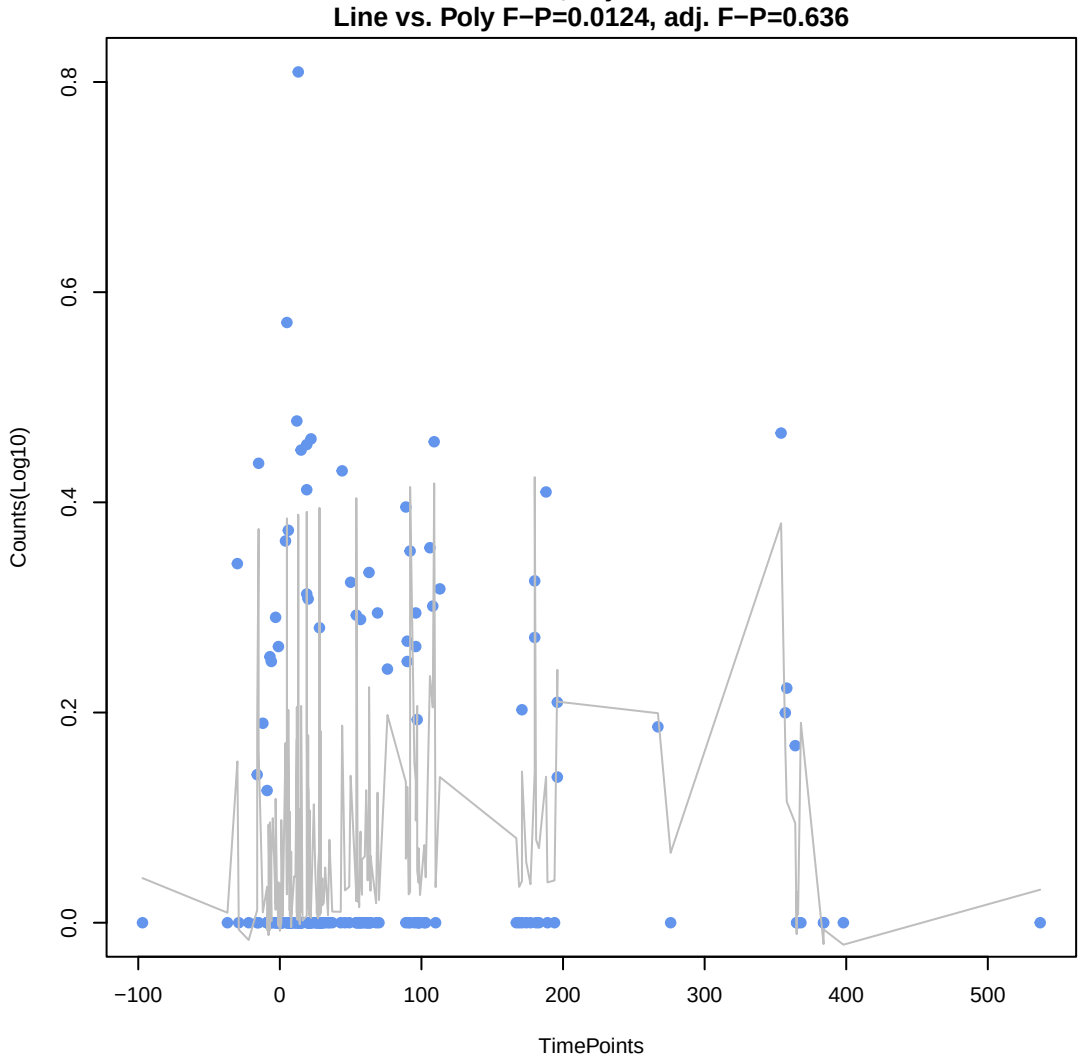
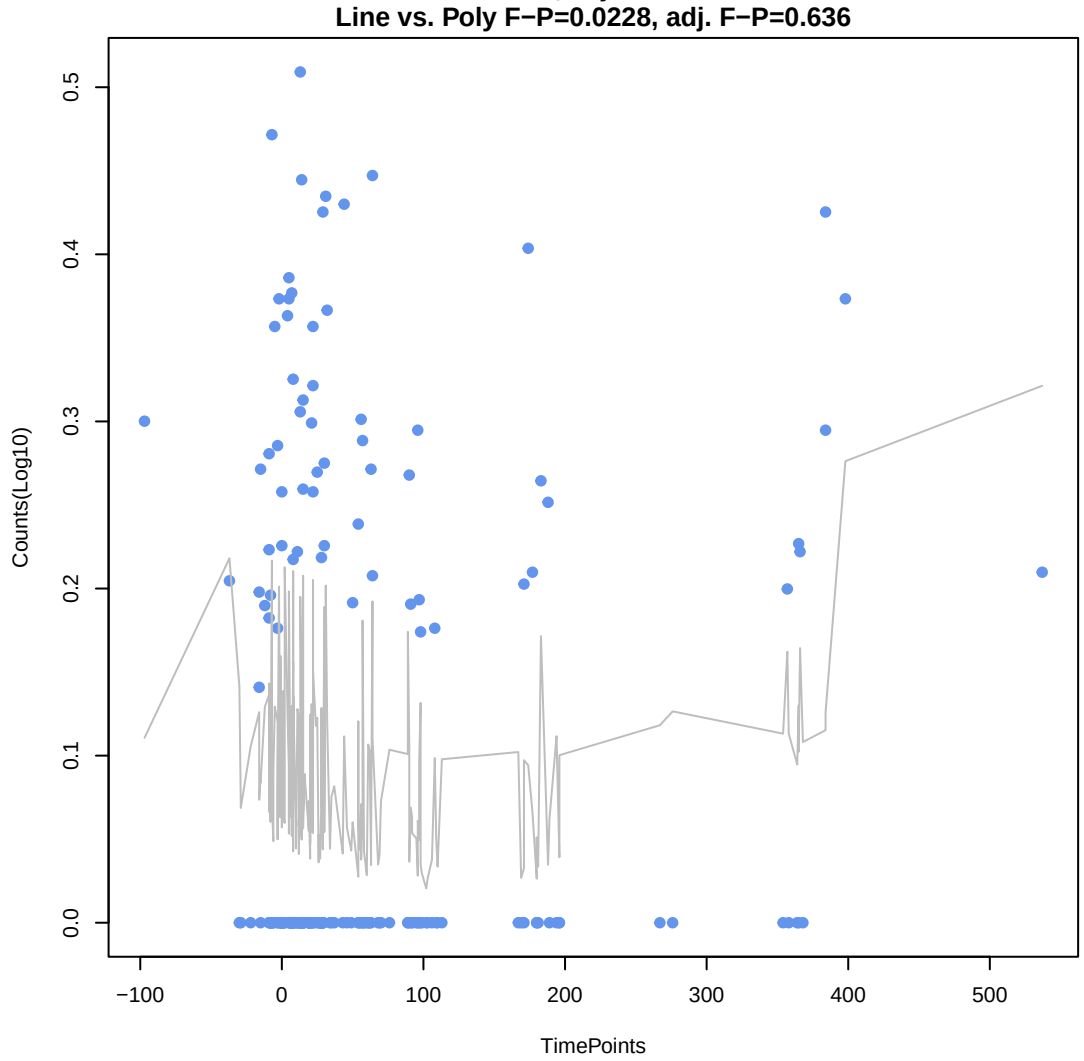
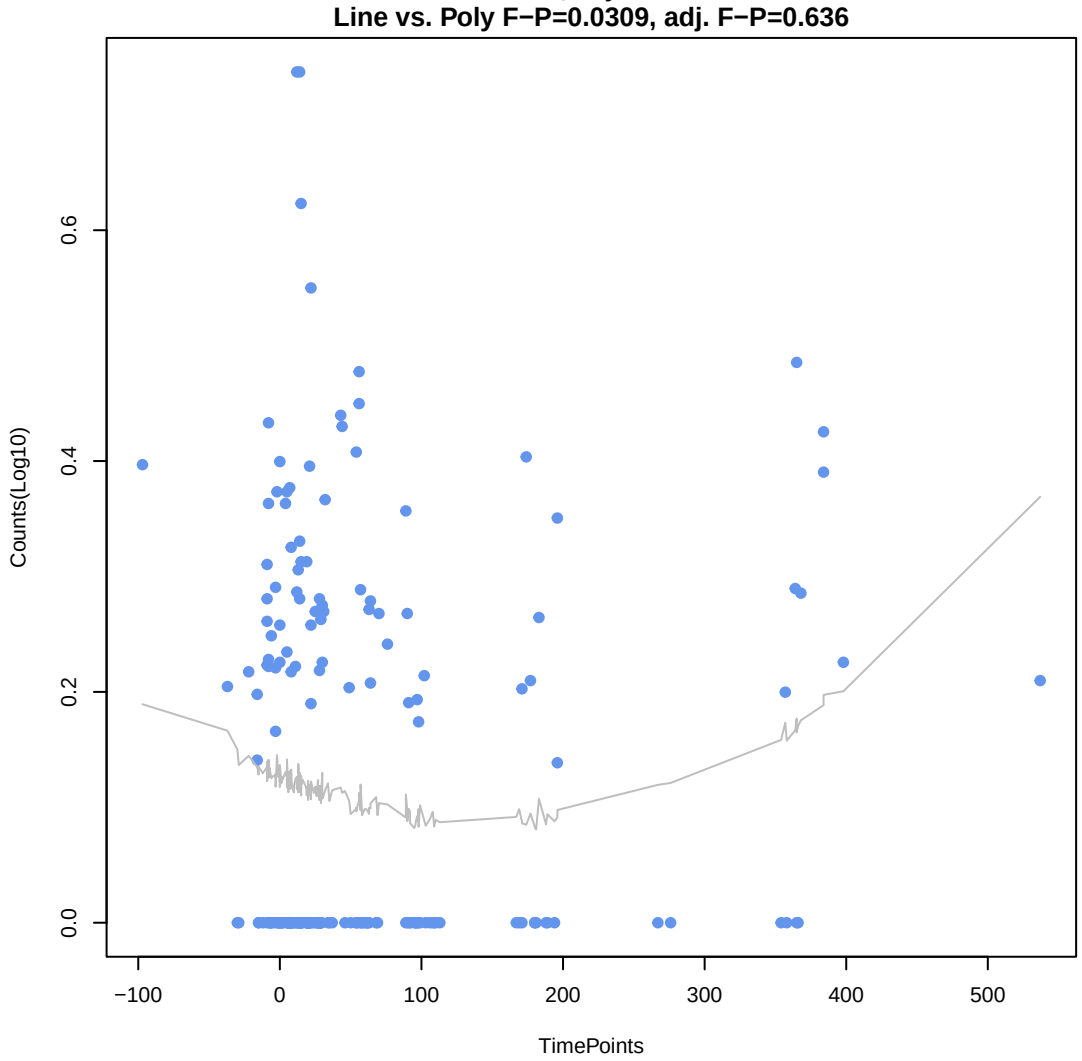
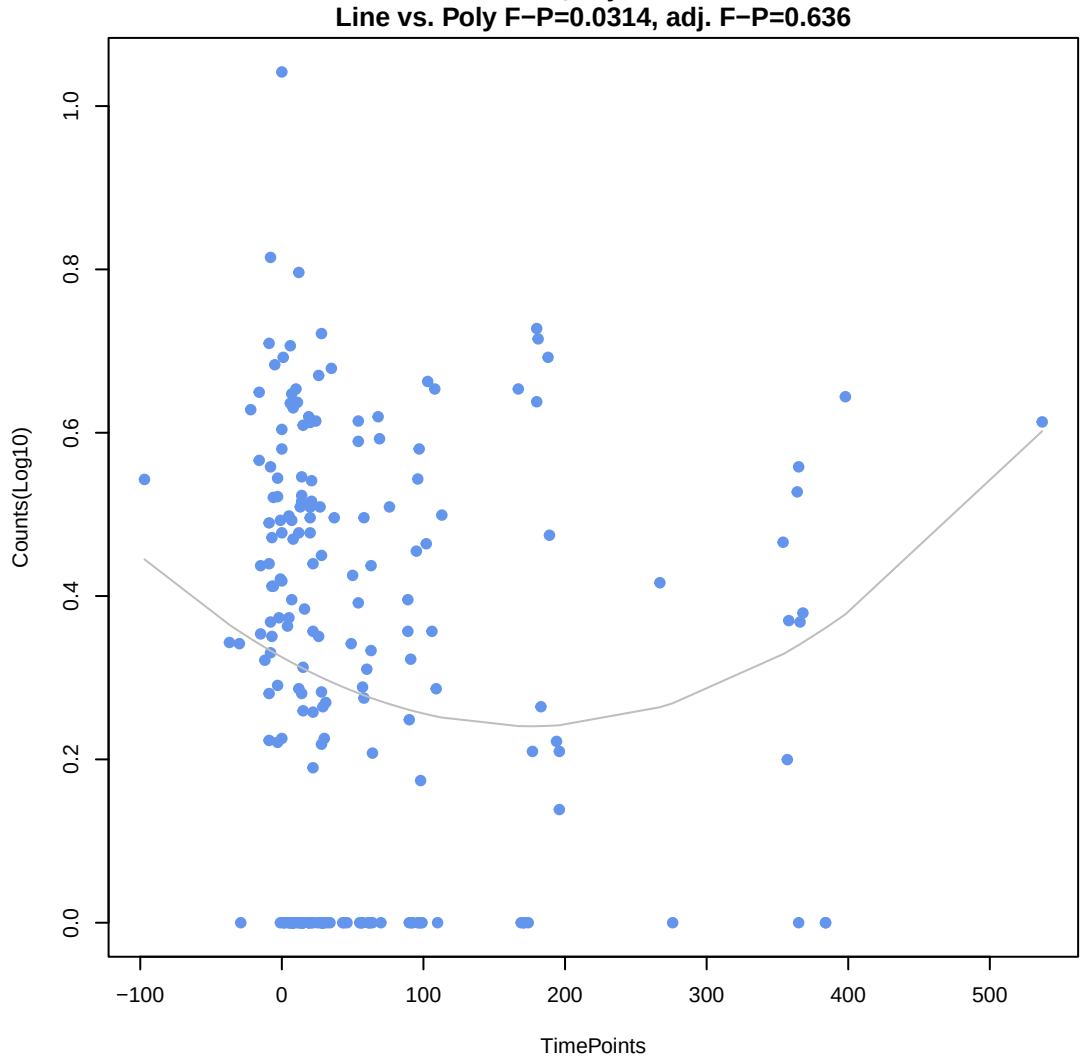
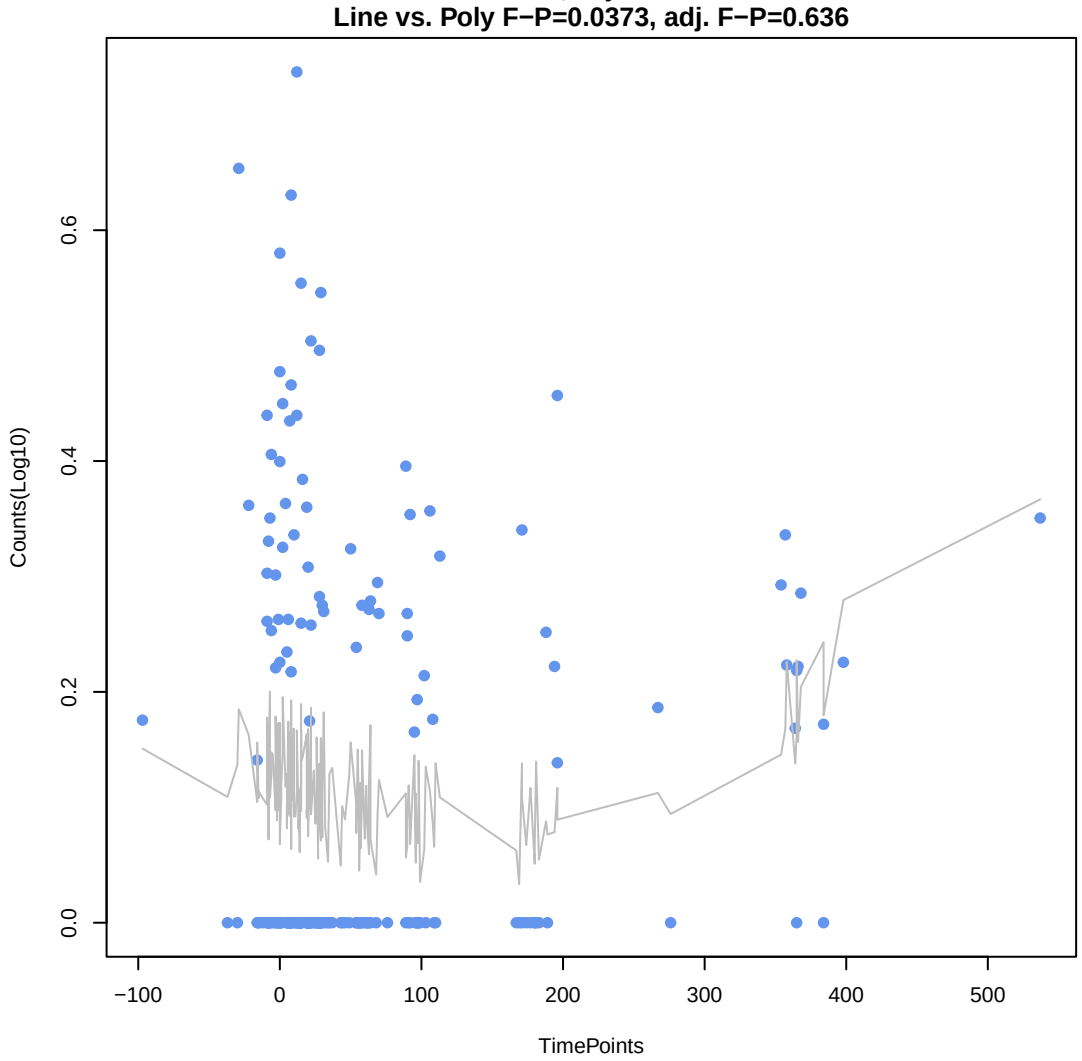
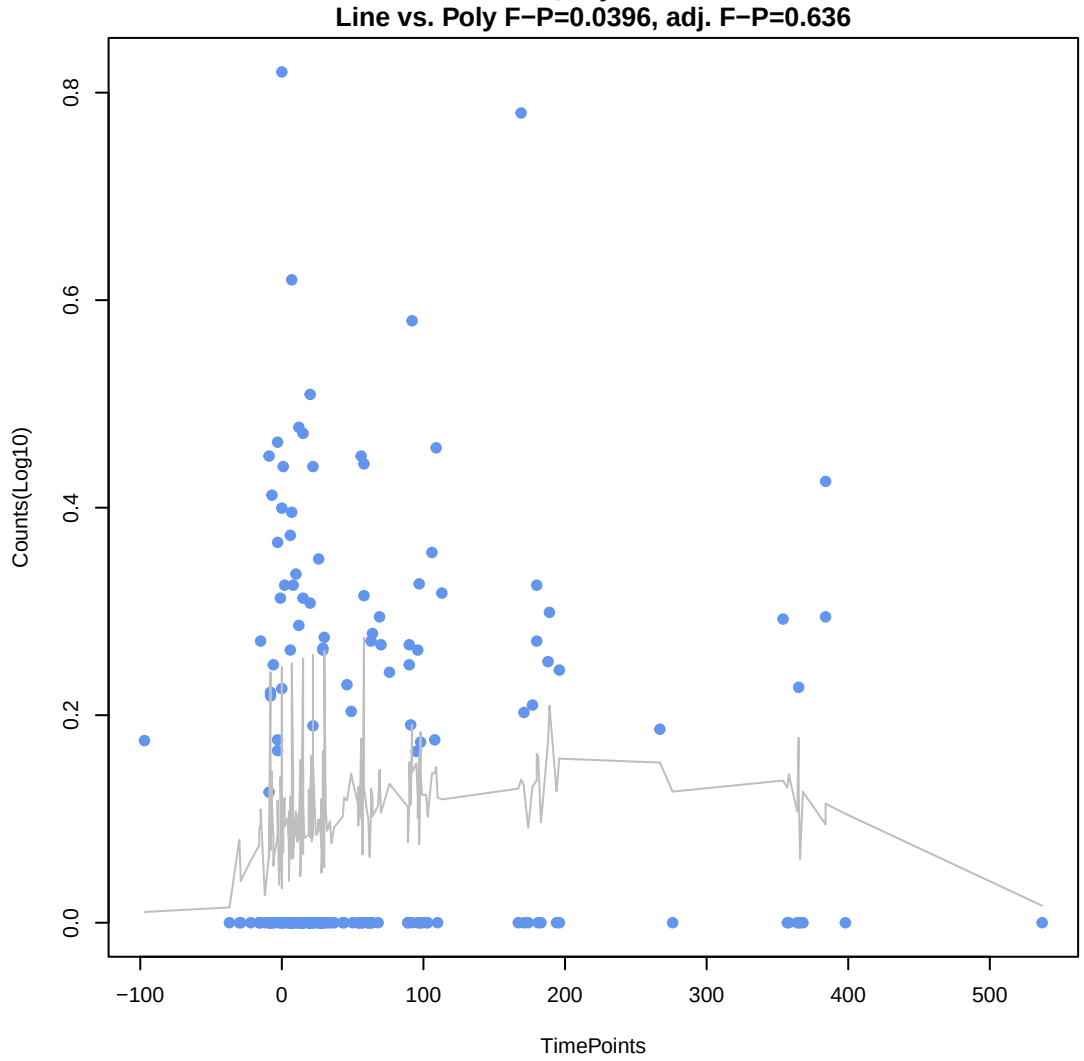

vanR gene in vanE cluster
ANOVA P=0.0549, adj. ANOVA−P=0.474
Line vs. Poly F−P=0.0124, adj. F−P=0.636
Counts(Log10)
TimePoints


chia coli AcrAB−TolC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline
ANOVA P=0.059, adj. ANOVA−P=0.474
Line vs. Poly F−P=0.0228, adj. F−P=0.636
Counts(Log10)
TimePoints

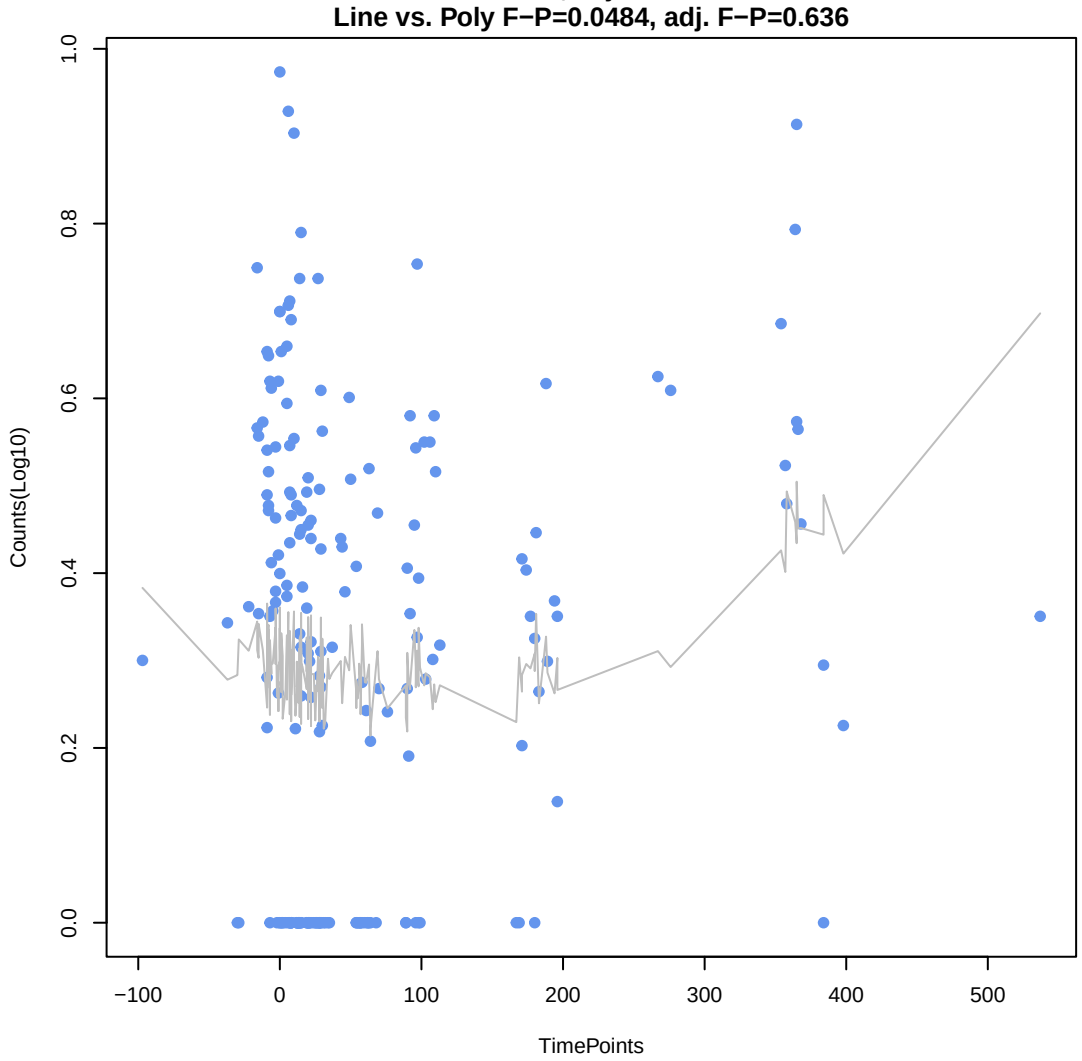

mdtA
ANOVA P=0.0638, adj. ANOVA−P=0.474
Line vs. Poly F−P=0.0309, adj. F−P=0.636
Counts(Log10)
TimePoints


BlaB−16
ANOVA P=0.0984, adj. ANOVA−P=0.543
Line vs. Poly F−P=0.0314, adj. F−P=0.636
Counts(Log10)
TimePoints

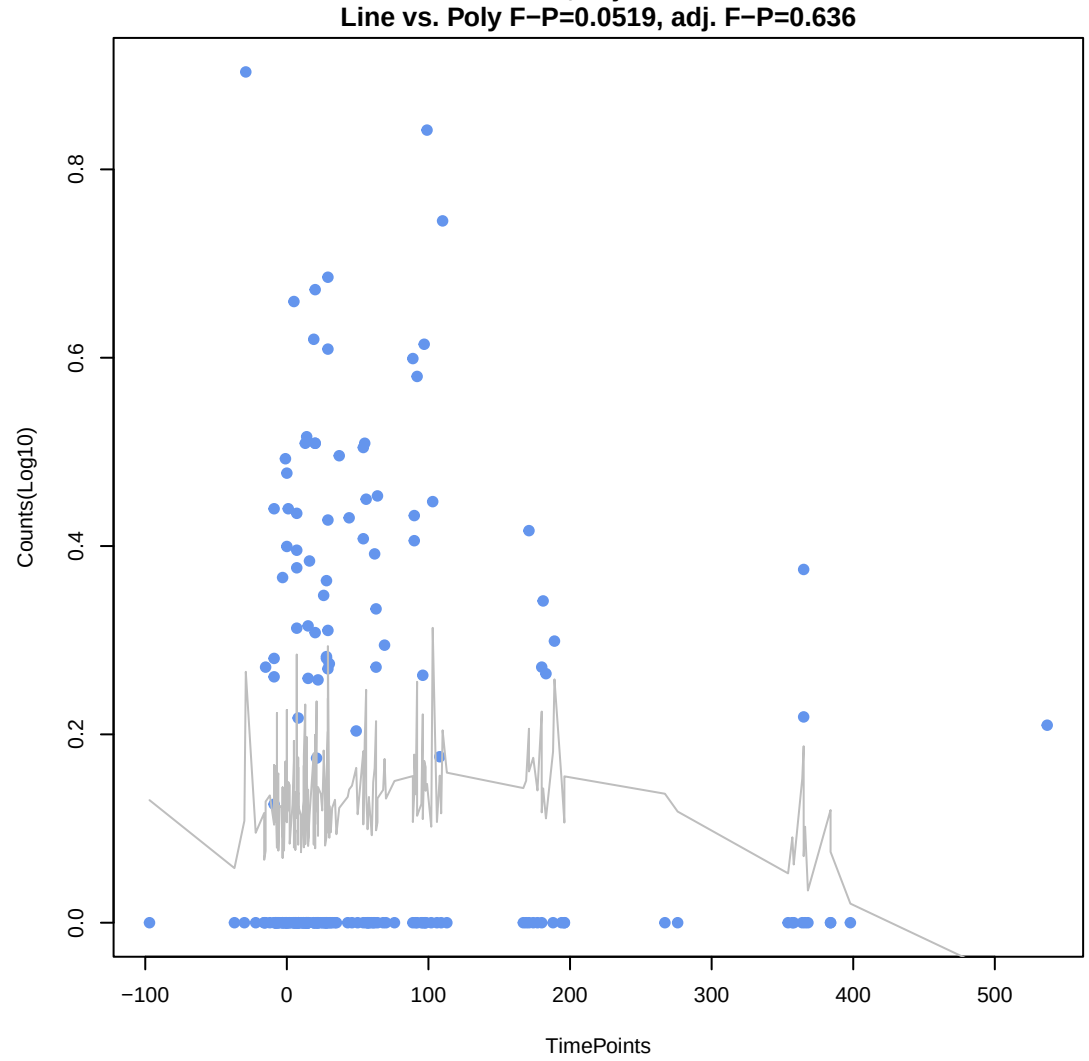

vanS gene in vanD cluster
ANOVA P=0.0595, adj. ANOVA−P=0.474
Line vs. Poly F−P=0.0373, adj. F−P=0.636
Counts(Log10)
TimePoints


farB
ANOVA P=0.177, adj. ANOVA−P=0.654
Line vs. Poly F−P=0.0396, adj. F−P=0.636
Counts(Log10)
TimePoints

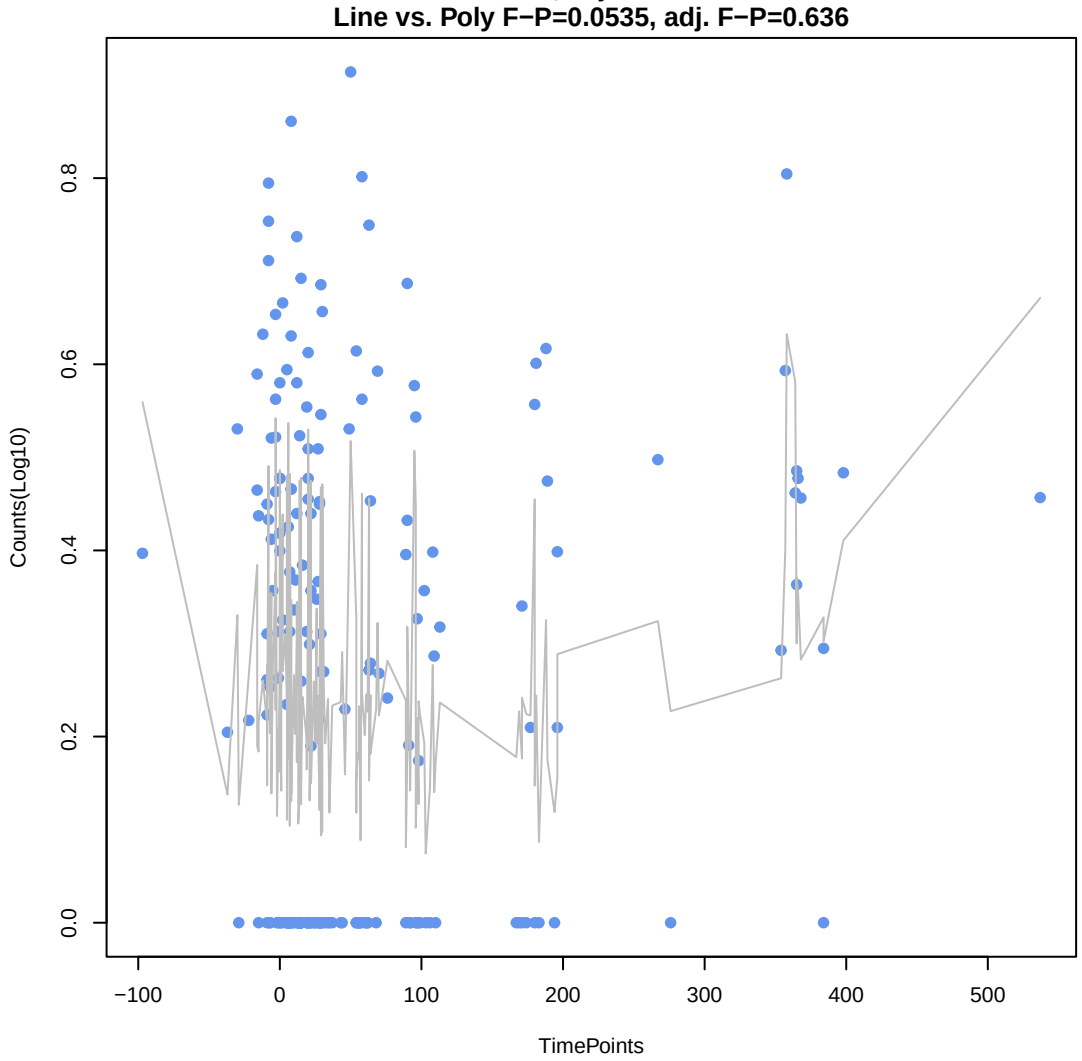
BlaB−38
ANOVA P=0.0274, adj. ANOVA−P=0.367
Line vs. Poly F−P=0.0484, adj. F−P=0.636



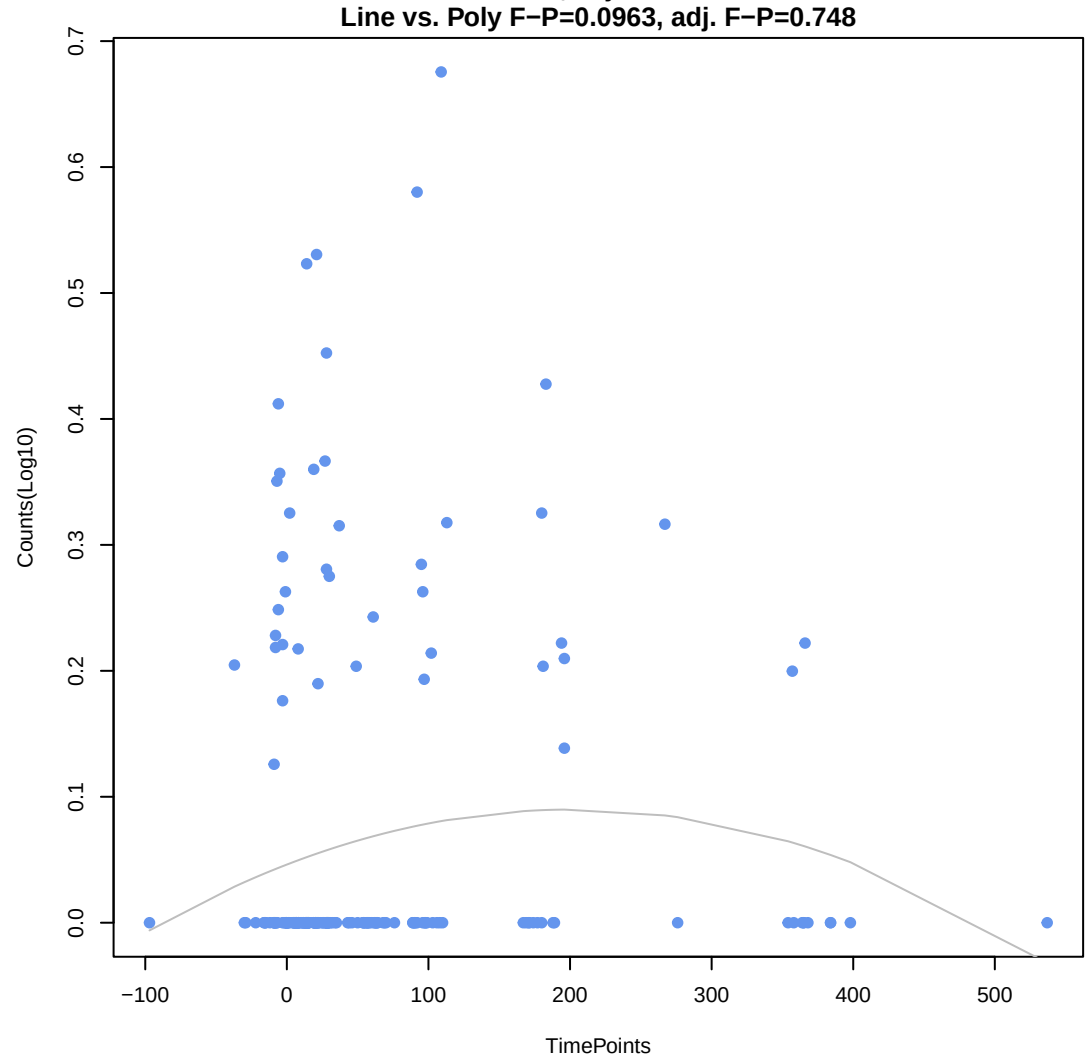
tetB(60)
ANOVA P=0.268, adj. ANOVA−P=0.71
Line vs. Poly F−P=0.0519, adj. F−P=0.636



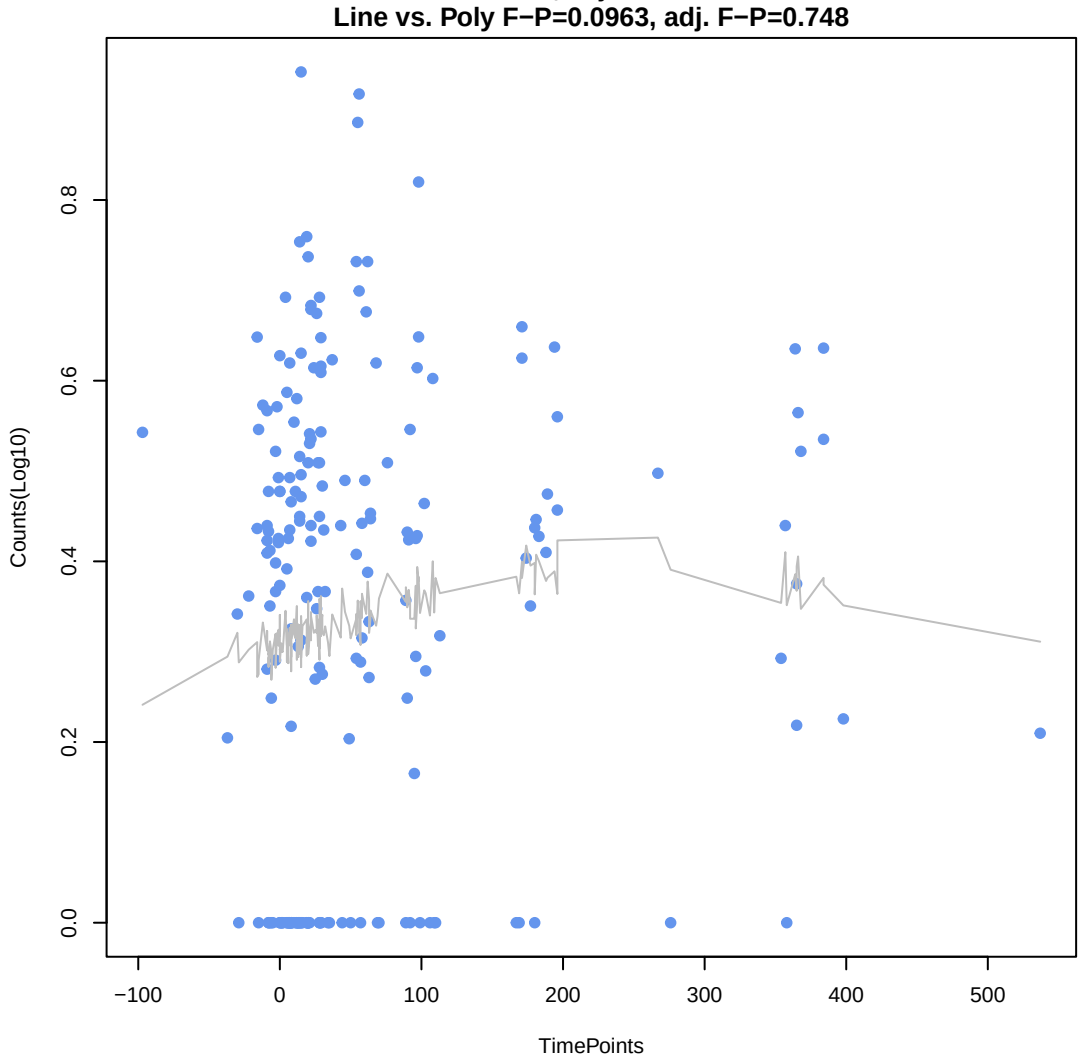
mefH
ANOVA P=0.046, adj. ANOVA−P=0.474
Line vs. Poly F−P=0.0535, adj. F−P=0.636



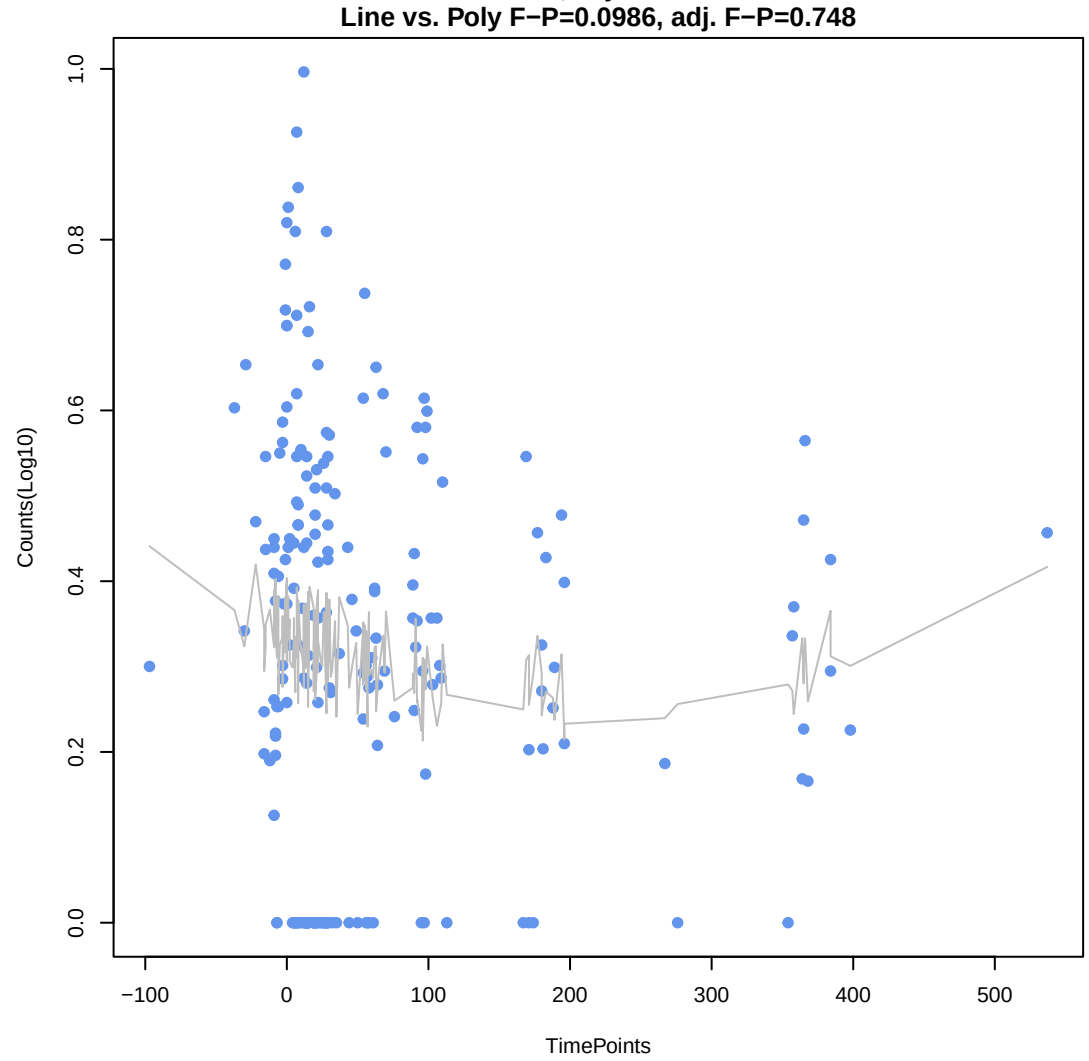
adeA
ANOVA P=0.202, adj. ANOVA−P=0.665
Line vs. Poly F−P=0.0963, adj. F−P=0.748

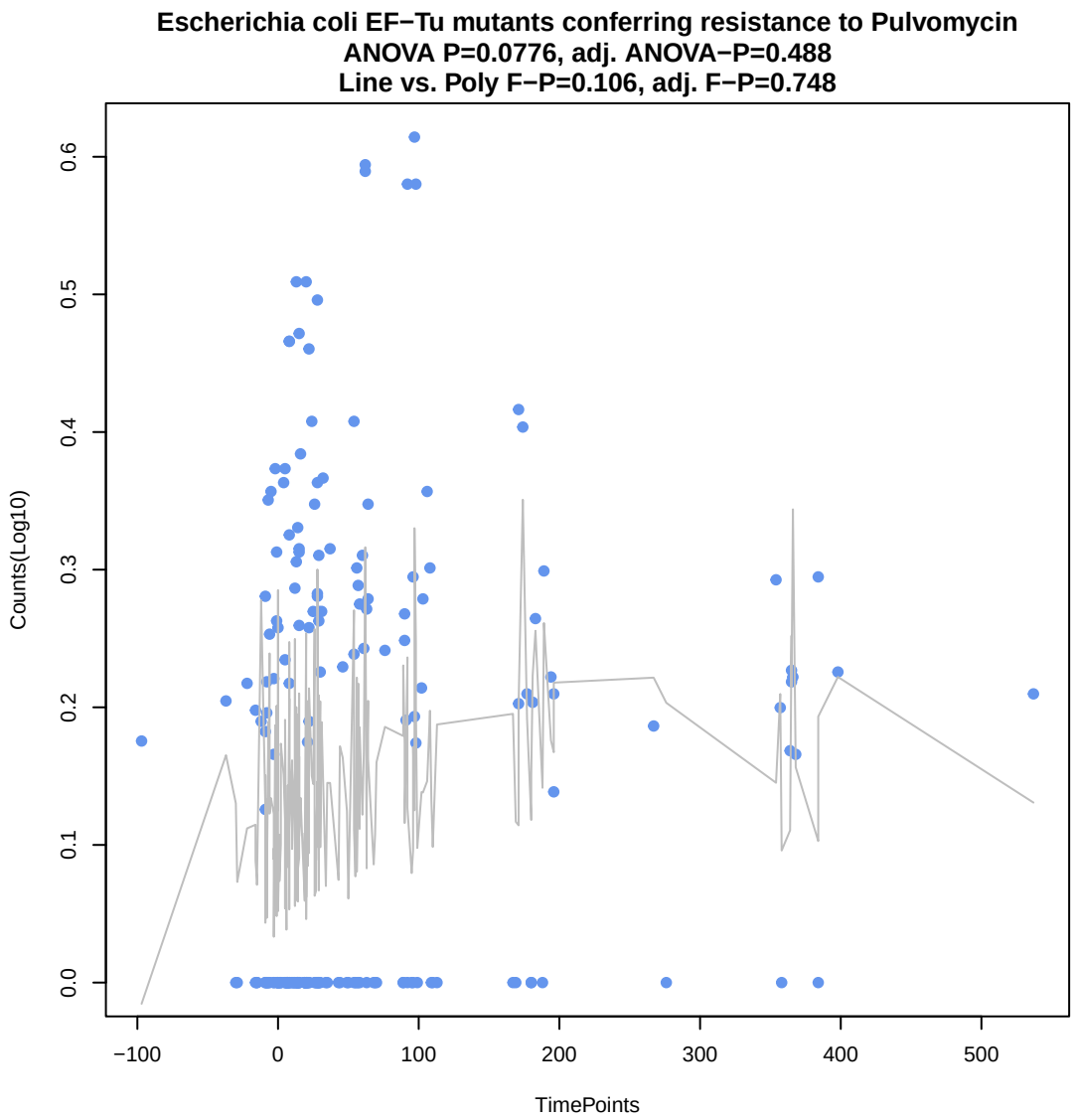


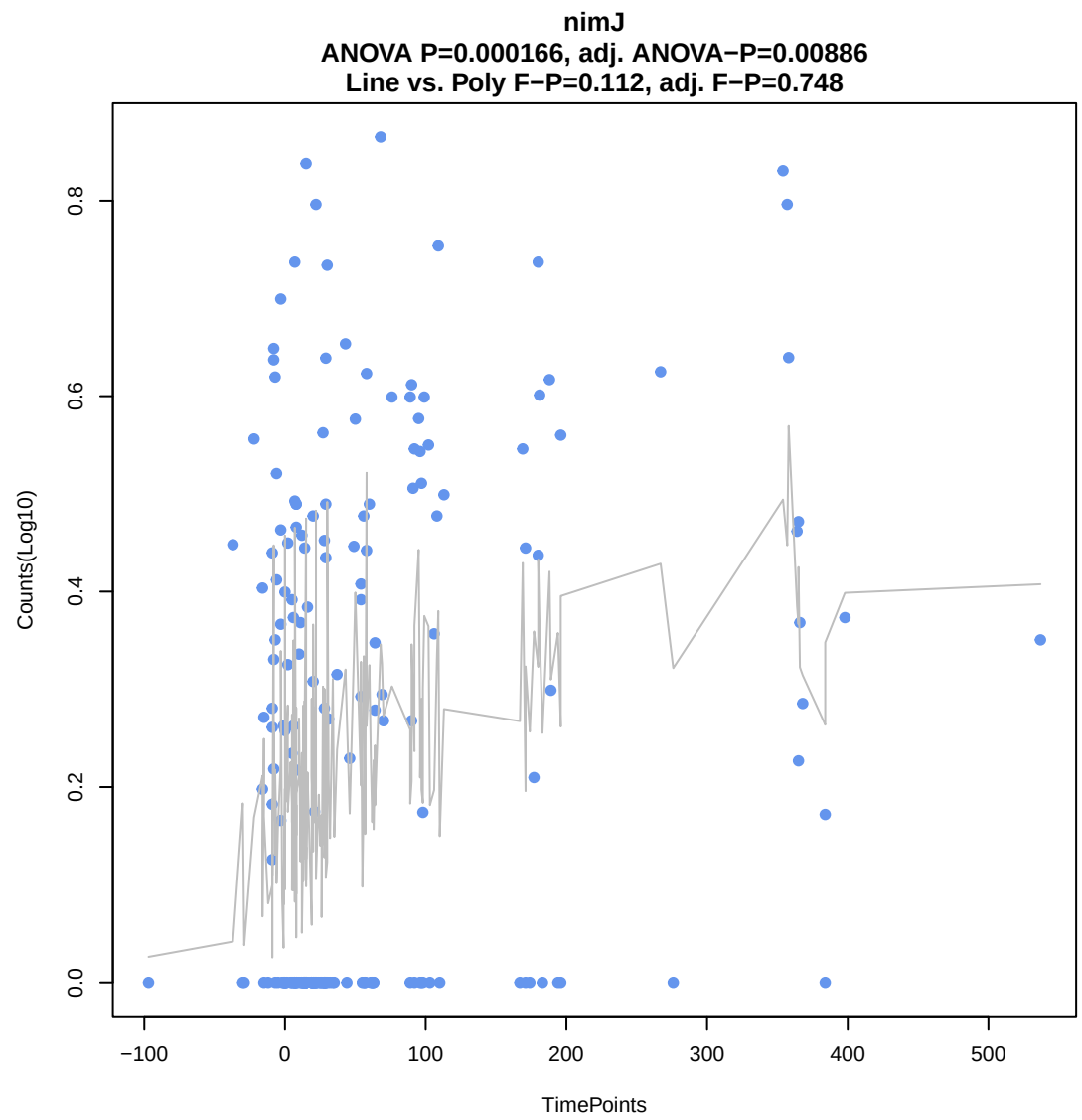
acrD
ANOVA P=0.289, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.0963, adj. F−P=0.748

