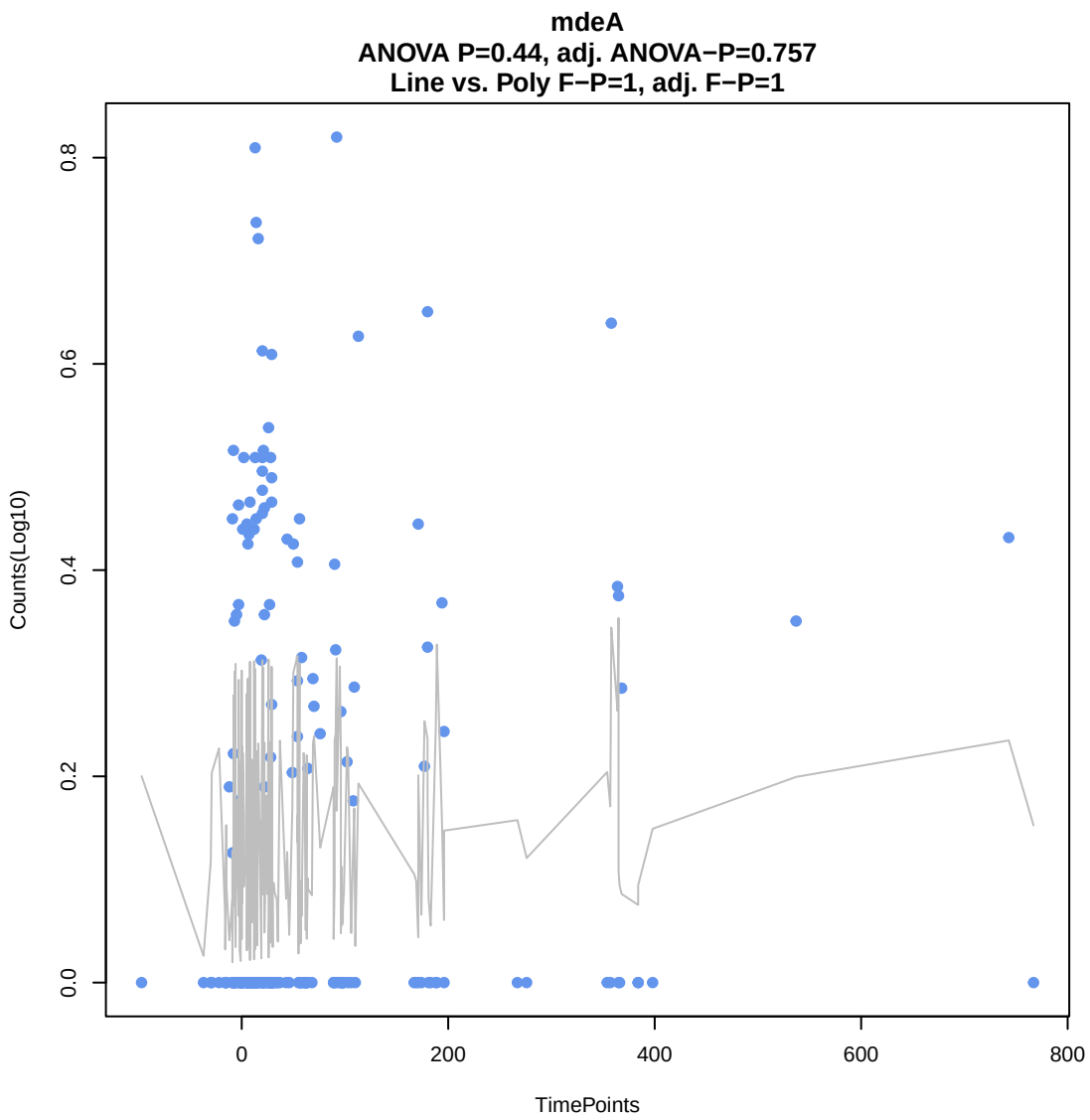


msrC
ANOVA P=0.415, adj. ANOVA−P=0.757
Line vs. Poly F−P=0.947, adj. F−P=1



lnuC
ANOVA P=0.864, adj. ANOVA−P=0.962
Line vs. Poly F−P=1, adj. F−P=1




mdeA
ANOVA P=0.44, adj. ANOVA−P=0.757
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
0.0
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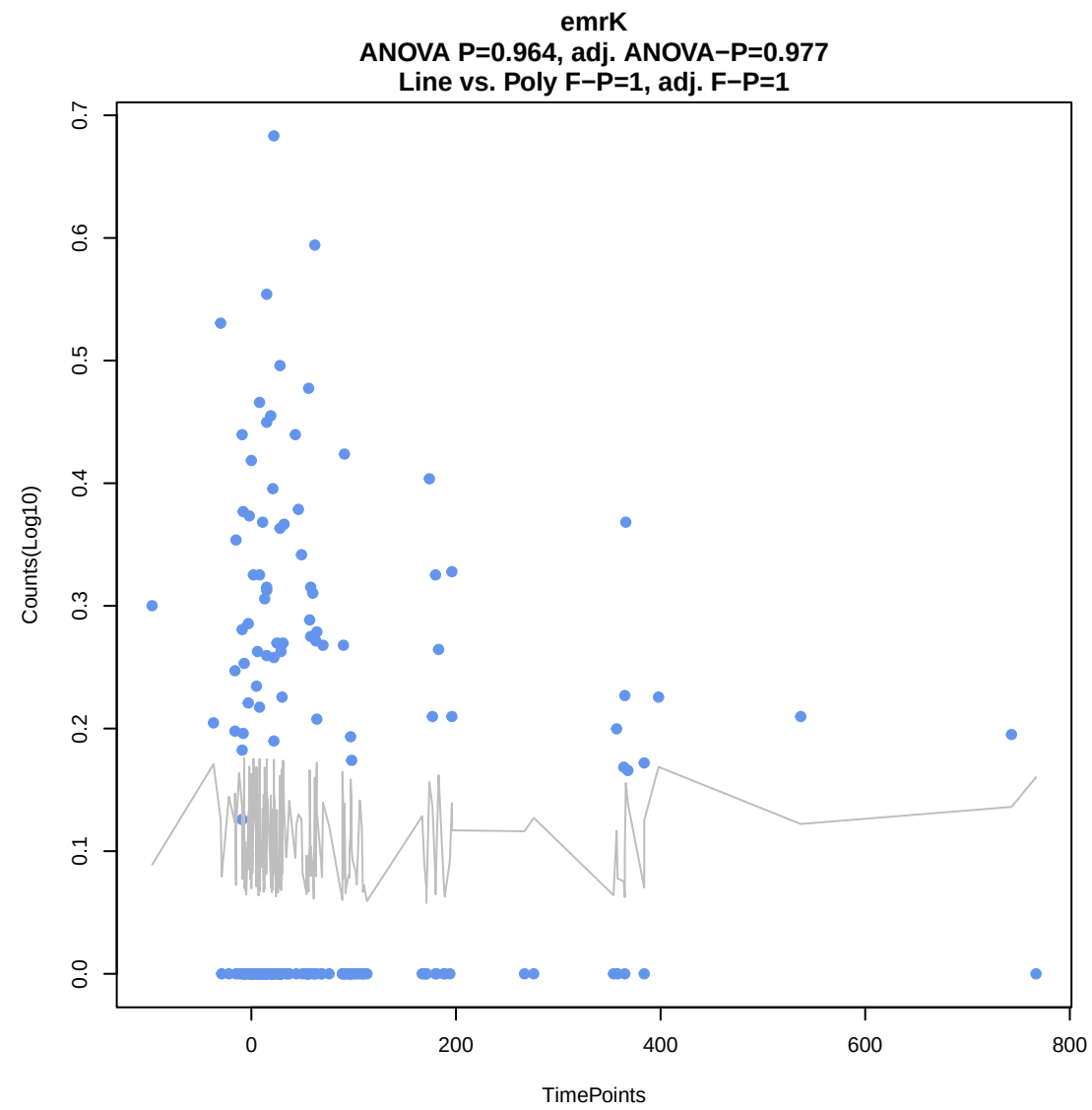
0.4
0.6
0.8
0
200
400
600
800


emrK
ANOVA P=0.964, adj. ANOVA−P=0.977
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
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0.2
0.3
0.4
0.5
0.6
0.7
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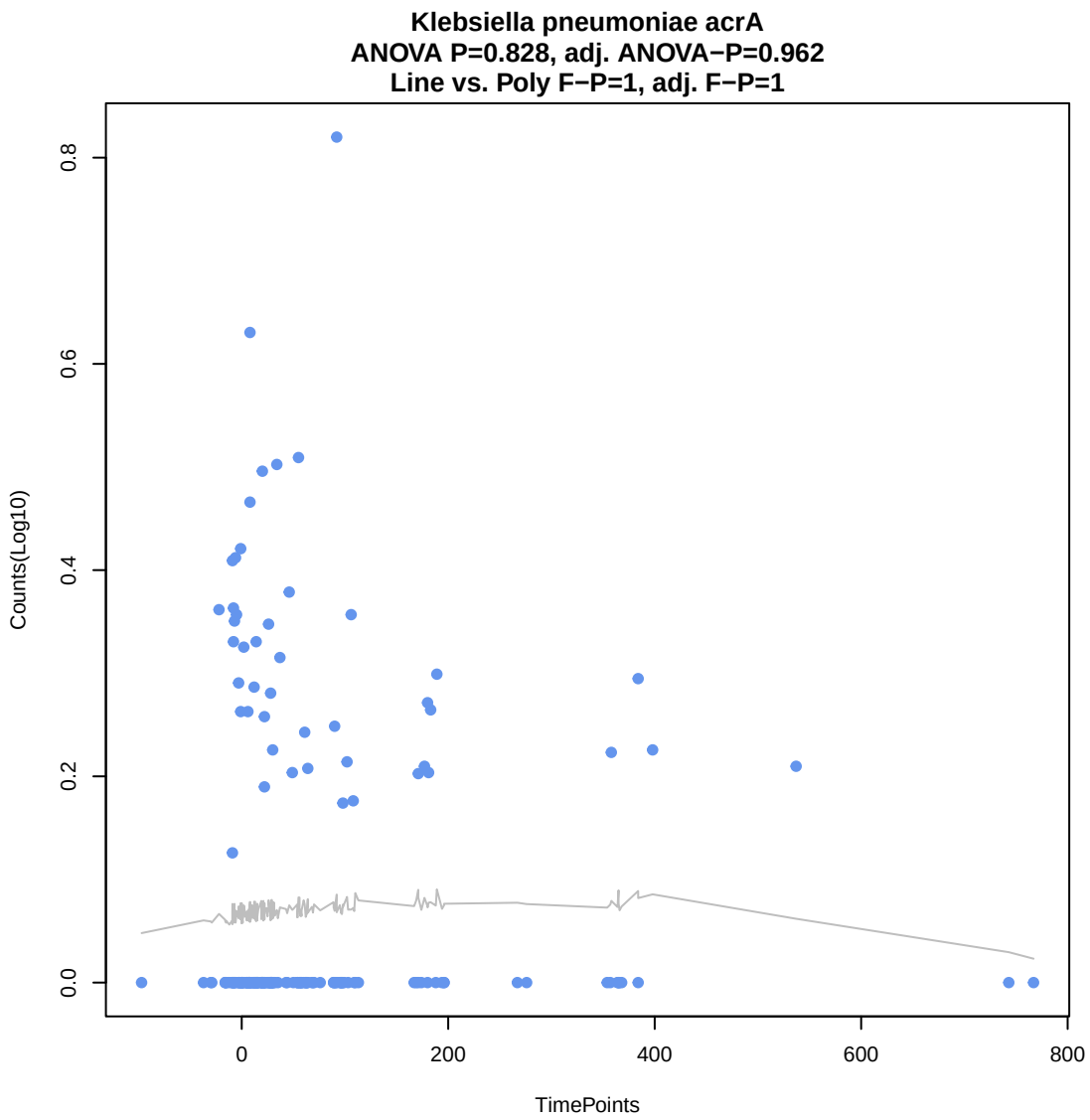
400
600
800


