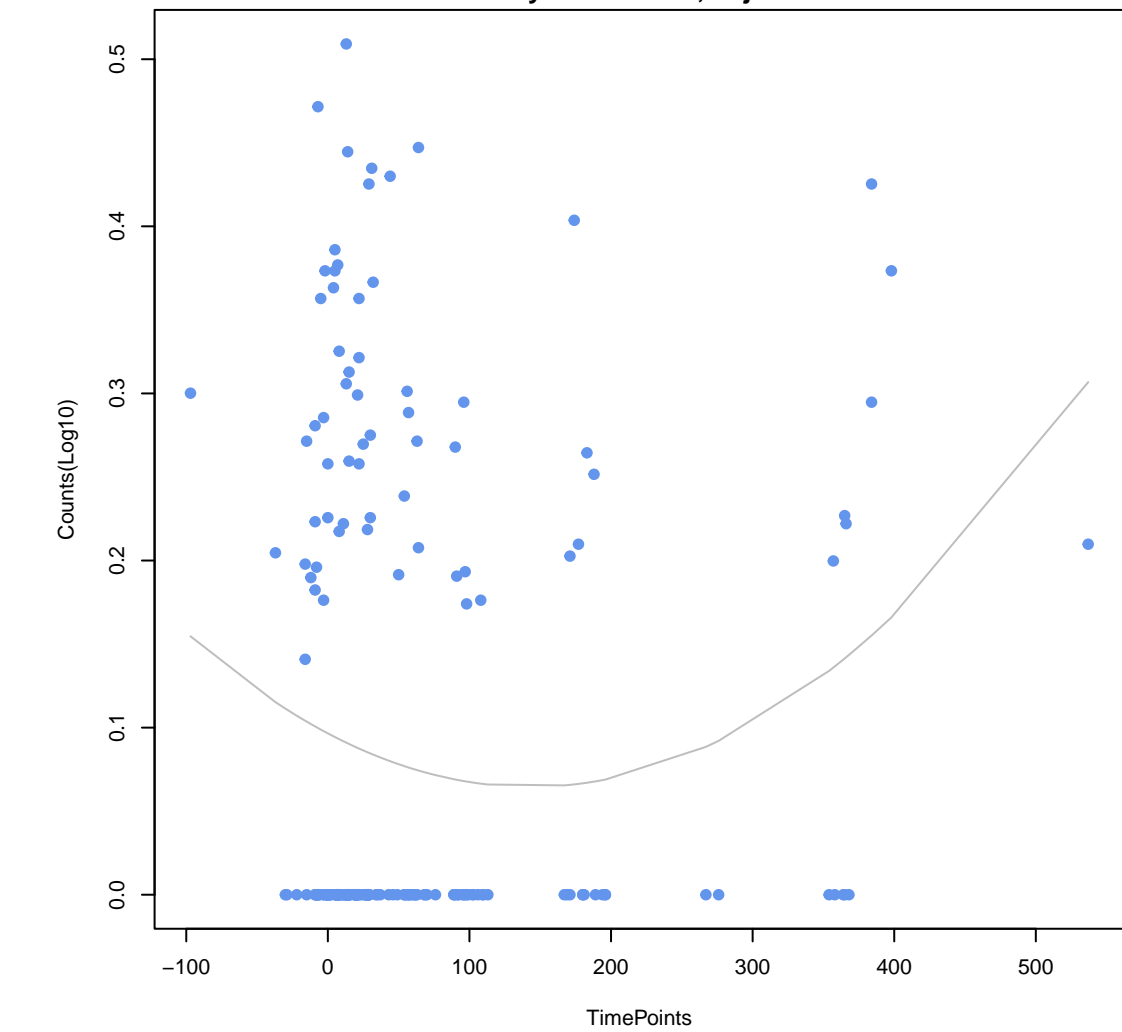
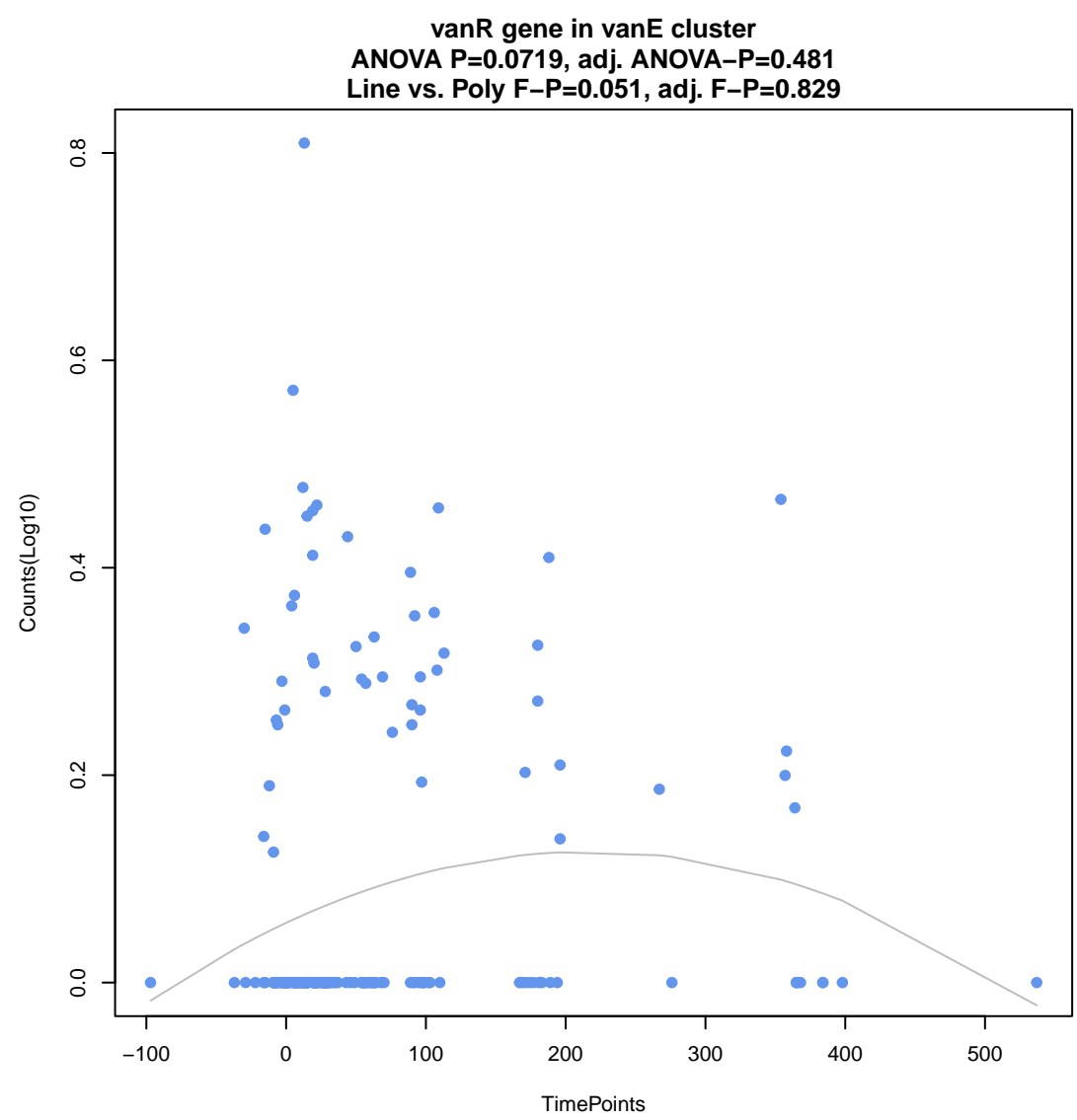
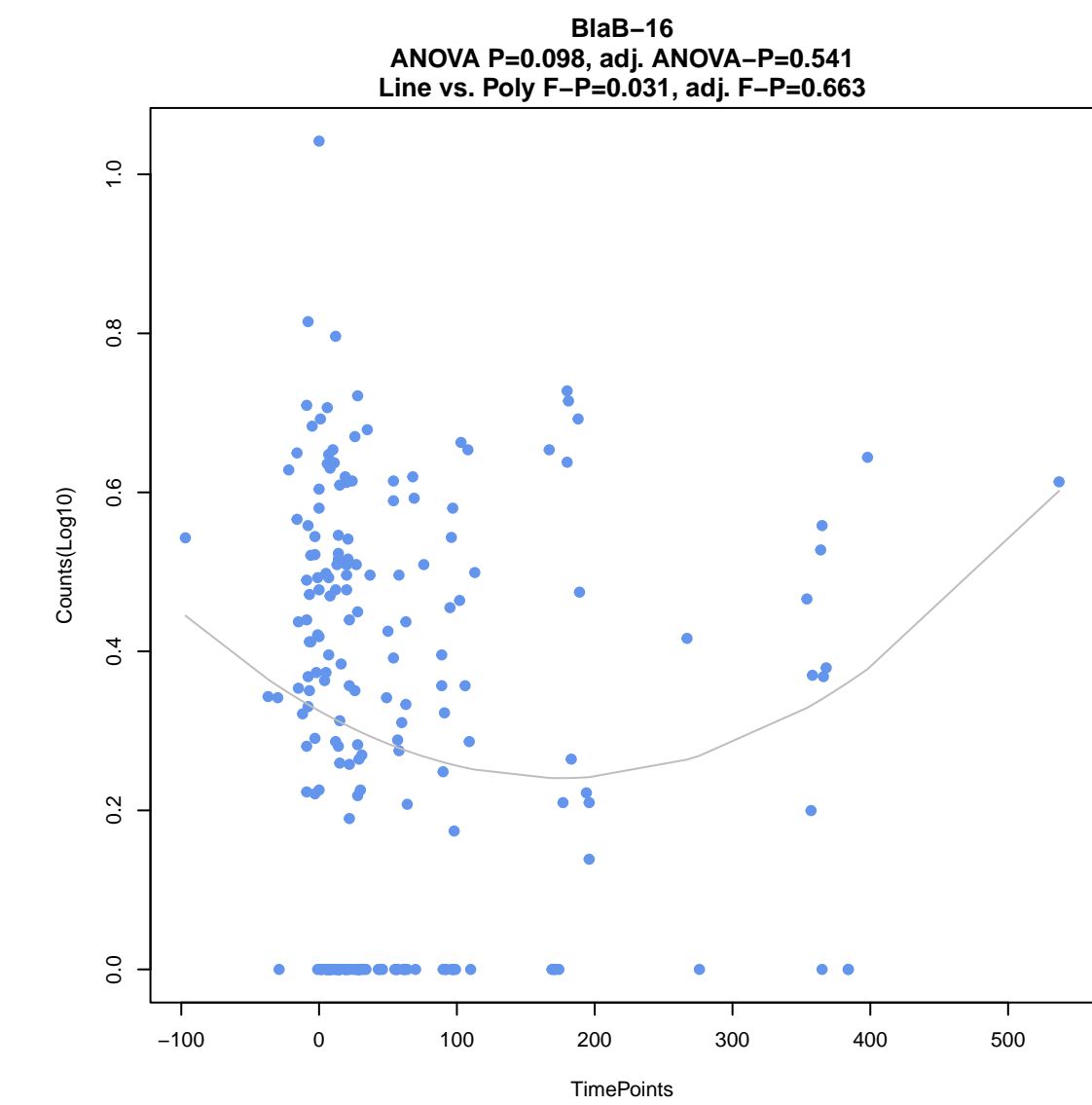
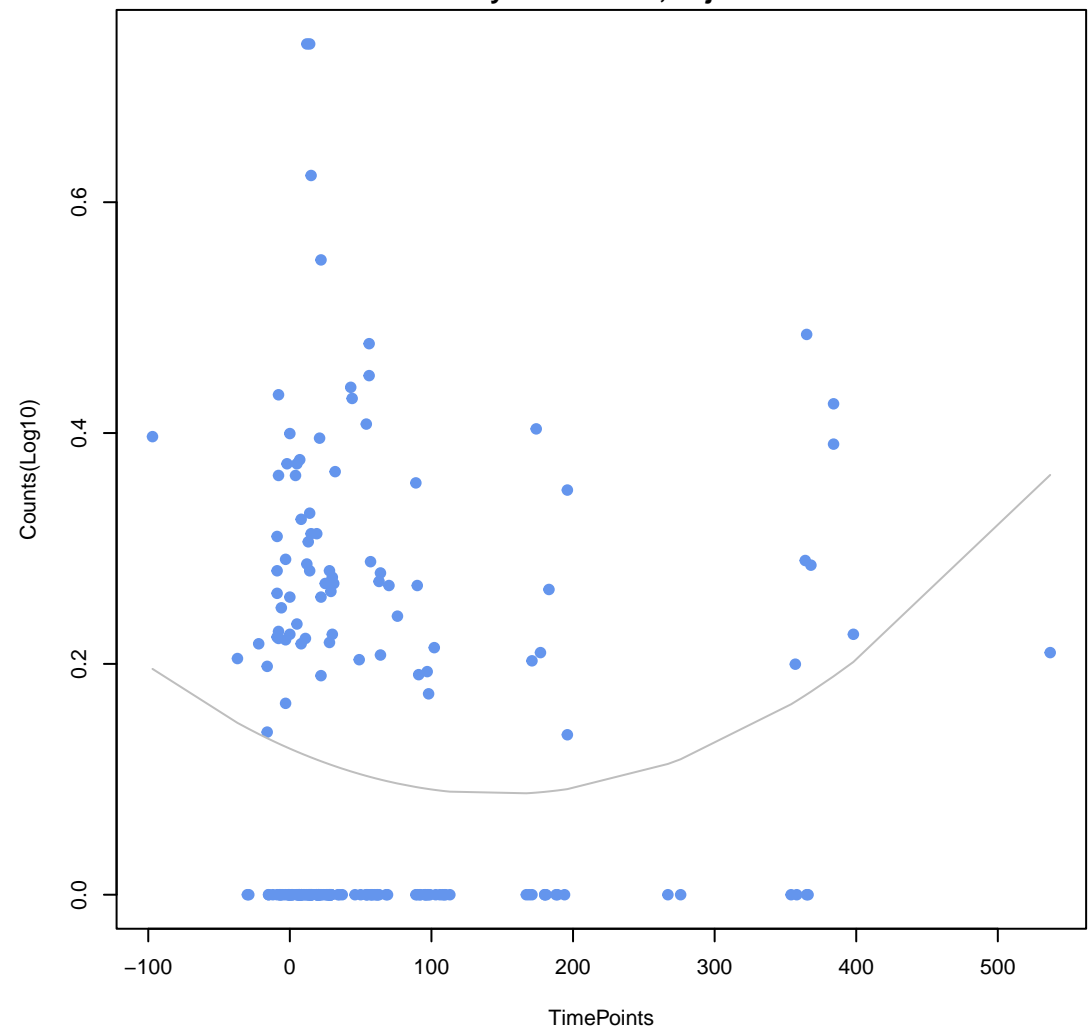


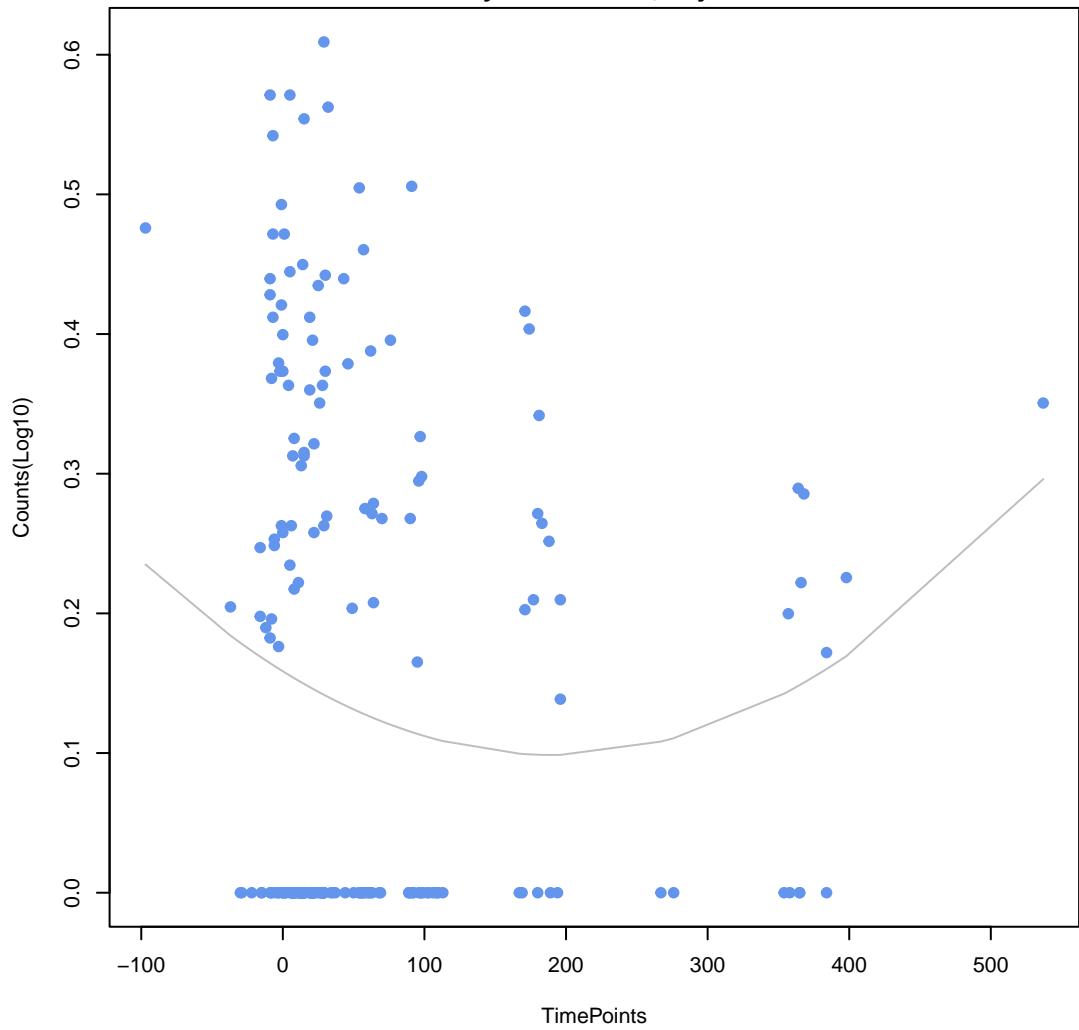
Shigella flexneri AcrAB-TolC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline
ANOVA $P=0.0555$, adj. ANOVA- $P=0.481$
Line vs. Poly F- $P=0.0268$, adj. F- $P=0.663$



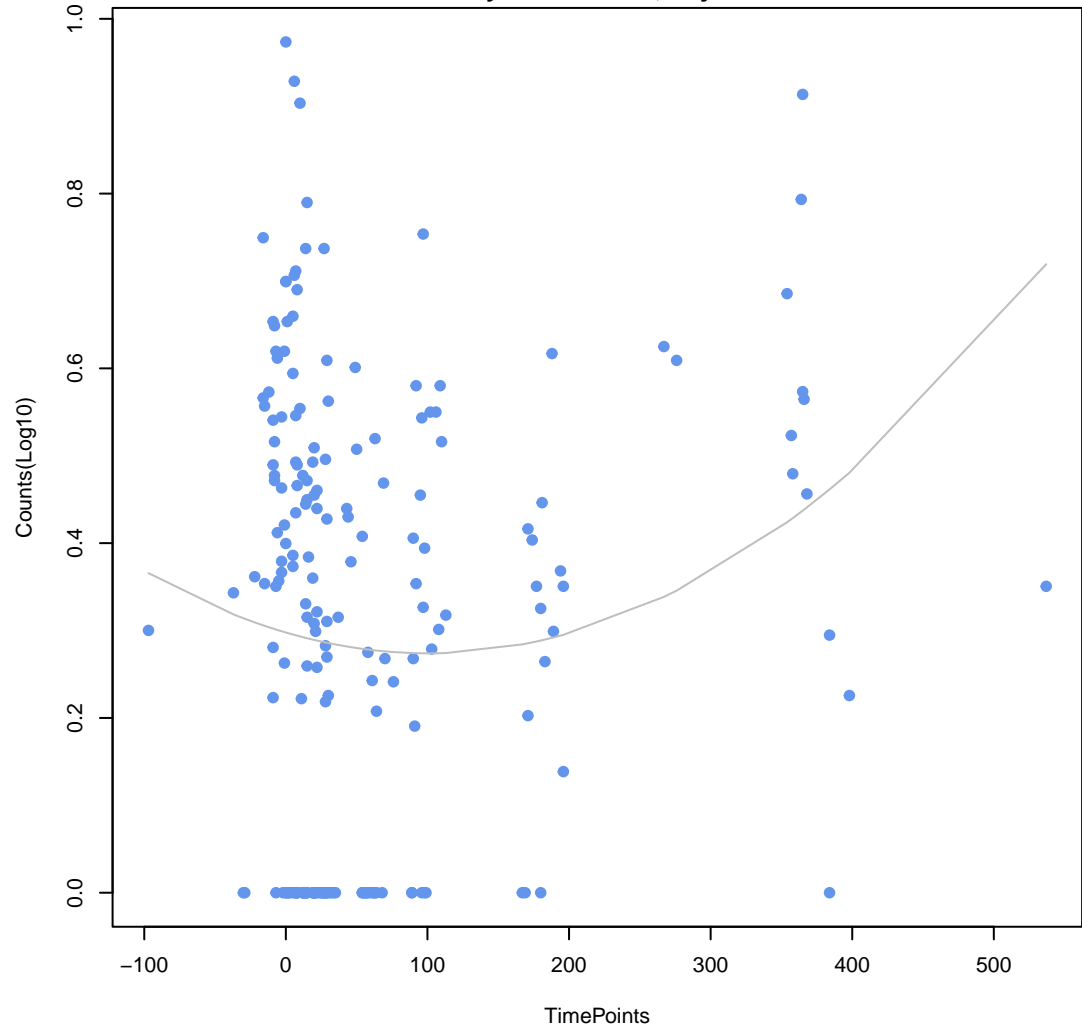
mdtA
ANOVA $P=0.0633$, adj. ANOVA- $P=0.481$
Line vs. Poly F- $P=0.0274$, adj. F- $P=0.663$



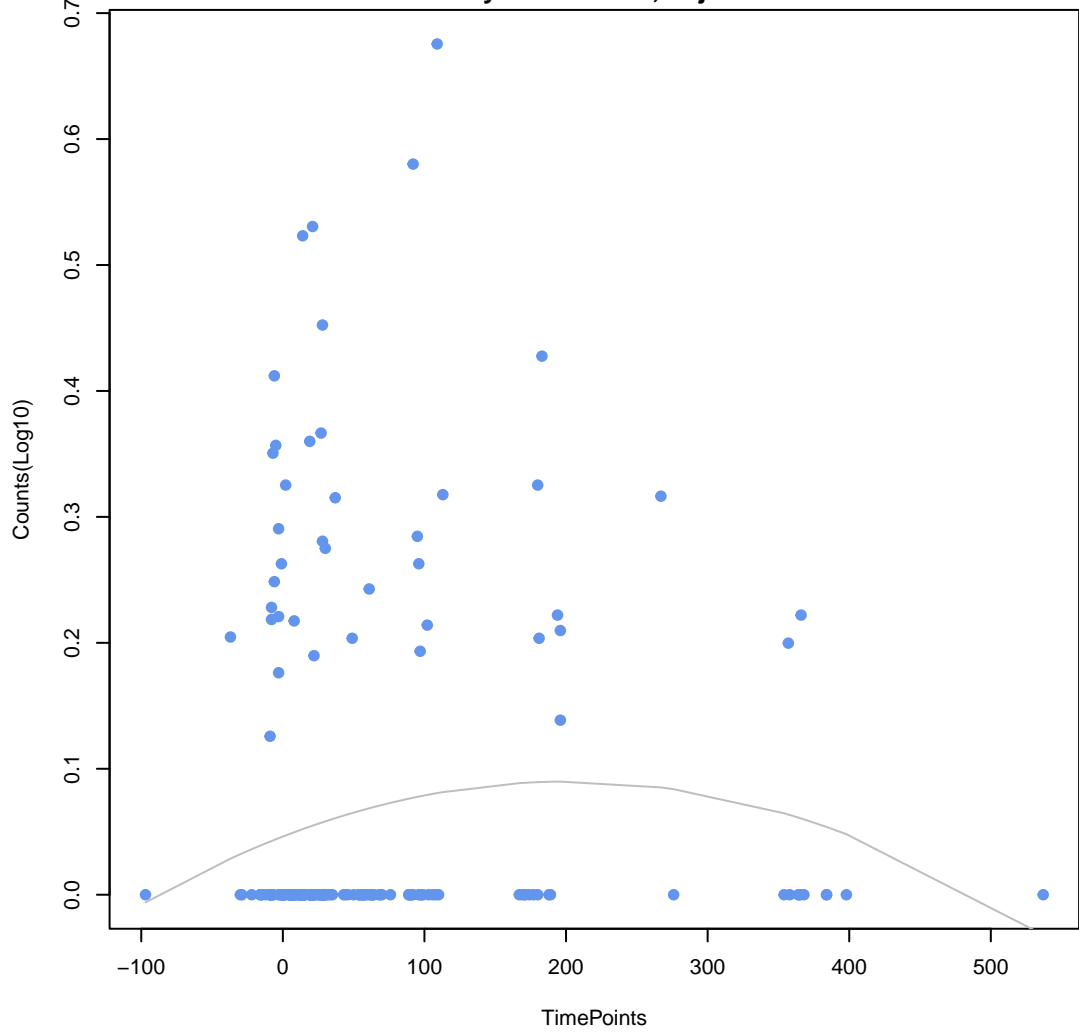
YojI
ANOVA P=0.172, adj. ANOVA-P=0.649
Line vs. Poly F-P=0.0681, adj. F-P=0.829



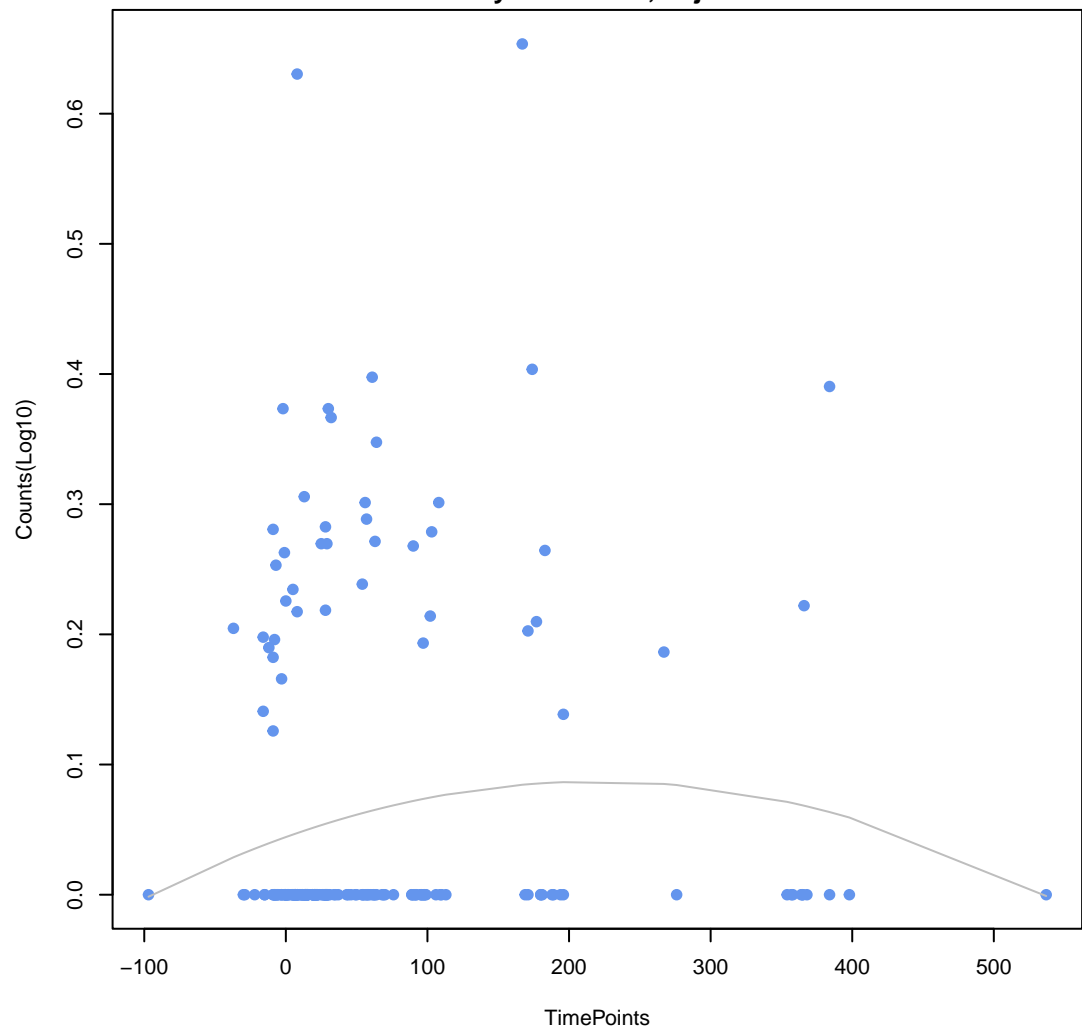
BlaB-38
ANOVA P=0.0342, adj. ANOVA-P=0.422
Line vs. Poly F-P=0.0685, adj. F-P=0.829



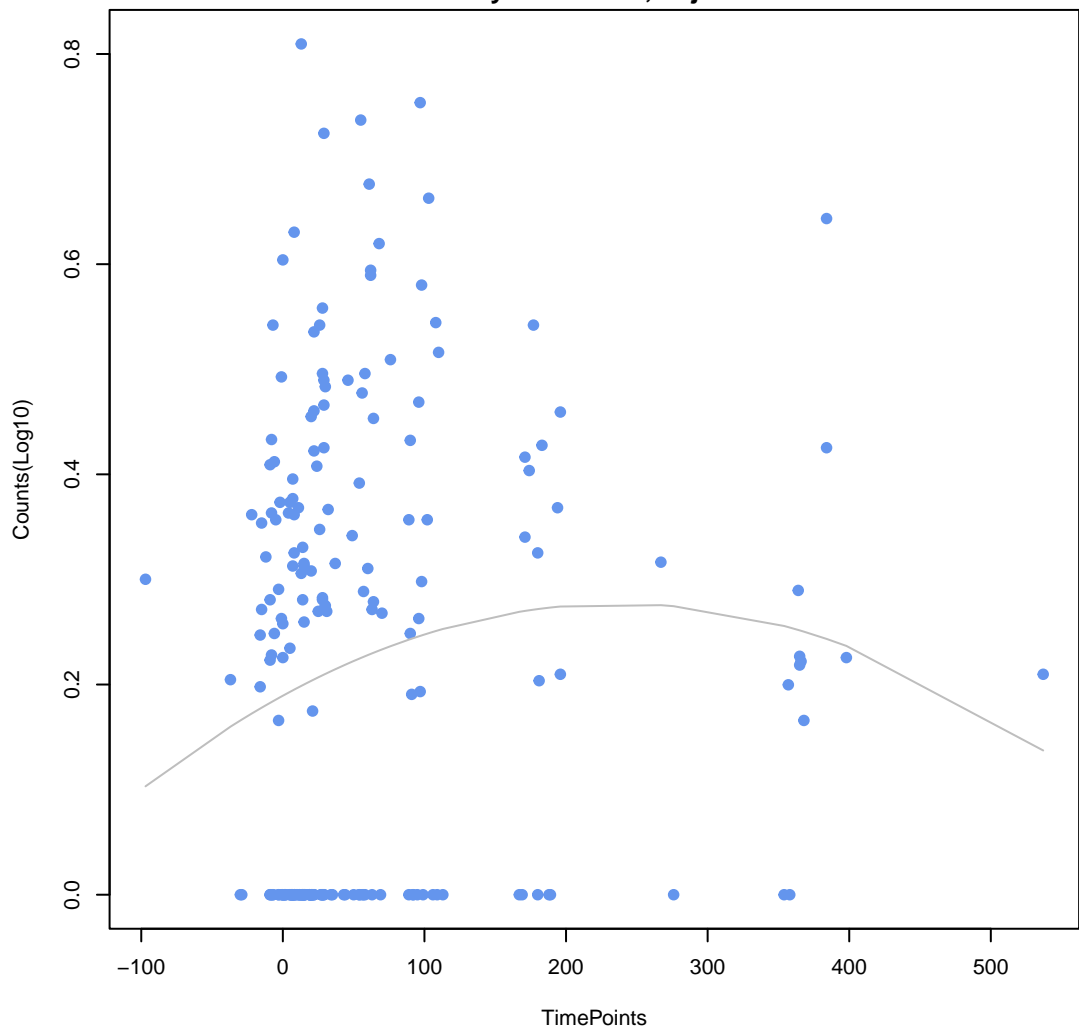
adeA
ANOVA P=0.202, adj. ANOVA-P=0.697
Line vs. Poly F-P=0.0955, adj. F-P=0.829



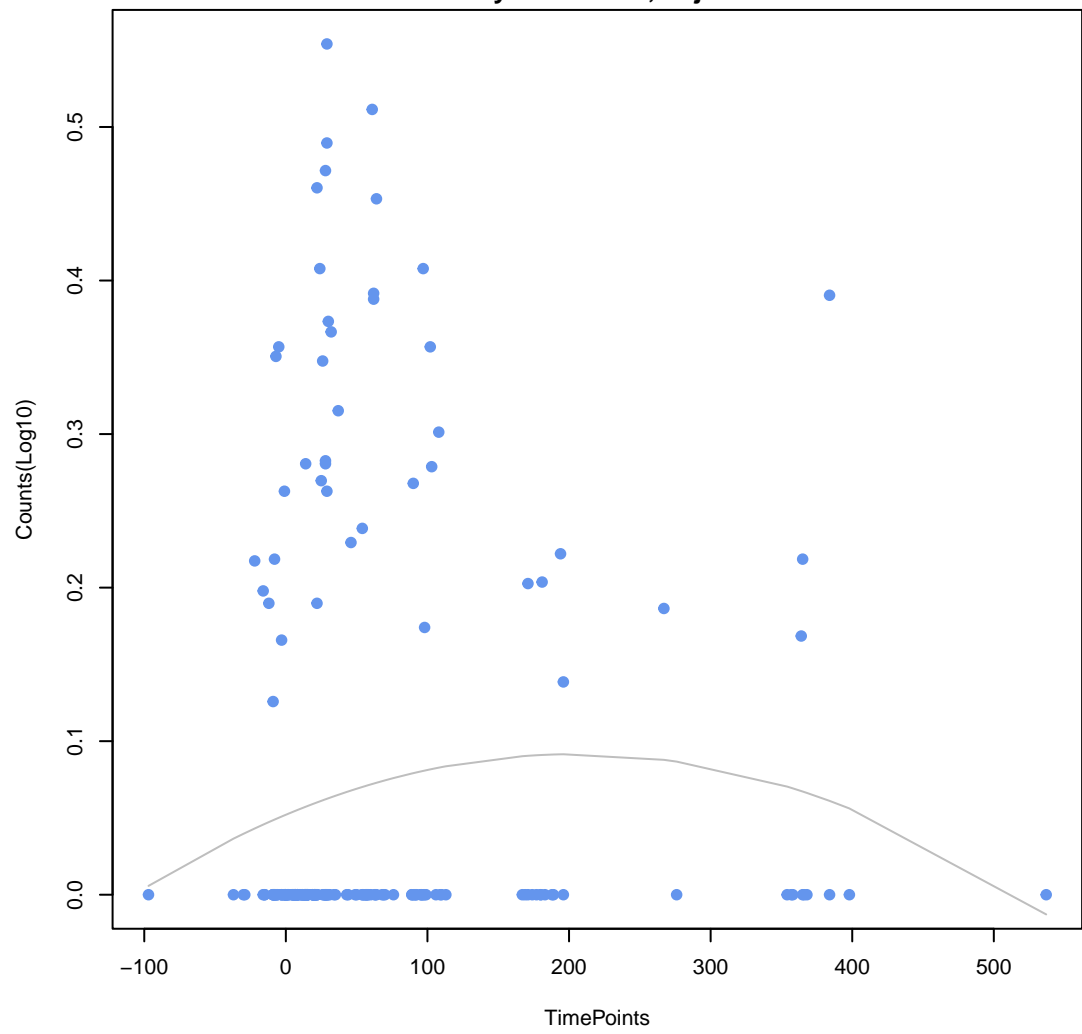
Escherichia coli GlpT with mutation conferring resistance to fosfomycin
ANOVA P=0.218, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.146, adj. F-P=0.829



CRP
ANOVA P=0.152, adj. ANOVA-P=0.649
Line vs. Poly F-P=0.149, adj. F-P=0.829

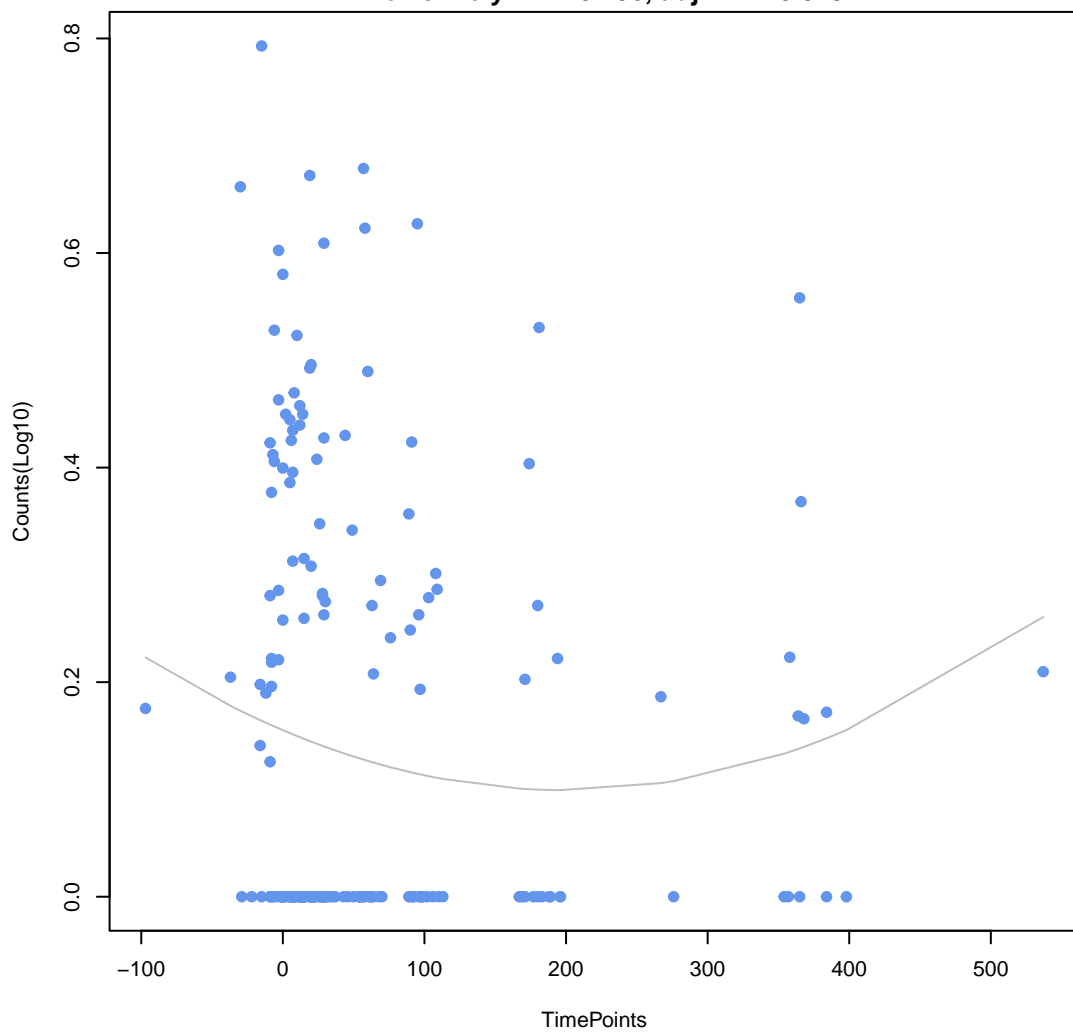


Escherichia coli UhpT with mutation conferring resistance to fosfomycin
ANOVA P=0.296, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.152, adj. F-P=0.829



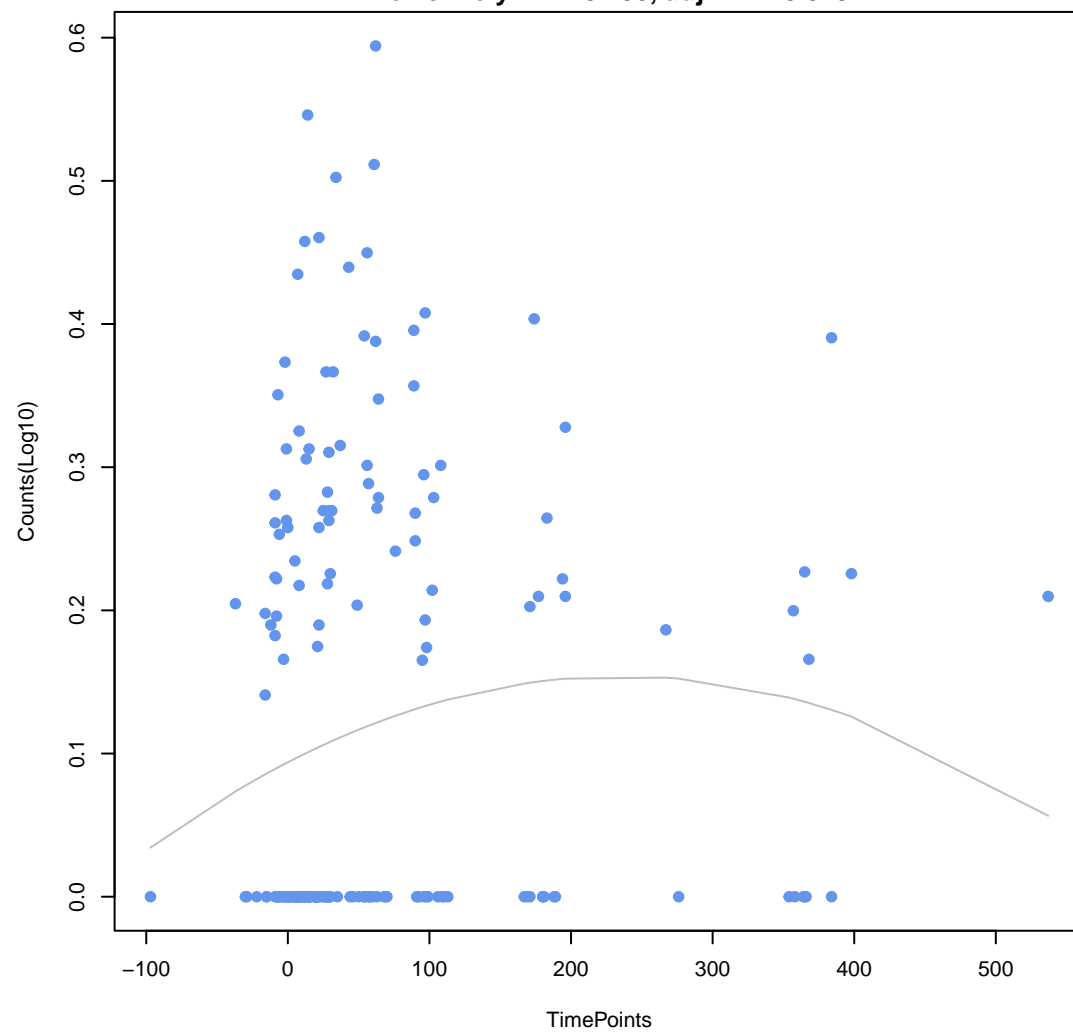
PDC-402

ANOVA P=0.322, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.156, adj. F-P=0.829