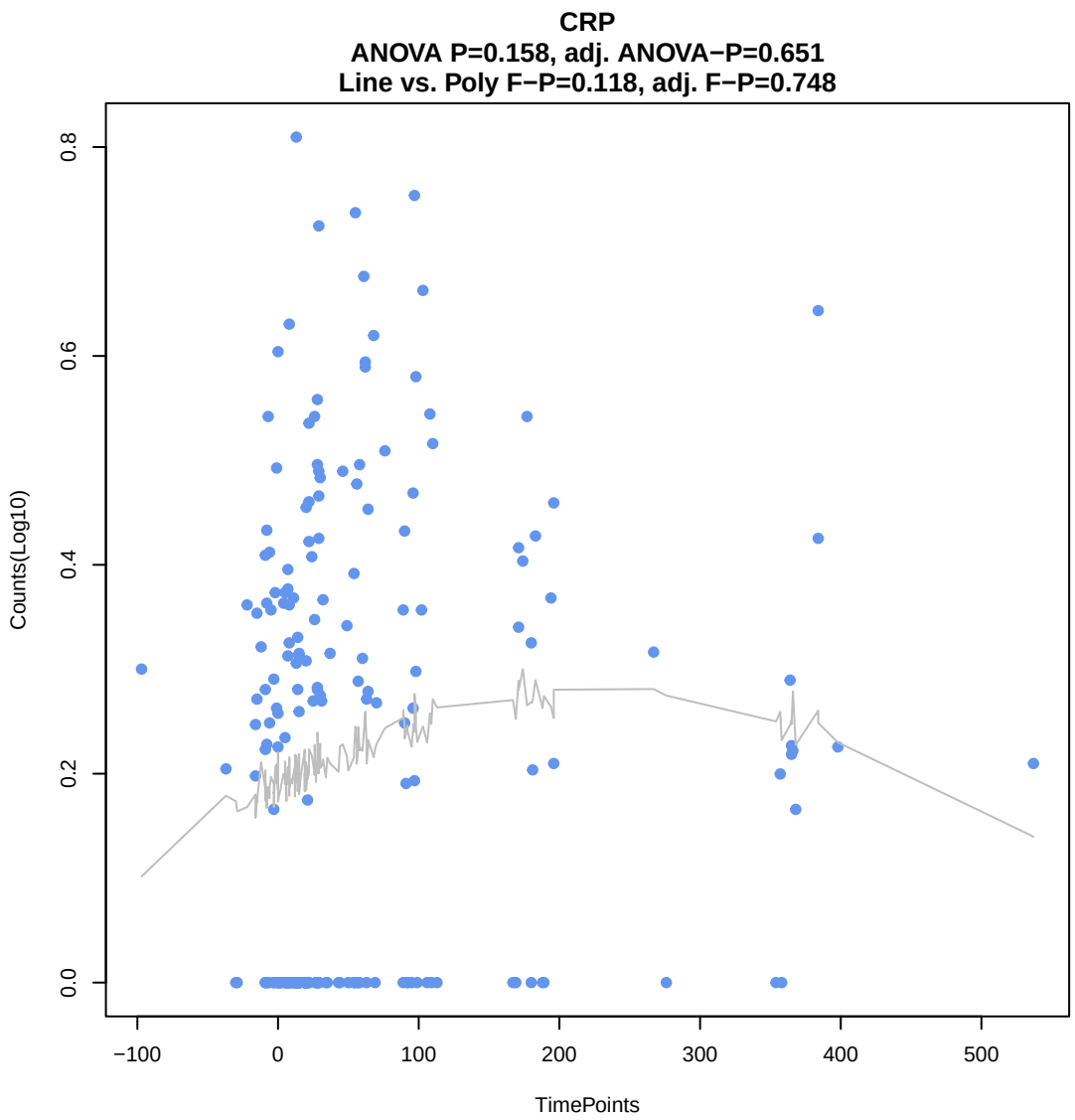


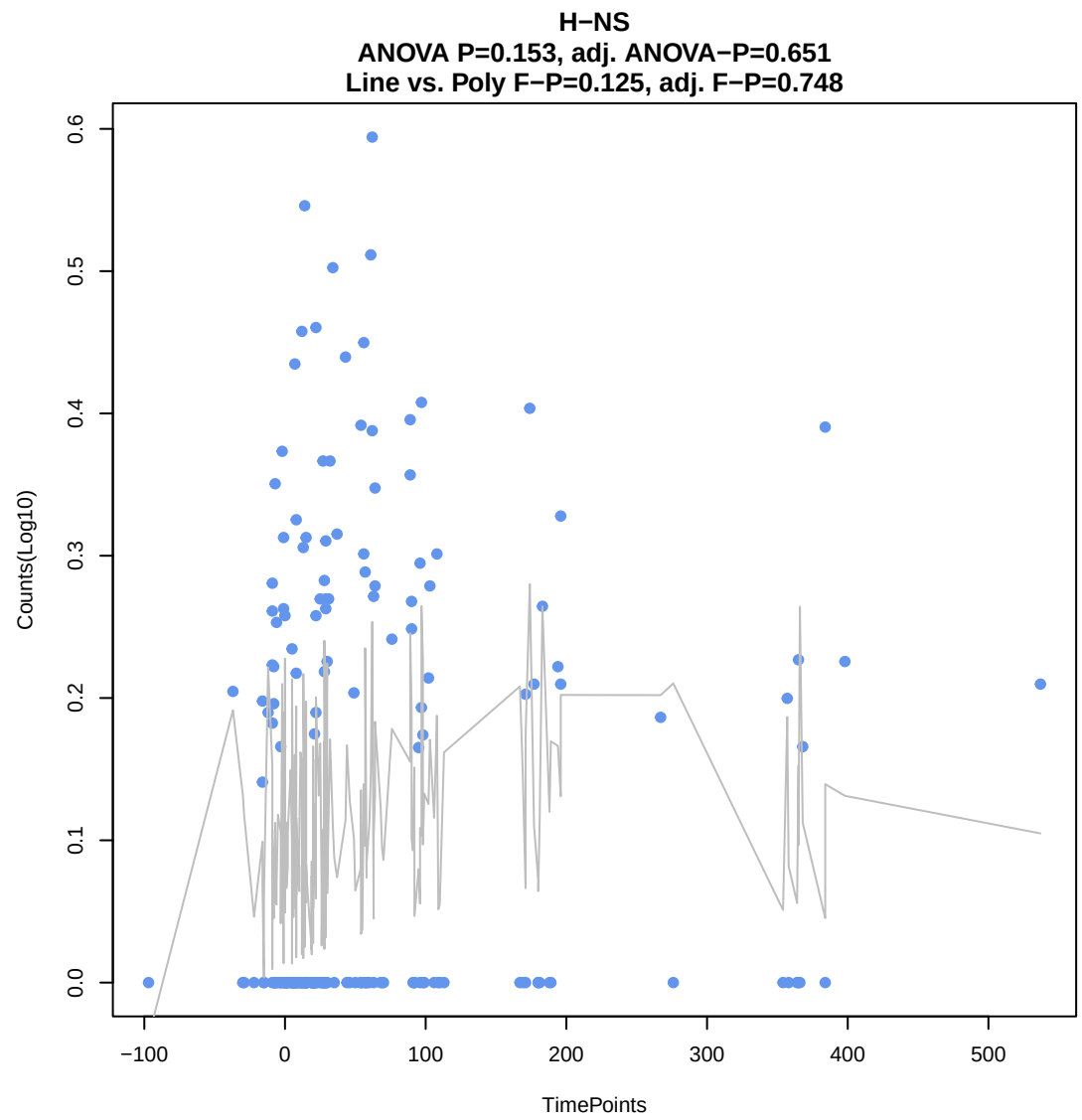
tetB(46)
ANOVA P=0.309, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.0986, adj. F−P=0.748

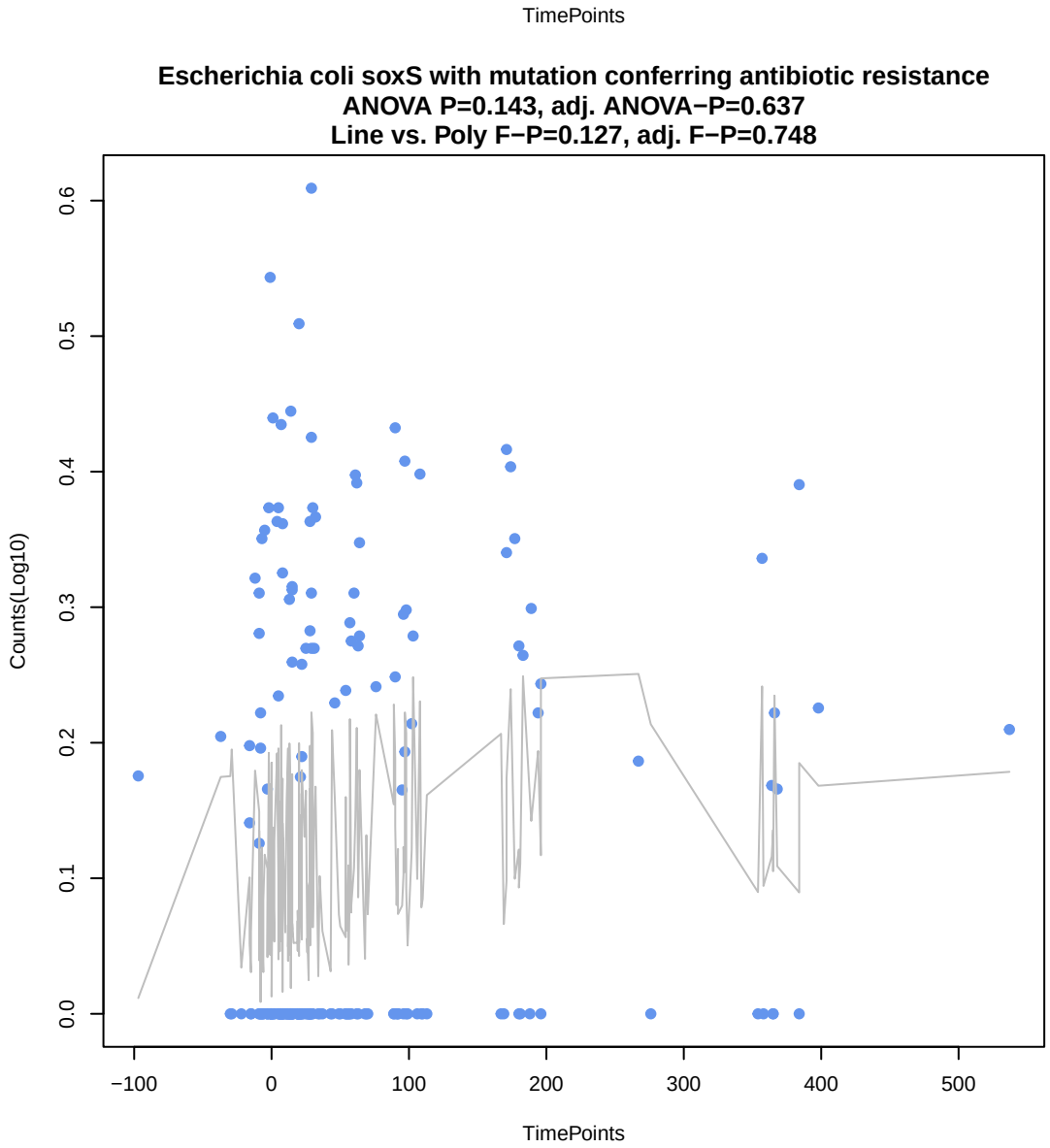


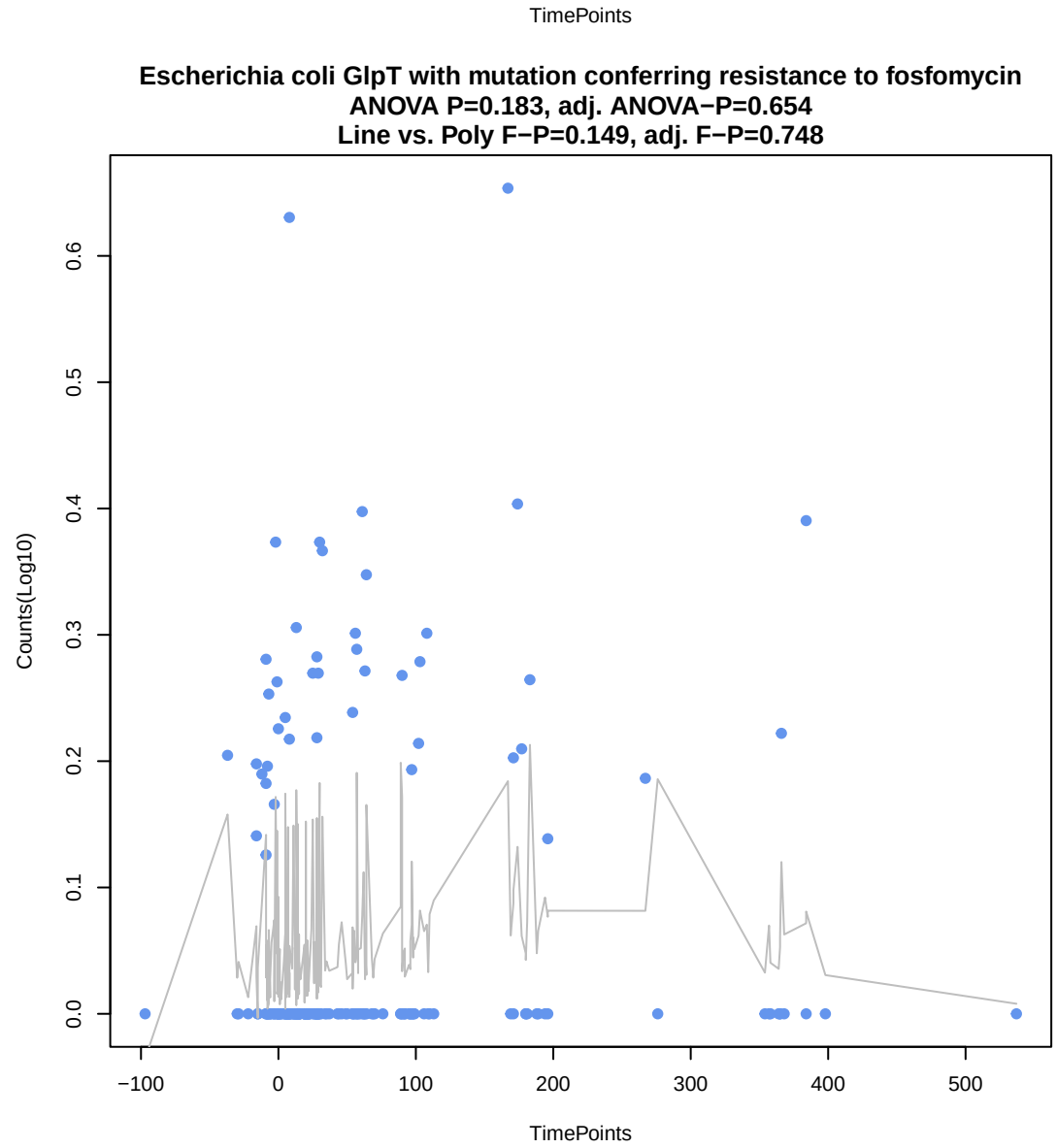

Escherichia coli EF−Tu mutants conferring resistance to Pulvomycin
ANOVA P=0.0776, adj. ANOVA−P=0.488
Line vs. Poly F−P=0.106, adj. F−P=0.748
Counts(Log10)
TimePoints

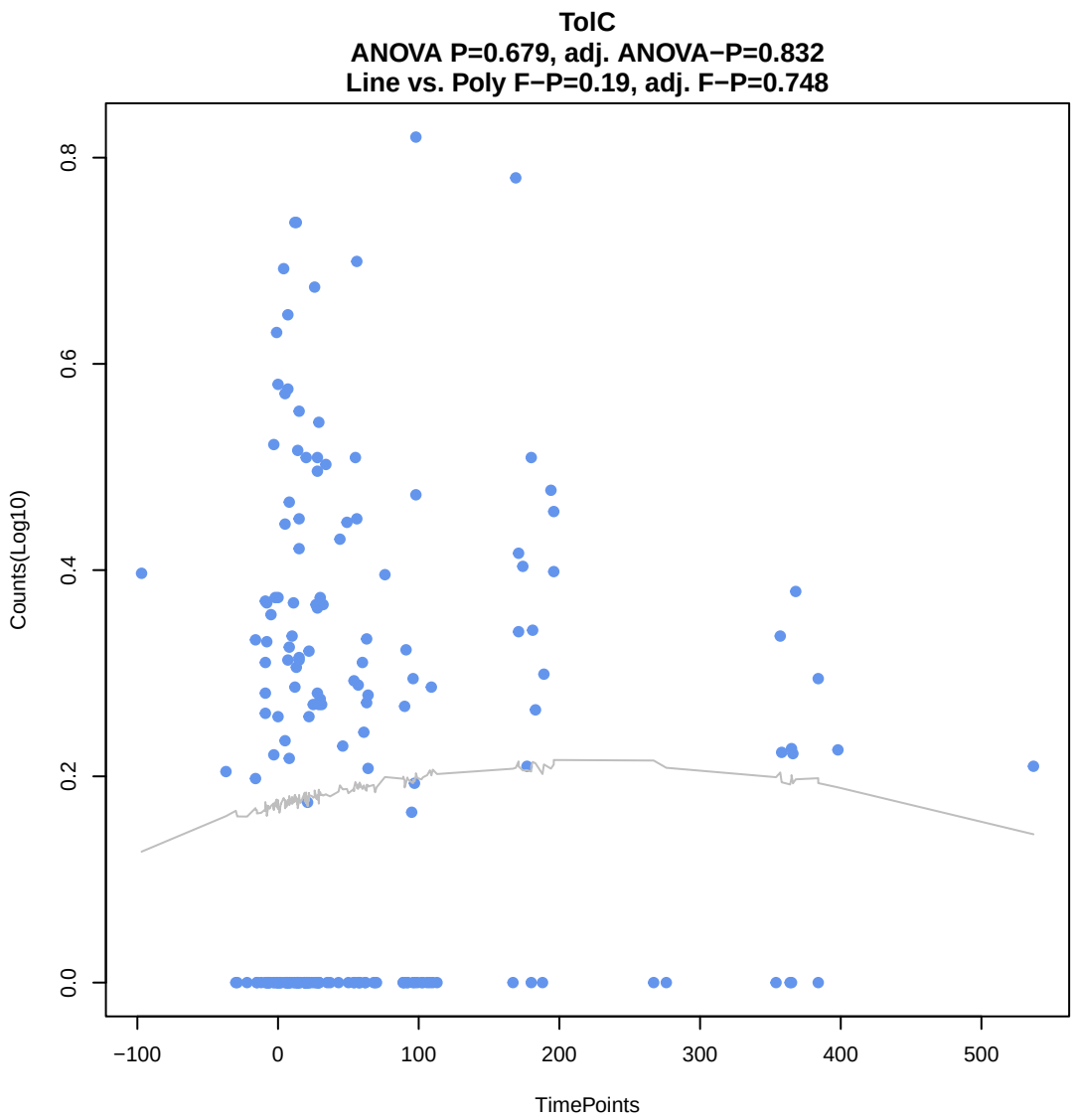

nimJ
ANOVA P=0.000166, adj. ANOVA−P=0.00886
Line vs. Poly F−P=0.112, adj. F−P=0.748
Counts(Log10)
TimePoints

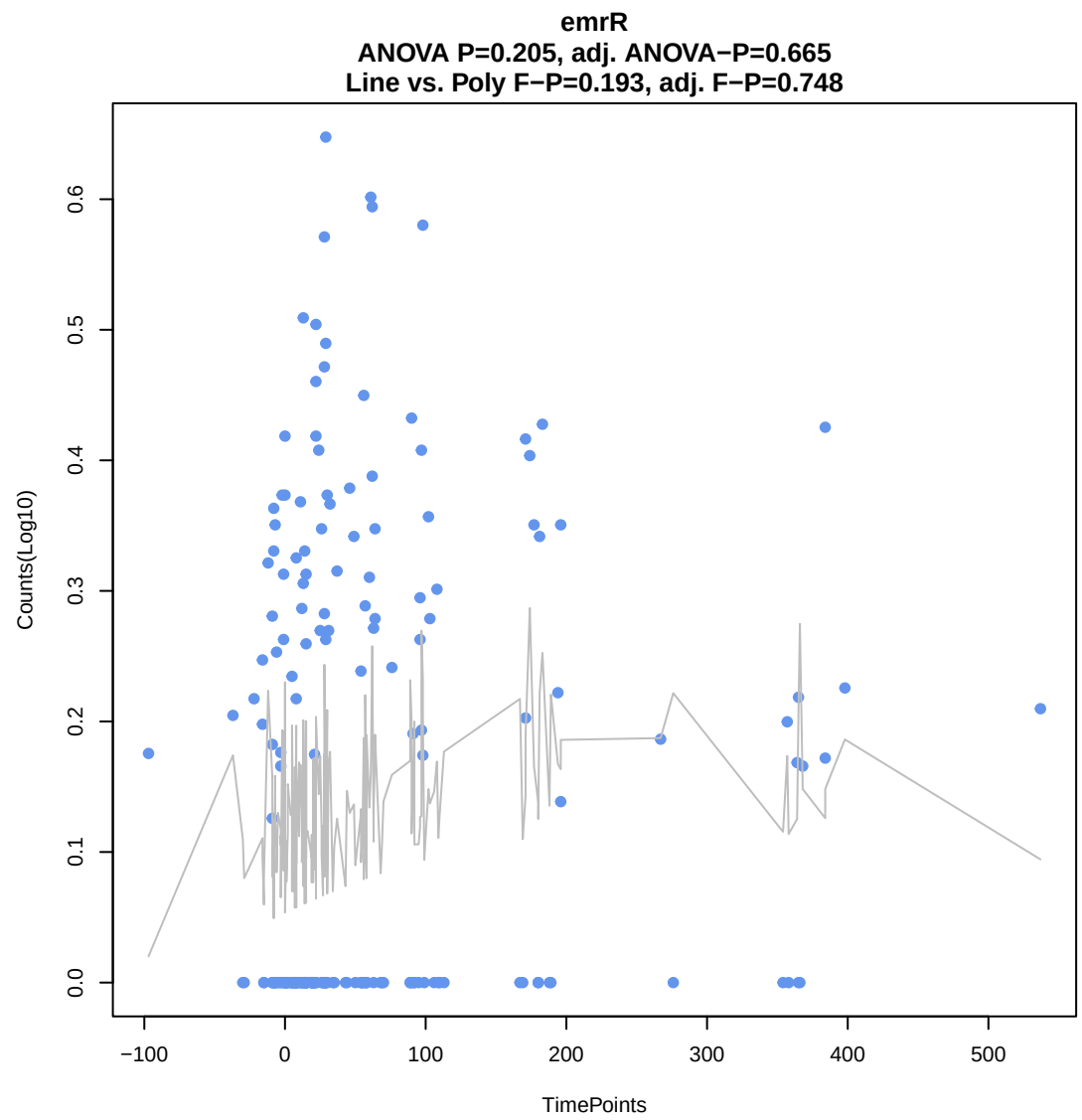

CRP
ANOVA P=0.158, adj. ANOVA−P=0.651
Line vs. Poly F−P=0.118, adj. F−P=0.748
Counts(Log10)
TimePoints

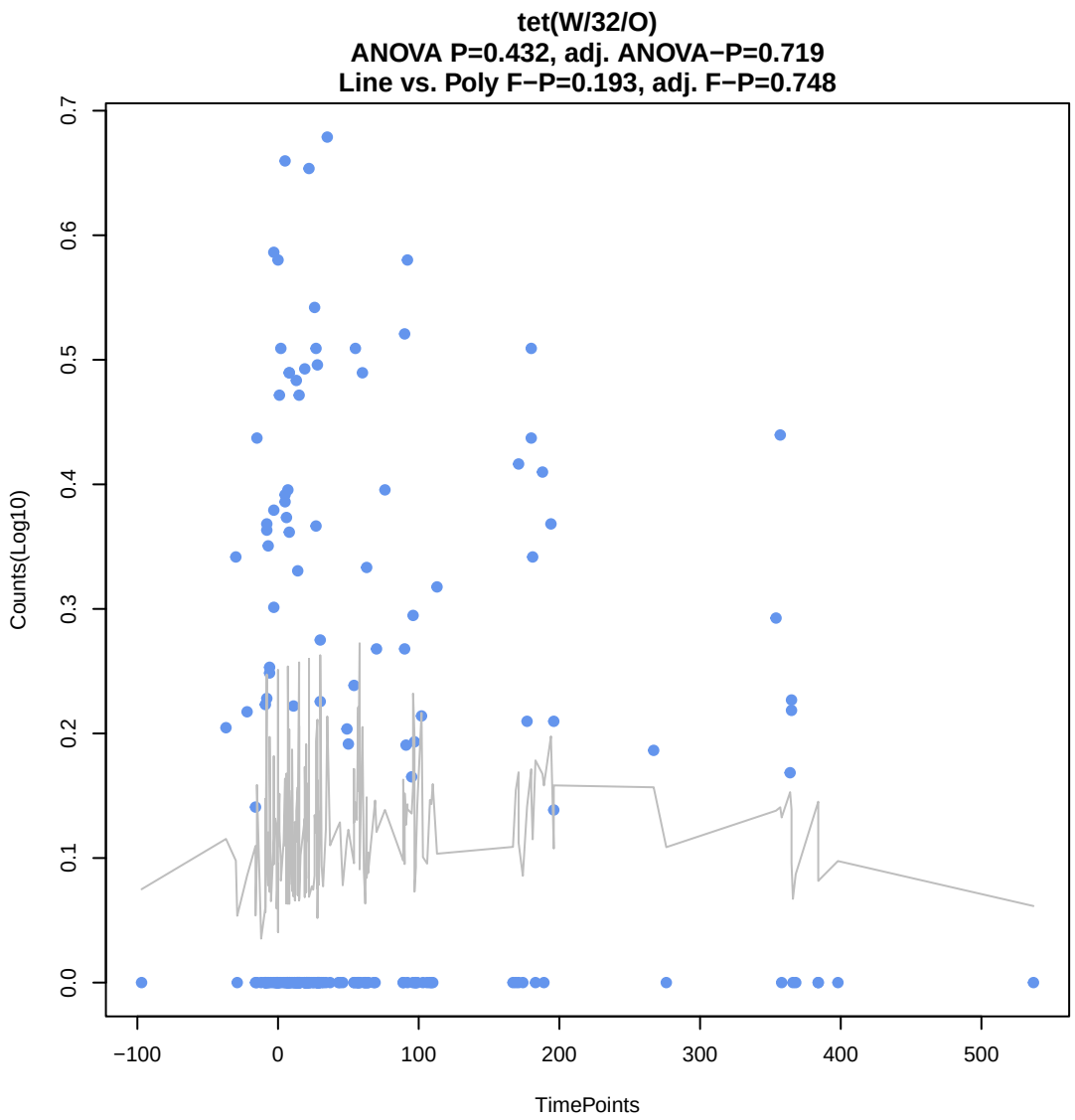

H−NS
ANOVA P=0.153, adj. ANOVA−P=0.651
Line vs. Poly F−P=0.125, adj. F−P=0.748
Counts(Log10)
TimePoints

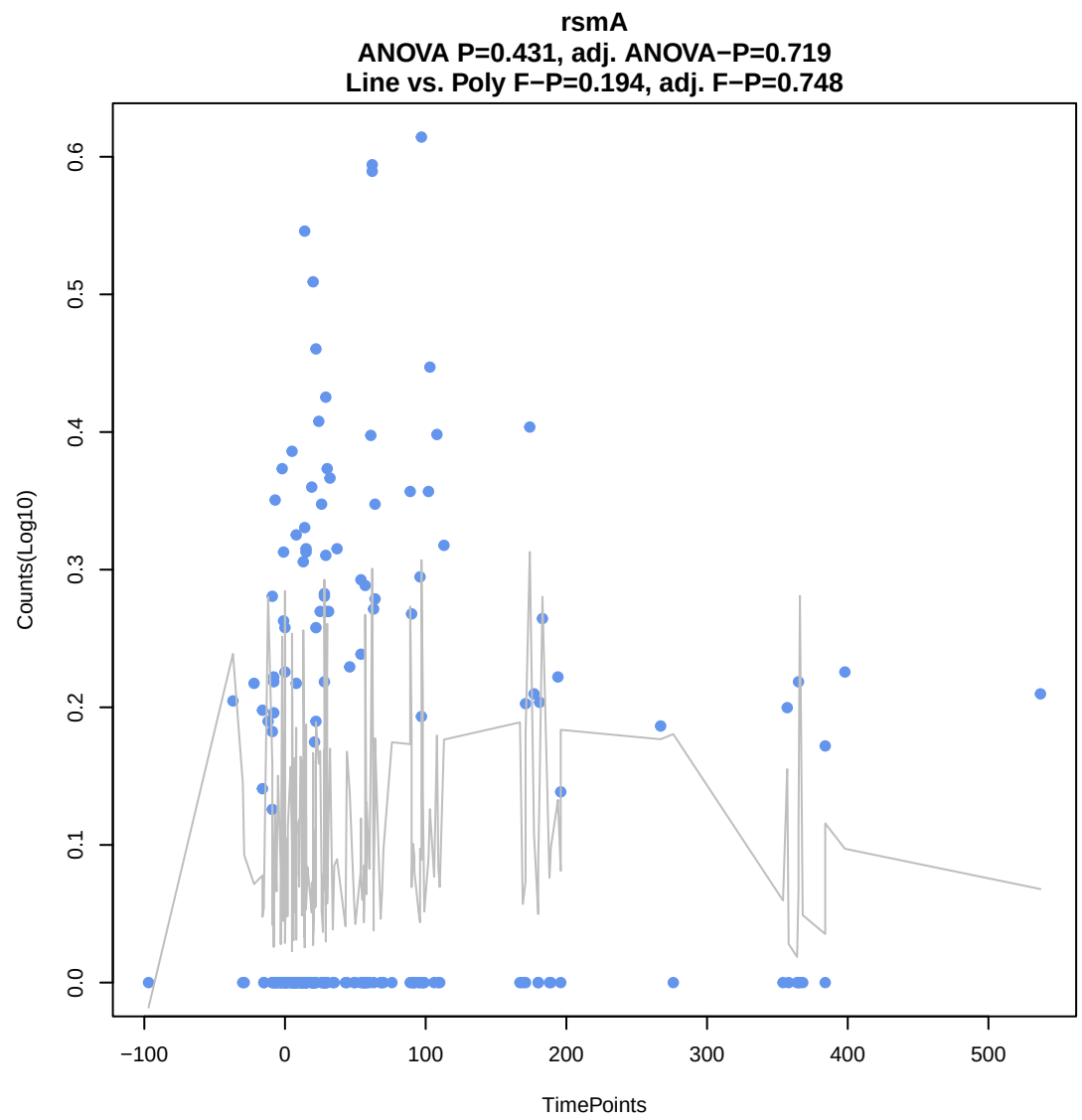

Escherichia coli soxS with mutation conferring antibiotic resistance
ANOVA P=0.143, adj. ANOVA−P=0.637
Line vs. Poly F−P=0.127, adj. F−P=0.748
Counts(Log10)
TimePoints

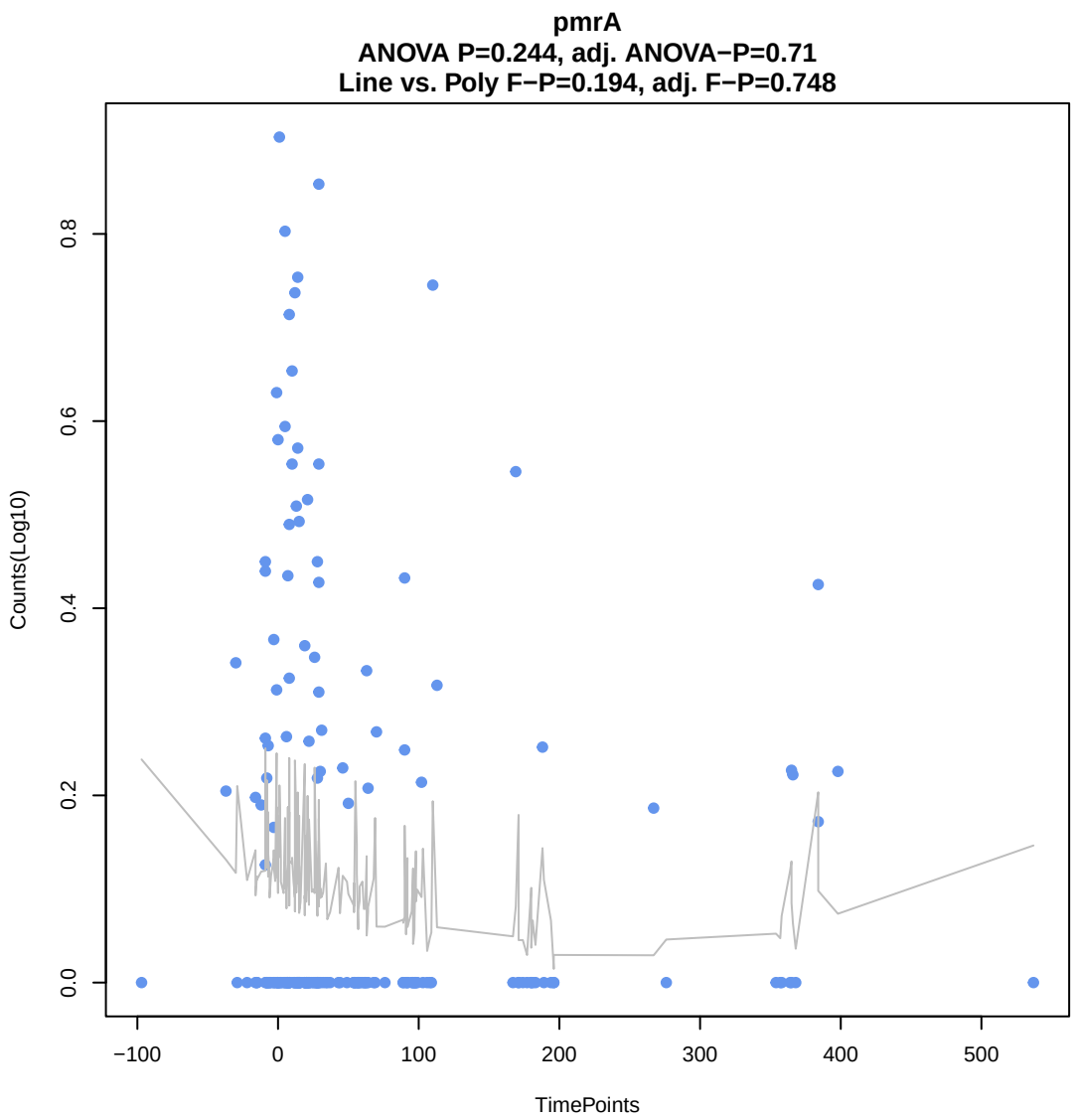

Escherichia coli GlpT with mutation conferring resistance to fosfomycin
ANOVA P=0.183, adj. ANOVA−P=0.654
Line vs. Poly F−P=0.149, adj. F−P=0.748
Counts(Log10)
TimePoints

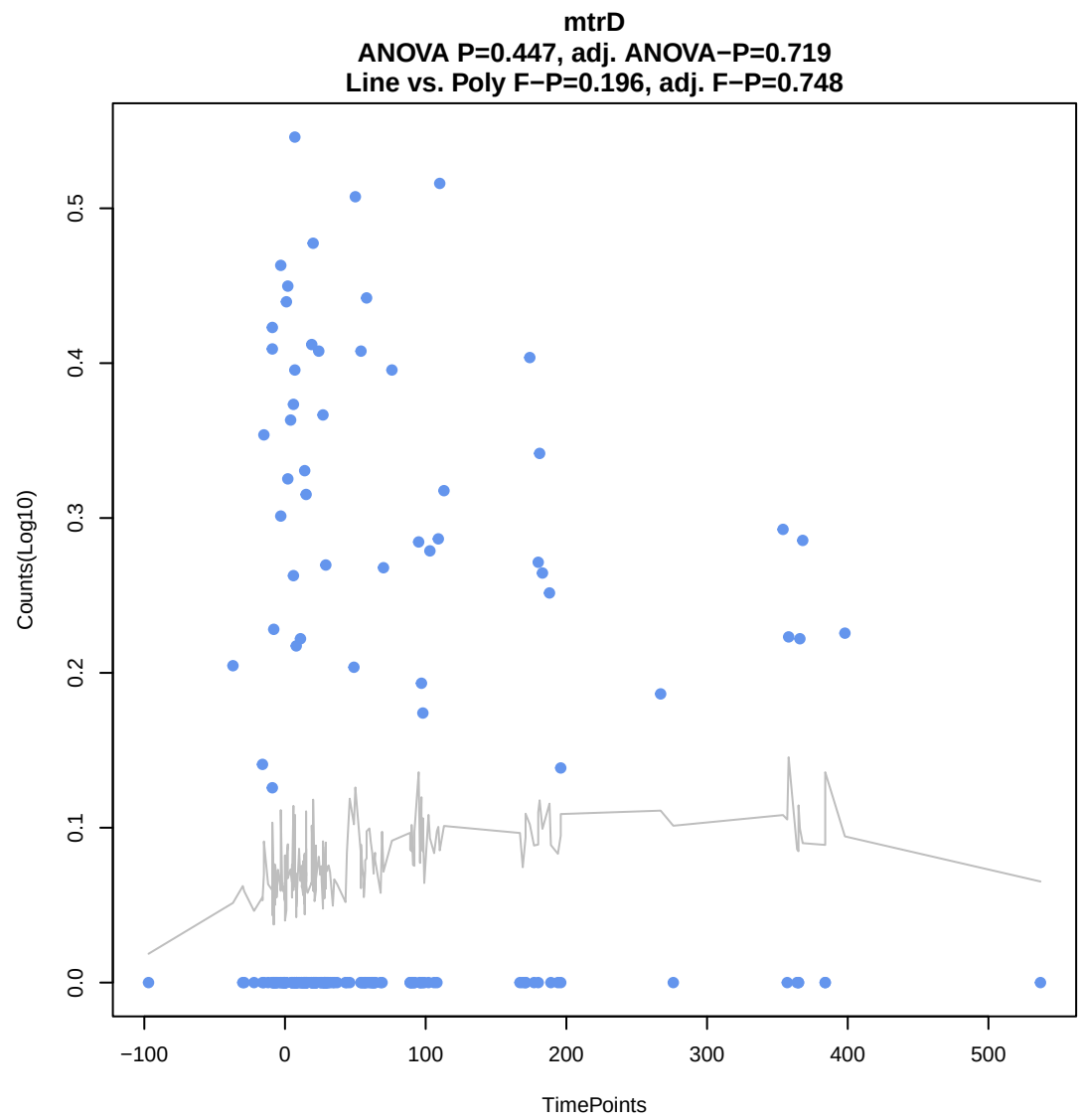

ToIC
ANOVA P=0.679, adj. ANOVA−P=0.832
Line vs. Poly F−P=0.19, adj. F−P=0.748
Counts(Log10)
TimePoints


emrR
ANOVA P=0.205, adj. ANOVA−P=0.665
Line vs. Poly F−P=0.193, adj. F−P=0.748
Counts(Log10)
TimePoints

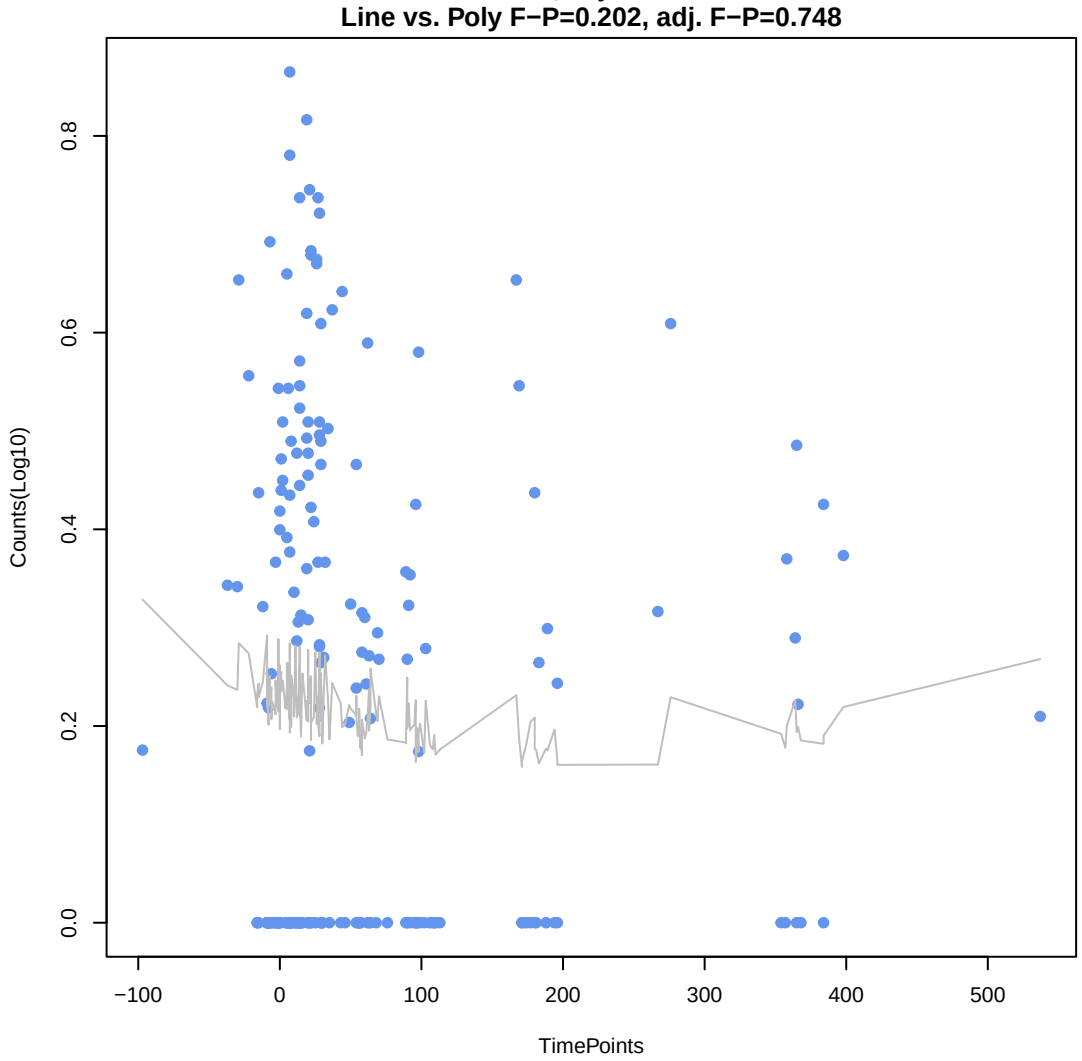

tet(W/32/O)
ANOVA P=0.432, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.193, adj. F−P=0.748
Counts(Log10)
TimePoints


rsmA
ANOVA P=0.431, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.194, adj. F−P=0.748
Counts(Log10)
TimePoints

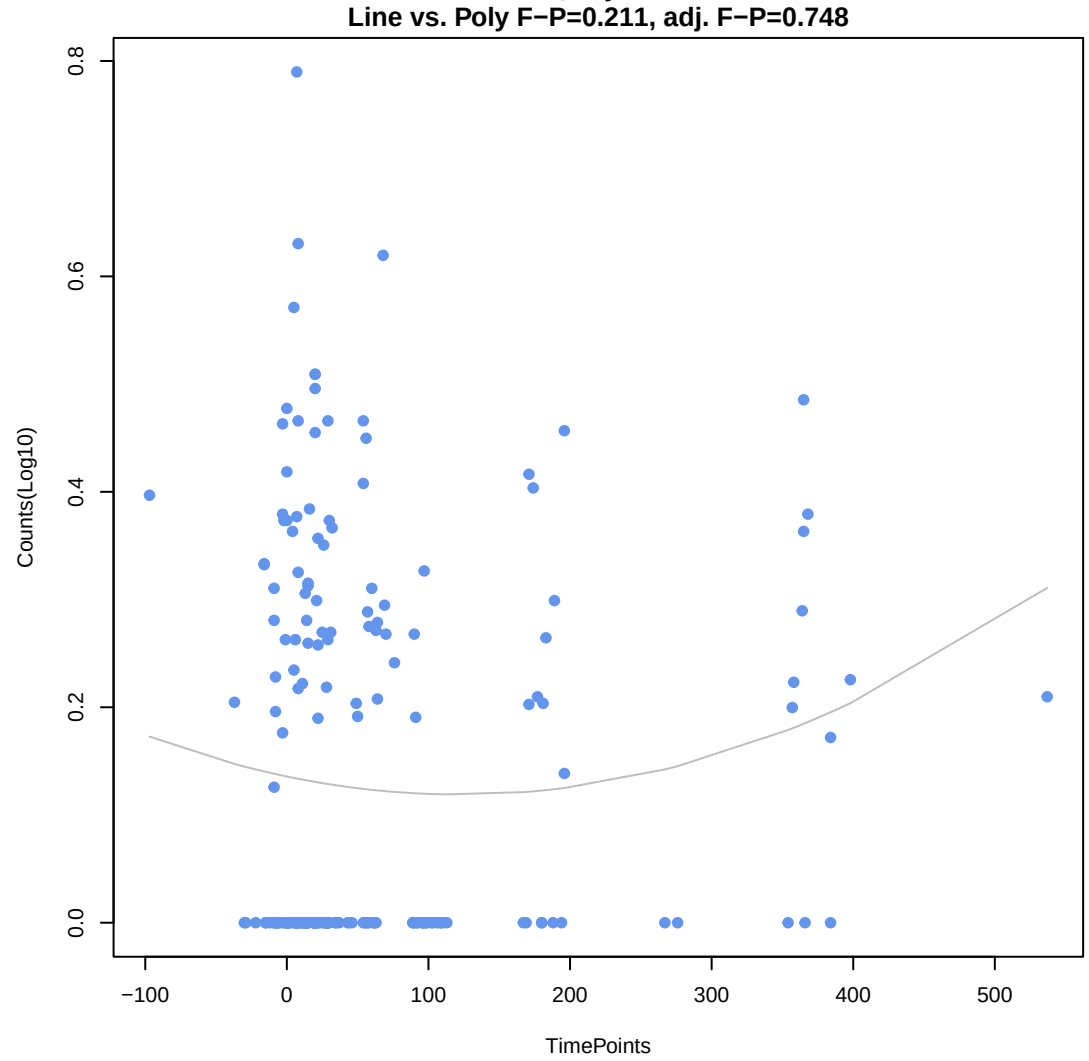

pmrA
ANOVA P=0.244, adj. ANOVA−P=0.71
Line vs. Poly F−P=0.194, adj. F−P=0.748
Counts(Log10)
TimePoints


mtrD
ANOVA P=0.447, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.196, adj. F−P=0.748
Counts(Log10)
TimePoints

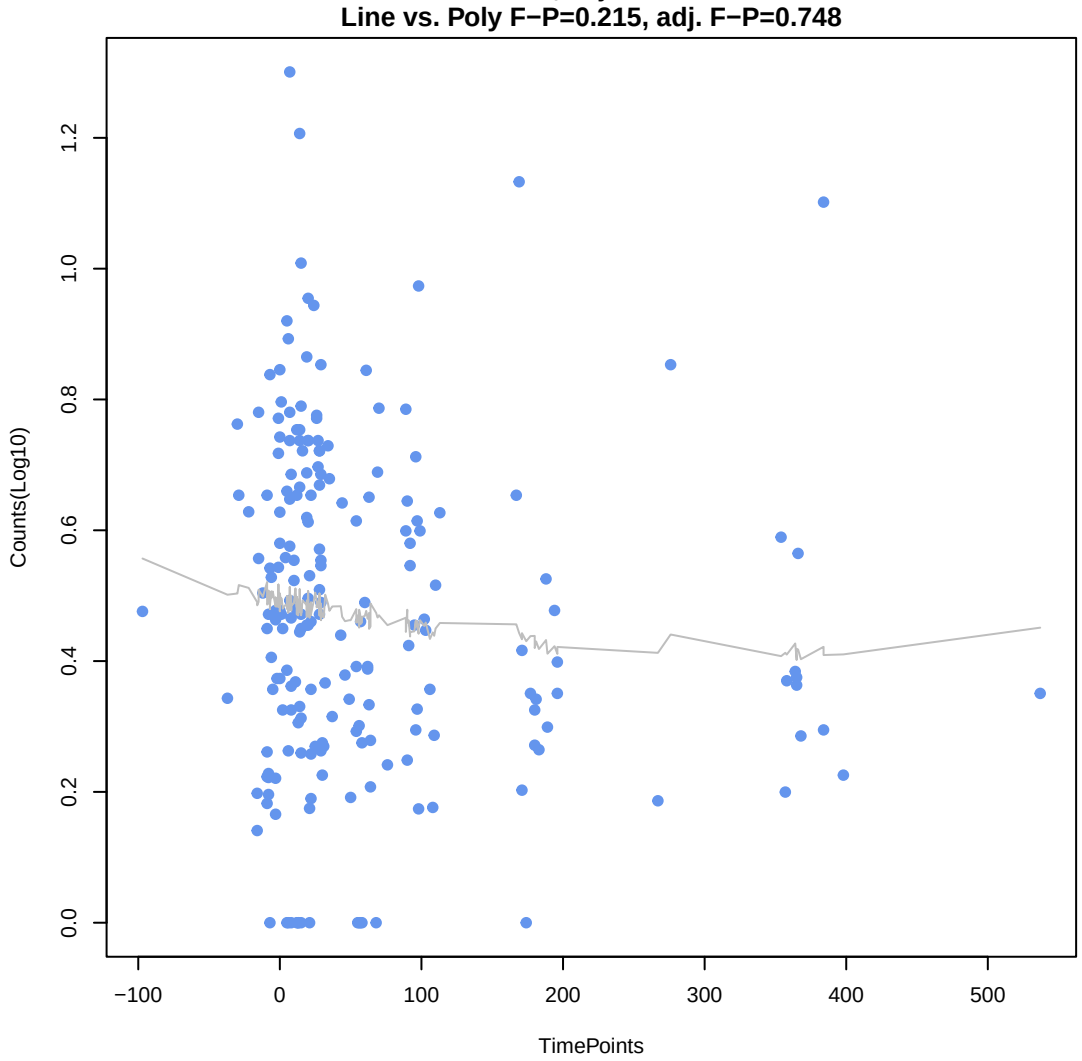
vanS gene in vanA cluster
ANOVA P=0.483, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.202, adj. F−P=0.748



