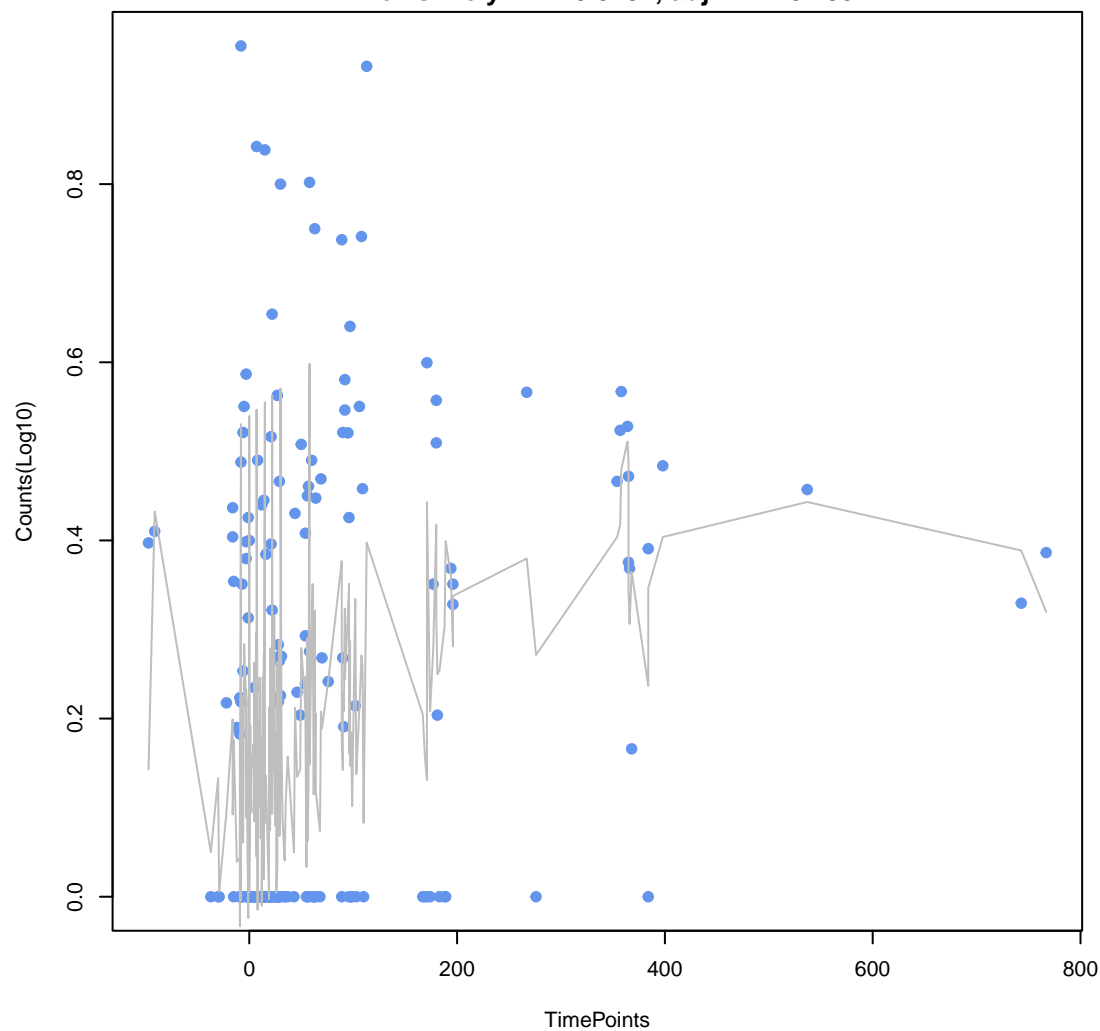
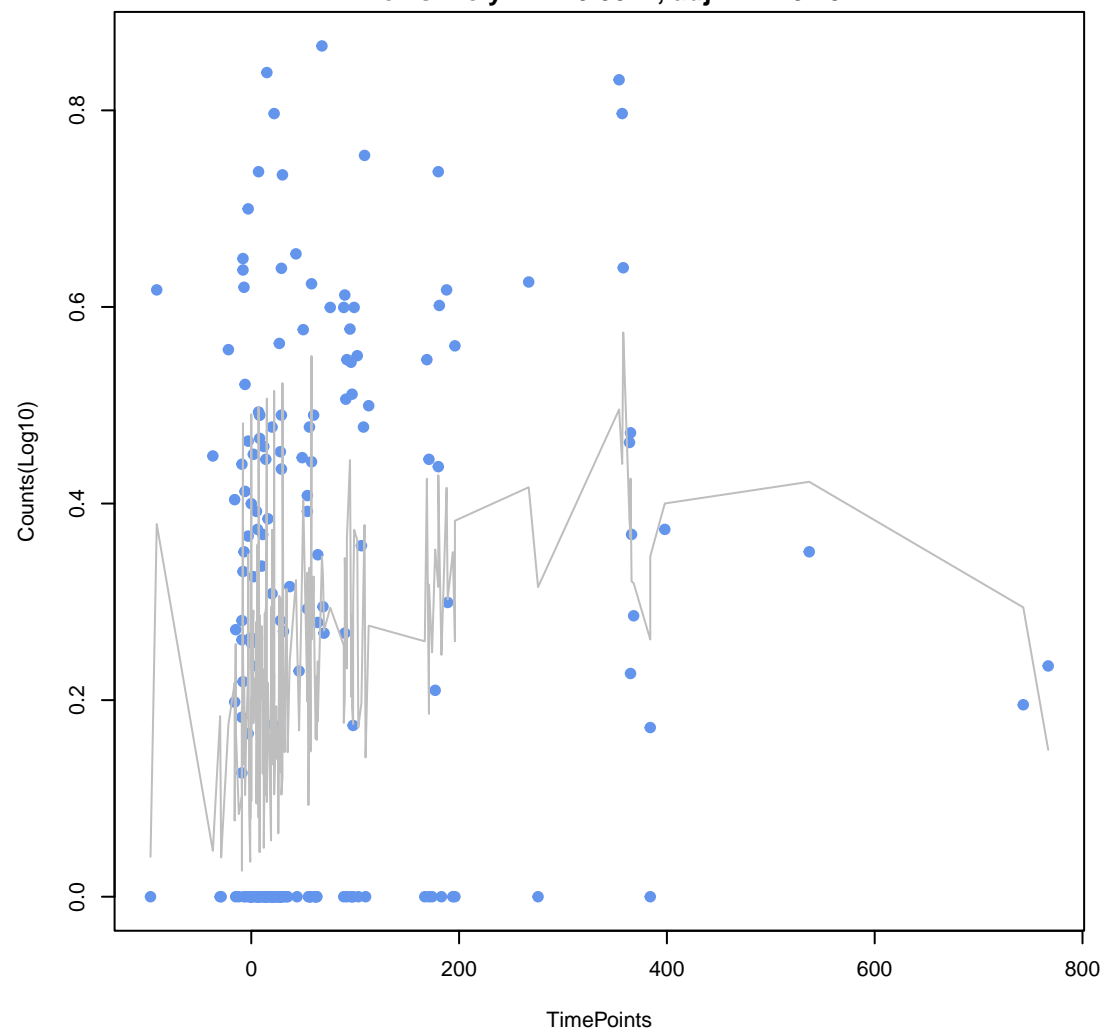


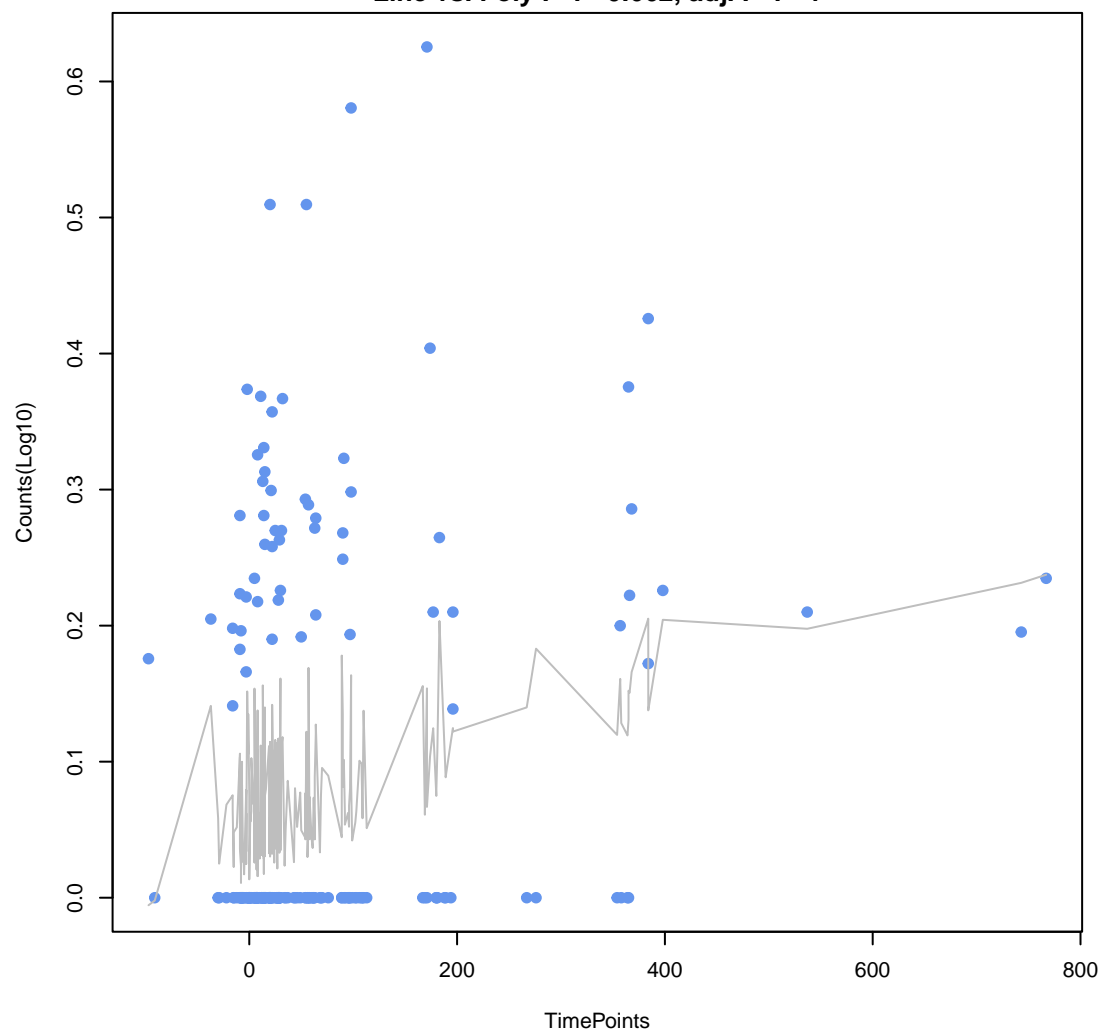
nimA
ANOVA $P=5.28e-06$, adj. ANOVA- $P=0.000565$
Line vs. Poly F- $P=0.0134$, adj. F- $P=0.239$



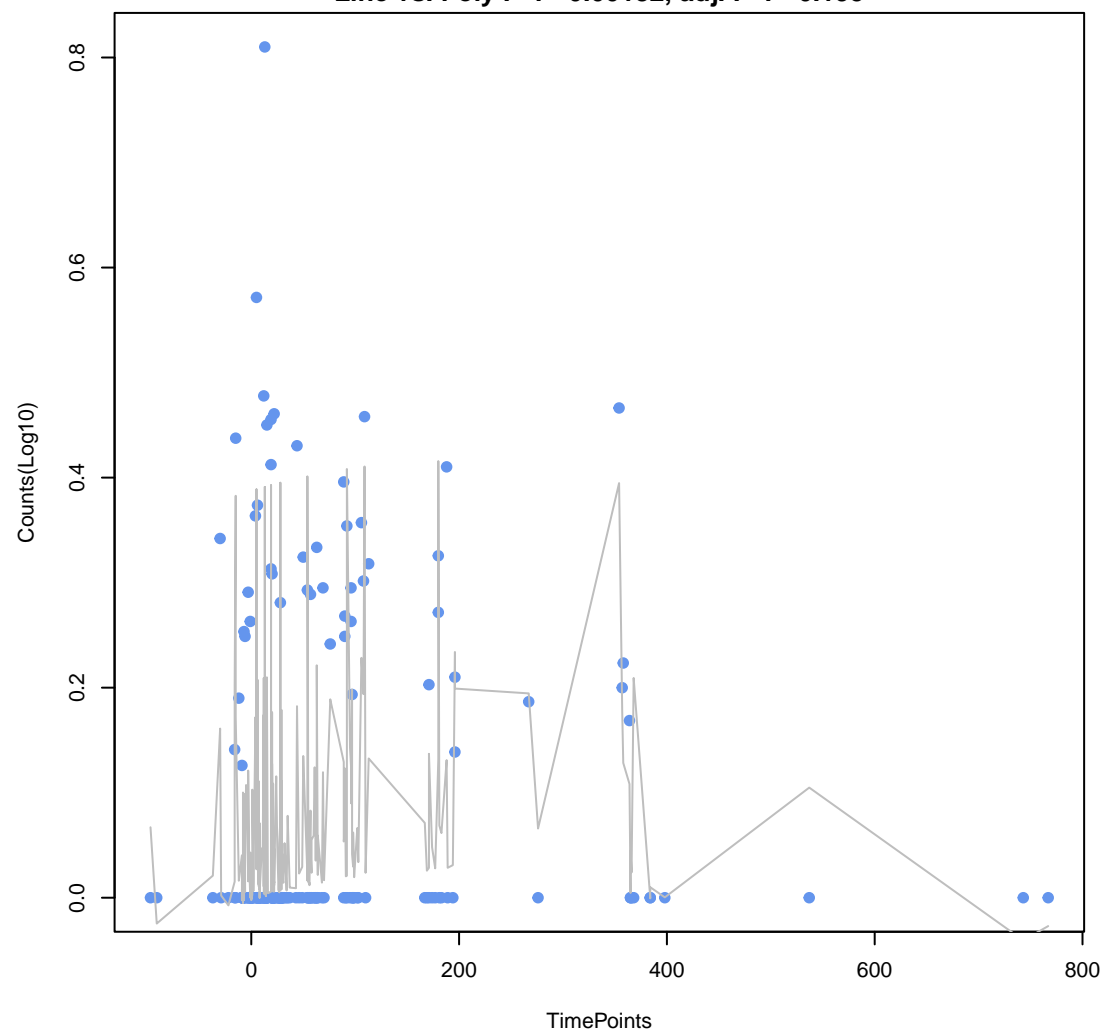
nimJ
ANOVA $P=0.000235$, adj. ANOVA- $P=0.0126$
Line vs. Poly F- $P=0.0041$, adj. F- $P=0.202$



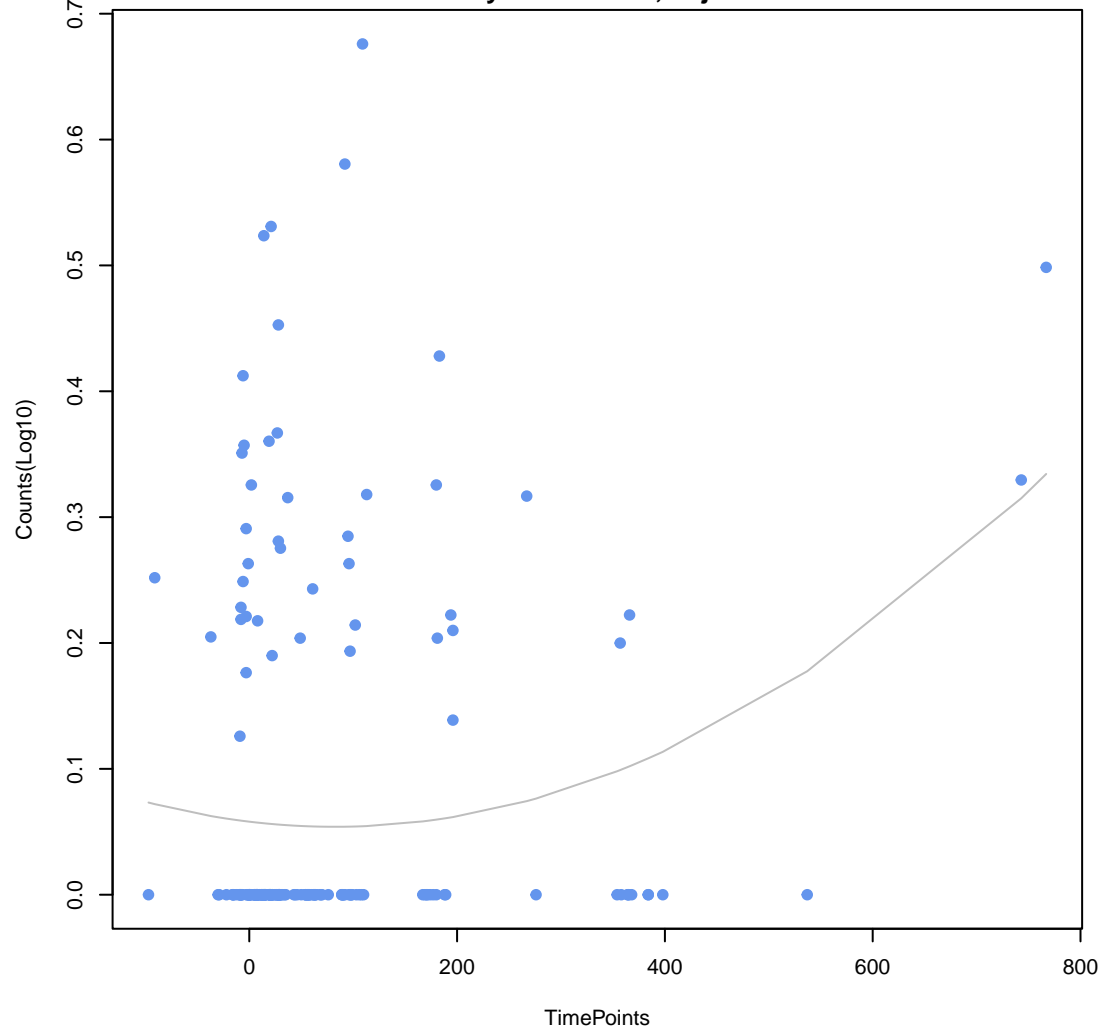
evgA
ANOVA $P=0.00452$, adj. ANOVA- $P=0.138$
Line vs. Poly F- $P=0.662$, adj. F- $P=1$



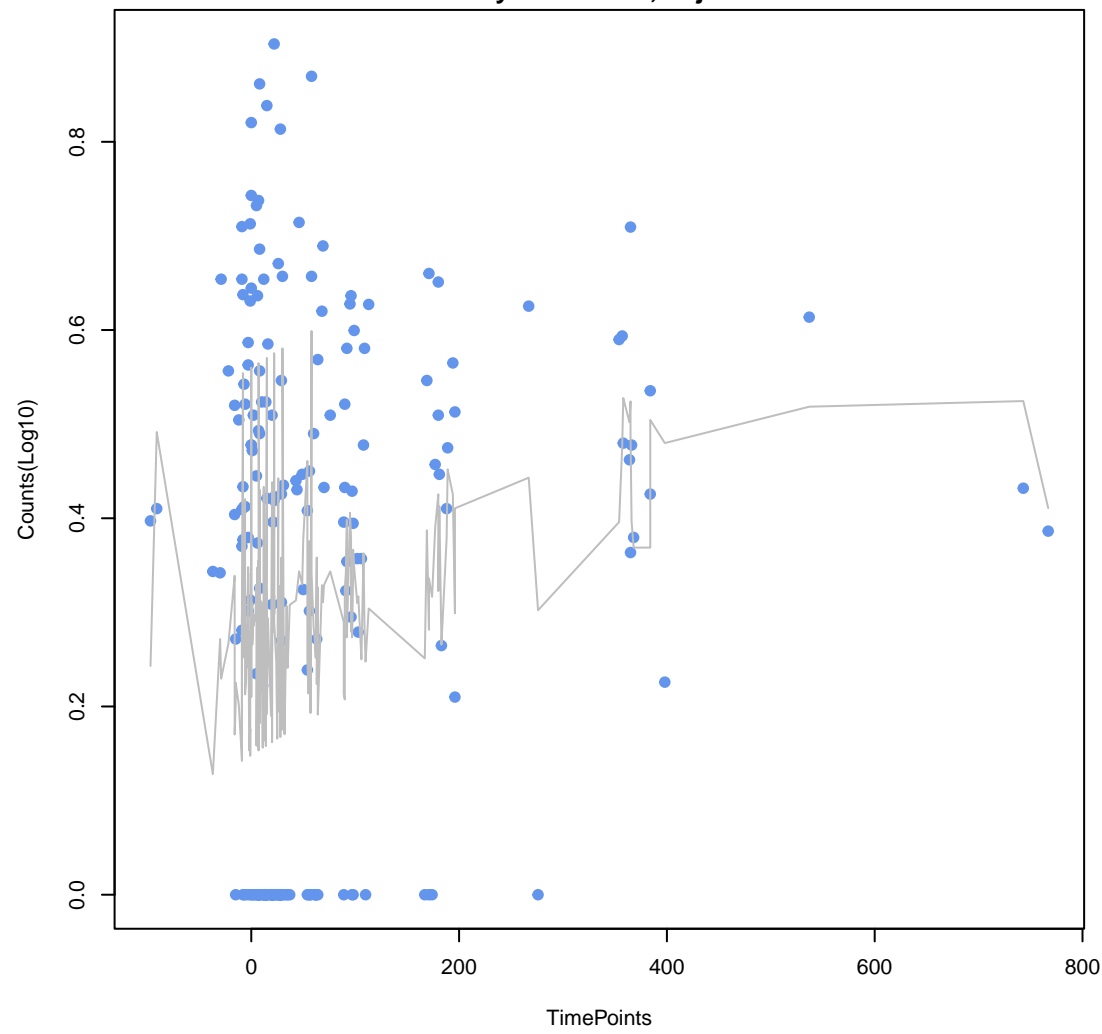
vanR gene in vanE cluster
ANOVA $P=0.0068$, adj. ANOVA- $P=0.138$
Line vs. Poly F- $P=0.00182$, adj. F- $P=0.195$



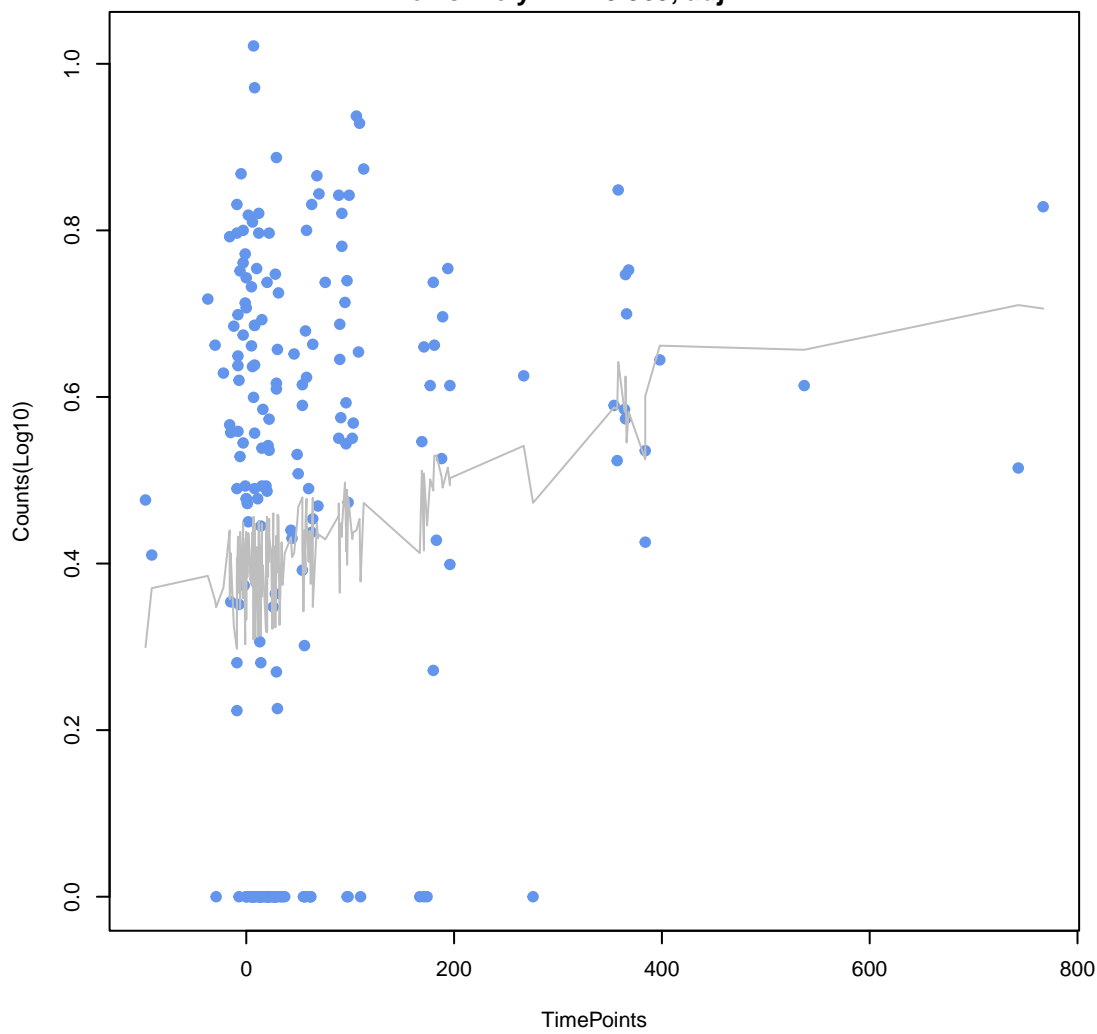
adeA
ANOVA $P=0.0069$, adj. ANOVA- $P=0.138$
Line vs. Poly F- $P=0.0558$, adj. F- $P=0.648$



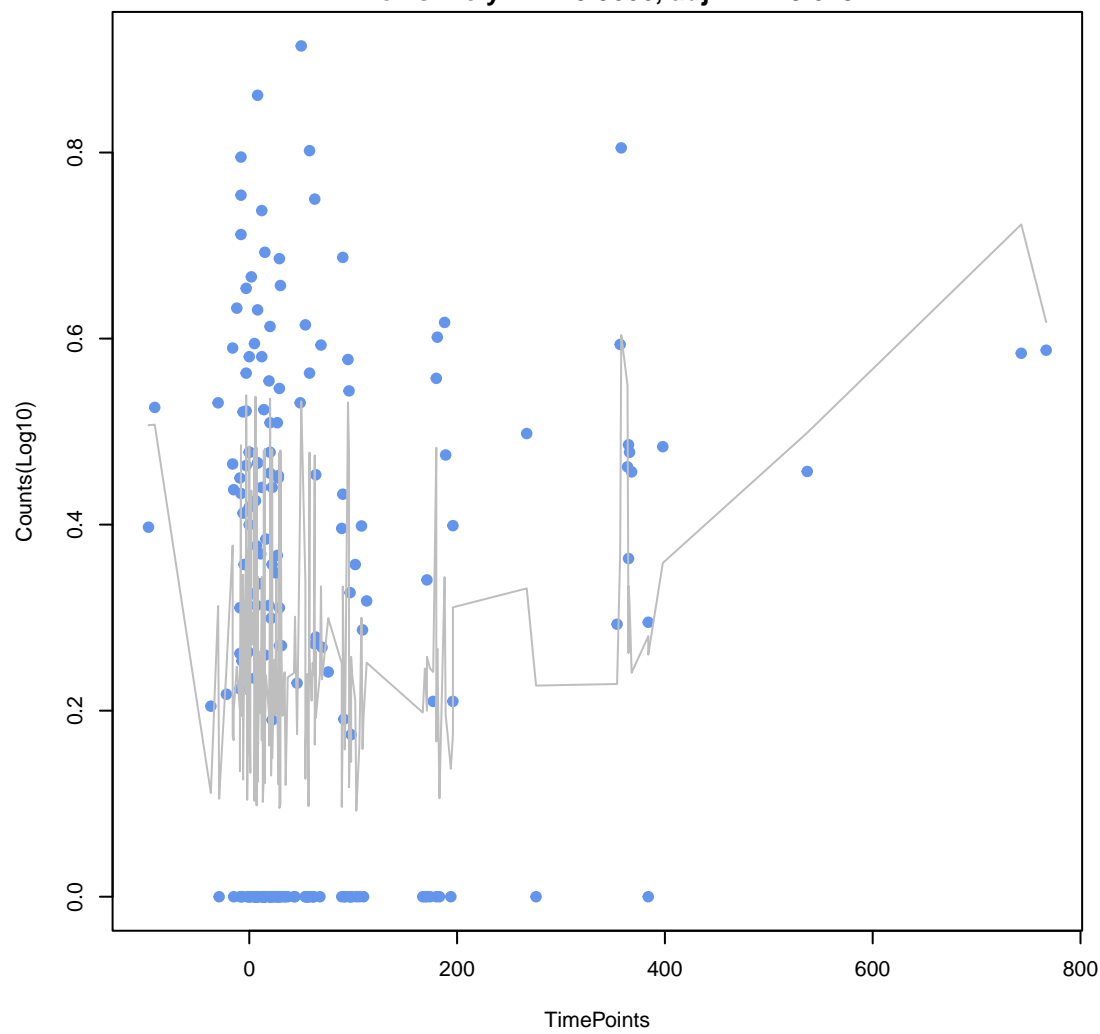
tet(36)
ANOVA $P=0.00772$, adj. ANOVA- $P=0.138$
Line vs. Poly F- $P=0.196$, adj. F- $P=0.913$



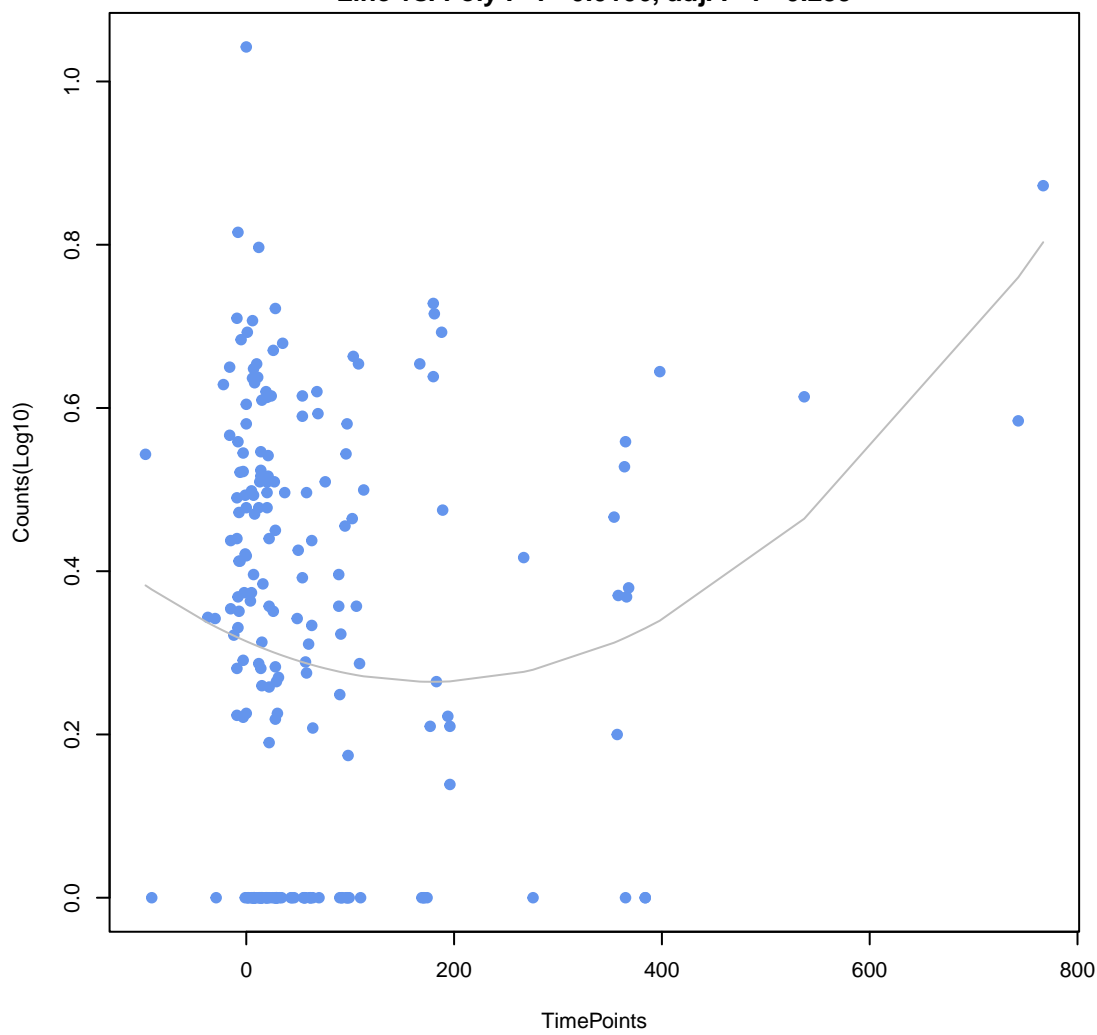
tet(T)
ANOVA P=0.0115, adj. ANOVA-P=0.176
Line vs. Poly F-P=0.369, adj. F-P=1



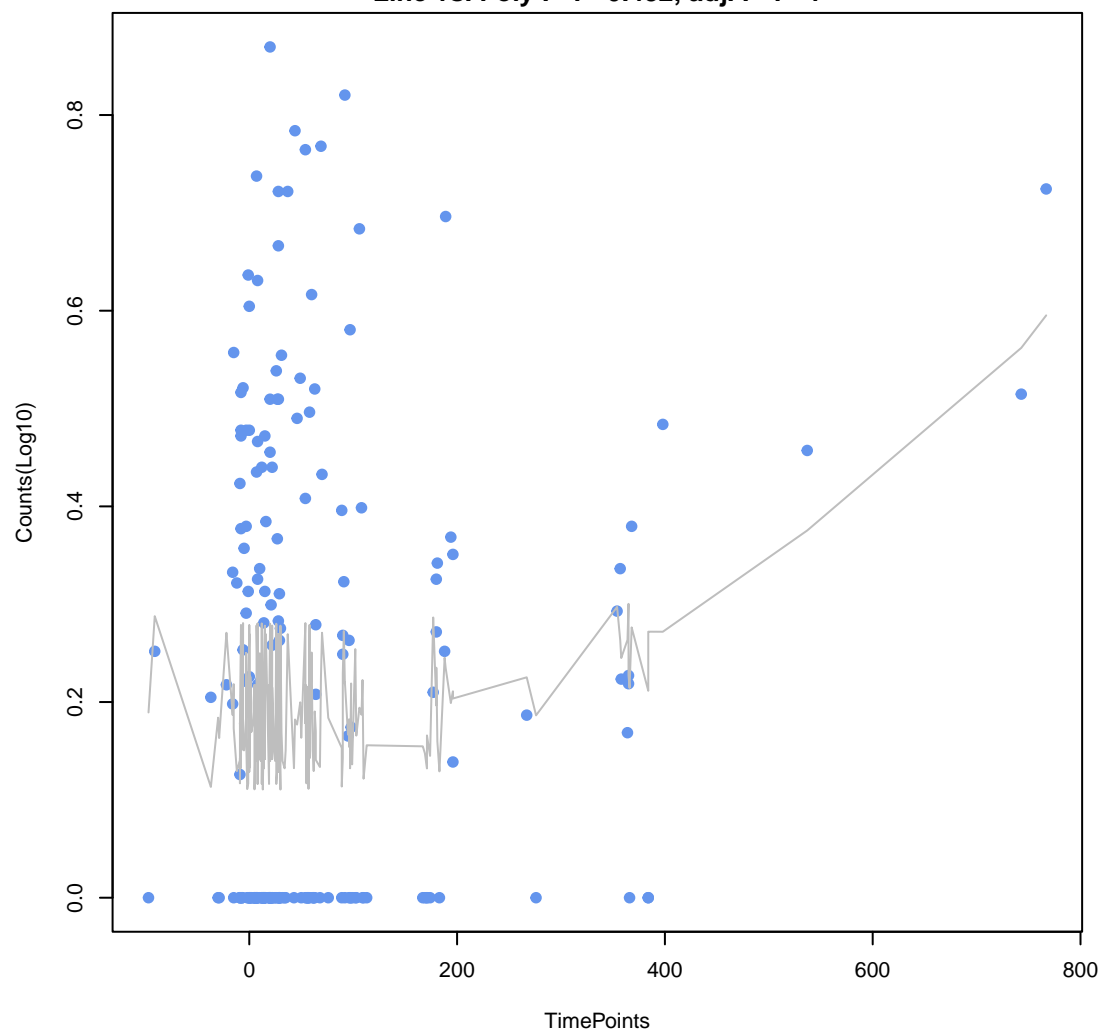
mefH
ANOVA P=0.0137, adj. ANOVA-P=0.178
Line vs. Poly F-P=0.0666, adj. F-P=0.648



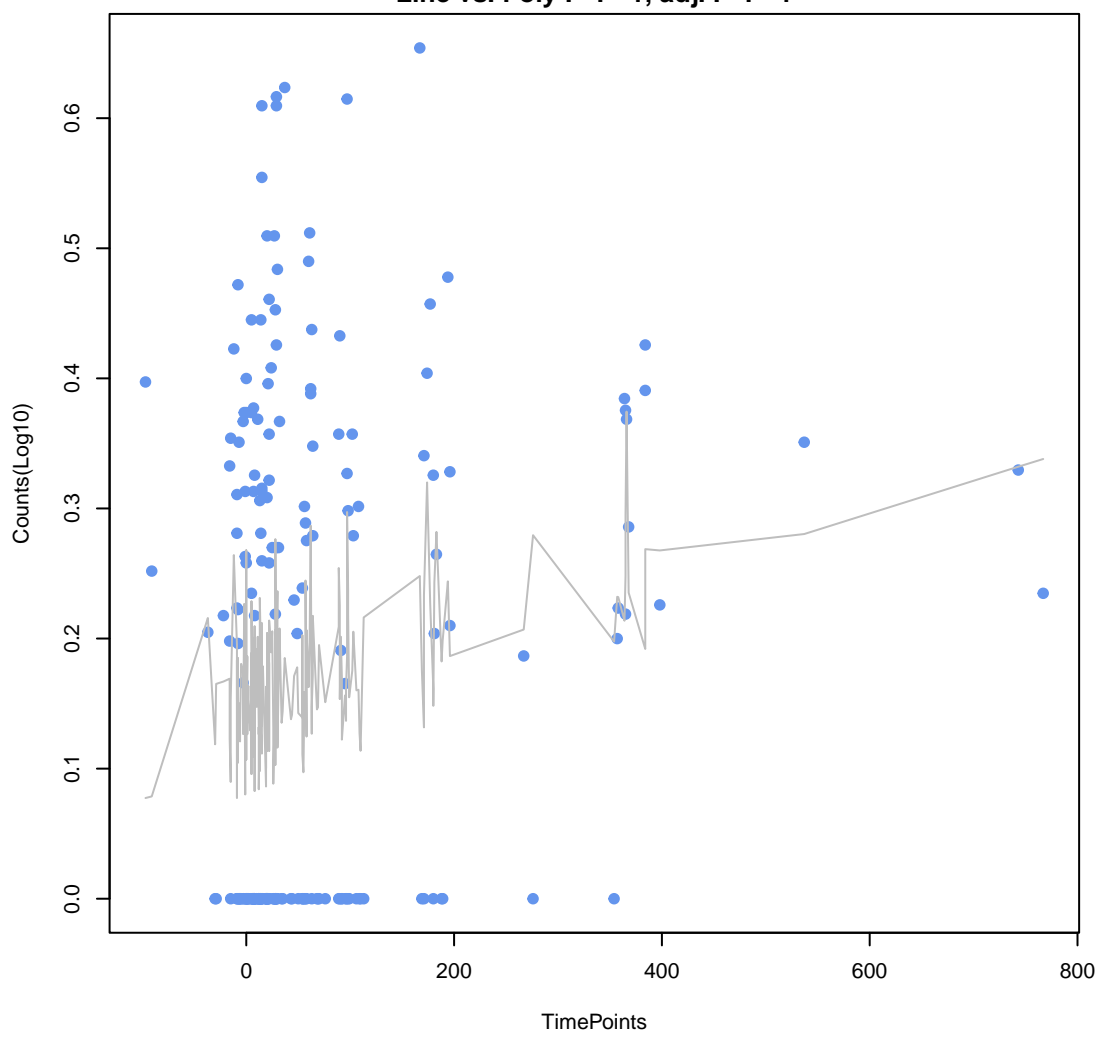
BlaB-16
ANOVA P=0.0149, adj. ANOVA-P=0.178
Line vs. Poly F-P=0.0106, adj. F-P=0.239



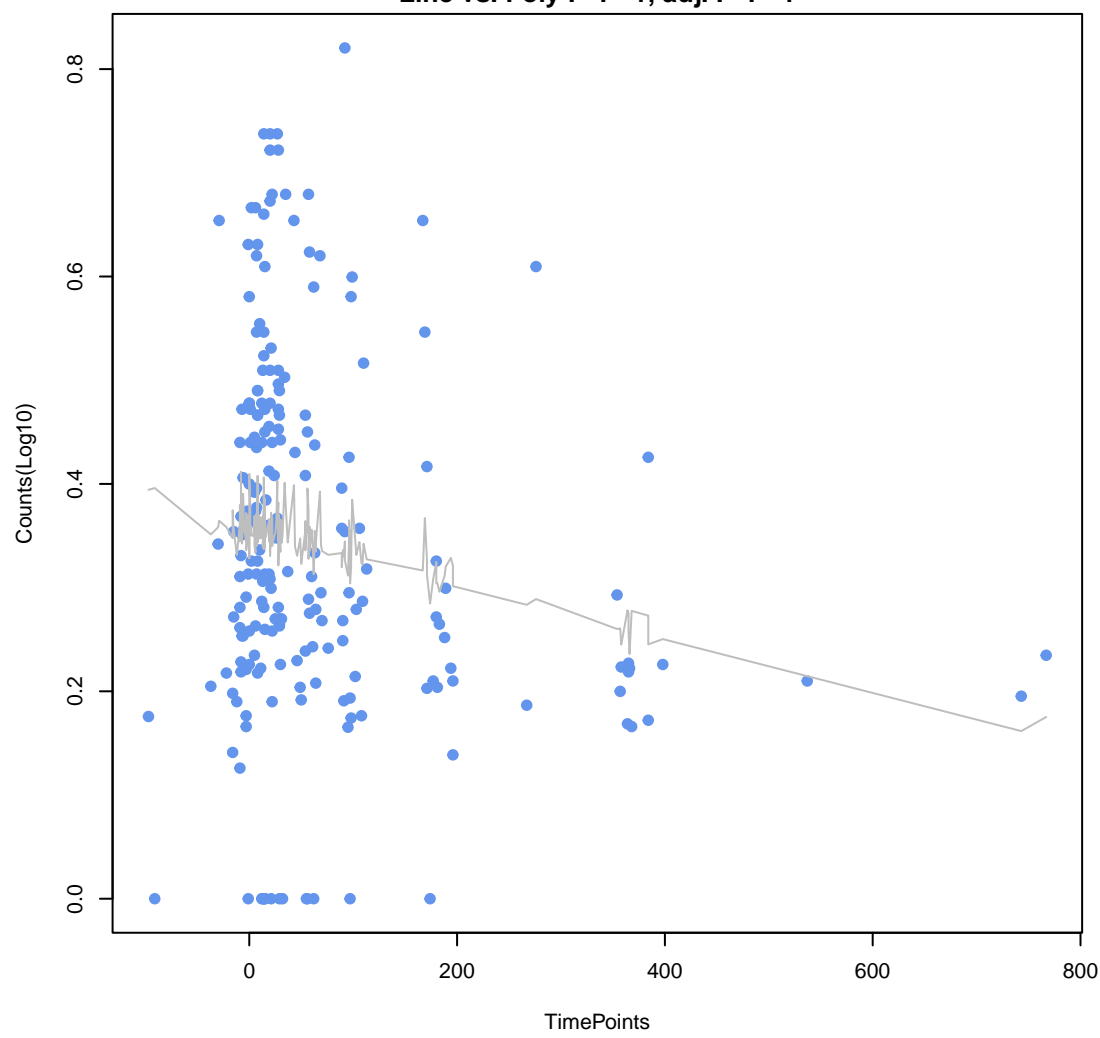
tet(44)
ANOVA P=0.0228, adj. ANOVA-P=0.244
Line vs. Poly F-P=0.432, adj. F-P=1