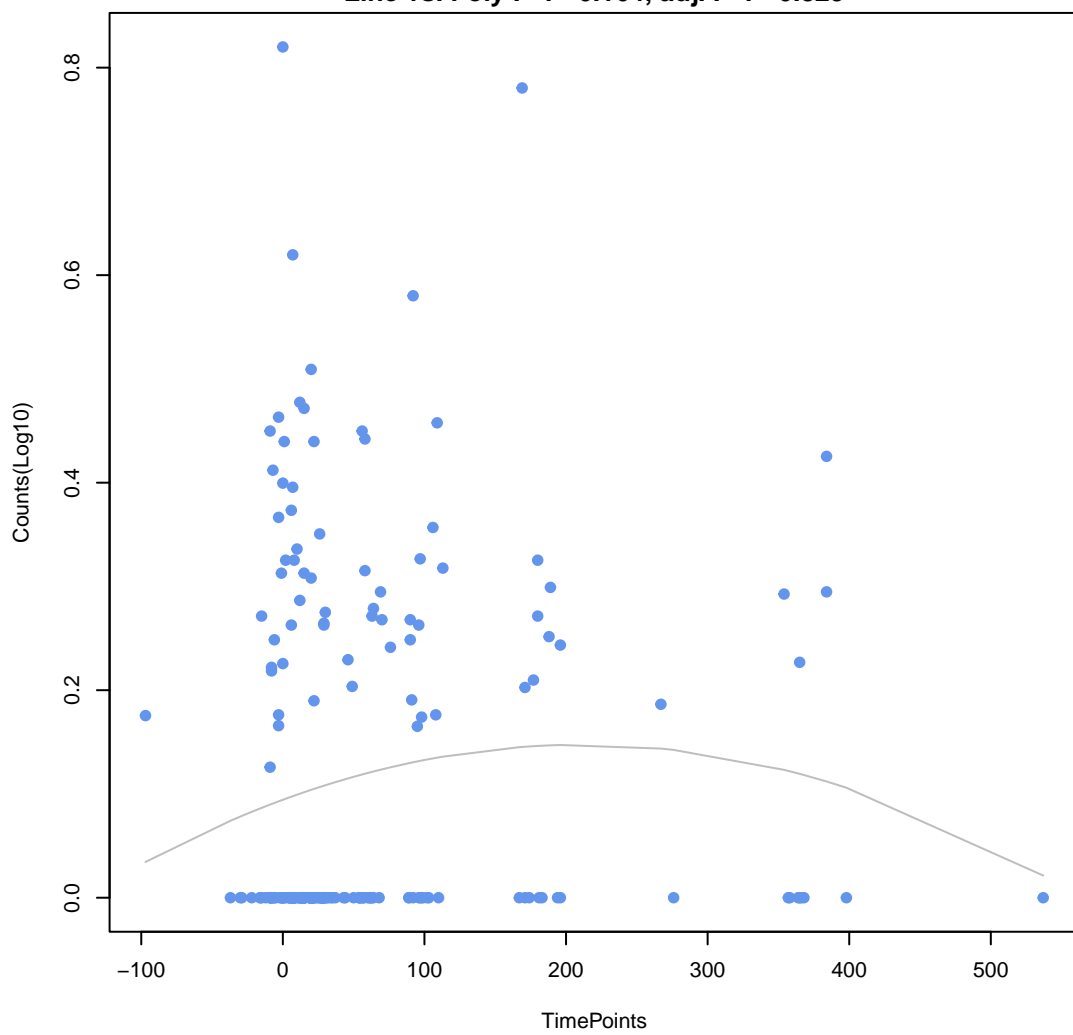
H-NS

ANOVA P=0.169, adj. ANOVA-P=0.649
Line vs. Poly F-P=0.158, adj. F-P=0.829



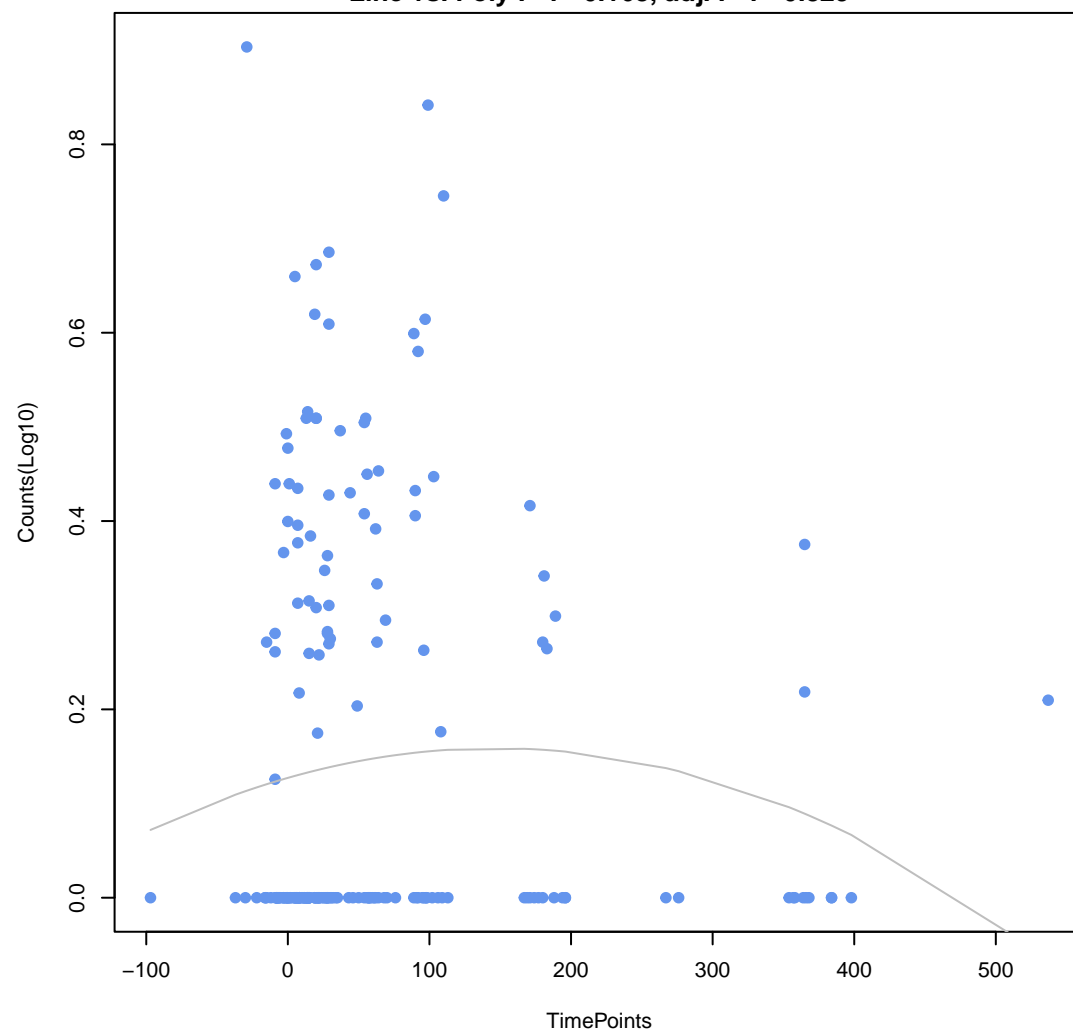
farB

ANOVA P=0.288, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.164, adj. F-P=0.829



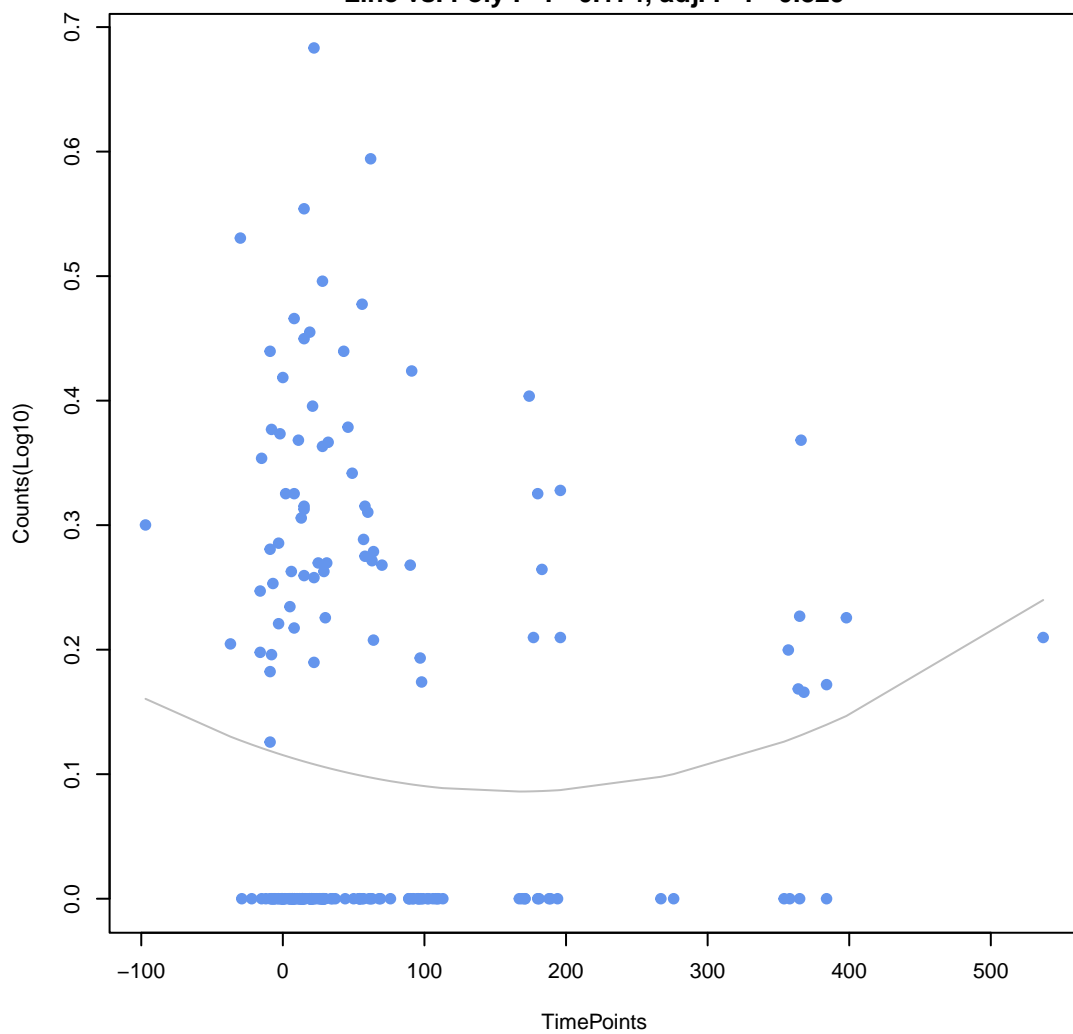
tetB(60)

ANOVA P=0.339, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.168, adj. F-P=0.829



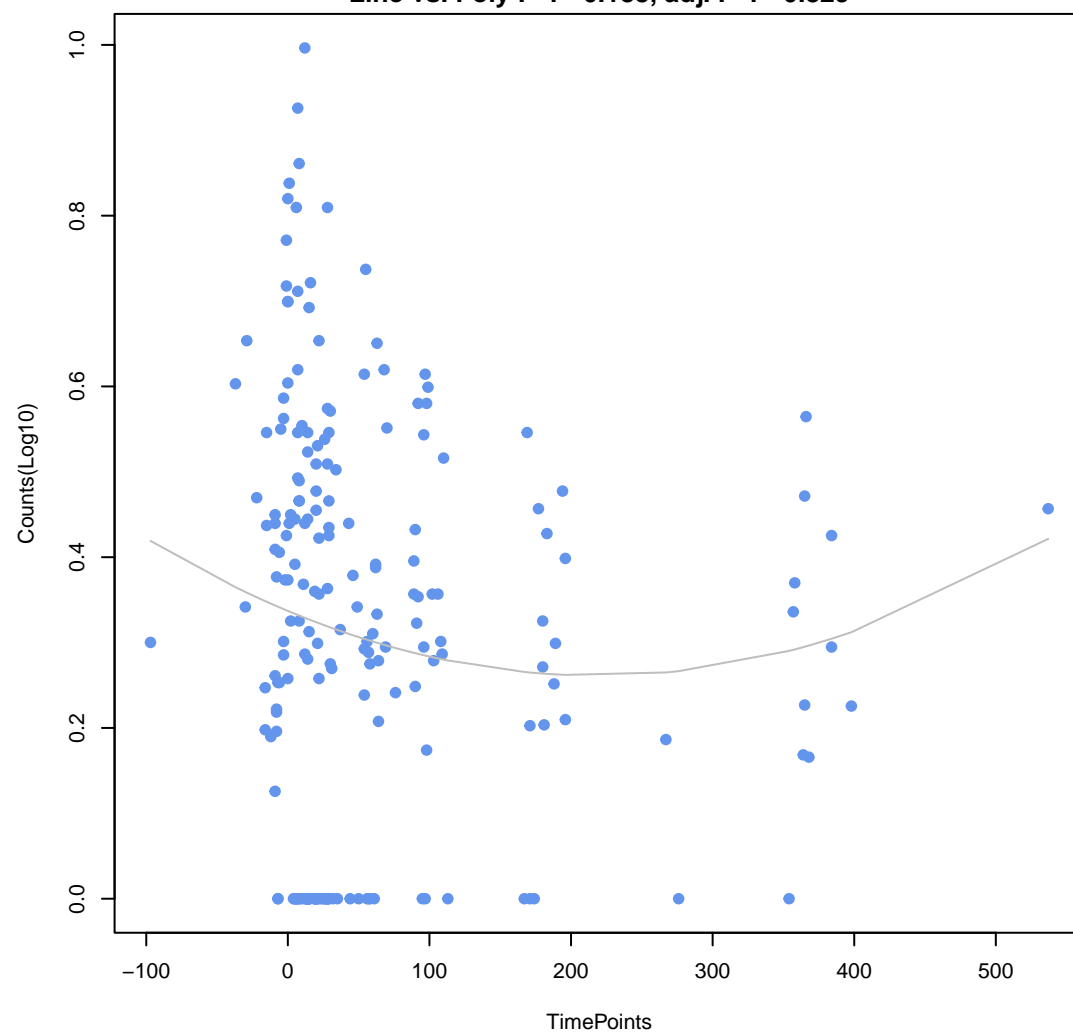
emrK

ANOVA P=0.39, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.174, adj. F-P=0.829

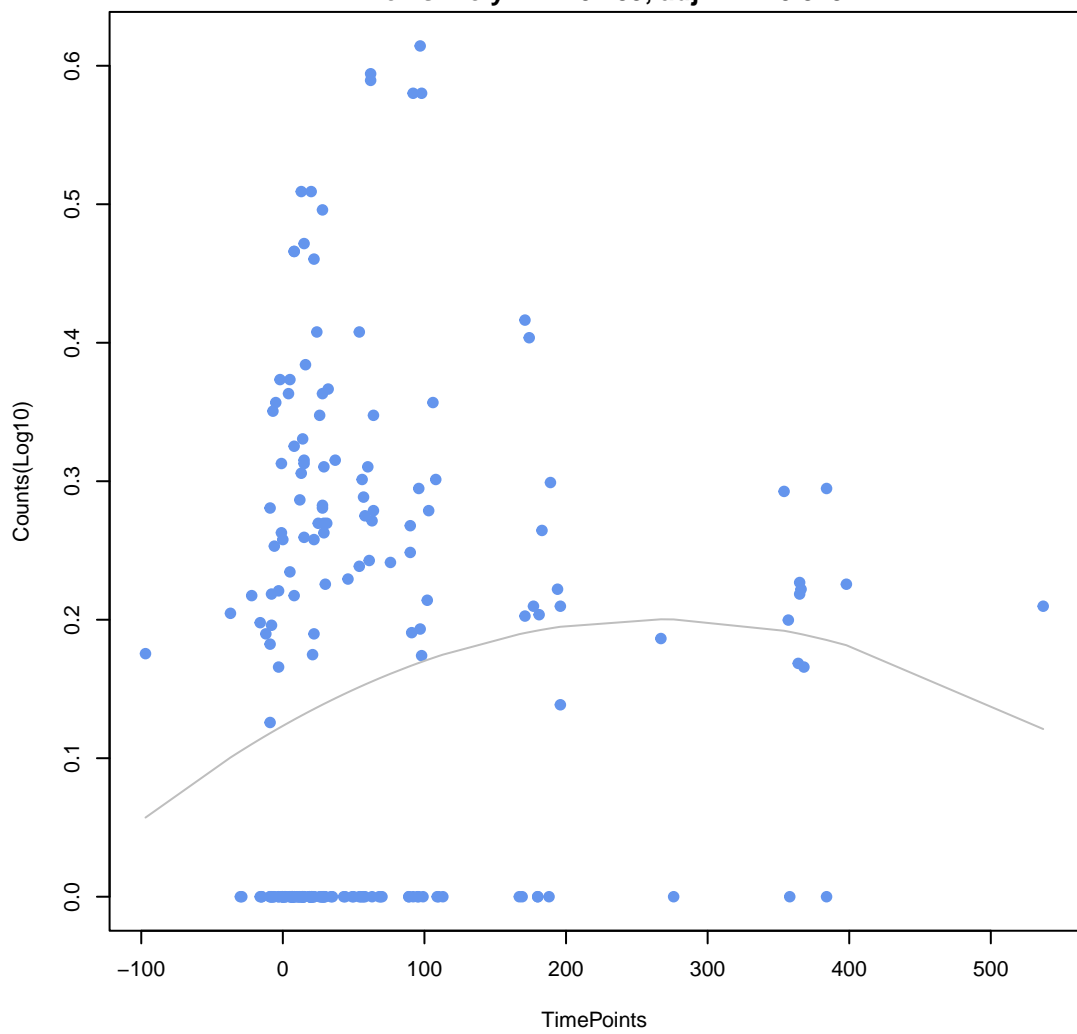


tetB(46)

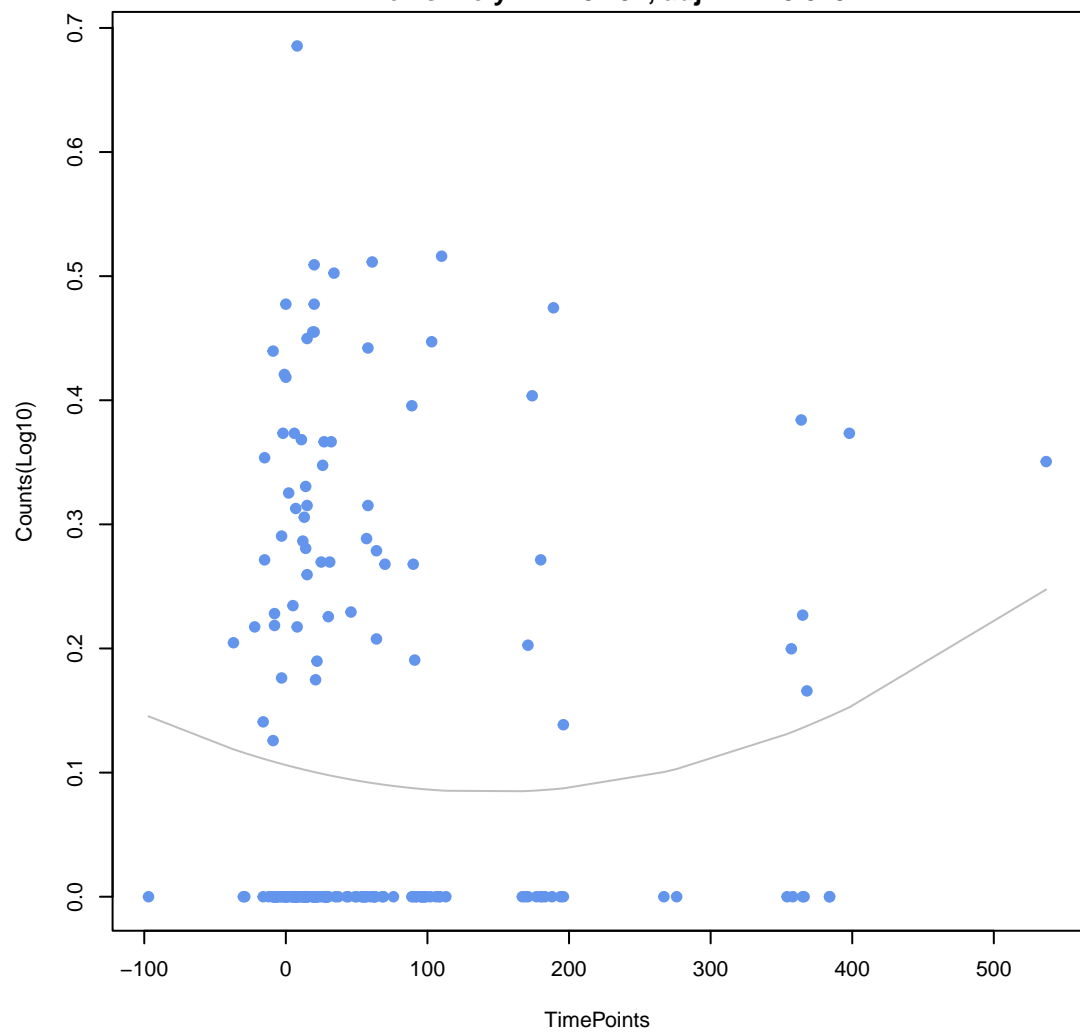
ANOVA P=0.296, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.188, adj. F-P=0.829



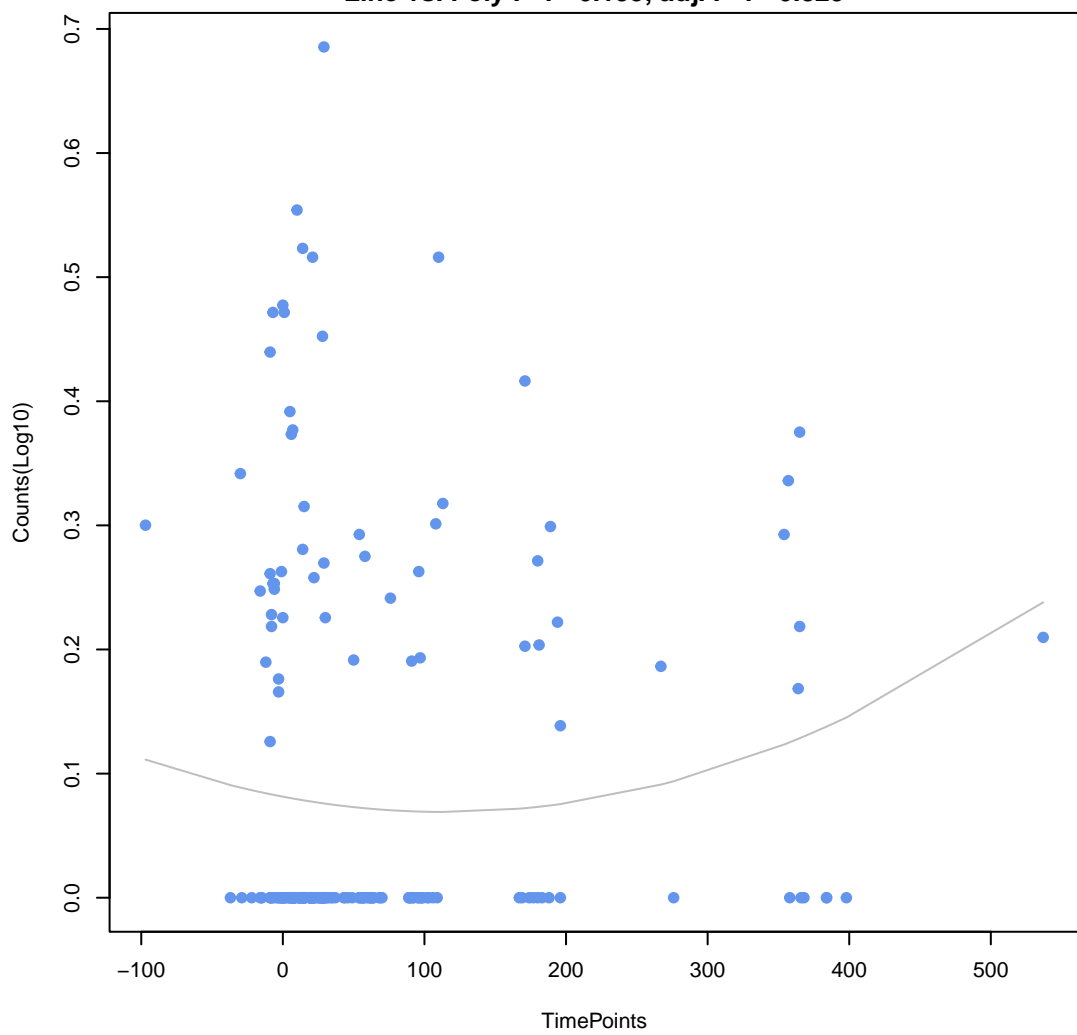
Escherichia coli EF-Tu mutants conferring resistance to Pulvomycin
ANOVA P=0.0963, adj. ANOVA-P=0.541
Line vs. Poly F-P=0.189, adj. F-P=0.829



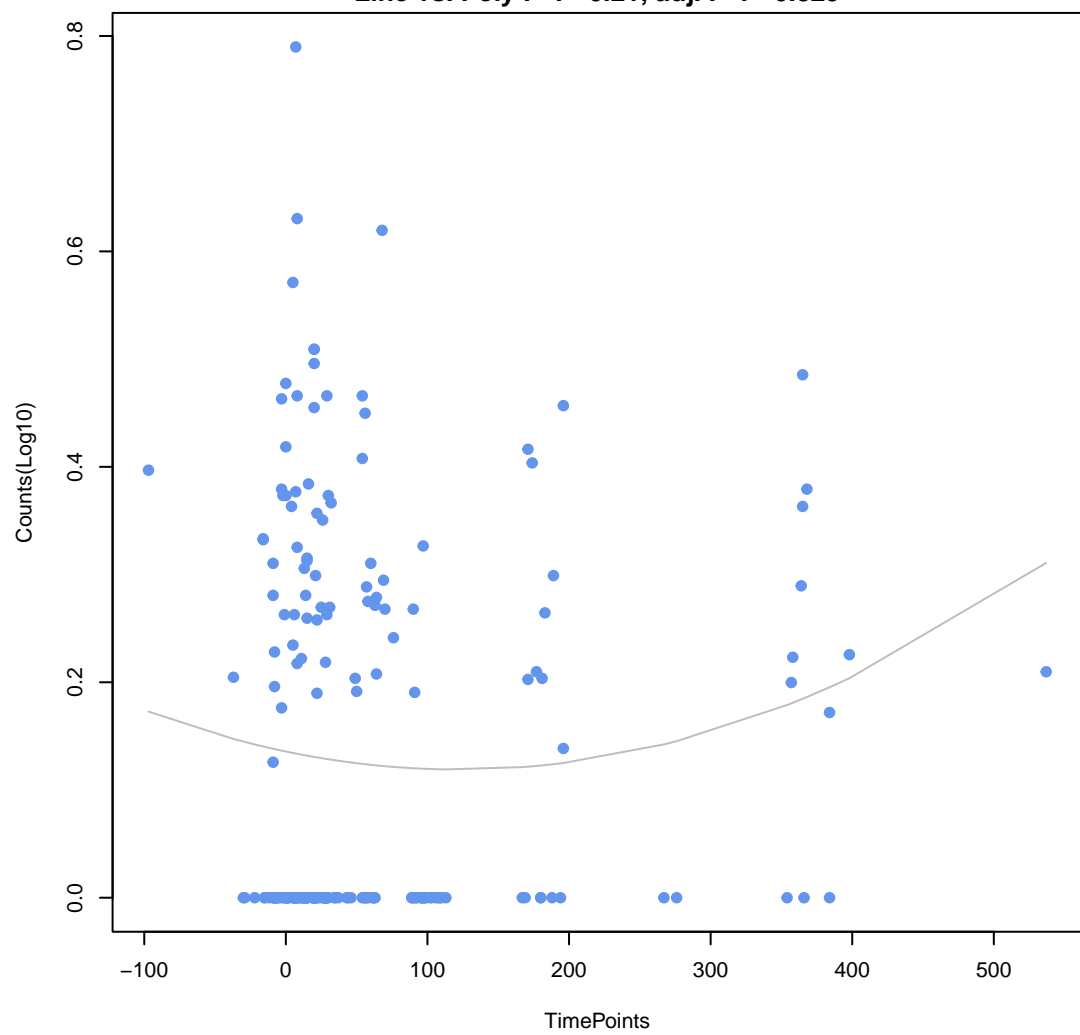
APH(3'')-Ib
ANOVA P=0.376, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.197, adj. F-P=0.829



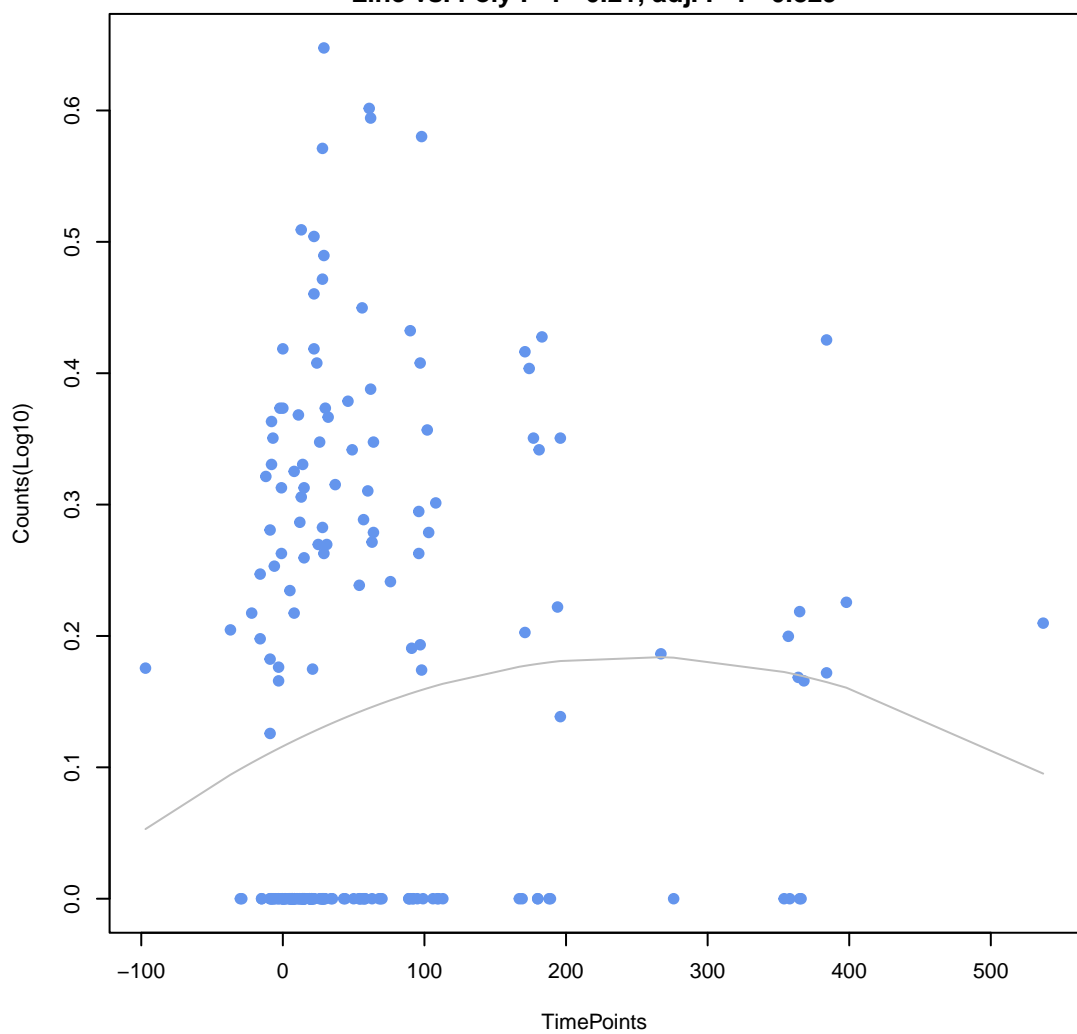
Streptomyces rimosus otr(A)
ANOVA P=0.247, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.199, adj. F-P=0.829



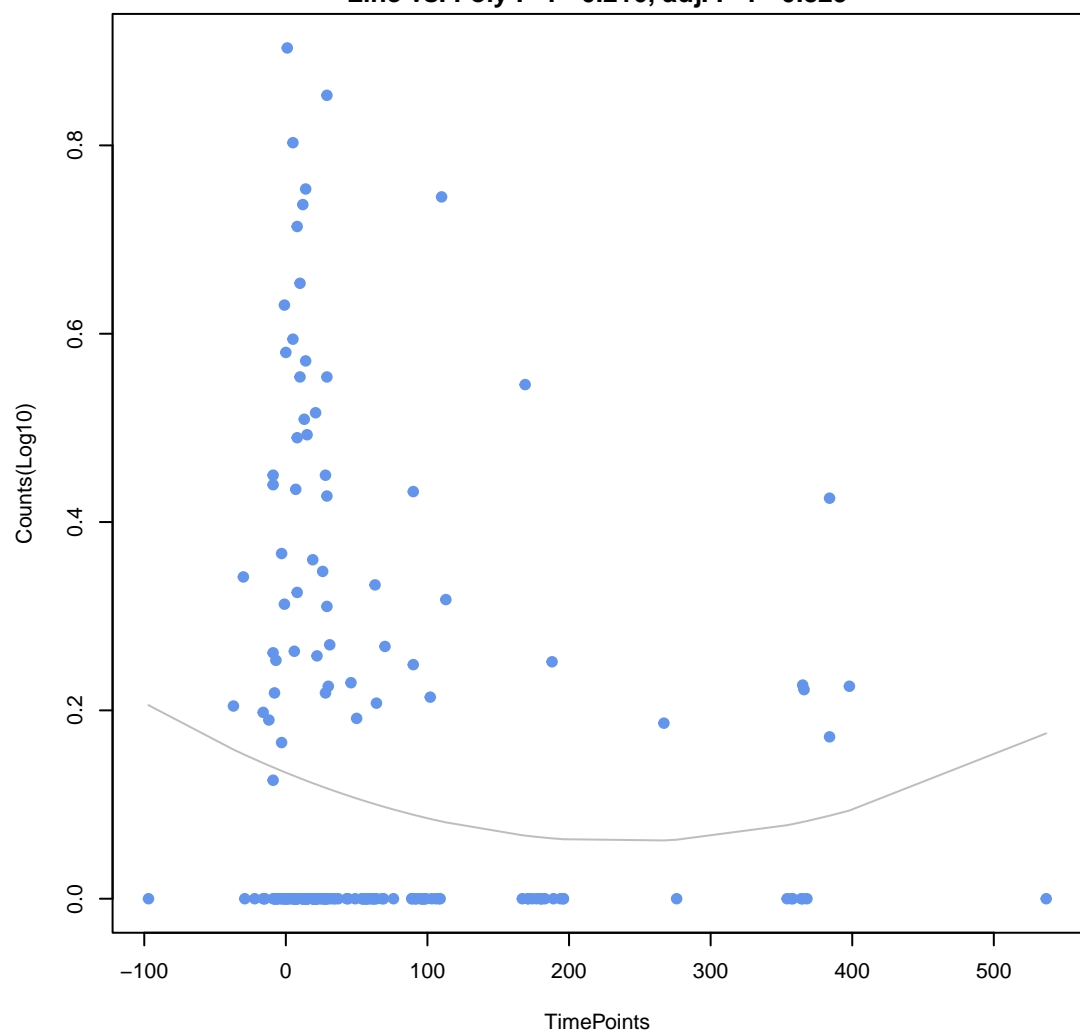
mdtN
ANOVA P=0.303, adj. ANOVA-P=0.721
Line vs. Poly F-P=0.21, adj. F-P=0.829