Klebsiella pneumoniae acrA
ANOVA P=0.828, adj. ANOVA−P=0.962
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
0.0
0.2
0.4
0.6
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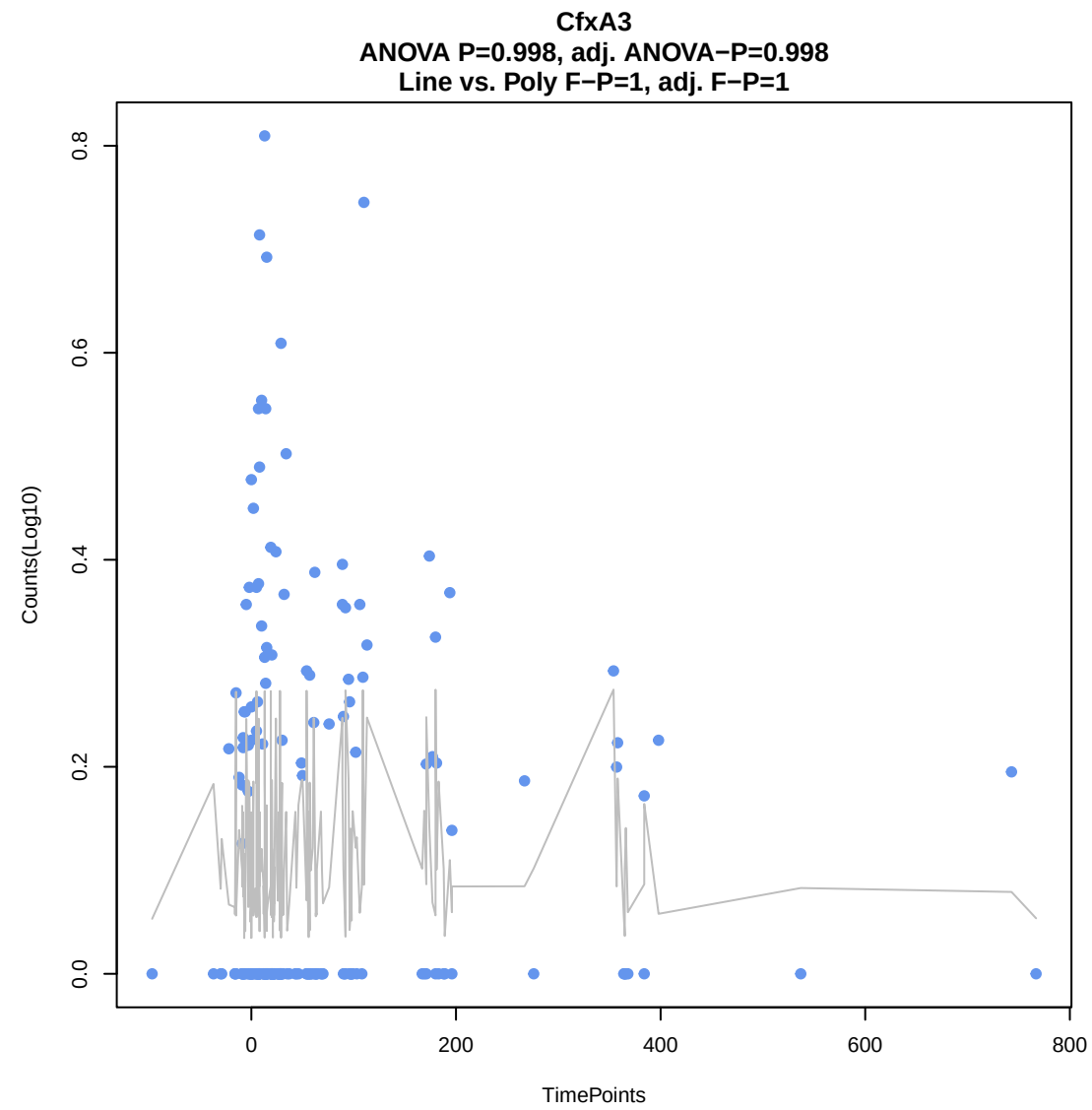
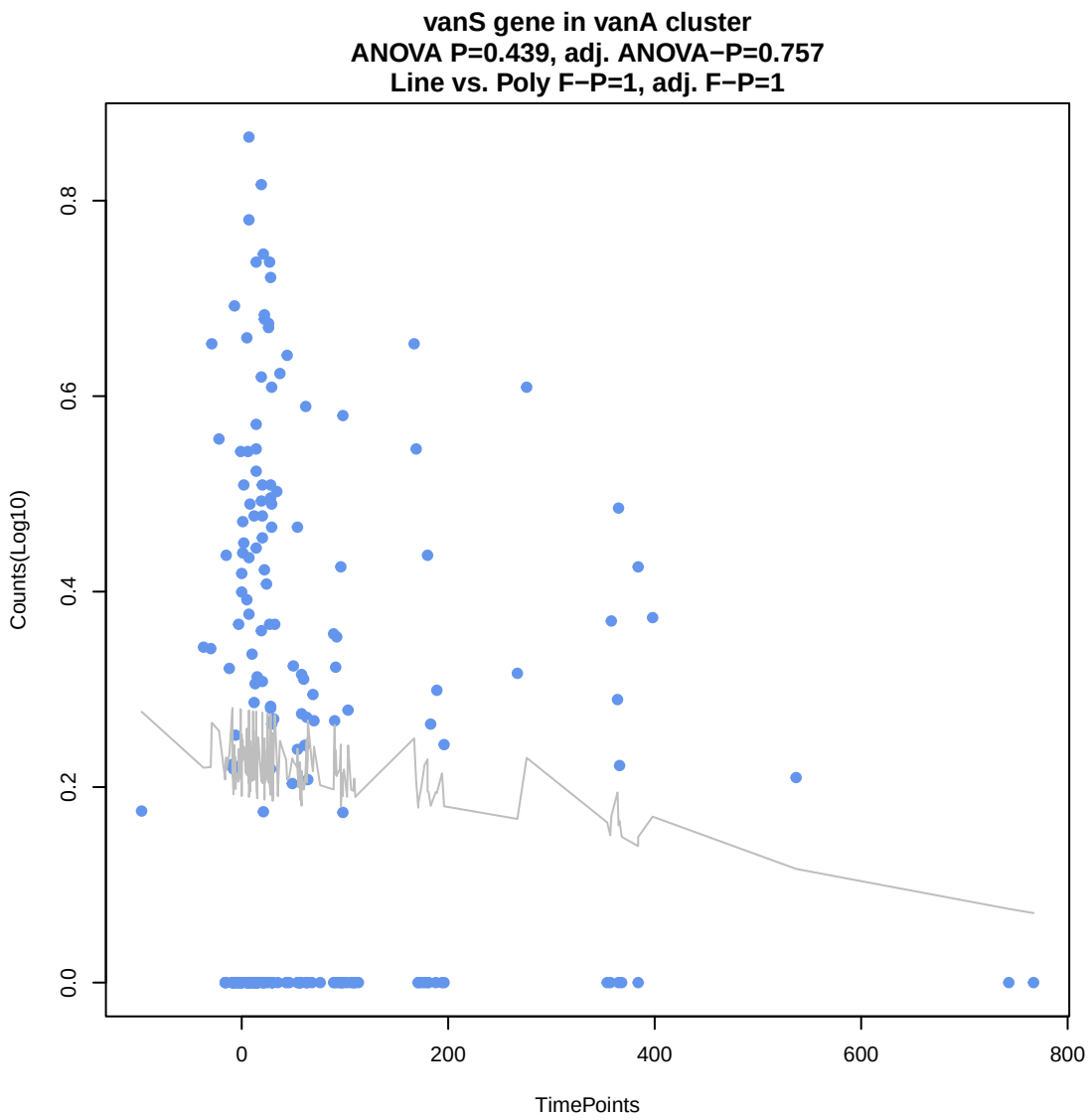
0
200
400
600
800


CfxA3
ANOVA P=0.998, adj. ANOVA−P=0.998
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
0.0
0.2
0.4
0.6
0.8
0
200
400
600
800


vanS gene in vanA cluster
ANOVA P=0.439, adj. ANOVA−P=0.757
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
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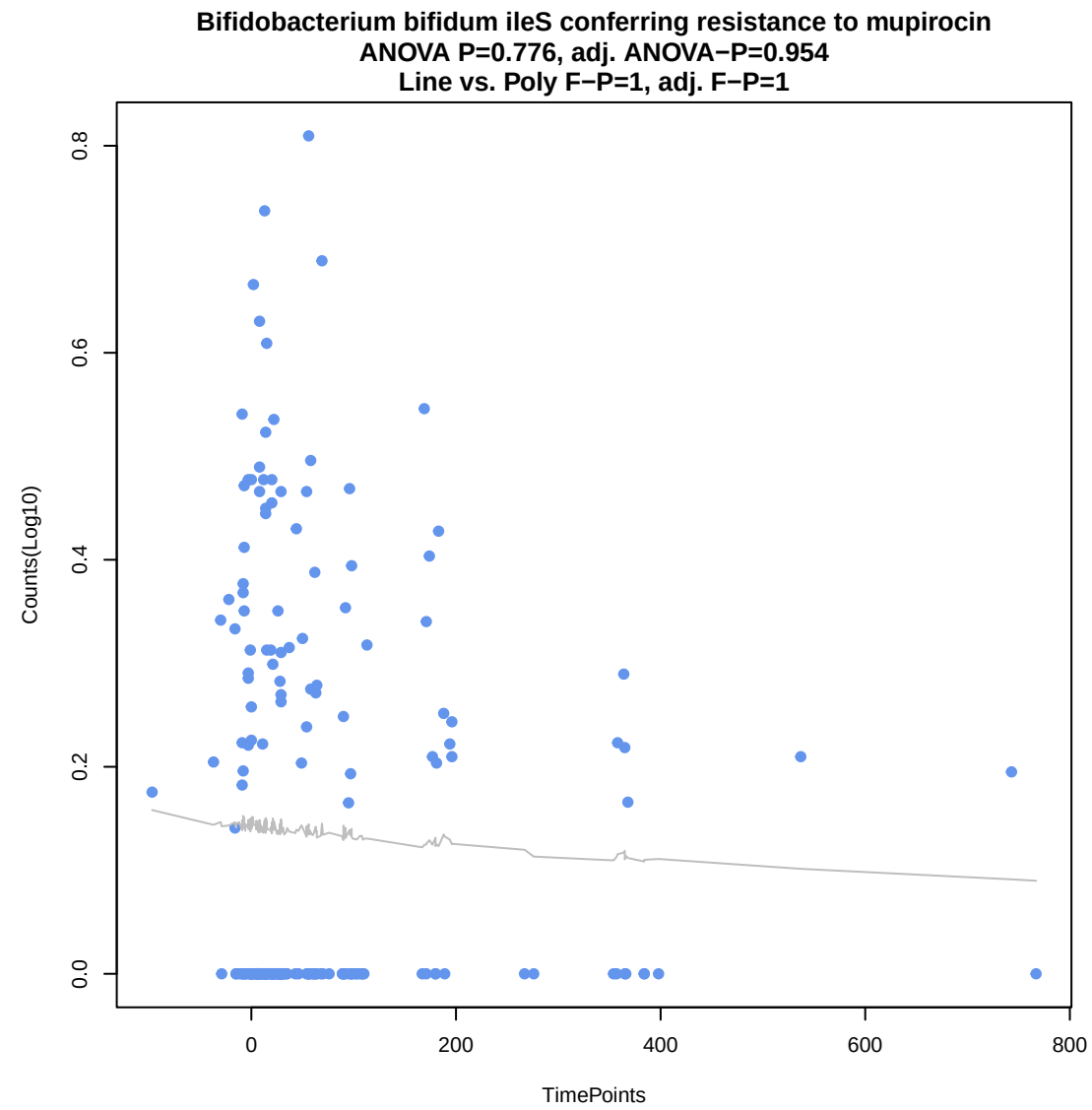
0.2
0.4
0.6
0.8
0
200
400
600
800


Bifidobacterium bifidum ileS conferring resistance to mupirocin
ANOVA P=0.776, adj. ANOVA−P=0.954
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
0.0
0.2
0.4
0.6
0.8
0
200
400
600
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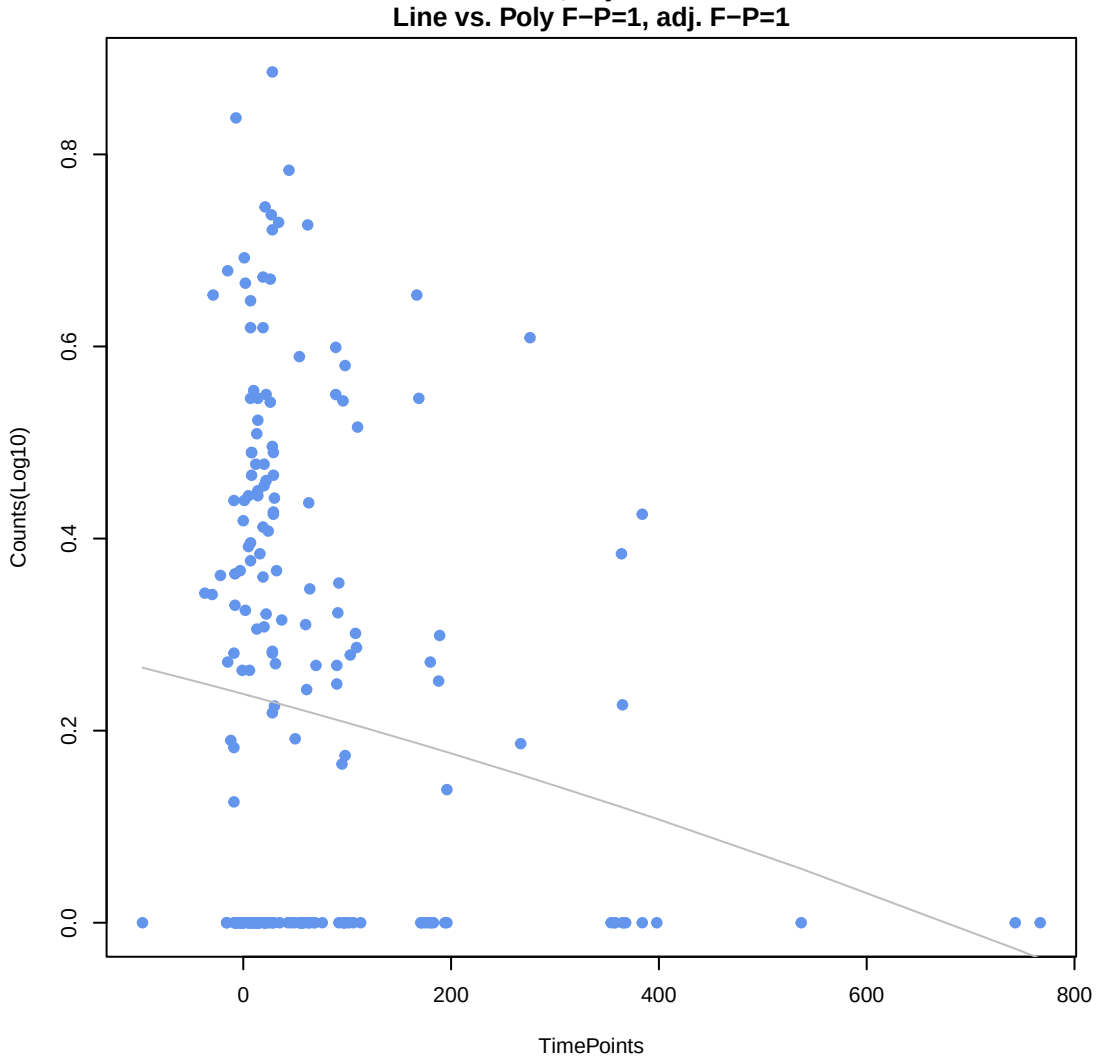
vanH gene in vanA cluster
ANOVA P=0.0647, adj. ANOVA−P=0.399
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
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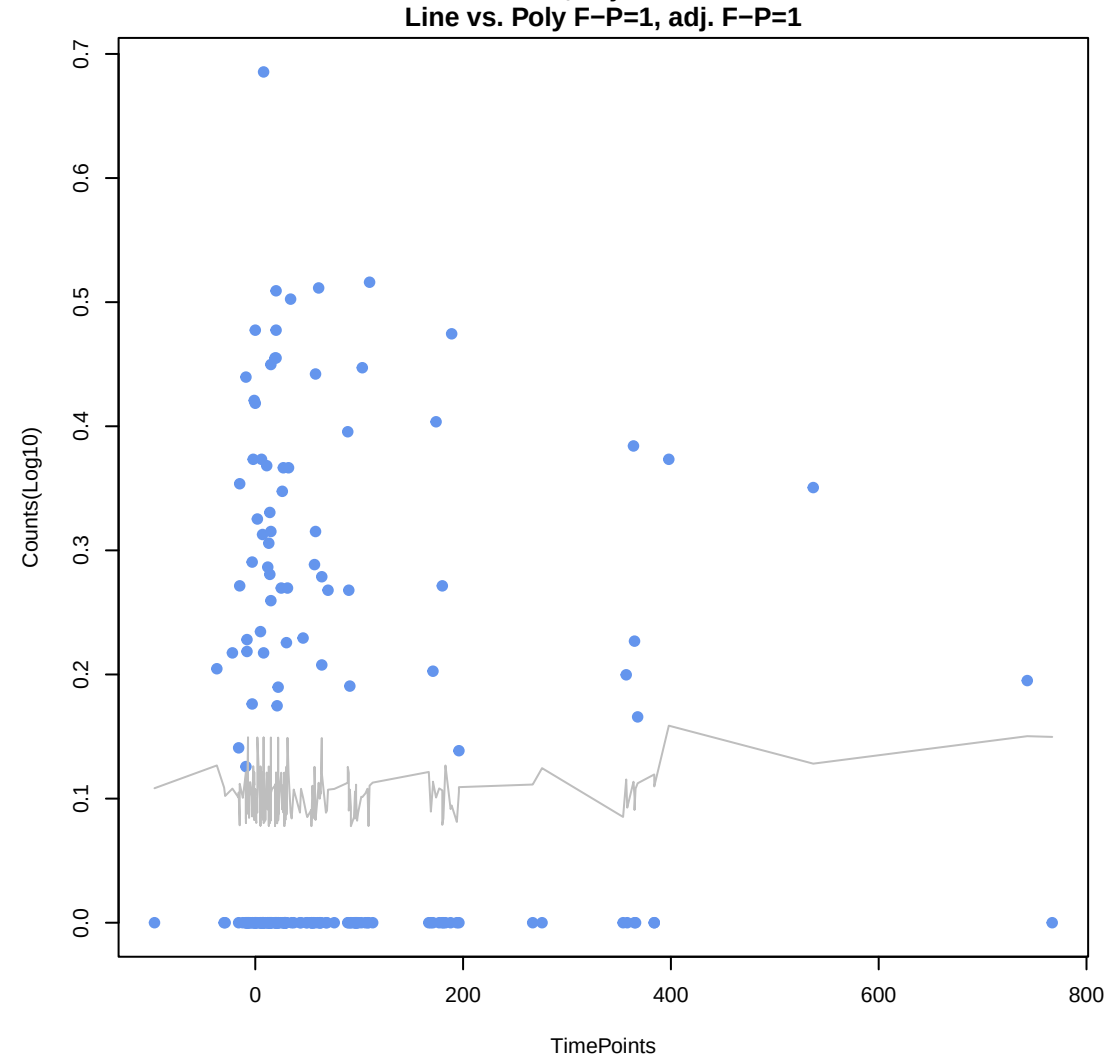
0.2
0.4
0.6
0.8
0
200
400
600
800