bacA
ANOVA P=0.0288, adj. ANOVA-P=0.28
Line vs. Poly F-P=1, adj. F-P=1

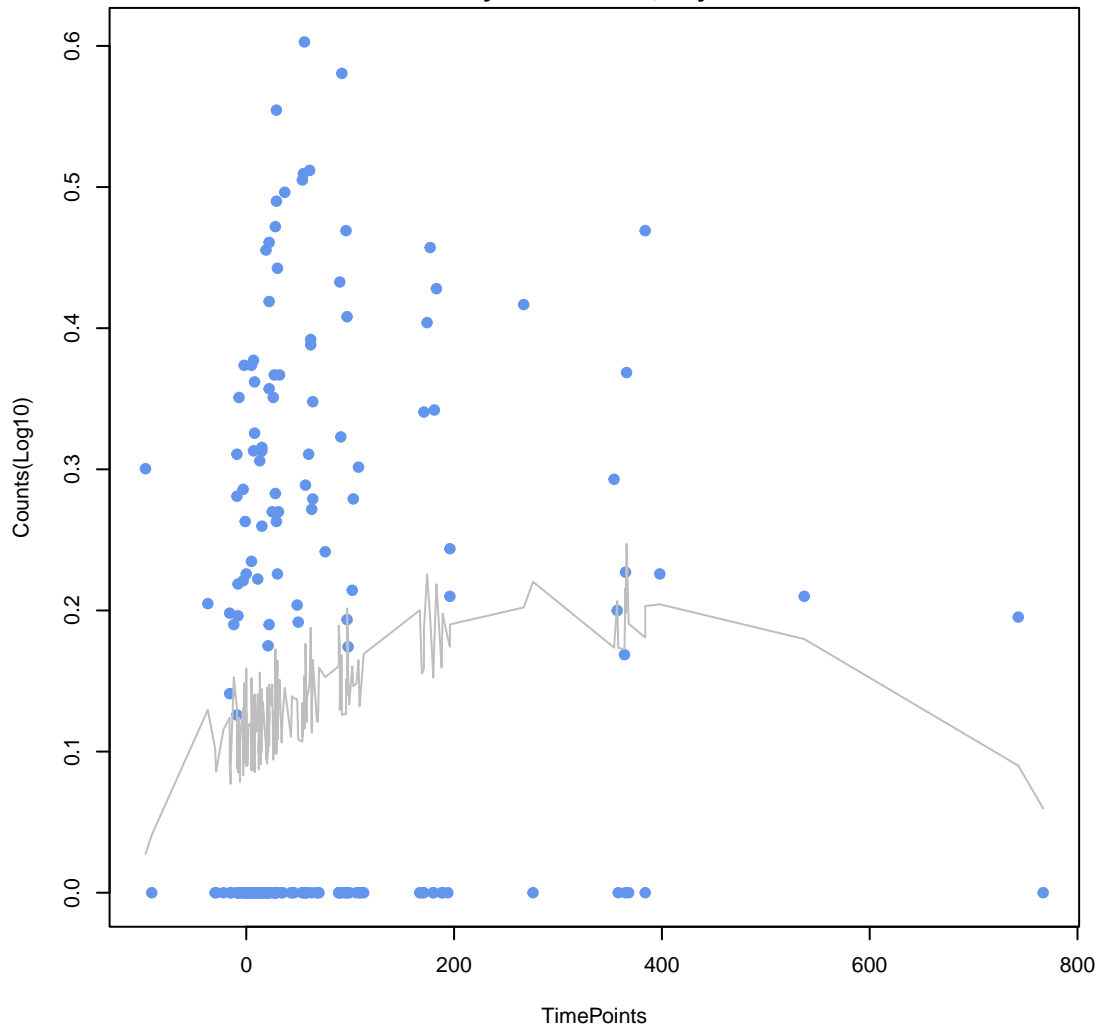


ErmB
ANOVA P=0.0468, adj. ANOVA-P=0.417
Line vs. Poly F-P=1, adj. F-P=1



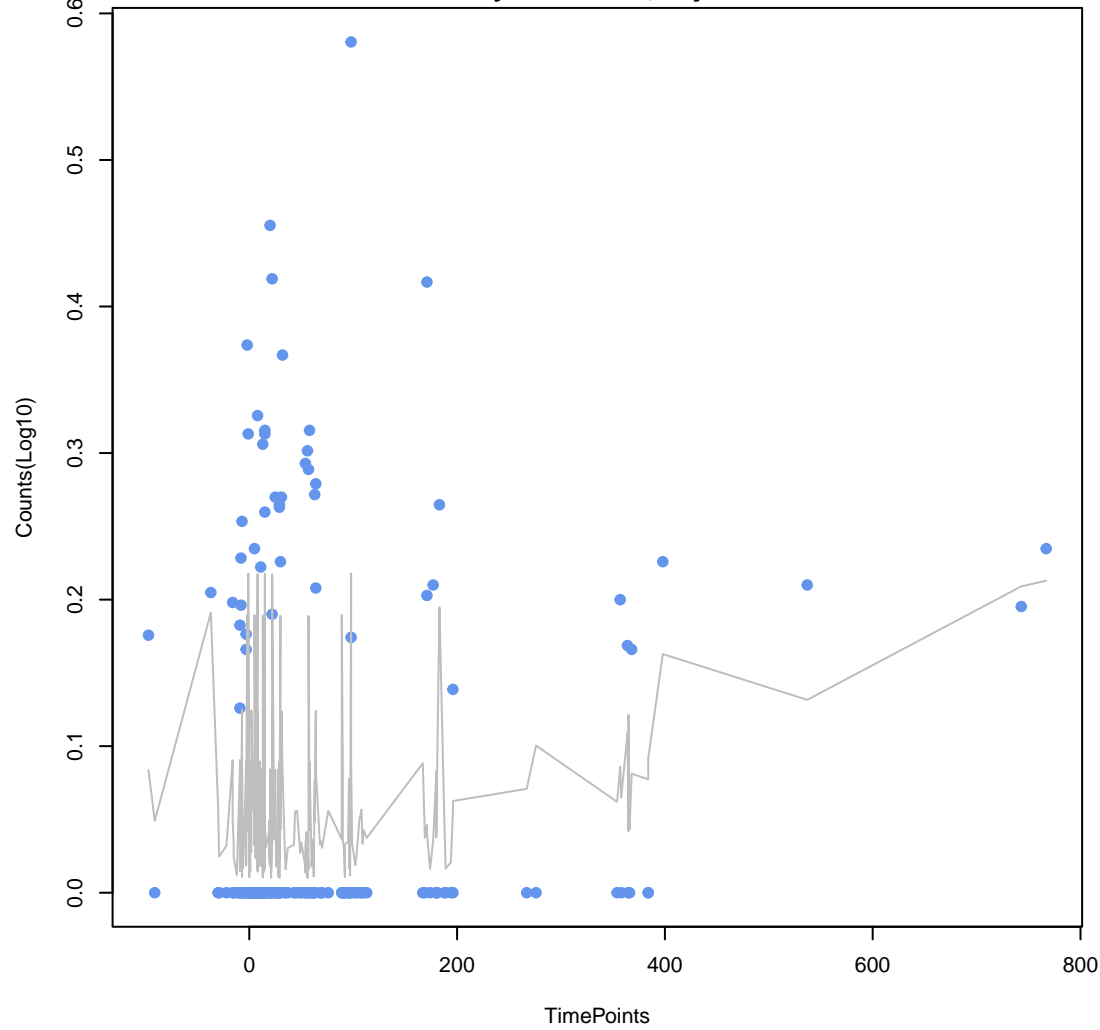
emrB

ANOVA P=0.0571, adj. ANOVA-P=0.432
Line vs. Poly F-P=0.0974, adj. F-P=0.745



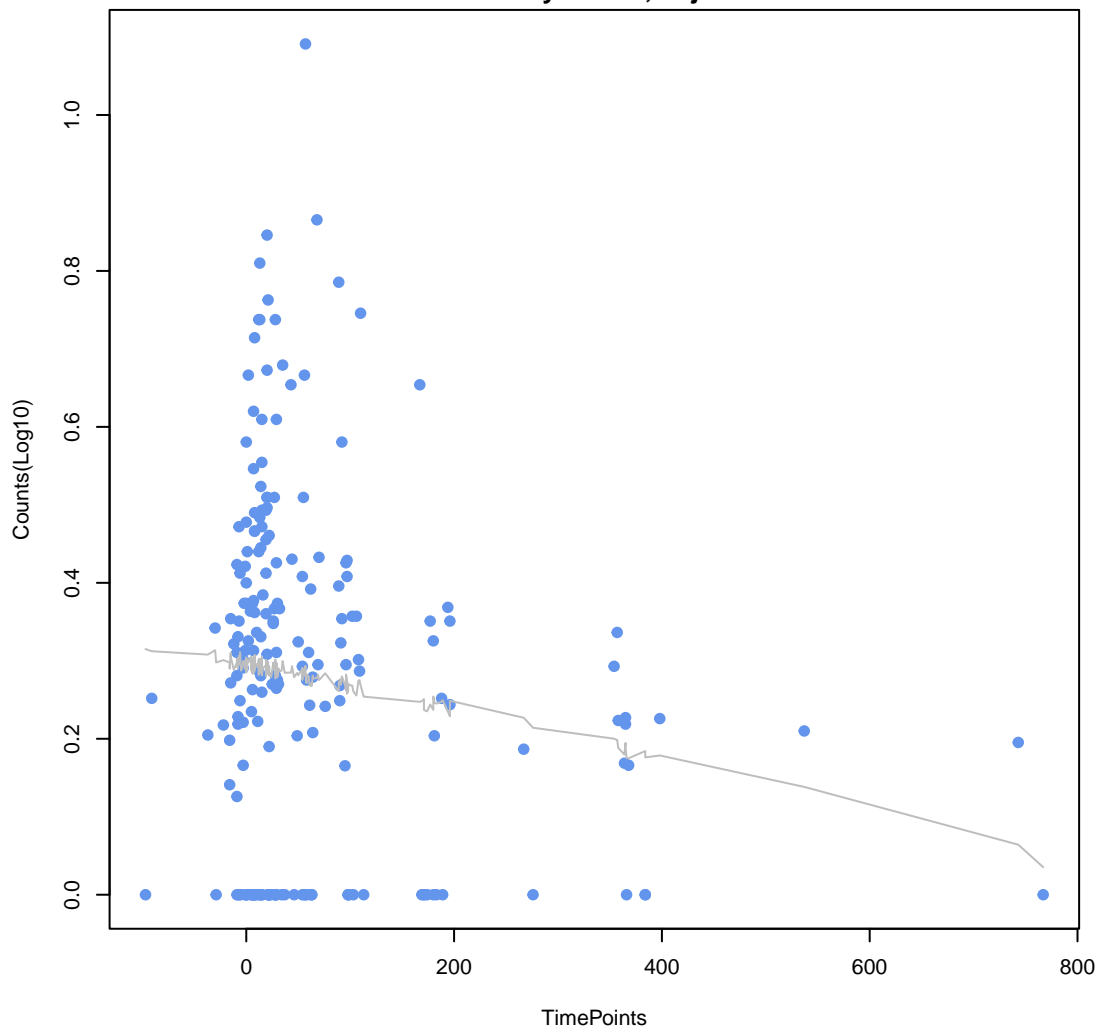
gadW

ANOVA P=0.0606, adj. ANOVA-P=0.432
Line vs. Poly F-P=0.239, adj. F-P=0.948

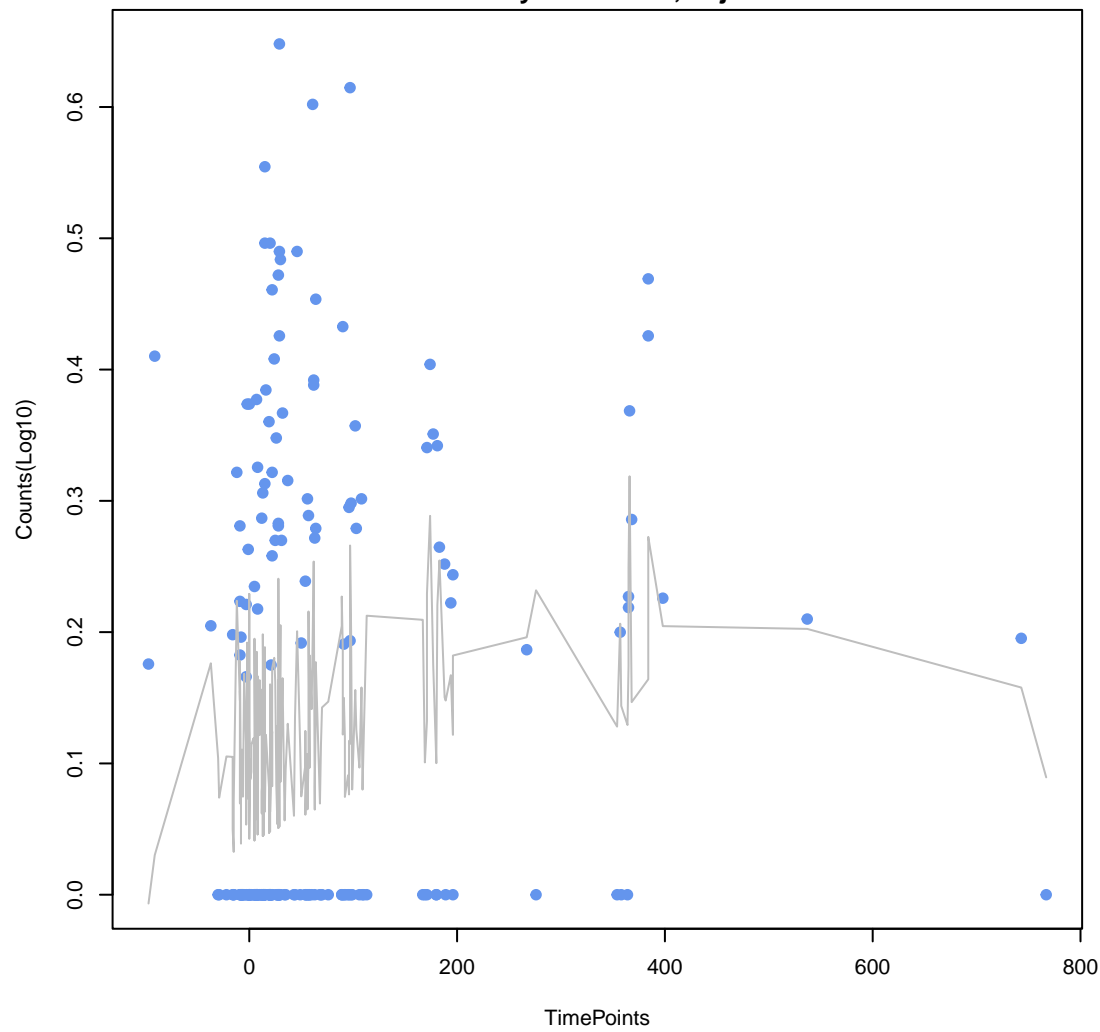


ErmF

ANOVA P=0.0641, adj. ANOVA-P=0.432
Line vs. Poly F-P=1, adj. F-P=1

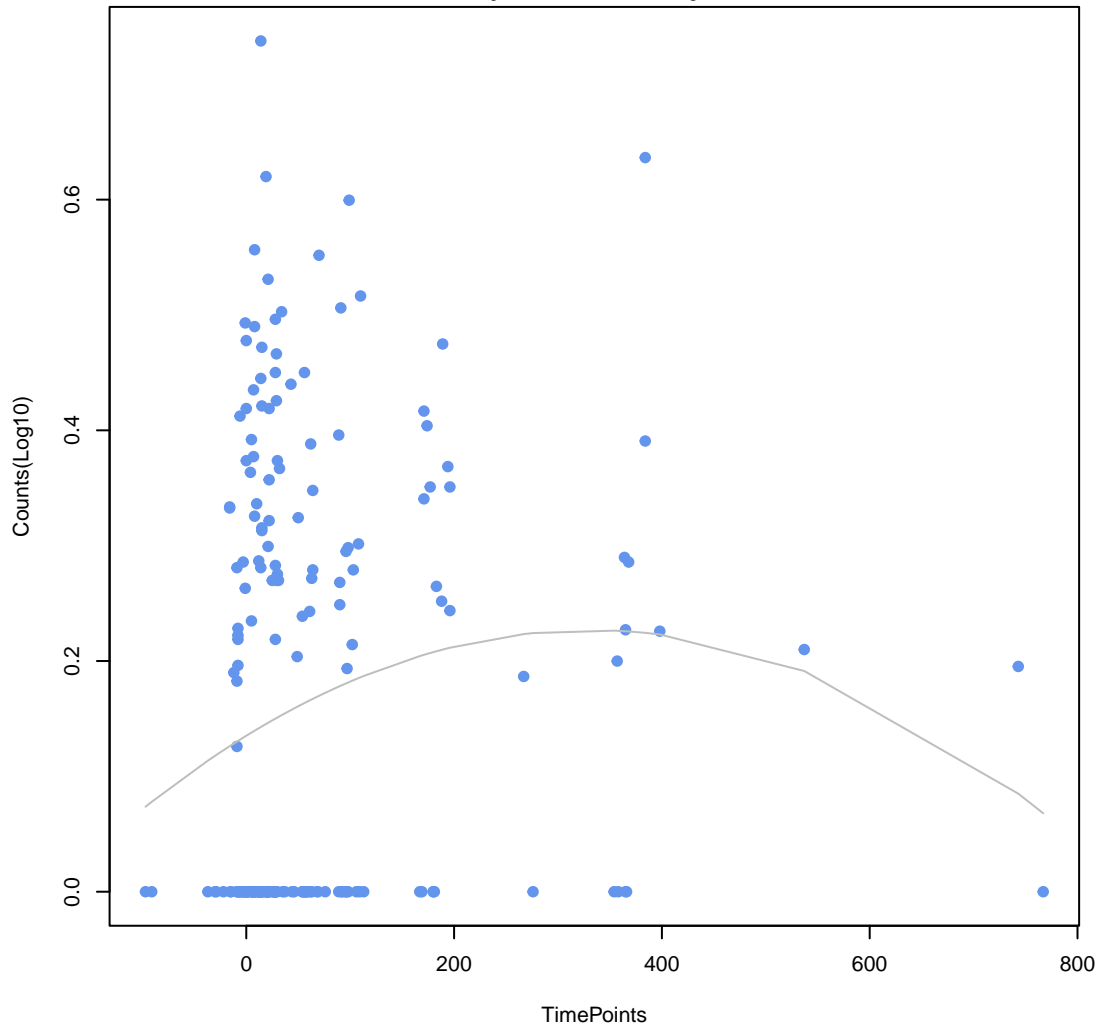


scherrichia coli AcrAB-TolC with MarR mutations conferring resistance to ciprofloxacin and
ANOVA P=0.0668, adj. ANOVA-P=0.432
Line vs. Poly F-P=0.309, adj. F-P=1



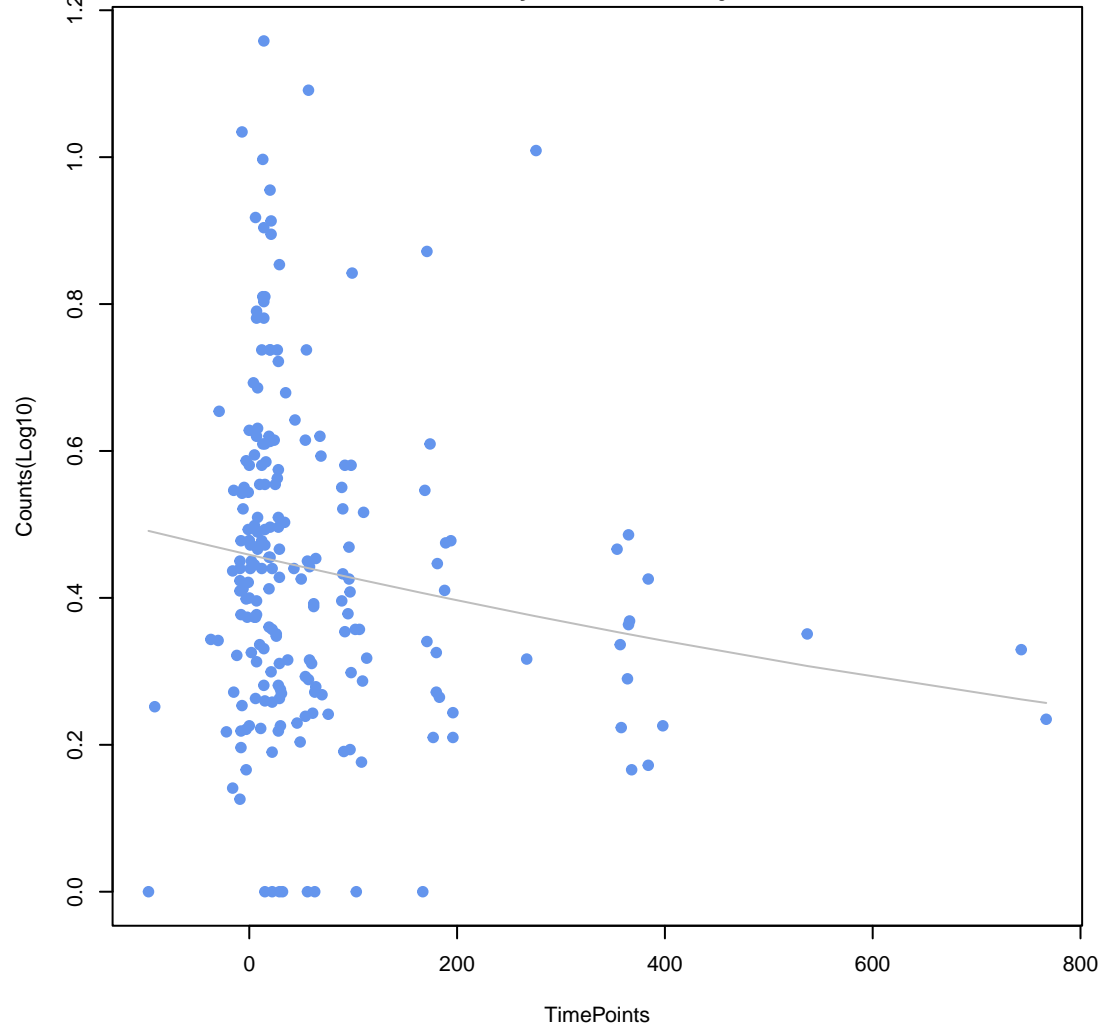
mdtM

ANOVA P=0.0748, adj. ANOVA-P=0.432
Line vs. Poly F-P=0.062, adj. F-P=0.648

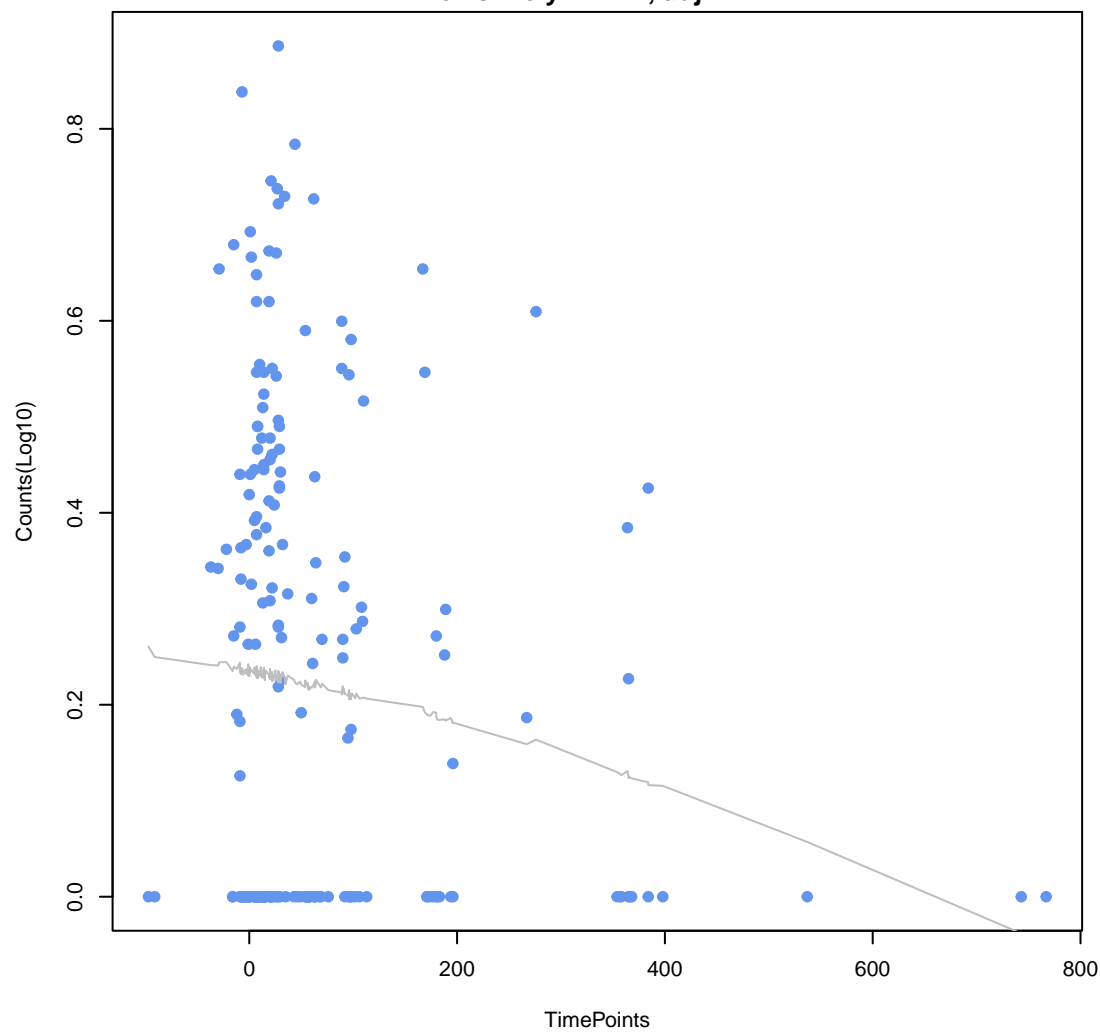


tet(W)

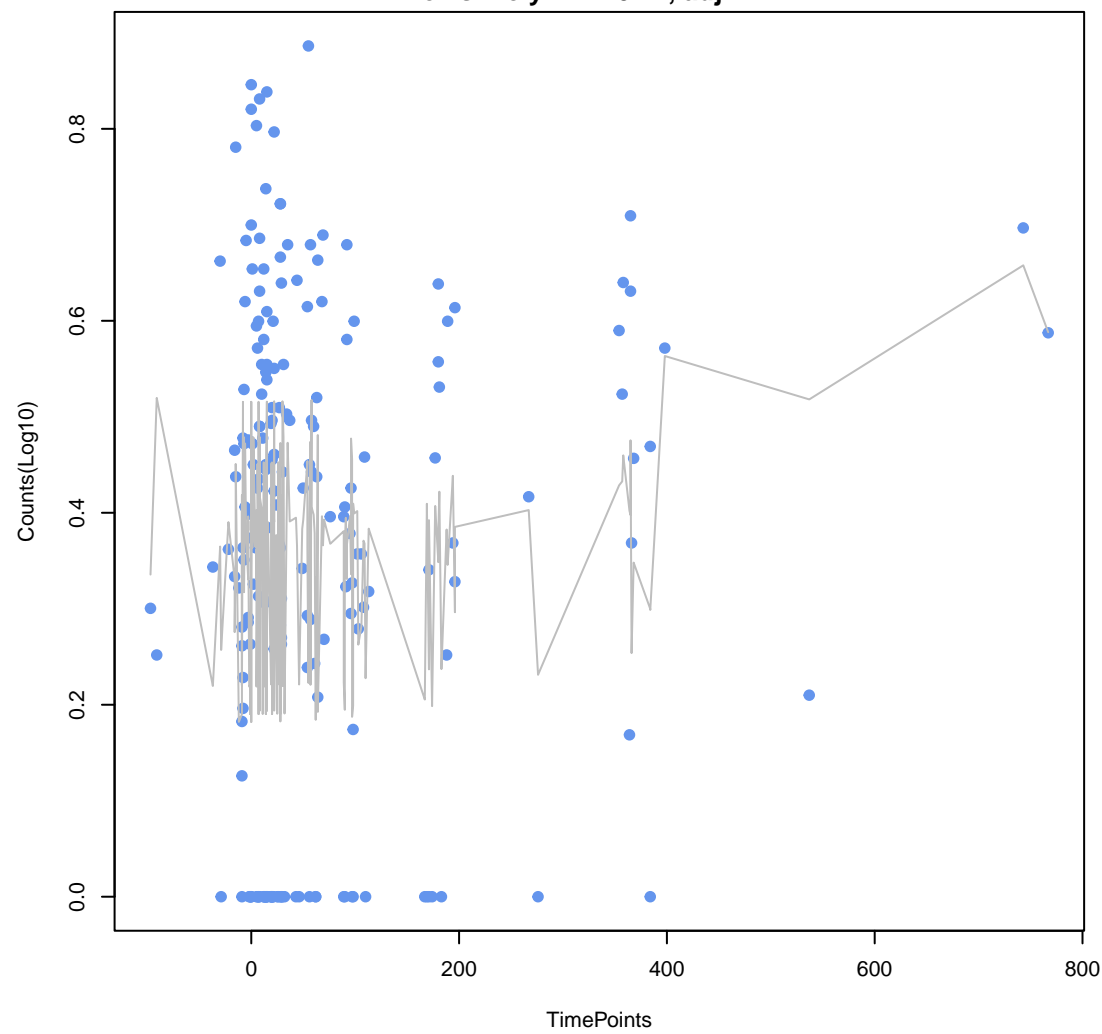
ANOVA P=0.0766, adj. ANOVA-P=0.432
Line vs. Poly F-P=0.872, adj. F-P=1



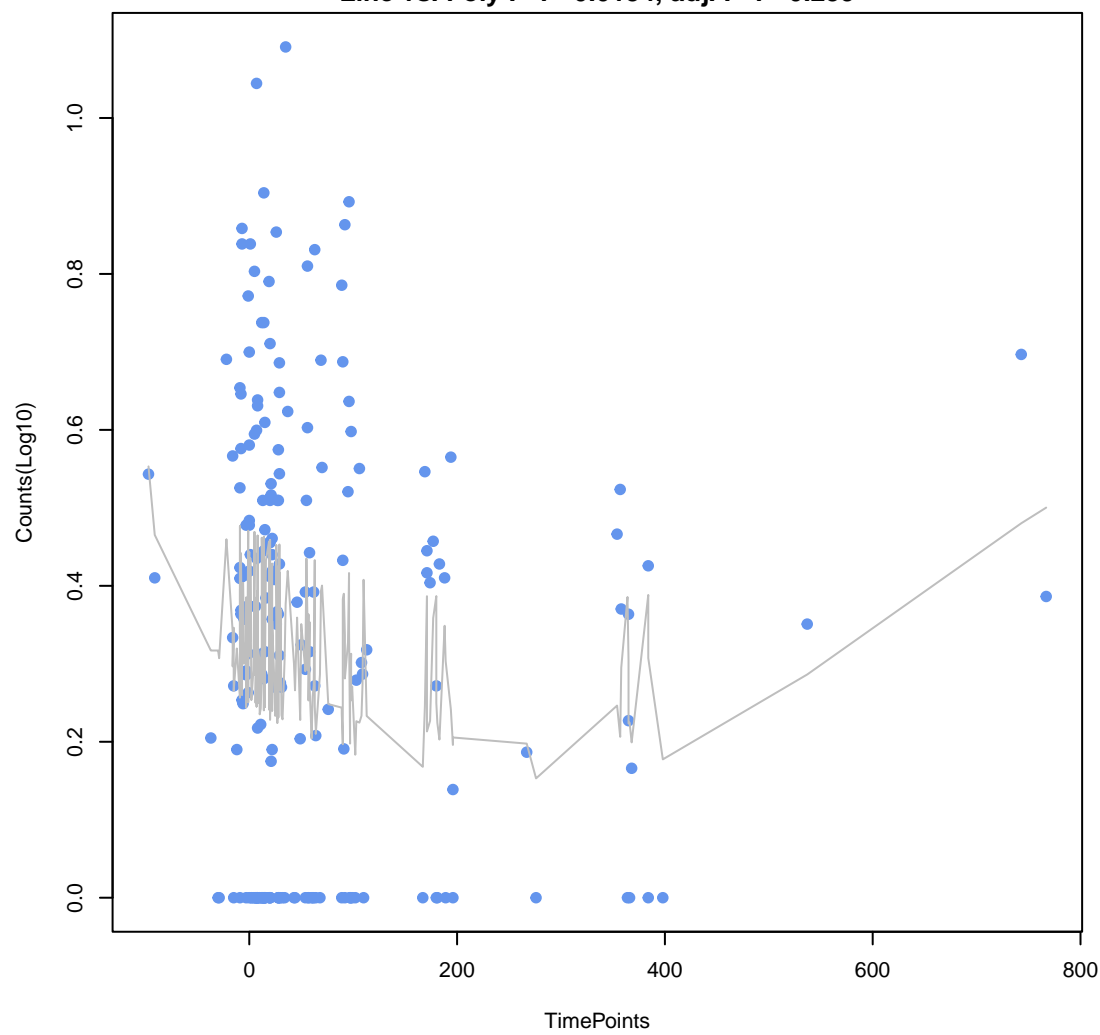
vanH gene in vanA cluster
ANOVA P=0.0768, adj. ANOVA-P=0.432
Line vs. Poly F-P=1, adj. F-P=1



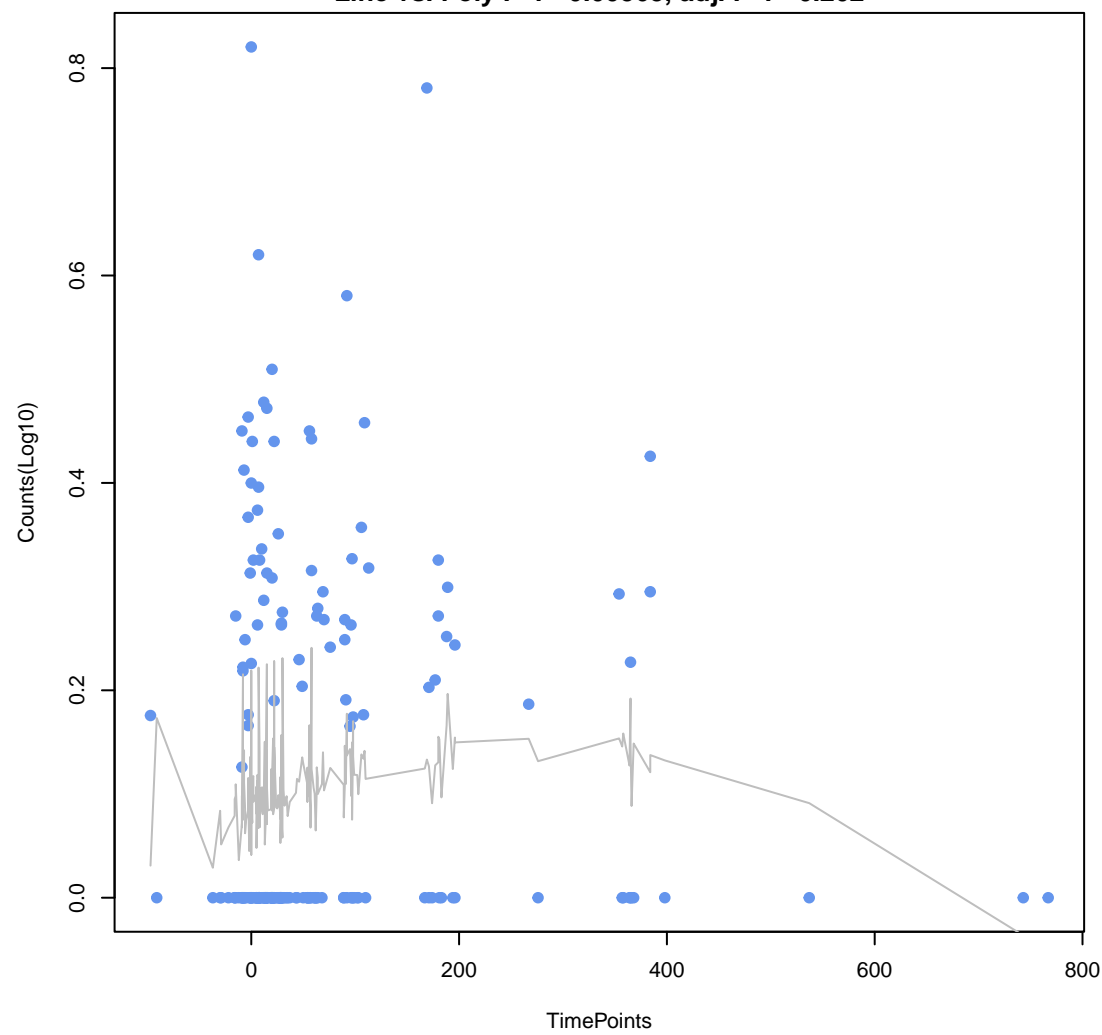
tet(32)
ANOVA P=0.0938, adj. ANOVA-P=0.502
Line vs. Poly F-P=0.44, adj. F-P=1



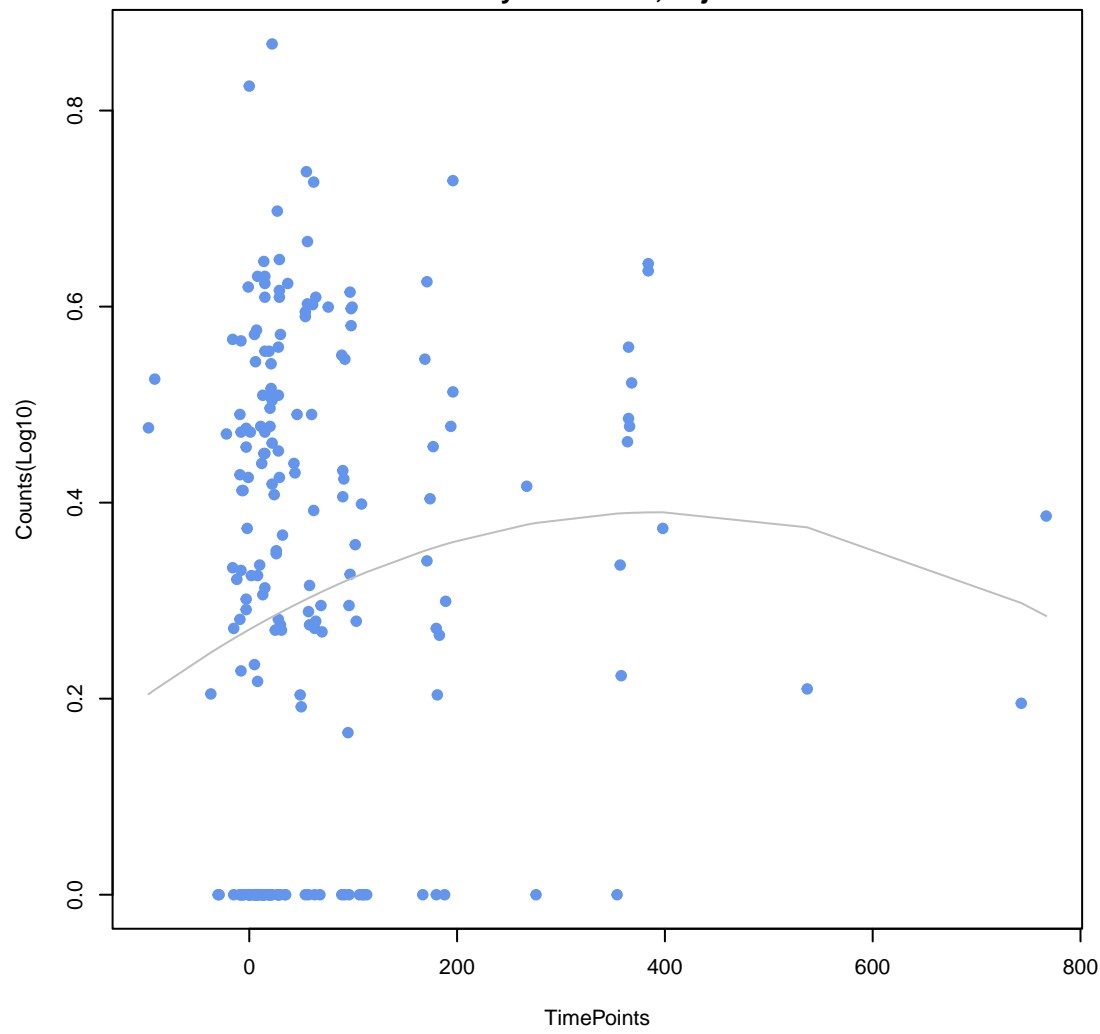
Bifidobacterium adolescentis rpoB mutants conferring resistance to rifampicin
ANOVA P=0.0993, adj. ANOVA-P=0.506
Line vs. Poly F-P=0.0134, adj. F-P=0.239



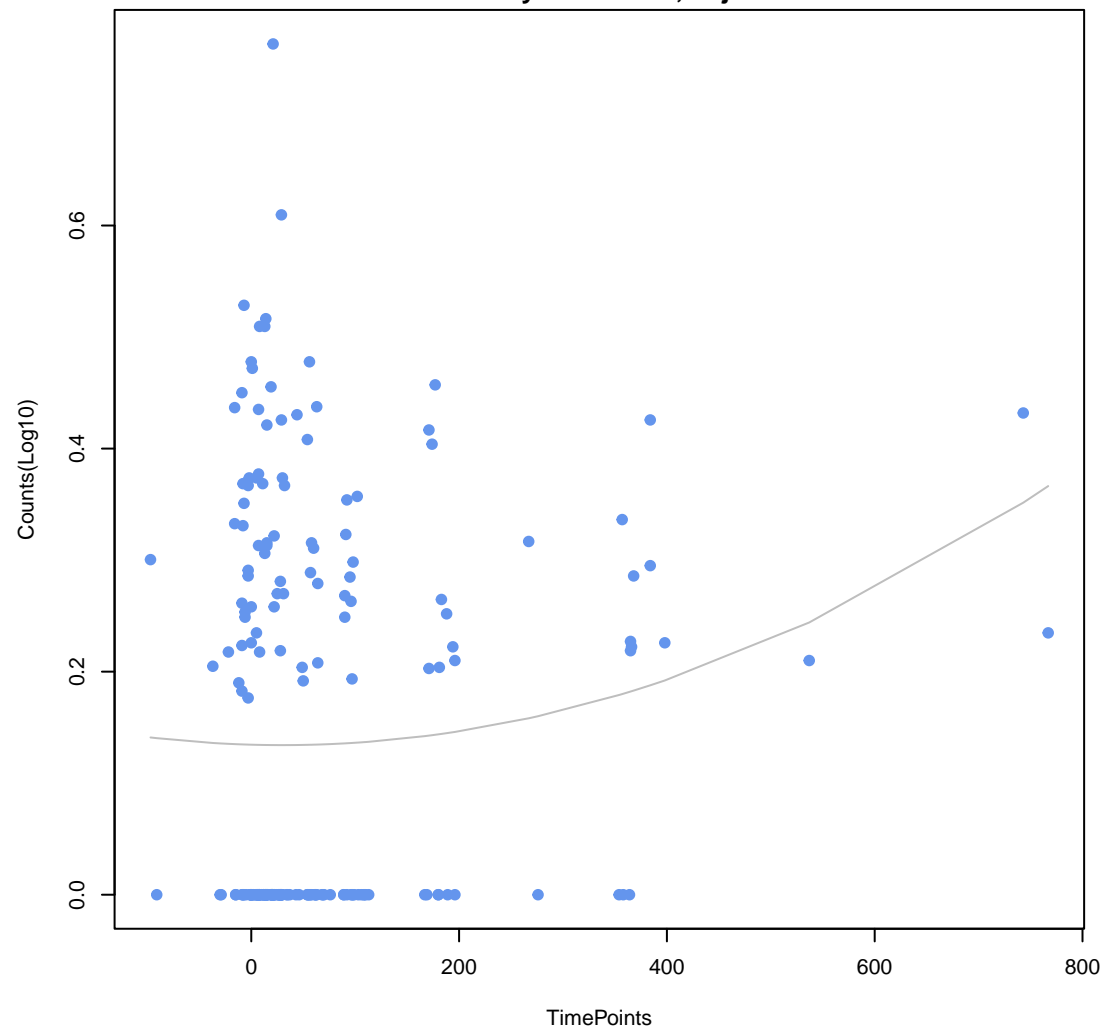
farB
ANOVA P=0.107, adj. ANOVA-P=0.51
Line vs. Poly F-P=0.00565, adj. F-P=0.202



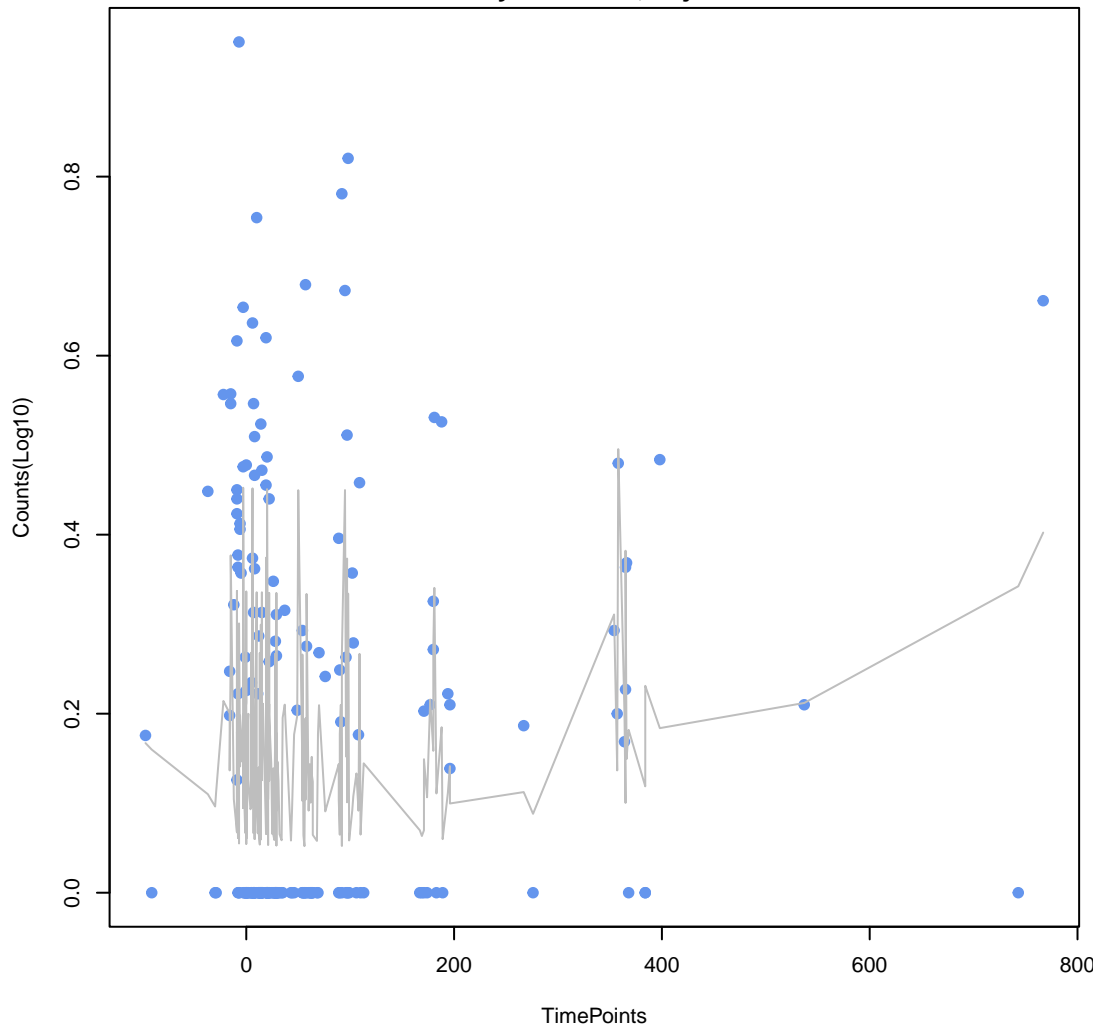
mdtB
ANOVA P=0.11, adj. ANOVA-P=0.51
Line vs. Poly F-P=0.217, adj. F-P=0.94



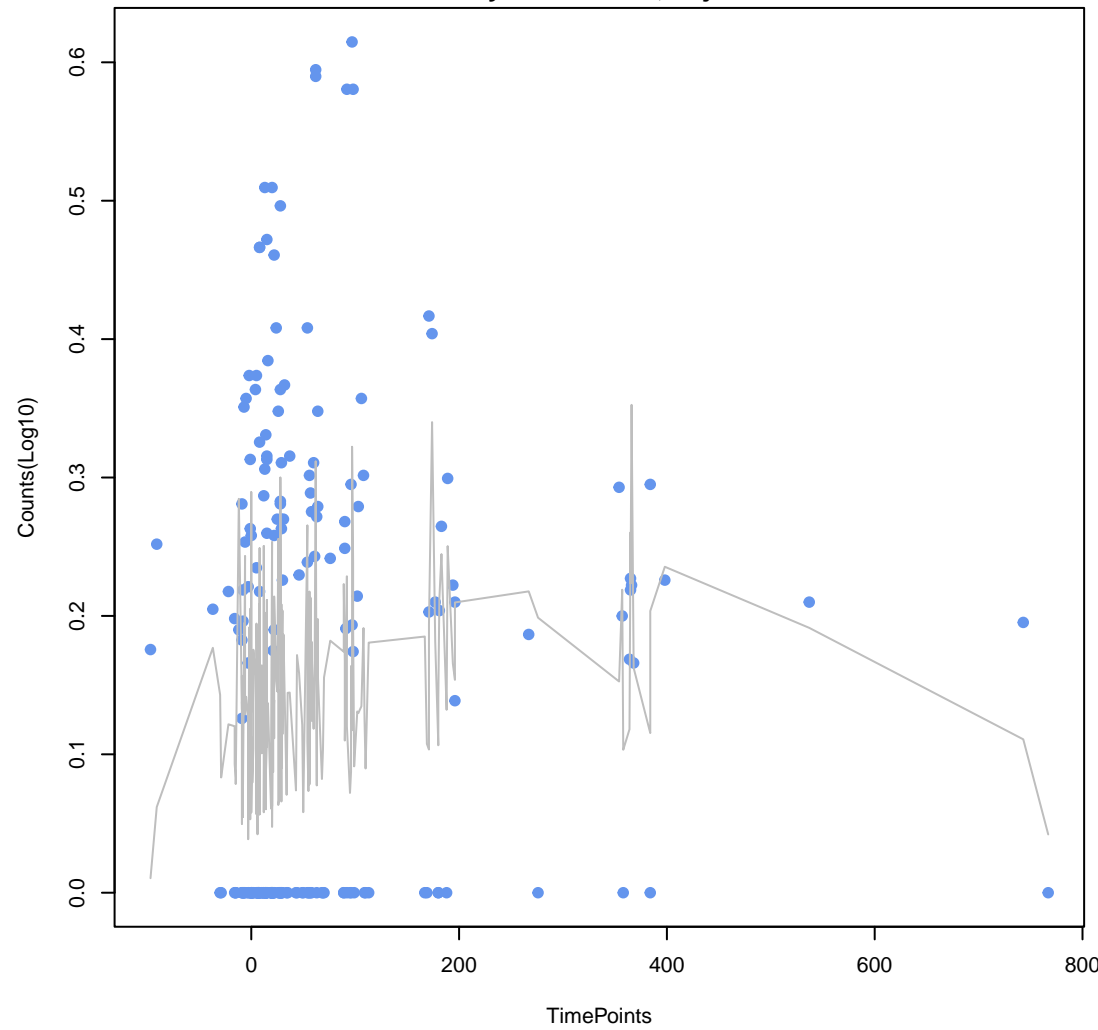
mdtH
ANOVA P=0.115, adj. ANOVA-P=0.513
Line vs. Poly F-P=0.303, adj. F-P=1



