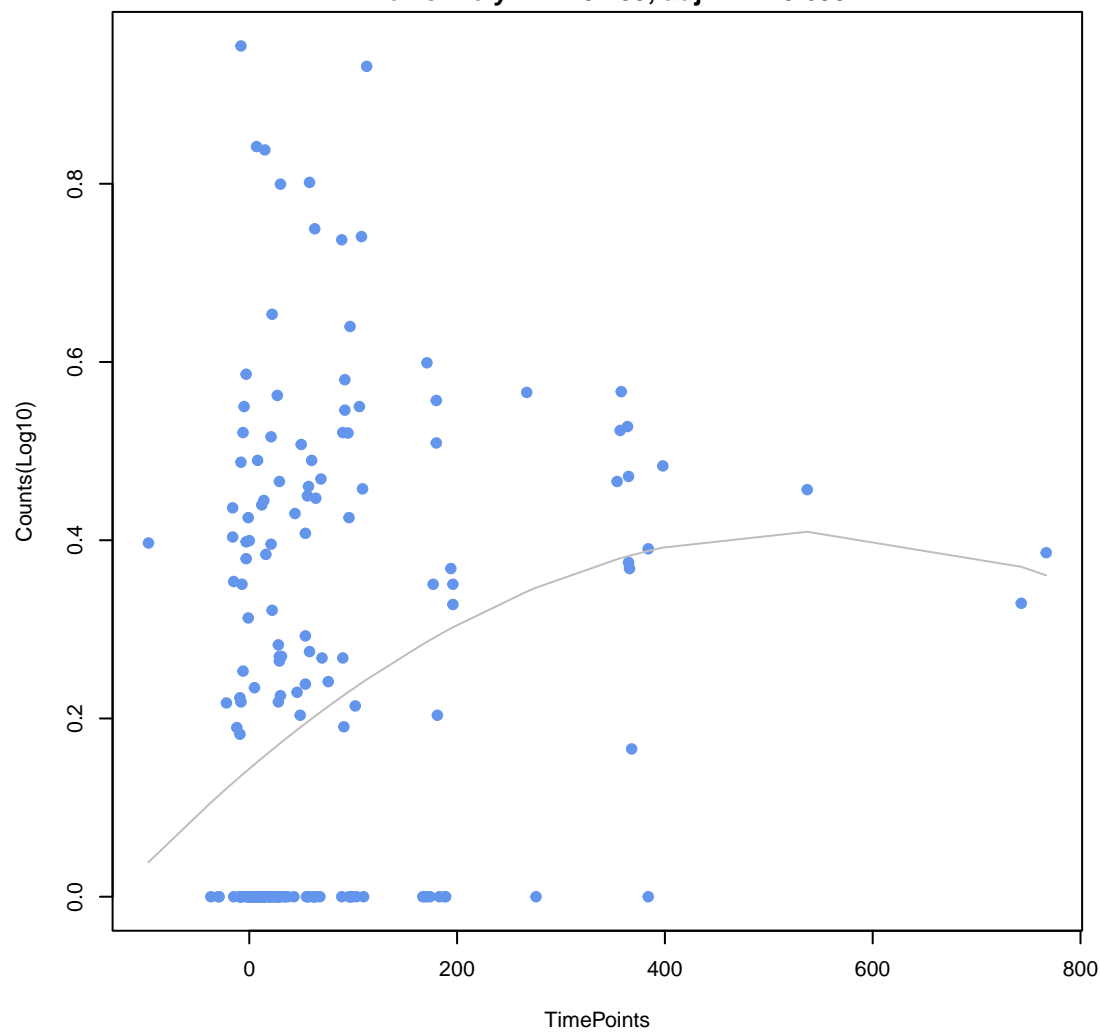


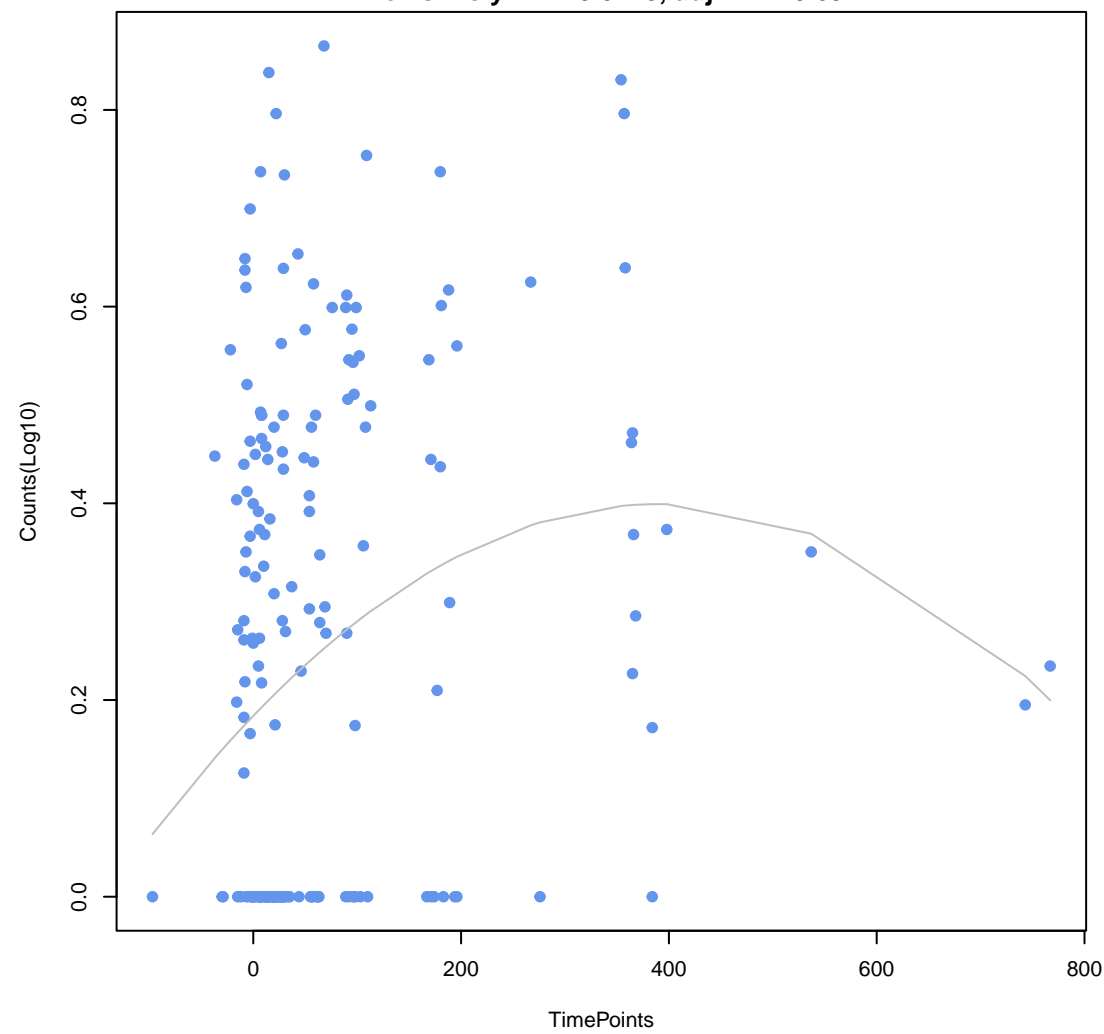
nimA

ANOVA P=0.000199, adj. ANOVA-P=0.0213
Line vs. Poly F-P=0.105, adj. F-P=0.699



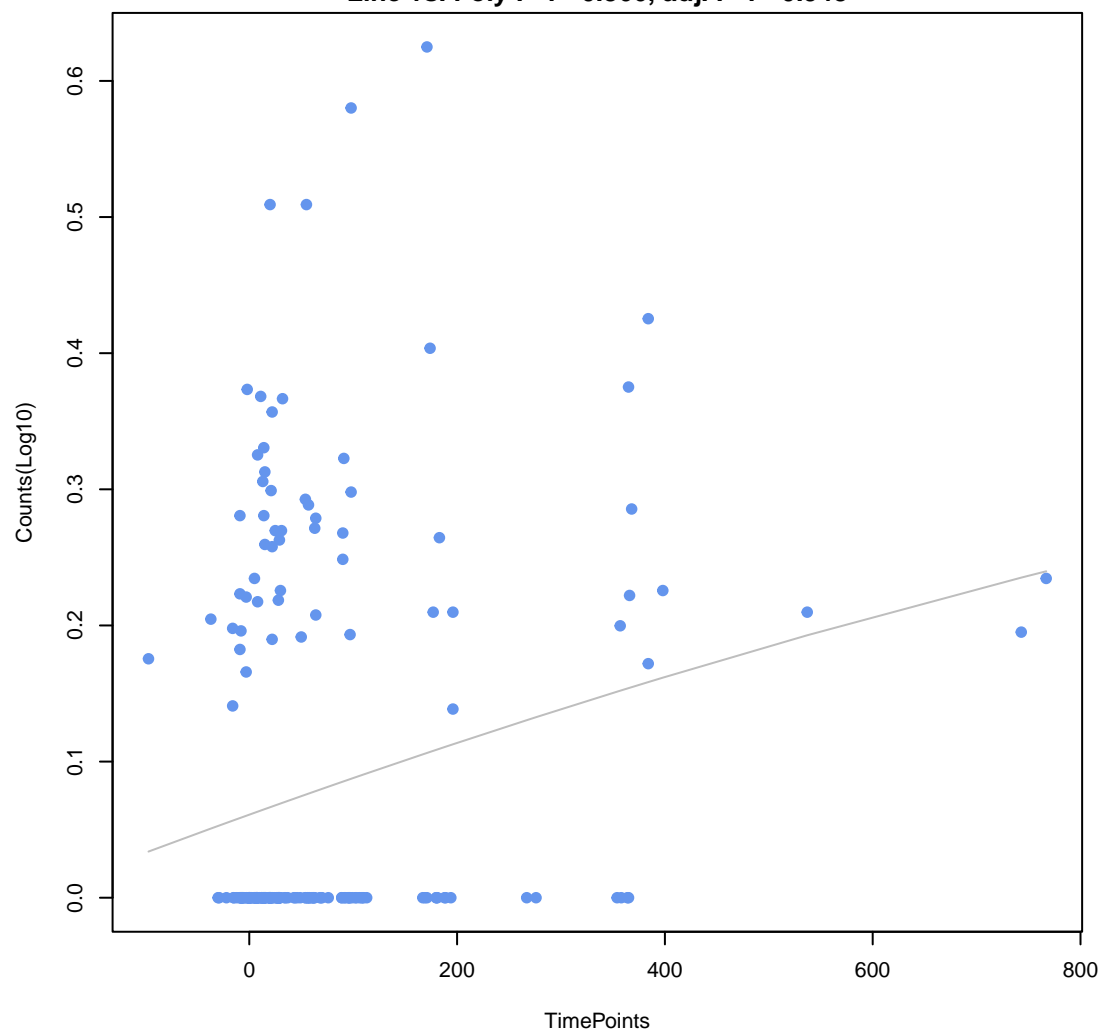
nimJ

ANOVA P=0.00128, adj. ANOVA-P=0.0685
Line vs. Poly F-P=0.0175, adj. F-P=0.697



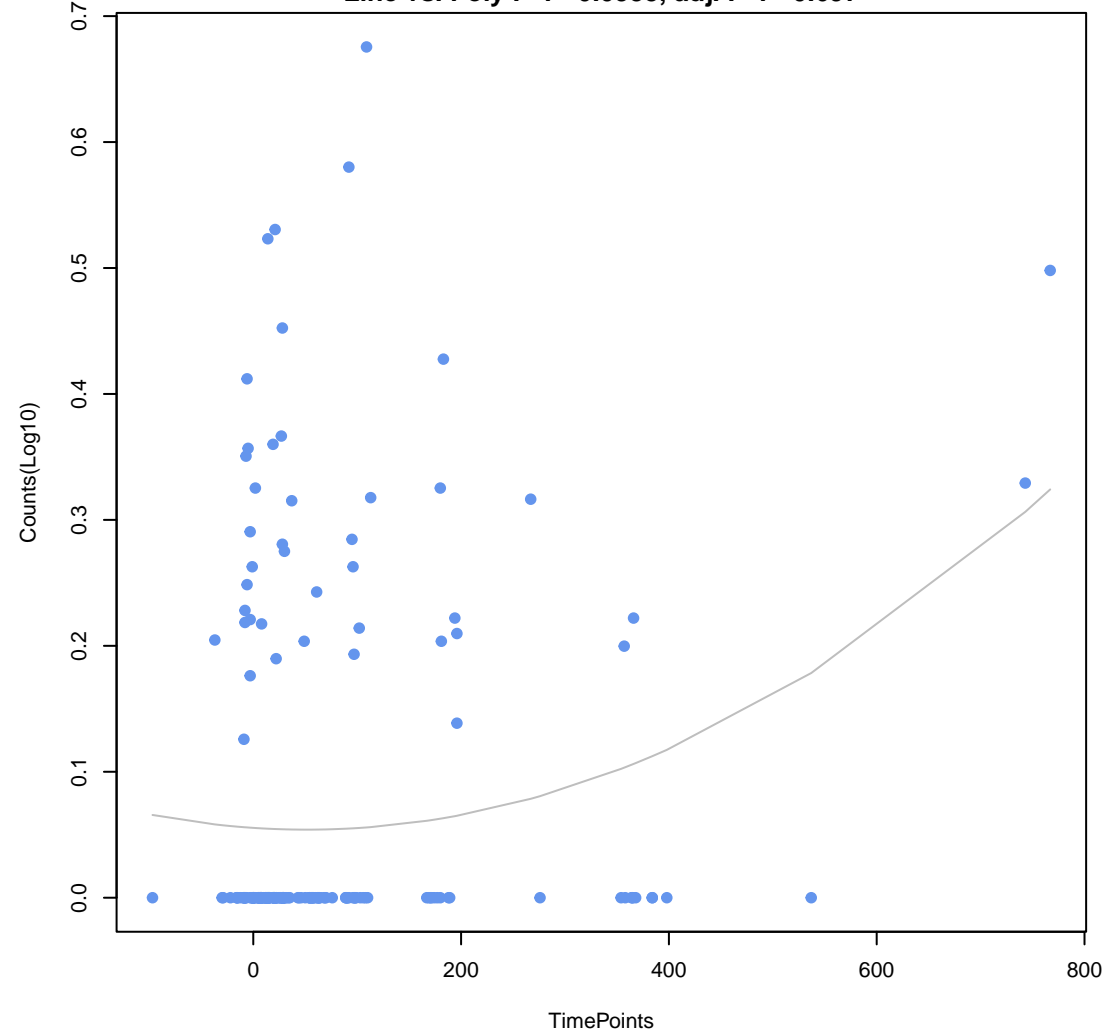
evgA

ANOVA P=0.00651, adj. ANOVA-P=0.189
Line vs. Poly F-P=0.866, adj. F-P=0.948



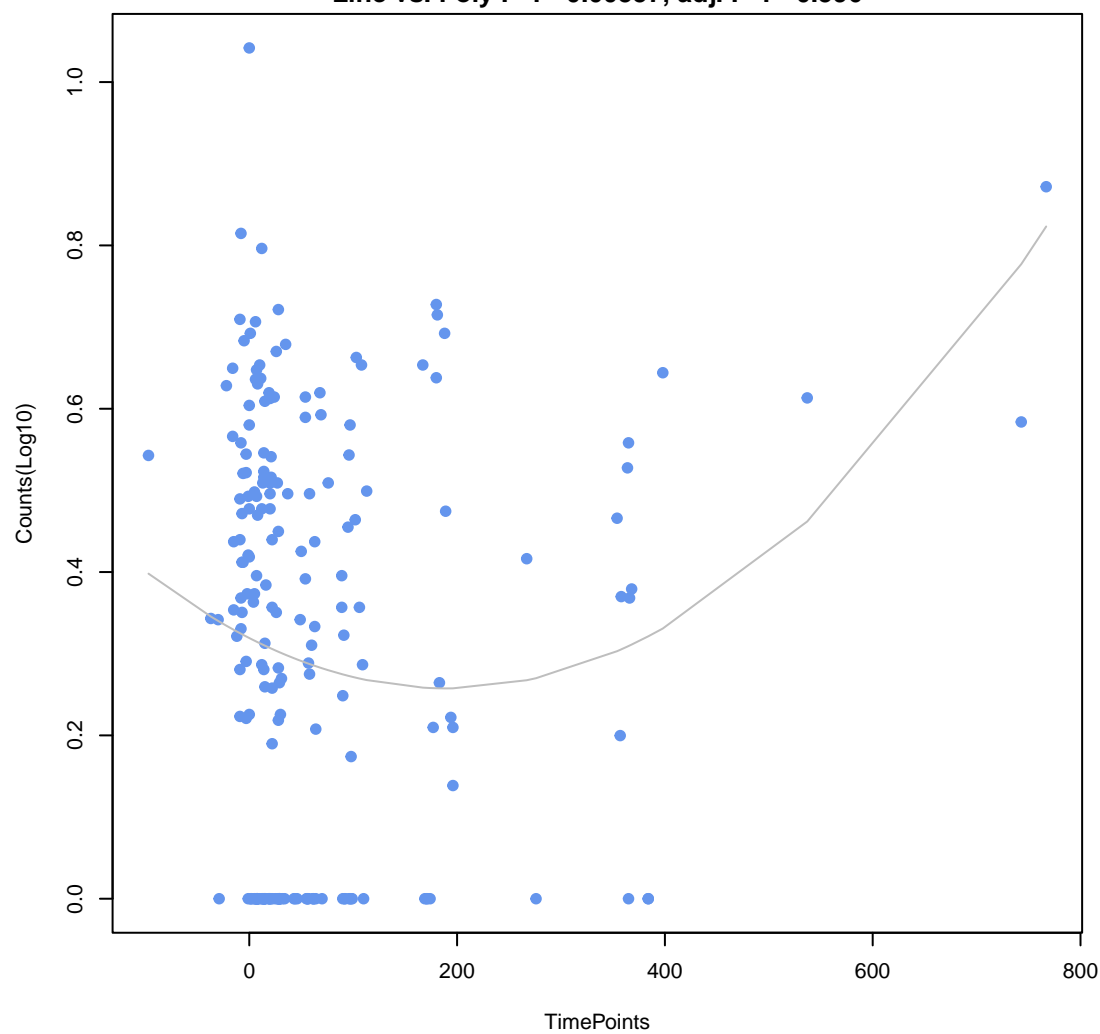
adeA

ANOVA P=0.00708, adj. ANOVA-P=0.189
Line vs. Poly F-P=0.0935, adj. F-P=0.697



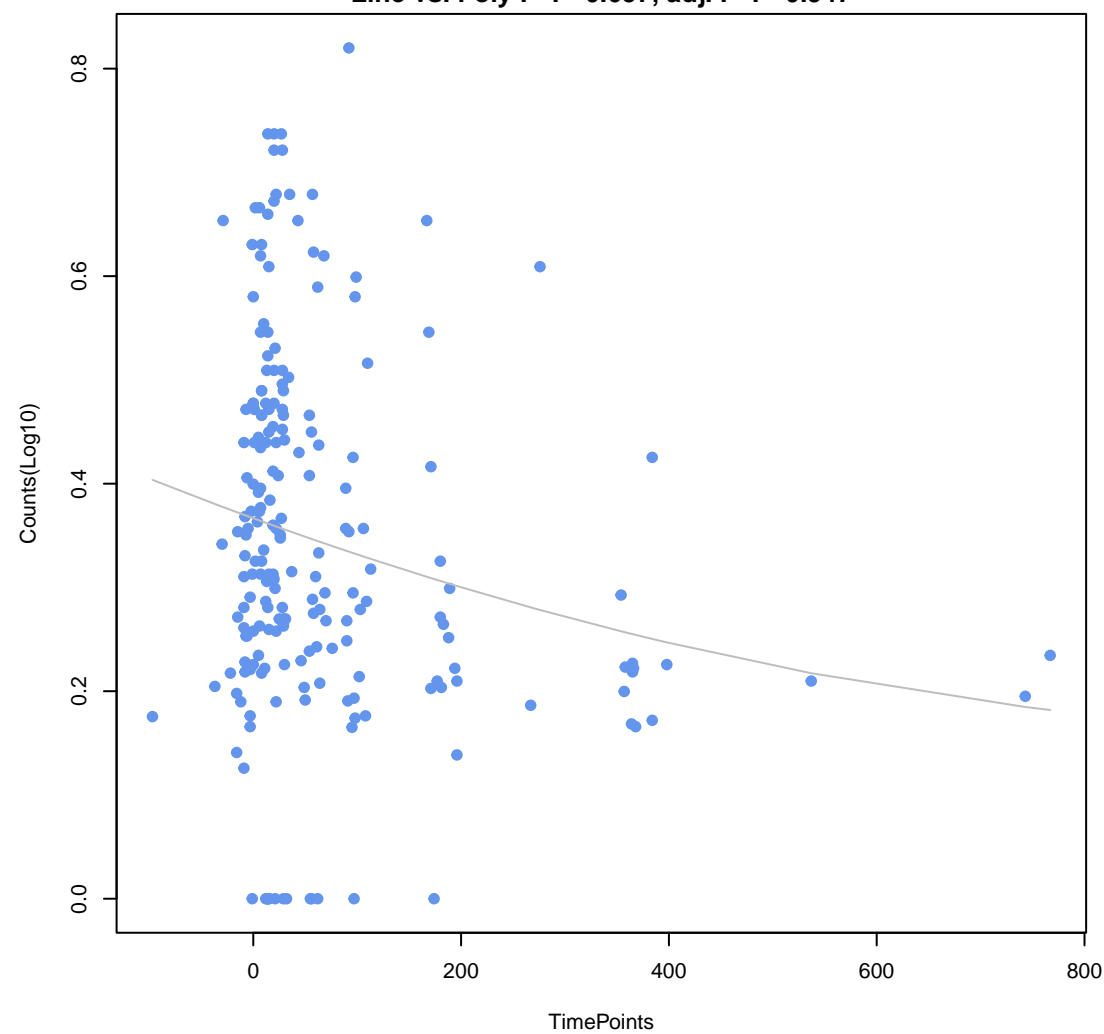
BlaB-16

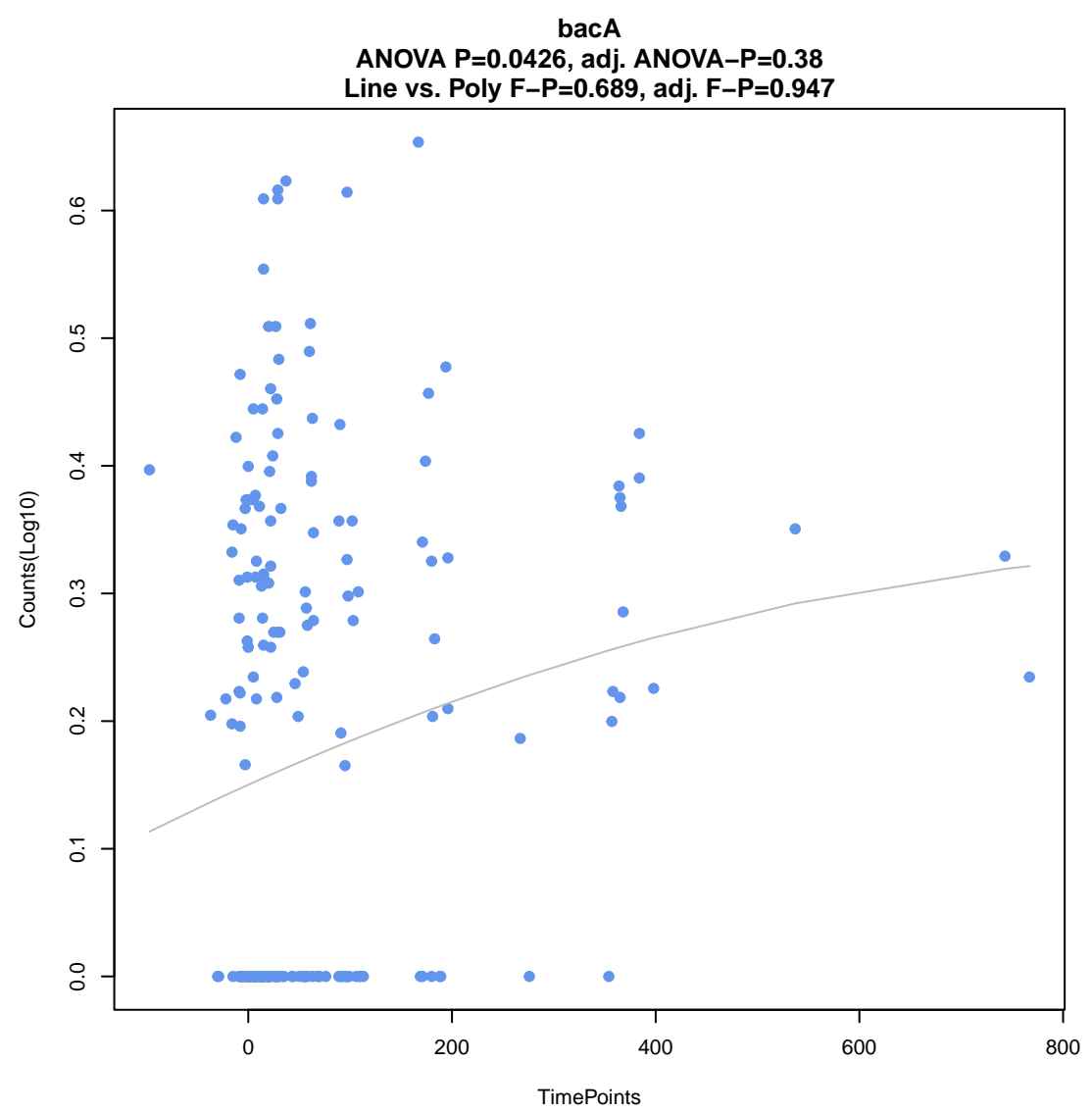
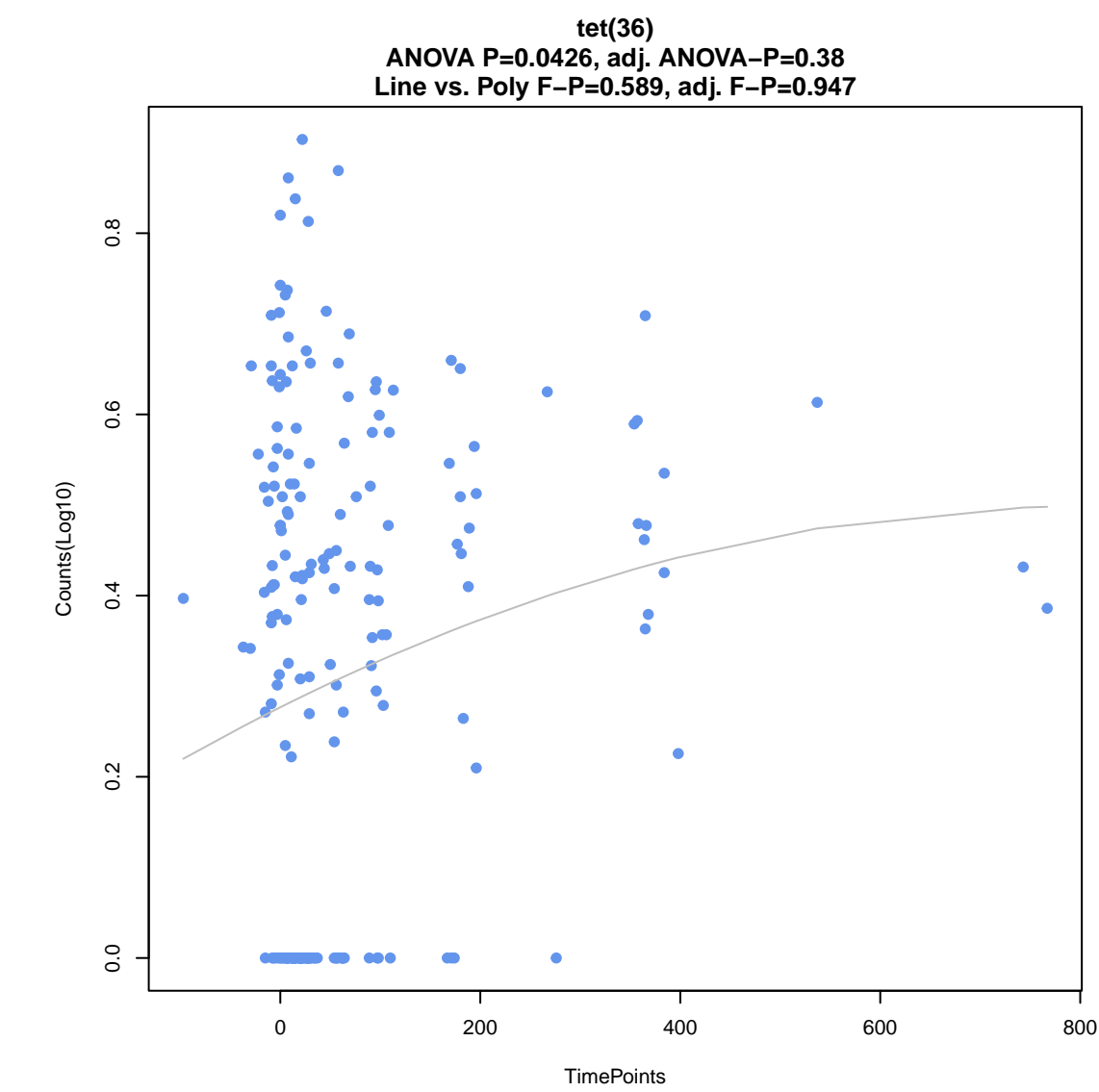
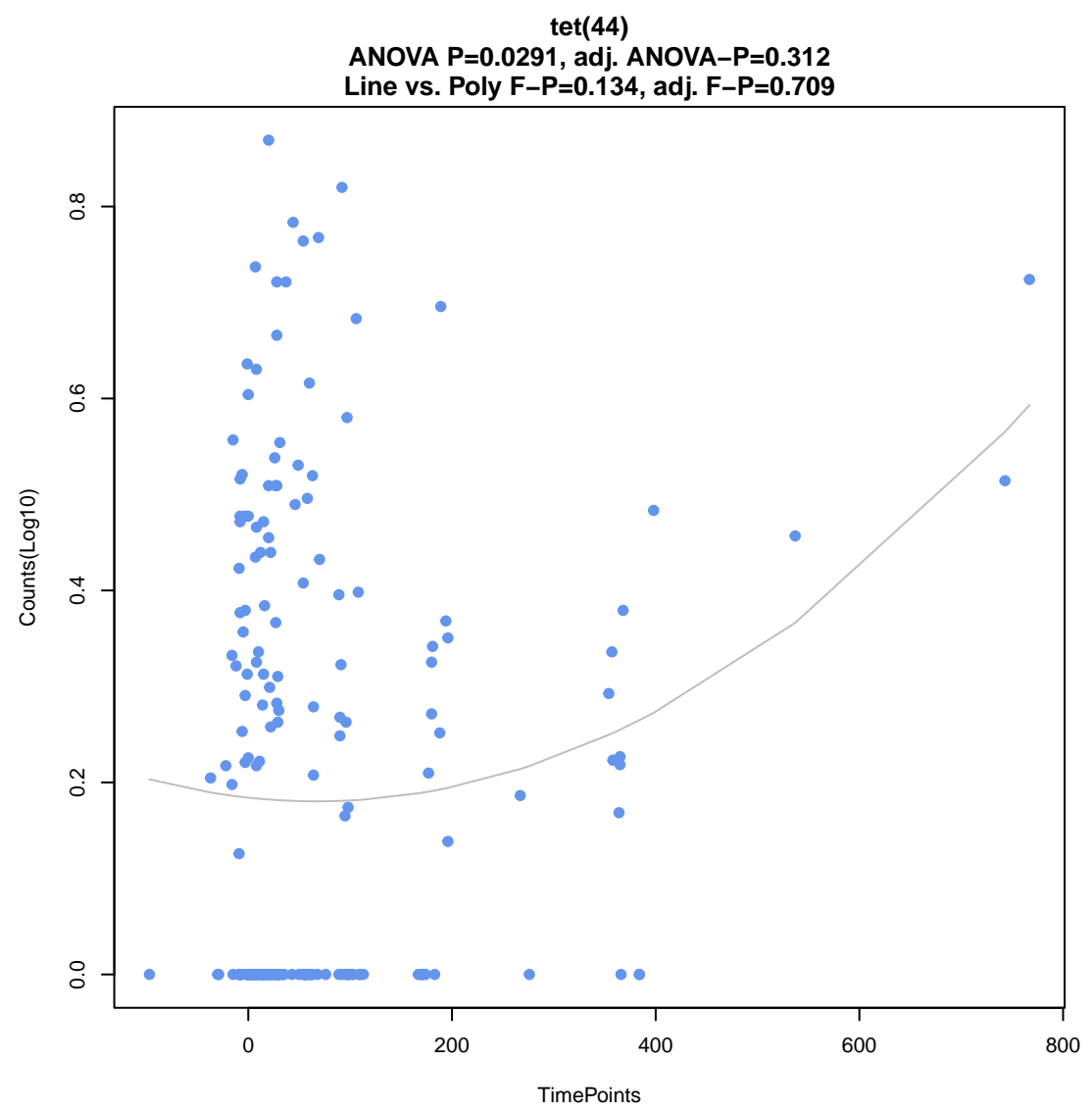
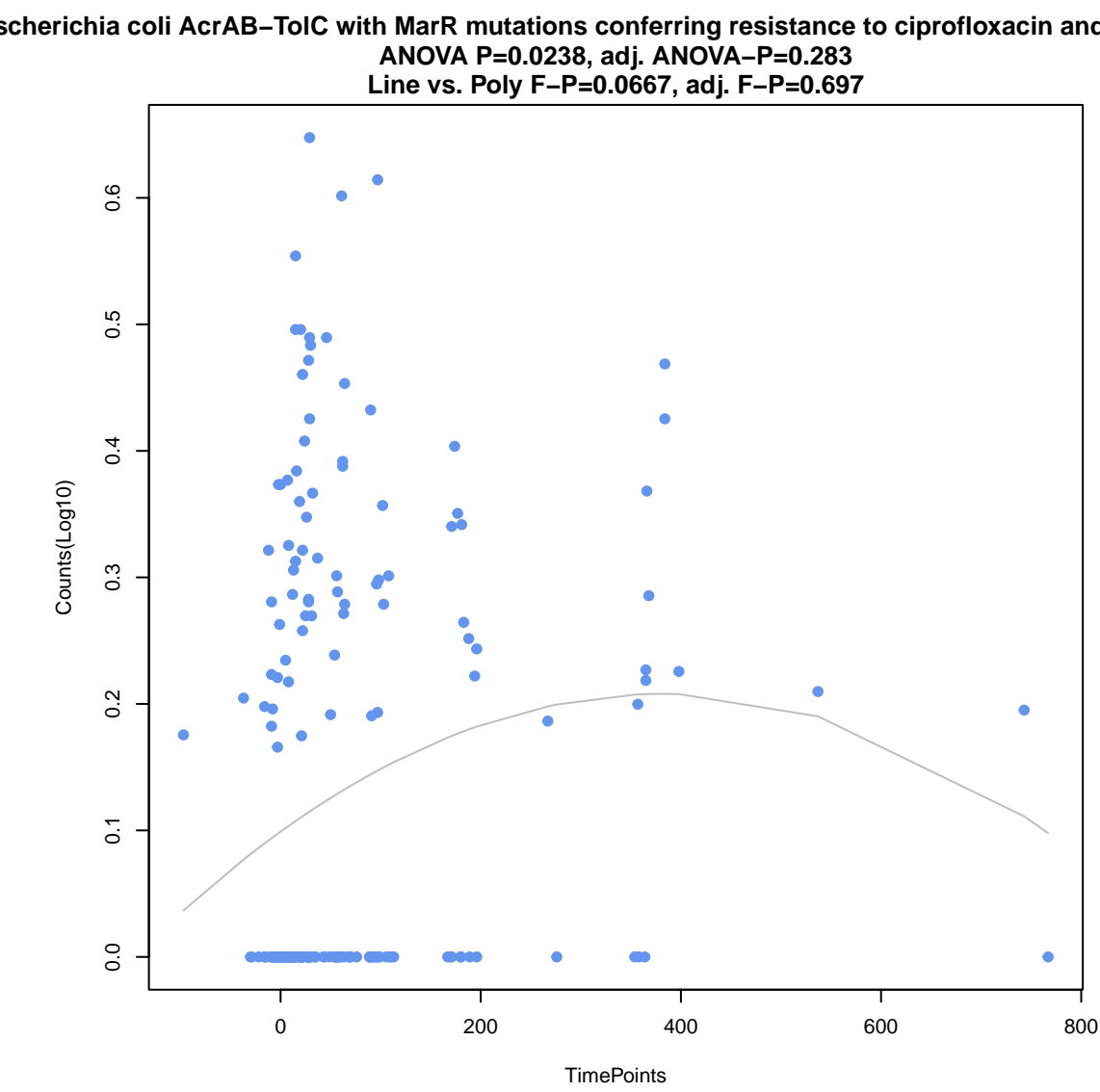
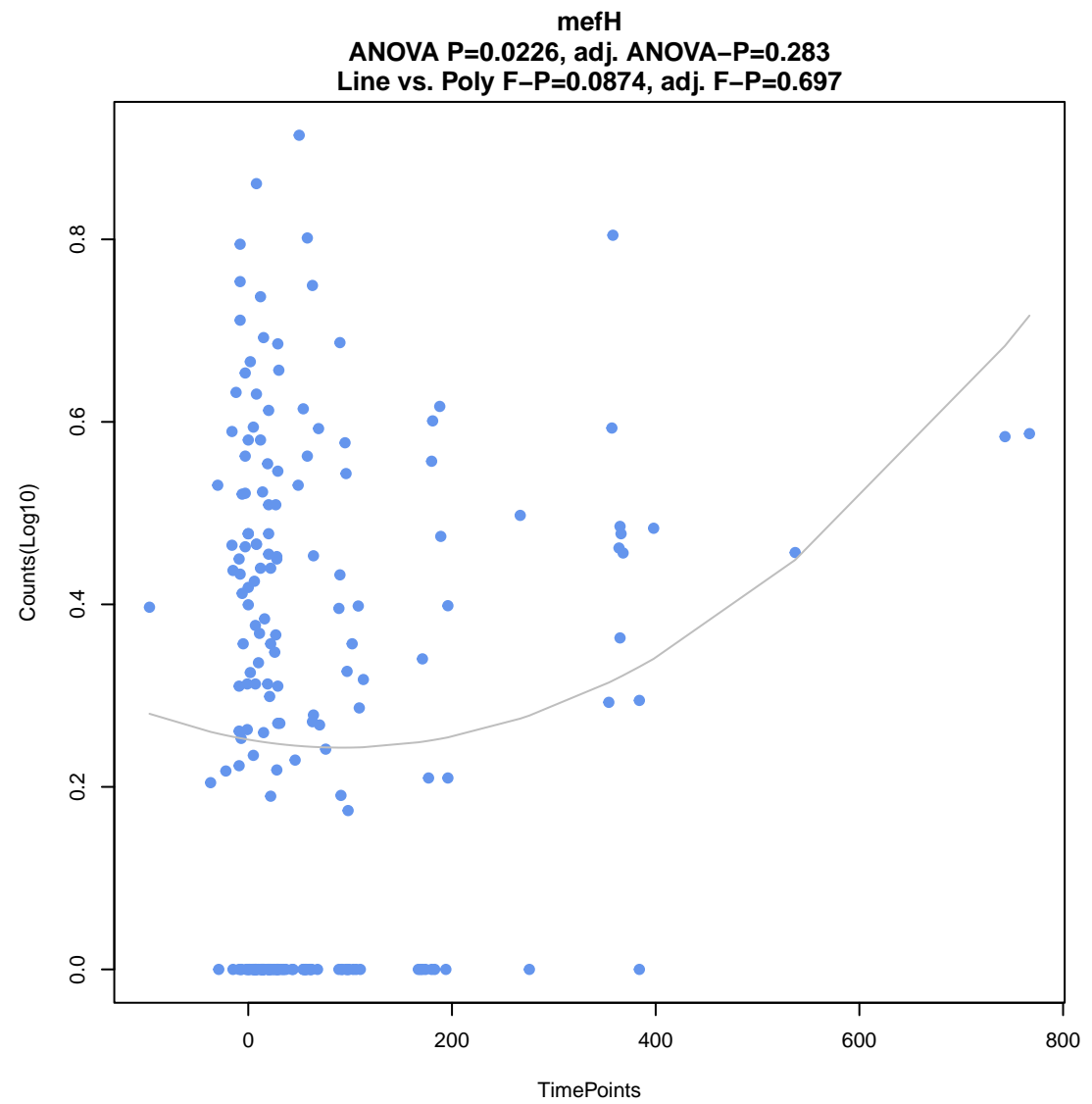
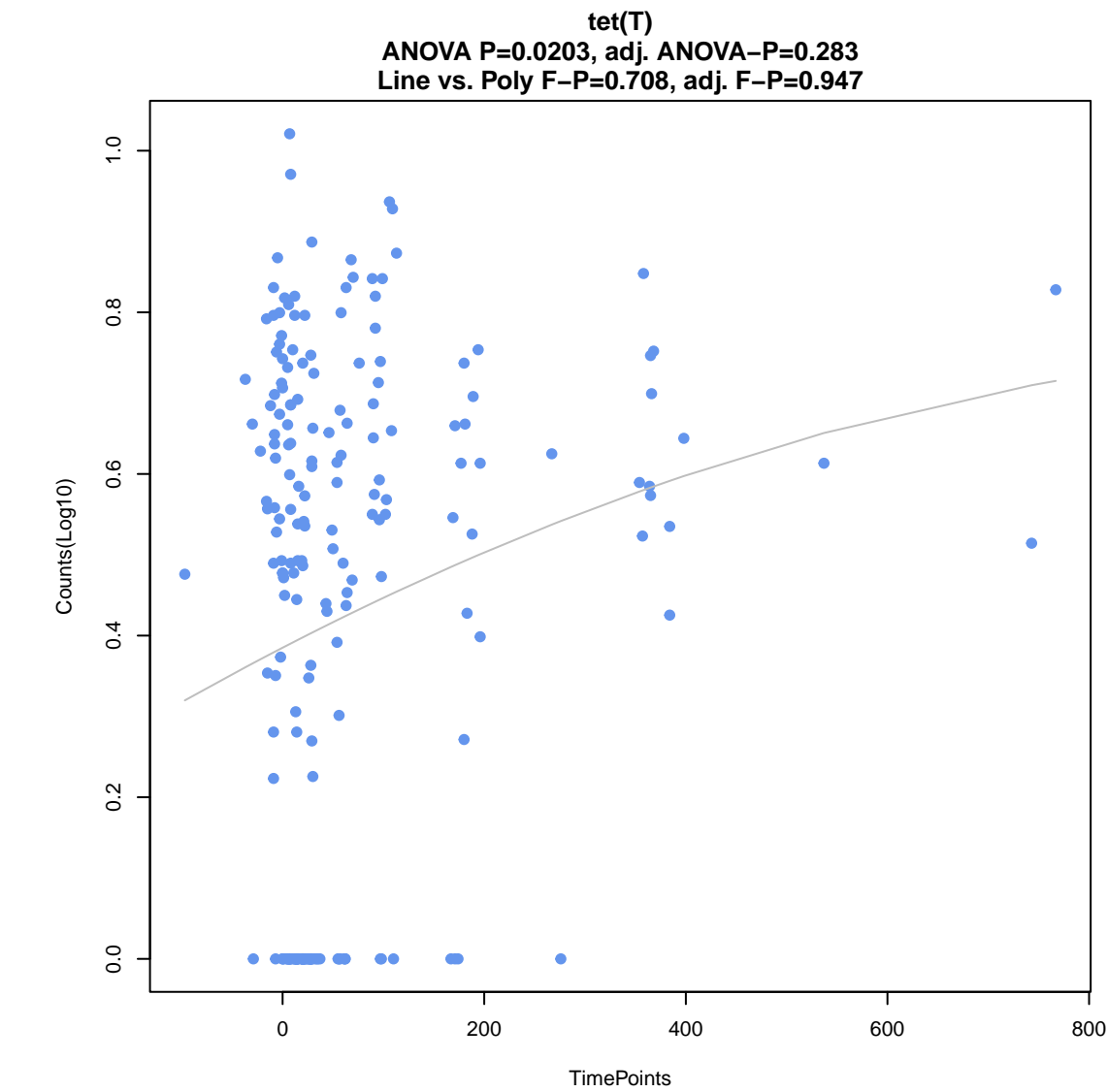
ANOVA P=0.00963, adj. ANOVA-P=0.206
Line vs. Poly F-P=0.00557, adj. F-P=0.596