APH(3")−Ib
ANOVA P=0.915, adj. ANOVA−P=0.964
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
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0.2
0.3
0.4
0.5
0.6
0.7
0
200
400
600
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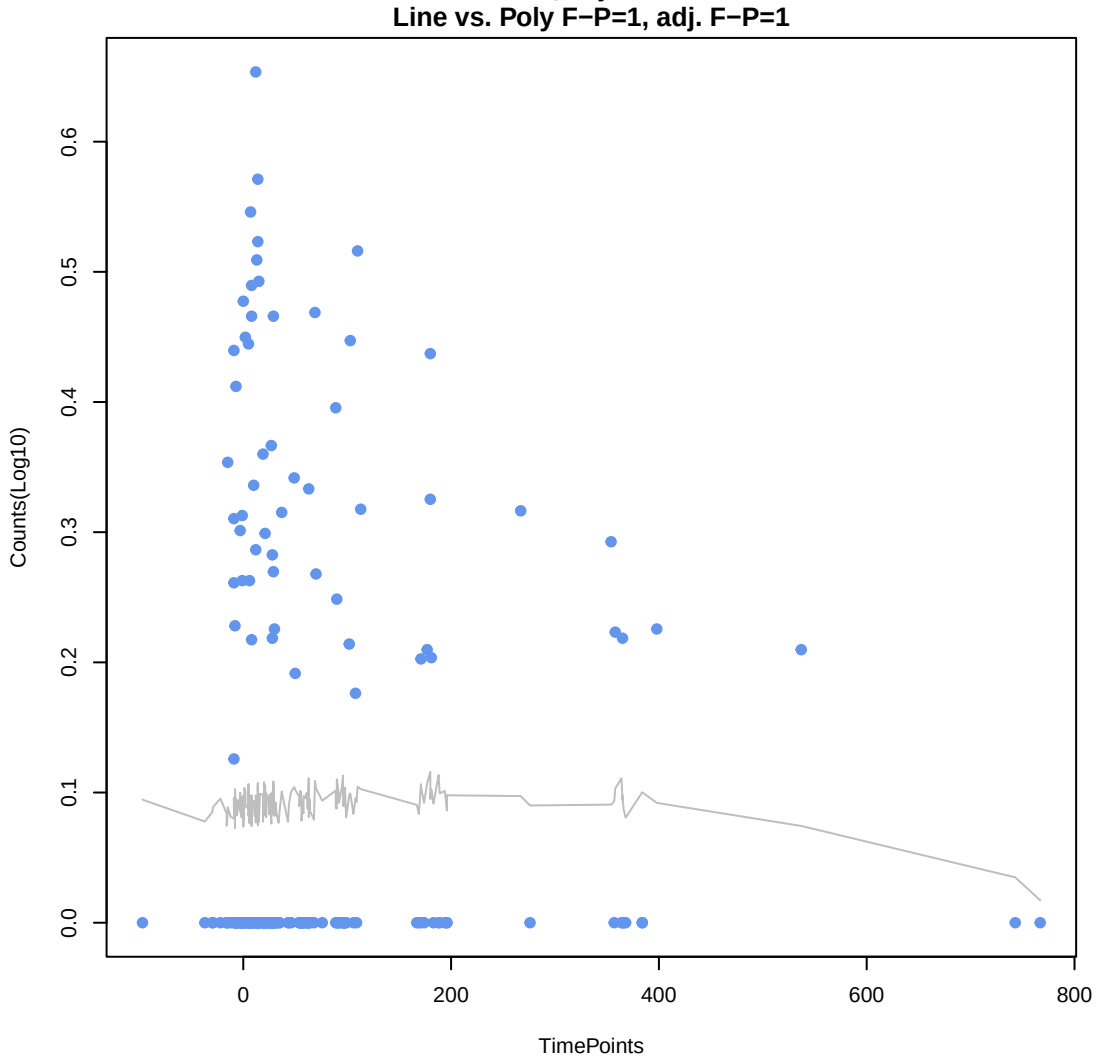
oleB
ANOVA P=0.837, adj. ANOVA−P=0.962
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
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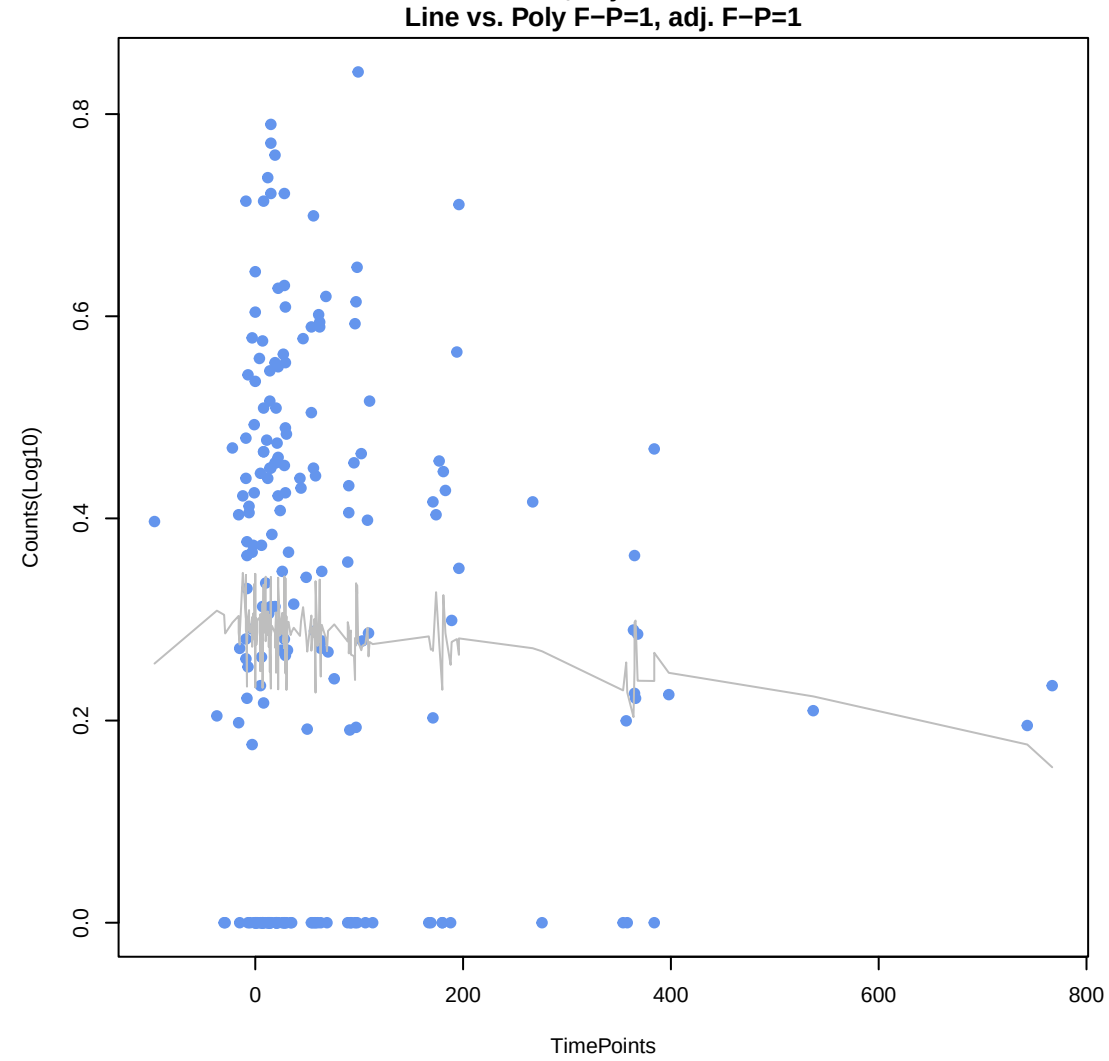
0.2
0.3
0.4
0.5
0.6
0
200
400
600
800