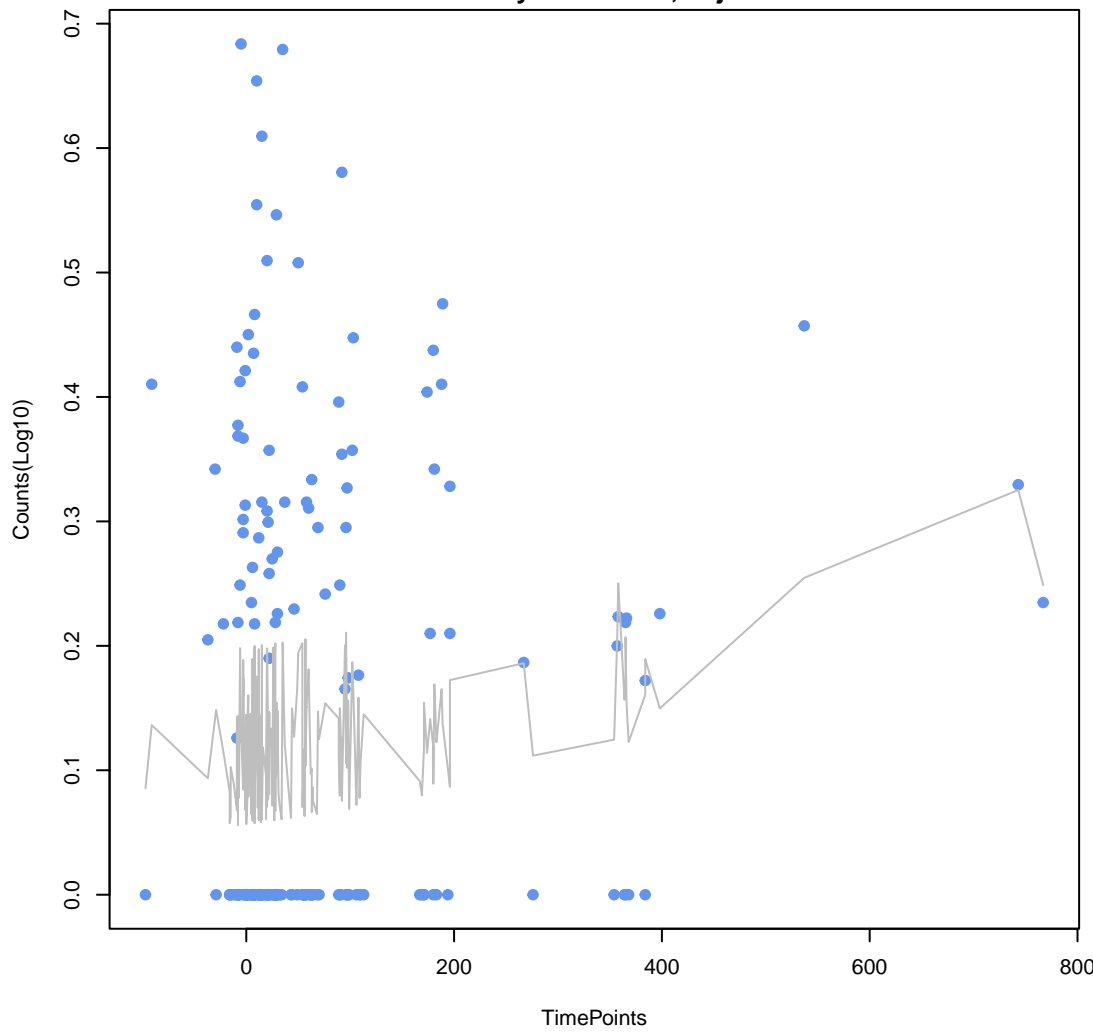
APH(6)-Ic
ANOVA $P=0.127$, adj. ANOVA- $P=0.526$
Line vs. Poly F- $P=0.19$, adj. F- $P=0.913$



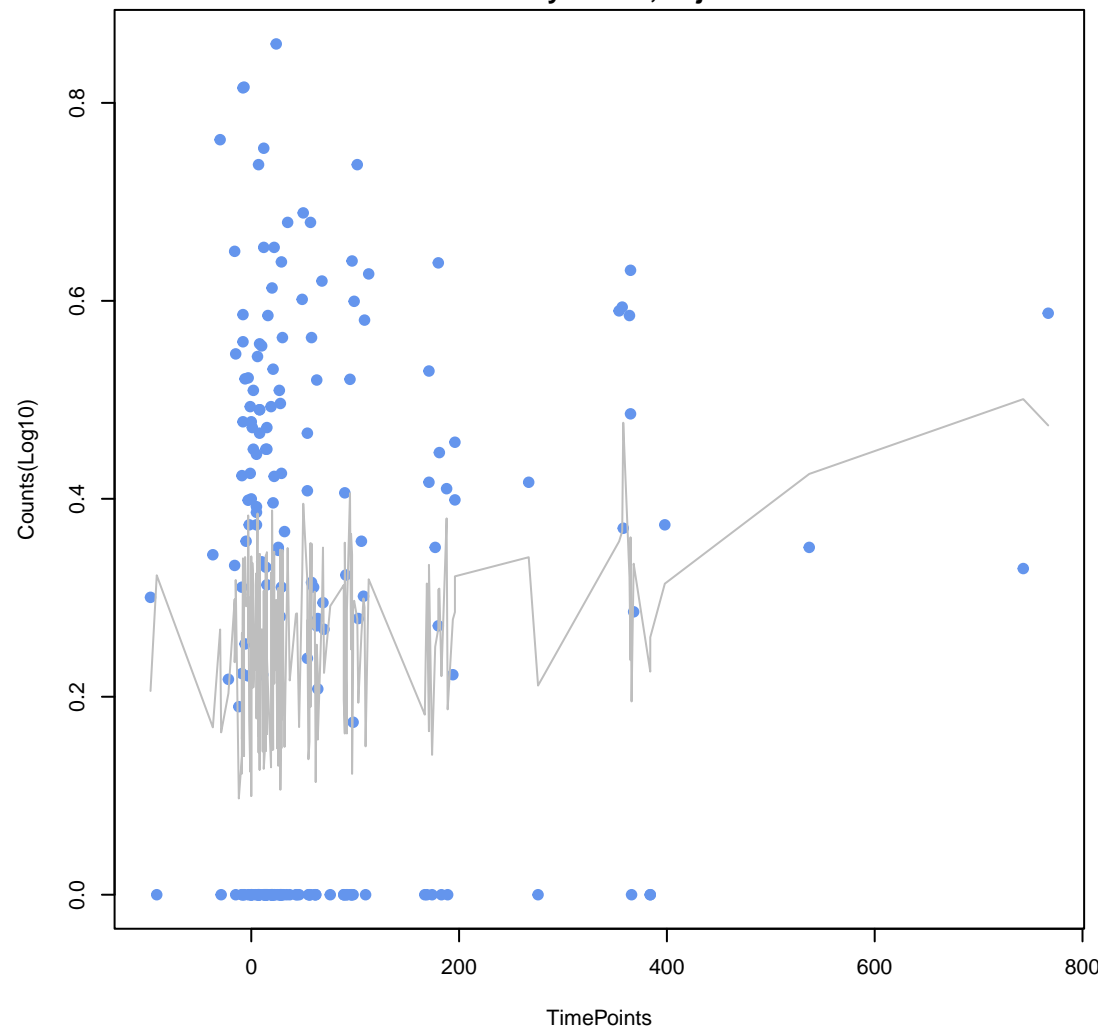
Escherichia coli EF-Tu mutants conferring resistance to Pulvomycin
ANOVA $P=0.128$, adj. ANOVA- $P=0.526$
Line vs. Poly F- $P=0.0823$, adj. F- $P=0.677$



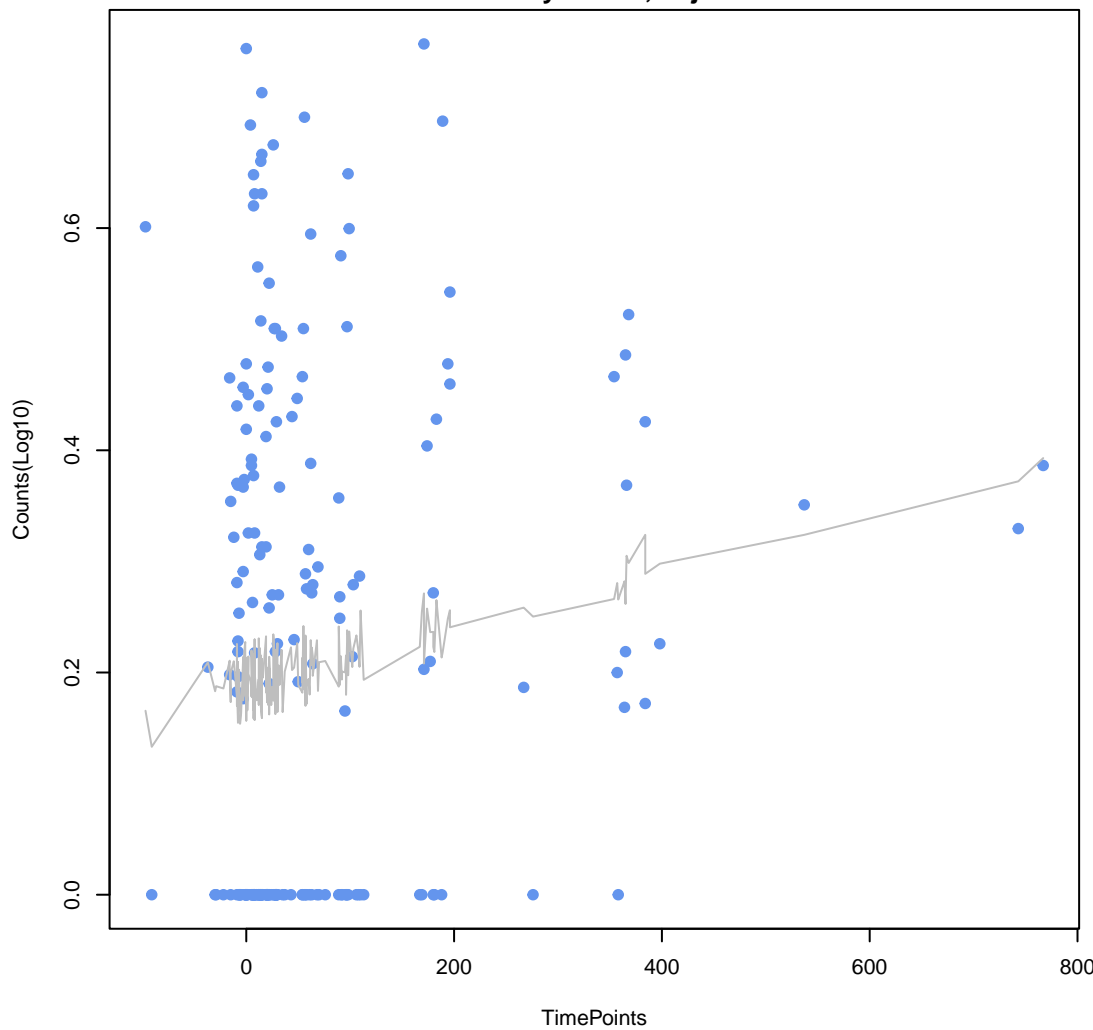
myrA
ANOVA $P=0.144$, adj. ANOVA- $P=0.572$
Line vs. Poly F- $P=0.818$, adj. F- $P=1$



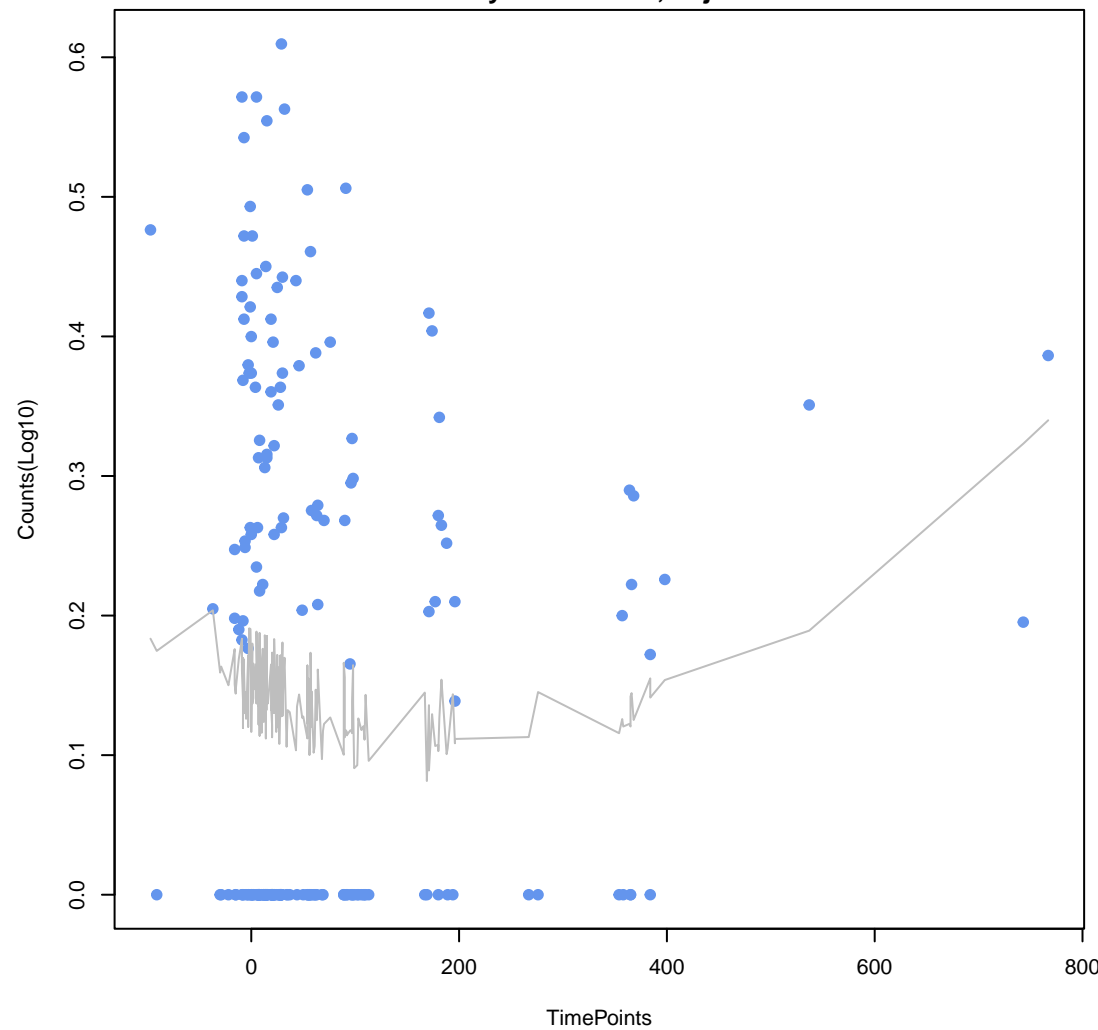
ANA-1
ANOVA $P=0.153$, adj. ANOVA- $P=0.583$
Line vs. Poly F- $P=1$, adj. F- $P=1$



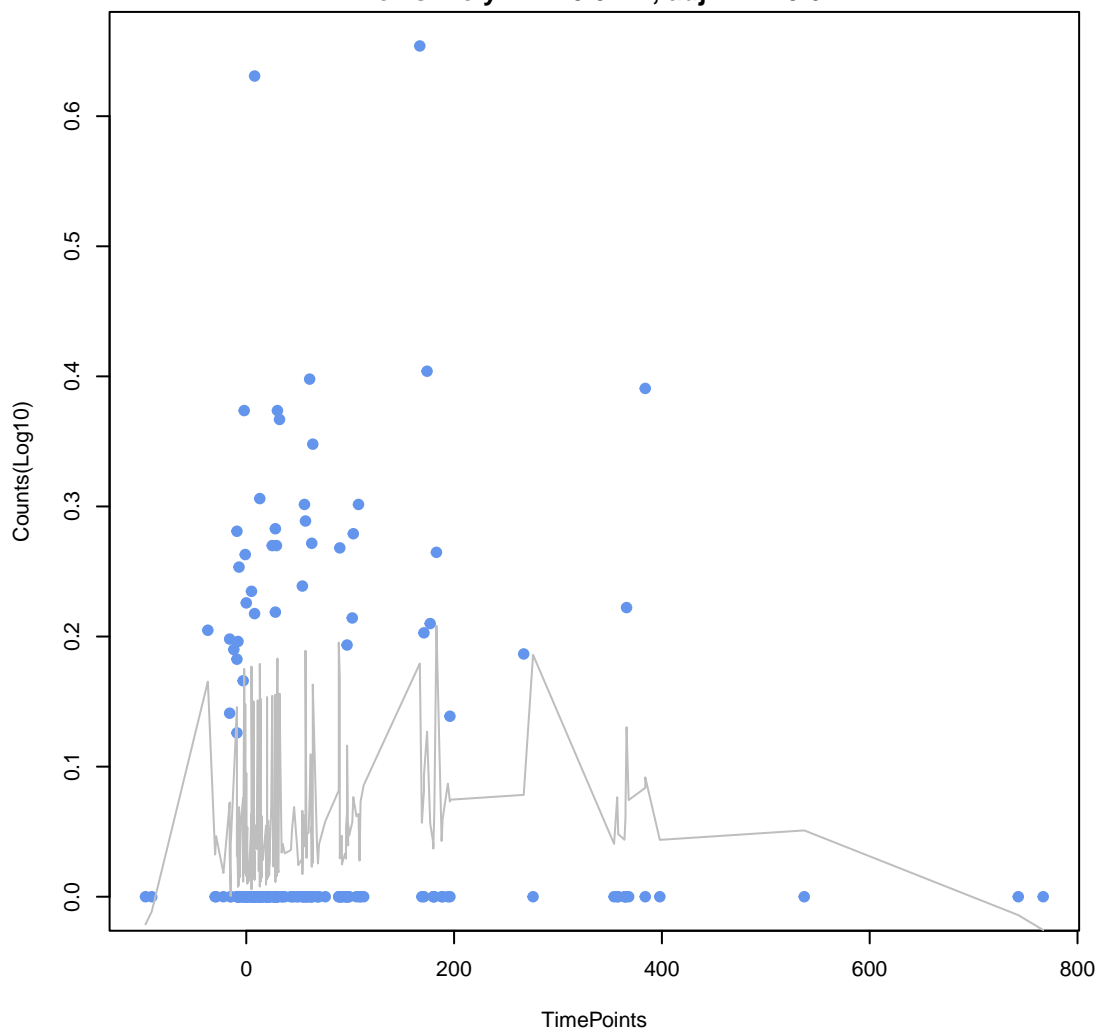
mdtF
ANOVA $P=0.166$, adj. ANOVA- $P=0.614$
Line vs. Poly F- $P=1$, adj. F- $P=1$



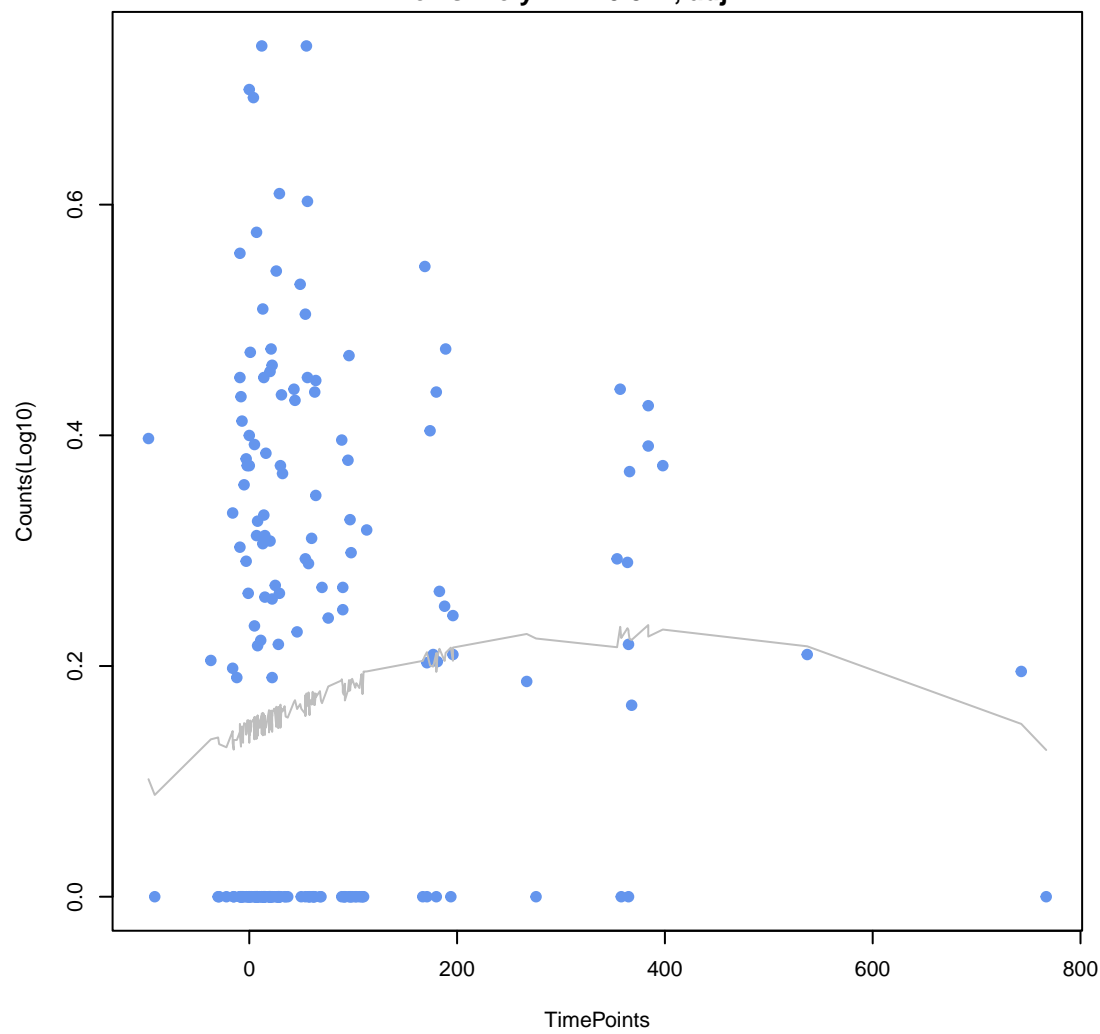
YojI
ANOVA $P=0.175$, adj. ANOVA- $P=0.625$
Line vs. Poly F- $P=0.0631$, adj. F- $P=0.648$



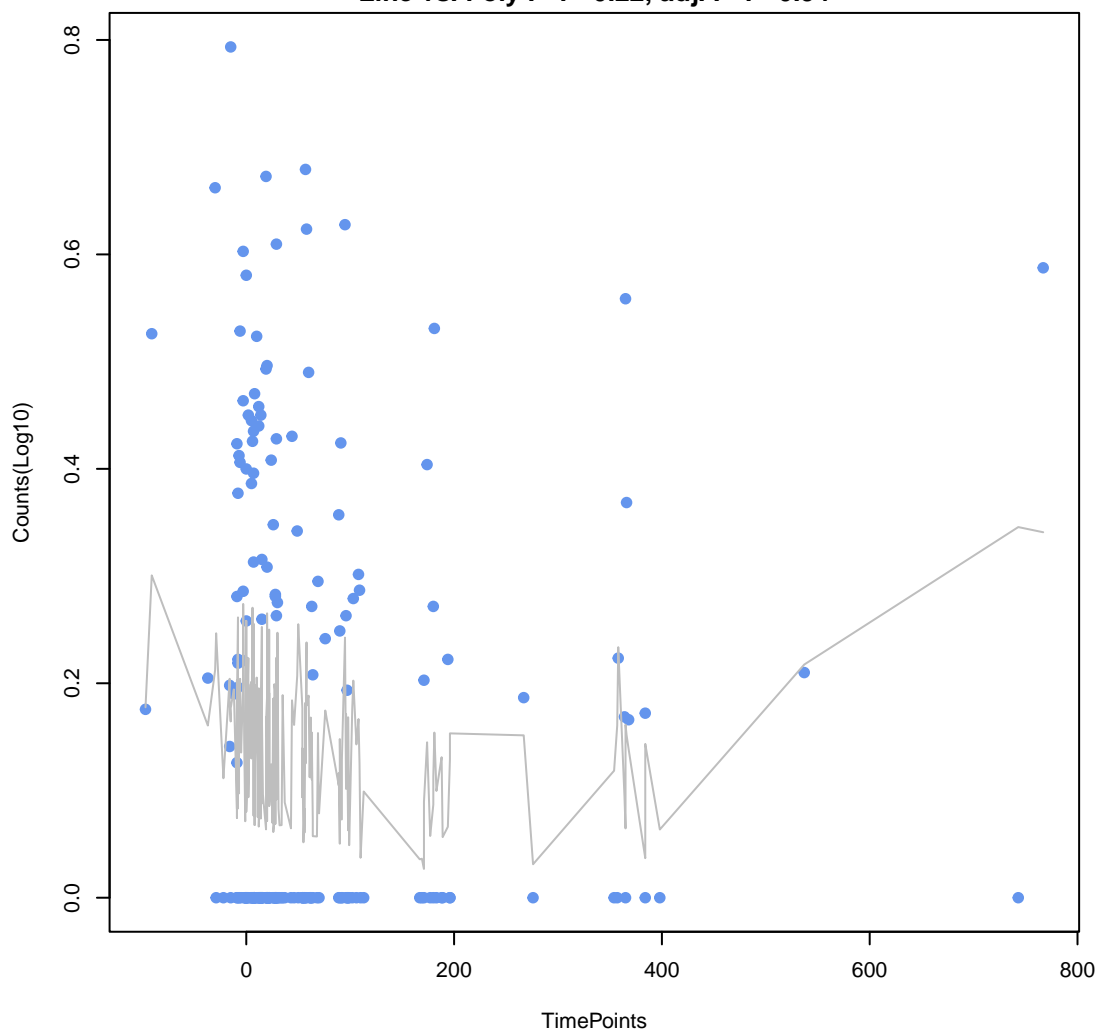
Escherichia coli GlpT with mutation conferring resistance to fosfomycin
ANOVA P=0.185, adj. ANOVA-P=0.637
Line vs. Poly F-P=0.0777, adj. F-P=0.677



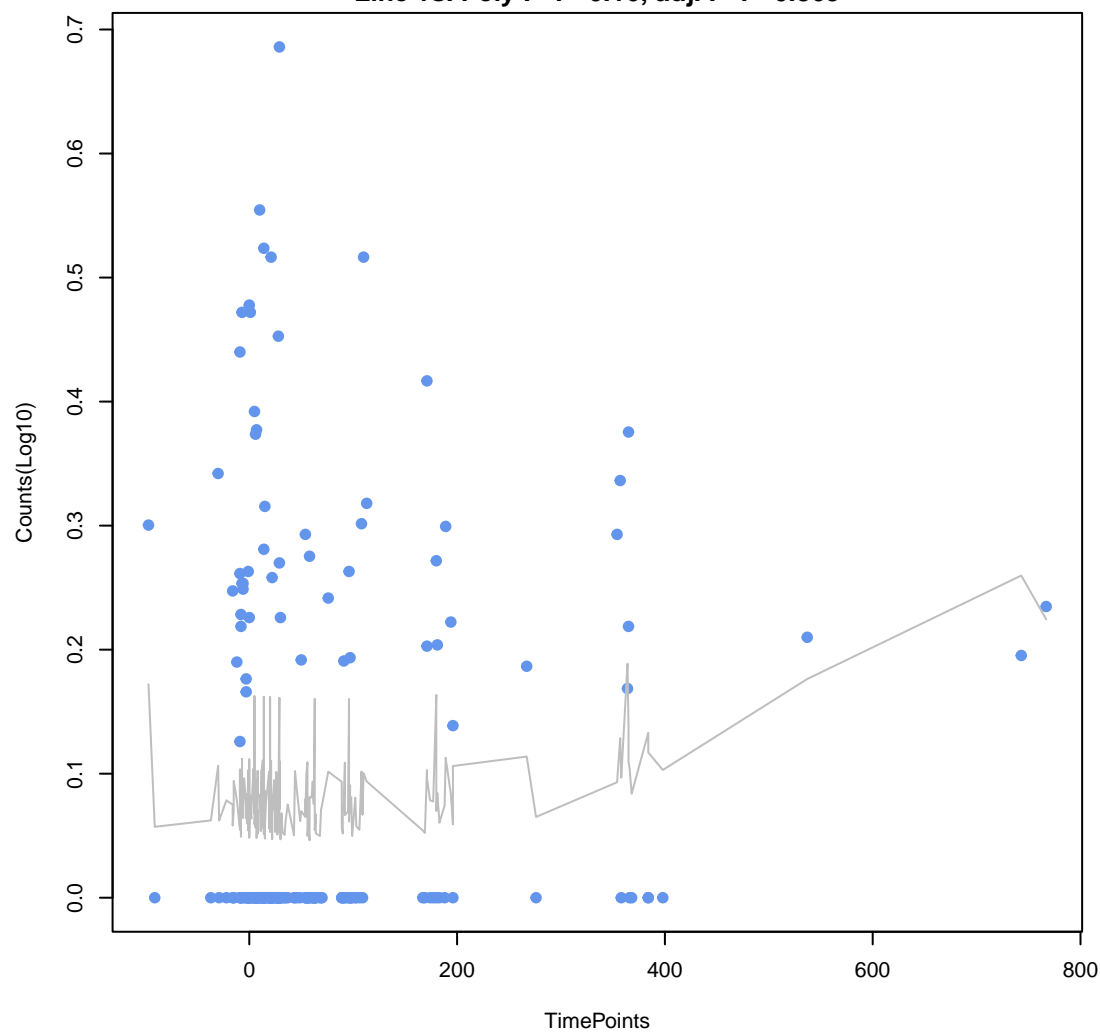
baeS
ANOVA P=0.196, adj. ANOVA-P=0.654
Line vs. Poly F-P=0.312, adj. F-P=1



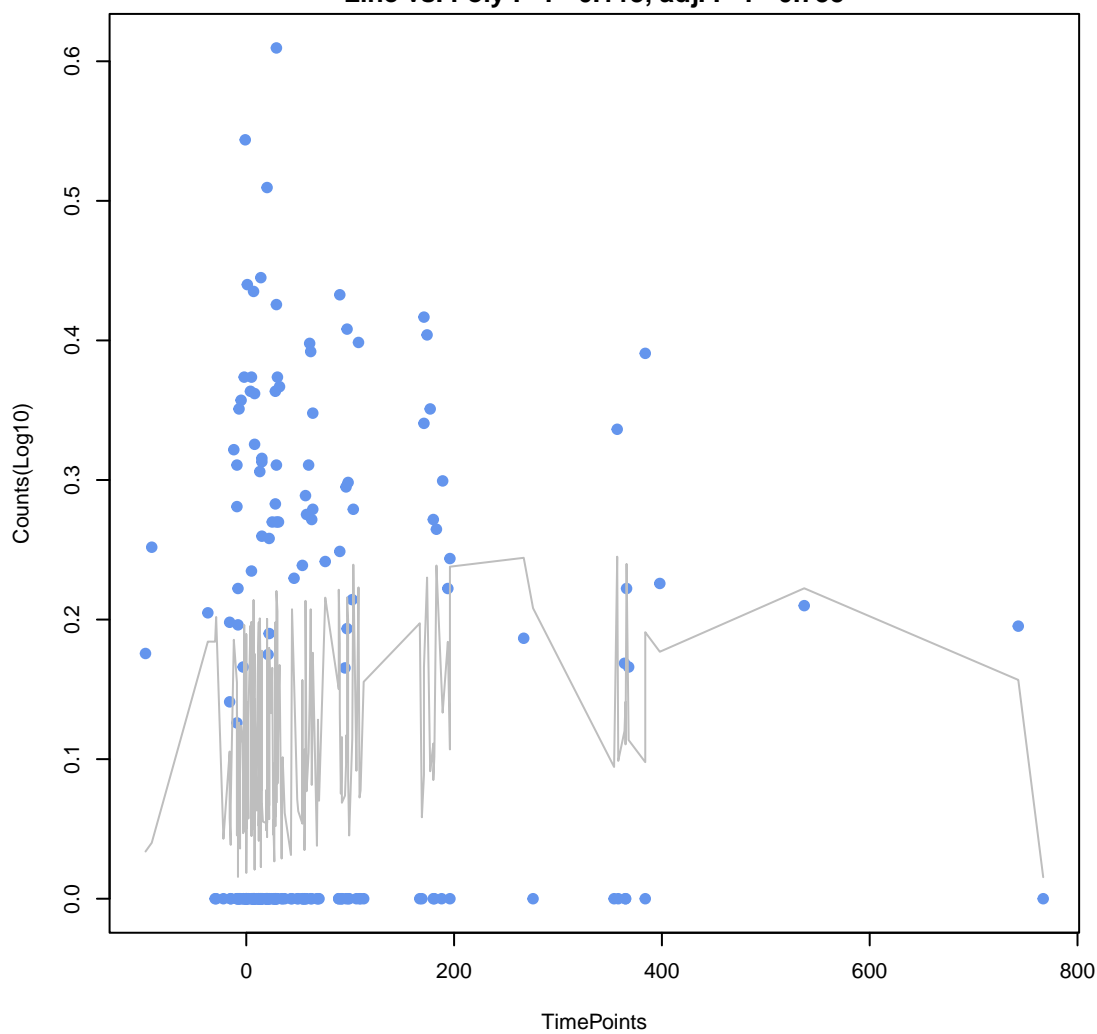
PDC-402
ANOVA P=0.213, adj. ANOVA-P=0.684
Line vs. Poly F-P=0.22, adj. F-P=0.94



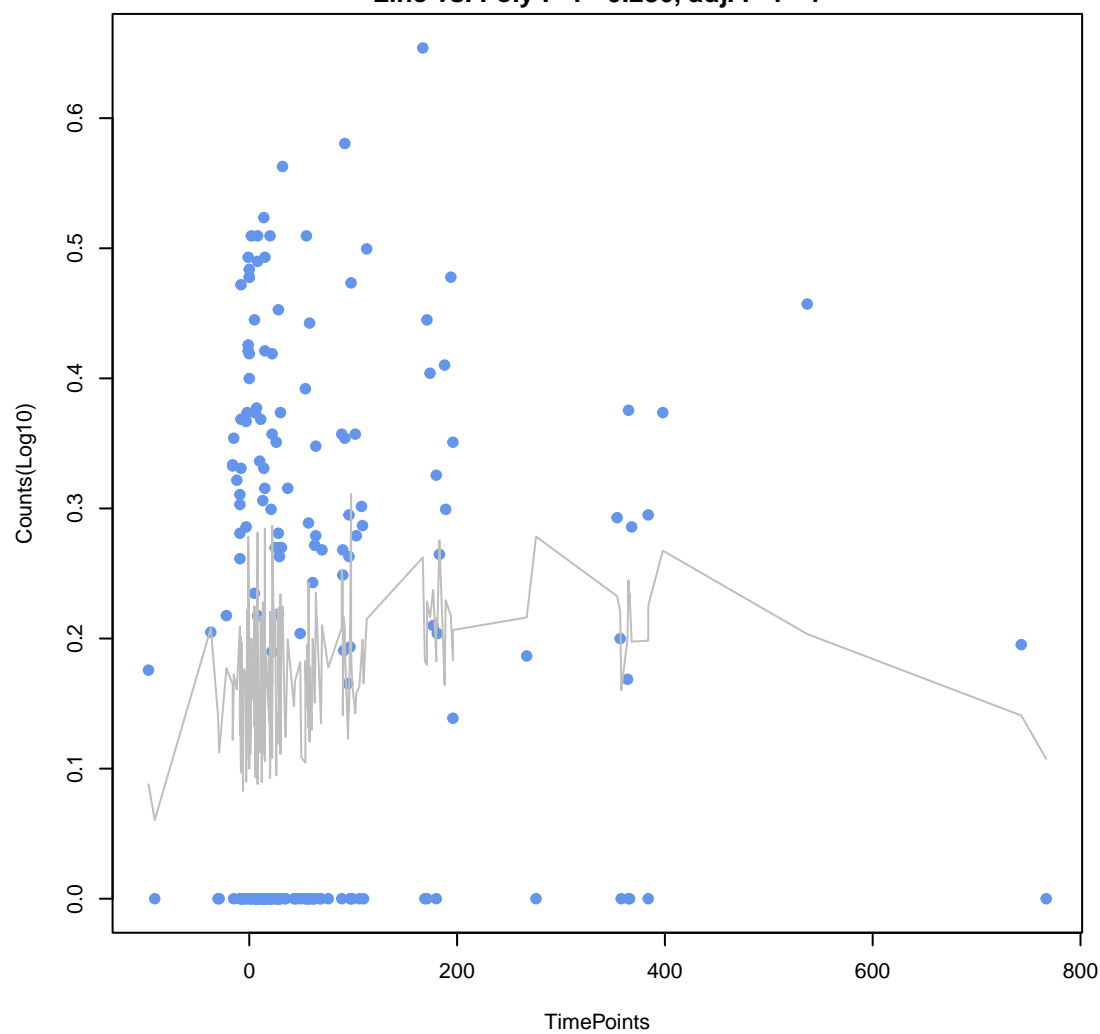
Streptomyces rimosus otr(A)
ANOVA P=0.218, adj. ANOVA-P=0.684
Line vs. Poly F-P=0.16, adj. F-P=0.865



Escherichia coli soxS with mutation conferring antibiotic resistance
ANOVA P=0.226, adj. ANOVA-P=0.684
Line vs. Poly F-P=0.113, adj. F-P=0.755