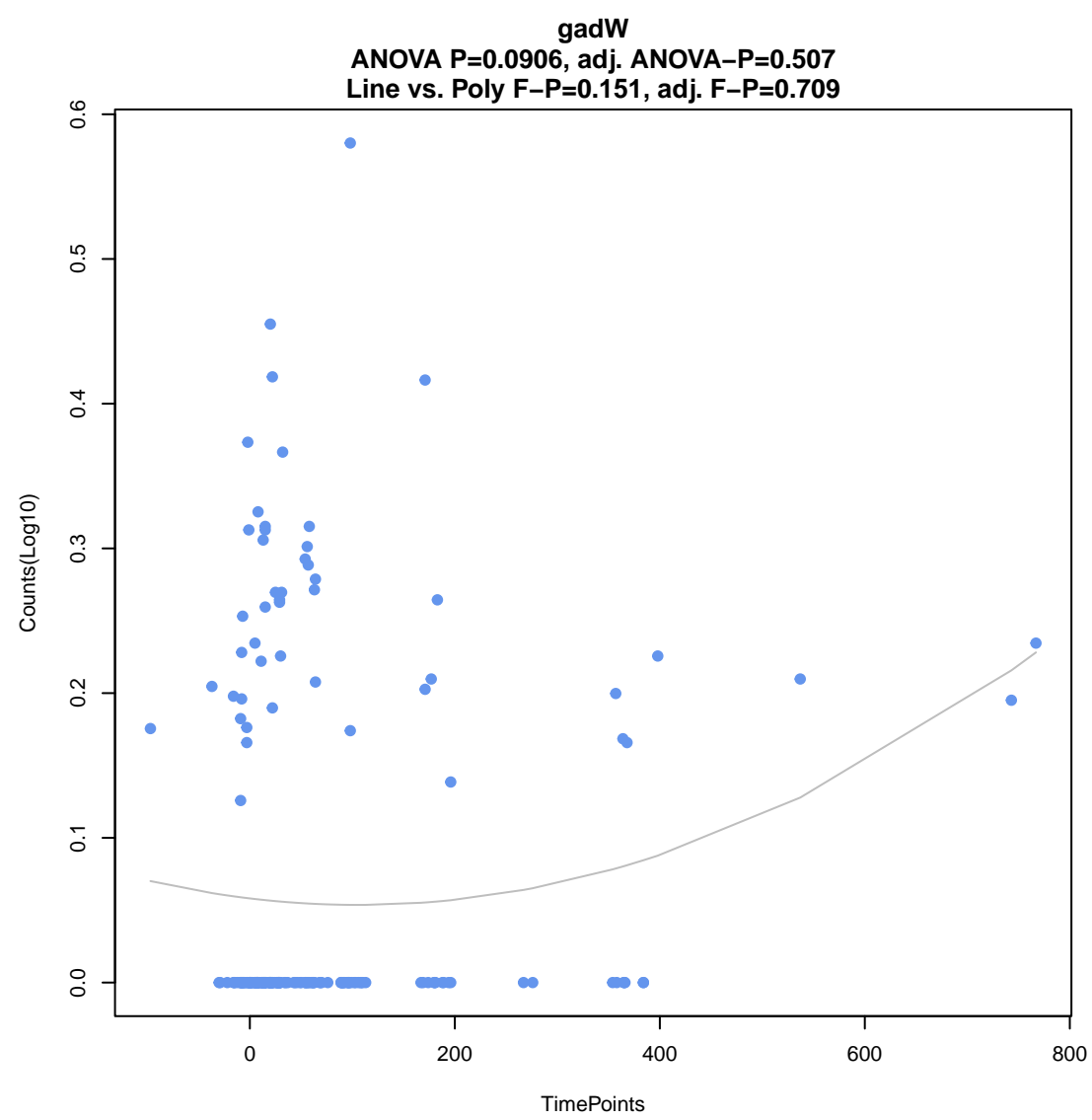
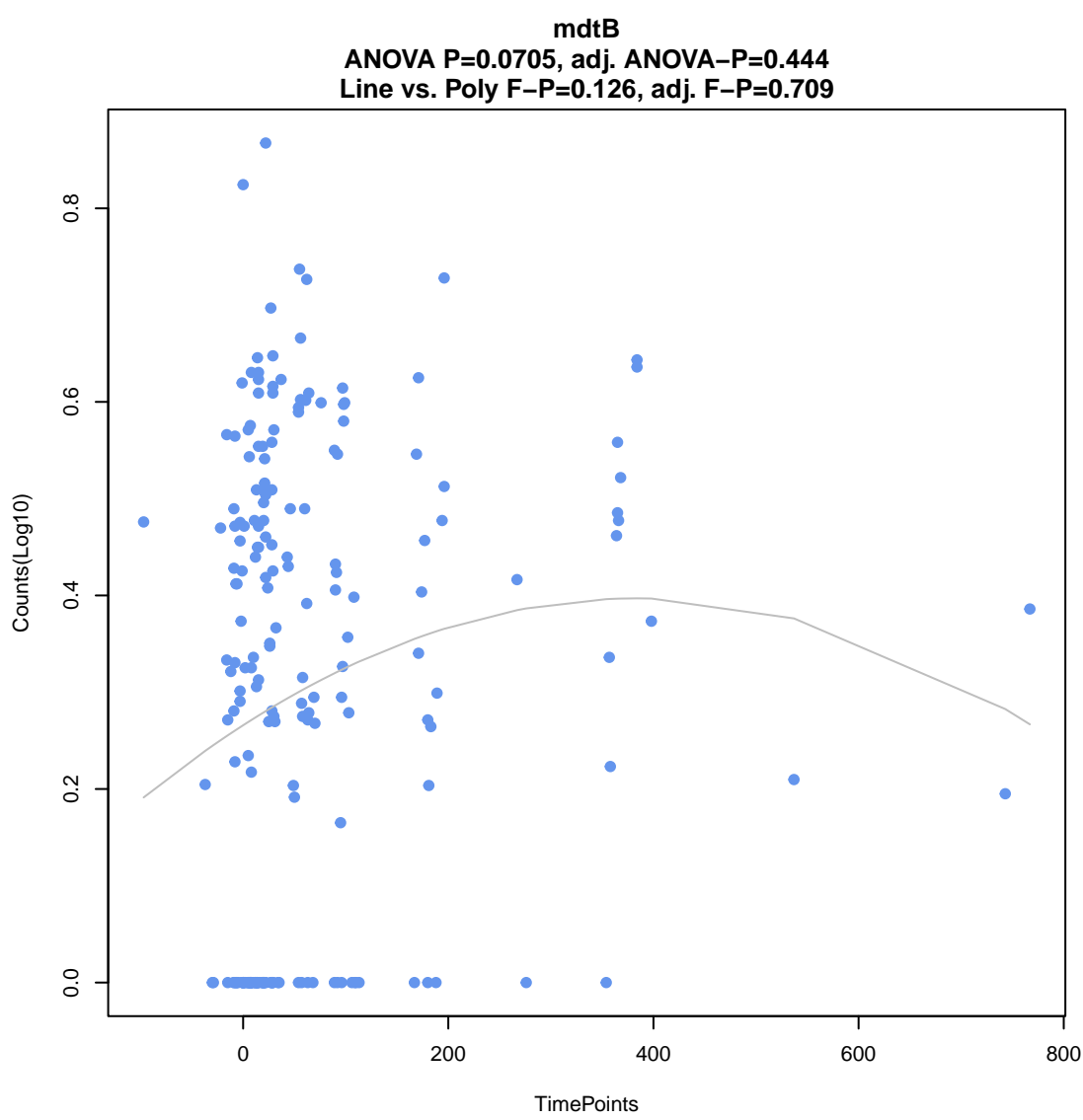
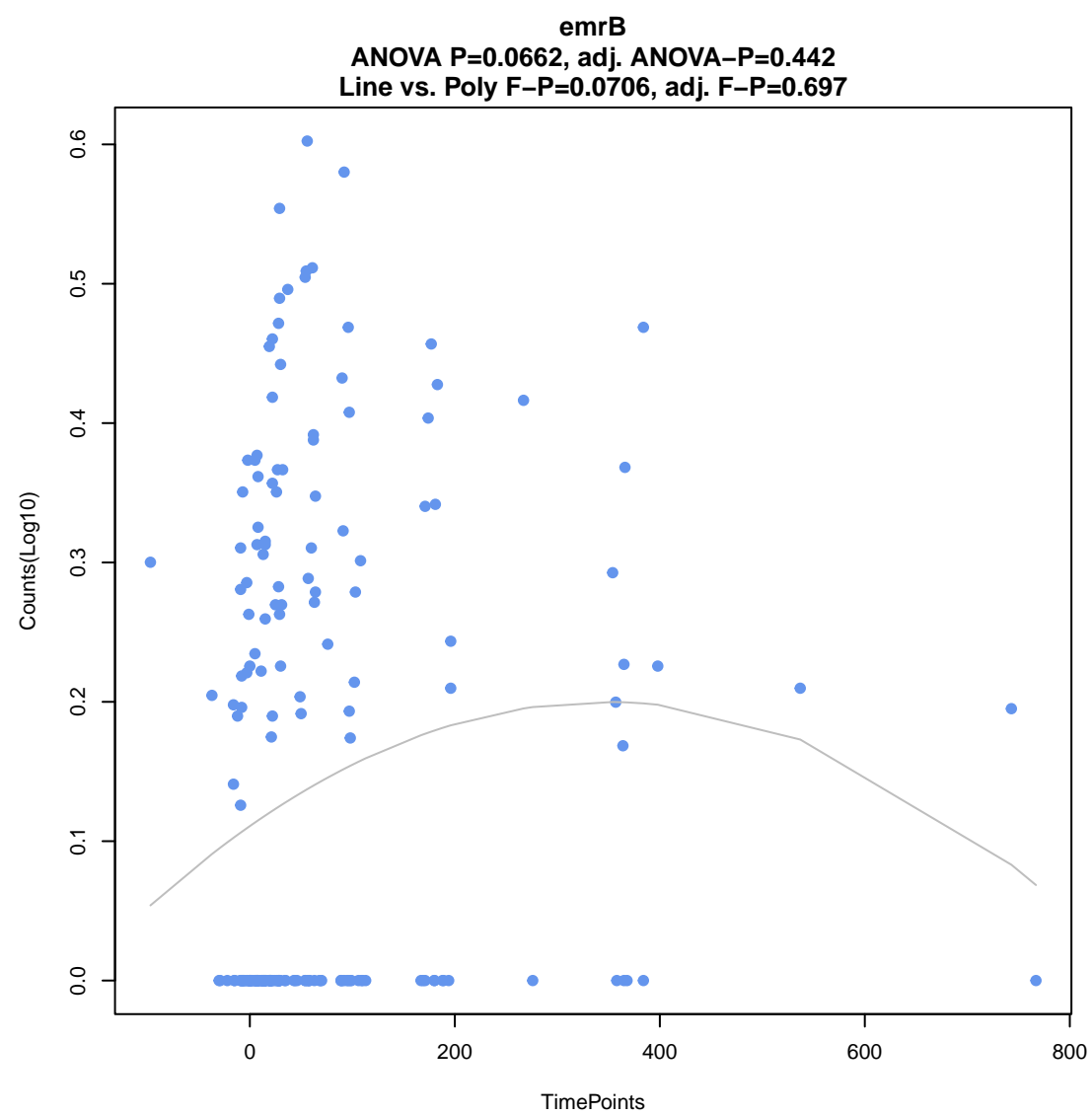
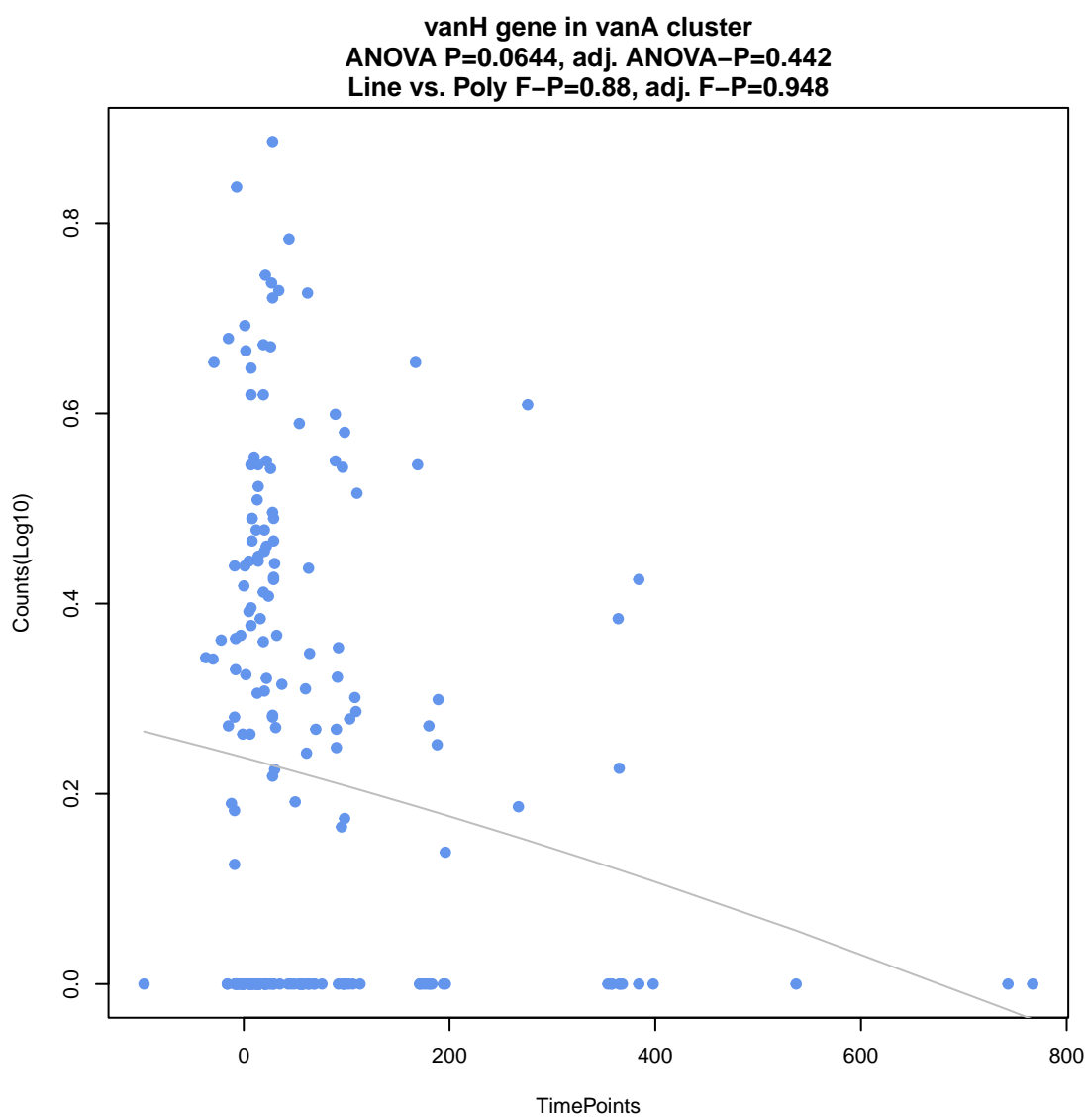
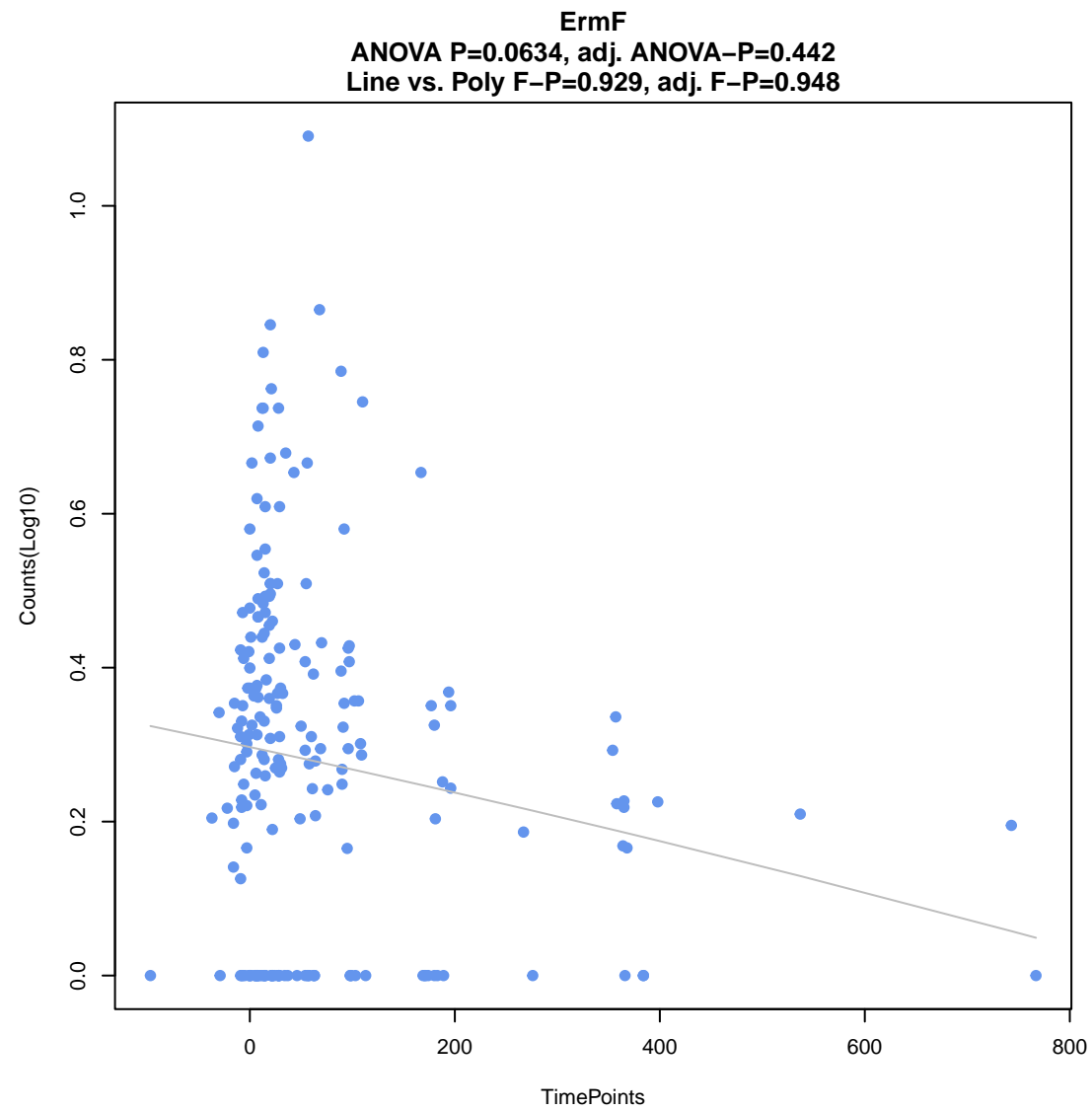
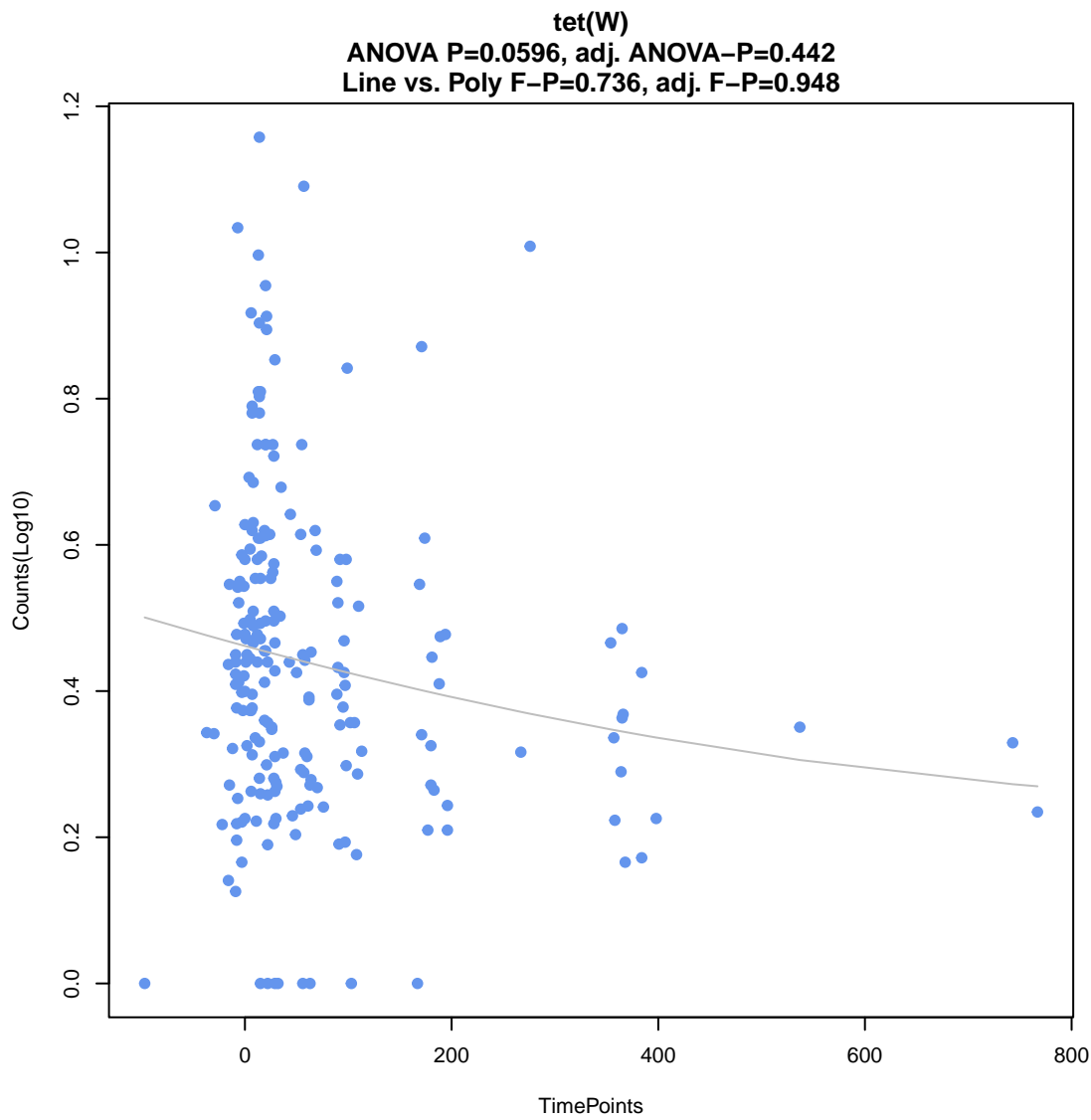


ErmB

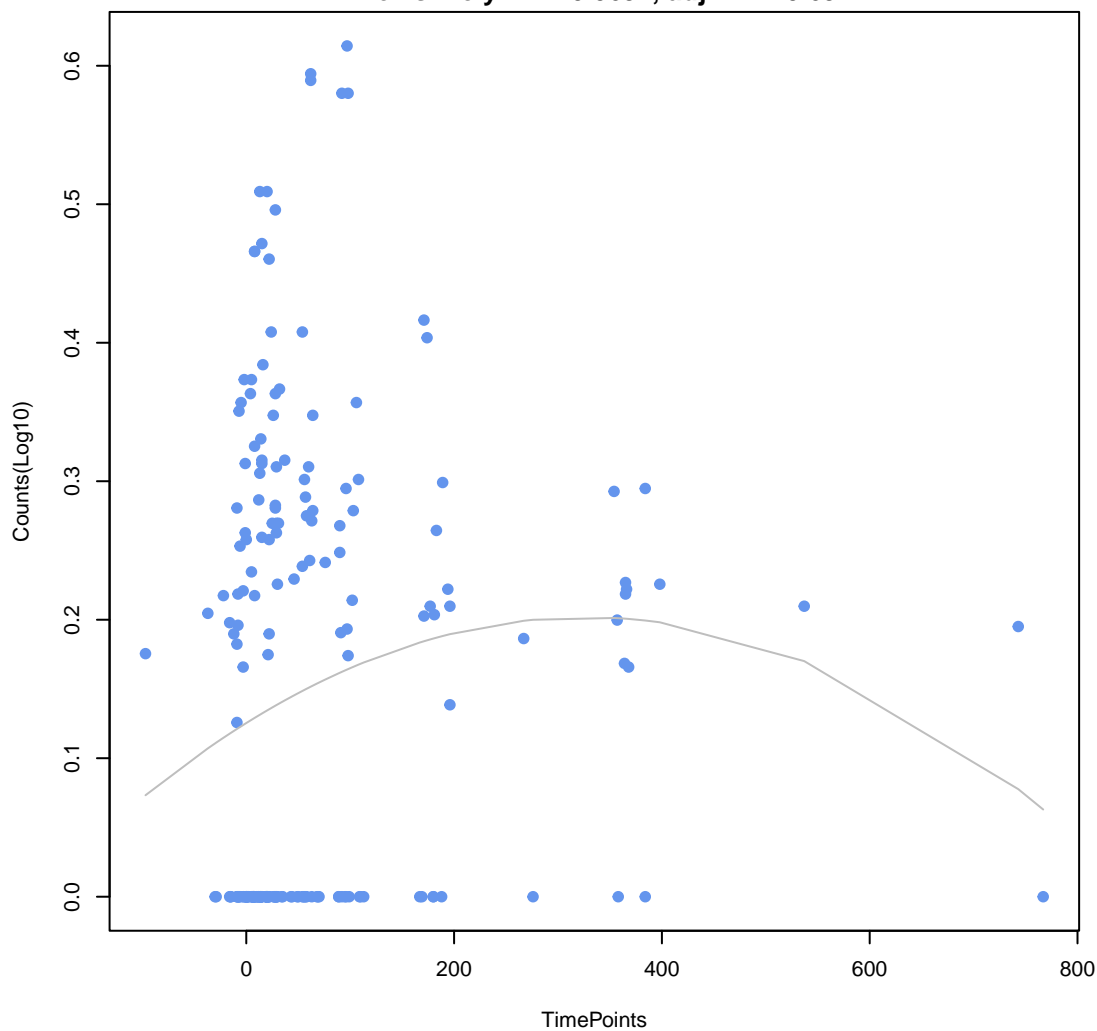
ANOVA P=0.0183, adj. ANOVA-P=0.283
Line vs. Poly F-P=0.697, adj. F-P=0.947



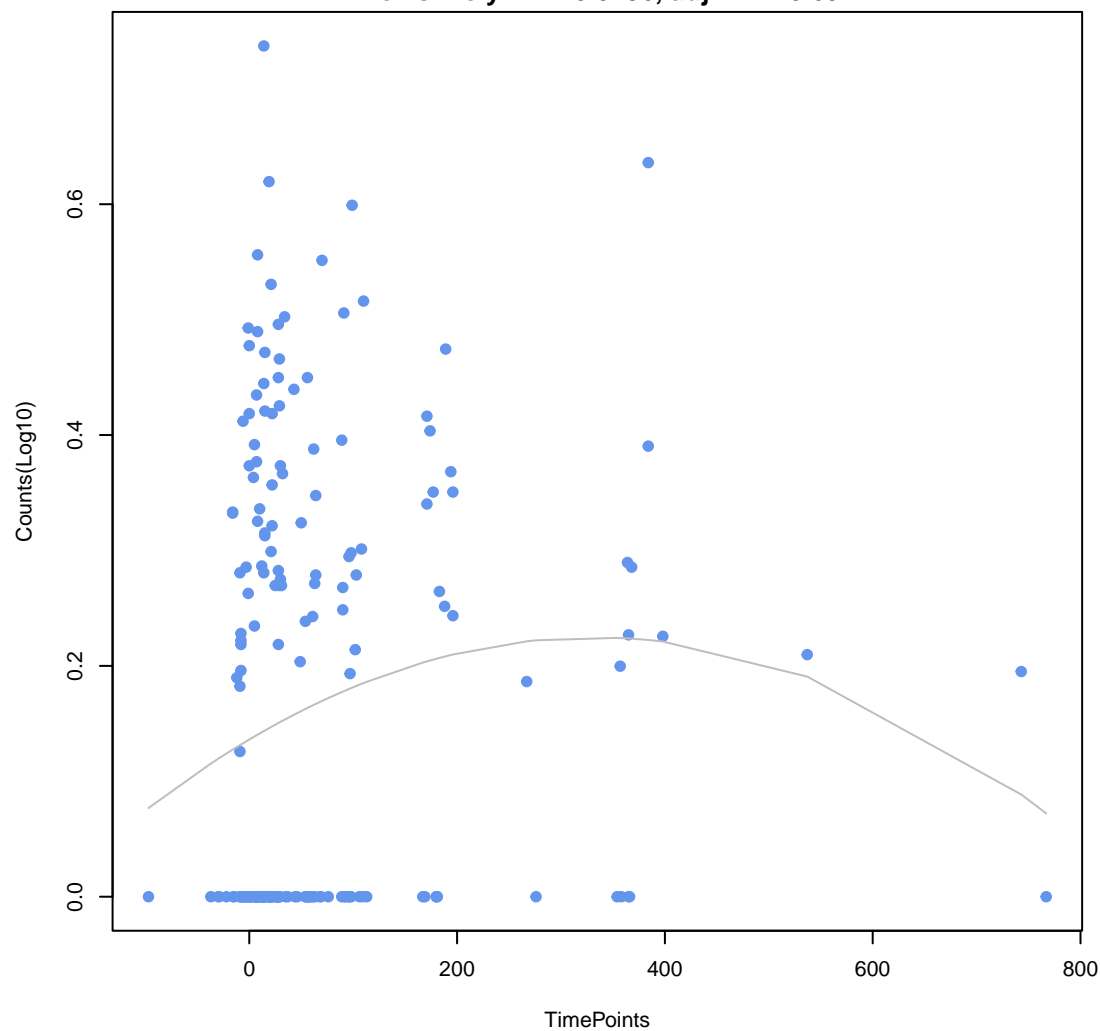




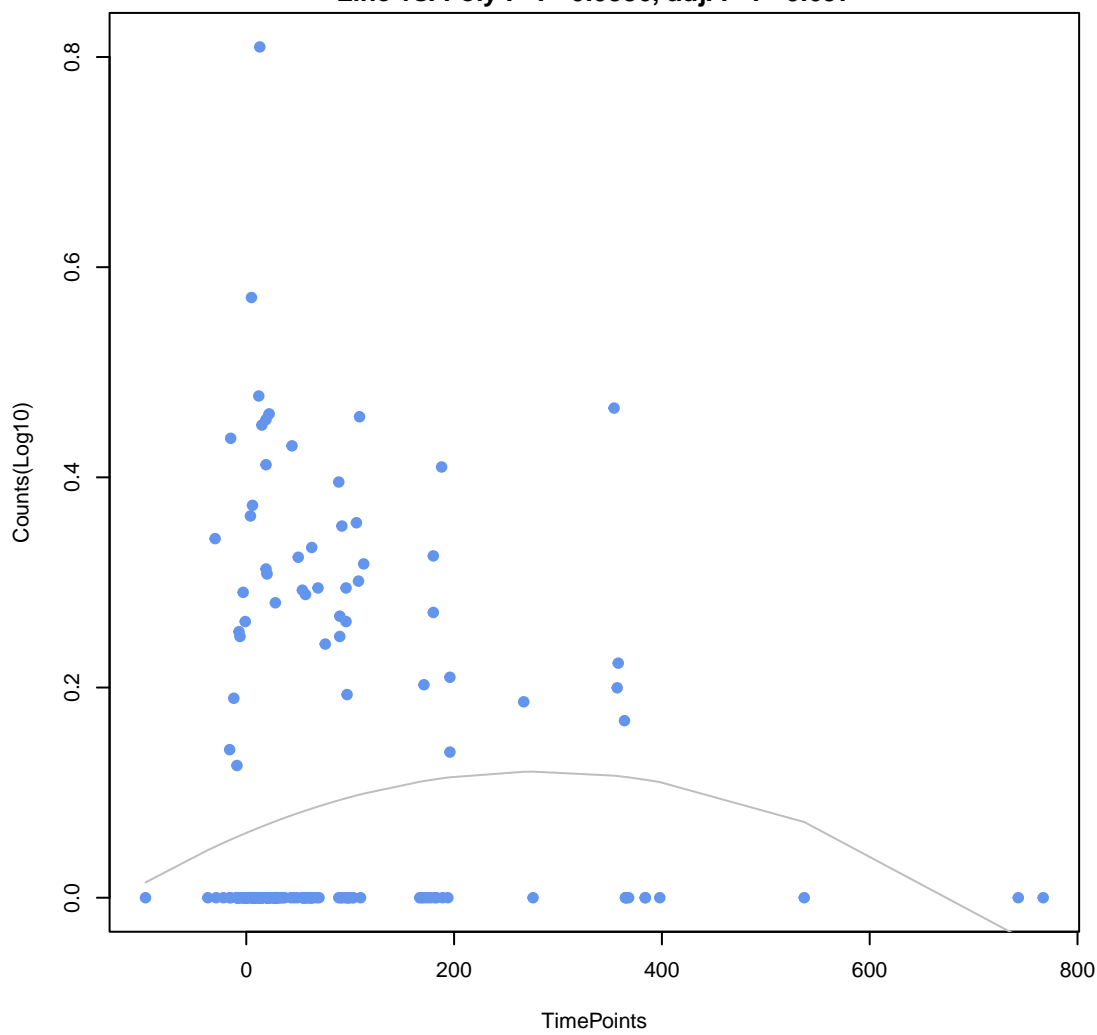
Escherichia coli EF-Tu mutants conferring resistance to Pulvomycin
ANOVA P=0.0959, adj. ANOVA-P=0.507
Line vs. Poly F-P=0.0697, adj. F-P=0.697



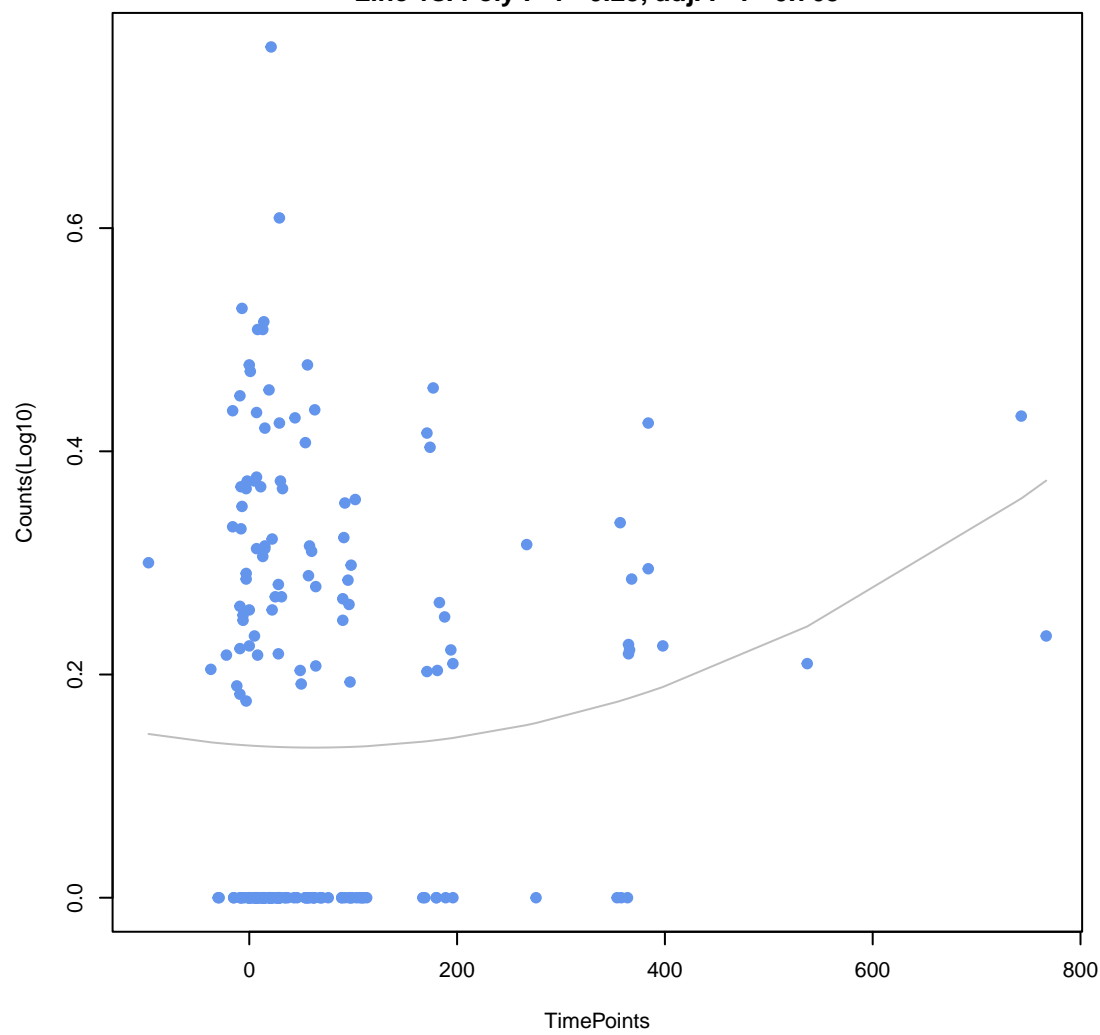
mdtM
ANOVA P=0.0967, adj. ANOVA-P=0.507
Line vs. Poly F-P=0.0756, adj. F-P=0.697



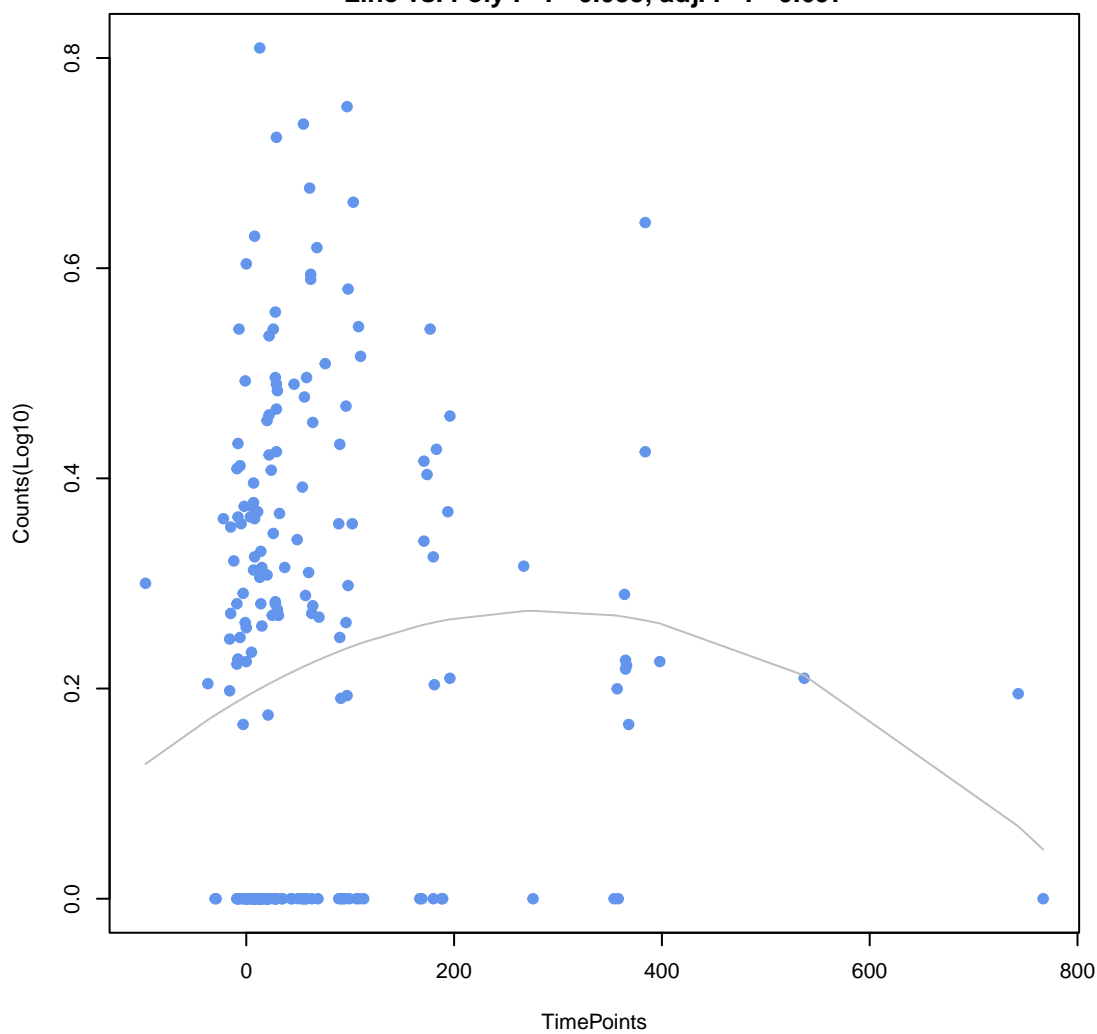
vanR gene in vanE cluster
ANOVA P=0.0995, adj. ANOVA-P=0.507
Line vs. Poly F-P=0.0386, adj. F-P=0.697



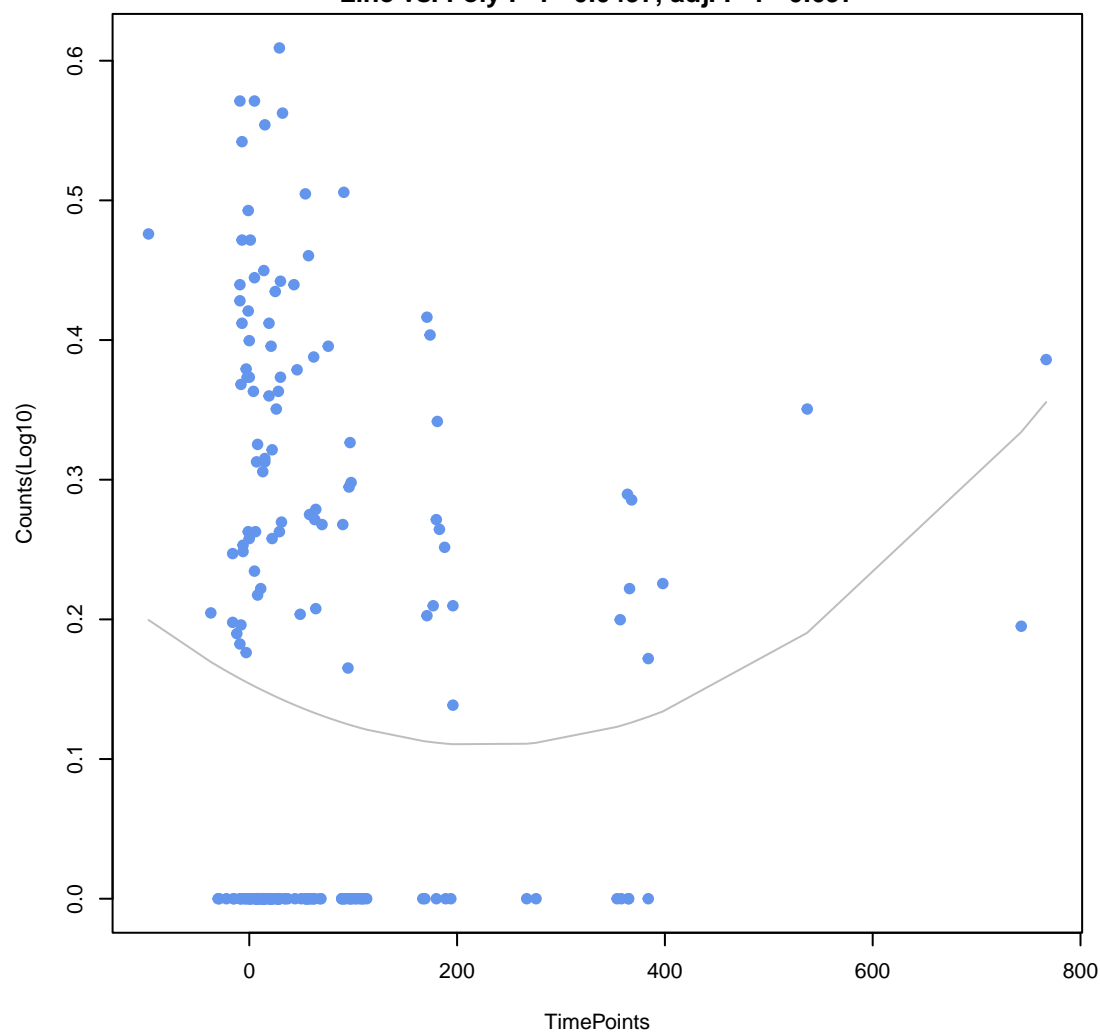
mdtH
ANOVA P=0.114, adj. ANOVA-P=0.555
Line vs. Poly F-P=0.25, adj. F-P=0.765



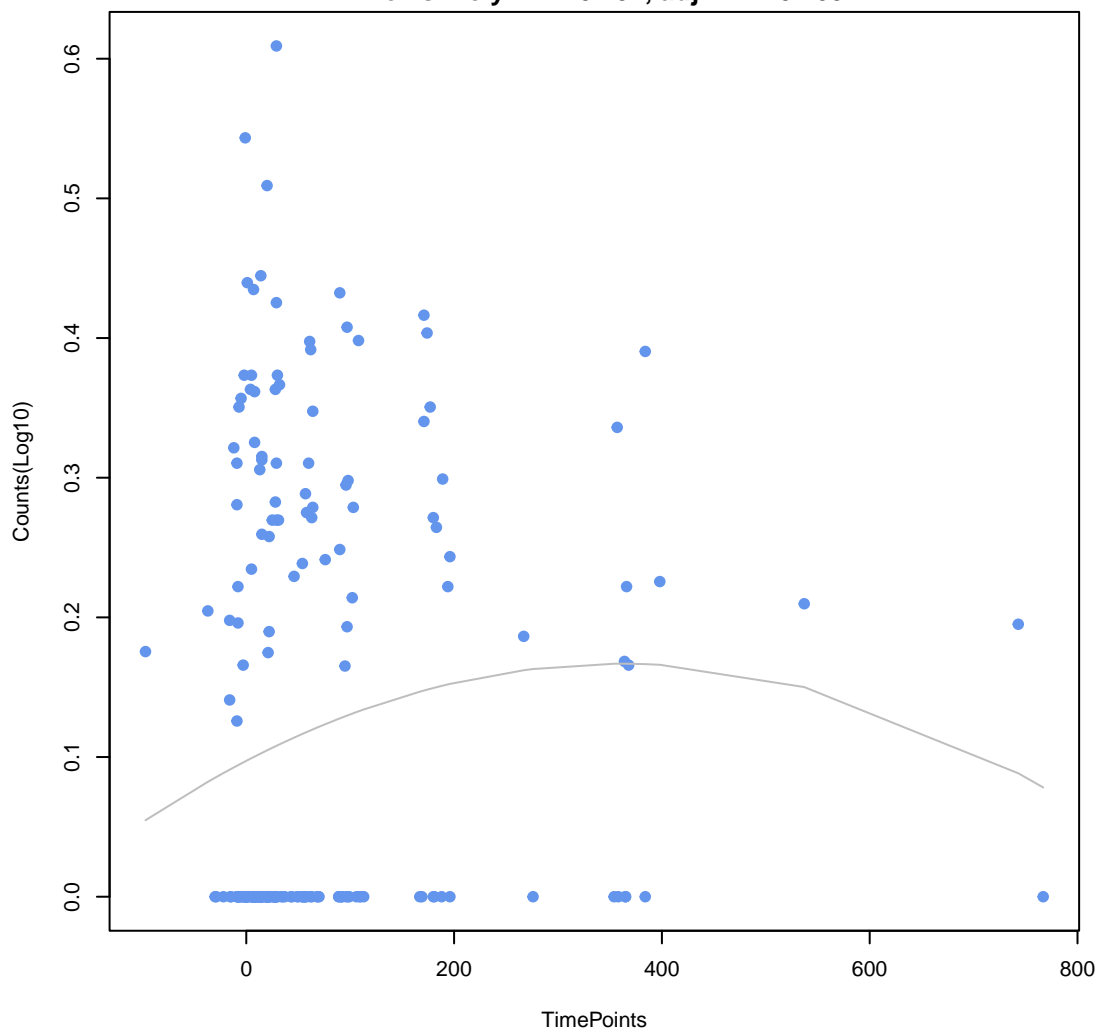
CRP
ANOVA P=0.13, adj. ANOVA-P=0.606
Line vs. Poly F-P=0.055, adj. F-P=0.697



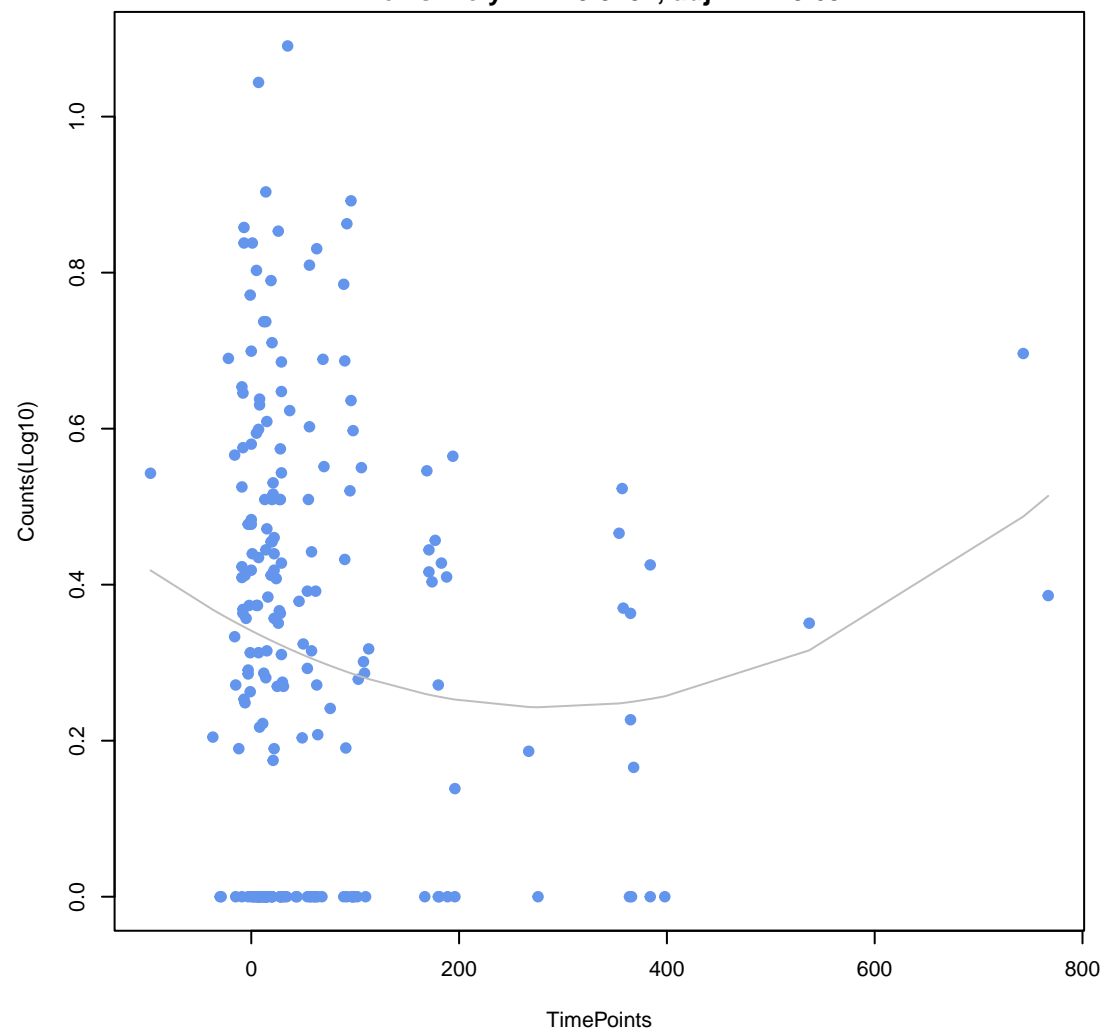
YojI
ANOVA P=0.14, adj. ANOVA-P=0.623
Line vs. Poly F-P=0.0497, adj. F-P=0.697



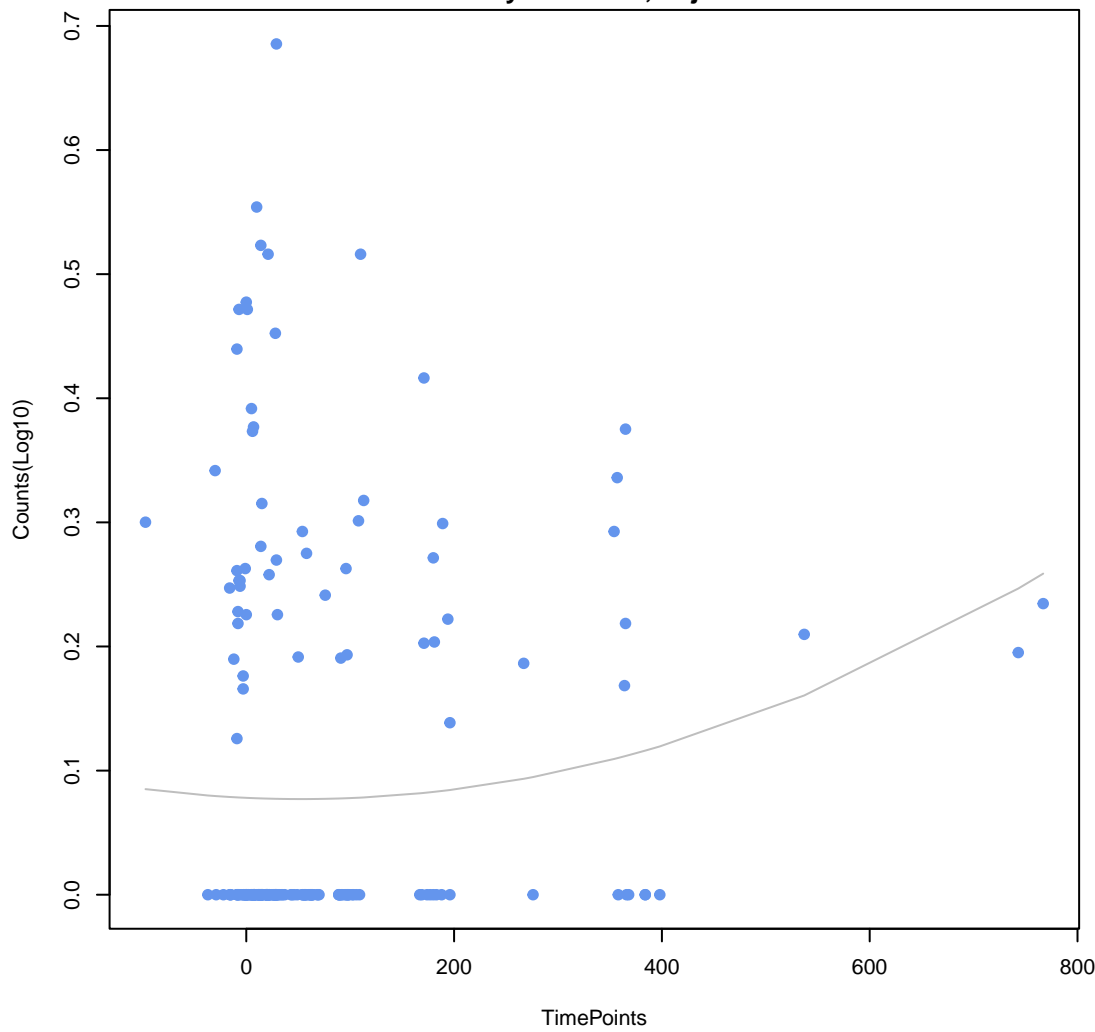
Escherichia coli soxS with mutation conferring antibiotic resistance
ANOVA $P=0.148$, adj. ANOVA- $P=0.623$
Line vs. Poly F- $P=0.152$, adj. F- $P=0.709$