mdtC
ANOVA P=0.585, adj. ANOVA−P=0.793
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
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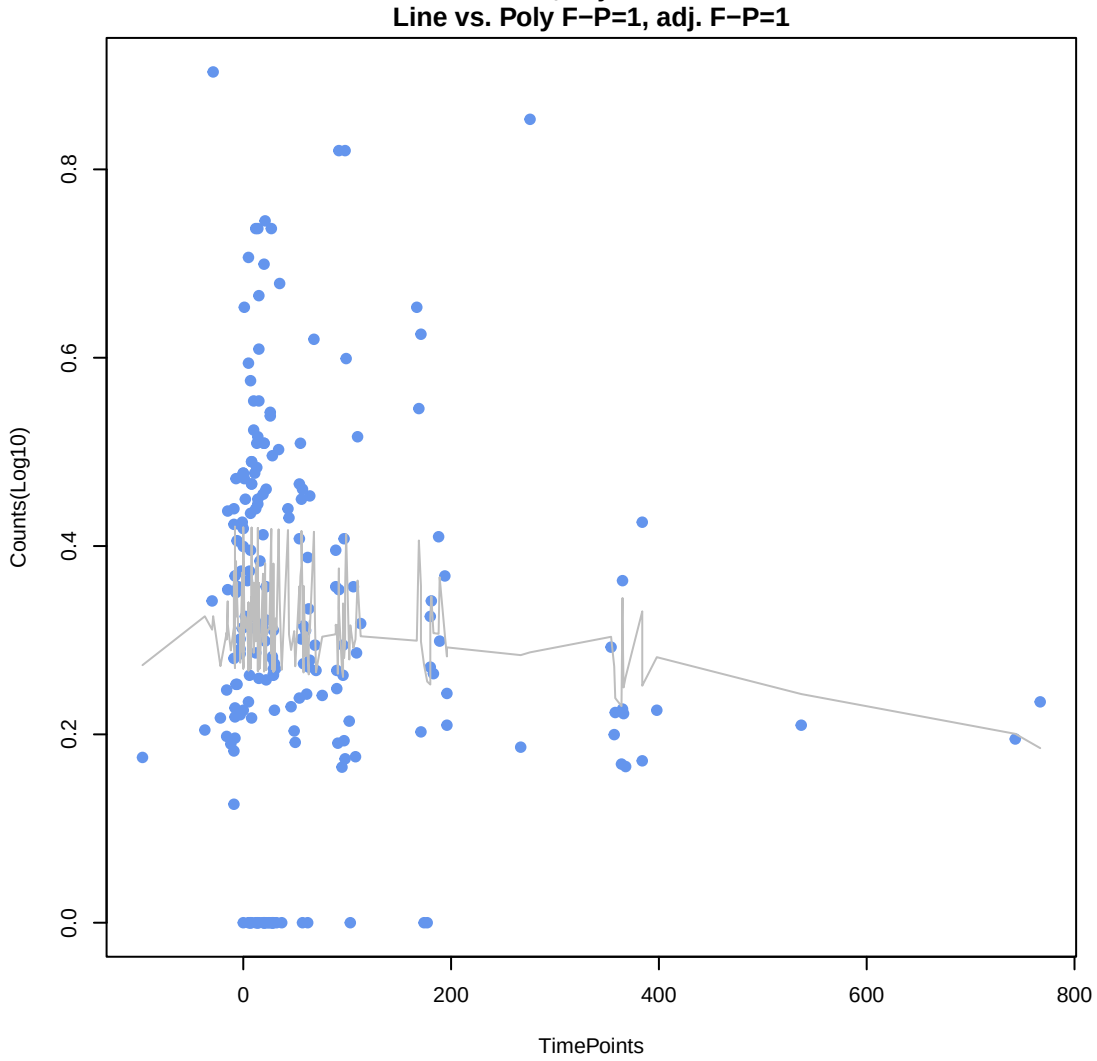
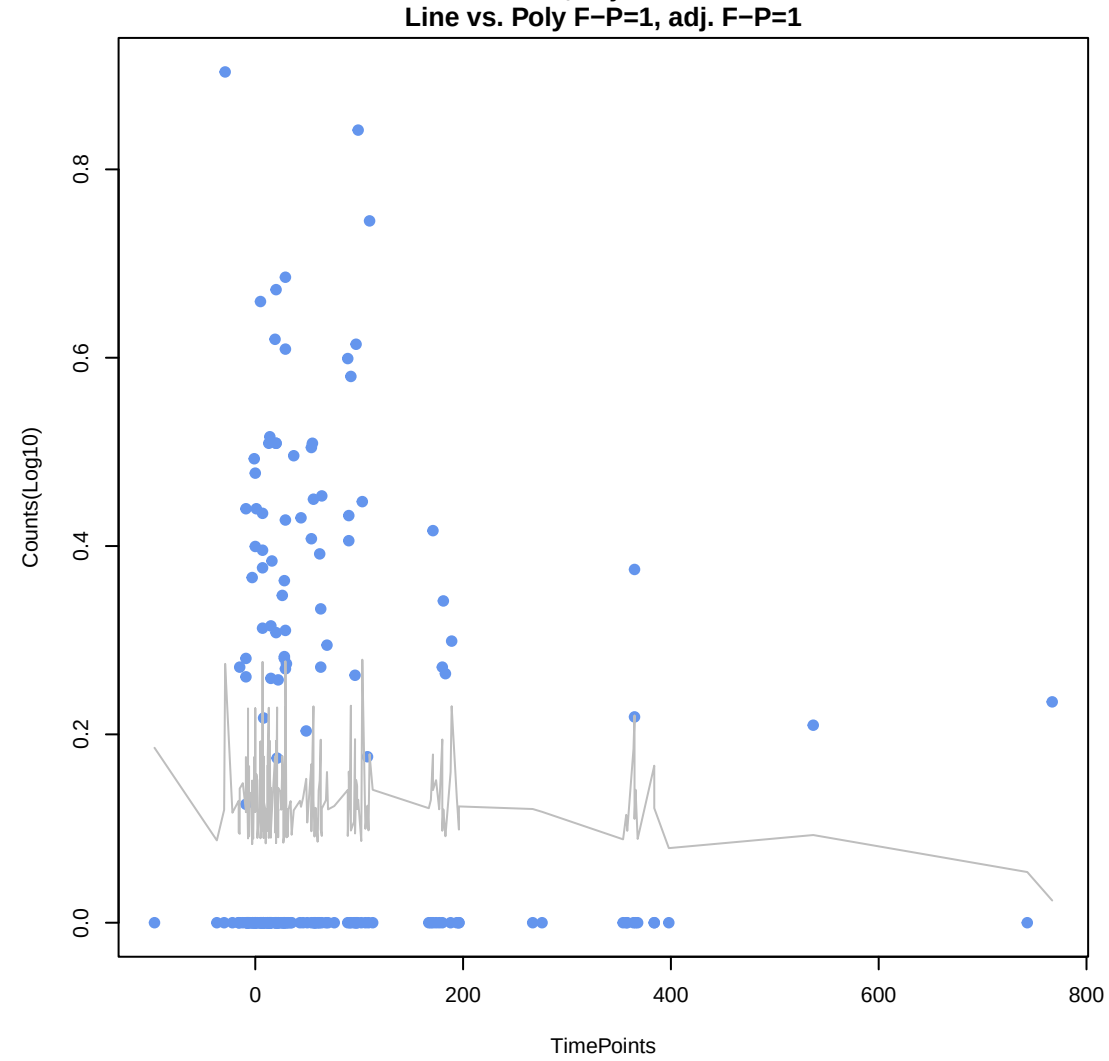
0.2
0.4
0.6
0.8
0
200
400
600
800


tet(40)
ANOVA P=0.564, adj. ANOVA−P=0.783
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
0.0
0.2
0.4
0.6
0.8
0
200
400
600
800