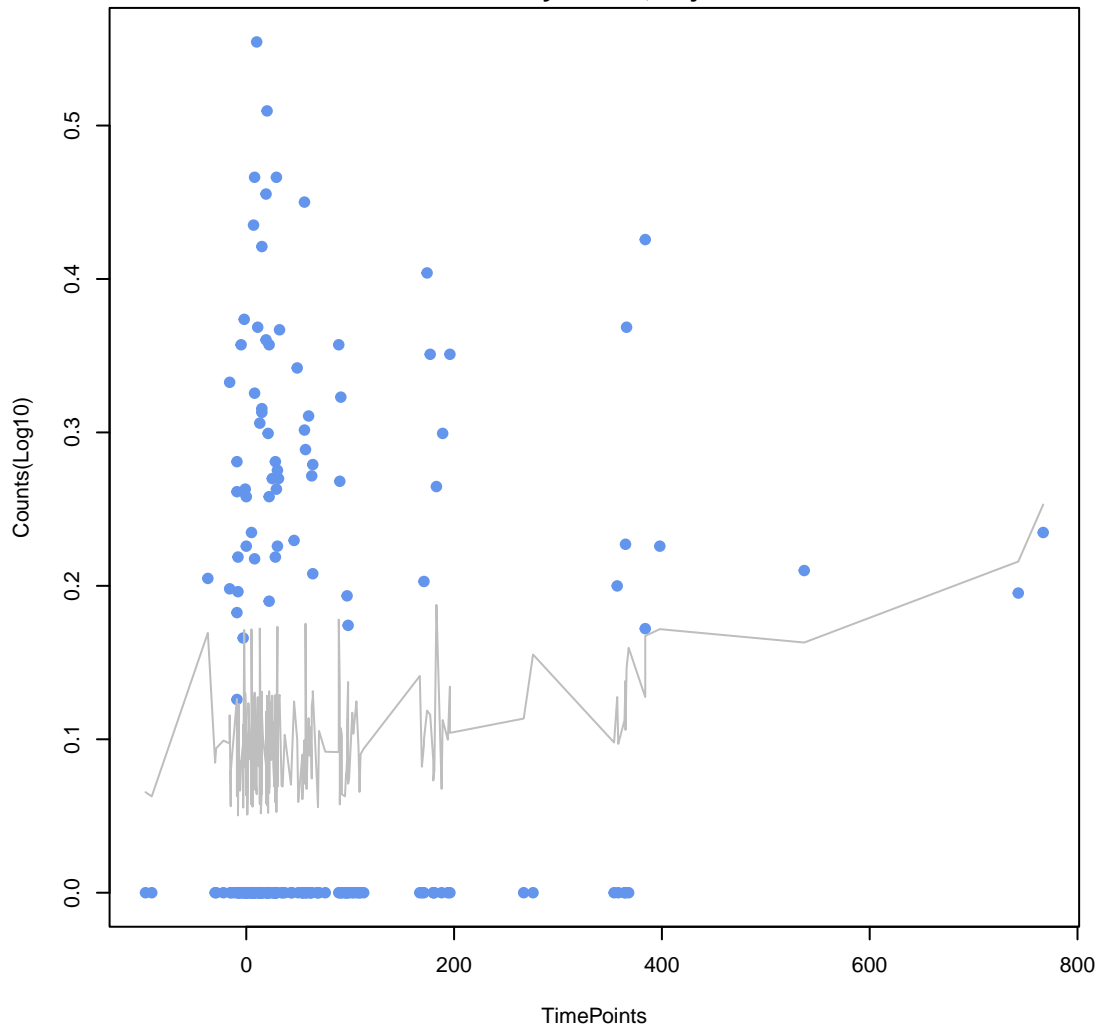


mdtG
ANOVA P=0.23, adj. ANOVA-P=0.684
Line vs. Poly F-P=0.286, adj. F-P=1



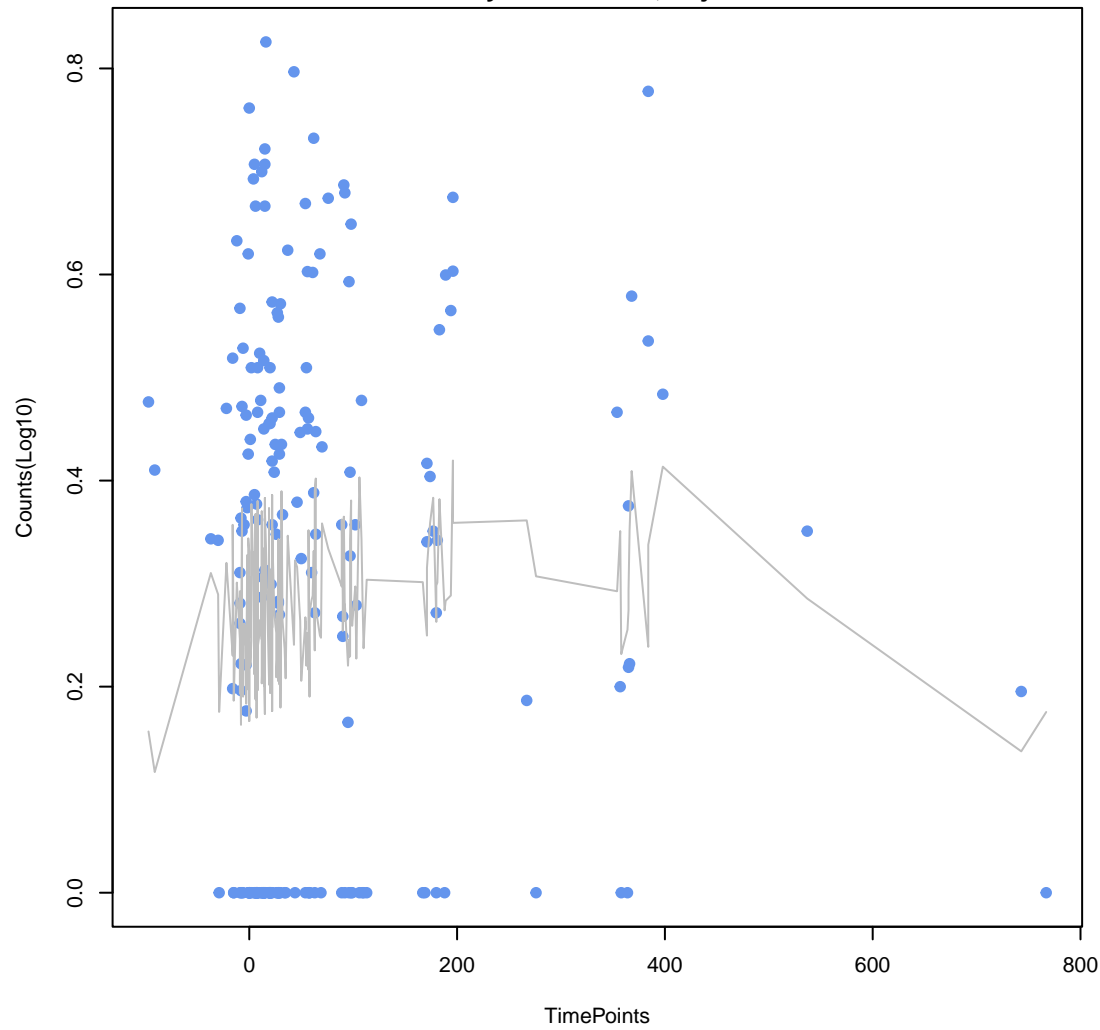
gadX

ANOVA P=0.254, adj. ANOVA-P=0.735
Line vs. Poly F-P=1, adj. F-P=1



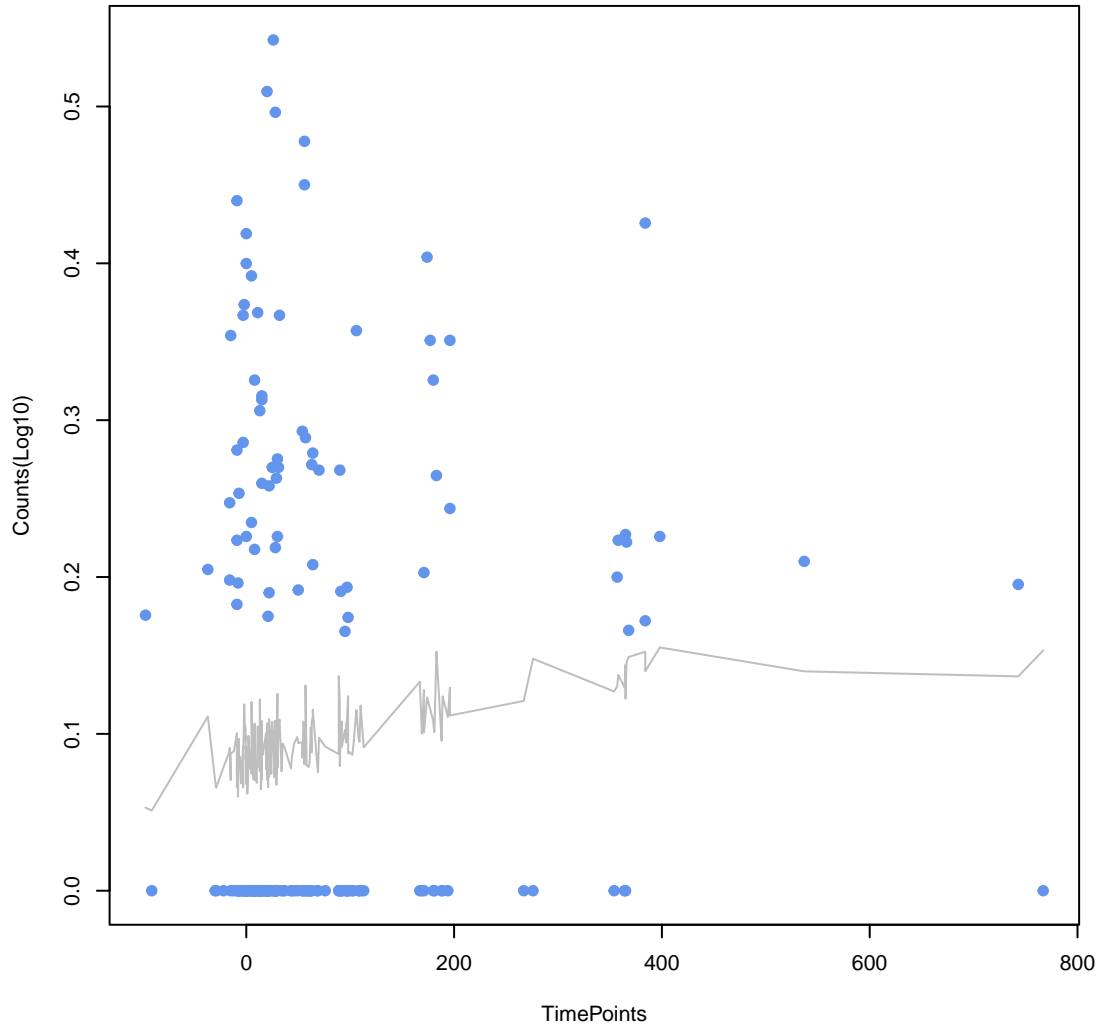
acrB

ANOVA P=0.272, adj. ANOVA-P=0.758
Line vs. Poly F-P=0.0543, adj. F-P=0.648



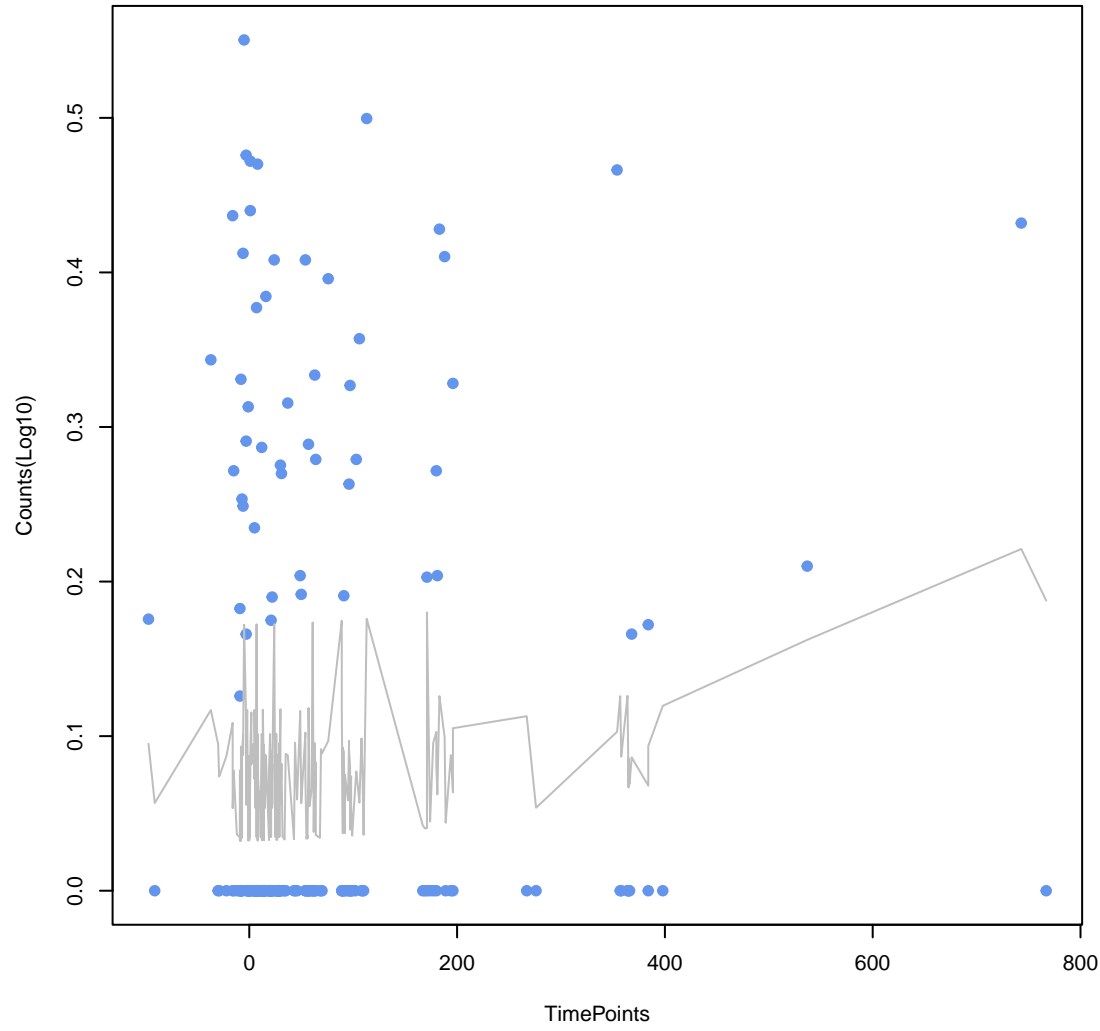
AcrS

ANOVA P=0.276, adj. ANOVA-P=0.758
Line vs. Poly F-P=0.487, adj. F-P=1



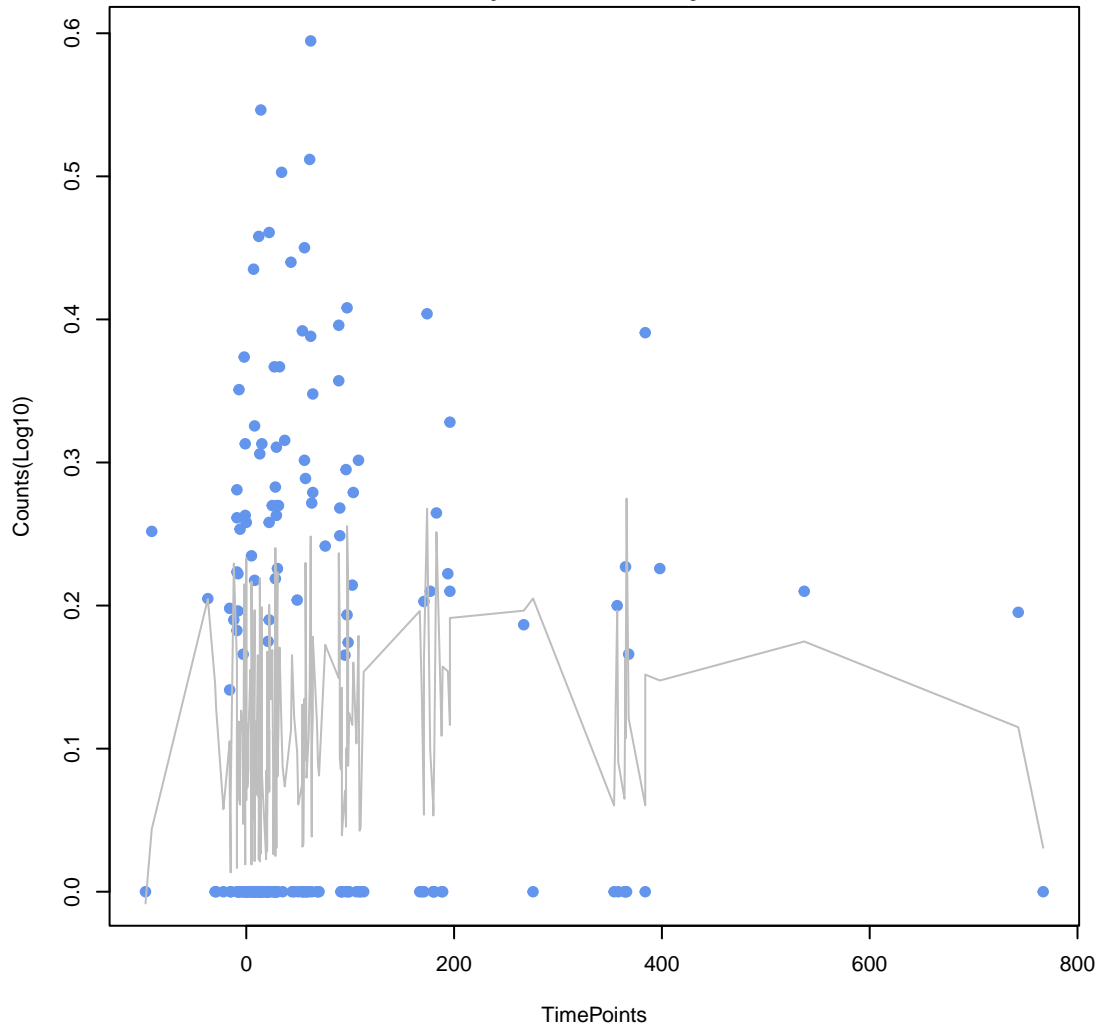
SHV-43

ANOVA P=0.305, adj. ANOVA-P=0.773
Line vs. Poly F-P=0.766, adj. F-P=1



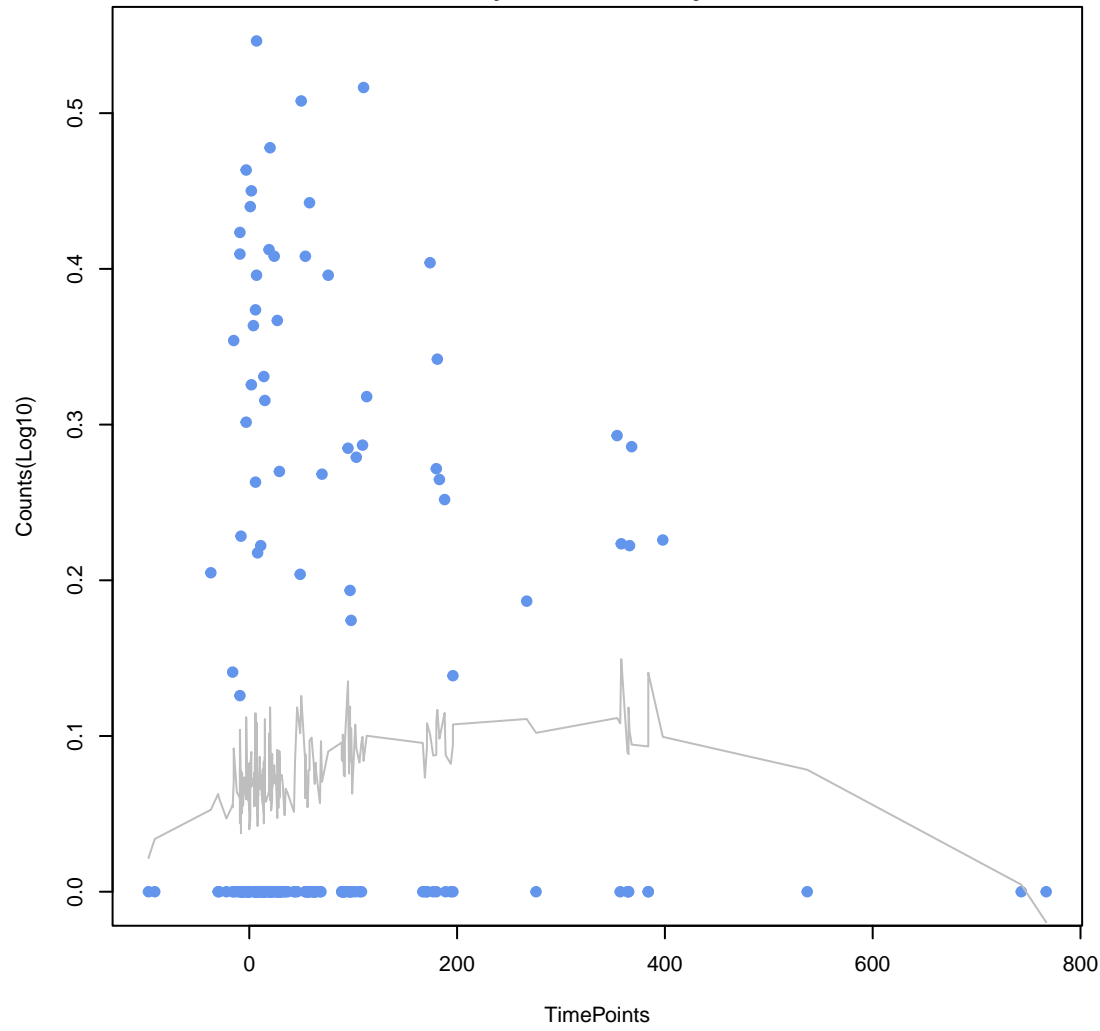
H-NS

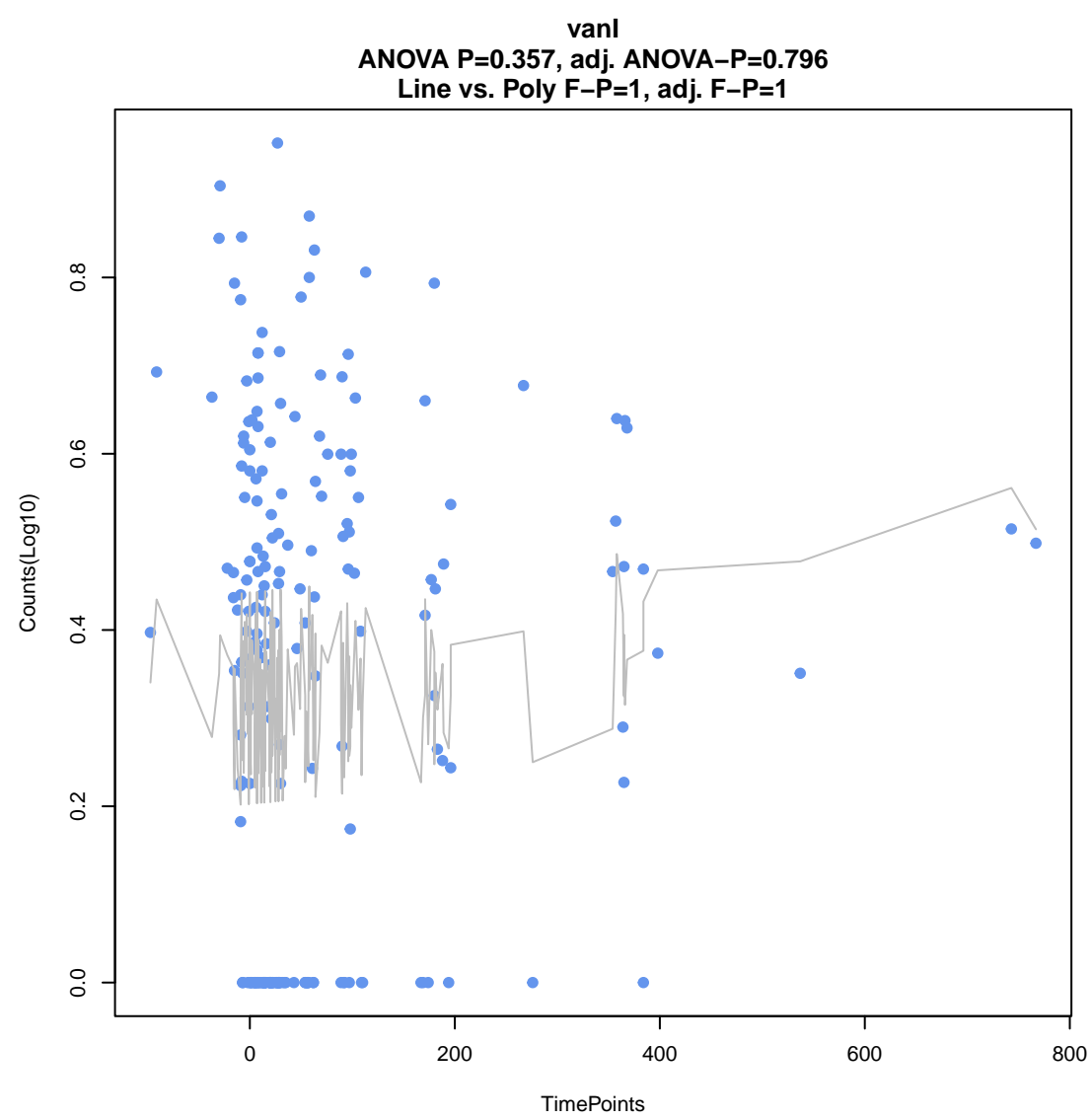
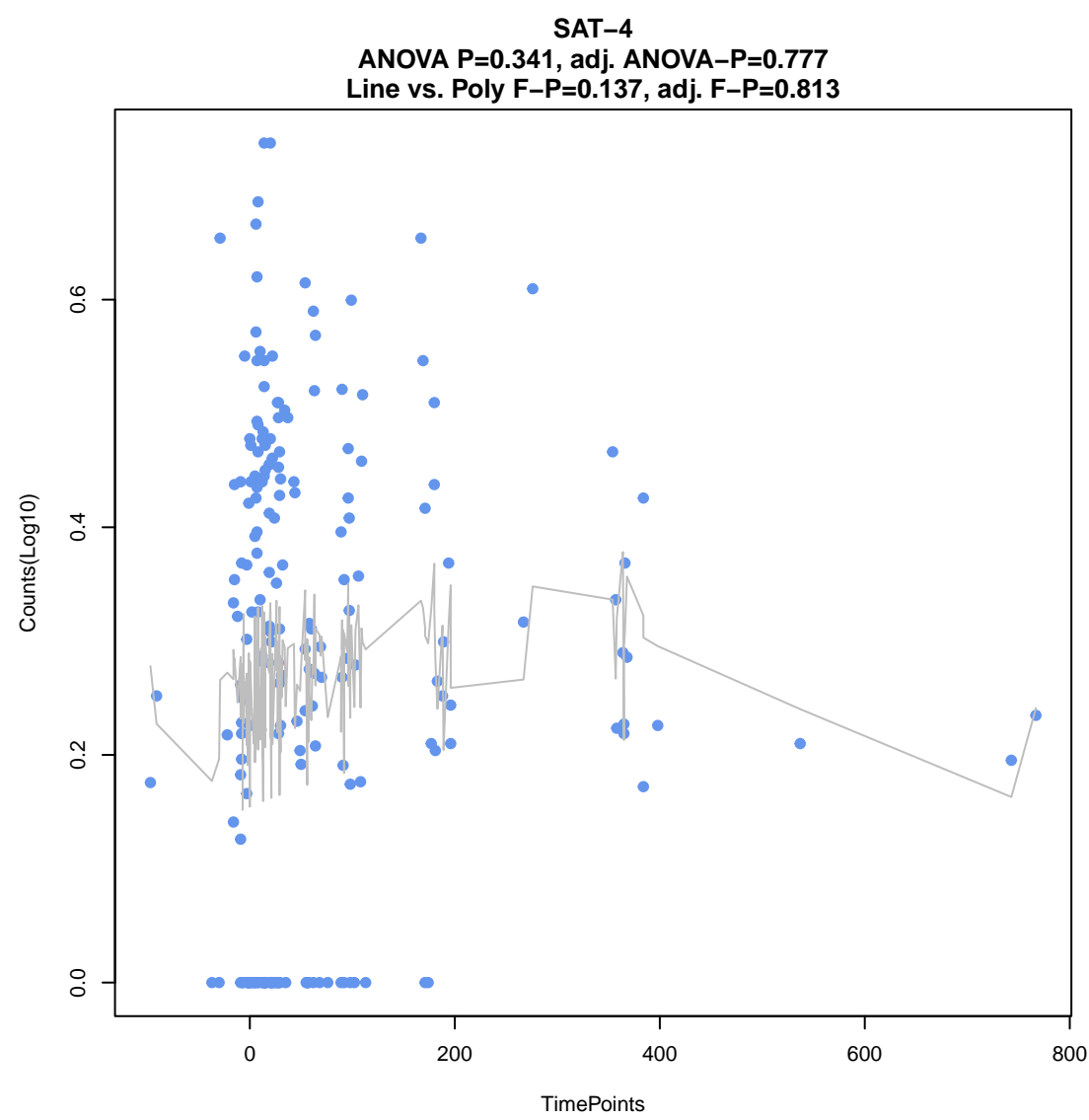
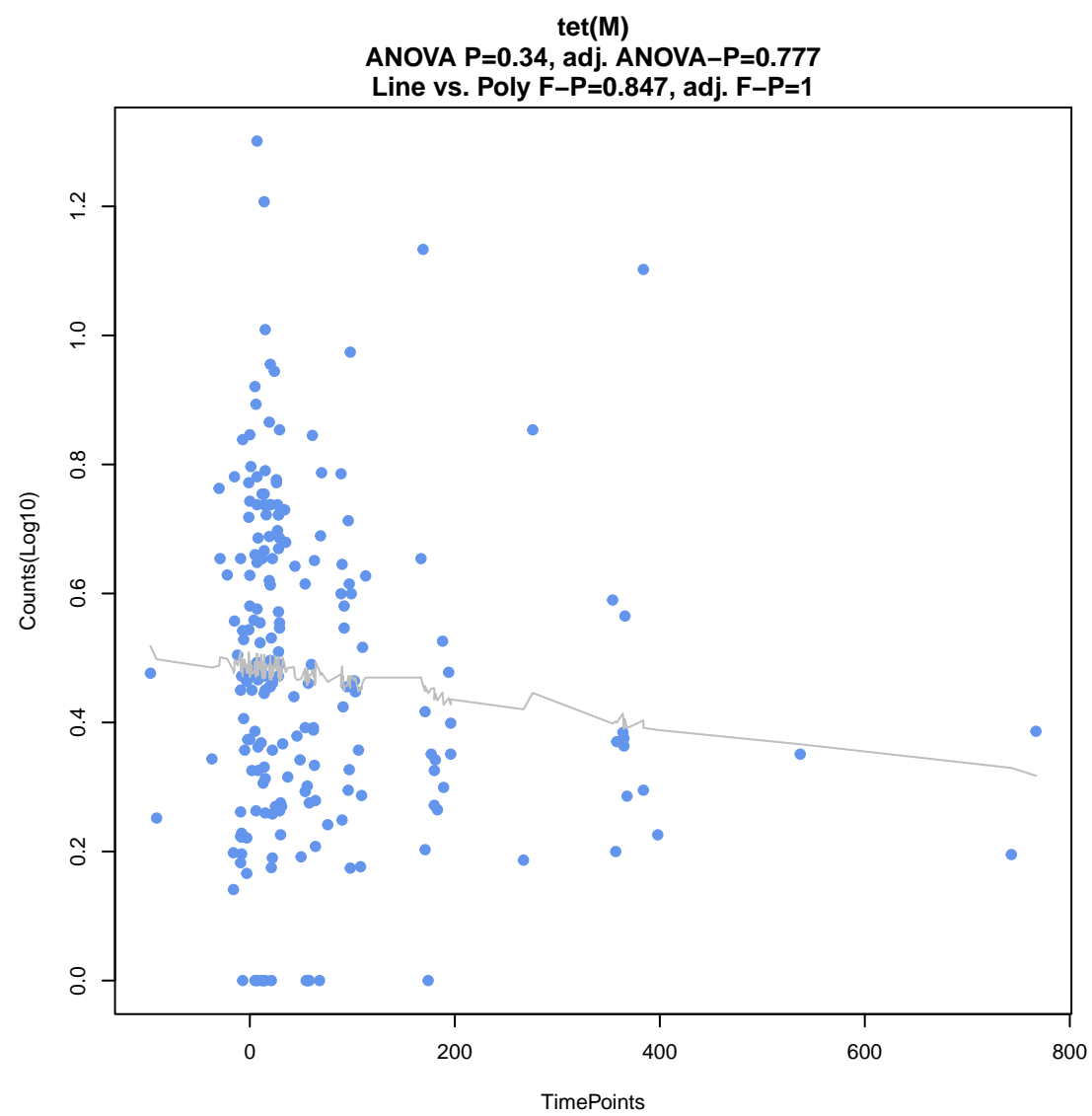
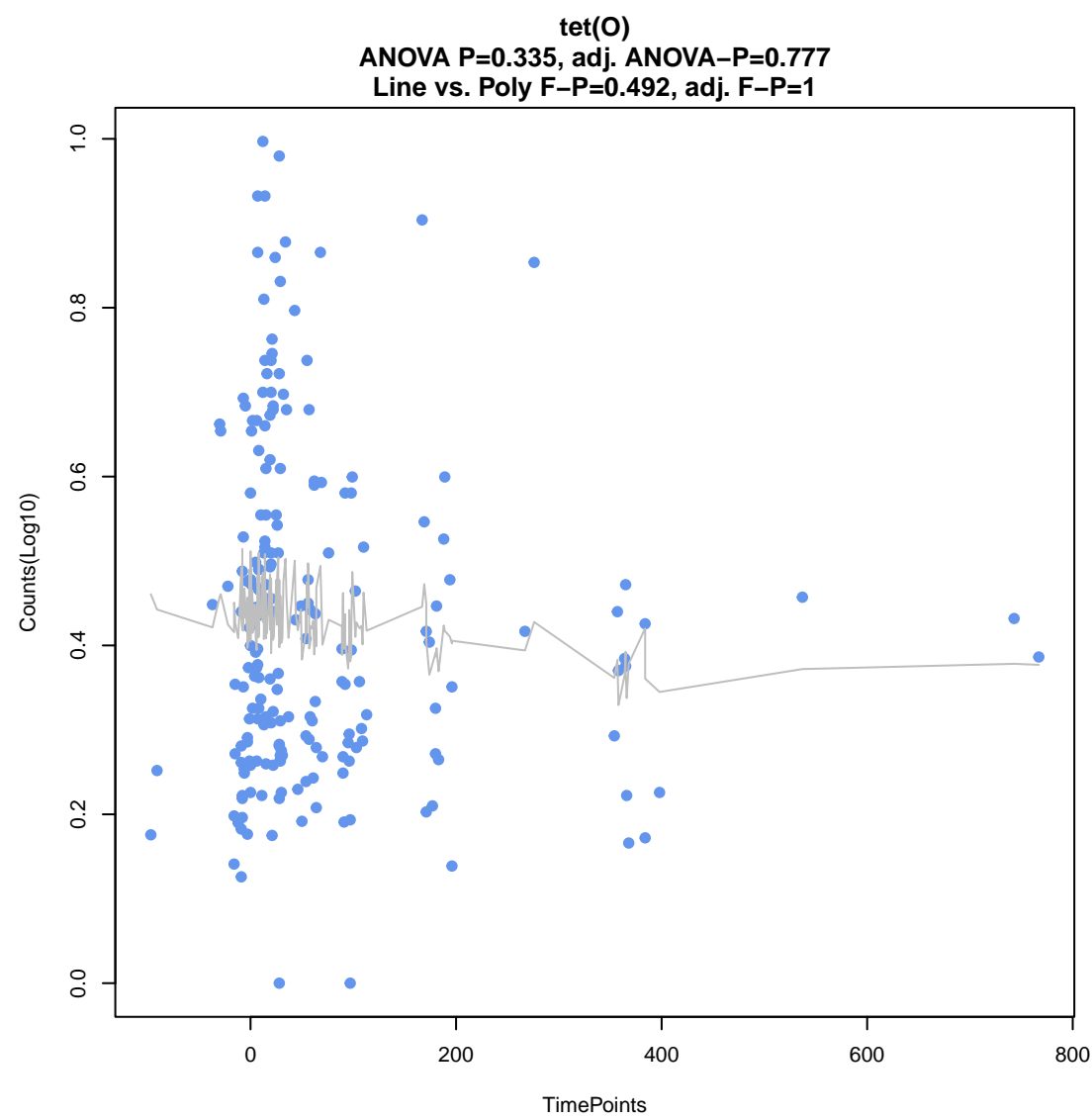
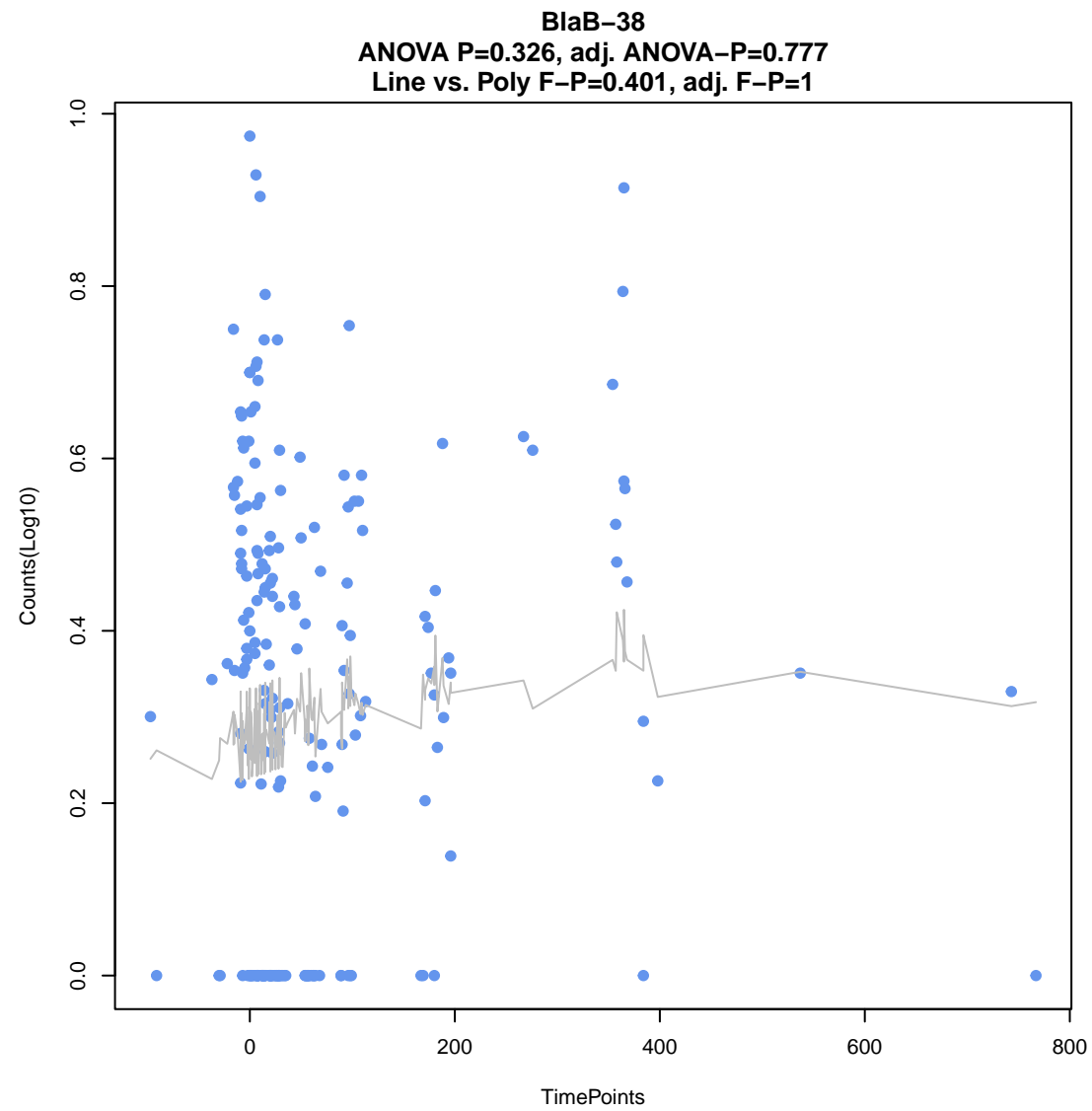
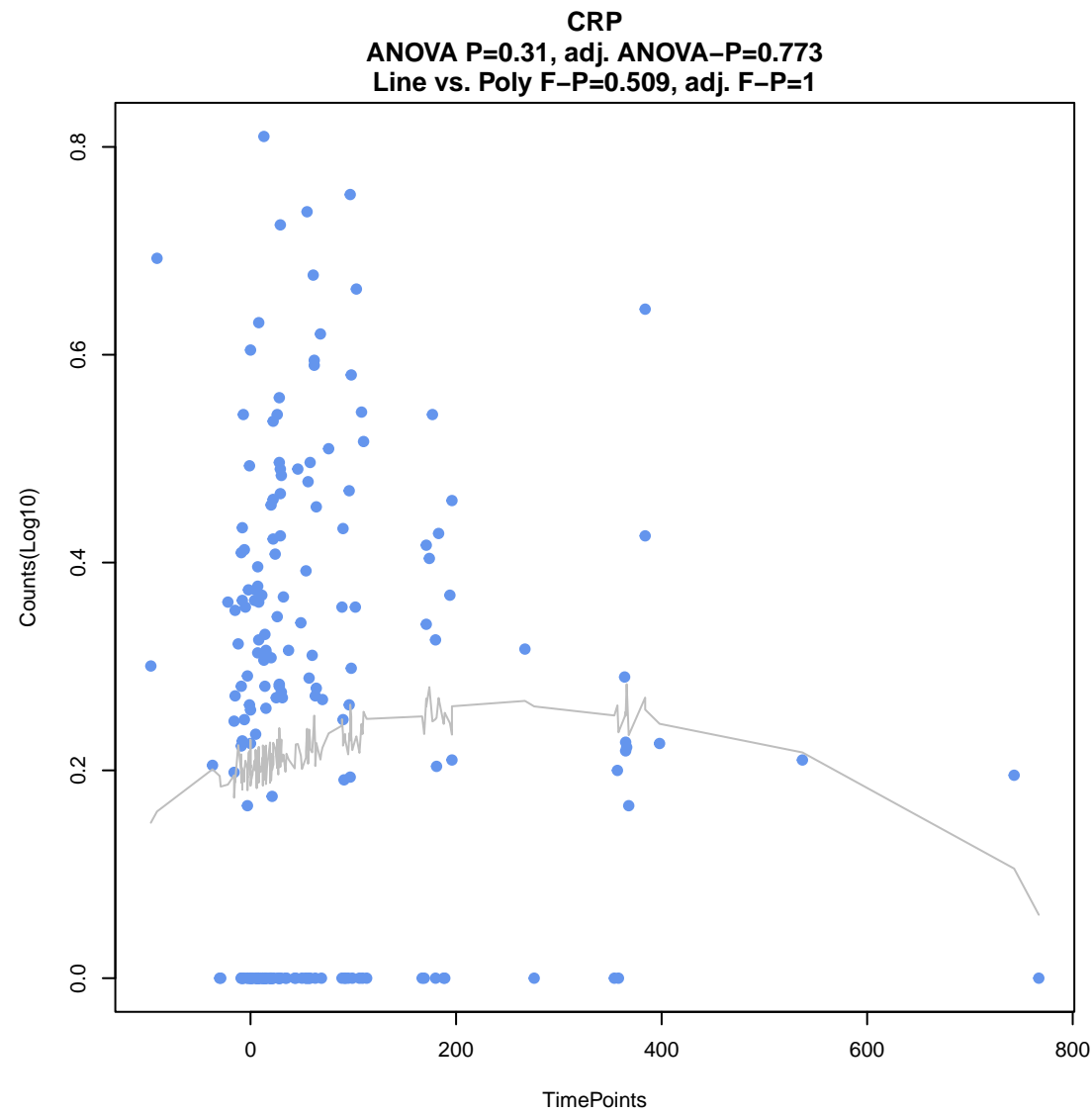
ANOVA P=0.309, adj. ANOVA-P=0.773
Line vs. Poly F-P=0.173, adj. F-P=0.879



mtrD

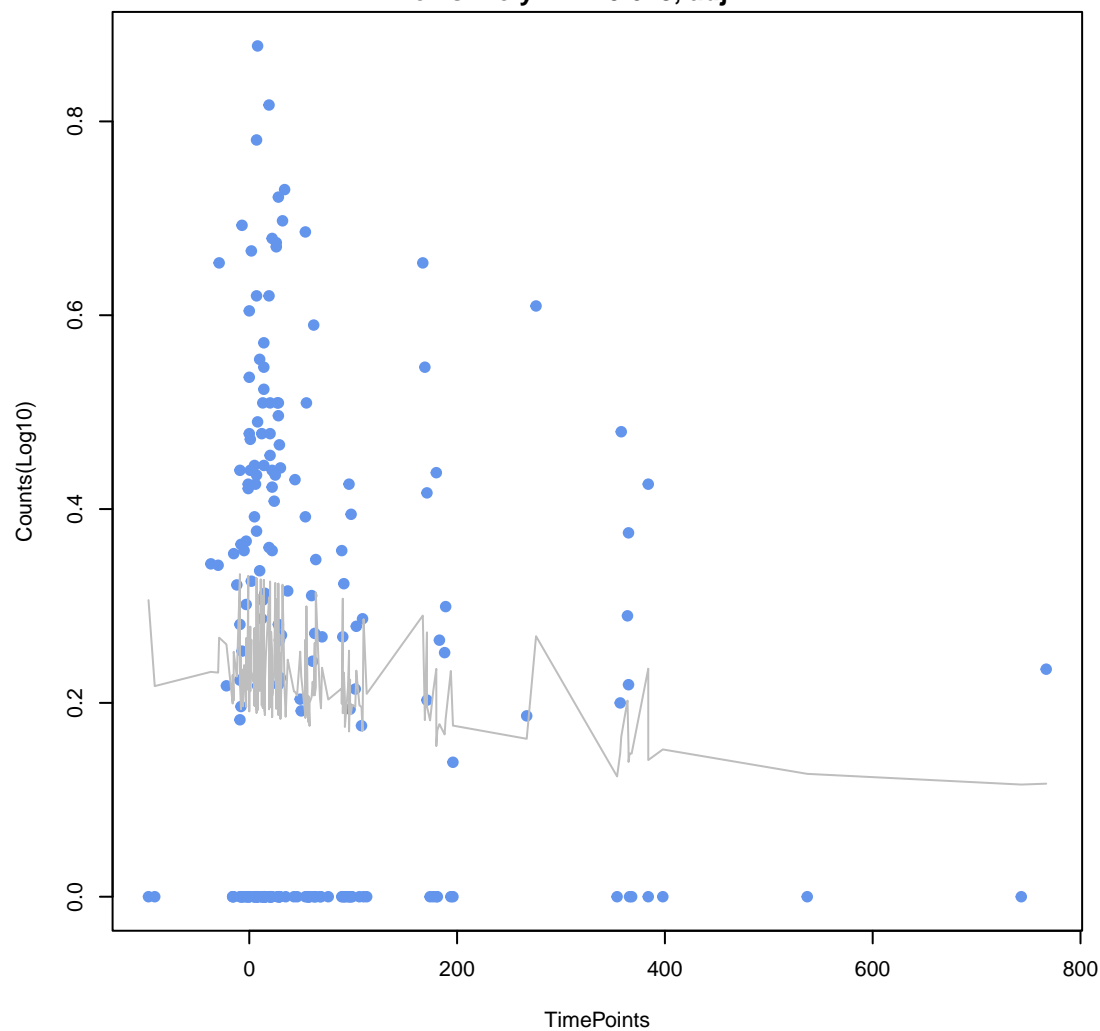
ANOVA P=0.31, adj. ANOVA-P=0.773
Line vs. Poly F-P=0.162, adj. F-P=0.865





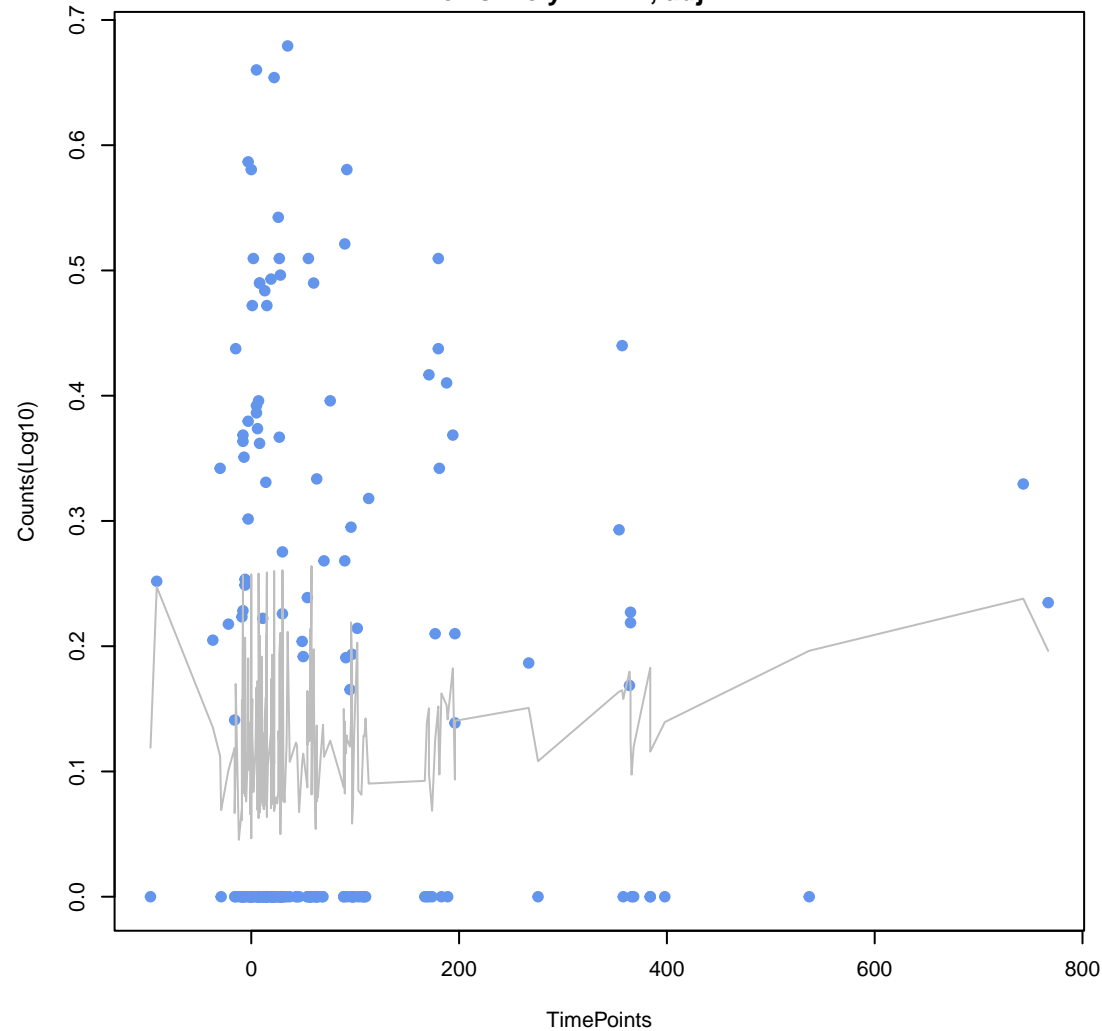
vanA

ANOVA P=0.372, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.618, adj. F-P=1



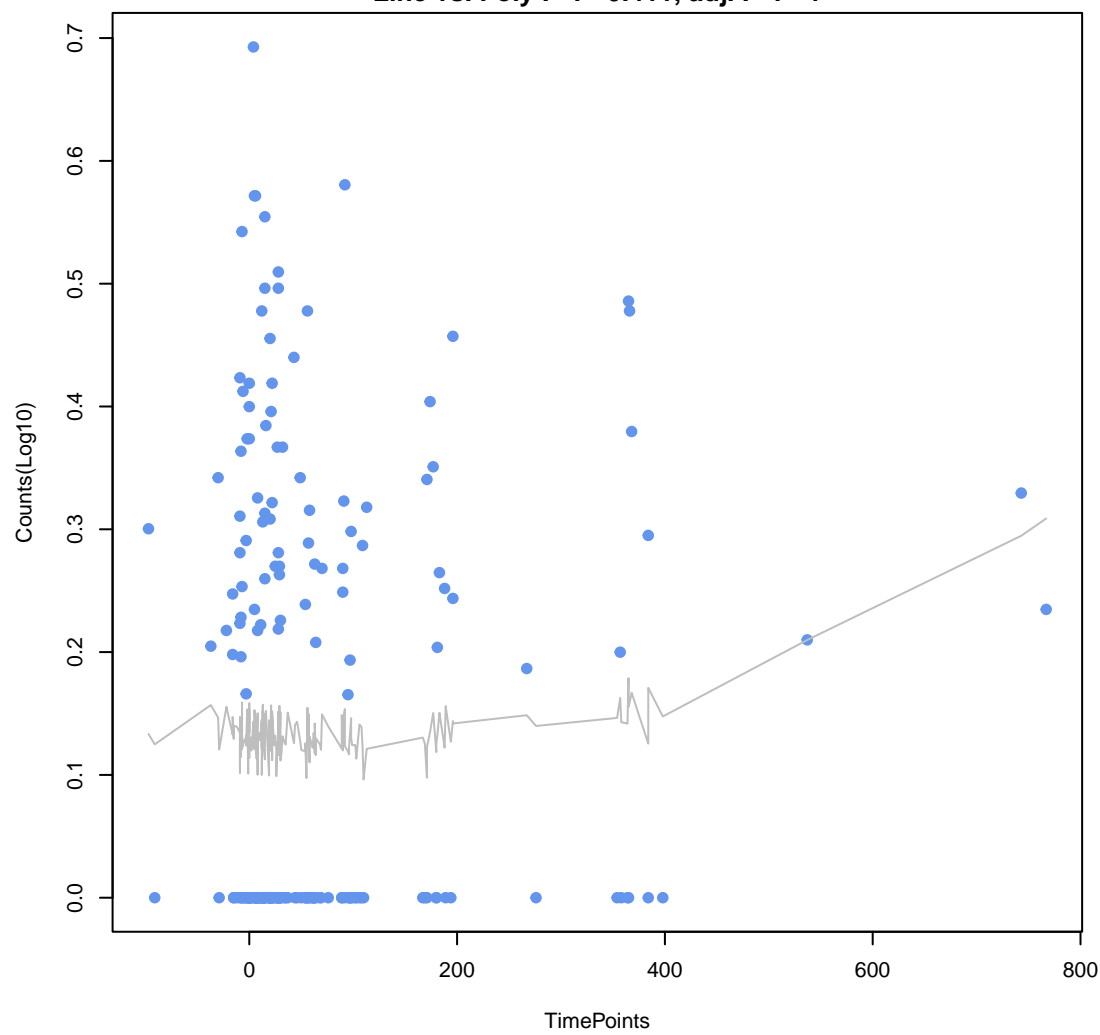
tet(W/32/O)

ANOVA P=0.383, adj. ANOVA-P=0.803
Line vs. Poly F-P=1, adj. F-P=1



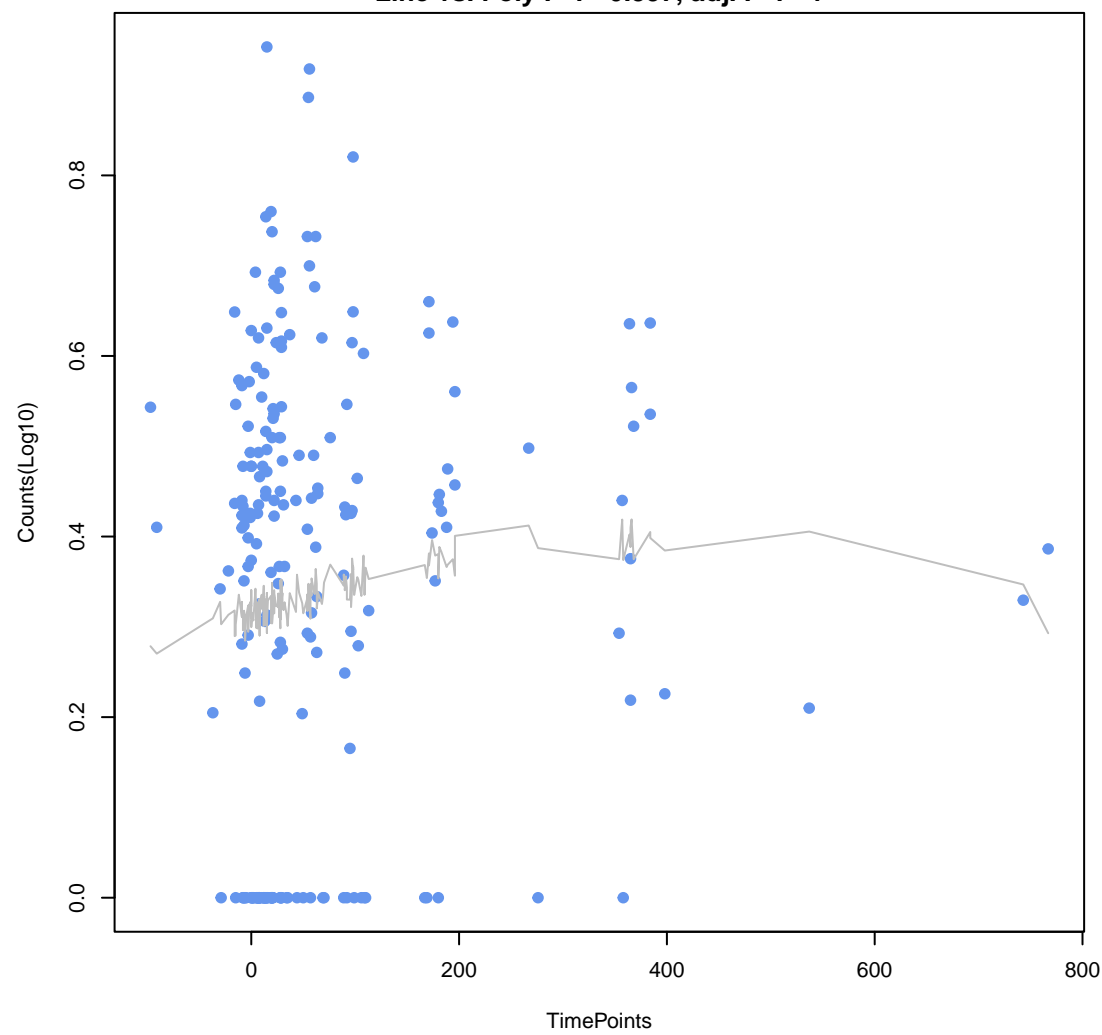
eptA

ANOVA P=0.388, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.411, adj. F-P=1



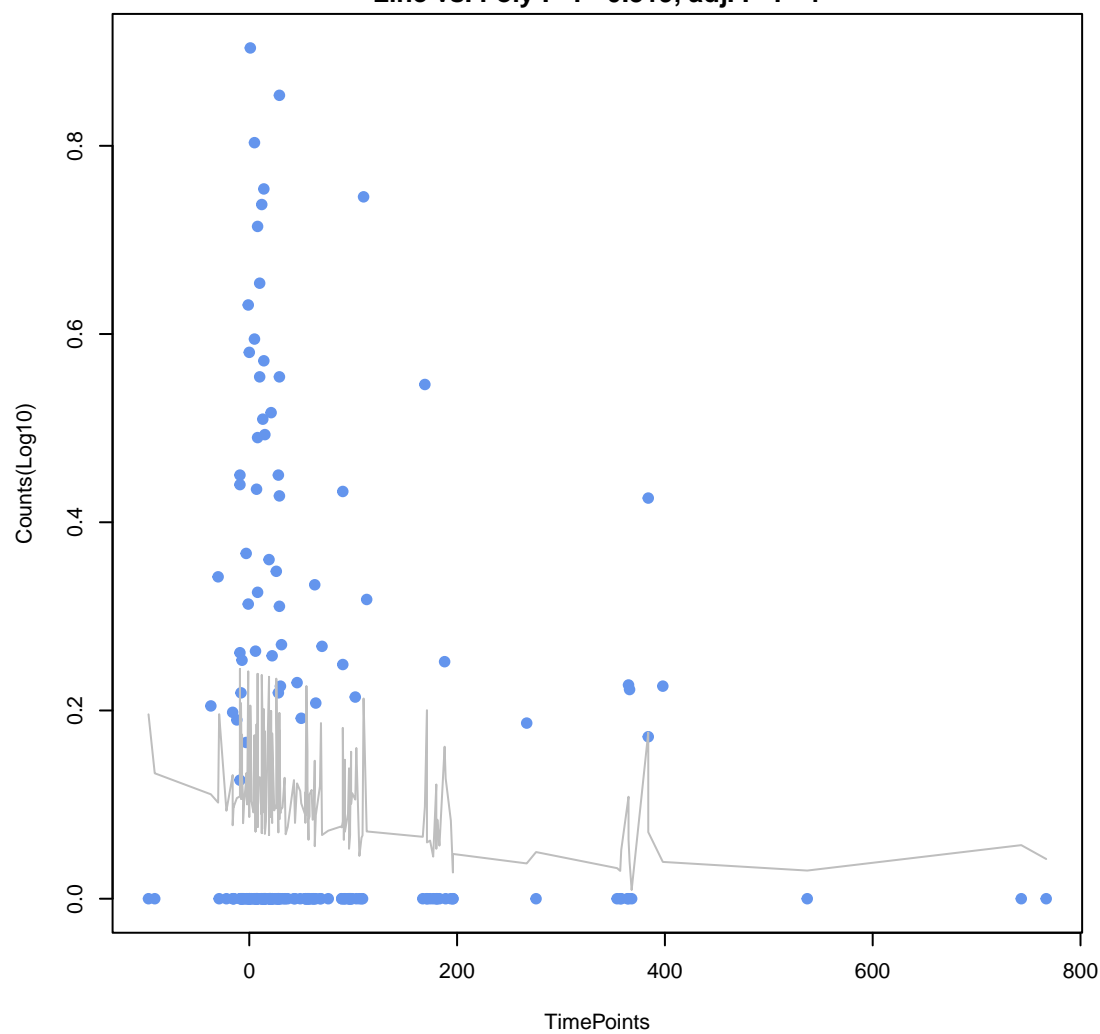
acrD

ANOVA P=0.399, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.397, adj. F-P=1