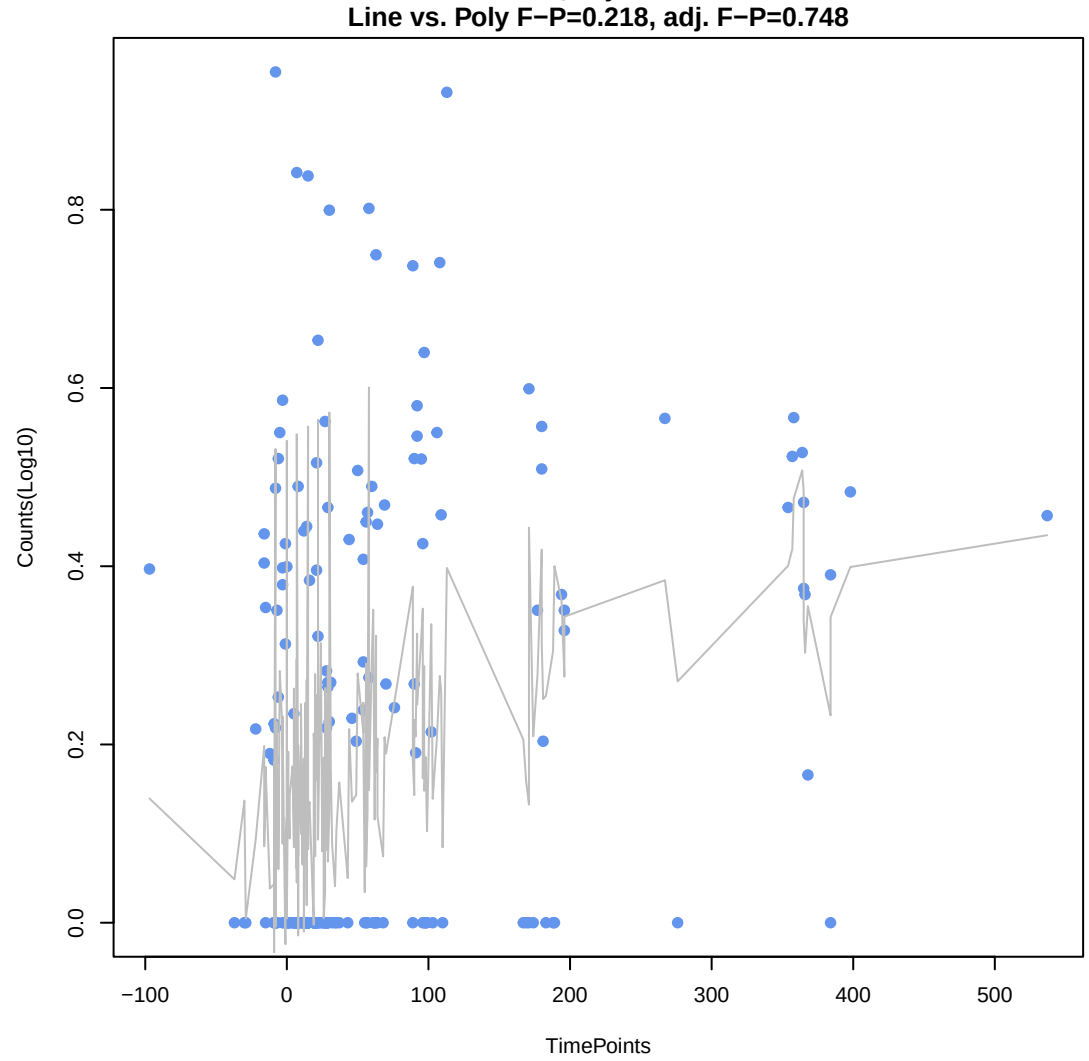
mdtN
ANOVA P=0.304, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.211, adj. F−P=0.748



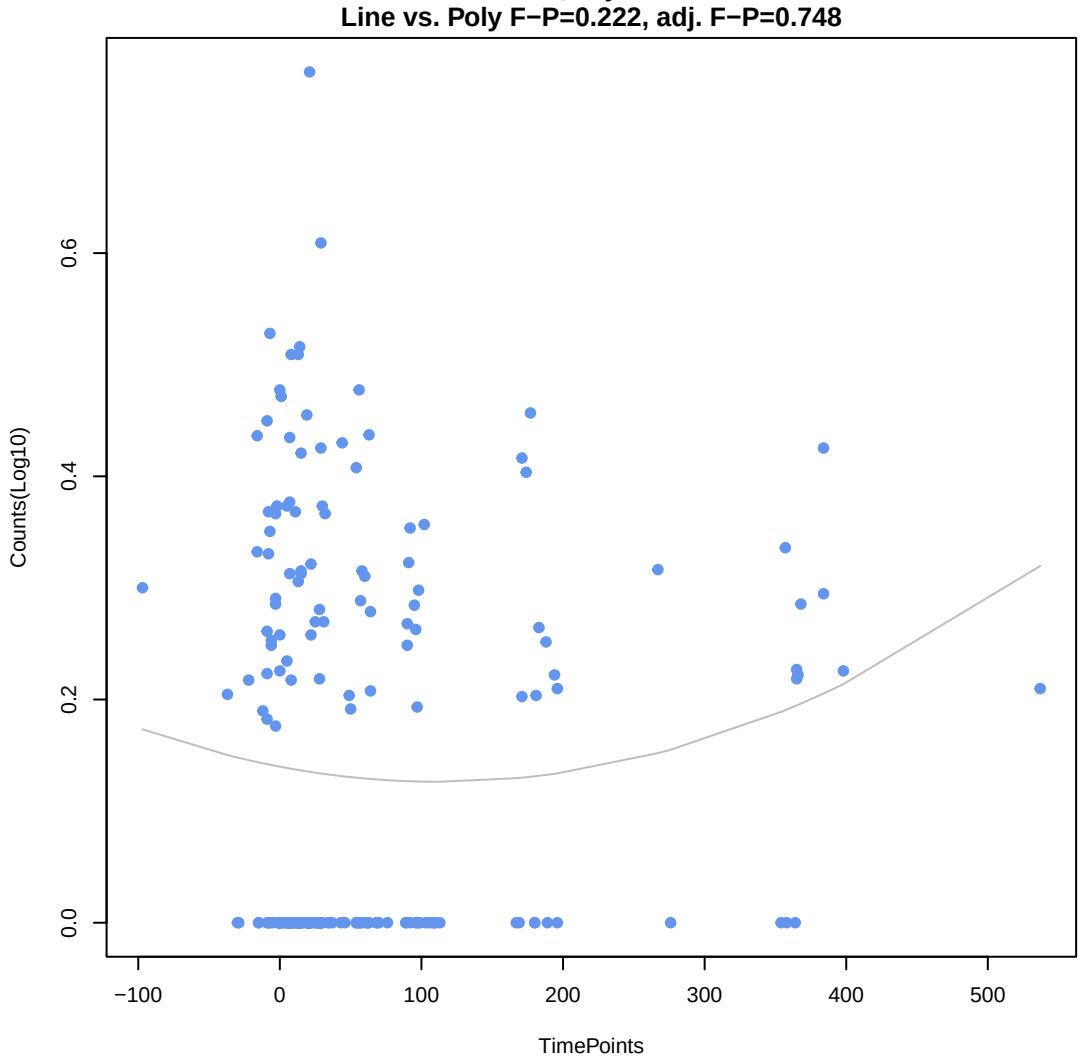
tet(M)
ANOVA P=0.389, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.215, adj. F−P=0.748



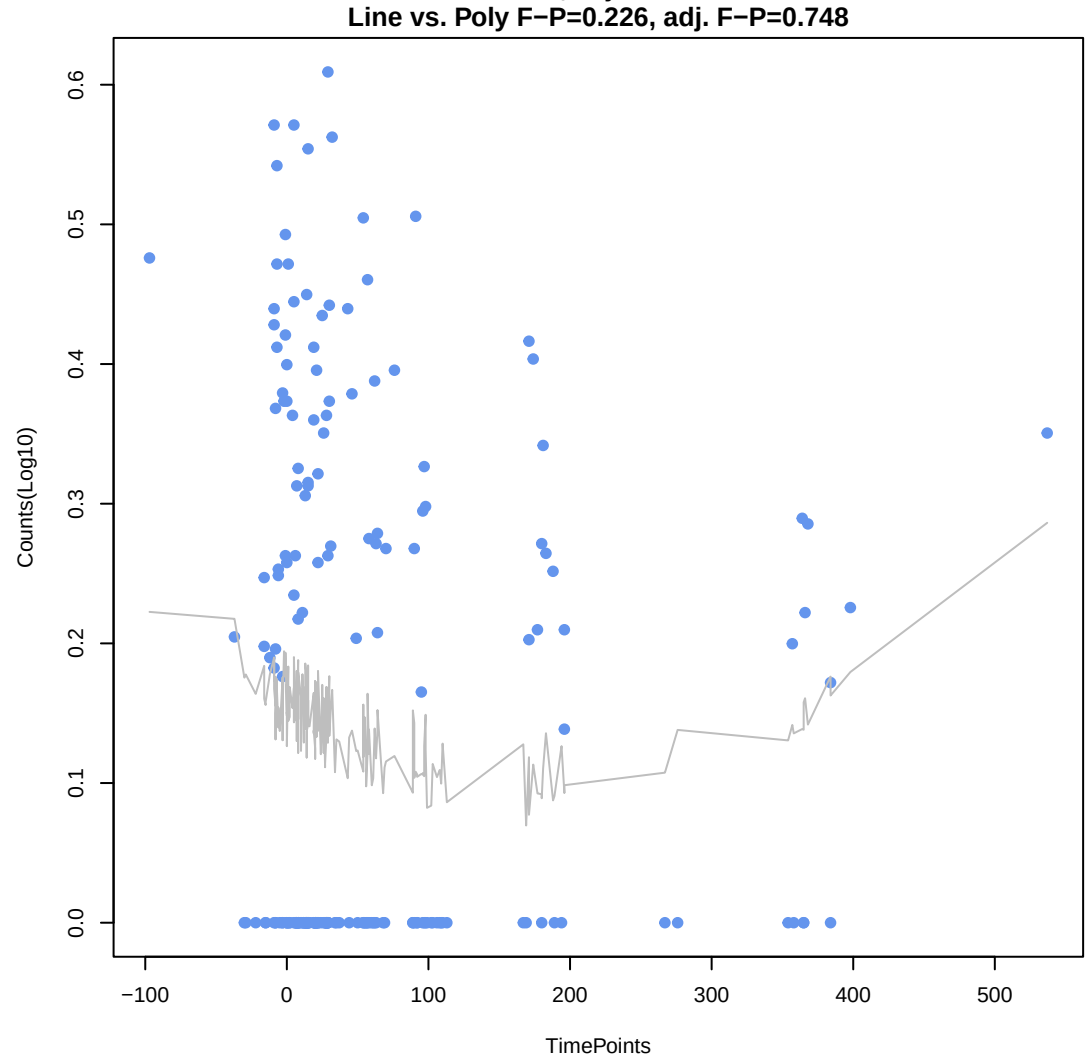
nimA
ANOVA P=1.2e−05, adj. ANOVA−P=0.00129
Line vs. Poly F−P=0.218, adj. F−P=0.748

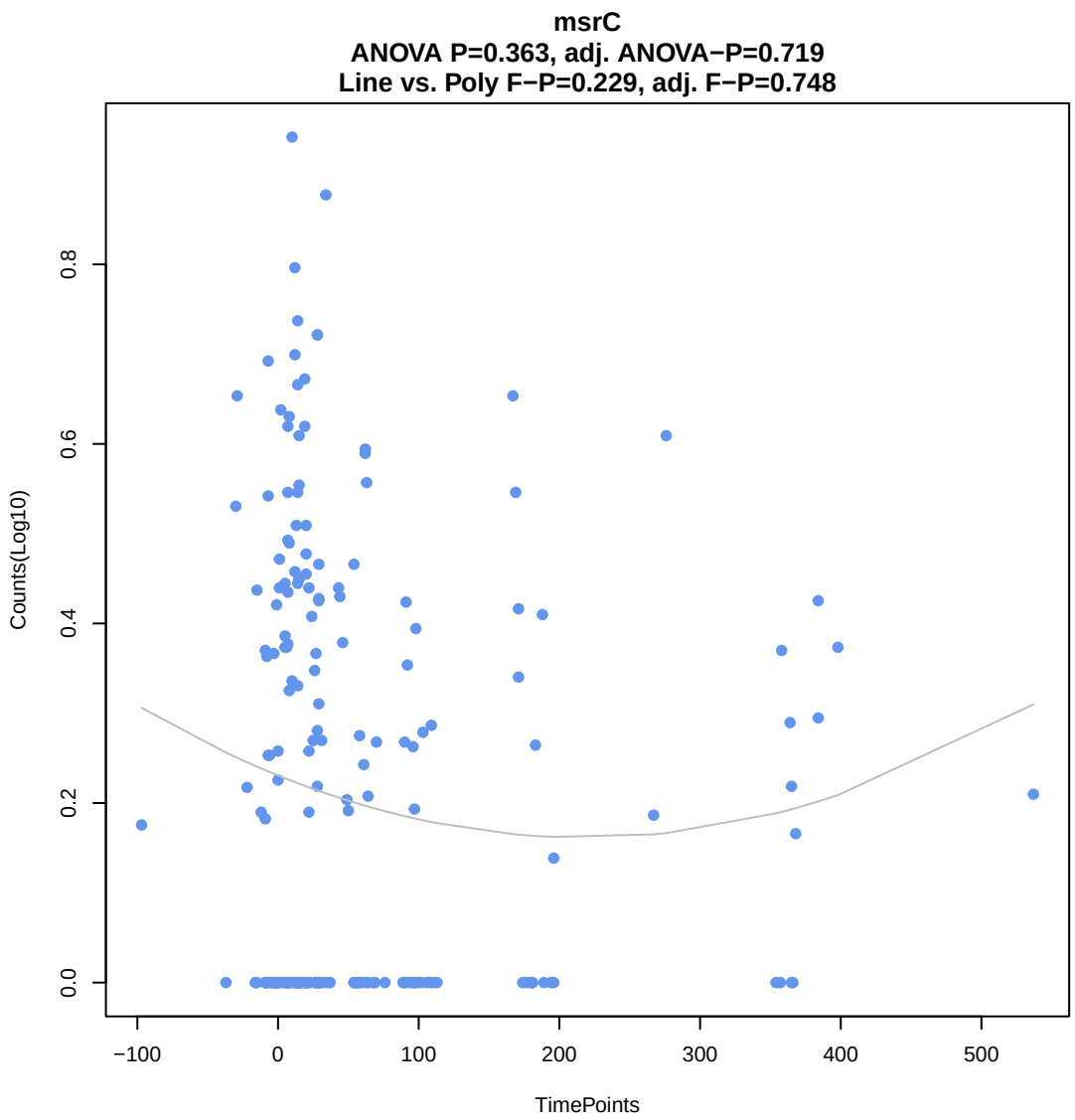


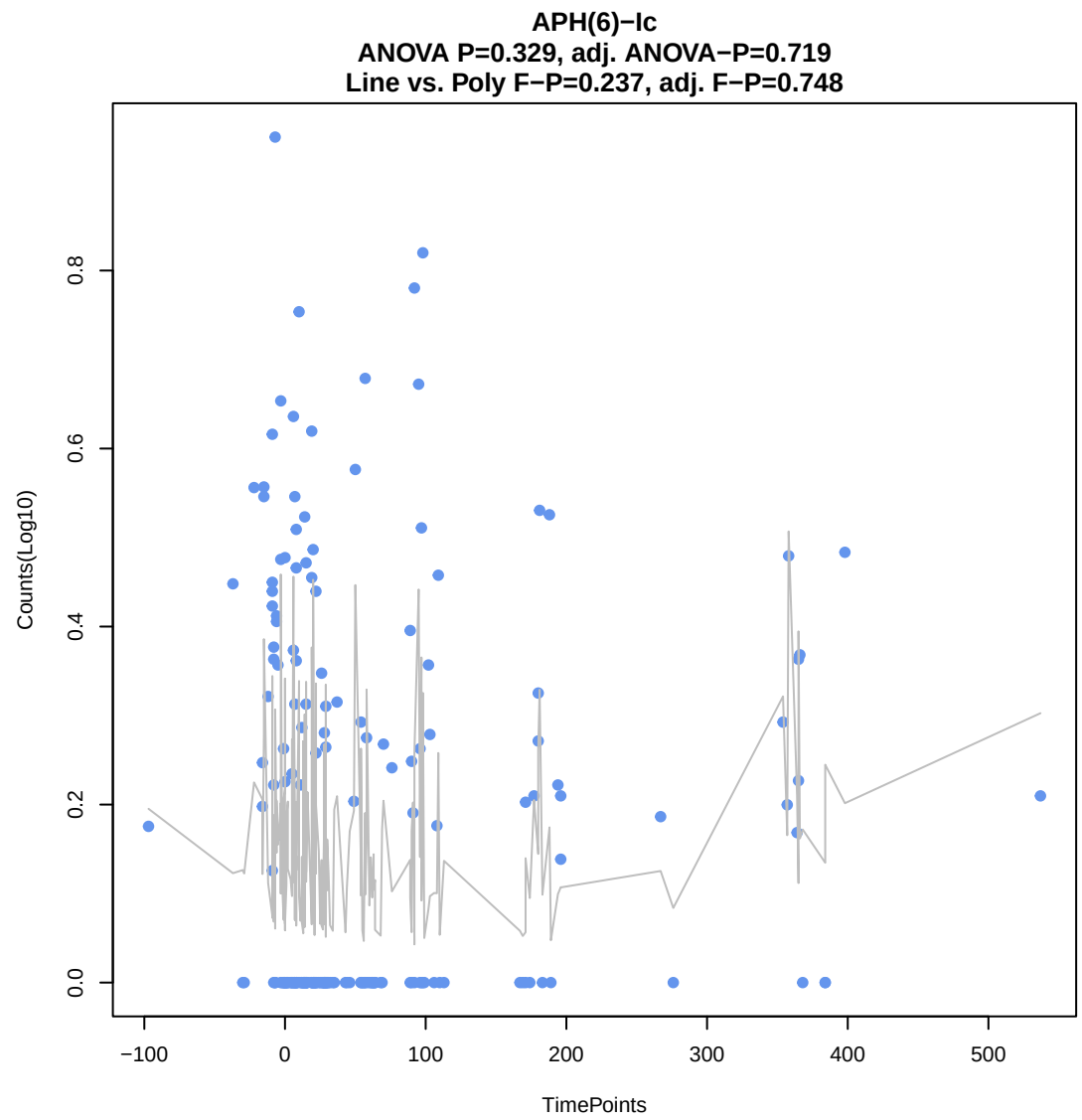
mdtH
ANOVA P=0.272, adj. ANOVA−P=0.71
Line vs. Poly F−P=0.222, adj. F−P=0.748

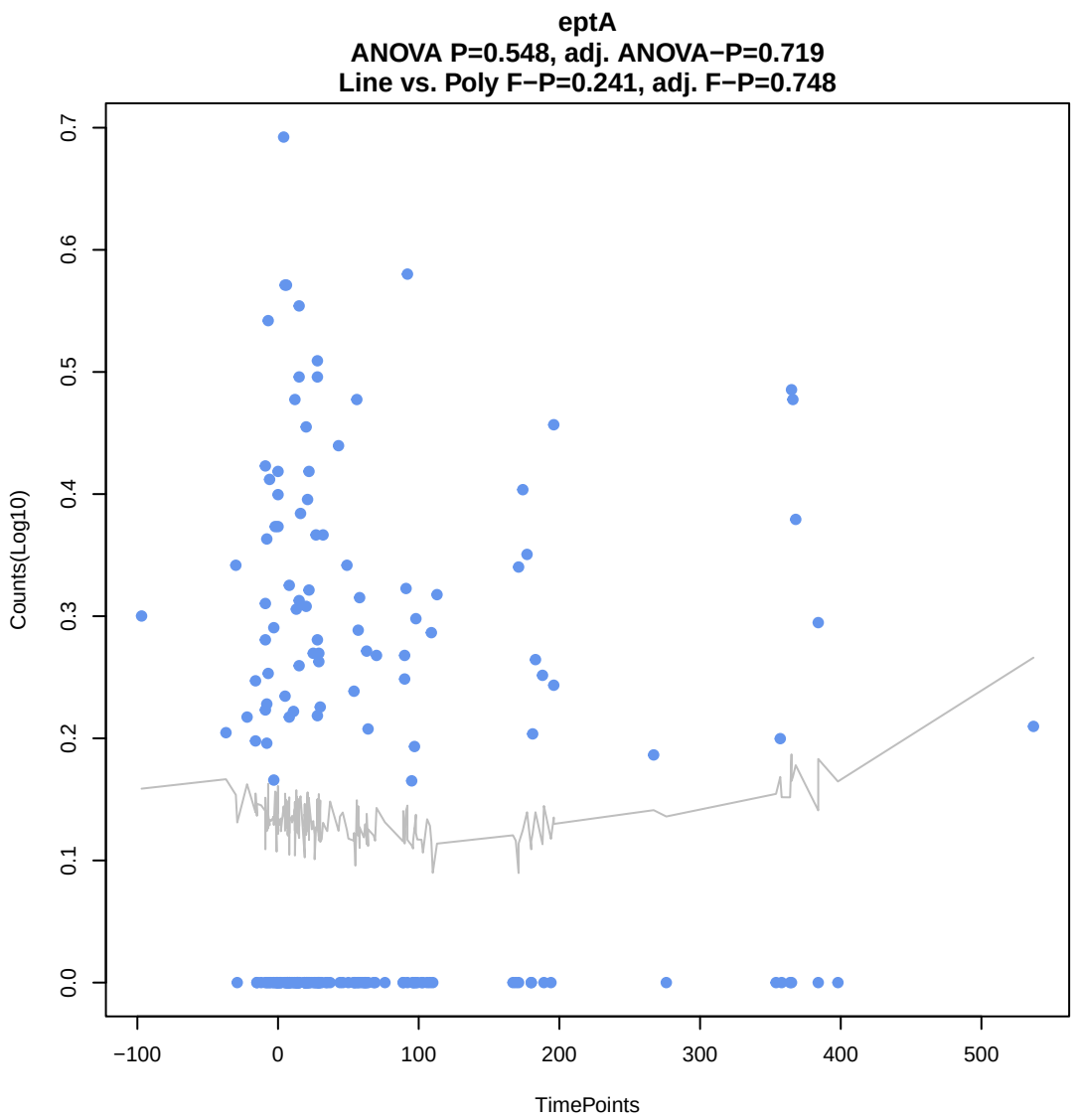


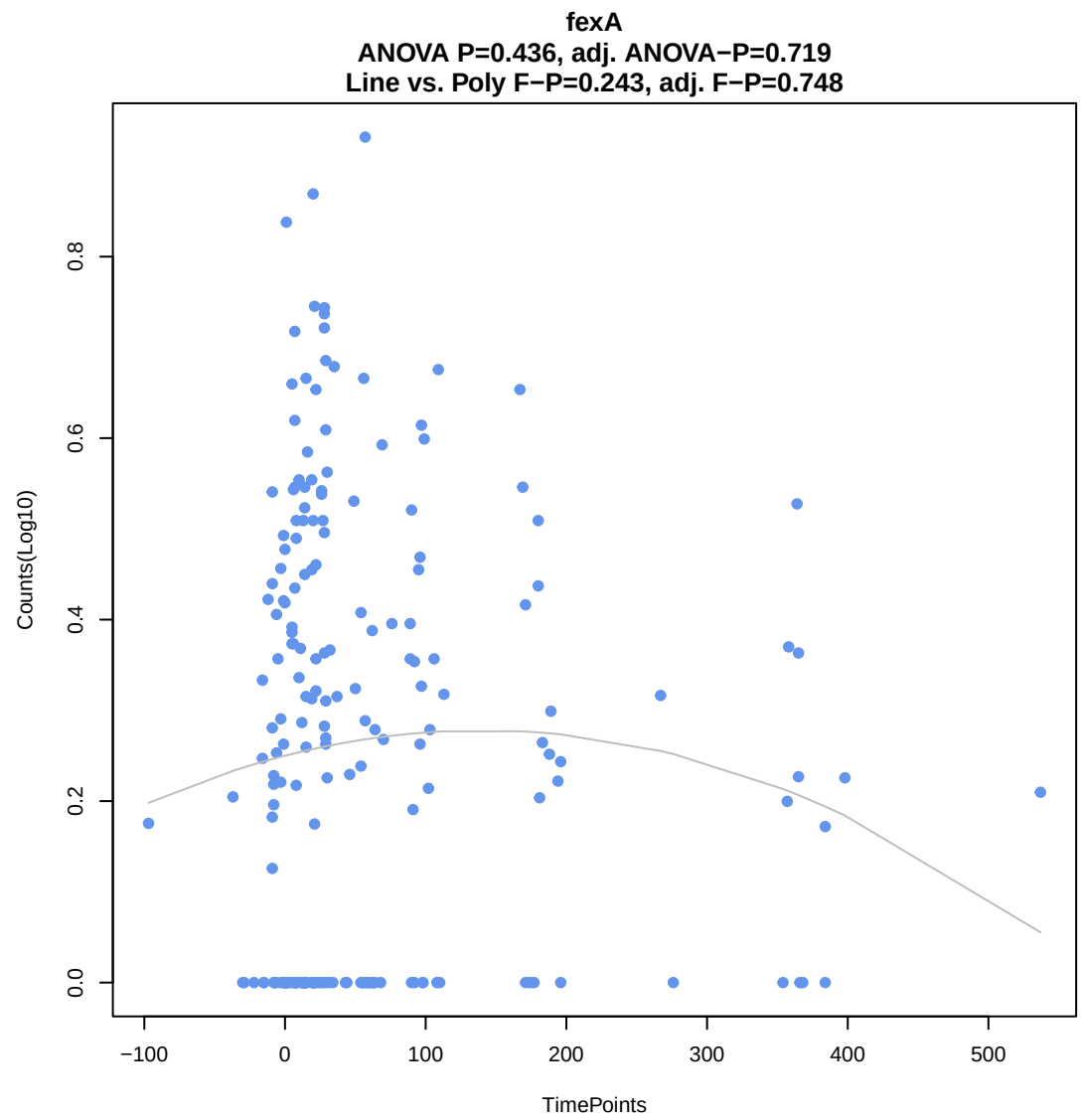
YojI
ANOVA P=0.192, adj. ANOVA−P=0.662
Line vs. Poly F−P=0.226, adj. F−P=0.748

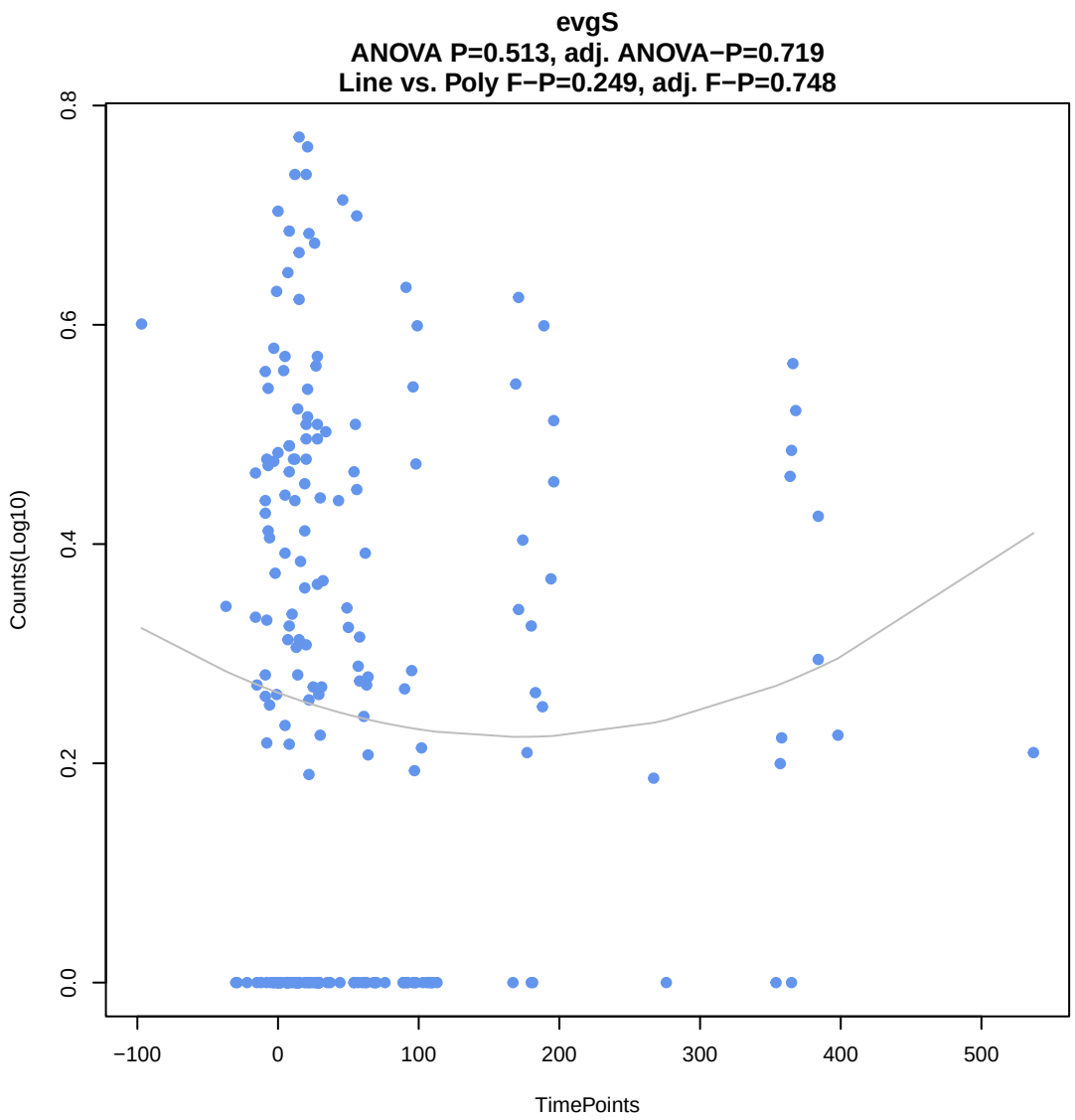


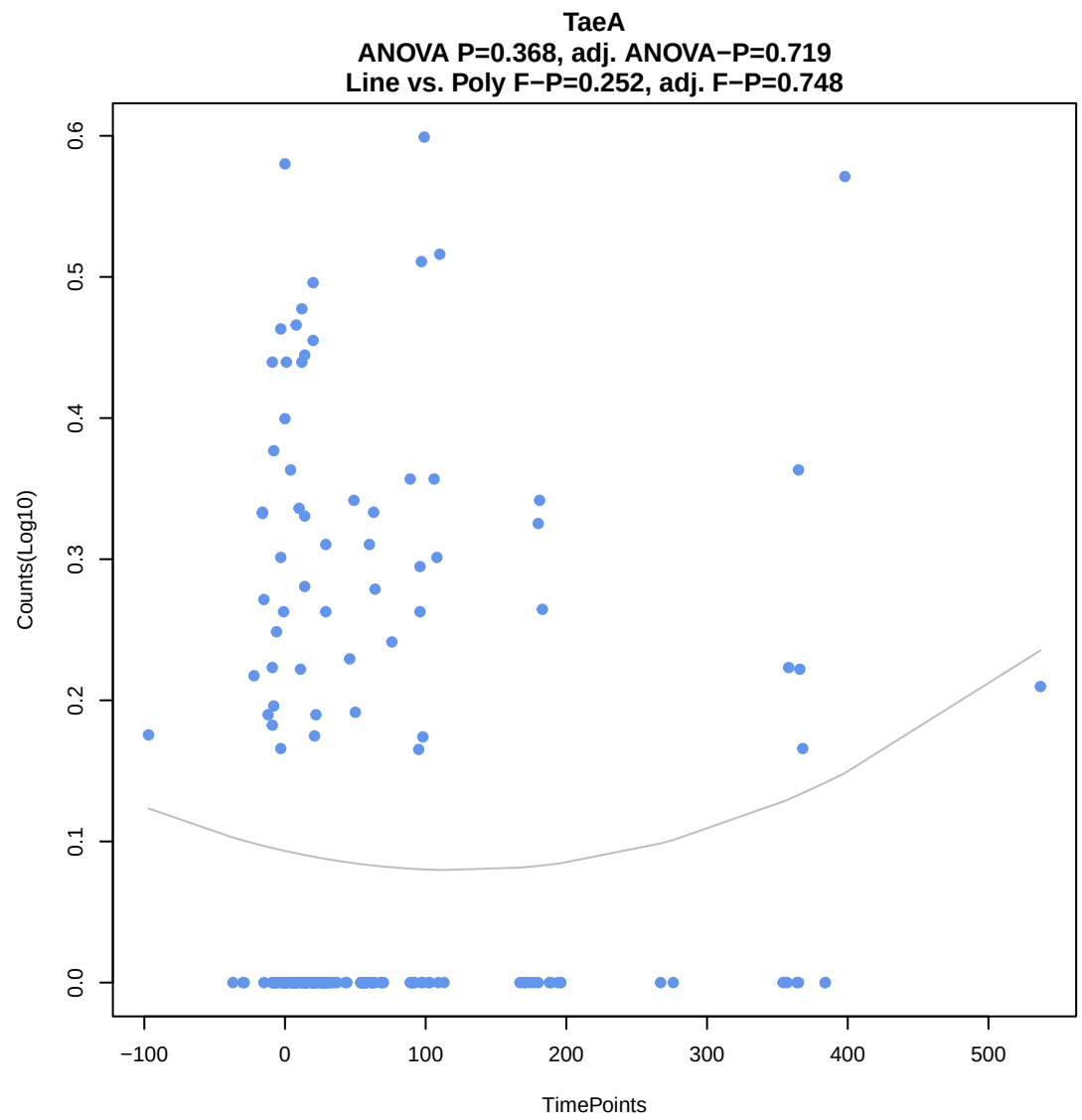

msrC
ANOVA P=0.363, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.229, adj. F−P=0.748
Counts(Log10)
TimePoints

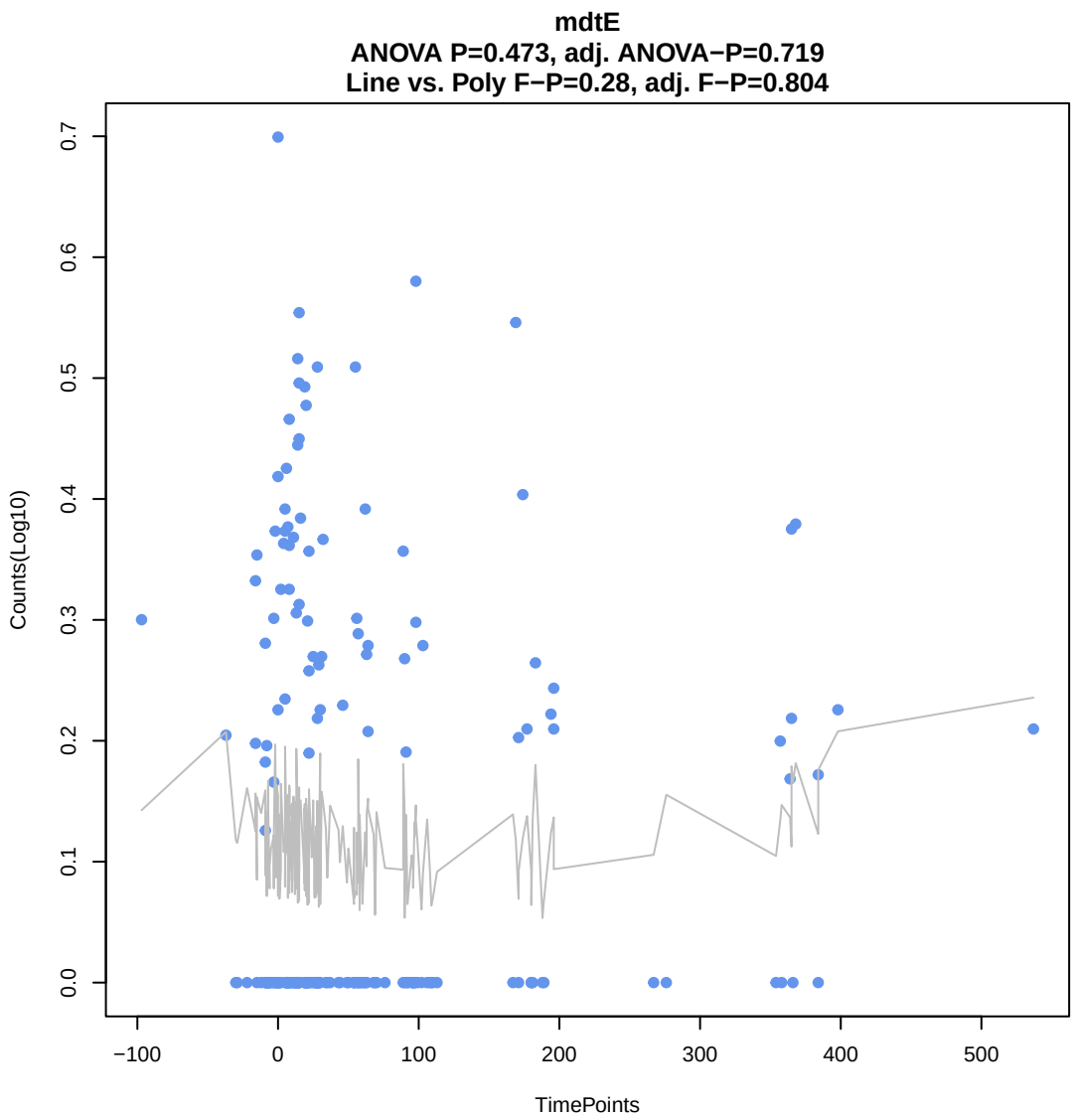

APH(6)−Ic
ANOVA P=0.329, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.237, adj. F−P=0.748
Counts(Log10)
TimePoints

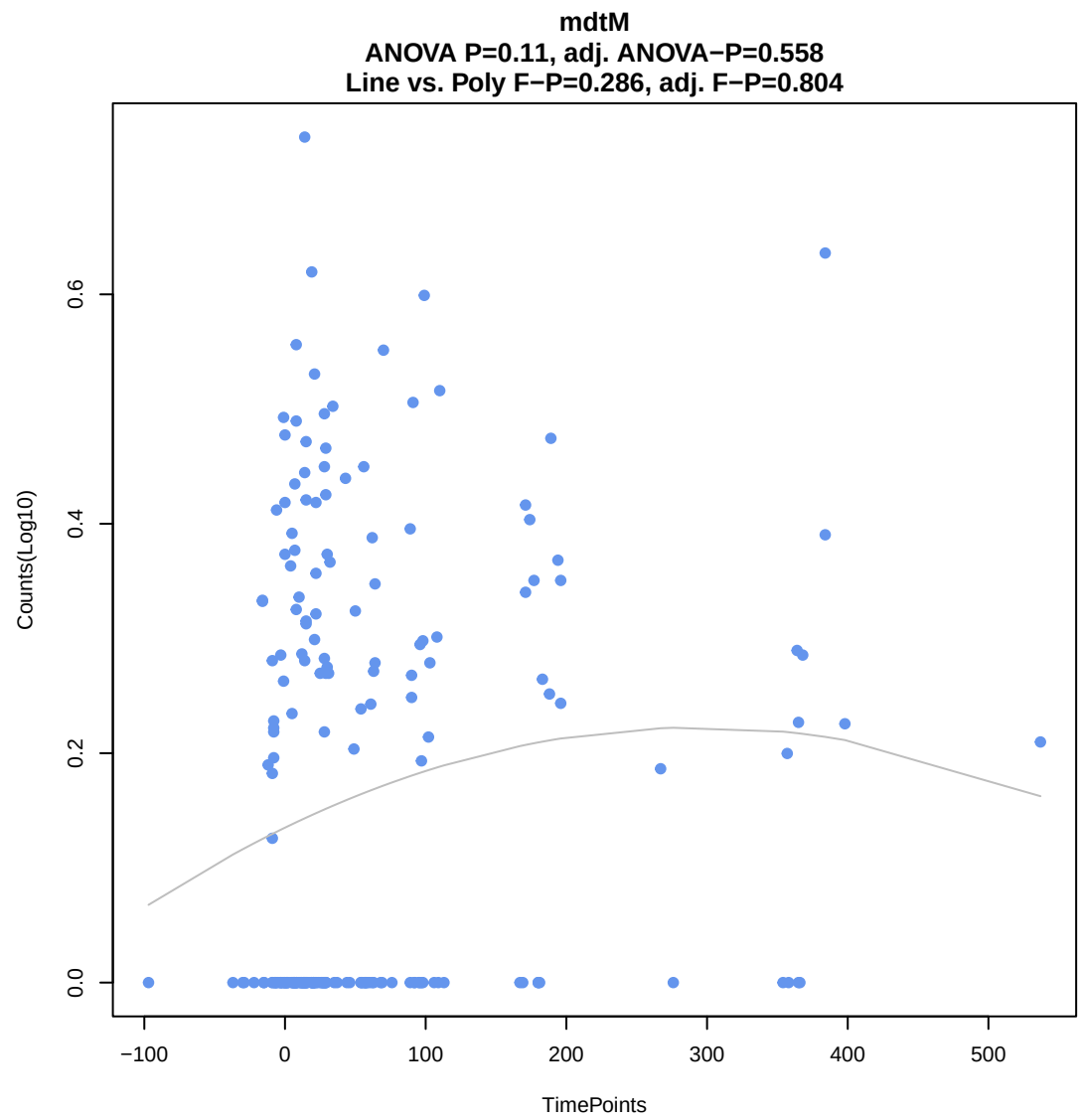

eptA
ANOVA P=0.548, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.241, adj. F−P=0.748
Counts(Log10)
TimePoints

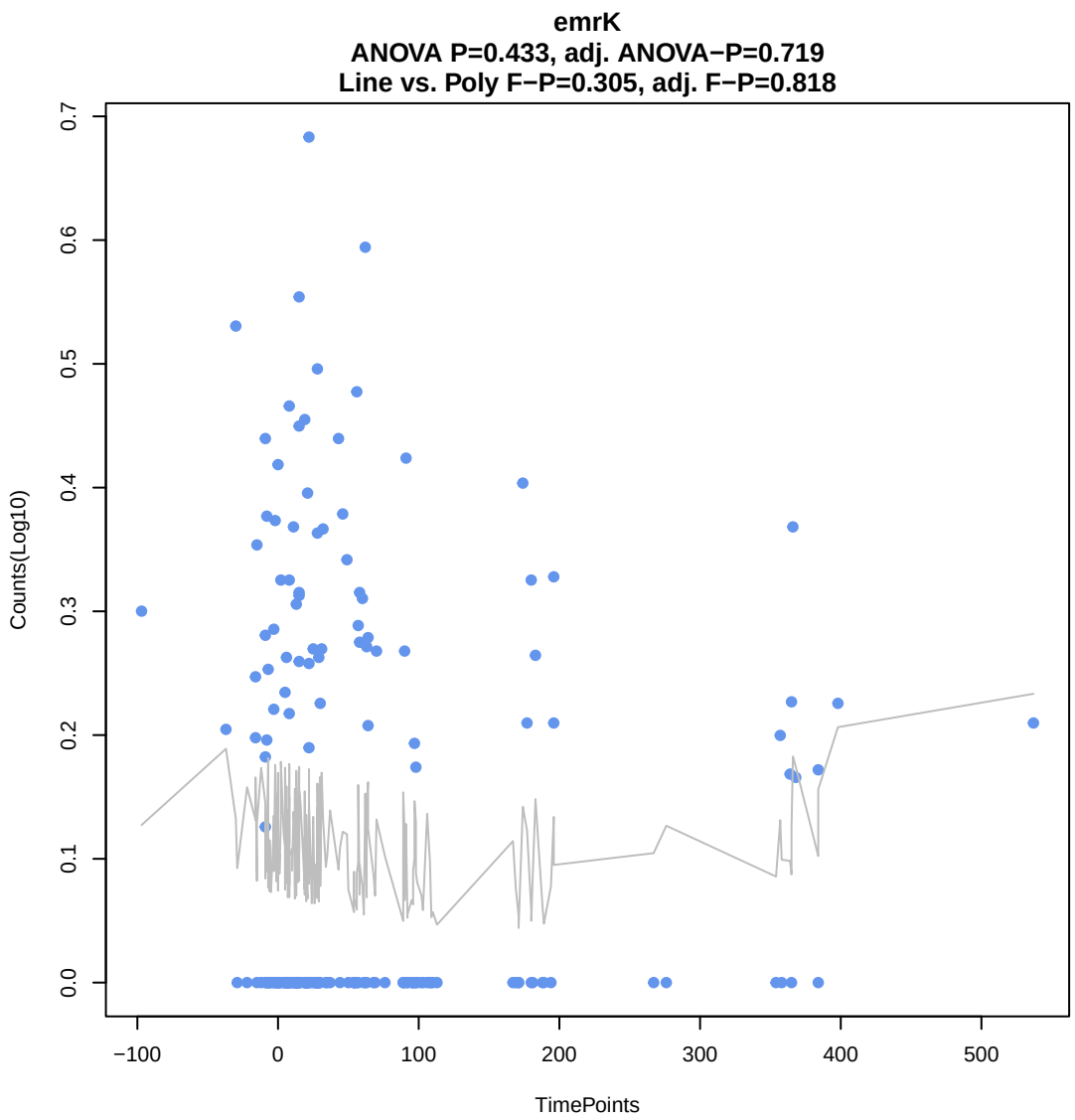

fexA
ANOVA P=0.436, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.243, adj. F−P=0.748
Counts(Log10)
TimePoints

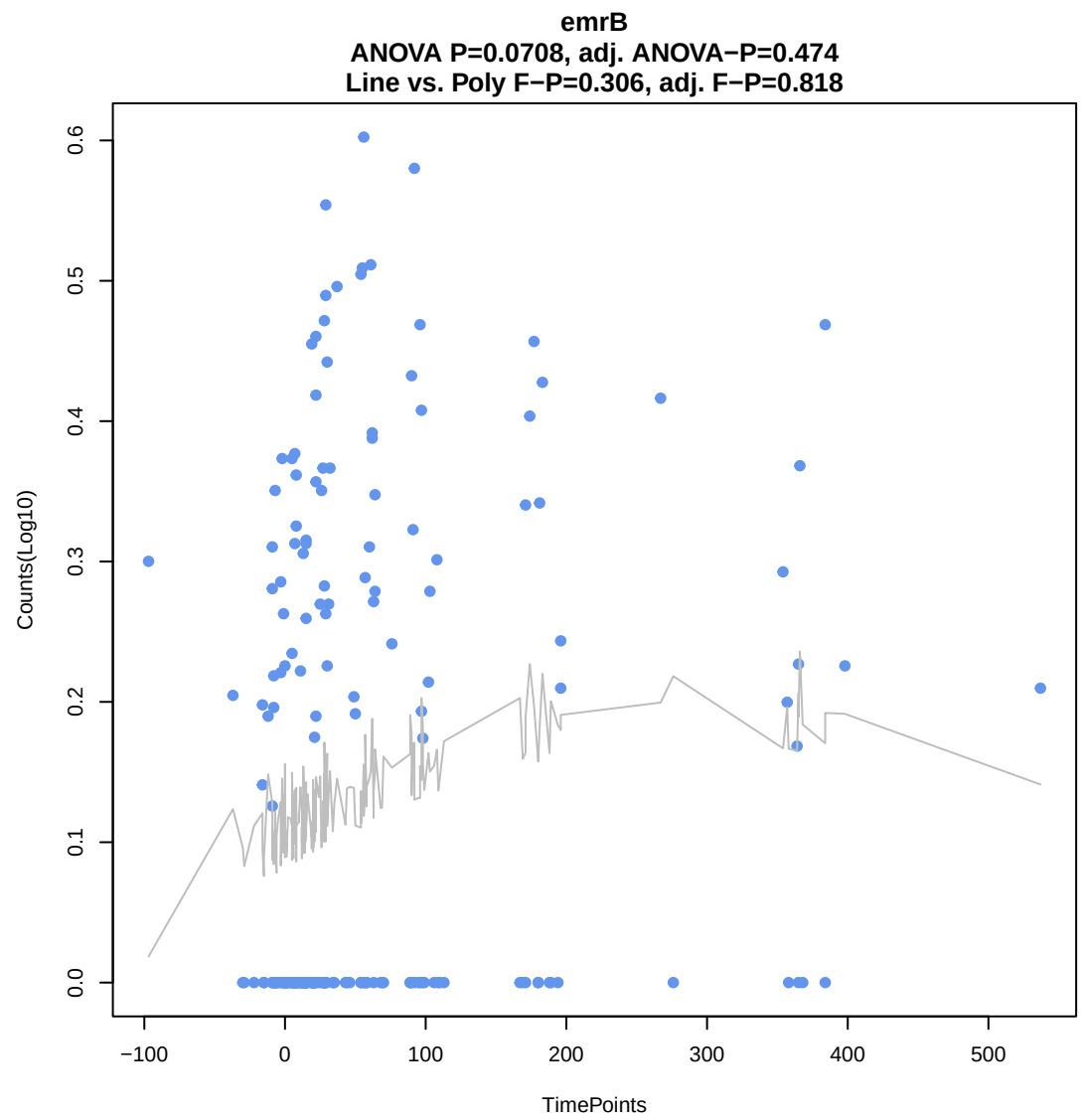

evgS
ANOVA P=0.513, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.249, adj. F−P=0.748
Counts(Log10)
TimePoints