tetB(60)
ANOVA P=0.872, adj. ANOVA−P=0.962
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints
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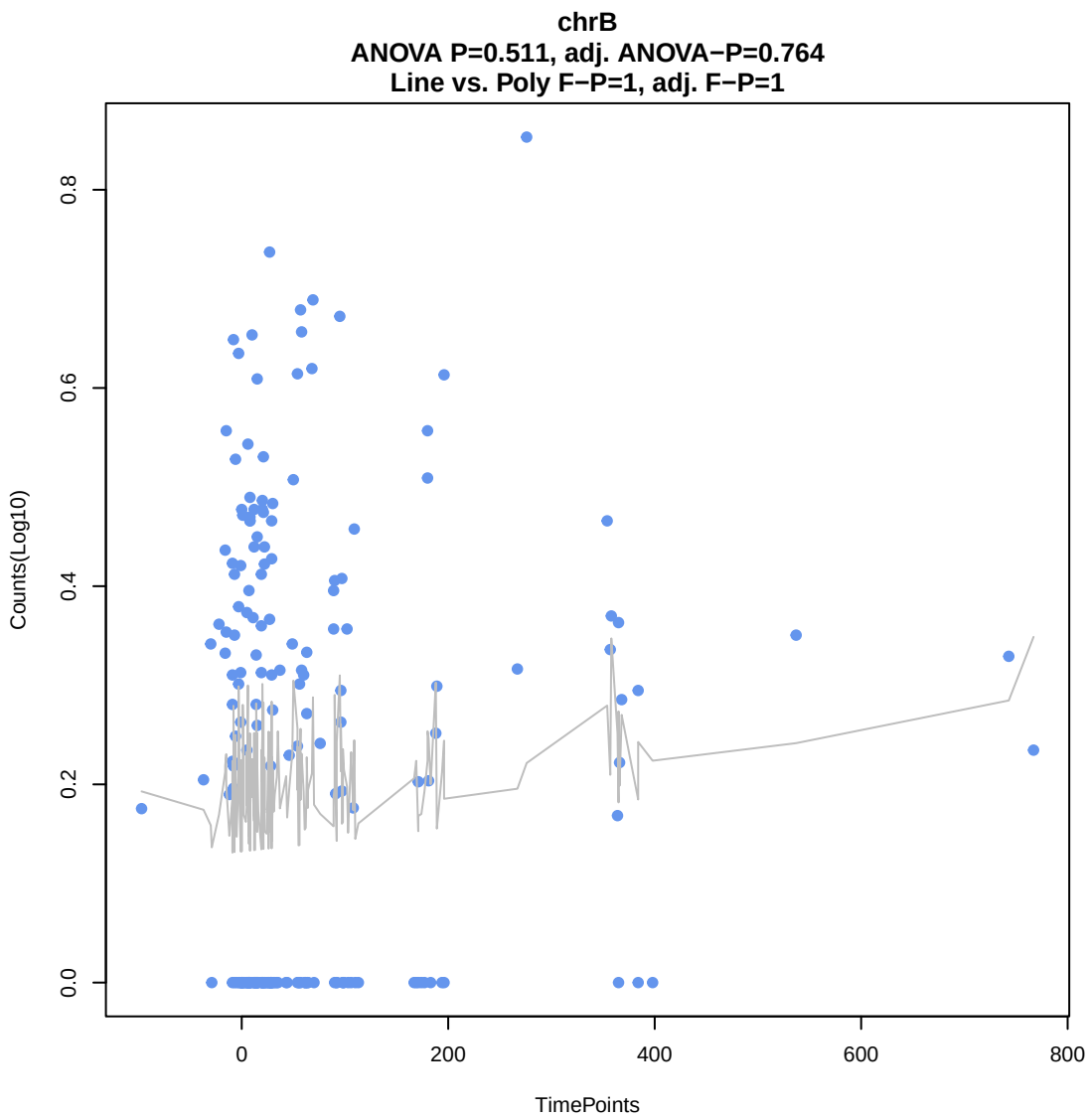
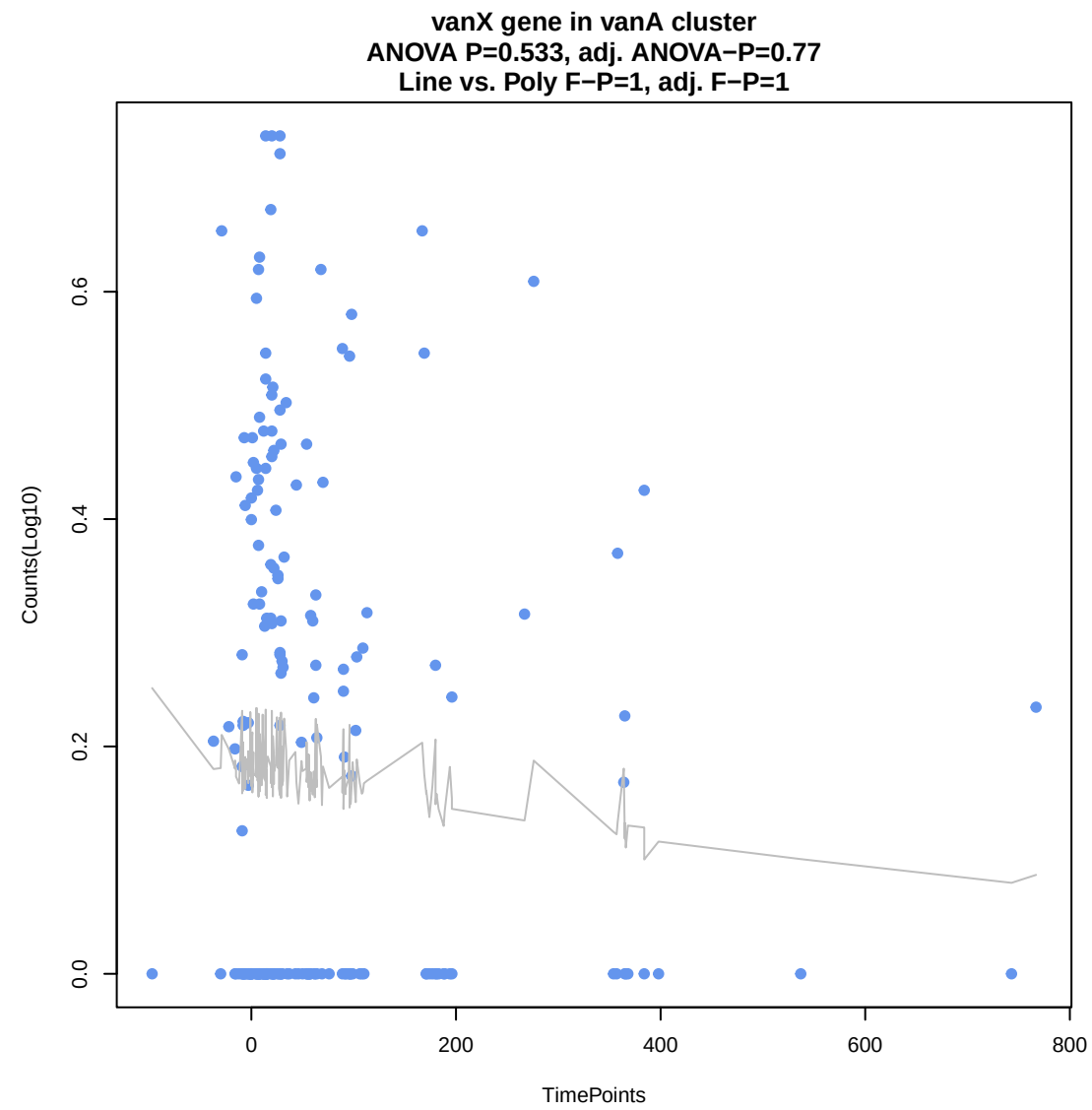
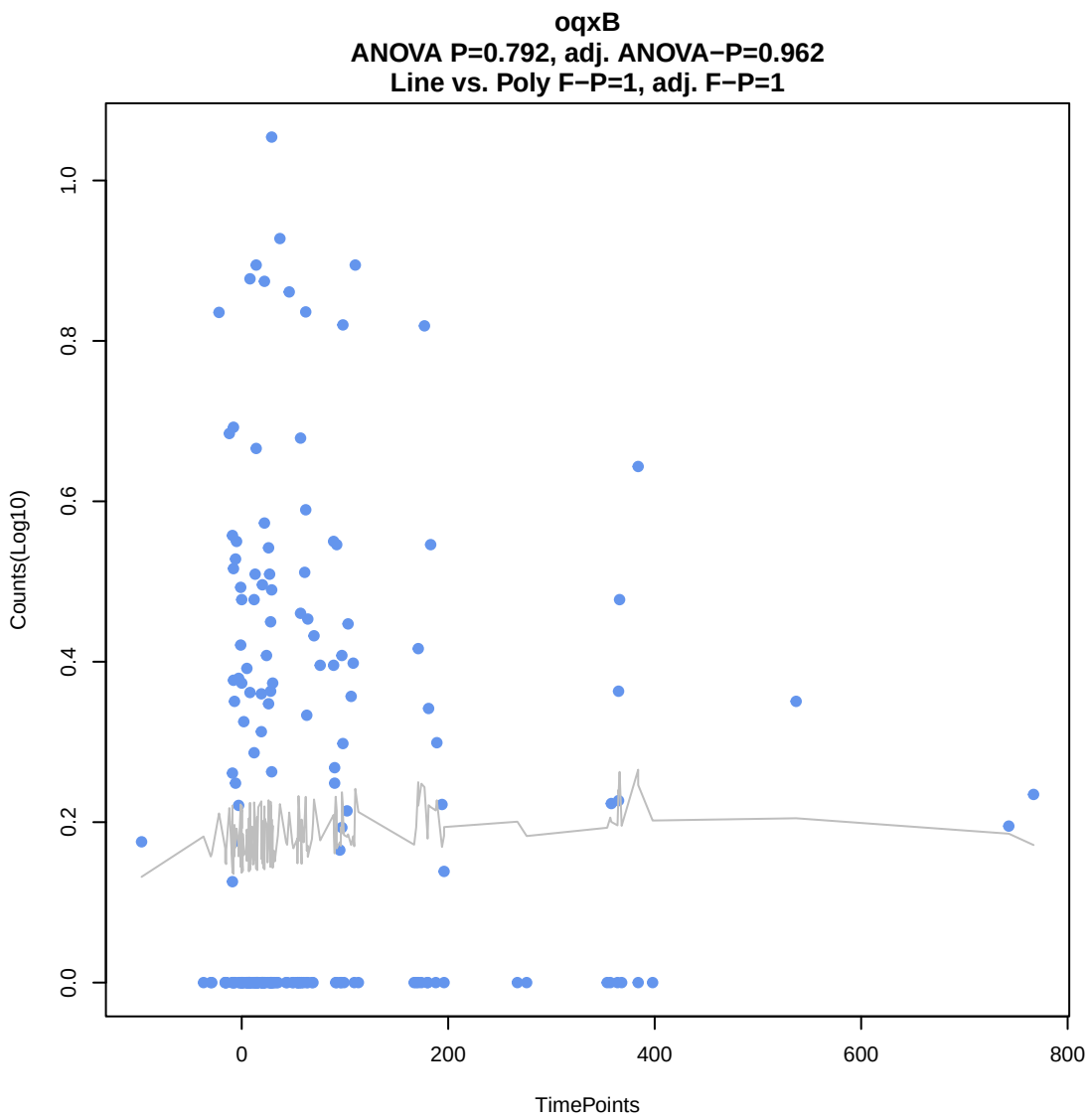
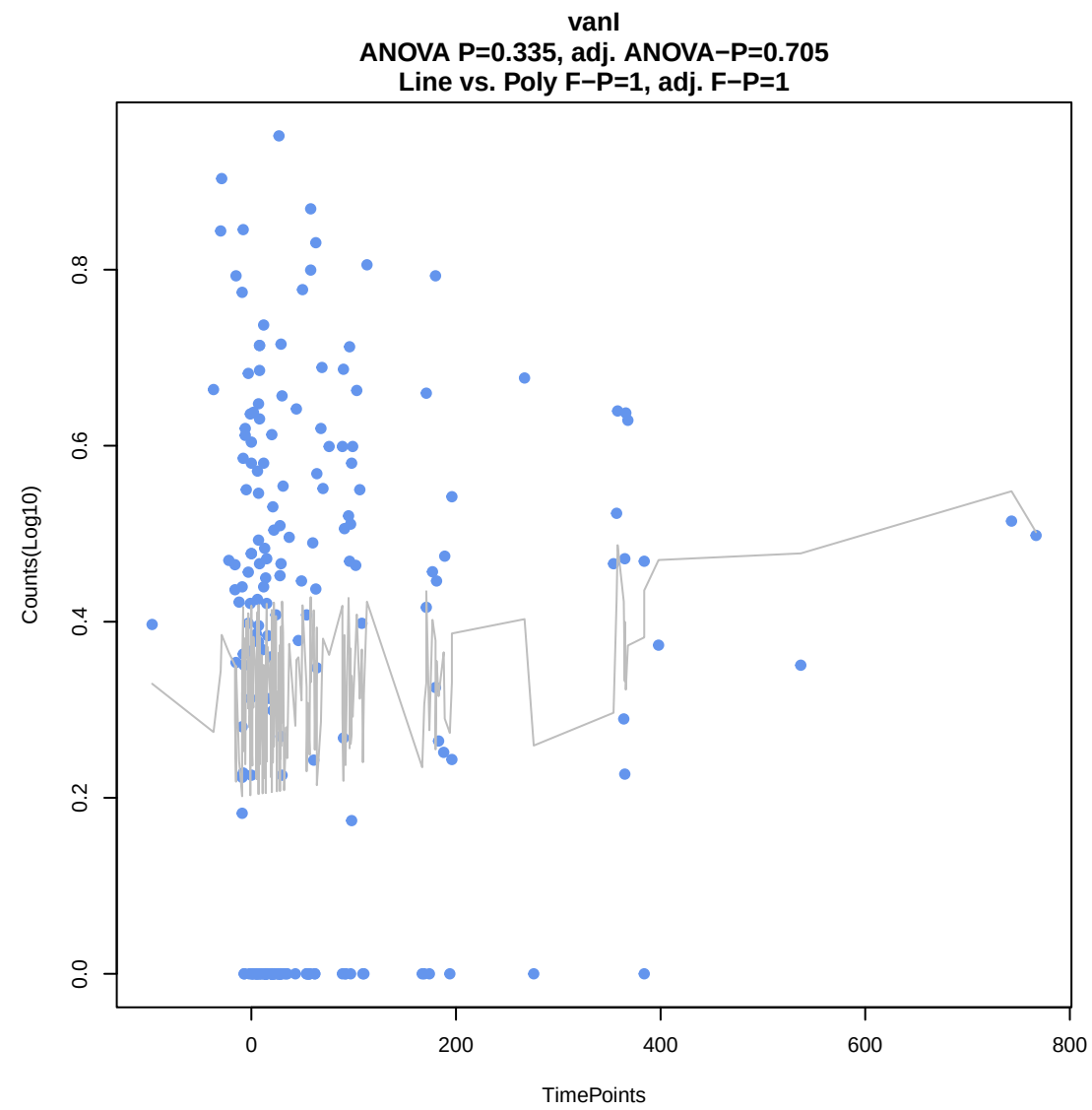
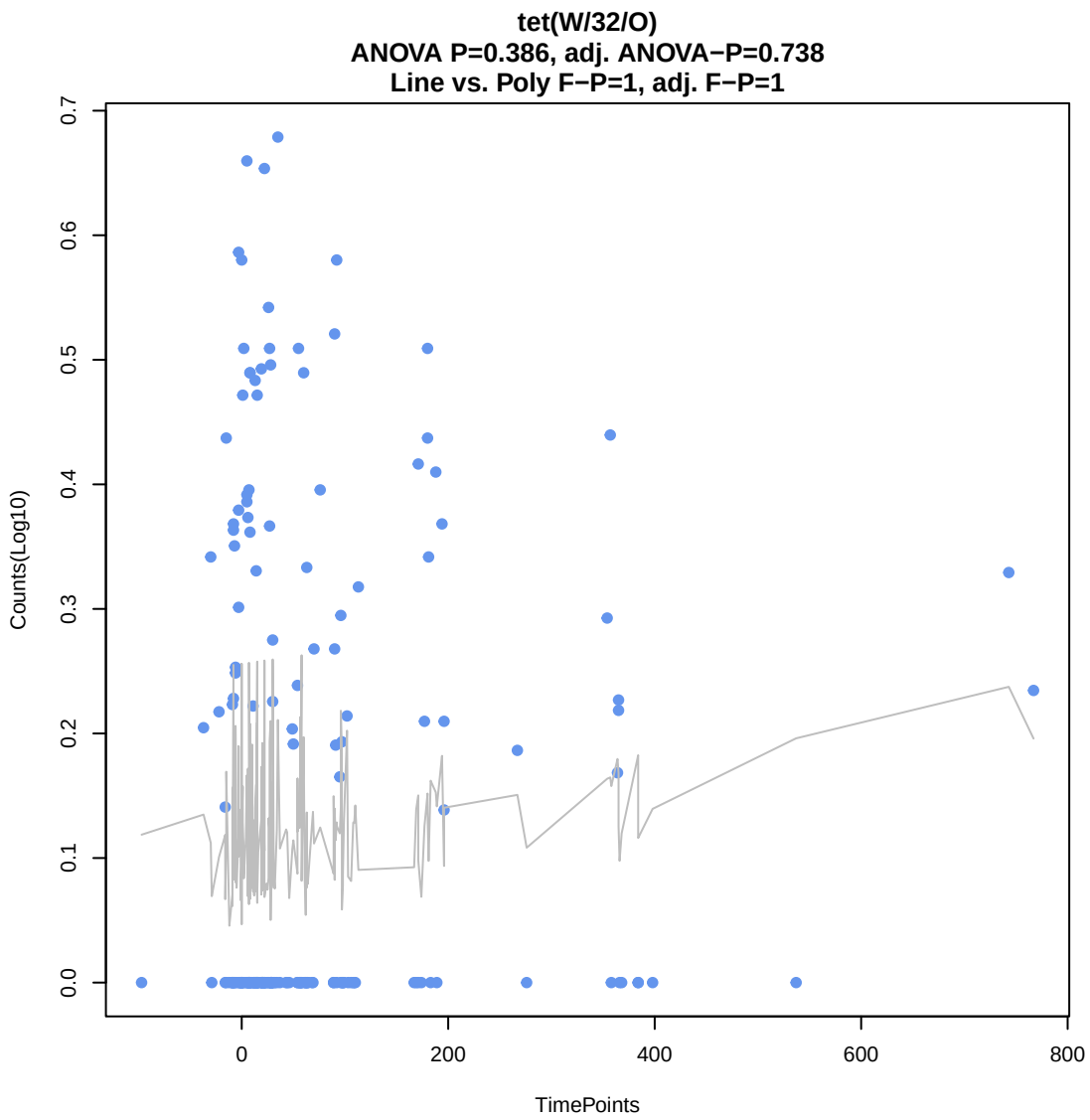
0.2
0.4
0.6
0.8
0
200
400
600
800

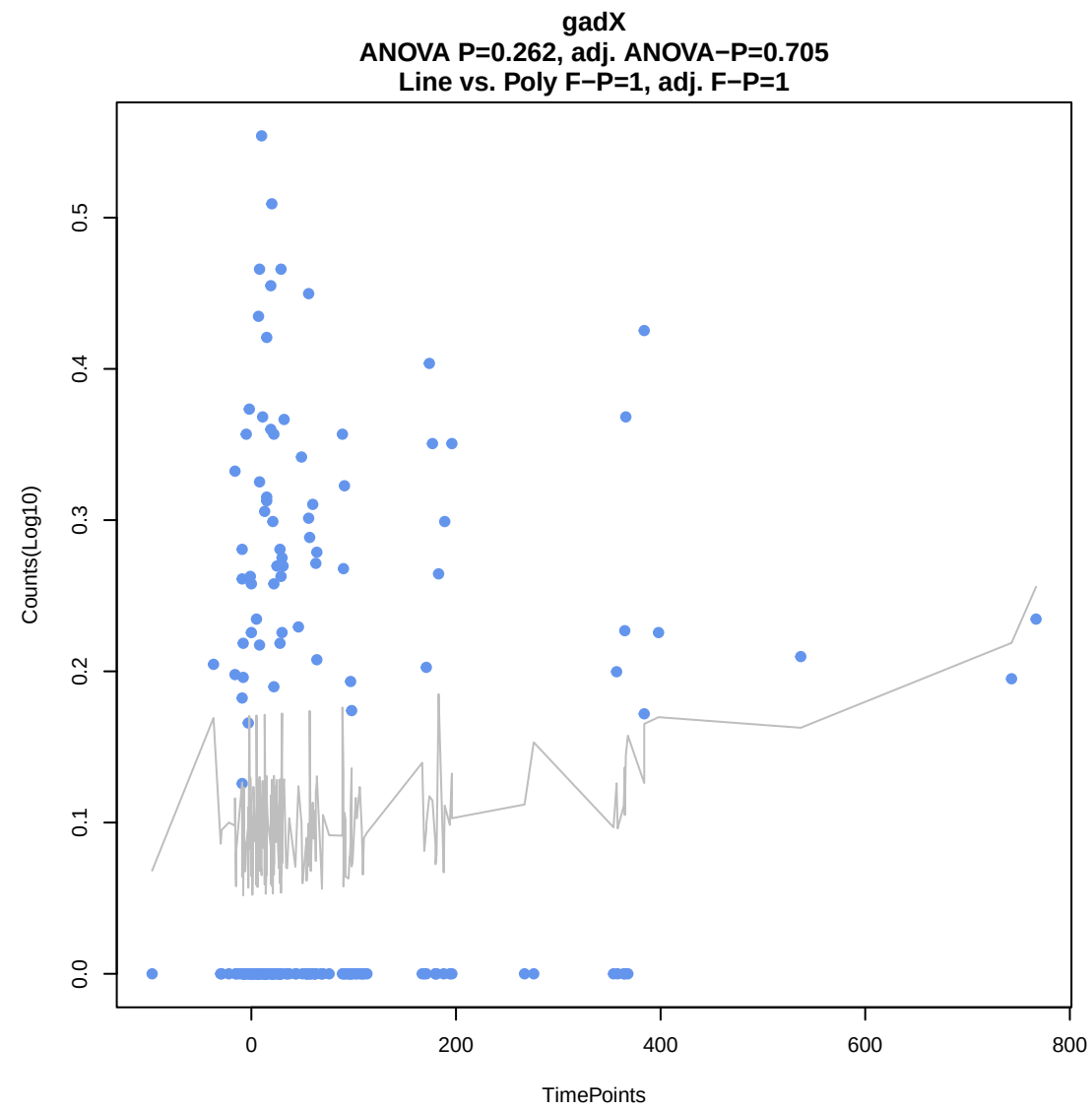

chrB
ANOVA P=0.511, adj. ANOVA−P=0.764
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