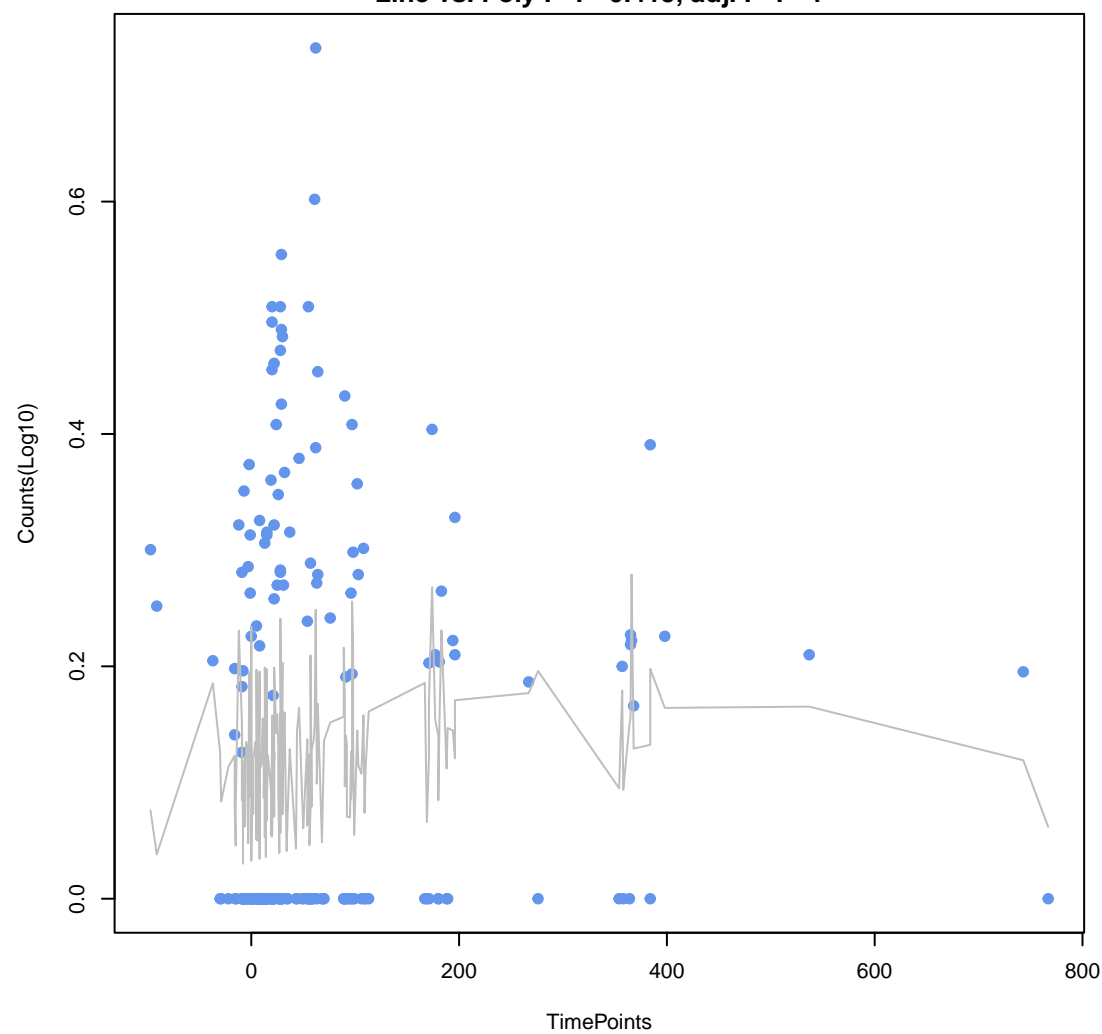
pmrA

ANOVA P=0.413, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.319, adj. F-P=1



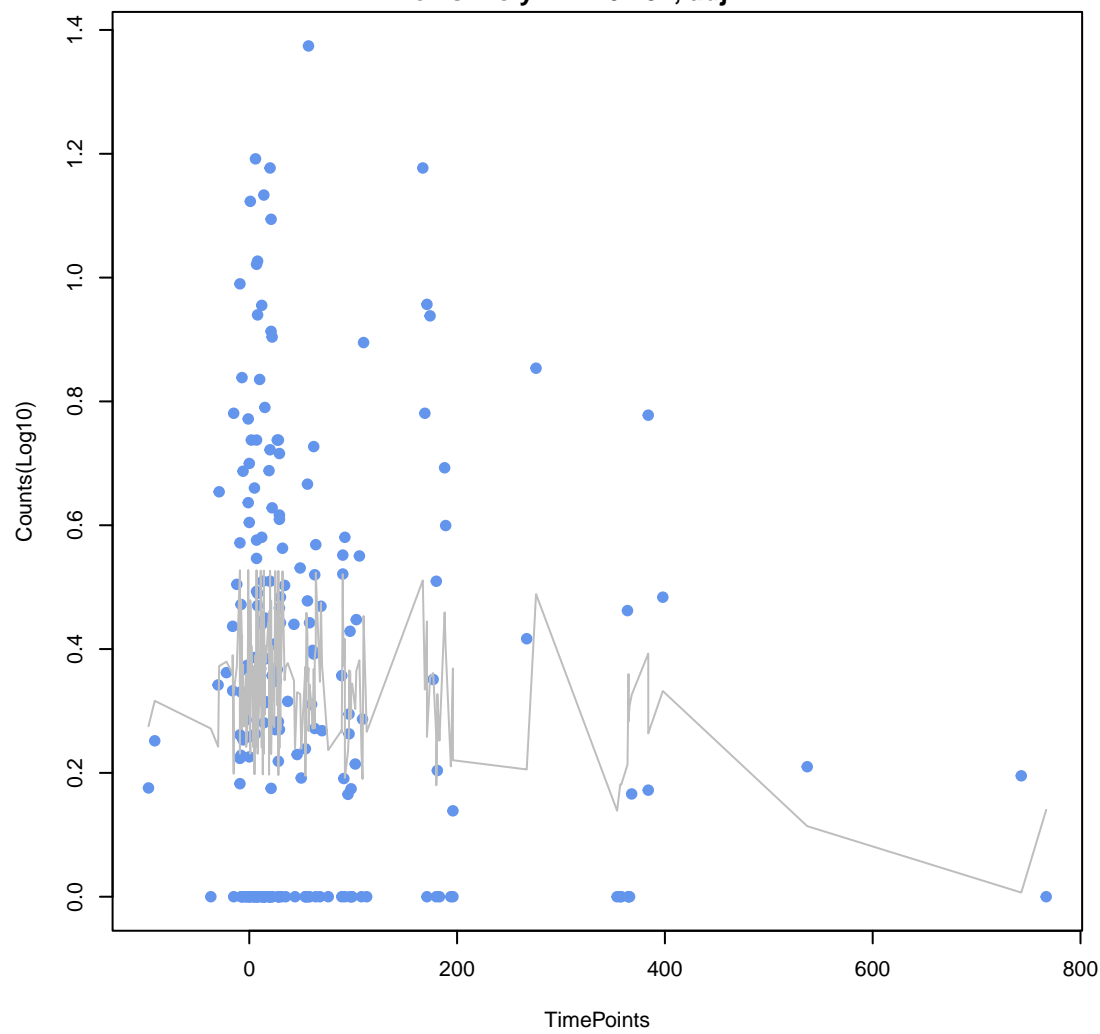
marA

ANOVA P=0.432, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.415, adj. F-P=1



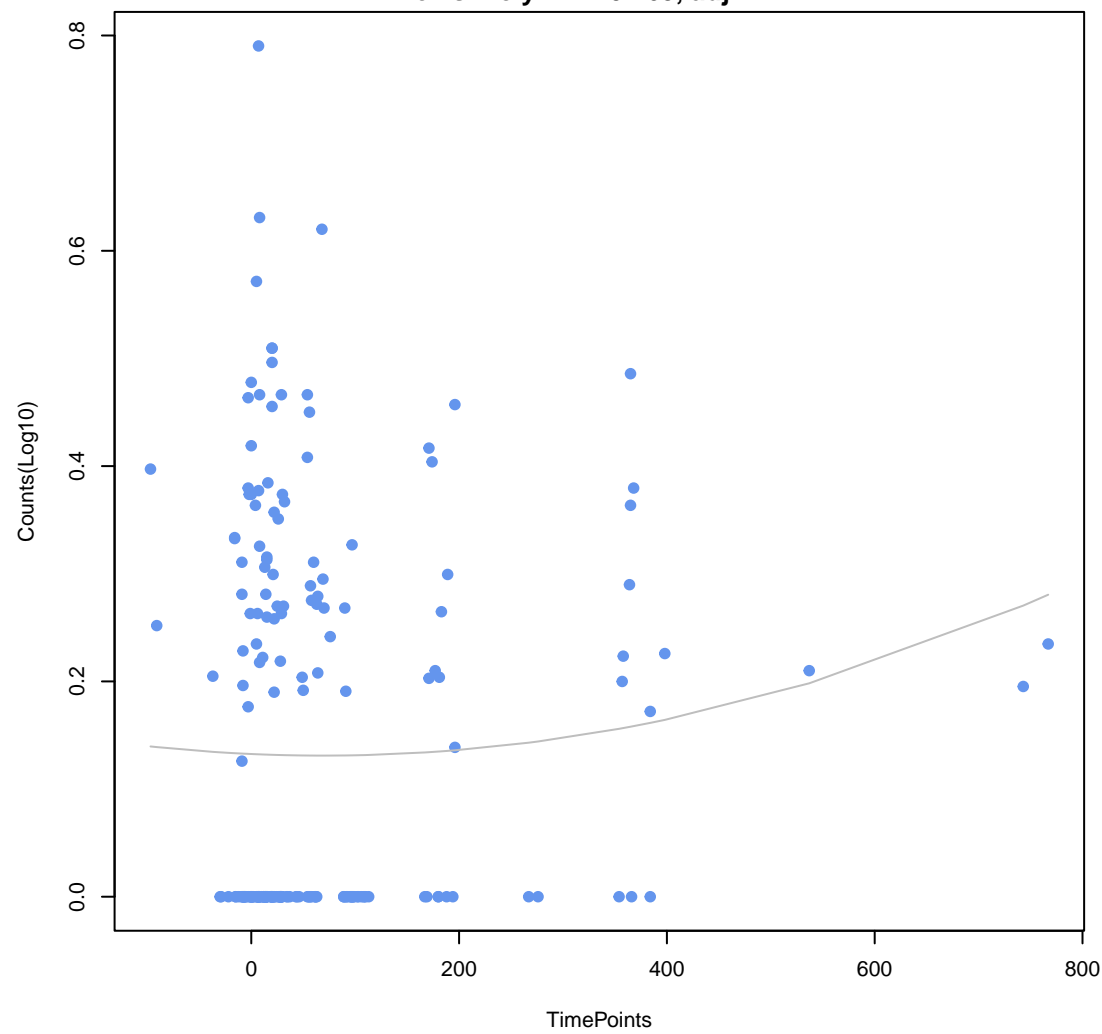
ImrD

ANOVA P=0.439, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.737, adj. F-P=1



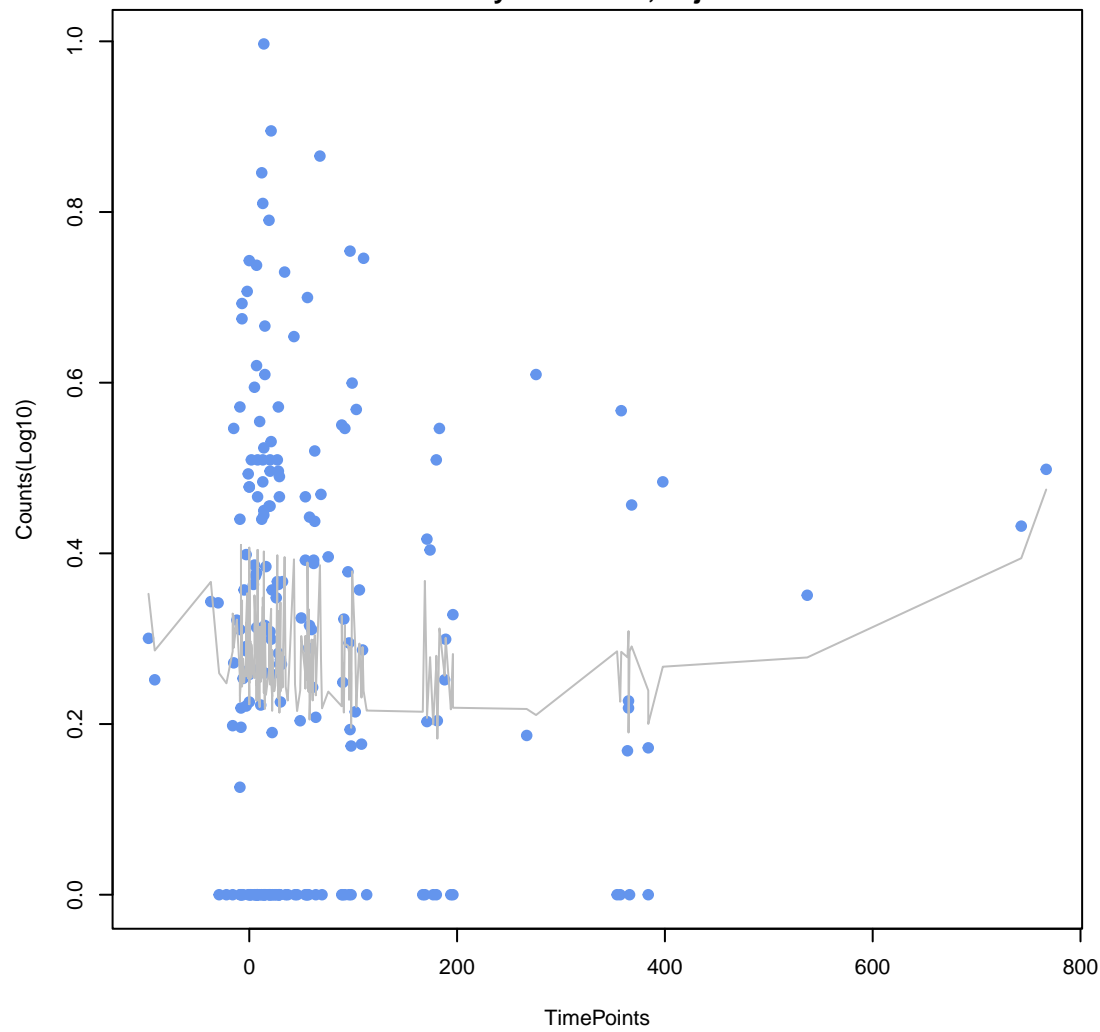
mdtN

ANOVA P=0.442, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.465, adj. F-P=1



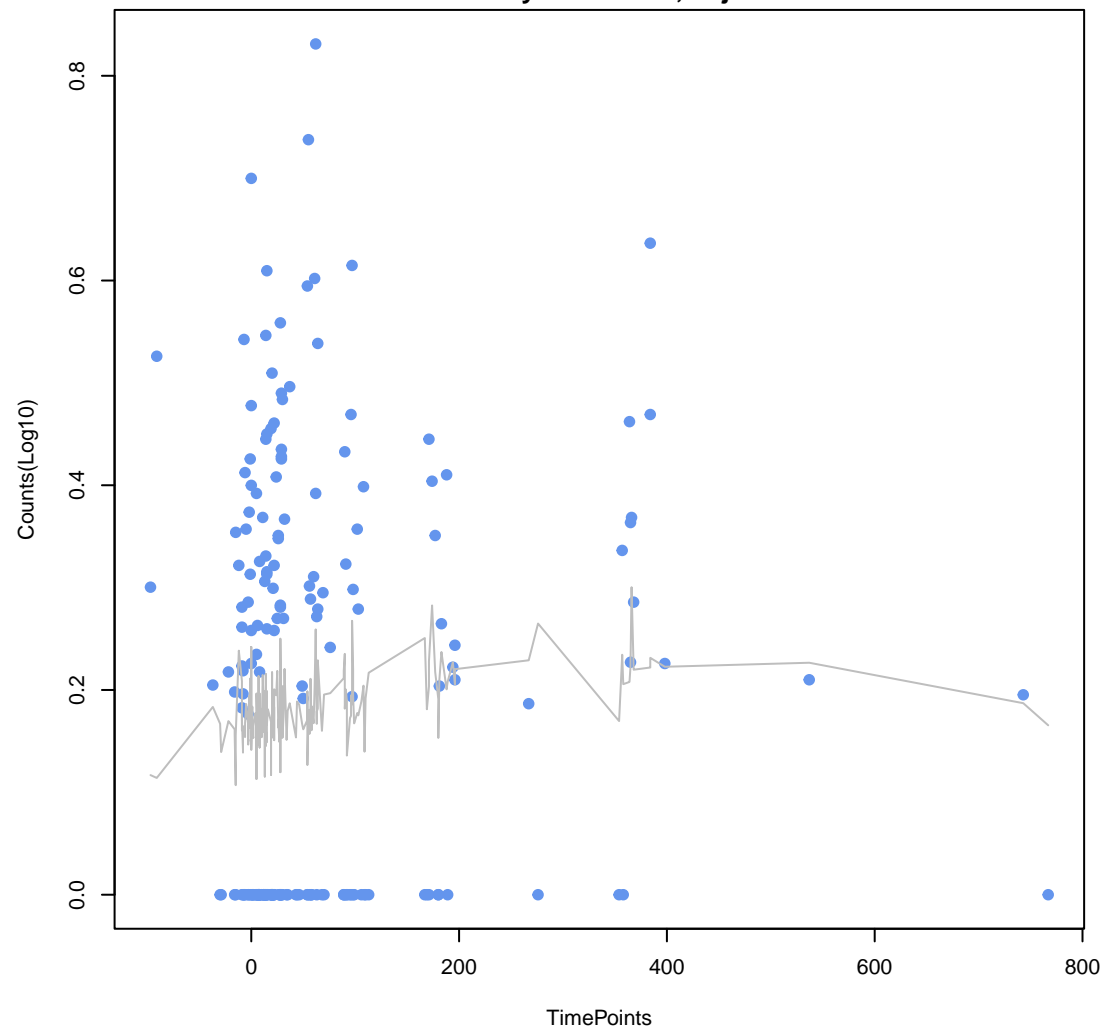
efrB

ANOVA P=0.447, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.109, adj. F-P=0.755



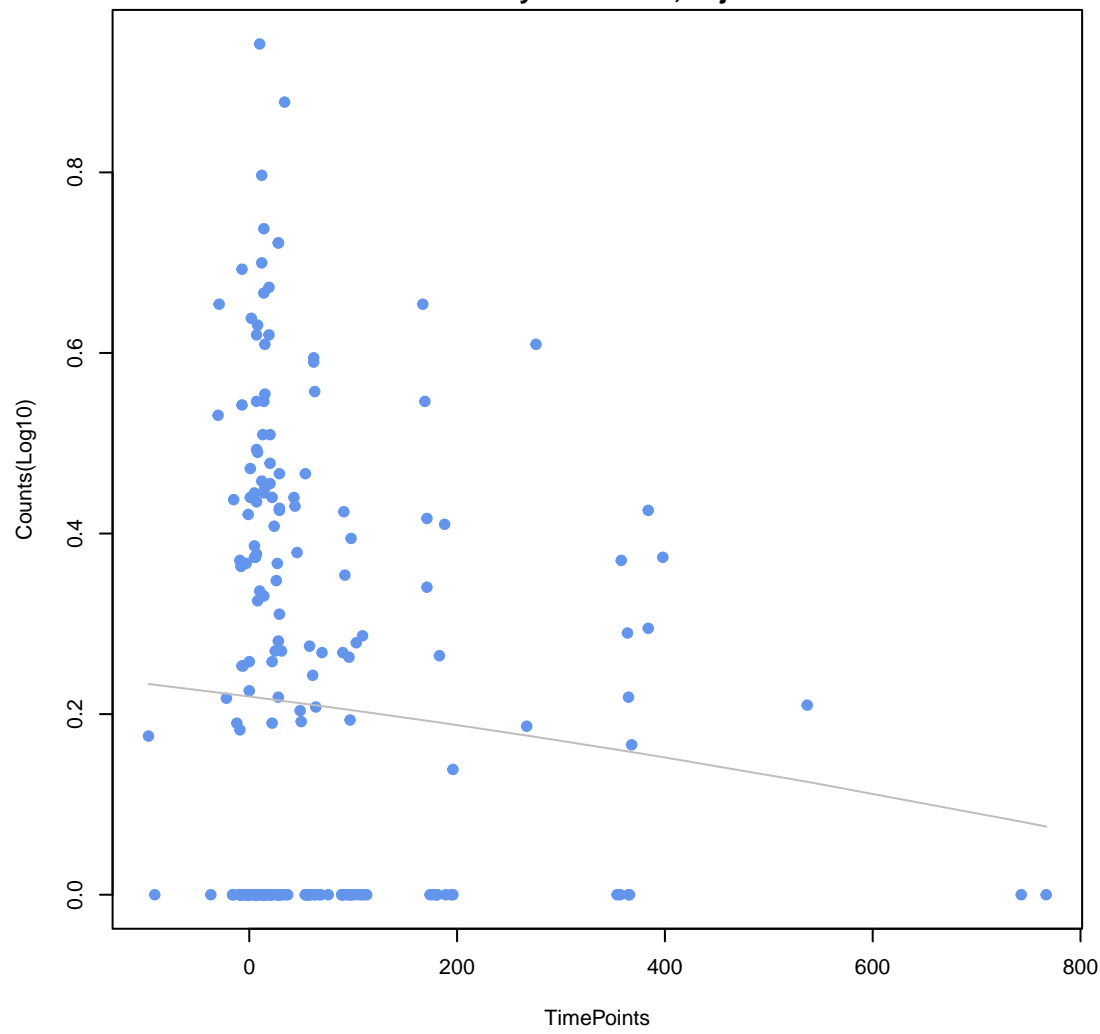
baeR

ANOVA P=0.45, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.741, adj. F-P=1



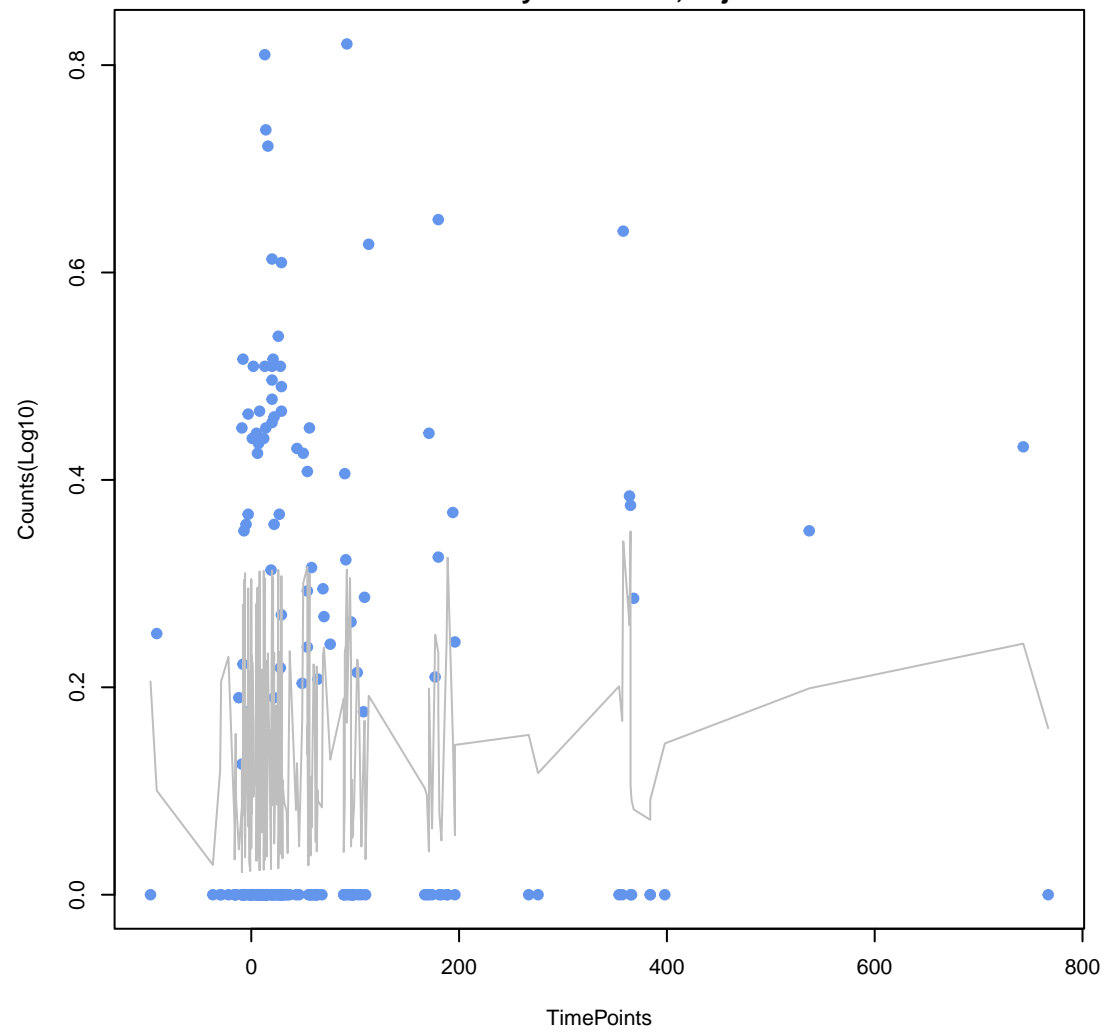
msrC

ANOVA P=0.462, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.927, adj. F-P=1

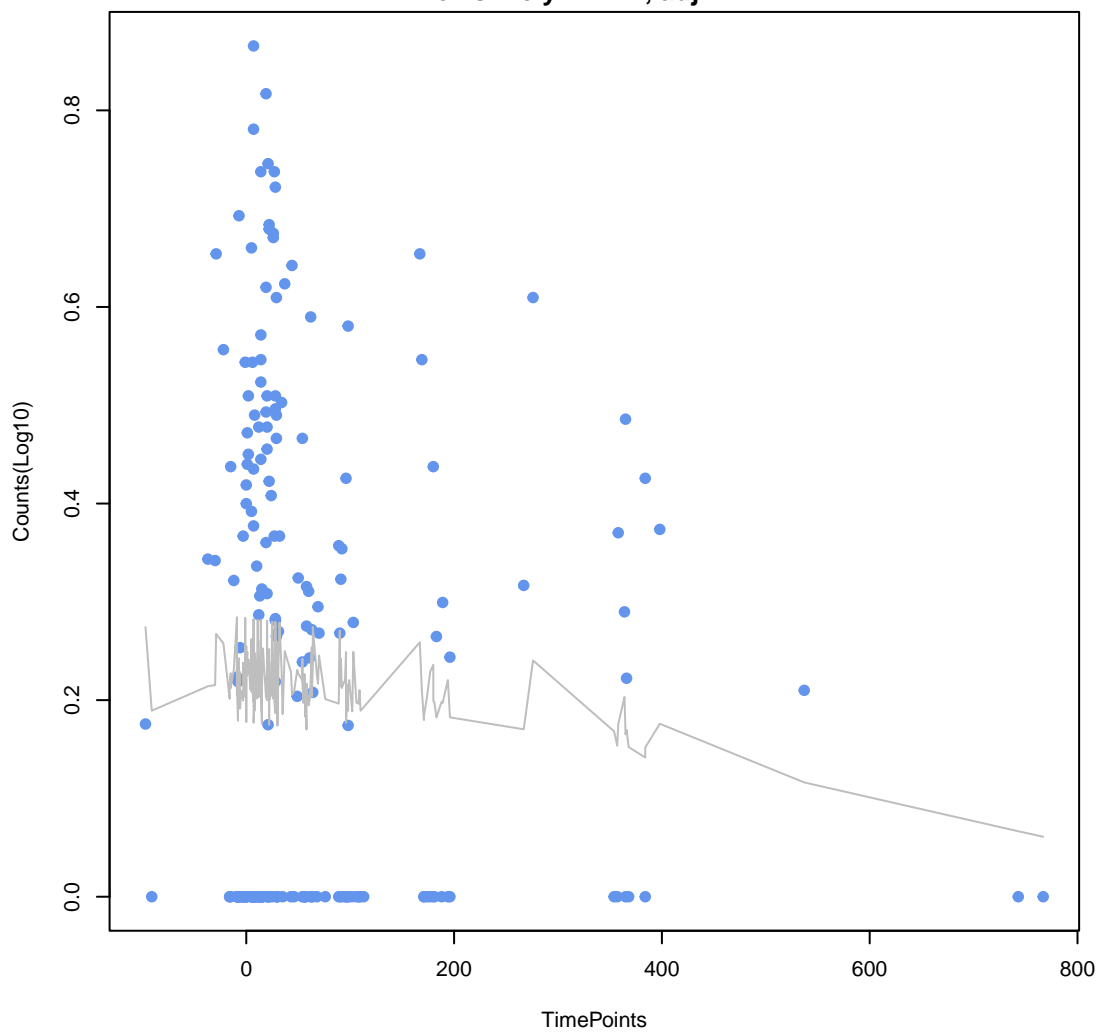


mdeA

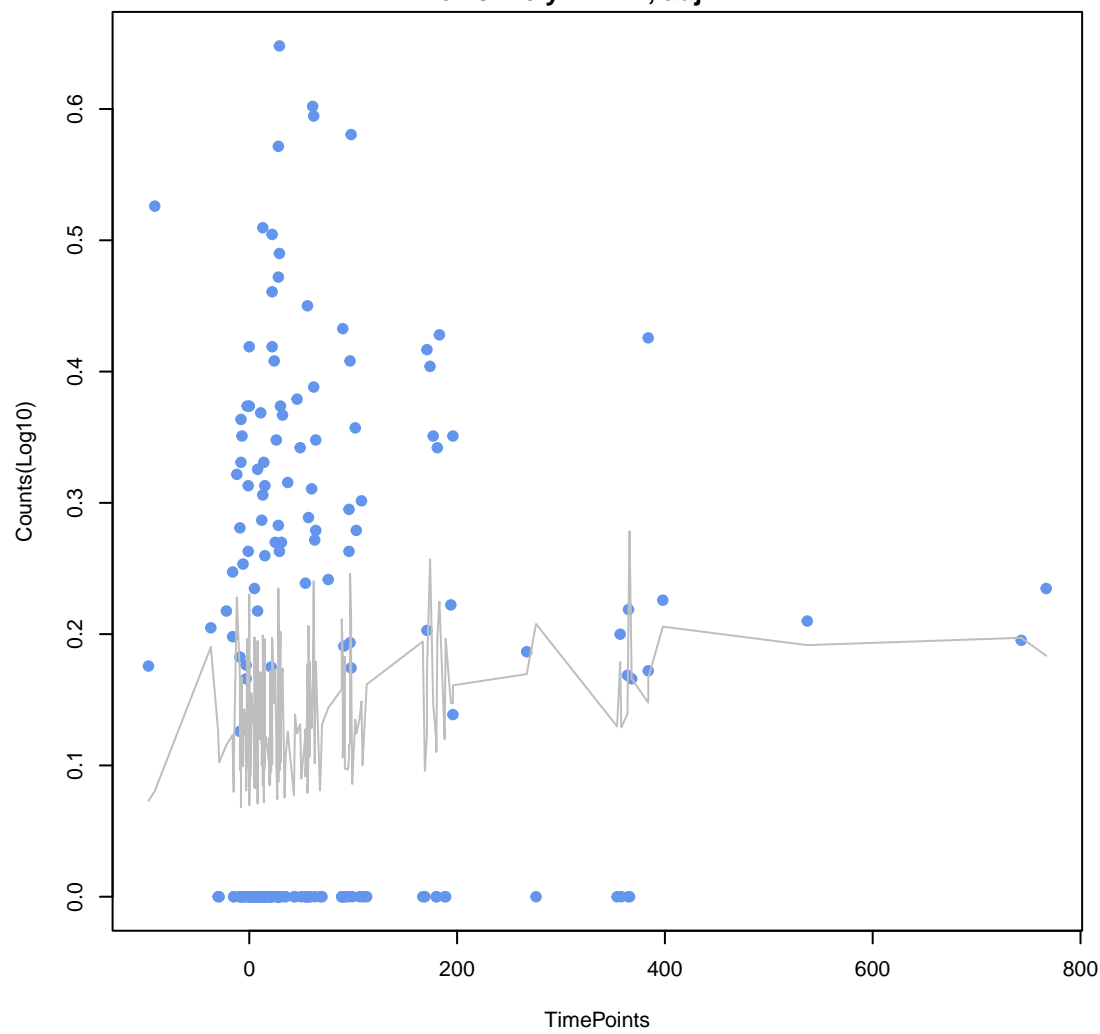
ANOVA P=0.466, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.901, adj. F-P=1



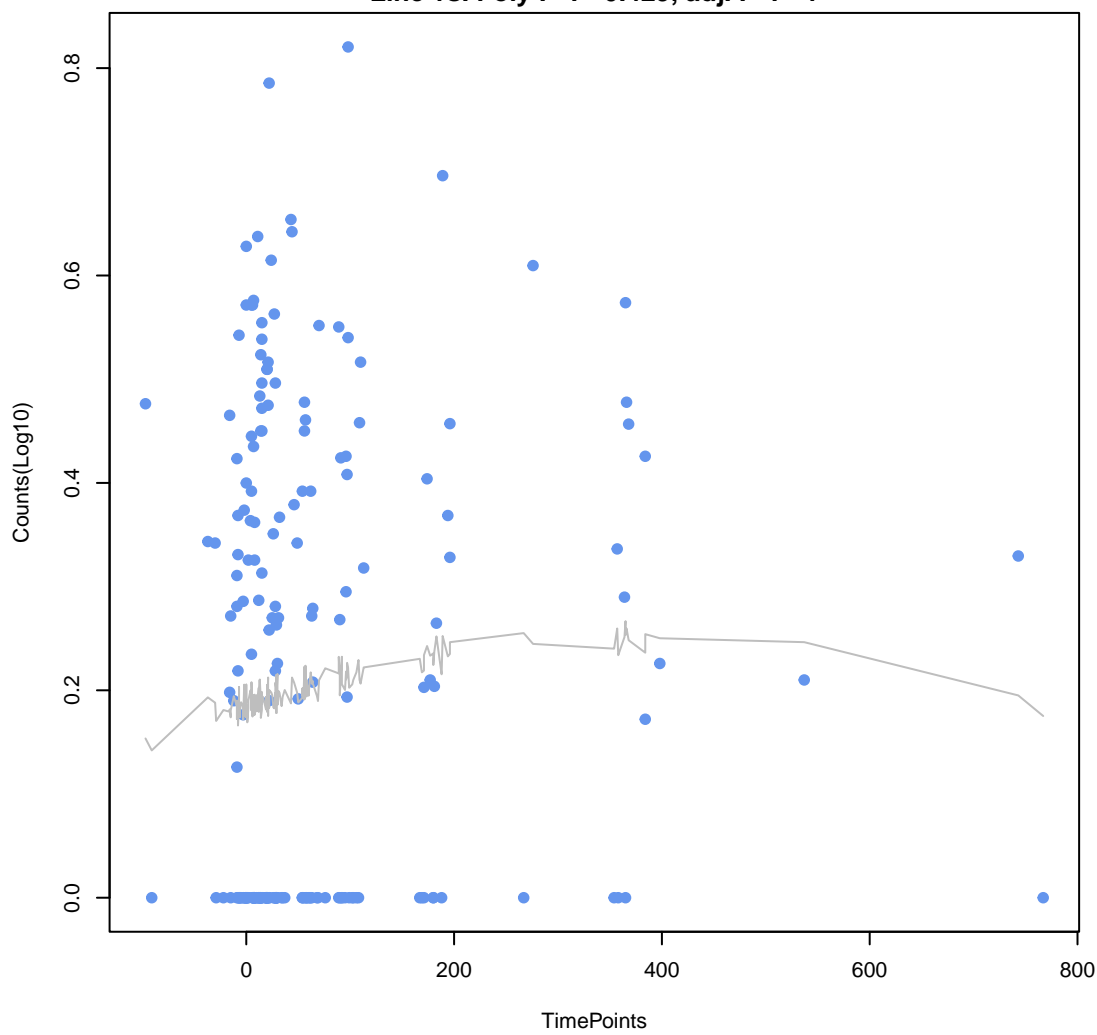
vanS gene in vanA cluster
ANOVA P=0.472, adj. ANOVA-P=0.803
Line vs. Poly F-P=1, adj. F-P=1



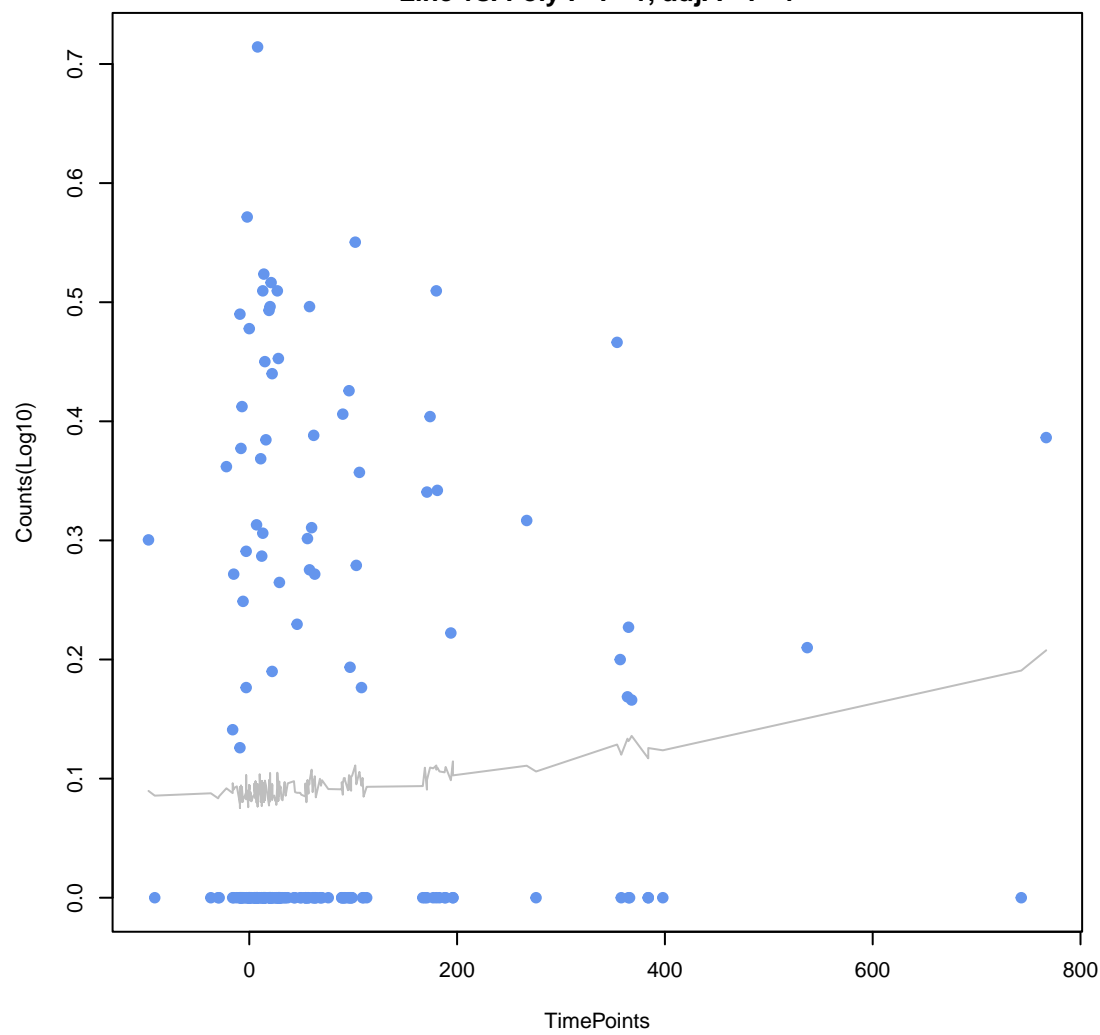
emrR
ANOVA P=0.474, adj. ANOVA-P=0.803
Line vs. Poly F-P=1, adj. F-P=1



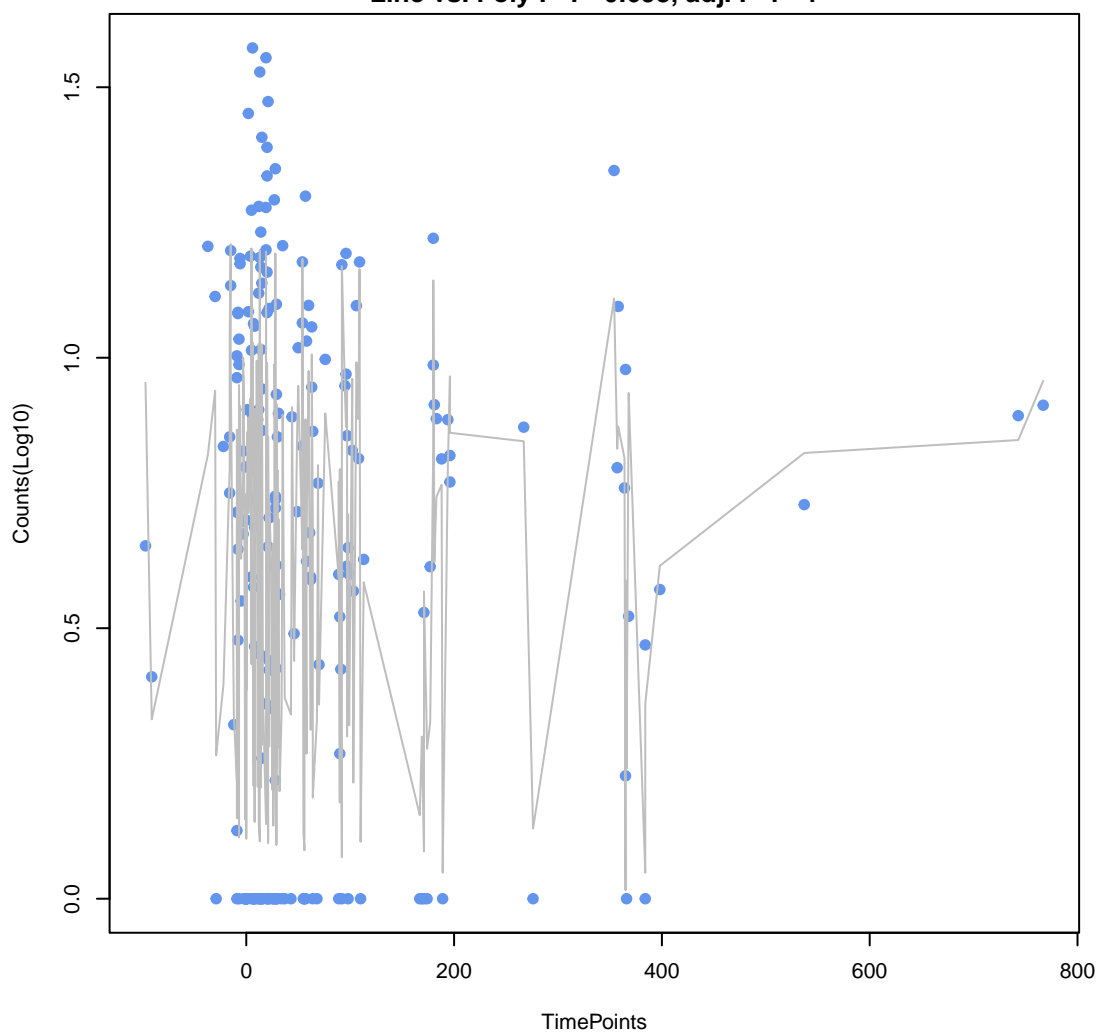
mdtO
ANOVA P=0.478, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.429, adj. F-P=1



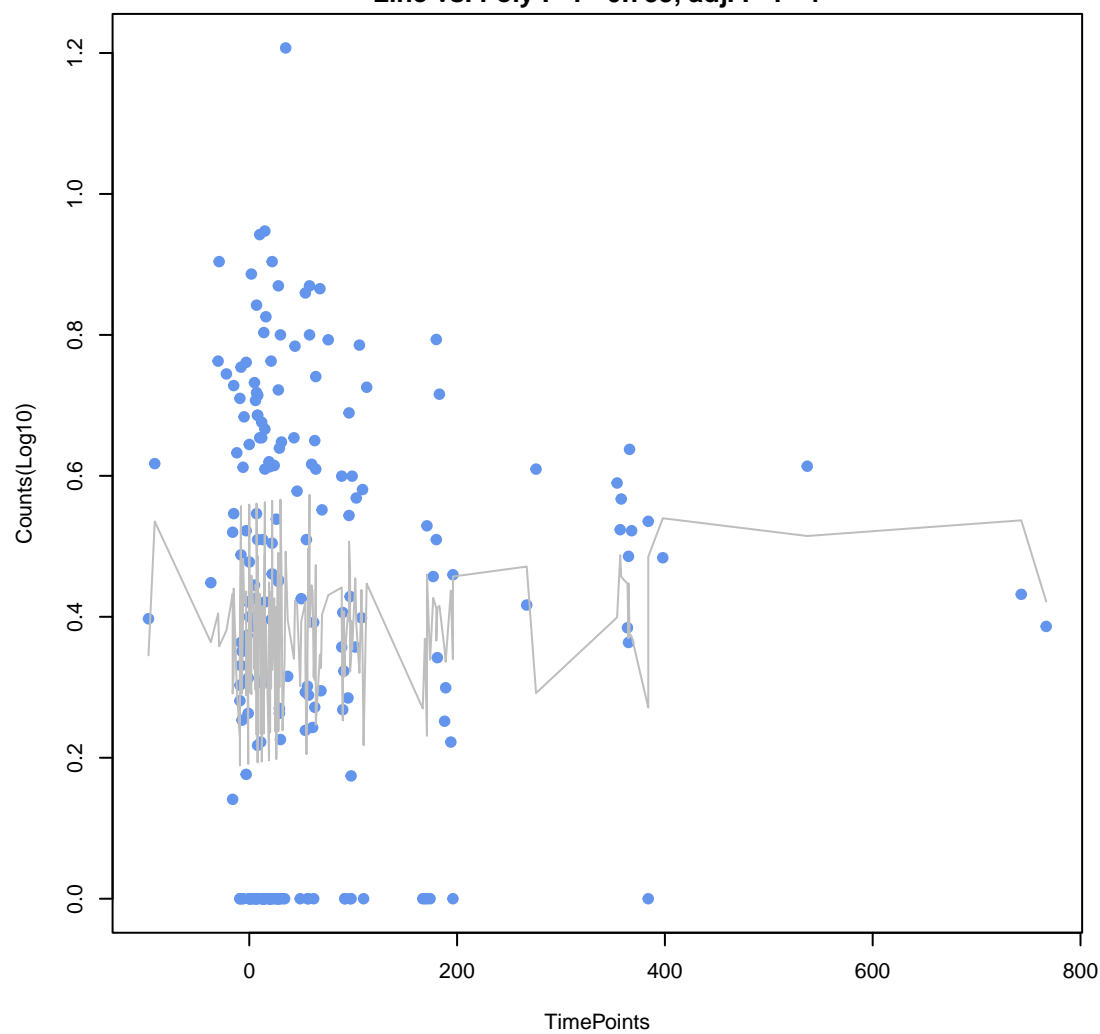
tet(W/N/W)
ANOVA P=0.483, adj. ANOVA-P=0.803
Line vs. Poly F-P=1, adj. F-P=1