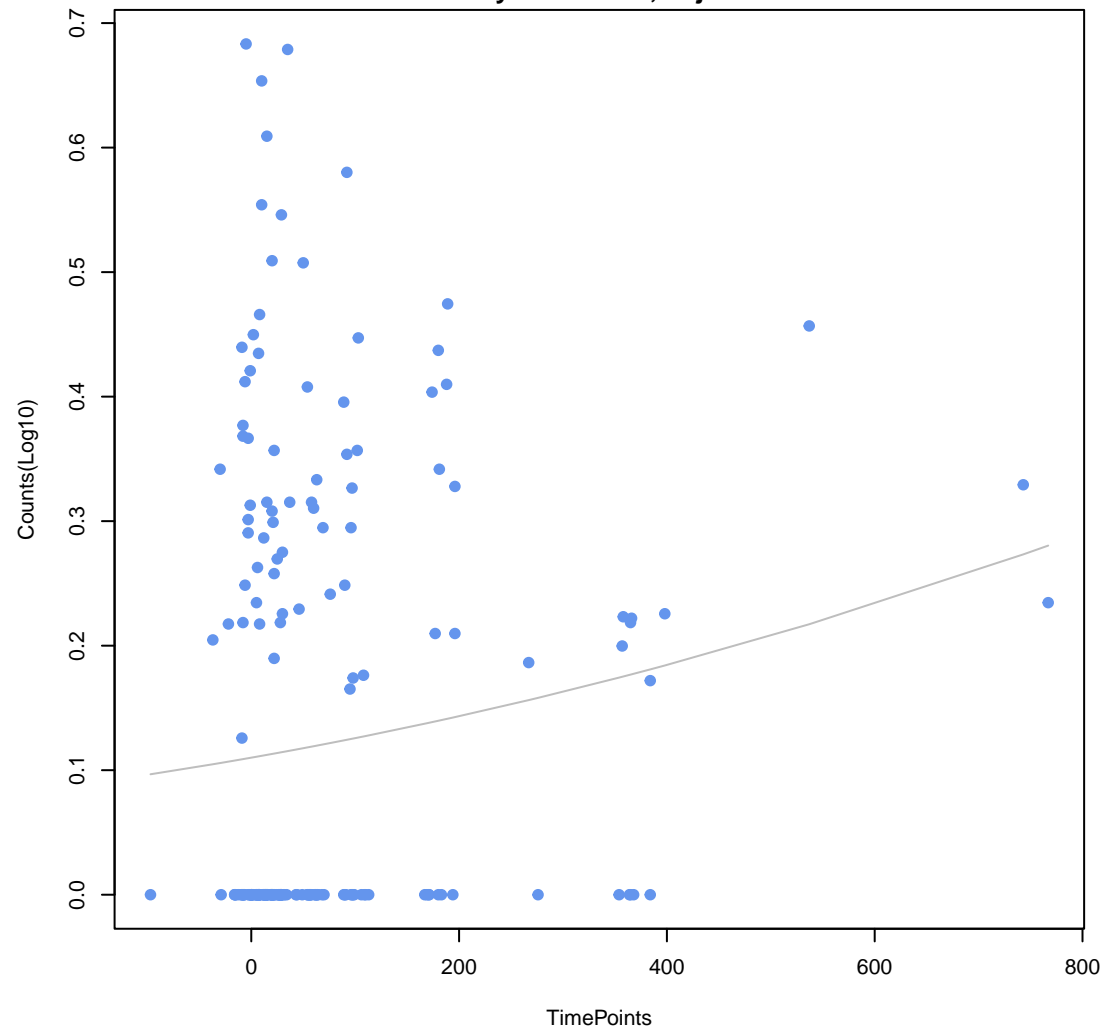
Bifidobacterium adolescentis rpoB mutants conferring resistance to rifampicin
ANOVA $P=0.162$, adj. ANOVA- $P=0.623$
Line vs. Poly F- $P=0.0707$, adj. F- $P=0.697$



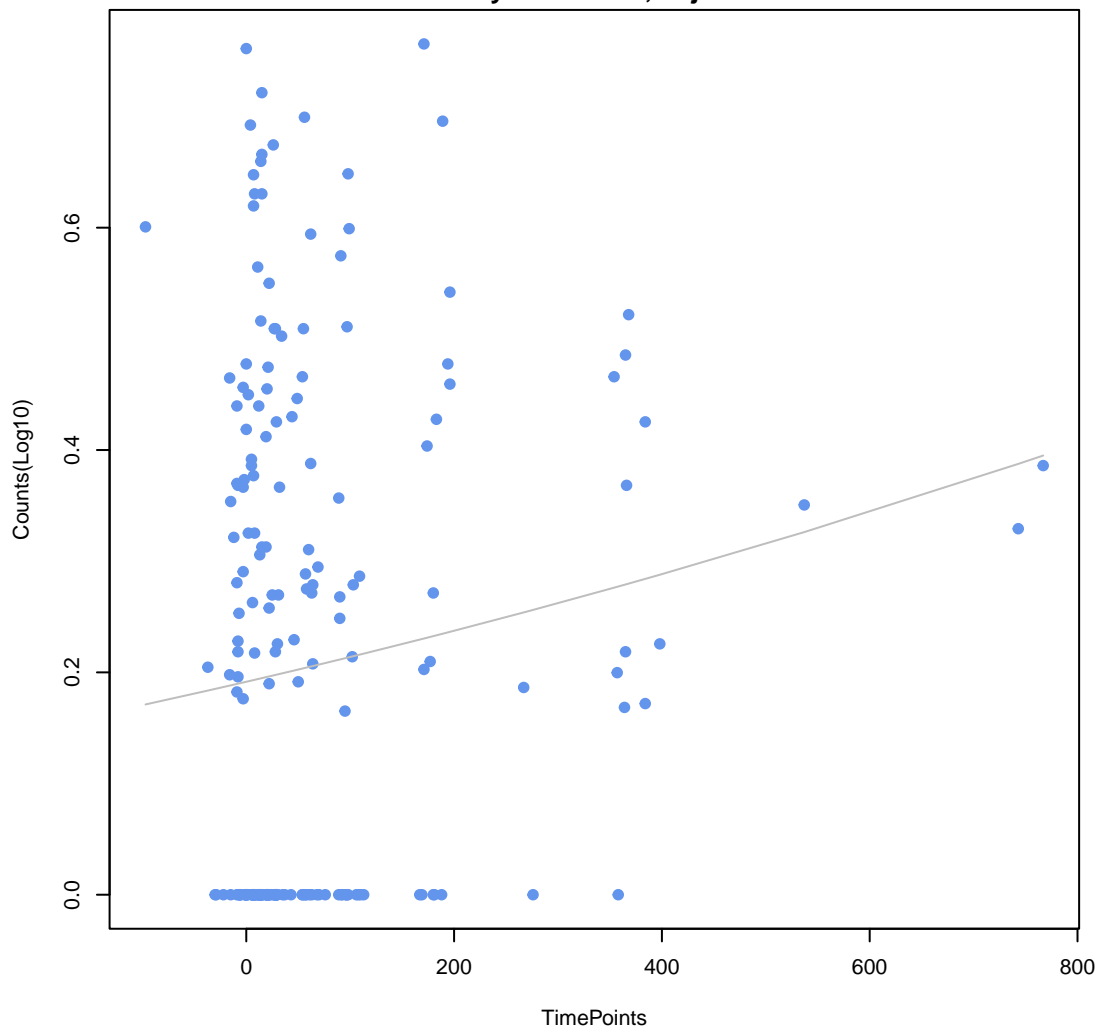
Streptomyces rimosus otr(A)
ANOVA $P=0.163$, adj. ANOVA- $P=0.623$
Line vs. Poly F- $P=0.31$, adj. F- $P=0.81$



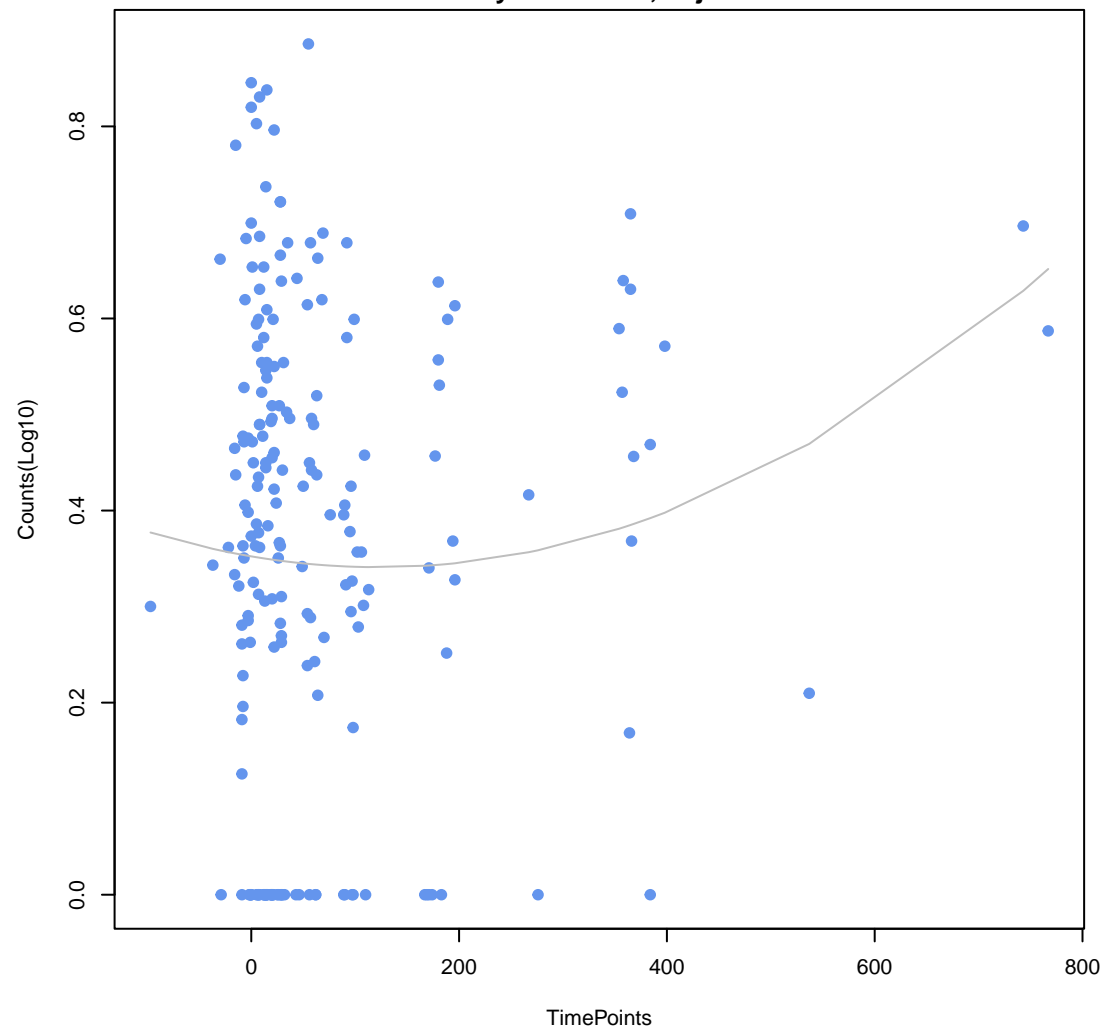
myrA
ANOVA $P=0.165$, adj. ANOVA- $P=0.623$
Line vs. Poly F- $P=0.818$, adj. F- $P=0.948$



mdtF
ANOVA $P=0.169$, adj. ANOVA- $P=0.623$
Line vs. Poly F- $P=0.906$, adj. F- $P=0.948$

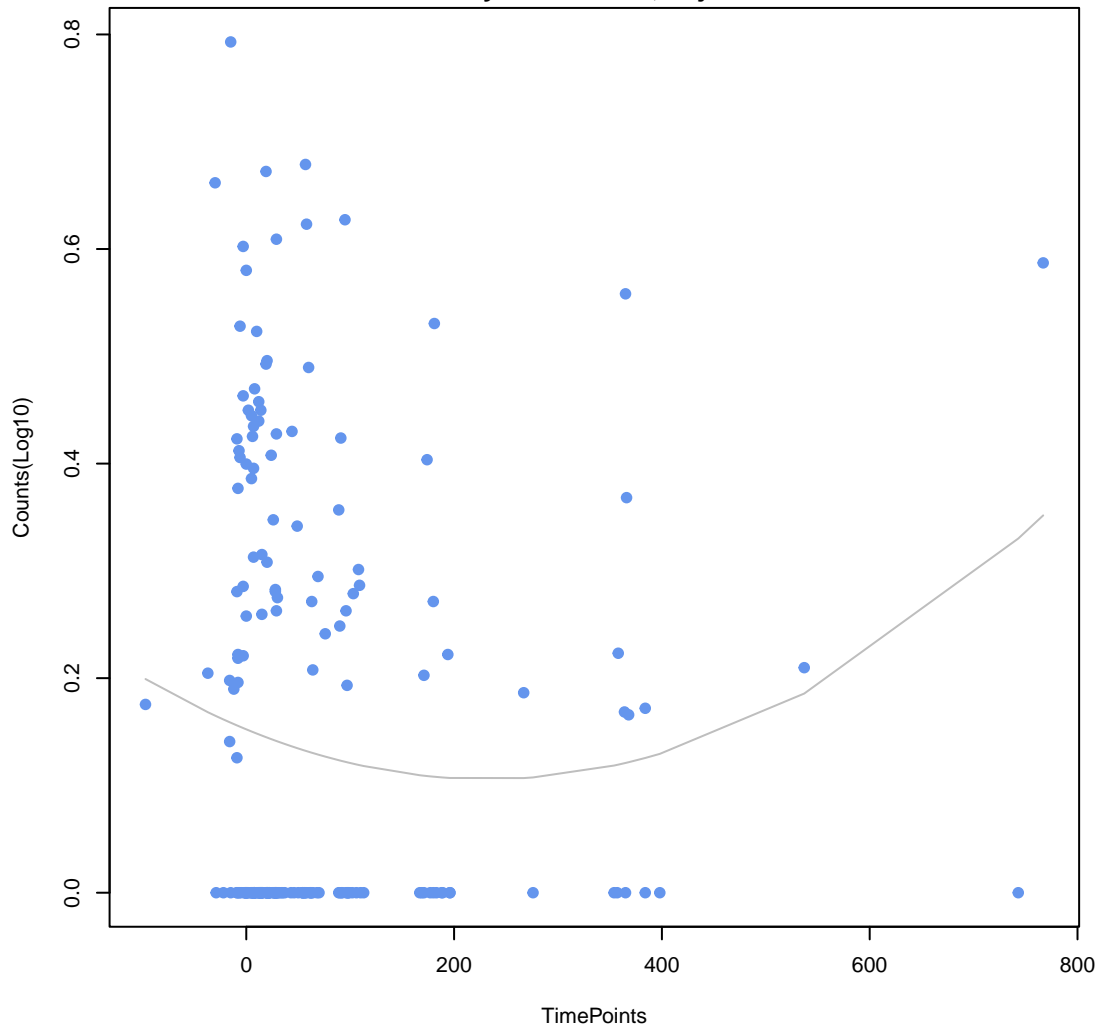


tet(32)
ANOVA $P=0.197$, adj. ANOVA- $P=0.653$
Line vs. Poly F- $P=0.206$, adj. F- $P=0.765$



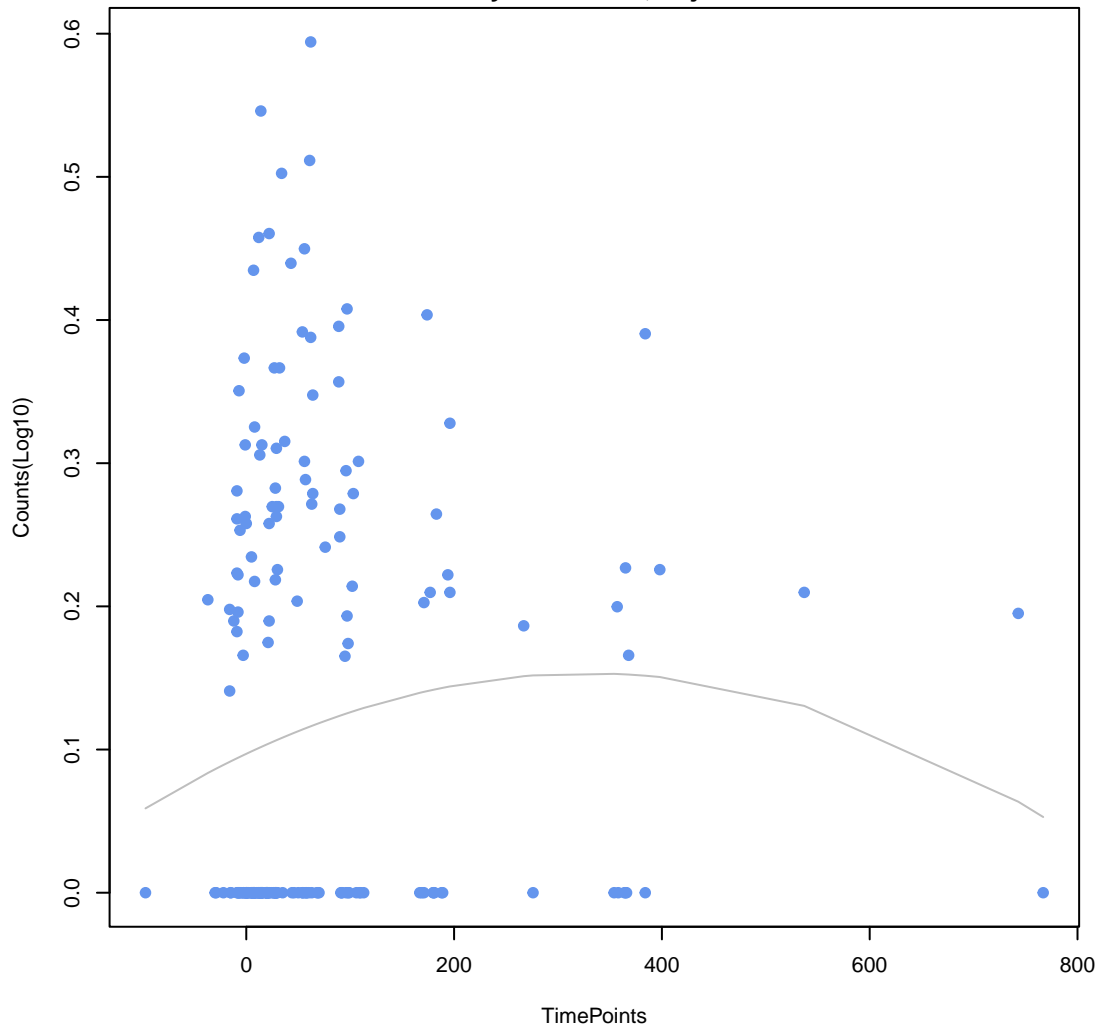
PDC-402

ANOVA P=0.197, adj. ANOVA-P=0.653
Line vs. Poly F-P=0.0733, adj. F-P=0.697



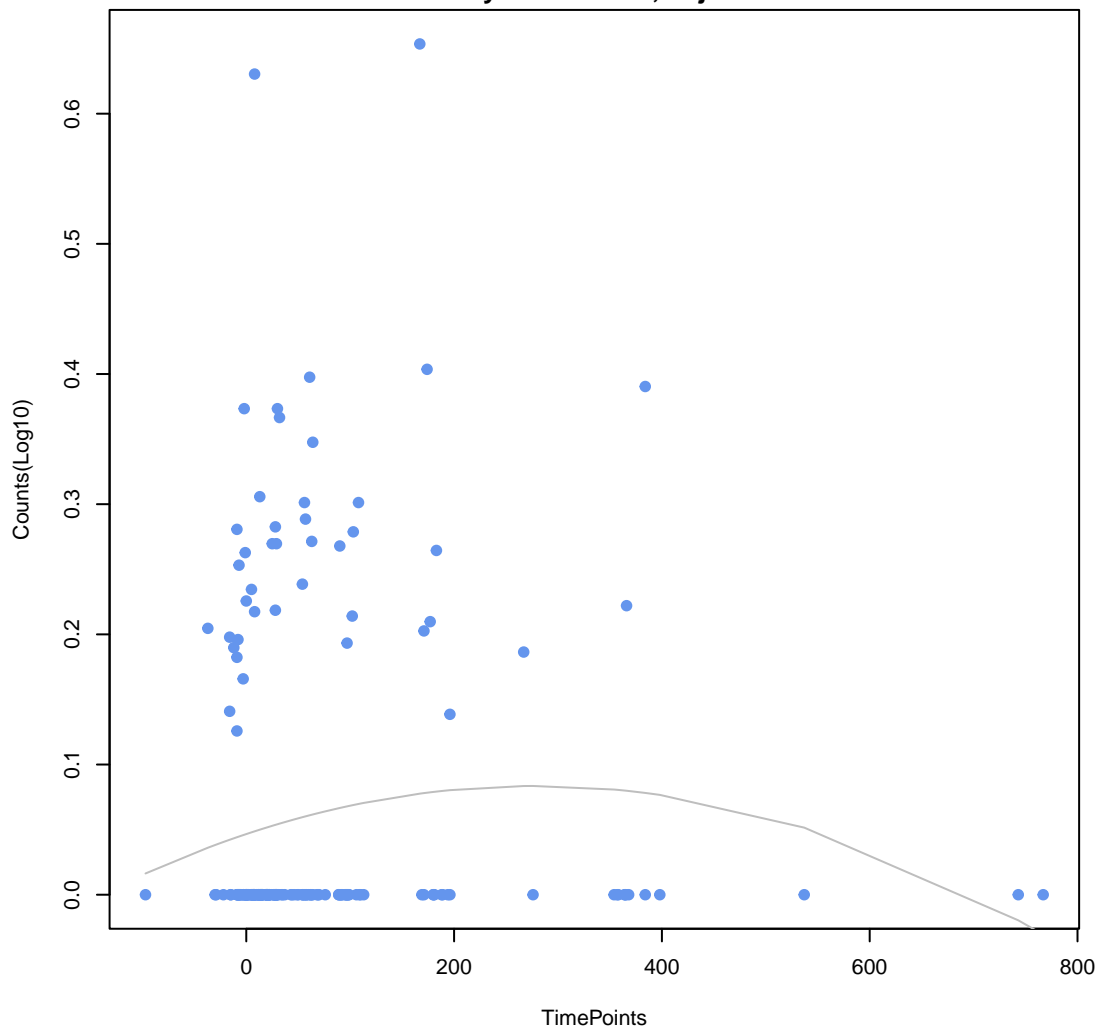
H-NS

ANOVA P=0.229, adj. ANOVA-P=0.653
Line vs. Poly F-P=0.153, adj. F-P=0.709



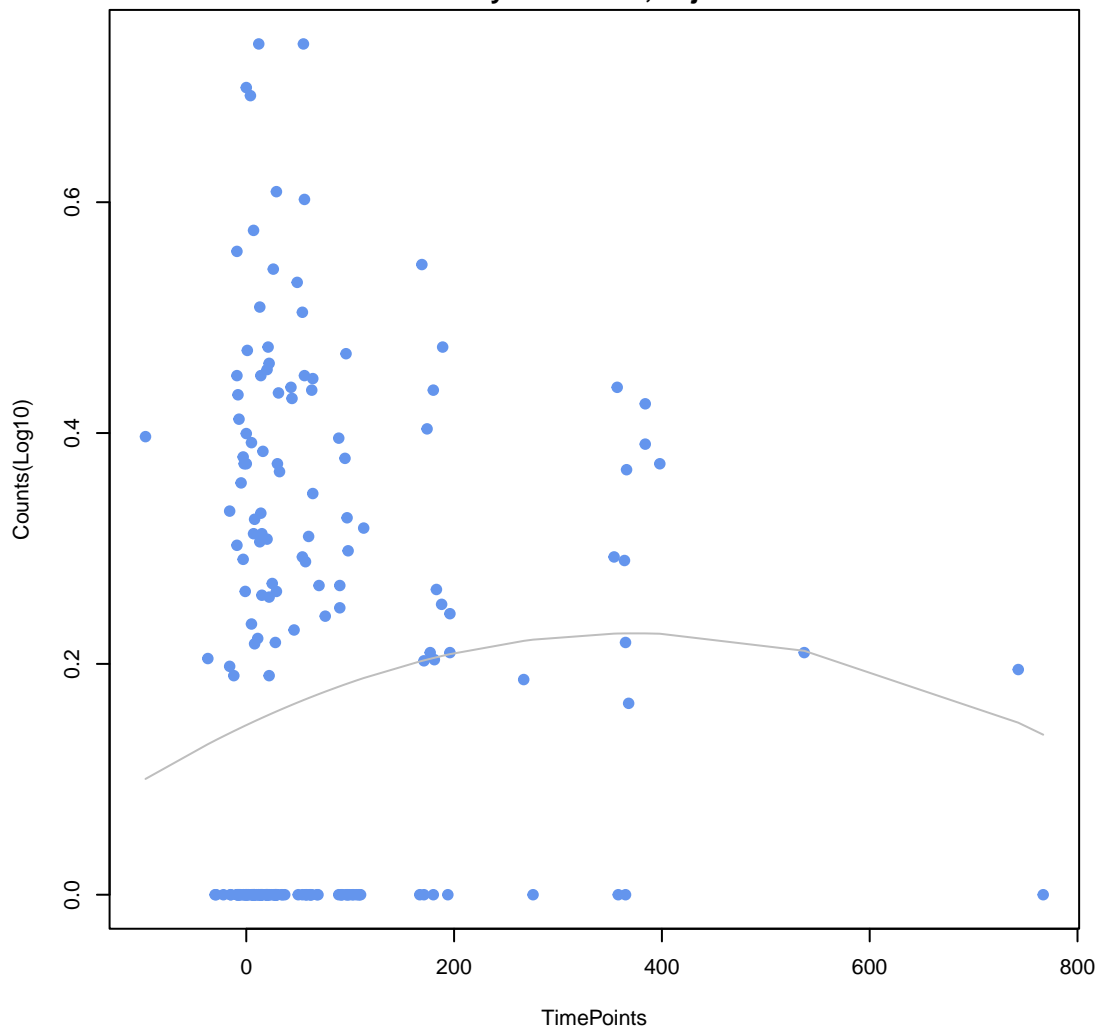
Escherichia coli GlpT with mutation conferring resistance to fosfomycin

ANOVA P=0.232, adj. ANOVA-P=0.653
Line vs. Poly F-P=0.0977, adj. F-P=0.697



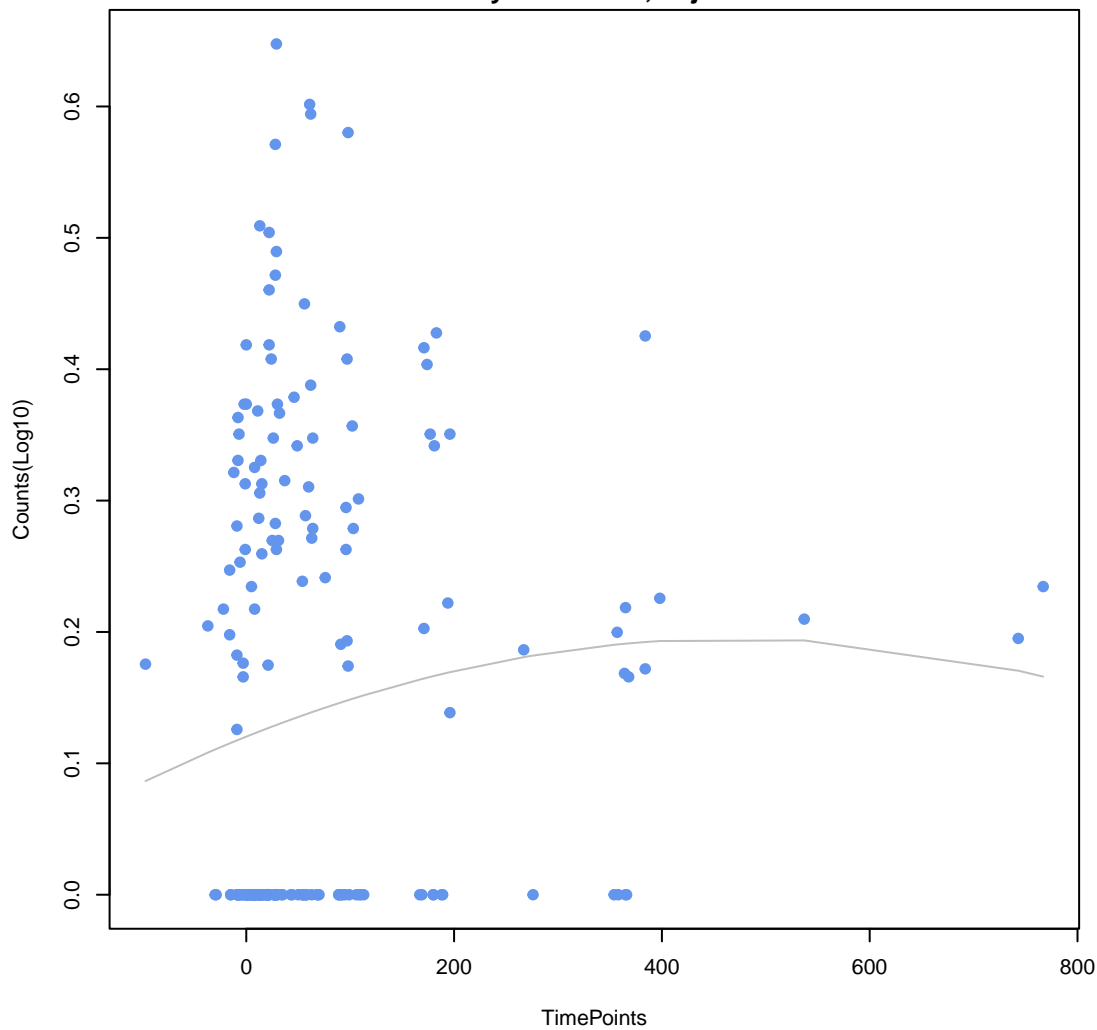
baeS

ANOVA P=0.233, adj. ANOVA-P=0.653
Line vs. Poly F-P=0.237, adj. F-P=0.765



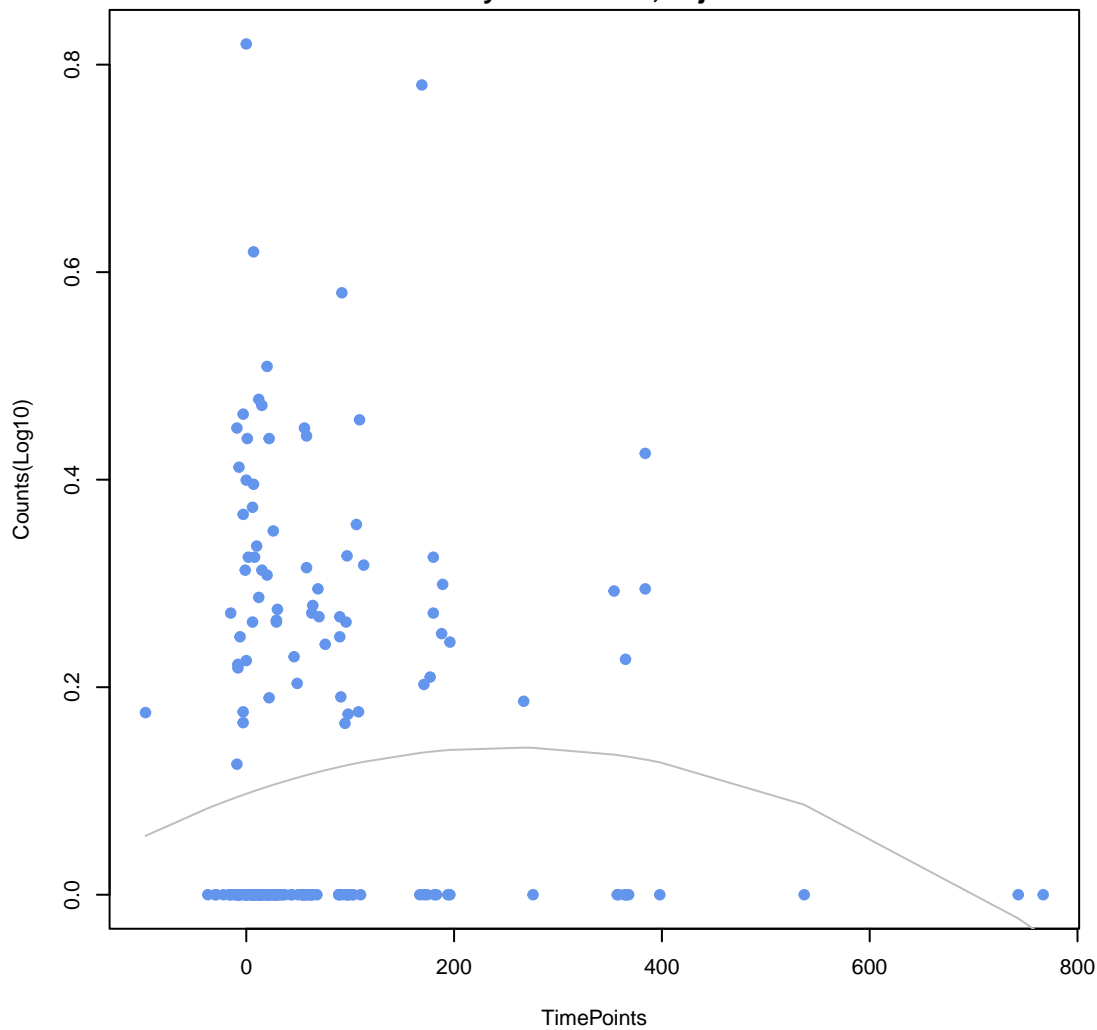
emrR

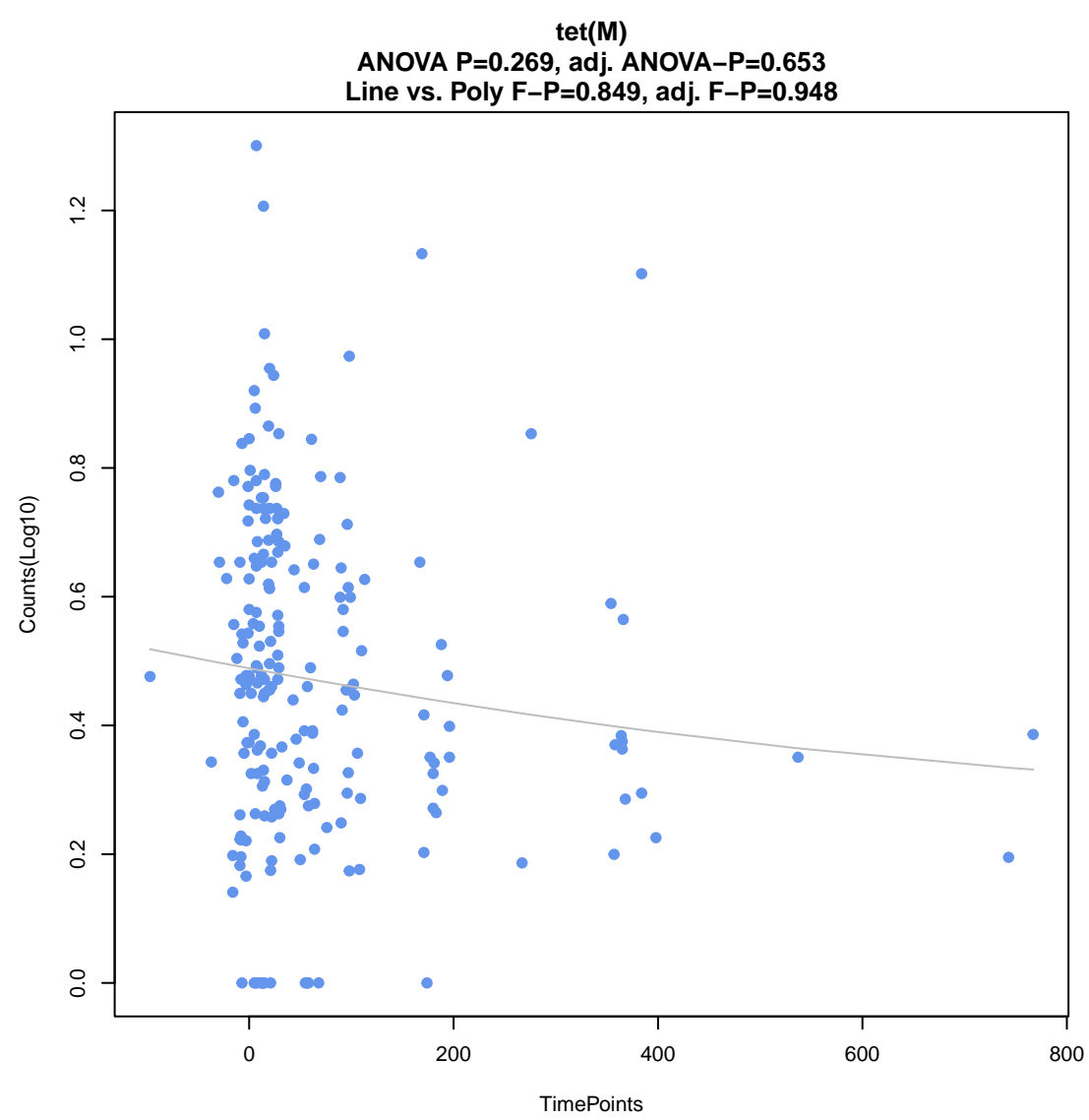
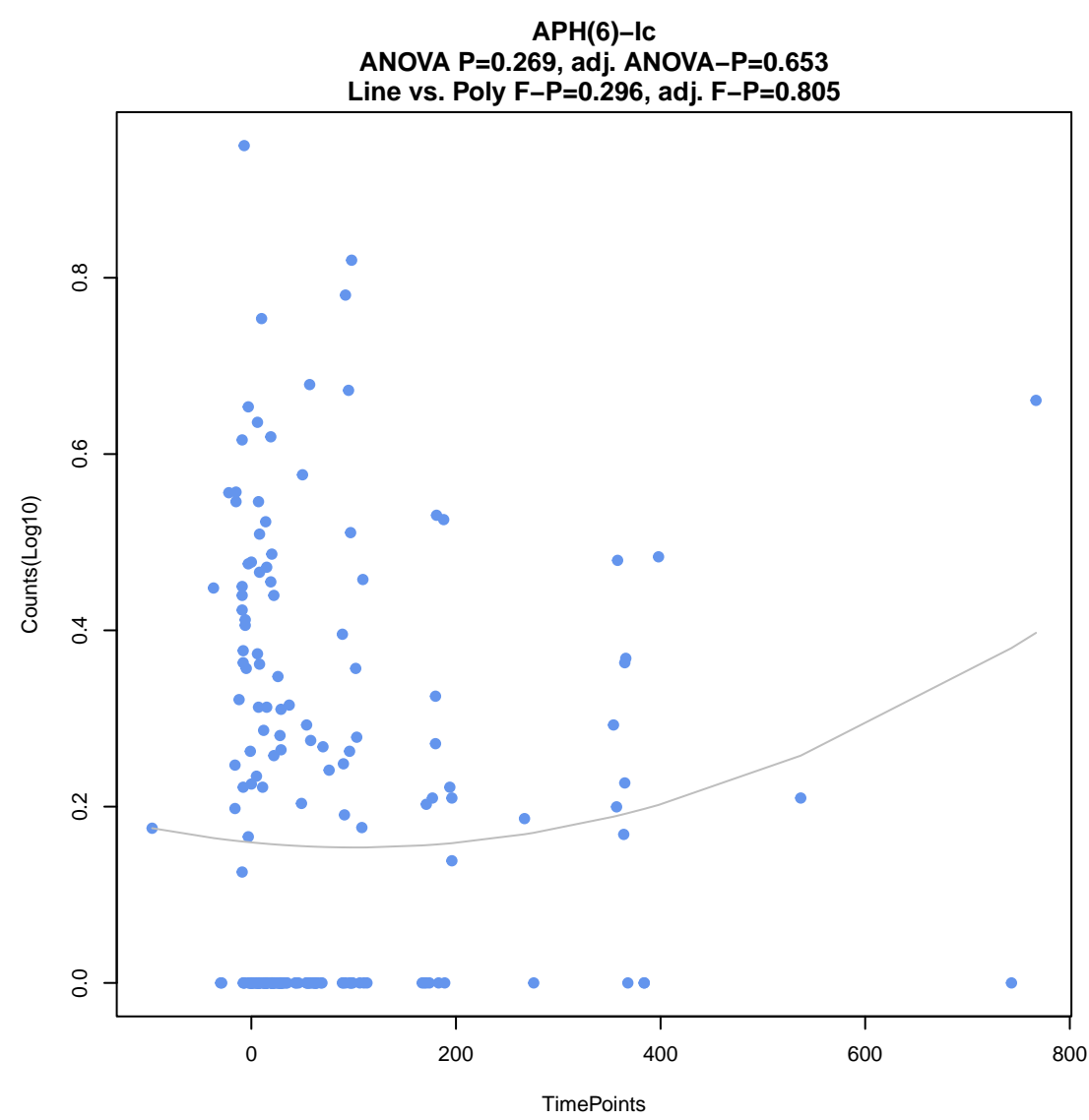
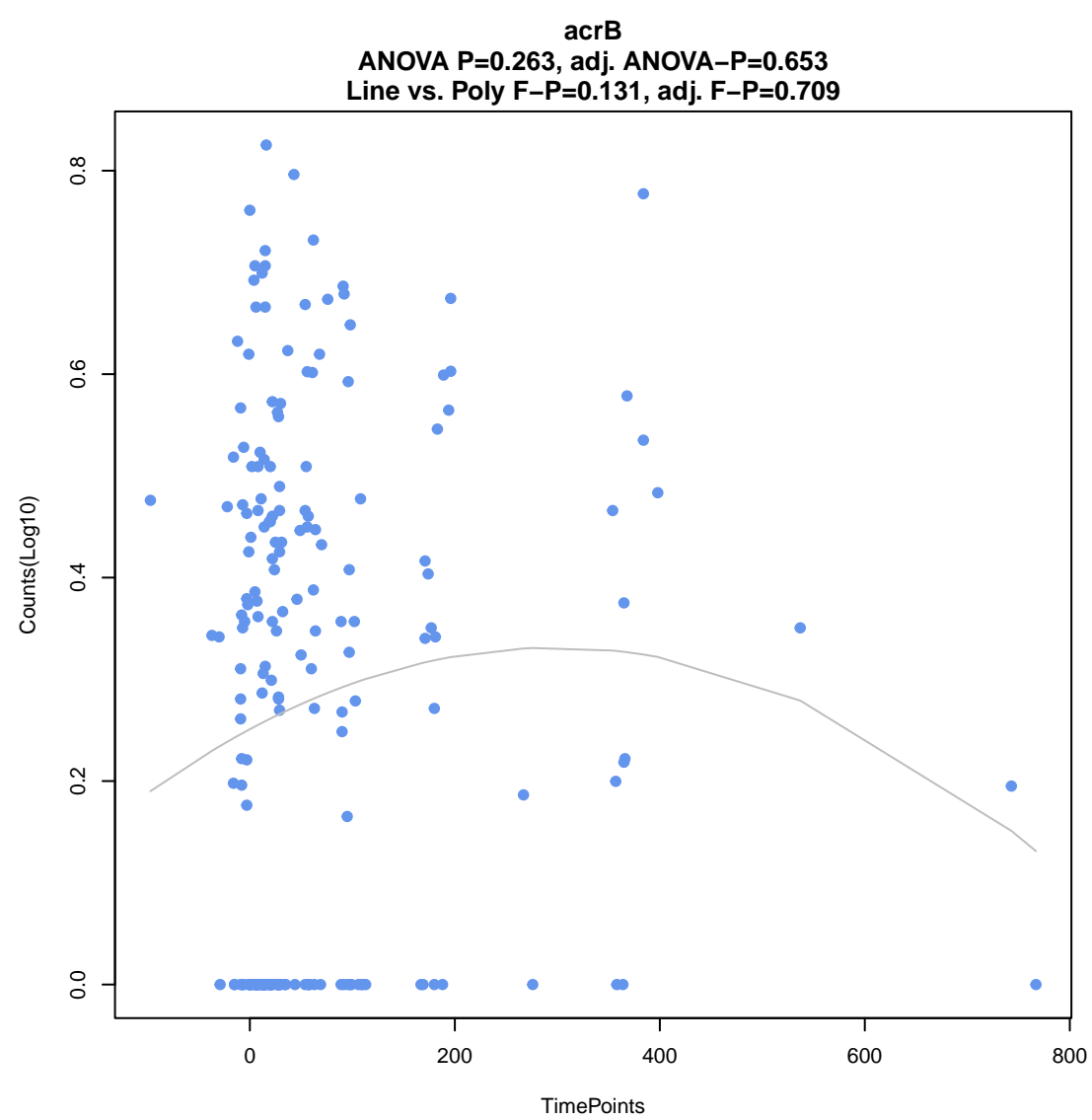
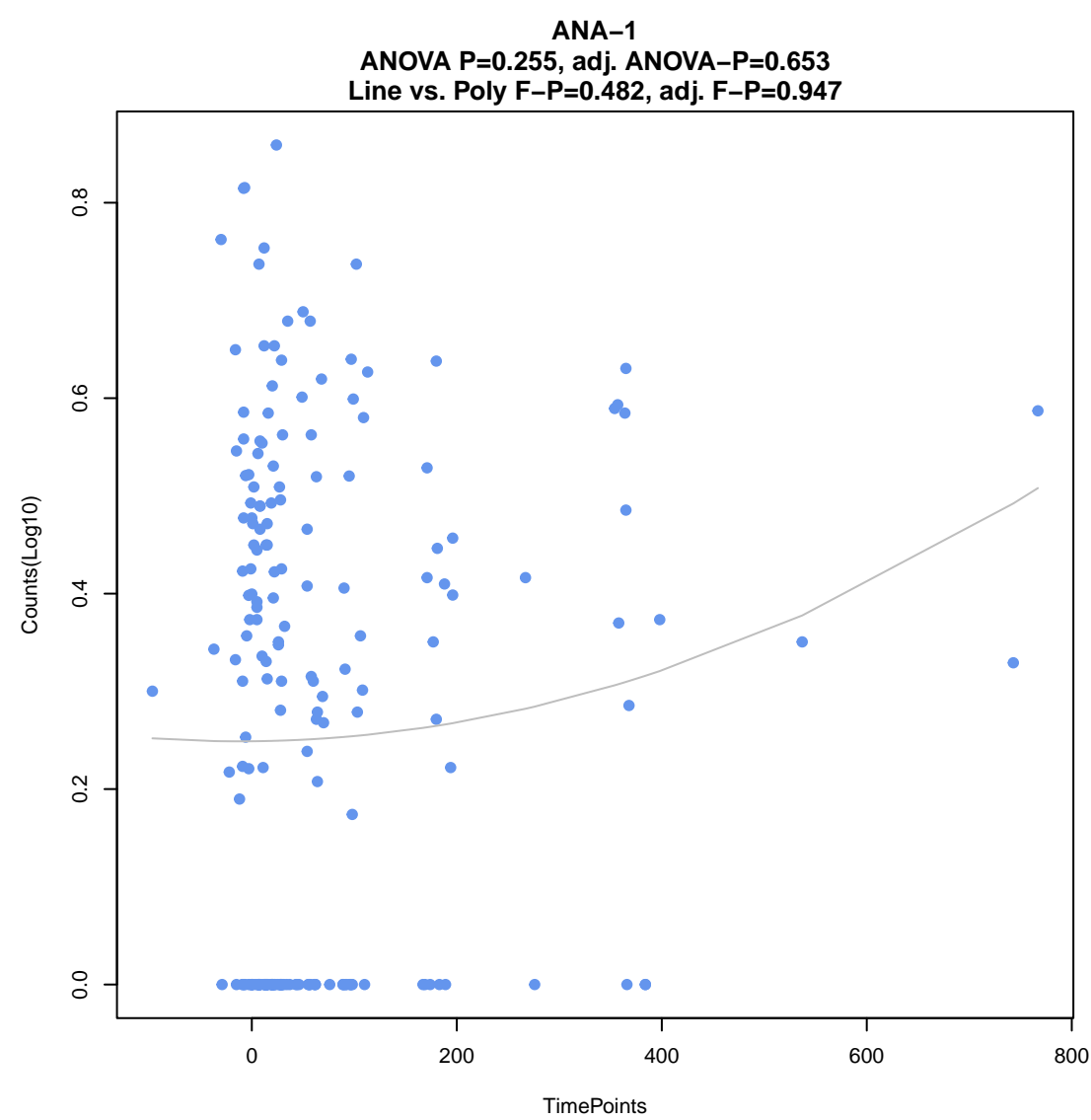
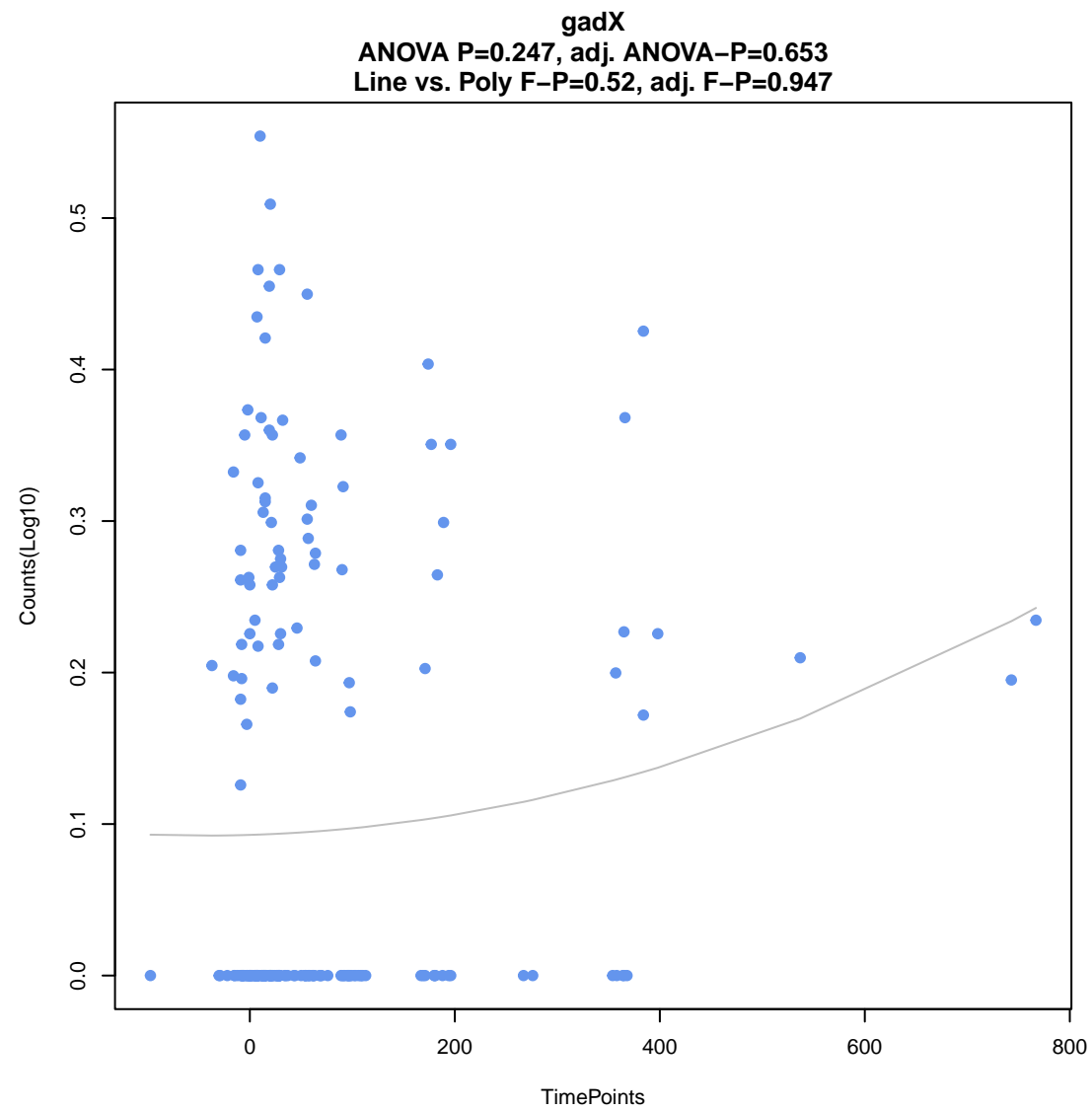
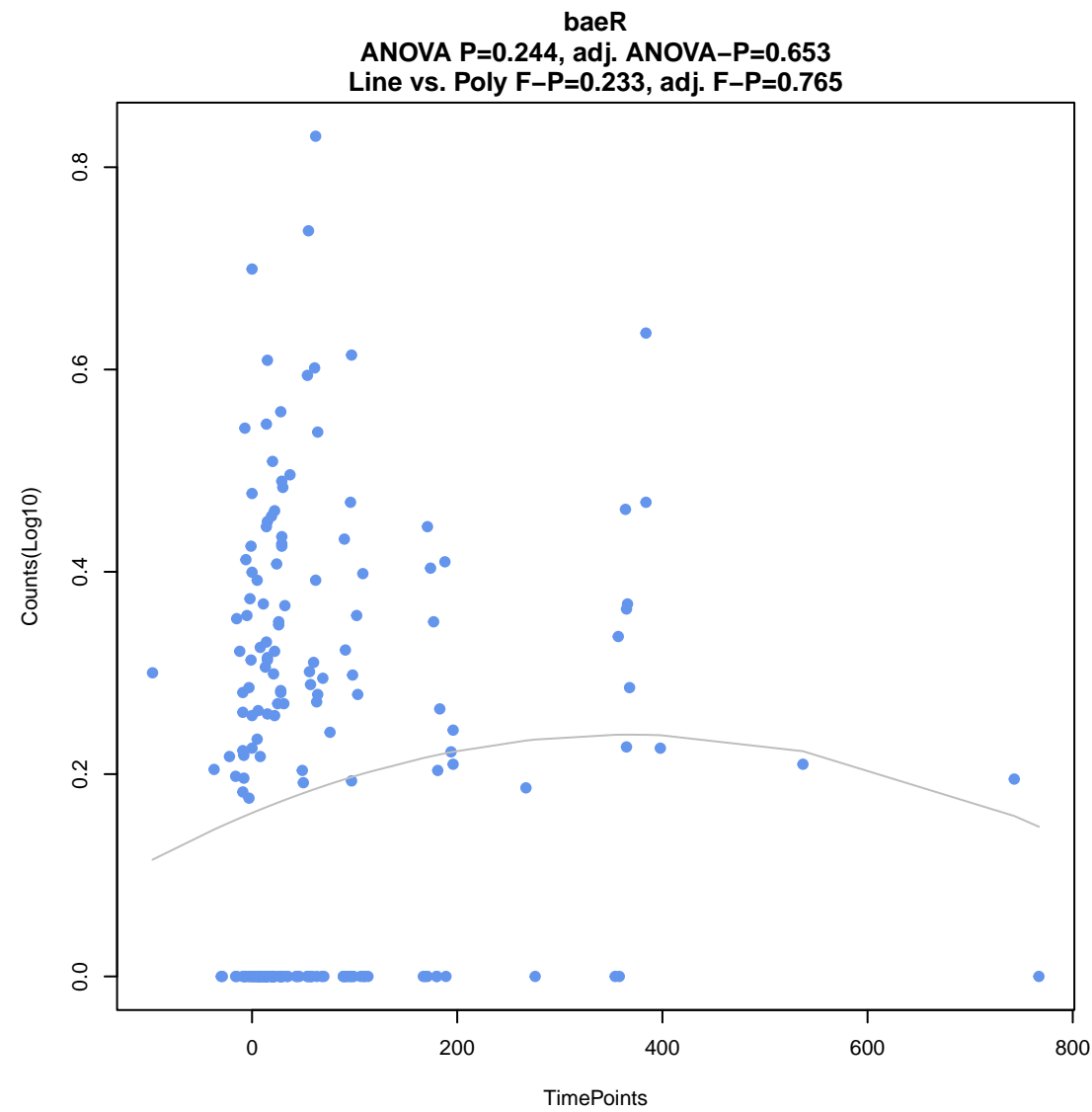
ANOVA P=0.234, adj. ANOVA-P=0.653
Line vs. Poly F-P=0.419, adj. F-P=0.933

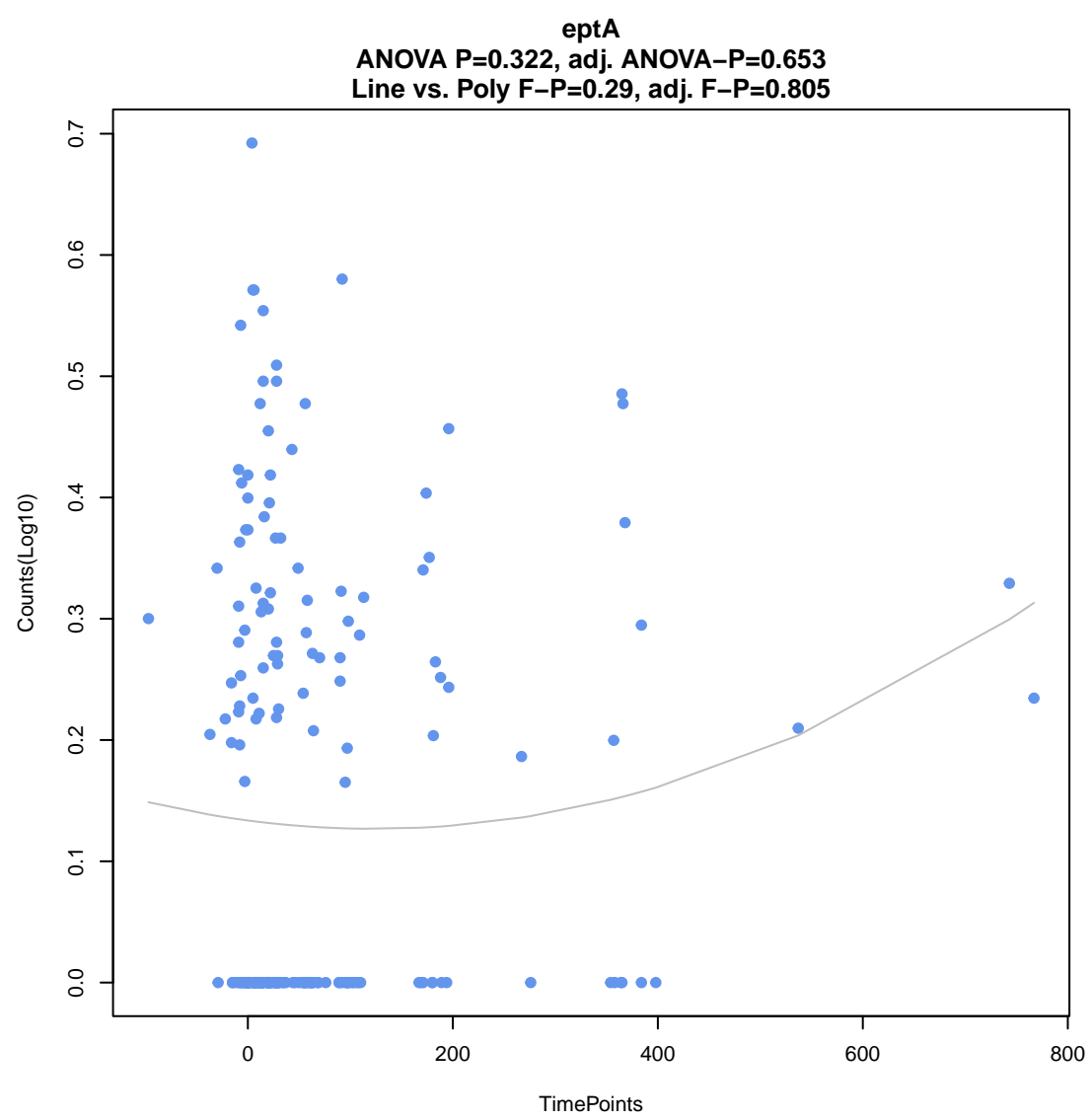
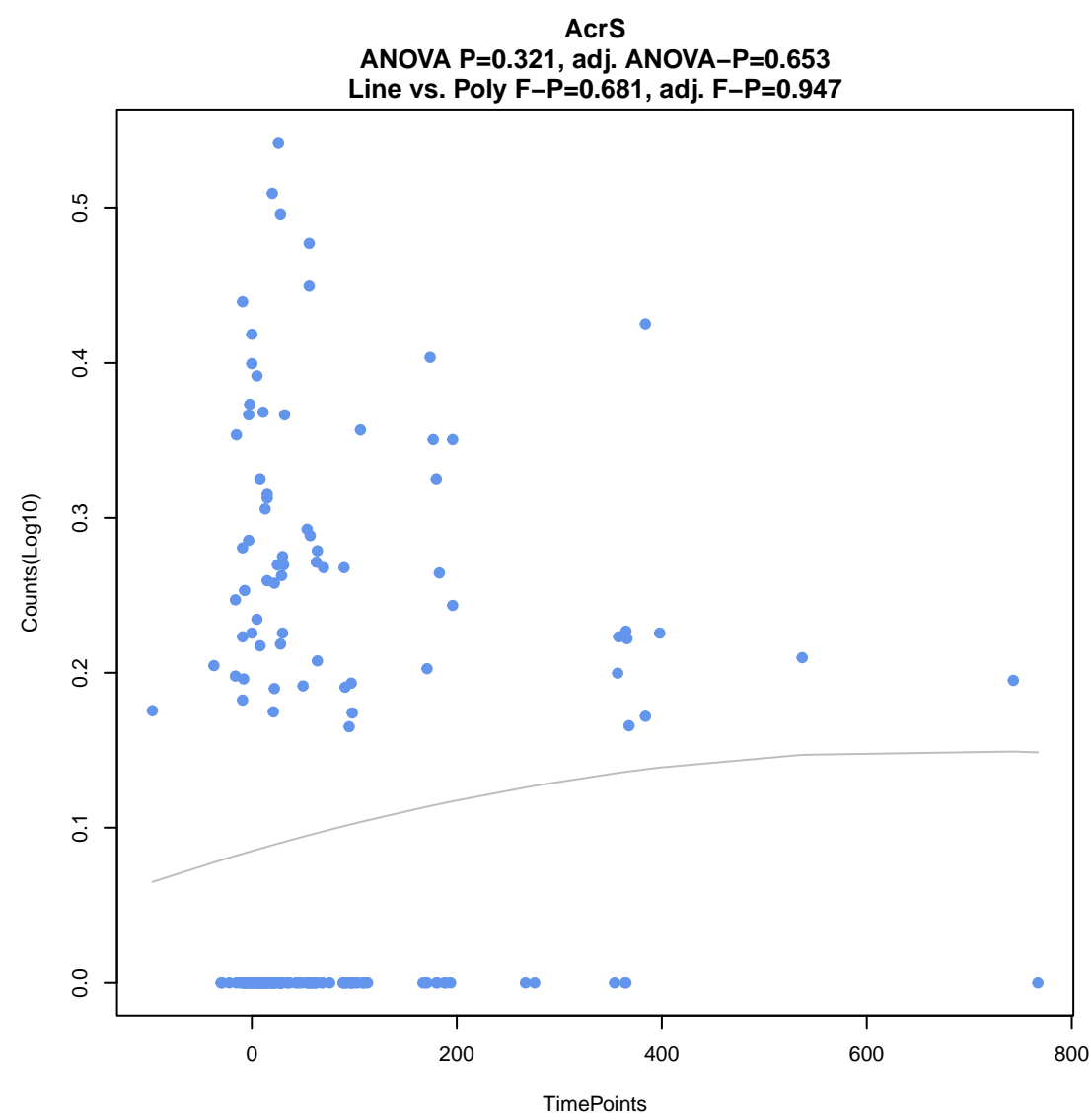
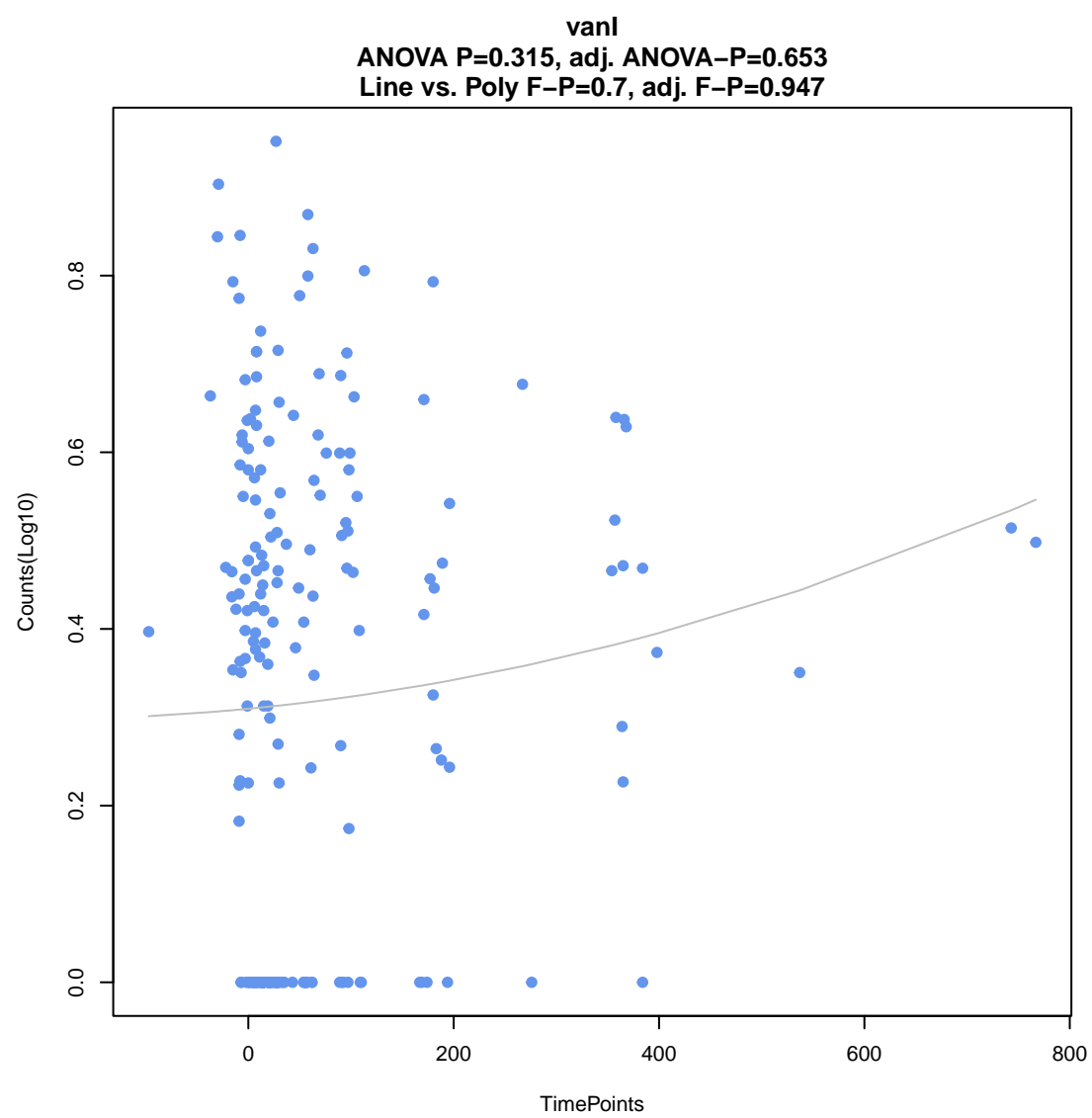
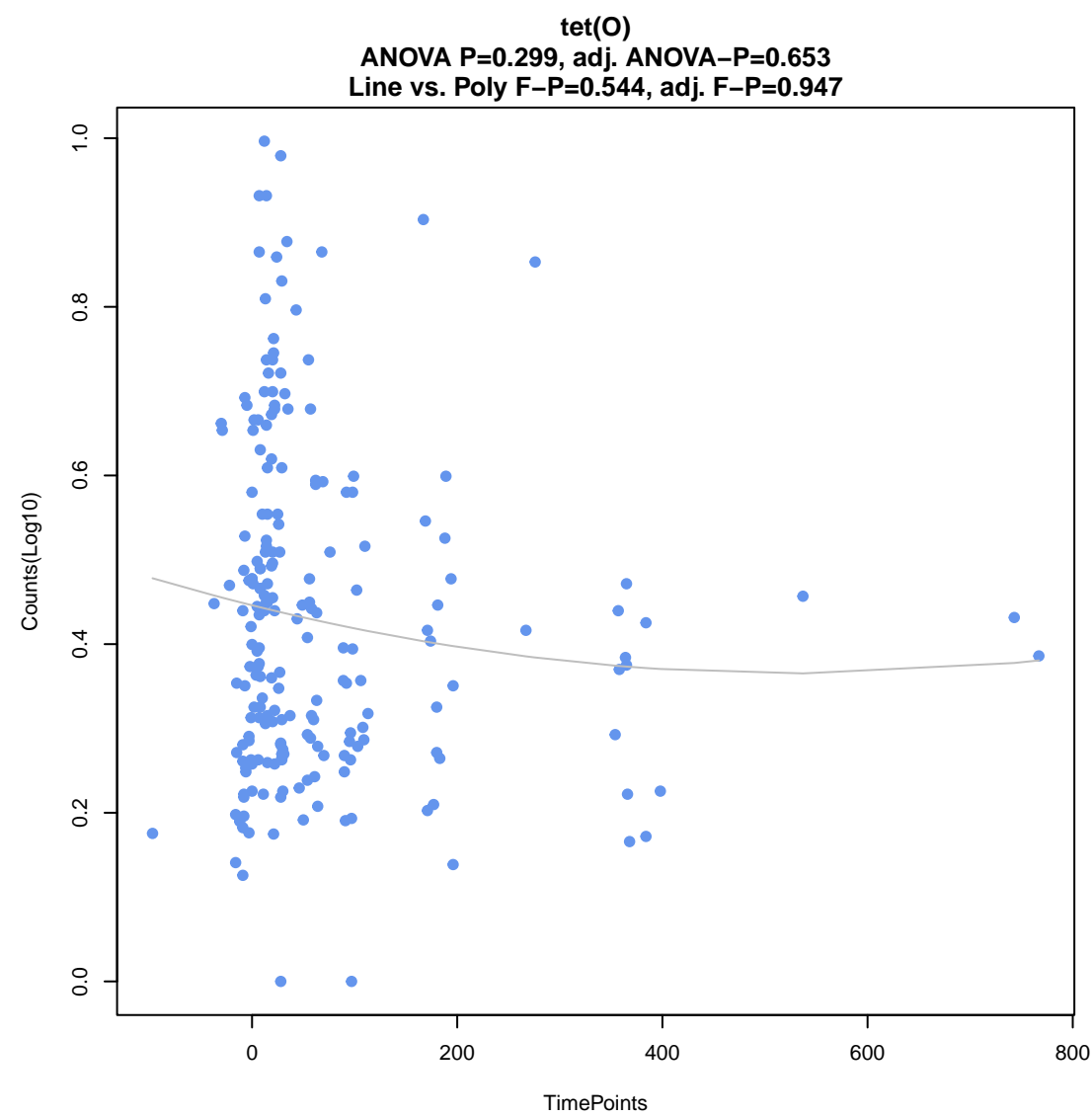
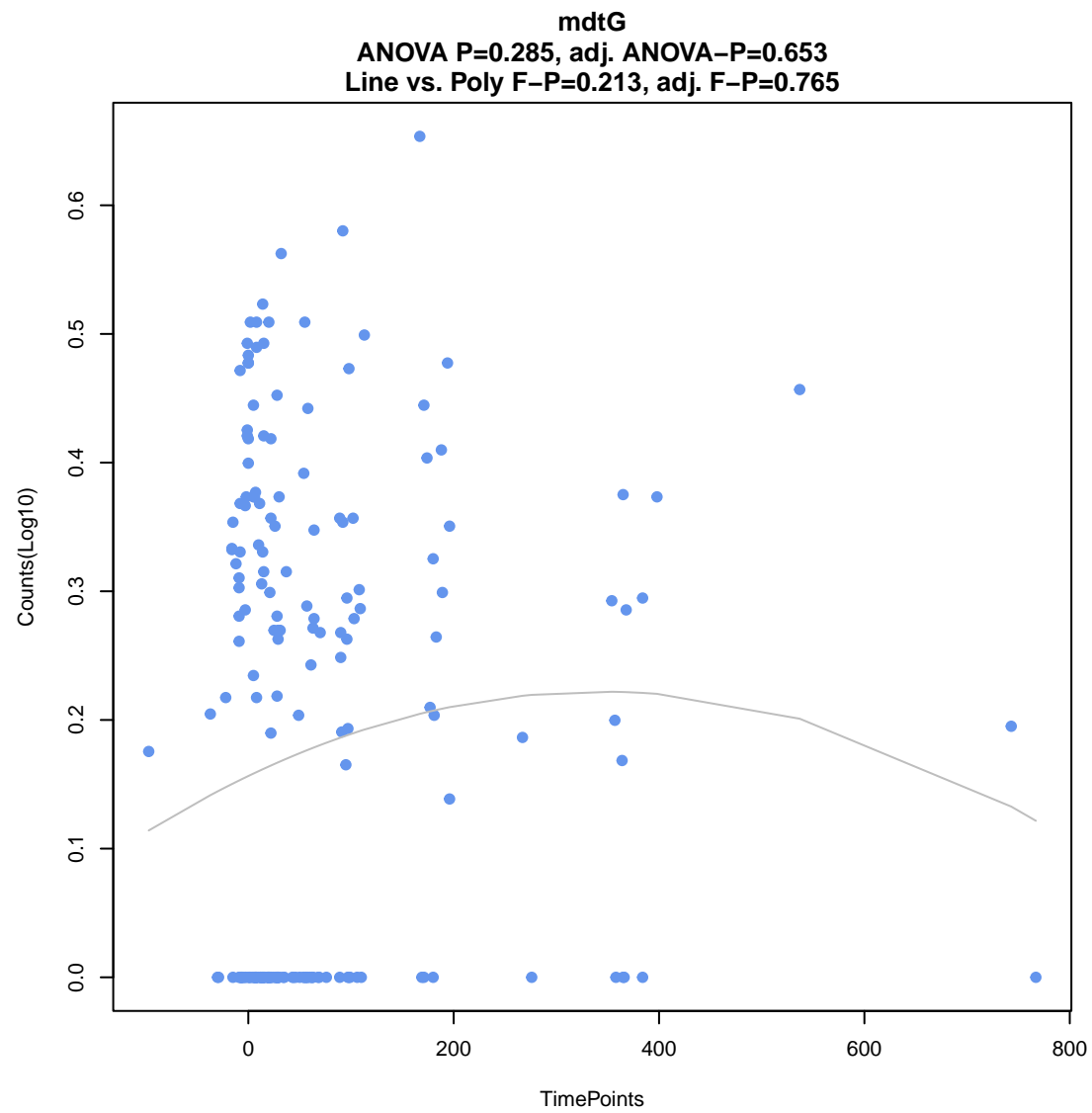
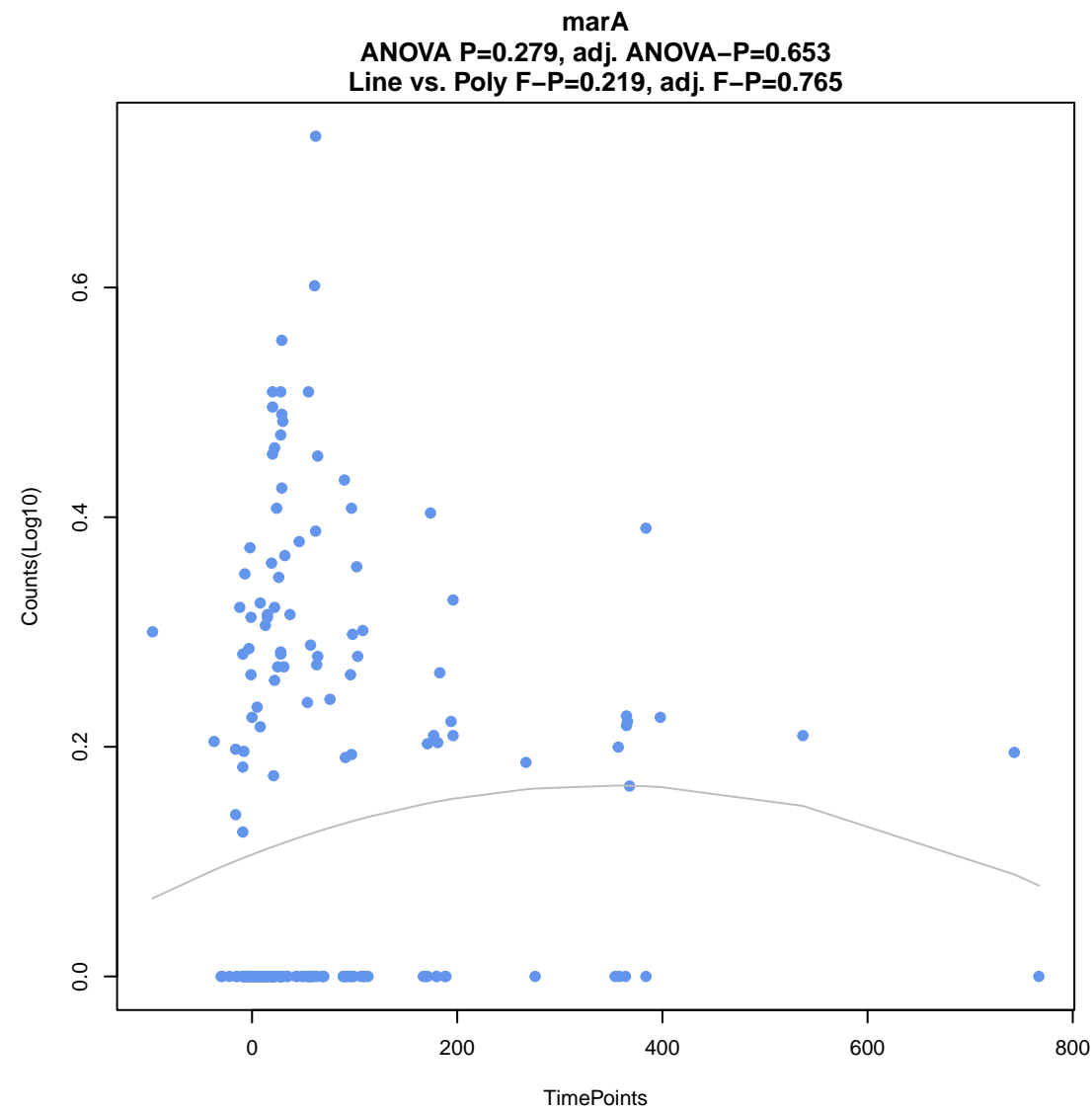


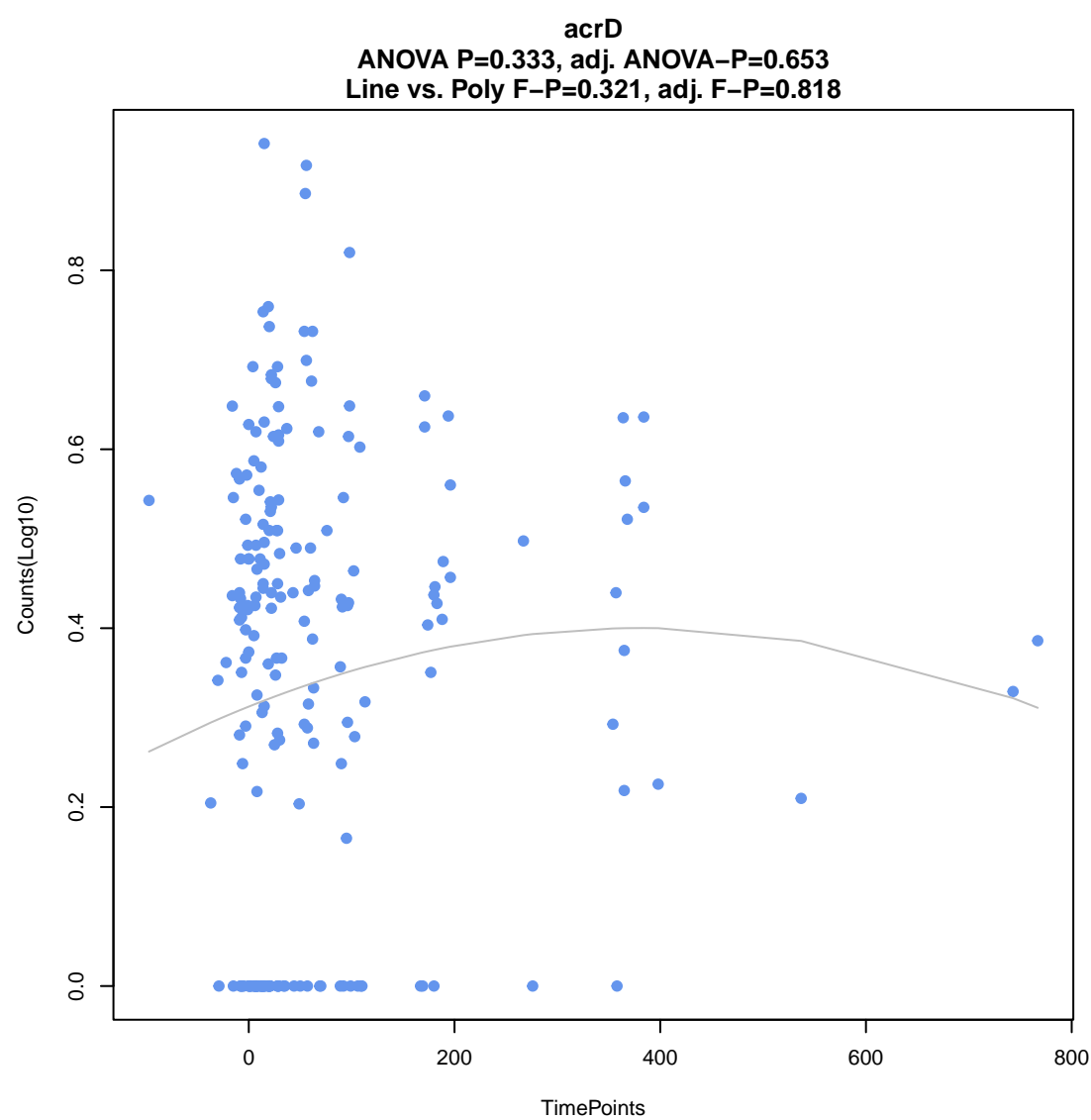
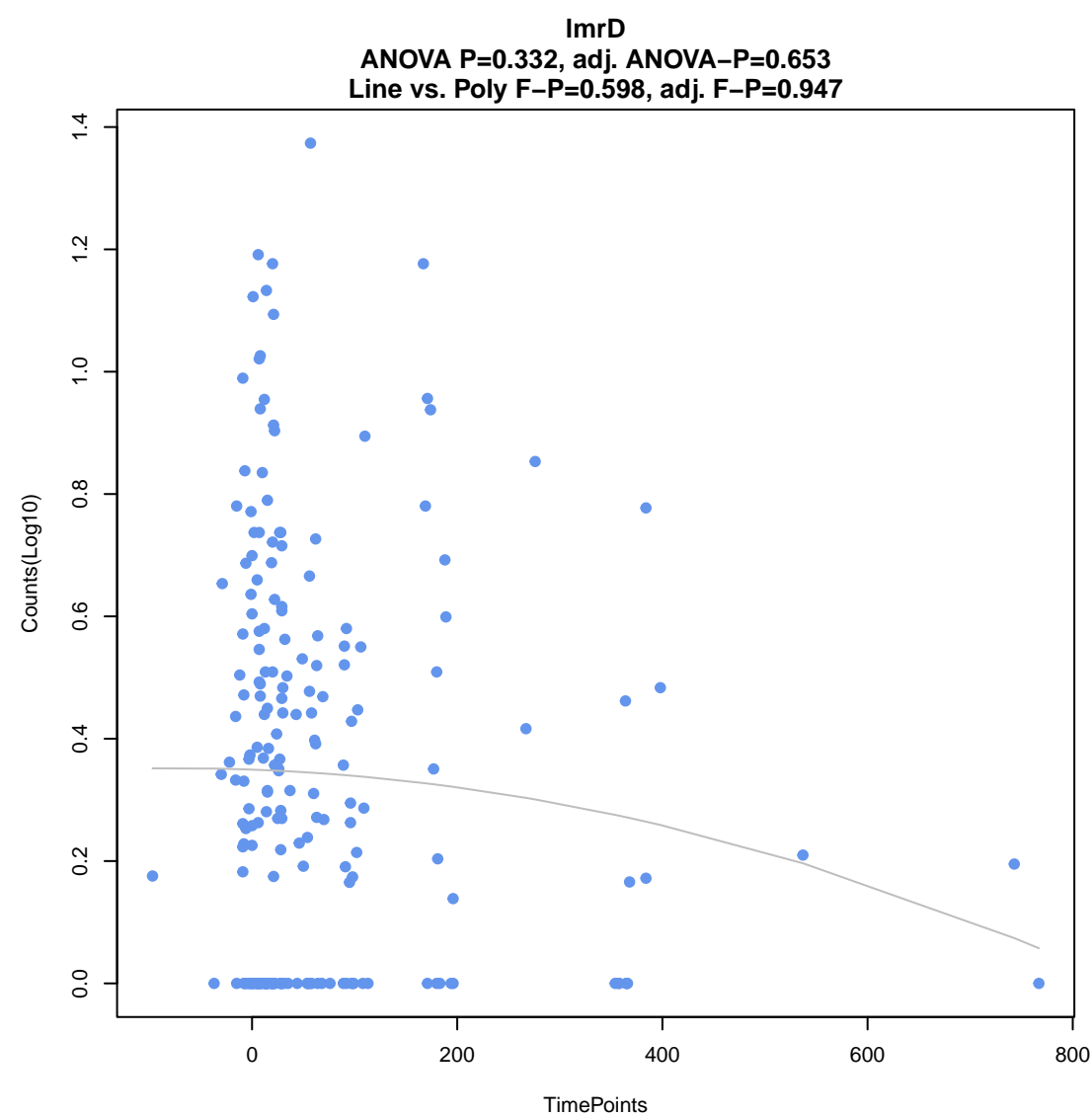
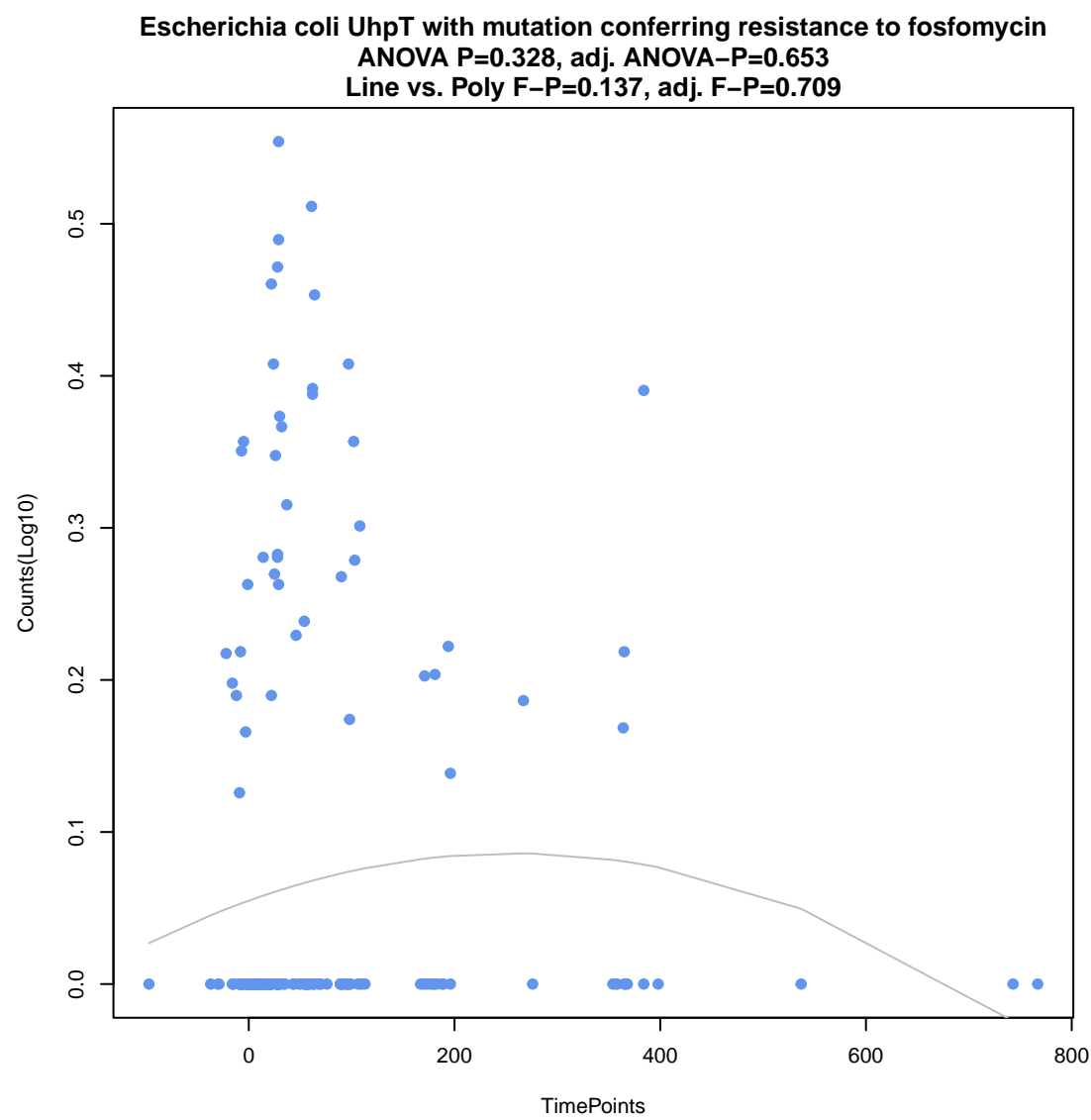
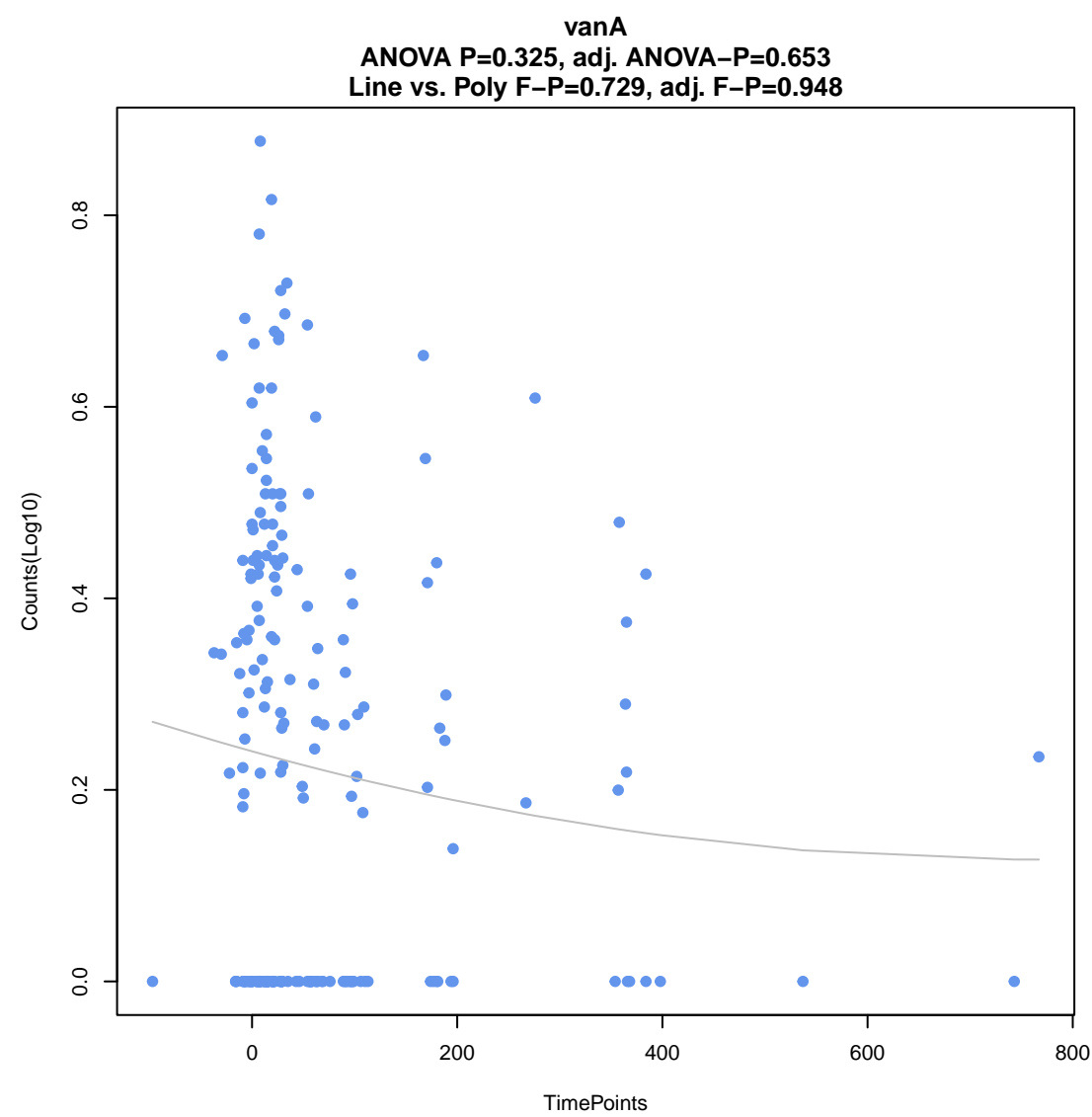
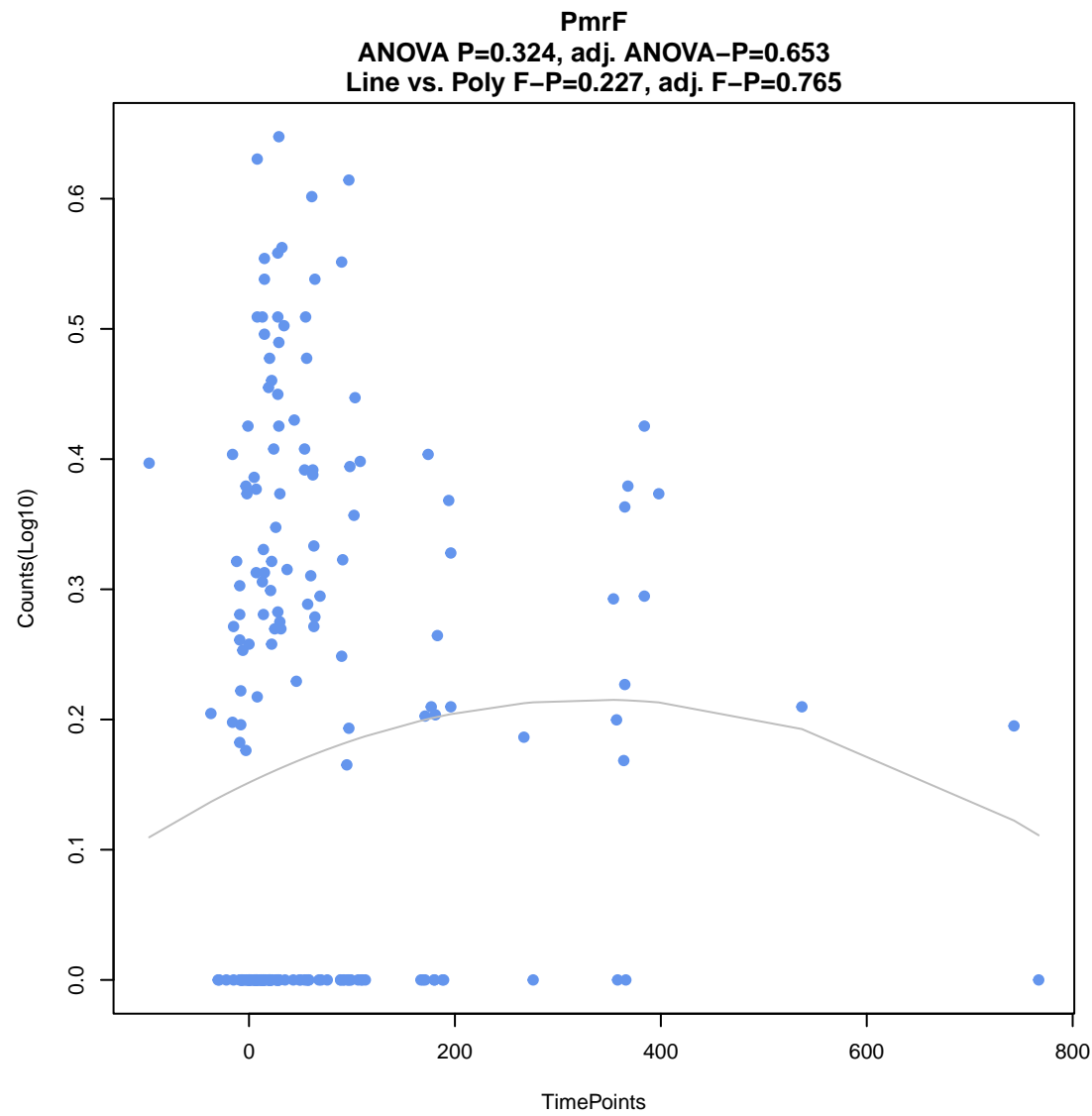
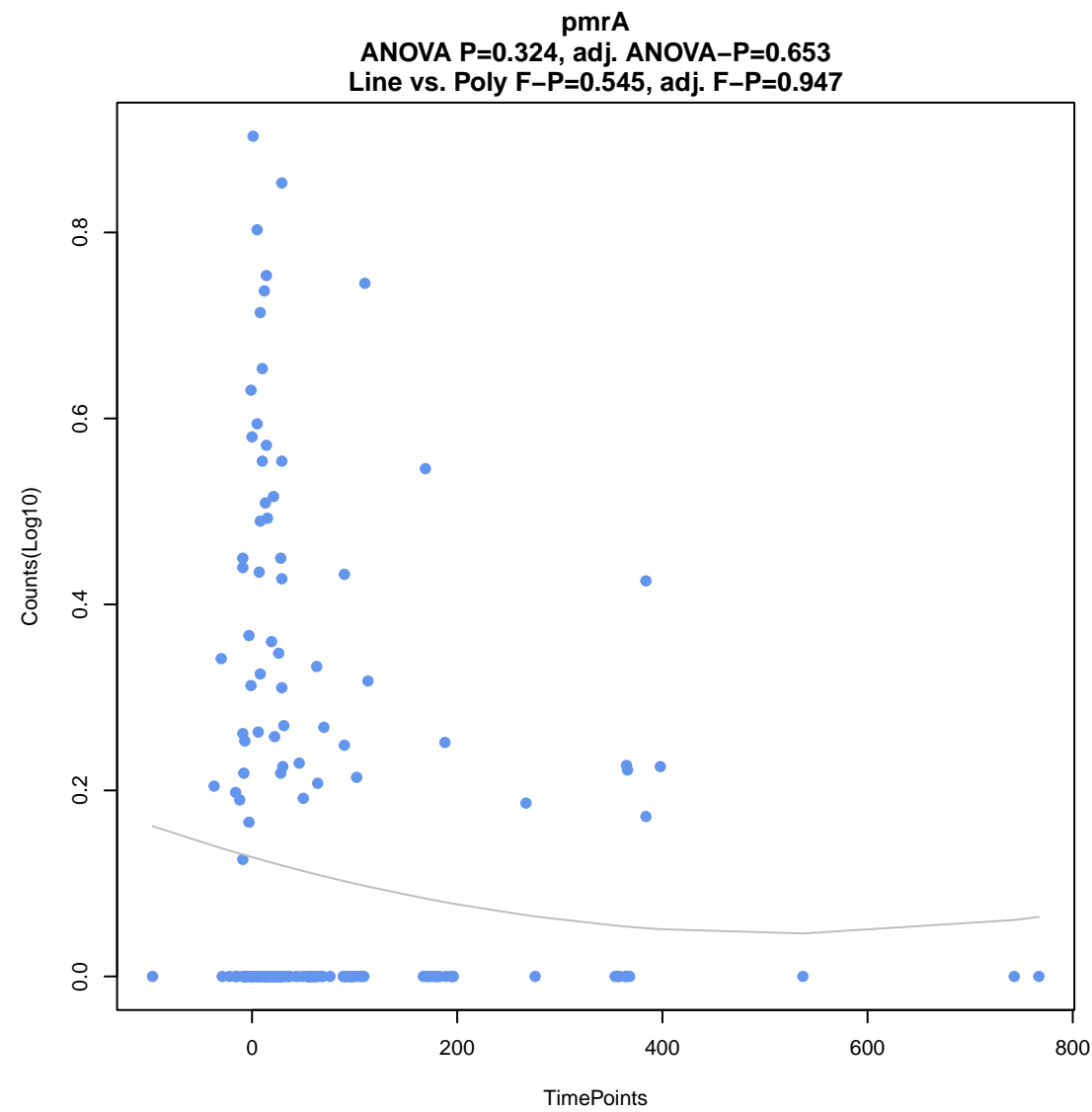
farB

ANOVA P=0.238, adj. ANOVA-P=0.653
Line vs. Poly F-P=0.0905, adj. F-P=0.697



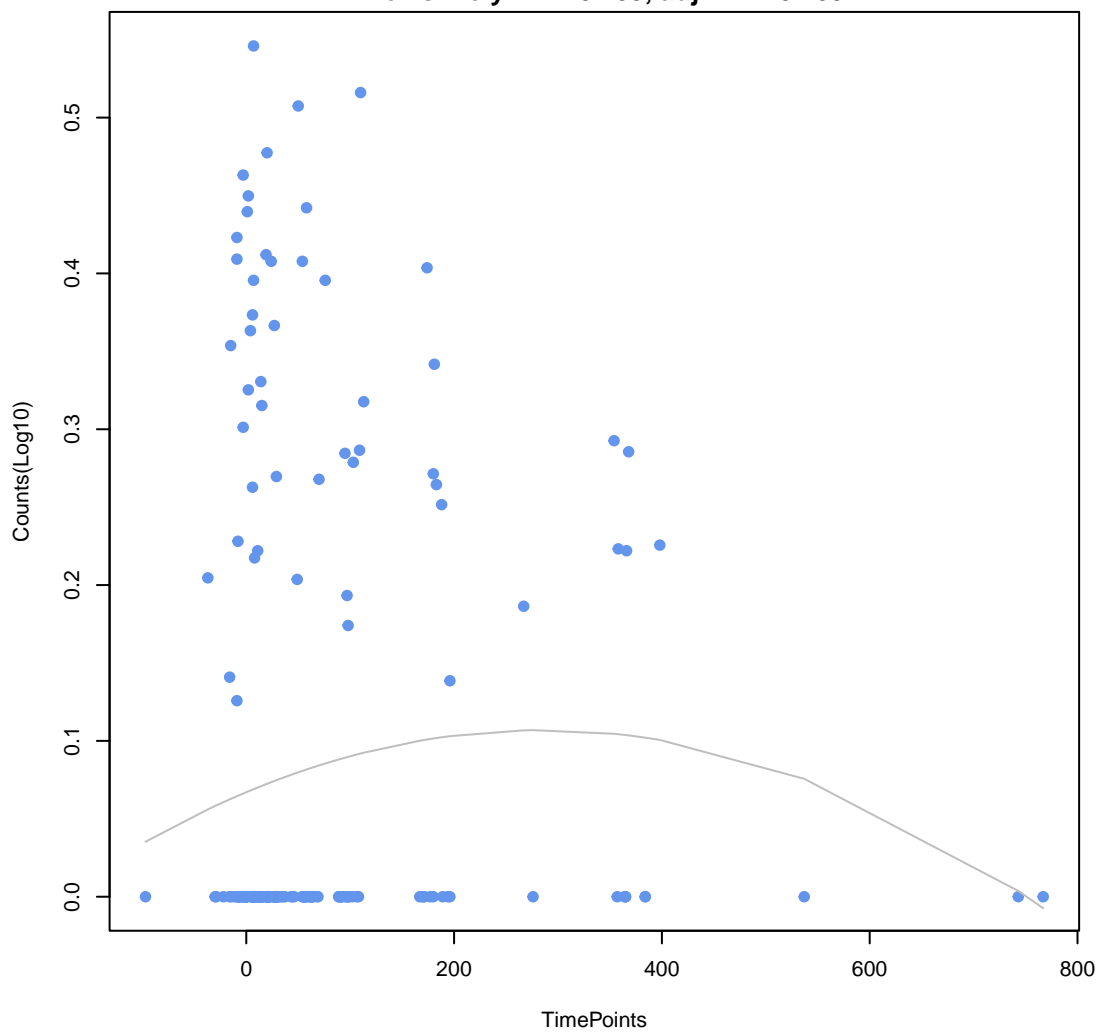






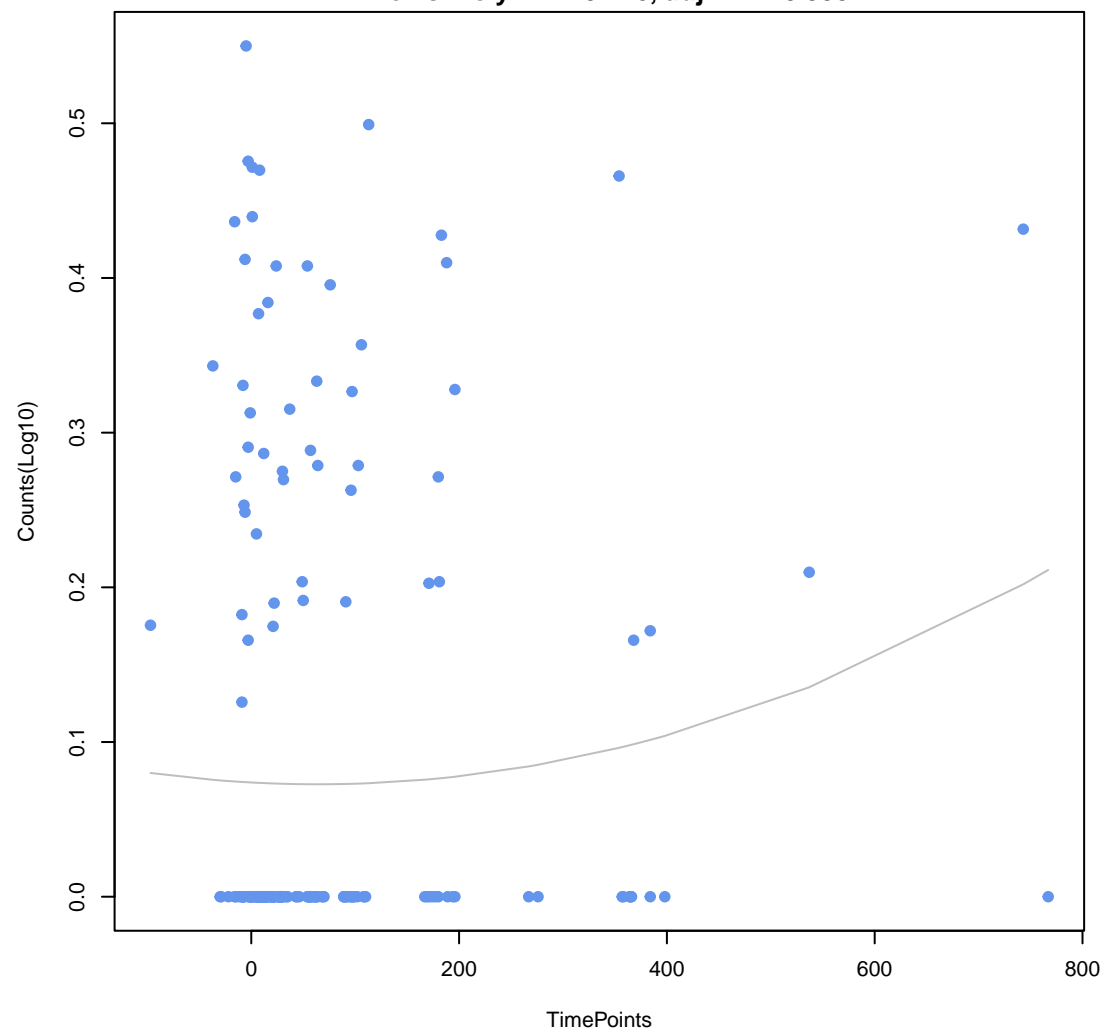
mtrD

ANOVA P=0.338, adj. ANOVA-P=0.653
Line vs. Poly F-P=0.159, adj. F-P=0.709



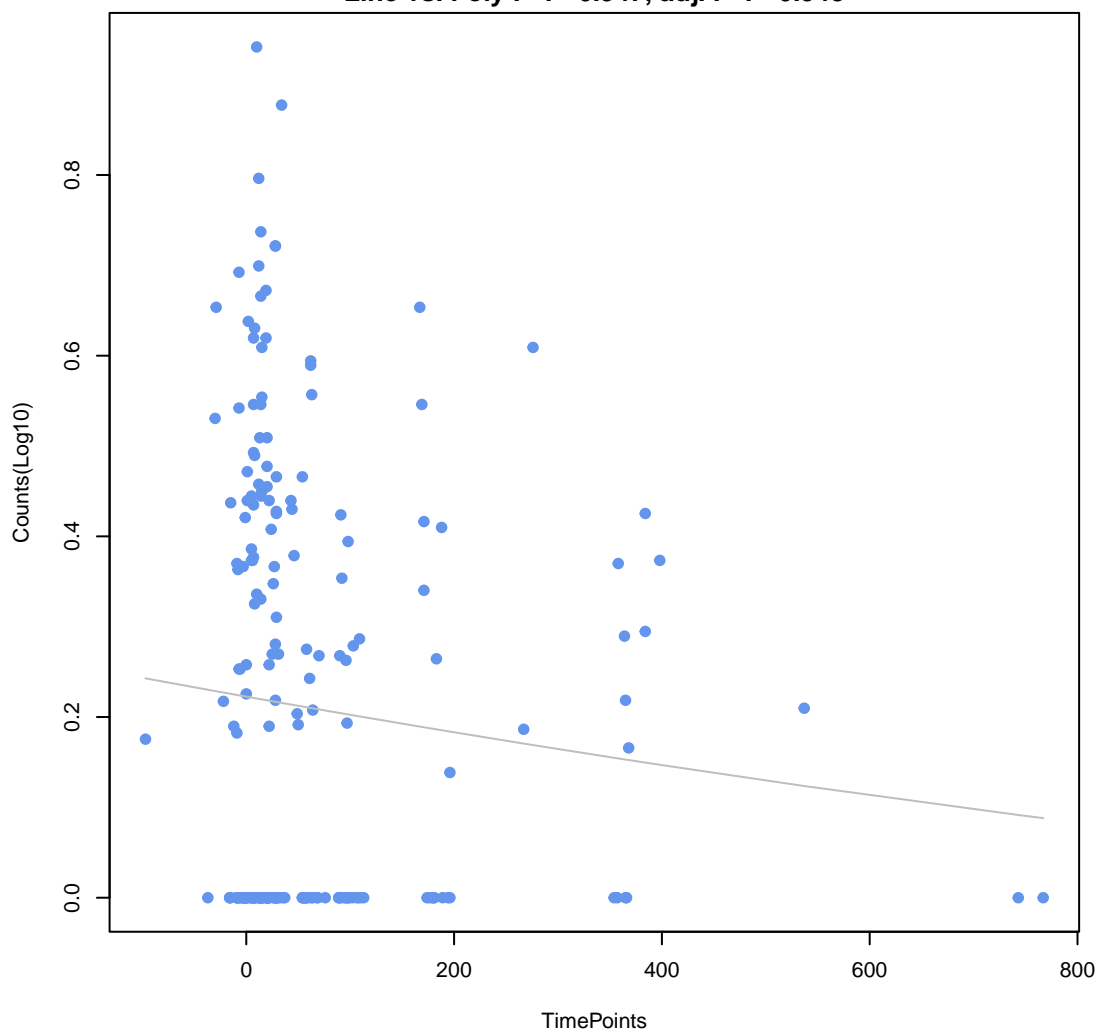
SHV-43

ANOVA P=0.342, adj. ANOVA-P=0.653
Line vs. Poly F-P=0.416, adj. F-P=0.933



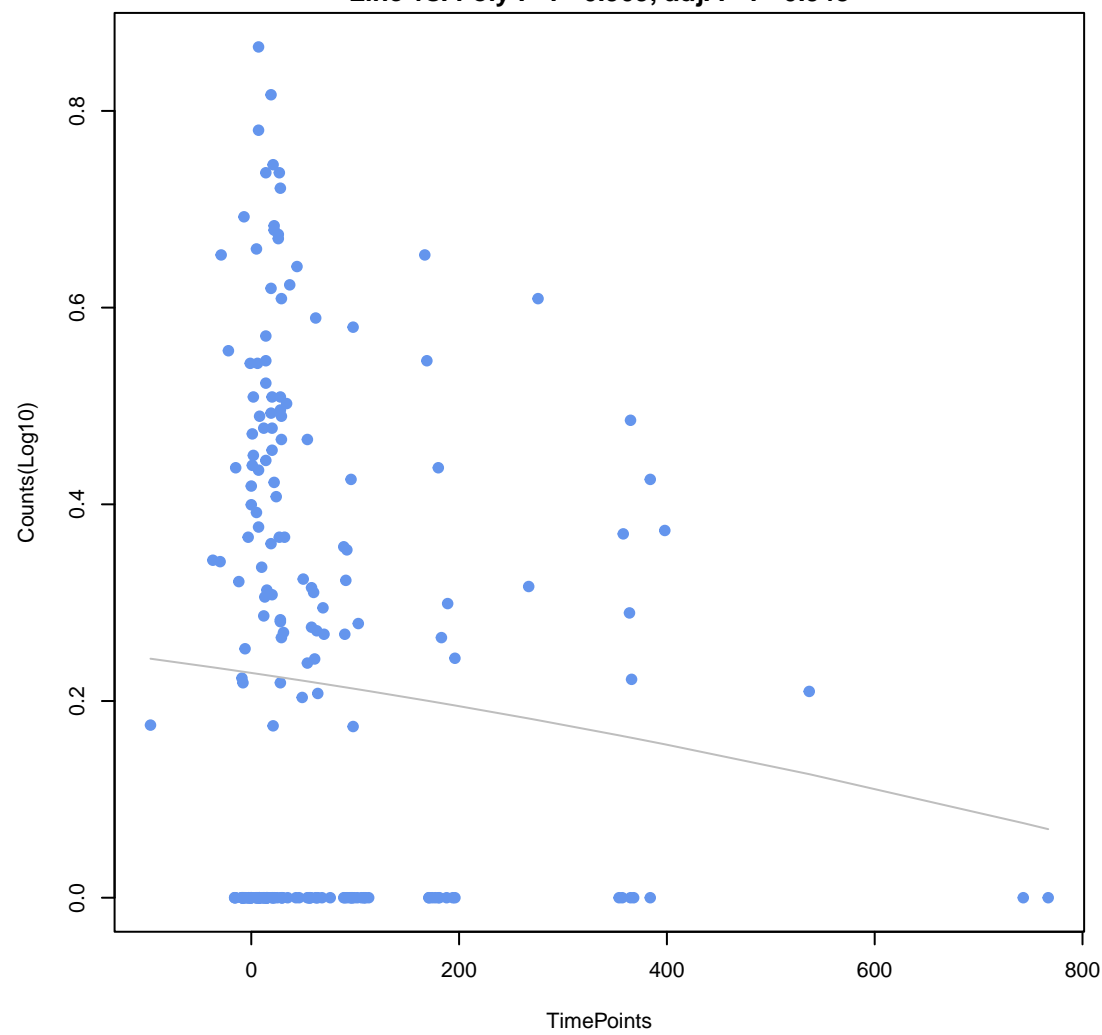
msrC

ANOVA P=0.415, adj. ANOVA-P=0.761
Line vs. Poly F-P=0.947, adj. F-P=0.948



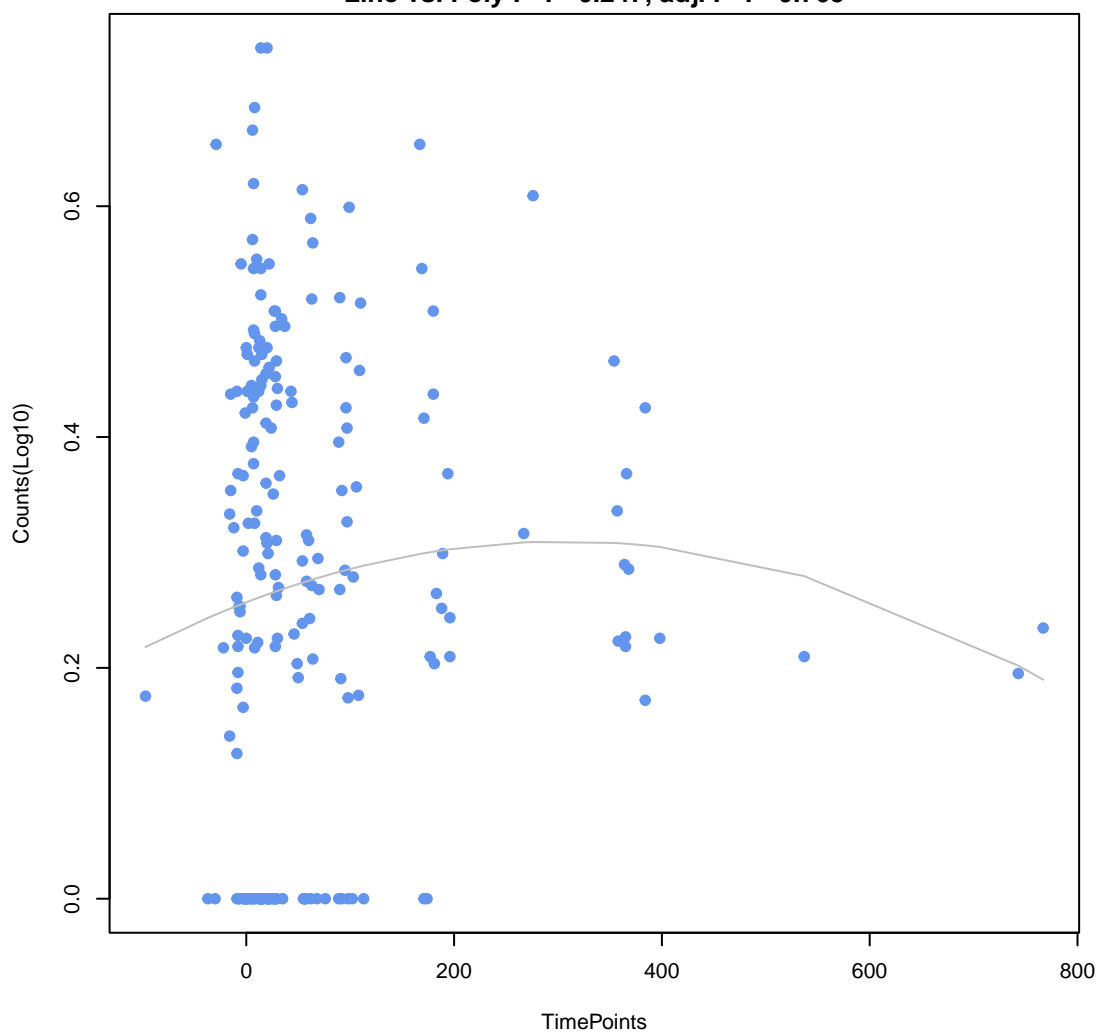
vanS gene in vanA cluster

ANOVA P=0.416, adj. ANOVA-P=0.761
Line vs. Poly F-P=0.909, adj. F-P=0.948



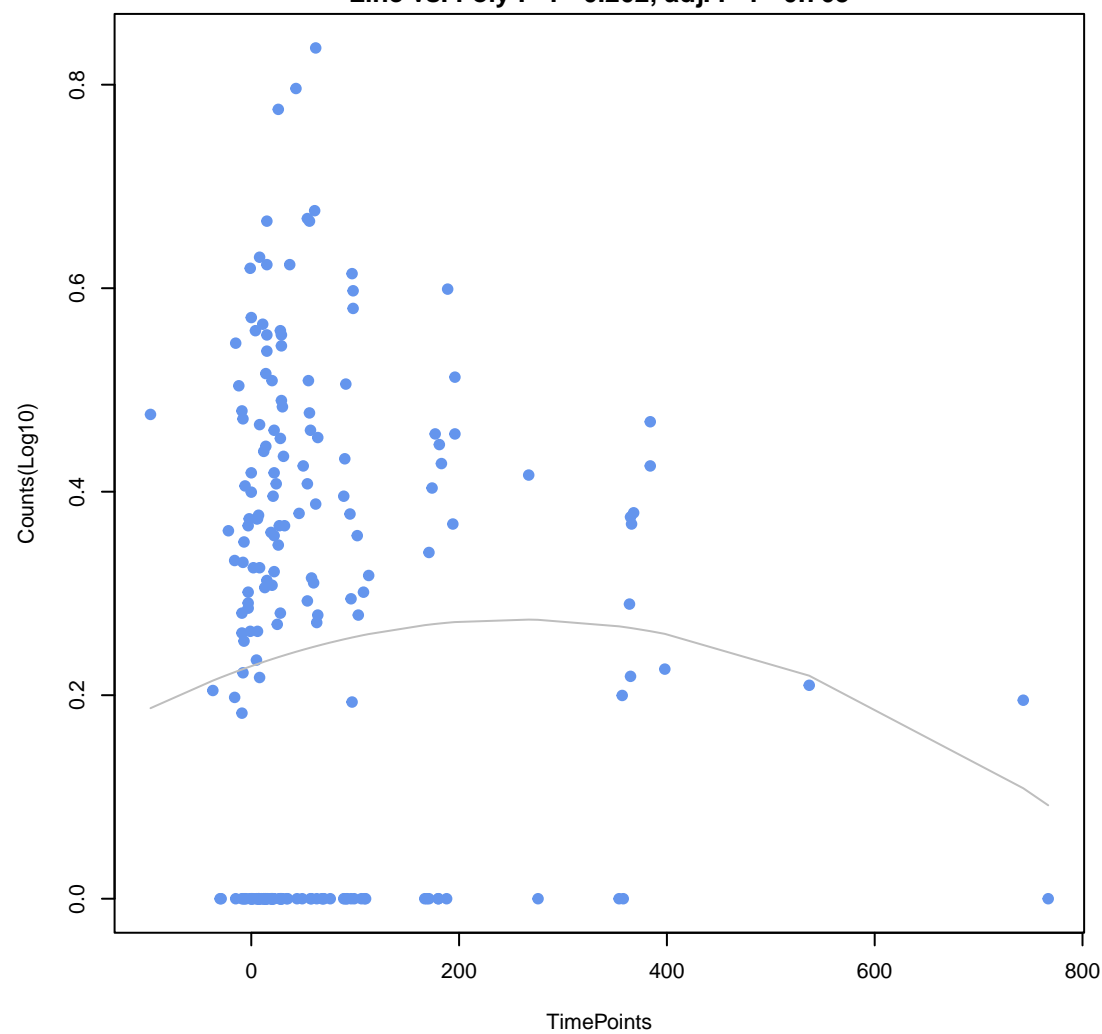
SAT-4

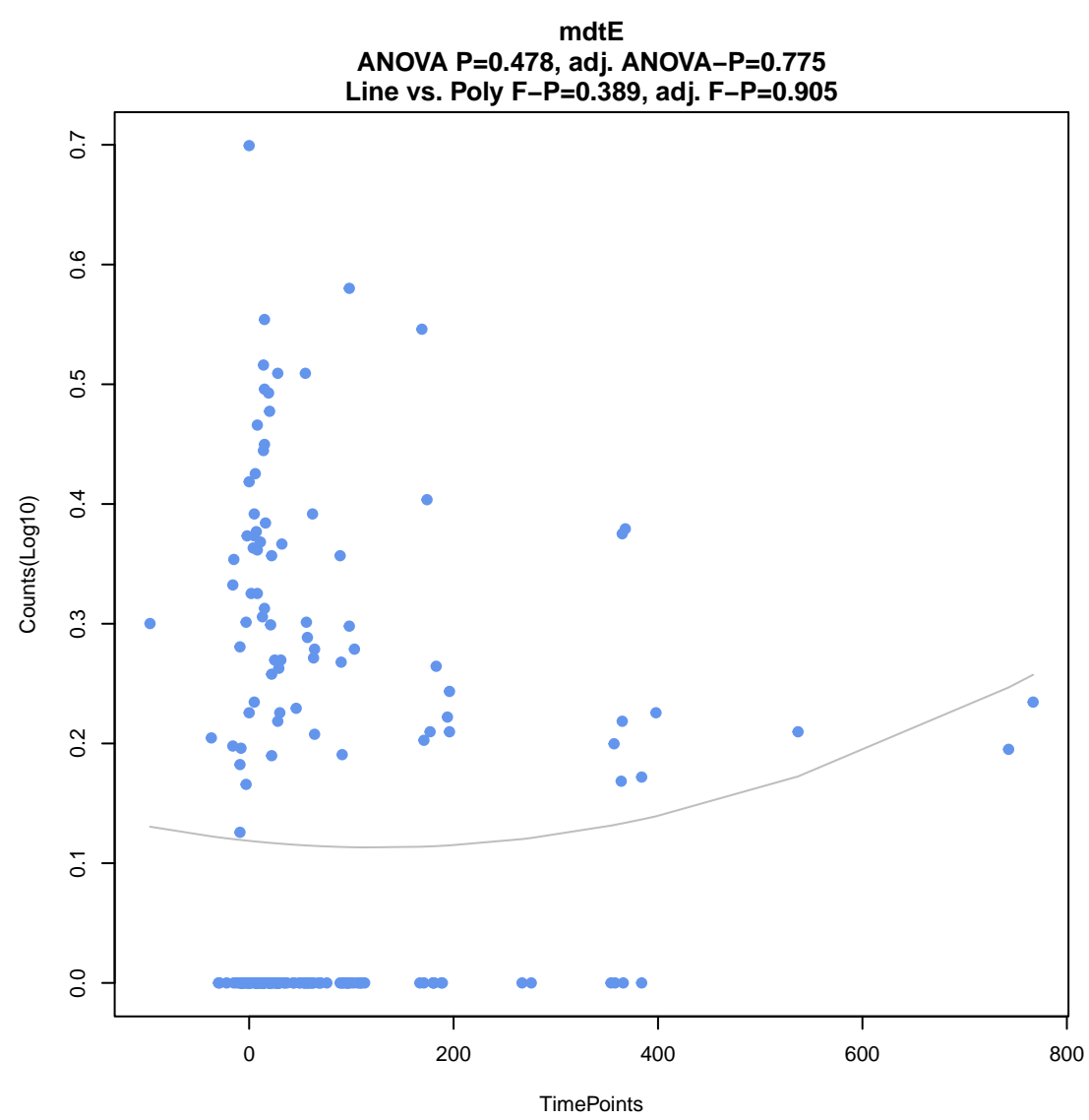
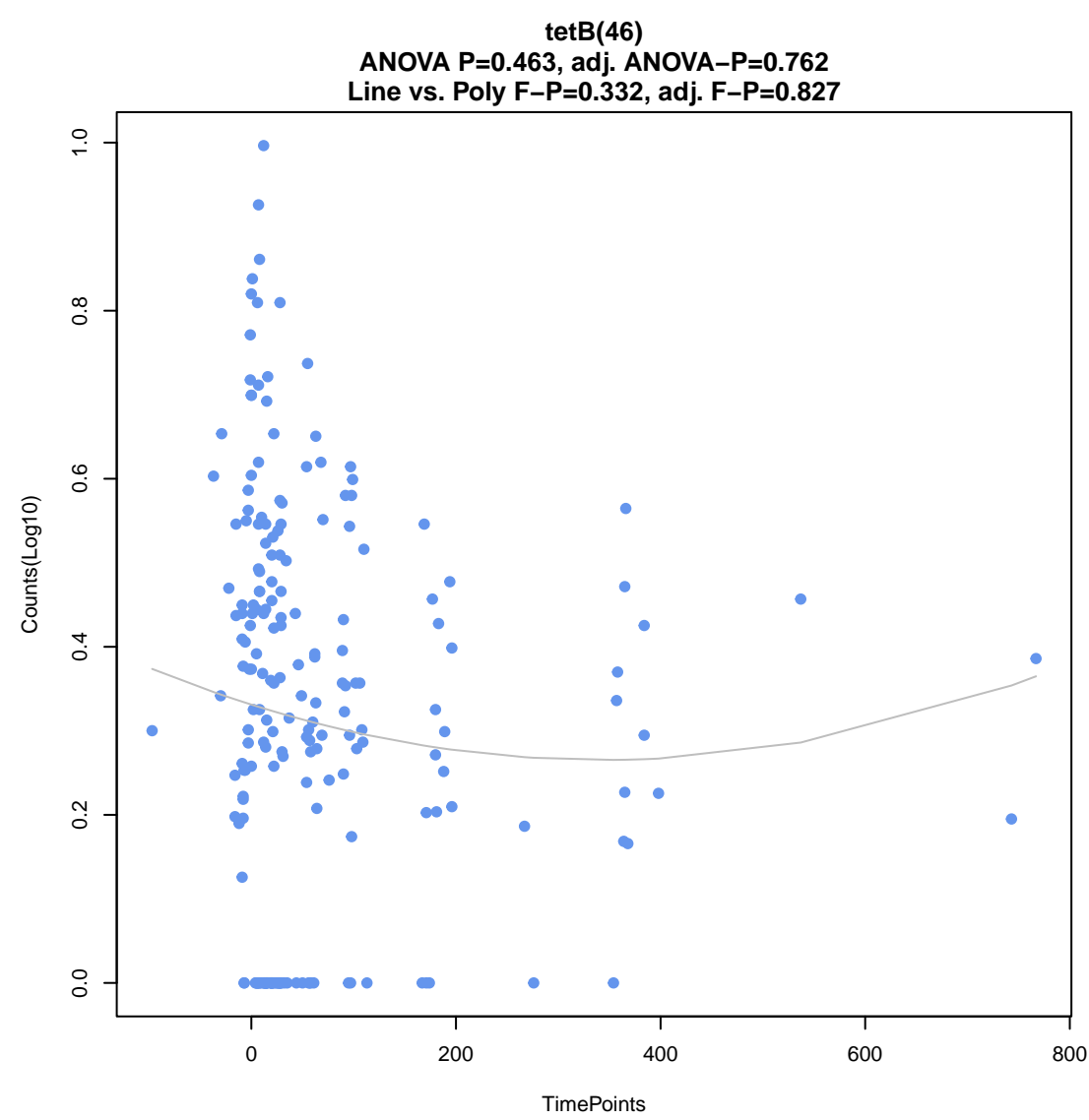
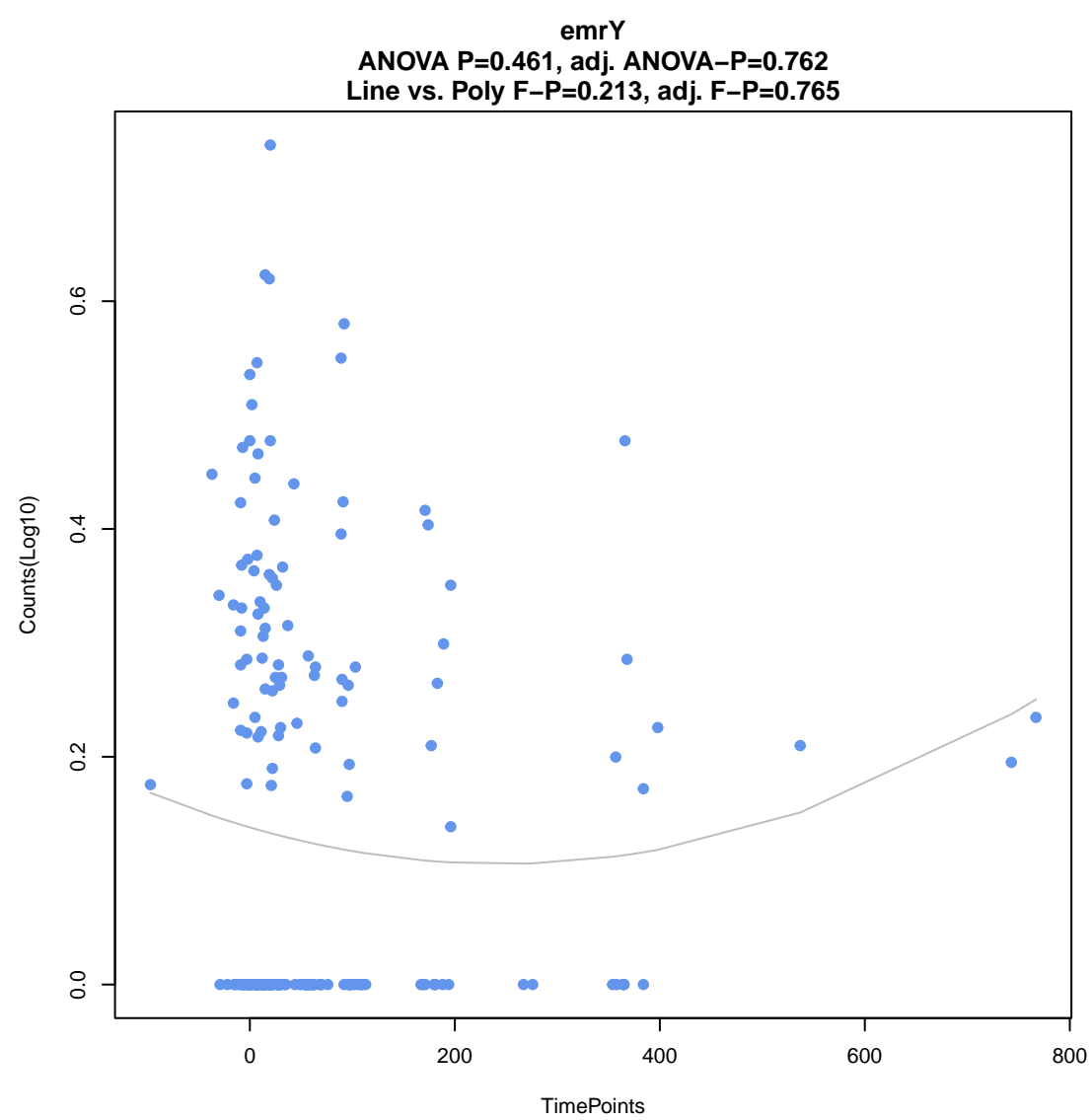
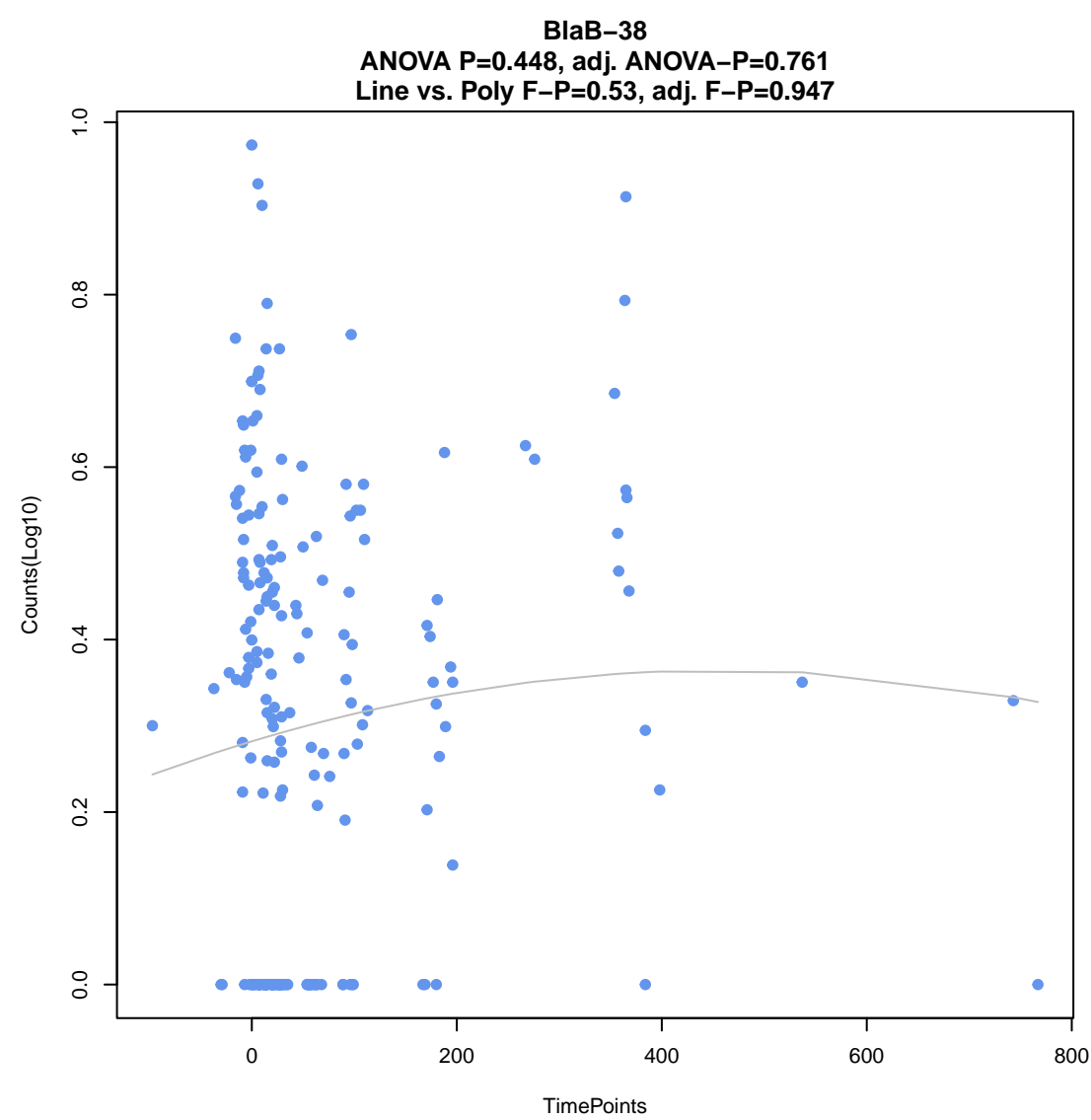
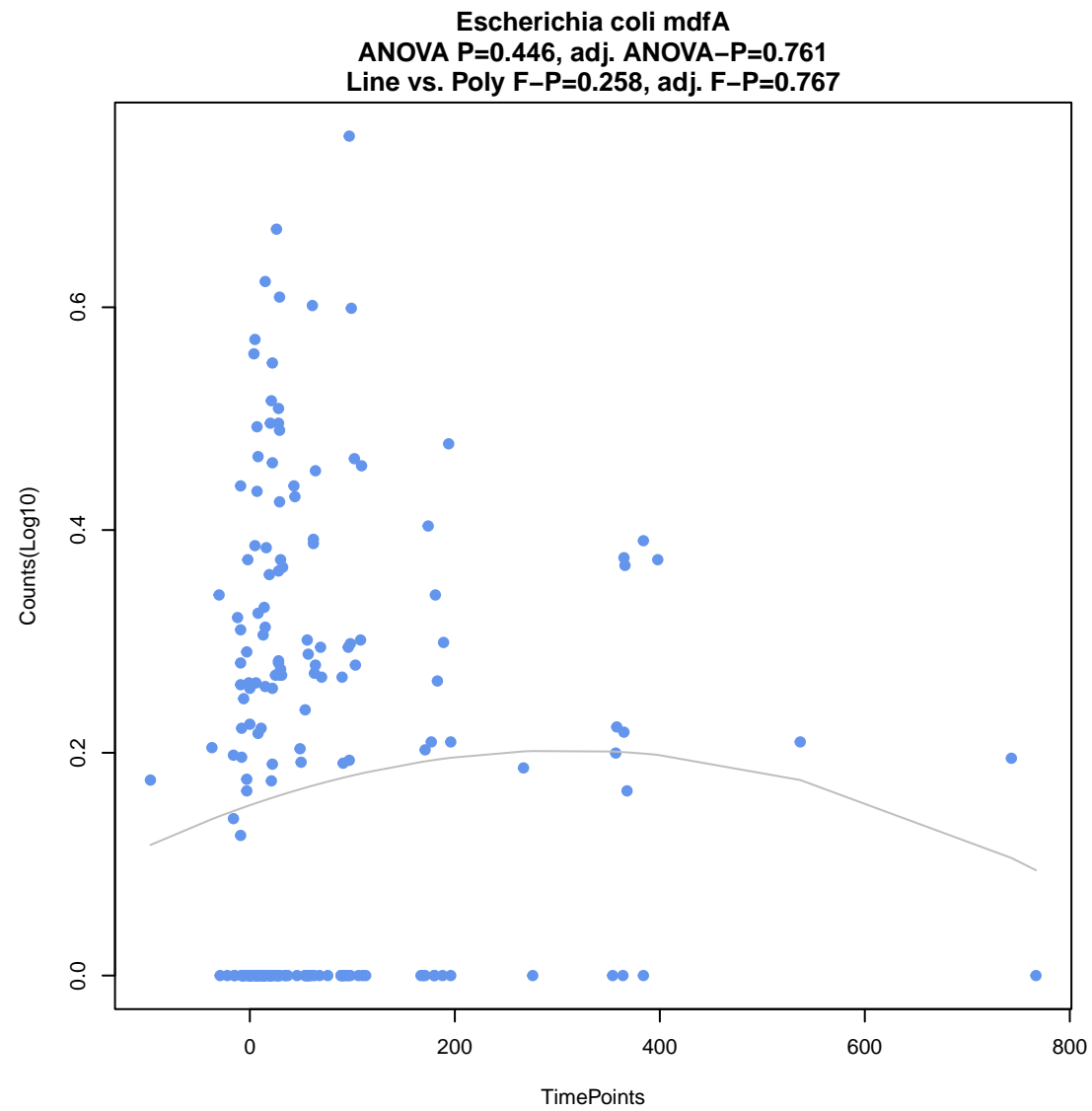
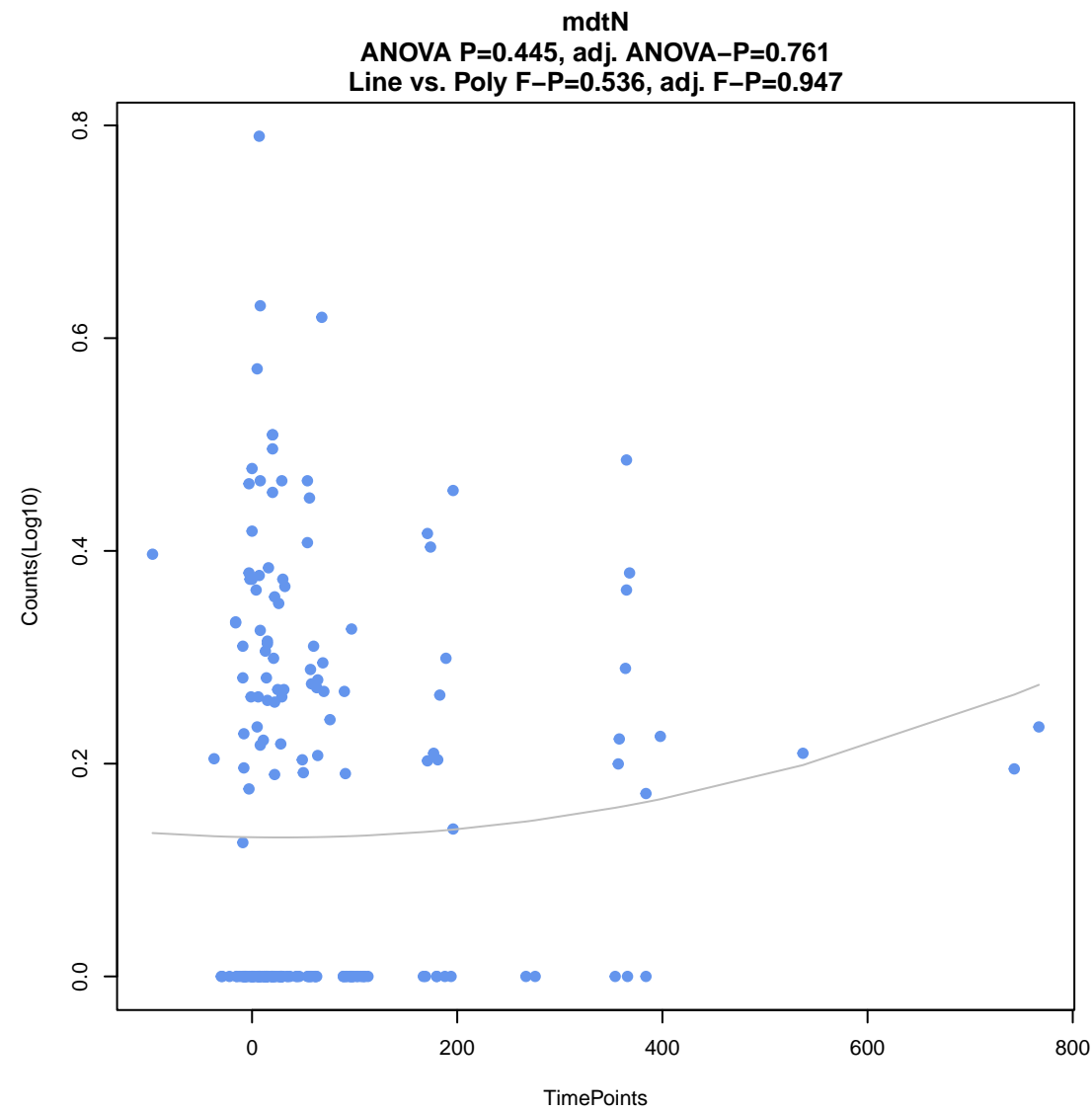
ANOVA P=0.437, adj. ANOVA-P=0.761
Line vs. Poly F-P=0.247, adj. F-P=0.765

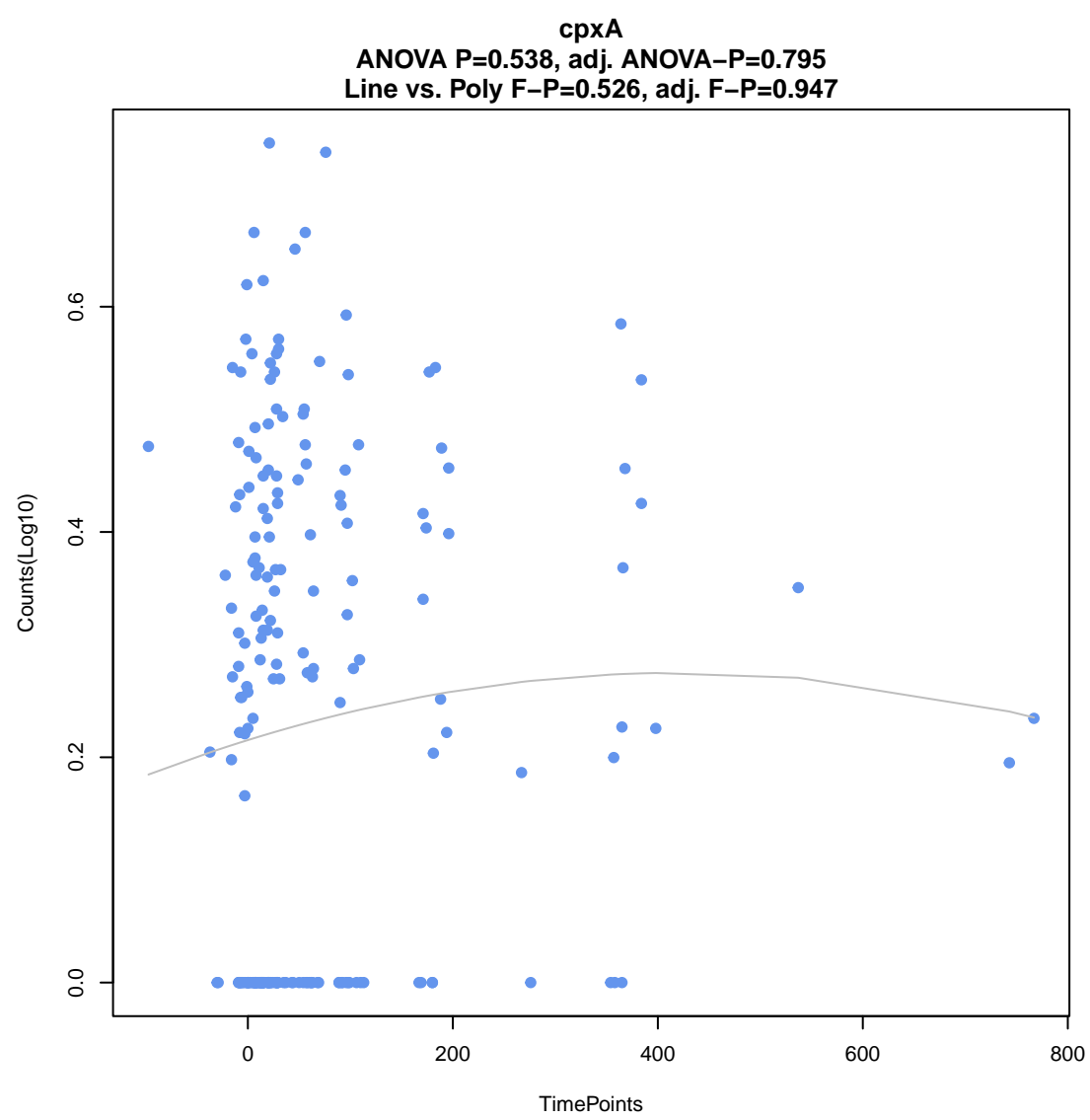
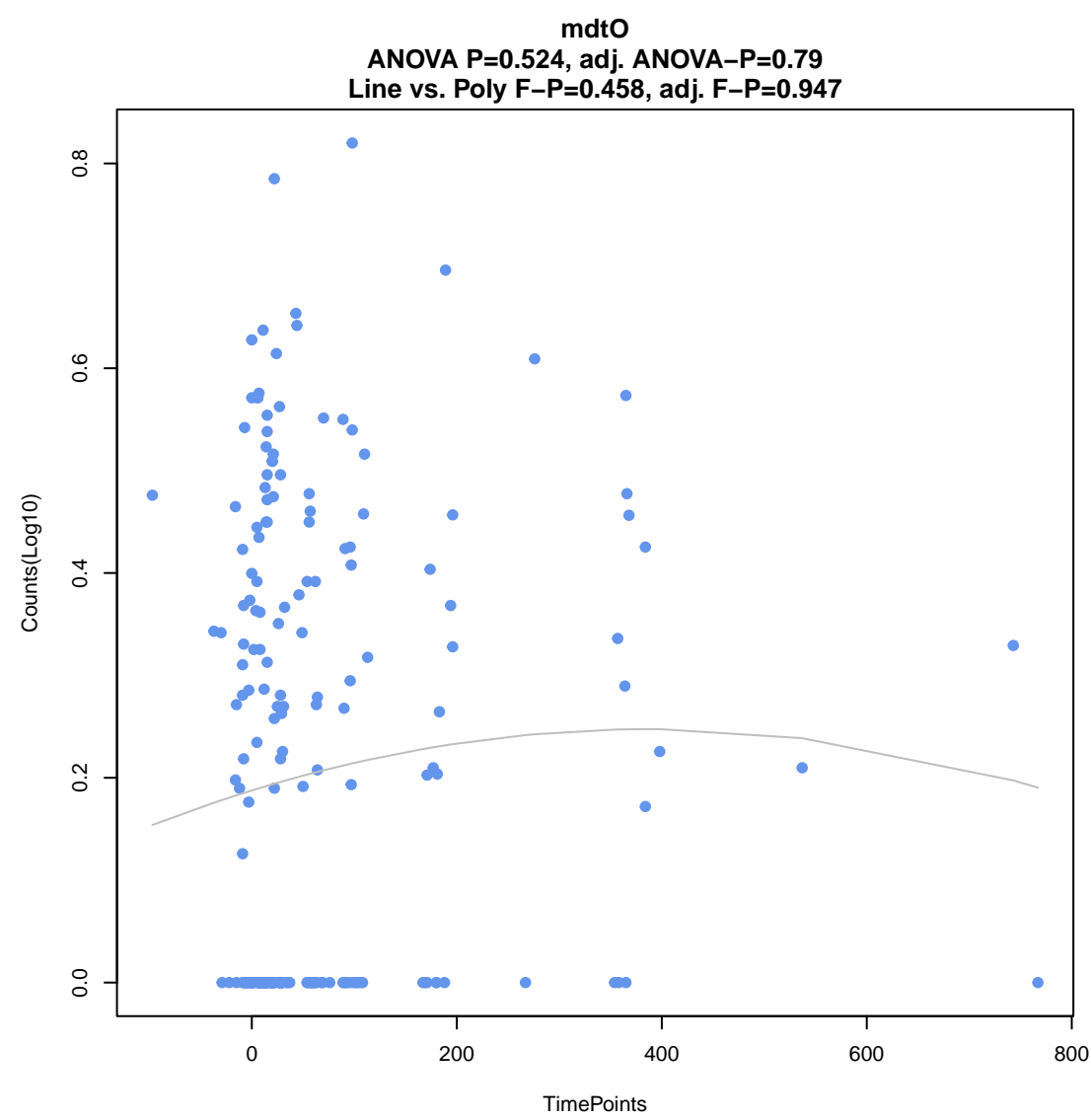
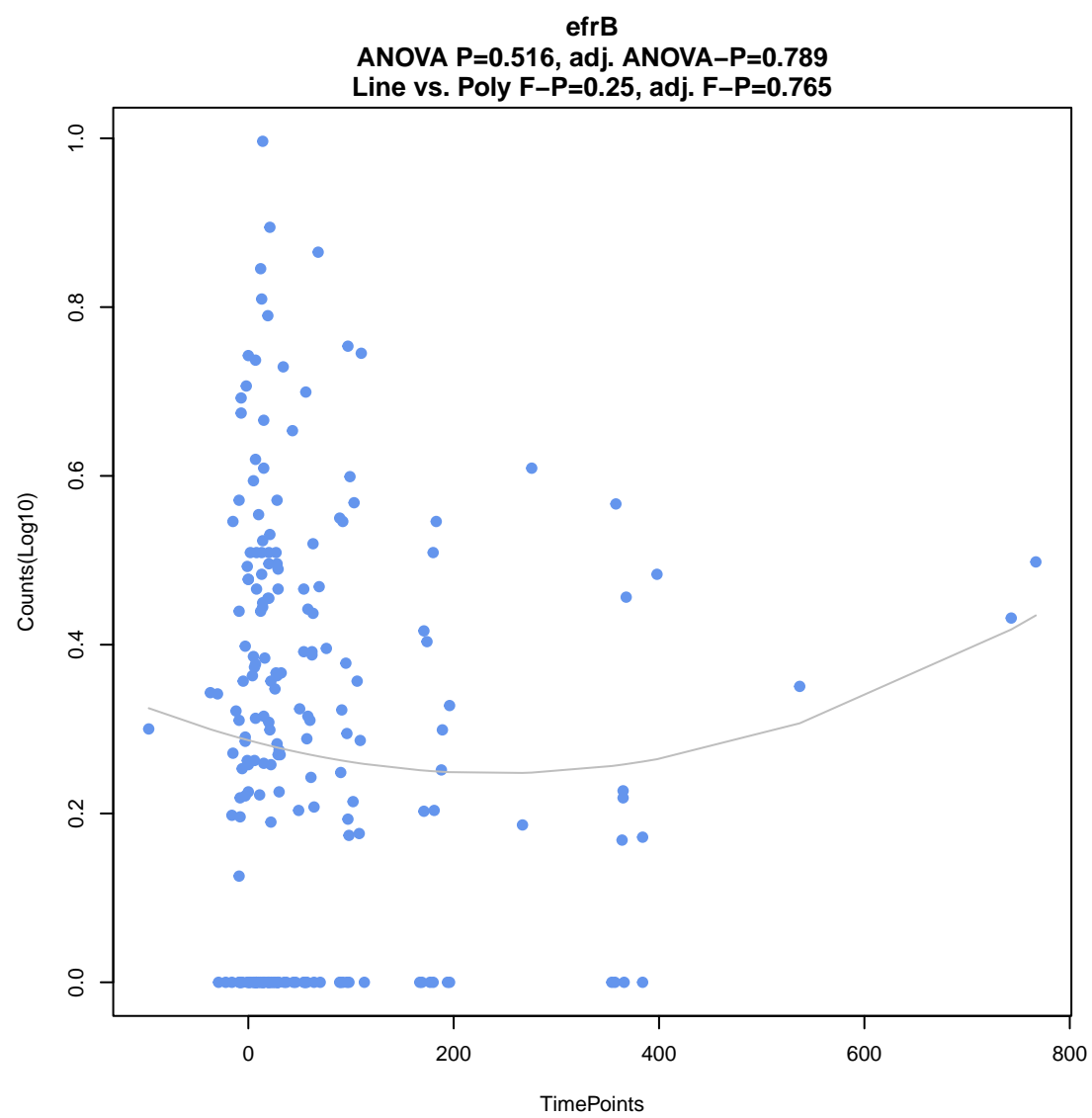
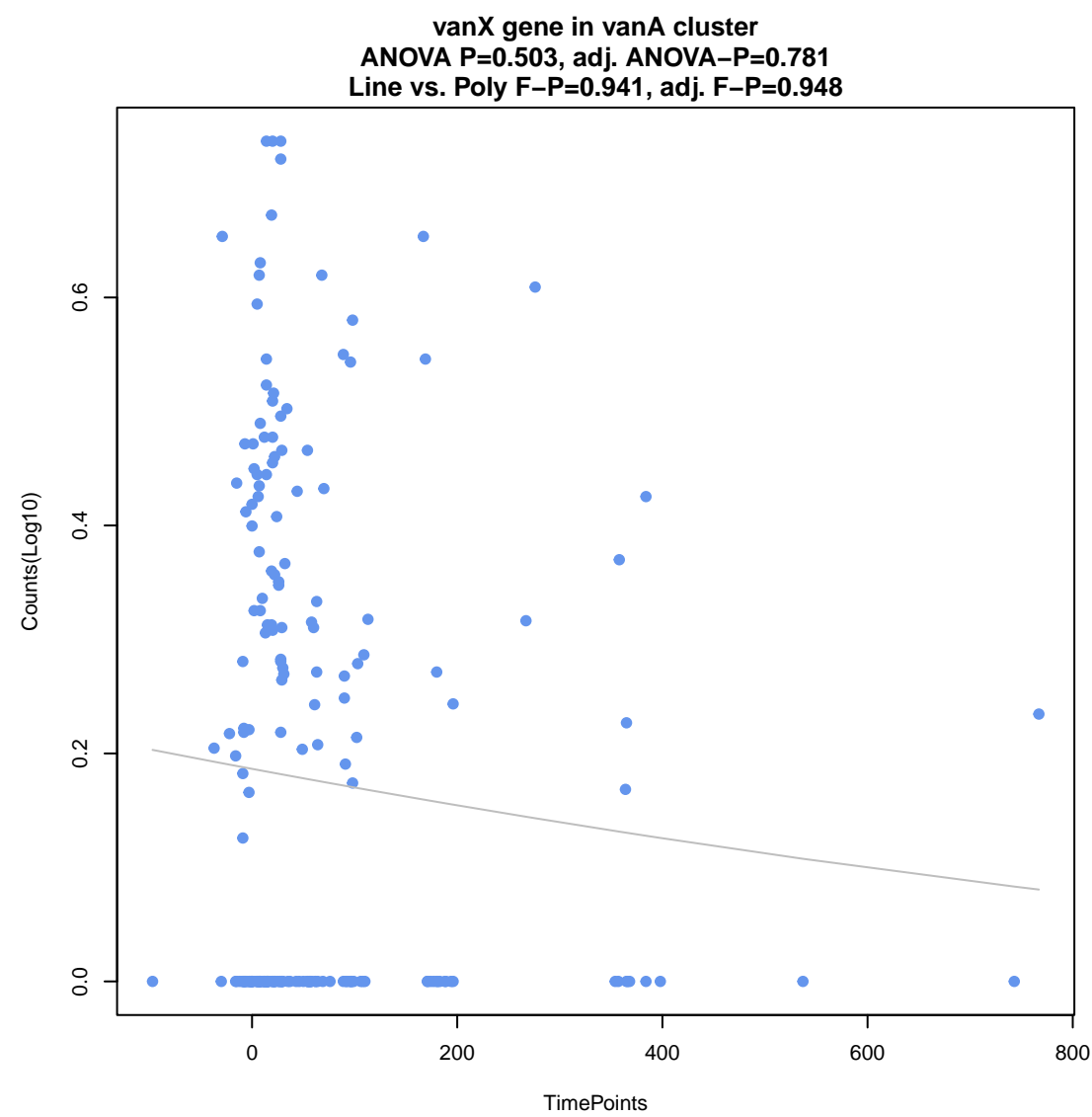
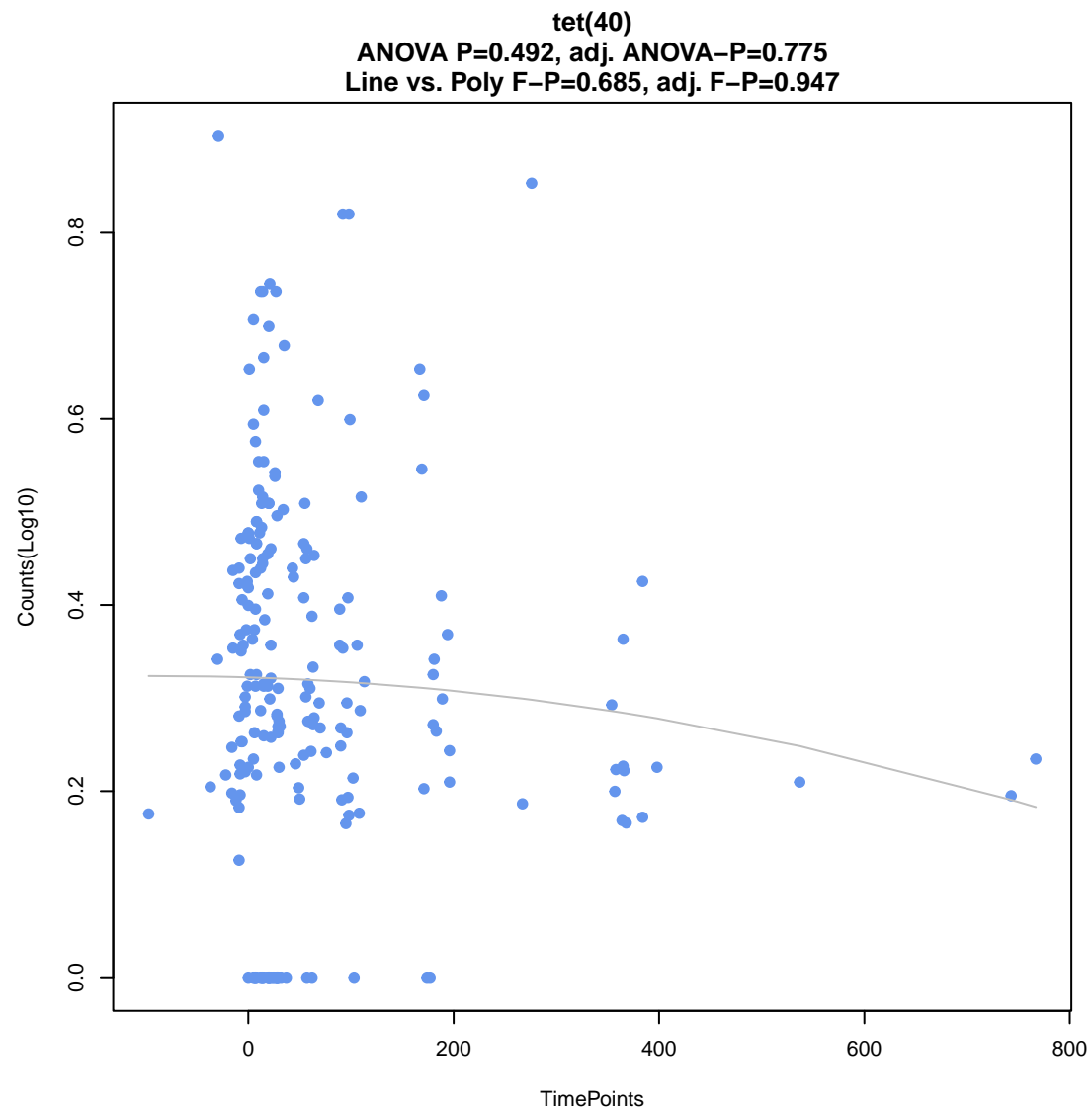
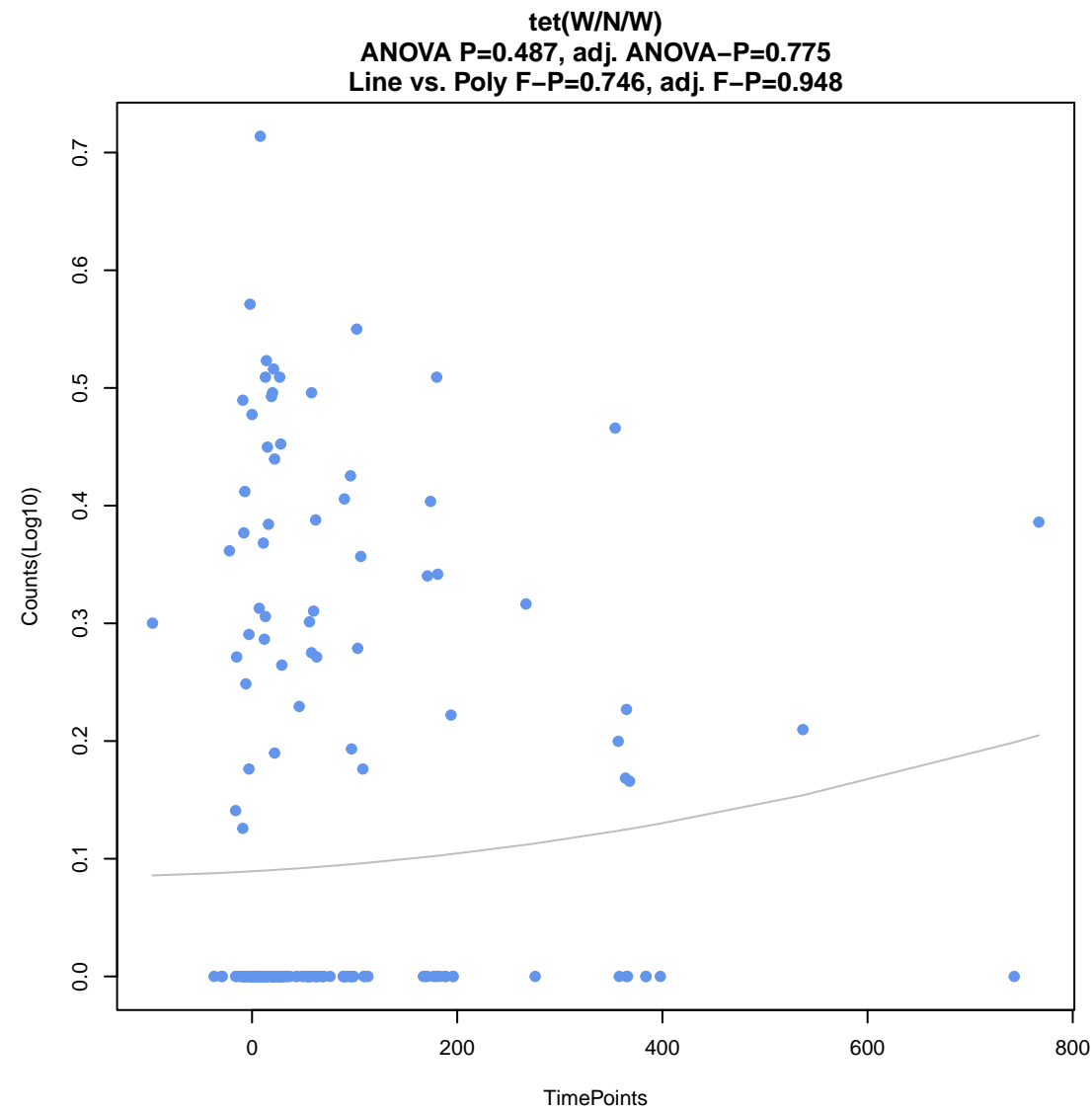


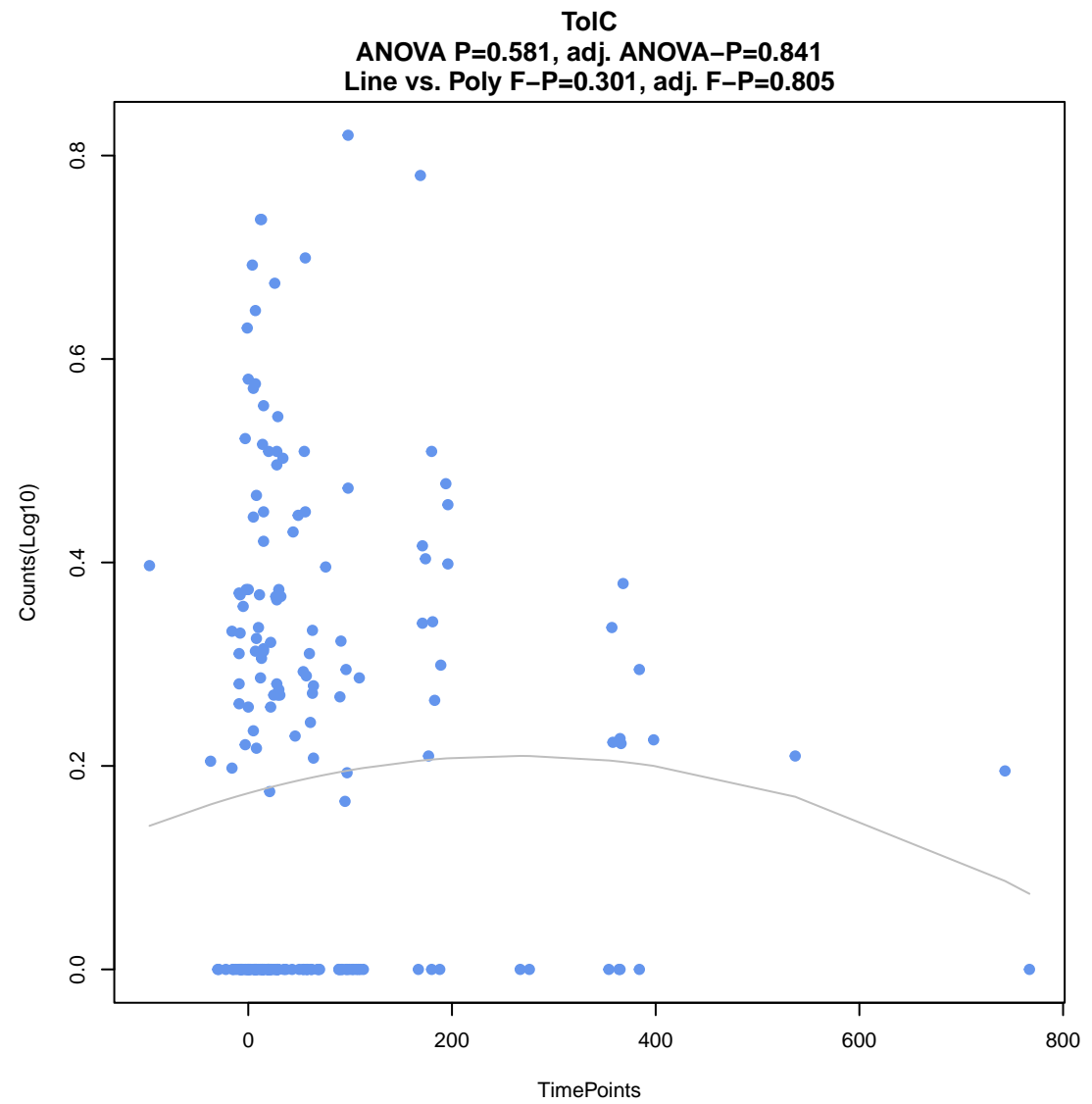
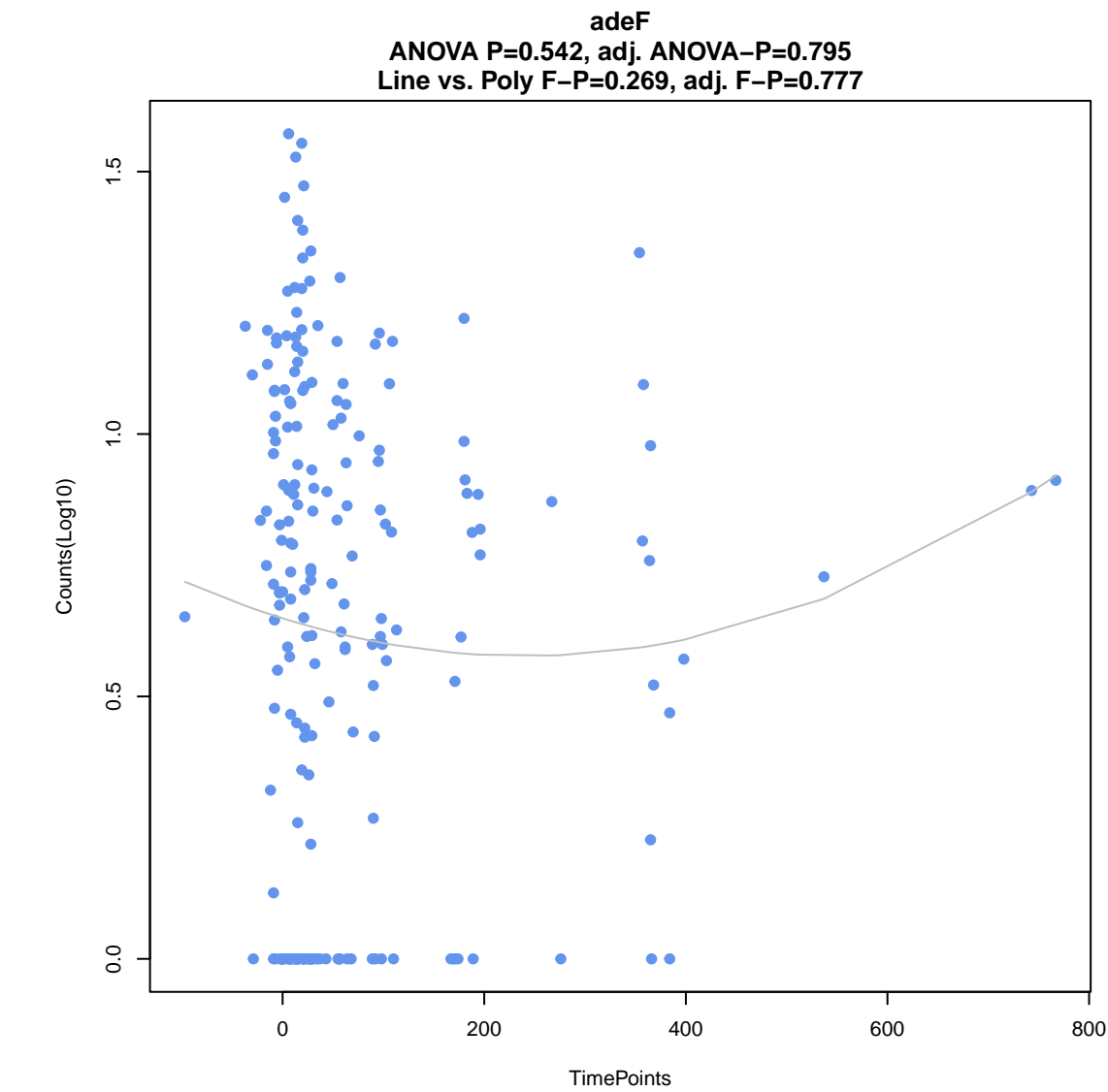
msbA

ANOVA P=0.441, adj. ANOVA-P=0.761
Line vs. Poly F-P=0.202, adj. F-P=0.765

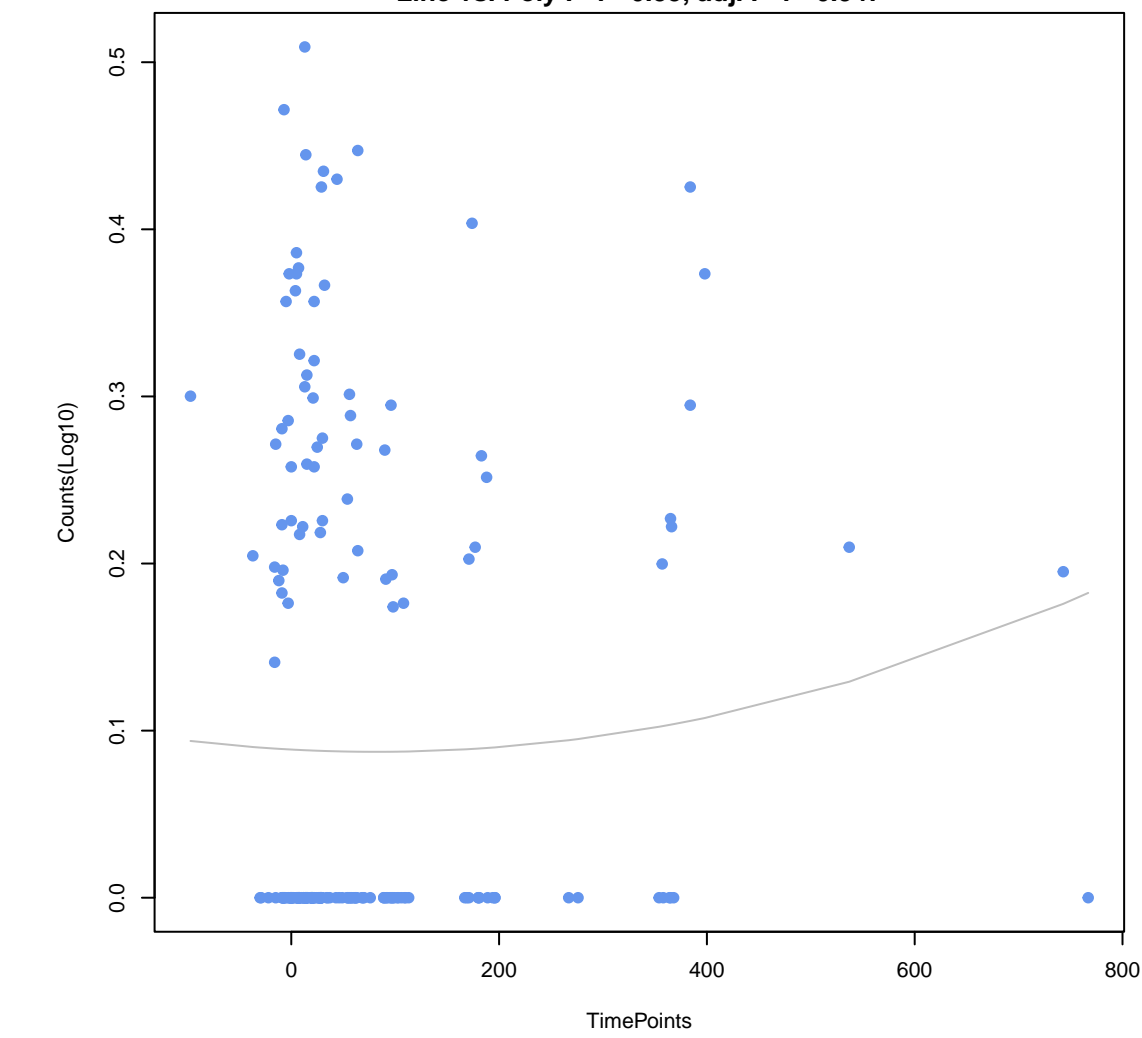




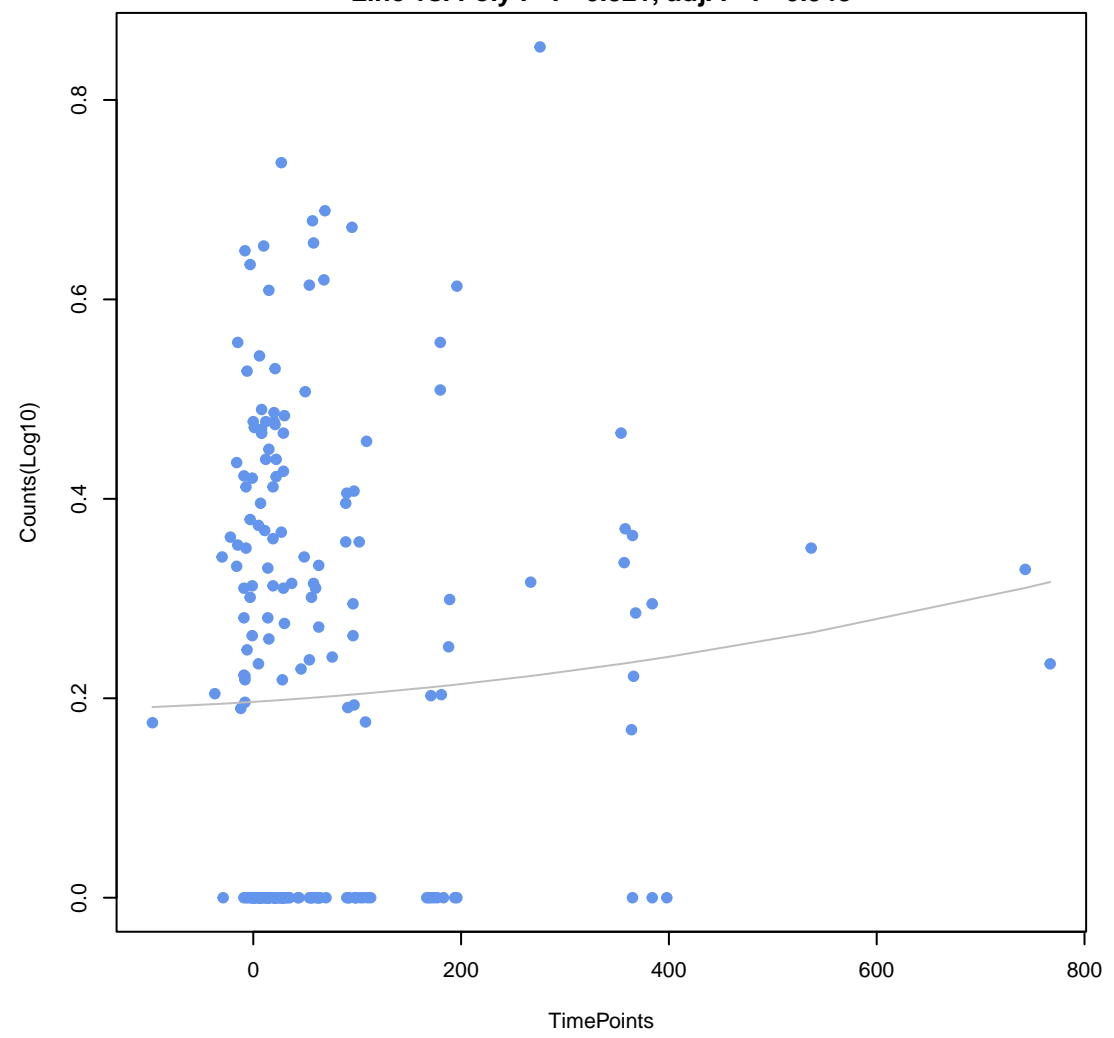




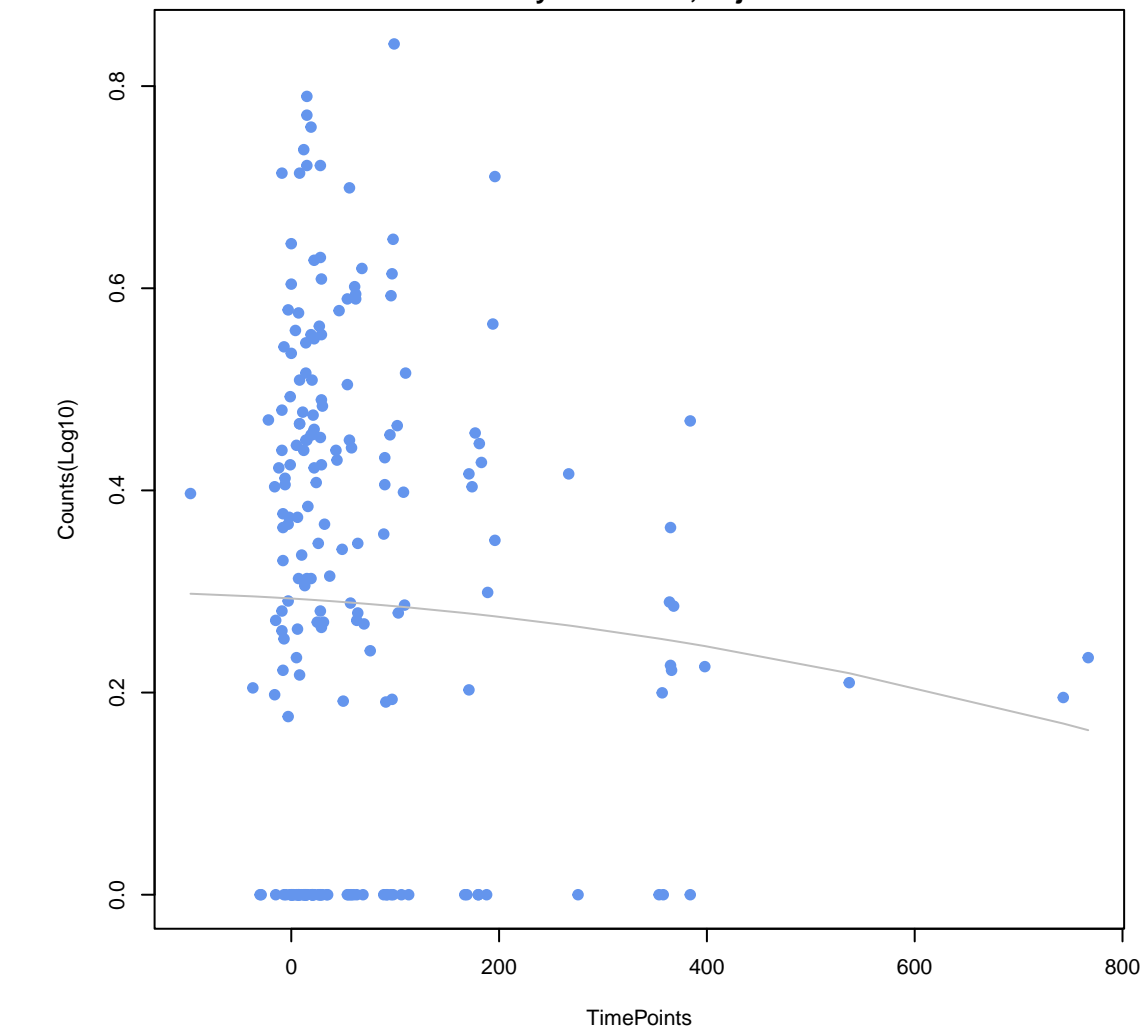
Escherichia coli AcrAB-ToIC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline
ANOVA P=0.602, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.55, adj. F-P=0.947



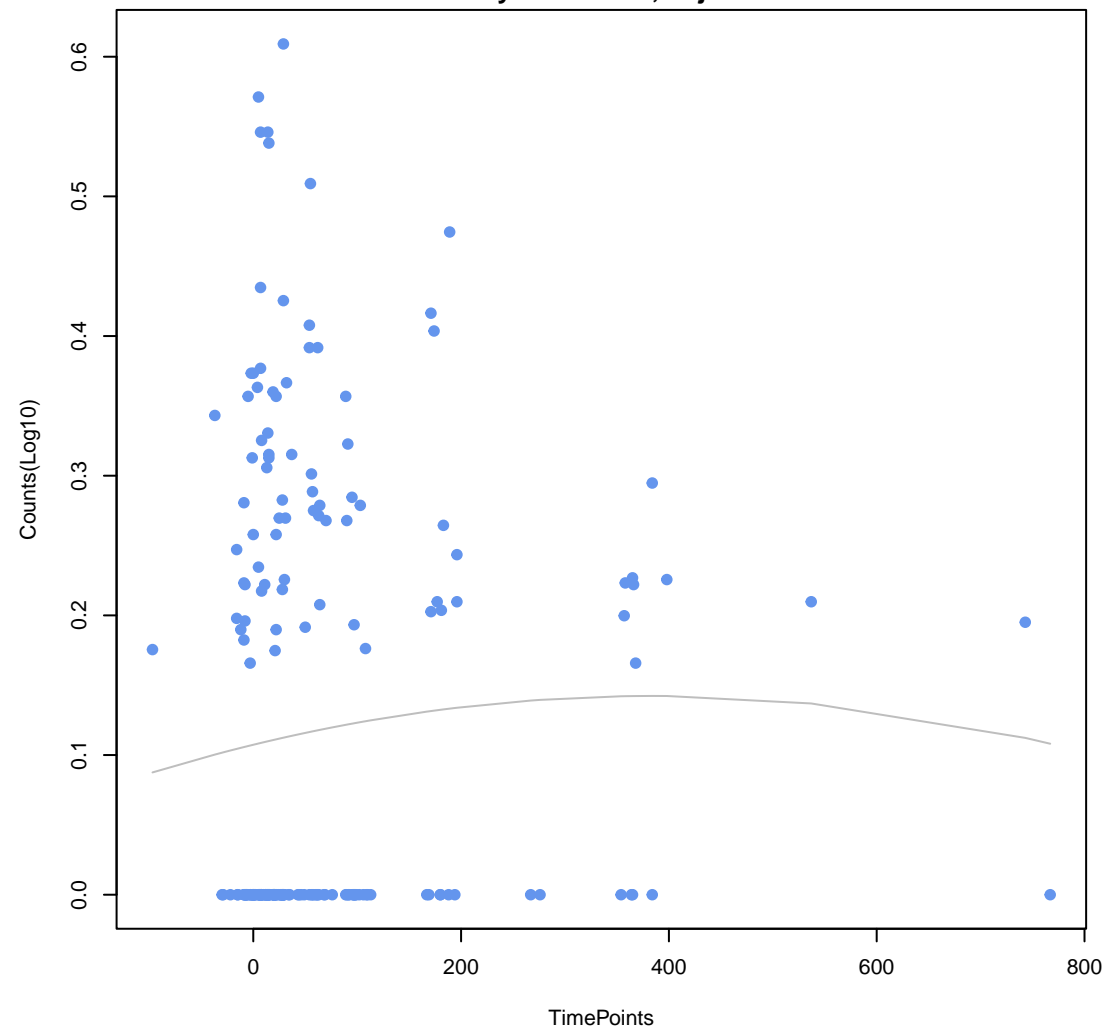
chrB
ANOVA P=0.608, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.821, adj. F-P=0.948



mdtC
ANOVA P=0.618, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.806, adj. F-P=0.948

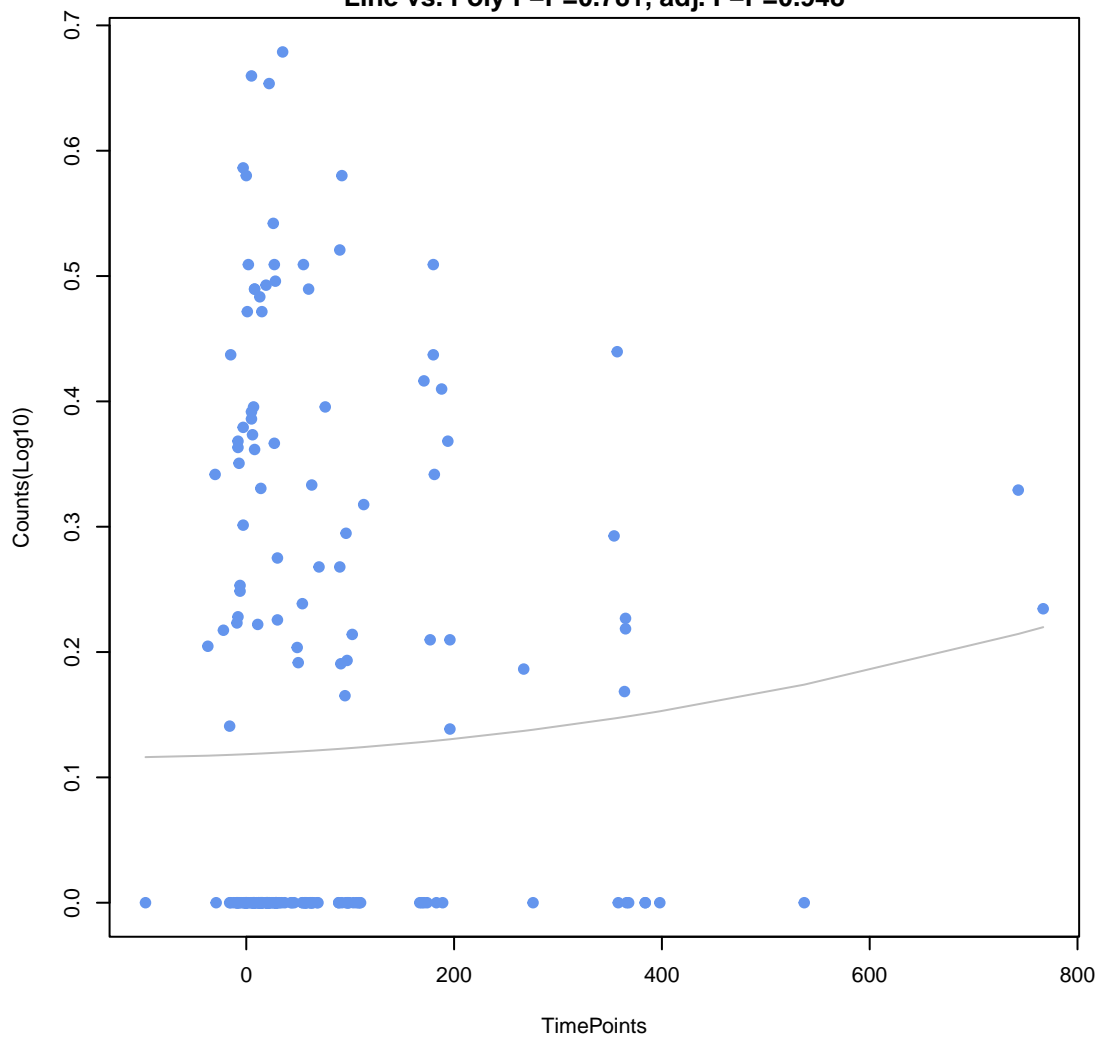


Escherichia coli soxR with mutation conferring antibiotic resistance
ANOVA P=0.644, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.536, adj. F-P=0.947



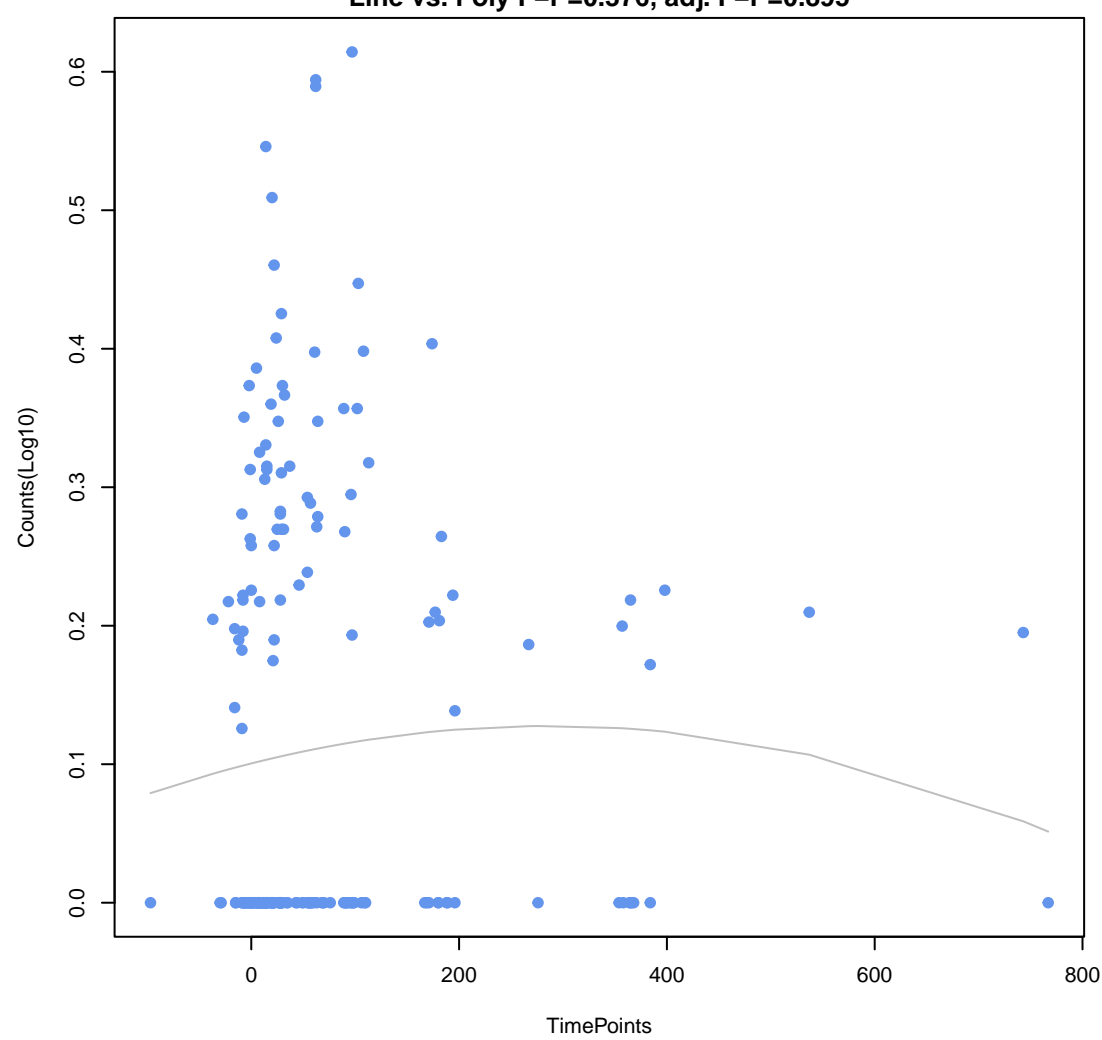
tet(W/32/O)

ANOVA P=0.645, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.781, adj. F-P=0.948



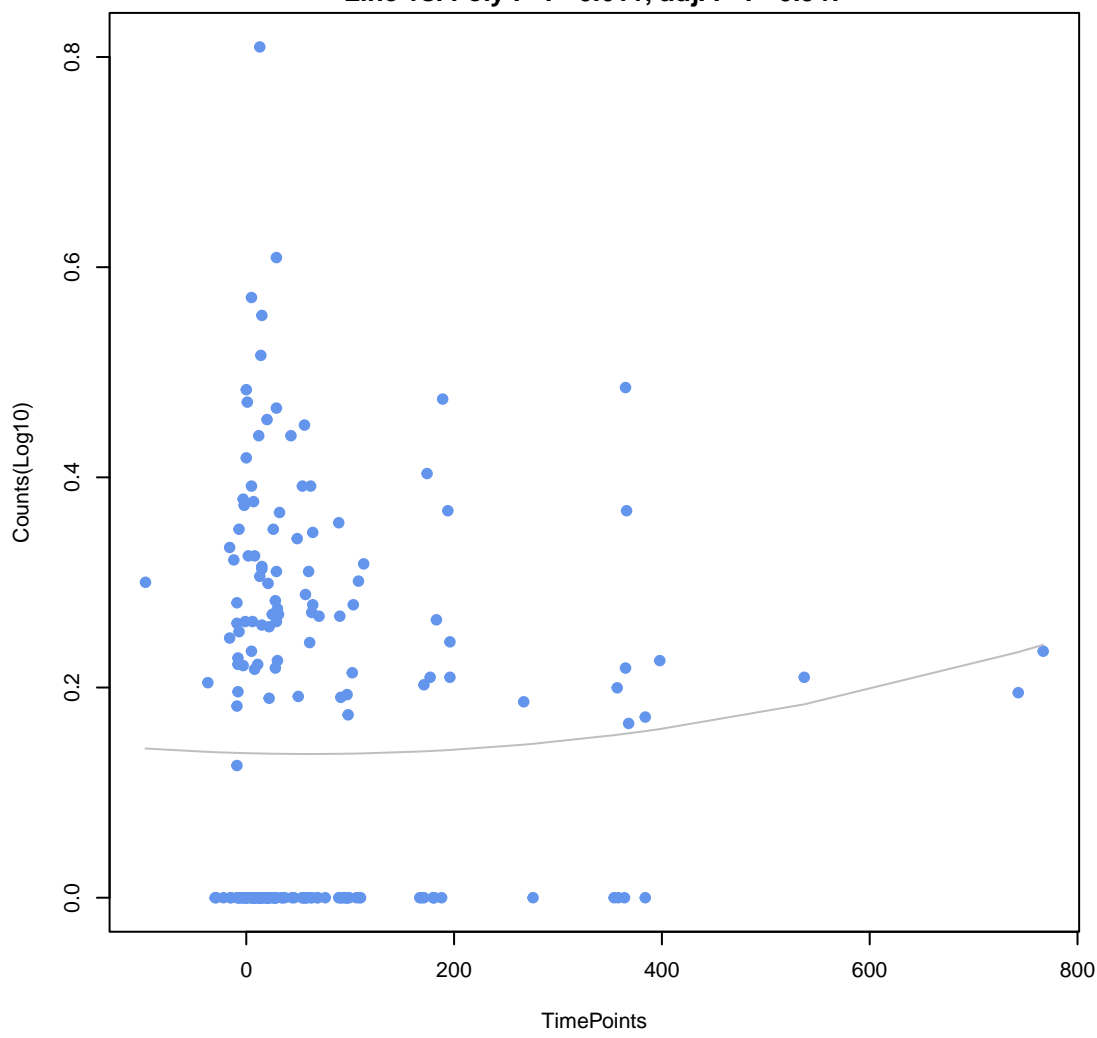
rsmA

ANOVA P=0.649, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.376, adj. F-P=0.895



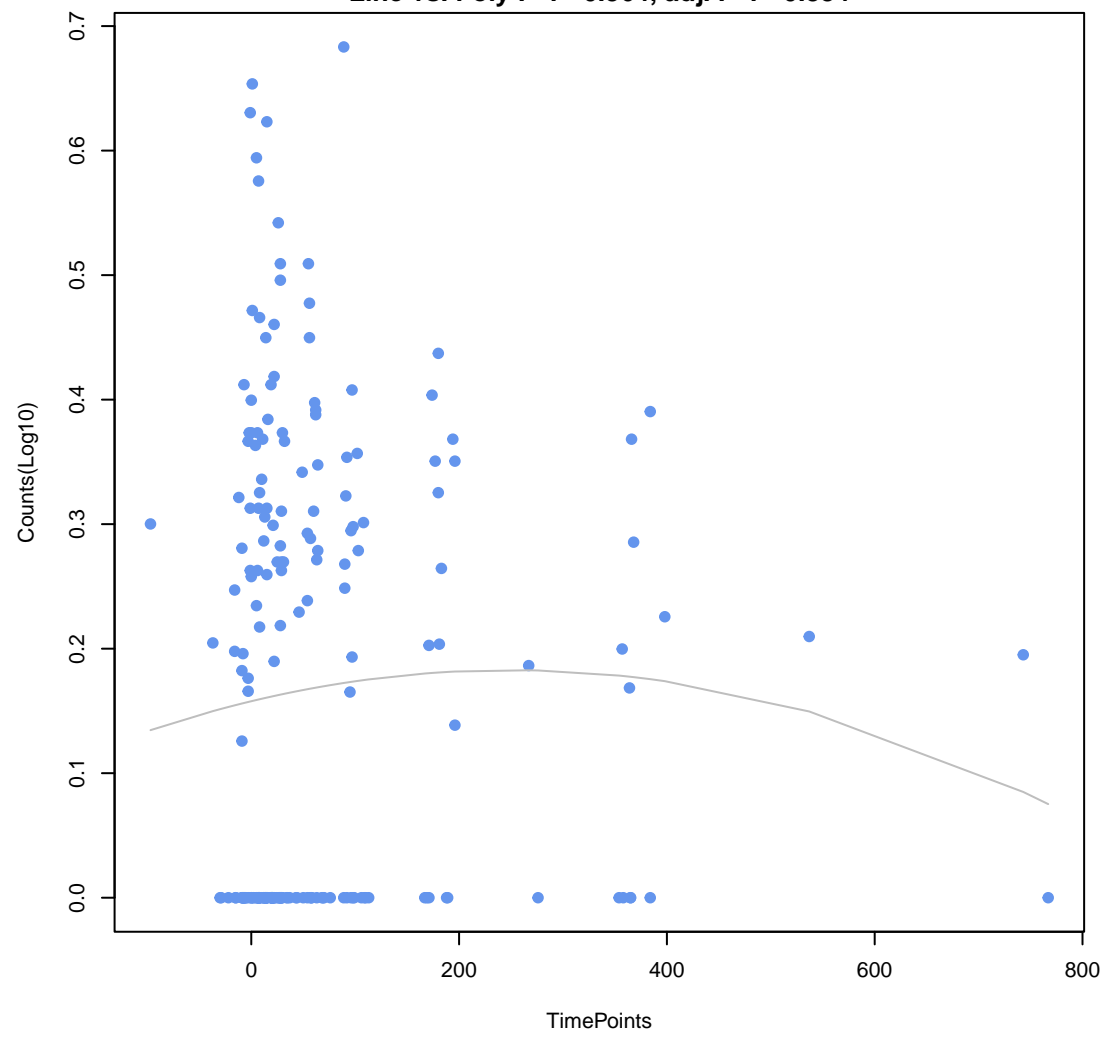
Escherichia coli acrA

ANOVA P=0.65, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.611, adj. F-P=0.947



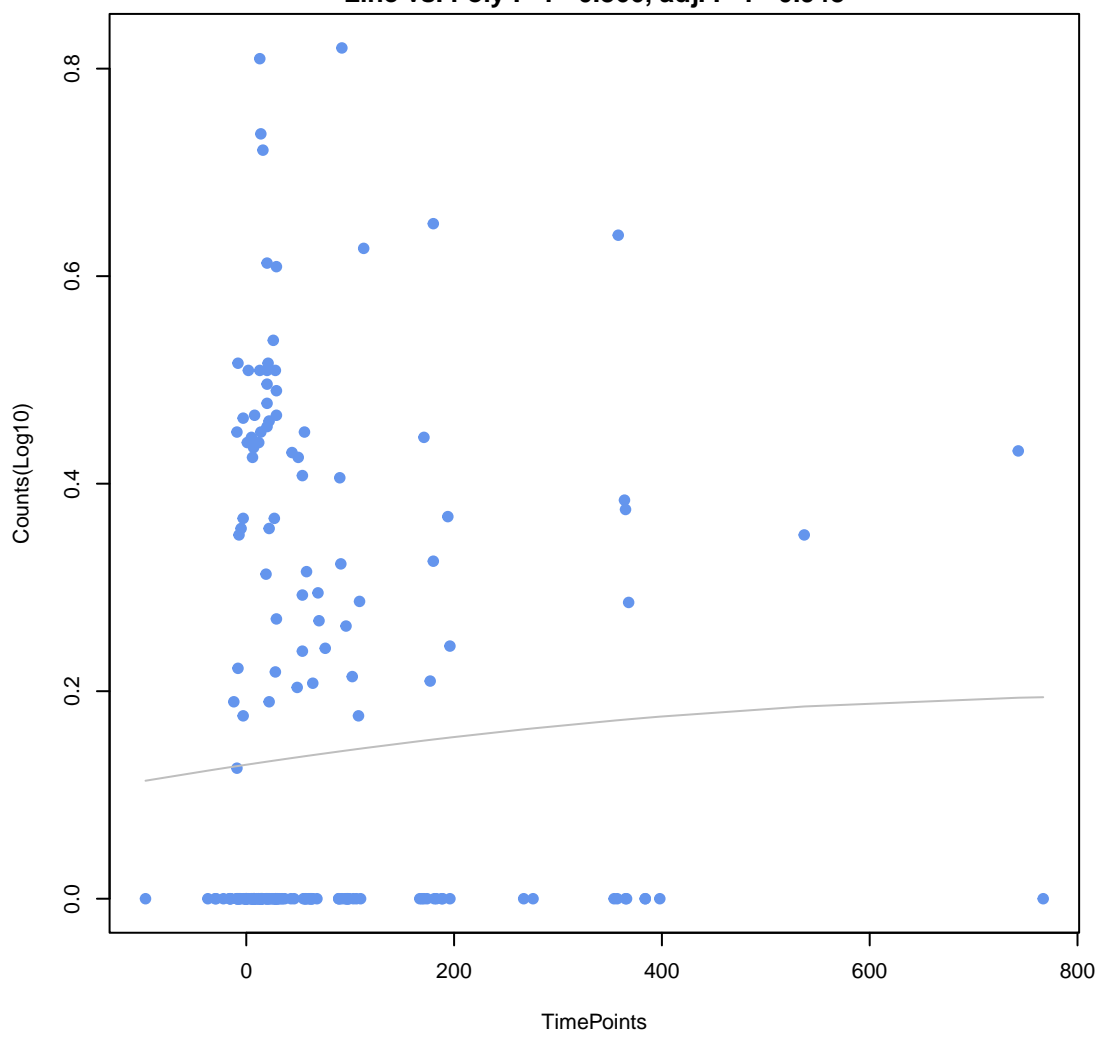
emrA

ANOVA P=0.662, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.364, adj. F-P=0.884



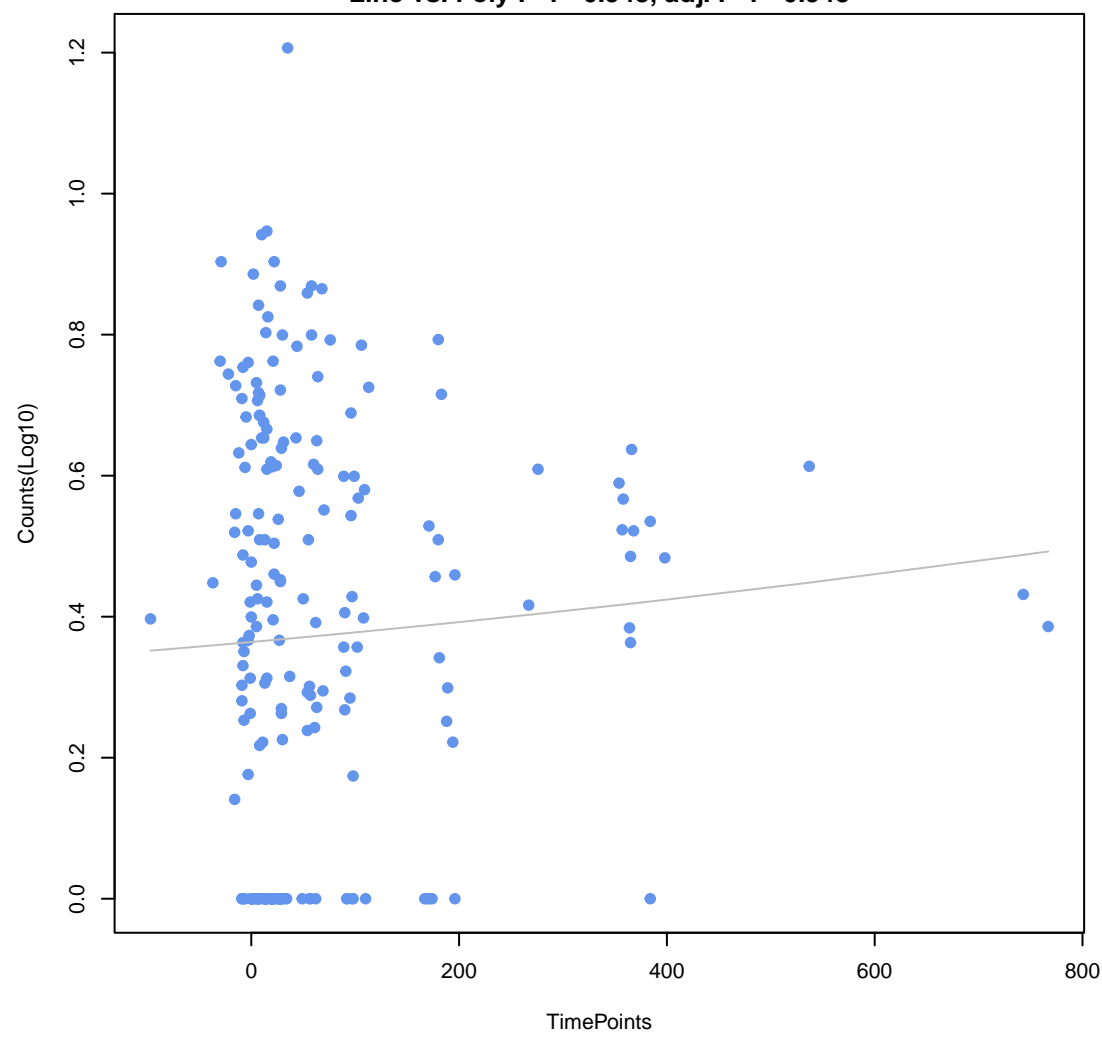
mdeA

ANOVA P=0.67, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.866, adj. F-P=0.948



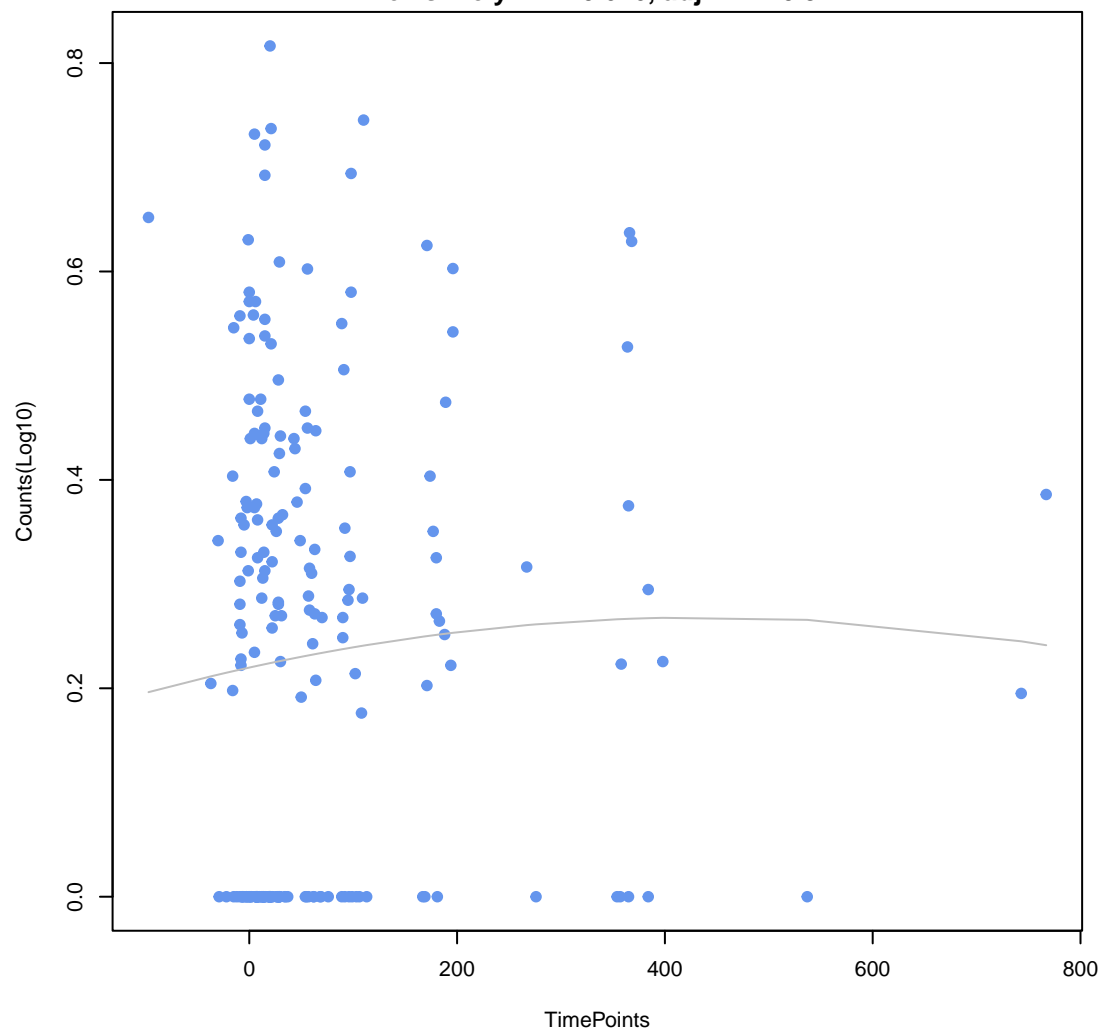
poxA

ANOVA P=0.671, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.948, adj. F-P=0.948



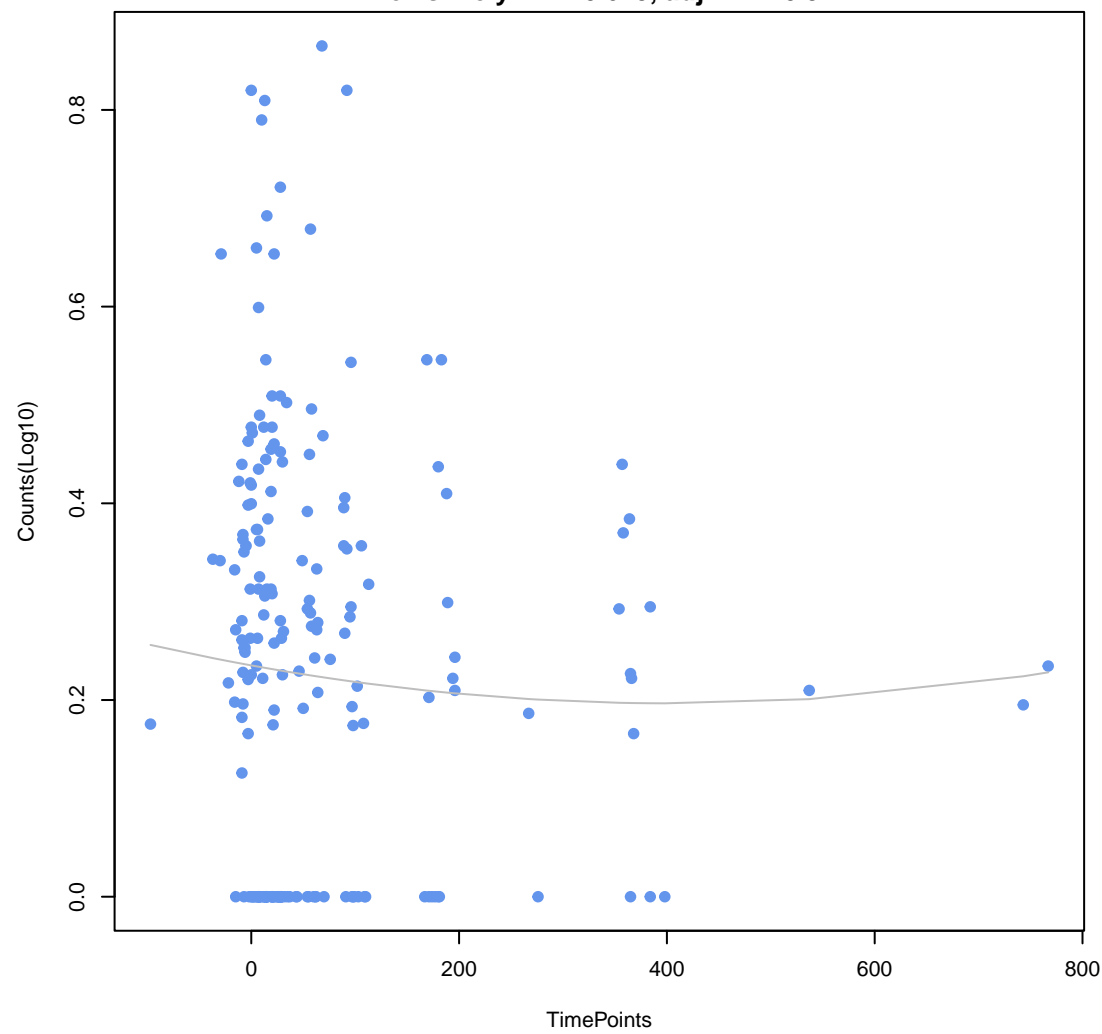
AcrF

ANOVA P=0.691, adj. ANOVA-P=0.87
Line vs. Poly F-P=0.646, adj. F-P=0.947



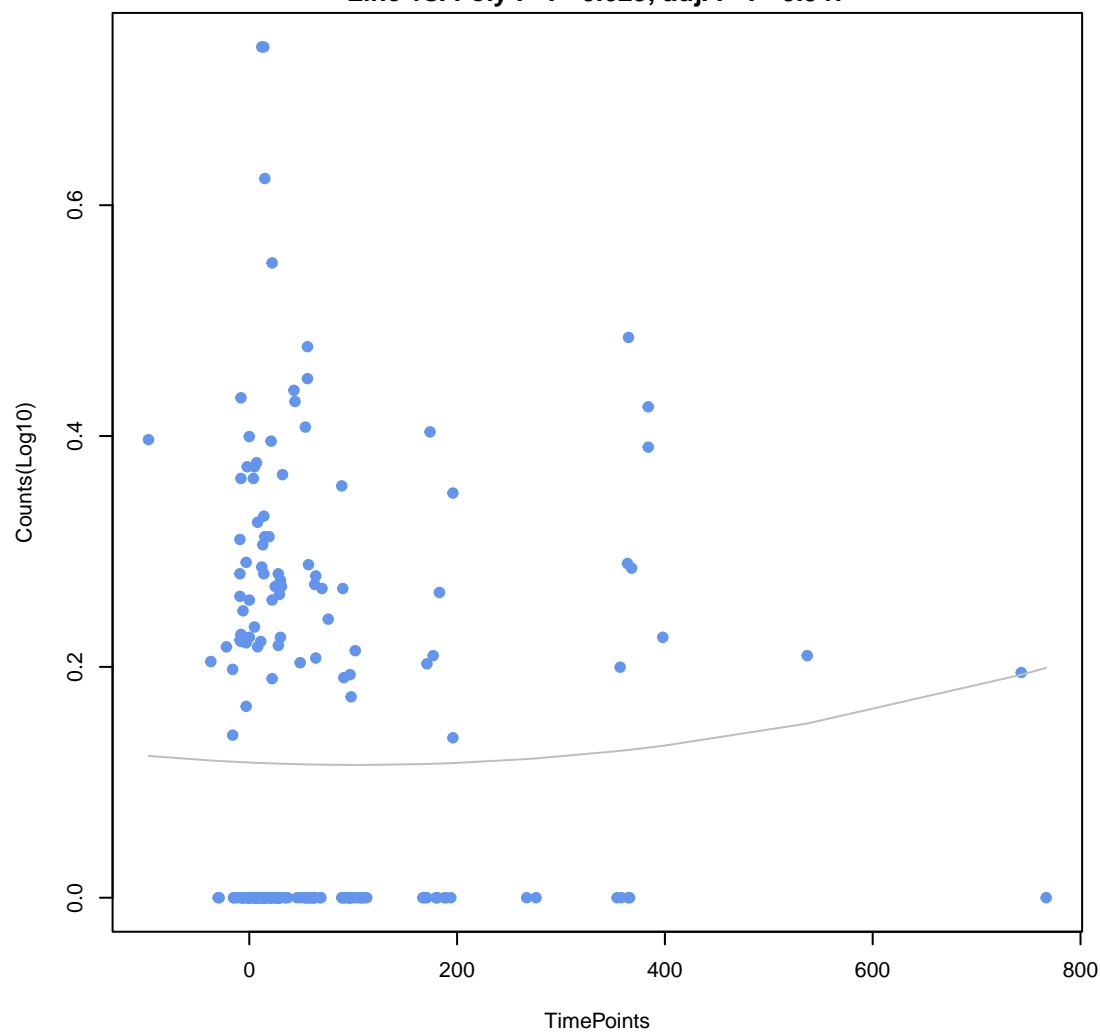
InuC

ANOVA P=0.752, adj. ANOVA-P=0.923
Line vs. Poly F-P=0.643, adj. F-P=0.947



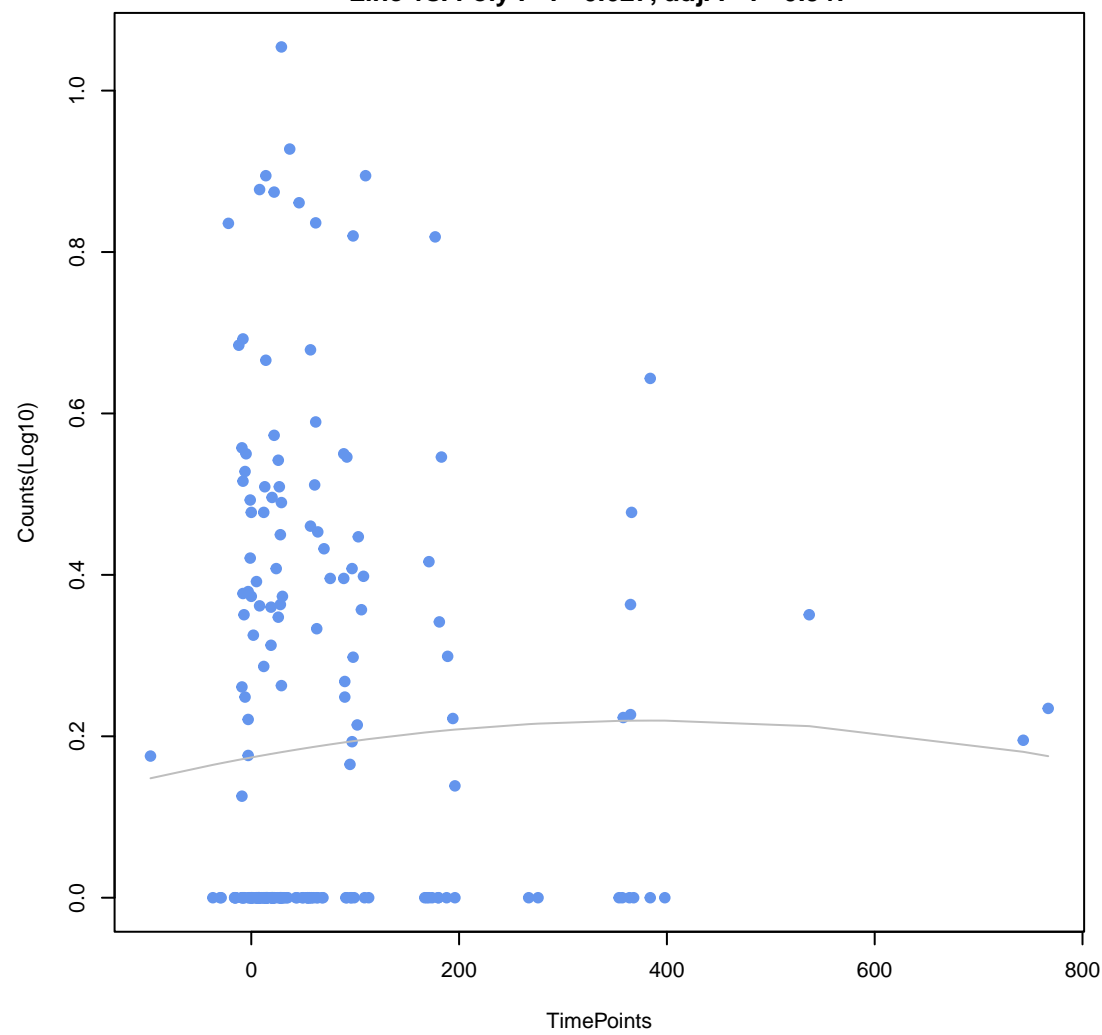
mdtA

ANOVA P=0.758, adj. ANOVA-P=0.923
Line vs. Poly F-P=0.629, adj. F-P=0.947



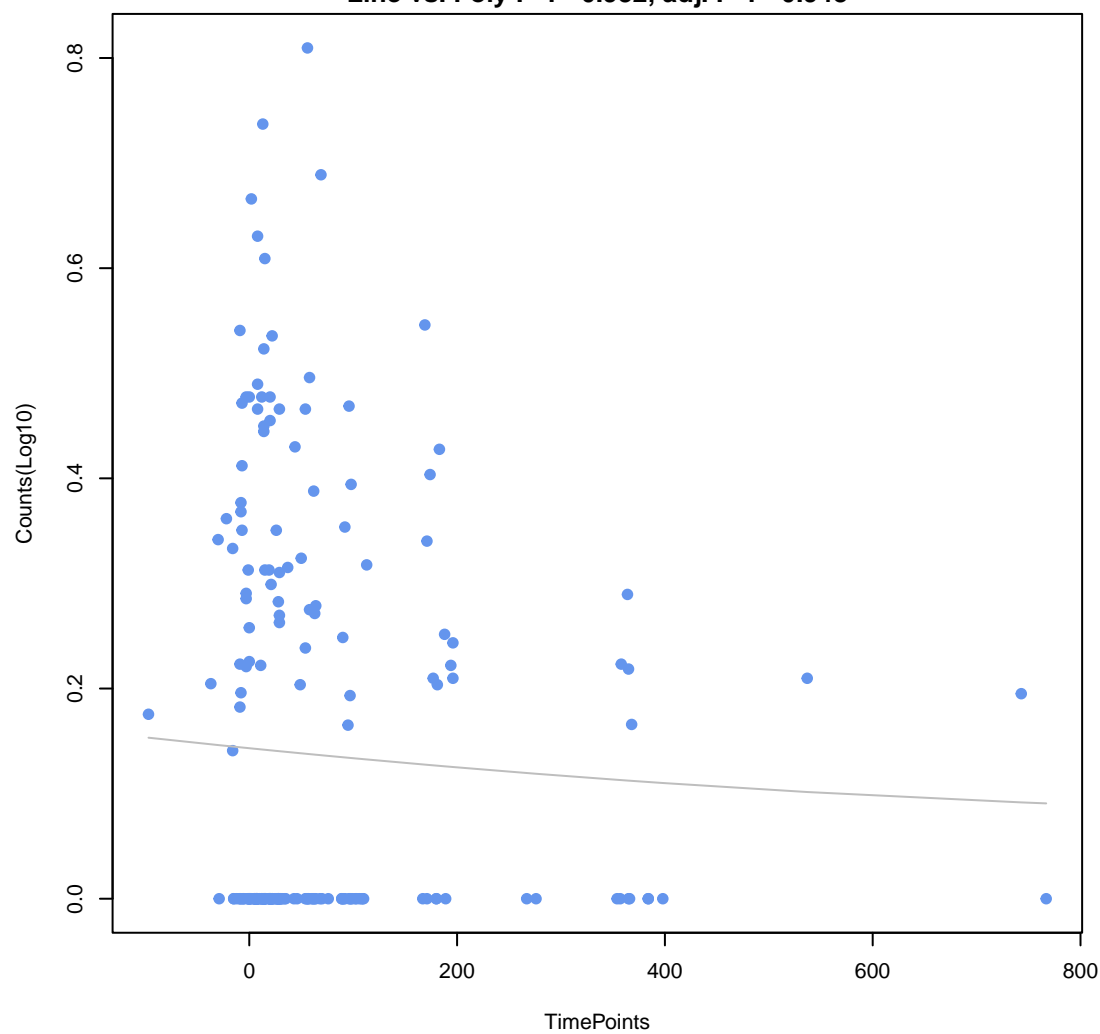
oqxB

ANOVA P=0.759, adj. ANOVA-P=0.923
Line vs. Poly F-P=0.627, adj. F-P=0.947



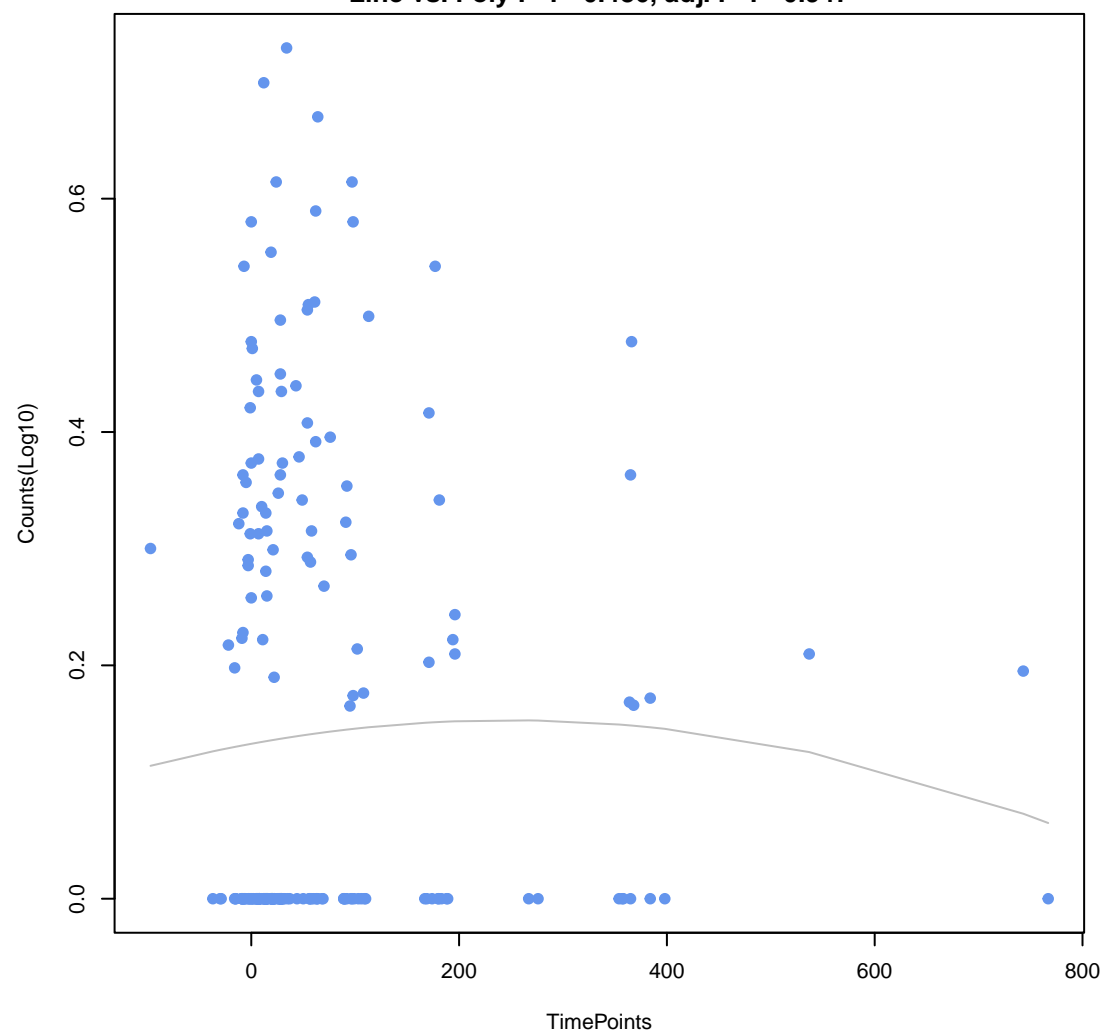
Bifidobacterium bifidum ileS conferring resistance to mupirocin

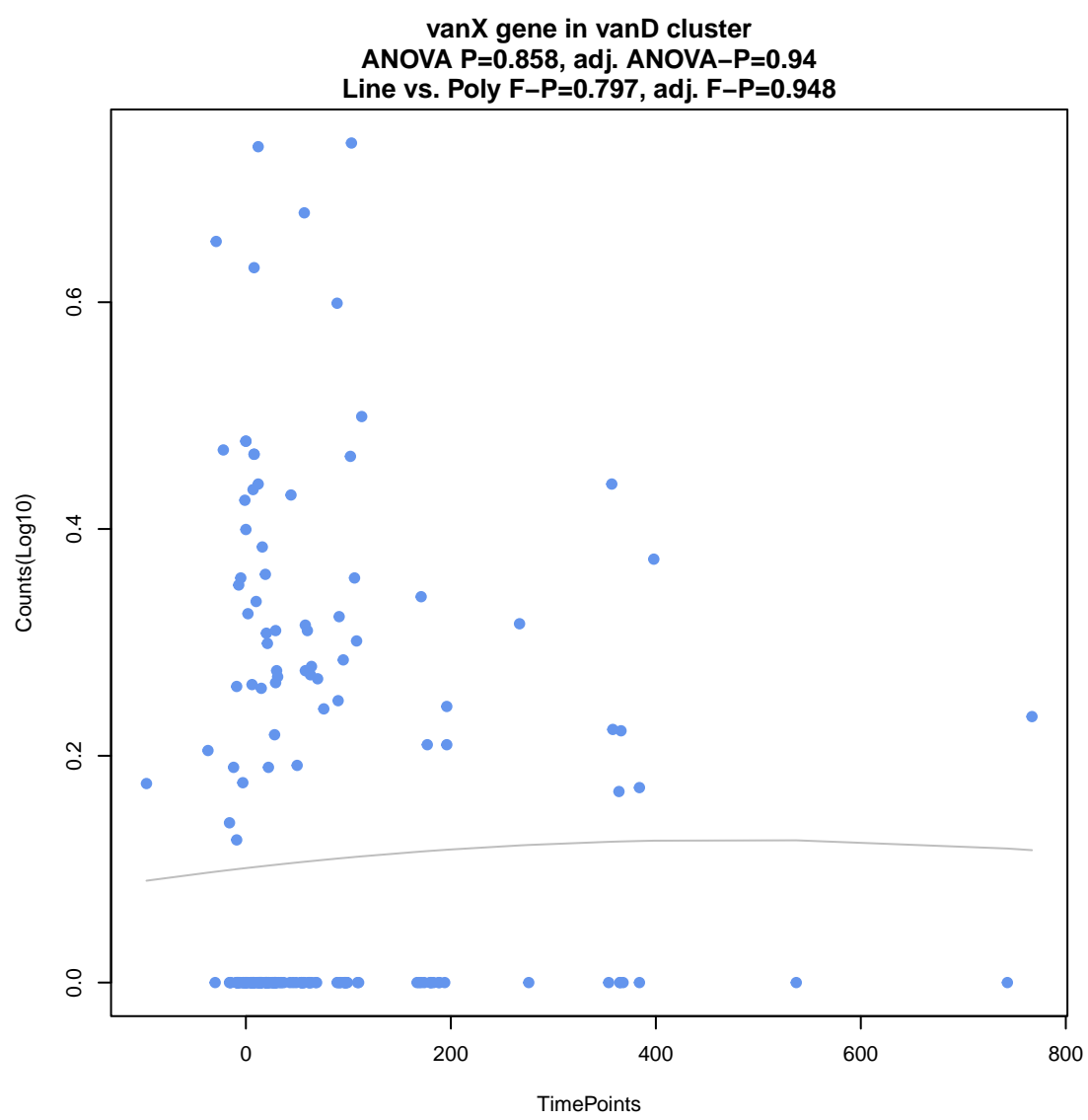
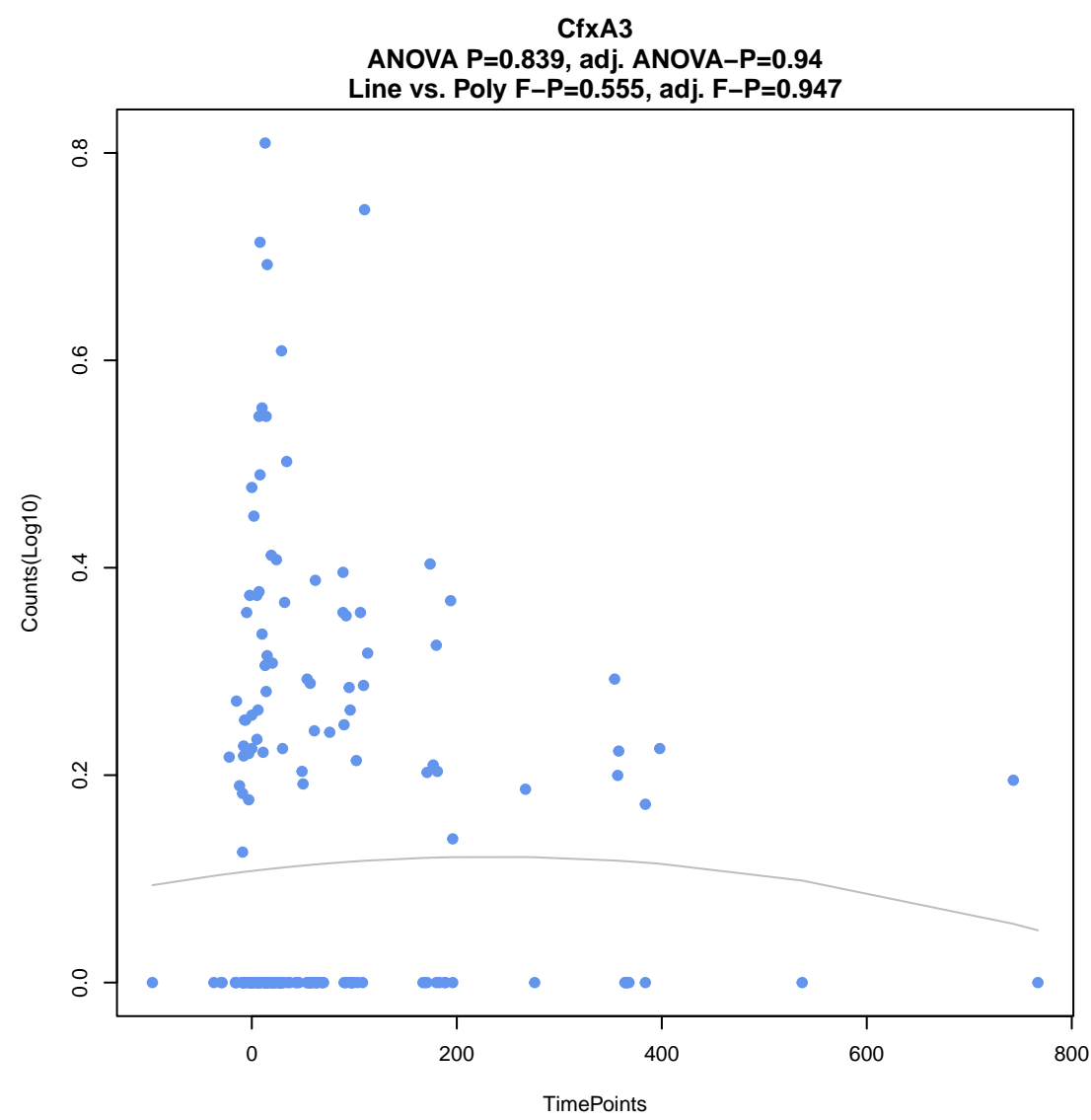
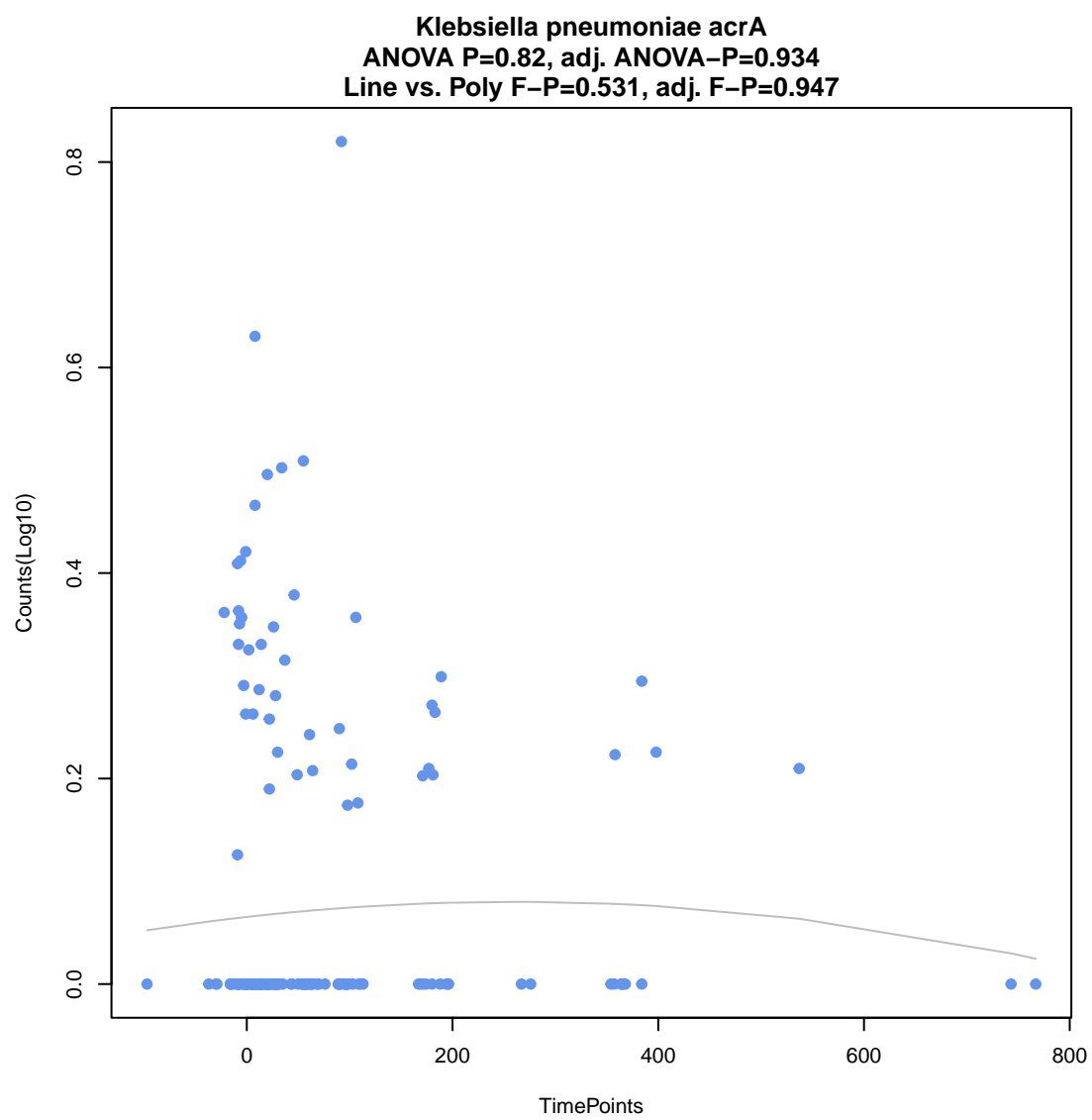
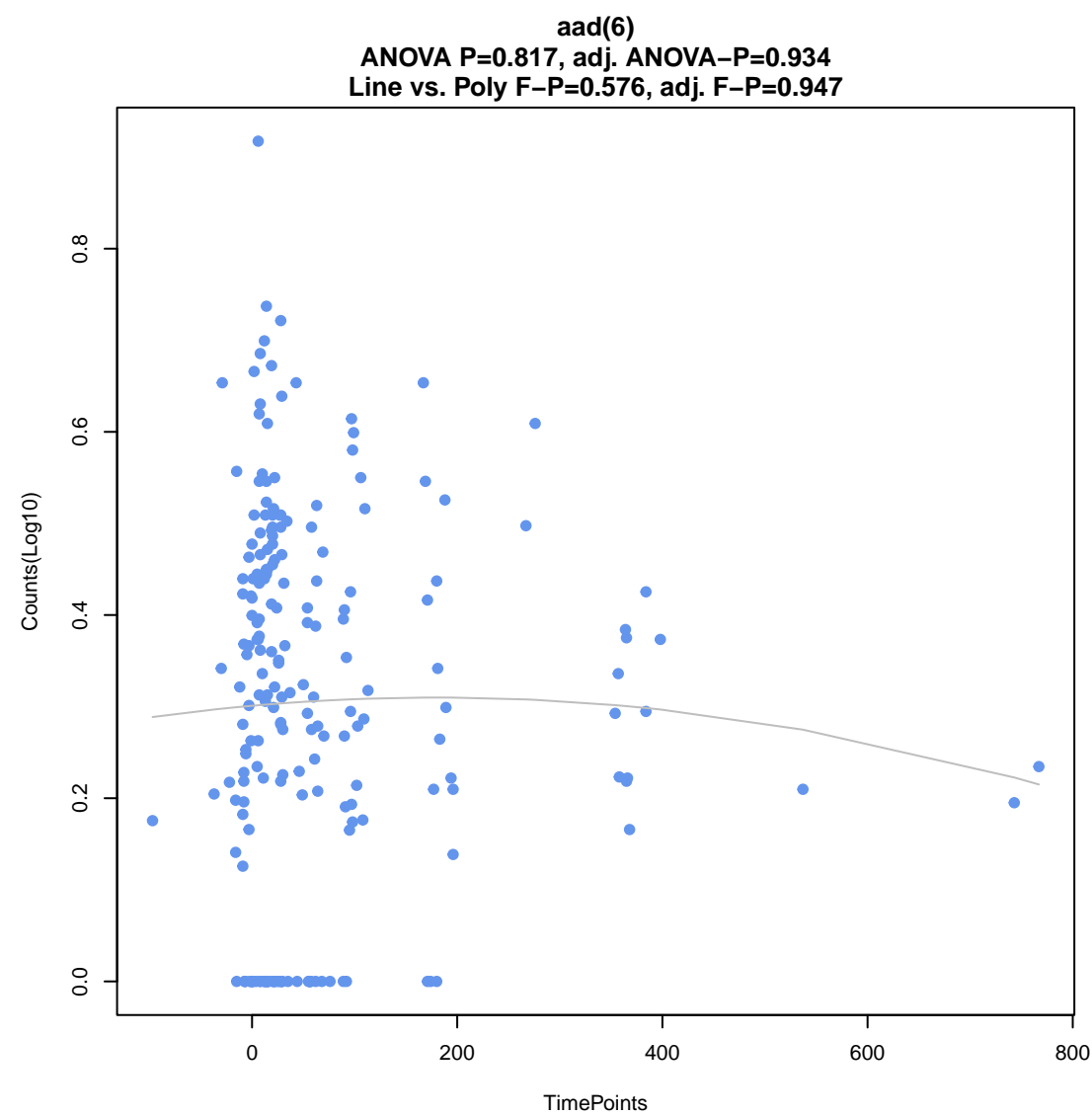
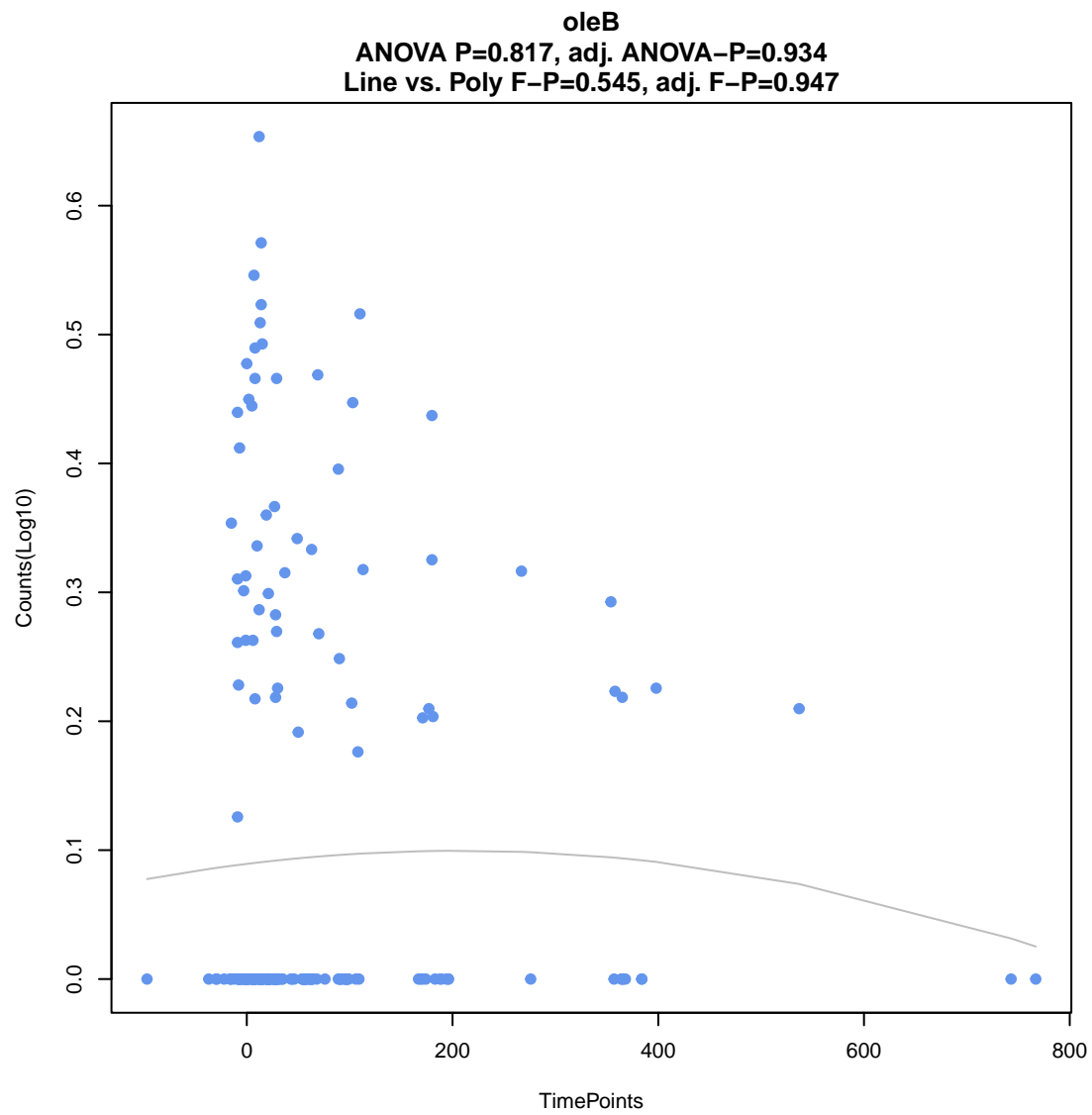
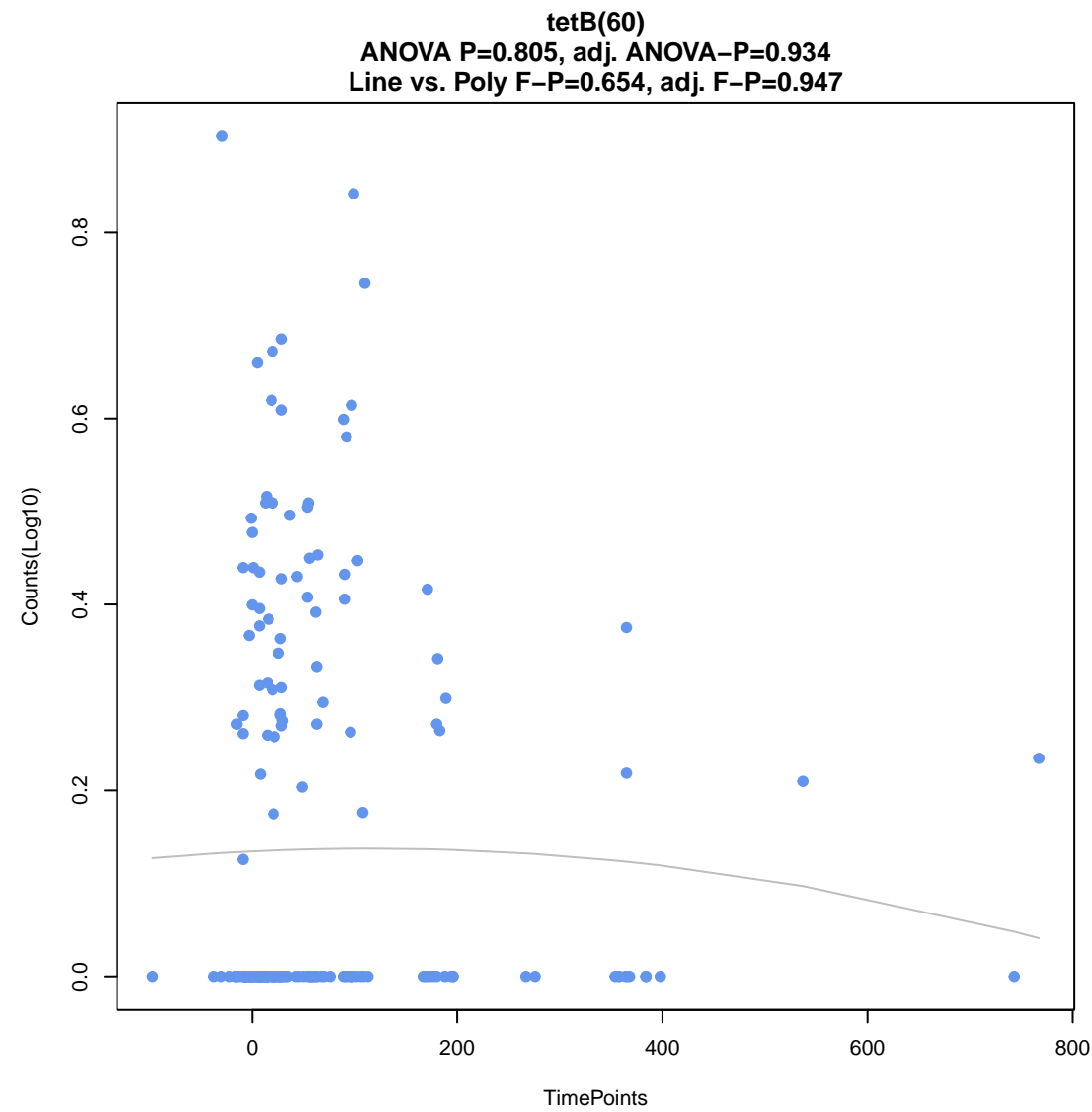
ANOVA P=0.78, adj. ANOVA-P=0.933
Line vs. Poly F-P=0.932, adj. F-P=0.948



Klebsiella pneumoniae KpnH

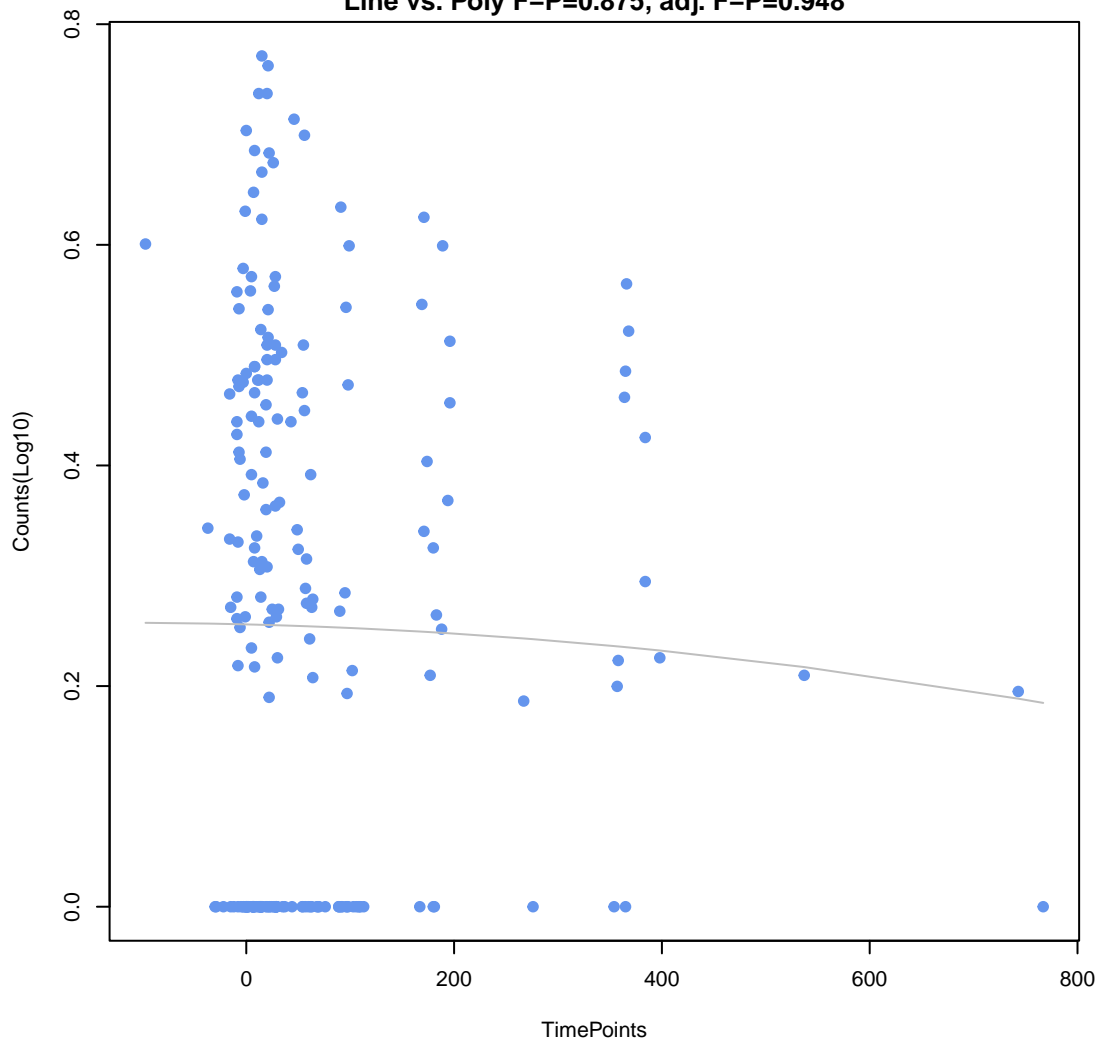
ANOVA P=0.785, adj. ANOVA-P=0.933
Line vs. Poly F-P=0.486, adj. F-P=0.947





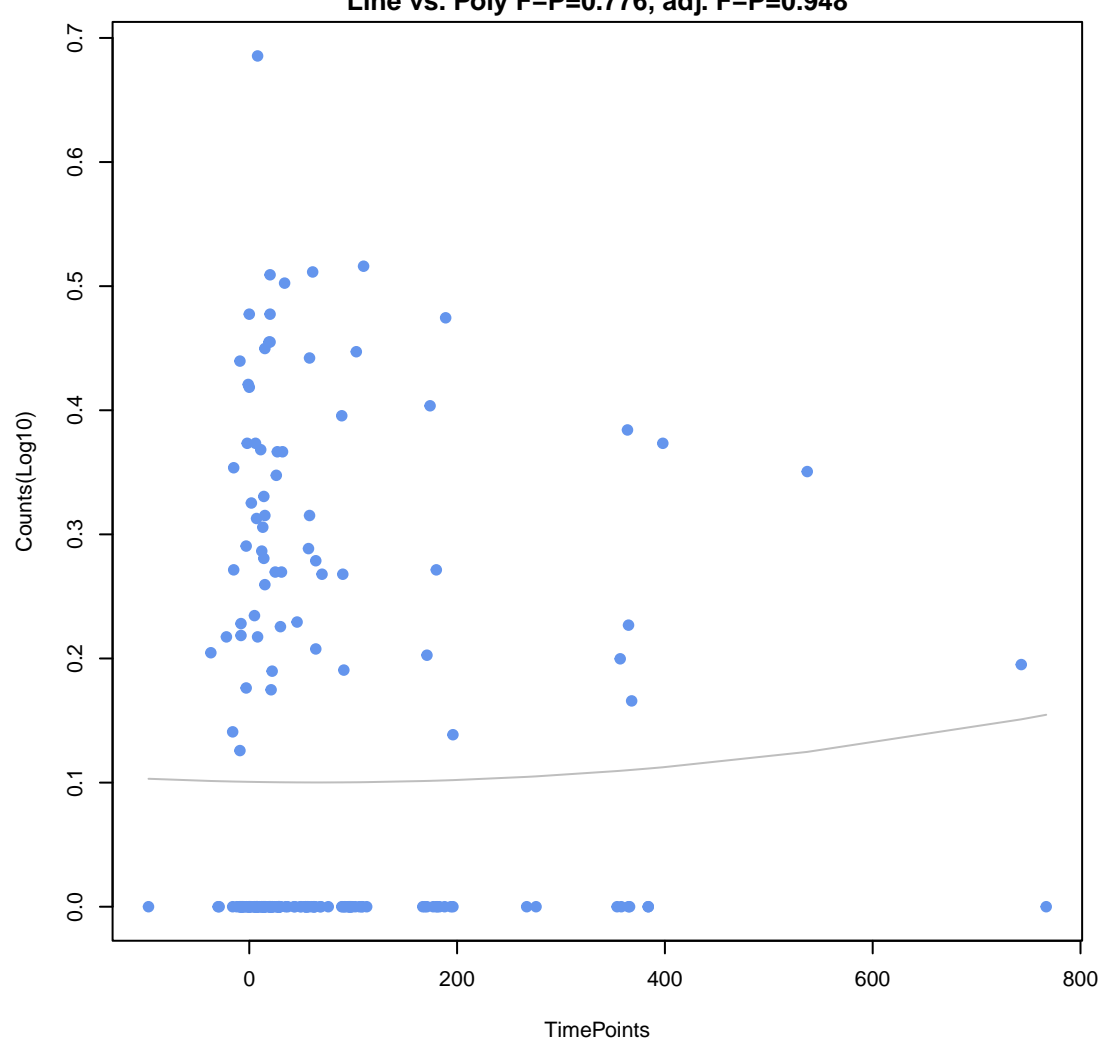
evgS

ANOVA P=0.876, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.875, adj. F-P=0.948



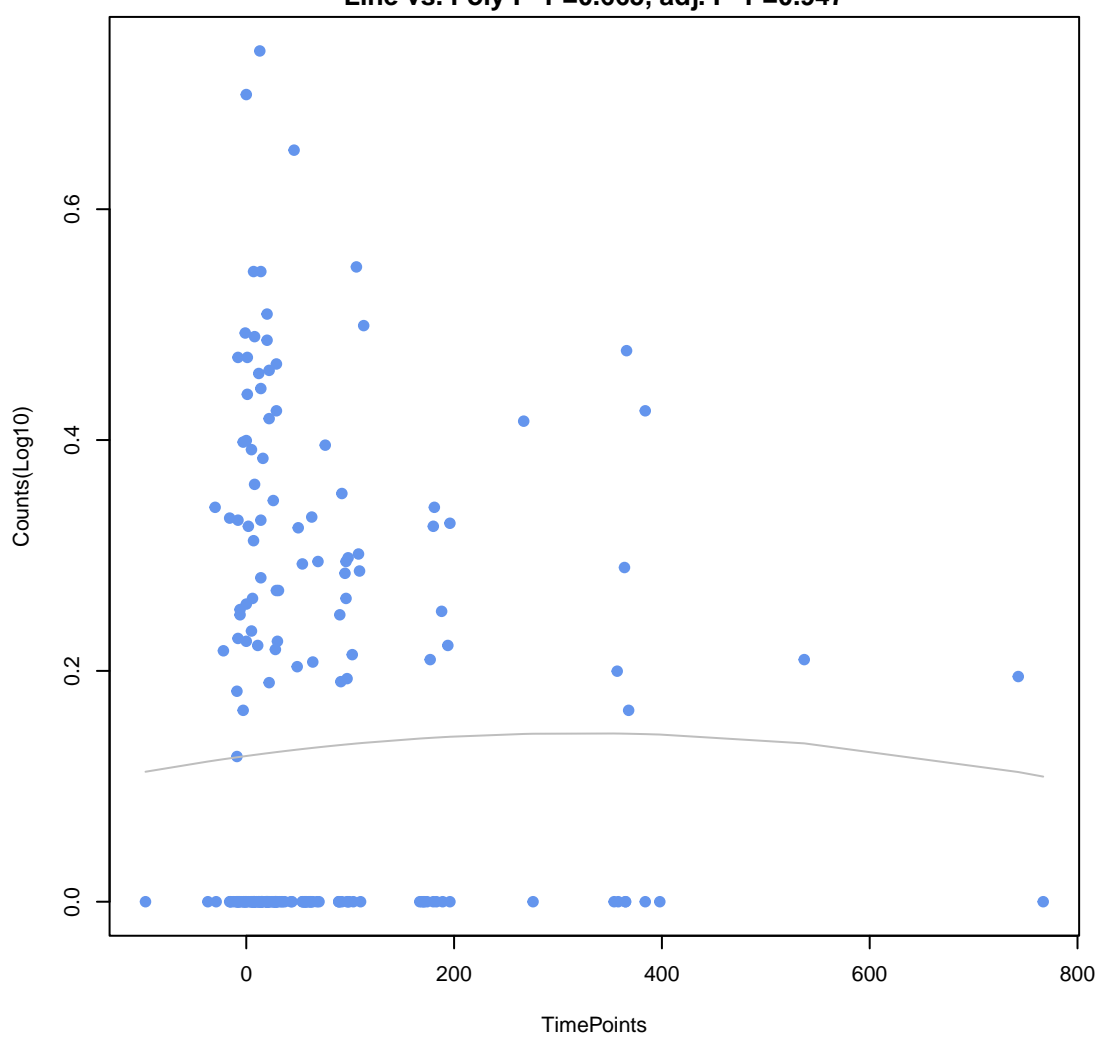
APH(3'')-lb

ANOVA P=0.879, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.776, adj. F-P=0.948



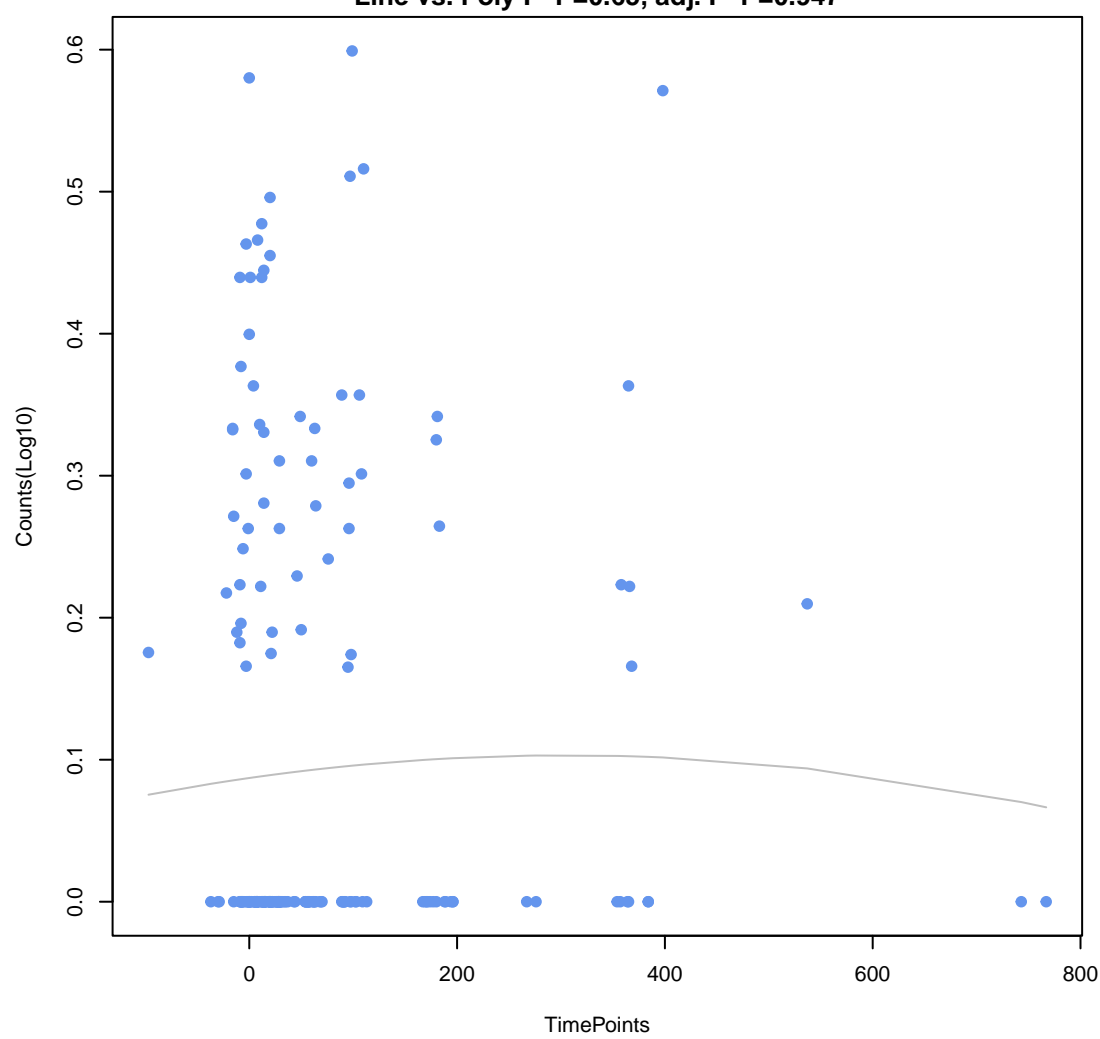
MuxC

ANOVA P=0.879, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.665, adj. F-P=0.947



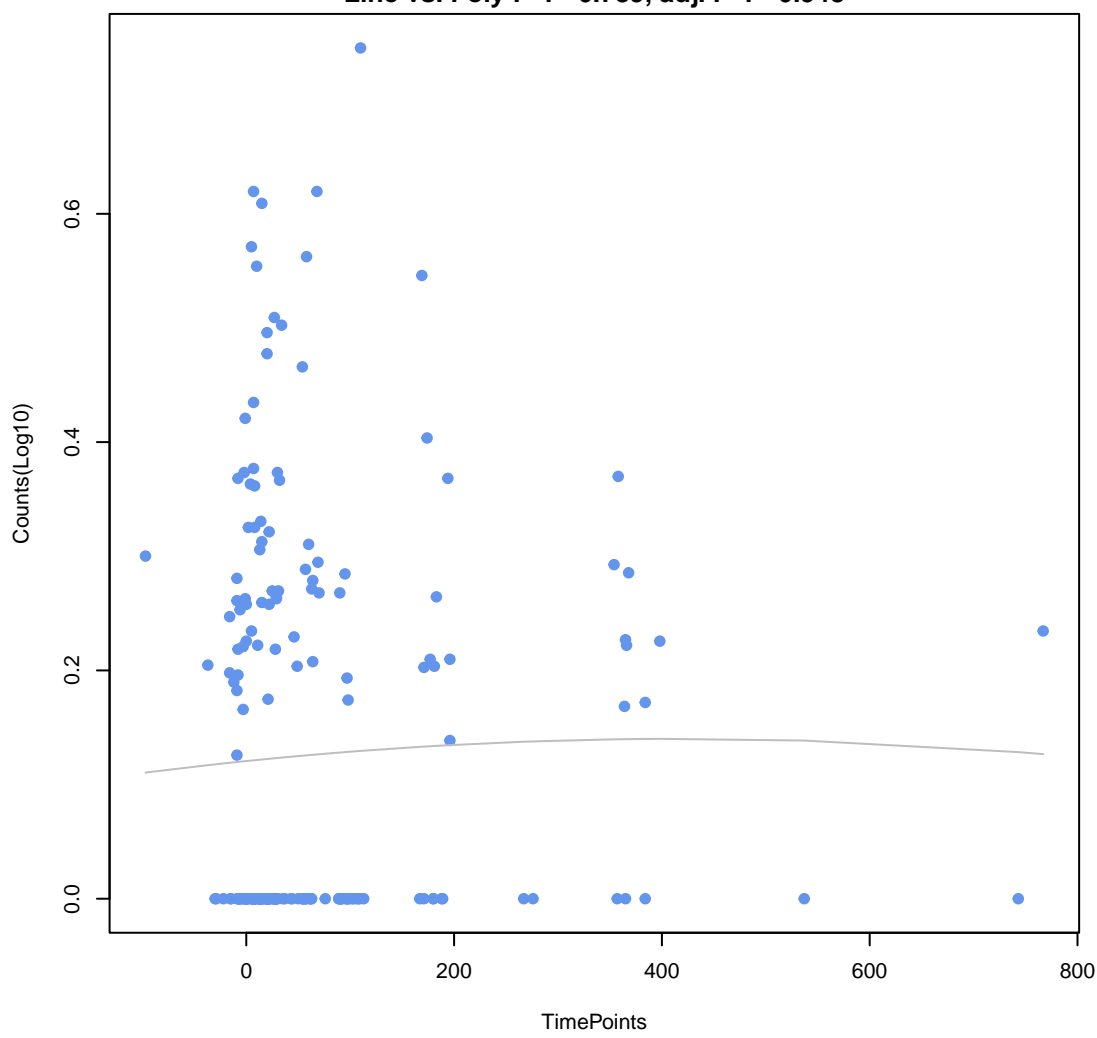
TaeA

ANOVA P=0.881, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.65, adj. F-P=0.947



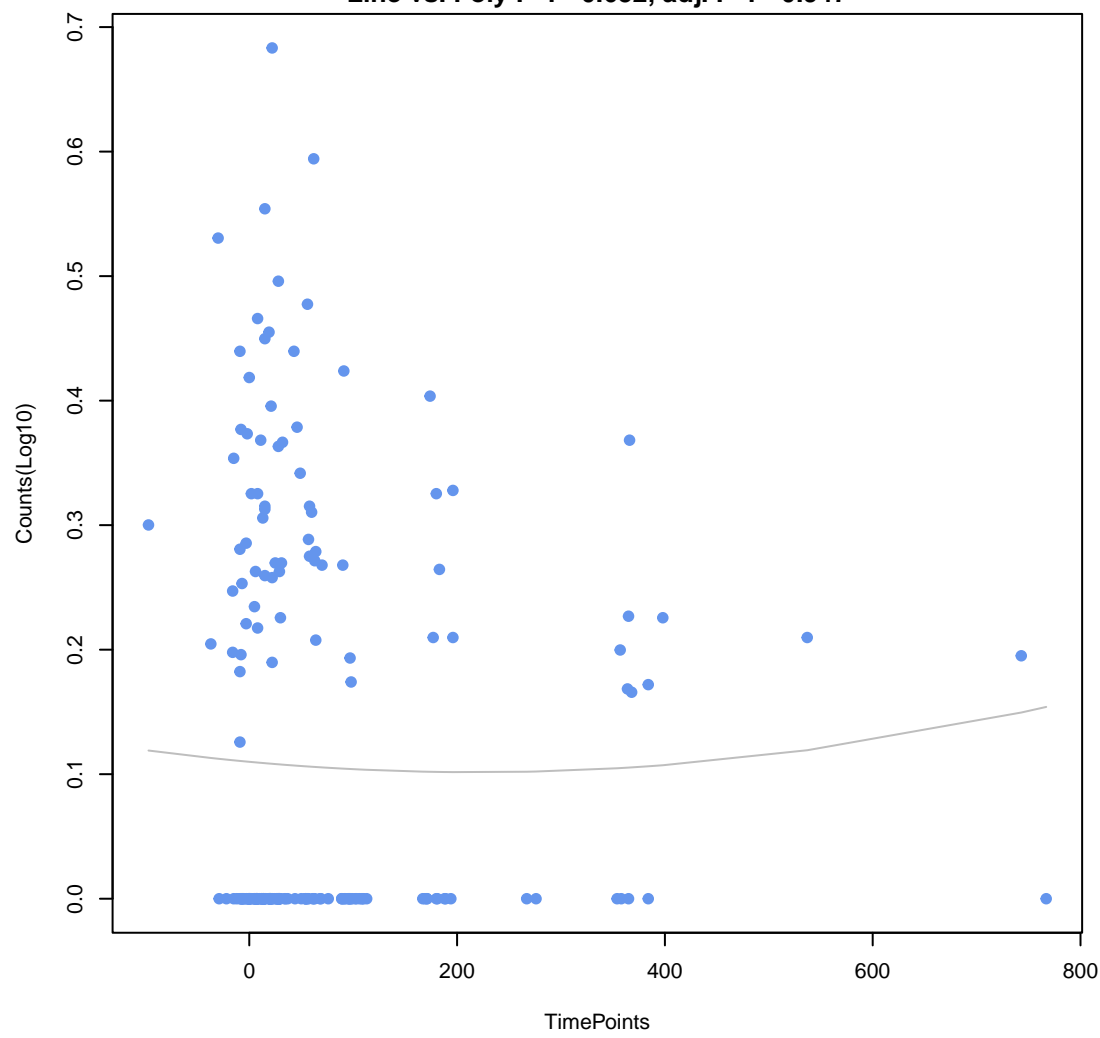
AcrE

ANOVA P=0.897, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.789, adj. F-P=0.948

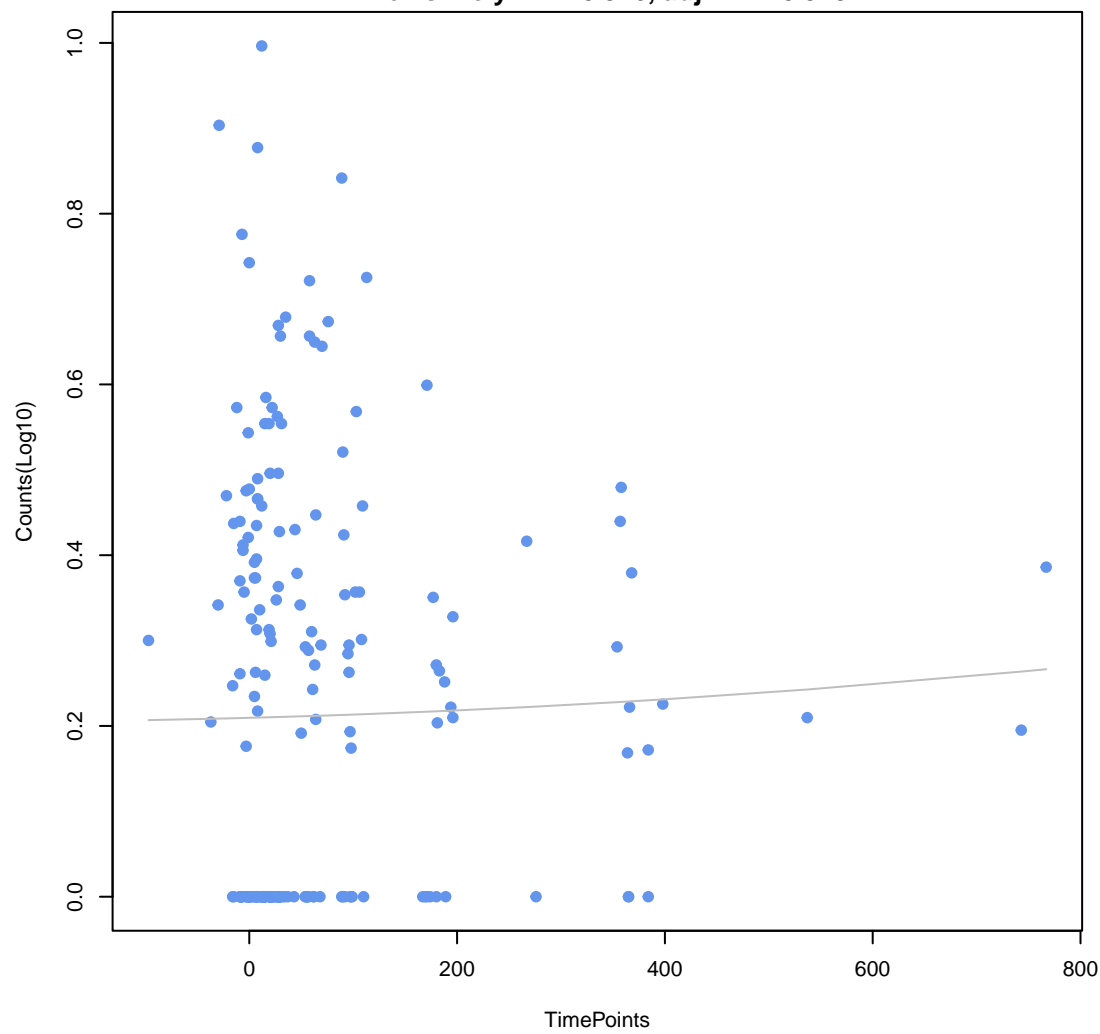


emrK

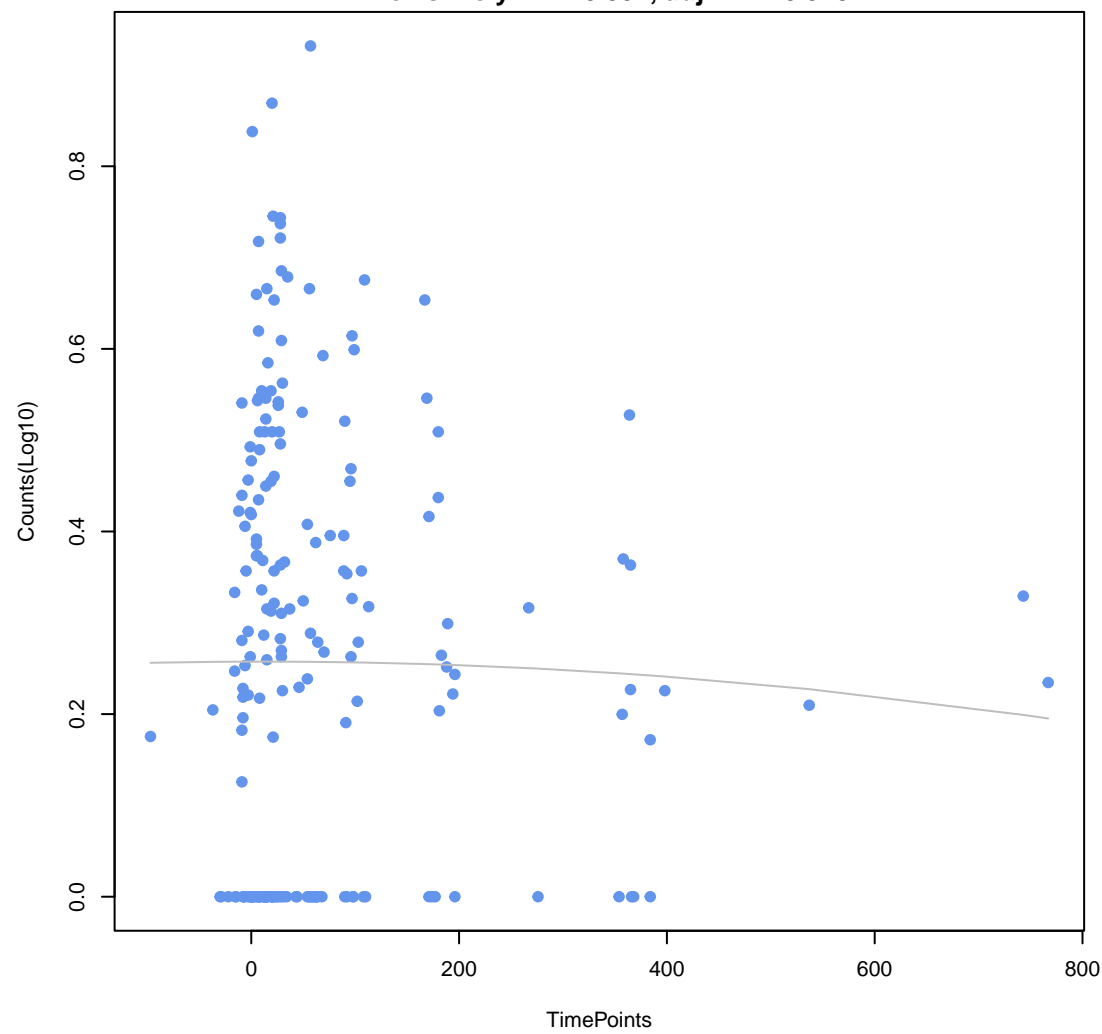
ANOVA P=0.899, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.652, adj. F-P=0.947



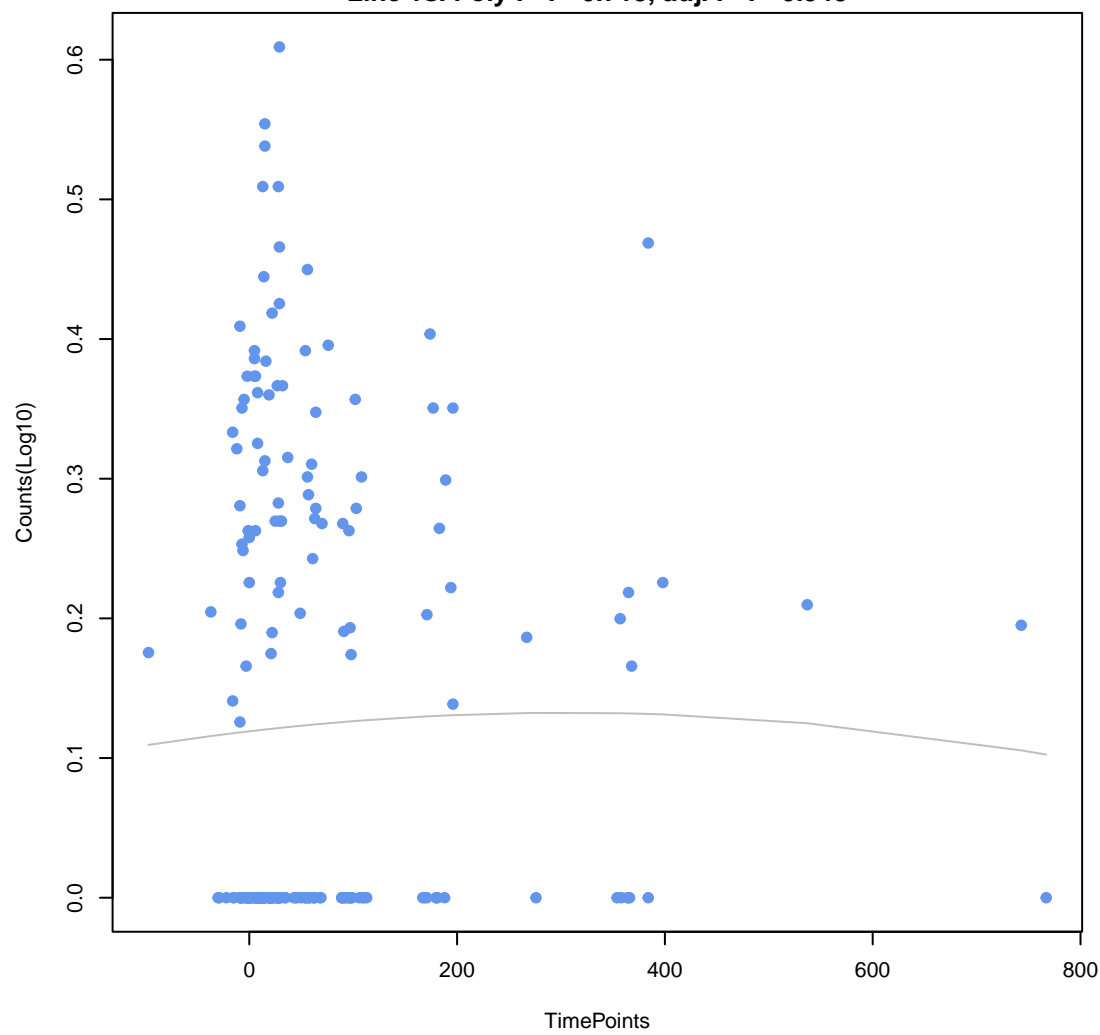
vanR gene in vanD cluster
ANOVA P=0.911, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.926, adj. F-P=0.948



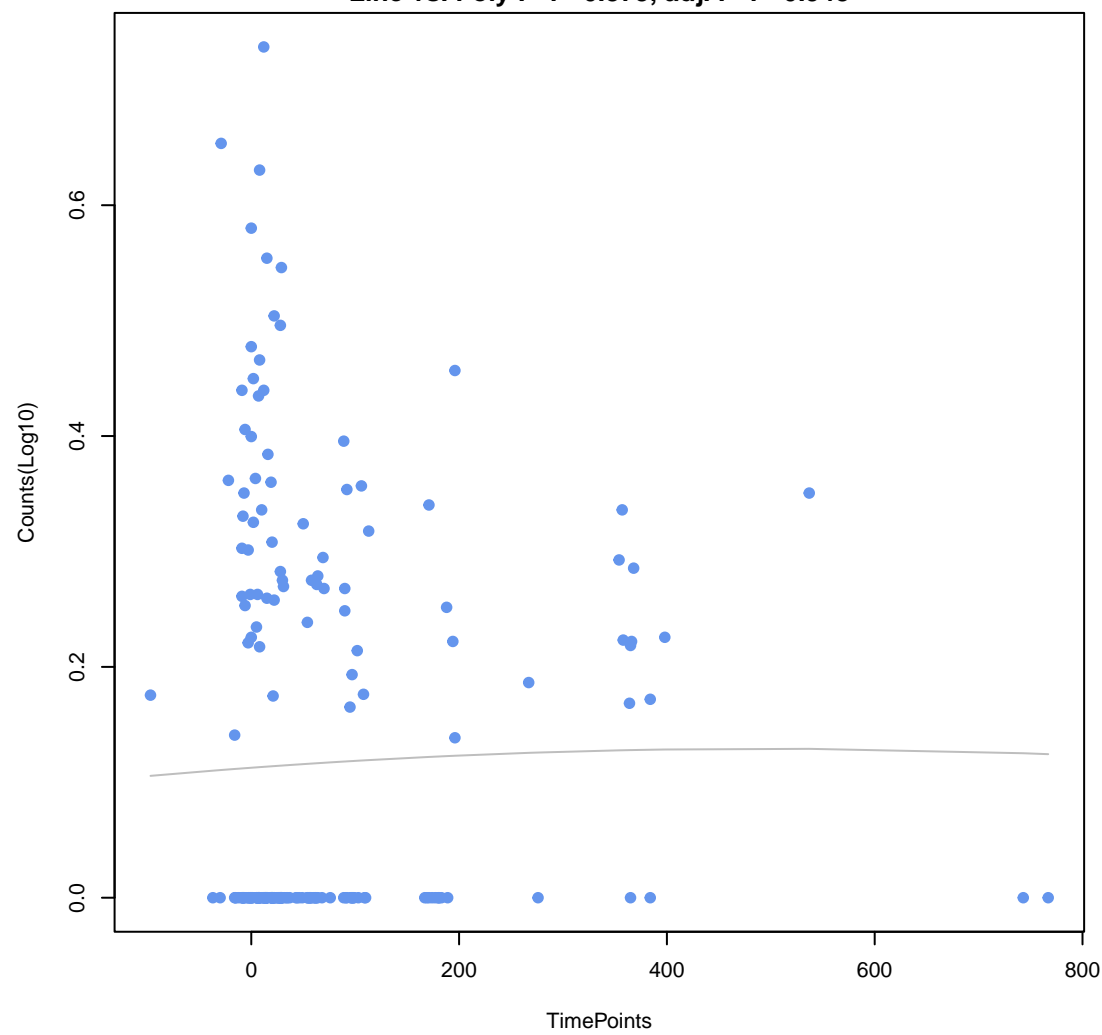
fexA
ANOVA P=0.919, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.851, adj. F-P=0.948



kdpE
ANOVA P=0.922, adj. ANOVA-P=0.94
Line vs. Poly F-P=0.718, adj. F-P=0.948



vanS gene in vanD cluster
ANOVA P=0.934, adj. ANOVA-P=0.943
Line vs. Poly F-P=0.873, adj. F-P=0.948



mdtP
ANOVA P=0.977, adj. ANOVA-P=0.977
Line vs. Poly F-P=0.831, adj. F-P=0.948