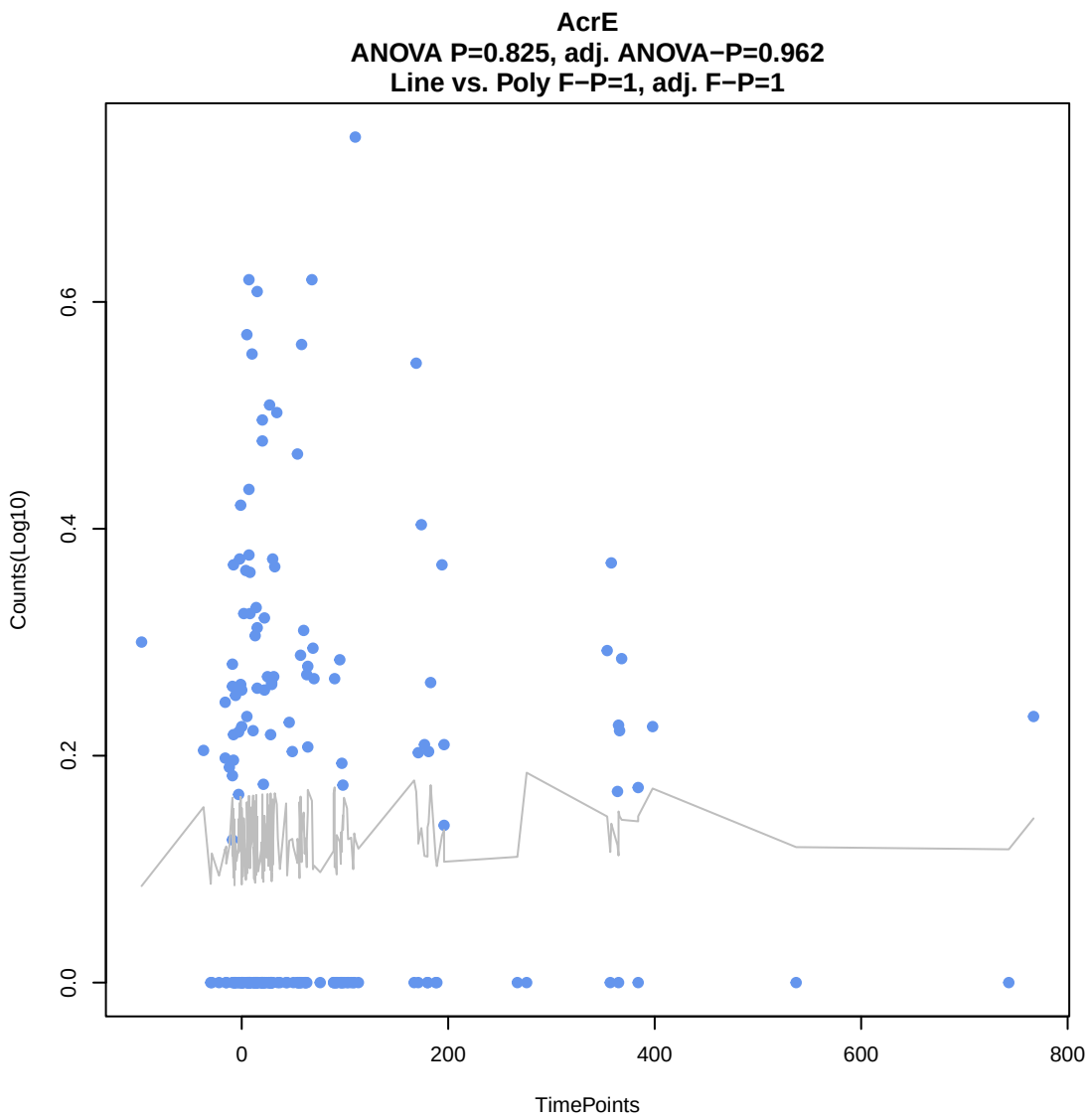

vanX gene in vanA cluster
ANOVA P=0.533, adj. ANOVA−P=0.77
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

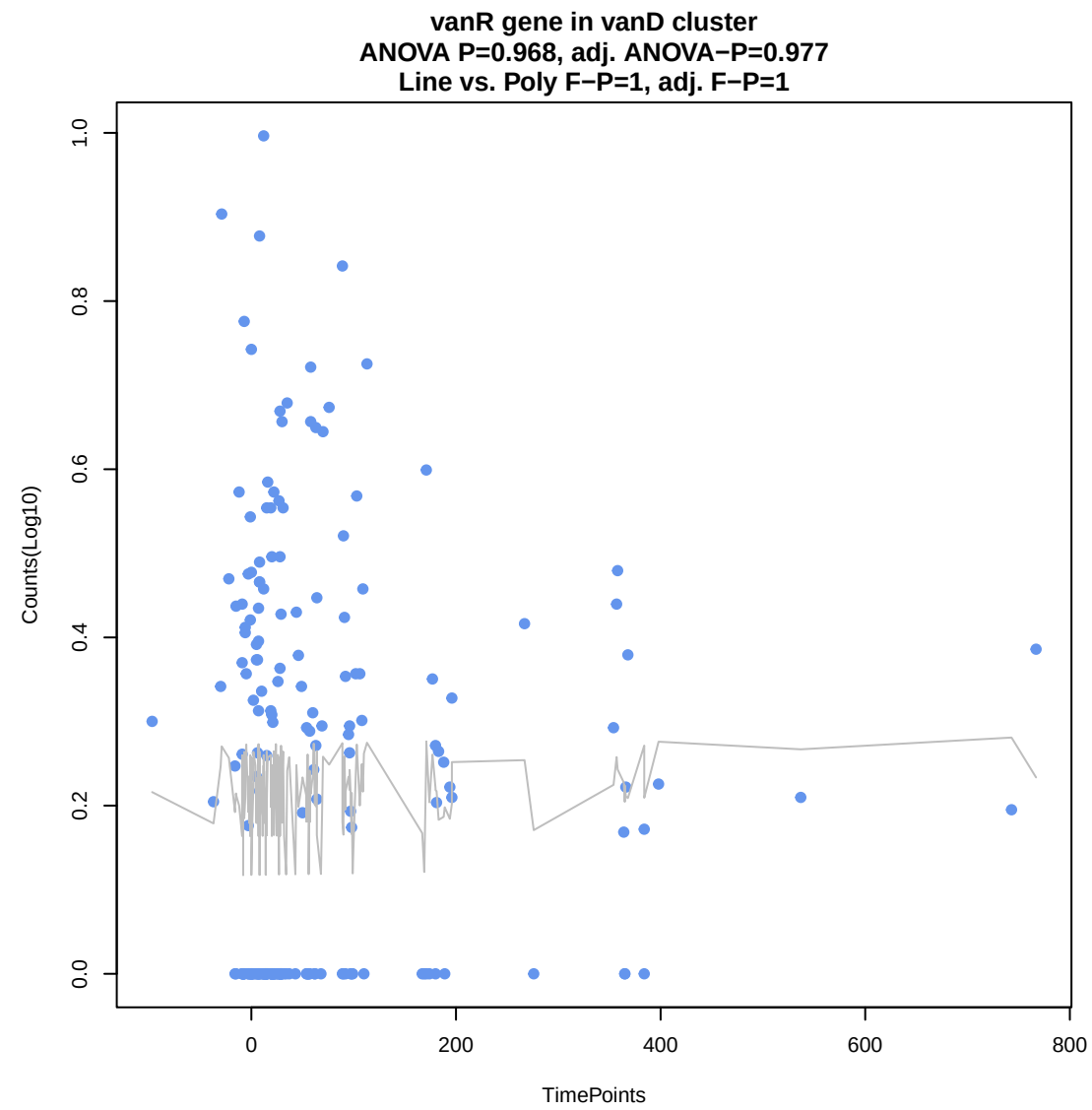

oqxB
ANOVA P=0.792, adj. ANOVA−P=0.962
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

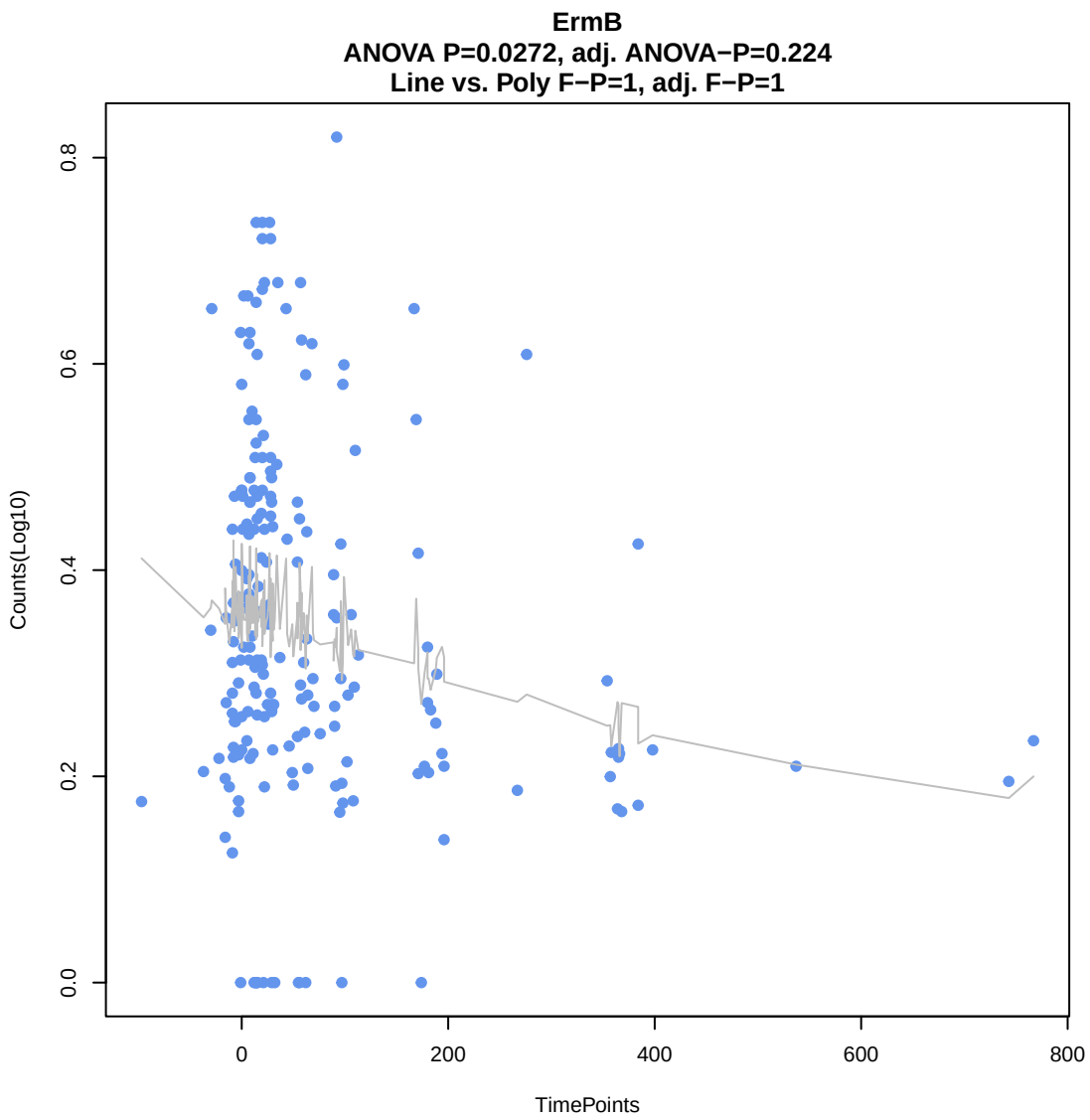

vanI
ANOVA P=0.335, adj. ANOVA−P=0.705
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

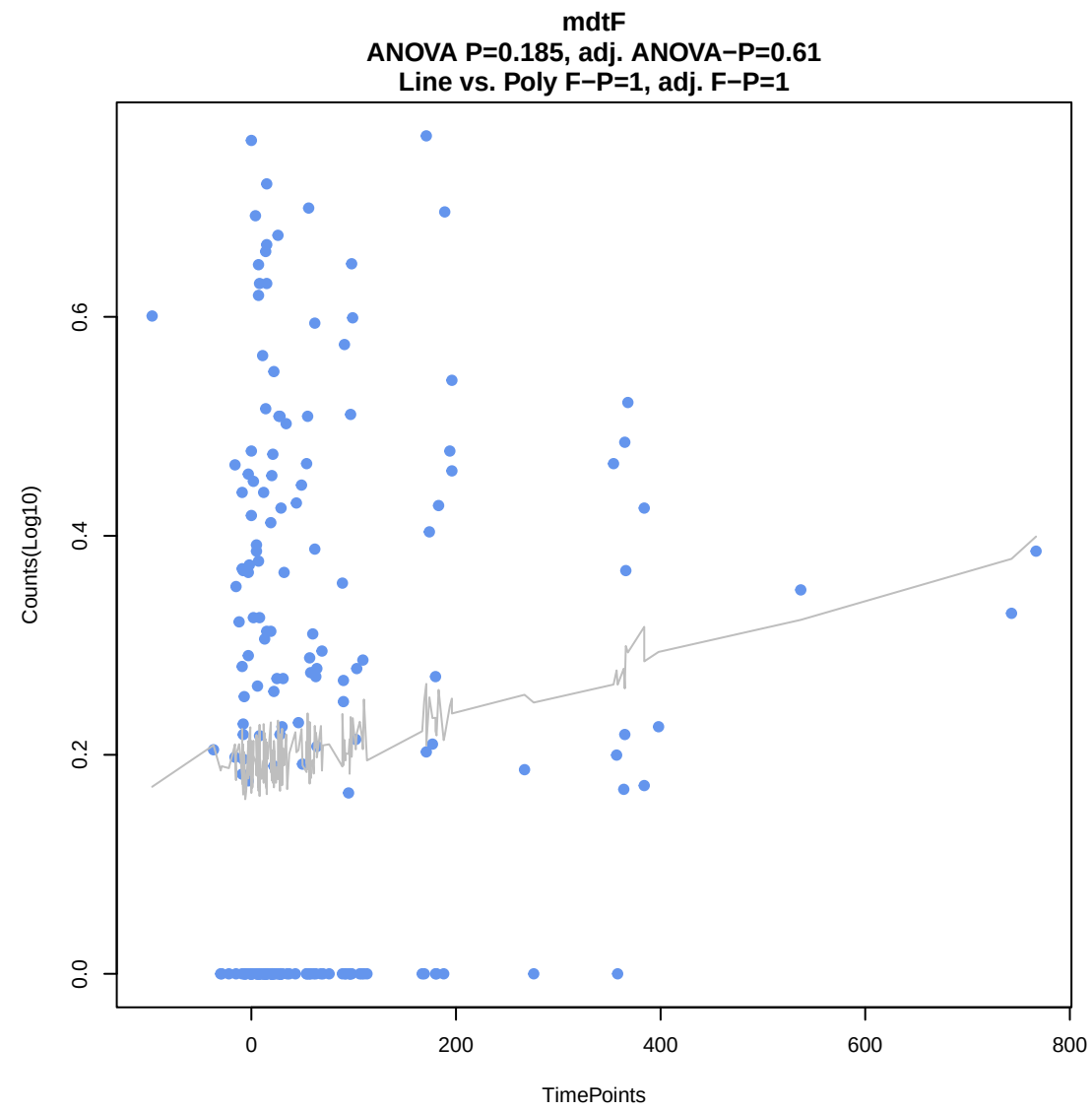

tet(W/32/O)
ANOVA P=0.386, adj. ANOVA−P=0.738
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