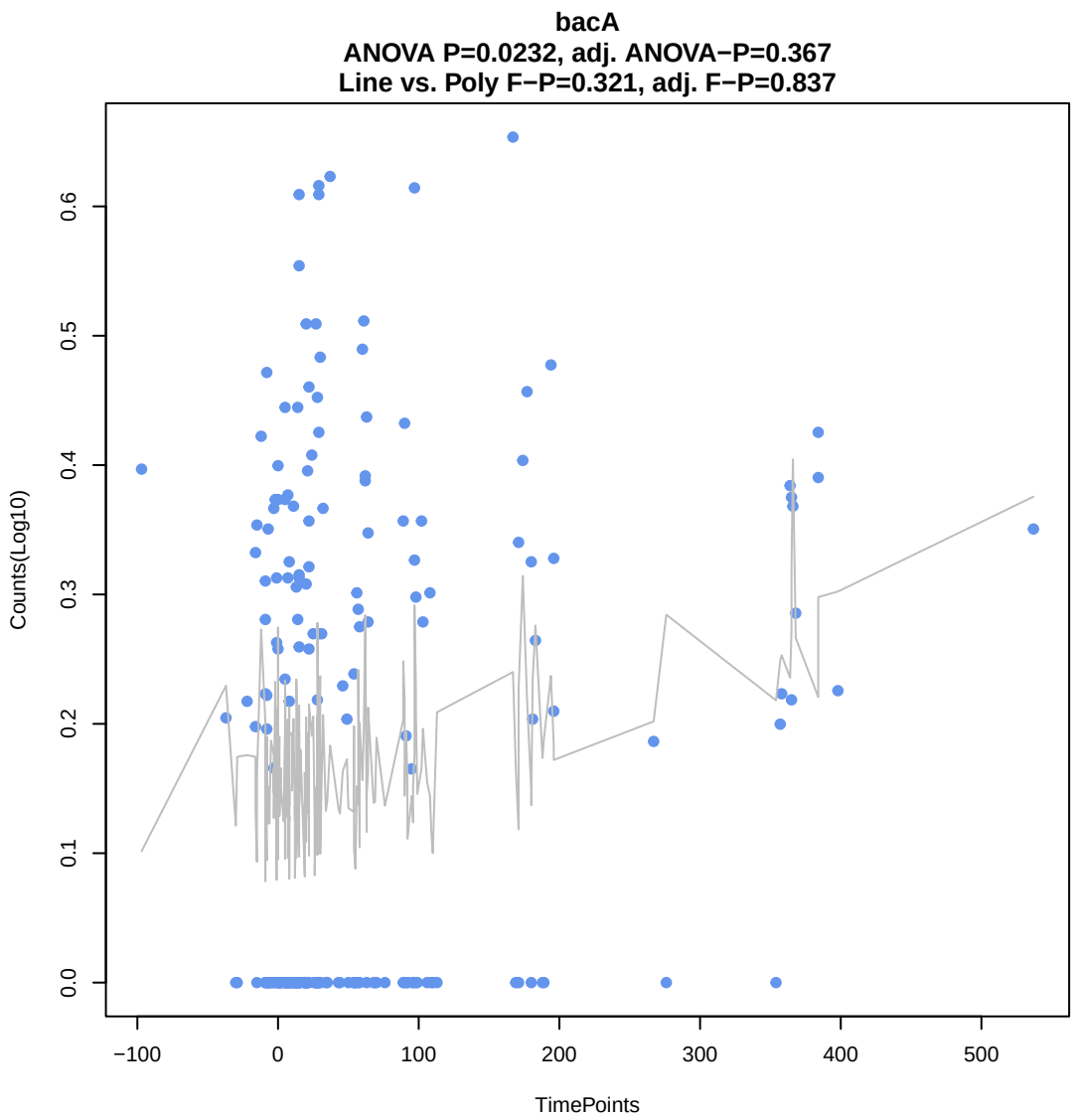

TaeA
ANOVA P=0.368, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.252, adj. F−P=0.748
Counts(Log10)
TimePoints

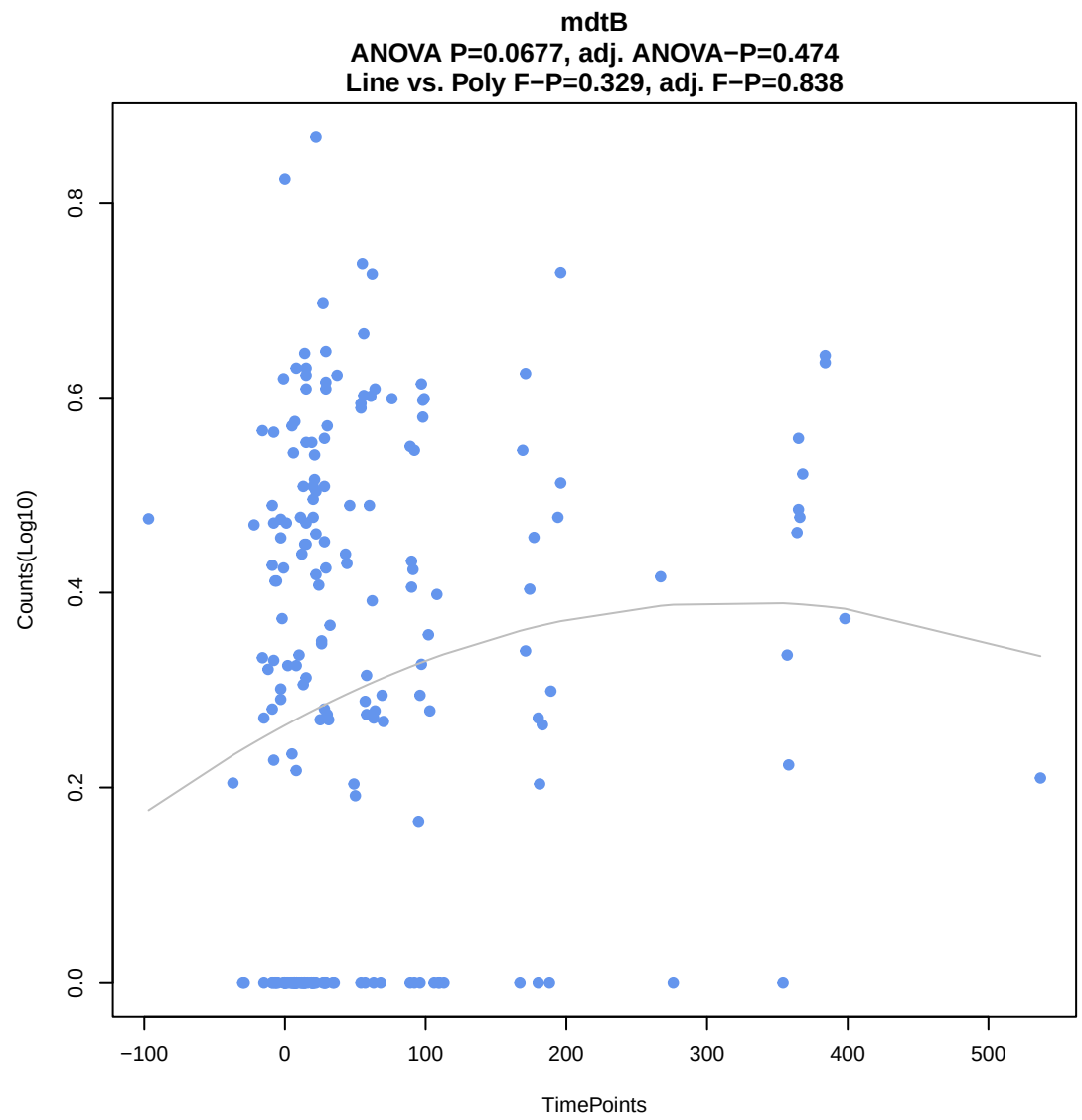

mdtE
ANOVA P=0.473, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.28, adj. F−P=0.804
Counts(Log10)
TimePoints

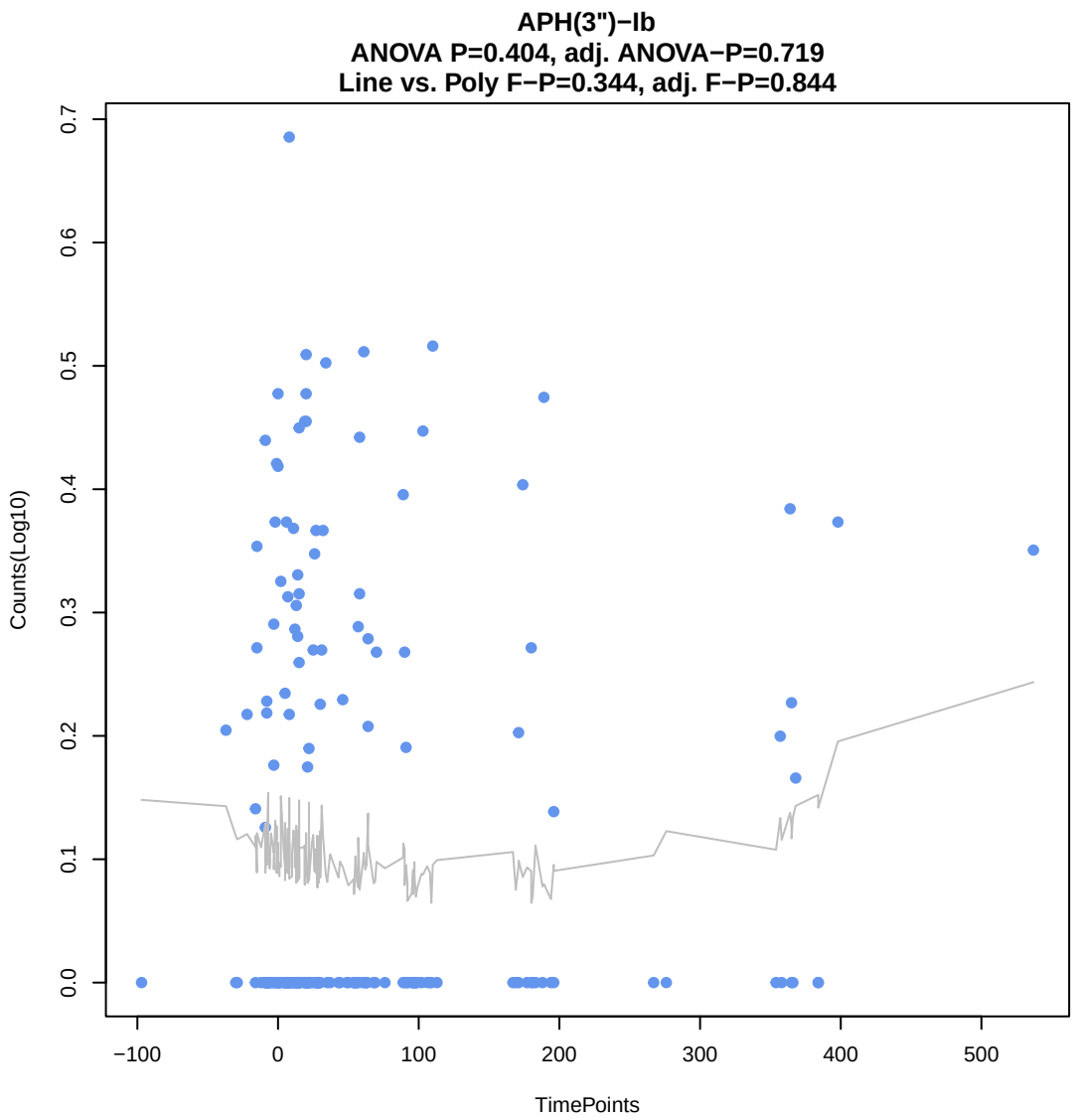

mdtM
ANOVA P=0.11, adj. ANOVA−P=0.558
Line vs. Poly F−P=0.286, adj. F−P=0.804
Counts(Log10)
TimePoints

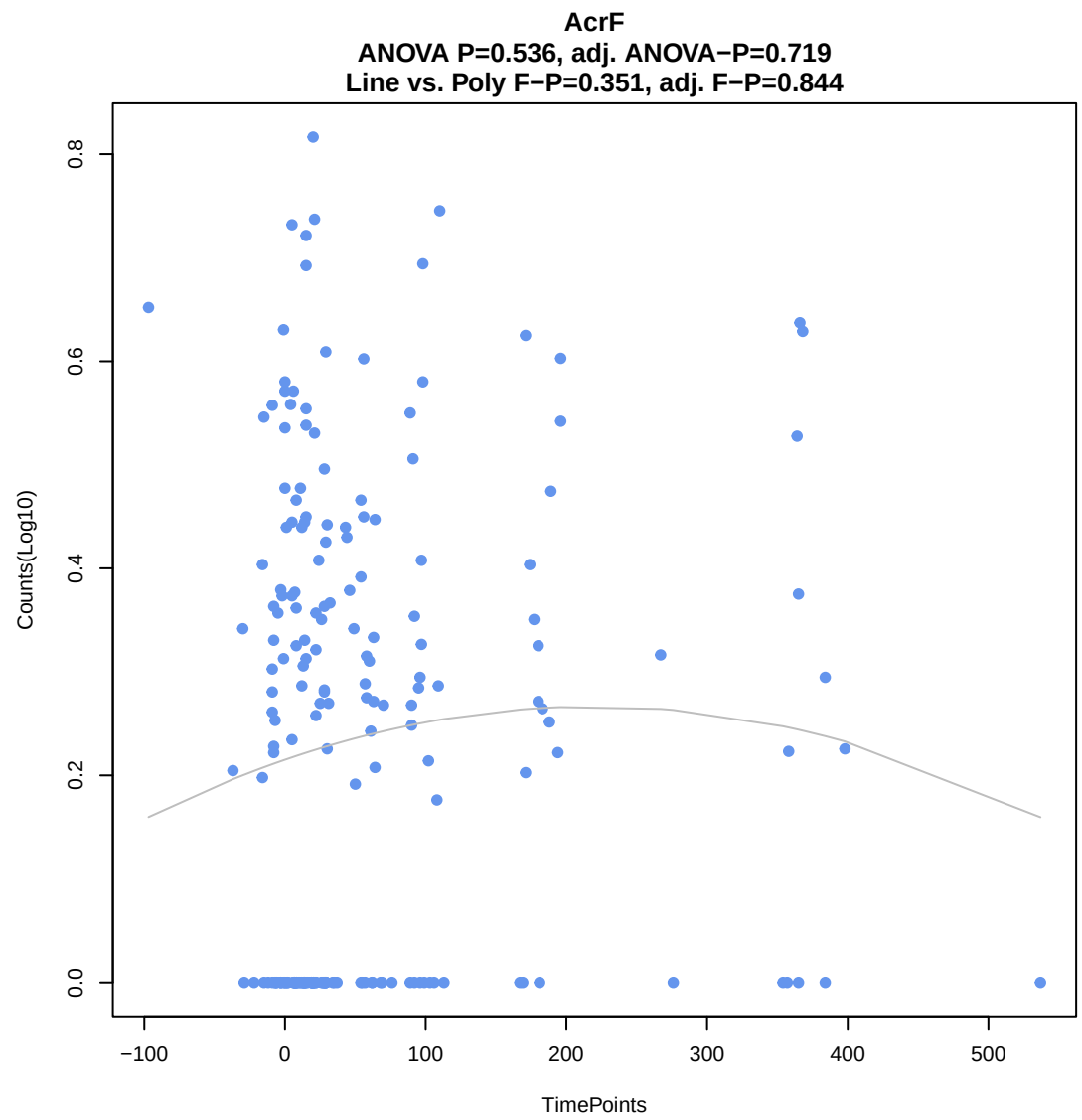

emrK
ANOVA P=0.433, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.305, adj. F−P=0.818
Counts(Log10)
TimePoints

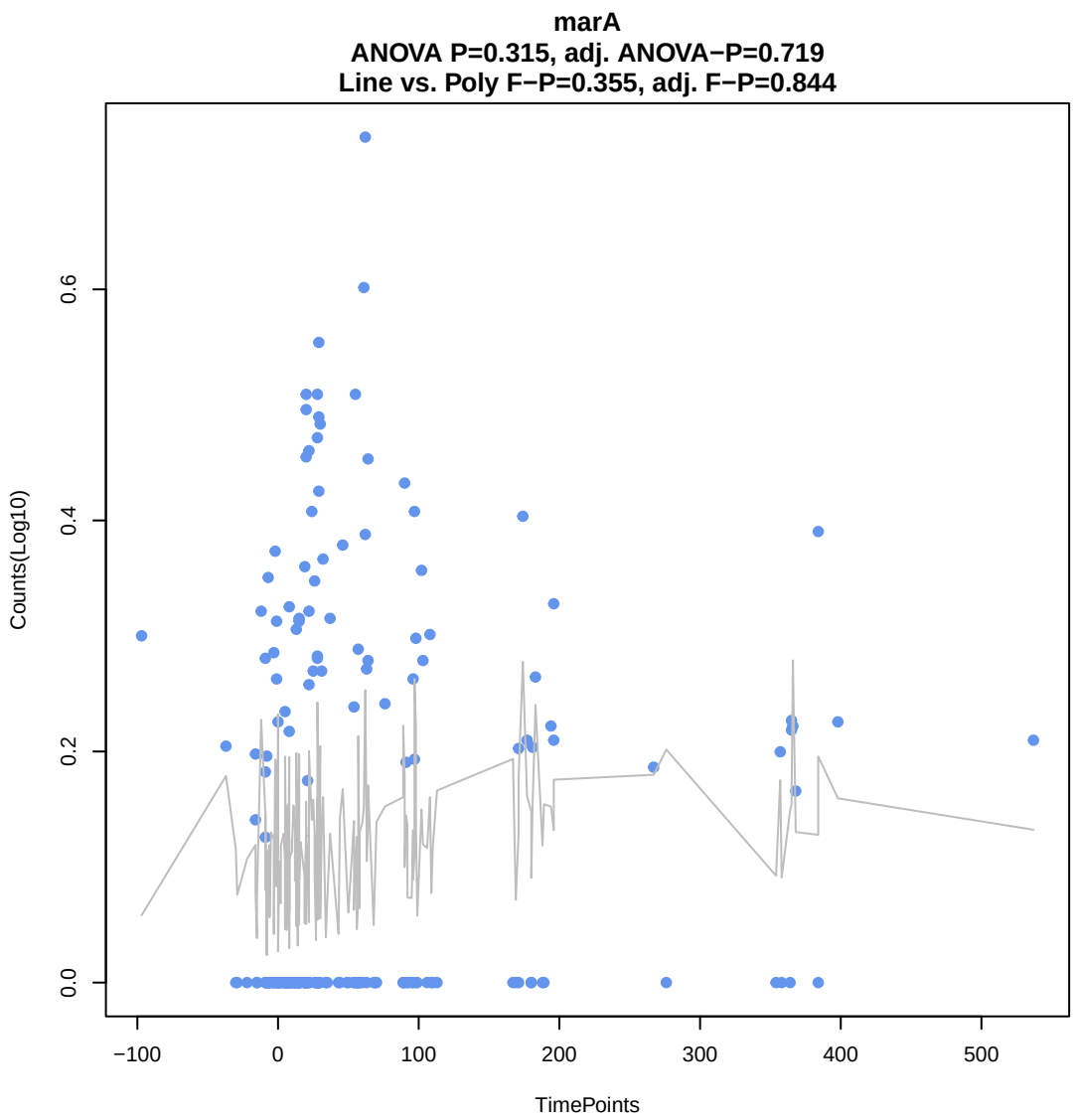

emrB
ANOVA P=0.0708, adj. ANOVA−P=0.474
Line vs. Poly F−P=0.306, adj. F−P=0.818
Counts(Log10)
TimePoints

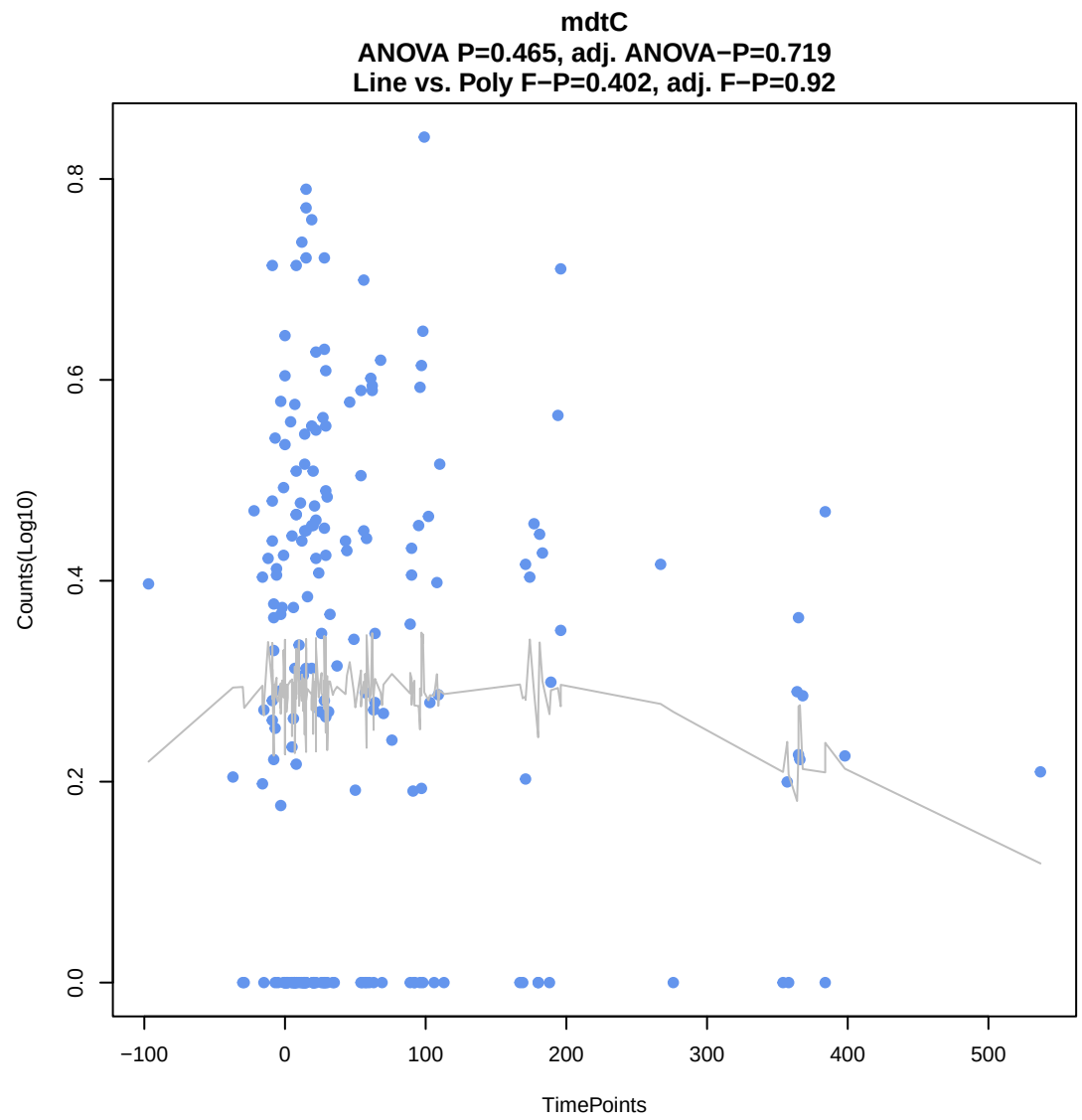

bacA
ANOVA P=0.0232, adj. ANOVA−P=0.367
Line vs. Poly F−P=0.321, adj. F−P=0.837
Counts(Log10)
TimePoints

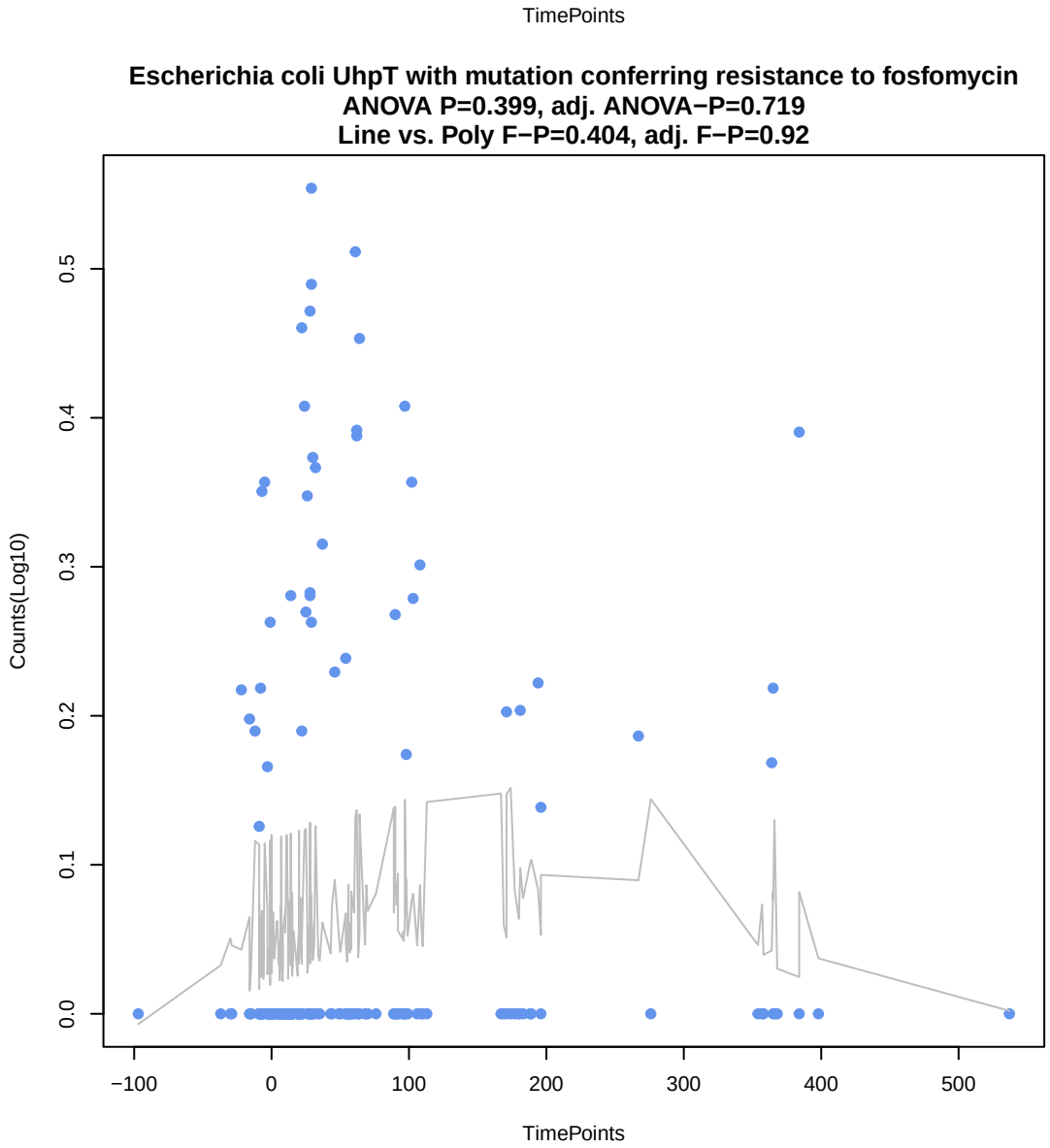

mdtB
ANOVA P=0.0677, adj. ANOVA−P=0.474
Line vs. Poly F−P=0.329, adj. F−P=0.838
Counts(Log10)
TimePoints

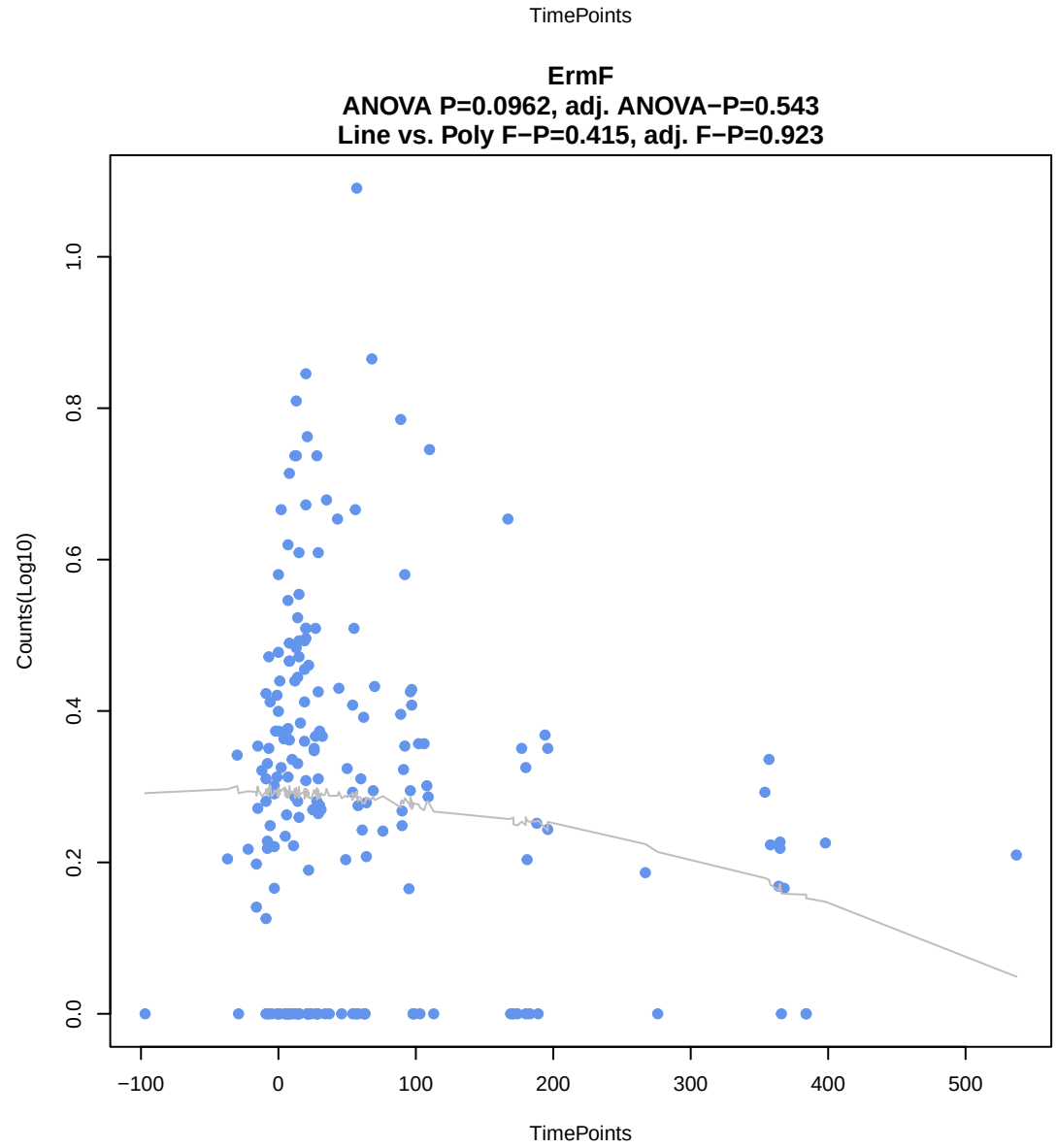

APH(3")−Ib
ANOVA P=0.404, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.344, adj. F−P=0.844
Counts(Log10)
TimePoints

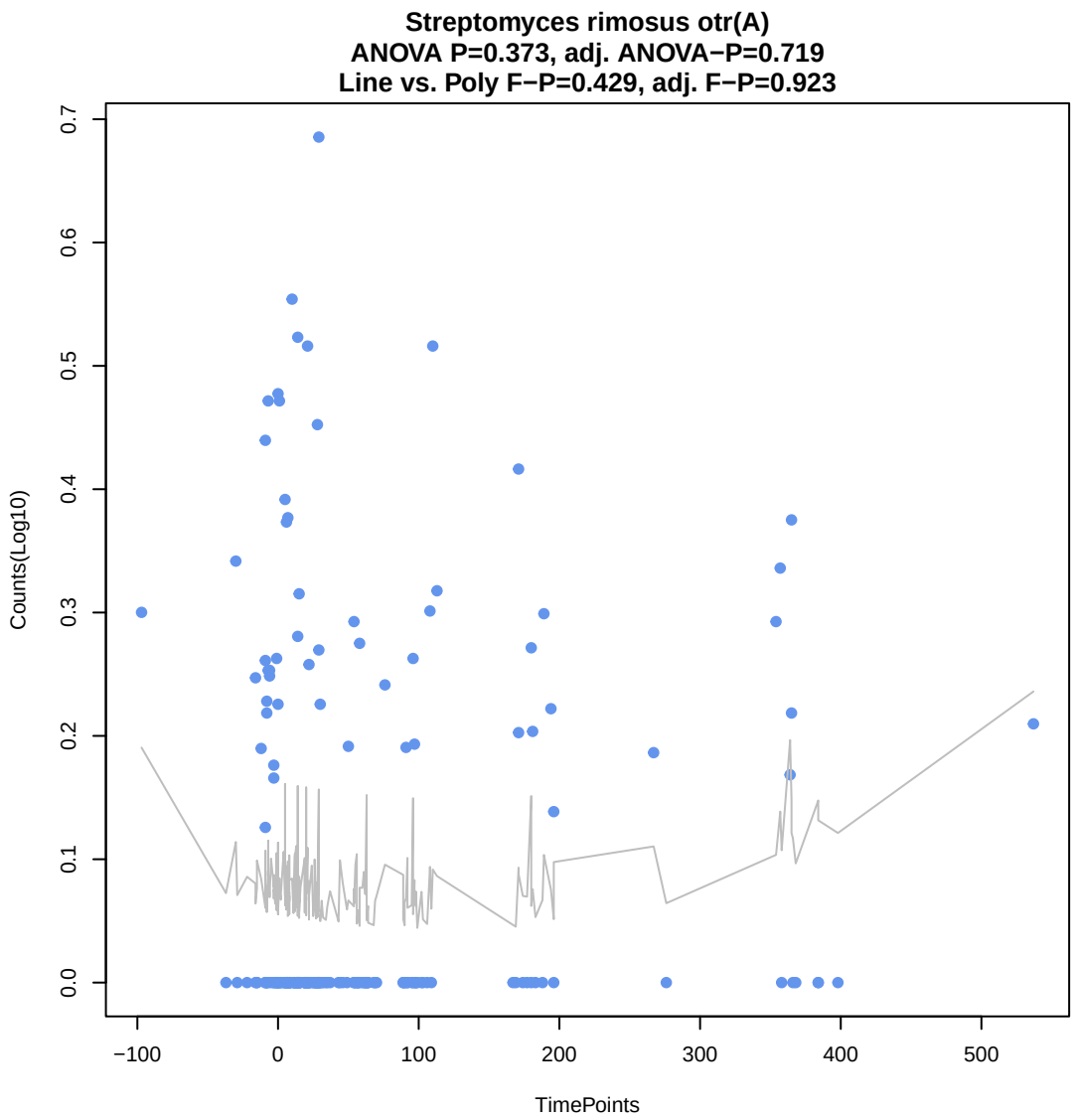

AcrF
ANOVA P=0.536, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.351, adj. F−P=0.844
Counts(Log10)
TimePoints

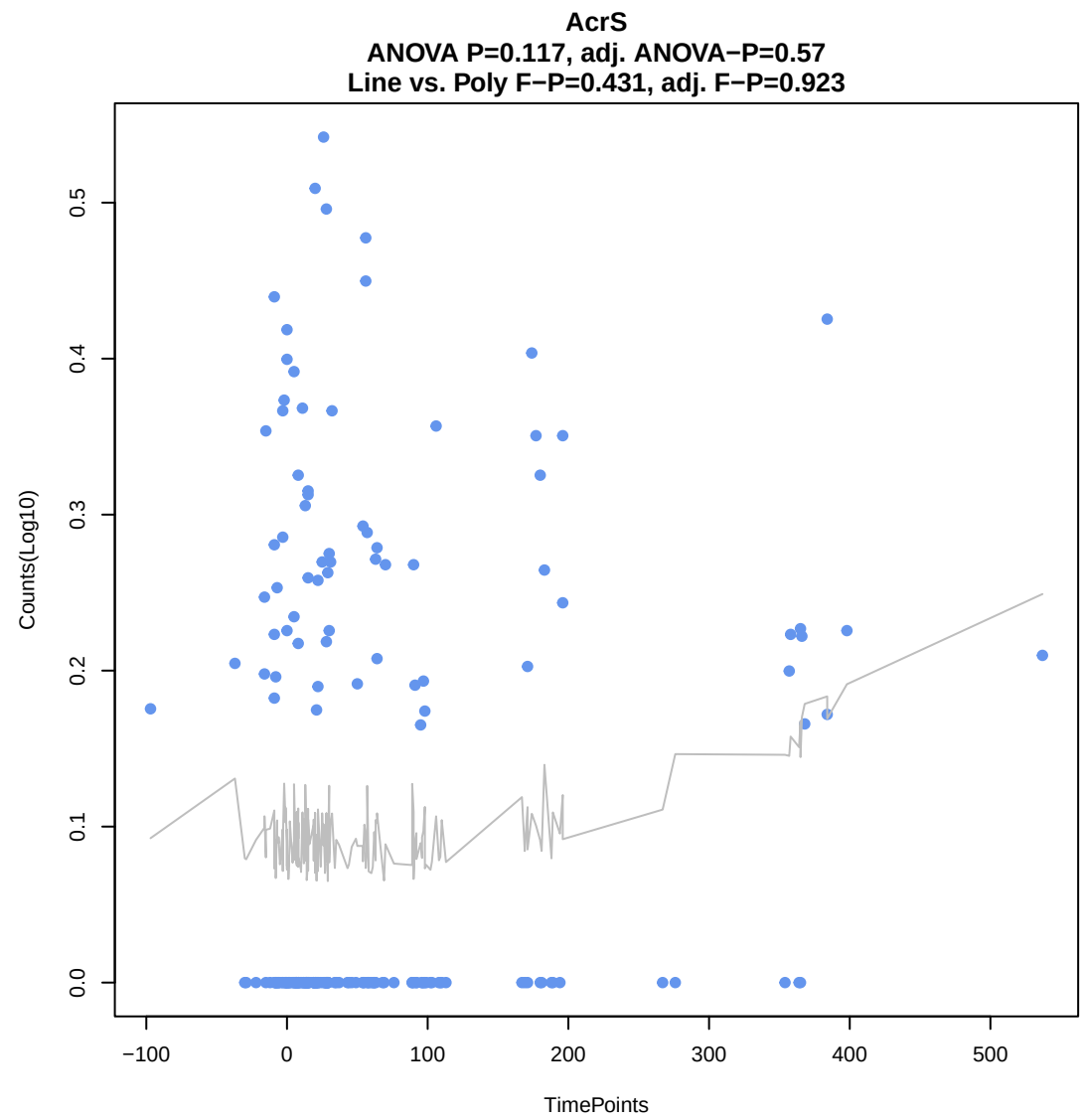

marA
ANOVA P=0.315, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.355, adj. F−P=0.844
Counts(Log10)
TimePoints

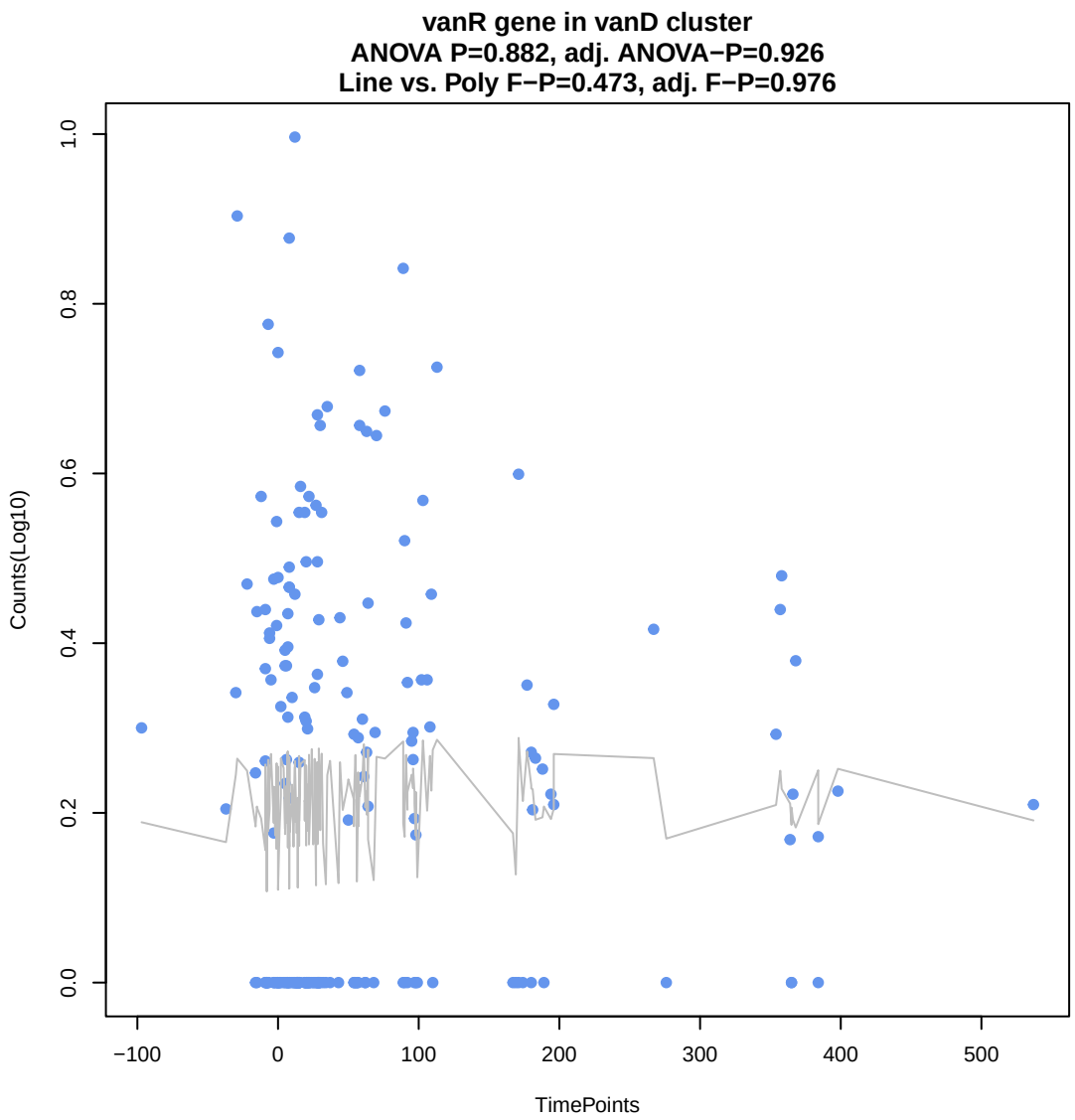

mdtC
ANOVA P=0.465, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.402, adj. F−P=0.92
Counts(Log10)
TimePoints

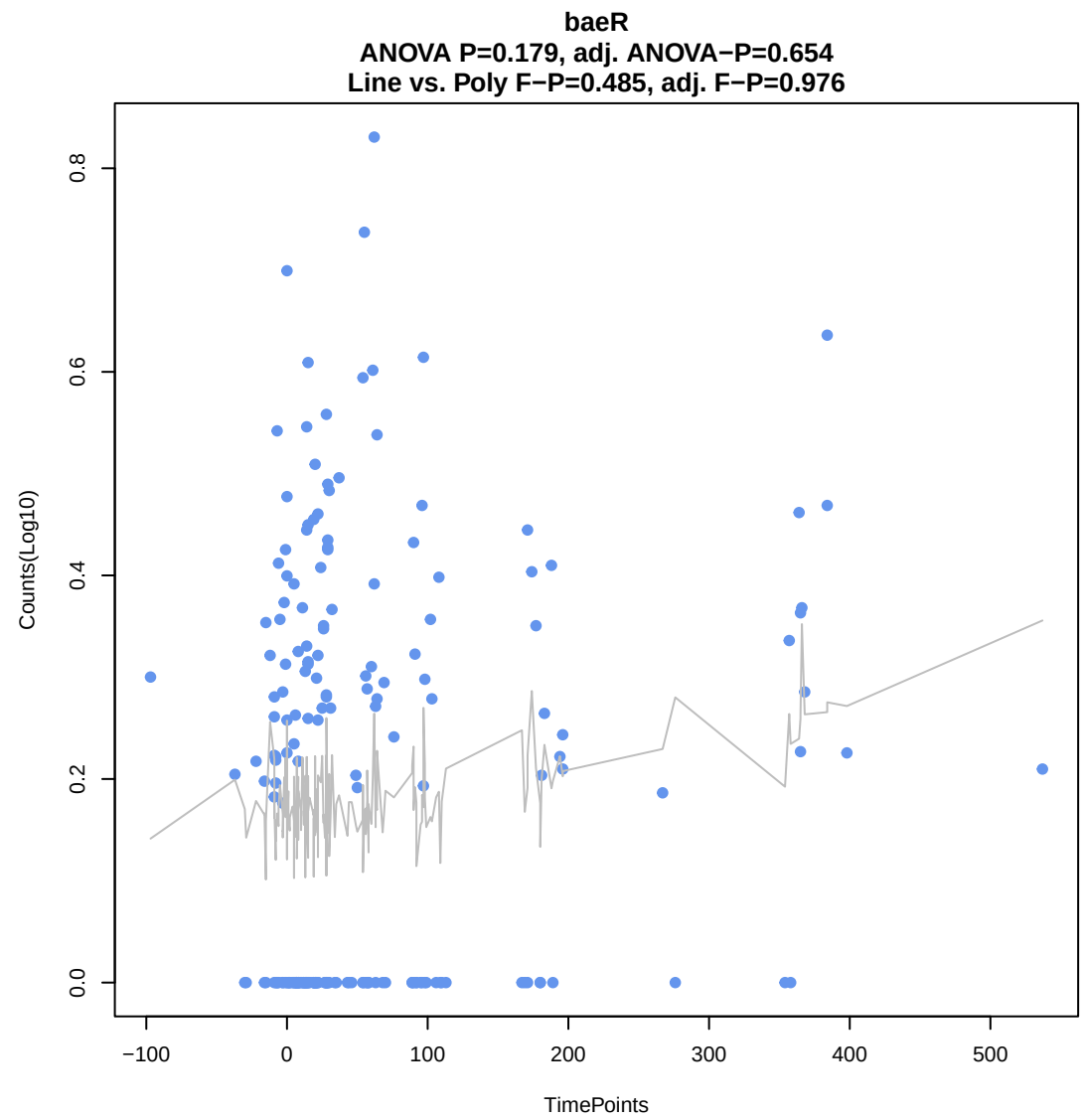

Escherichia coli UhpT with mutation conferring resistance to fosfomycin
ANOVA P=0.399, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.404, adj. F−P=0.92
Counts(Log10)
TimePoints

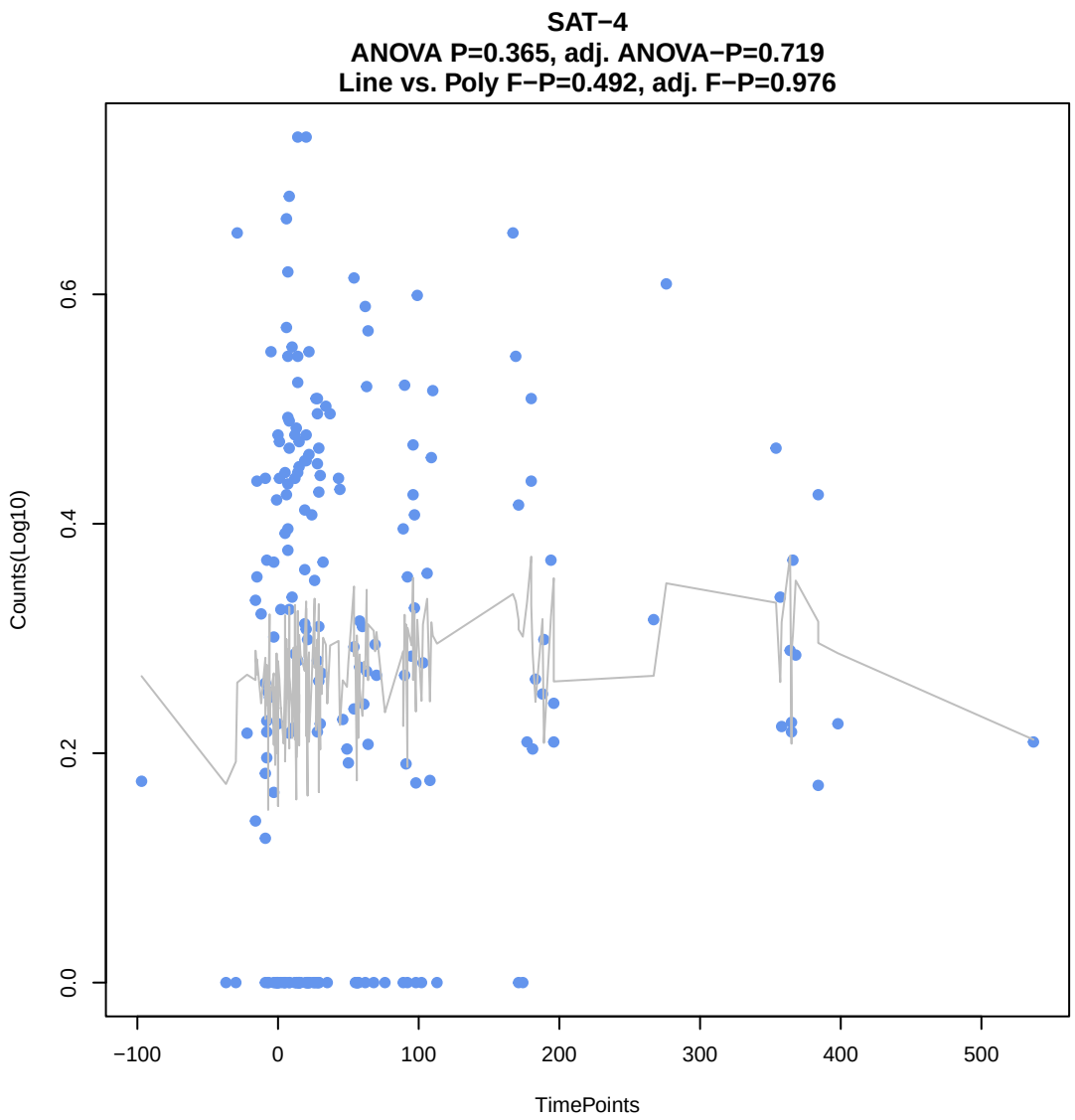

ErmF
ANOVA P=0.0962, adj. ANOVA−P=0.543
Line vs. Poly F−P=0.415, adj. F−P=0.923
Counts(Log10)
TimePoints

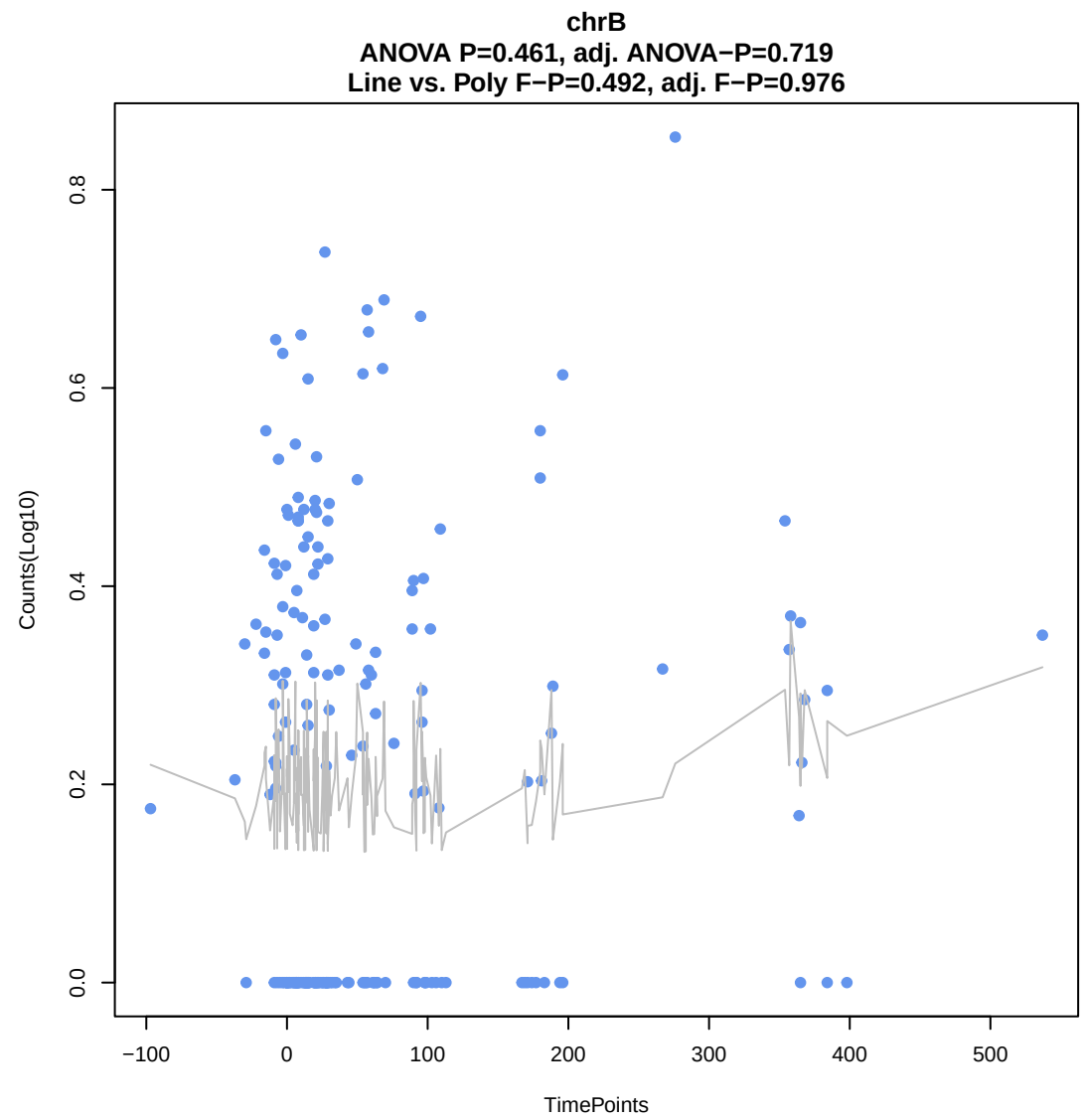

Streptomyces rimosus otr(A)
ANOVA P=0.373, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.429, adj. F−P=0.923
Counts(Log10)
TimePoints

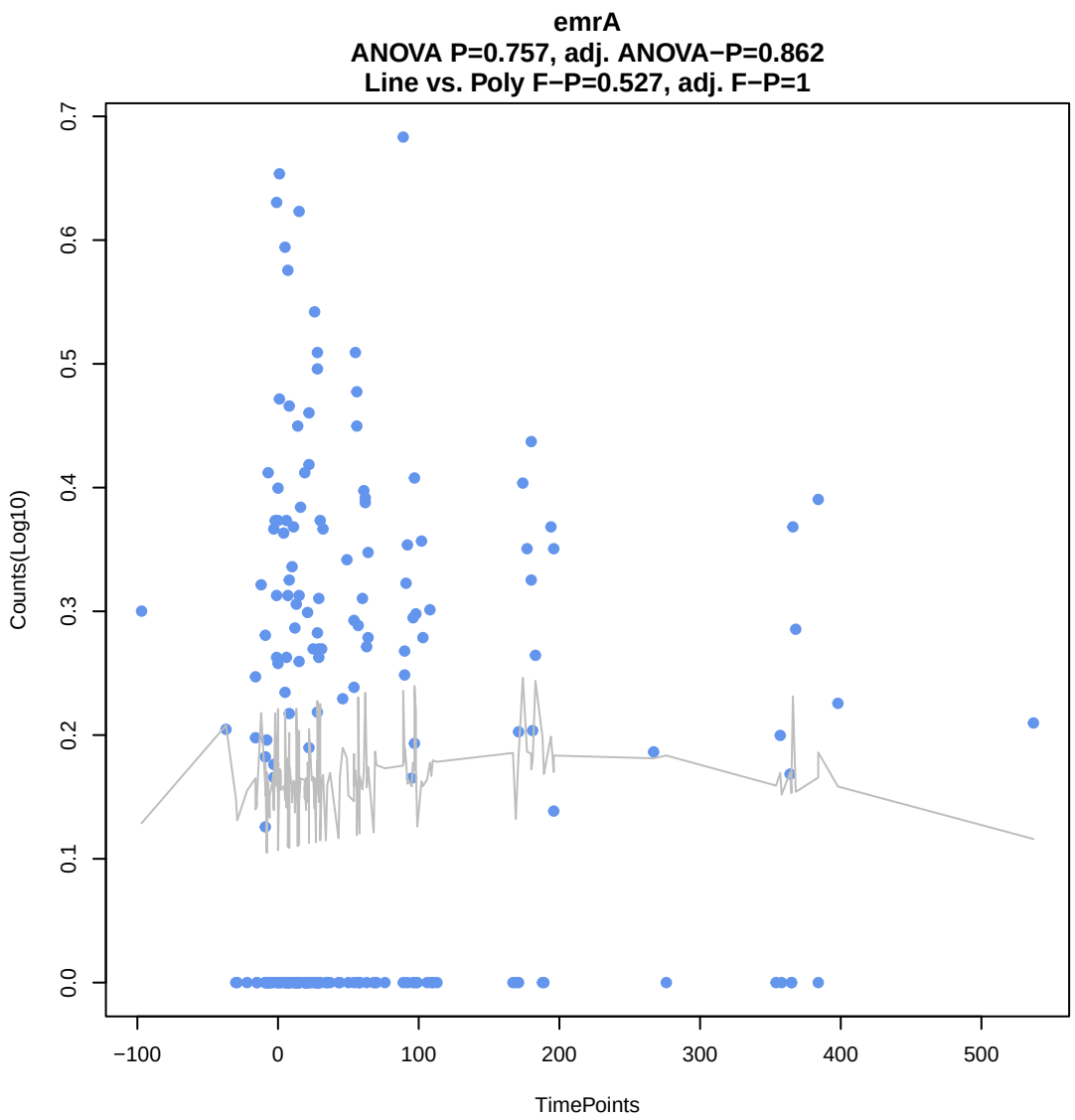

AcrS
ANOVA P=0.117, adj. ANOVA−P=0.57
Line vs. Poly F−P=0.431, adj. F−P=0.923
Counts(Log10)
TimePoints

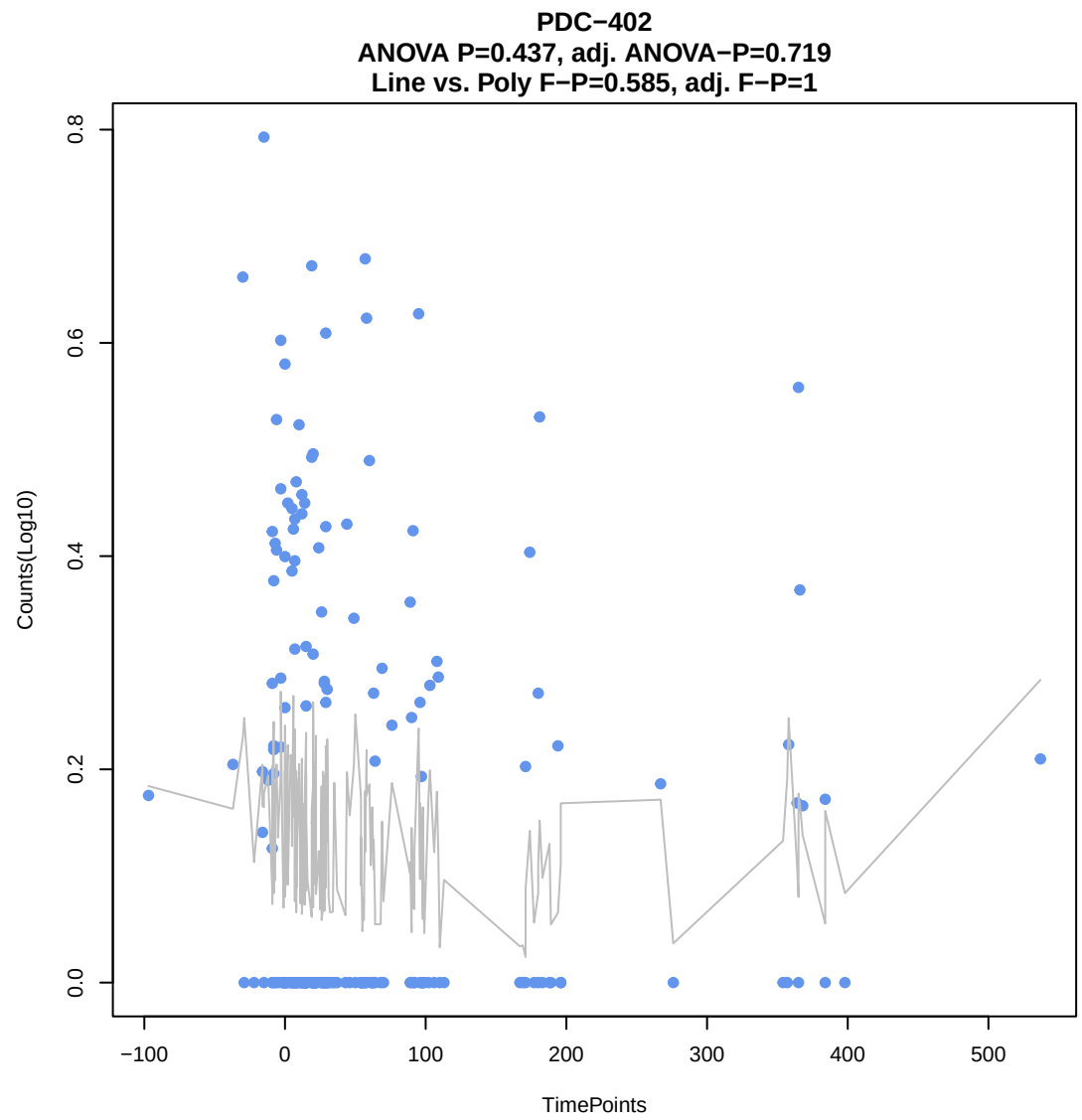

vanR gene in vanD cluster
ANOVA P=0.882, adj. ANOVA−P=0.926
Line vs. Poly F−P=0.473, adj. F−P=0.976
Counts(Log10)
TimePoints

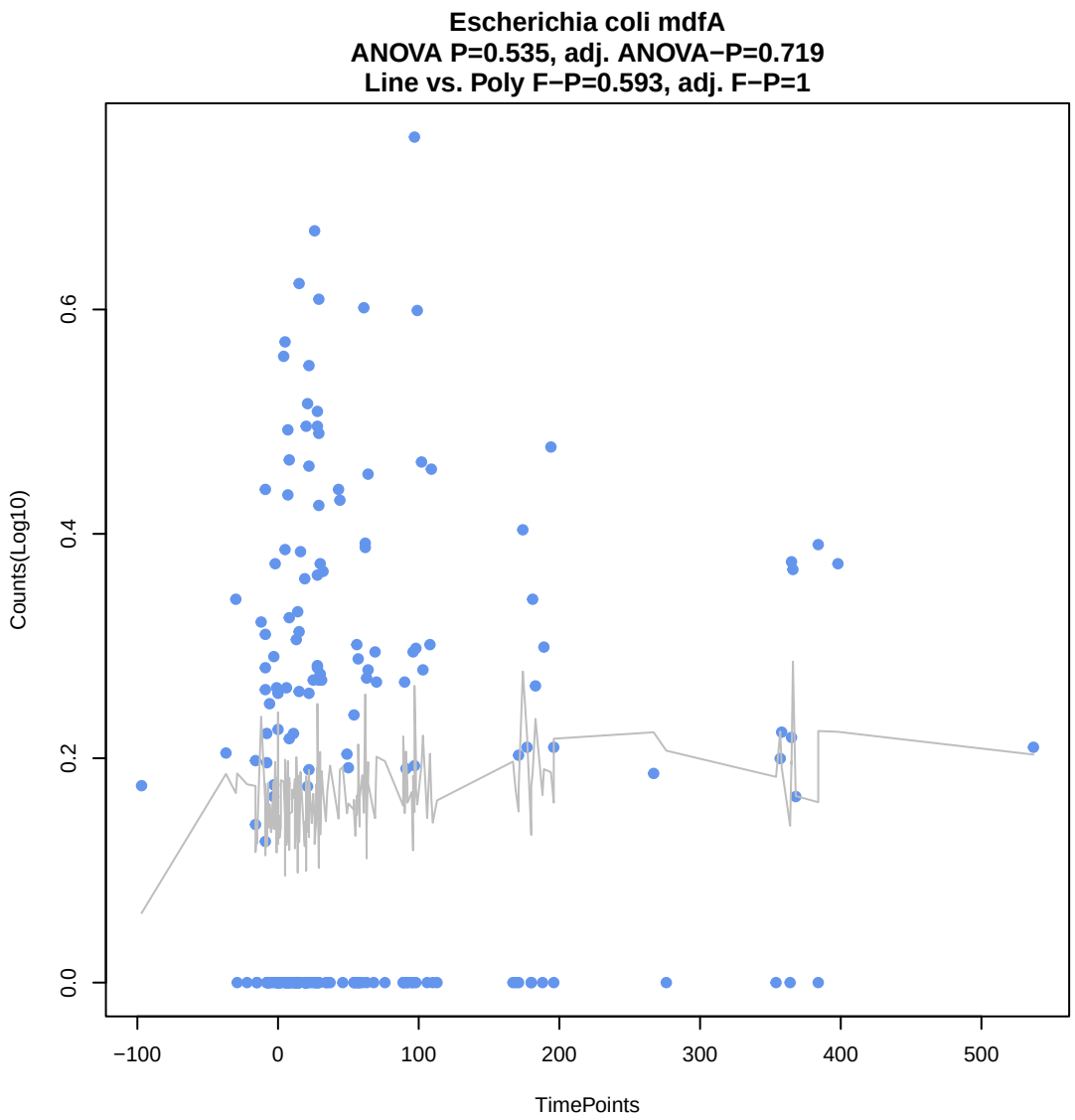

baeR
ANOVA P=0.179, adj. ANOVA−P=0.654
Line vs. Poly F−P=0.485, adj. F−P=0.976
Counts(Log10)
TimePoints

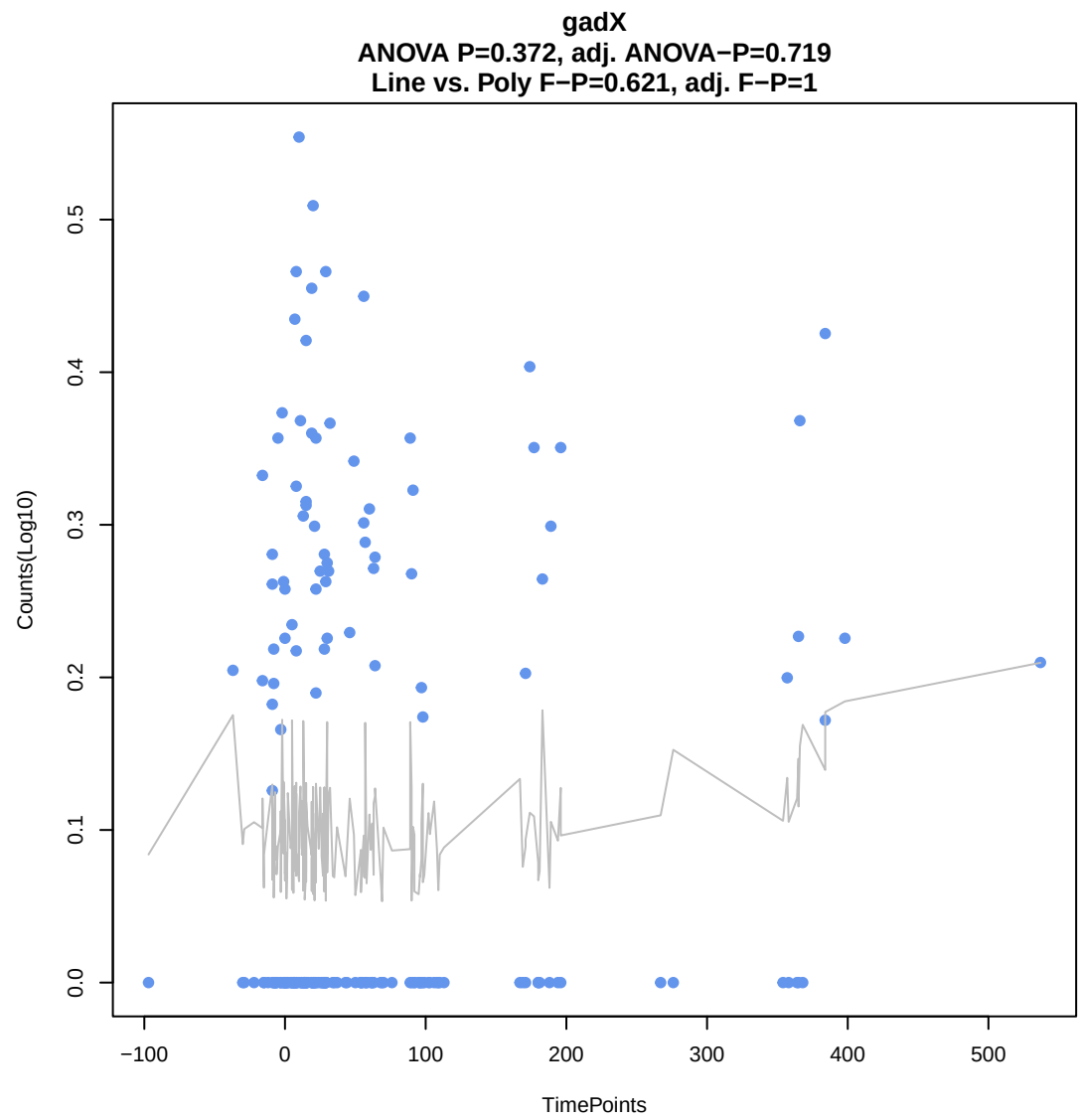

SAT−4
ANOVA P=0.365, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.492, adj. F−P=0.976
Counts(Log10)
TimePoints

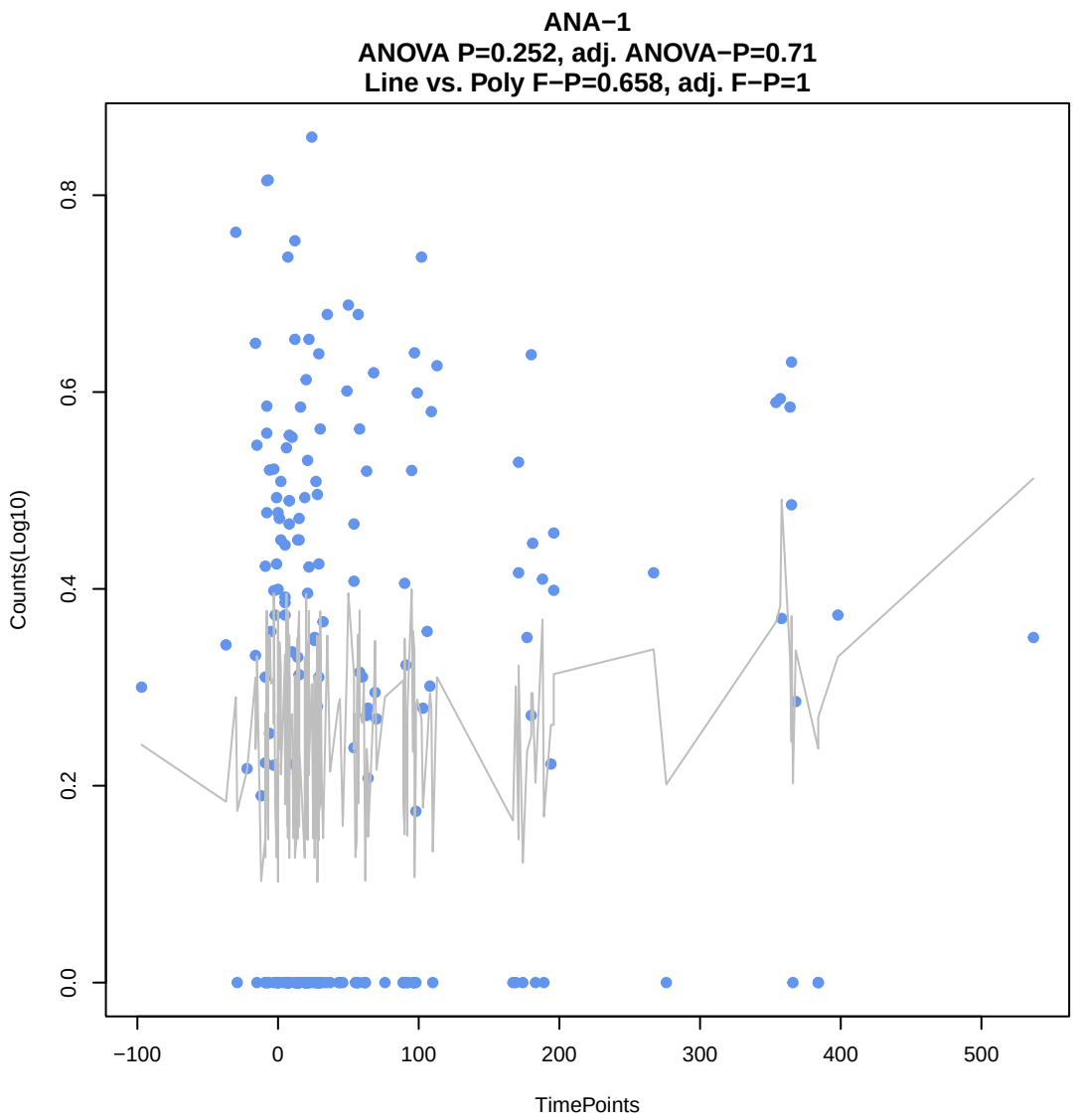

chrB
ANOVA P=0.461, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.492, adj. F−P=0.976
Counts(Log10)
TimePoints

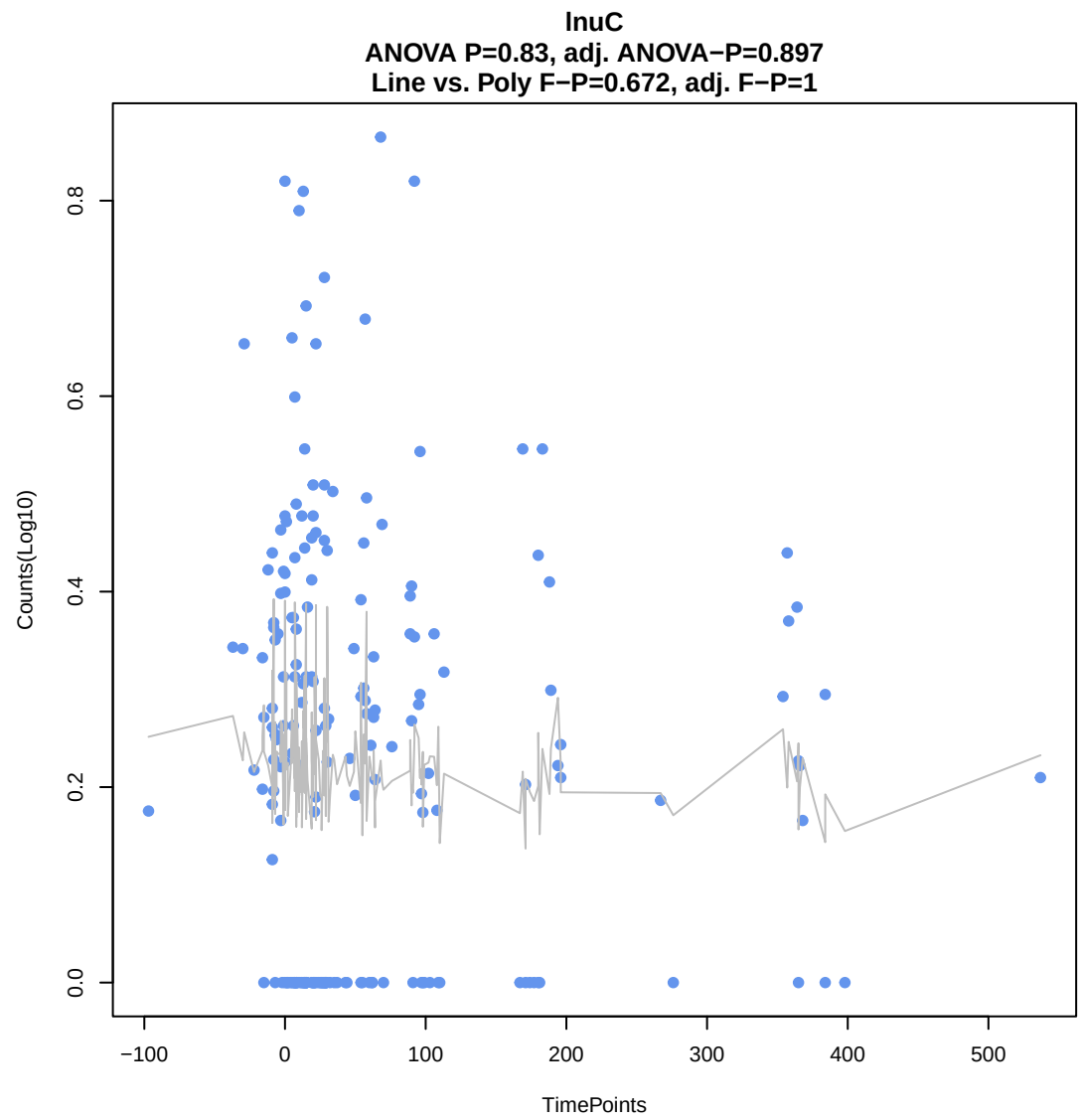

emrA
ANOVA P=0.757, adj. ANOVA−P=0.862
Line vs. Poly F−P=0.527, adj. F−P=1
Counts(Log10)
TimePoints

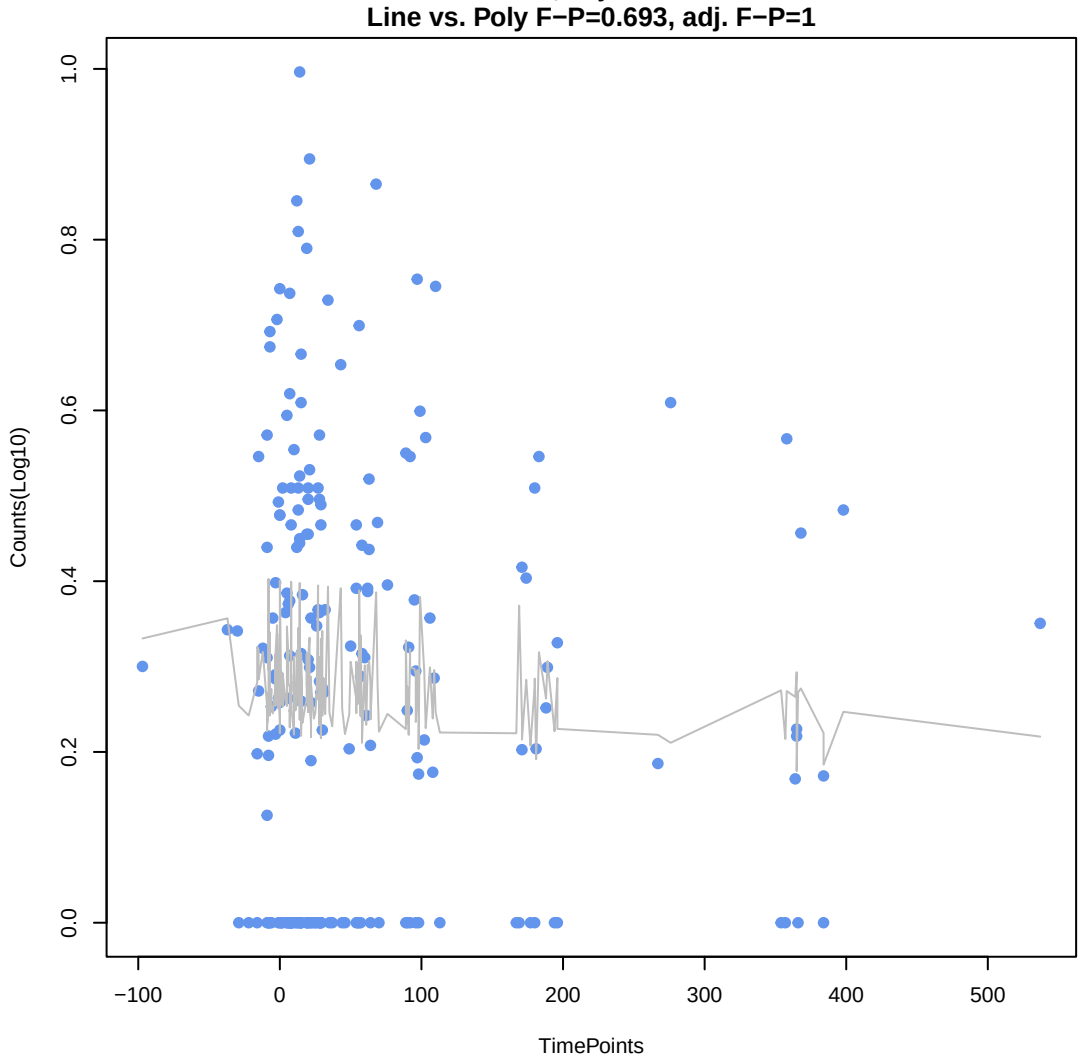

PDC−402
ANOVA P=0.437, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.585, adj. F−P=1
Counts(Log10)
TimePoints

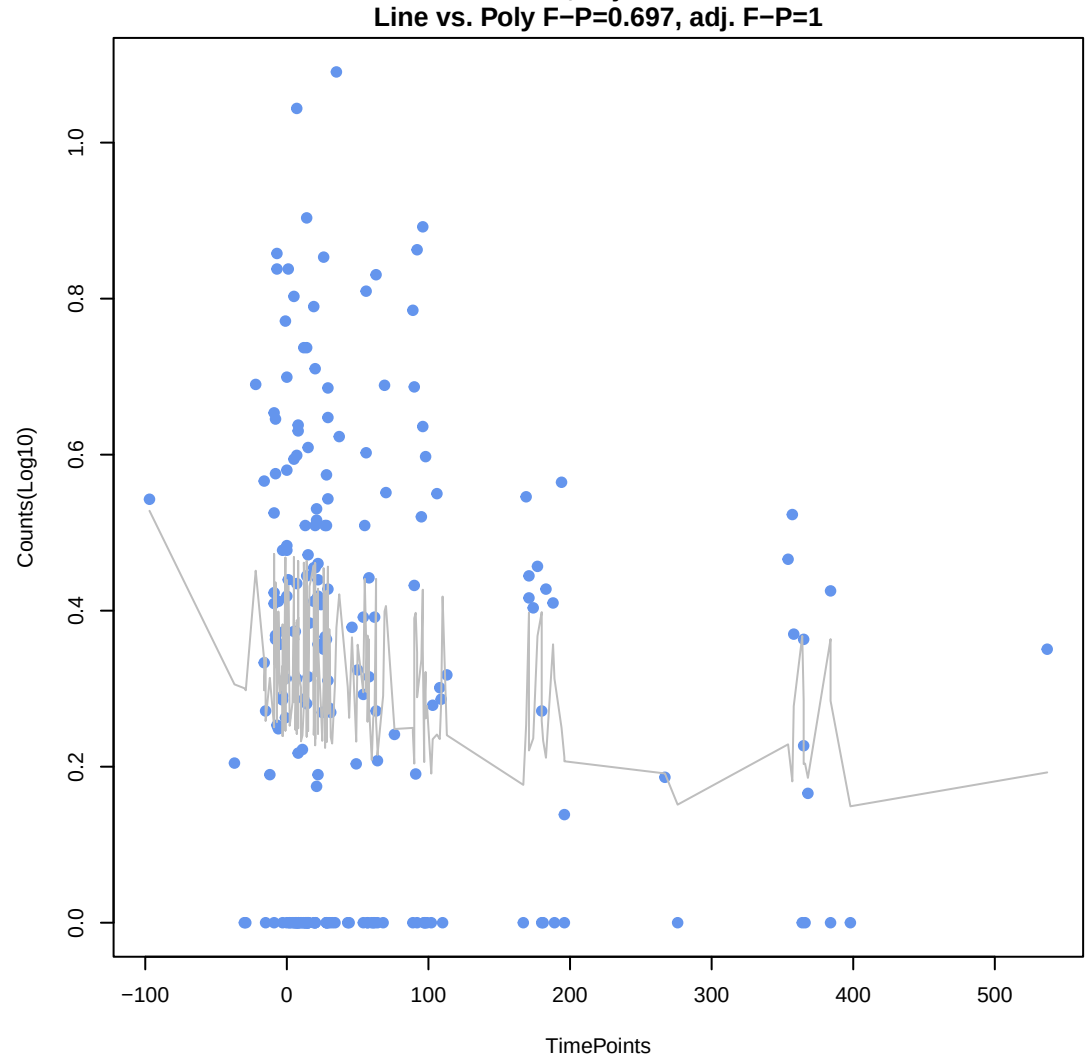

Escherichia coli mdfA
ANOVA P=0.535, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.593, adj. F−P=1
Counts(Log10)
TimePoints

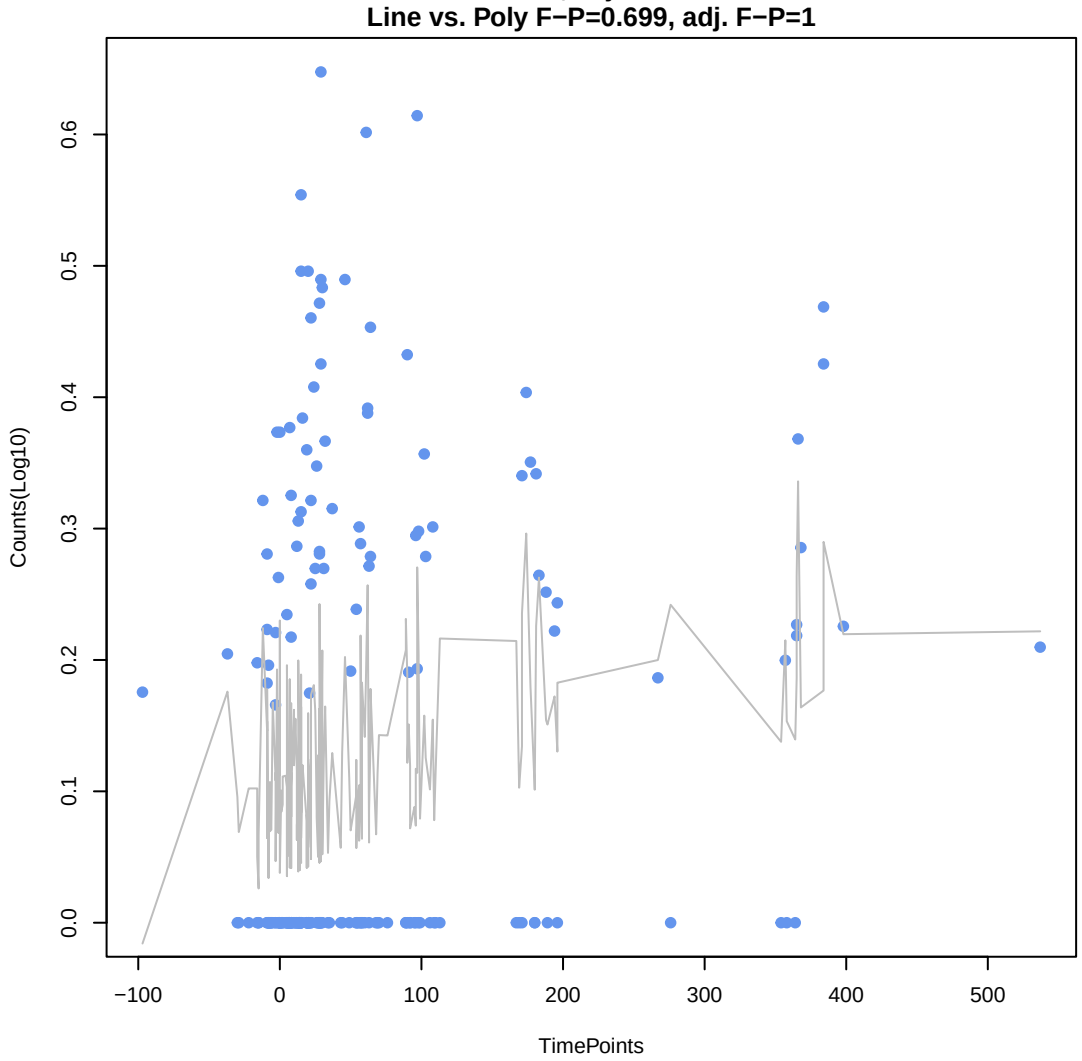

gadX
ANOVA P=0.372, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.621, adj. F−P=1
Counts(Log10)
TimePoints

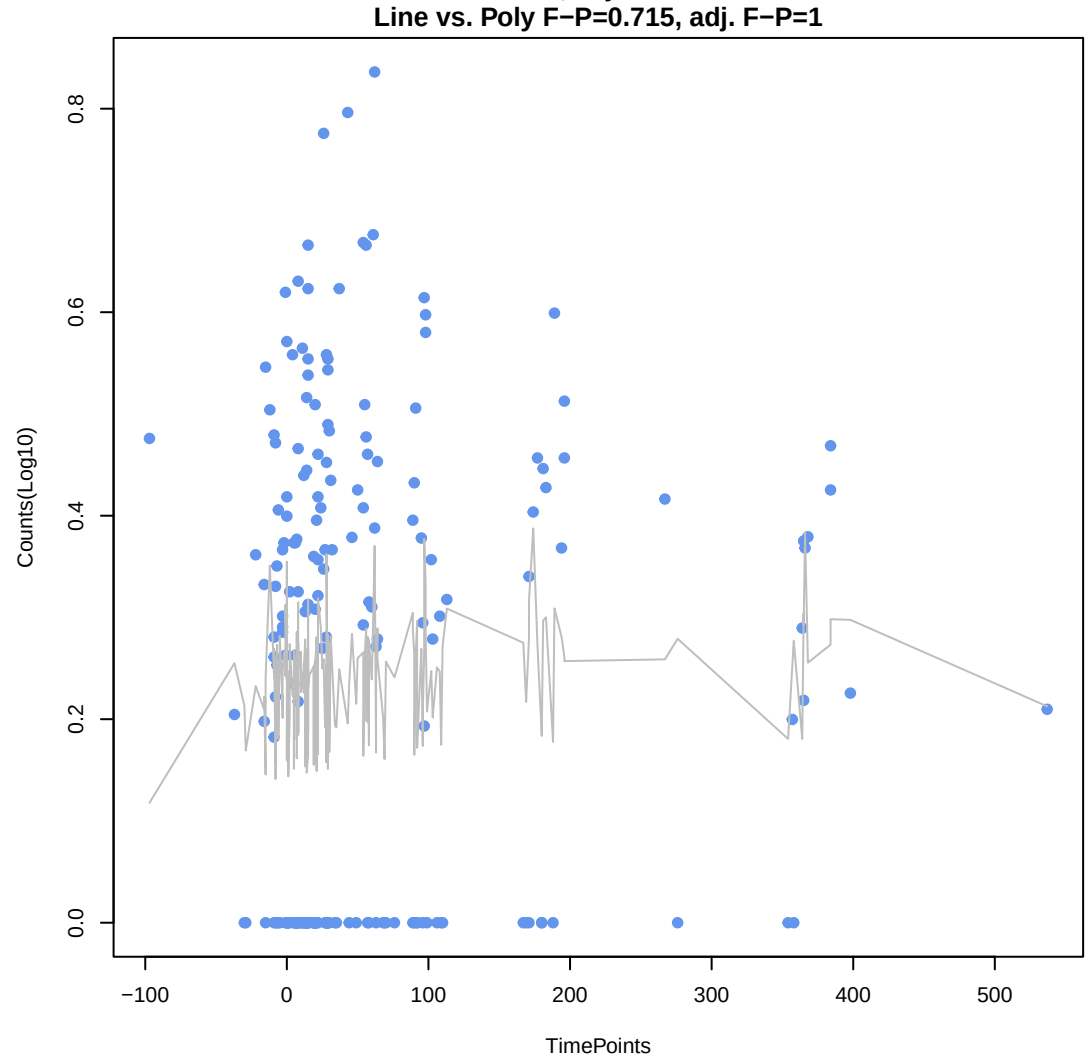

ANA−1
ANOVA P=0.252, adj. ANOVA−P=0.71
Line vs. Poly F−P=0.658, adj. F−P=1
Counts(Log10)
TimePoints

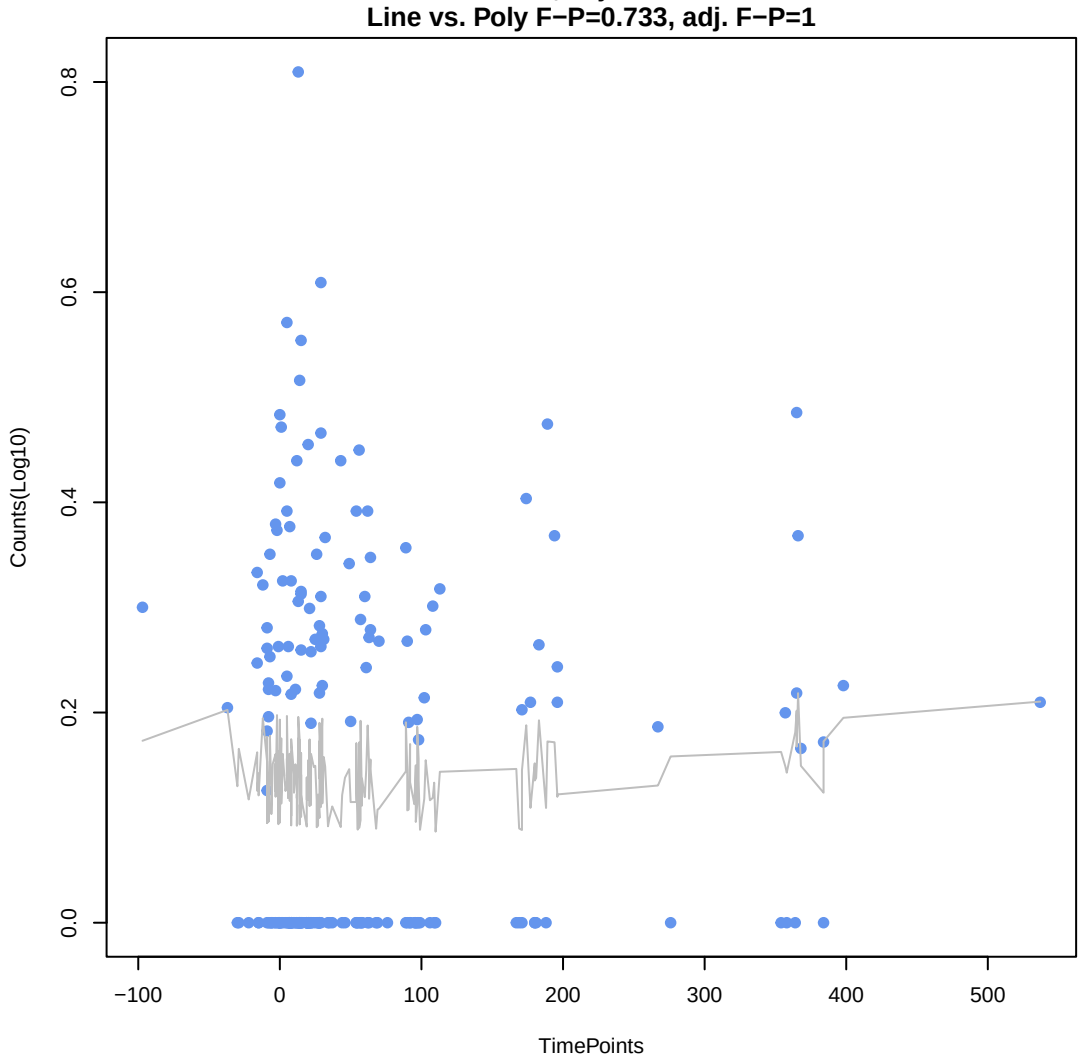

lnuC
ANOVA P=0.83, adj. ANOVA−P=0.897
Line vs. Poly F−P=0.672, adj. F−P=1
Counts(Log10)
TimePoints

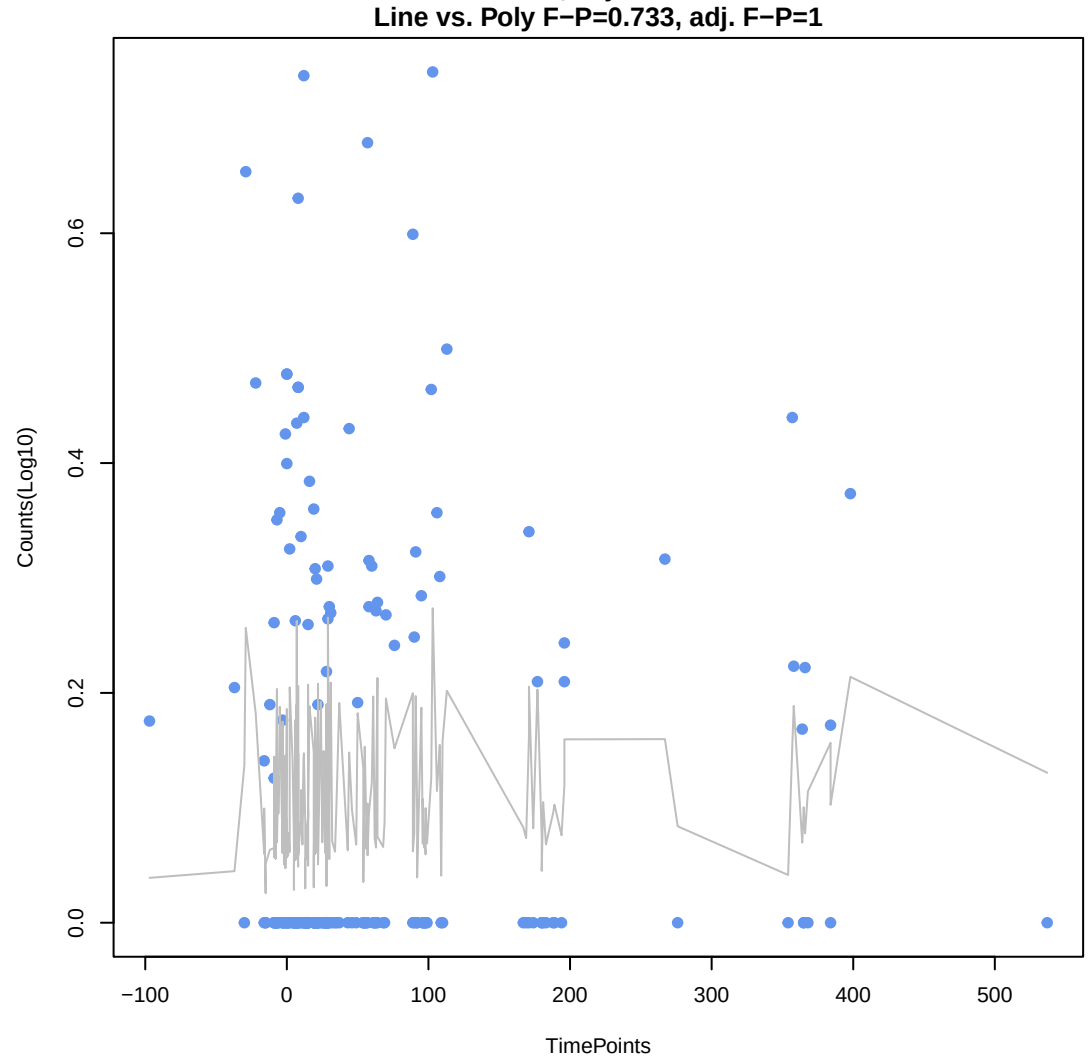

efrB
ANOVA P=0.737, adj. ANOVA−P=0.851
Line vs. Poly F−P=0.693, adj. F−P=1
Counts(Log10)
TimePoints

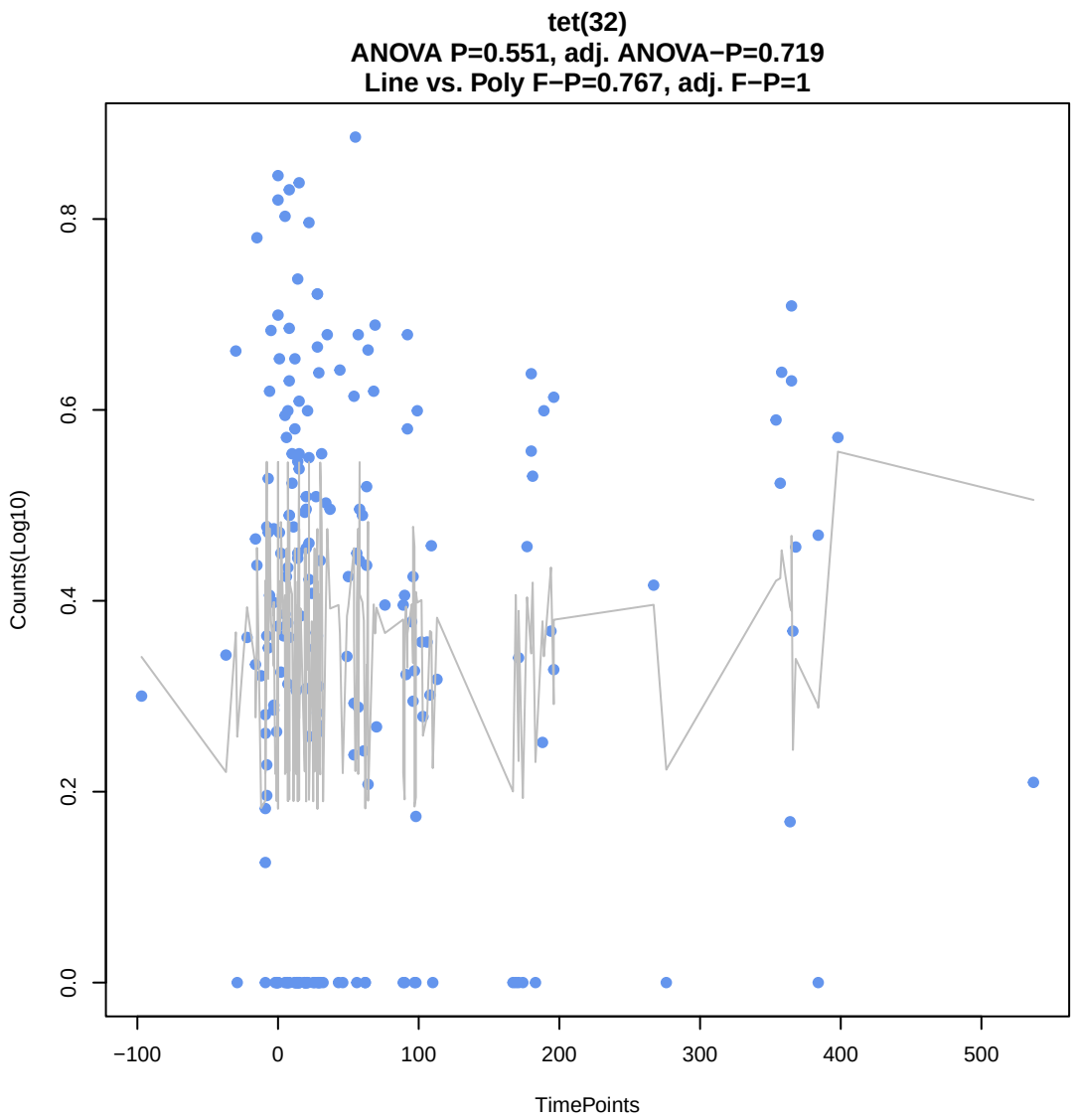

Bifidobacterium adolescentis rpoB mutants conferring resistance to rifampicin
ANOVA P=0.247, adj. ANOVA−P=0.71
Line vs. Poly F−P=0.697, adj. F−P=1
Counts(Log10)
TimePoints

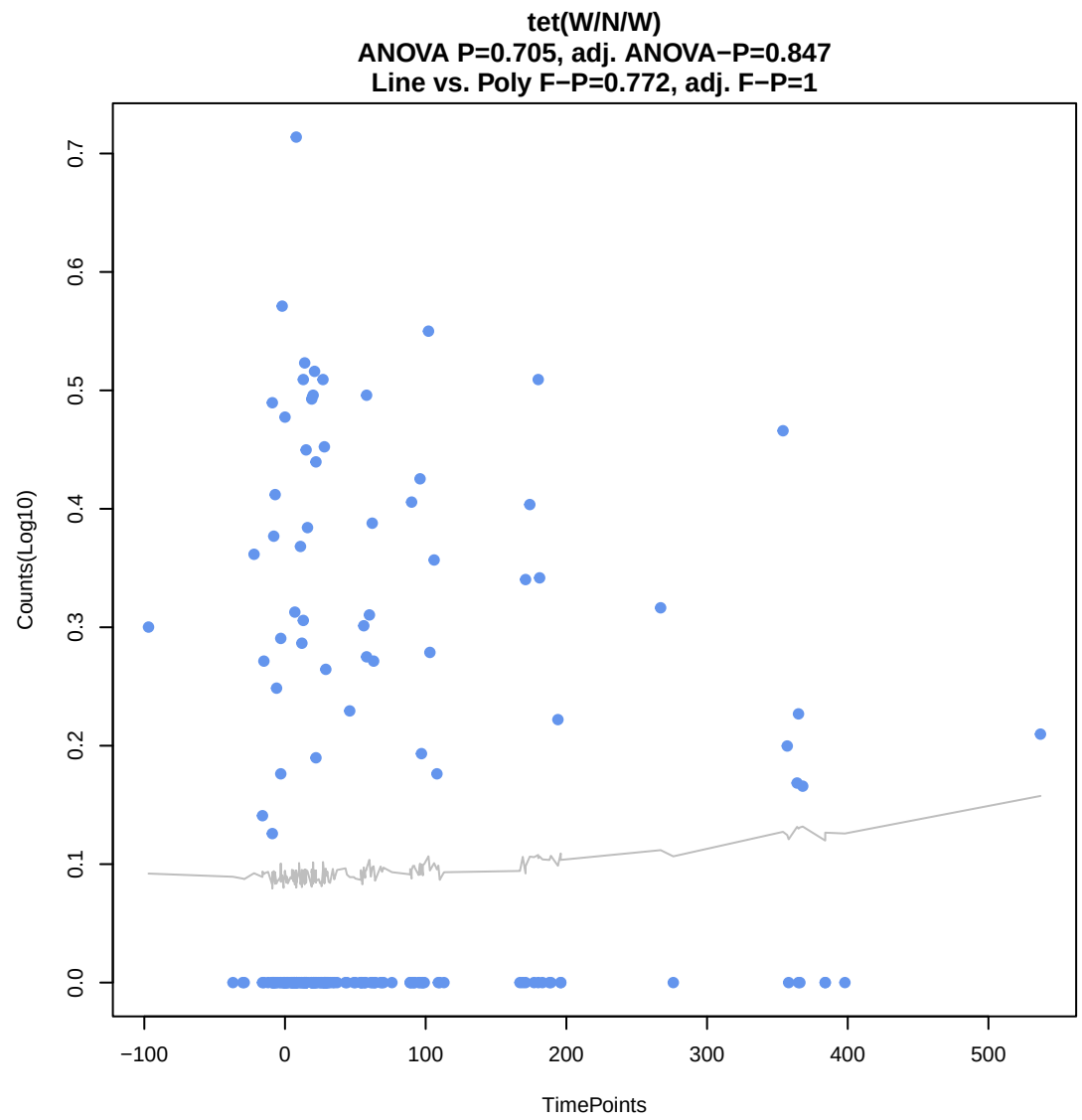

scherichia coli AcrAB−TolC with MarR mutations conferring resistance to ciprofloxacin and
ANOVA P=0.0268, adj. ANOVA−P=0.367
Line vs. Poly F−P=0.699, adj. F−P=1
Counts(Log10)
TimePoints

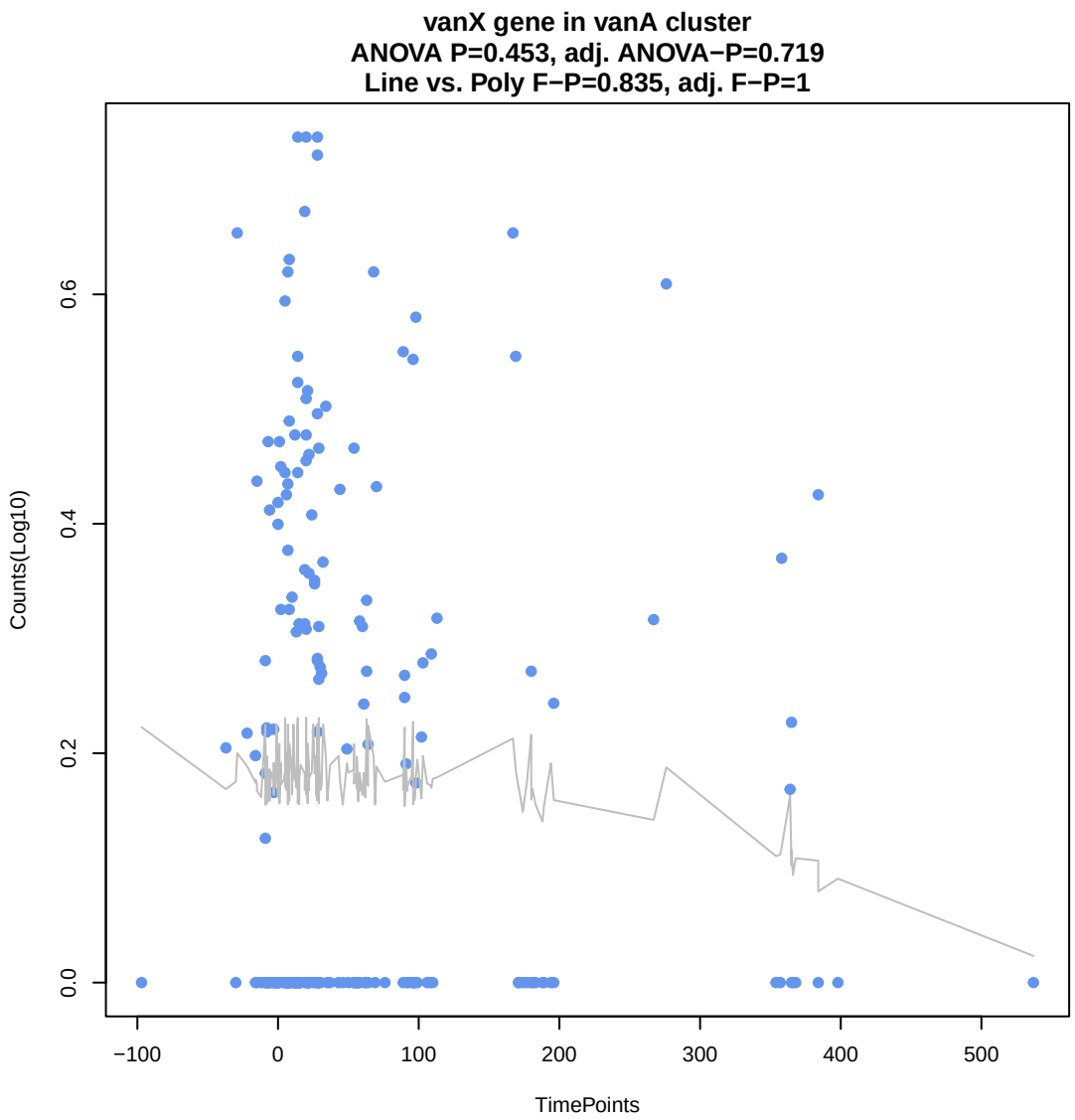

msbA
ANOVA P=0.739, adj. ANOVA−P=0.851
Line vs. Poly F−P=0.715, adj. F−P=1
Counts(Log10)
TimePoints

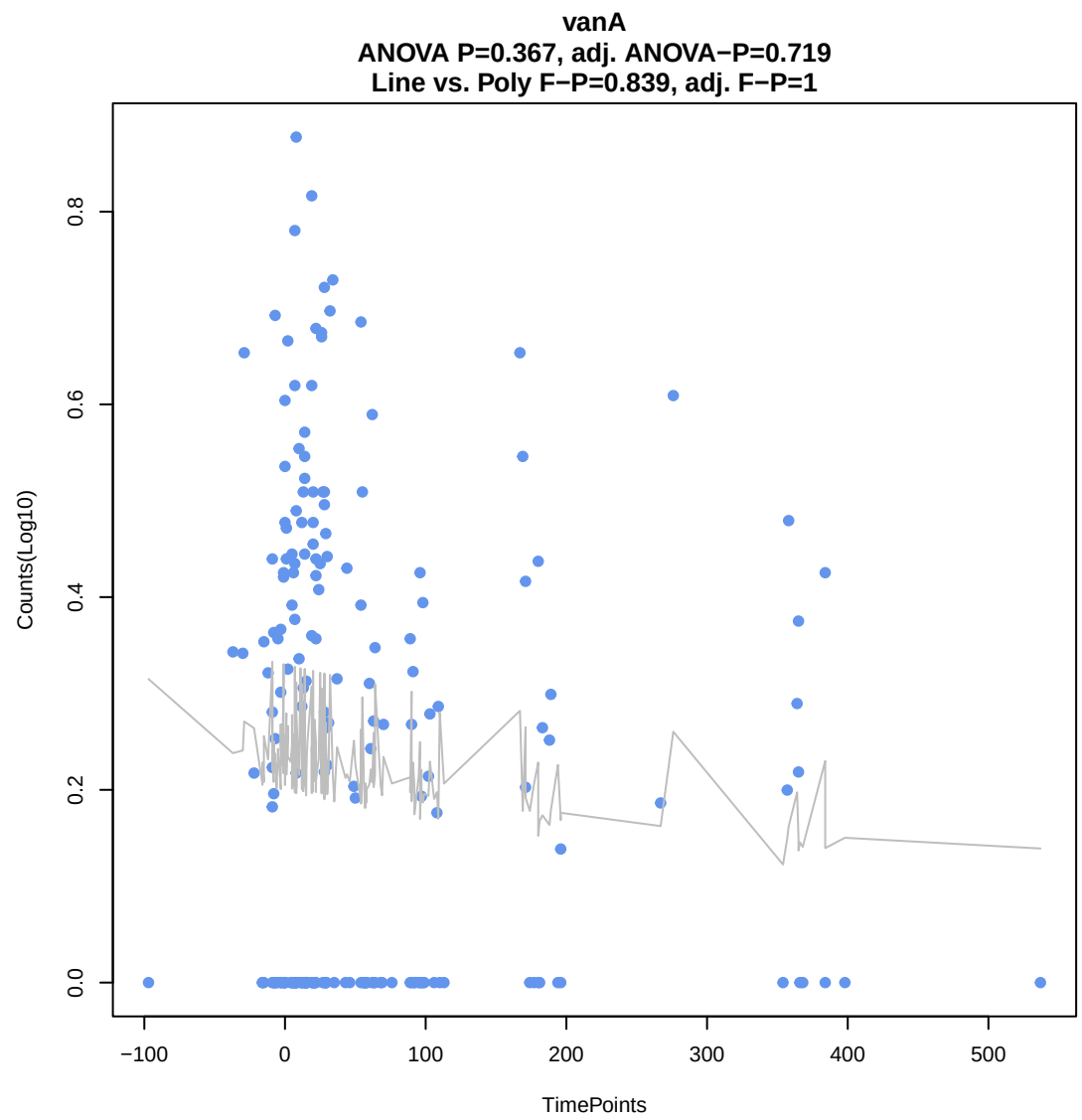

Escherichia coli acrA
ANOVA P=0.733, adj. ANOVA−P=0.851
Line vs. Poly F−P=0.733, adj. F−P=1
Counts(Log10)
TimePoints

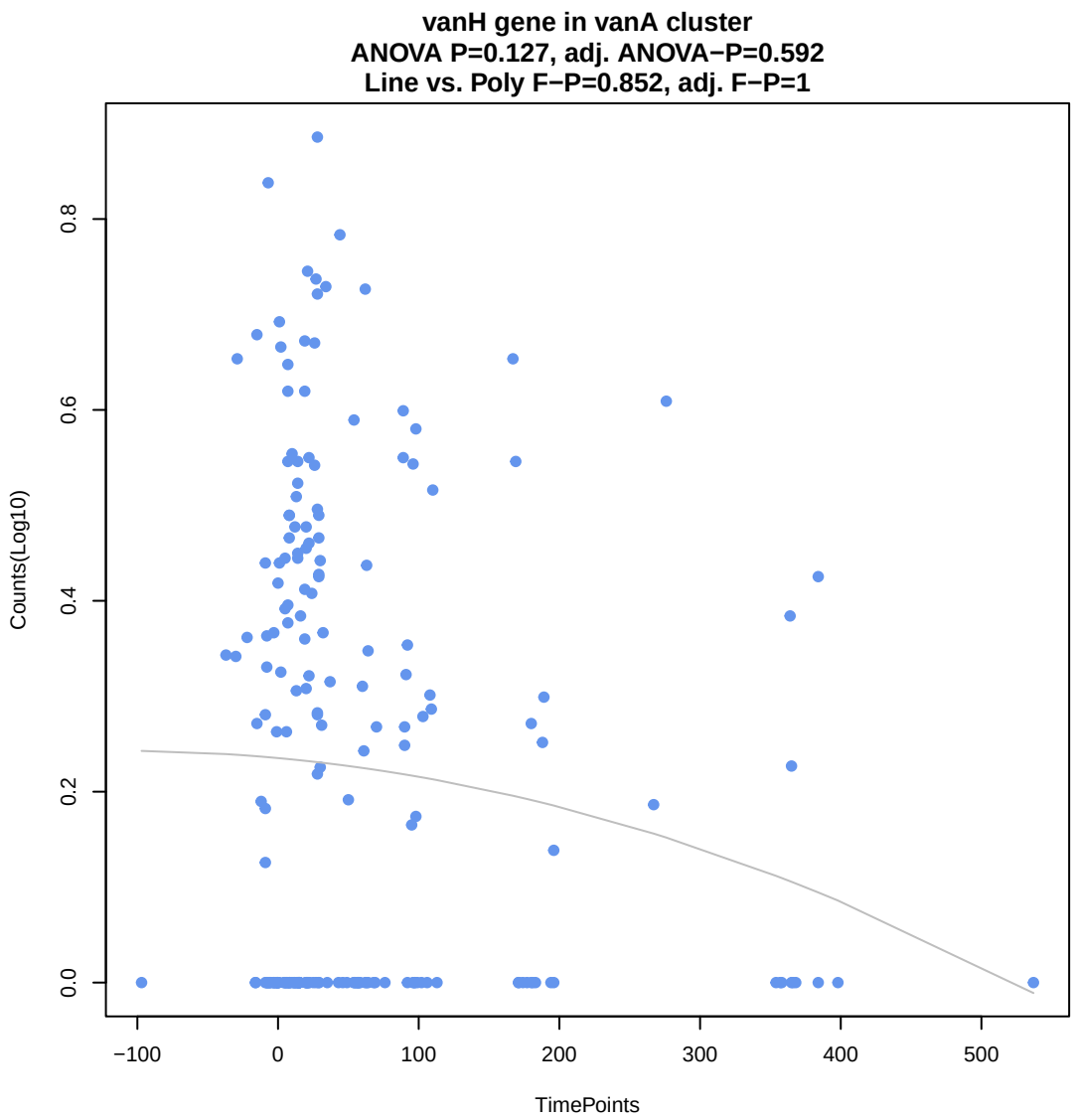

vanX gene in vanD cluster
ANOVA P=0.873, adj. ANOVA−P=0.925
Line vs. Poly F−P=0.733, adj. F−P=1
Counts(Log10)
TimePoints

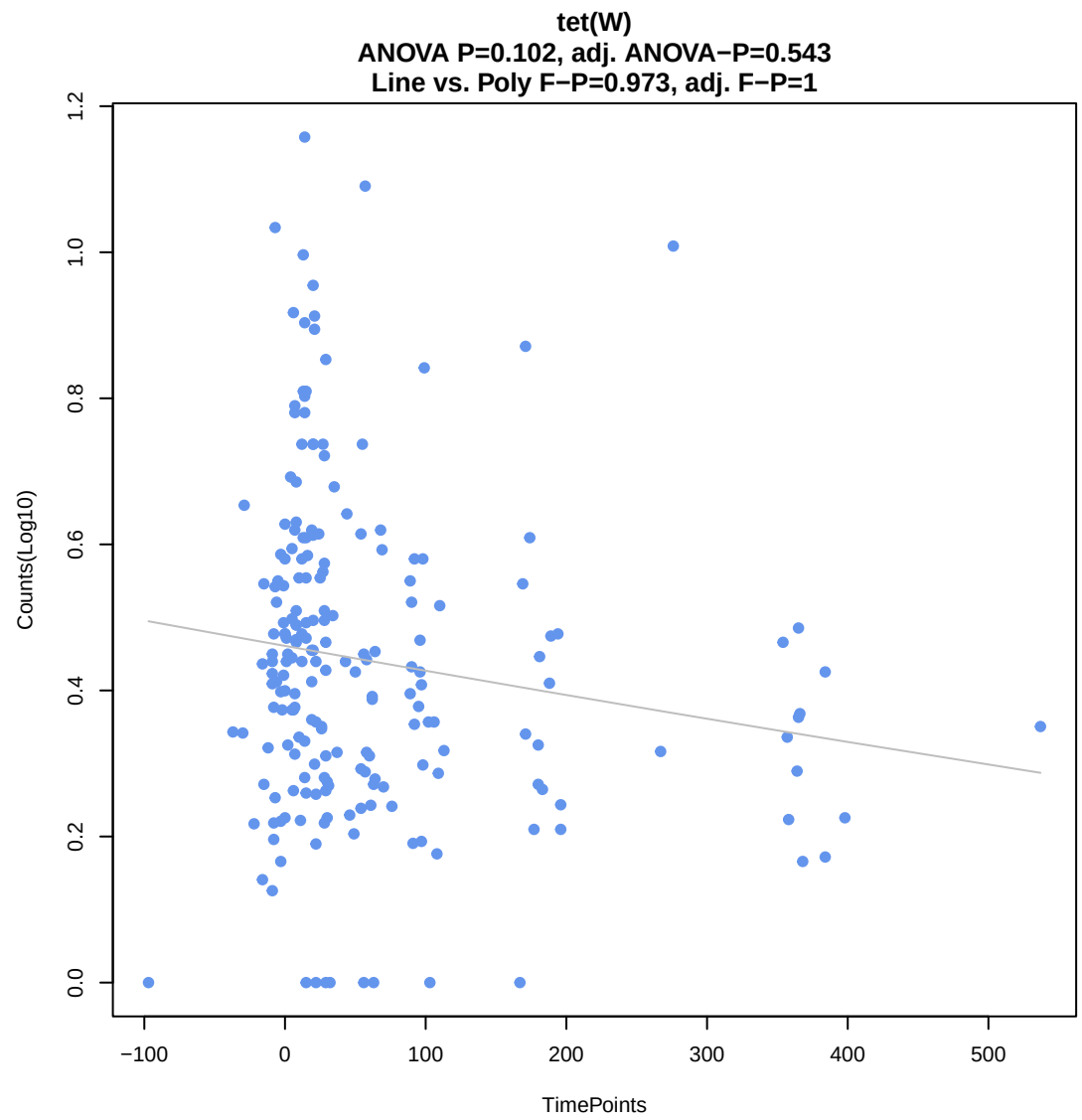

tet(32)
ANOVA P=0.551, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.767, adj. F−P=1
Counts(Log10)
TimePoints

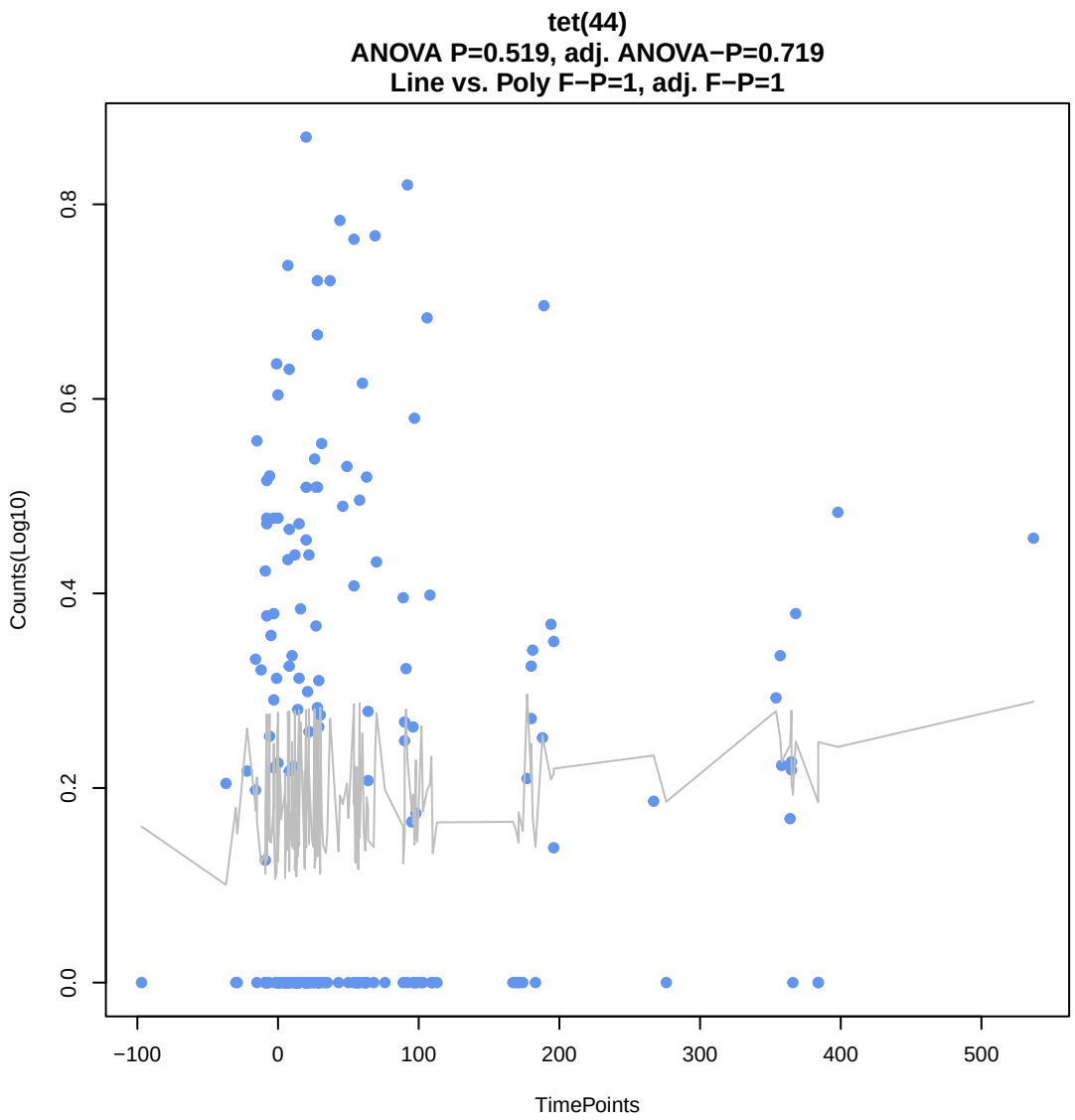

tet(W/N/W)
ANOVA P=0.705, adj. ANOVA−P=0.847
Line vs. Poly F−P=0.772, adj. F−P=1
Counts(Log10)
TimePoints

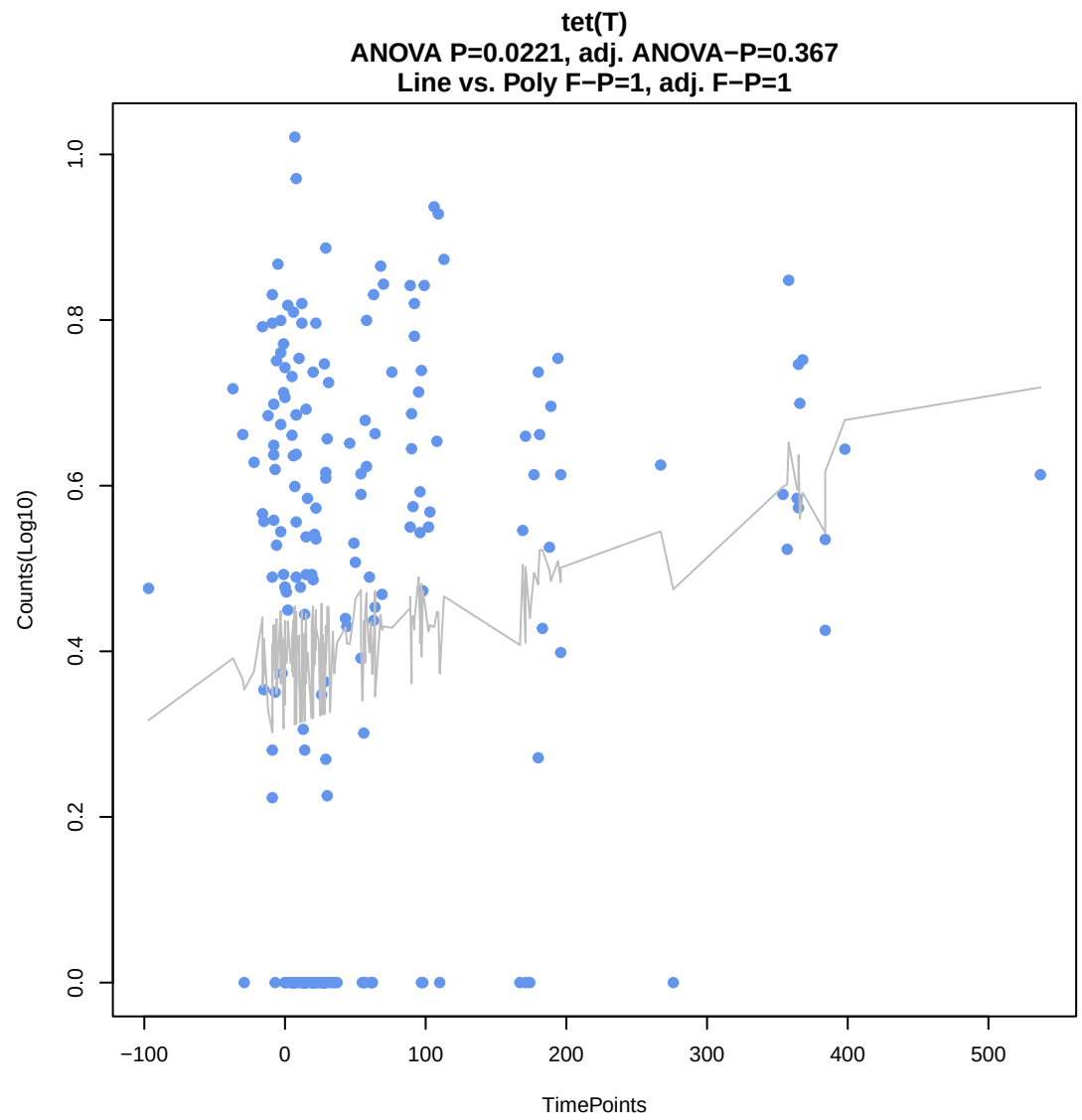

vanX gene in vanA cluster
ANOVA P=0.453, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.835, adj. F−P=1
Counts(Log10)
TimePoints

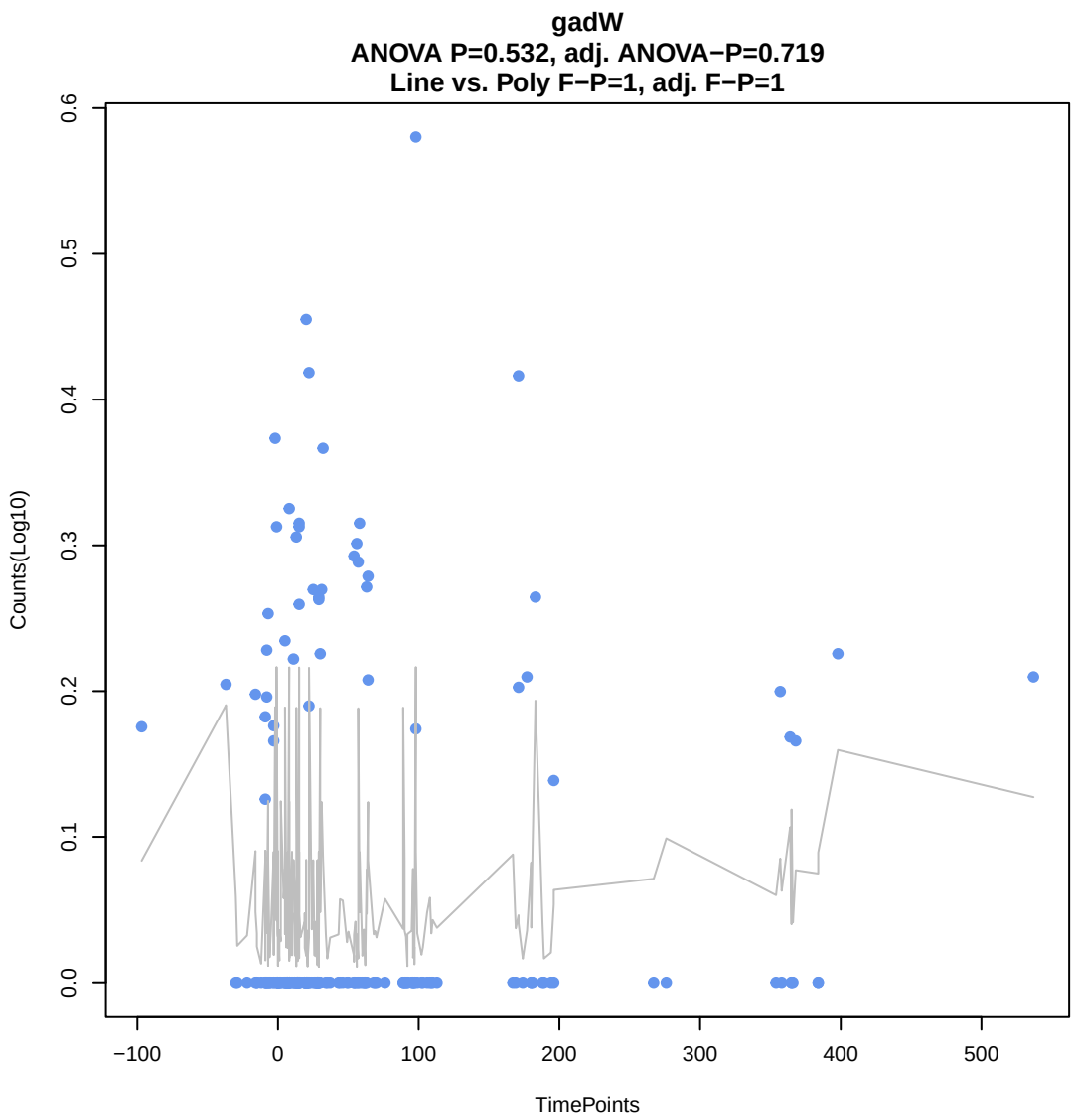

vanA
ANOVA P=0.367, adj. ANOVA−P=0.719
Line vs. Poly F−P=0.839, adj. F−P=1
Counts(Log10)
TimePoints

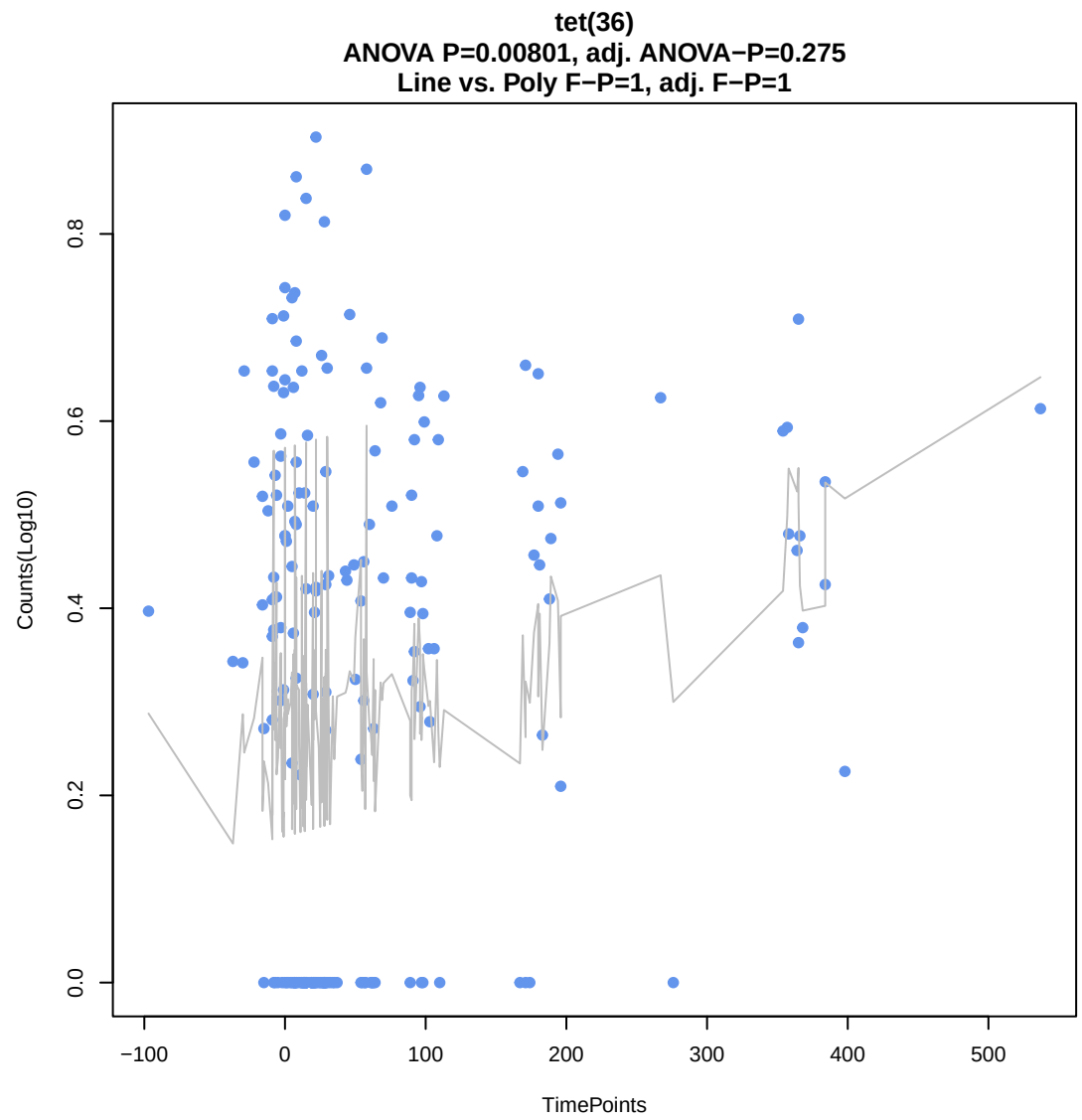

vanH gene in vanA cluster
ANOVA P=0.127, adj. ANOVA−P=0.592
Line vs. Poly F−P=0.852, adj. F−P=1
Counts(Log10)
TimePoints

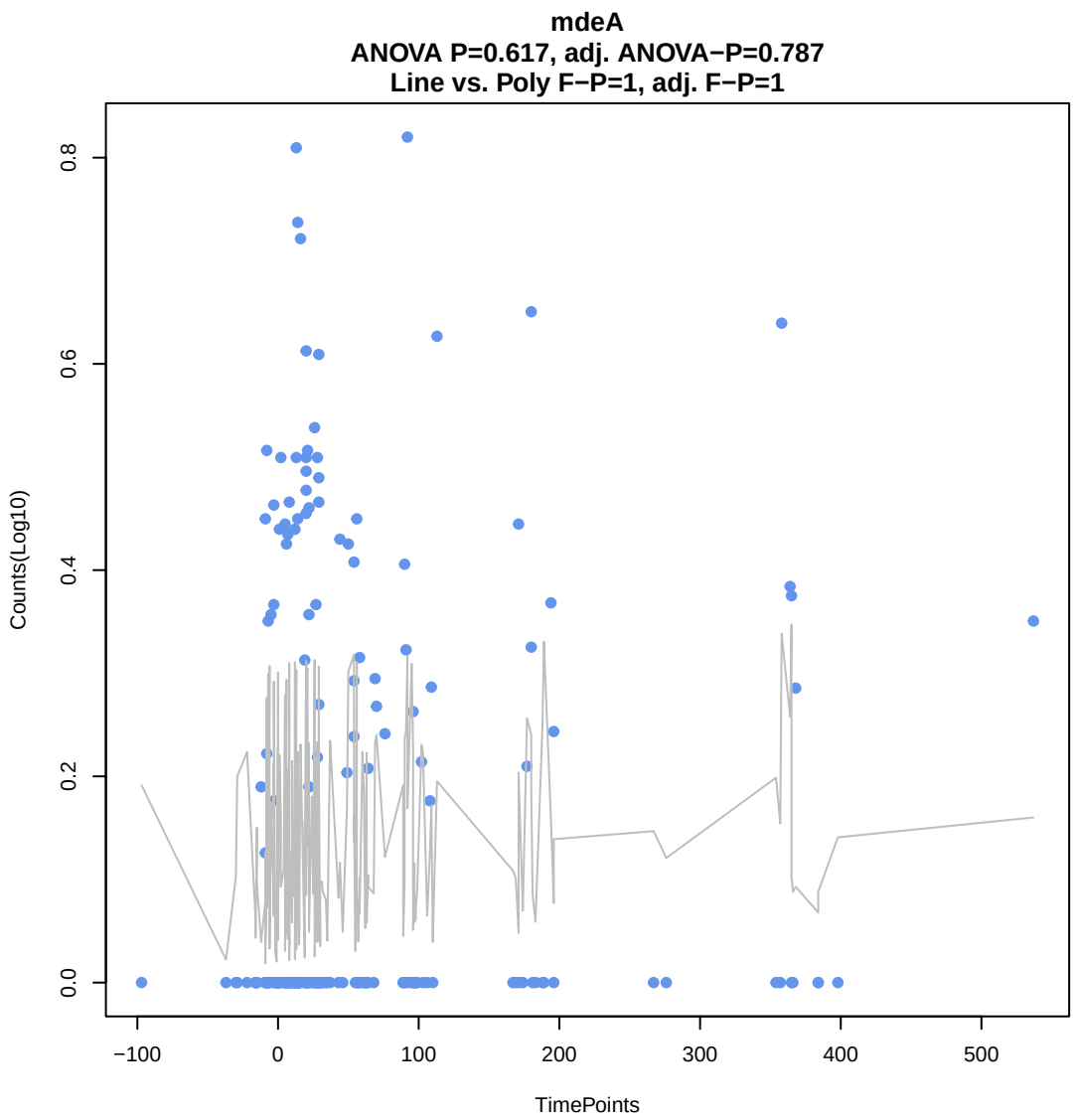

tet(W)
ANOVA P=0.102, adj. ANOVA−P=0.543
Line vs. Poly F−P=0.973, adj. F−P=1
Counts(Log10)
TimePoints

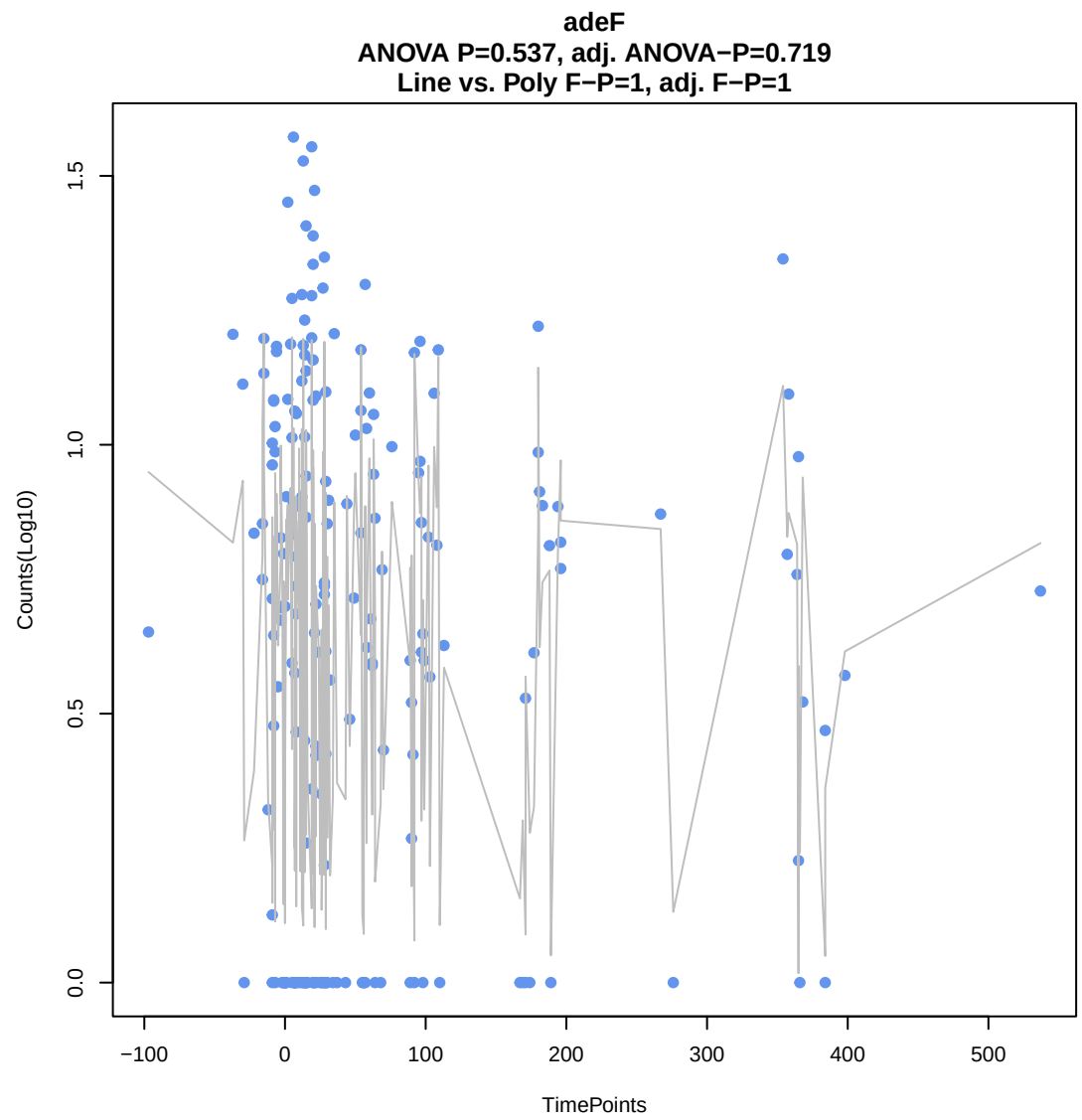

tet(44)
ANOVA P=0.519, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

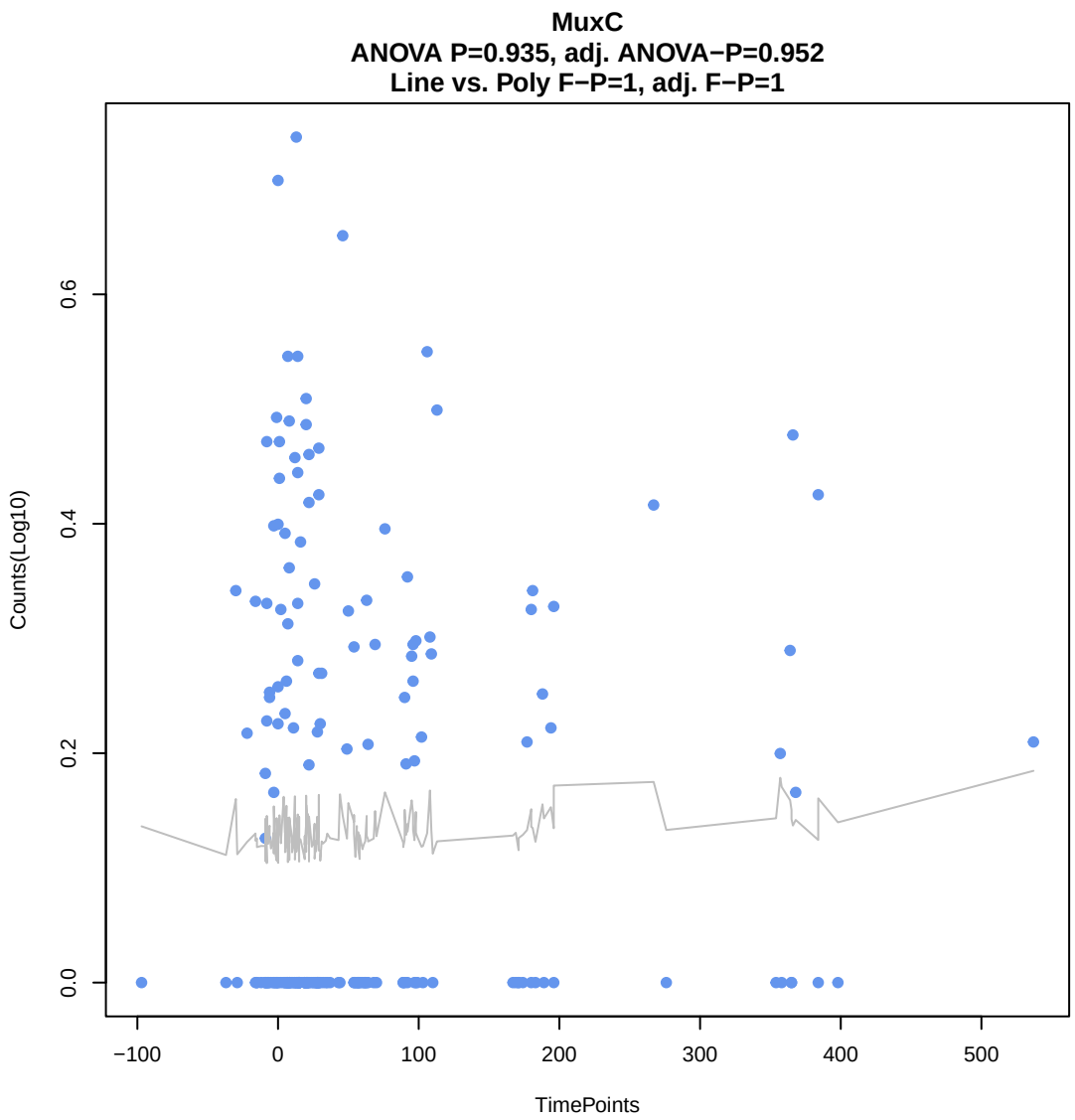

tet(T)
ANOVA P=0.0221, adj. ANOVA−P=0.367
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

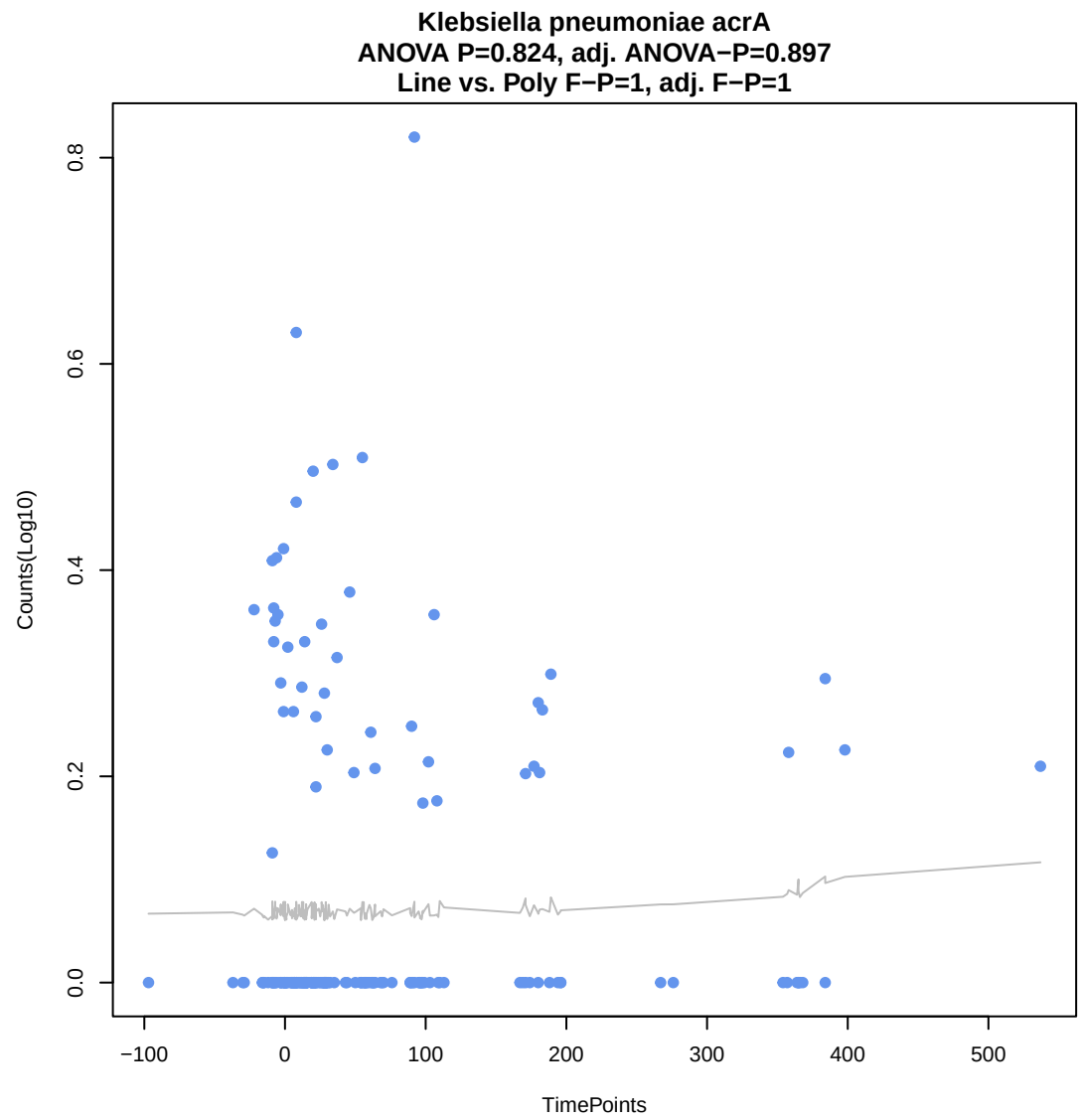

gadW
ANOVA P=0.532, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

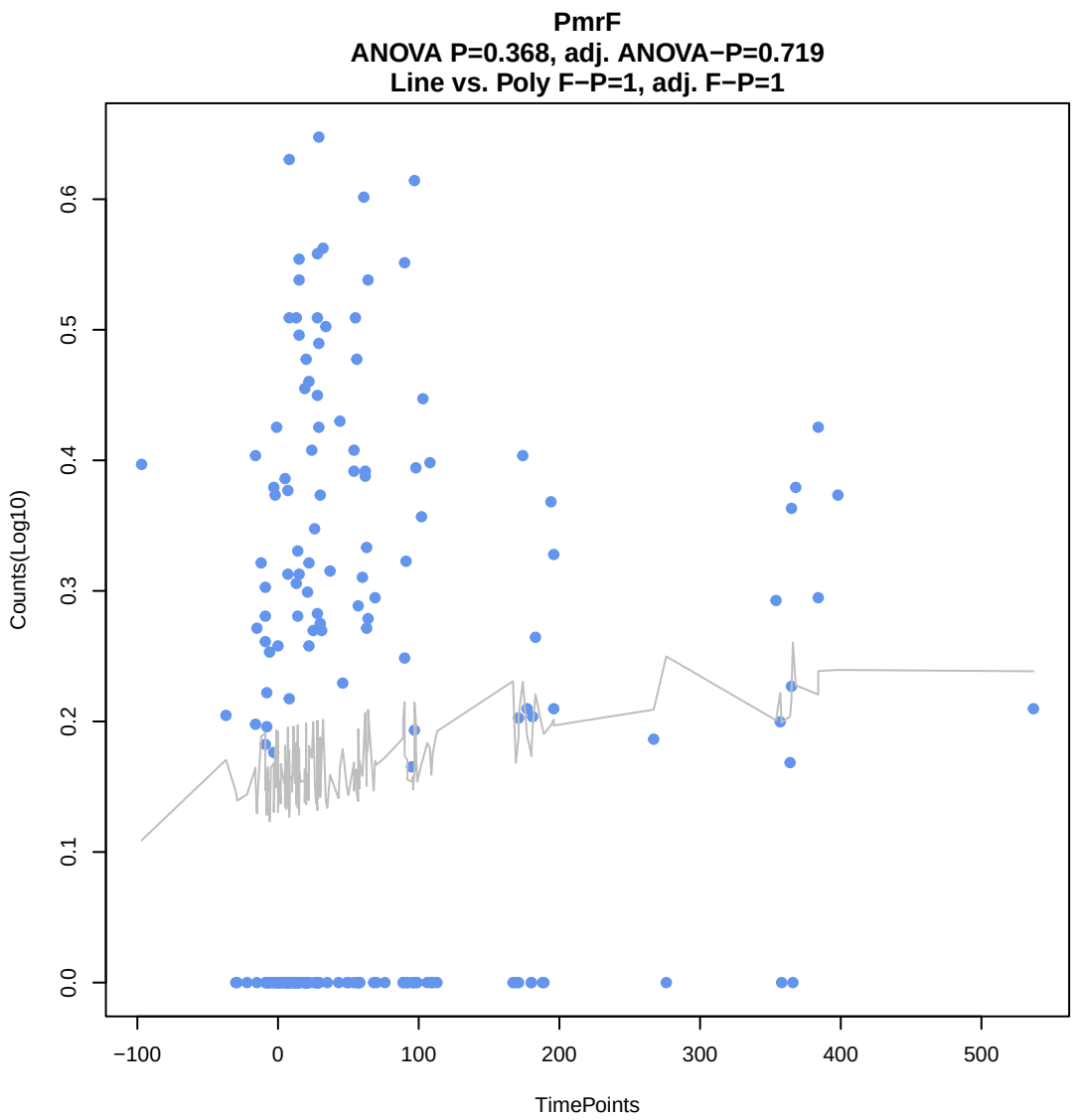

tet(36)
ANOVA P=0.00801, adj. ANOVA−P=0.275
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

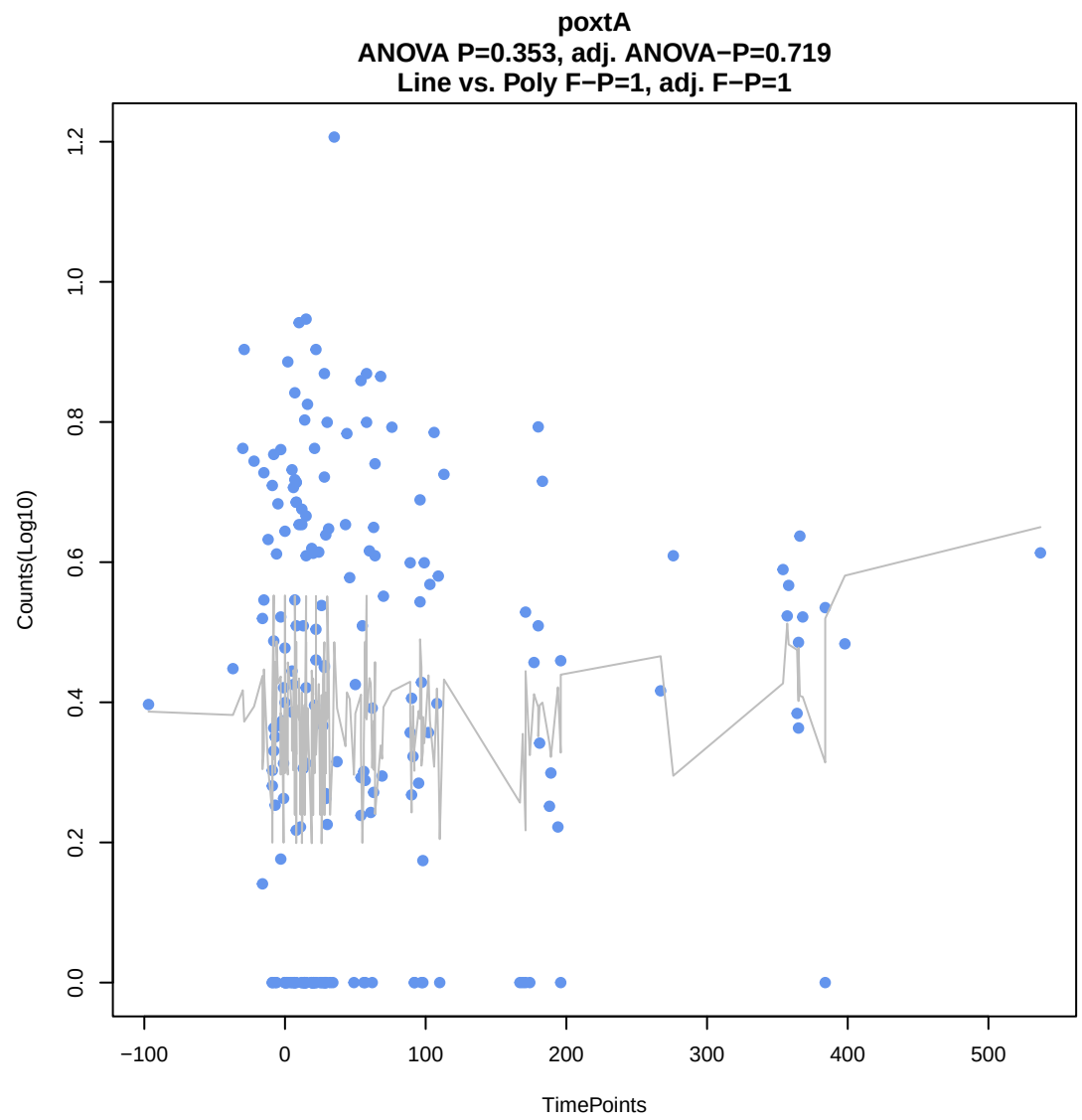

mdeA
ANOVA P=0.617, adj. ANOVA−P=0.787
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

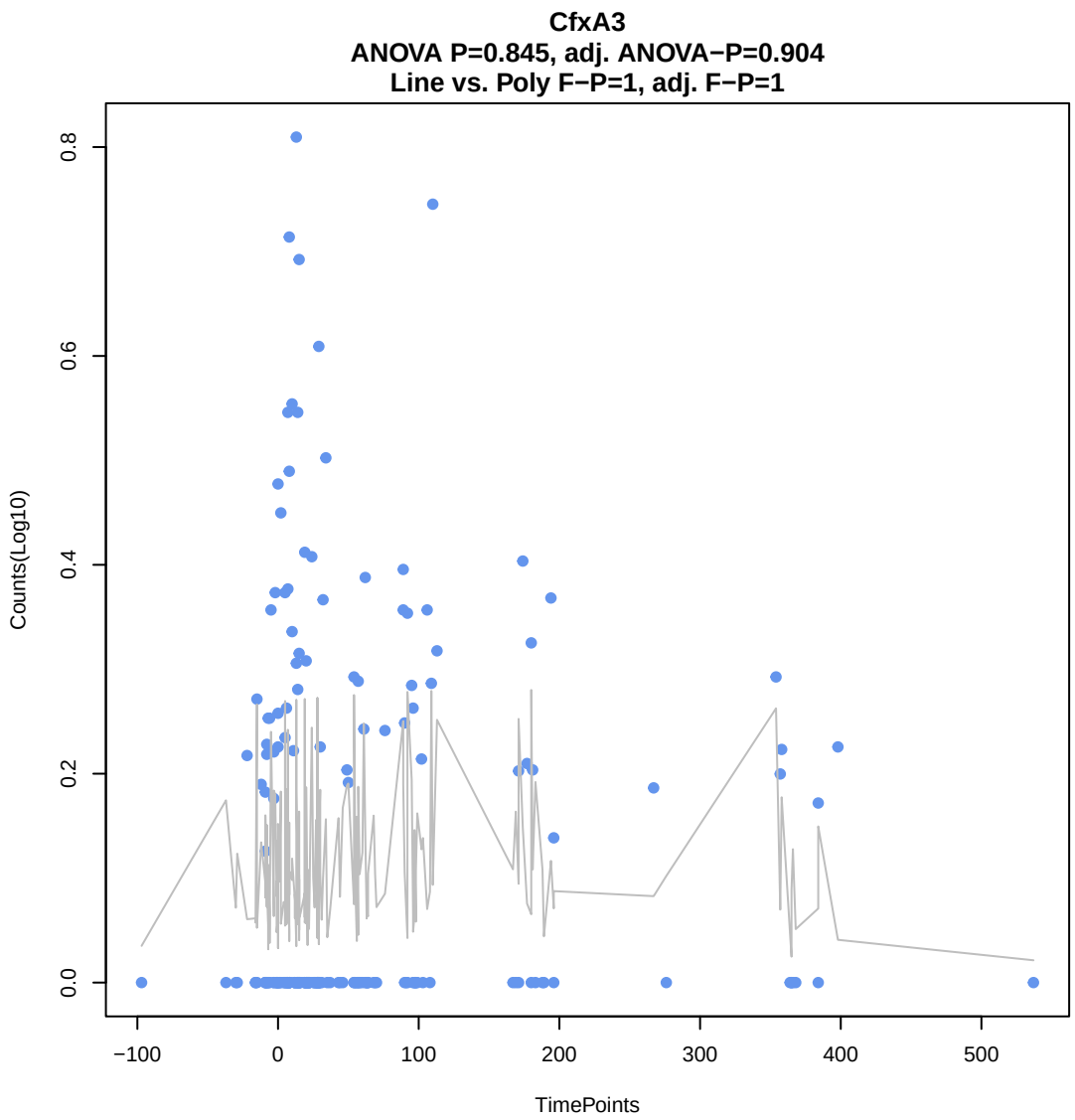

adeF
ANOVA P=0.537, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

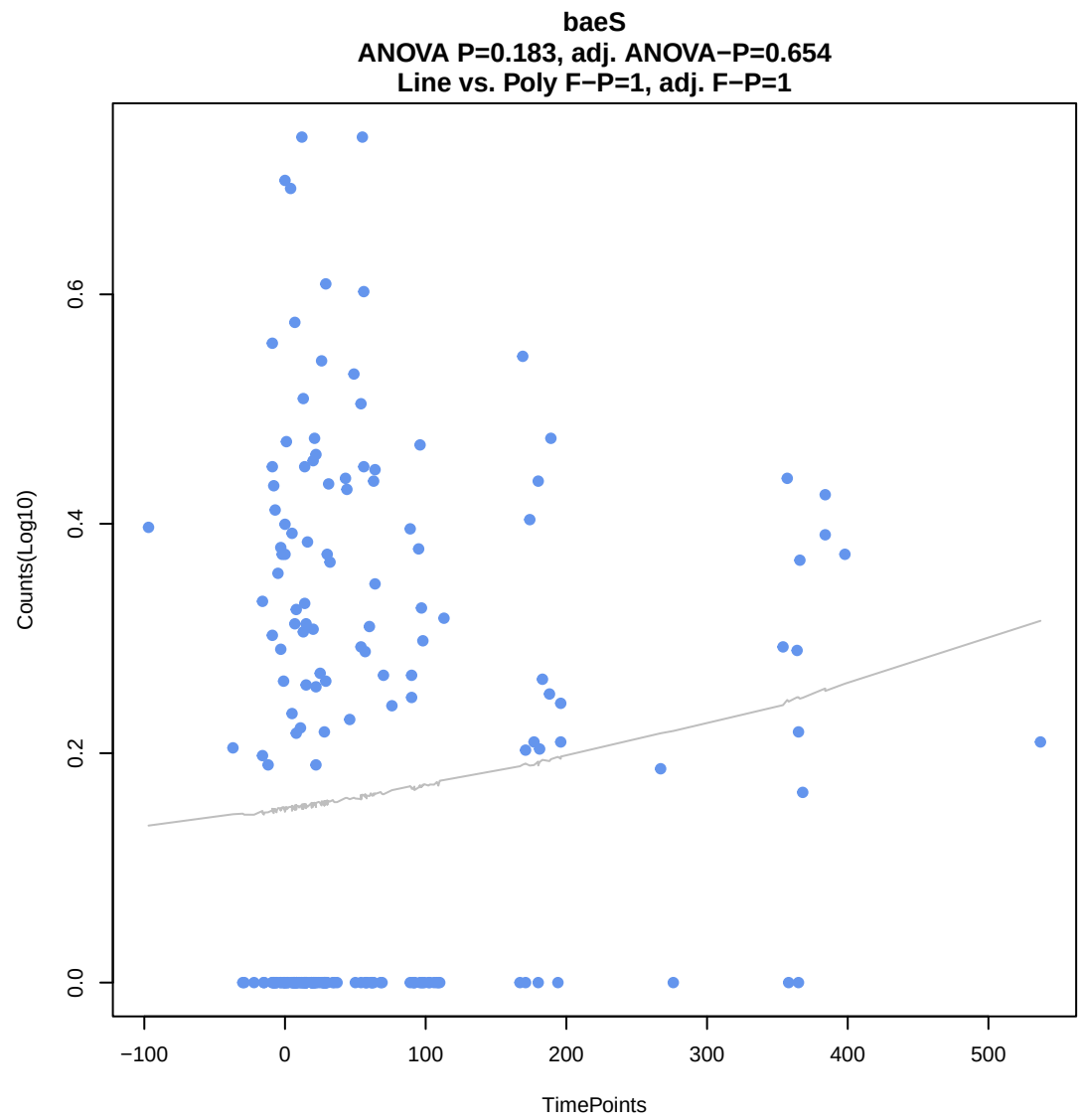

MuxC
ANOVA P=0.935, adj. ANOVA−P=0.952
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

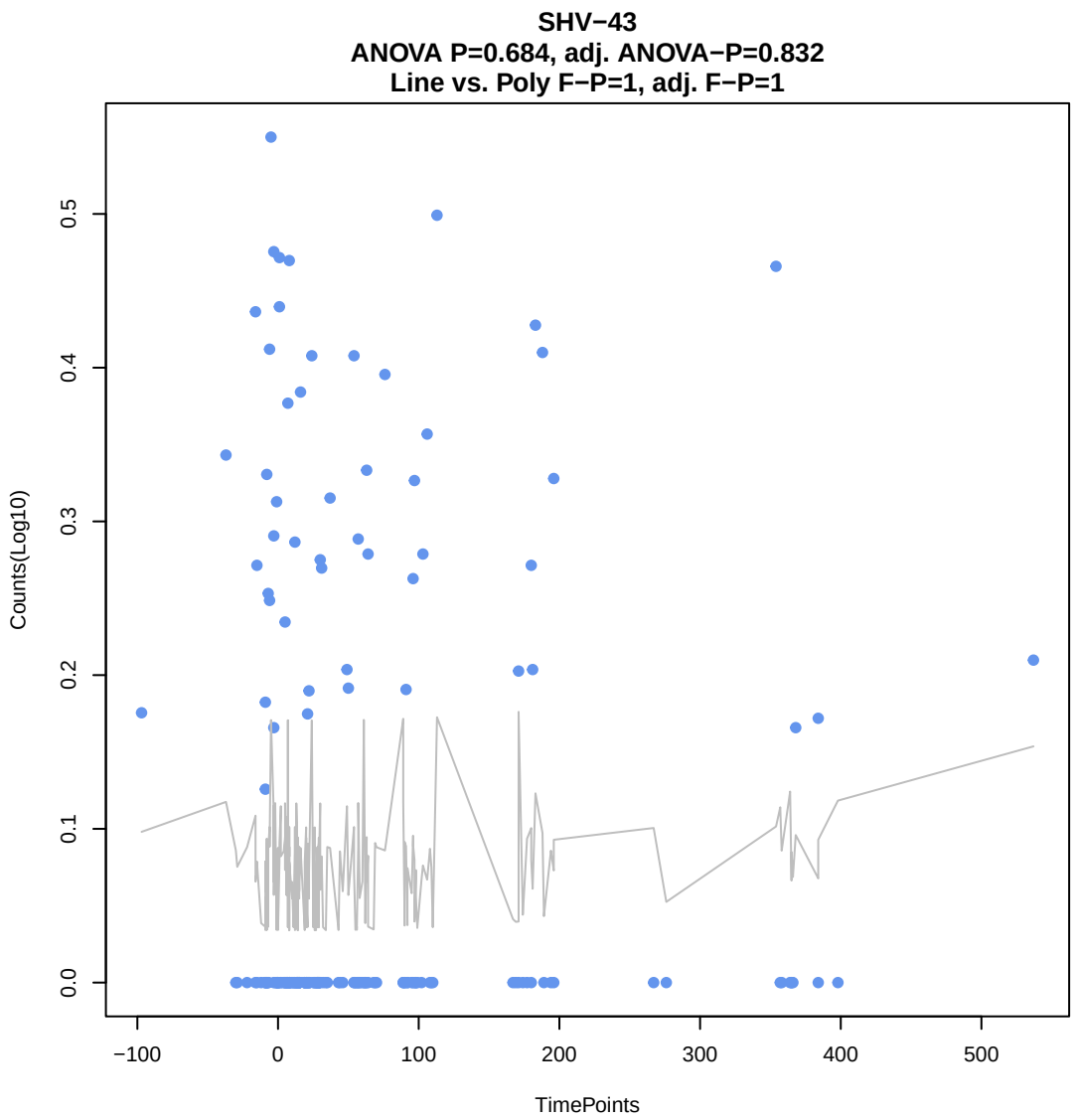

Klebsiella pneumoniae acrA
ANOVA P=0.824, adj. ANOVA−P=0.897
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

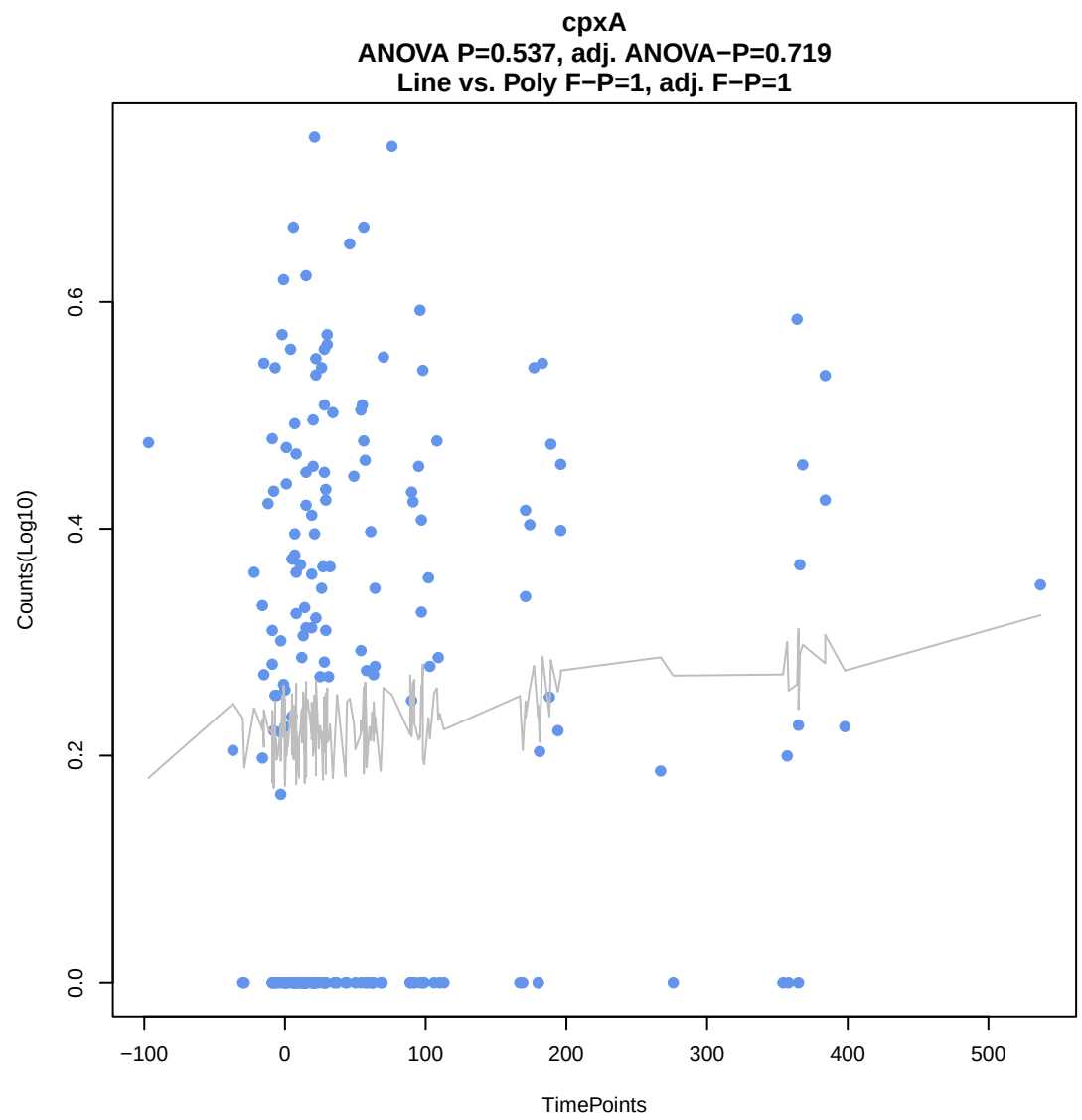

PmrF
ANOVA P=0.368, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

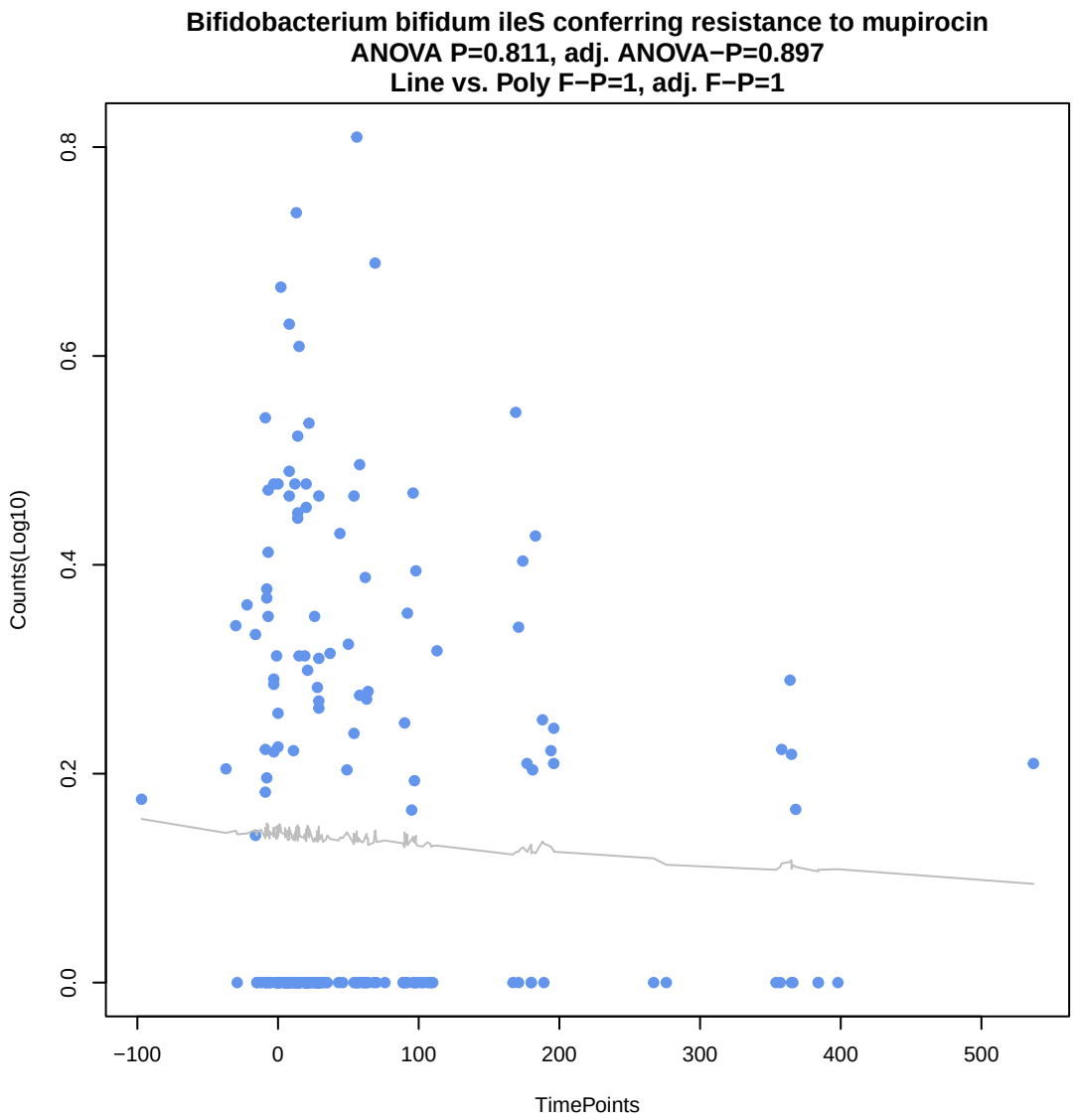

poxtA
ANOVA P=0.353, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

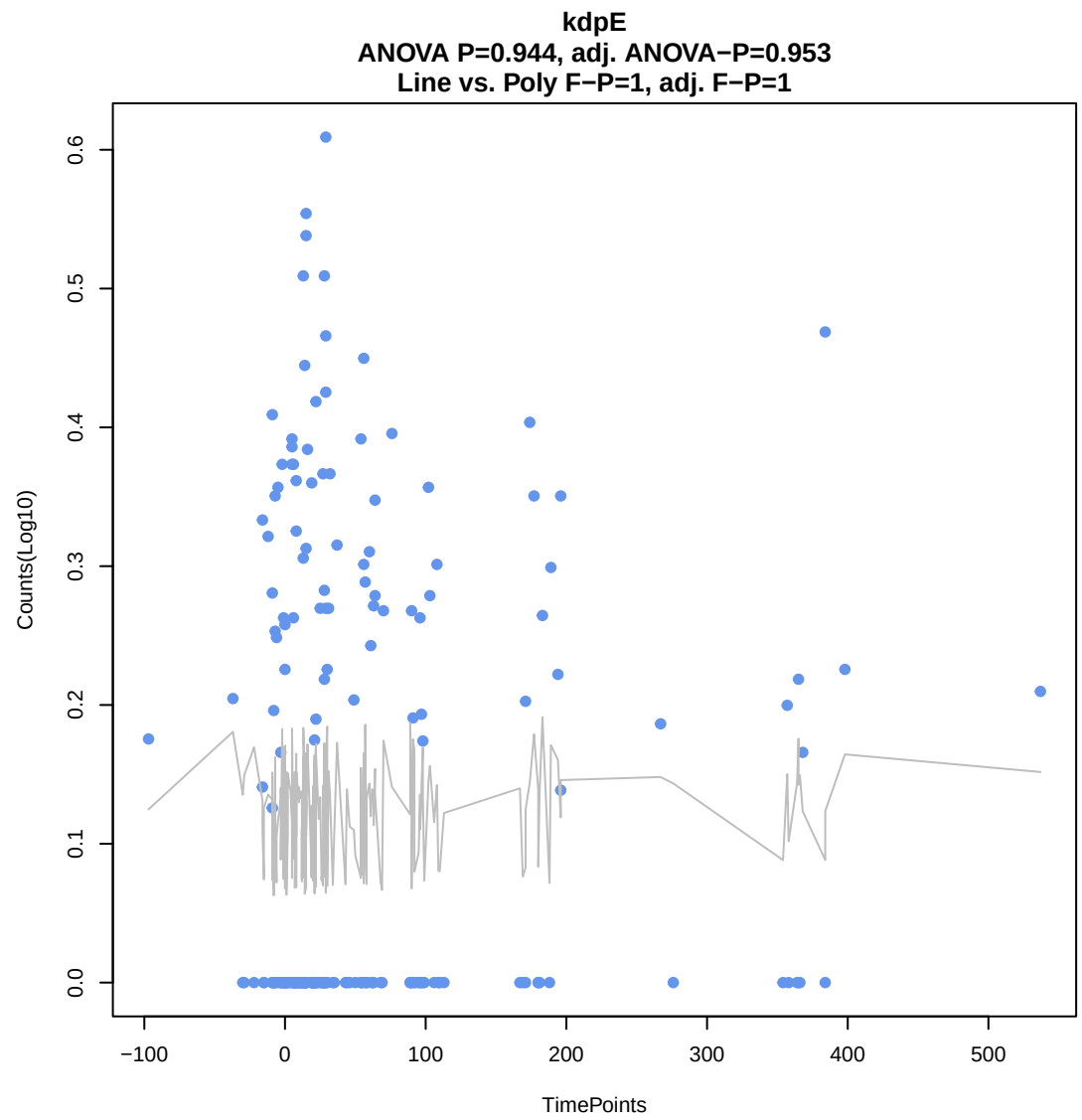

CfxA3
ANOVA P=0.845, adj. ANOVA−P=0.904
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

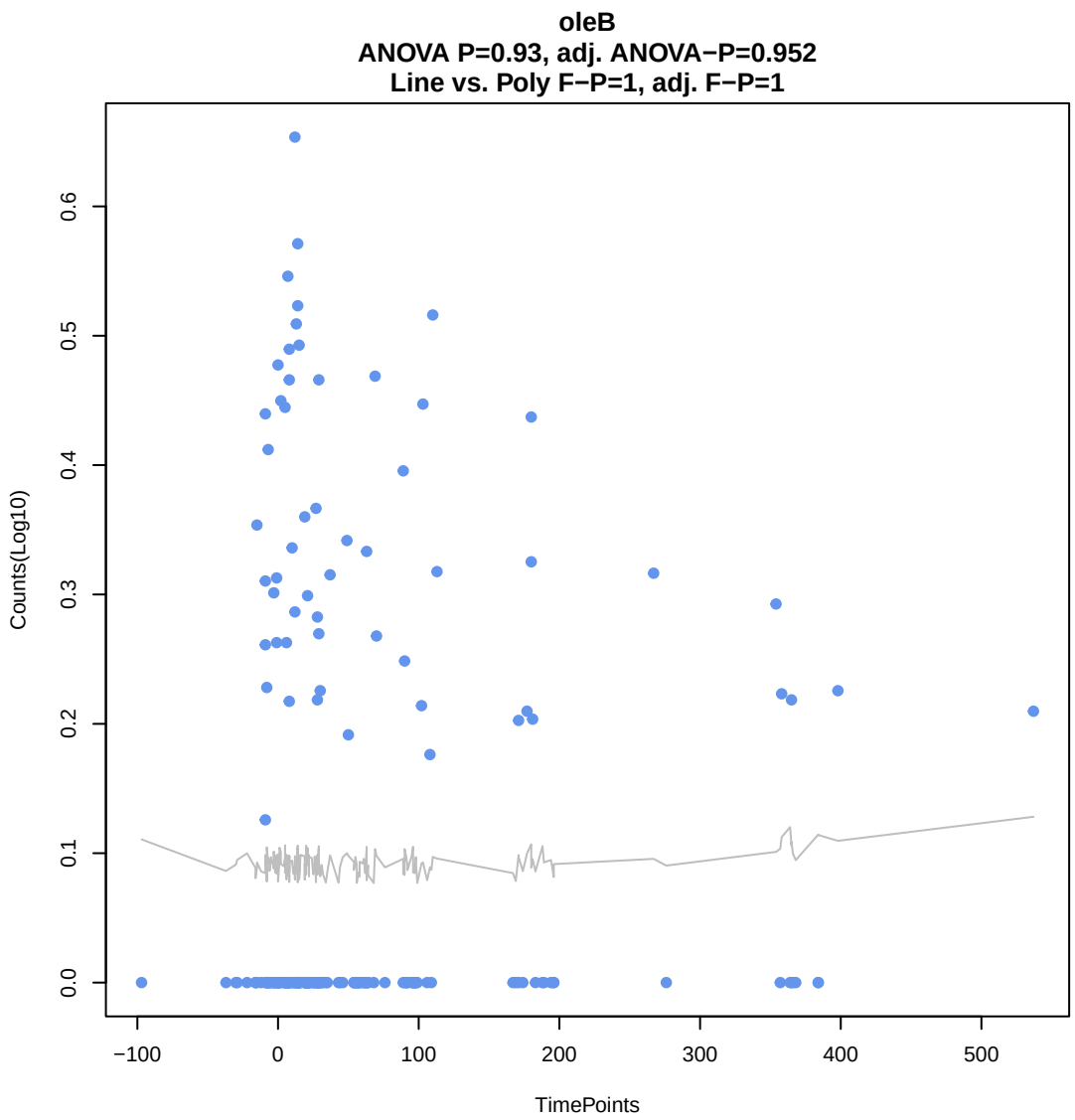

baeS
ANOVA P=0.183, adj. ANOVA−P=0.654
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
TimePoints

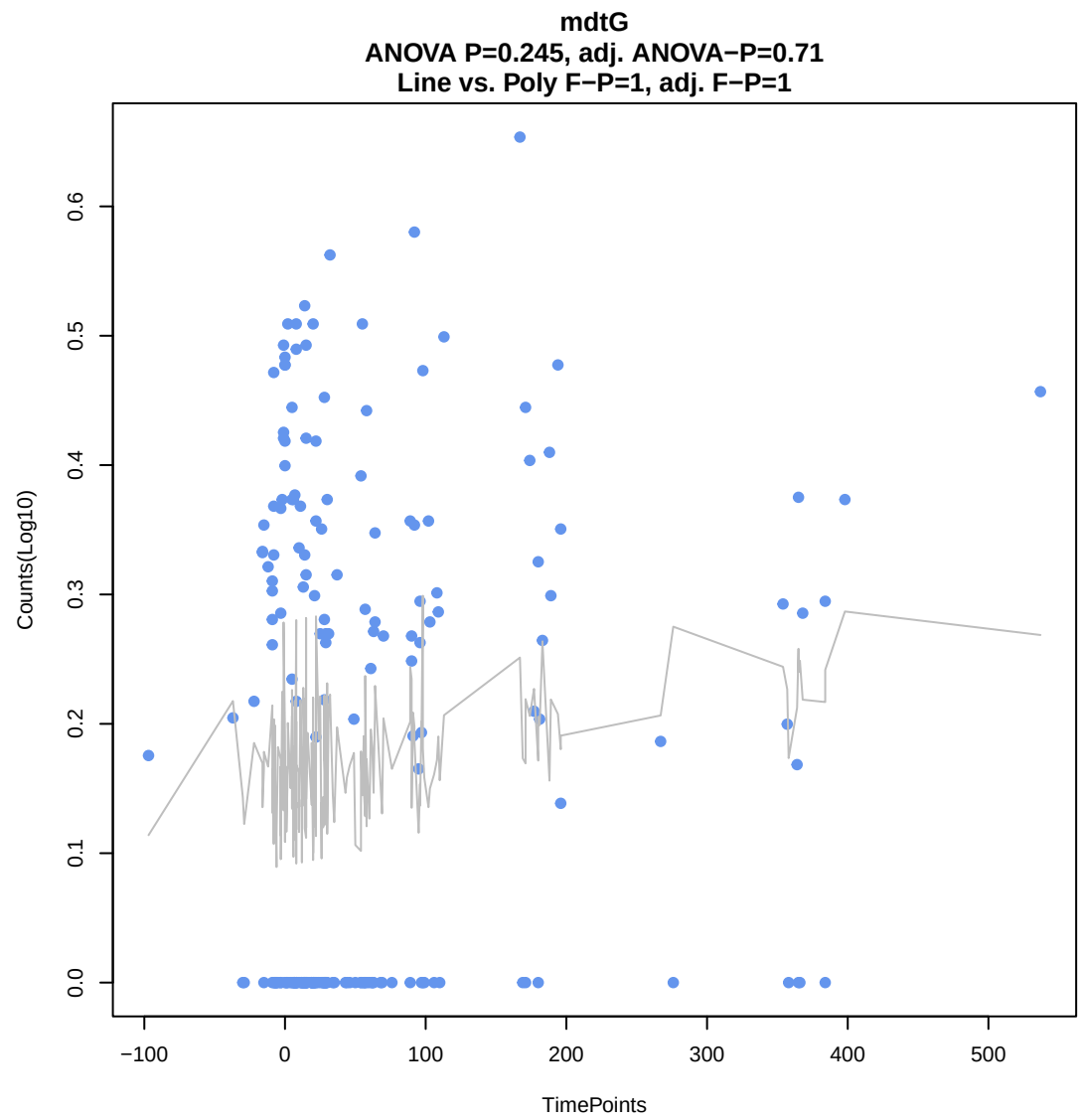

SHV−43
ANOVA P=0.684, adj. ANOVA−P=0.832
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0.5
−100
0
100
200
300
400
500
TimePoints

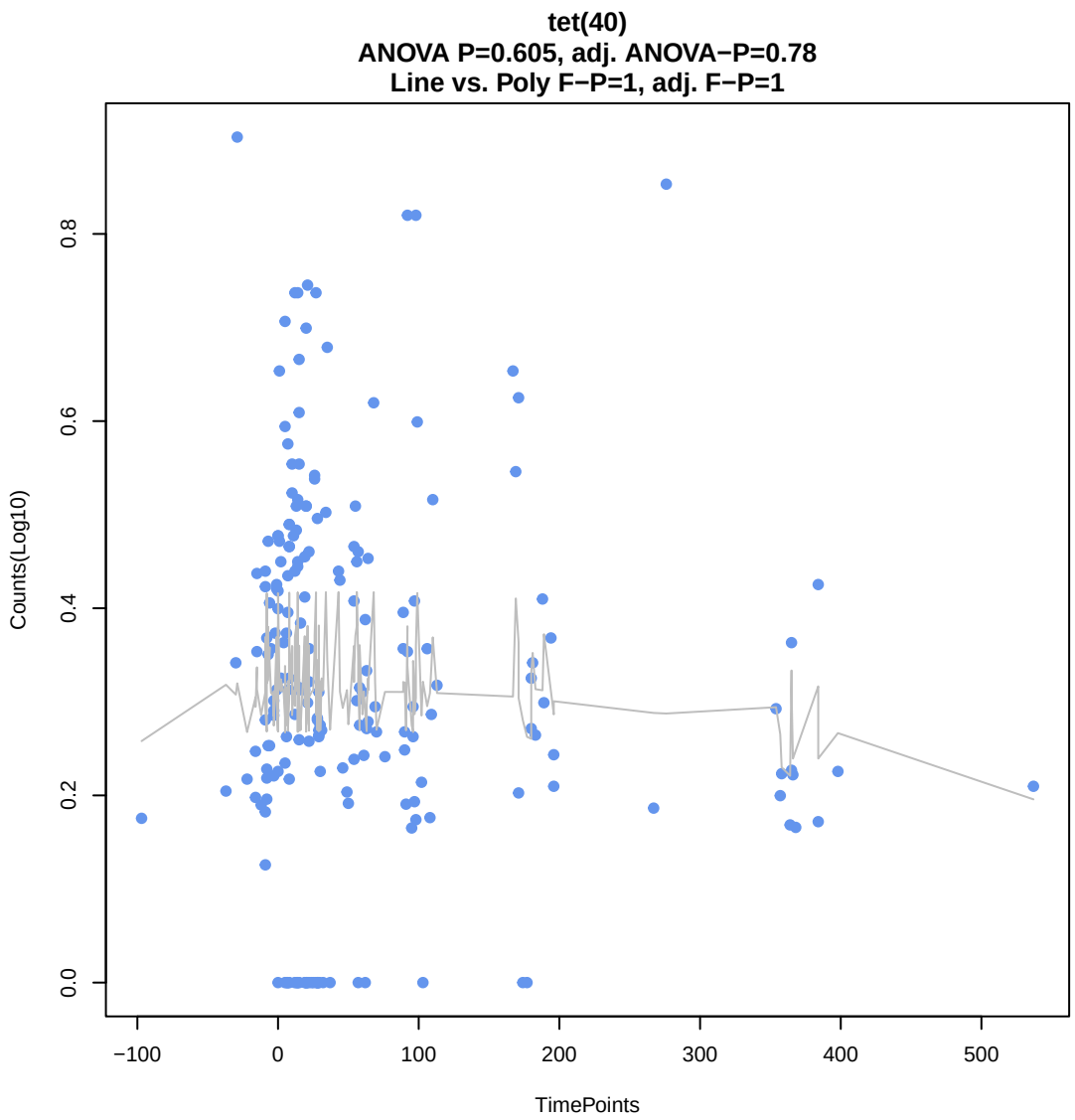

cpxA
ANOVA P=0.537, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
−100
0
100
200
300
400
500
TimePoints

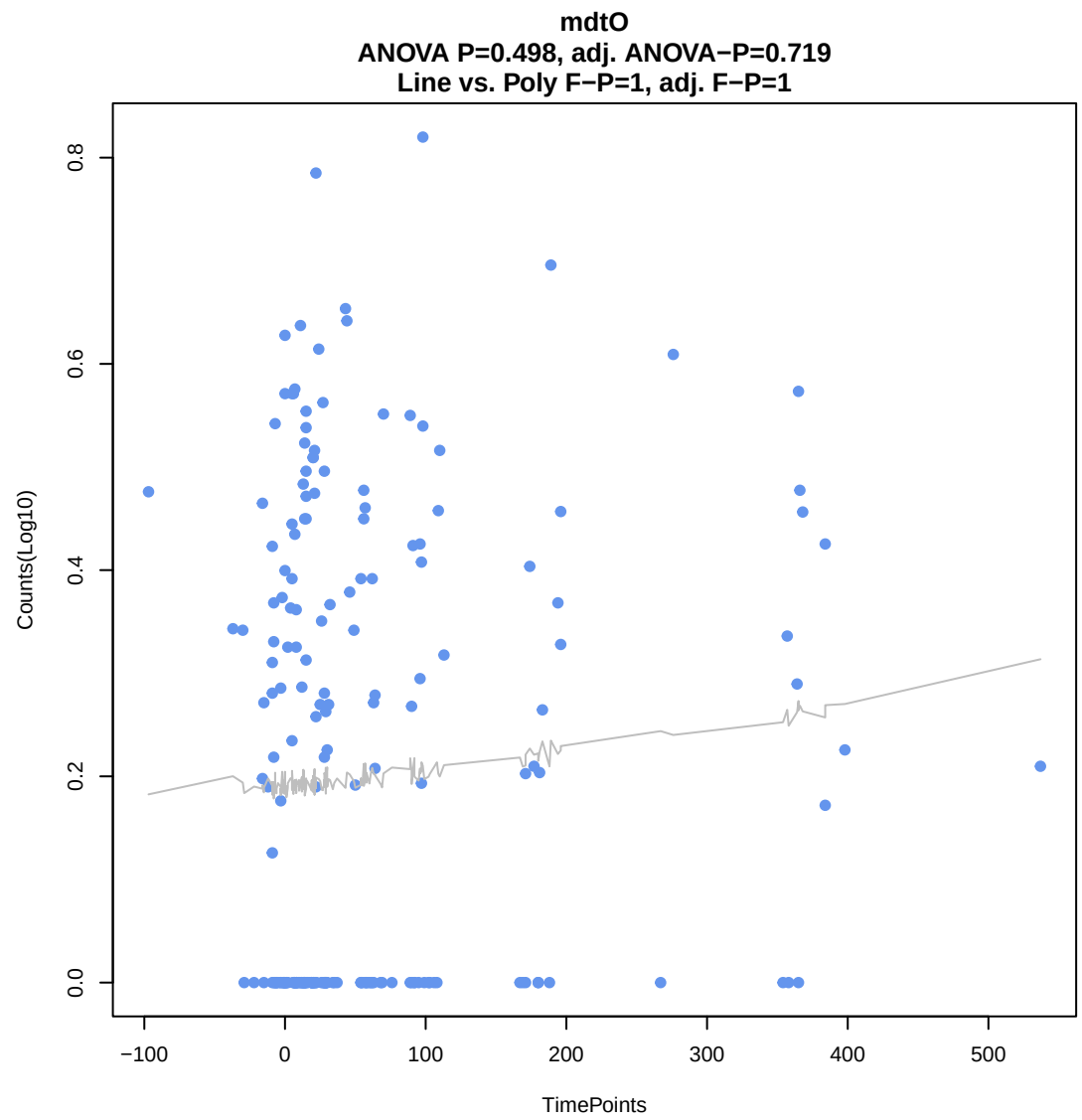

Bifidobacterium bifidum ileS conferring resistance to mupirocin
ANOVA P=0.811, adj. ANOVA−P=0.897
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
−100
0
100
200
300
400
500
TimePoints

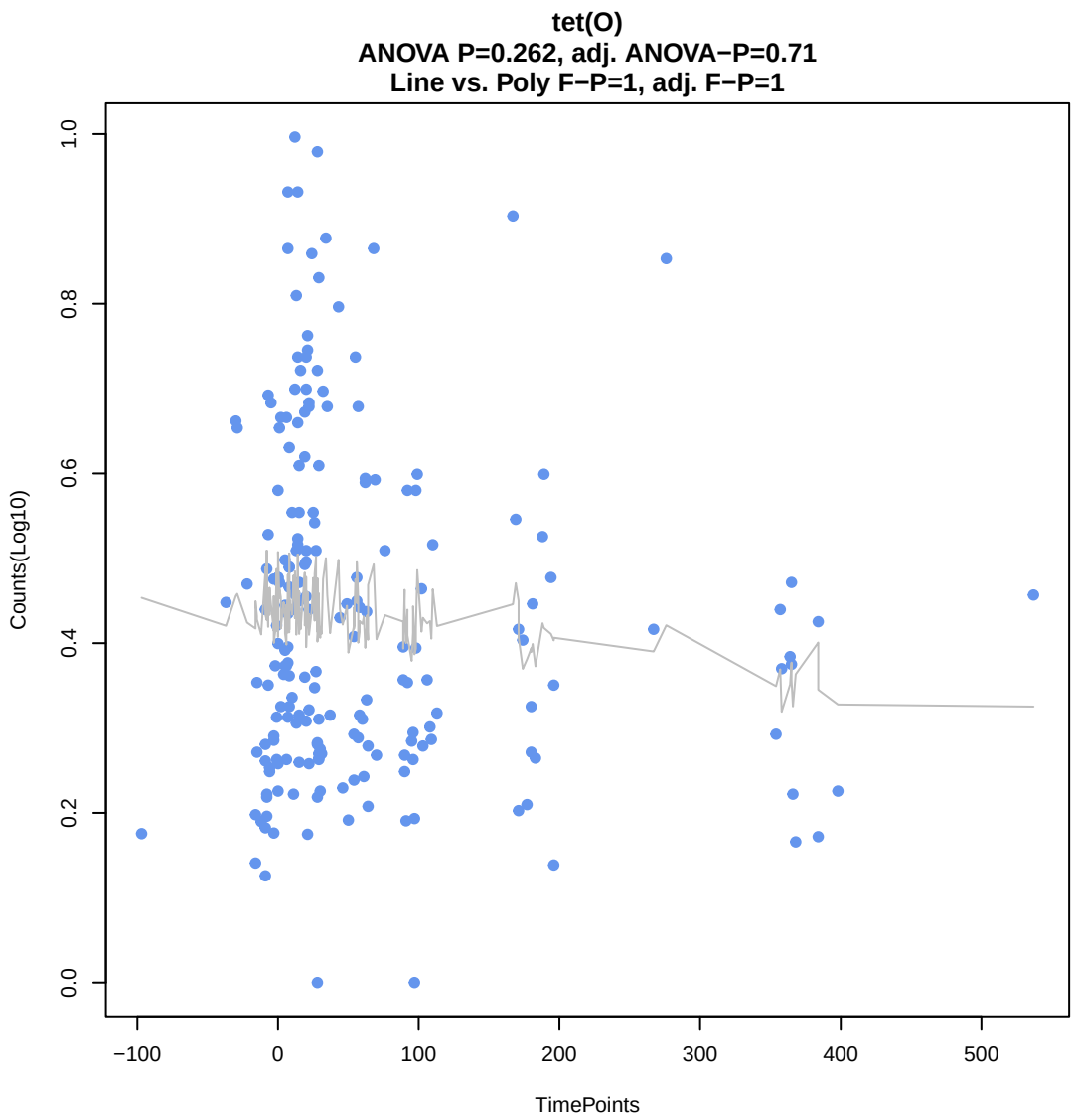

kdpE
ANOVA P=0.944, adj. ANOVA−P=0.953
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
−100
0
100
200
300
400
500
TimePoints

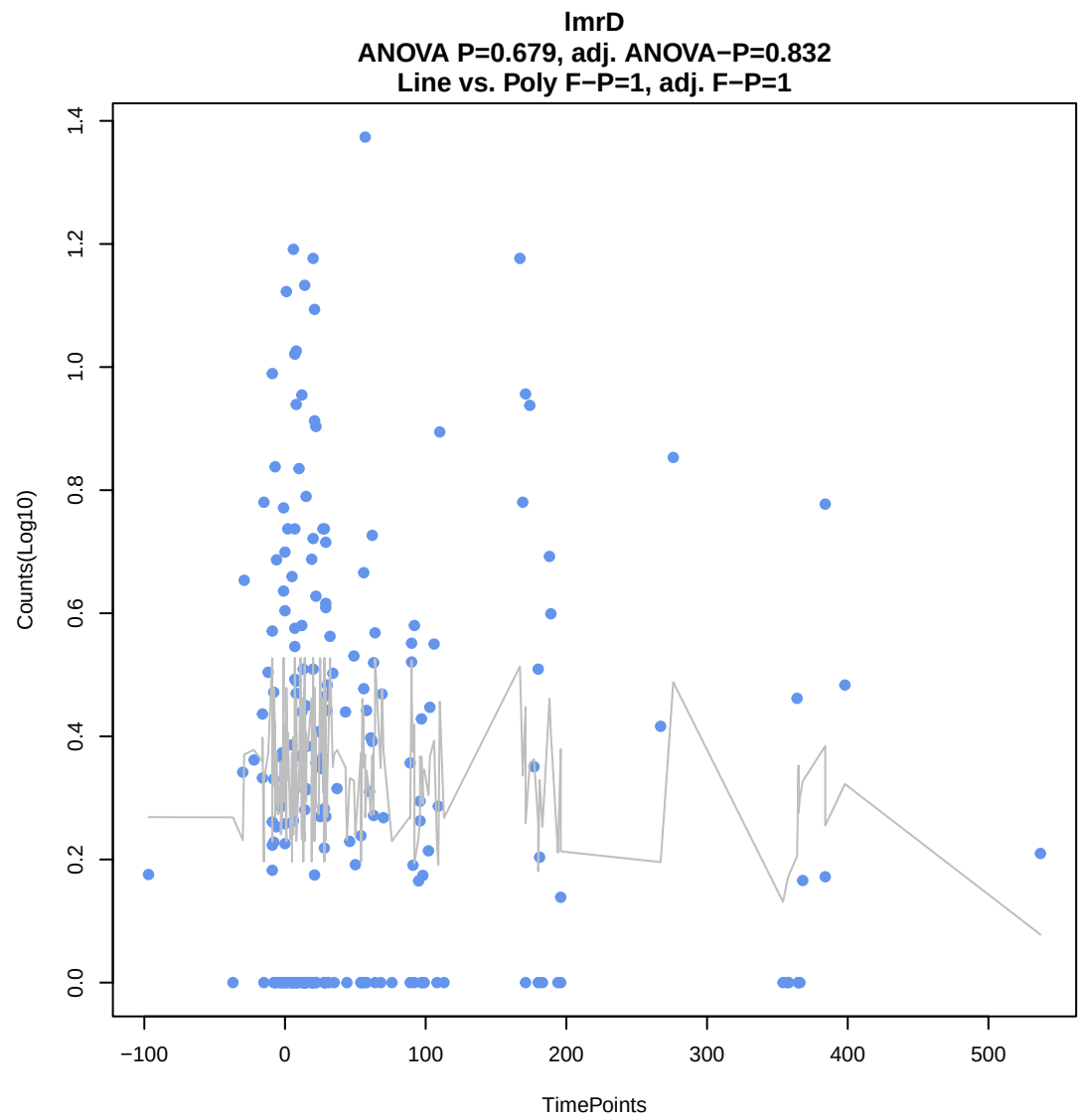

oleB
ANOVA P=0.93, adj. ANOVA−P=0.952
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
−100
0
100
200
300
400
500
TimePoints

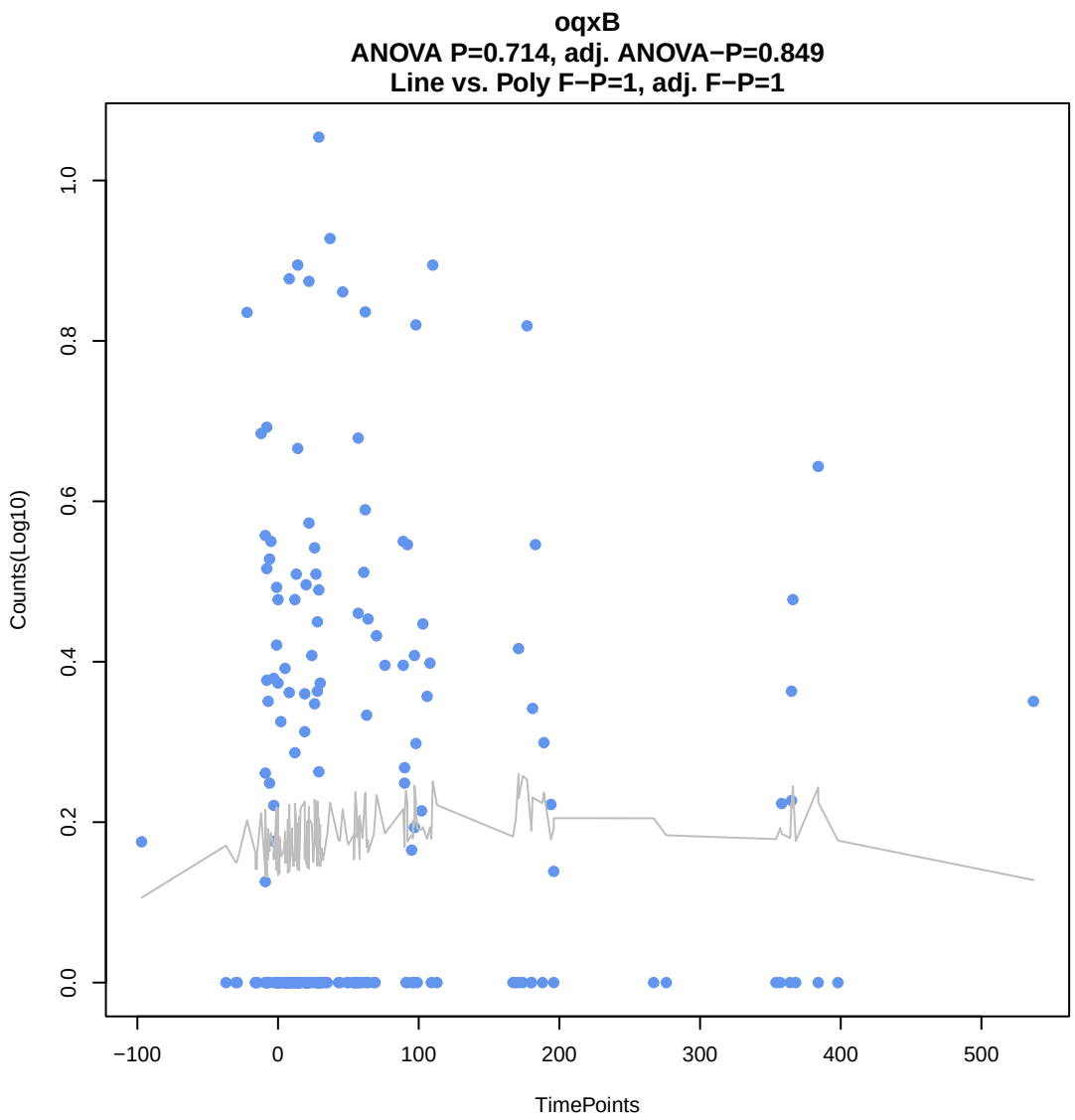

mdtG
ANOVA P=0.245, adj. ANOVA−P=0.71
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
−100
0
100
200
300
400
500
TimePoints

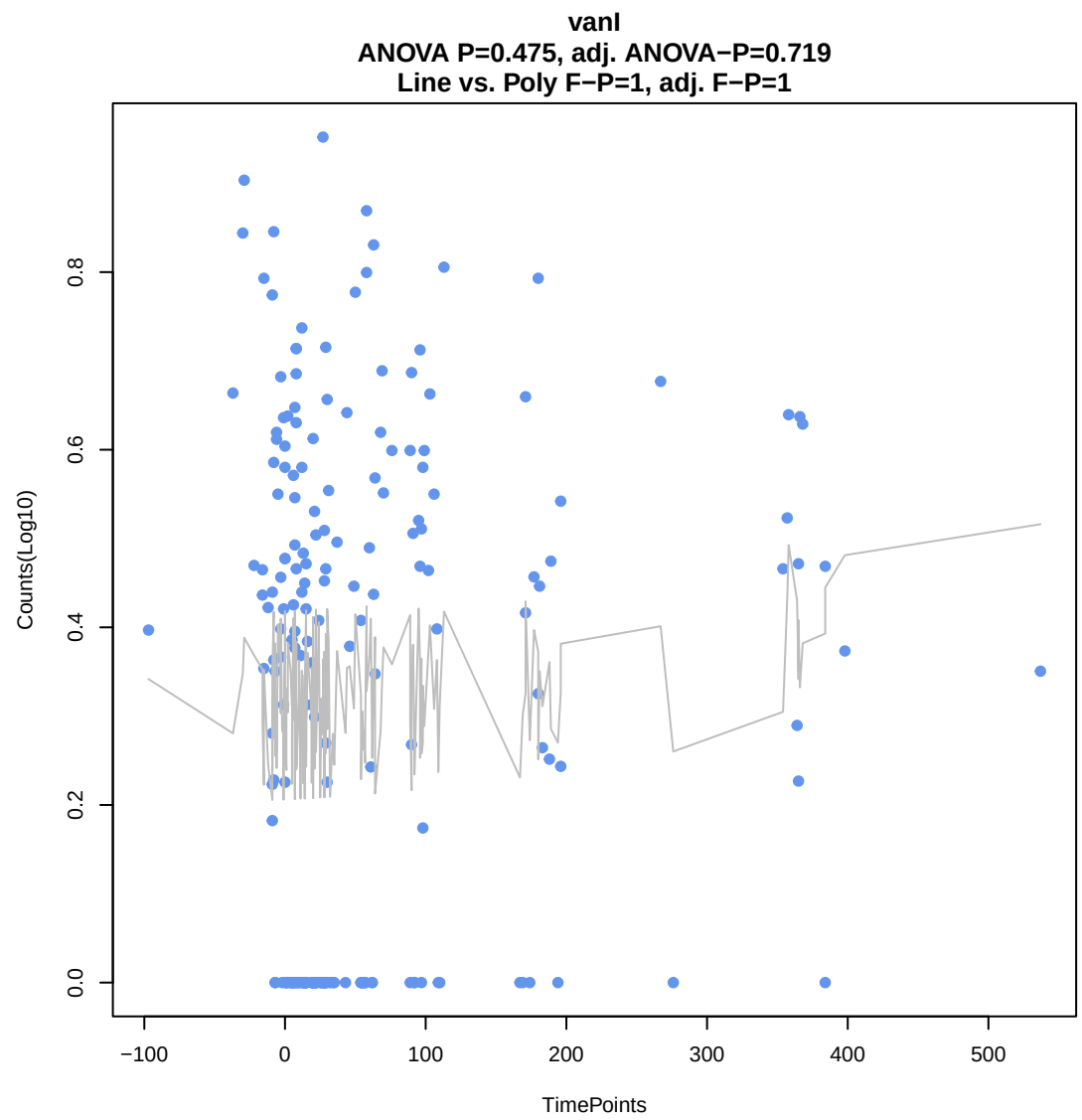

tet(40)
ANOVA P=0.605, adj. ANOVA−P=0.78
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
−100
0
100
200
300
400
500
TimePoints

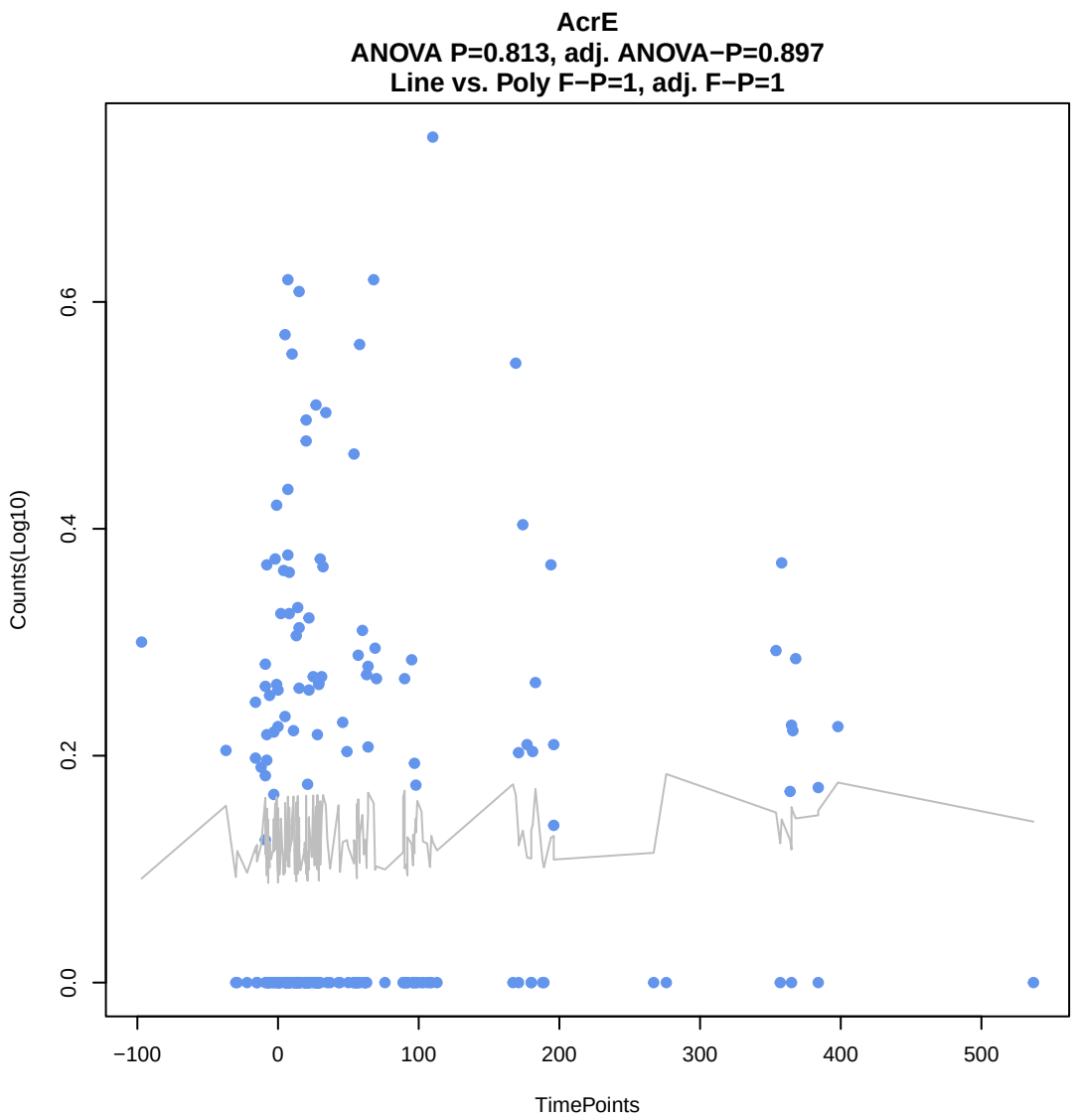

mdtO
ANOVA P=0.498, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
−100
0
100
200
300
400
500
TimePoints

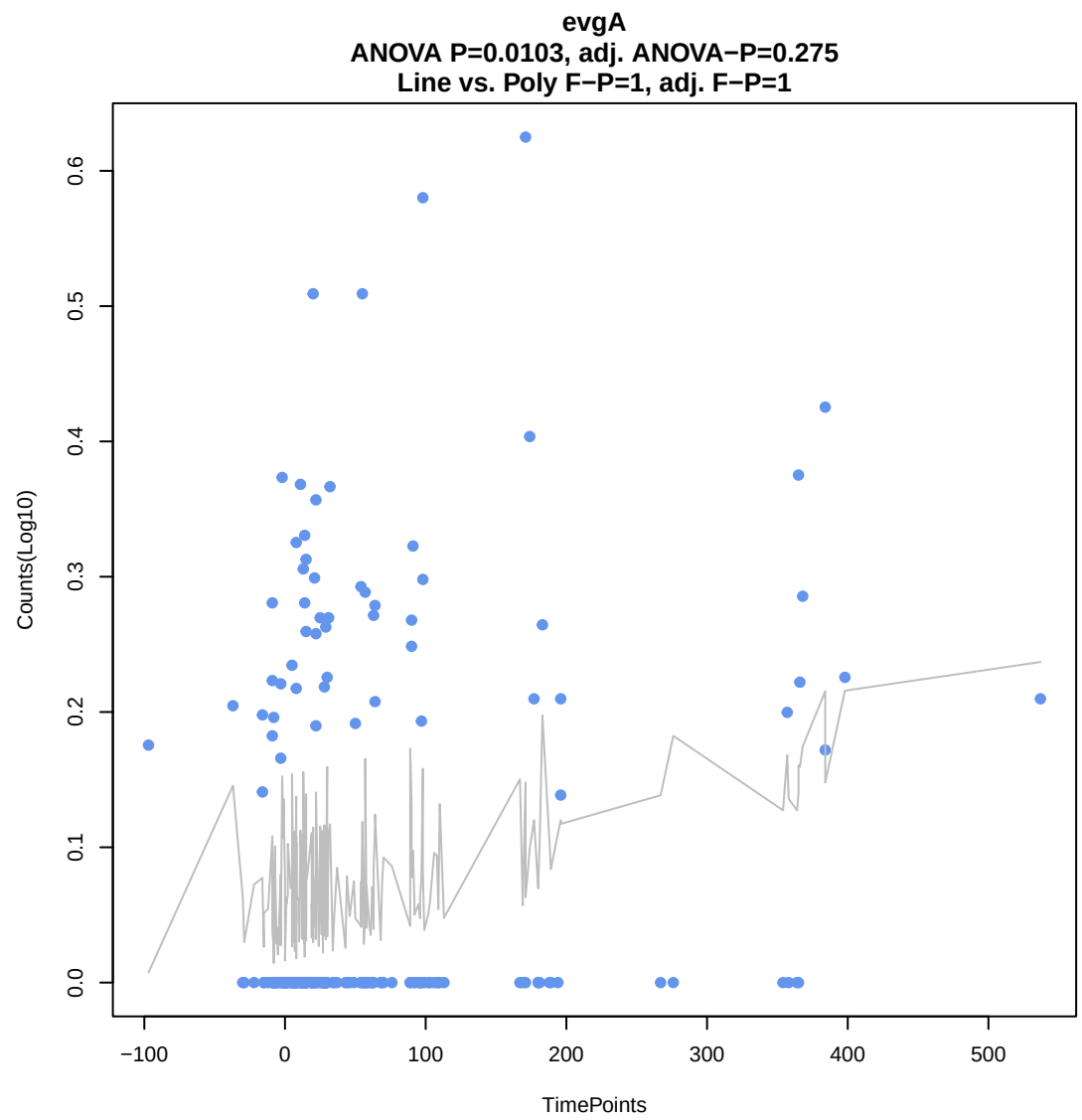

tet(O)
ANOVA P=0.262, adj. ANOVA−P=0.71
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
1.0
−100
0
100
200
300
400
500
TimePoints

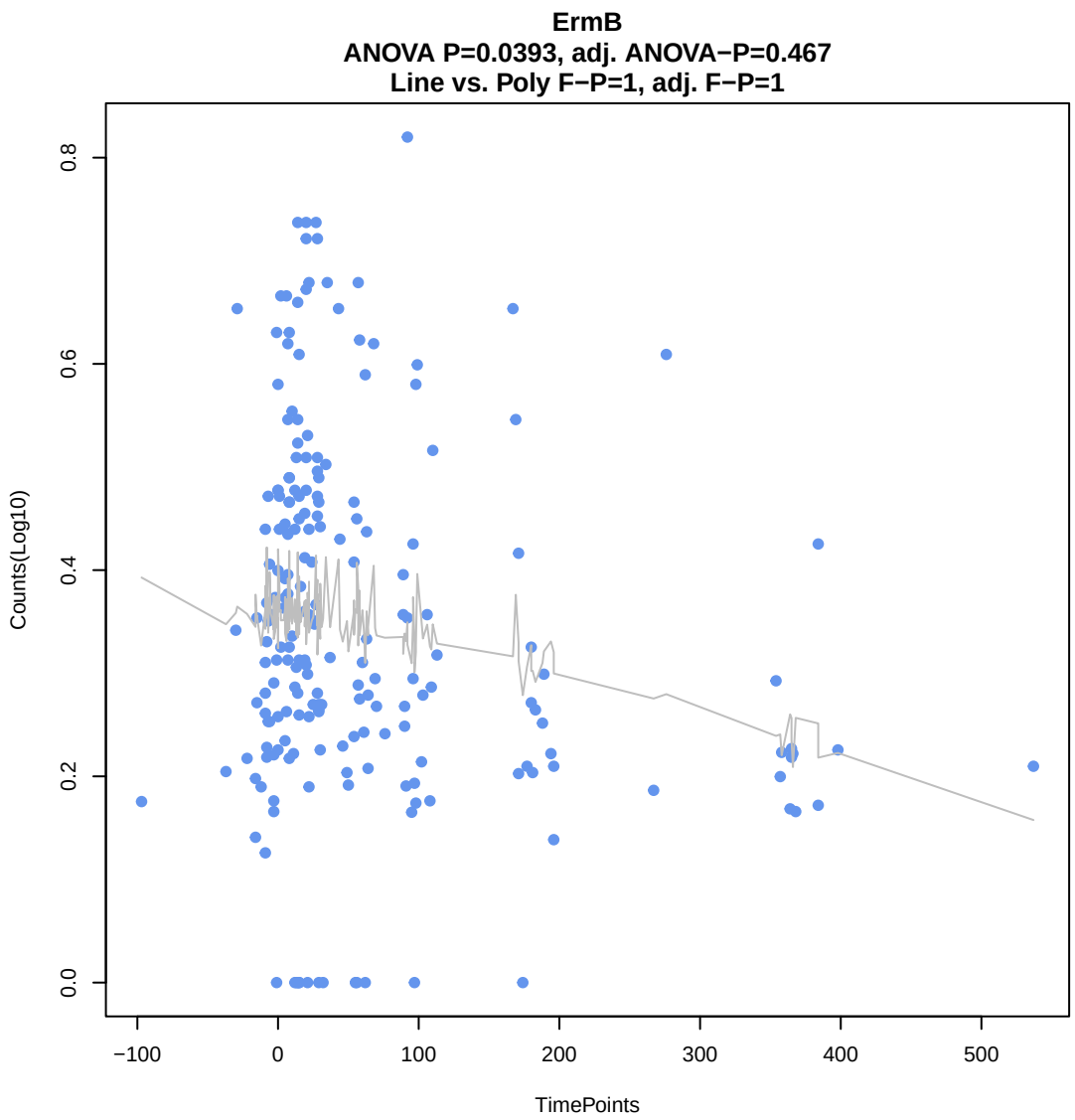

lmrD
ANOVA P=0.679, adj. ANOVA−P=0.832
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
−100
0
100
200
300
400
500
TimePoints

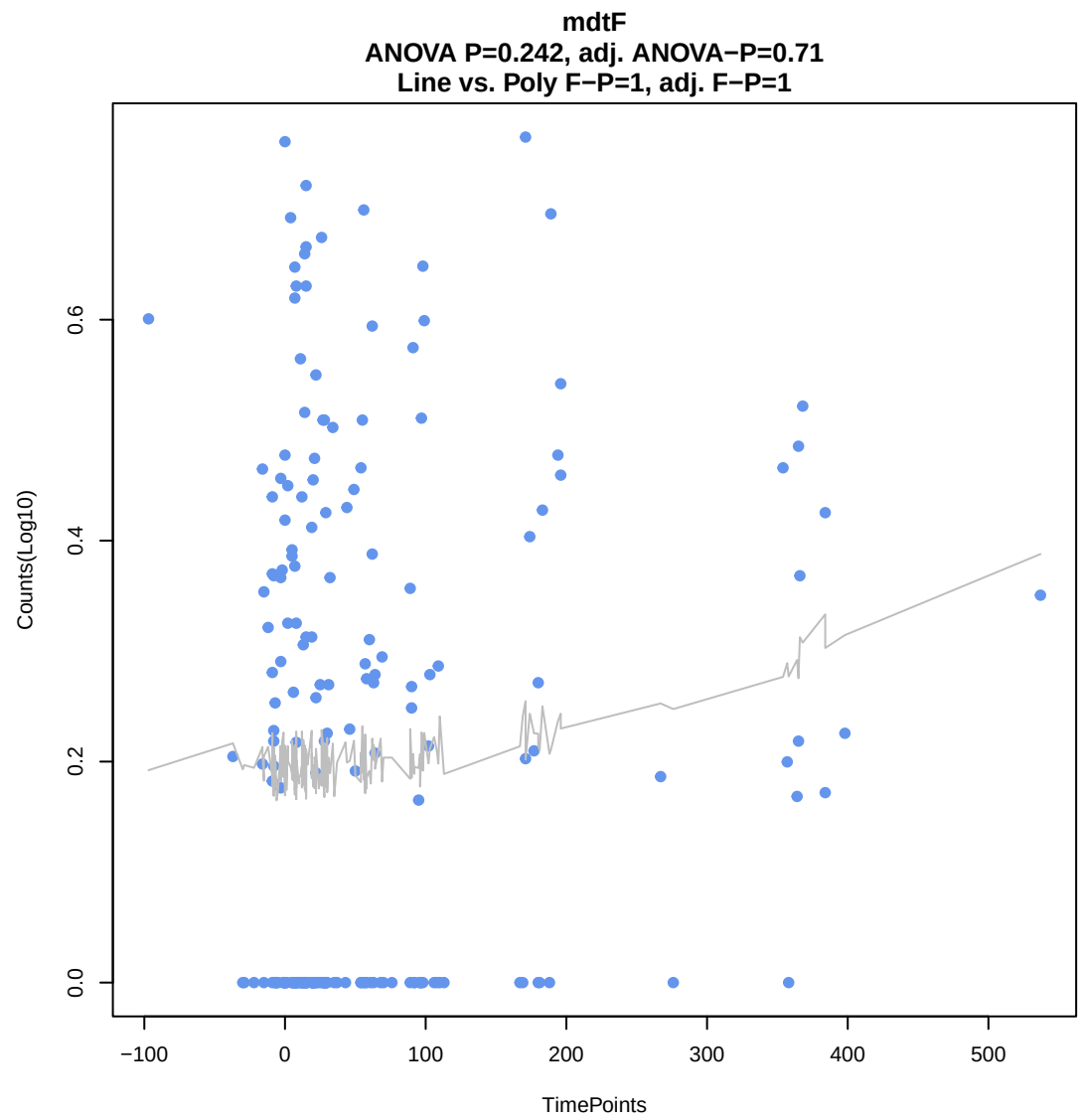

oqxB
ANOVA P=0.714, adj. ANOVA−P=0.849
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
1.0
−100
0
100
200
300
400
500
TimePoints

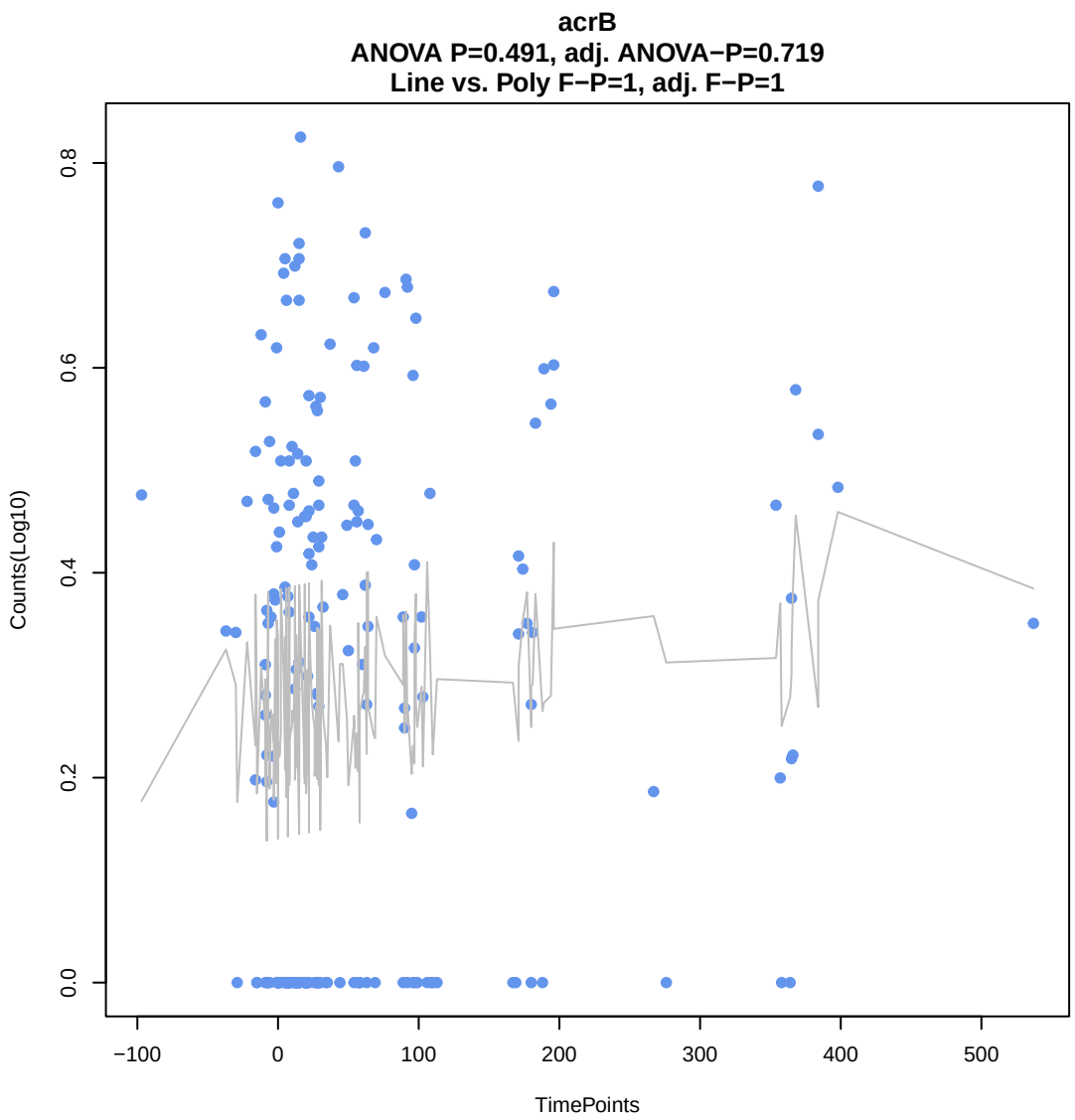

vanI
ANOVA P=0.475, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
−100
0
100
200
300
400
500
TimePoints

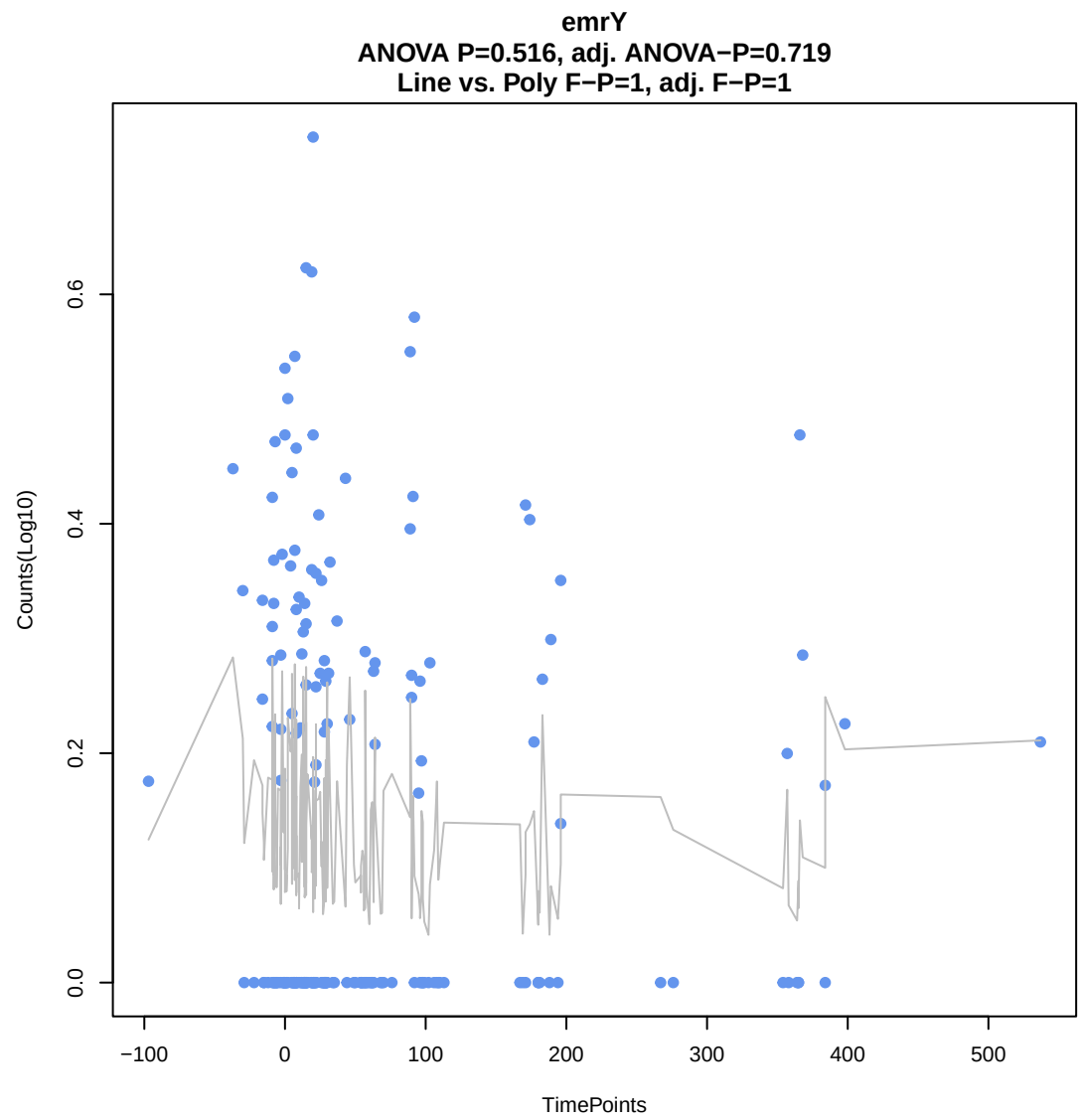

AcrE
ANOVA P=0.813, adj. ANOVA−P=0.897
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
−100
0
100
200
300
400
500
TimePoints


evgA
ANOVA P=0.0103, adj. ANOVA−P=0.275
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
−100
0
100
200
300
400
500
TimePoints

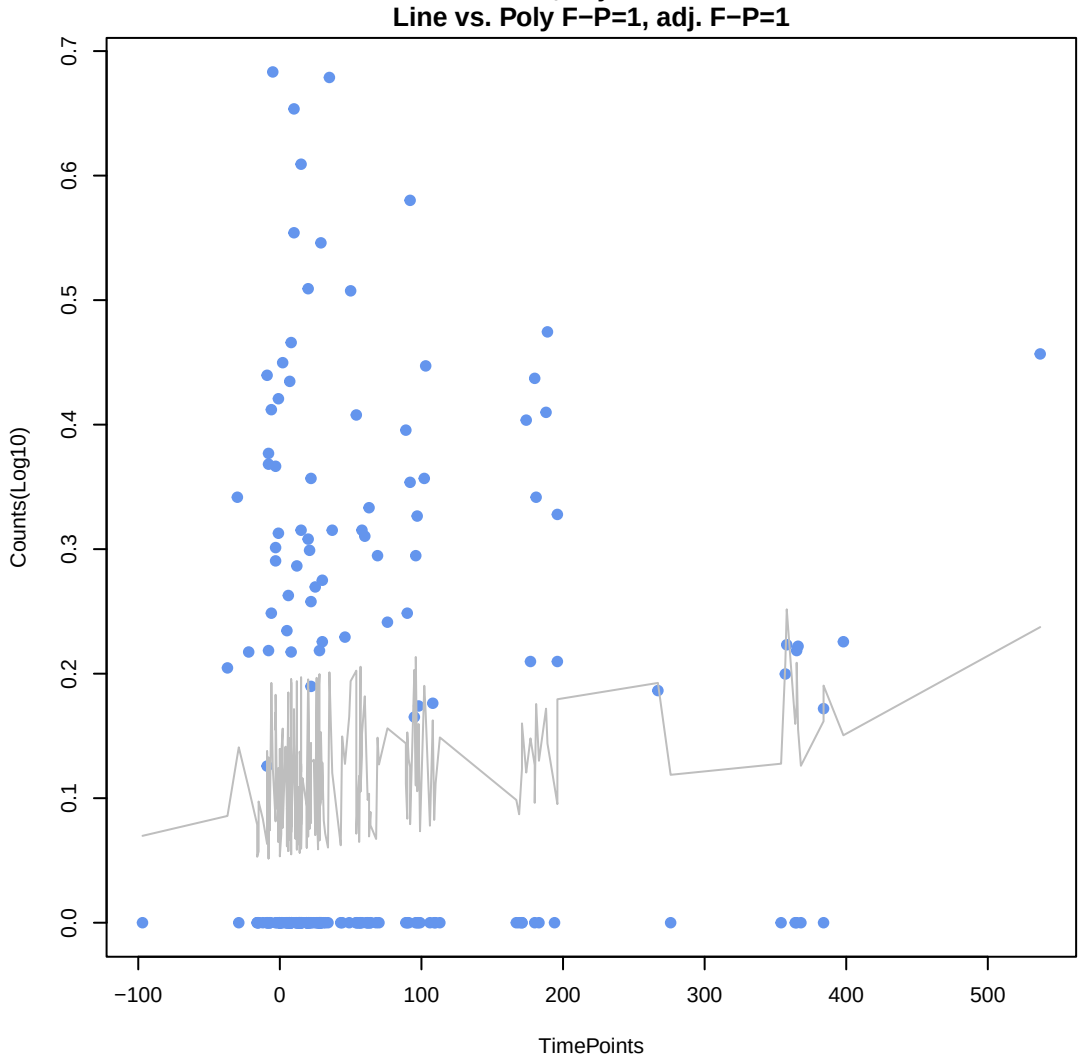

ErmB
ANOVA P=0.0393, adj. ANOVA−P=0.467
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
−100
0
100
200
300
400
500
TimePoints


mdtF
ANOVA P=0.242, adj. ANOVA−P=0.71
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
−100
0
100
200
300
400
500
TimePoints

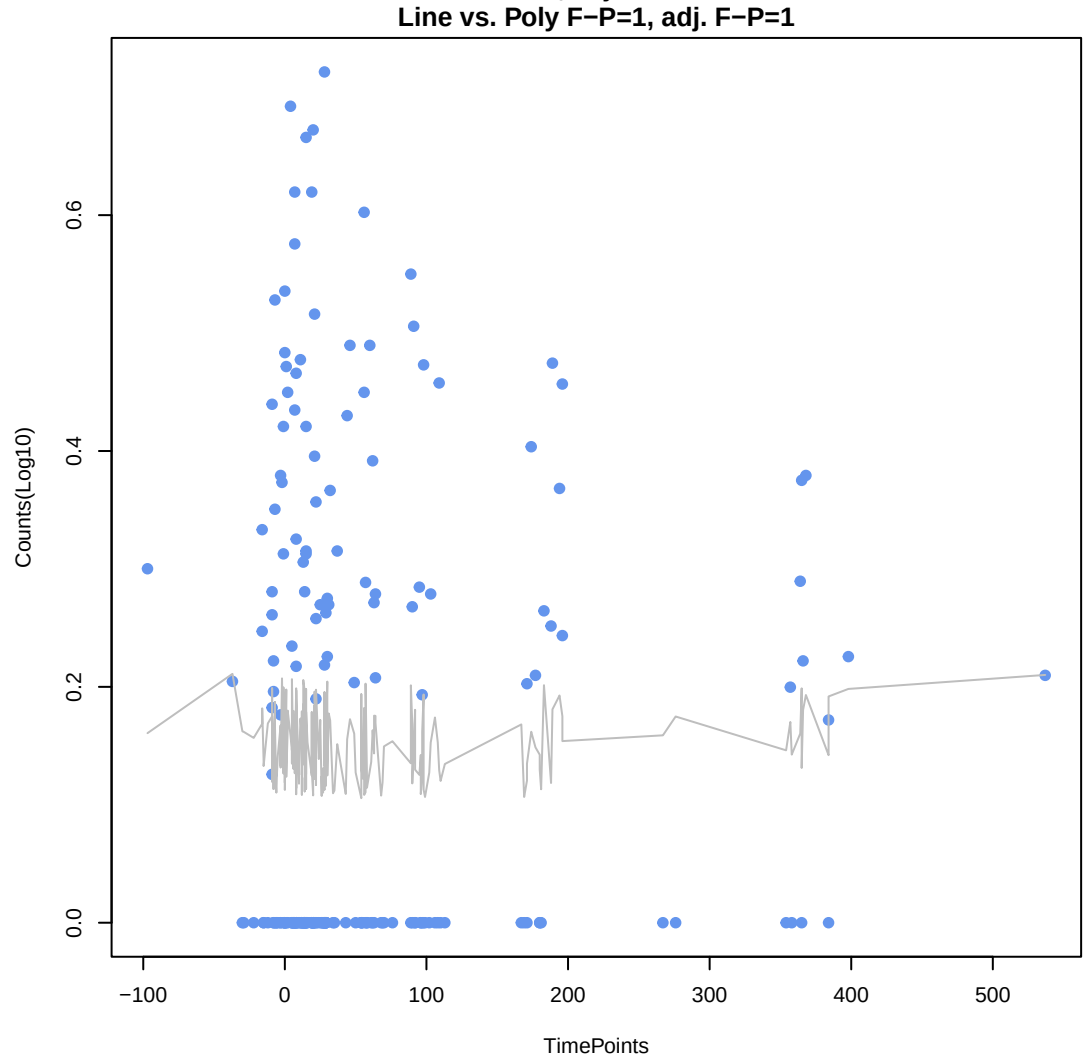

acrB
ANOVA P=0.491, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
0.8
−100
0
100
200
300
400
500
TimePoints


emrY
ANOVA P=0.516, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1
Counts(Log10)
0.0
0.2
0.4
0.6
−100
0
100
200
300
400
500
TimePoints

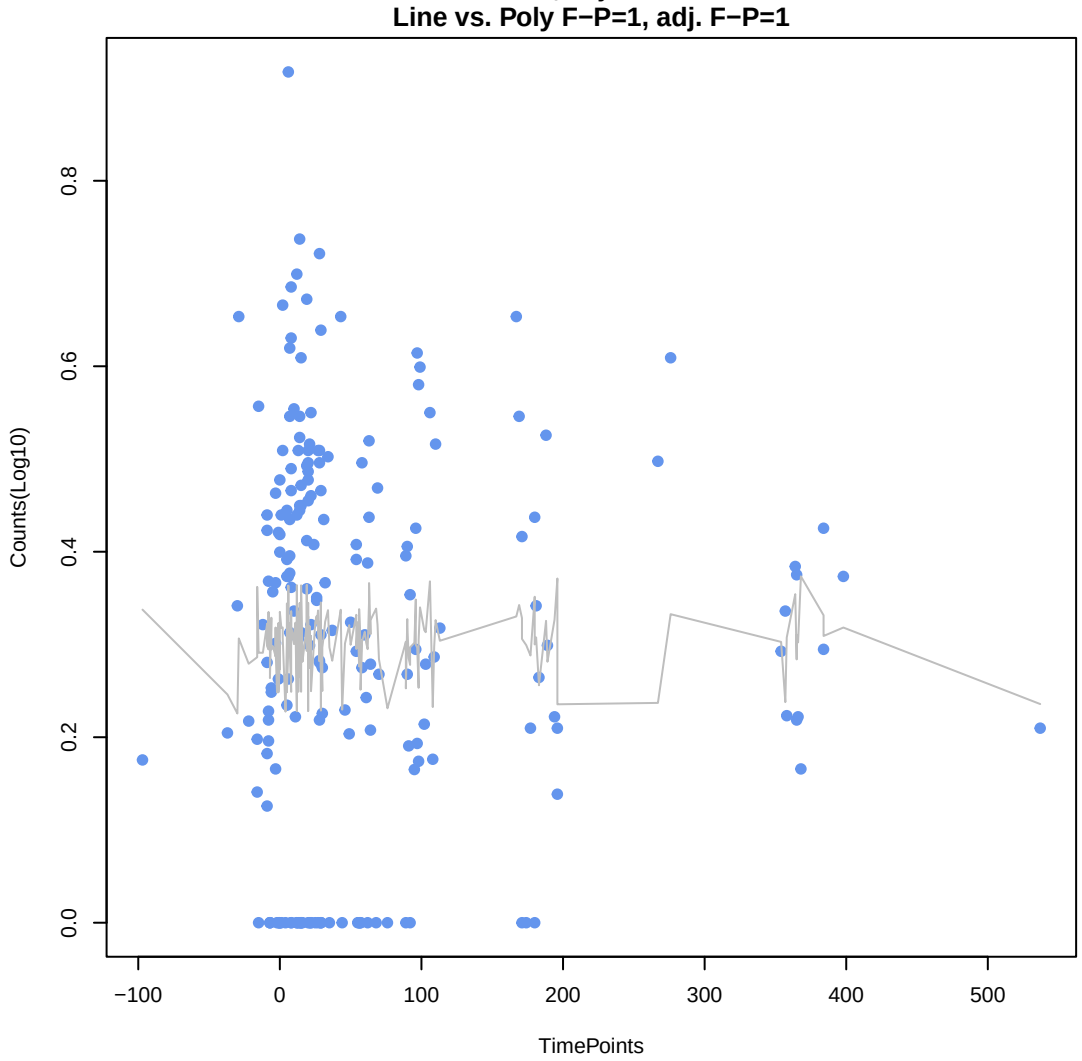
myrA
ANOVA P=0.297, adj. ANOVA−P=0.719
Line vs. Poly F−P=1, adj. F−P=1



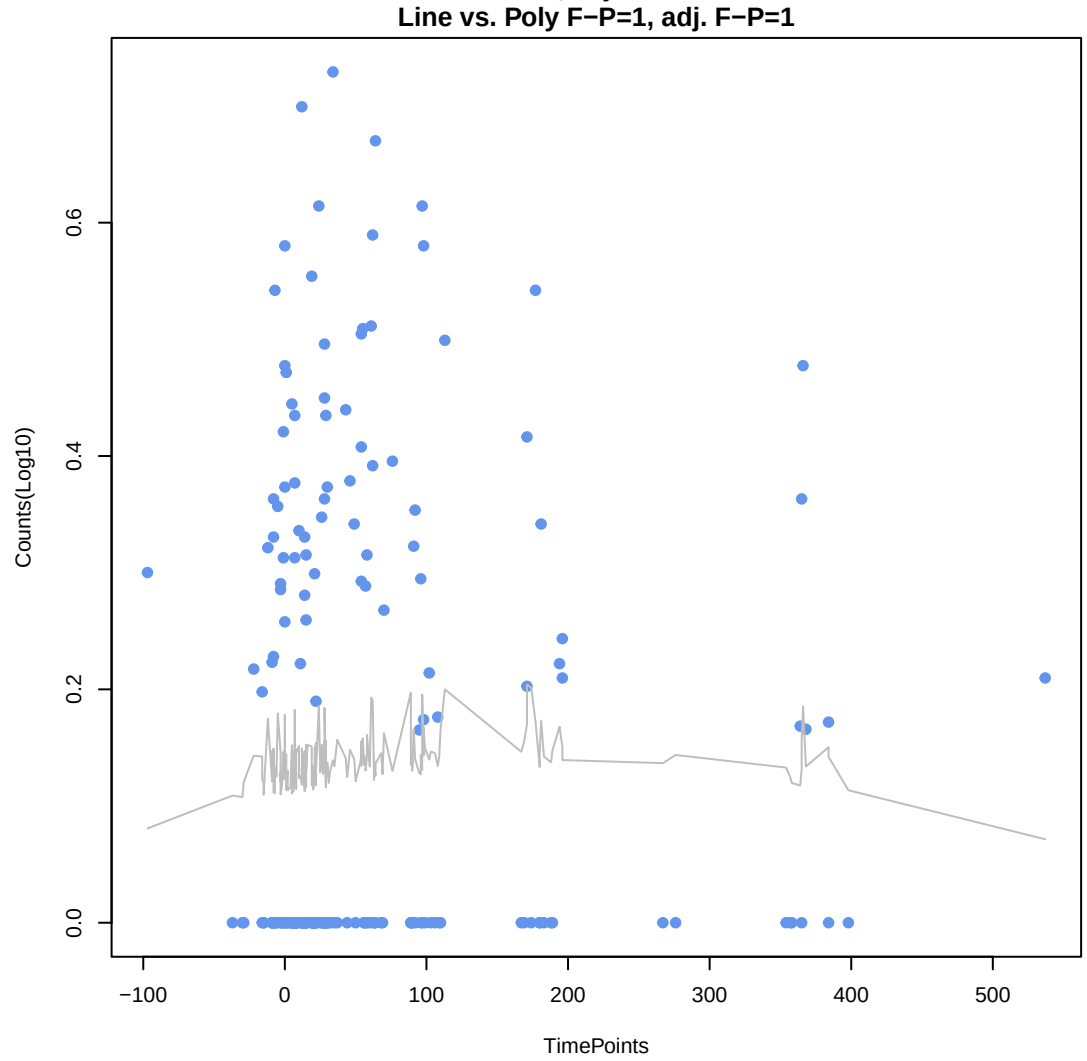
mdtP
ANOVA P=0.918, adj. ANOVA−P=0.952
Line vs. Poly F−P=1, adj. F−P=1



aad(6)
ANOVA P=0.976, adj. ANOVA−P=0.976
Line vs. Poly F−P=1, adj. F−P=1



Klebsiella pneumoniae KpnH
ANOVA P=0.806, adj. ANOVA−P=0.897
Line vs. Poly F−P=1, adj. F−P=1



Escherichia coli soxR with mutation conferring antibiotic resistance
ANOVA P=0.652, adj. ANOVA−P=0.821
Line vs. Poly F−P=1, adj. F−P=1