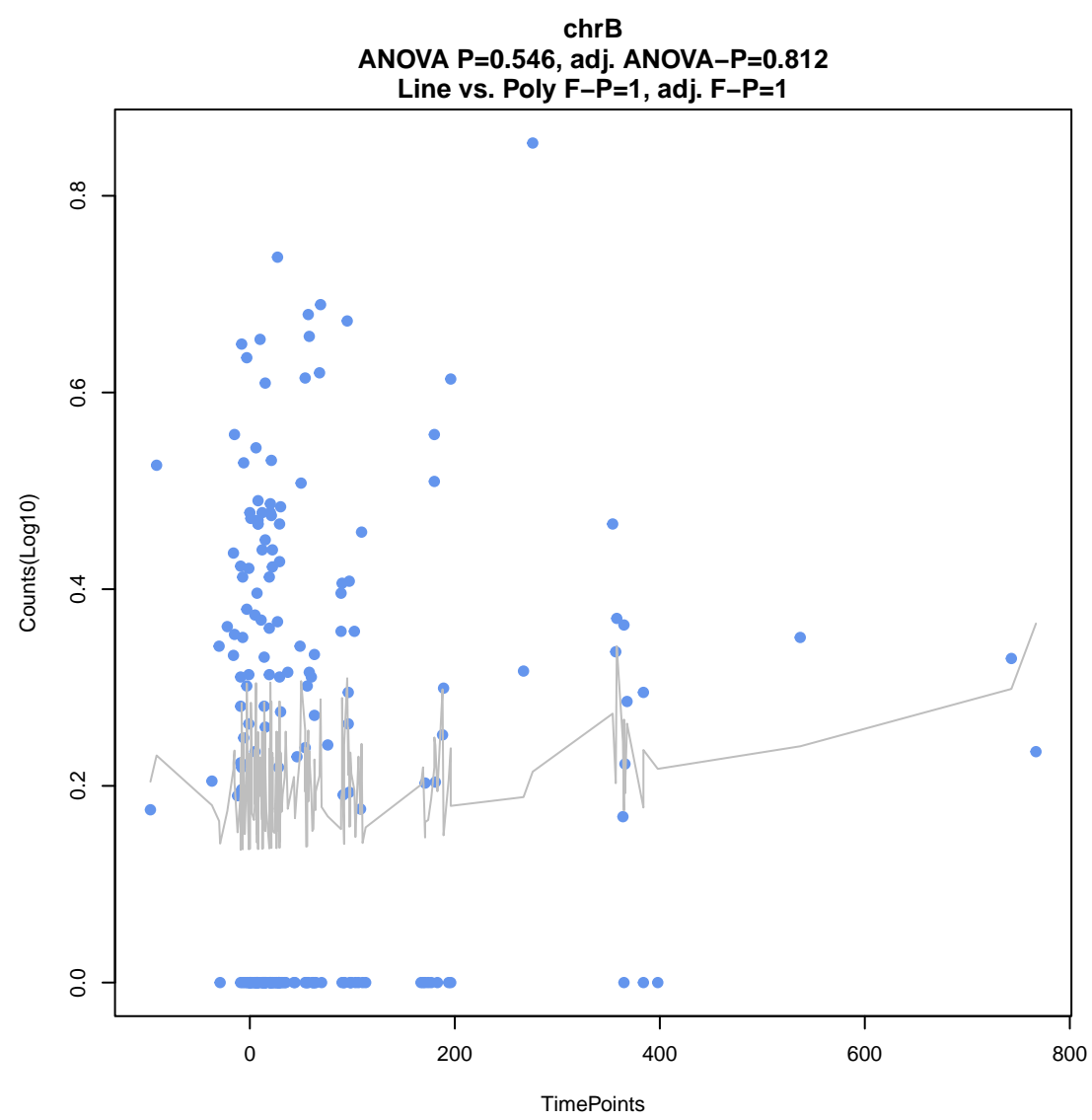
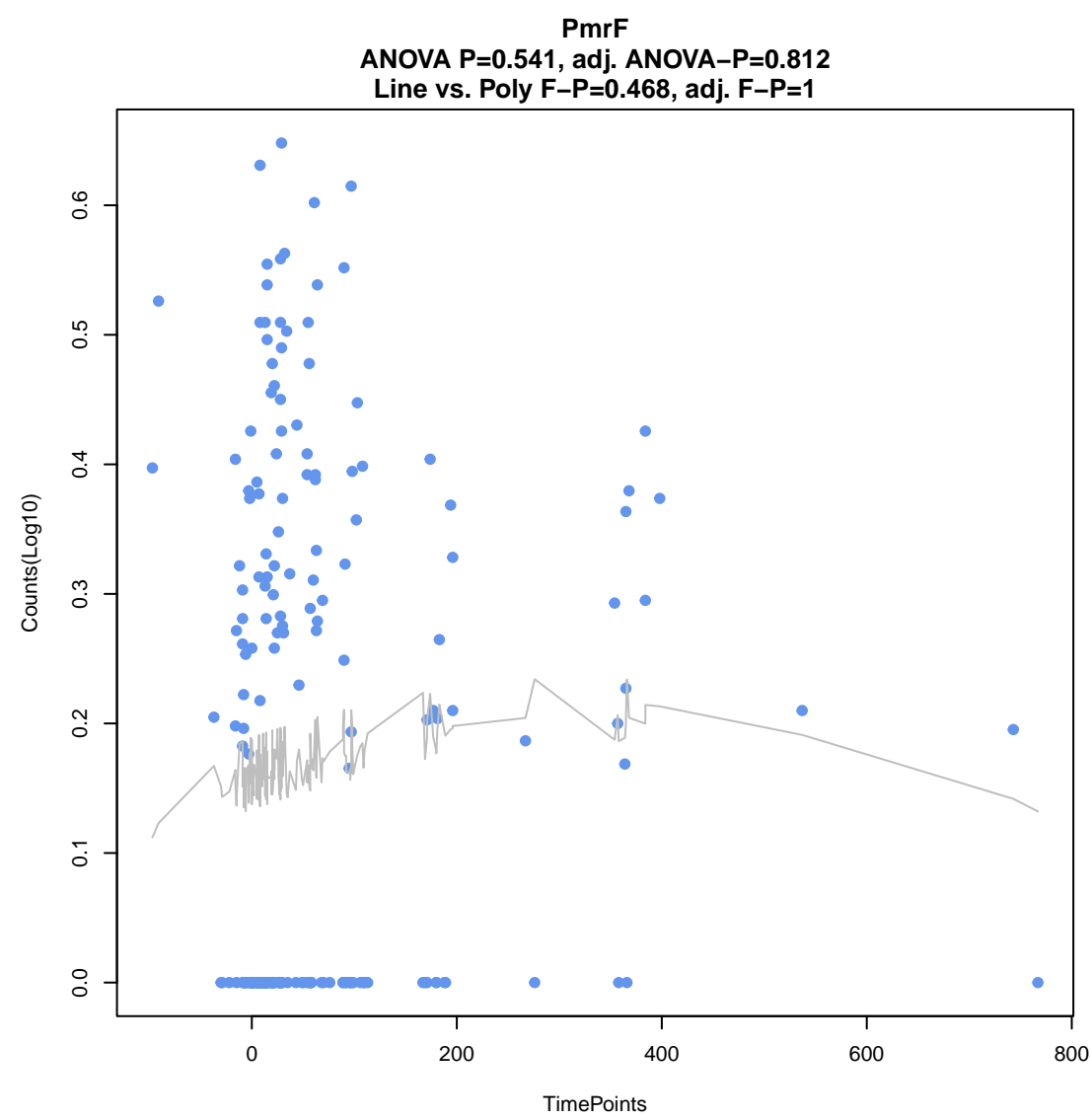
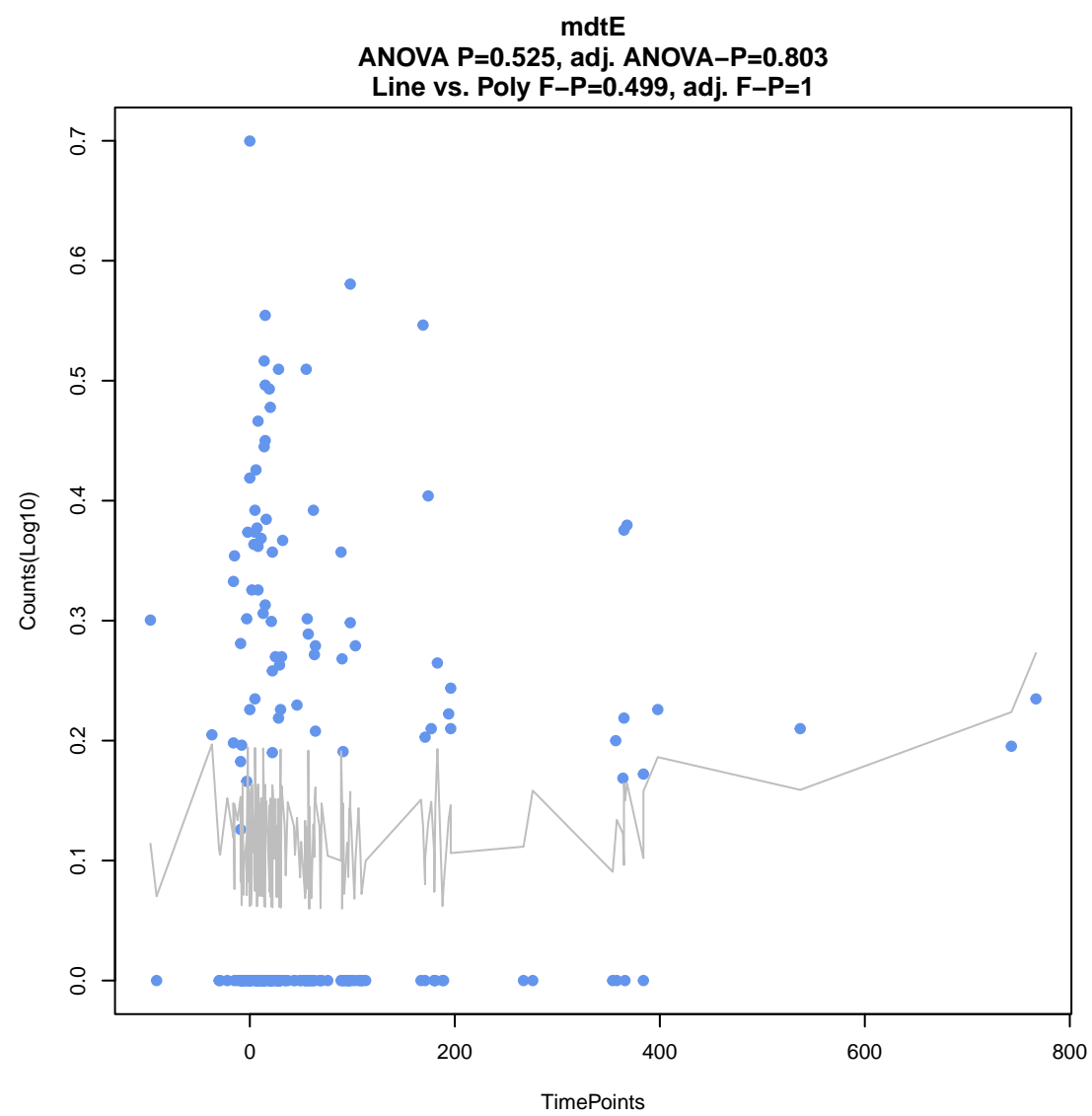
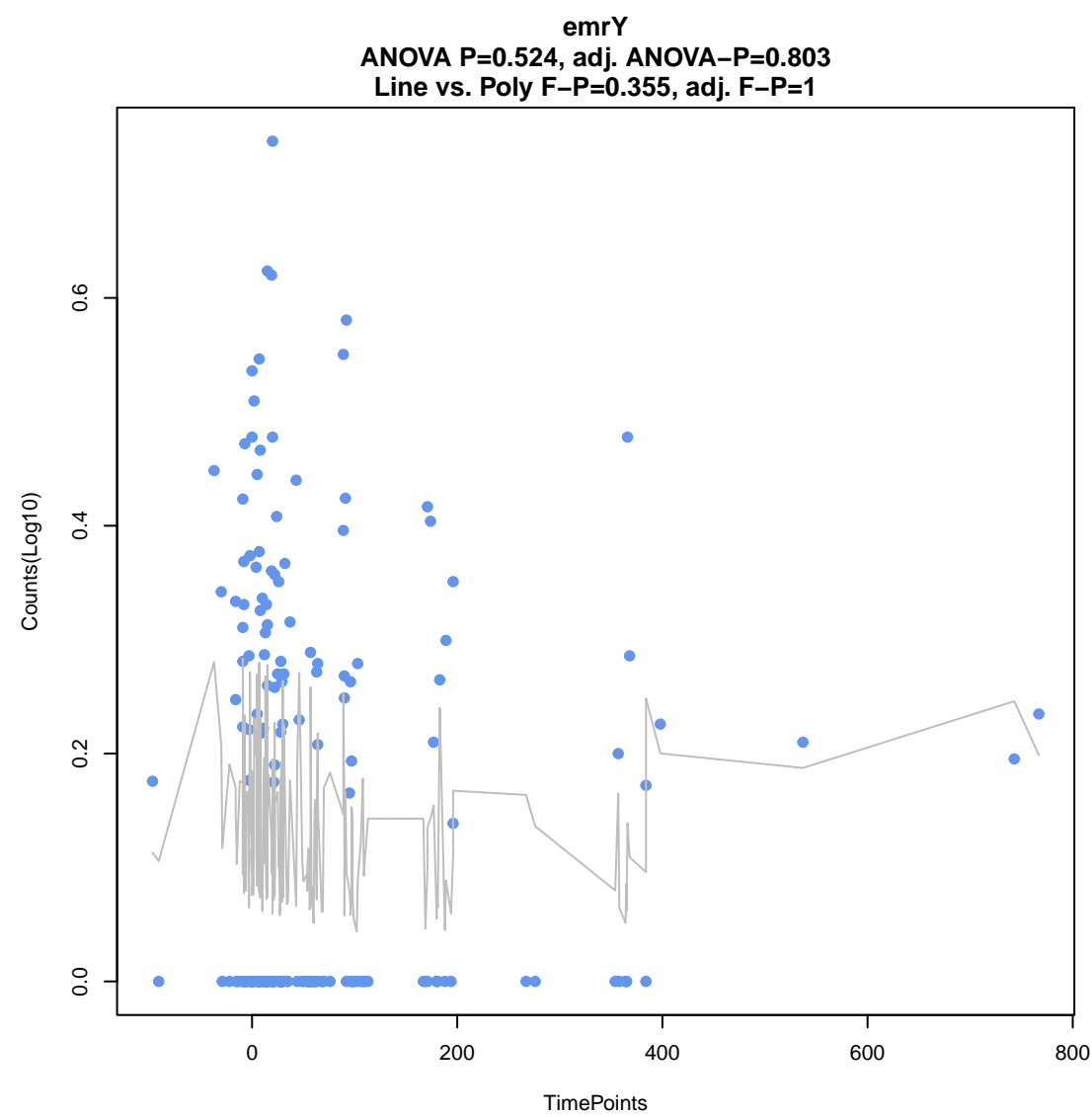
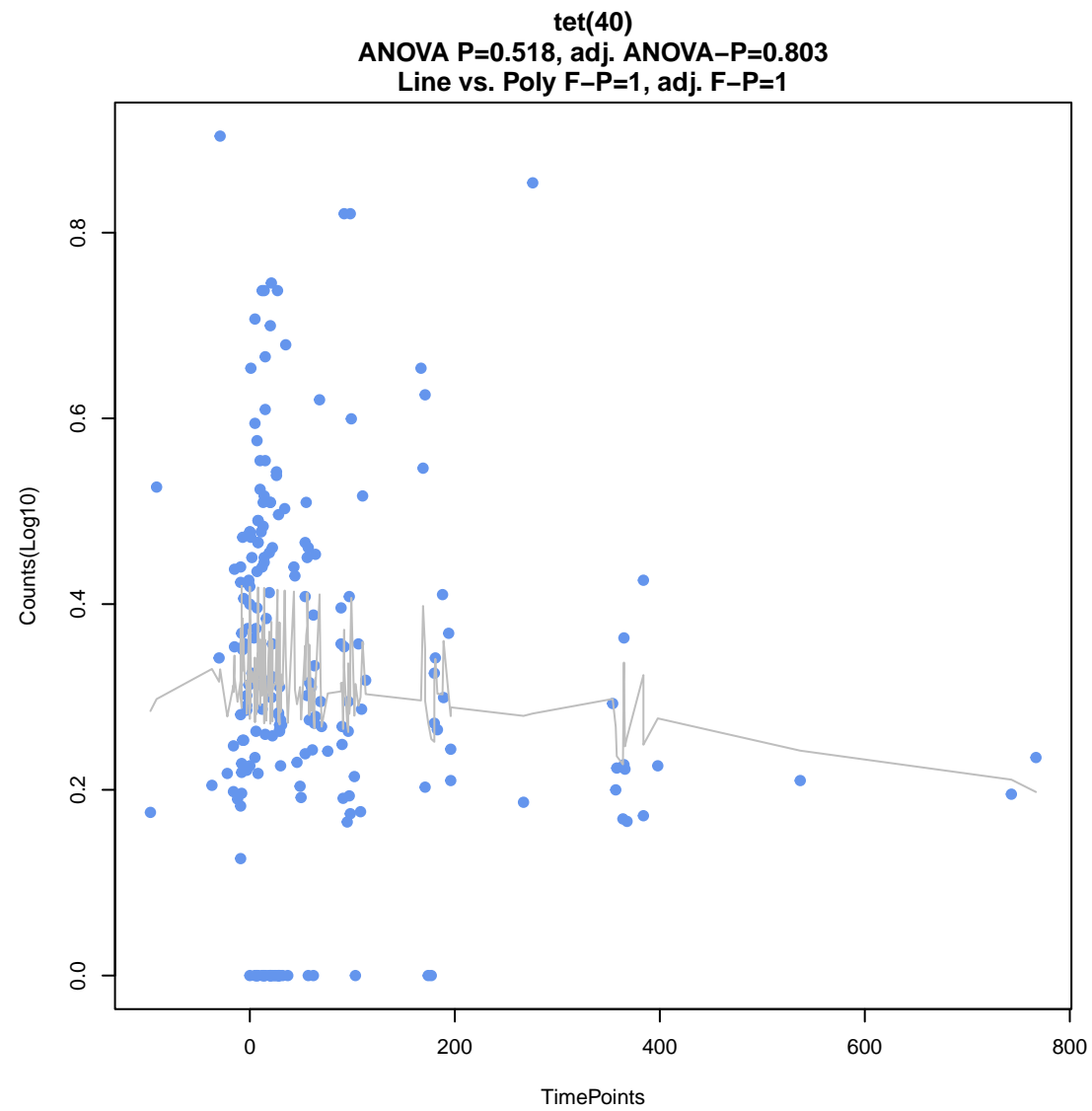
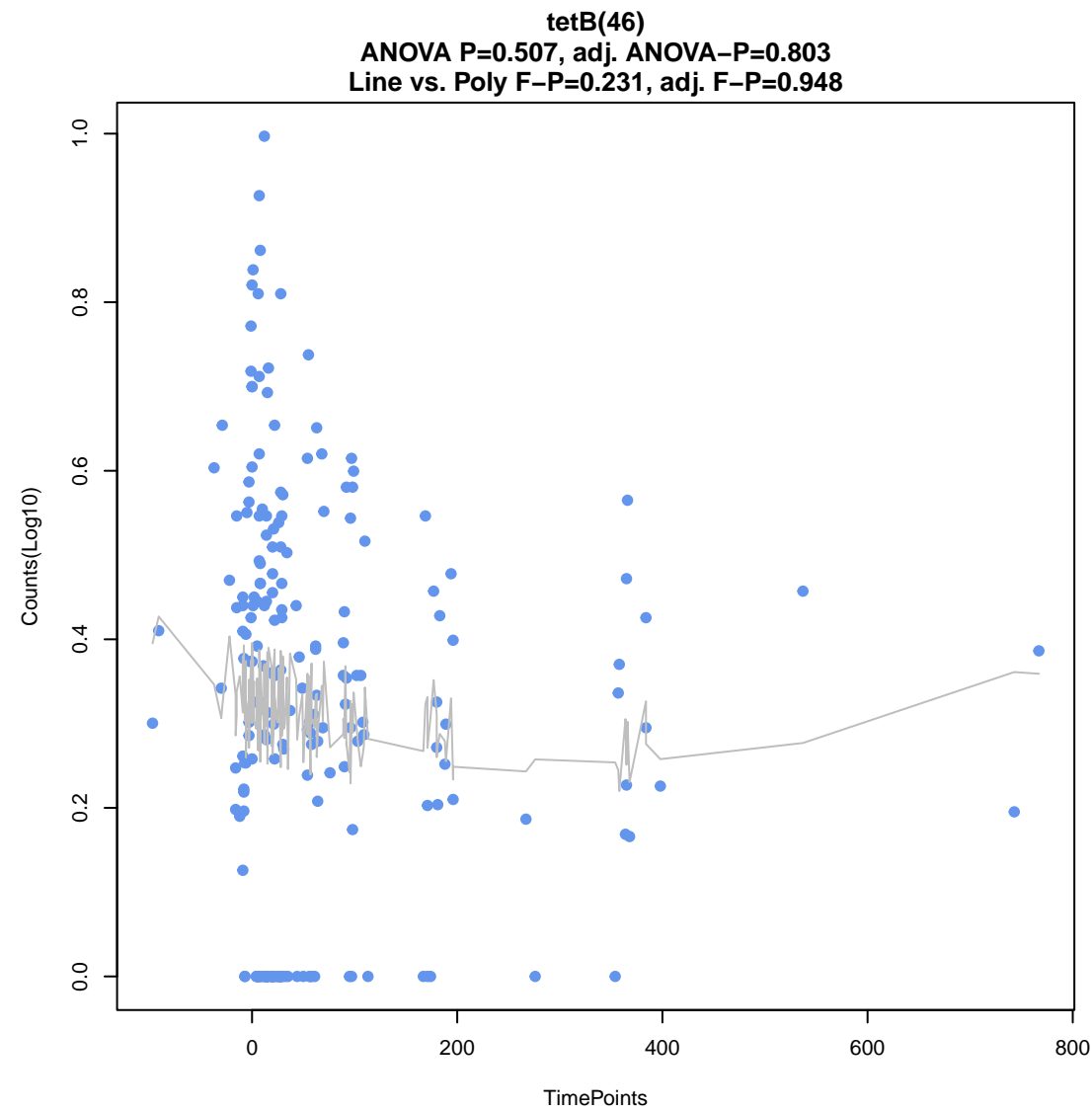


adeF
ANOVA P=0.499, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.698, adj. F-P=1

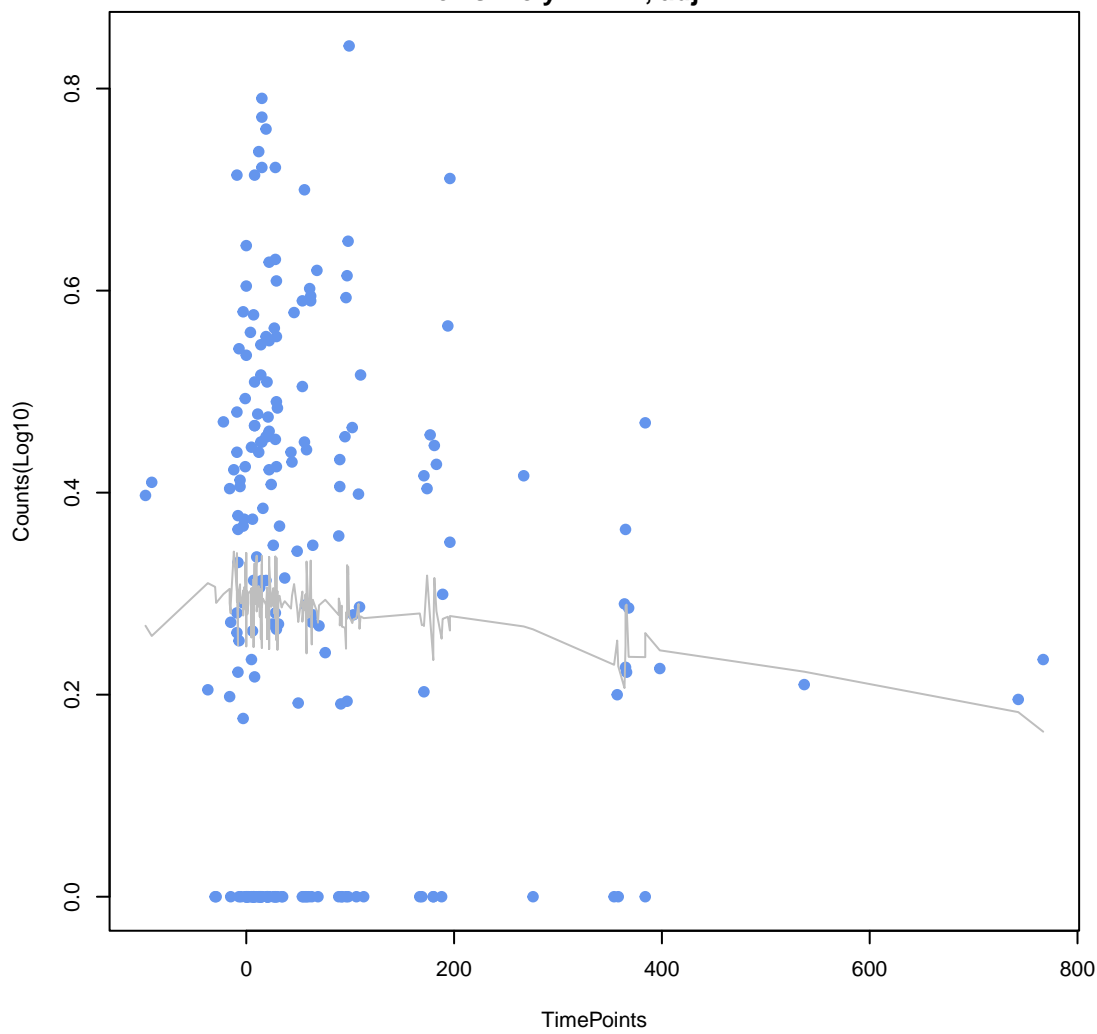


poxtA
ANOVA P=0.5, adj. ANOVA-P=0.803
Line vs. Poly F-P=0.755, adj. F-P=1

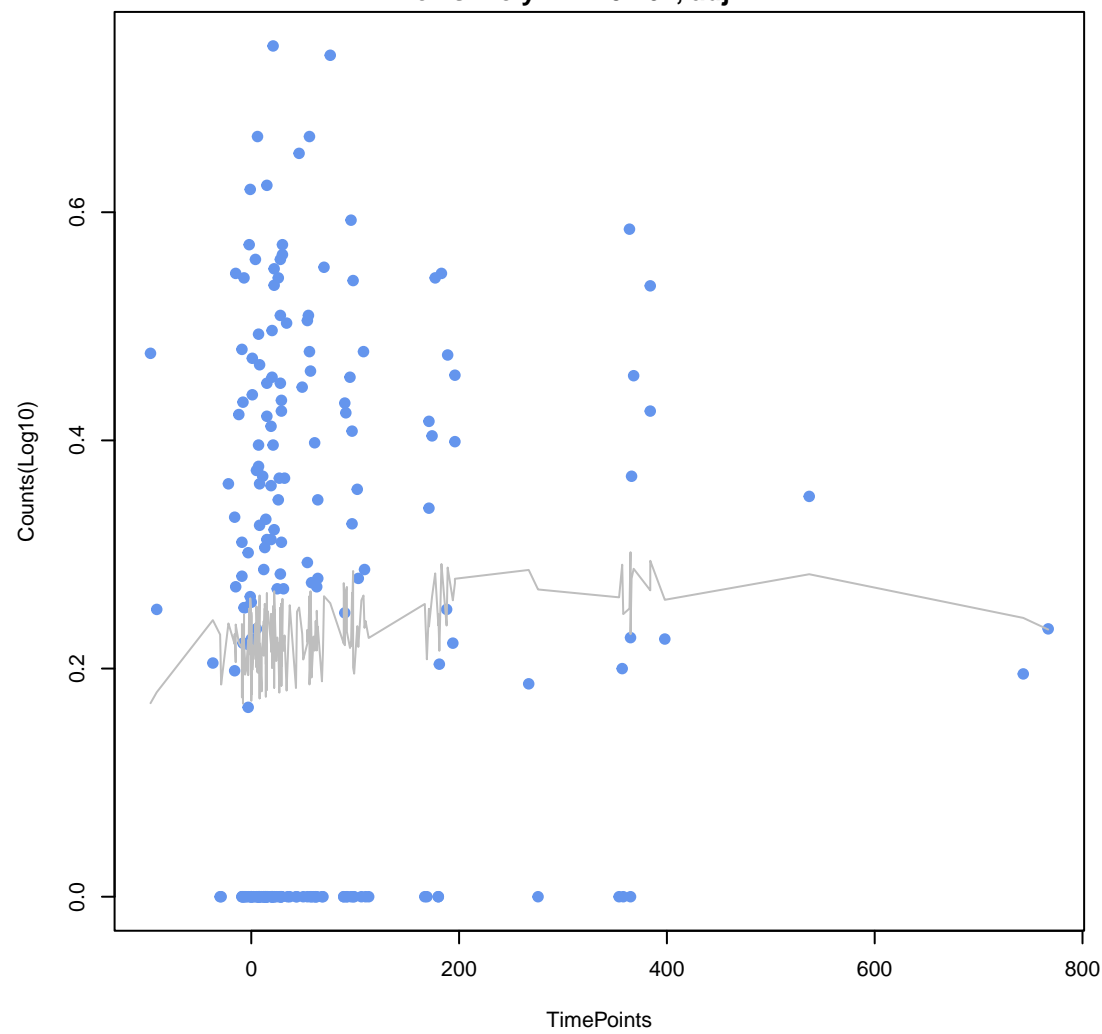




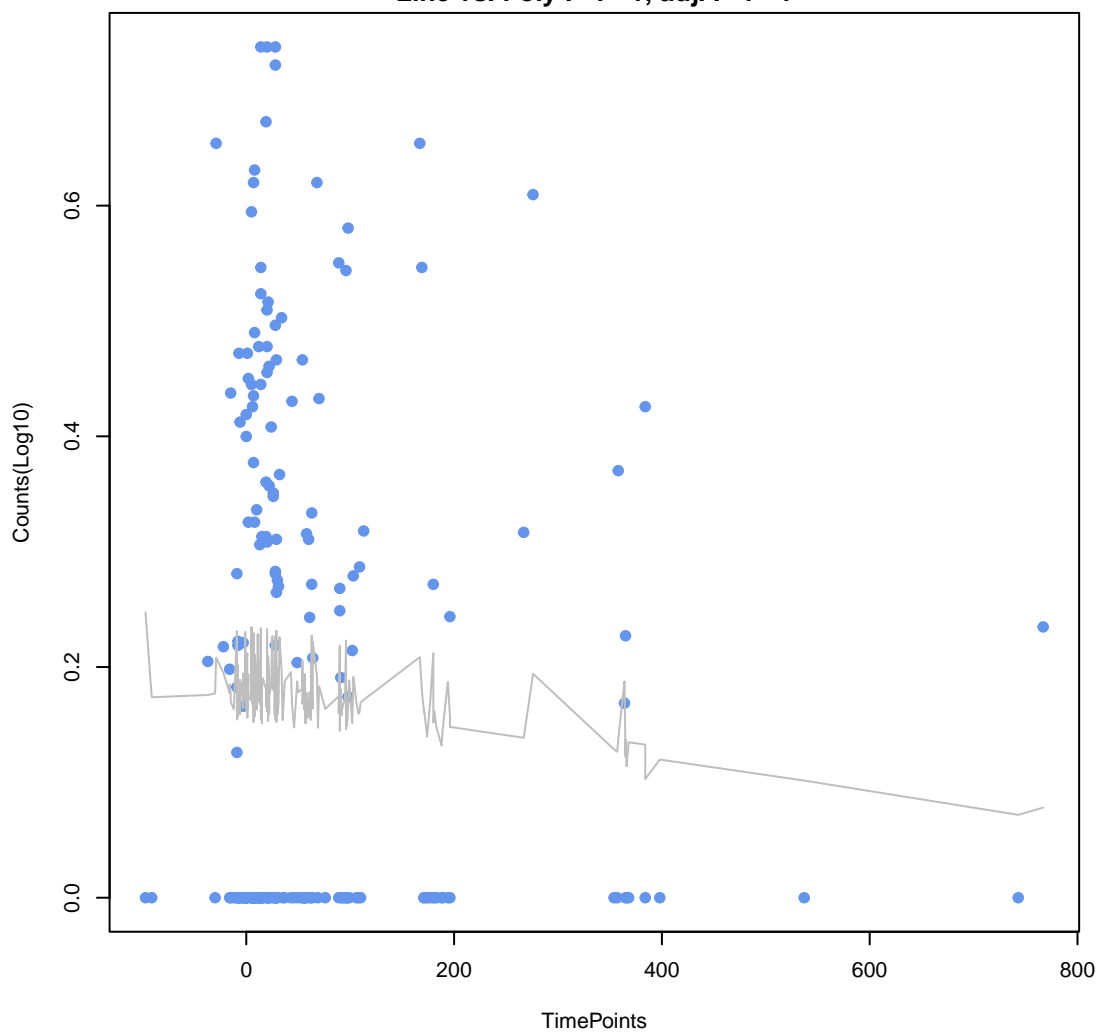
mdtC
ANOVA P=0.564, adj. ANOVA-P=0.822
Line vs. Poly F-P=1, adj. F-P=1



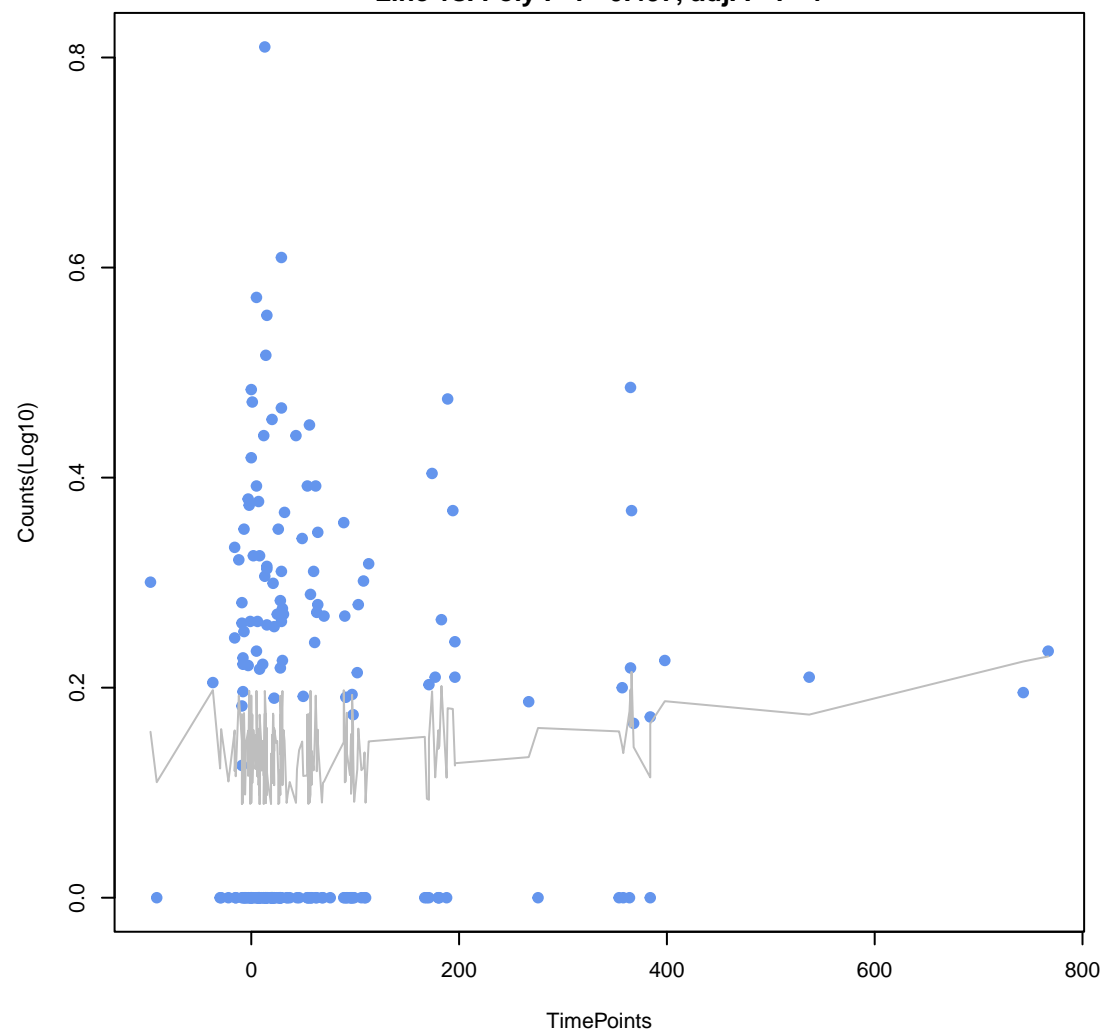
cpxA
ANOVA P=0.575, adj. ANOVA-P=0.822
Line vs. Poly F-P=0.267, adj. F-P=1



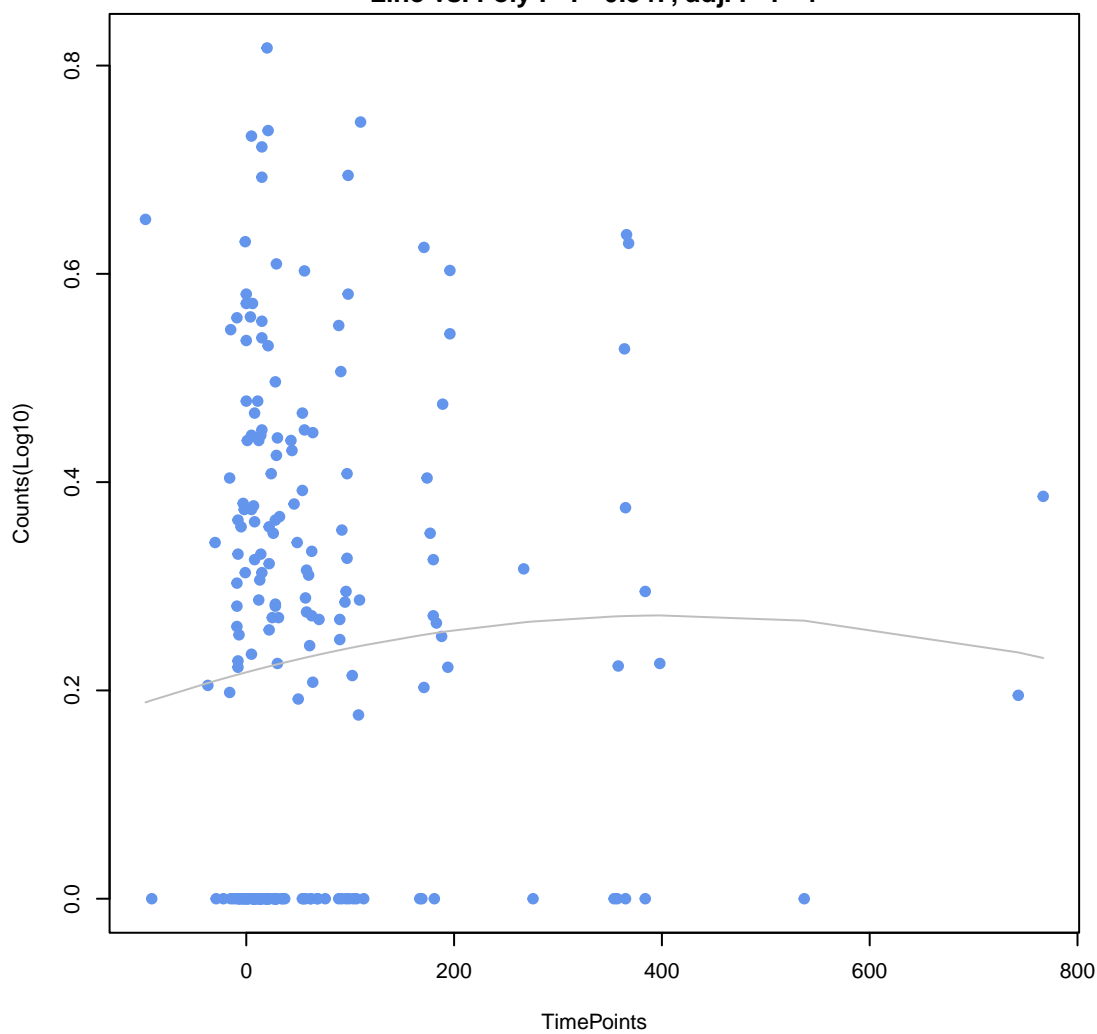
vanX gene in vanA cluster
ANOVA P=0.576, adj. ANOVA-P=0.822
Line vs. Poly F-P=1, adj. F-P=1



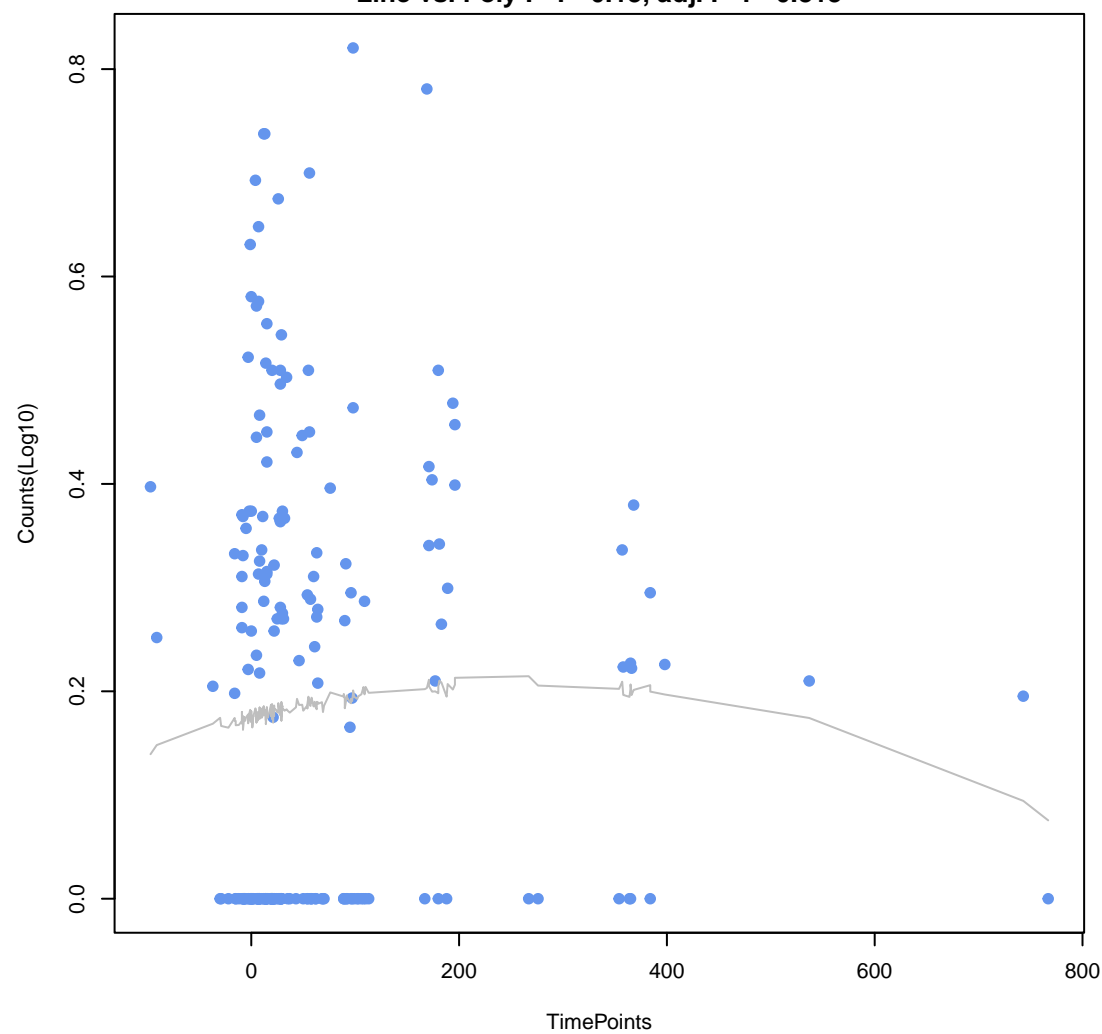
Escherichia coli acrA
ANOVA P=0.597, adj. ANOVA-P=0.83
Line vs. Poly F-P=0.497, adj. F-P=1



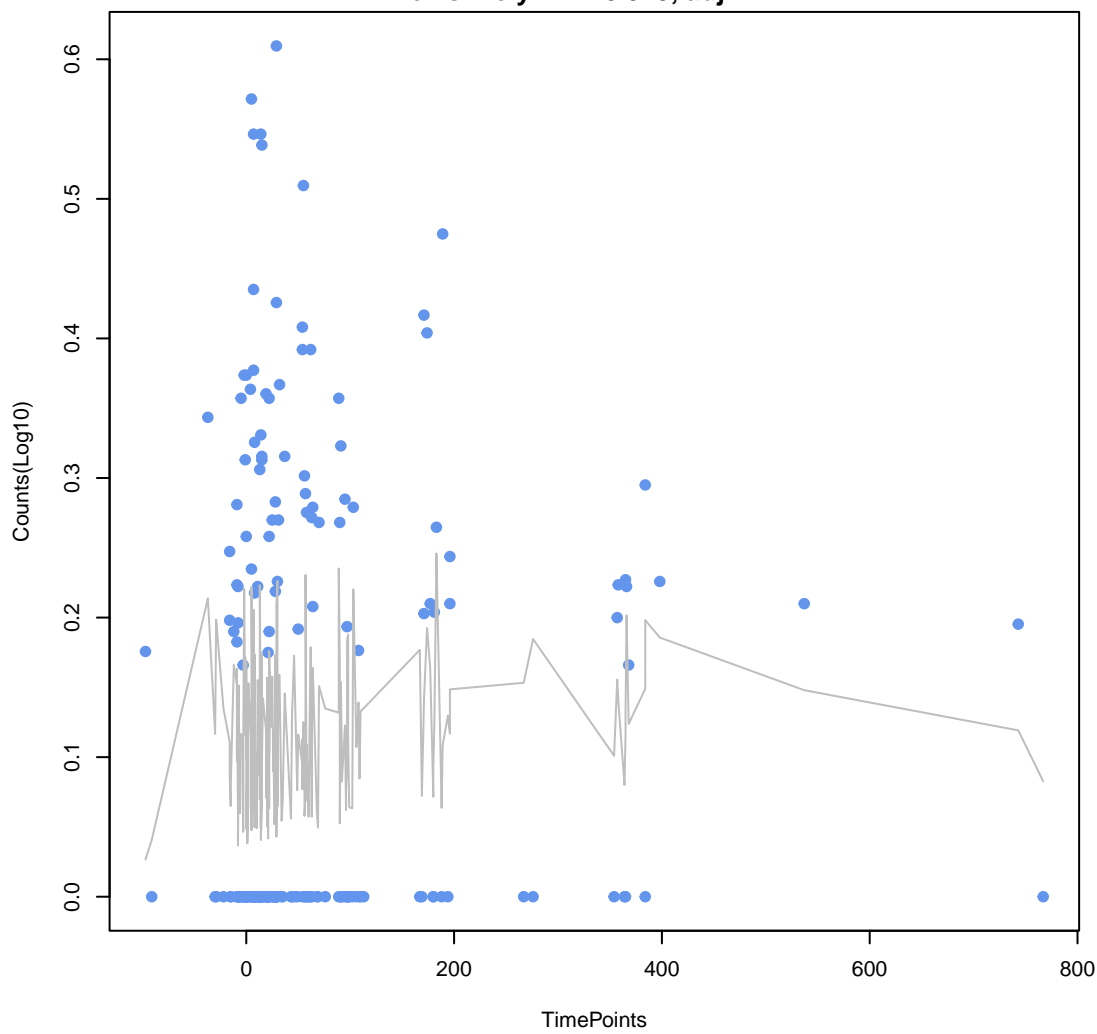
AcrF
ANOVA P=0.597, adj. ANOVA-P=0.83
Line vs. Poly F-P=0.547, adj. F-P=1



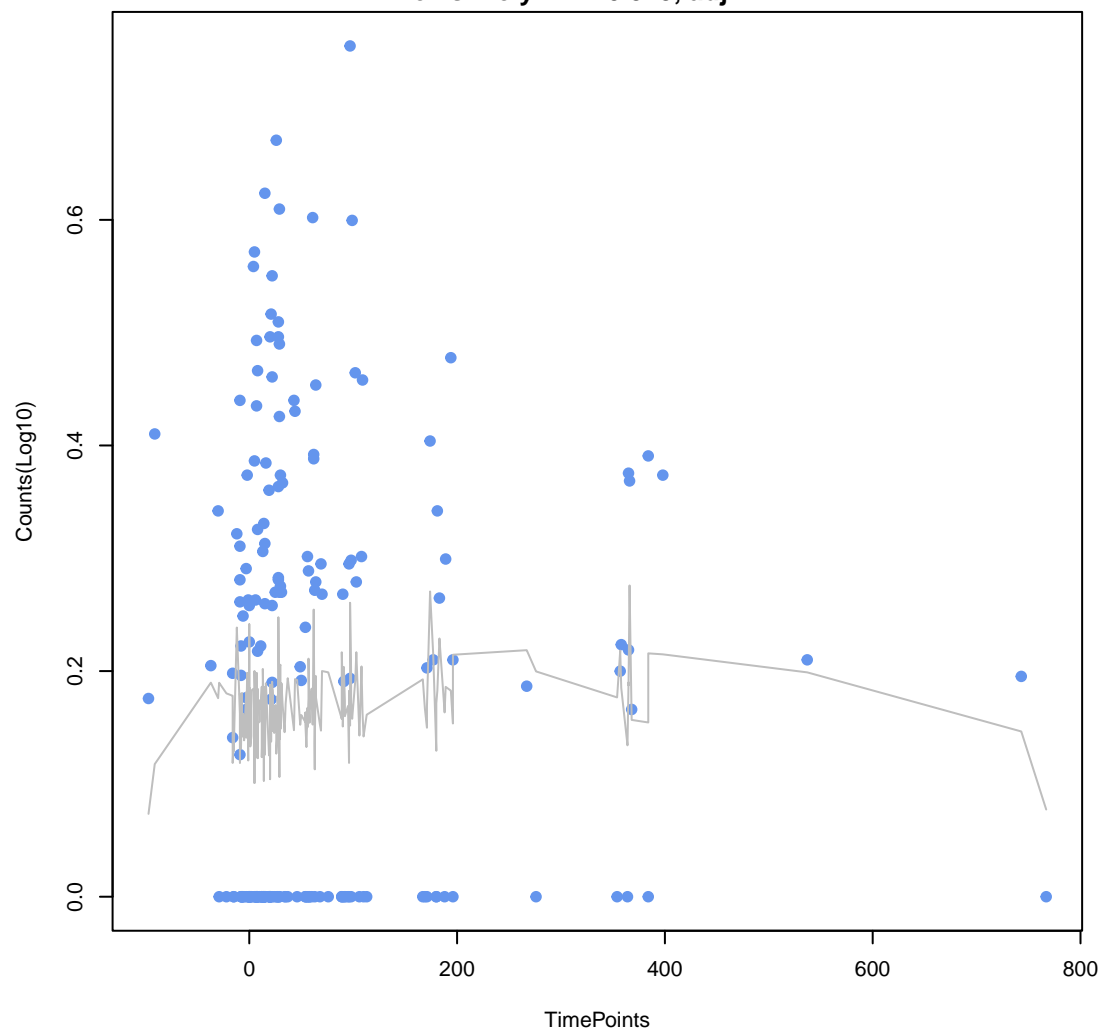
ToIC
ANOVA P=0.612, adj. ANOVA-P=0.832
Line vs. Poly F-P=0.13, adj. F-P=0.813