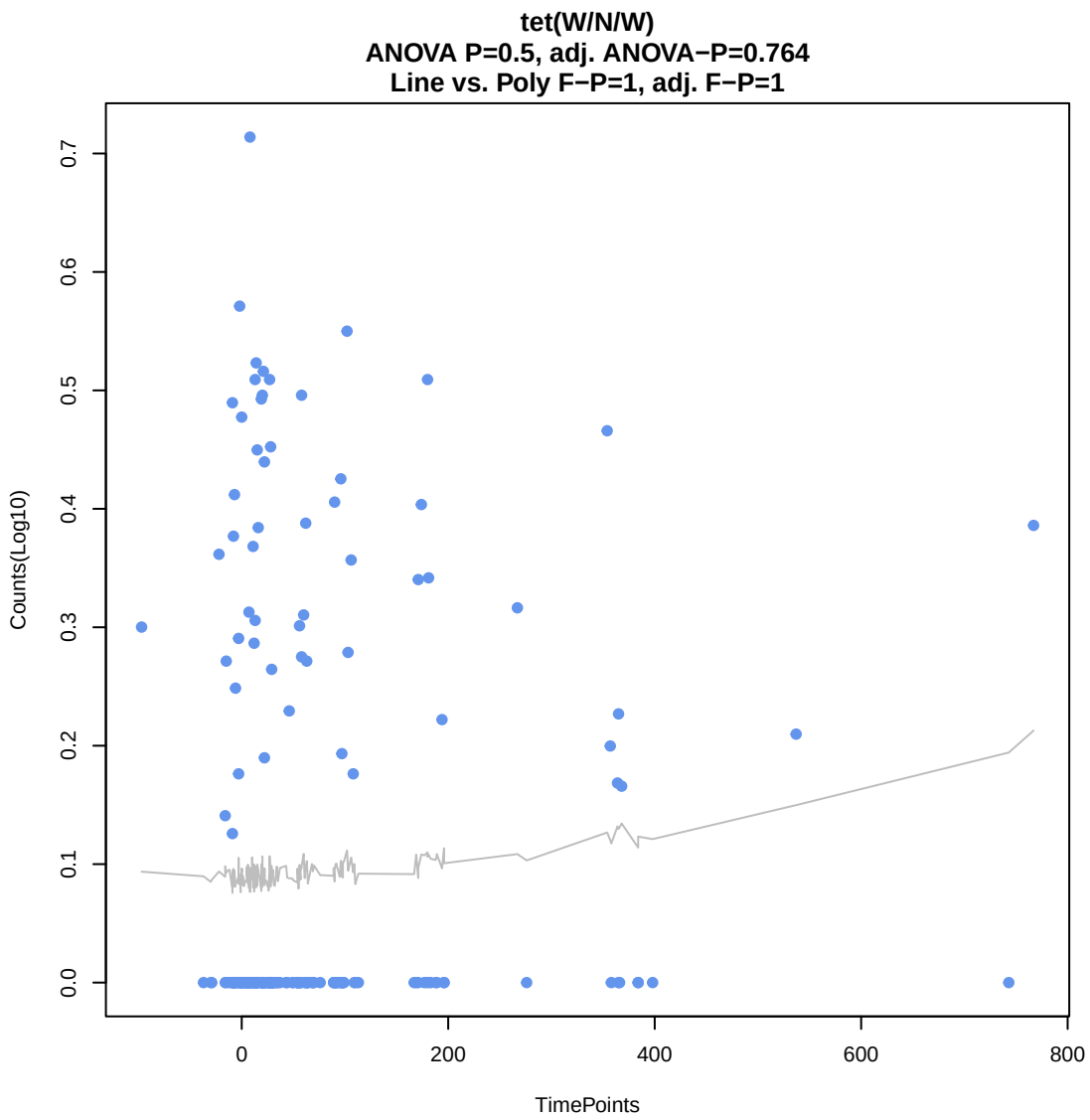

gadX
ANOVA P=0.262, adj. ANOVA−P=0.705
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

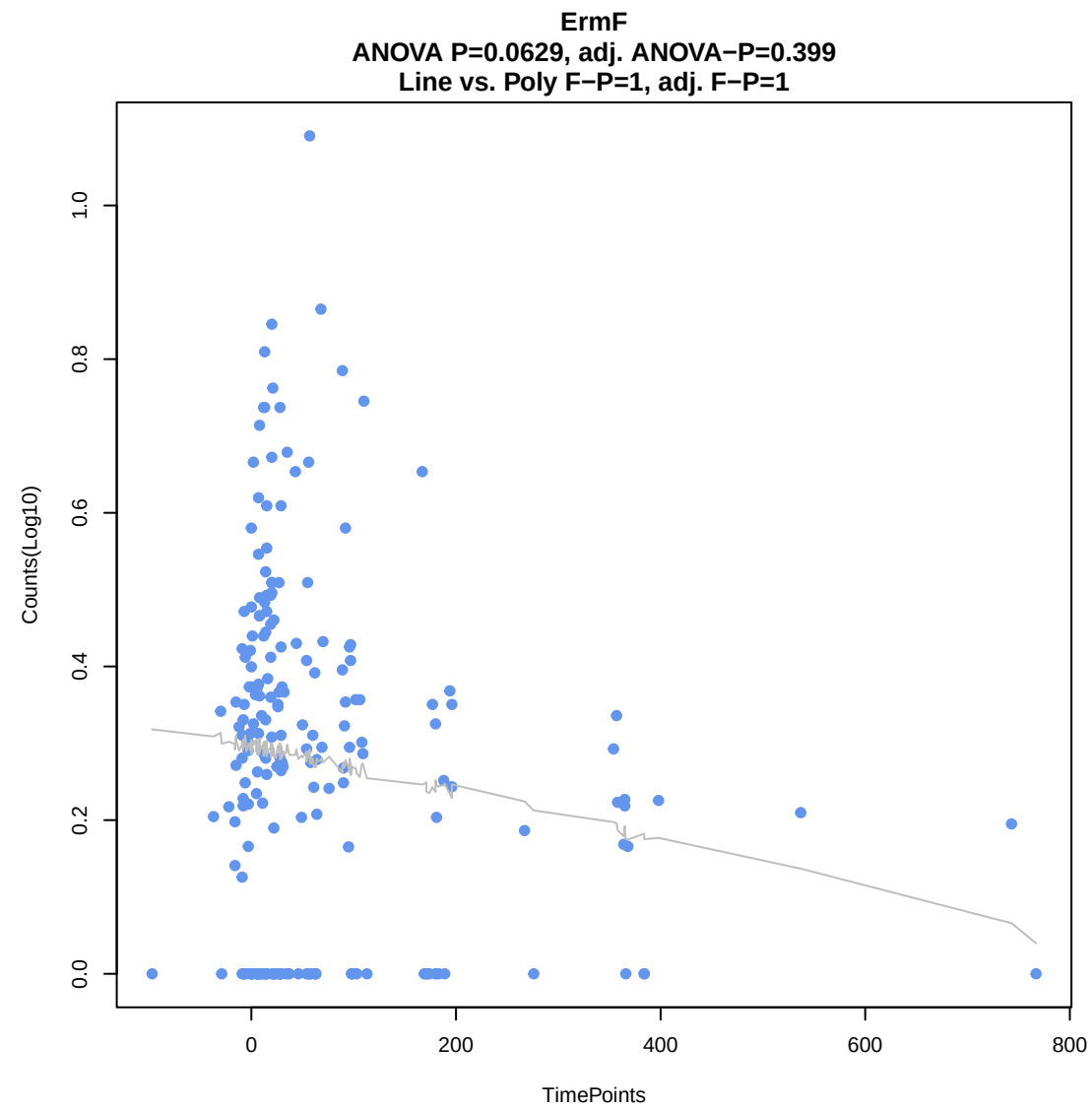

AcrE
ANOVA P=0.825, adj. ANOVA−P=0.962
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

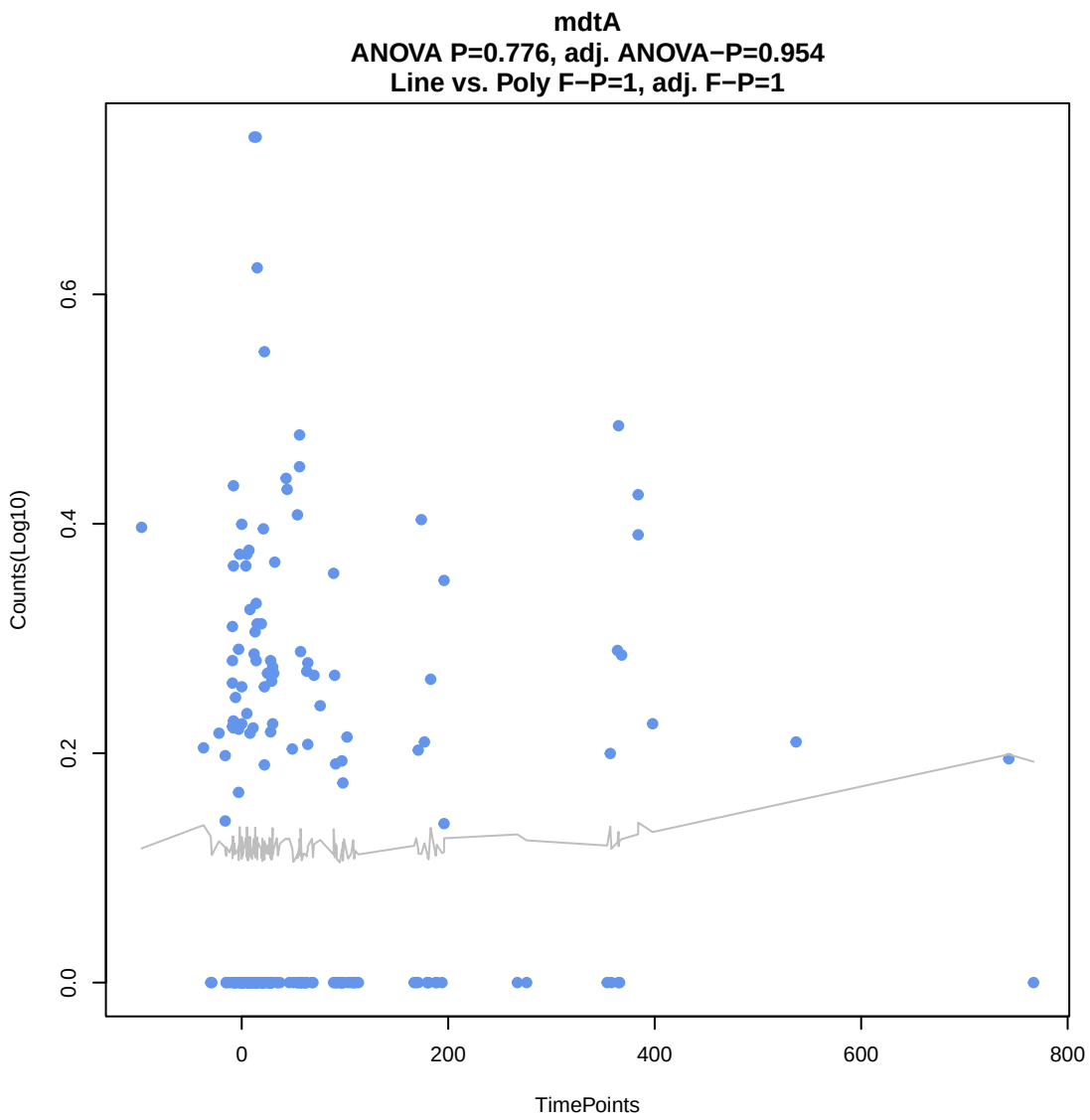

vanR gene in vanD cluster
ANOVA P=0.968, adj. ANOVA−P=0.977
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