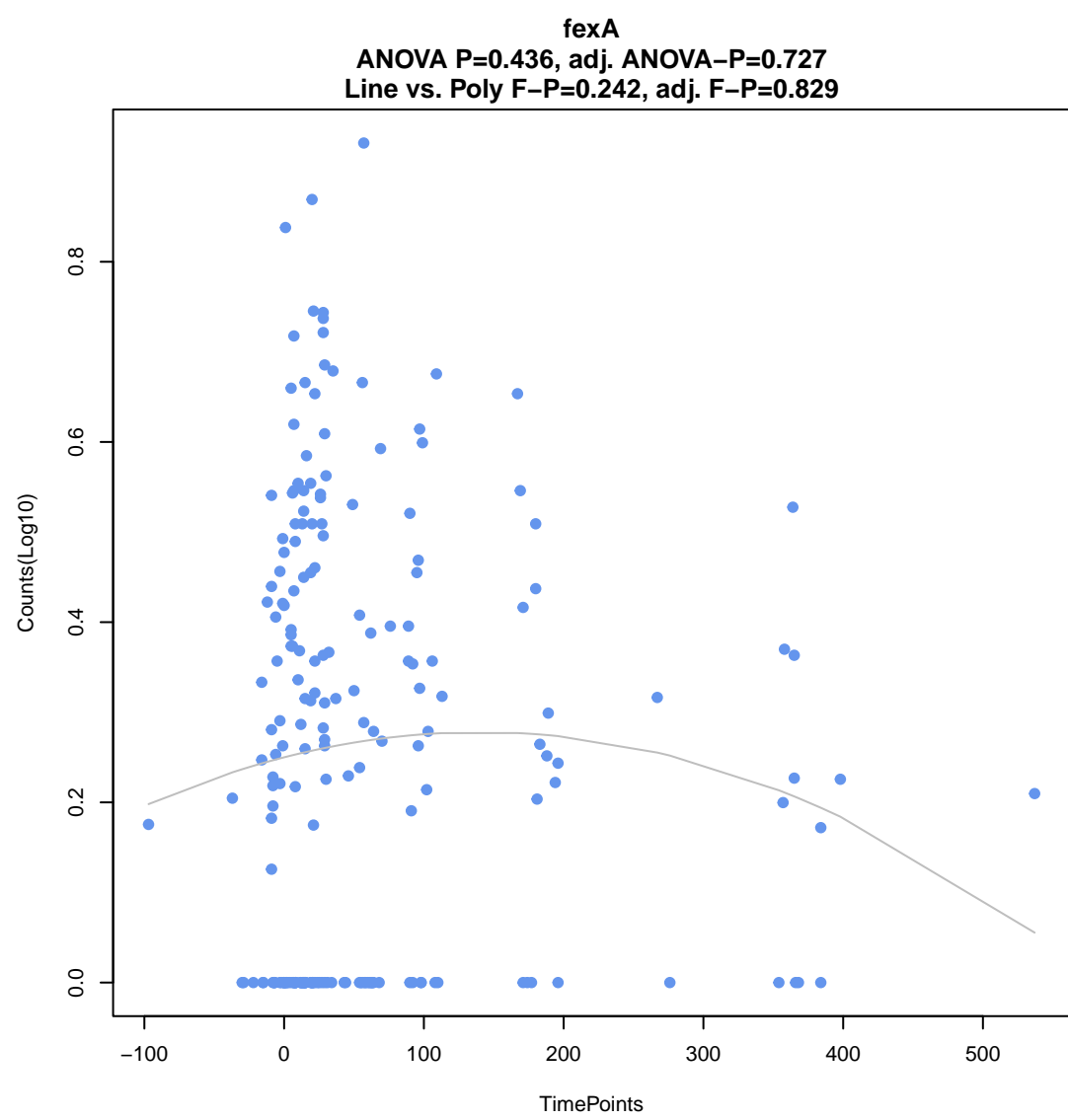
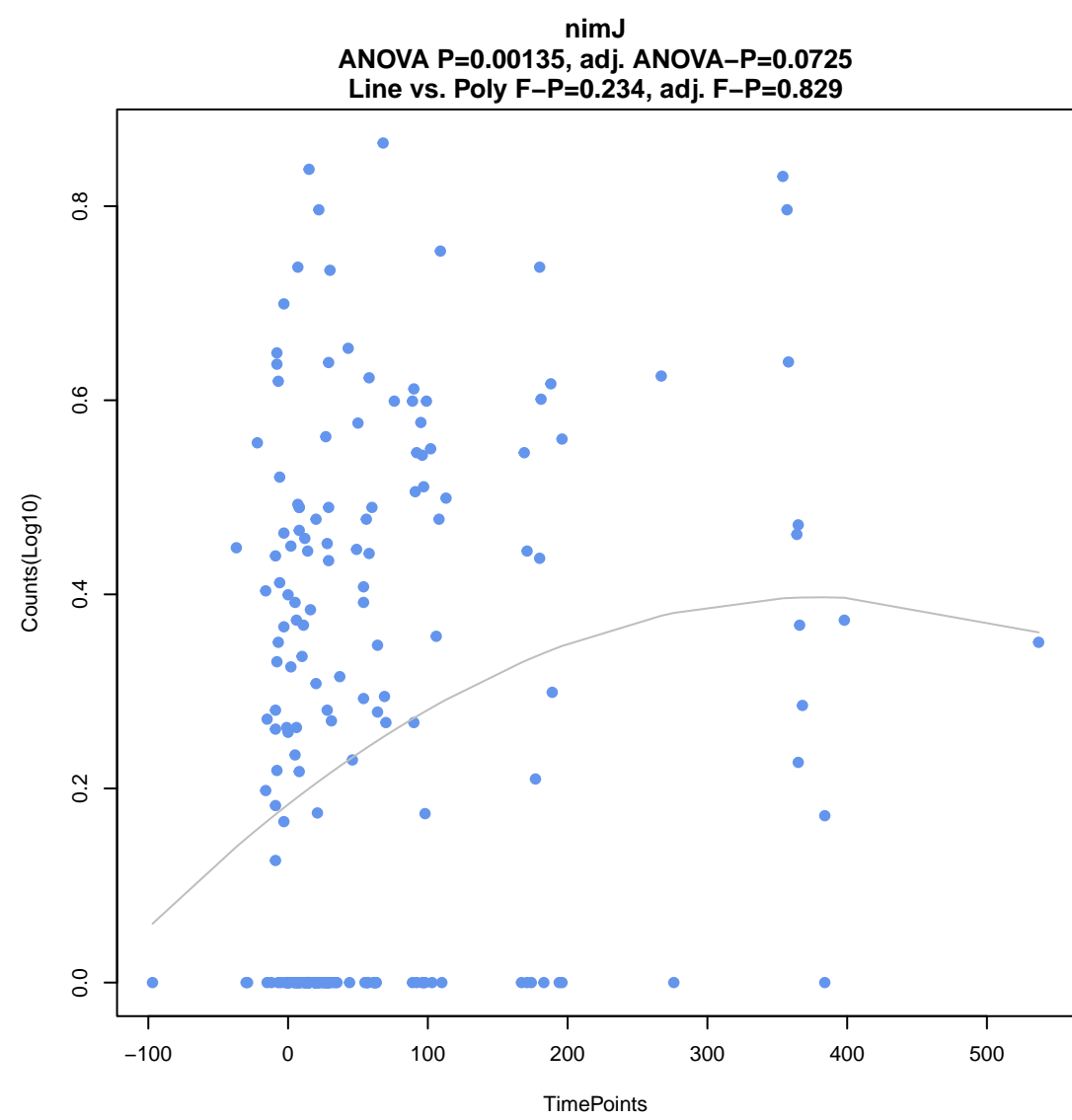
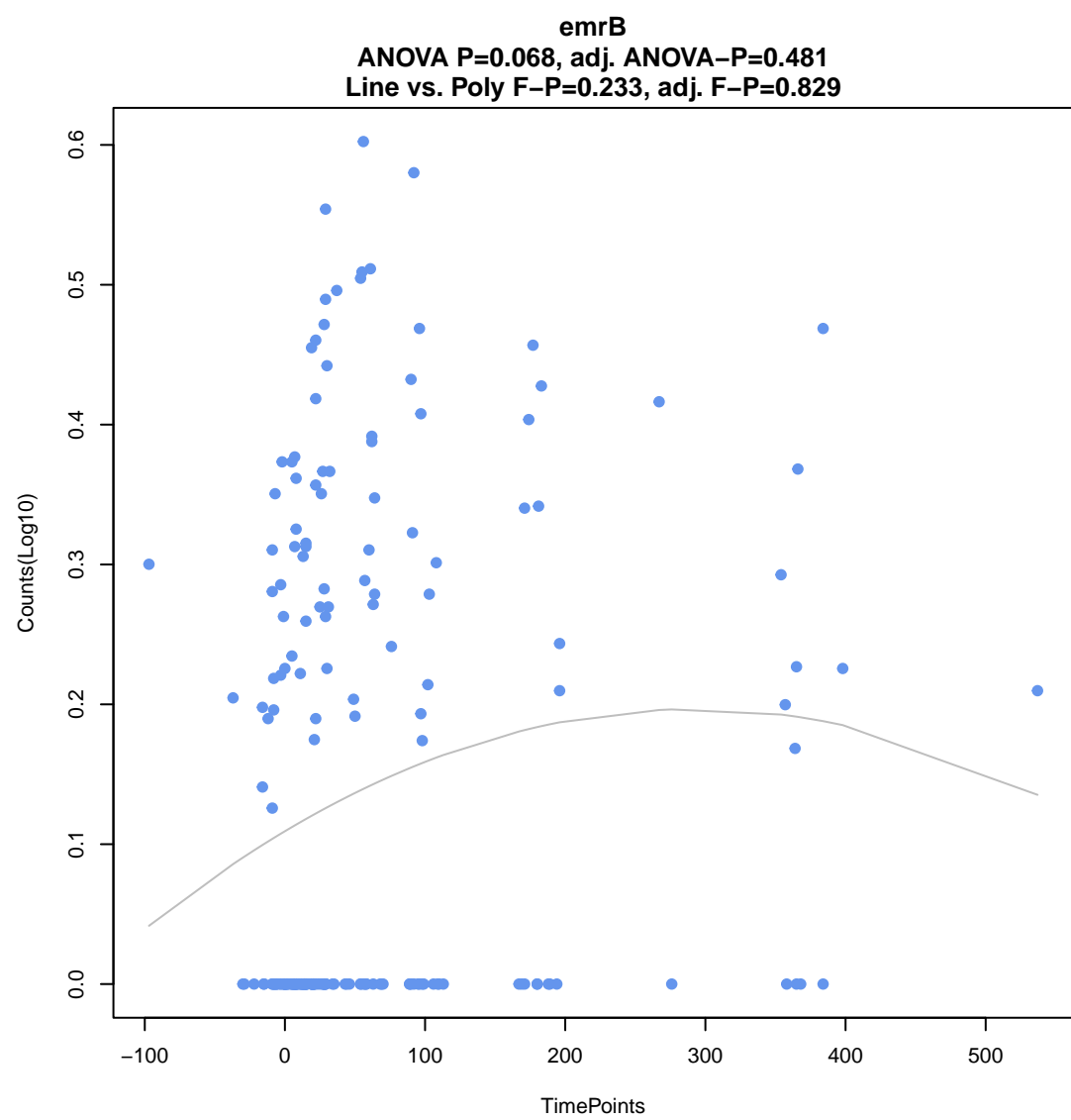
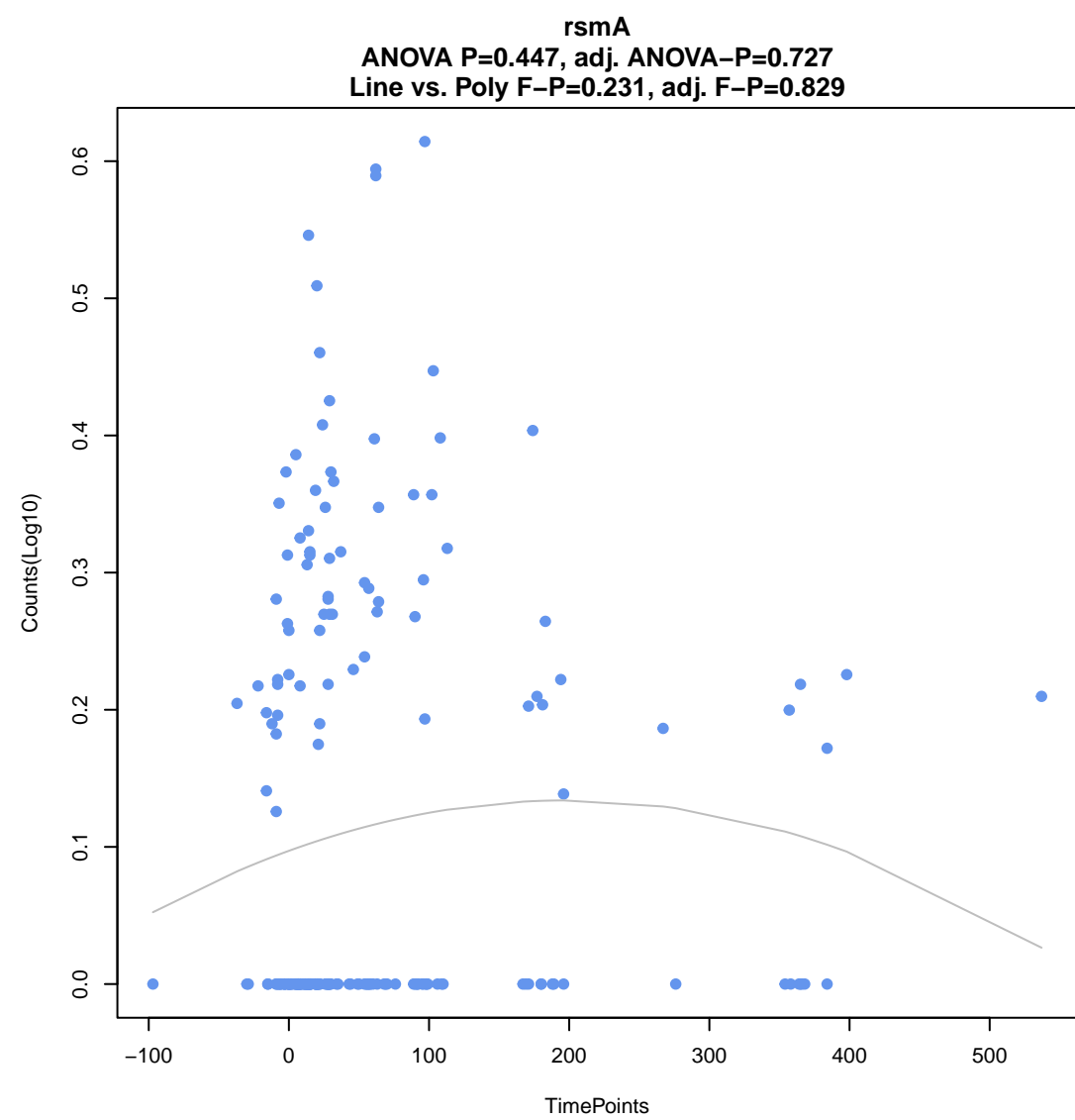
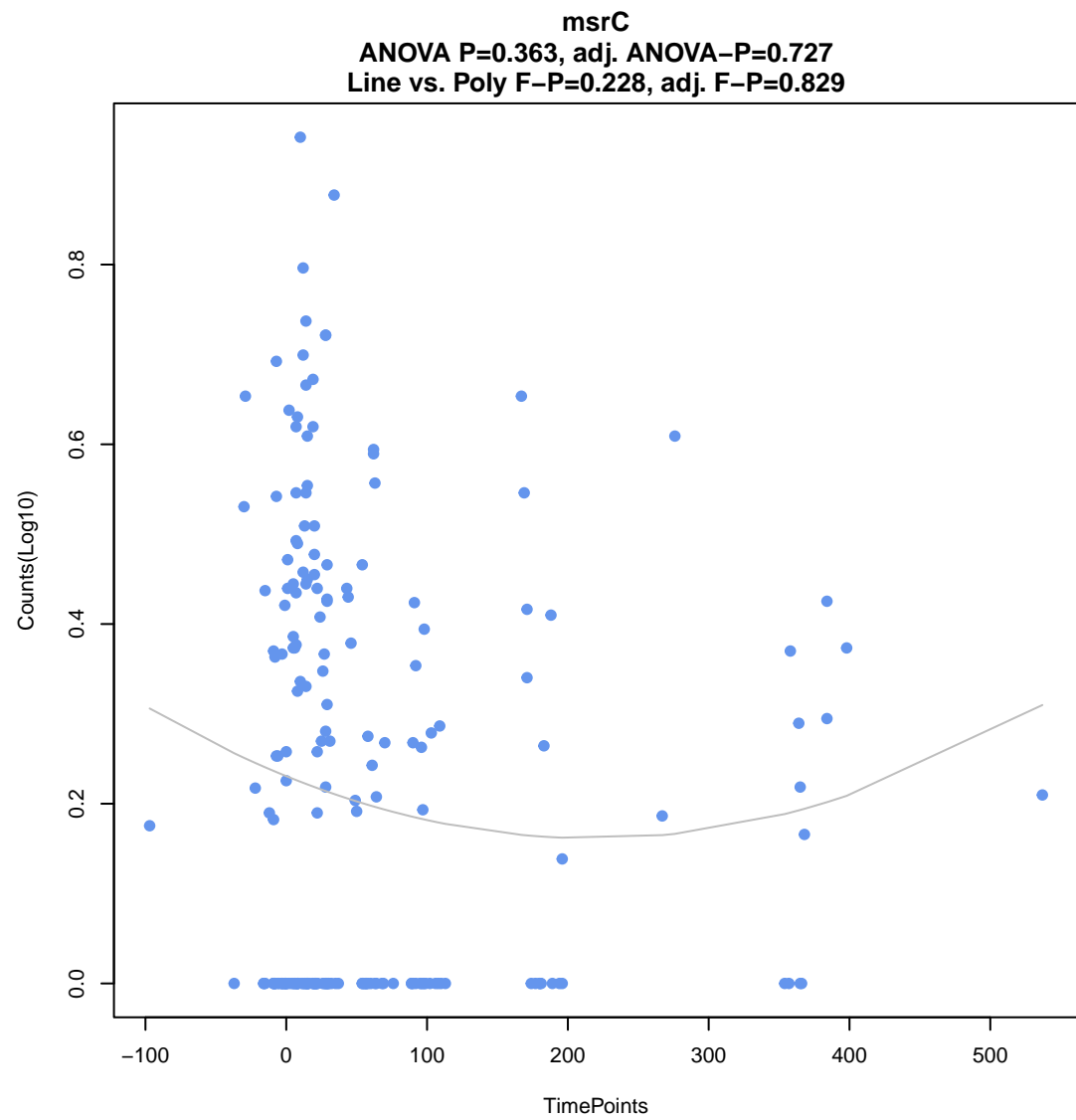
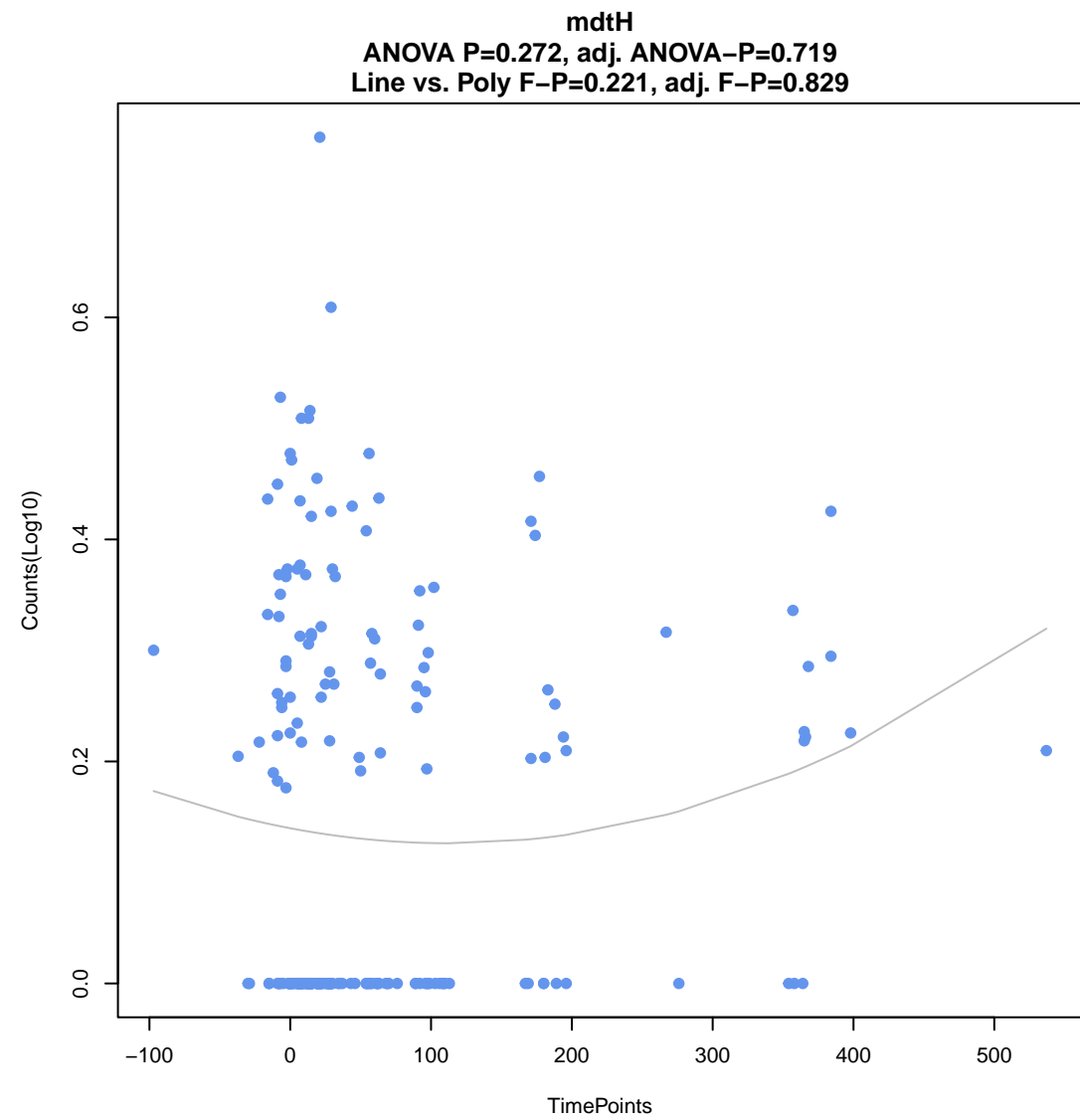


emrR
ANOVA P=0.18, adj. ANOVA-P=0.649
Line vs. Poly F-P=0.21, adj. F-P=0.829



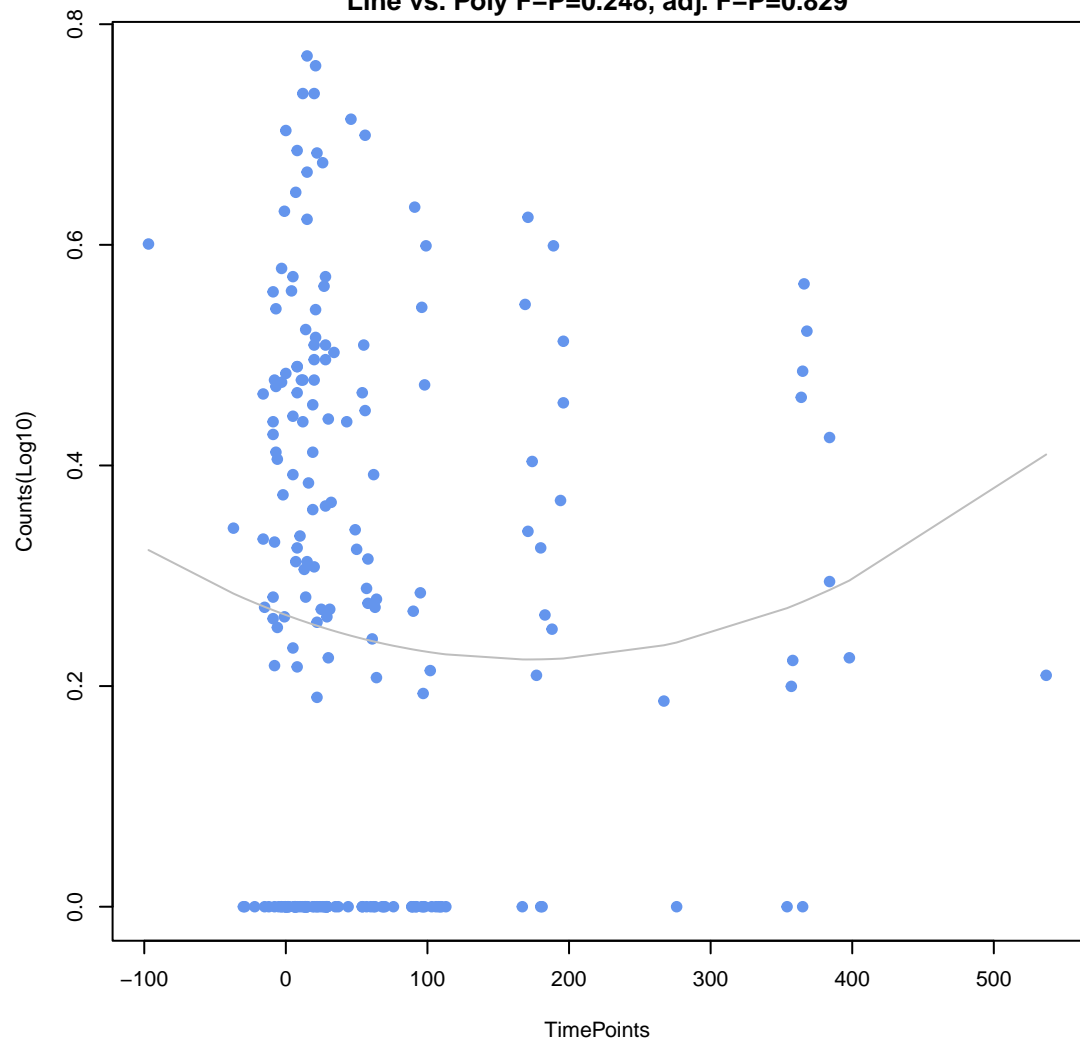
pmrA
ANOVA P=0.245, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.216, adj. F-P=0.829





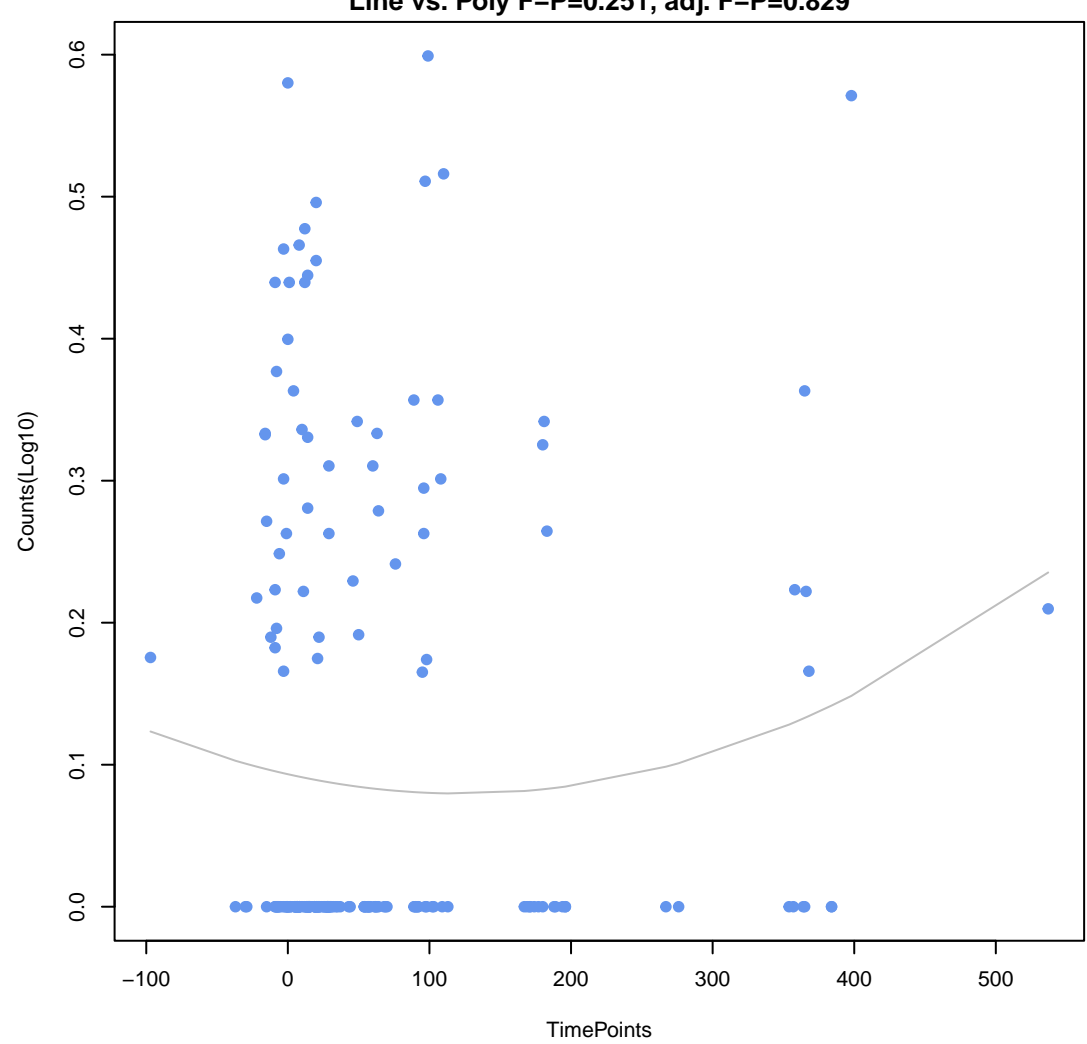
evgS

ANOVA P=0.513, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.248, adj. F-P=0.829



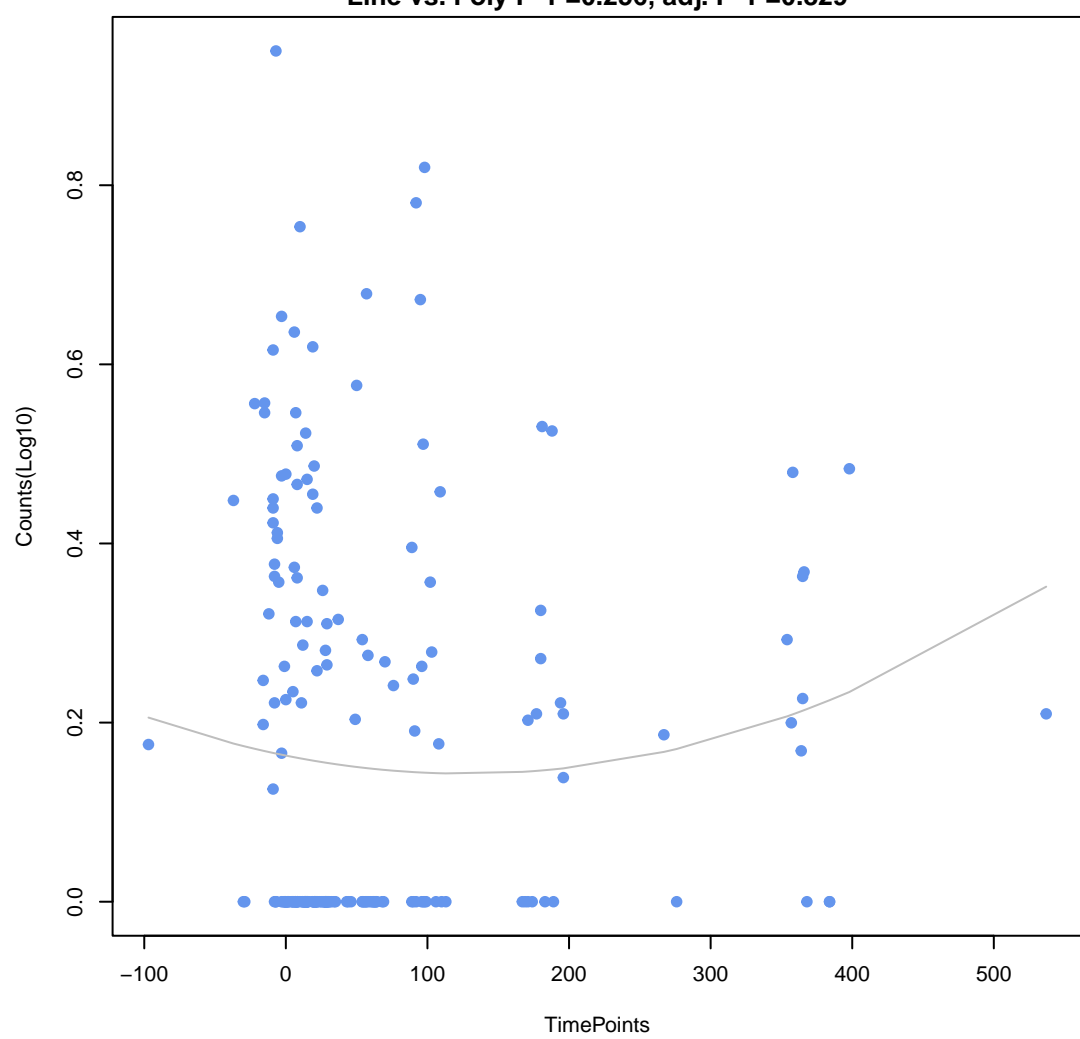
TaeA

ANOVA P=0.368, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.251, adj. F-P=0.829



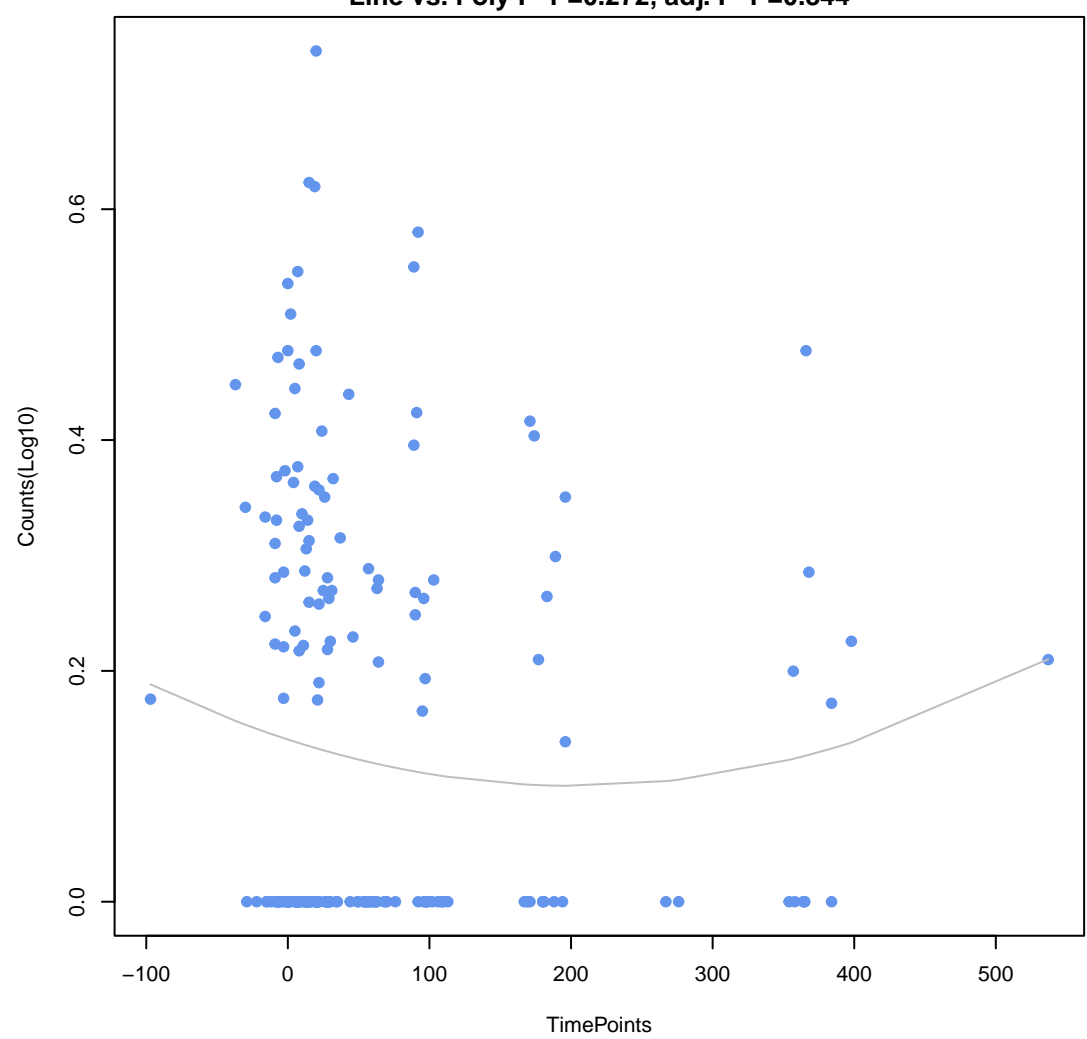
APH(6)-lc

ANOVA P=0.399, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.256, adj. F-P=0.829



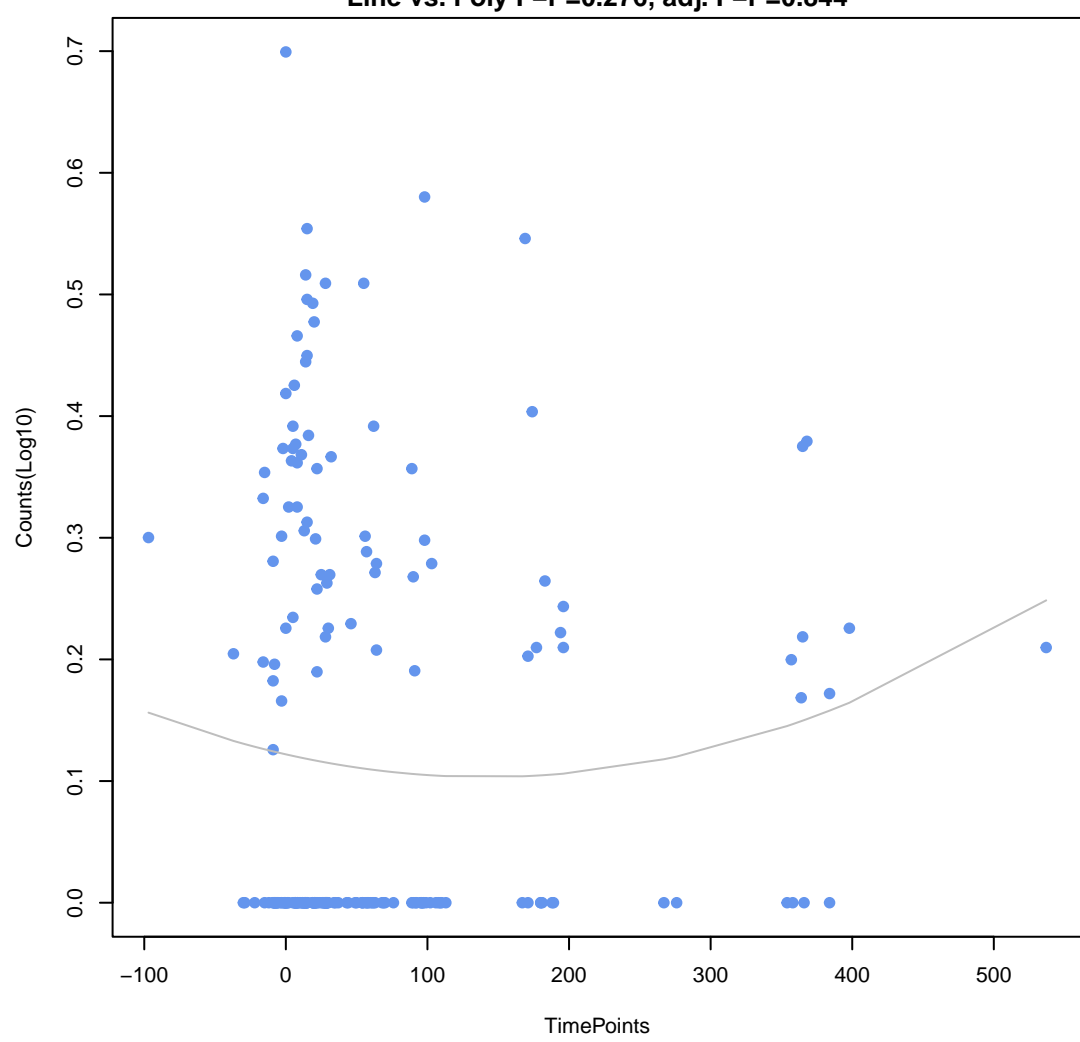
emrY

ANOVA P=0.496, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.272, adj. F-P=0.844



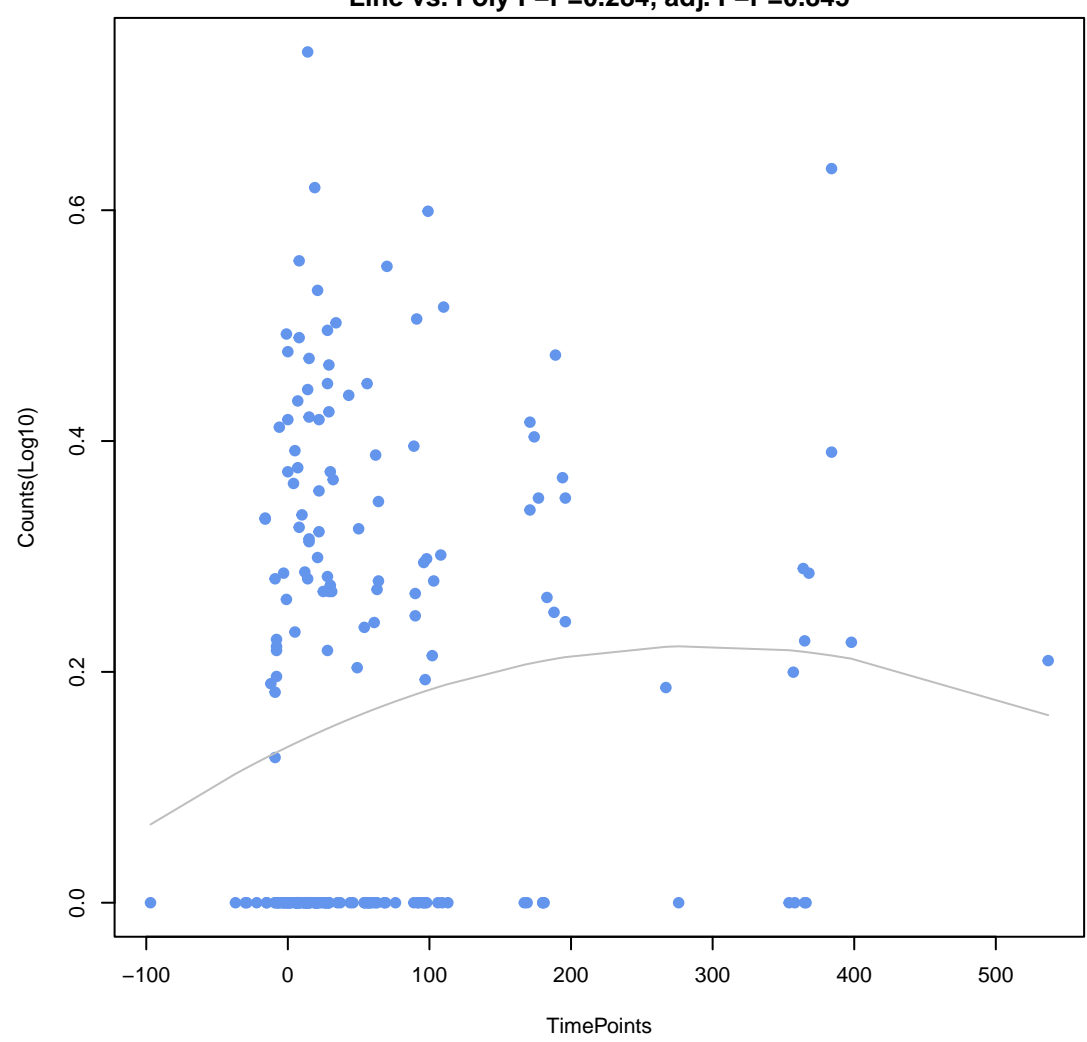
mdtE

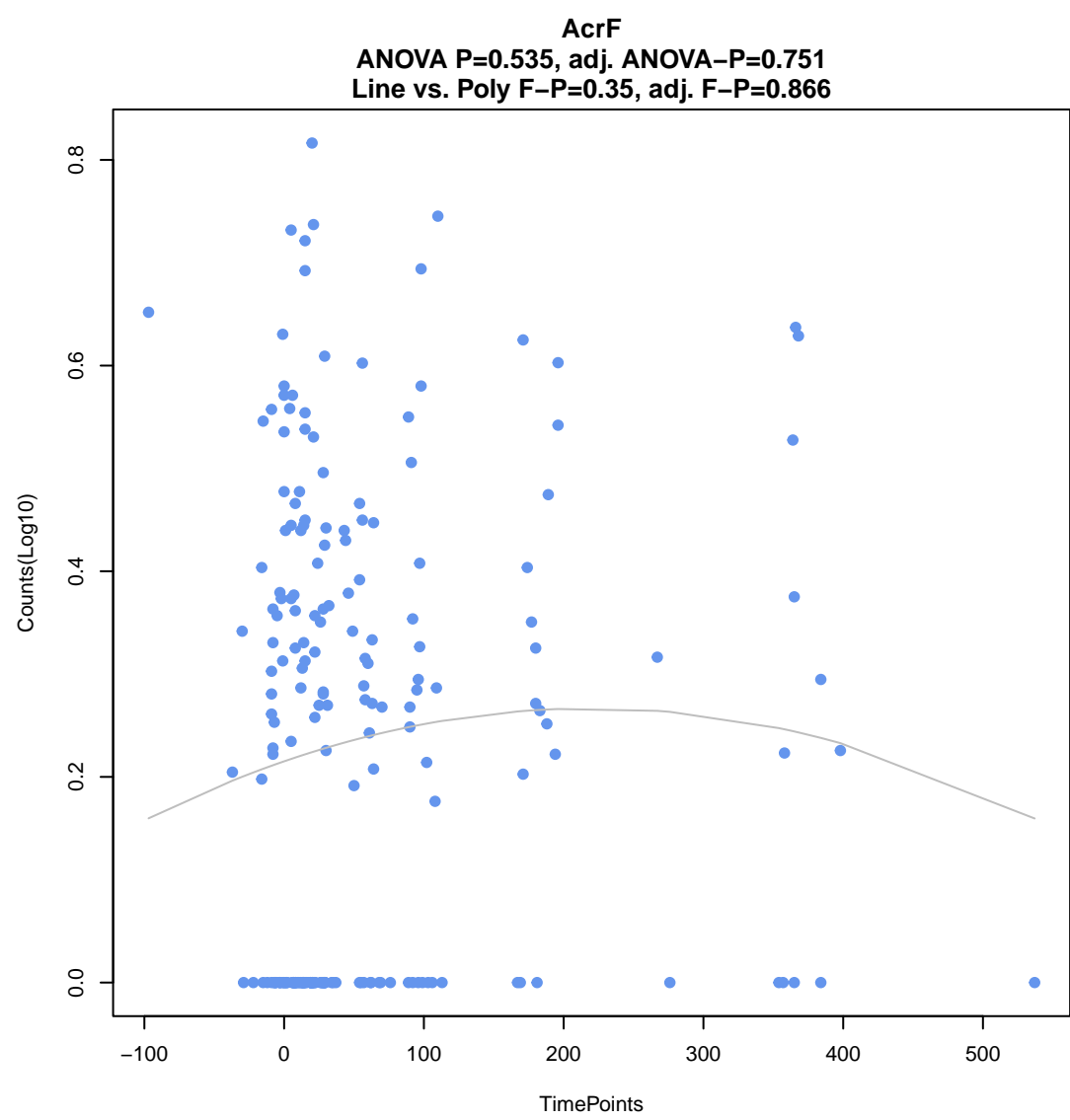
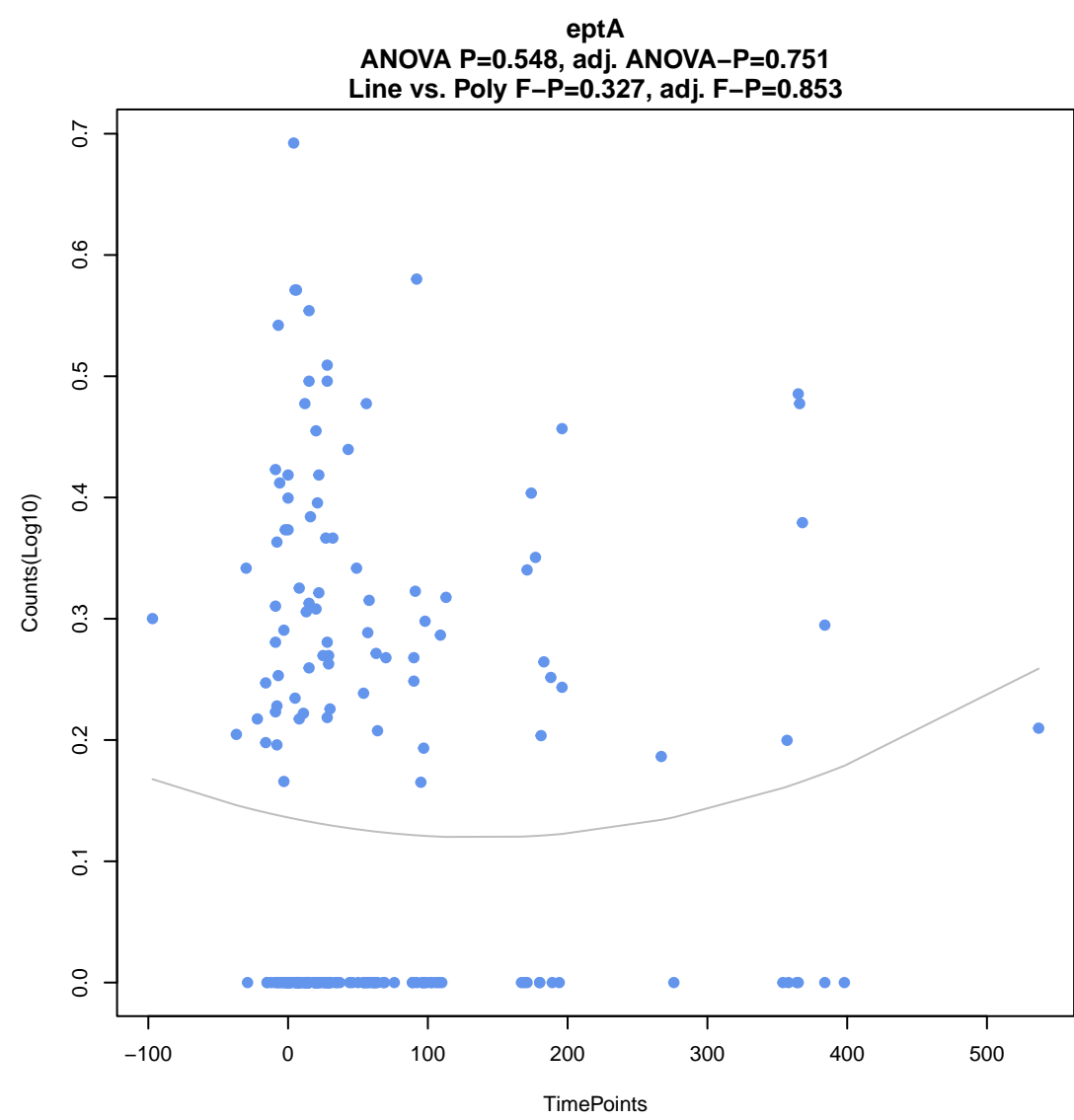
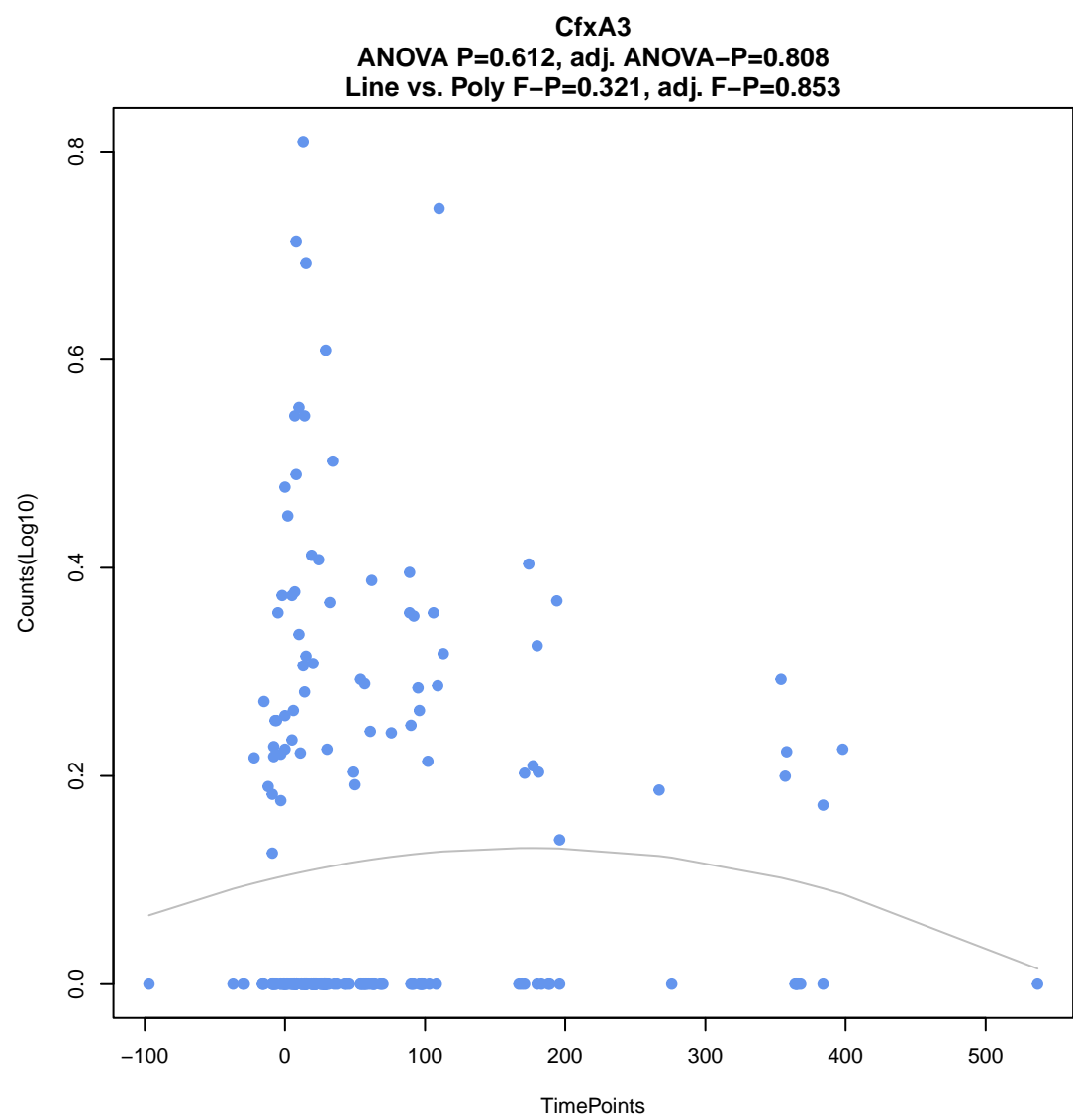
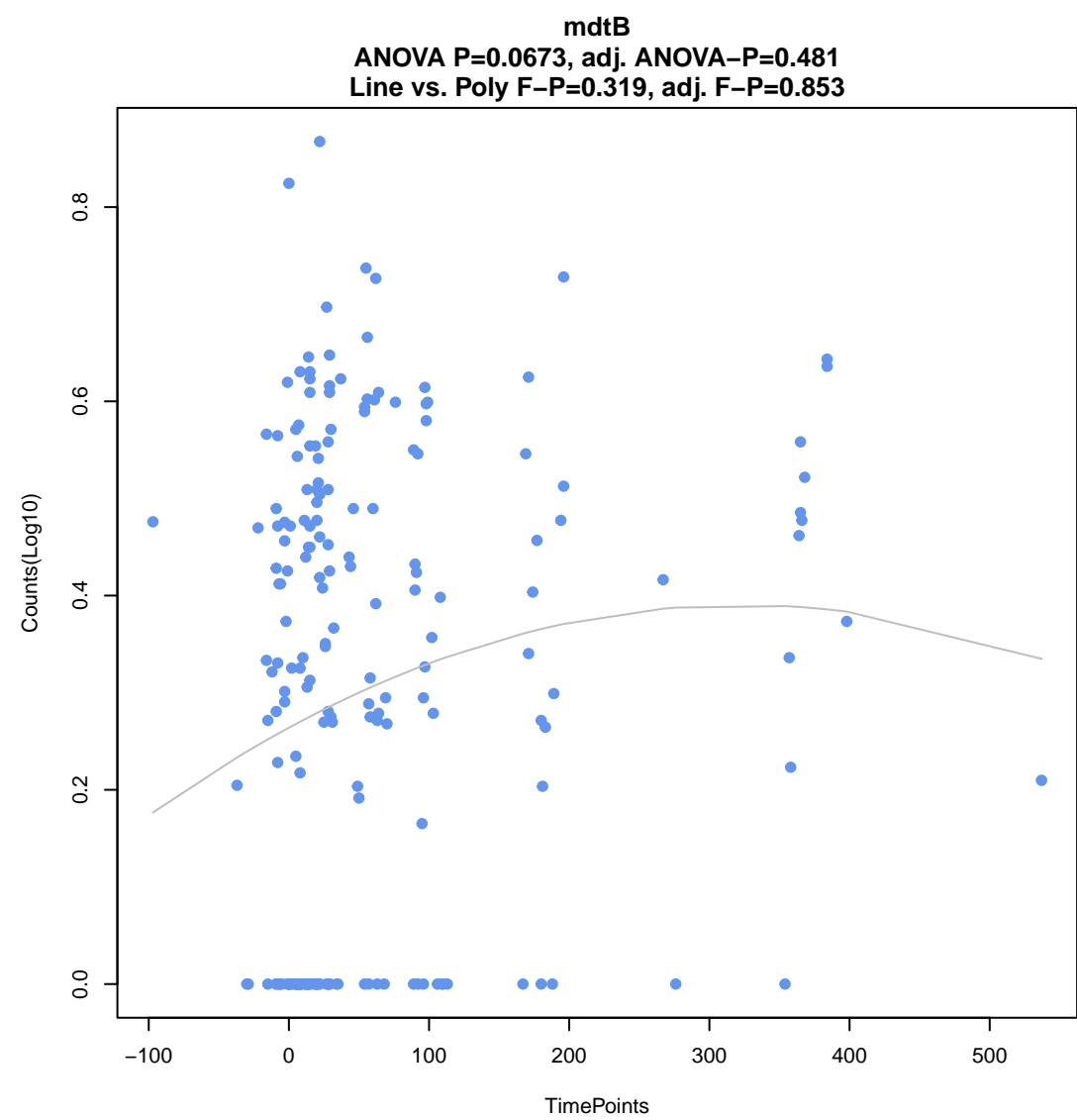
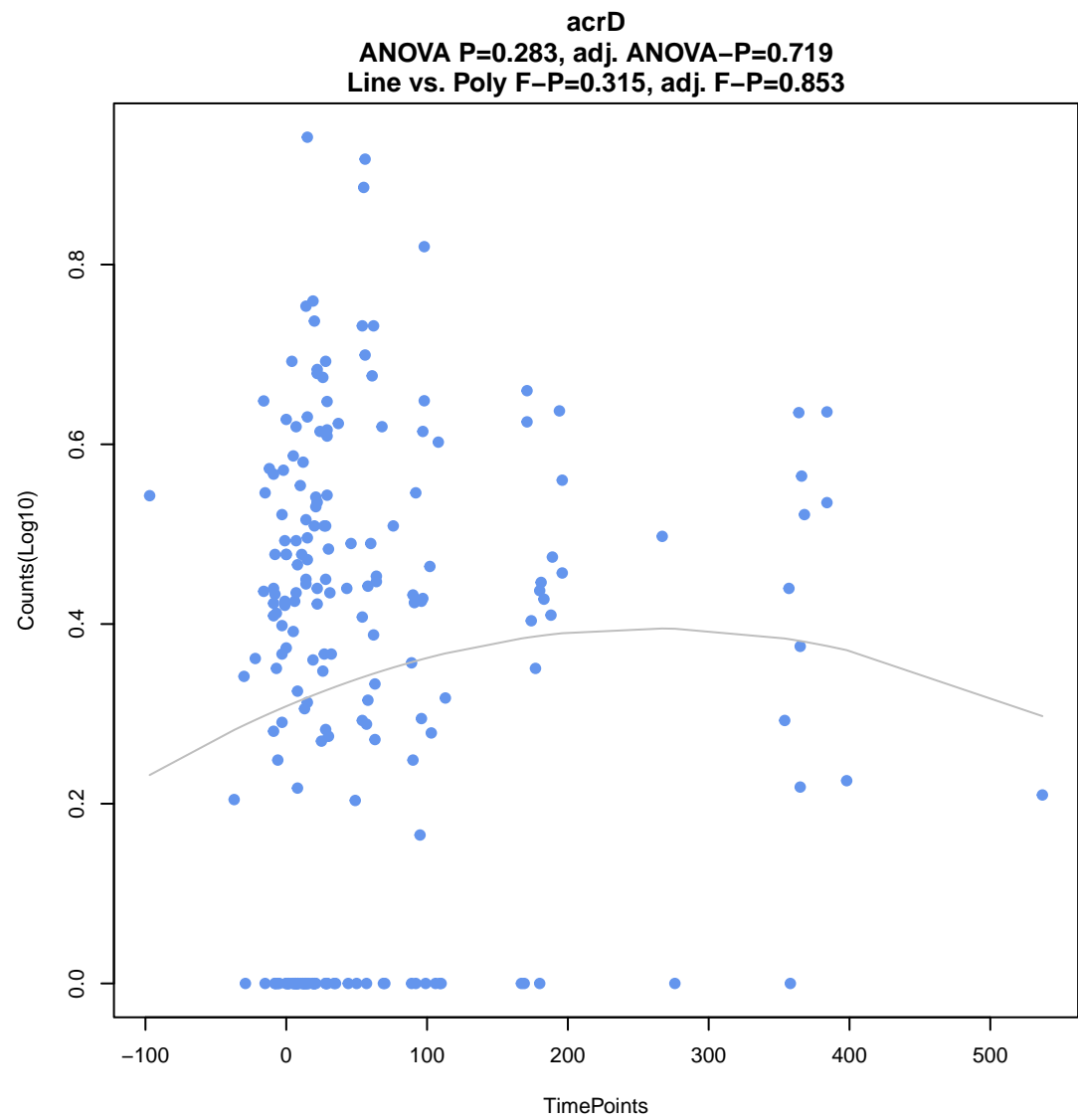
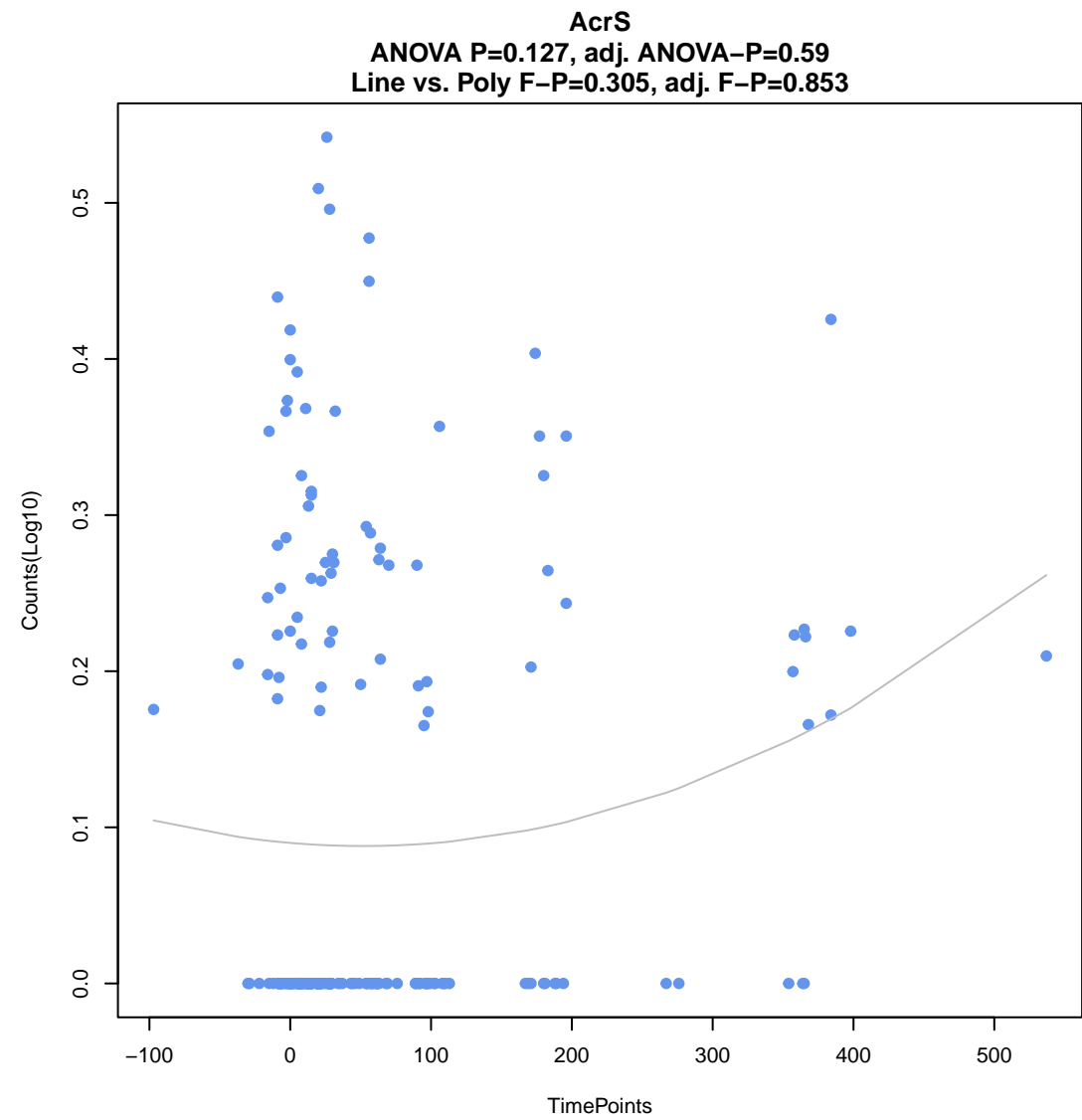
ANOVA P=0.491, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.276, adj. F-P=0.844



mdtM

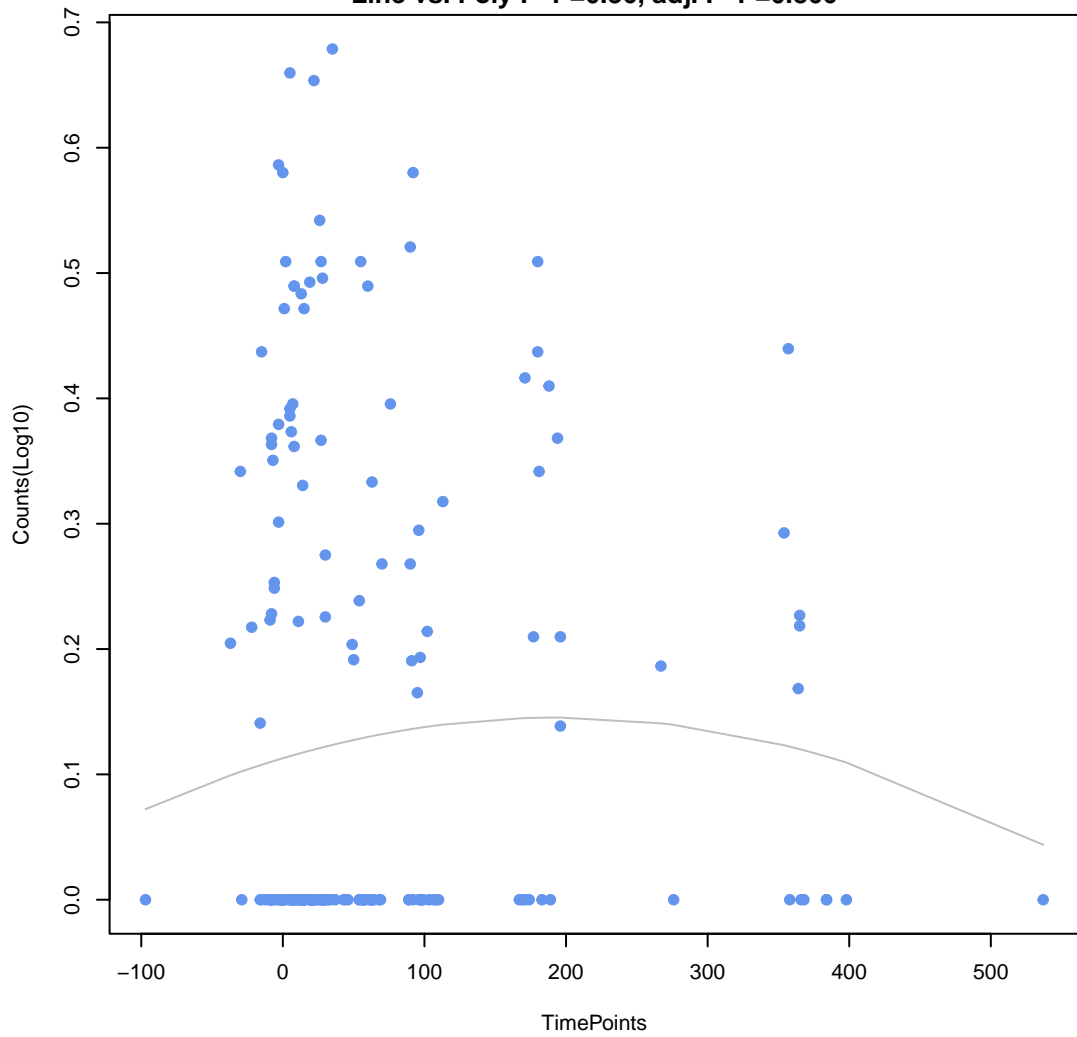
ANOVA P=0.109, adj. ANOVA-P=0.556
Line vs. Poly F-P=0.284, adj. F-P=0.845





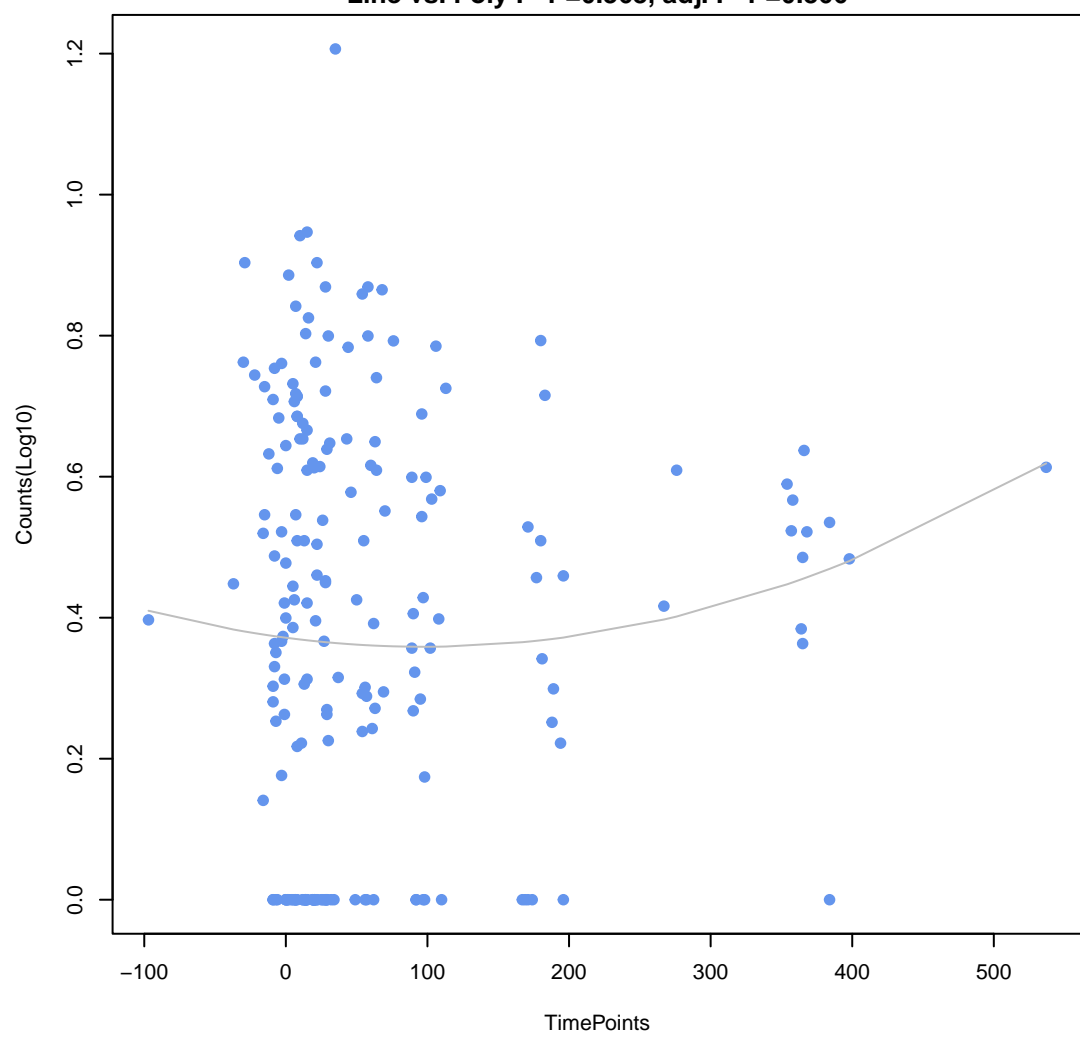
tet(W/32/O)

ANOVA P=0.636, adj. ANOVA-P=0.819
Line vs. Poly F-P=0.36, adj. F-P=0.866



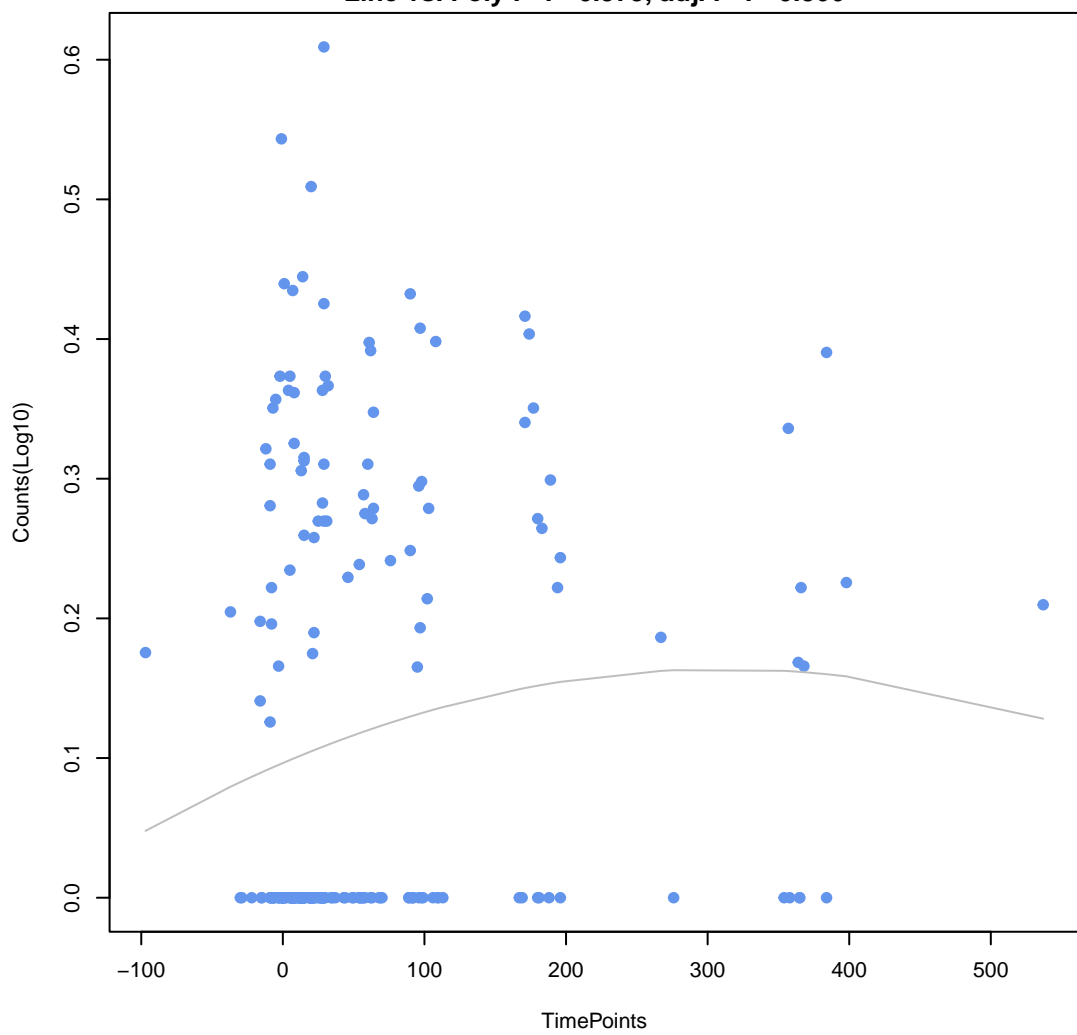
poxA

ANOVA P=0.419, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.368, adj. F-P=0.866



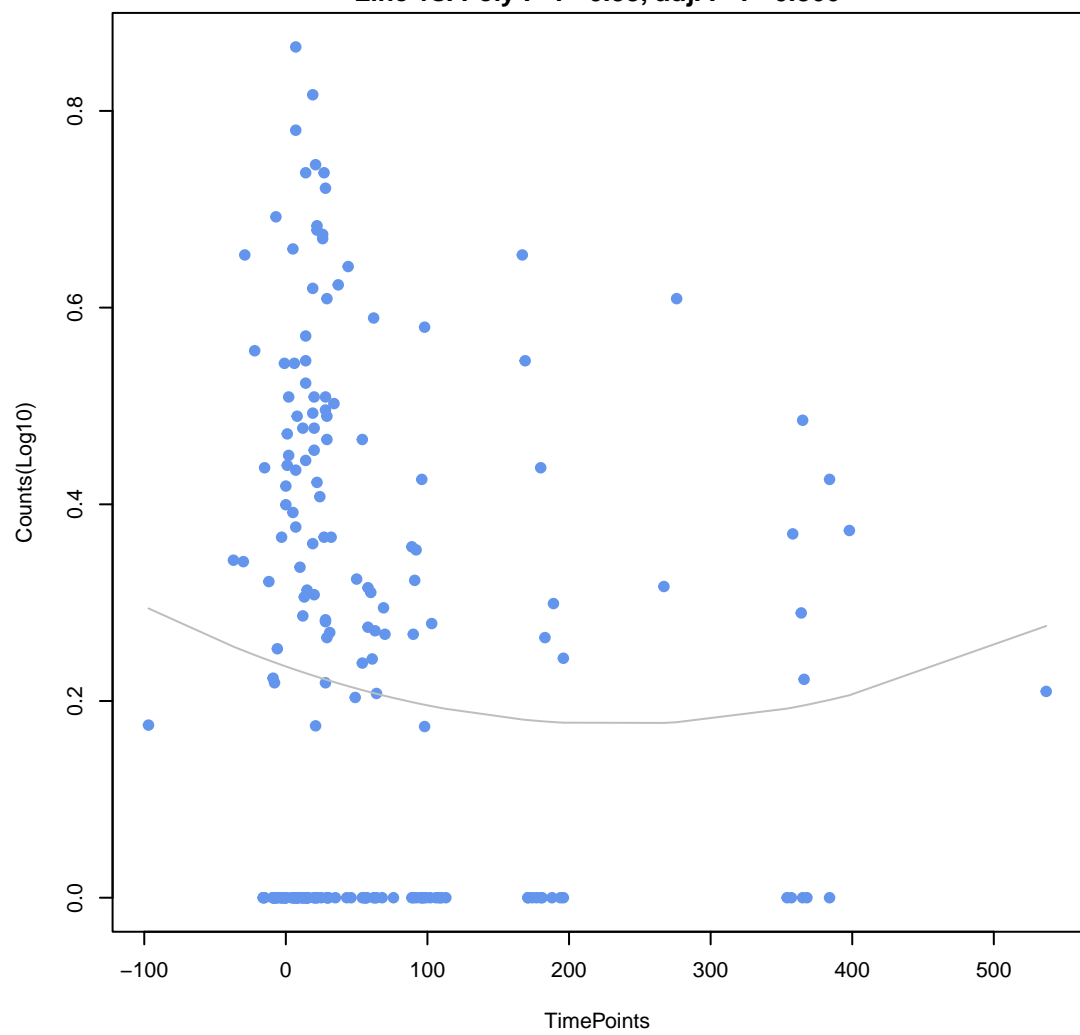
Escherichia coli soxS with mutation conferring antibiotic resistance

ANOVA P=0.152, adj. ANOVA-P=0.649
Line vs. Poly F-P=0.373, adj. F-P=0.866



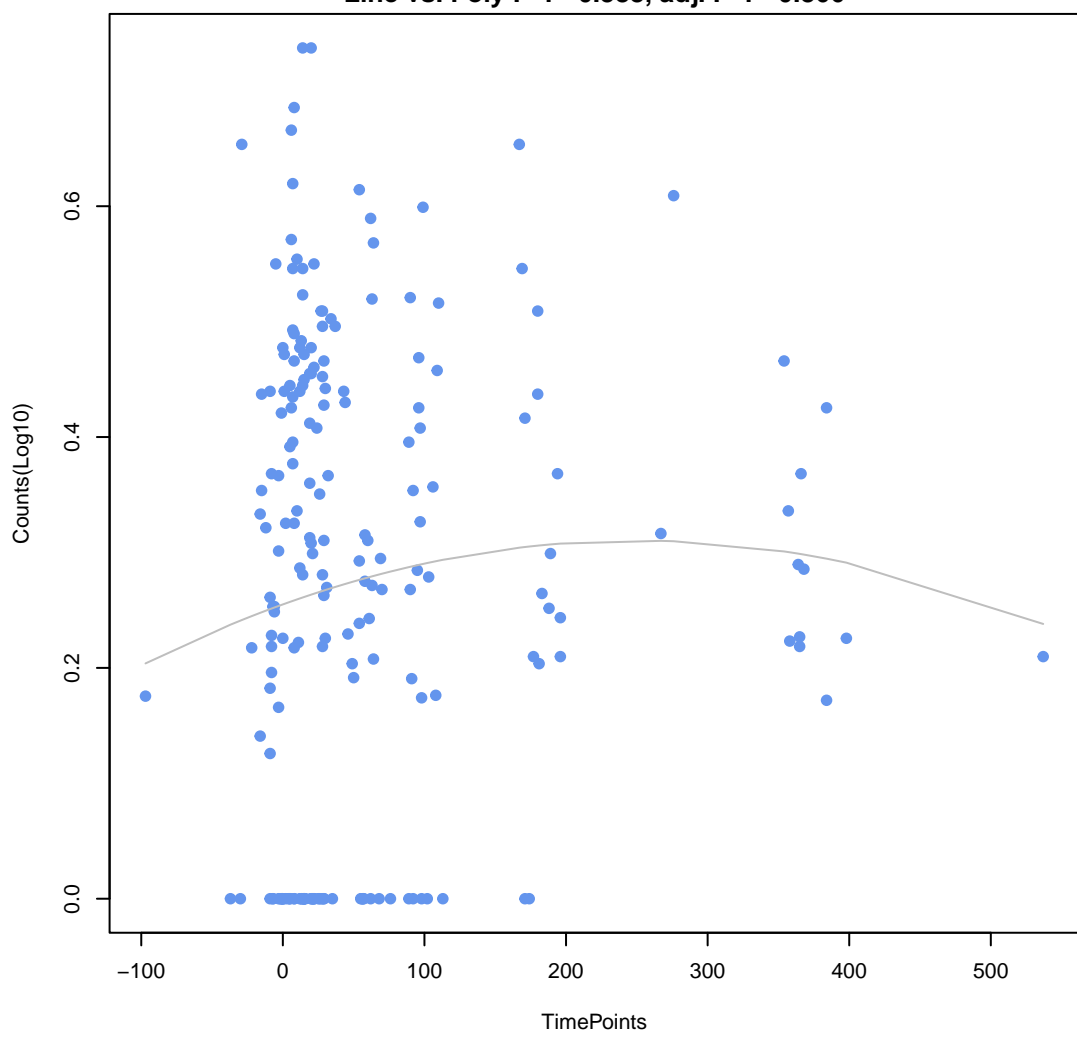
vanS gene in vanA cluster

ANOVA P=0.518, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.38, adj. F-P=0.866



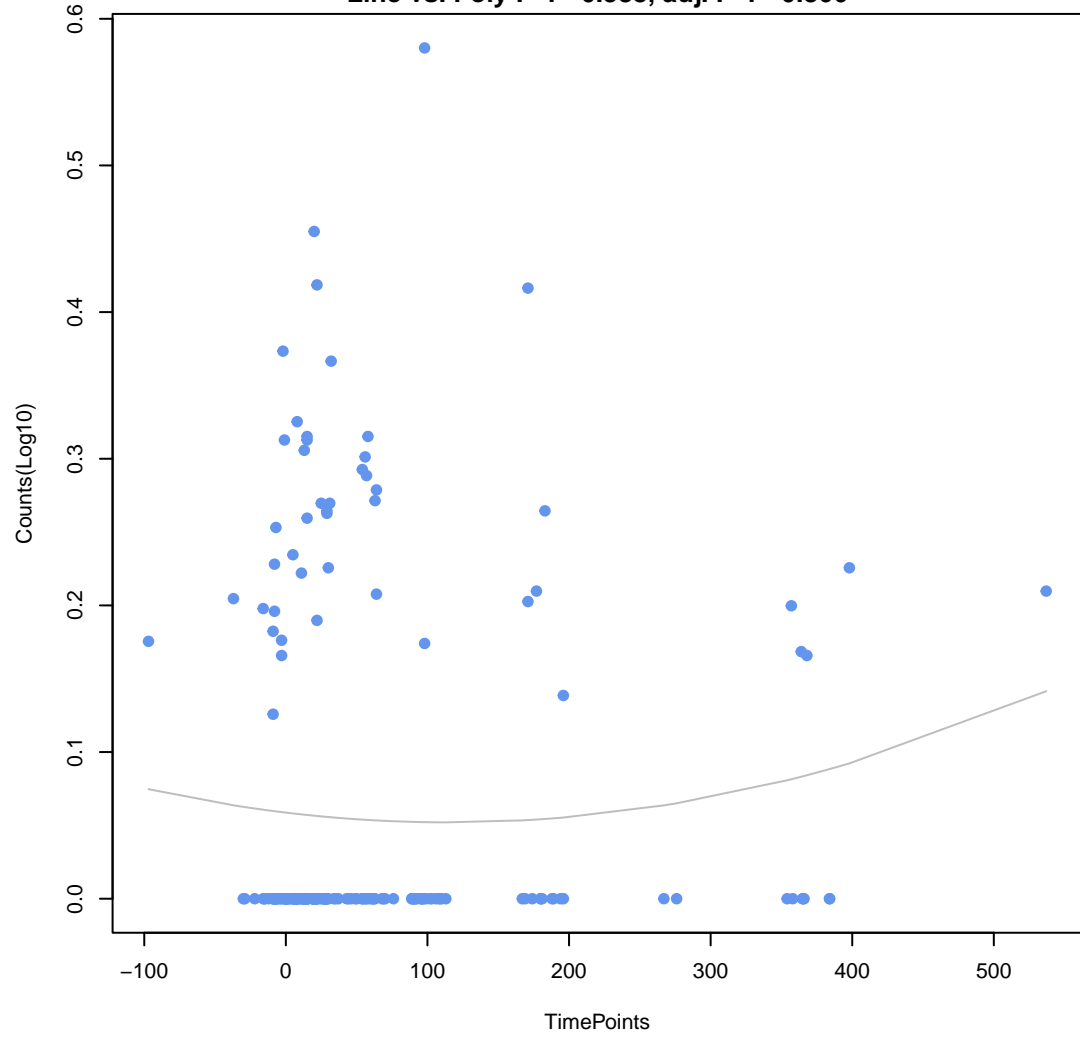
SAT-4

ANOVA P=0.443, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.388, adj. F-P=0.866

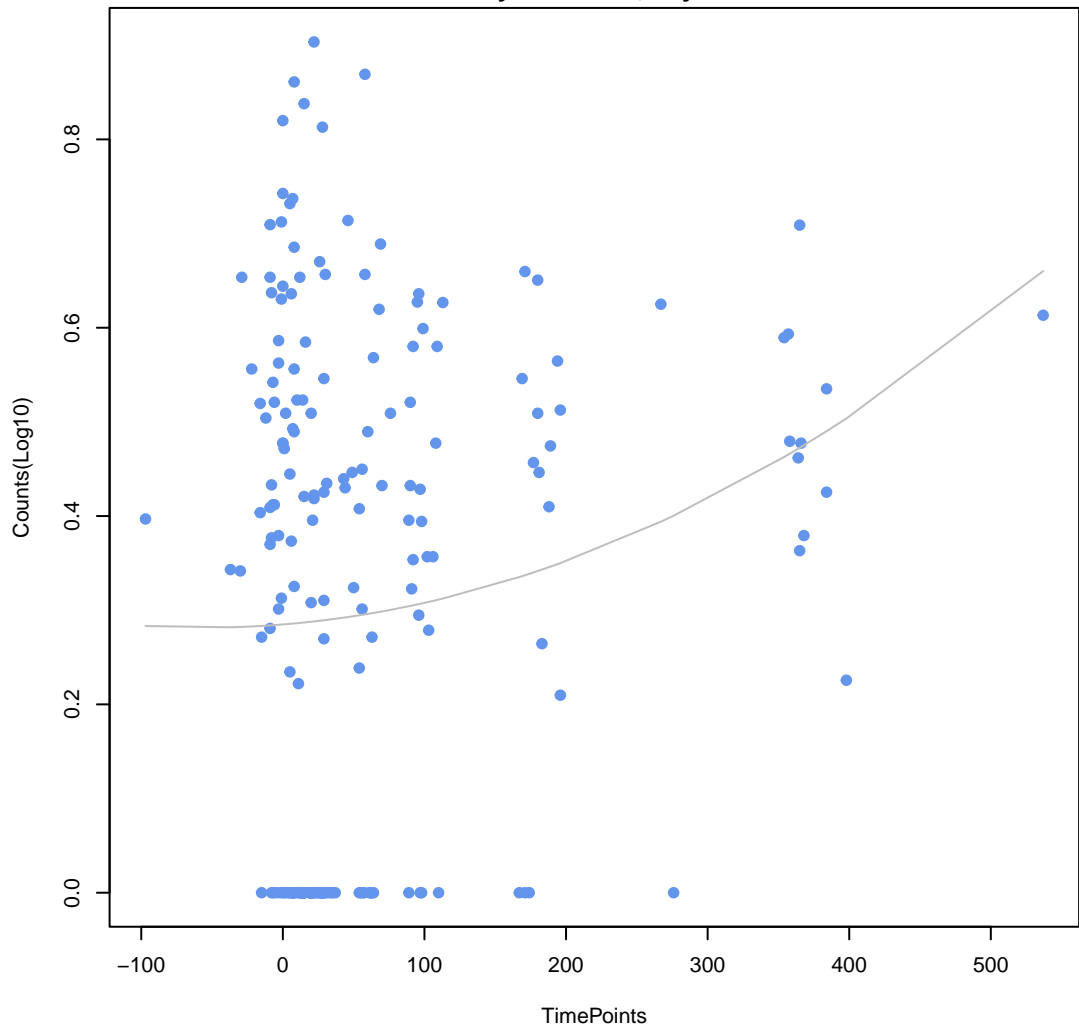


gadW

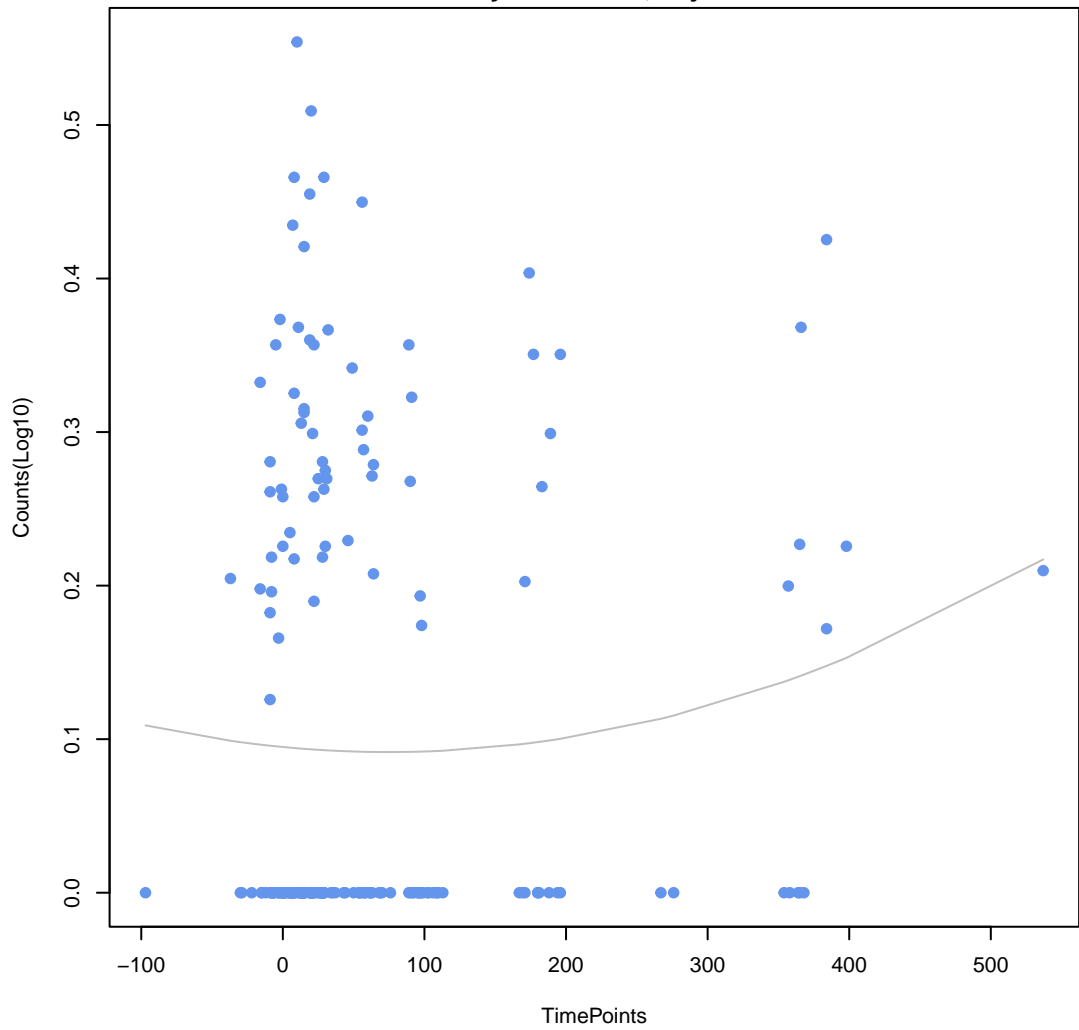
ANOVA P=0.536, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.388, adj. F-P=0.866



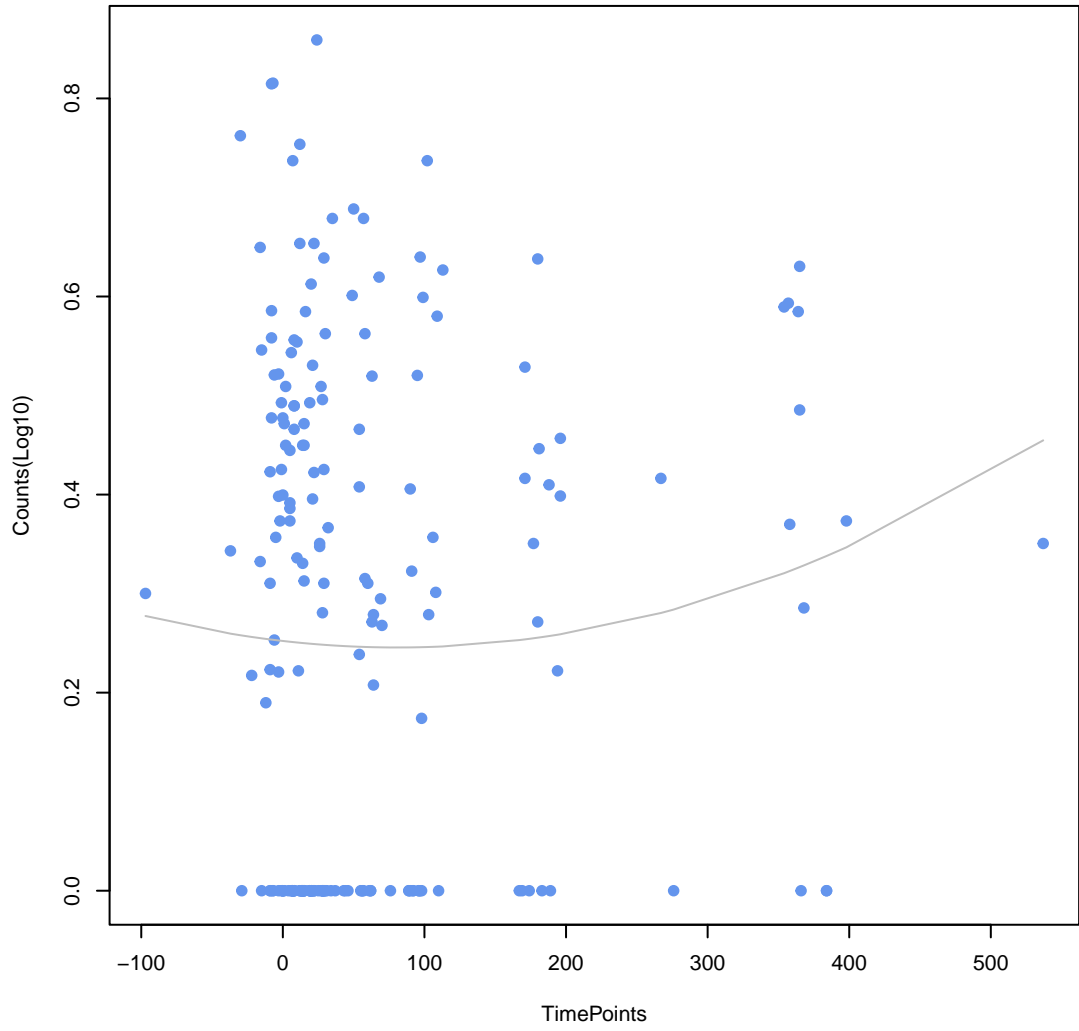
tet(36)
ANOVA P=0.0243, adj. ANOVA-P=0.422
Line vs. Poly F-P=0.42, adj. F-P=0.897



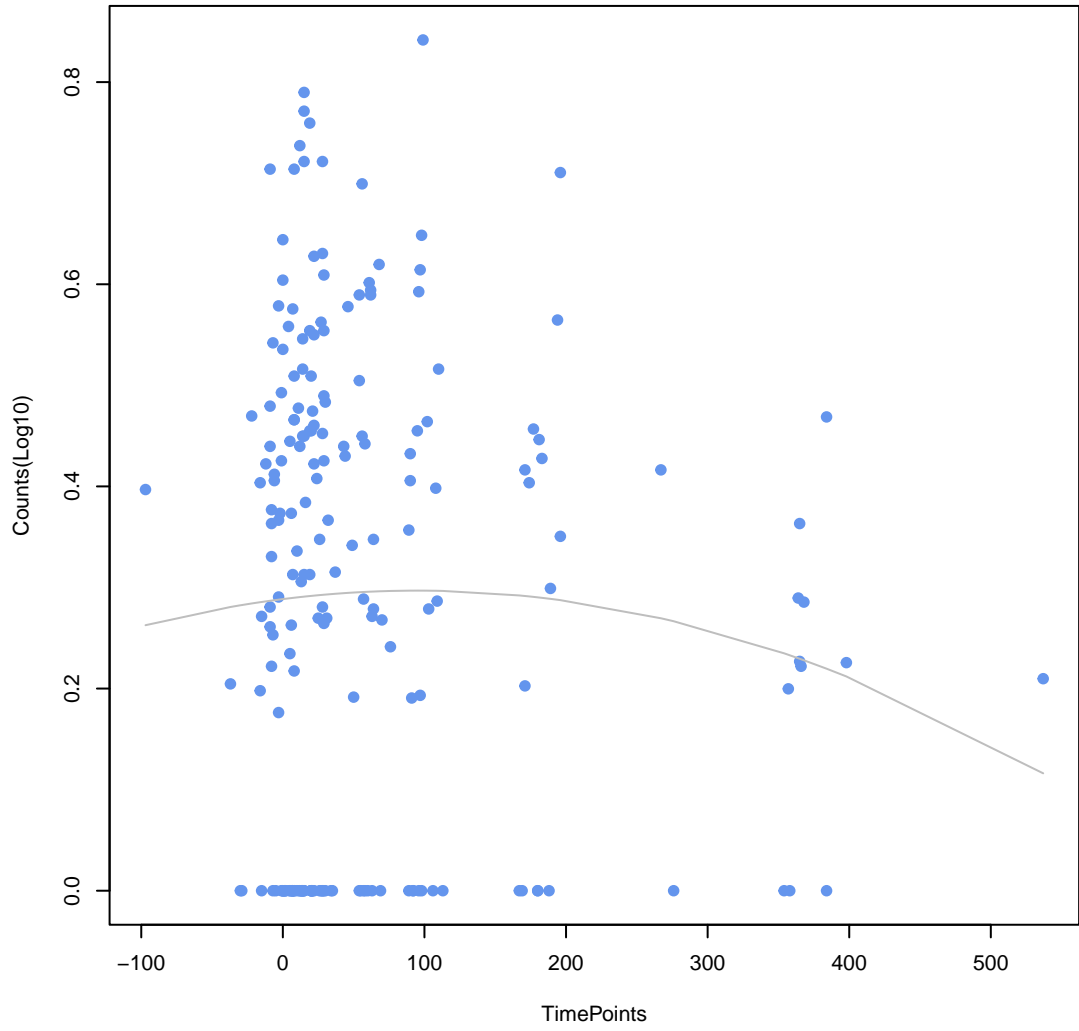
gadX
ANOVA P=0.398, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.429, adj. F-P=0.897



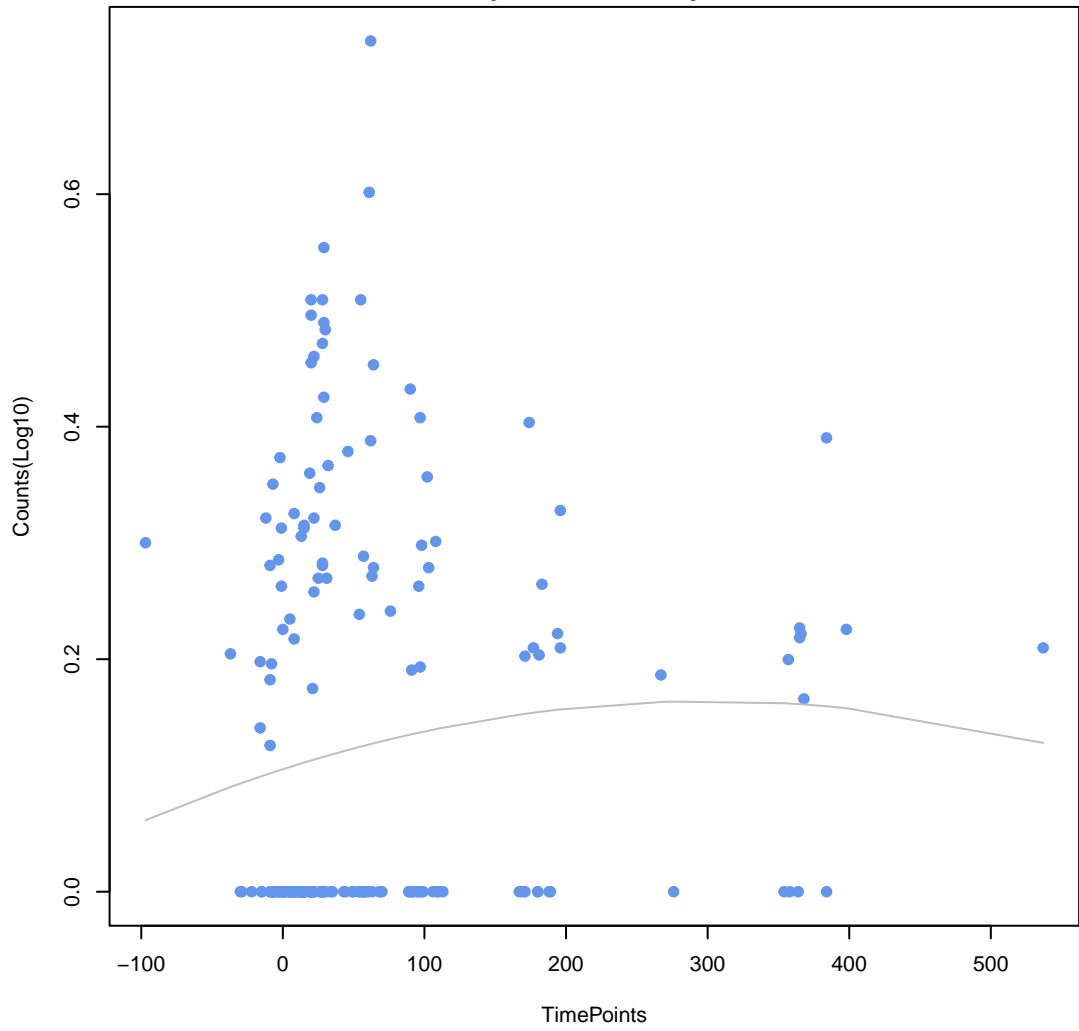
ANA-1
ANOVA P=0.428, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.429, adj. F-P=0.897



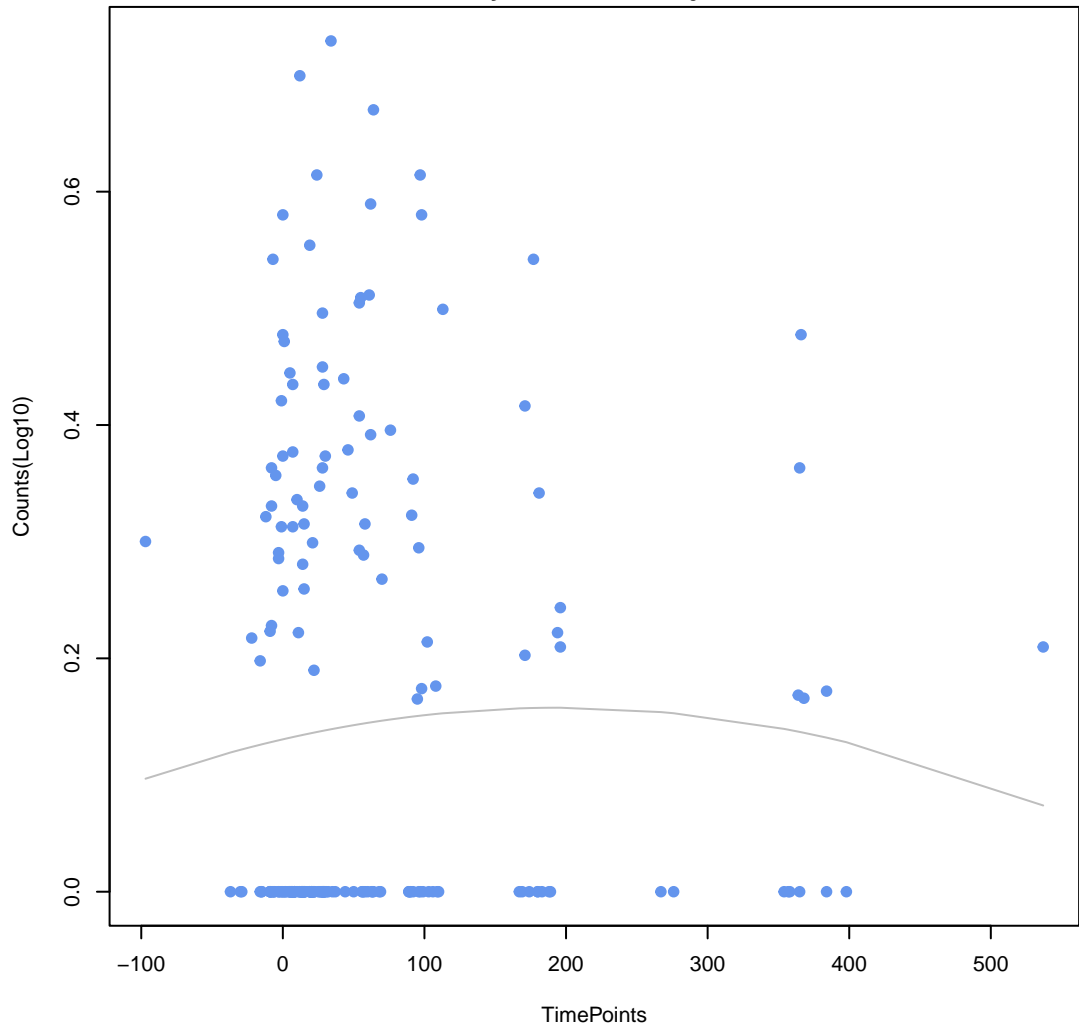
mdtC
ANOVA P=0.513, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.438, adj. F-P=0.897



marA
ANOVA P=0.289, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.445, adj. F-P=0.897

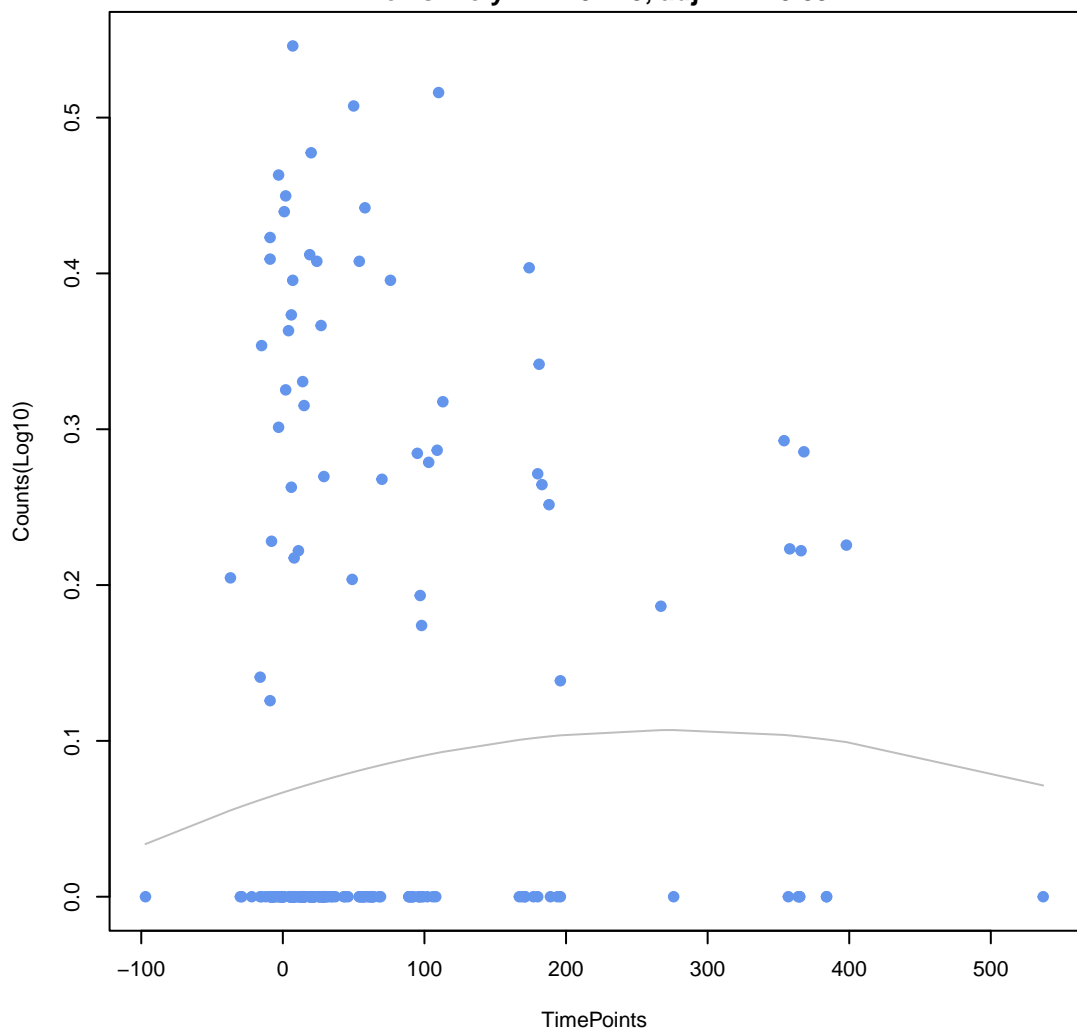


Klebsiella pneumoniae KpnH
ANOVA P=0.751, adj. ANOVA-P=0.855
Line vs. Poly F-P=0.468, adj. F-P=0.897



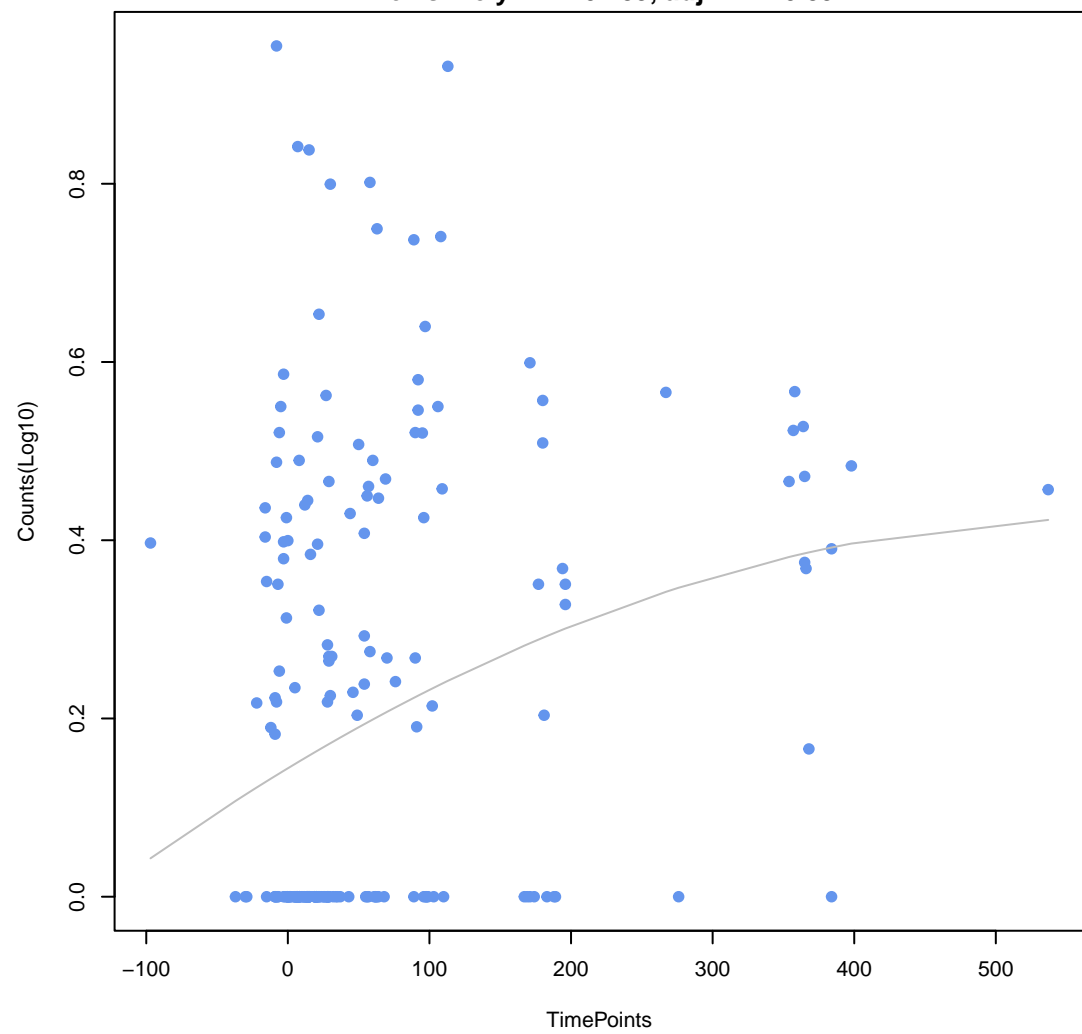
mtrD

ANOVA P=0.448, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.473, adj. F-P=0.897



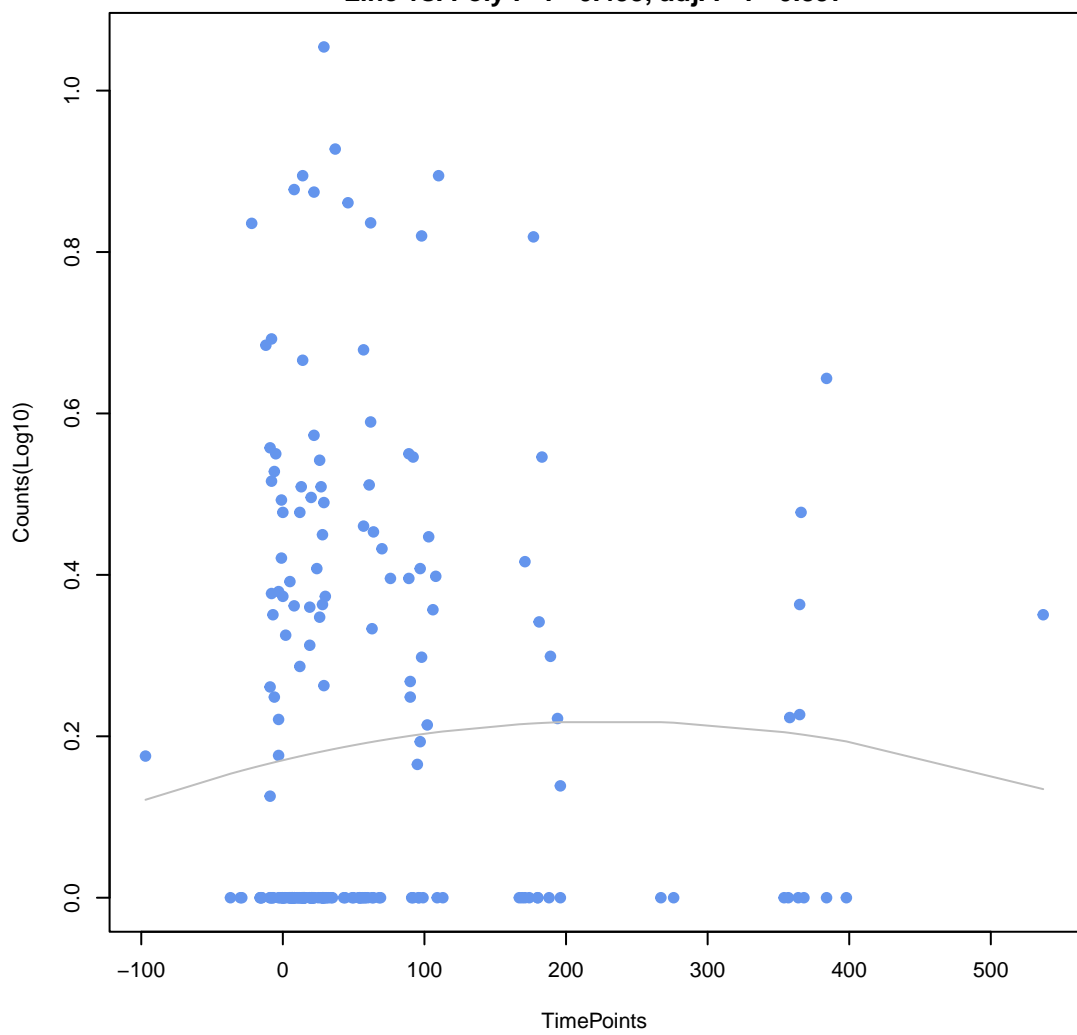
nimA

ANOVA P=0.000333, adj. ANOVA-P=0.0356
Line vs. Poly F-P=0.489, adj. F-P=0.897



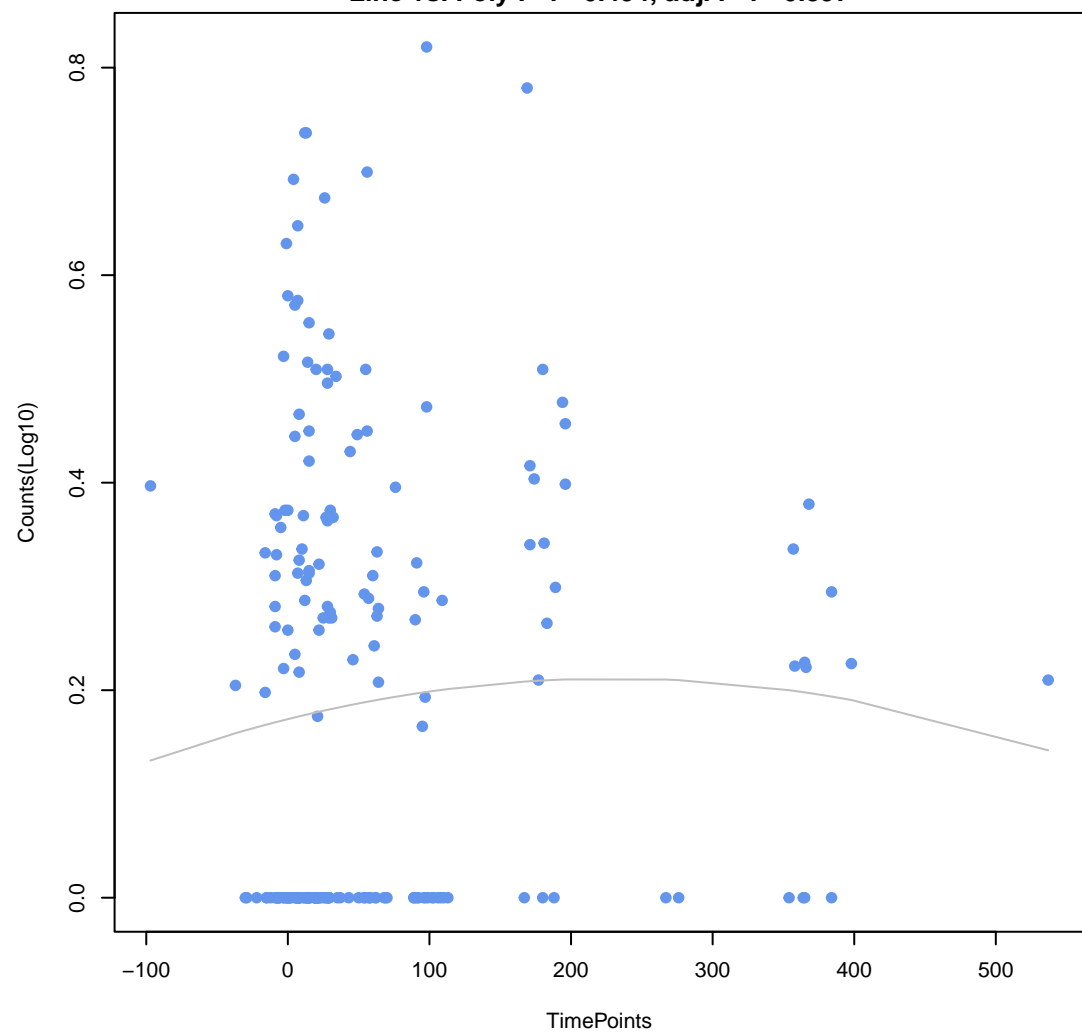
oqxB

ANOVA P=0.676, adj. ANOVA-P=0.837
Line vs. Poly F-P=0.493, adj. F-P=0.897

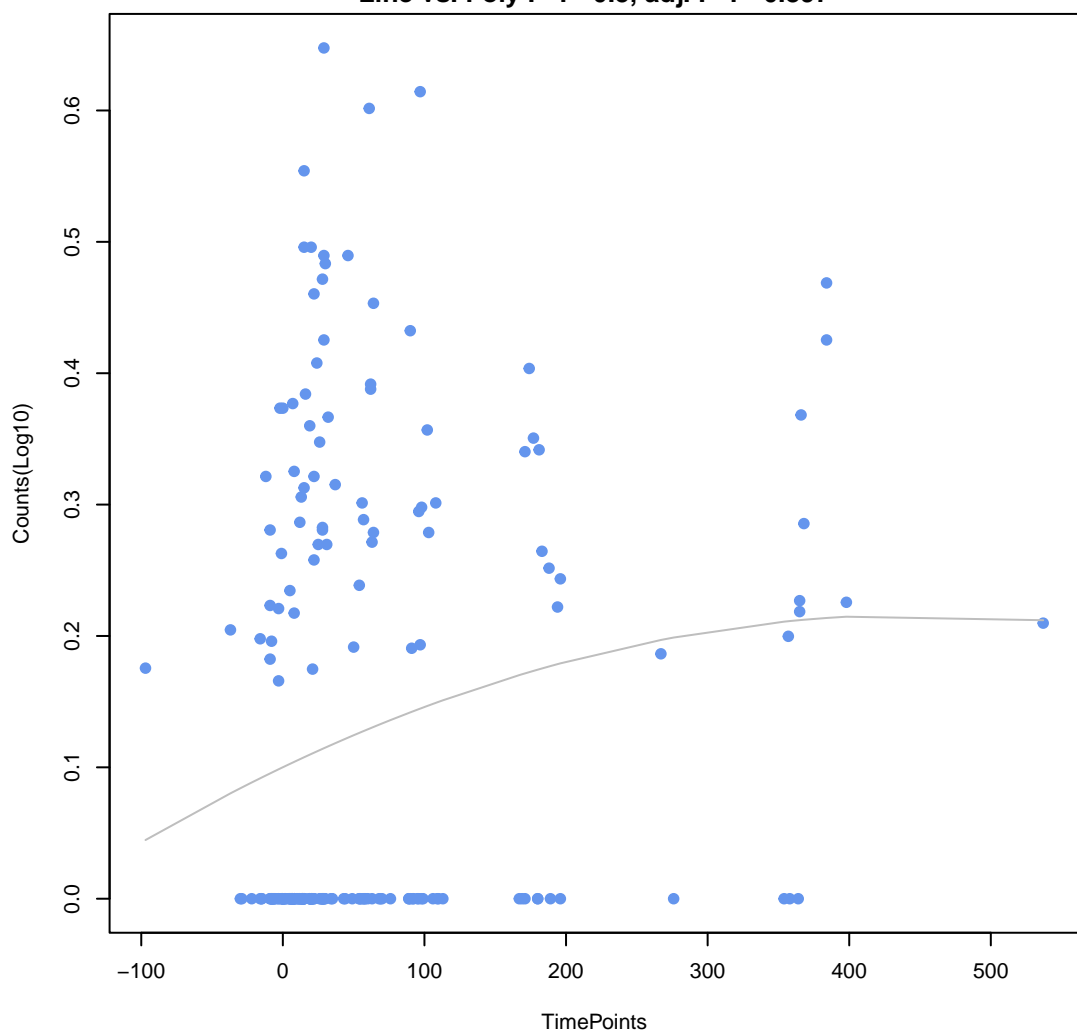


ToIC

ANOVA P=0.681, adj. ANOVA-P=0.837
Line vs. Poly F-P=0.494, adj. F-P=0.897

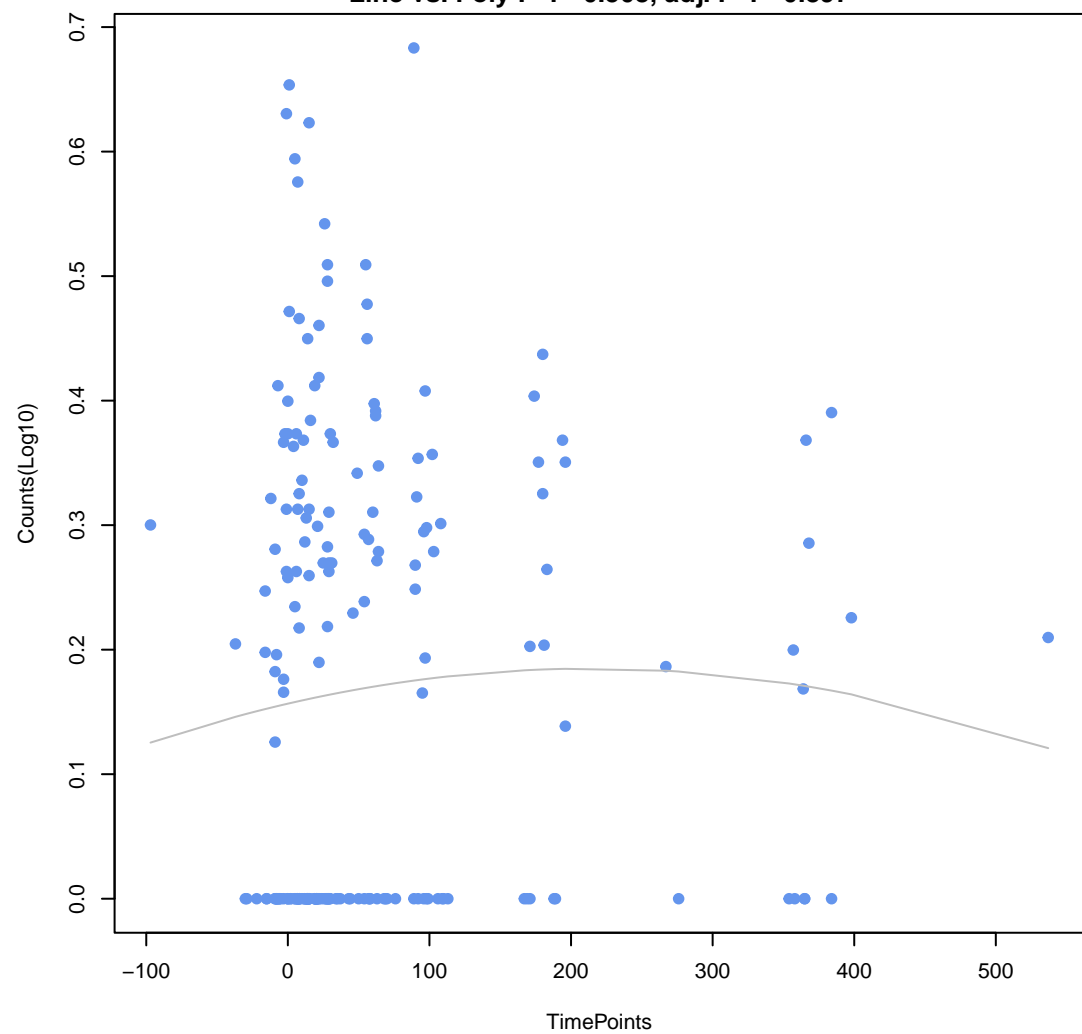


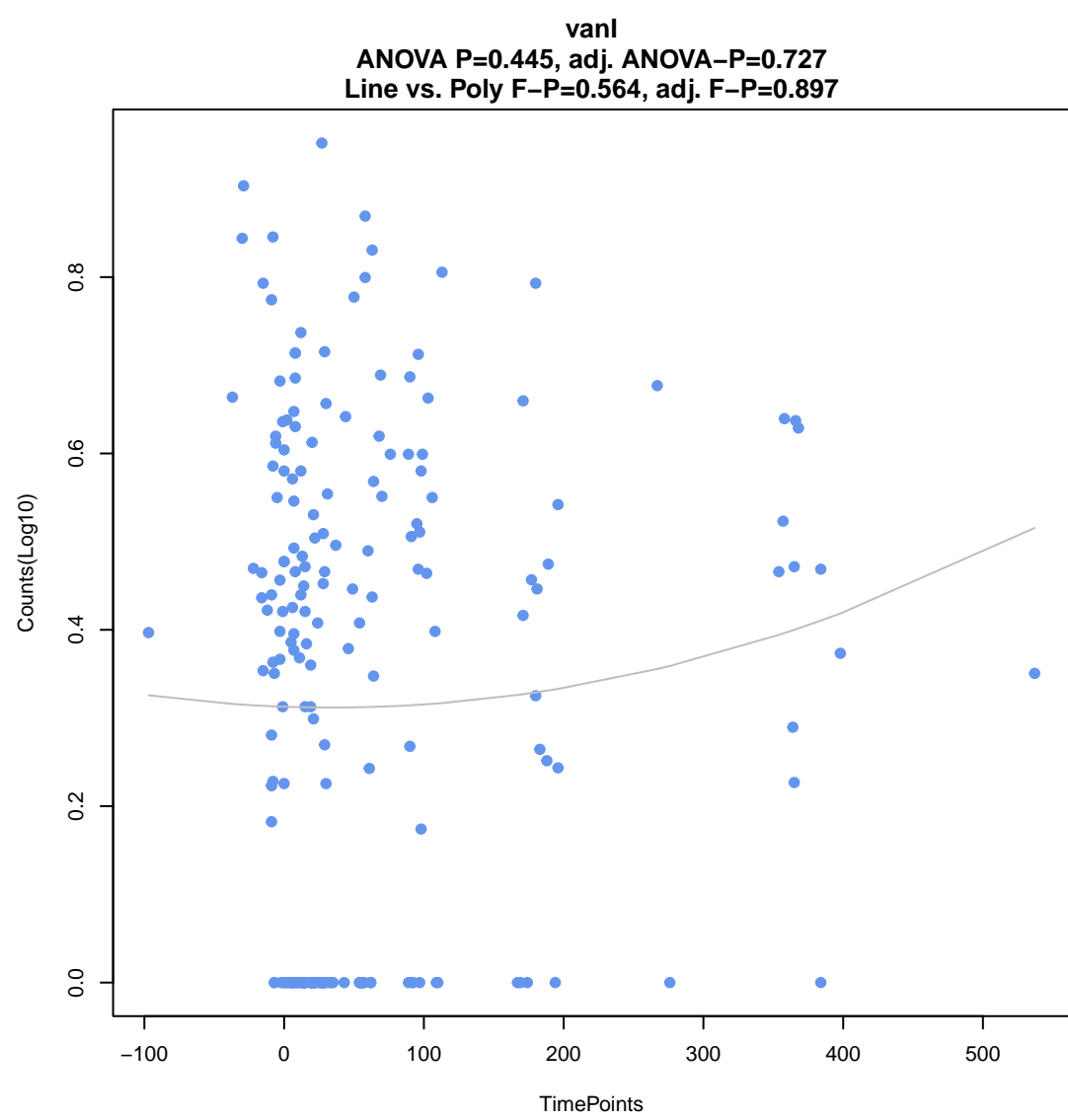
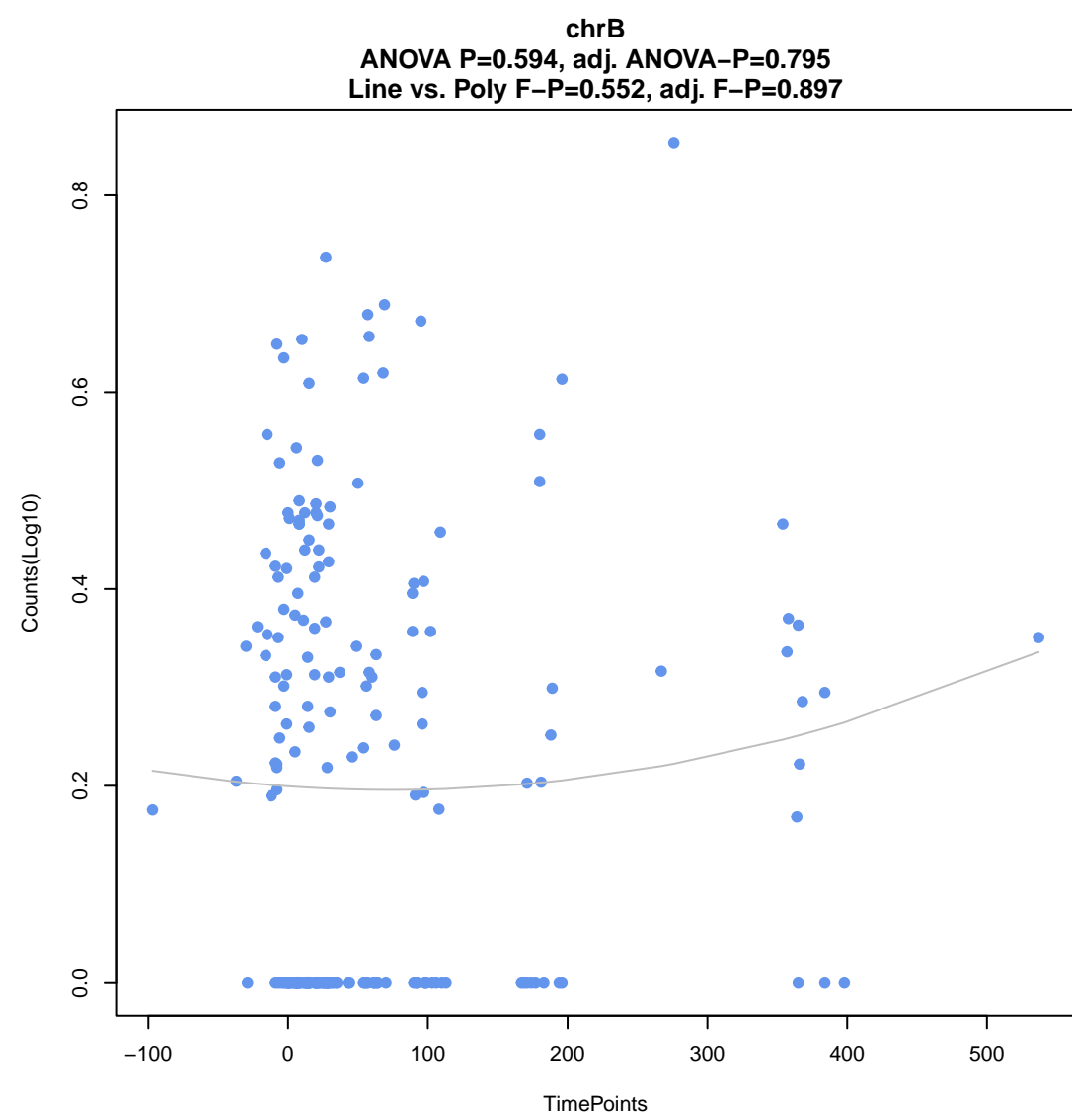
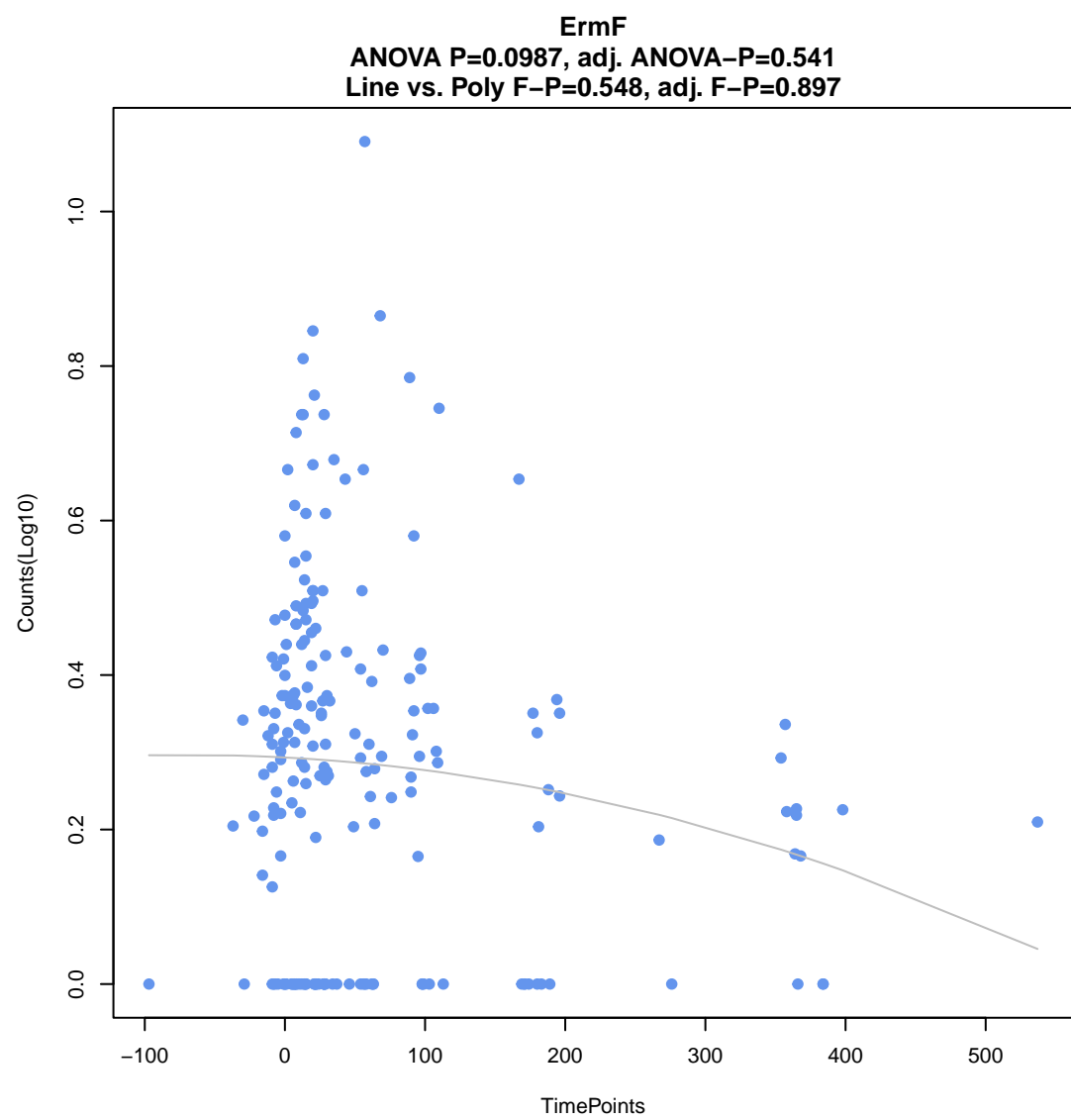
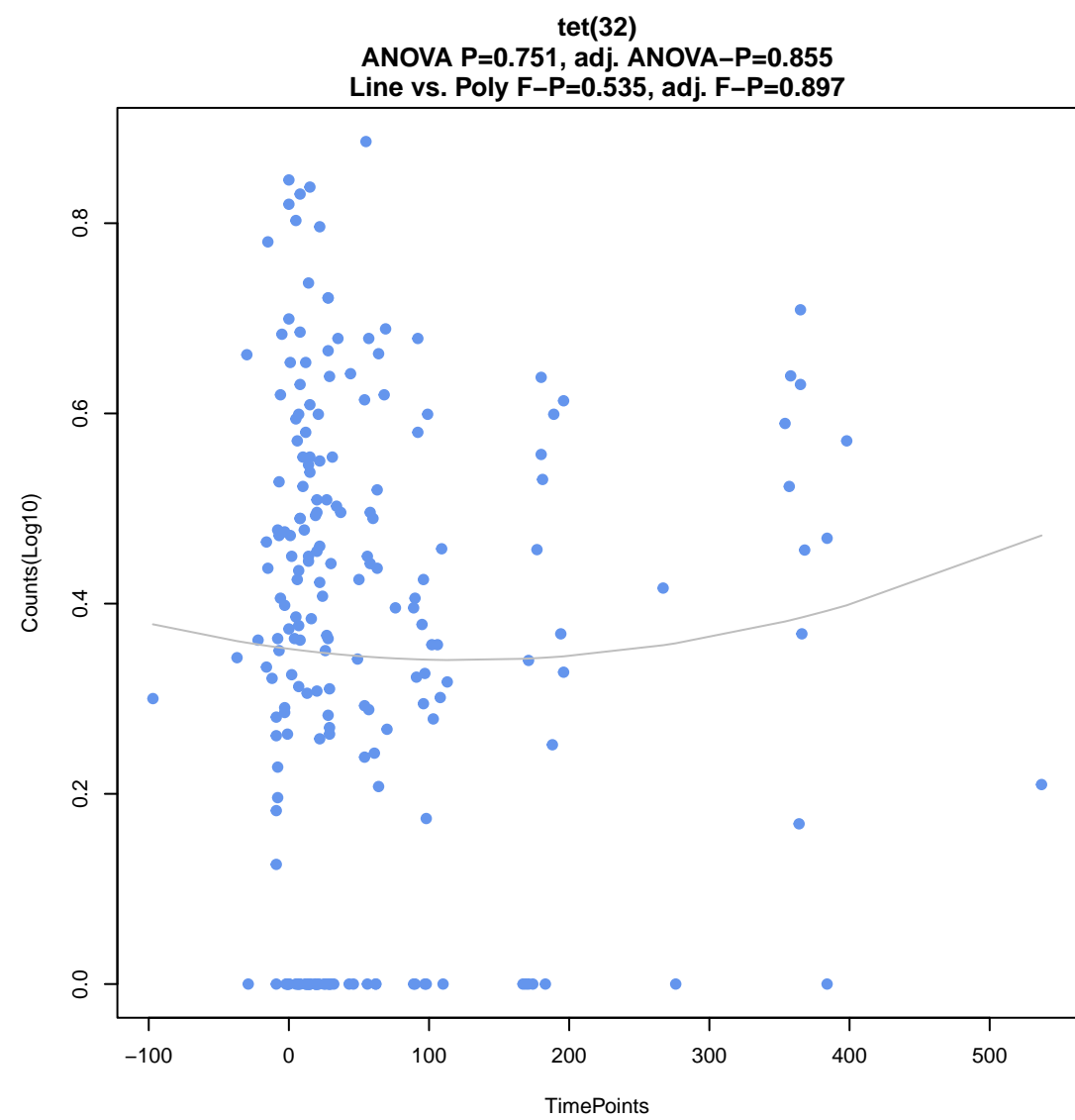
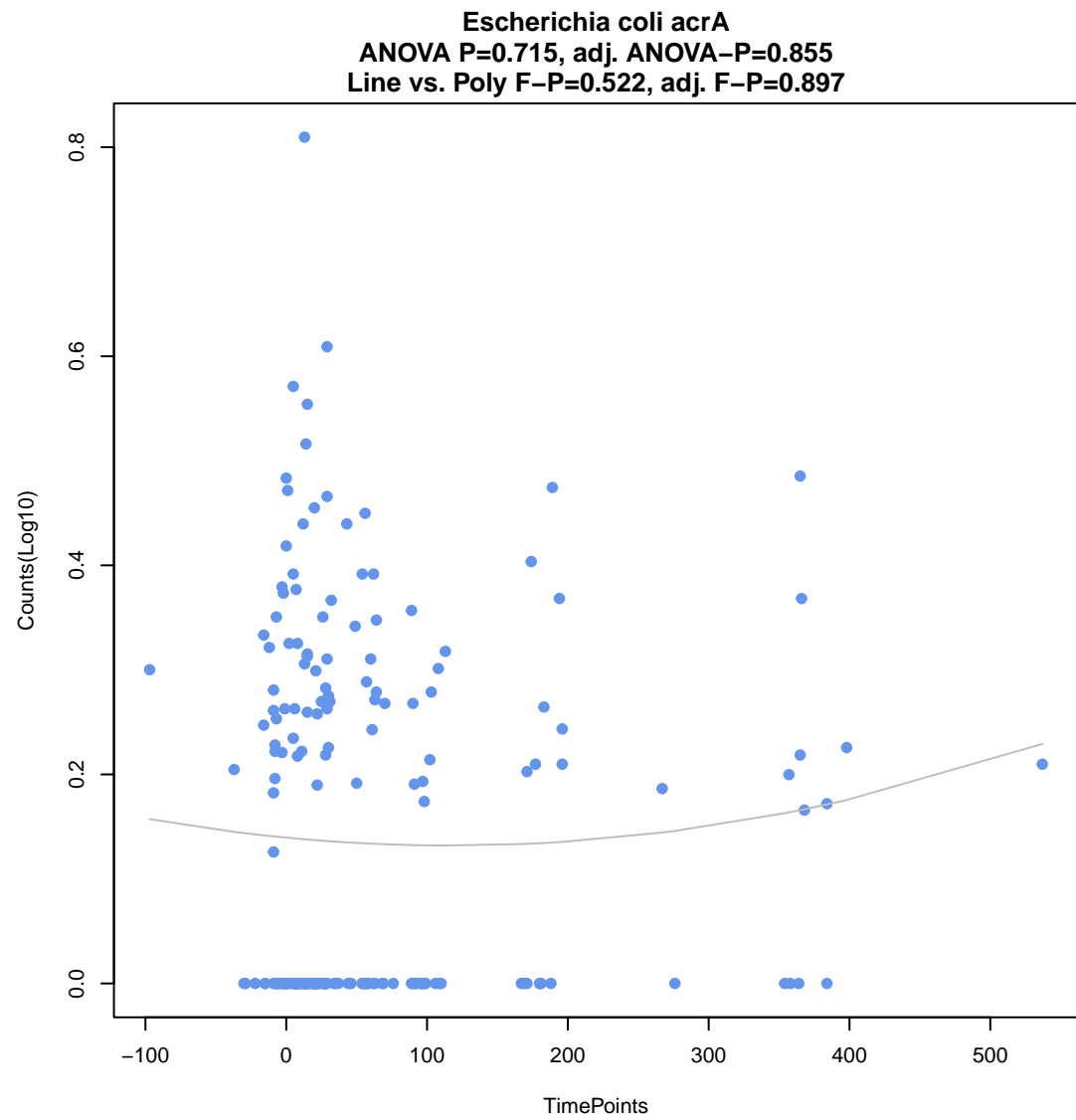
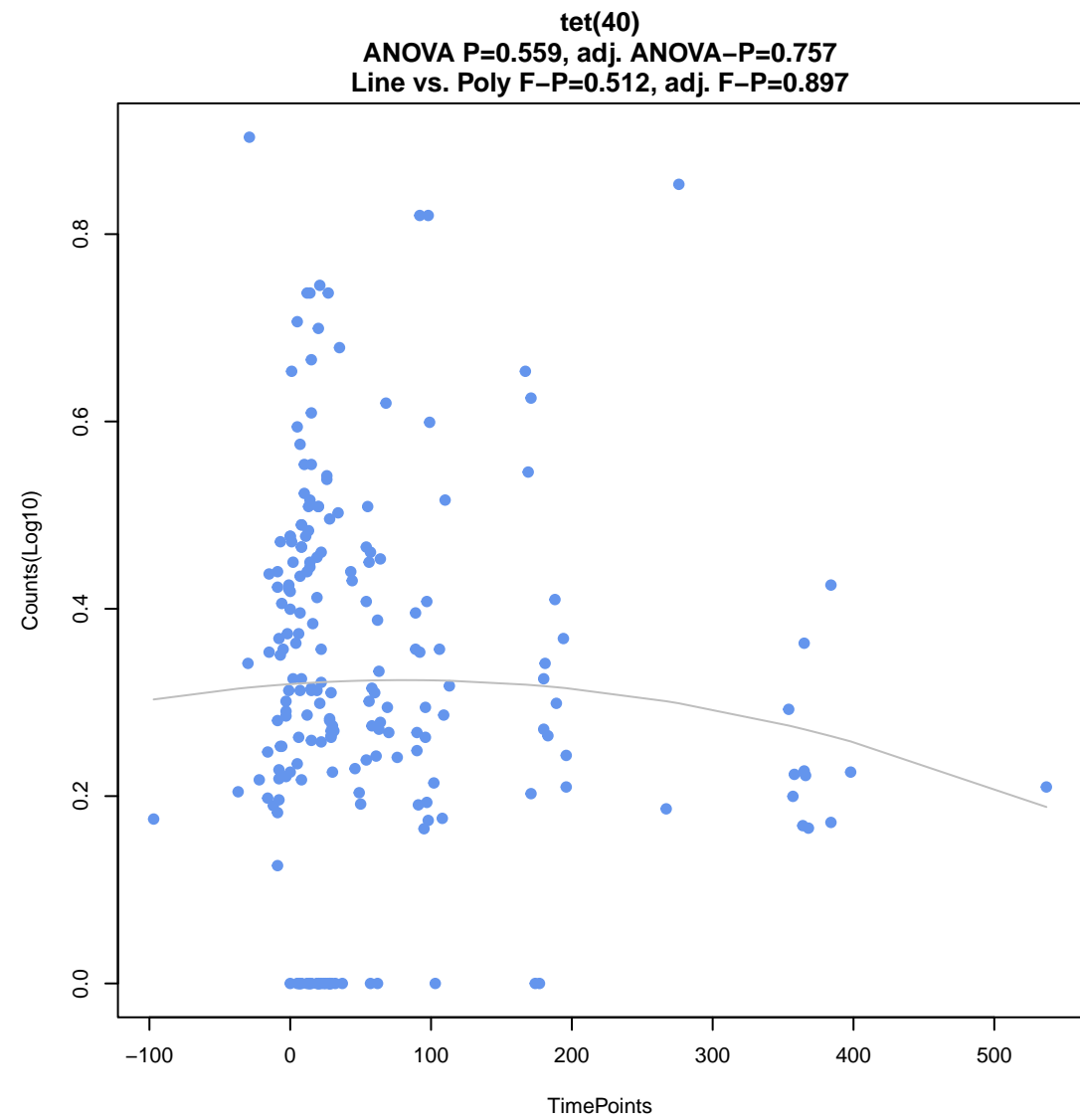
Escherichia coli AcrAB-ToIC with MarR mutations conferring resistance to ciprofloxacin and
ANOVA P=0.0255, adj. ANOVA-P=0.422
Line vs. Poly F-P=0.5, adj. F-P=0.897



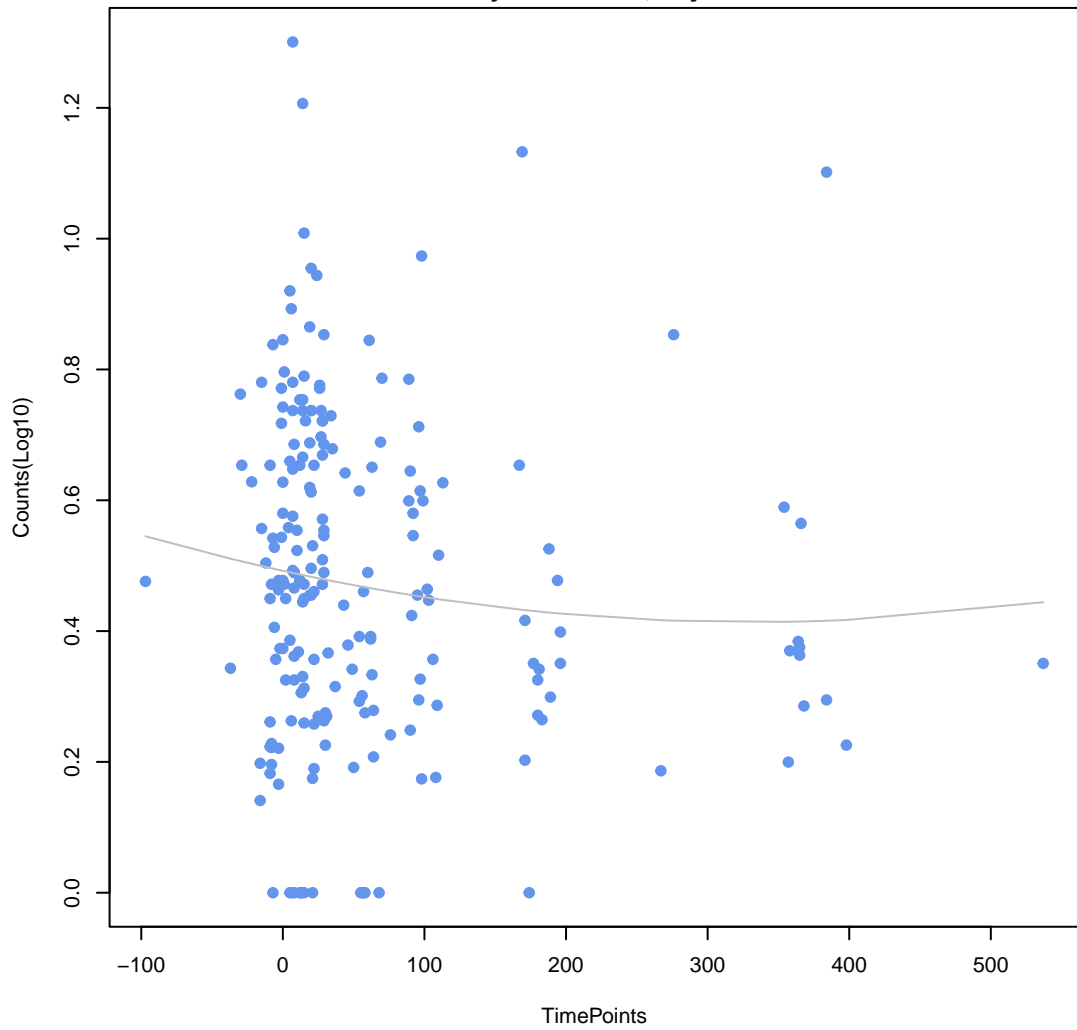
emrA

ANOVA P=0.747, adj. ANOVA-P=0.855
Line vs. Poly F-P=0.508, adj. F-P=0.897

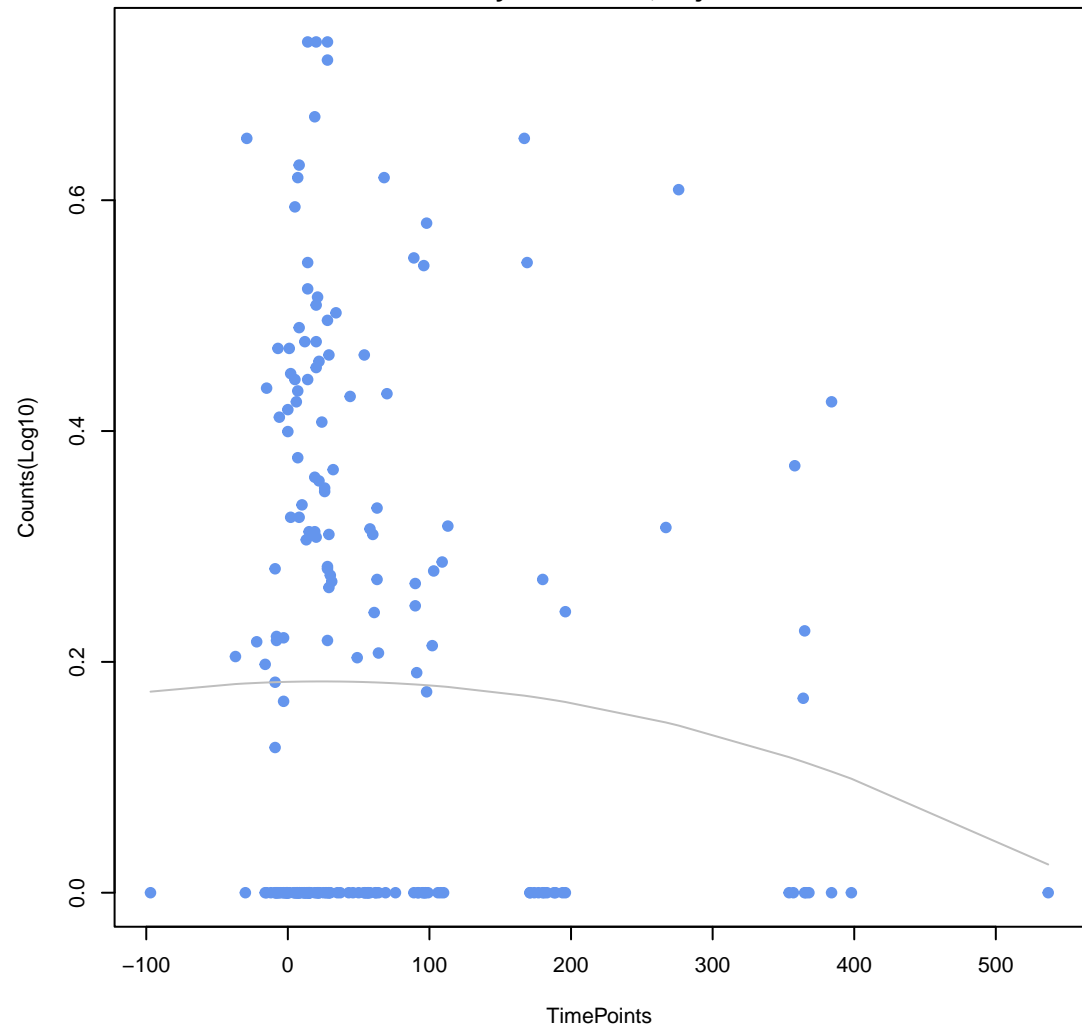




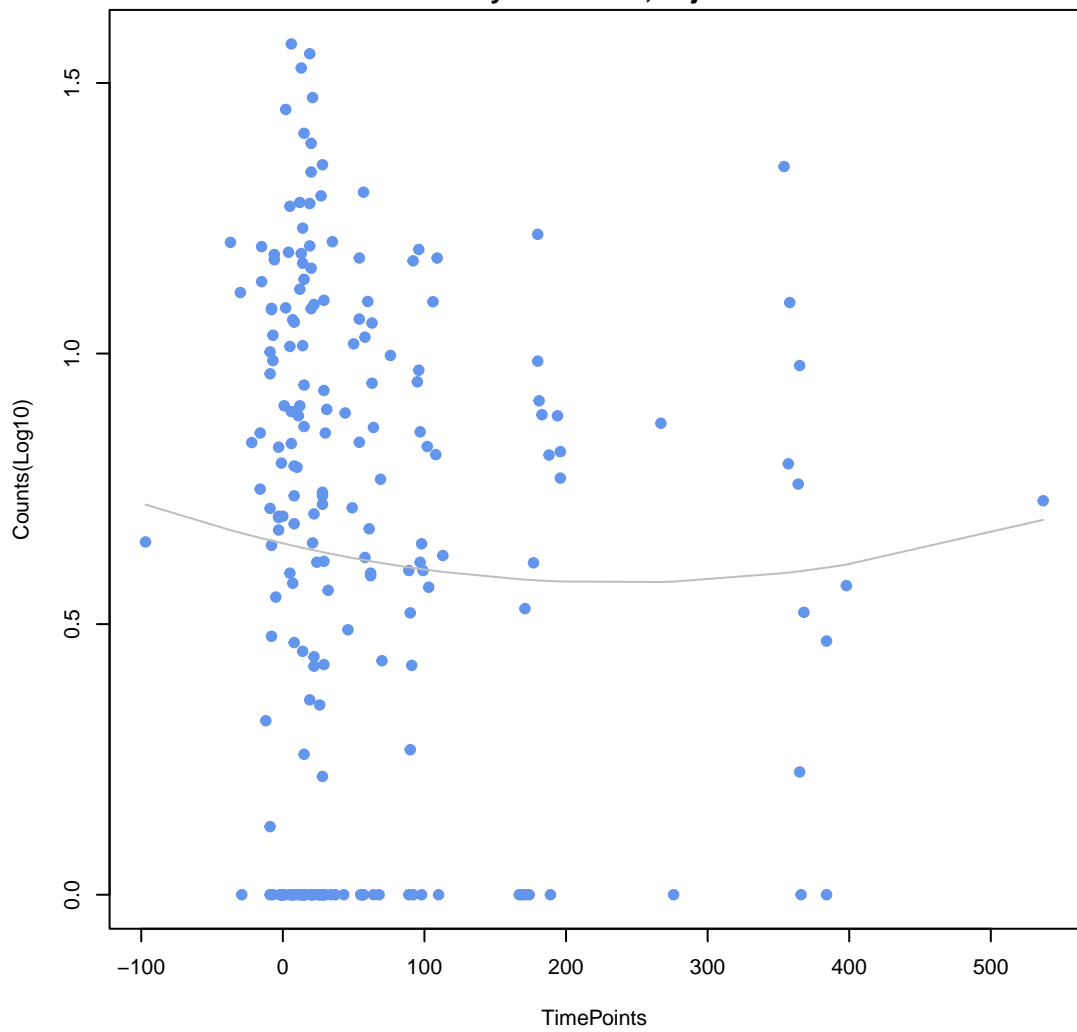
tet(M)
ANOVA P=0.386, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.572, adj. F-P=0.897



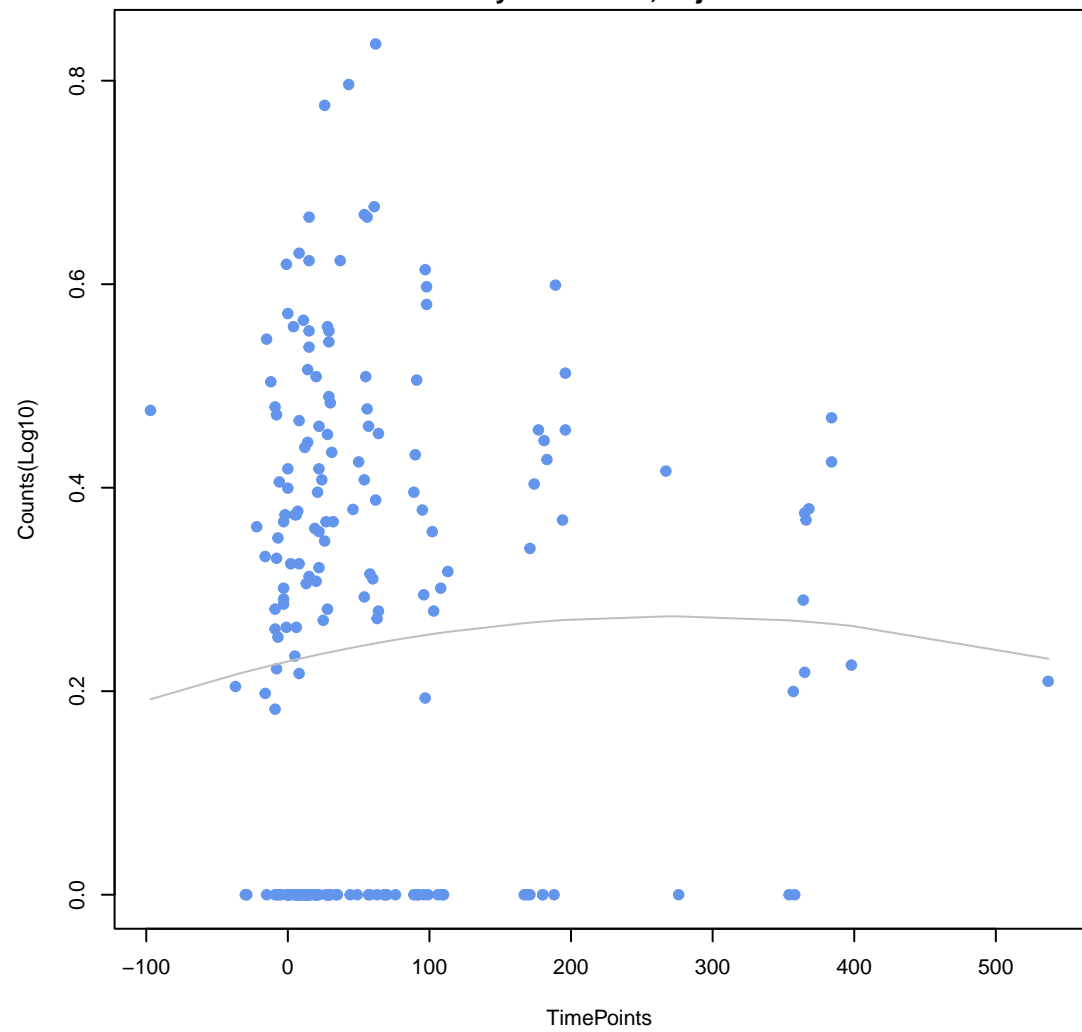
vanX gene in vanA cluster
ANOVA P=0.437, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.581, adj. F-P=0.897



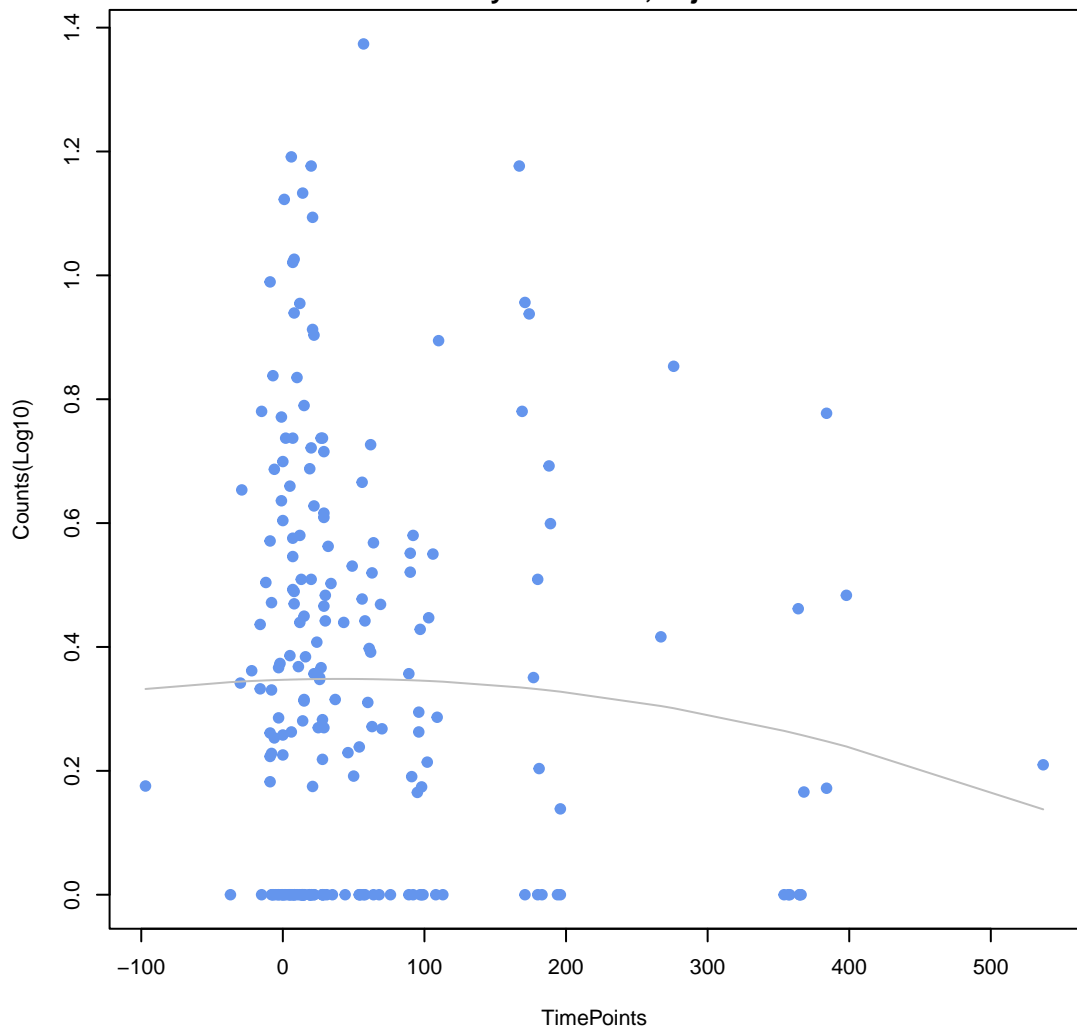
adeF
ANOVA P=0.761, adj. ANOVA-P=0.857
Line vs. Poly F-P=0.582, adj. F-P=0.897



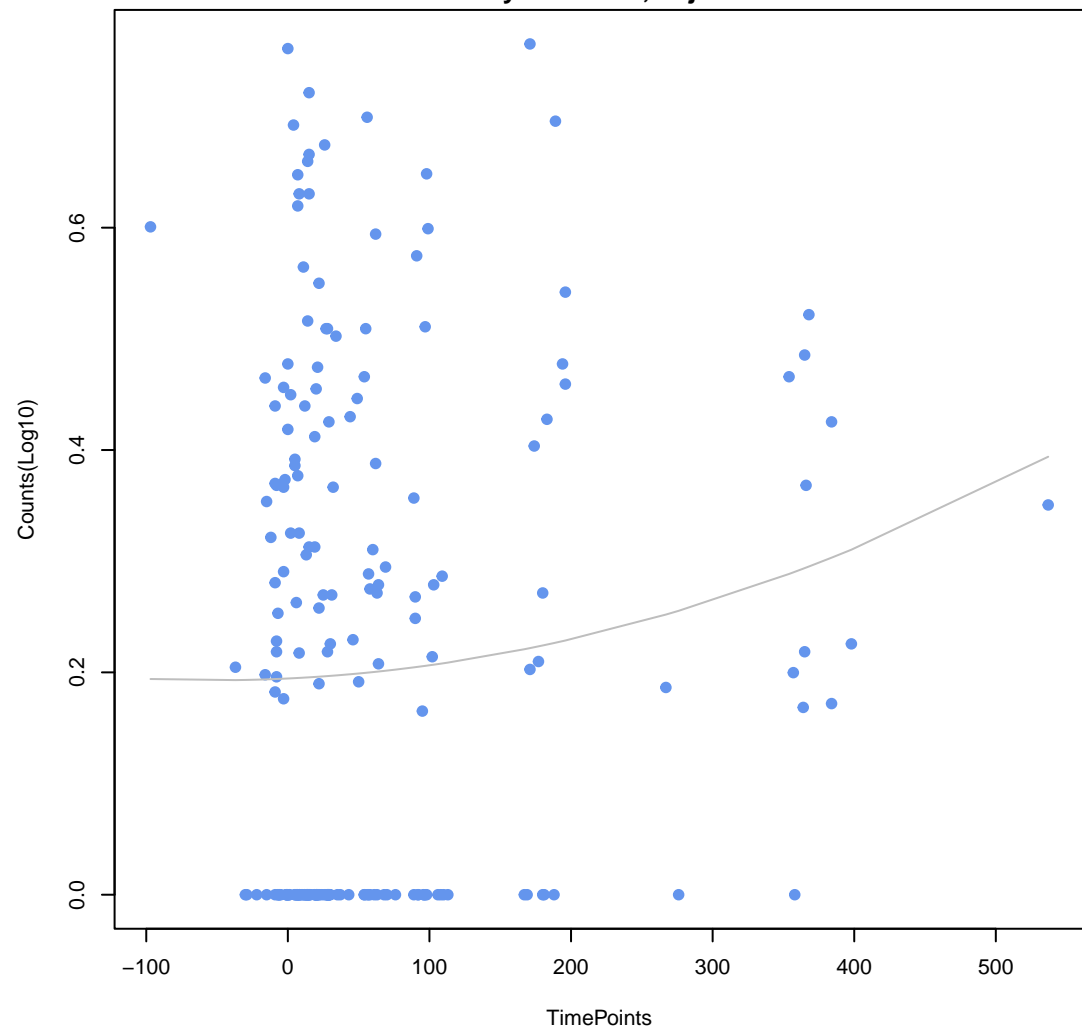
msbA
ANOVA P=0.67, adj. ANOVA-P=0.837
Line vs. Poly F-P=0.603, adj. F-P=0.897



ImrD
ANOVA P=0.547, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.605, adj. F-P=0.897

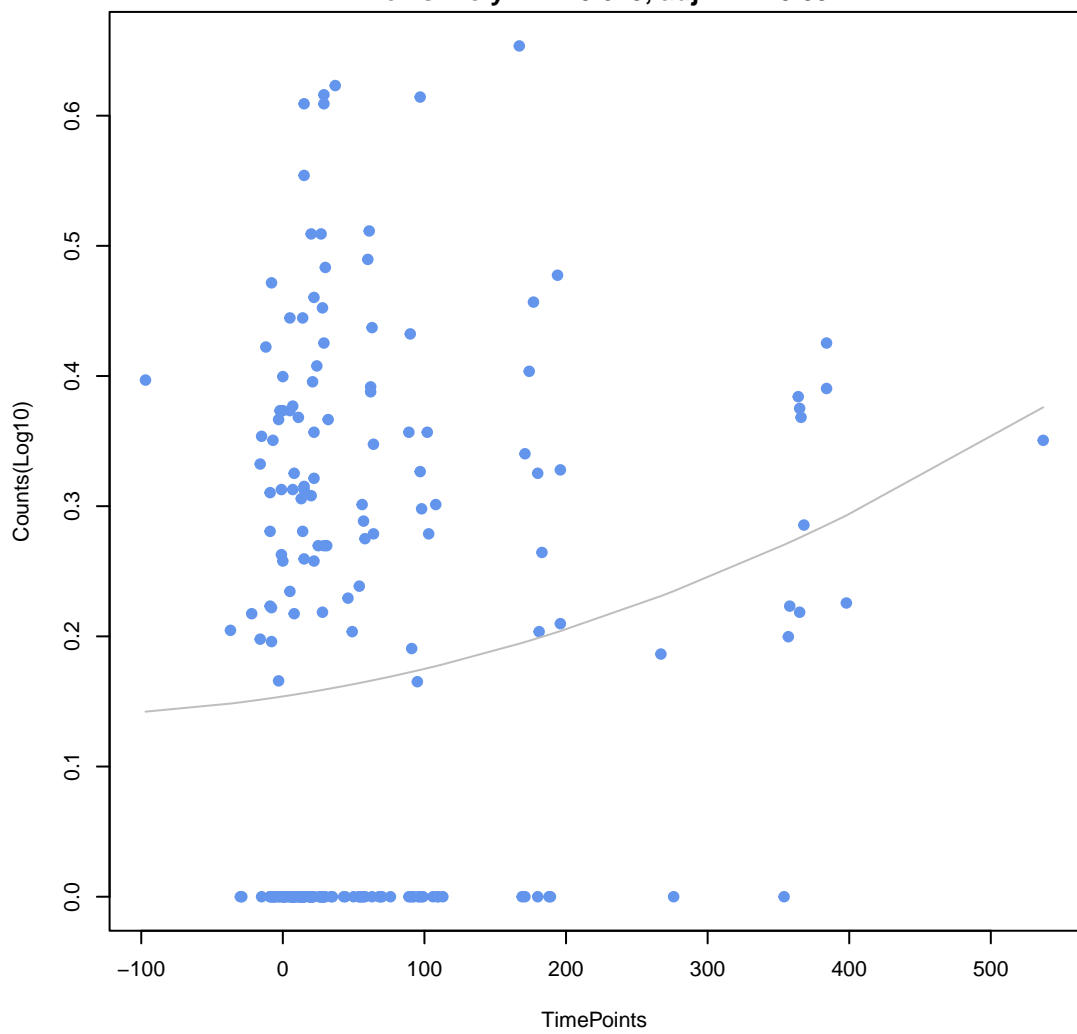


mdtF
ANOVA P=0.233, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.61, adj. F-P=0.897



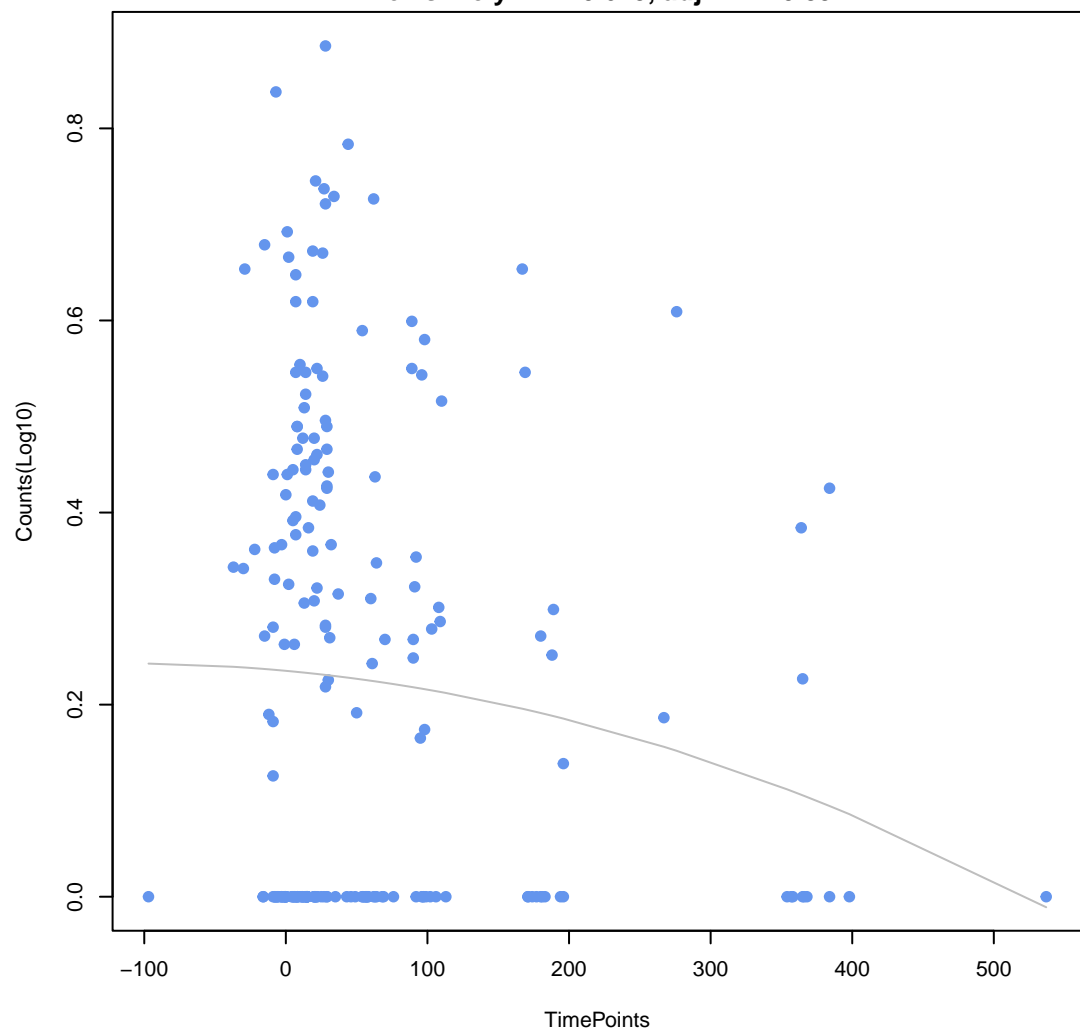
bacA

ANOVA P=0.0456, adj. ANOVA-P=0.47
Line vs. Poly F-P=0.623, adj. F-P=0.897



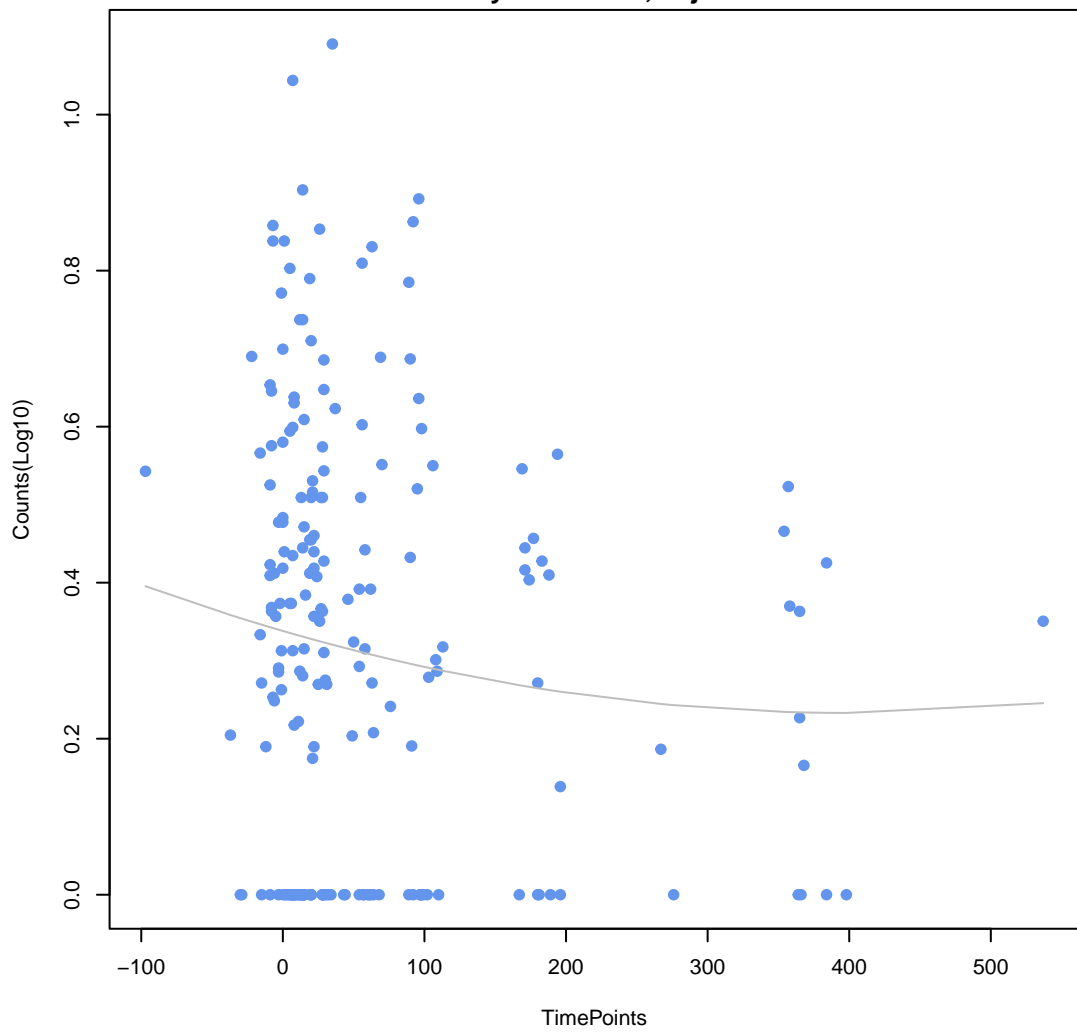
vanH gene in vanA cluster

ANOVA P=0.127, adj. ANOVA-P=0.59
Line vs. Poly F-P=0.625, adj. F-P=0.897



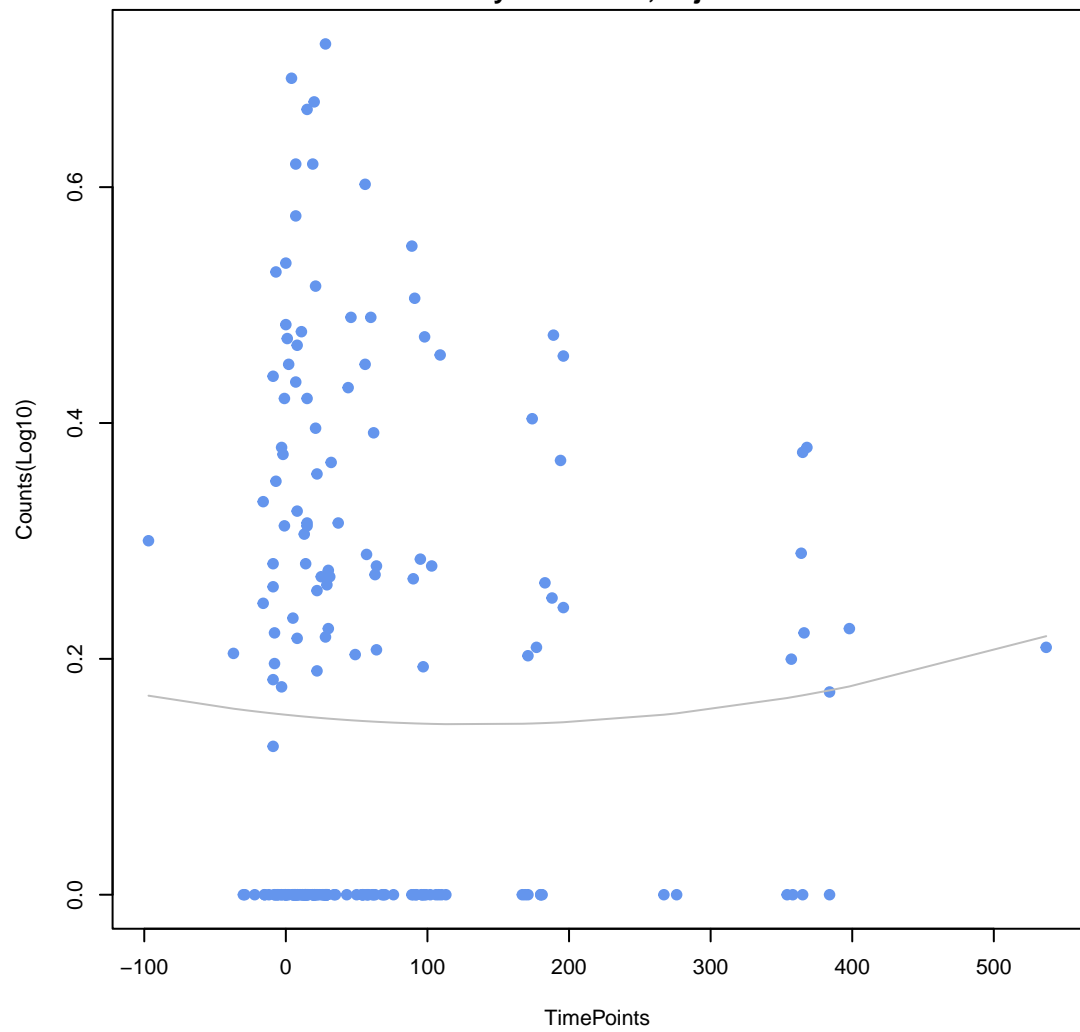
Bifidobacterium adolescentis rpoB mutants conferring resistance to rifampicin

ANOVA P=0.272, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.629, adj. F-P=0.897



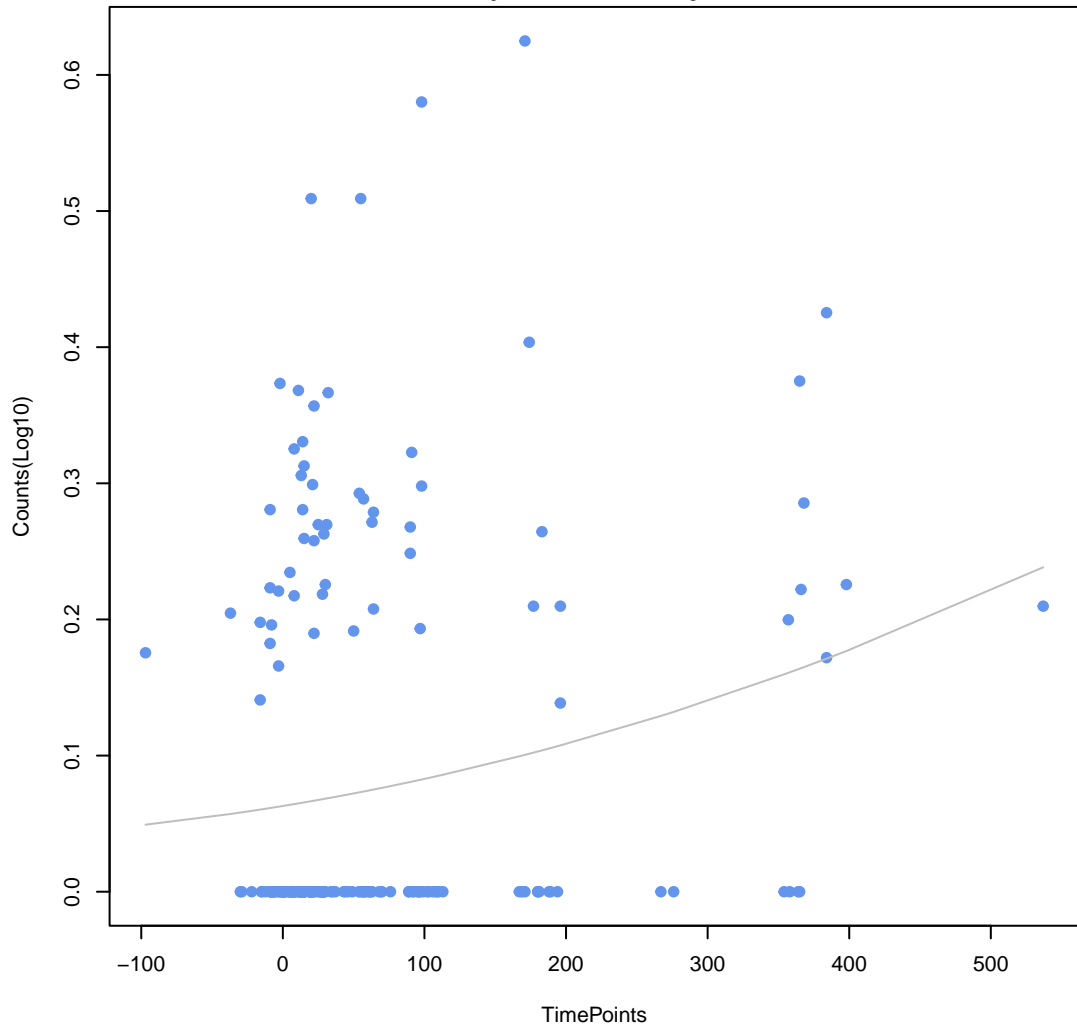
mdtP

ANOVA P=0.868, adj. ANOVA-P=0.917
Line vs. Poly F-P=0.644, adj. F-P=0.906



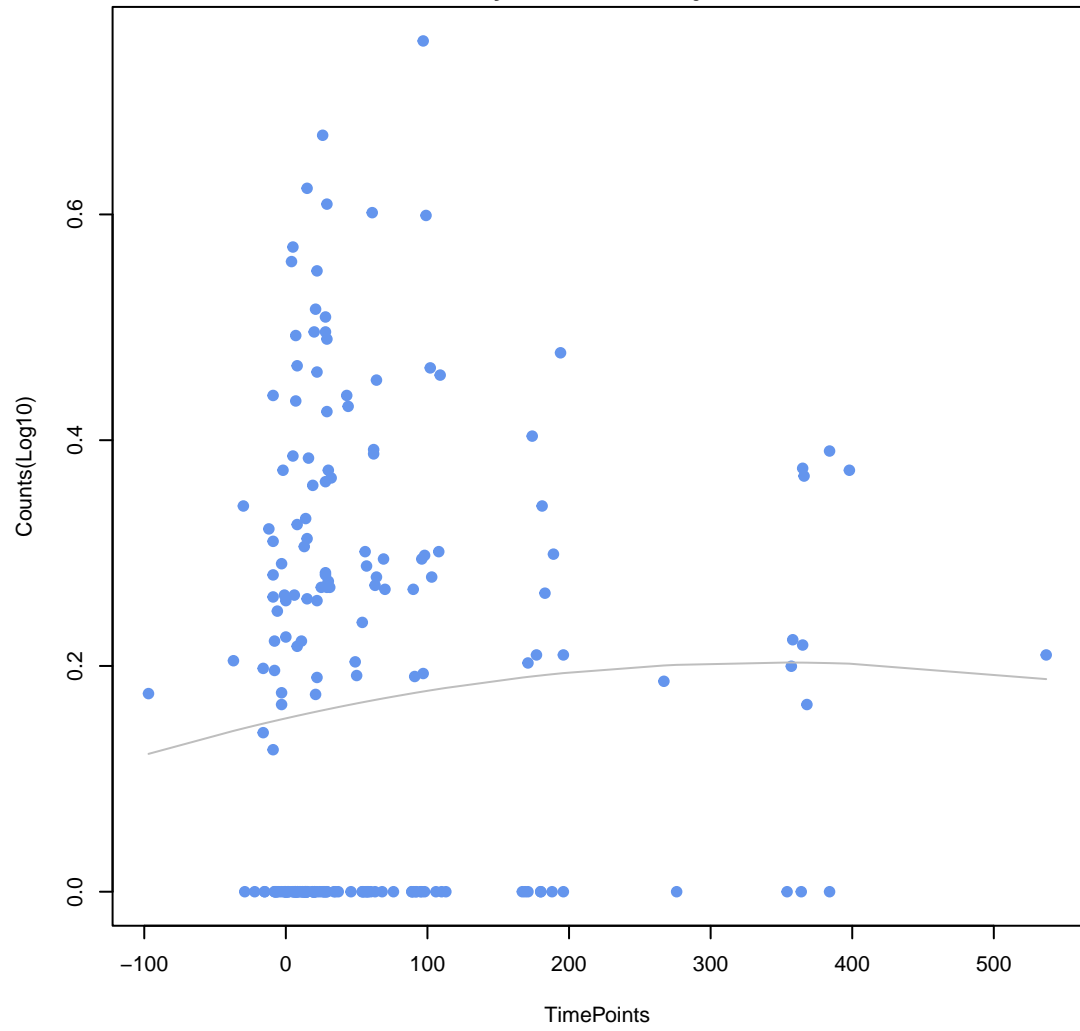
evgA

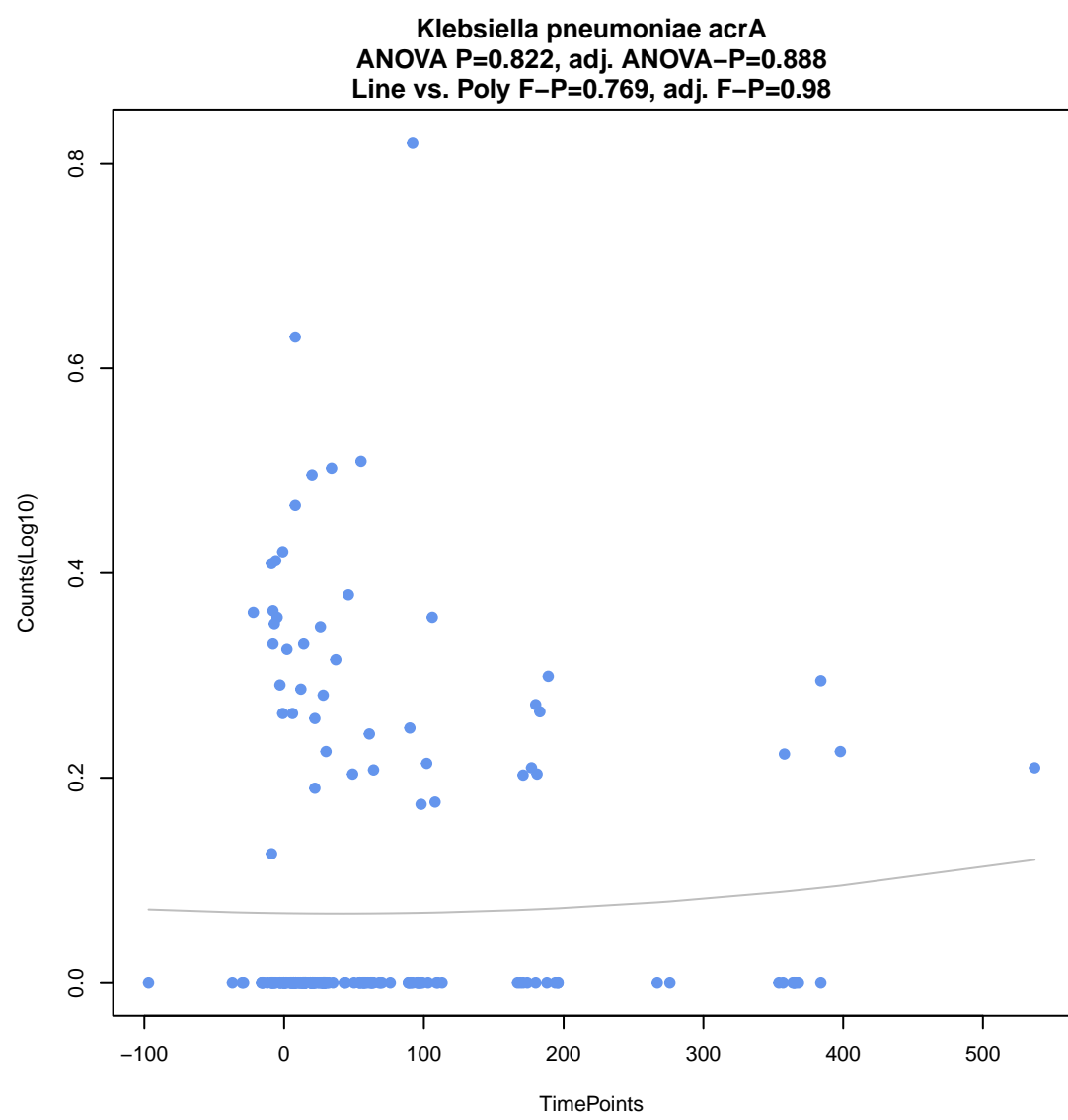
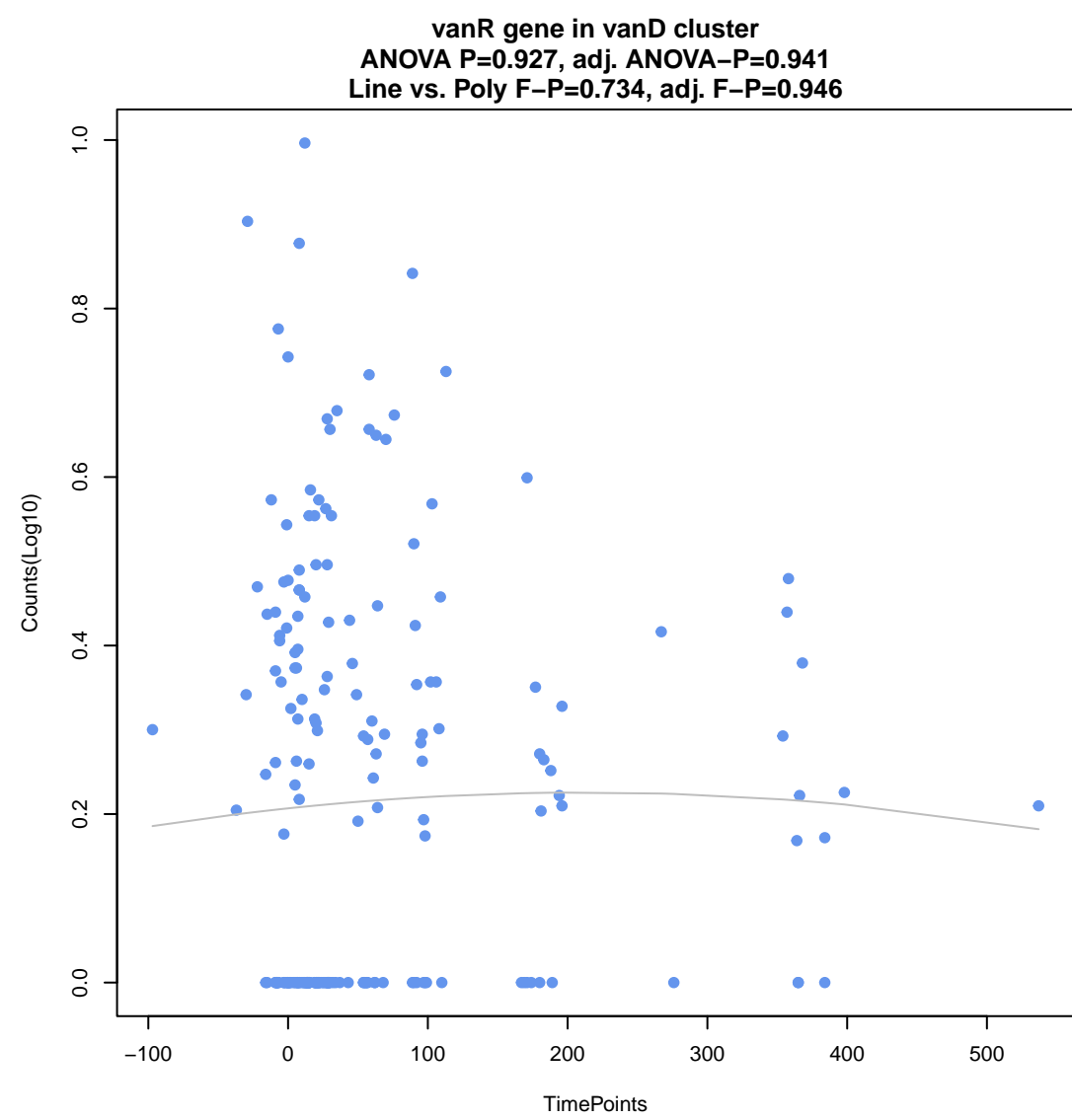
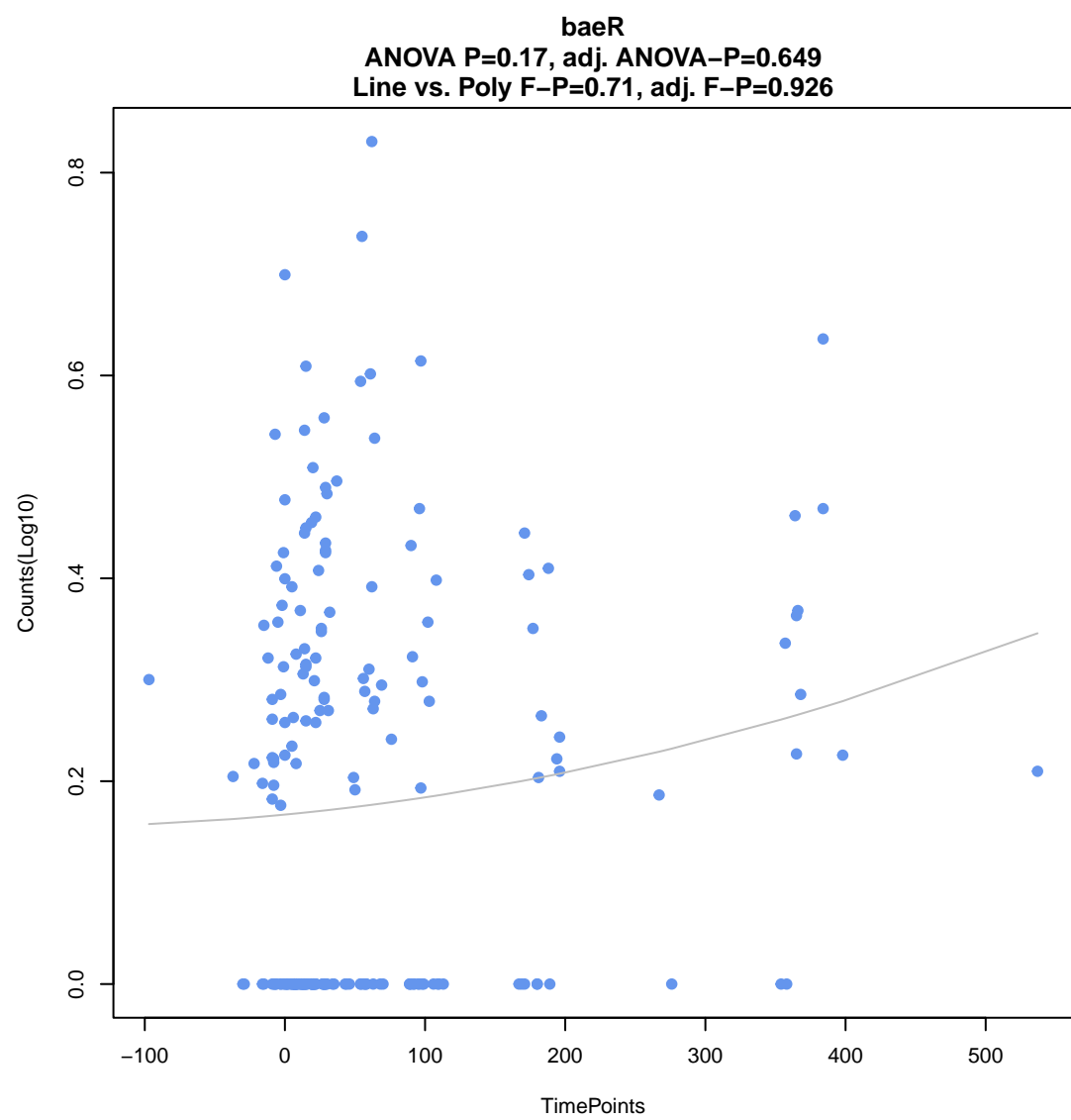
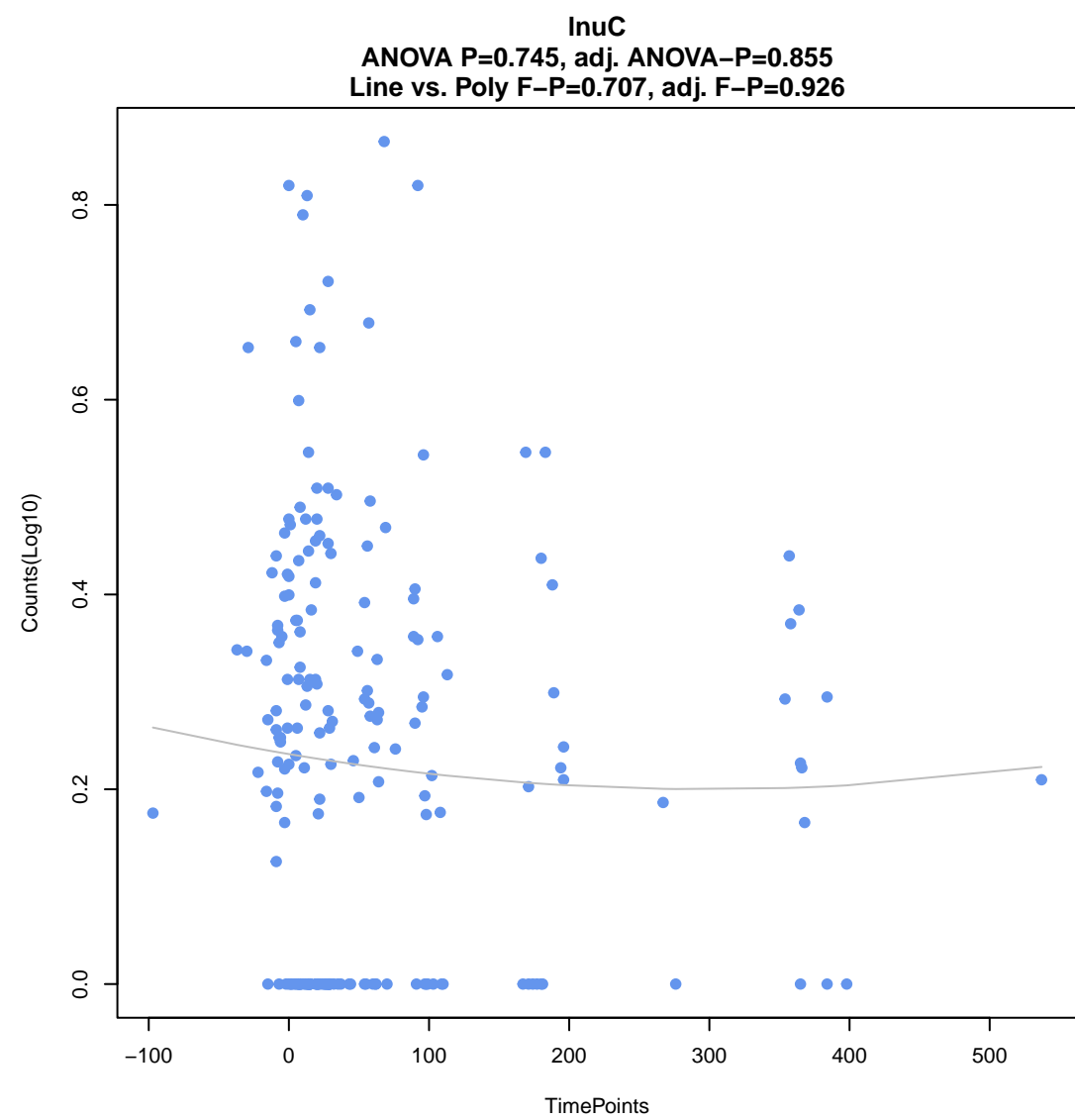
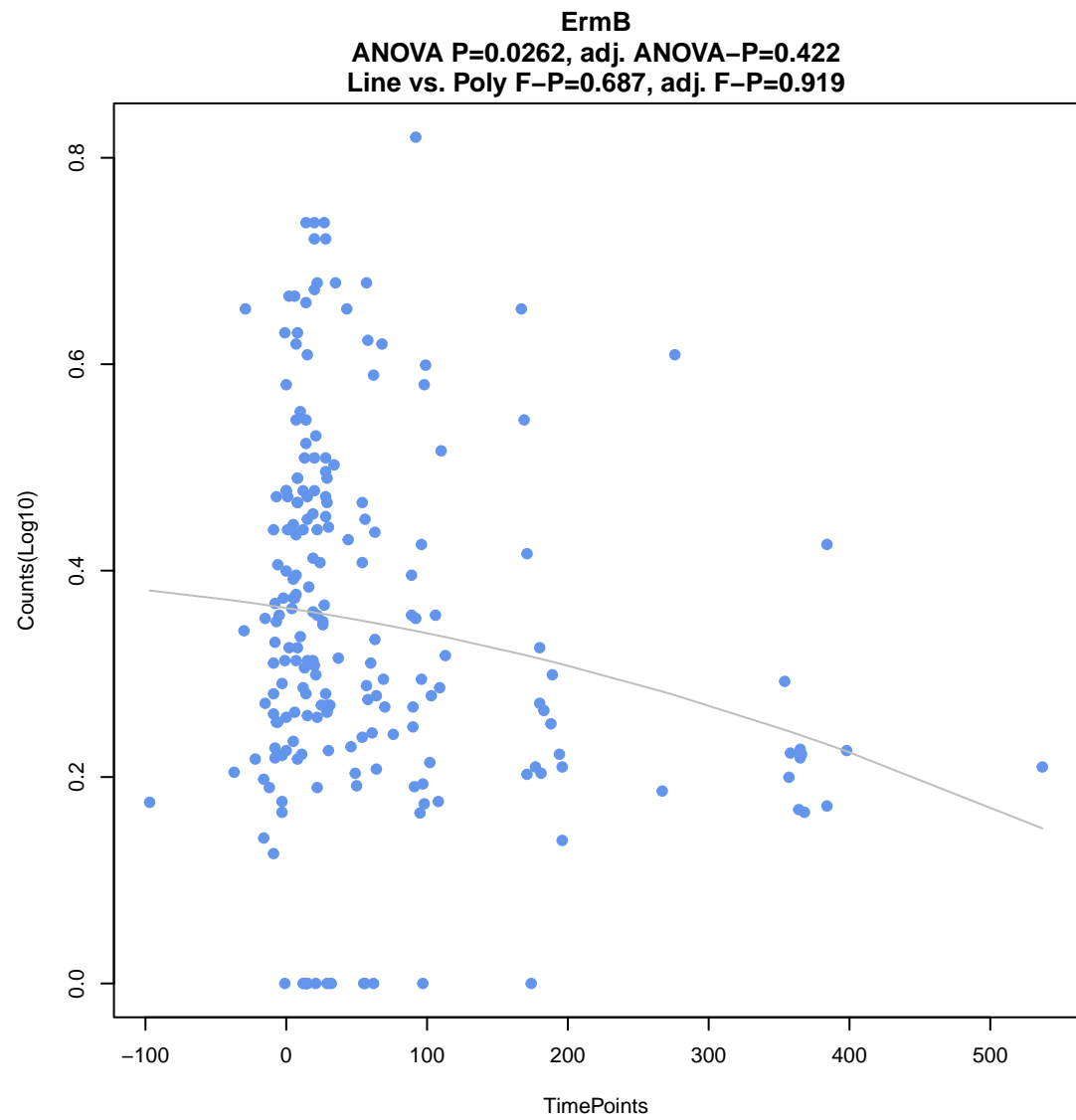
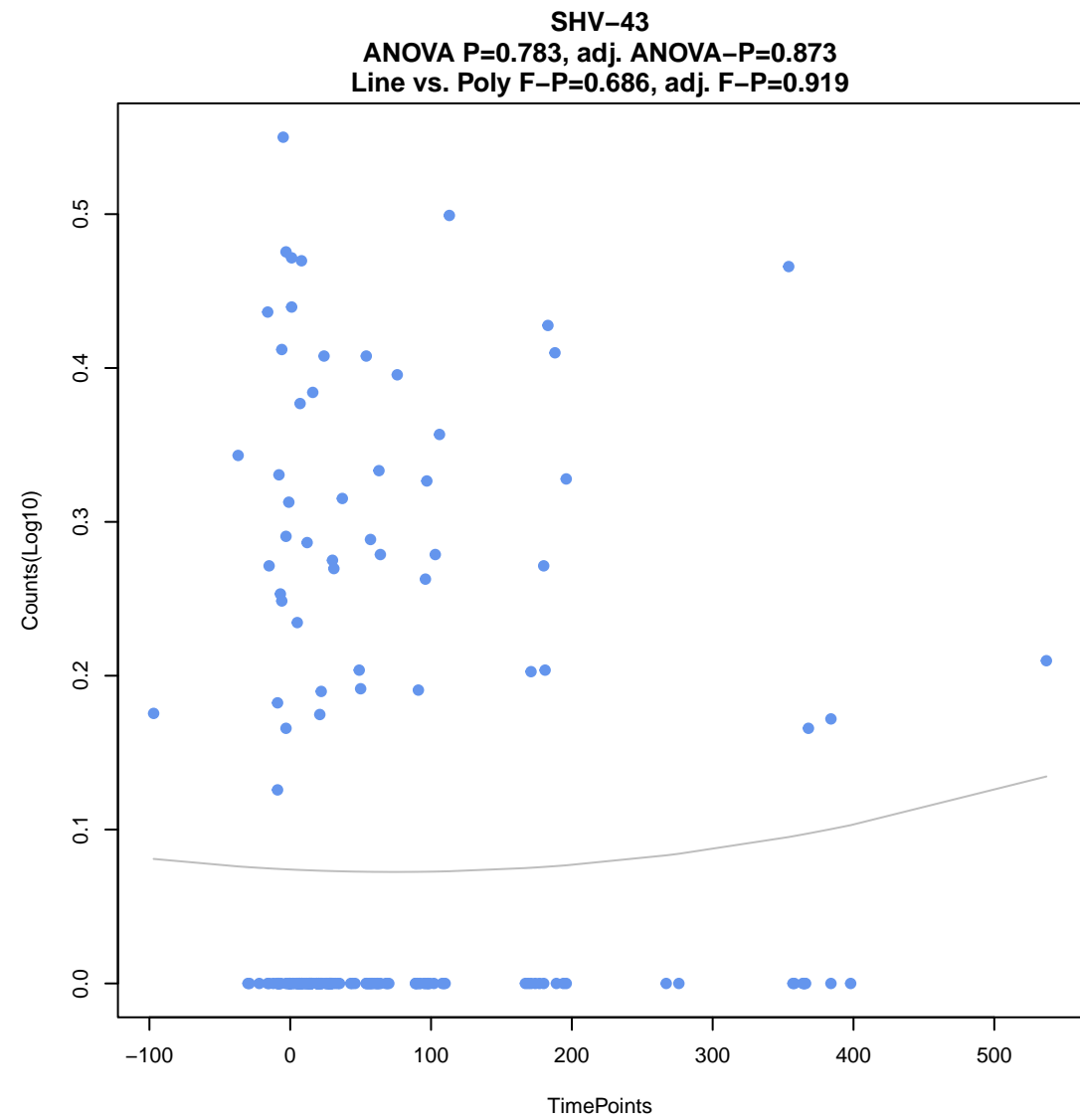
ANOVA P=0.0157, adj. ANOVA-P=0.422
Line vs. Poly F-P=0.662, adj. F-P=0.914

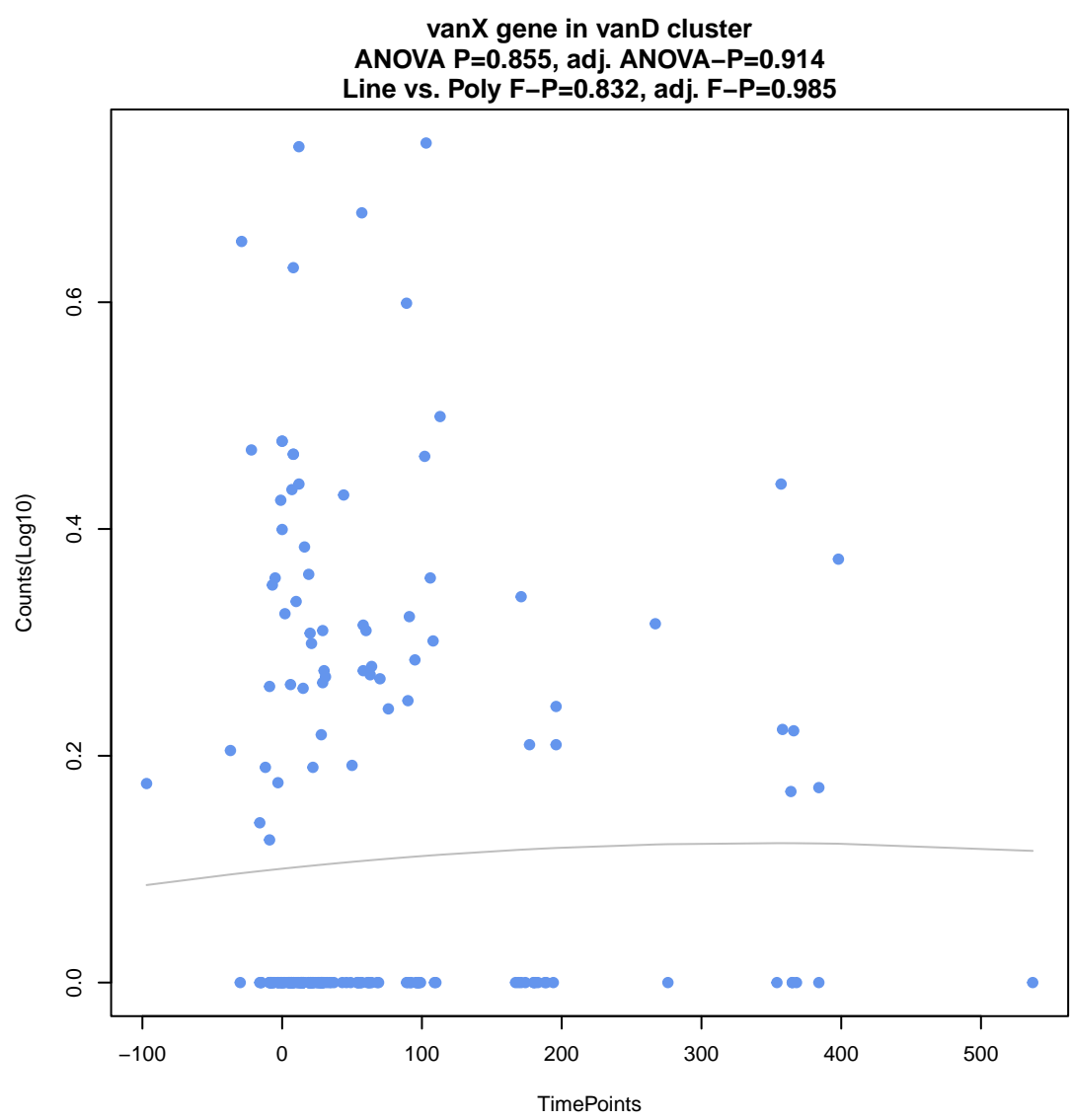
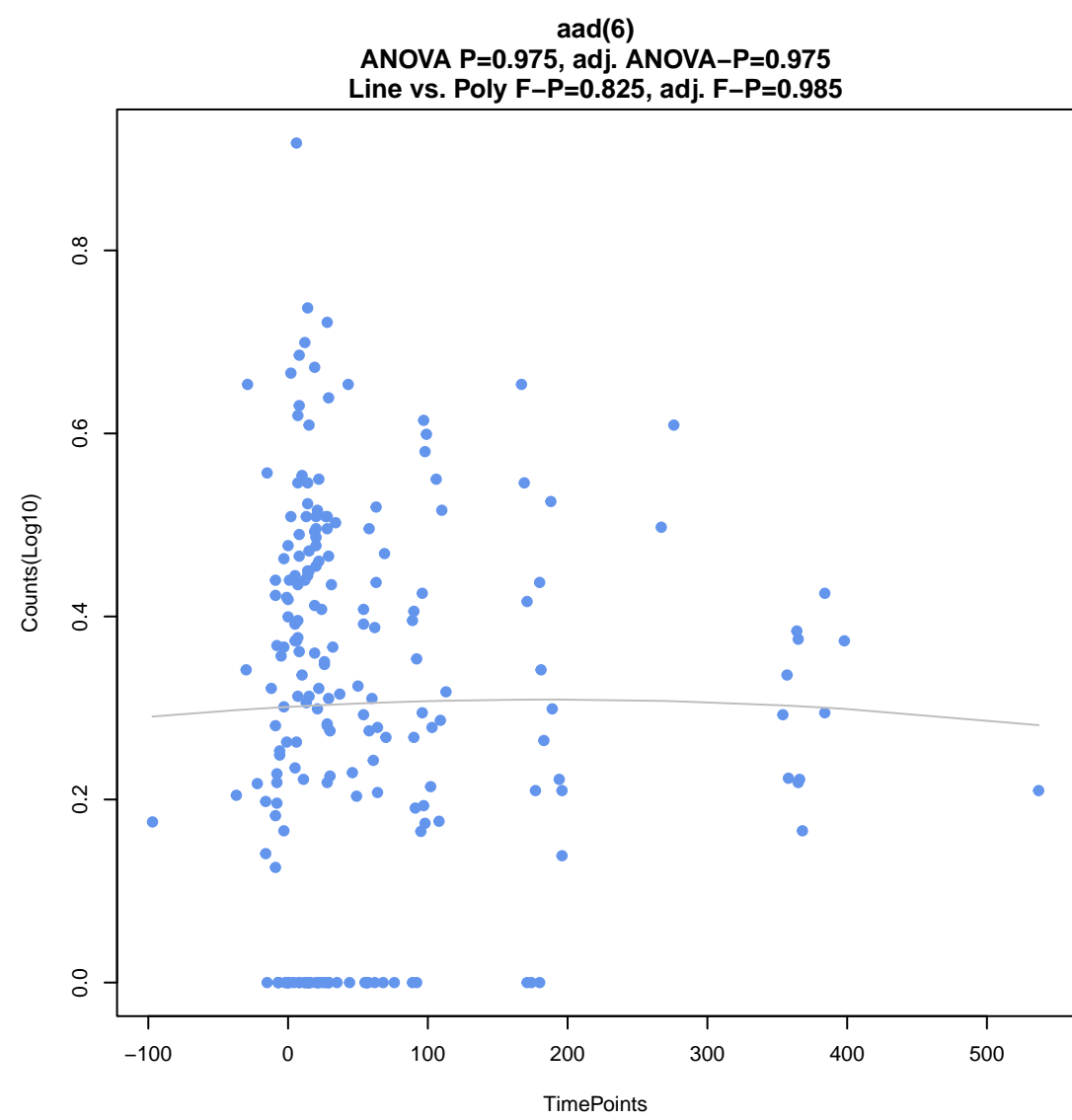
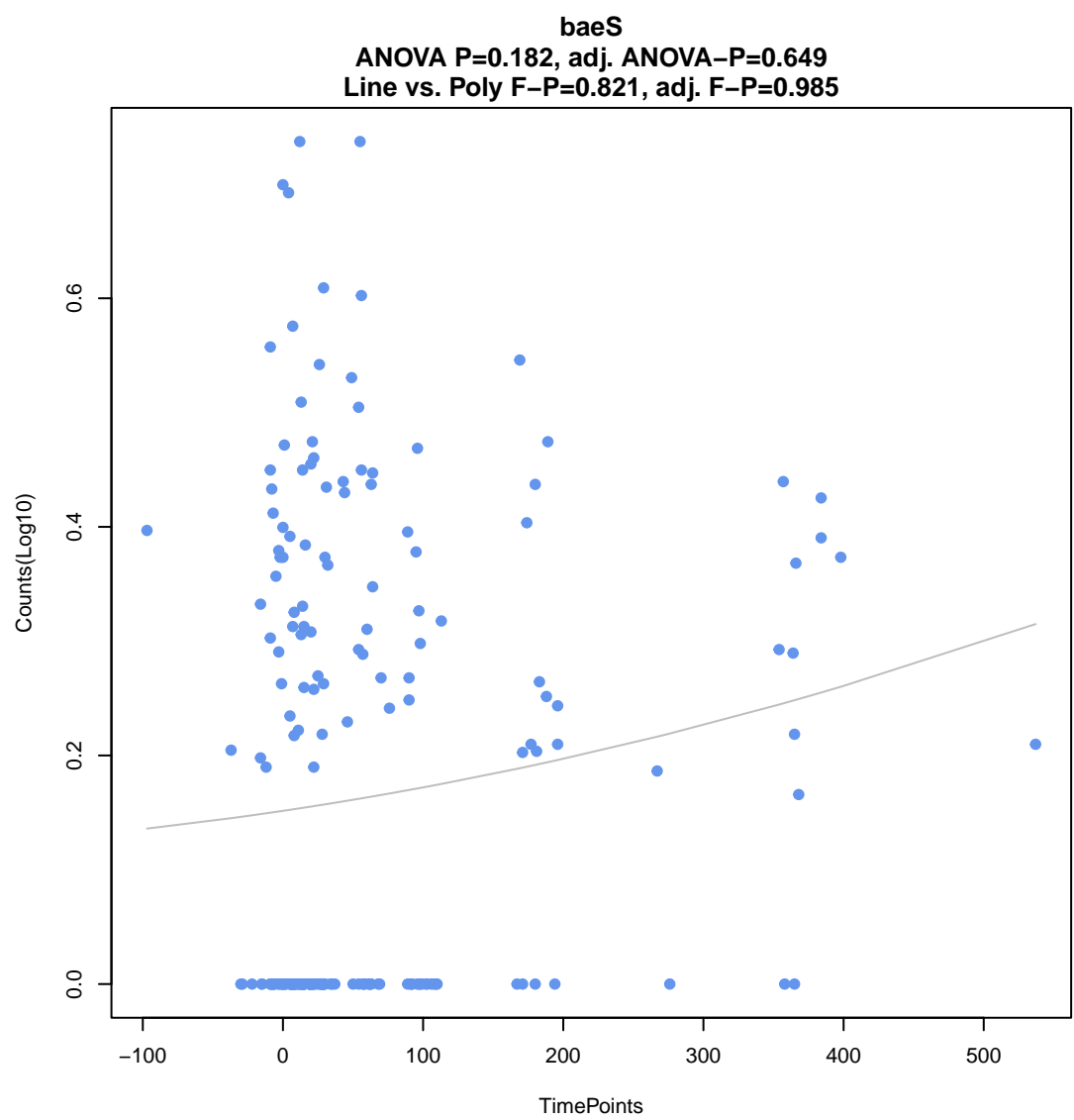
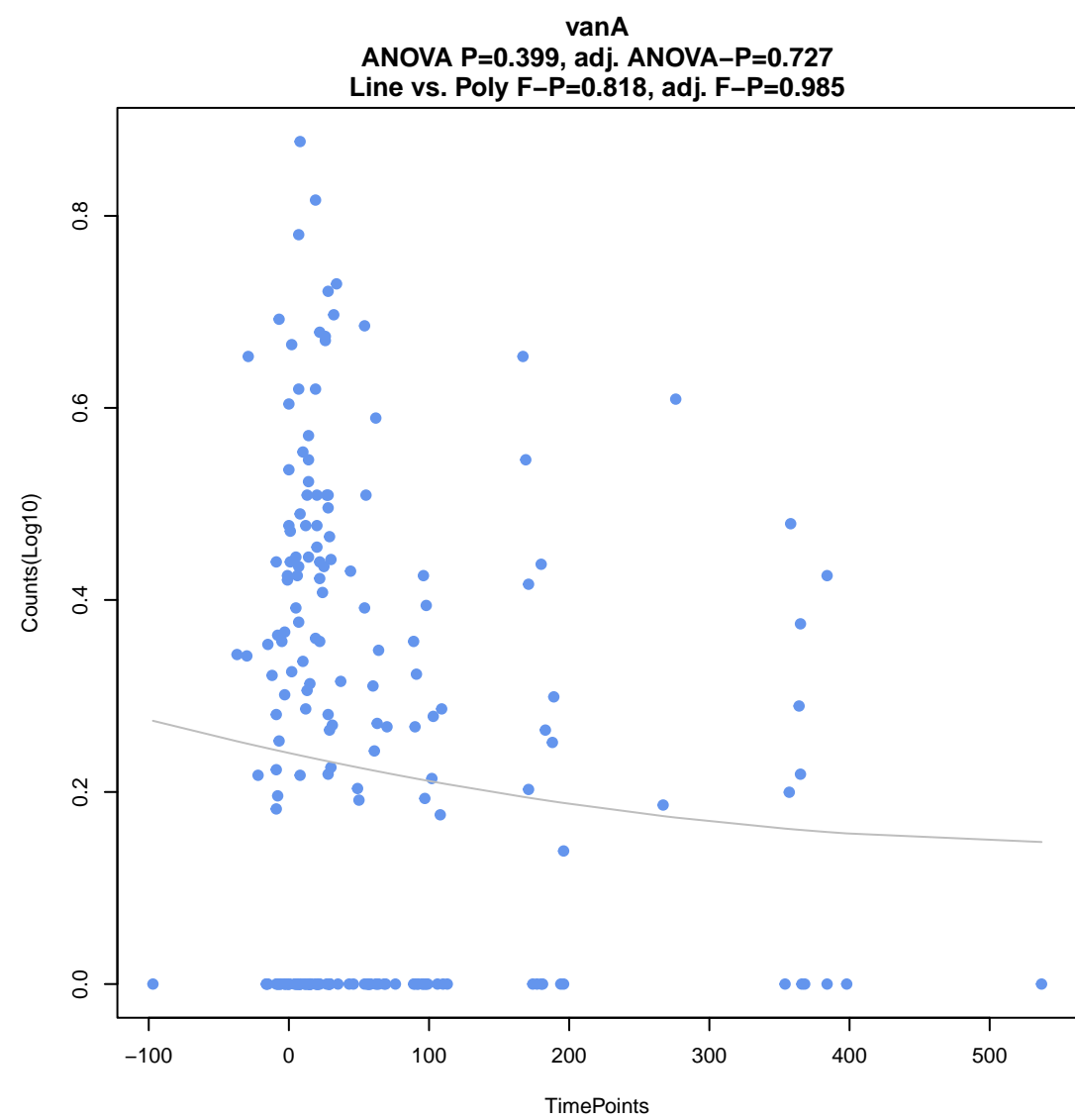
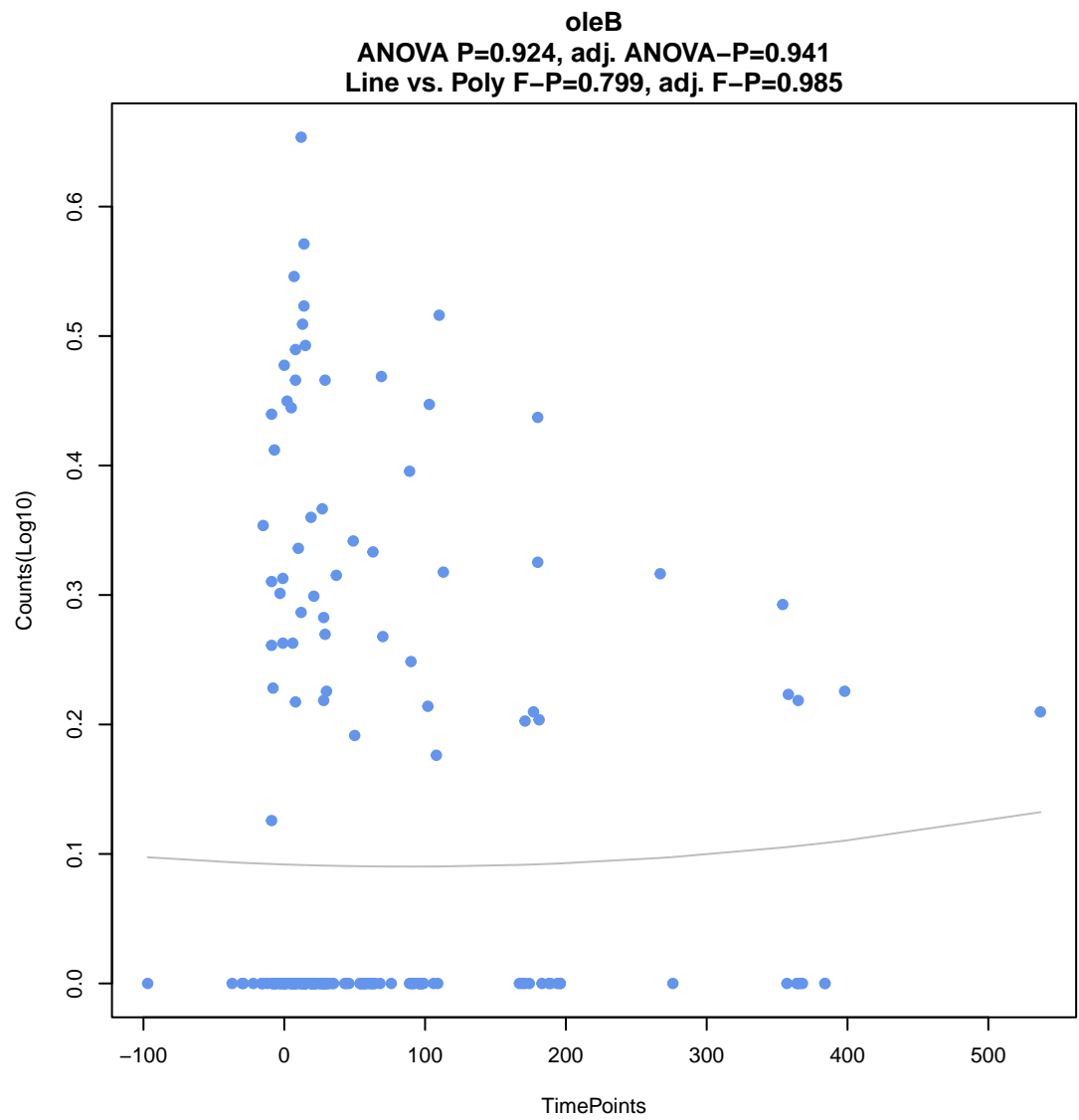
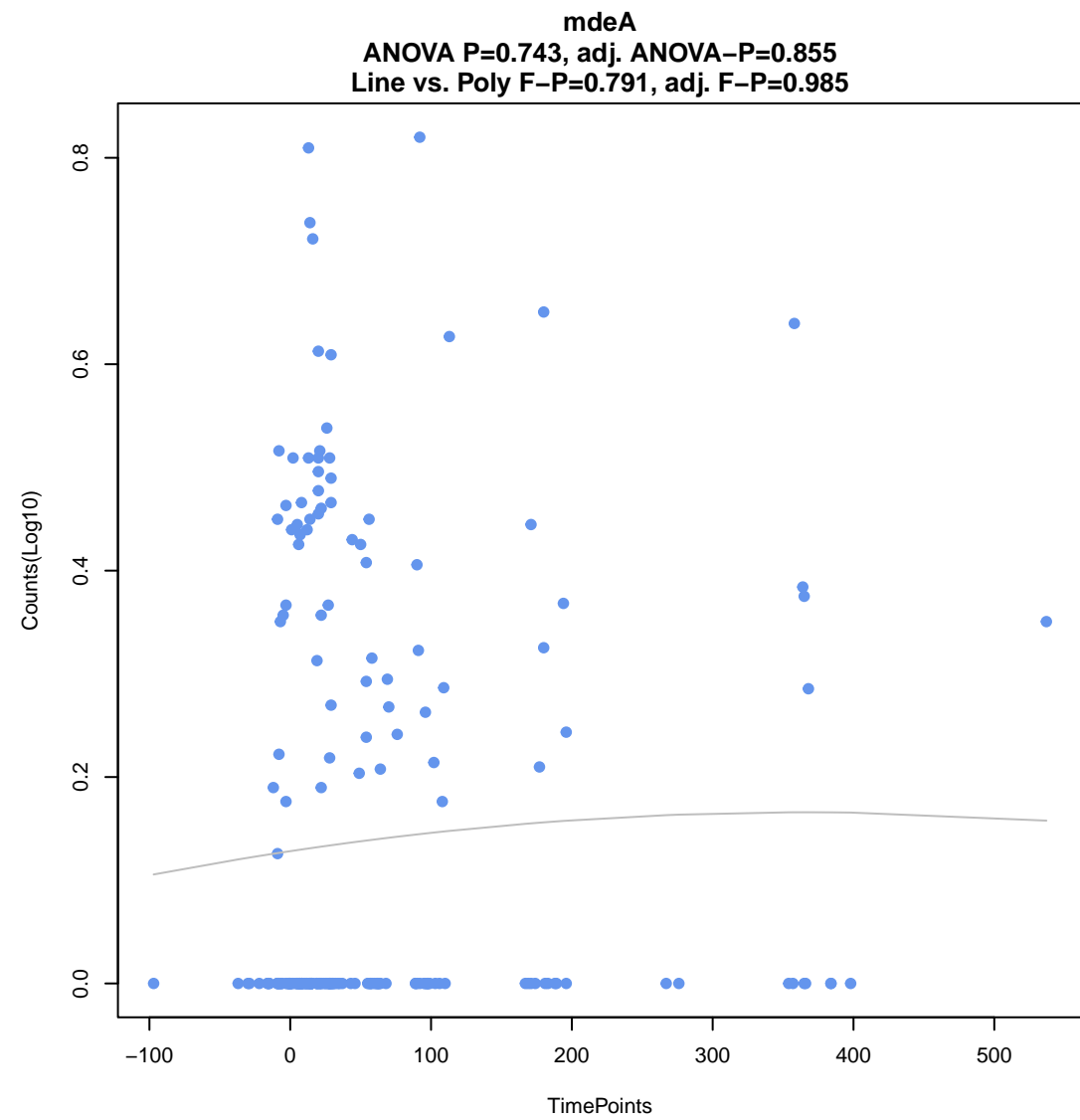


Escherichia coli mdhA

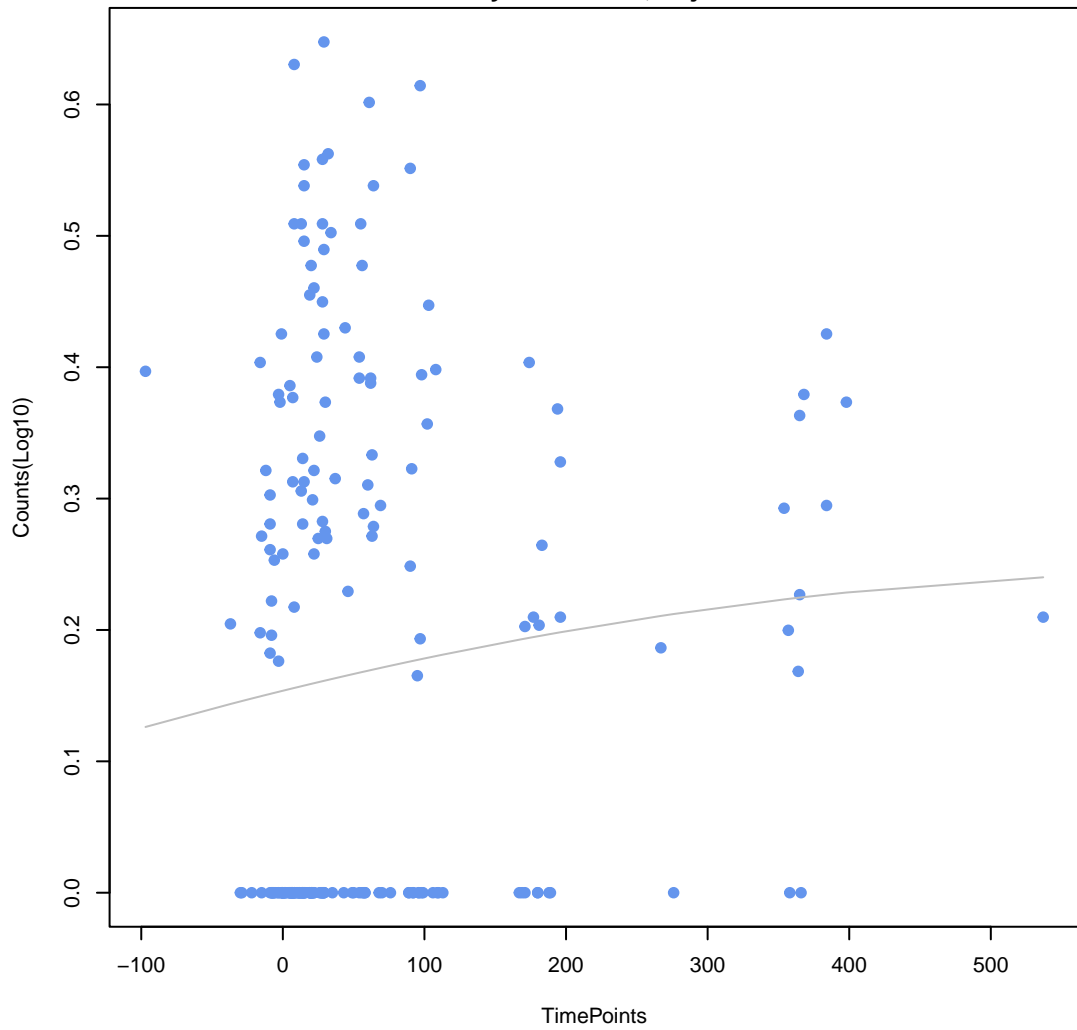
ANOVA P=0.52, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.667, adj. F-P=0.914



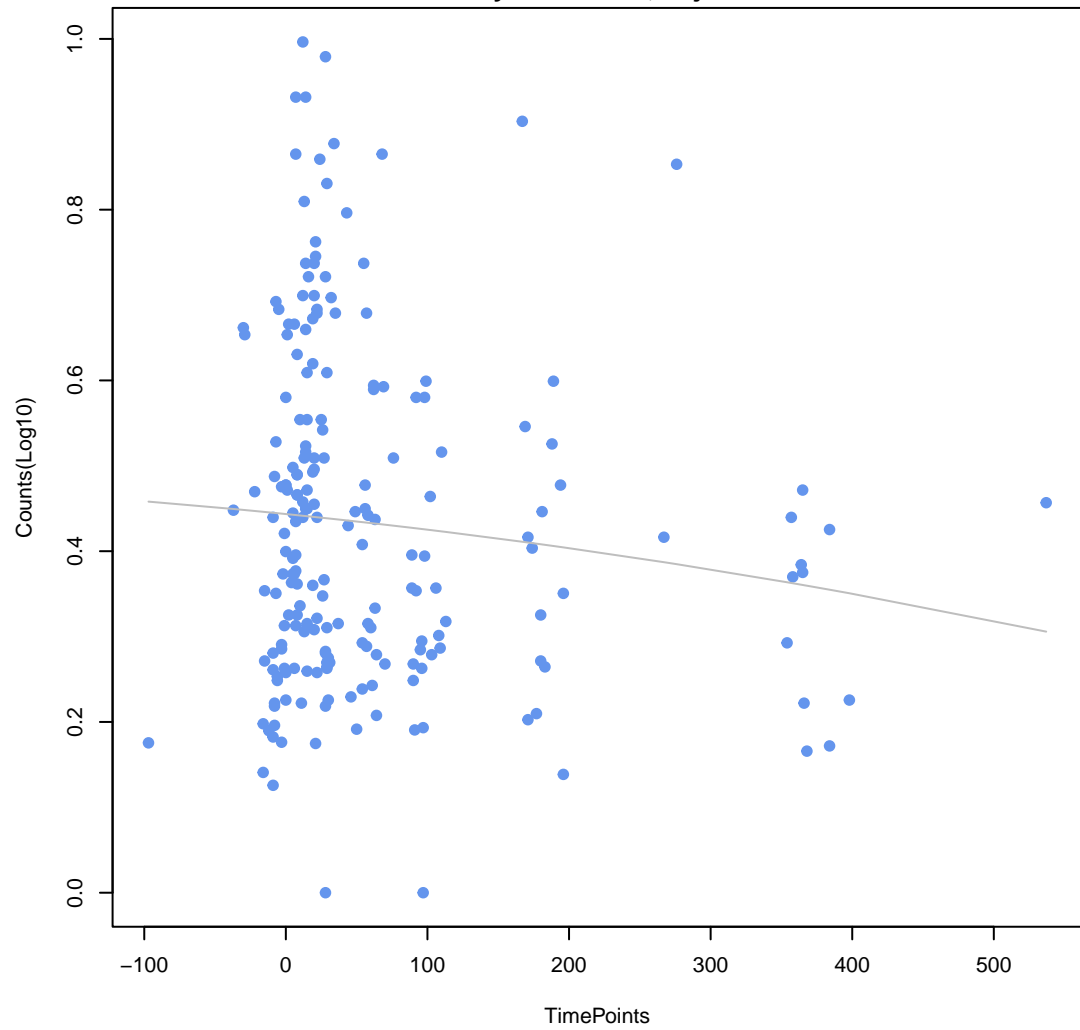




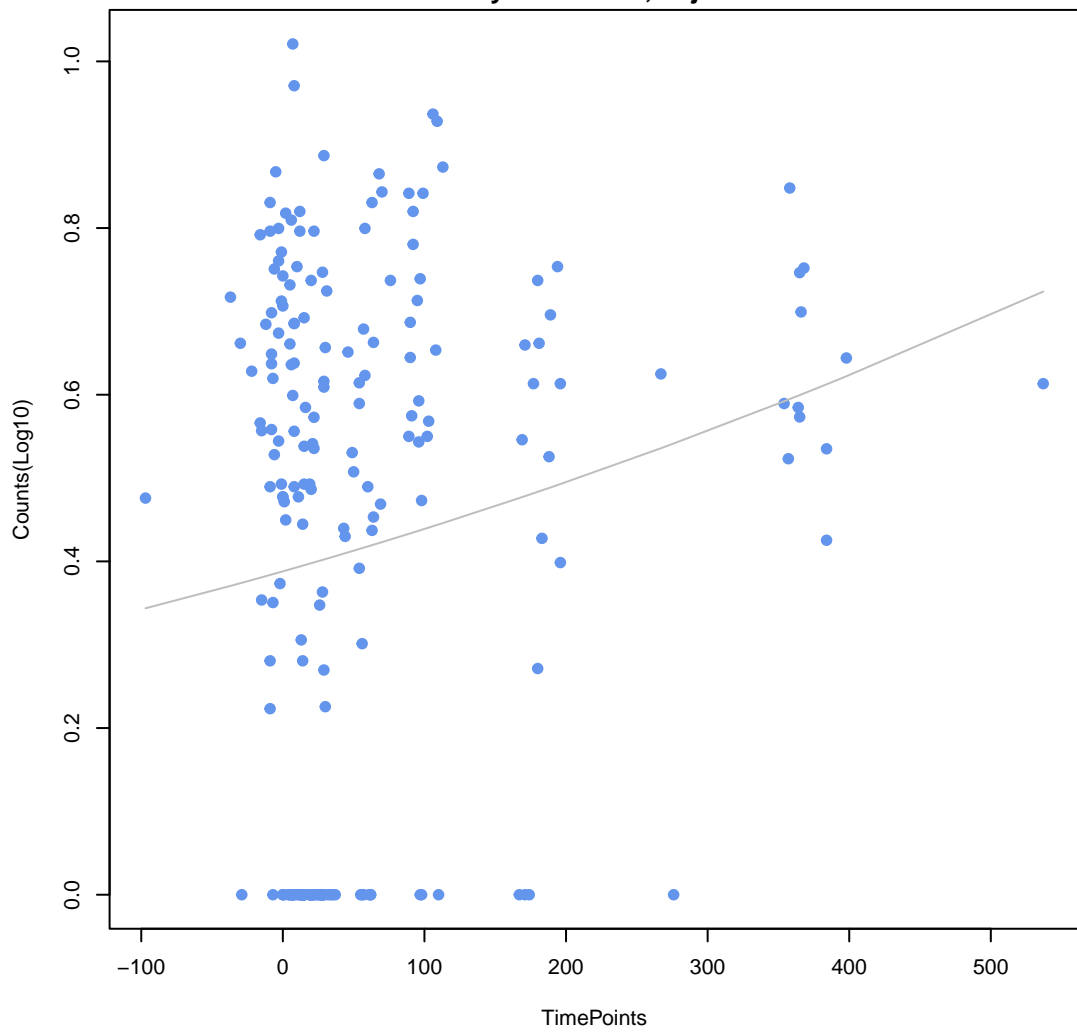
PmrF
ANOVA P=0.35, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.842, adj. F-P=0.985



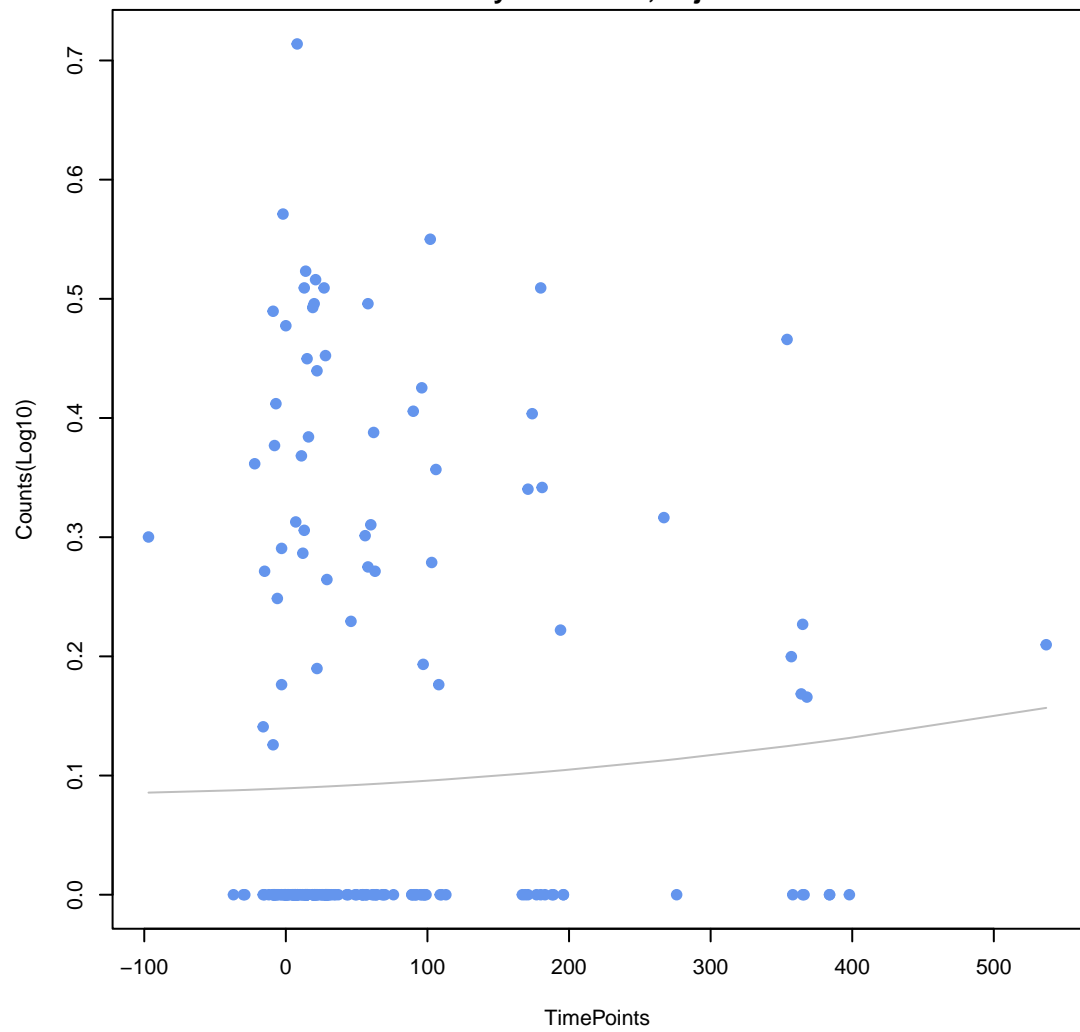
tet(O)
ANOVA P=0.266, adj. ANOVA-P=0.719
Line vs. Poly F-P=0.864, adj. F-P=0.985



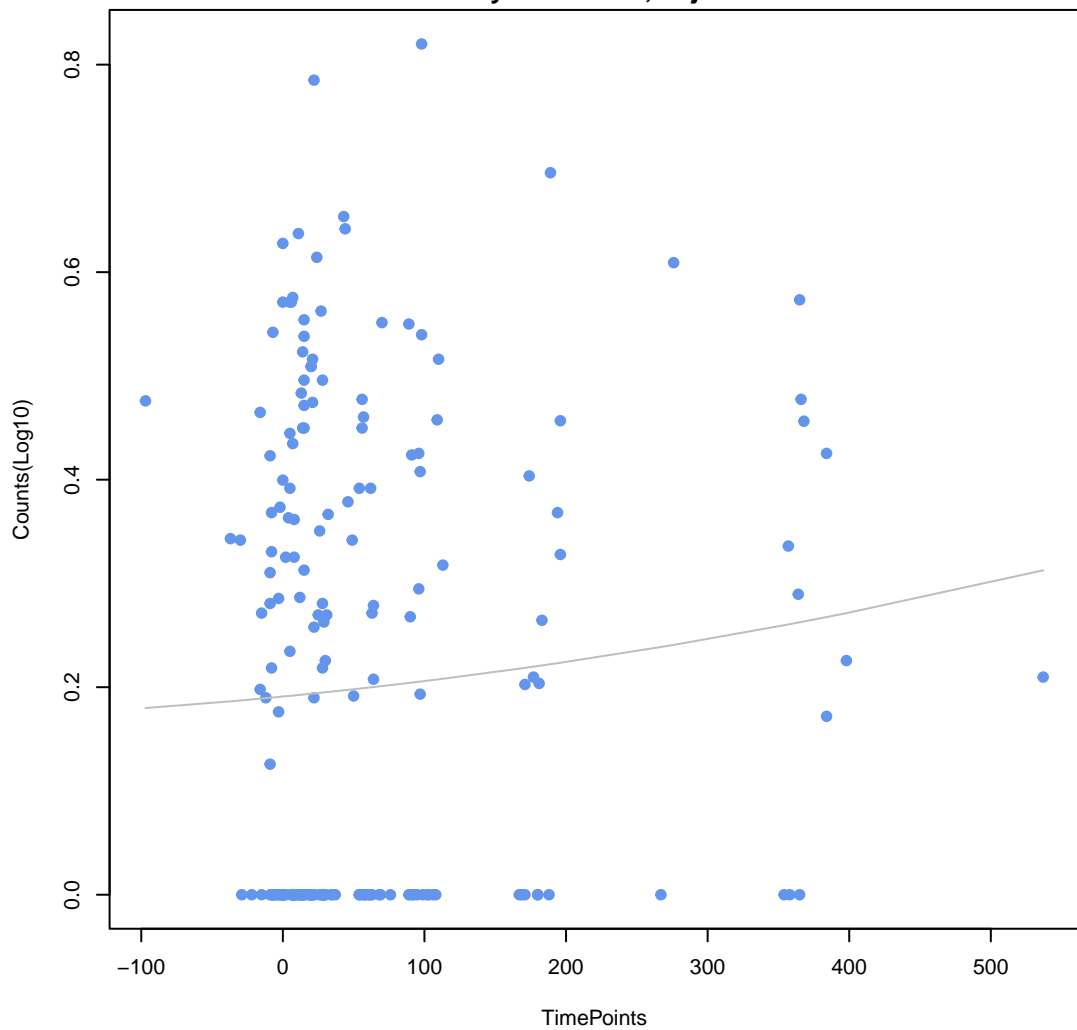
tet(T)
ANOVA P=0.0355, adj. ANOVA-P=0.422
Line vs. Poly F-P=0.865, adj. F-P=0.985



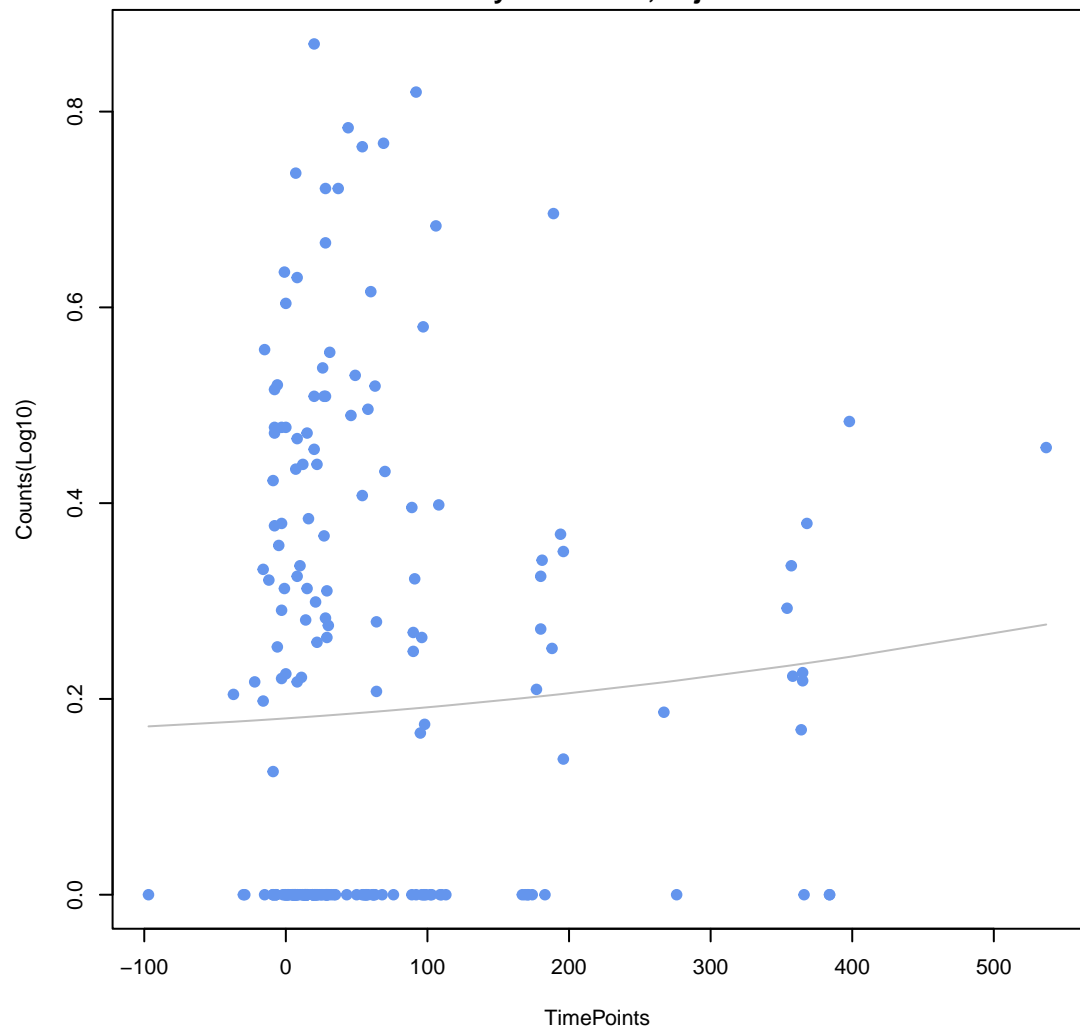
tet(W/N/W)
ANOVA P=0.703, adj. ANOVA-P=0.854
Line vs. Poly F-P=0.869, adj. F-P=0.985



mdtO
ANOVA P=0.471, adj. ANOVA-P=0.751
Line vs. Poly F-P=0.875, adj. F-P=0.985

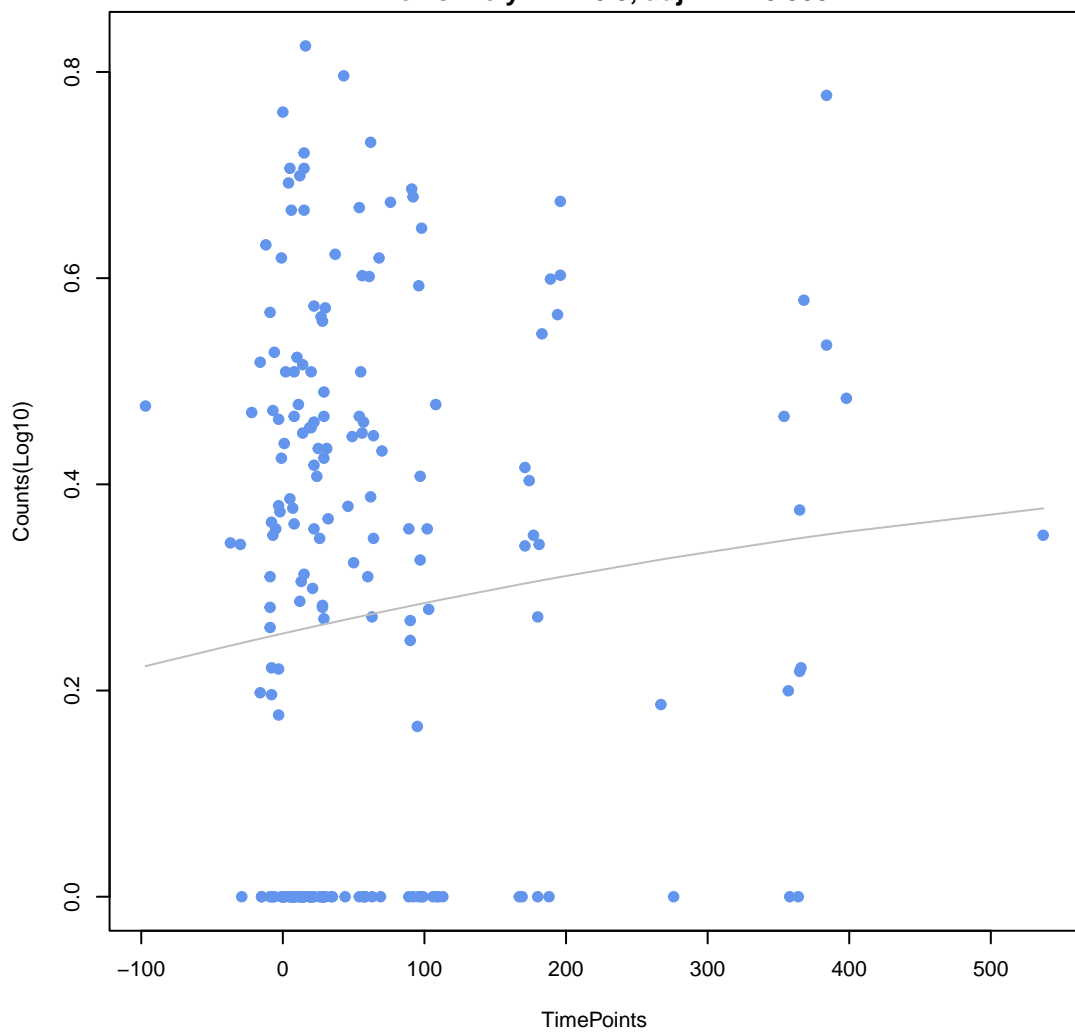


tet(44)
ANOVA P=0.659, adj. ANOVA-P=0.837
Line vs. Poly F-P=0.899, adj. F-P=0.993



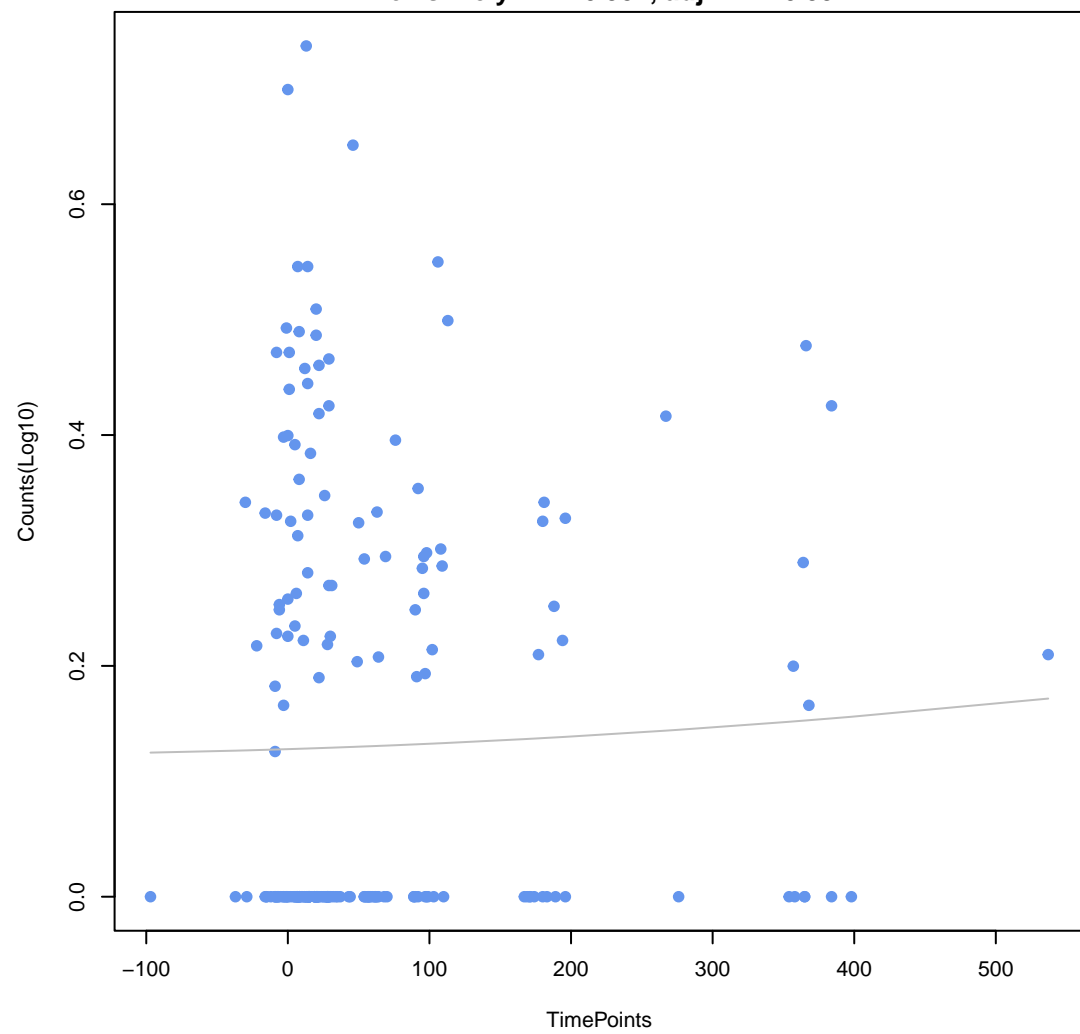
acrB

ANOVA P=0.351, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.9, adj. F-P=0.993



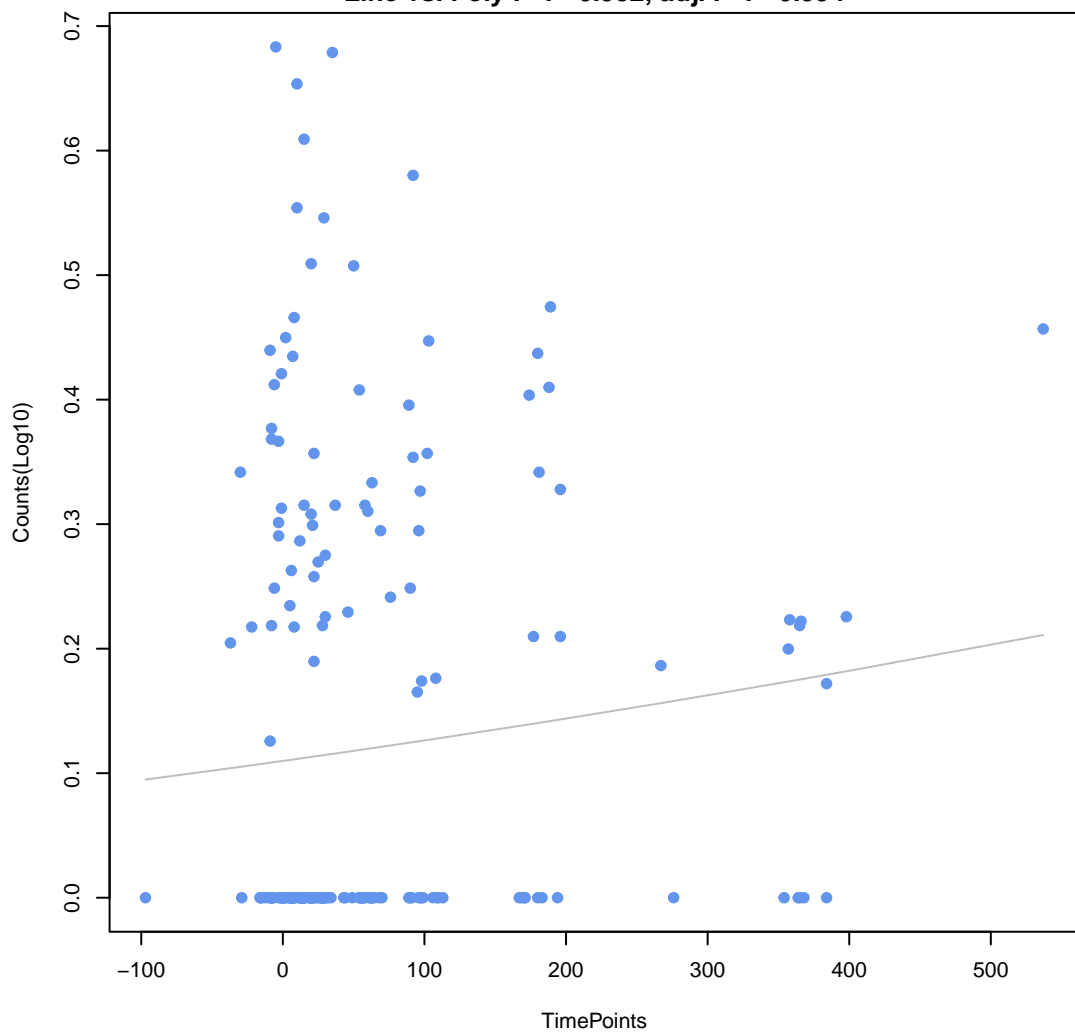
MuxC

ANOVA P=0.874, adj. ANOVA-P=0.917
Line vs. Poly F-P=0.931, adj. F-P=0.994



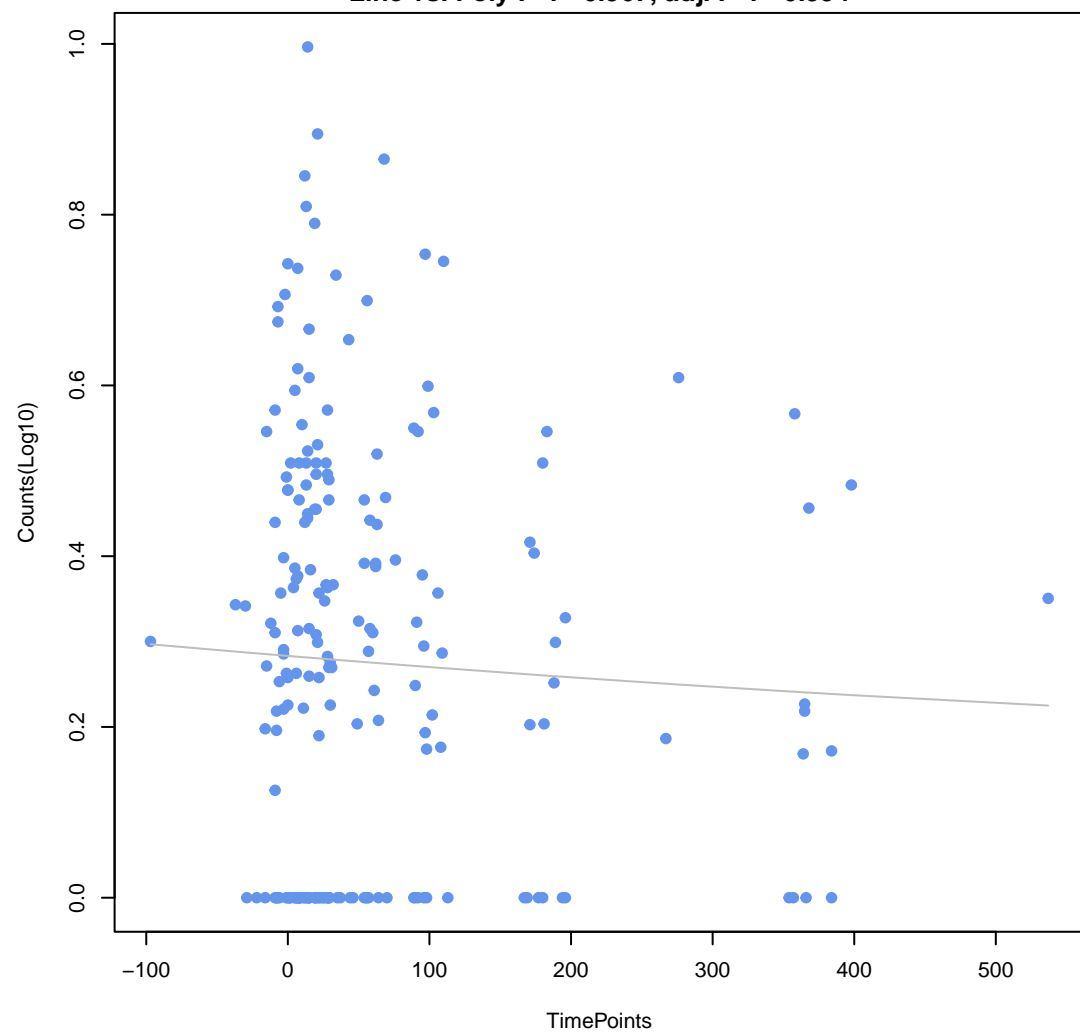
myrA

ANOVA P=0.369, adj. ANOVA-P=0.727
Line vs. Poly F-P=0.952, adj. F-P=0.994



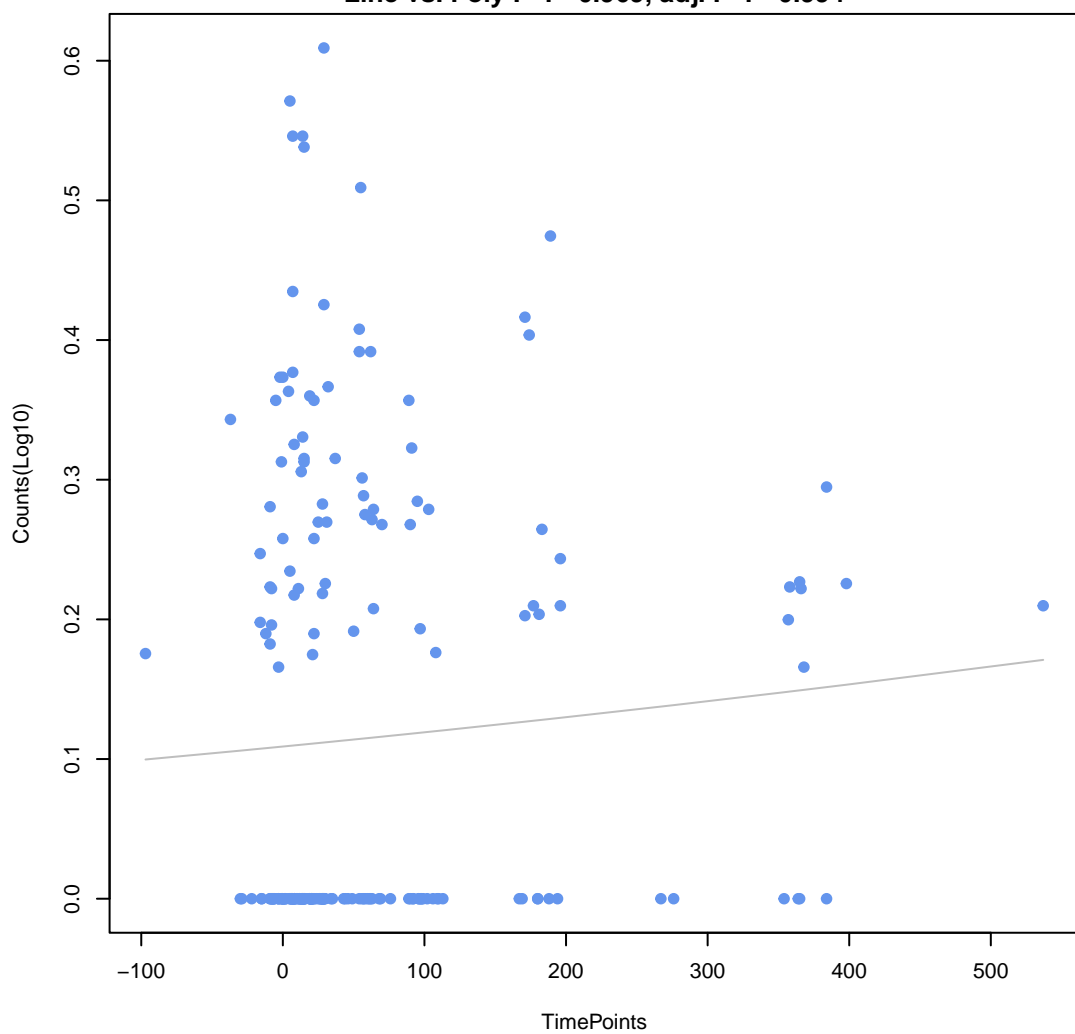
efrB

ANOVA P=0.794, adj. ANOVA-P=0.876
Line vs. Poly F-P=0.967, adj. F-P=0.994



Escherichia coli soxR with mutation conferring antibiotic resistance

ANOVA P=0.622, adj. ANOVA-P=0.811
Line vs. Poly F-P=0.969, adj. F-P=0.994



AcrE

ANOVA P=0.886, adj. ANOVA-P=0.92
Line vs. Poly F-P=0.971, adj. F-P=0.994