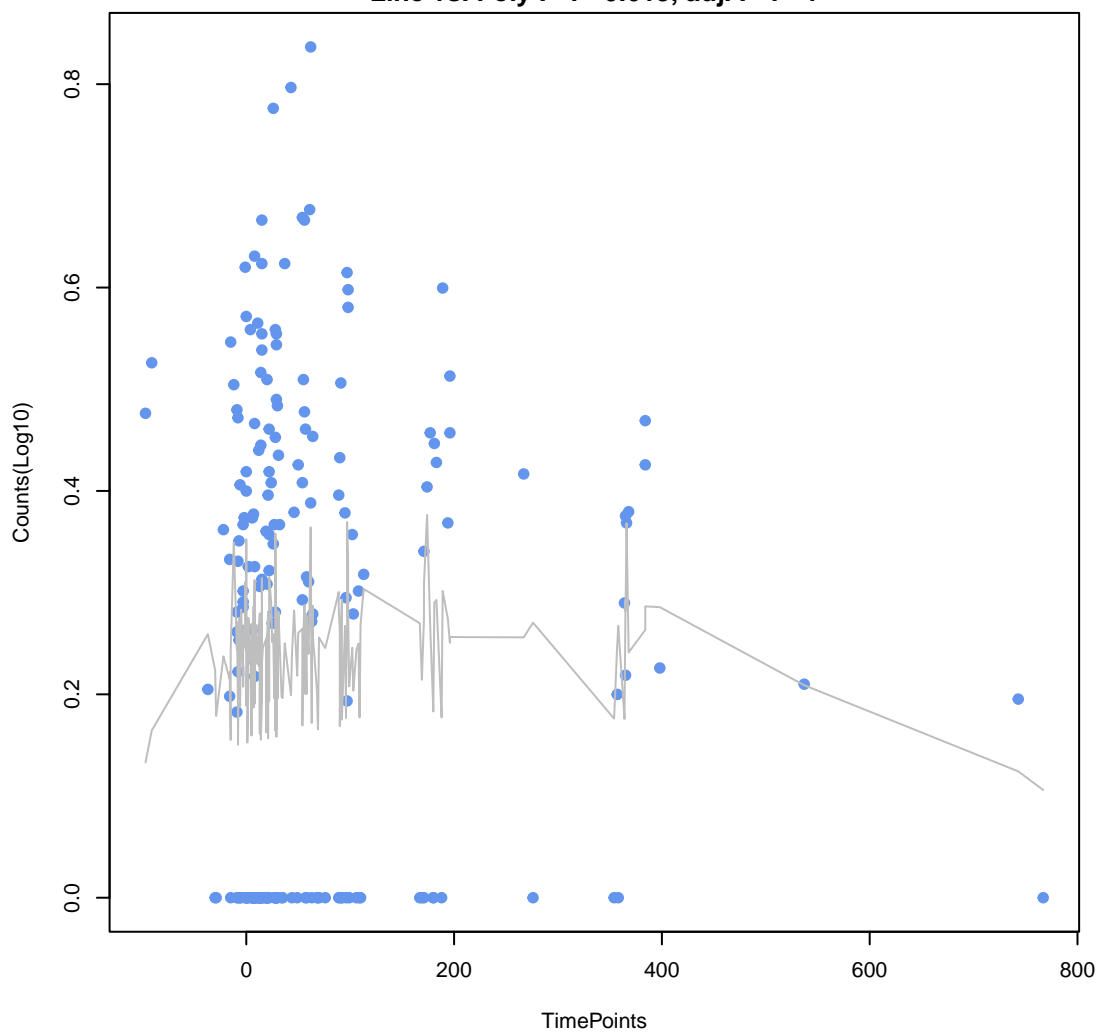
Escherichia coli soxR with mutation conferring antibiotic resistance
ANOVA P=0.614, adj. ANOVA-P=0.832
Line vs. Poly F-P=0.523, adj. F-P=1



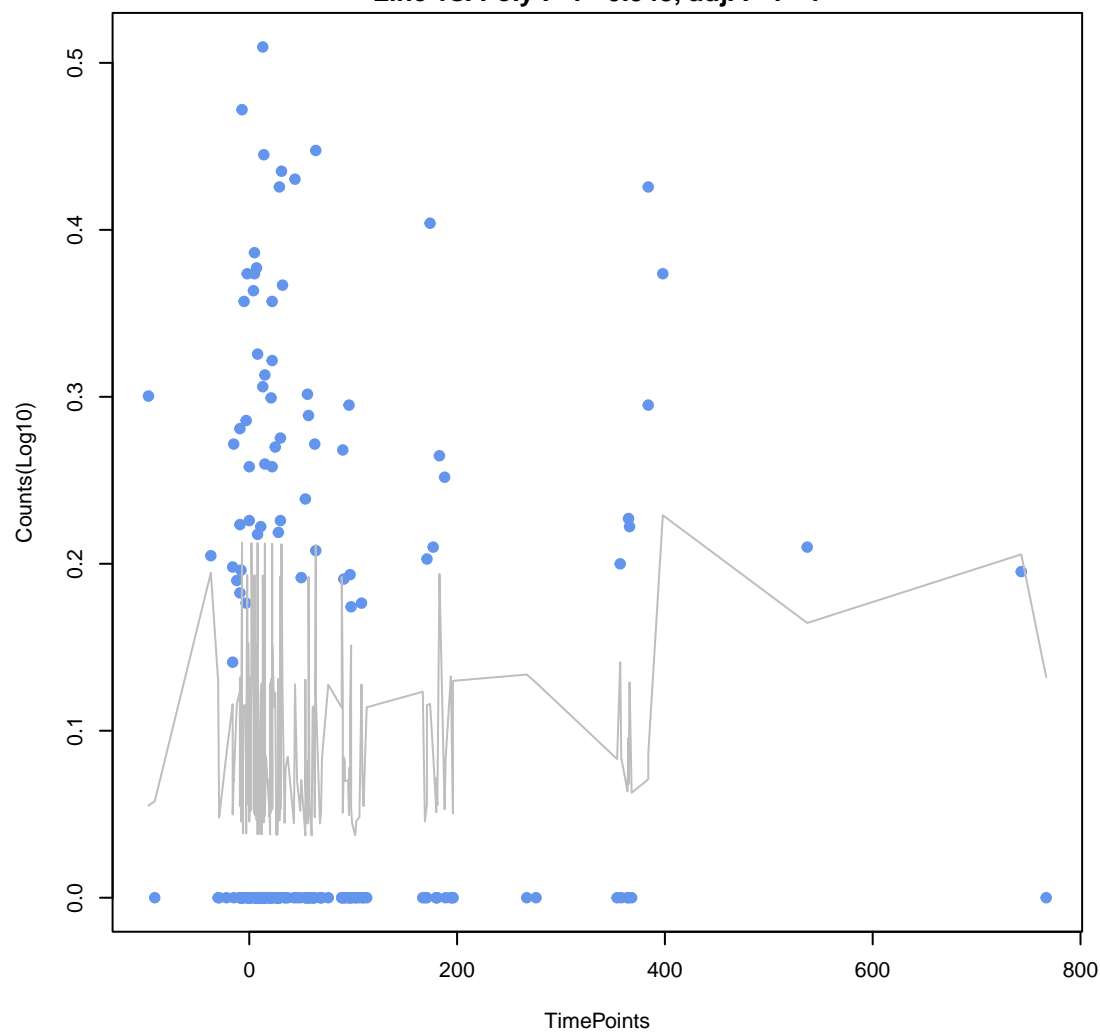
Escherichia coli mdfA
ANOVA P=0.626, adj. ANOVA-P=0.836
Line vs. Poly F-P=0.525, adj. F-P=1



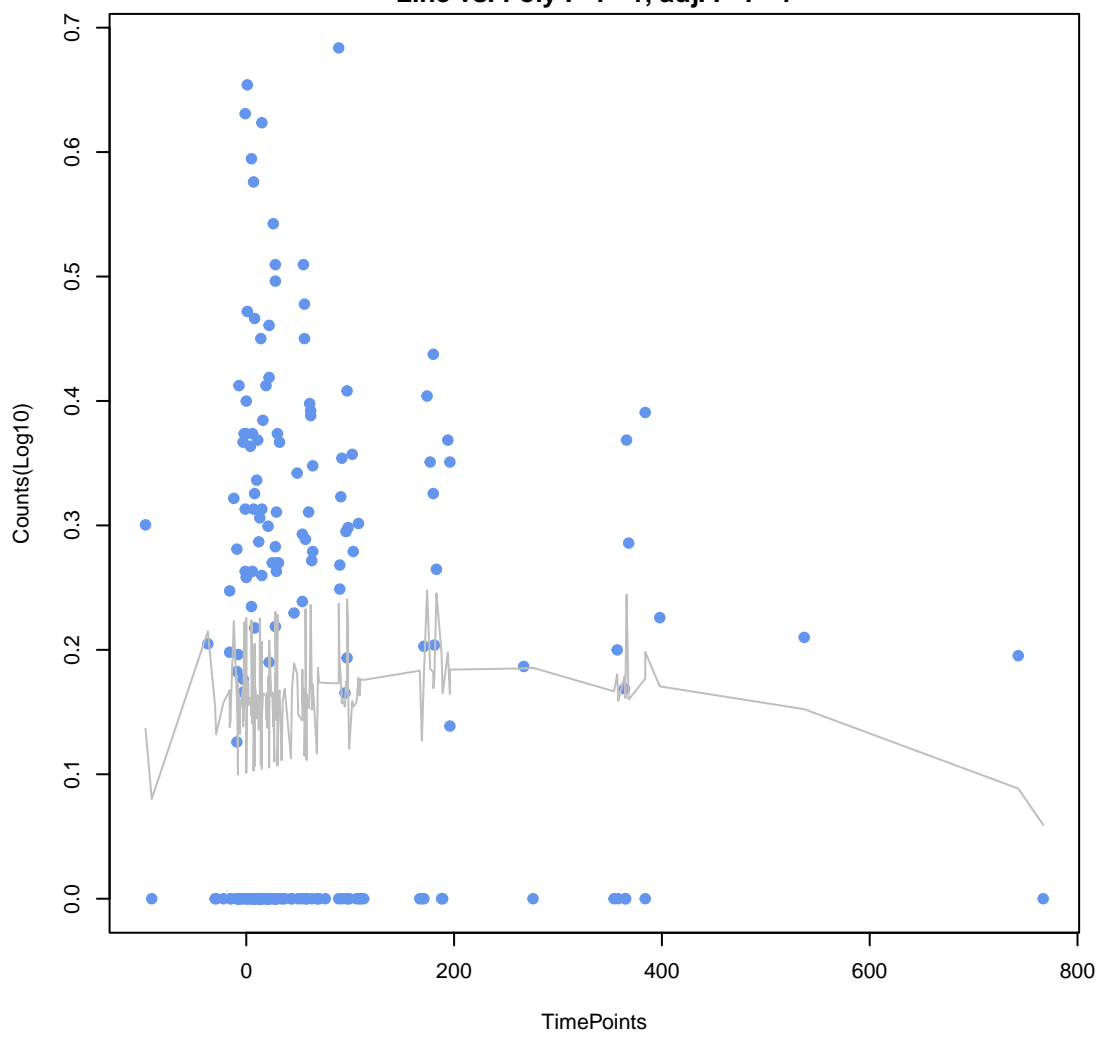
msbA
ANOVA P=0.633, adj. ANOVA-P=0.836
Line vs. Poly F-P=0.613, adj. F-P=1



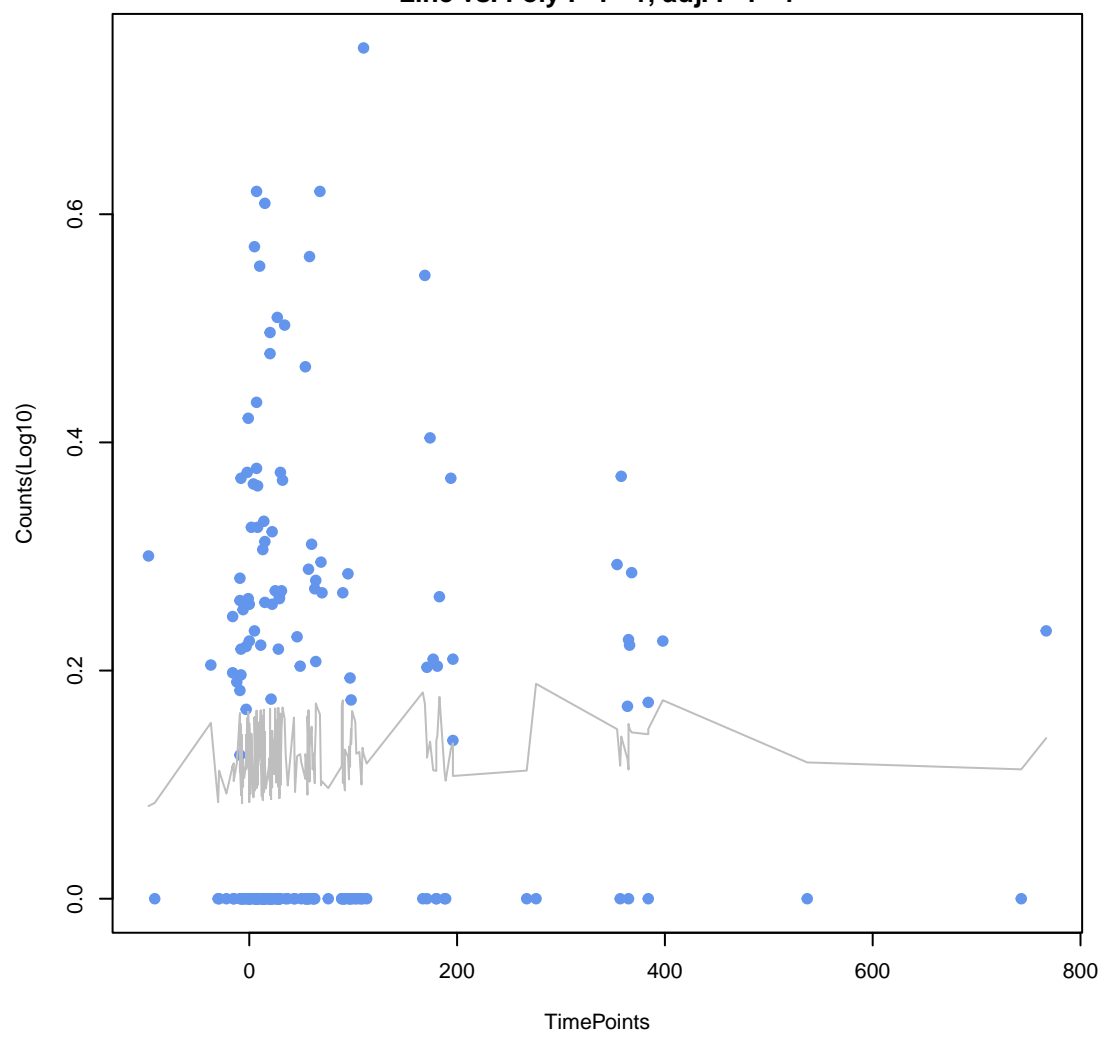
chia coli AcrAB-TolC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline
ANOVA P=0.647, adj. ANOVA-P=0.84
Line vs. Poly F-P=0.548, adj. F-P=1



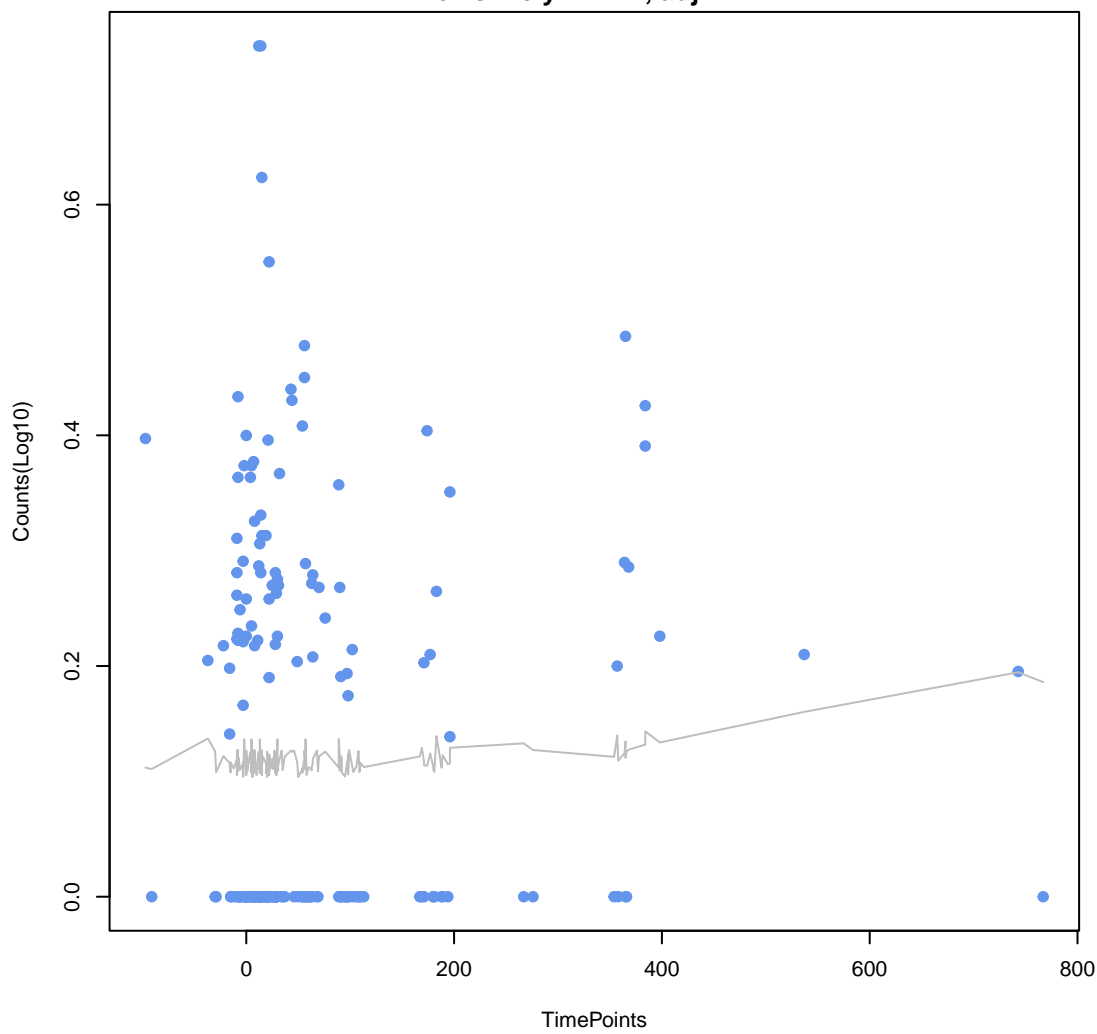
emrA
ANOVA P=0.652, adj. ANOVA-P=0.84
Line vs. Poly F-P=1, adj. F-P=1



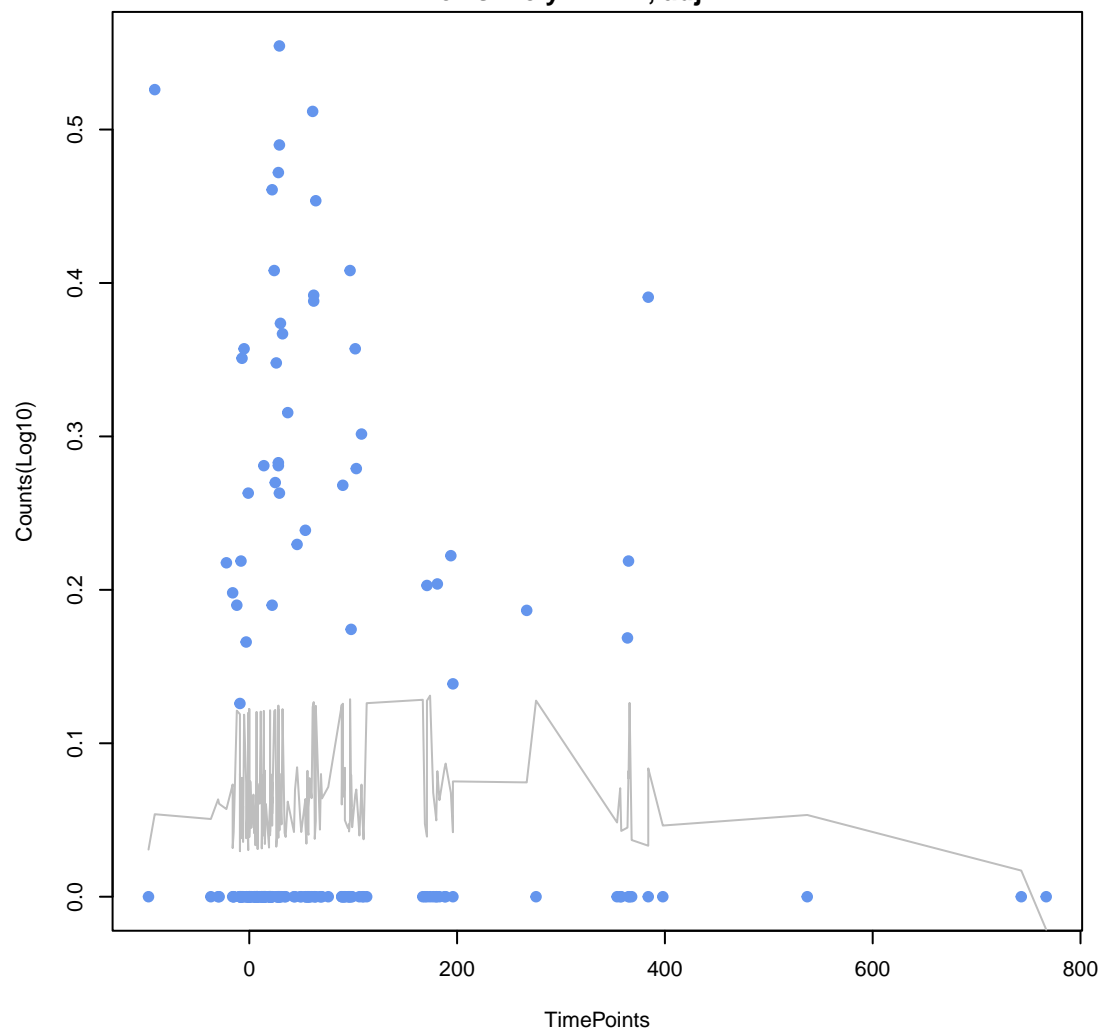
AcrE
ANOVA P=0.782, adj. ANOVA-P=0.986
Line vs. Poly F-P=1, adj. F-P=1



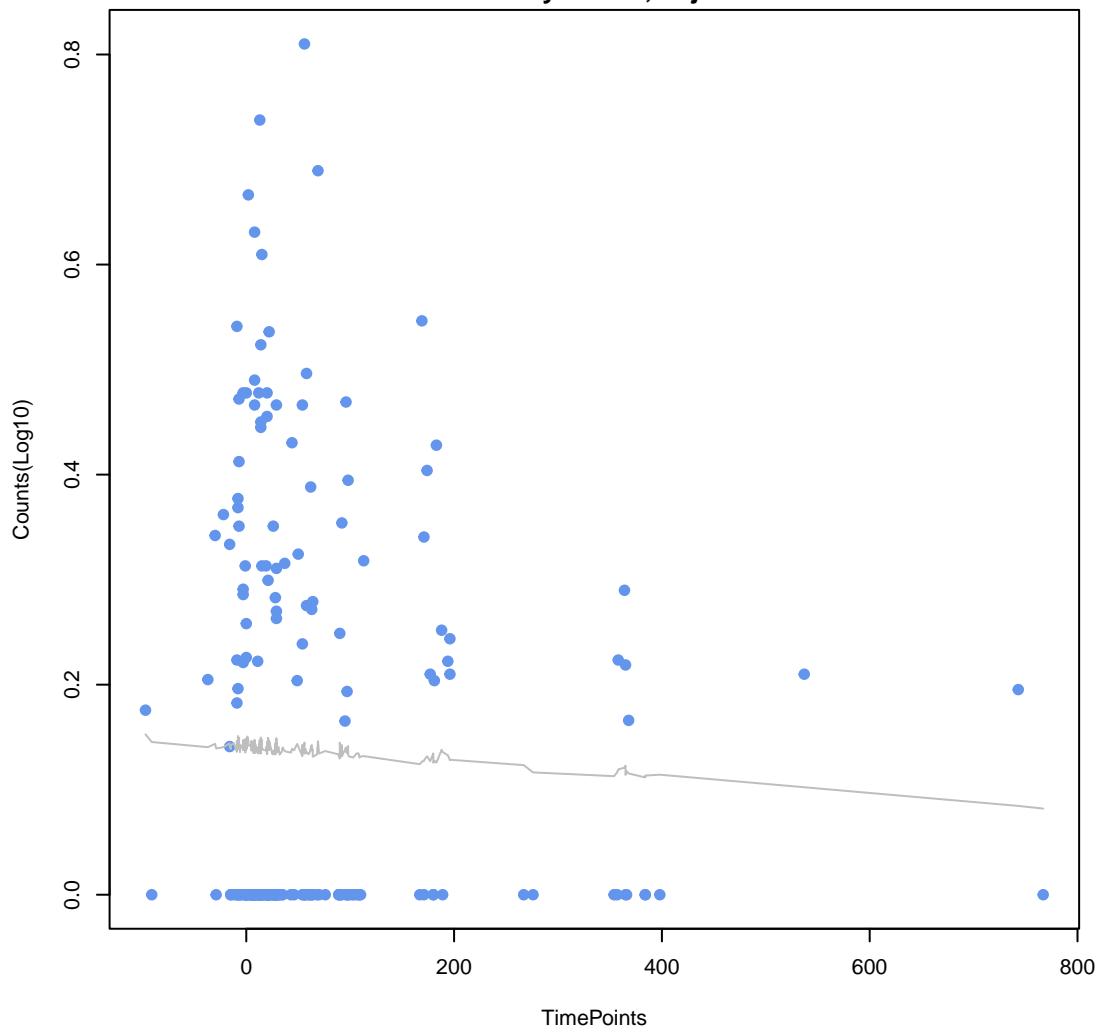
mdtA
ANOVA P=0.785, adj. ANOVA-P=0.986
Line vs. Poly F-P=1, adj. F-P=1



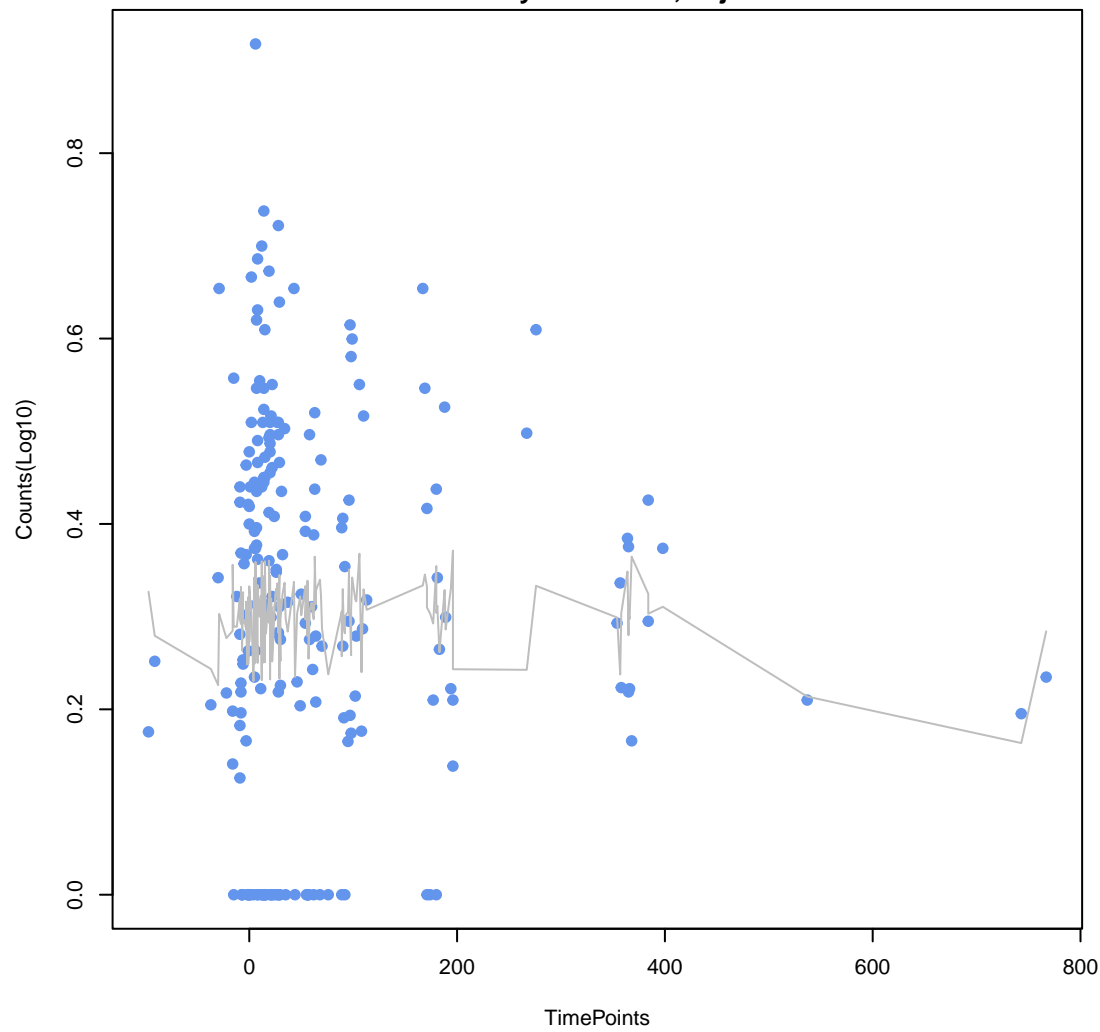
Escherichia coli UhpT with mutation conferring resistance to fosfomycin
ANOVA P=0.792, adj. ANOVA-P=0.986
Line vs. Poly F-P=1, adj. F-P=1



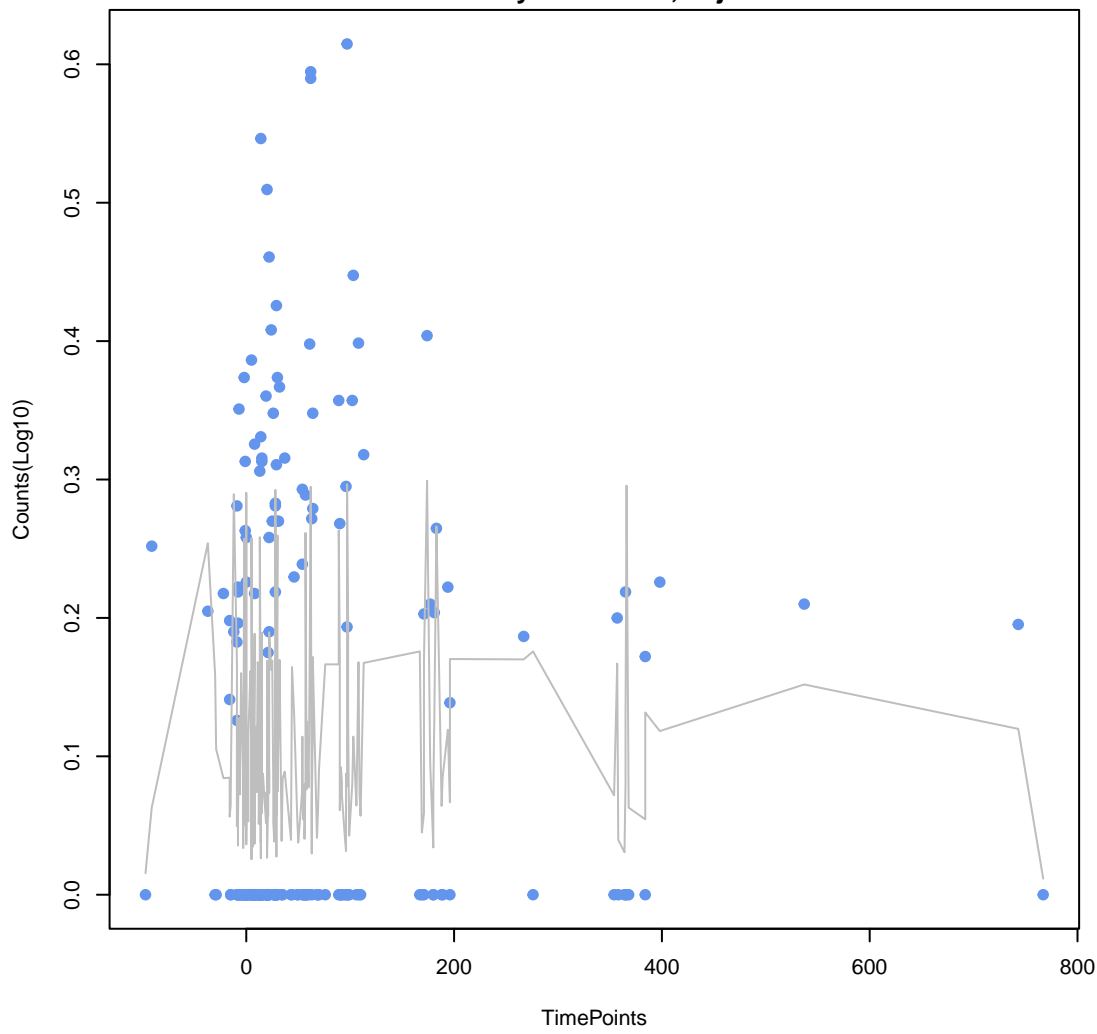
Bifidobacterium bifidum ileS conferring resistance to mupirocin
ANOVA P=0.813, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



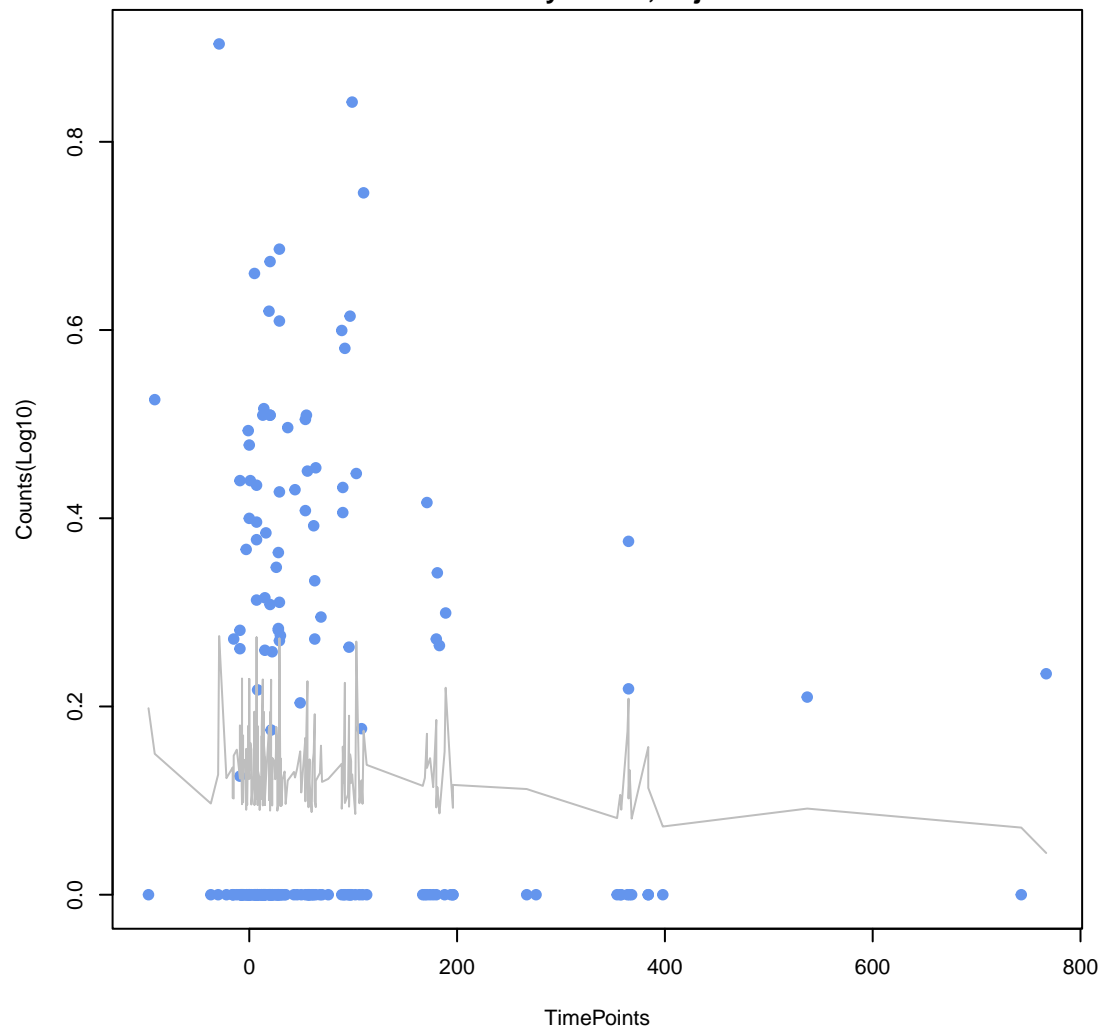
aad(6)
ANOVA P=0.827, adj. ANOVA-P=0.99
Line vs. Poly F-P=0.581, adj. F-P=1



rsmA
ANOVA P=0.848, adj. ANOVA-P=0.99
Line vs. Poly F-P=0.756, adj. F-P=1

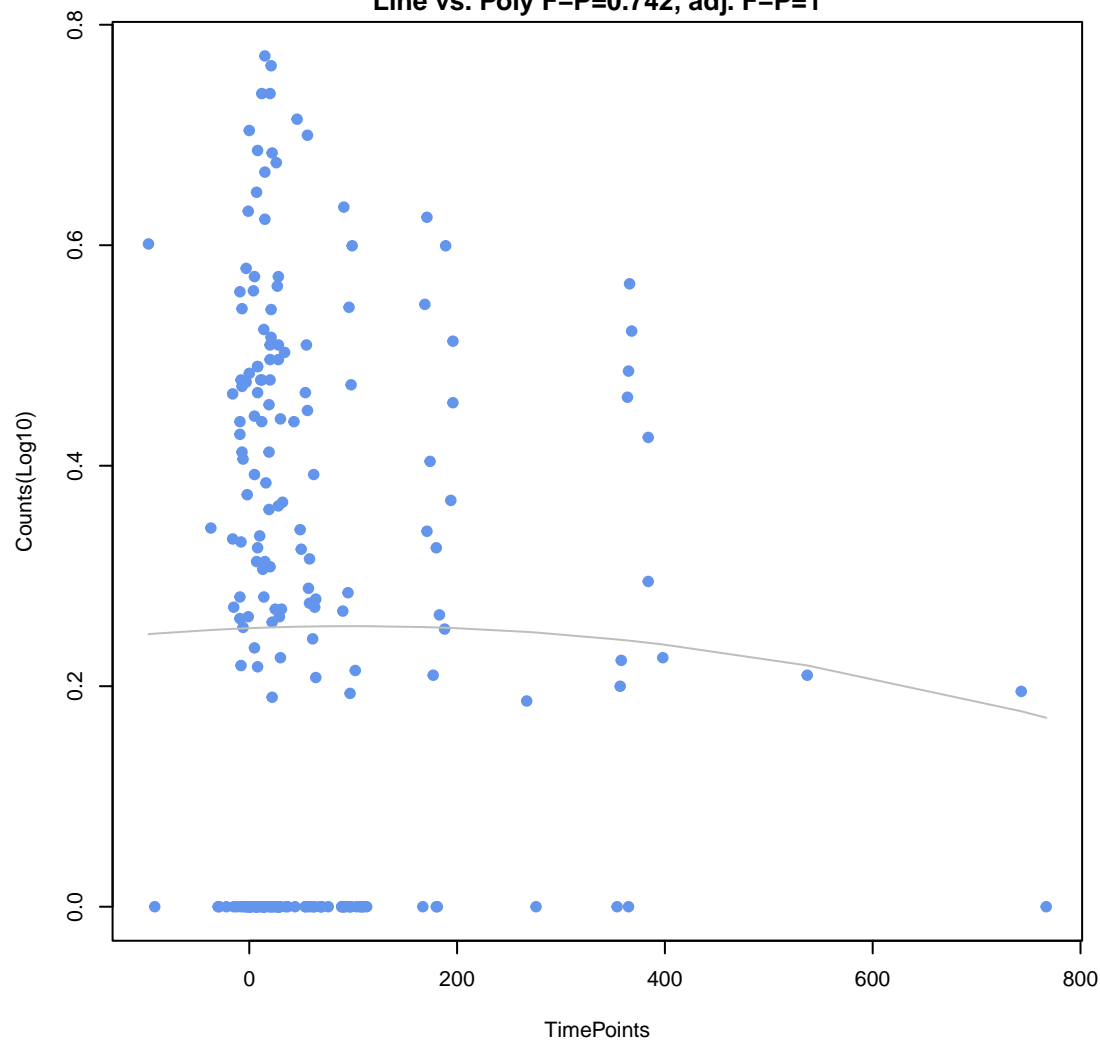


tetB(60)
ANOVA P=0.872, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



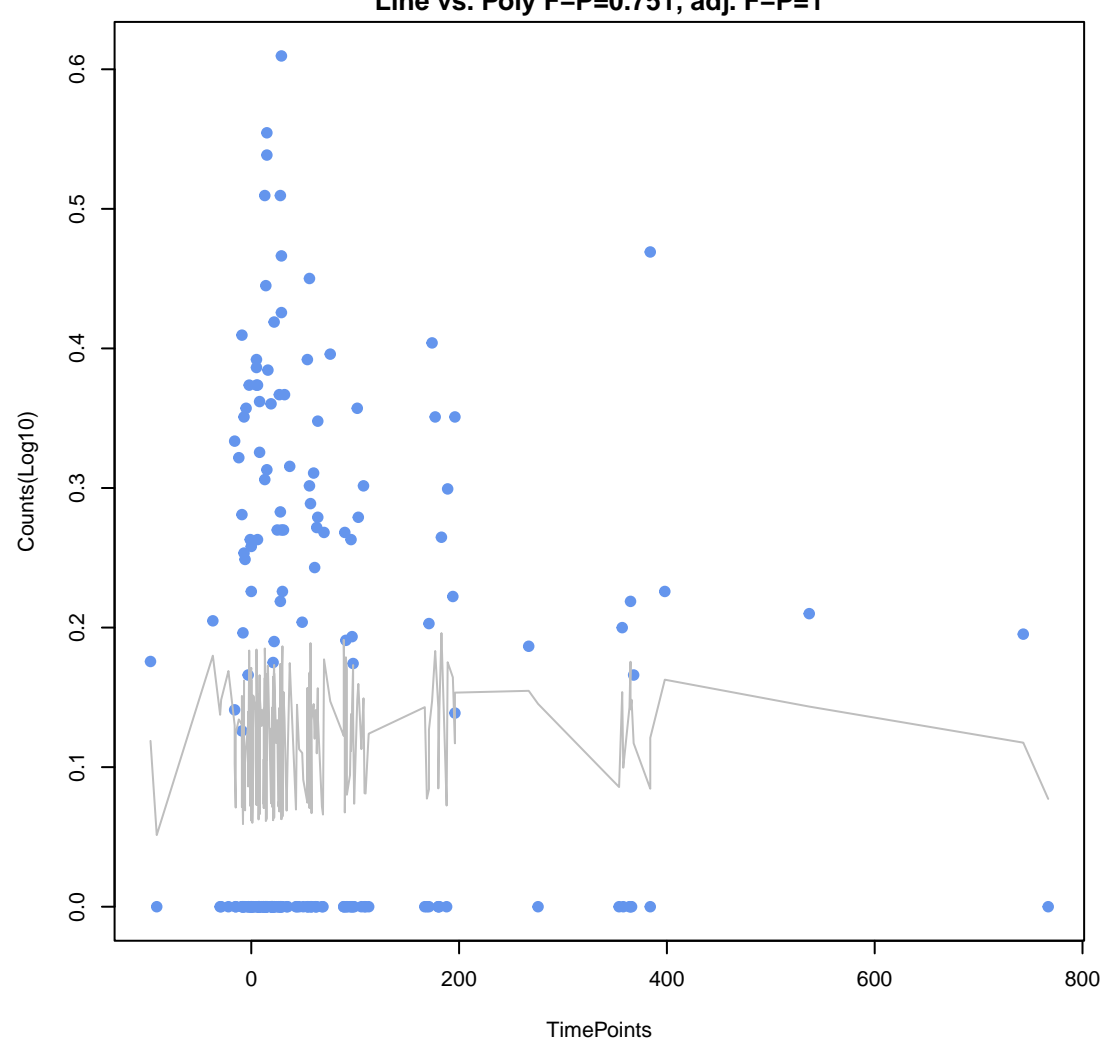
evgS

ANOVA P=0.878, adj. ANOVA-P=0.99
Line vs. Poly F-P=0.742, adj. F-P=1



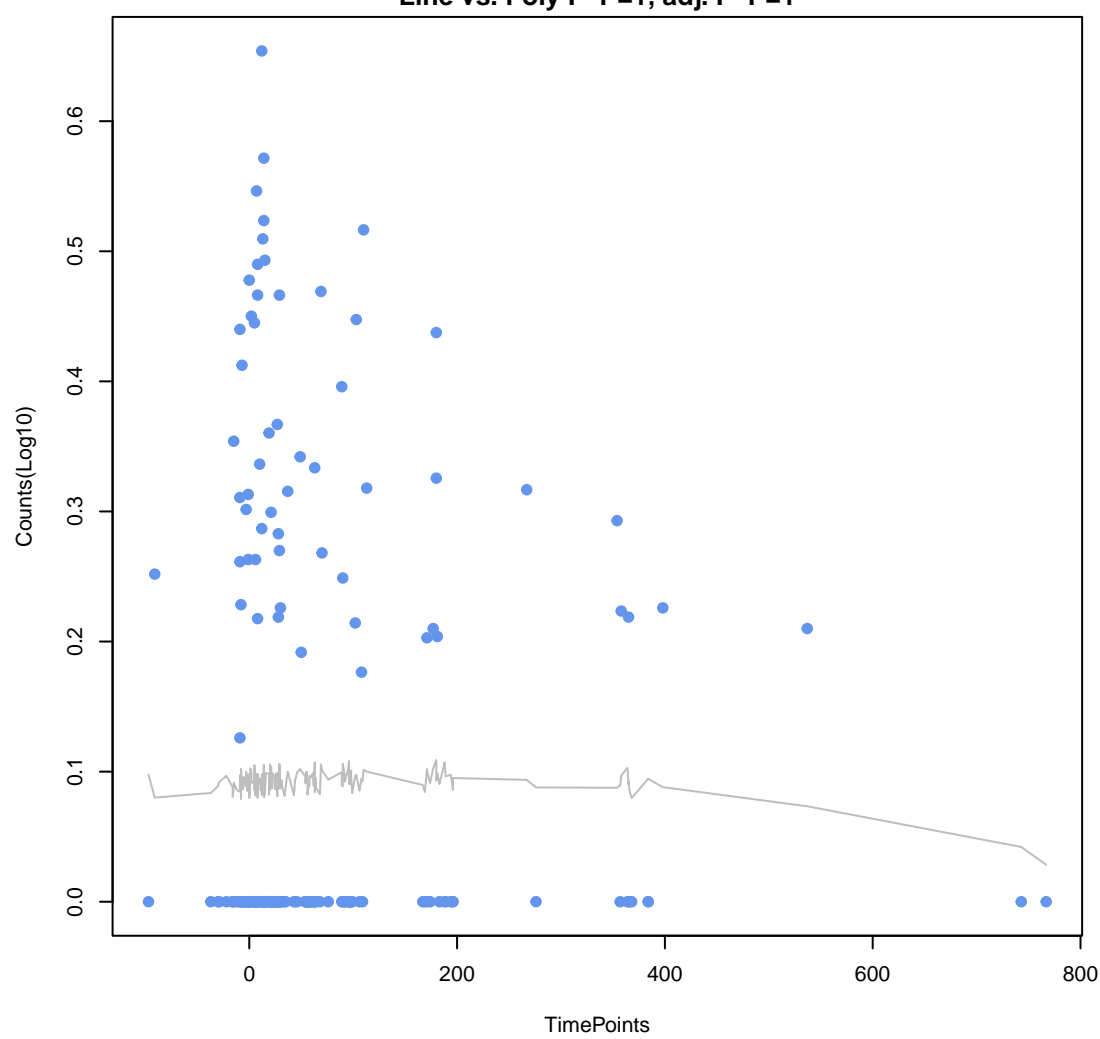
kdpE

ANOVA P=0.885, adj. ANOVA-P=0.99
Line vs. Poly F-P=0.751, adj. F-P=1



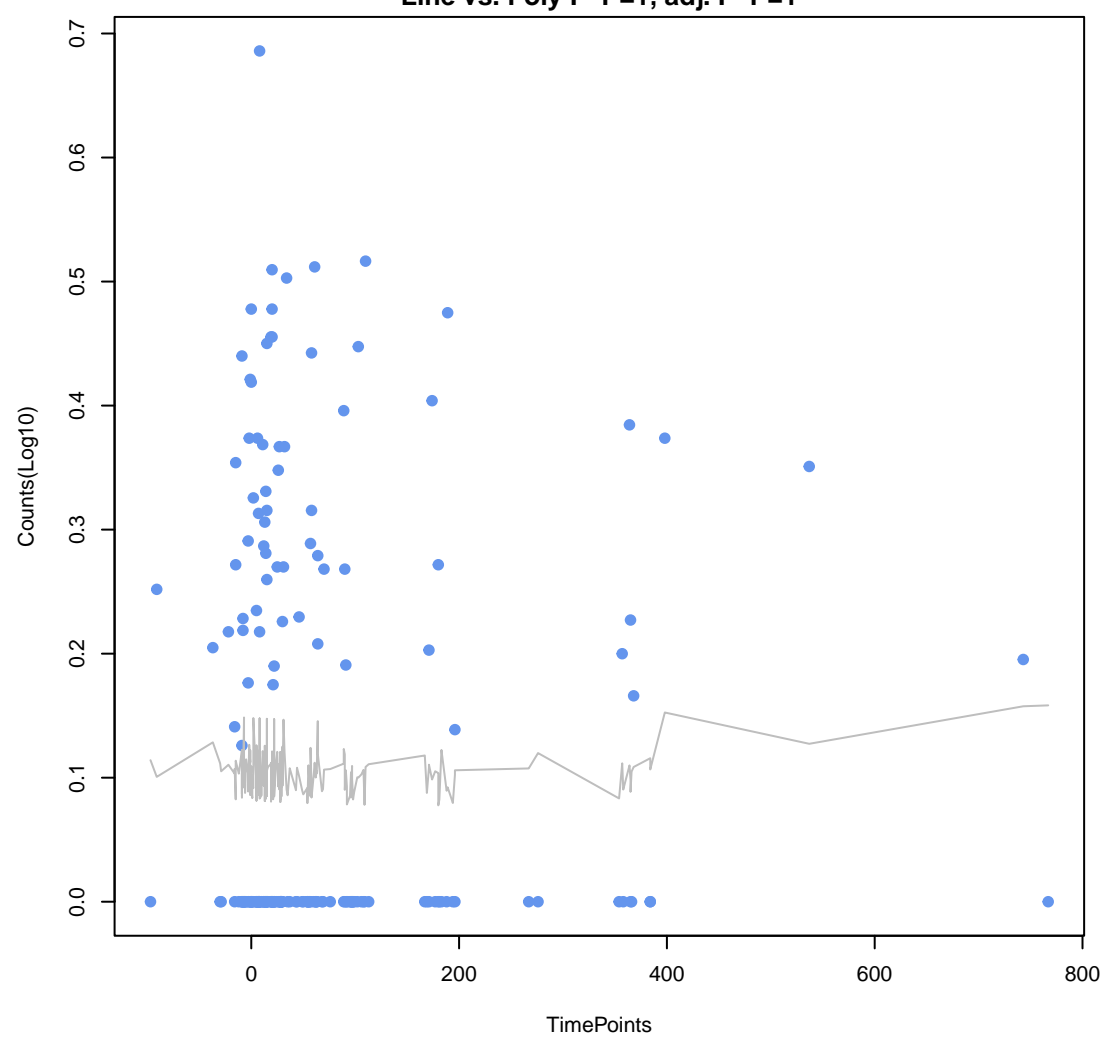
oleB

ANOVA P=0.887, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



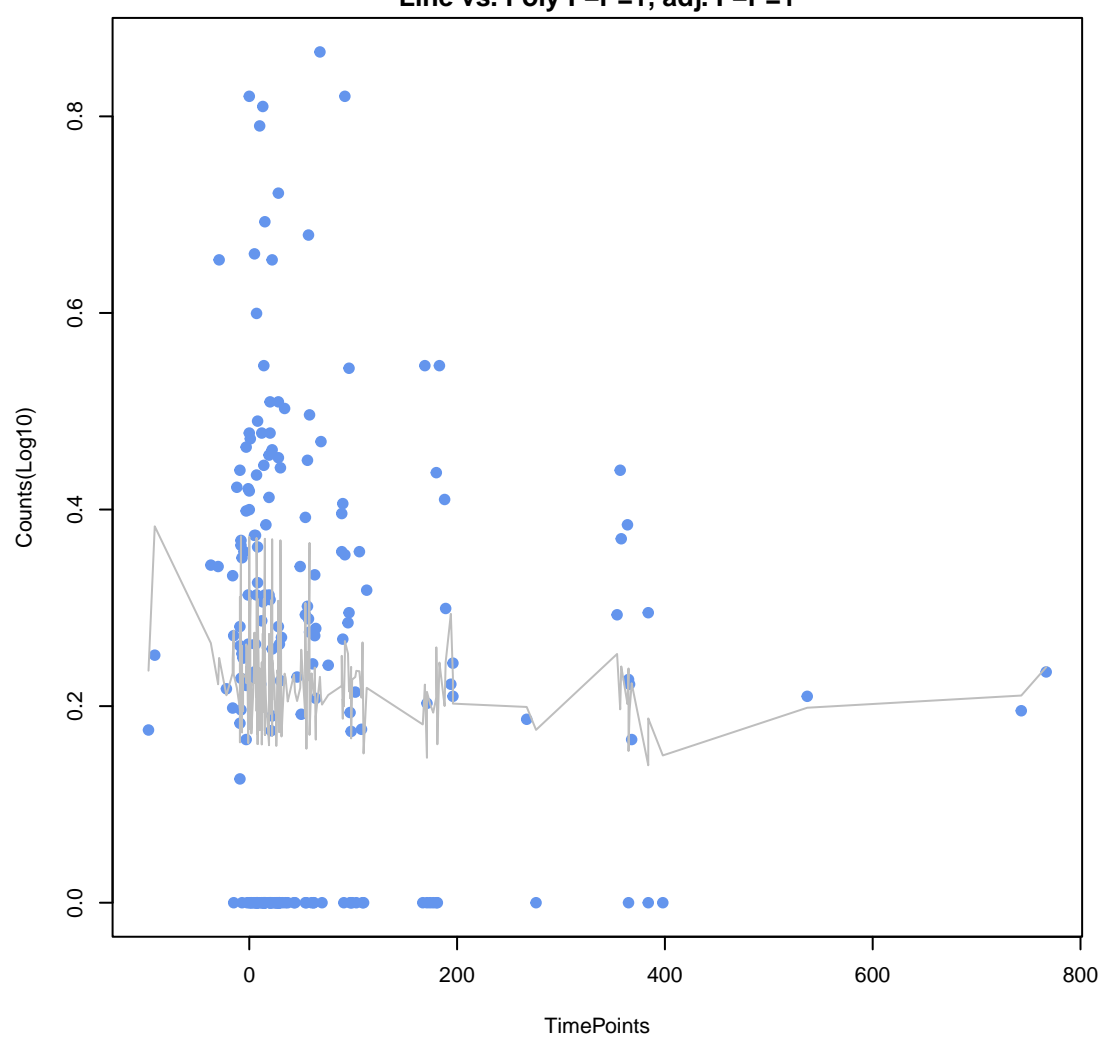
APH(3'')-lb

ANOVA P=0.891, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



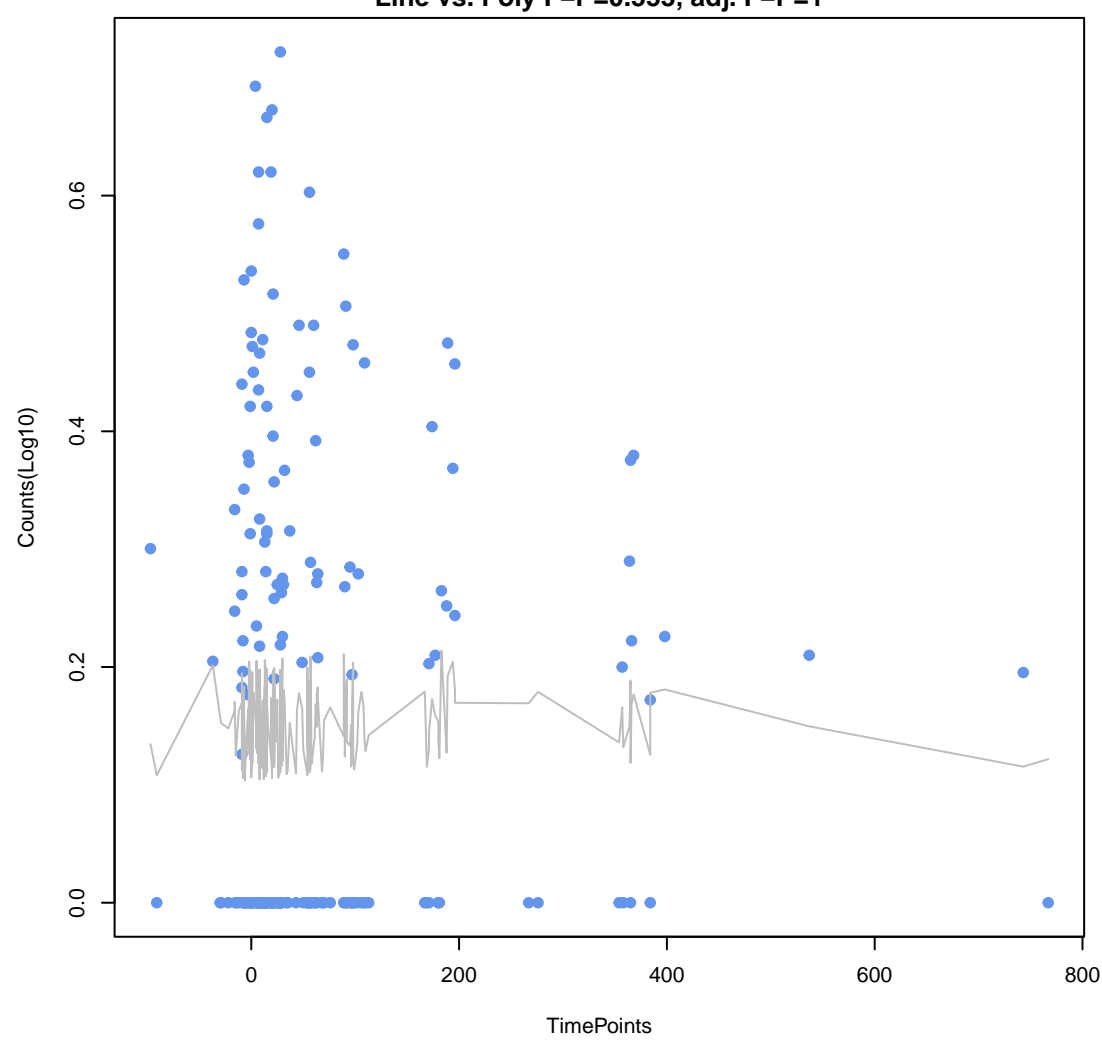
InuC

ANOVA P=0.901, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1

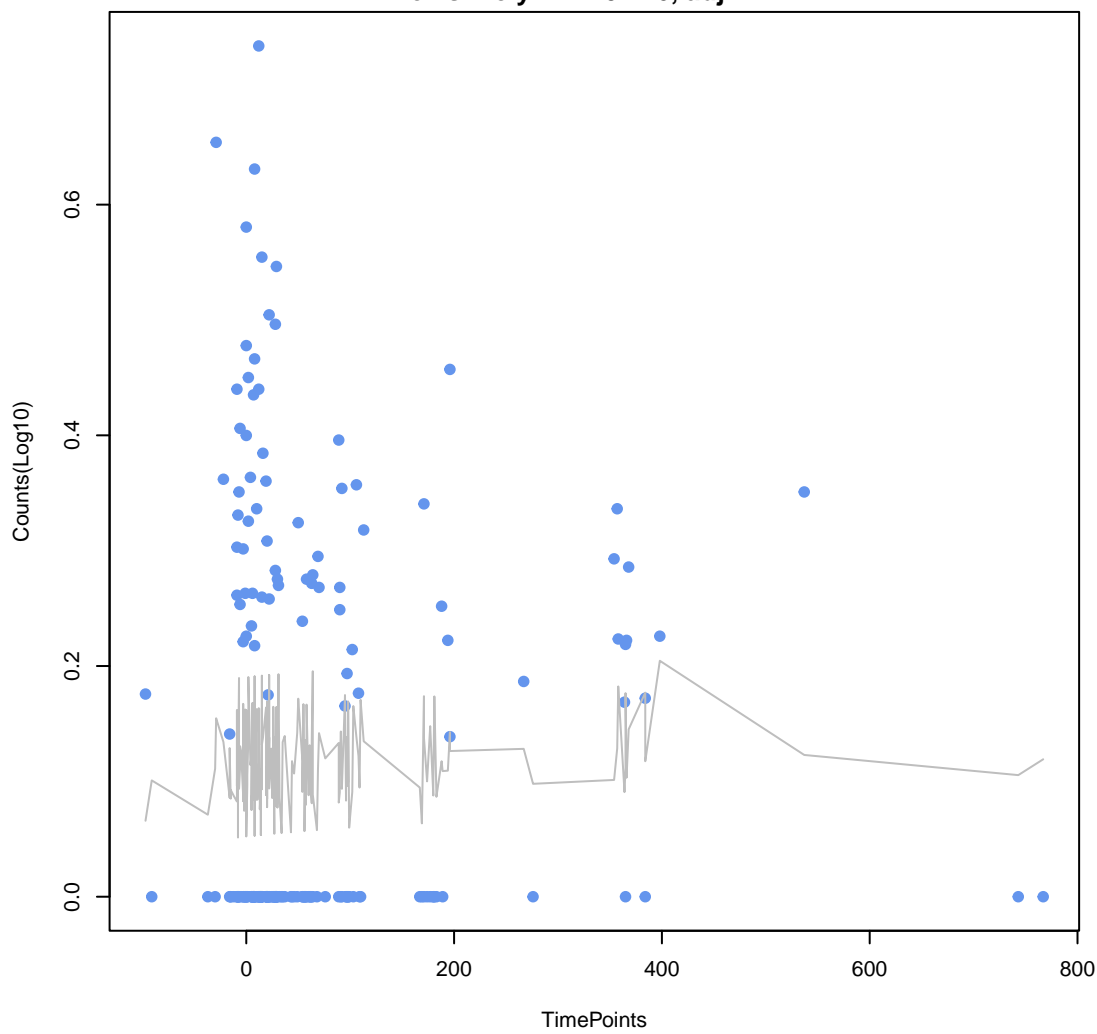


mdtP

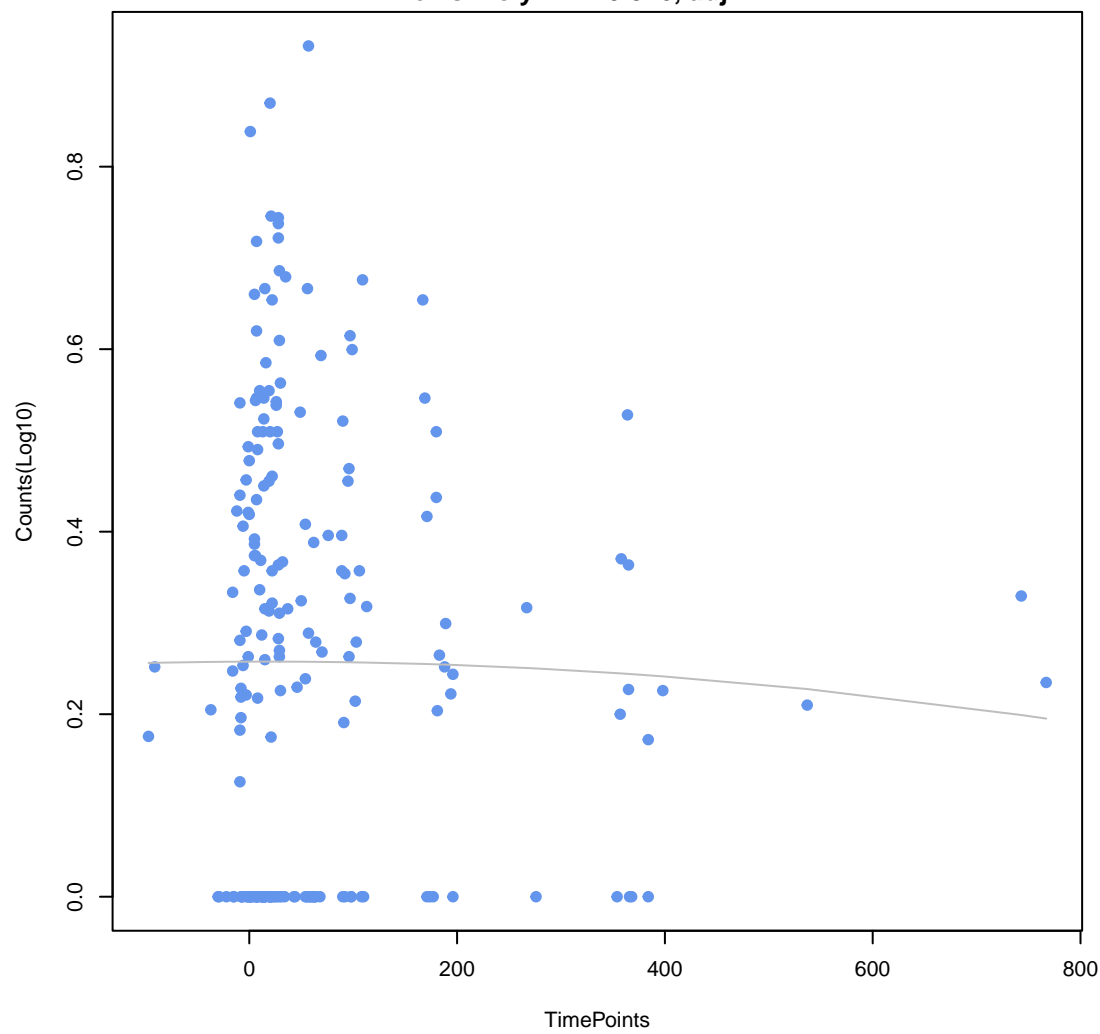
ANOVA P=0.909, adj. ANOVA-P=0.99
Line vs. Poly F-P=0.553, adj. F-P=1



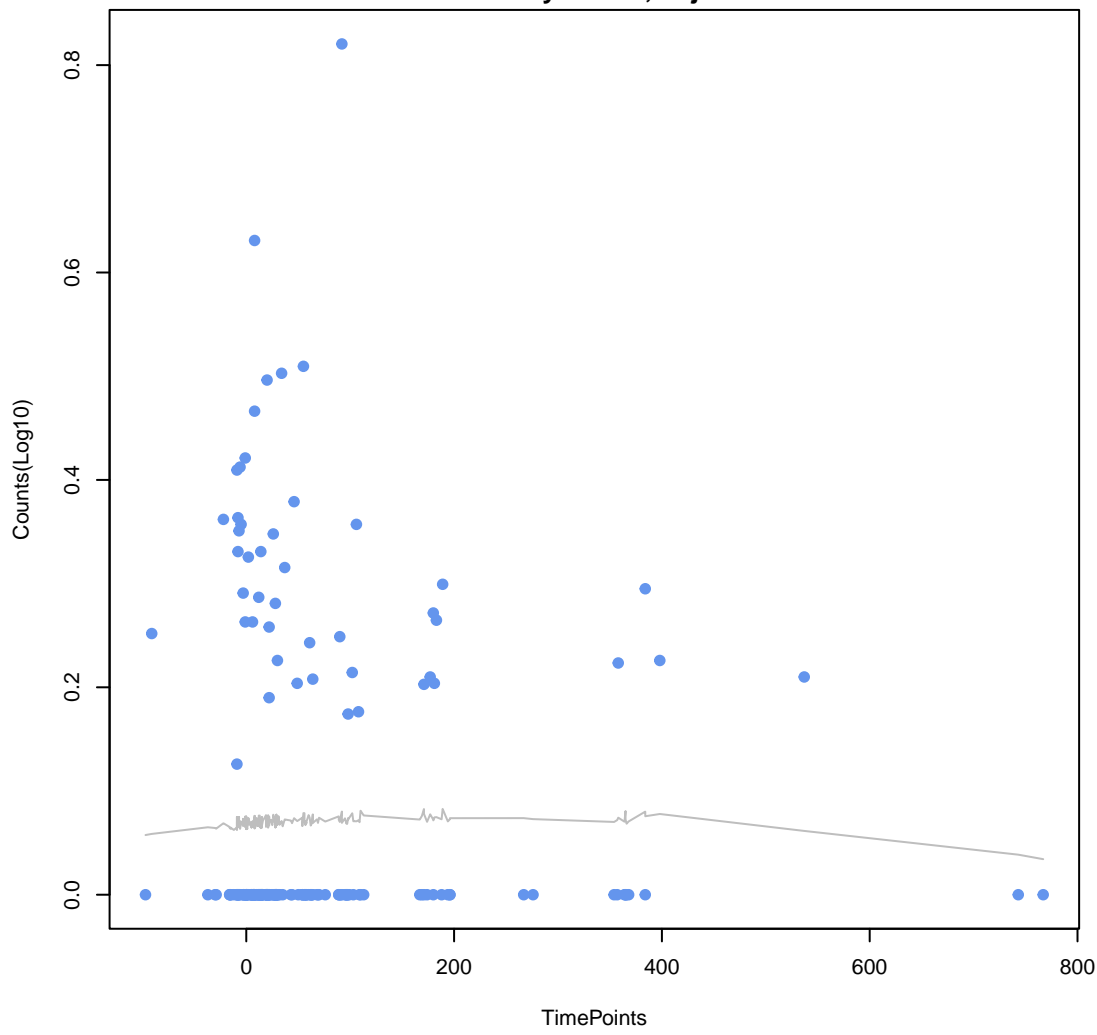
vanS gene in vanD cluster
ANOVA P=0.915, adj. ANOVA-P=0.99
Line vs. Poly F-P=0.726, adj. F-P=1



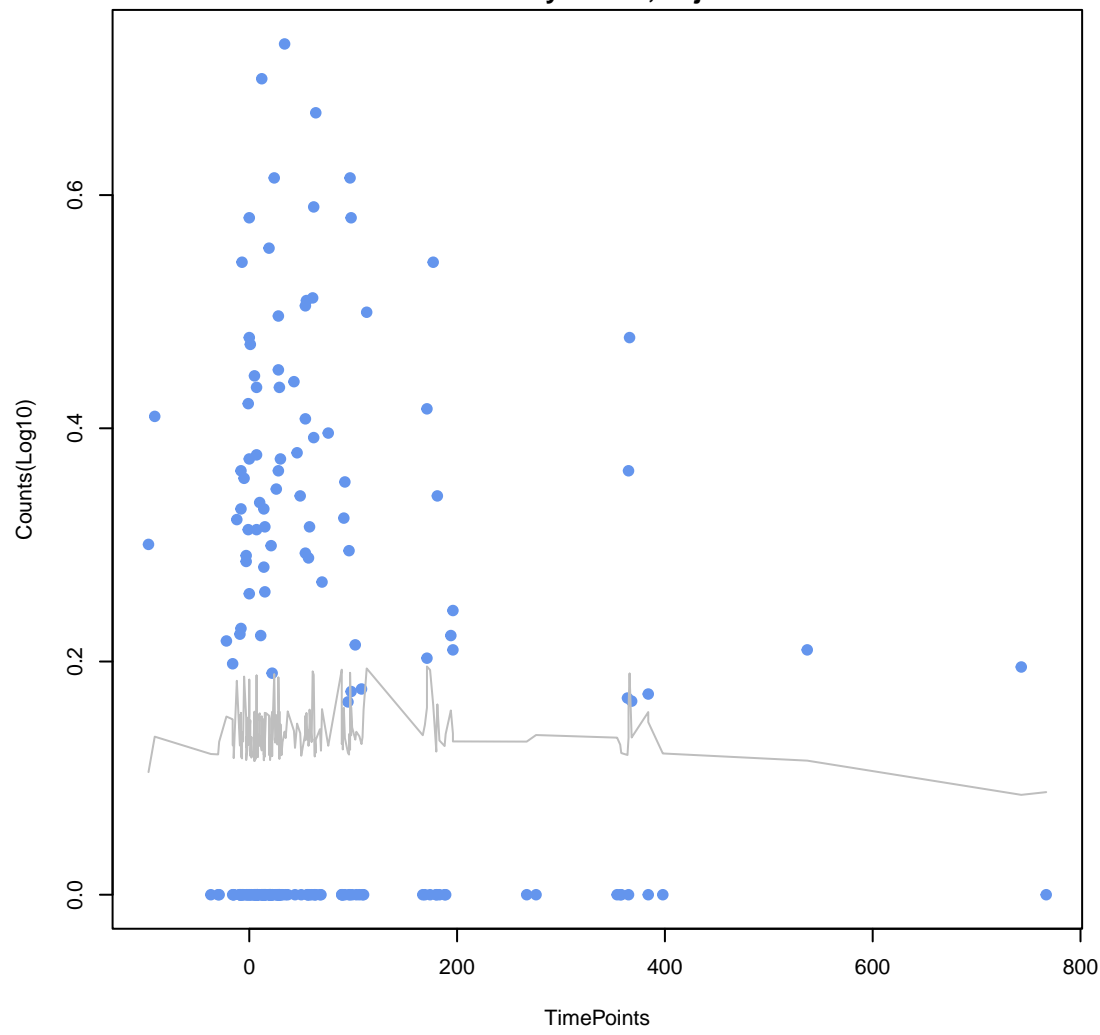
fexA
ANOVA P=0.919, adj. ANOVA-P=0.99
Line vs. Poly F-P=0.846, adj. F-P=1



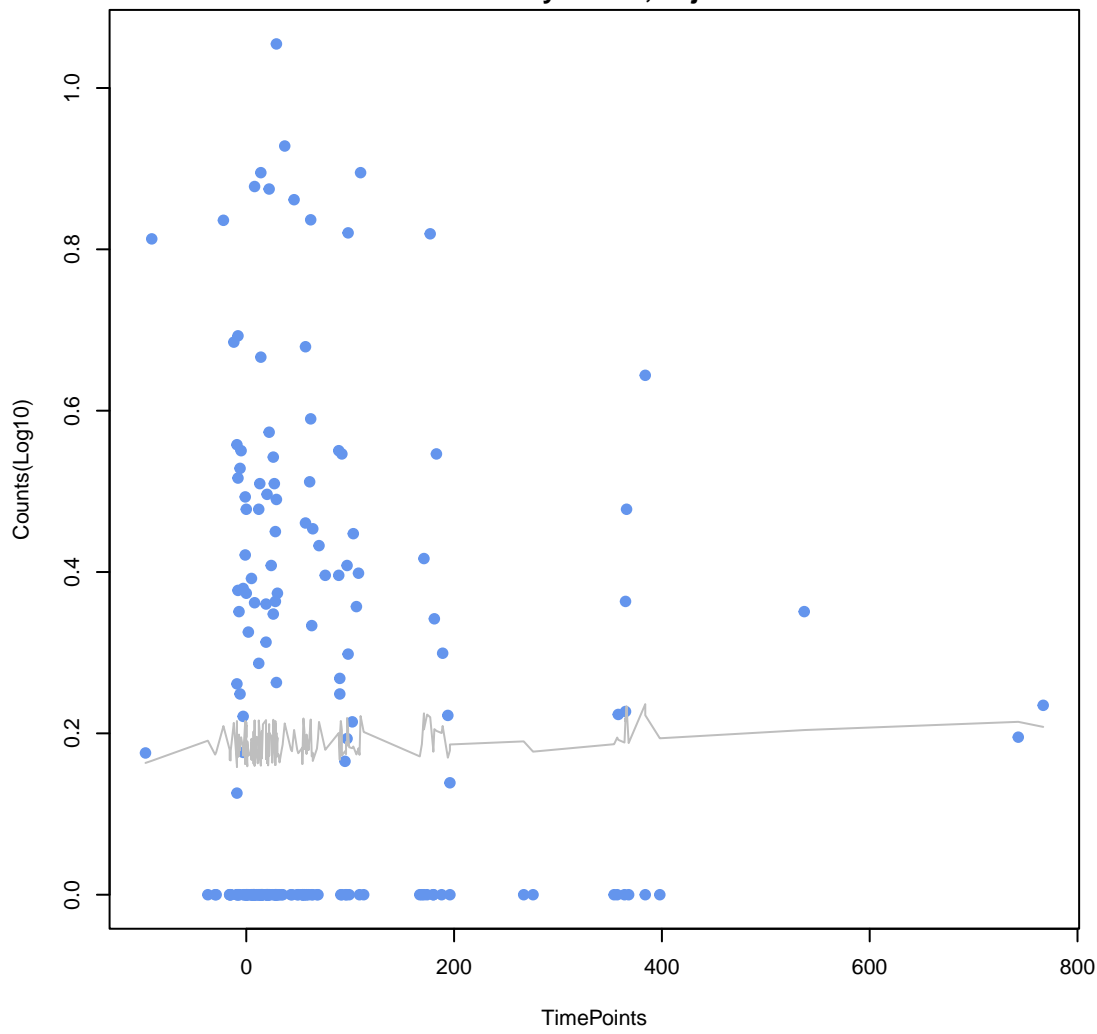
Klebsiella pneumoniae acrA
ANOVA P=0.922, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



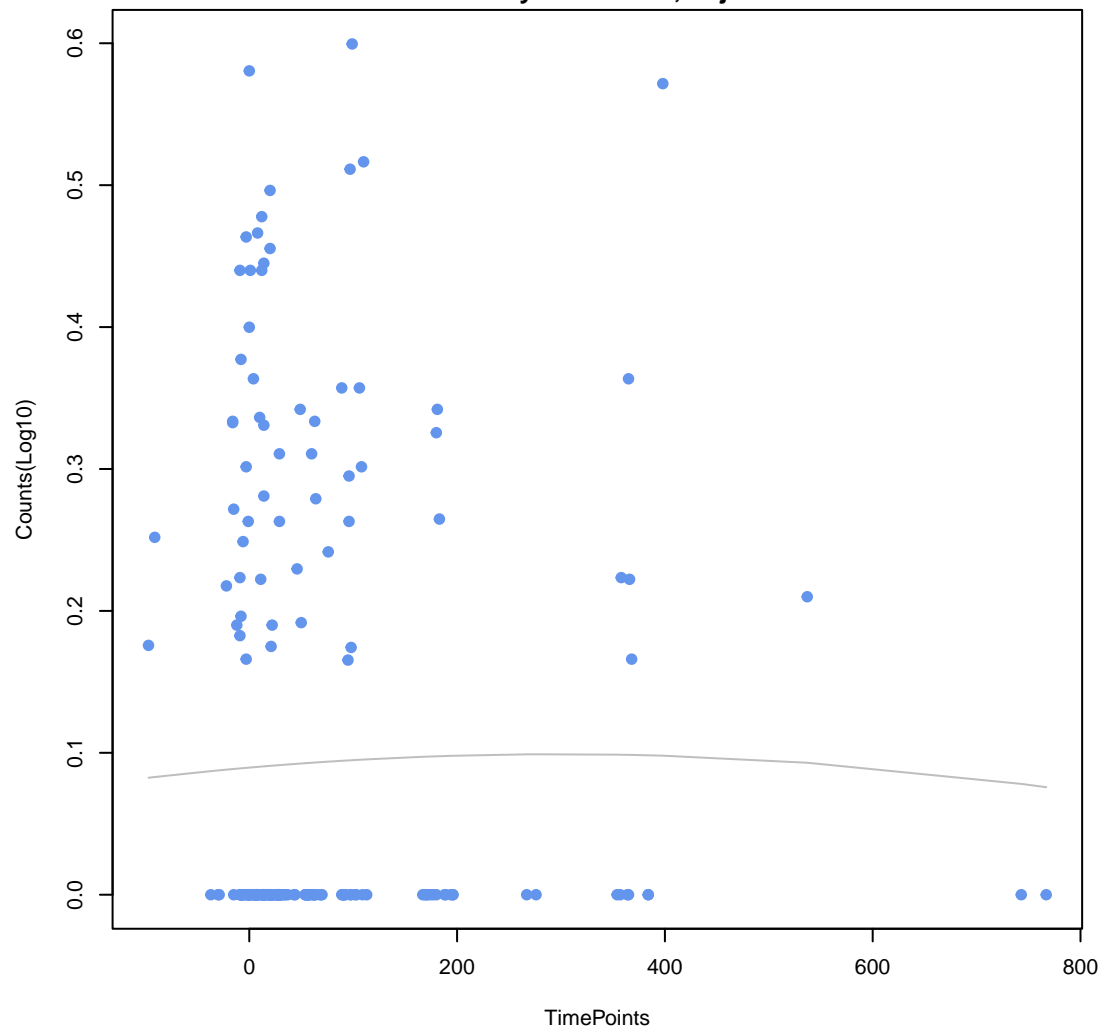
Klebsiella pneumoniae KpnH
ANOVA P=0.931, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



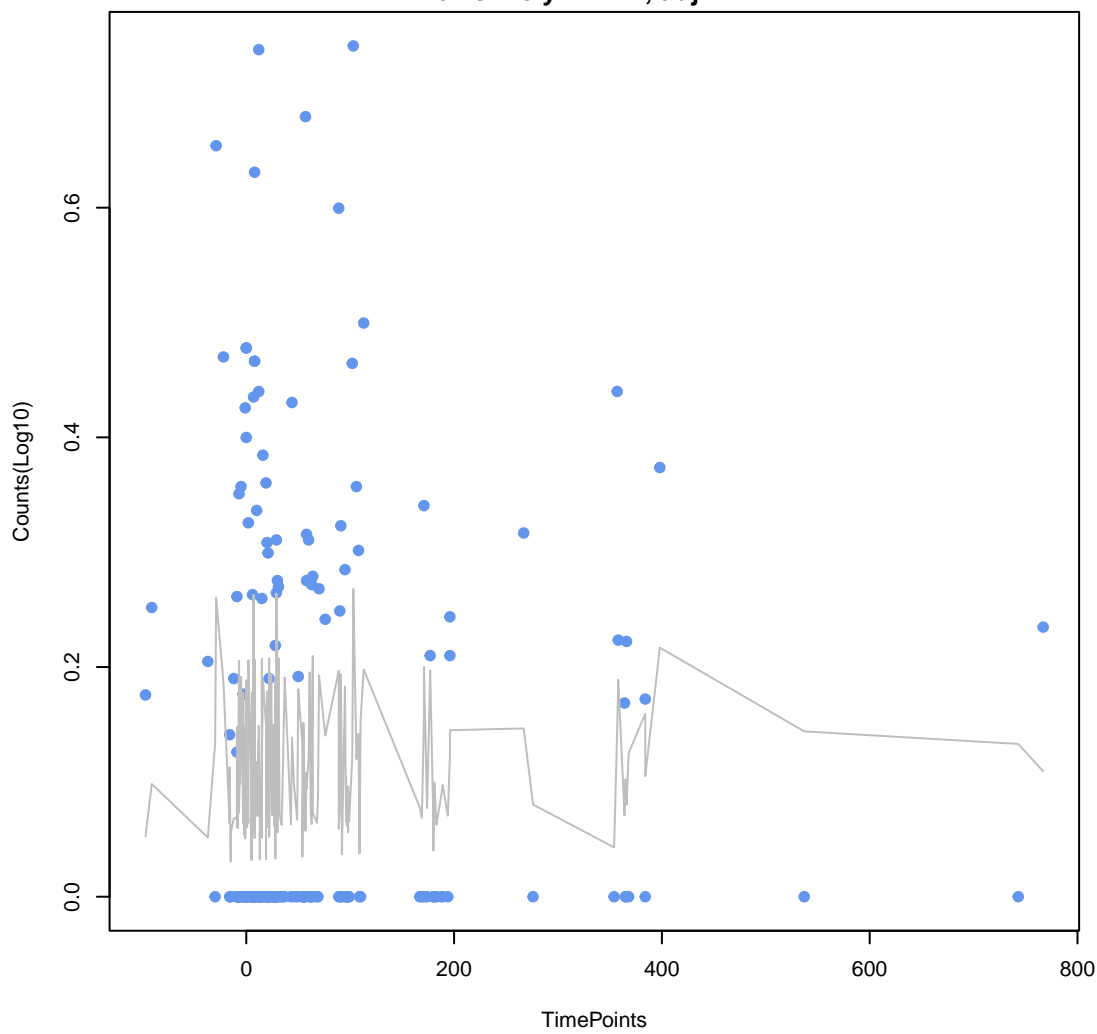
oqxB
ANOVA P=0.941, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



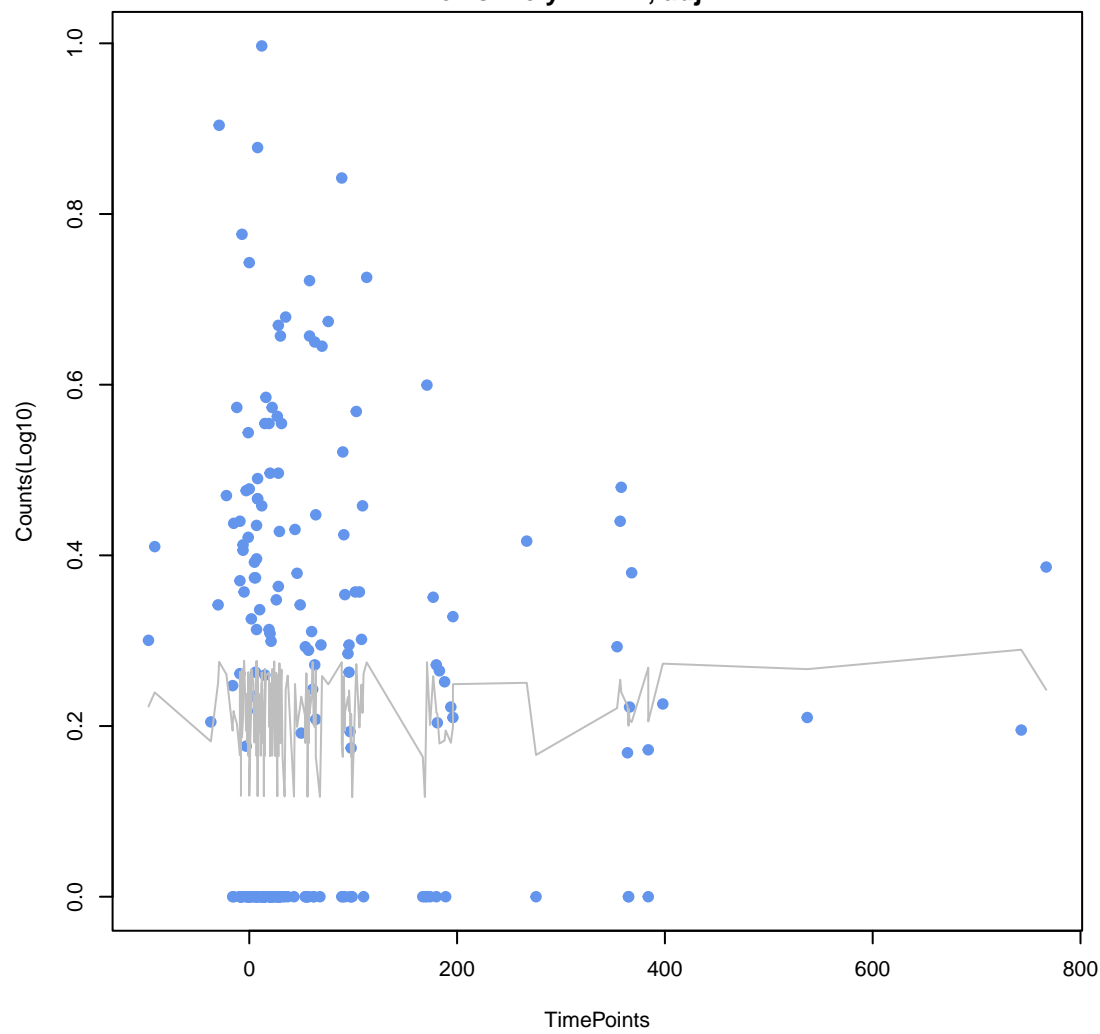
TaeA
ANOVA P=0.953, adj. ANOVA-P=0.99
Line vs. Poly F-P=0.777, adj. F-P=1



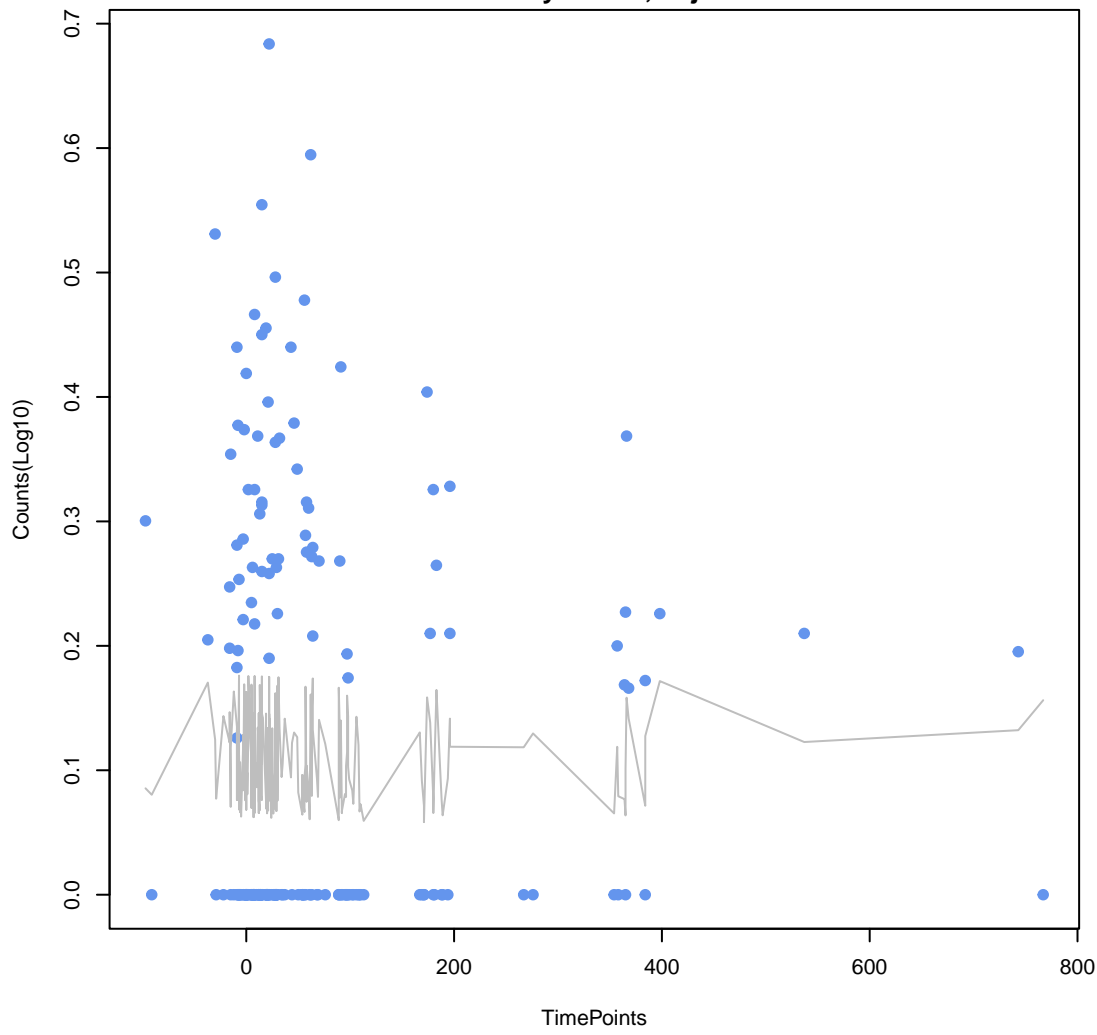
vanX gene in vanD cluster
ANOVA P=0.954, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



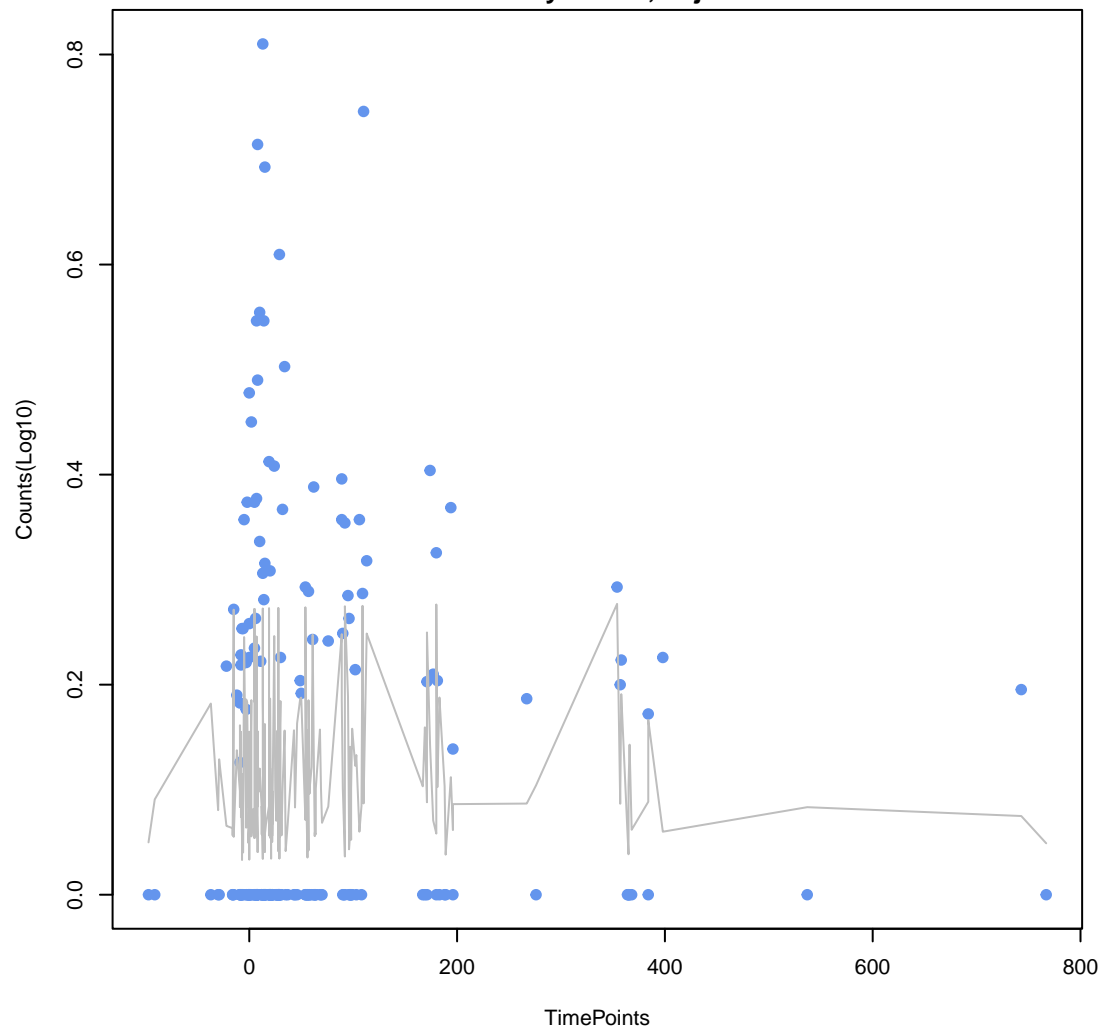
vanR gene in vanD cluster
ANOVA P=0.966, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



emrK
ANOVA P=0.984, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



CfxA3
ANOVA P=0.986, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1



MuxC
ANOVA P=0.99, adj. ANOVA-P=0.99
Line vs. Poly F-P=1, adj. F-P=1