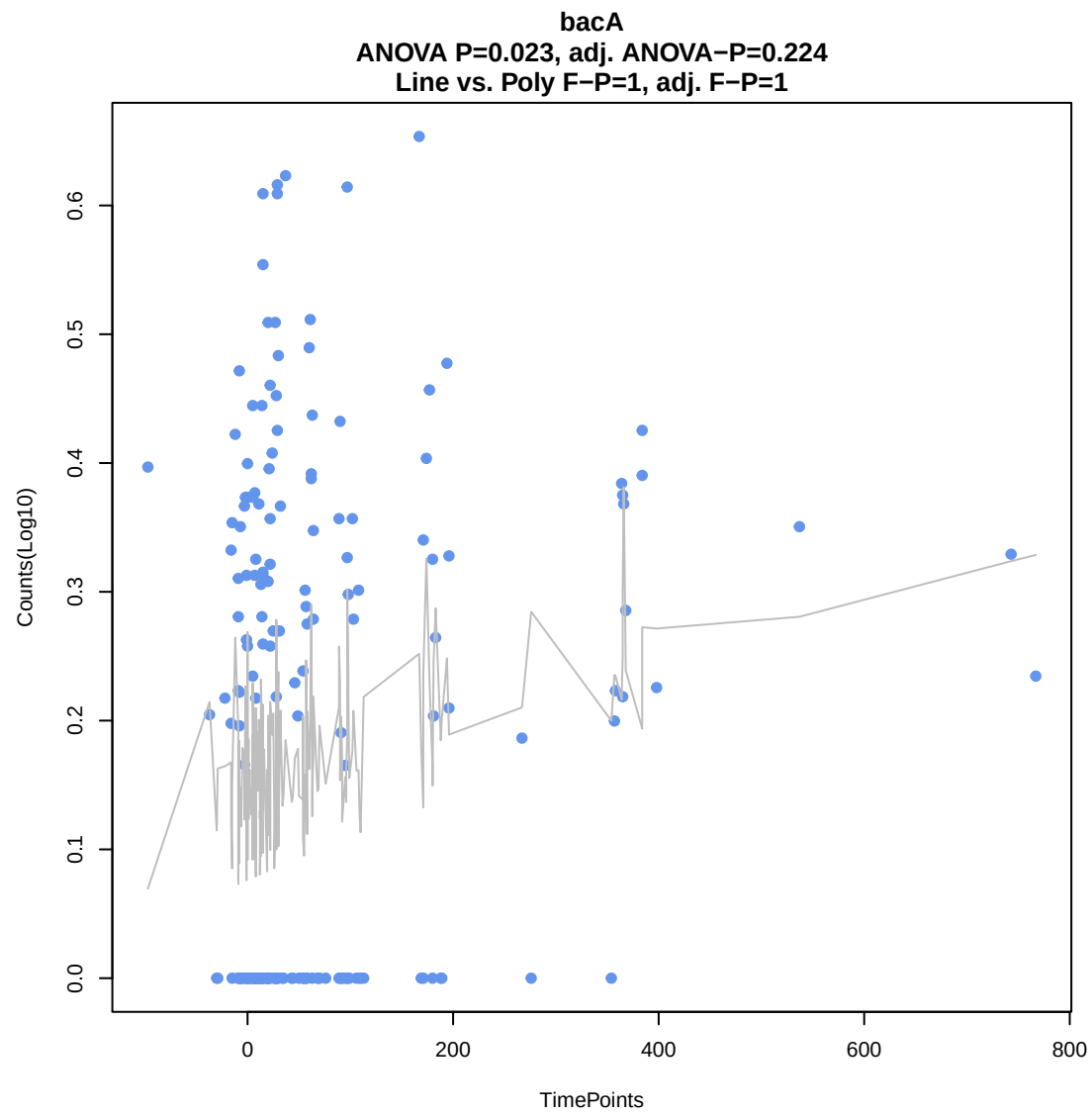

ErmB
ANOVA P=0.0272, adj. ANOVA−P=0.224
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

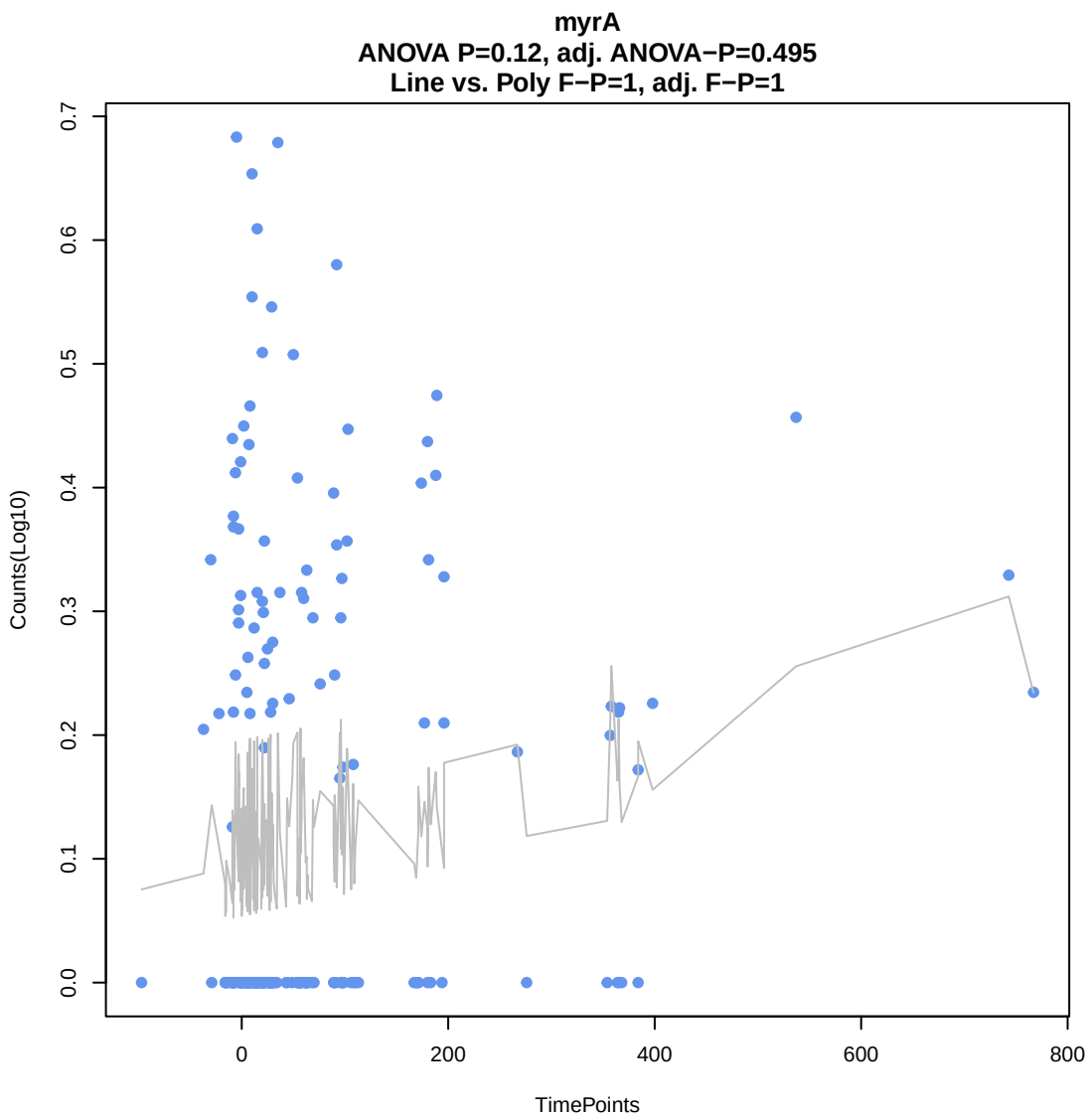

mdtF
ANOVA P=0.185, adj. ANOVA−P=0.61
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

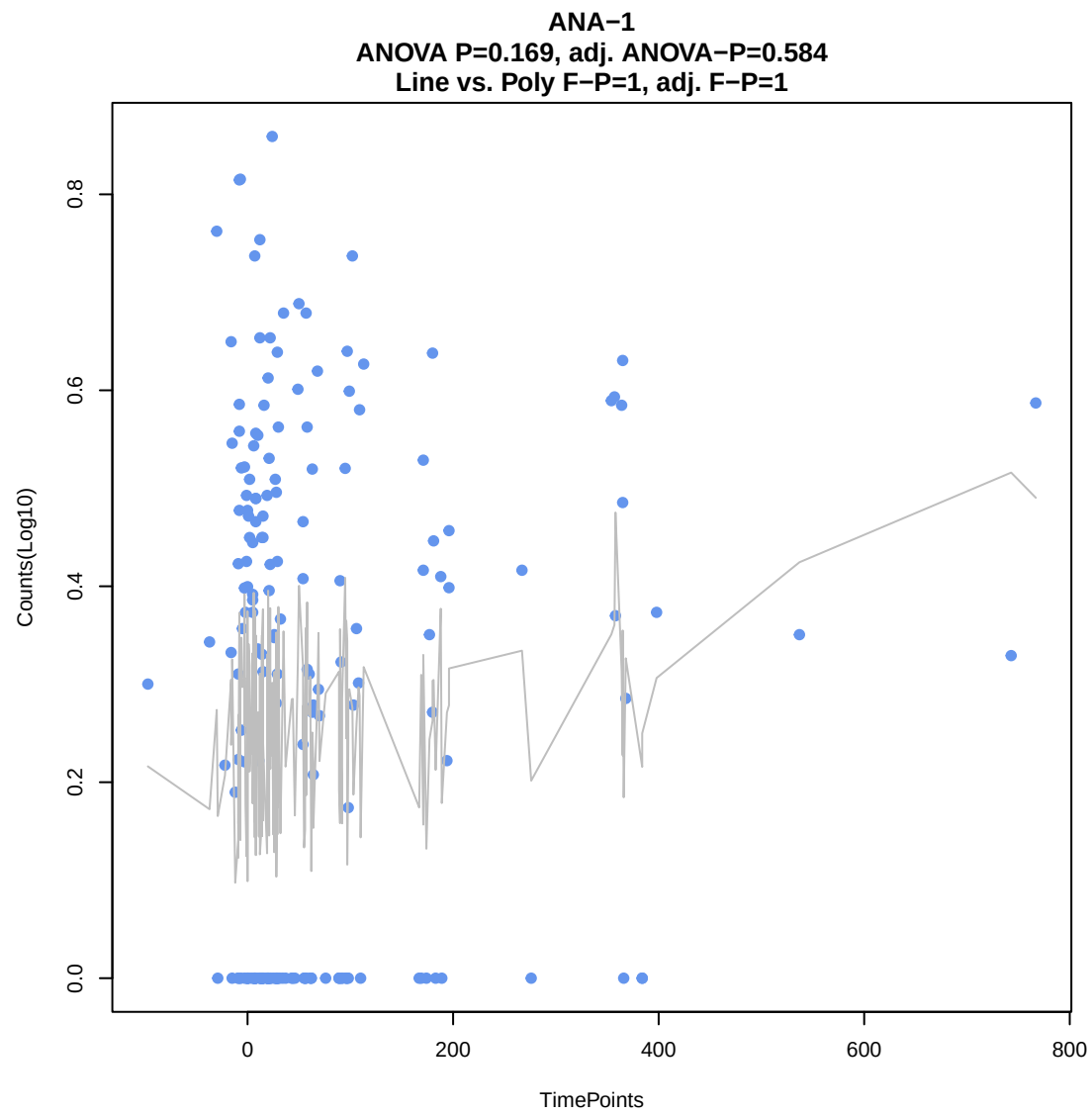

tet(W/N/W)
ANOVA P=0.5, adj. ANOVA−P=0.764
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

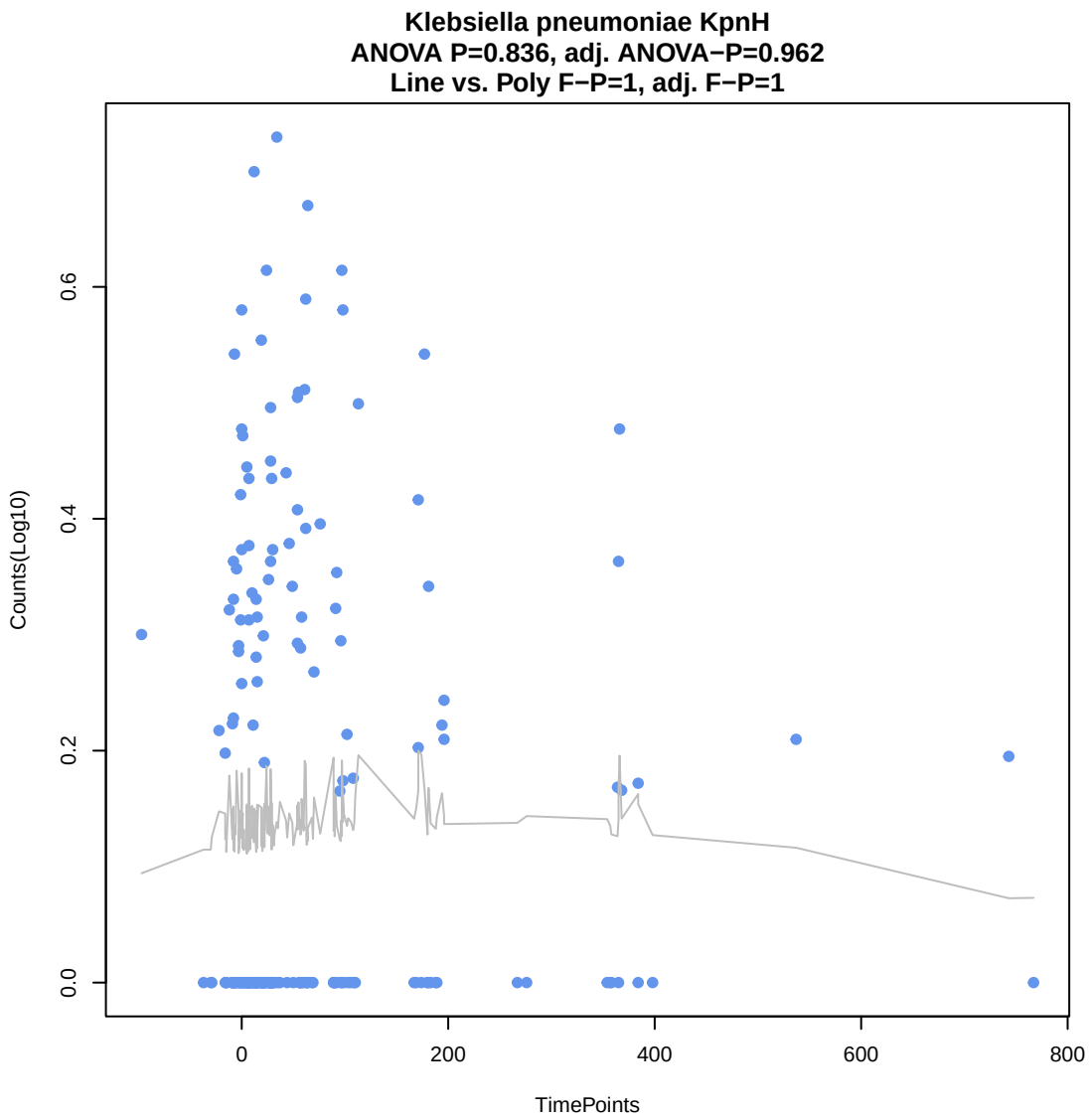

ErmF
ANOVA P=0.0629, adj. ANOVA−P=0.399
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


mdtA
ANOVA P=0.776, adj. ANOVA−P=0.954
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


bacA
ANOVA P=0.023, adj. ANOVA−P=0.224
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


myrA
ANOVA P=0.12, adj. ANOVA−P=0.495
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


ANA−1
ANOVA P=0.169, adj. ANOVA−P=0.584
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints


Klebsiella pneumoniae KpnH
ANOVA P=0.836, adj. ANOVA−P=0.962
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints