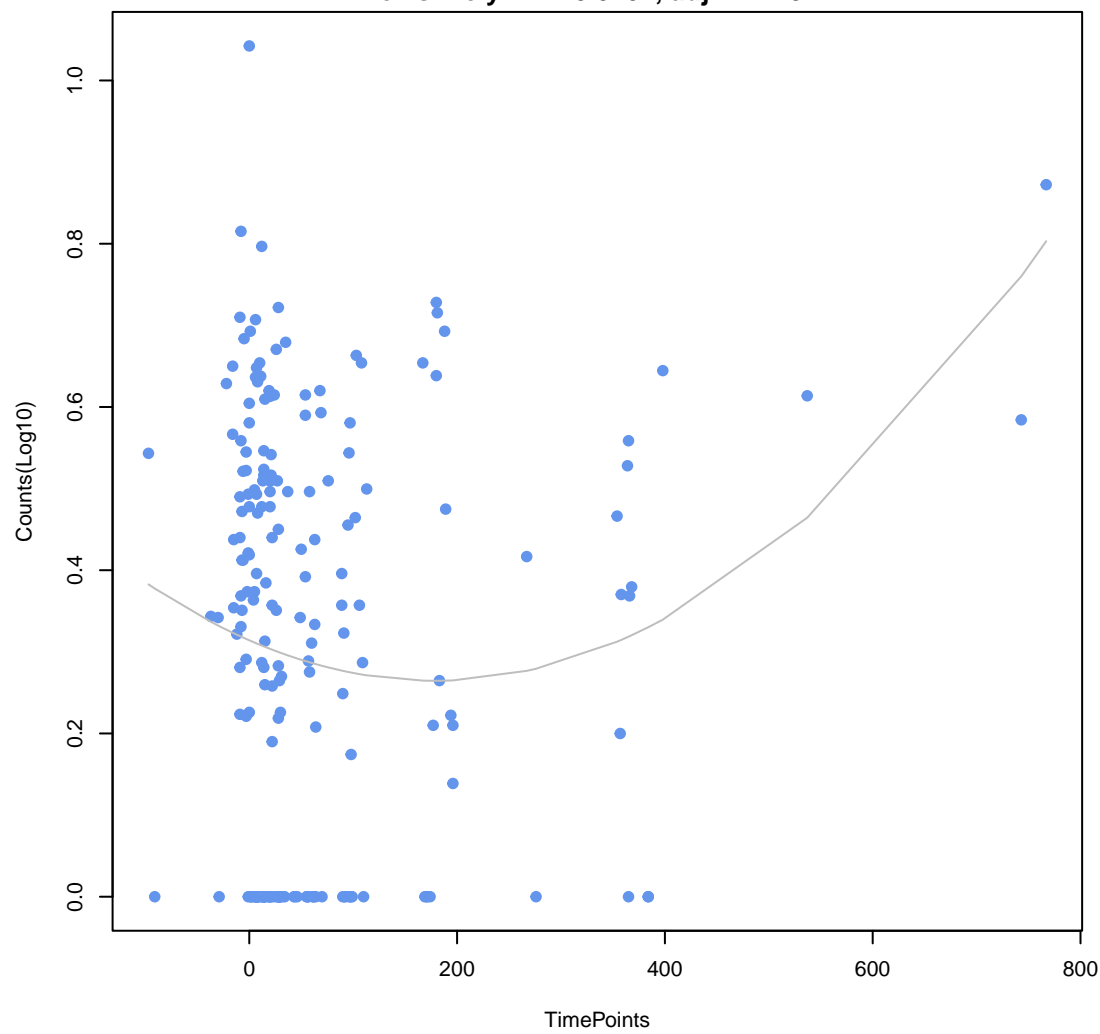


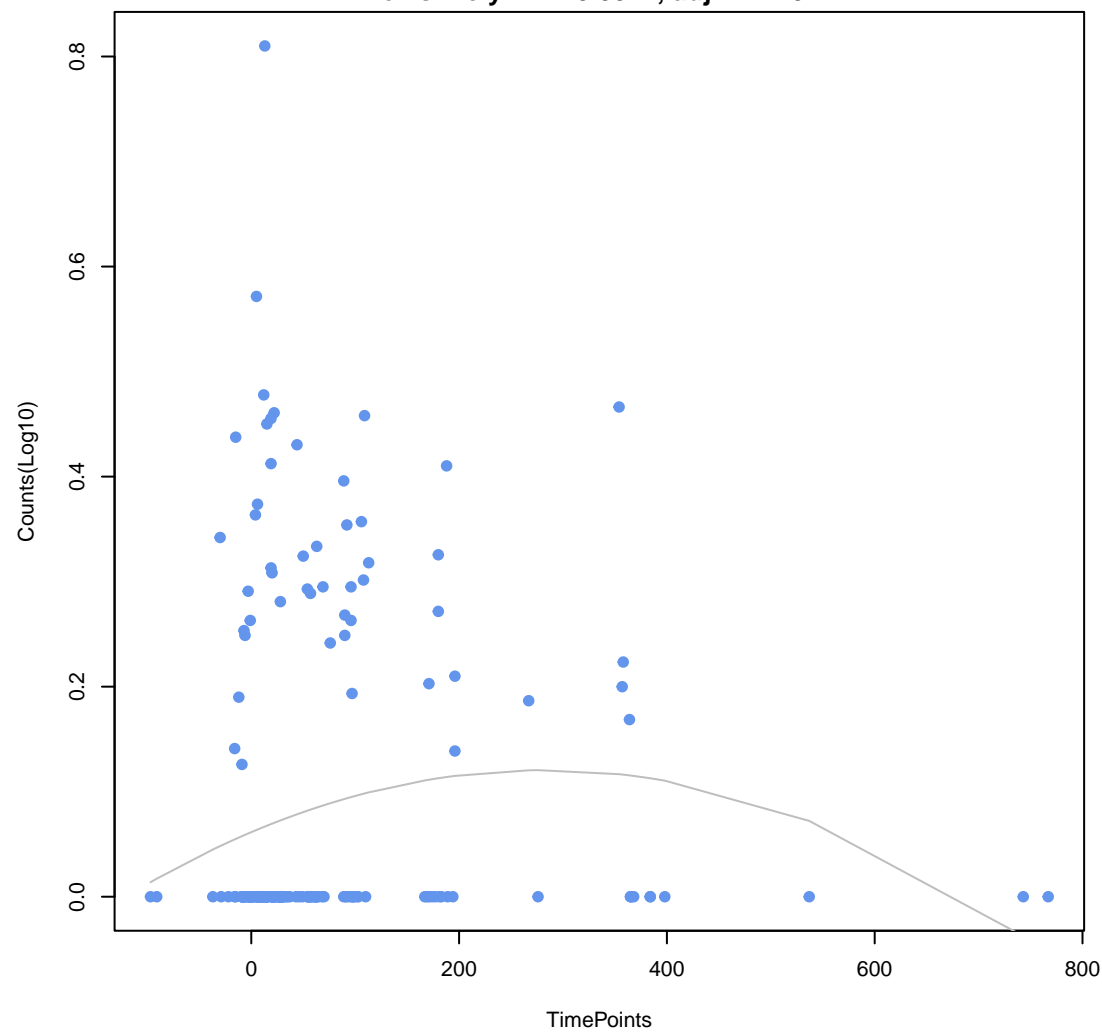
**BlaB-16**

ANOVA P=0.0148, adj. ANOVA-P=0.315  
Line vs. Poly F-P=0.0104, adj. F-P=0.741



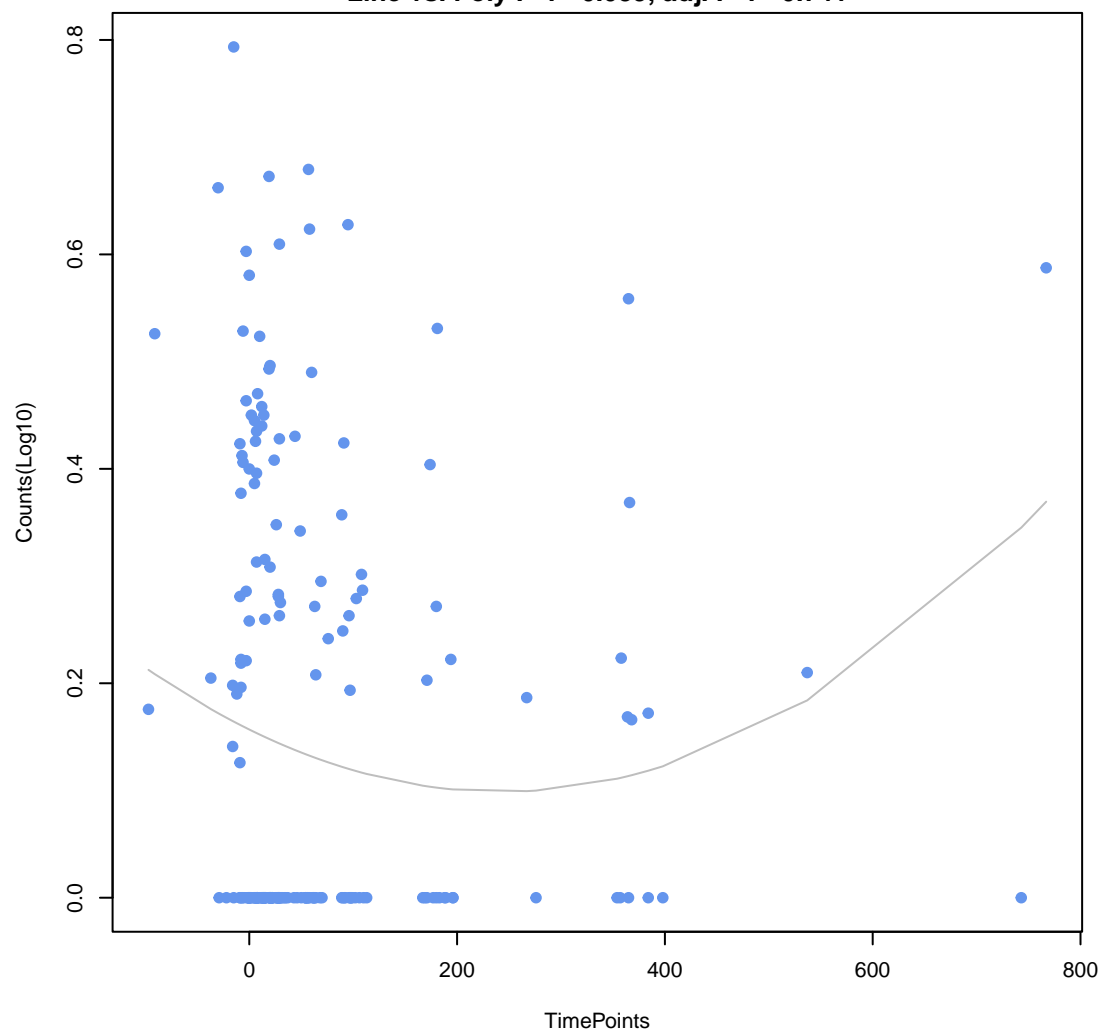
**vanR gene in vanE cluster**

ANOVA P=0.0871, adj. ANOVA-P=0.518  
Line vs. Poly F-P=0.0341, adj. F-P=0.741



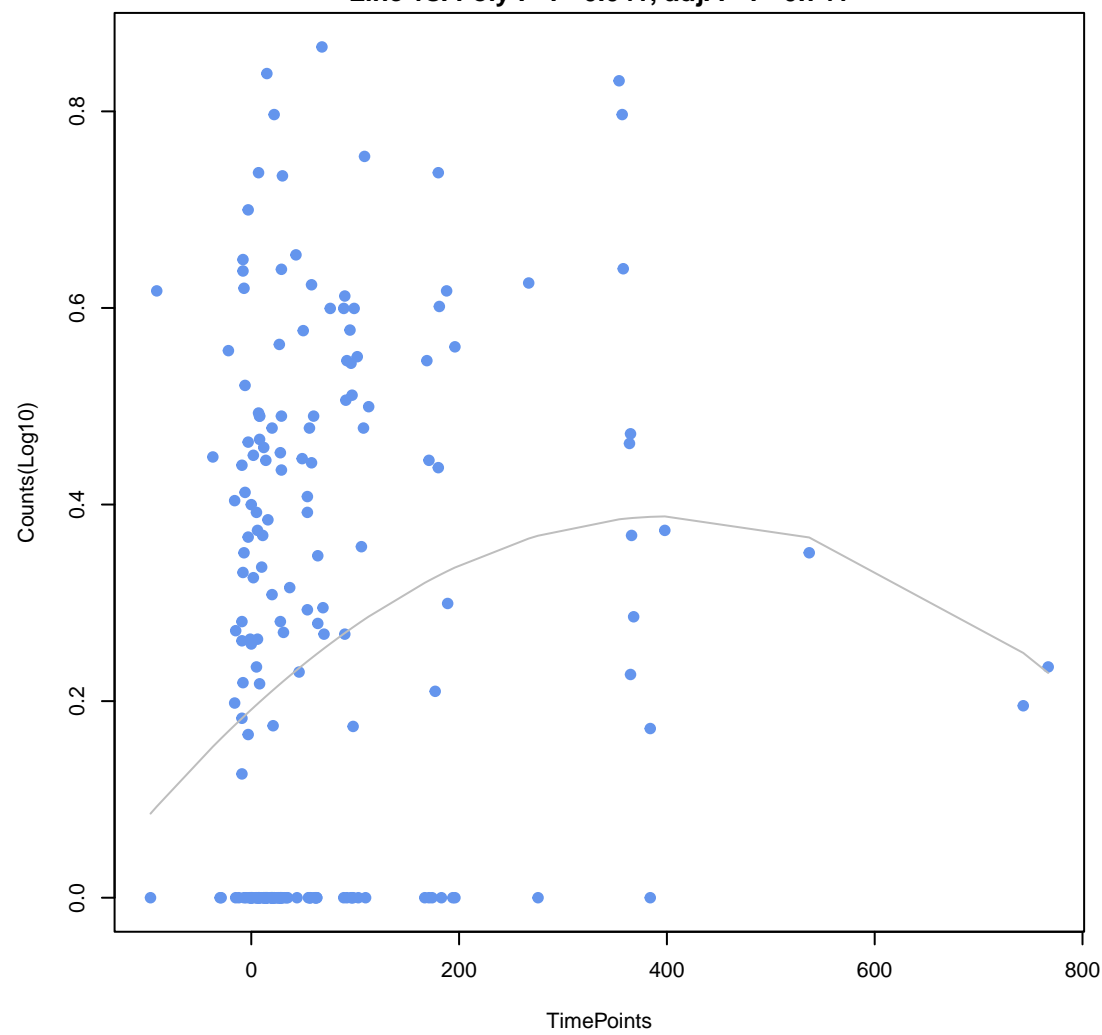
**PDC-402**

ANOVA P=0.119, adj. ANOVA-P=0.58  
Line vs. Poly F-P=0.039, adj. F-P=0.741



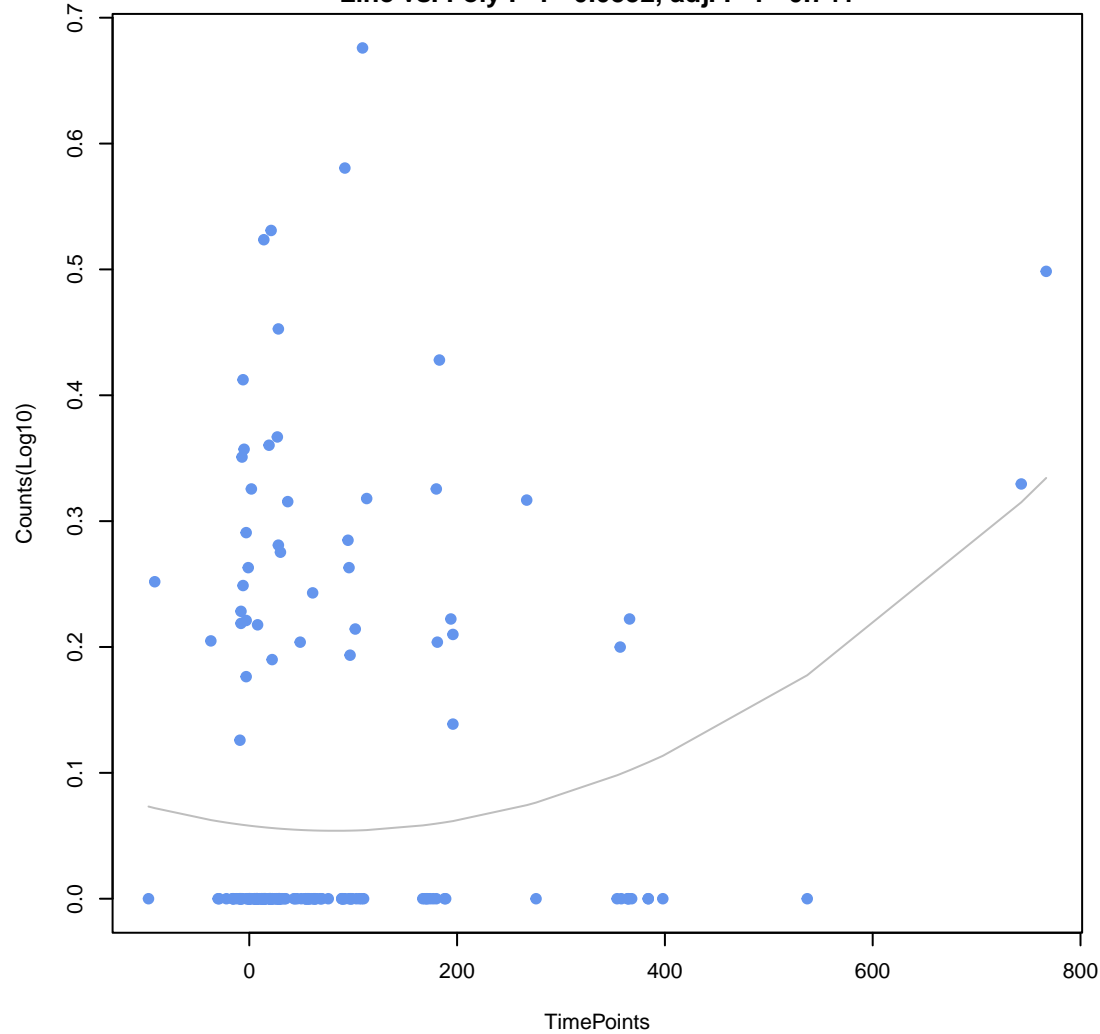
**nimJ**

ANOVA P=0.00411, adj. ANOVA-P=0.181  
Line vs. Poly F-P=0.041, adj. F-P=0.741



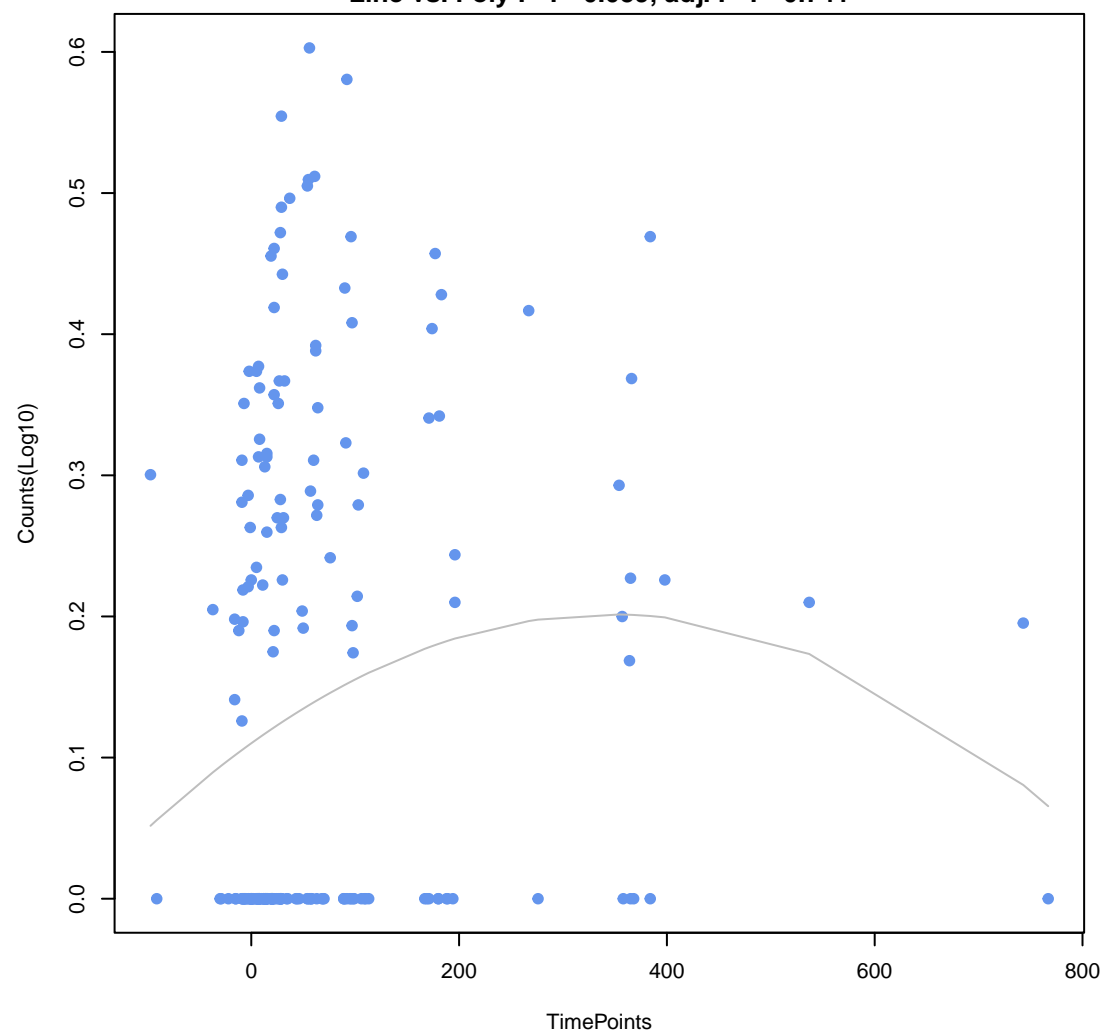
**adeA**

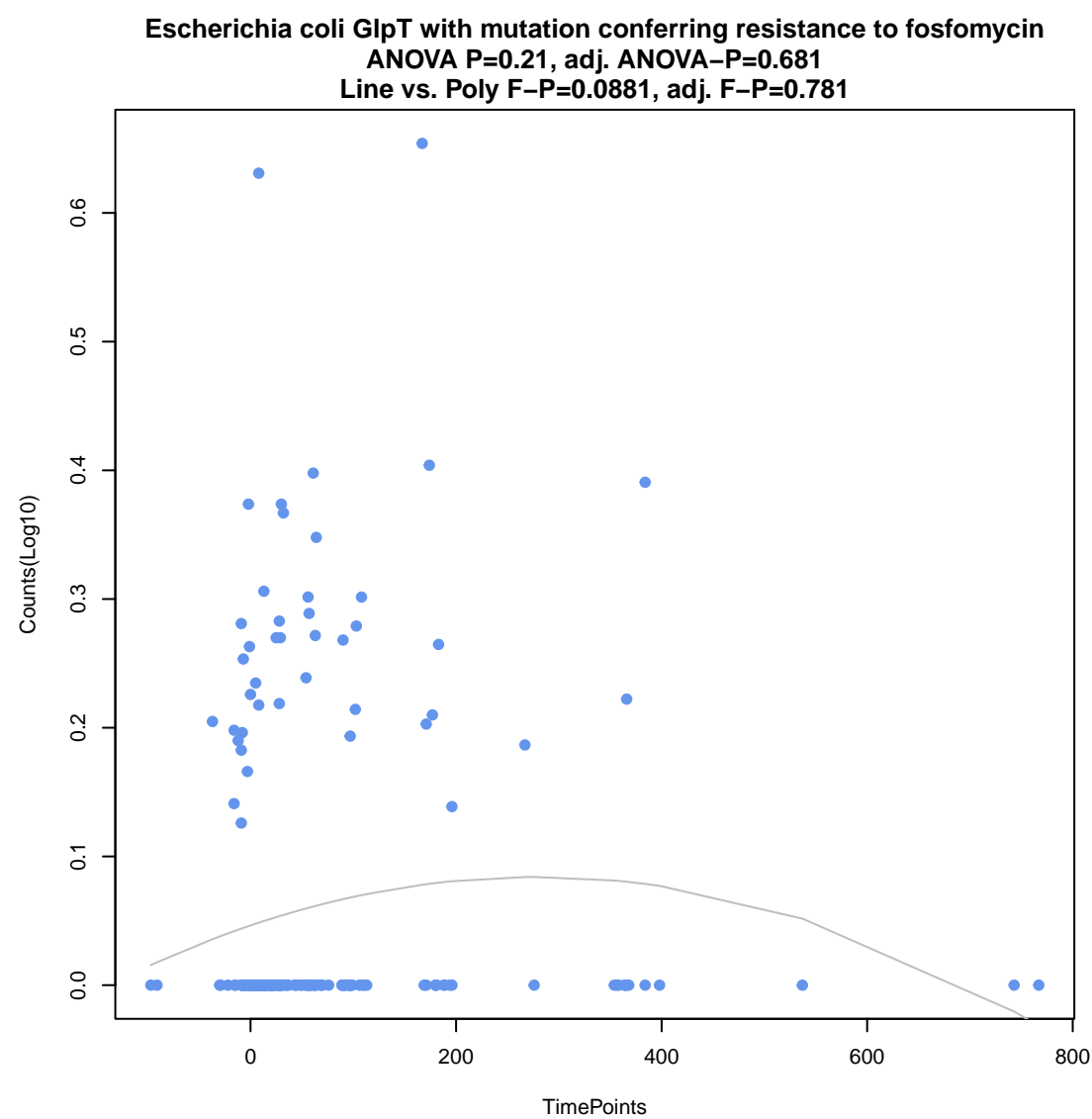
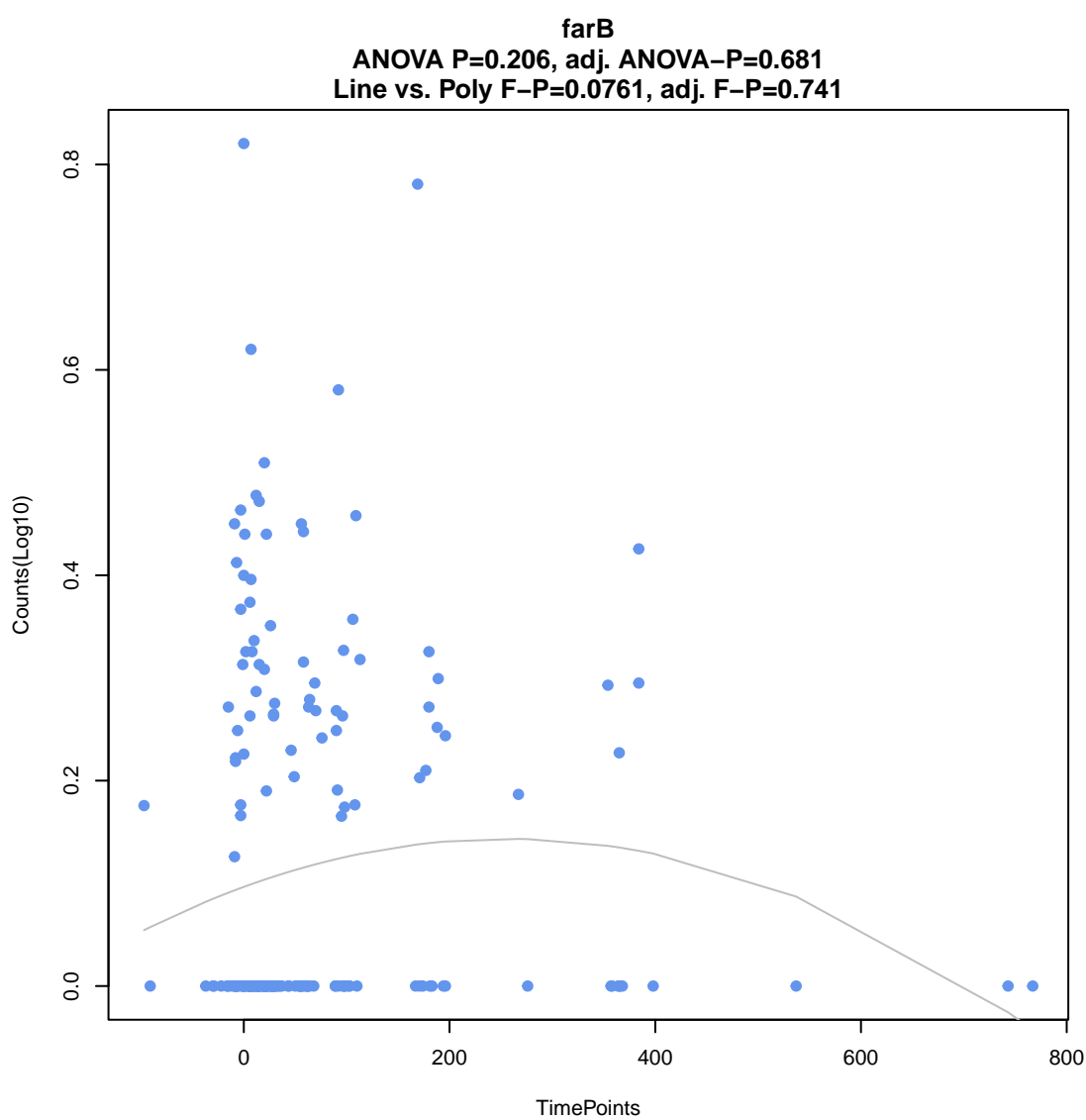
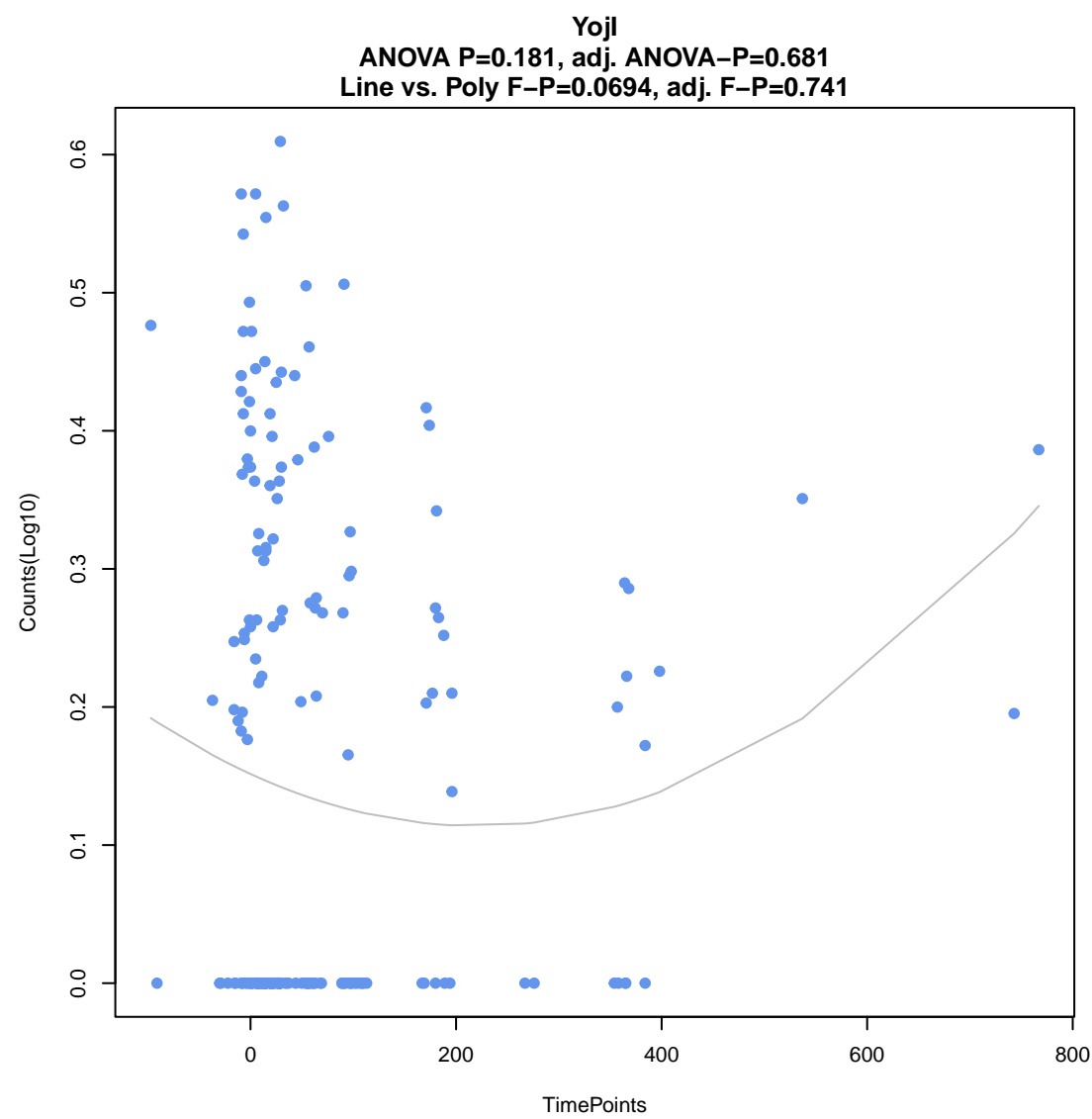
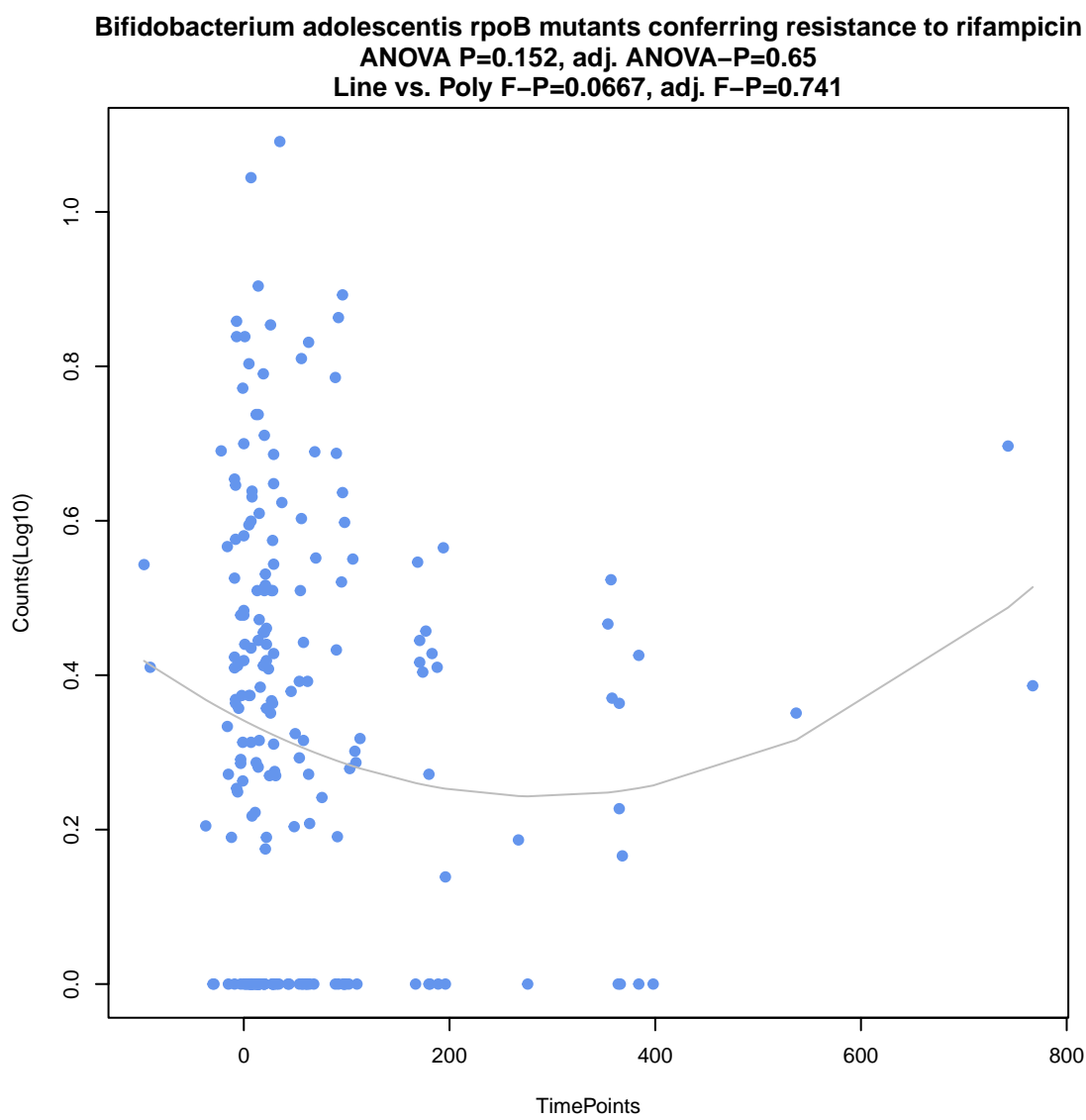
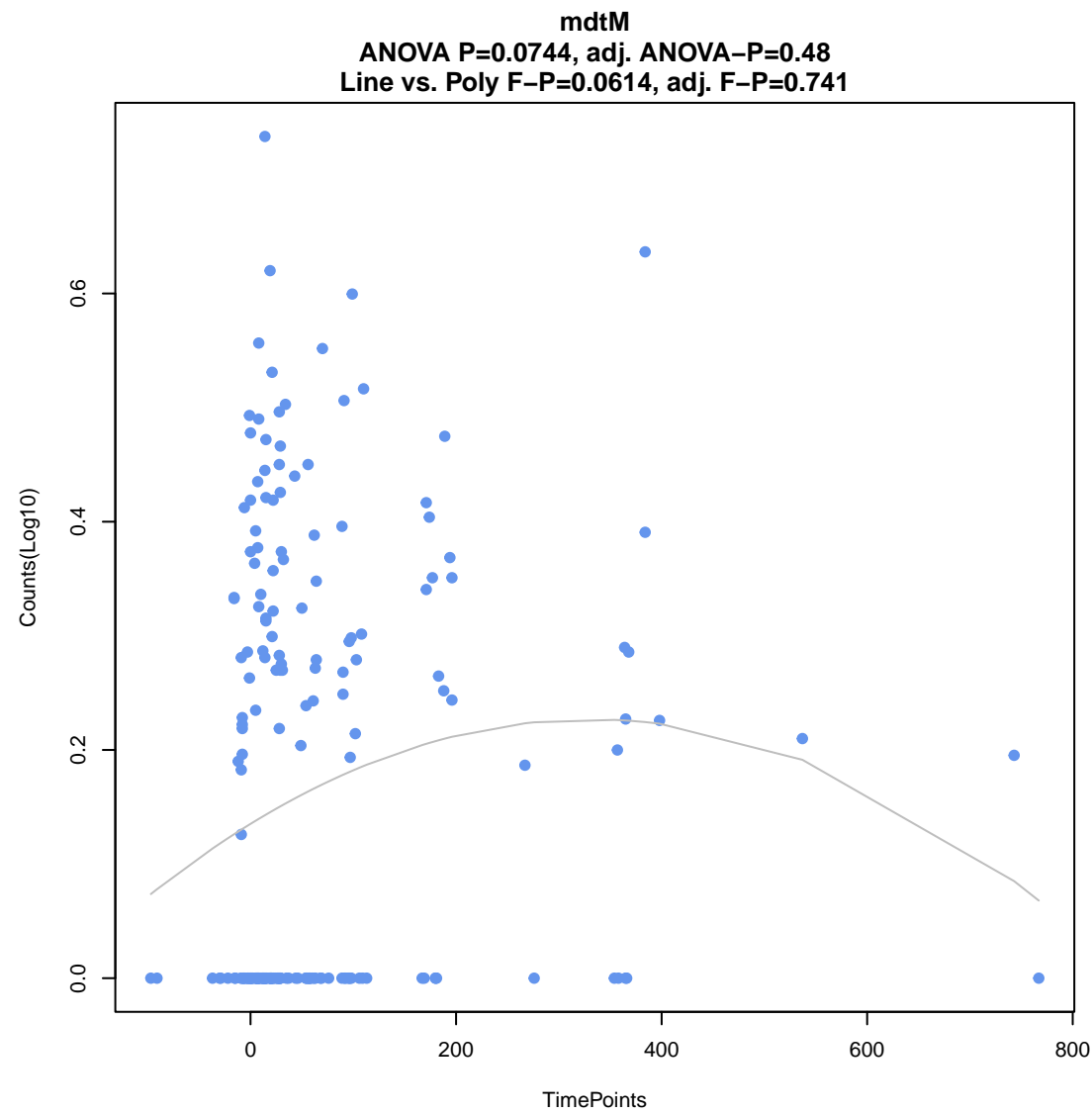
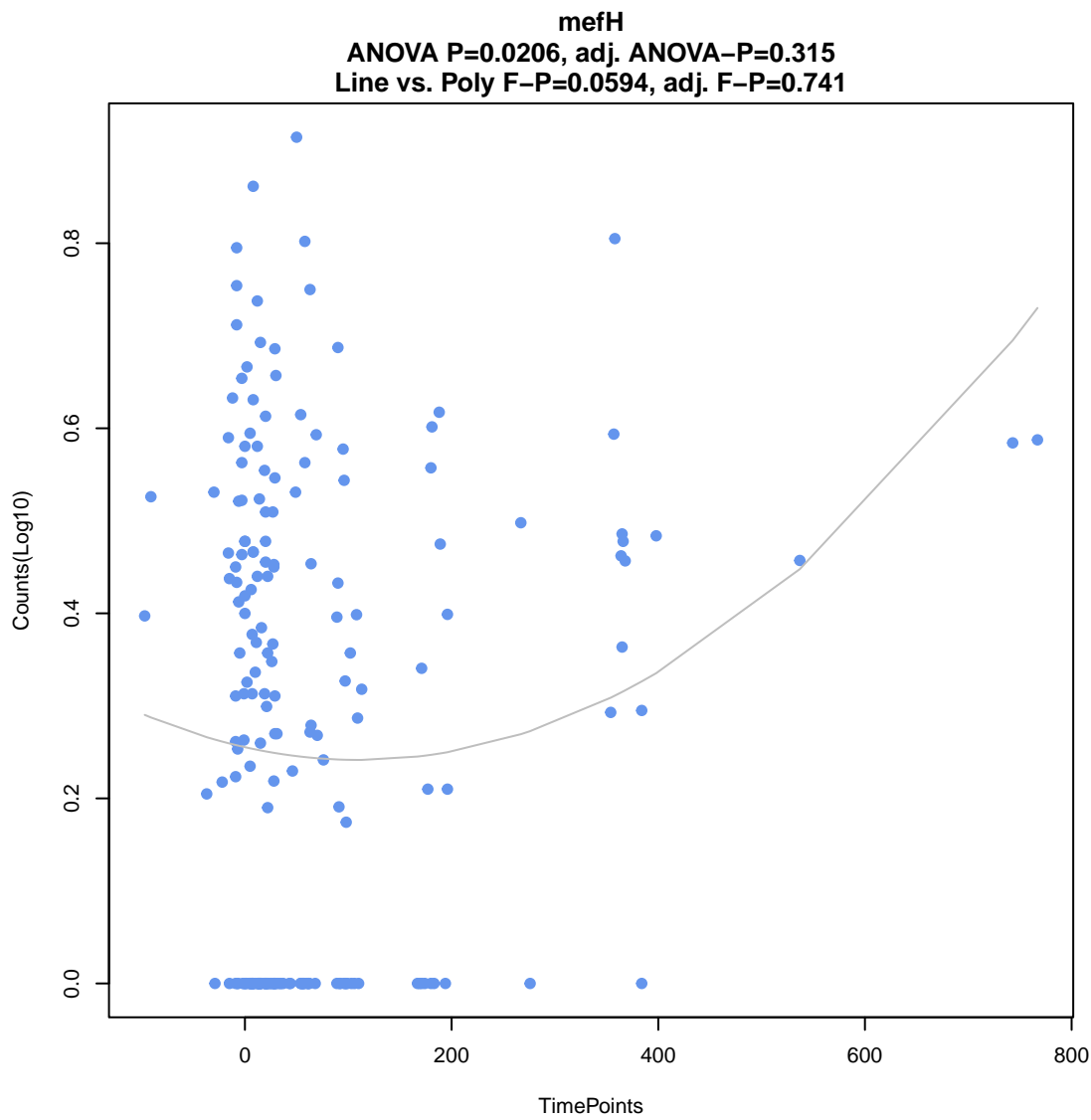
ANOVA P=0.00678, adj. ANOVA-P=0.181  
Line vs. Poly F-P=0.0552, adj. F-P=0.741



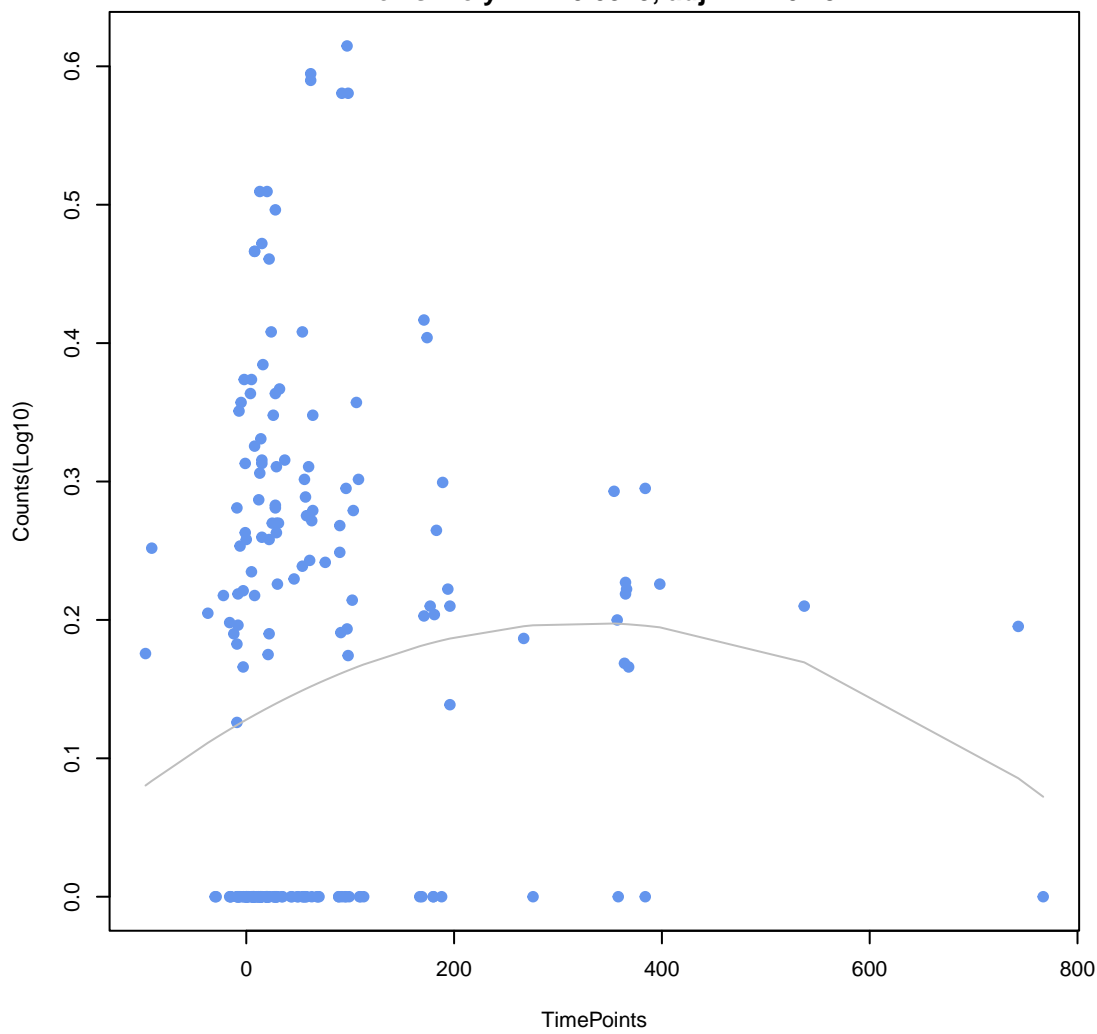
**emrB**

ANOVA P=0.0517, adj. ANOVA-P=0.461  
Line vs. Poly F-P=0.059, adj. F-P=0.741

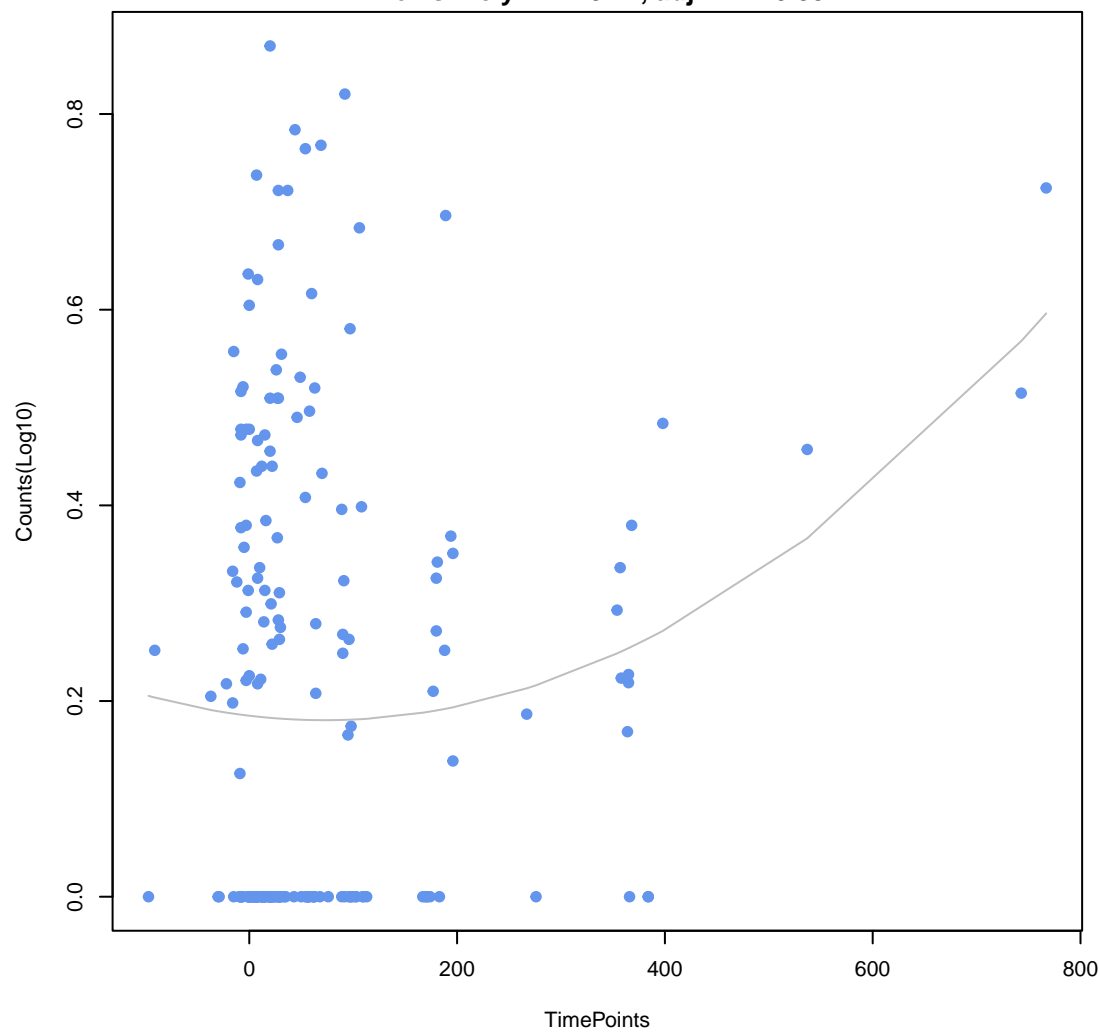




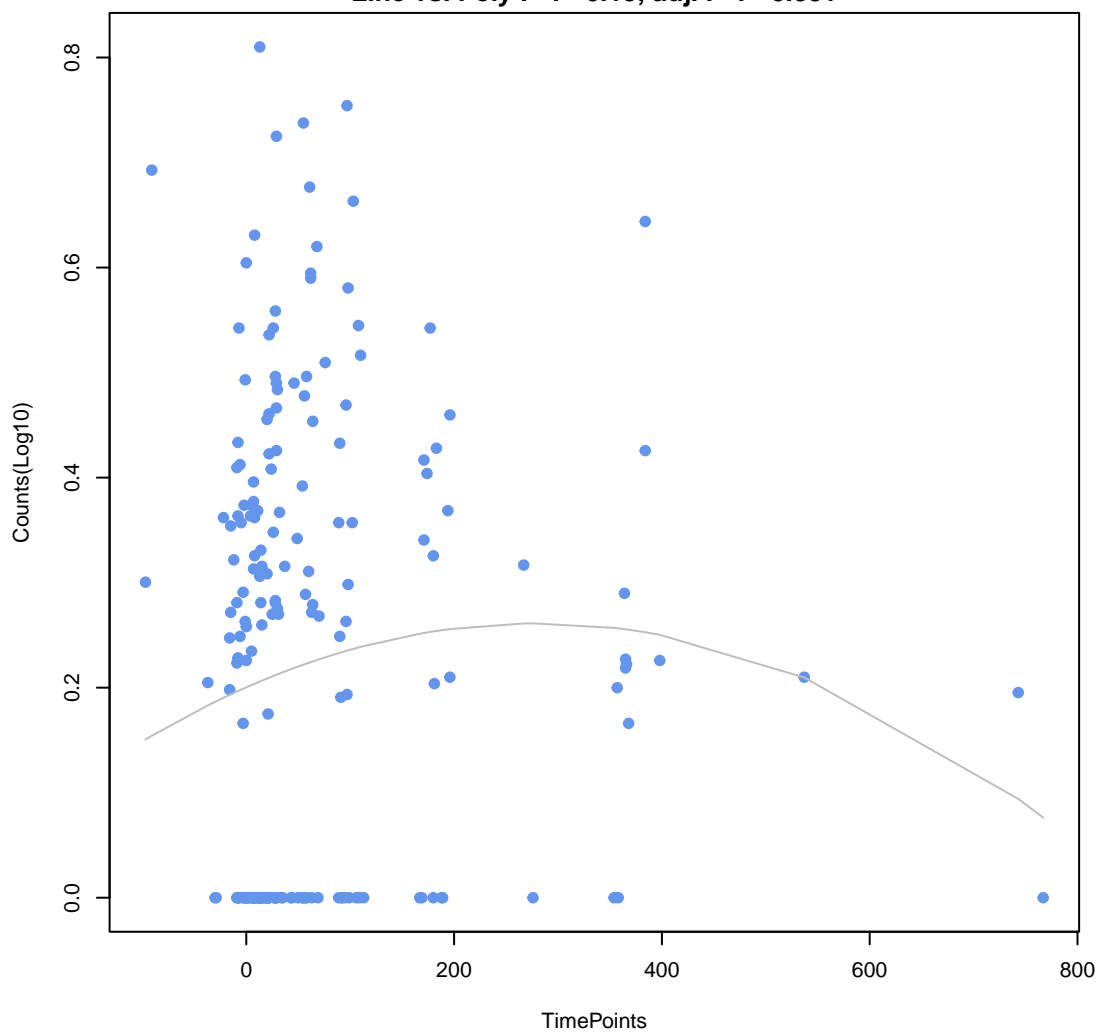
**Escherichia coli EF-Tu mutants conferring resistance to Pulvomycin**  
ANOVA P=0.132, adj. ANOVA-P=0.615  
Line vs. Poly F-P=0.0949, adj. F-P=0.781



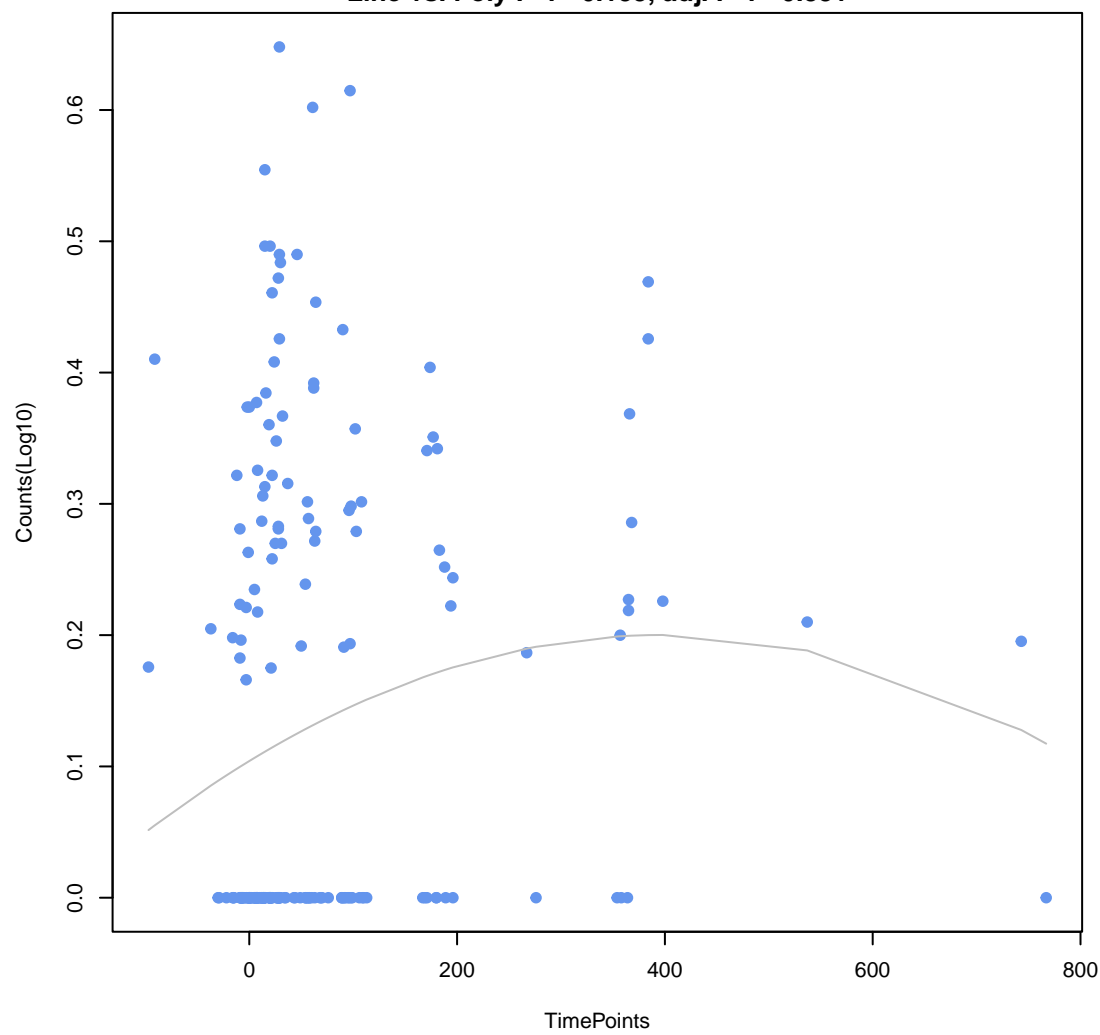
**tet(44)**  
ANOVA P=0.0284, adj. ANOVA-P=0.38  
Line vs. Poly F-P=0.12, adj. F-P=0.881



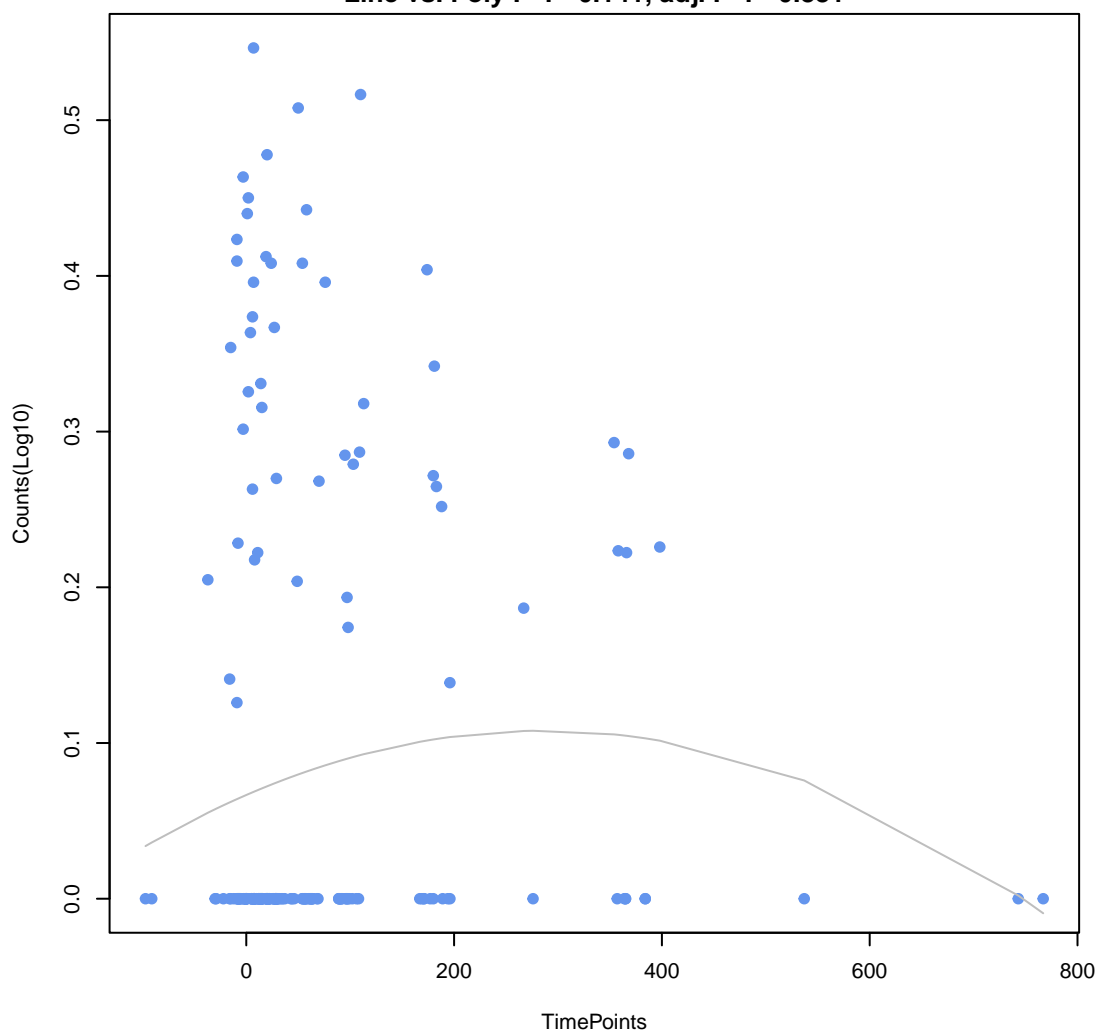
**CRP**  
ANOVA P=0.291, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.13, adj. F-P=0.881



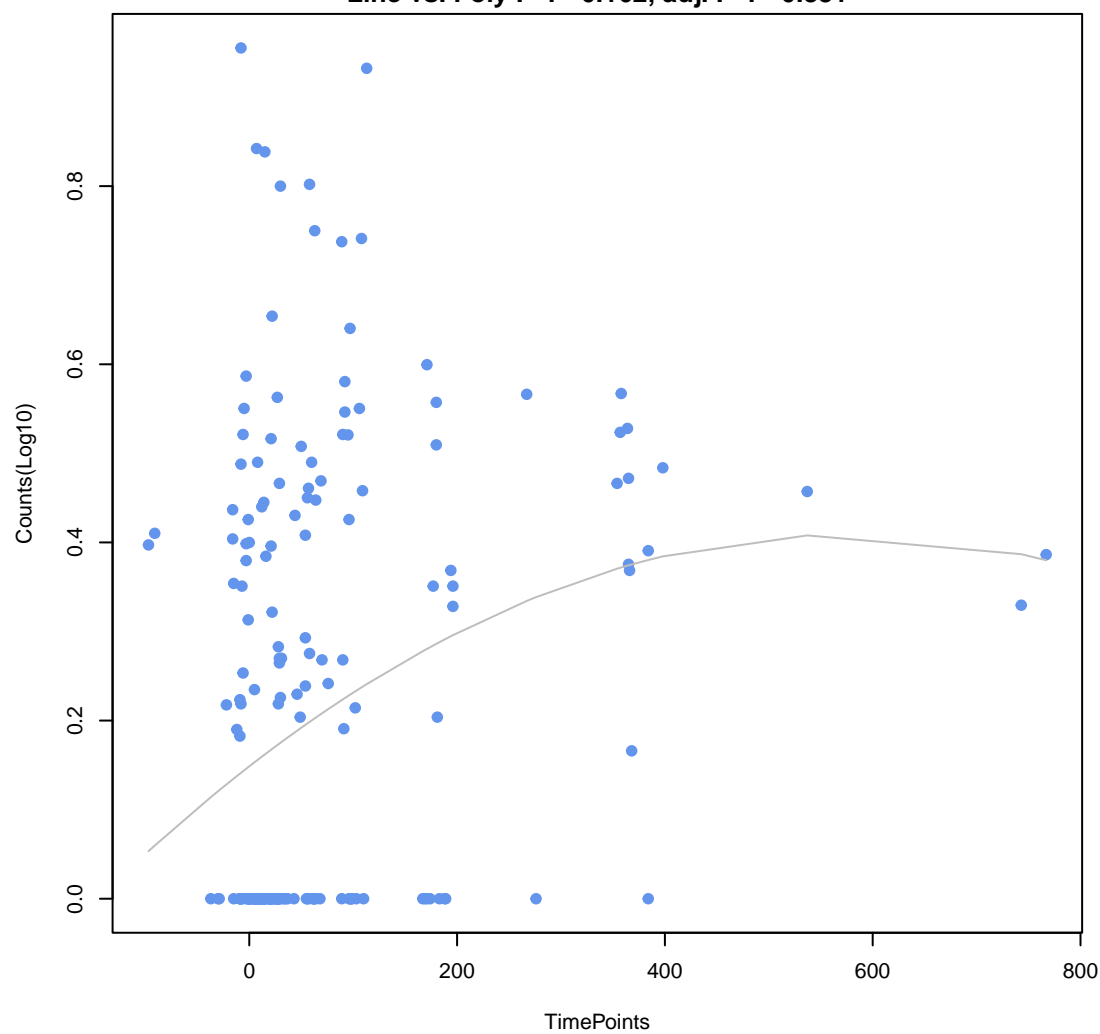
**Escherichia coli AcrAB-TolC with MarR mutations conferring resistance to ciprofloxacin and**  
ANOVA P=0.0575, adj. ANOVA-P=0.473  
Line vs. Poly F-P=0.133, adj. F-P=0.881



**mtrD**  
ANOVA P=0.302, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.141, adj. F-P=0.881

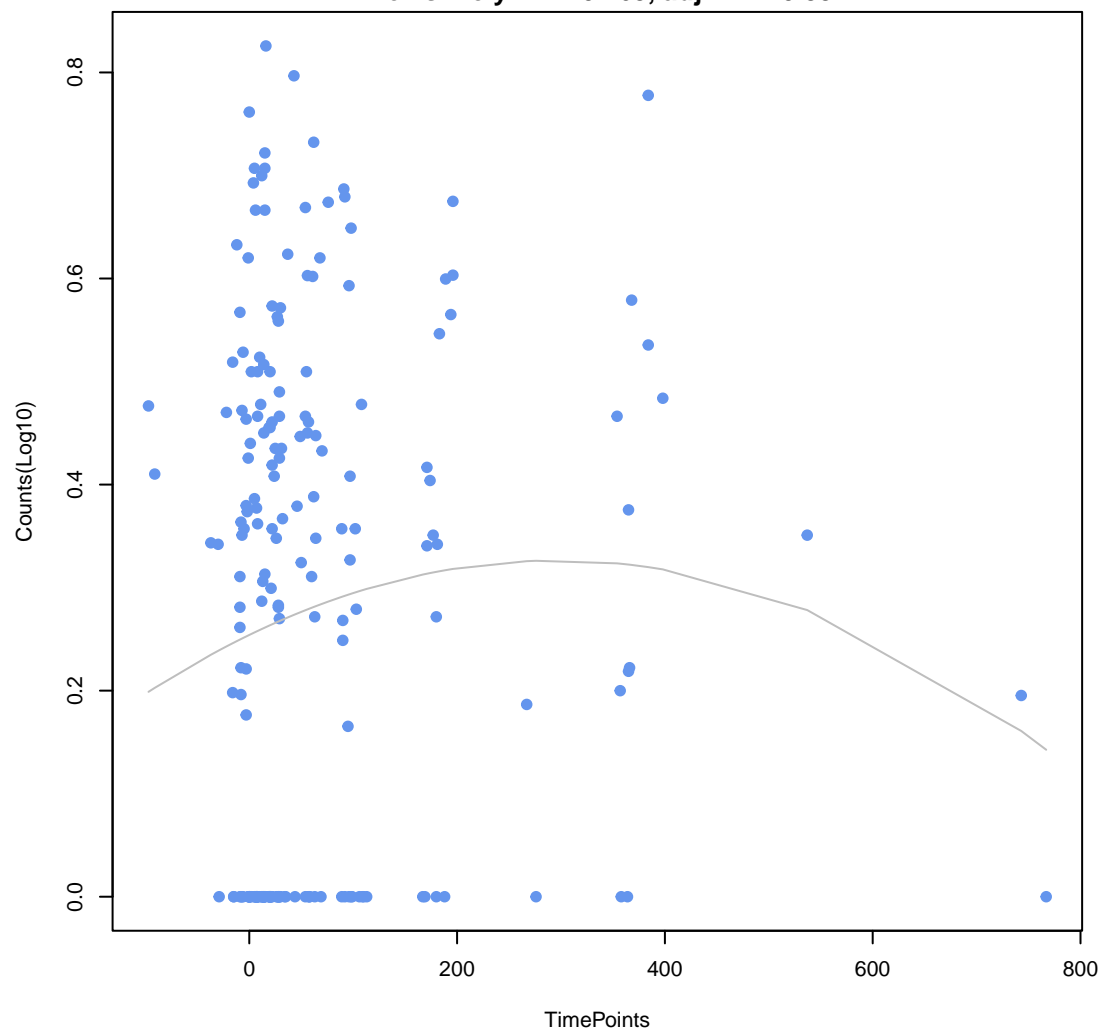


**nimA**  
ANOVA P=0.000404, adj. ANOVA-P=0.0433  
Line vs. Poly F-P=0.162, adj. F-P=0.881



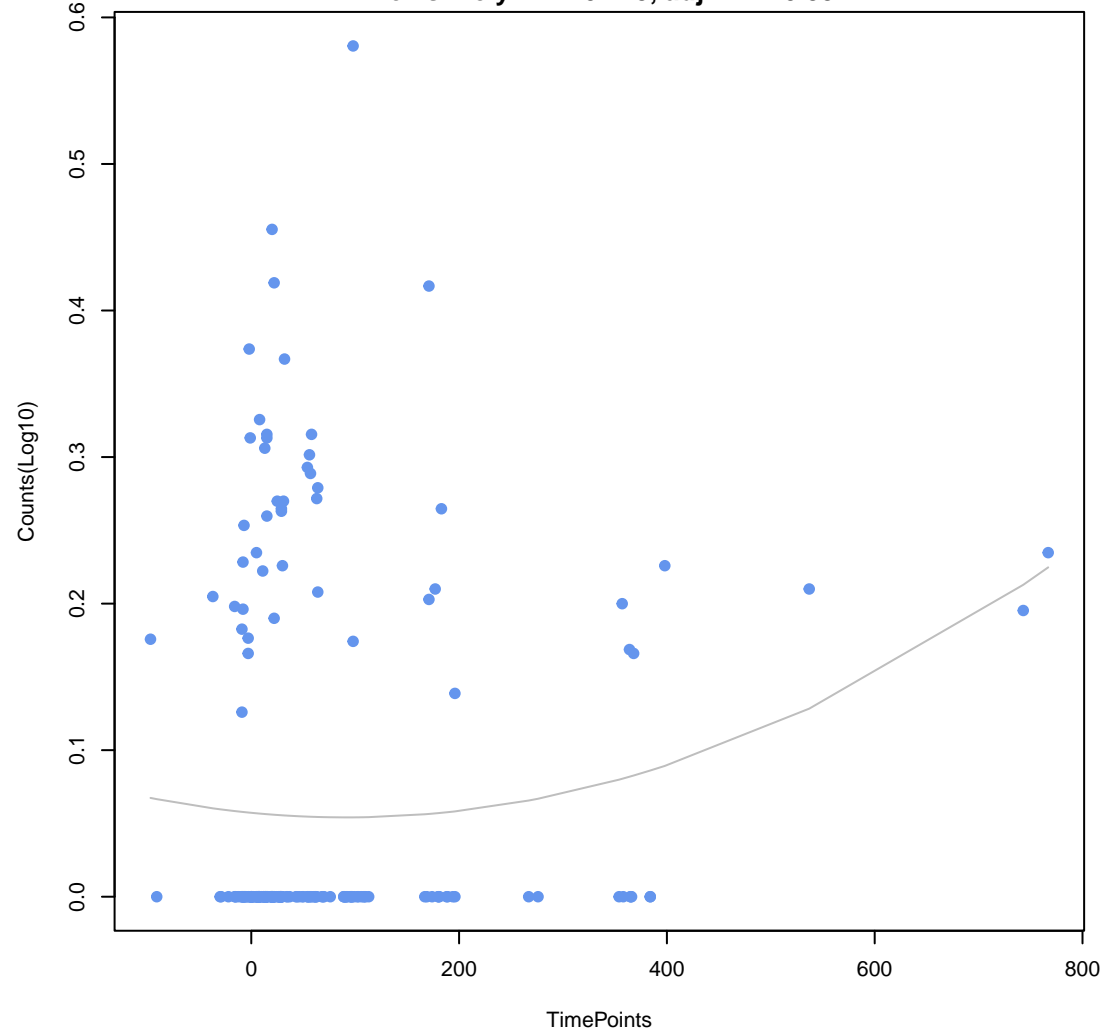
**acrB**

ANOVA P=0.321, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.163, adj. F-P=0.881



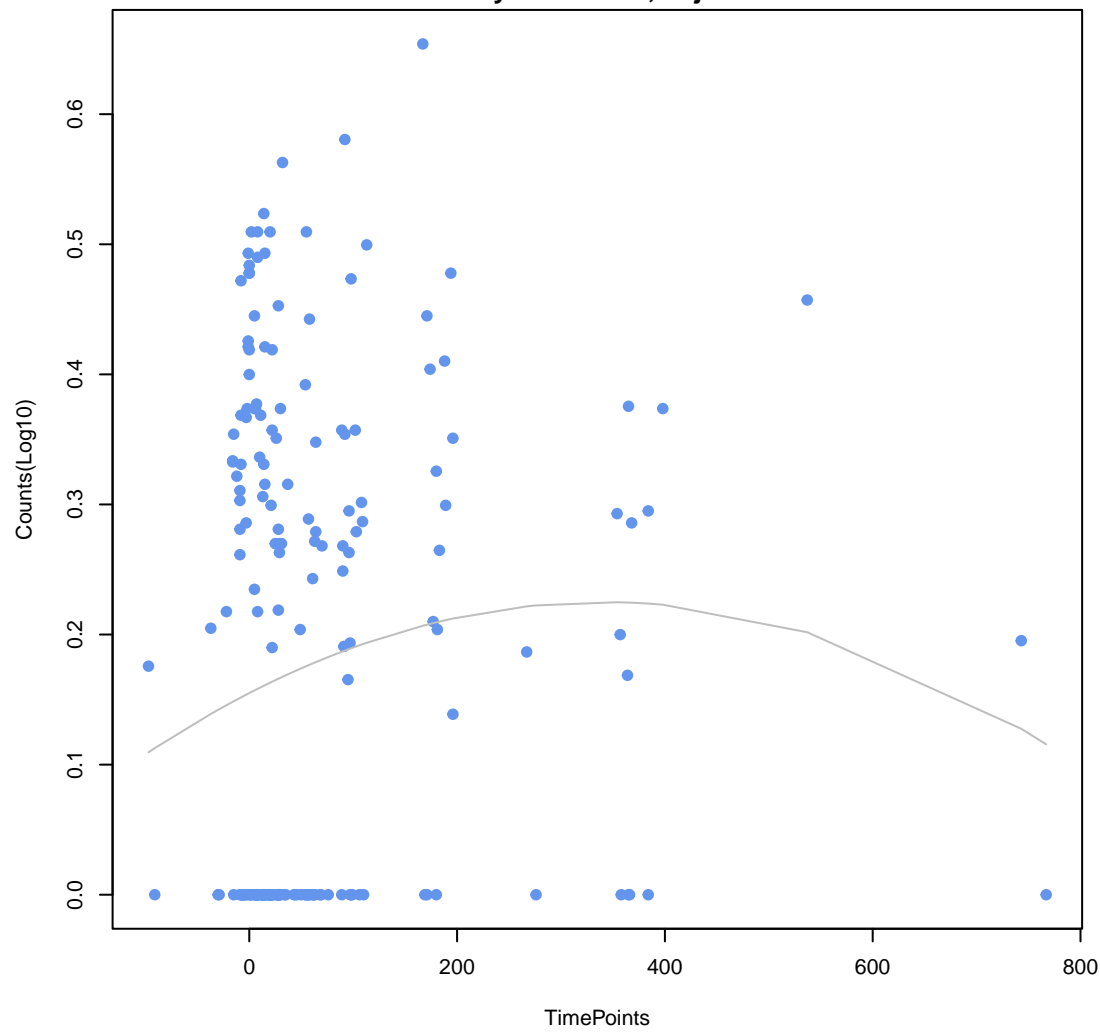
**gadW**

ANOVA P=0.0933, adj. ANOVA-P=0.526  
Line vs. Poly F-P=0.173, adj. F-P=0.881



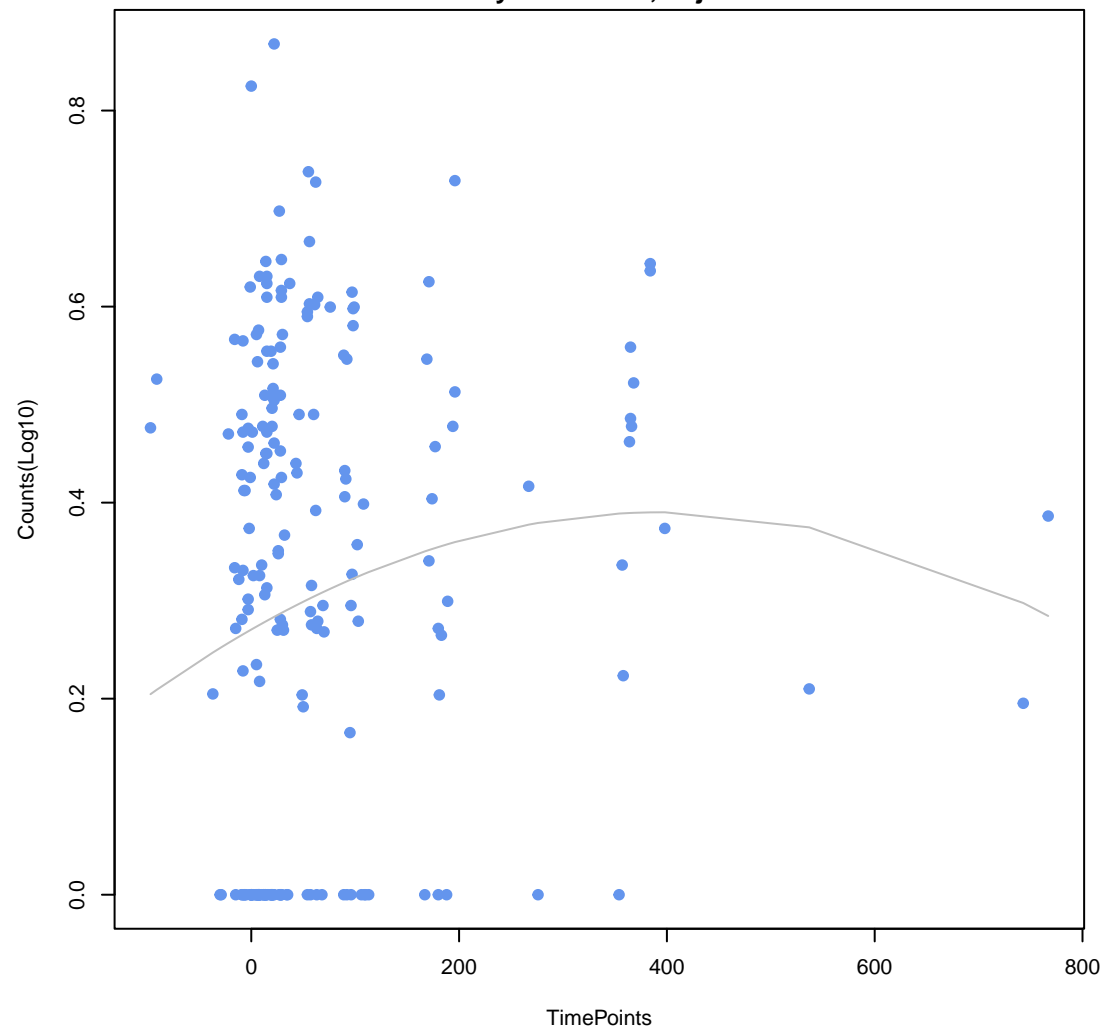
**mdtG**

ANOVA P=0.225, adj. ANOVA-P=0.709  
Line vs. Poly F-P=0.173, adj. F-P=0.881



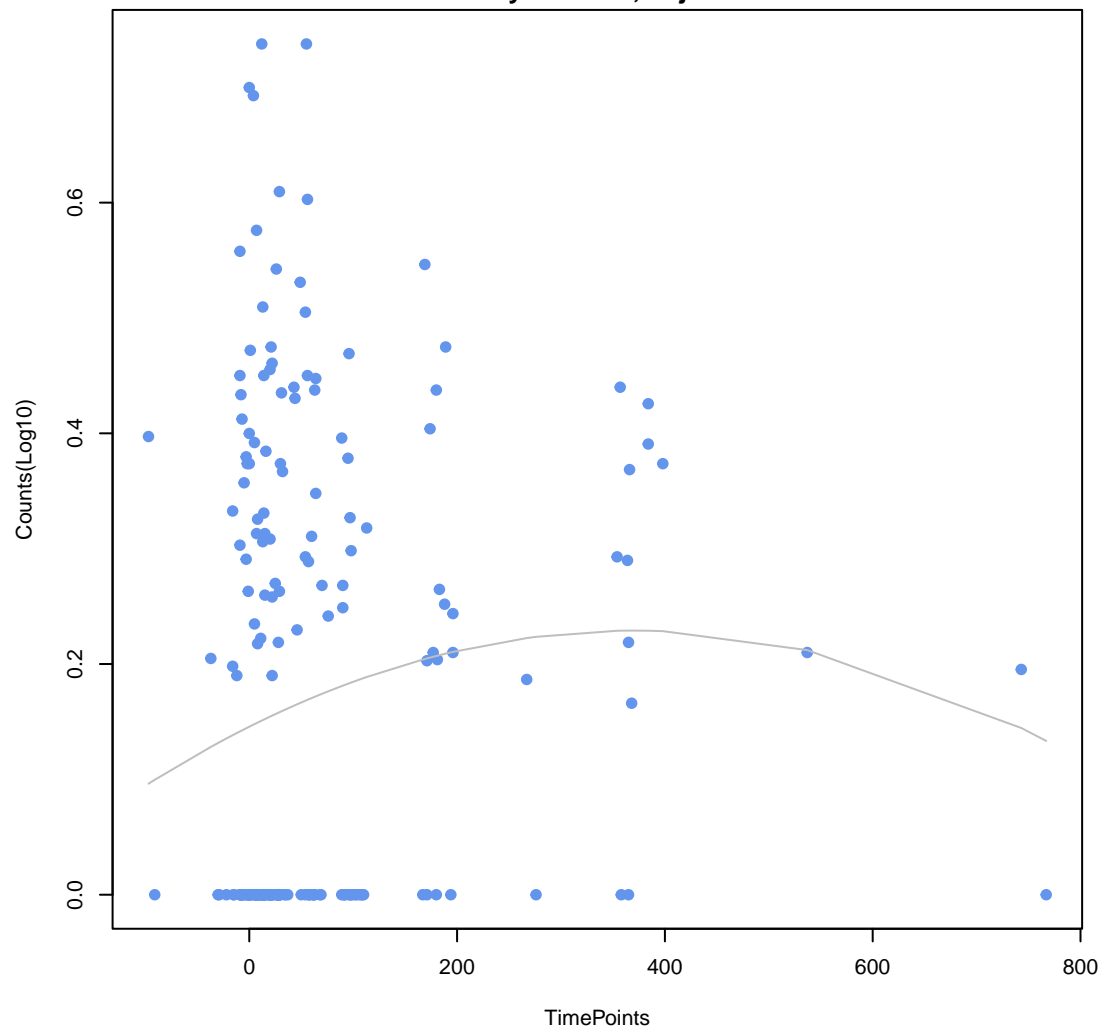
**mdtB**

ANOVA P=0.109, adj. ANOVA-P=0.58  
Line vs. Poly F-P=0.182, adj. F-P=0.886



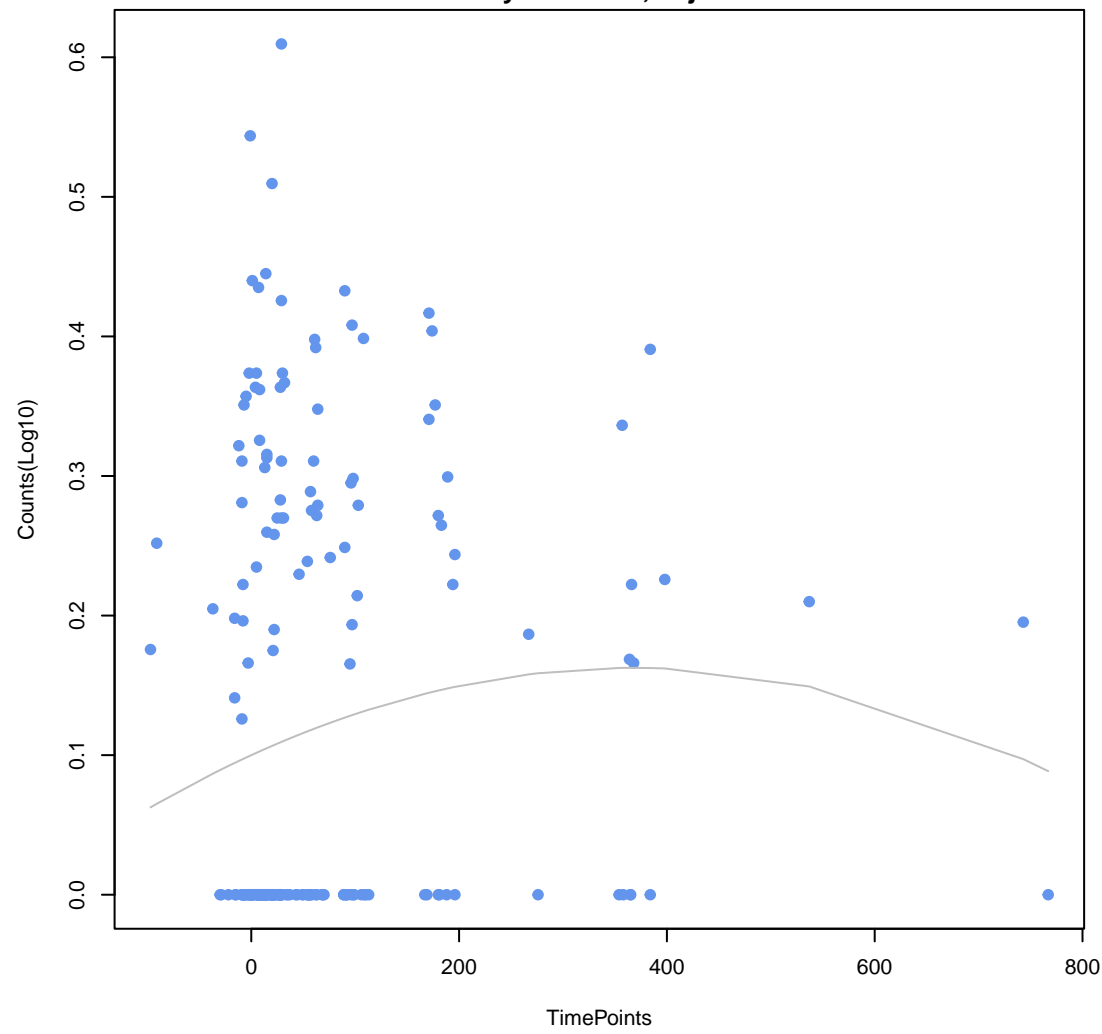
**baeS**

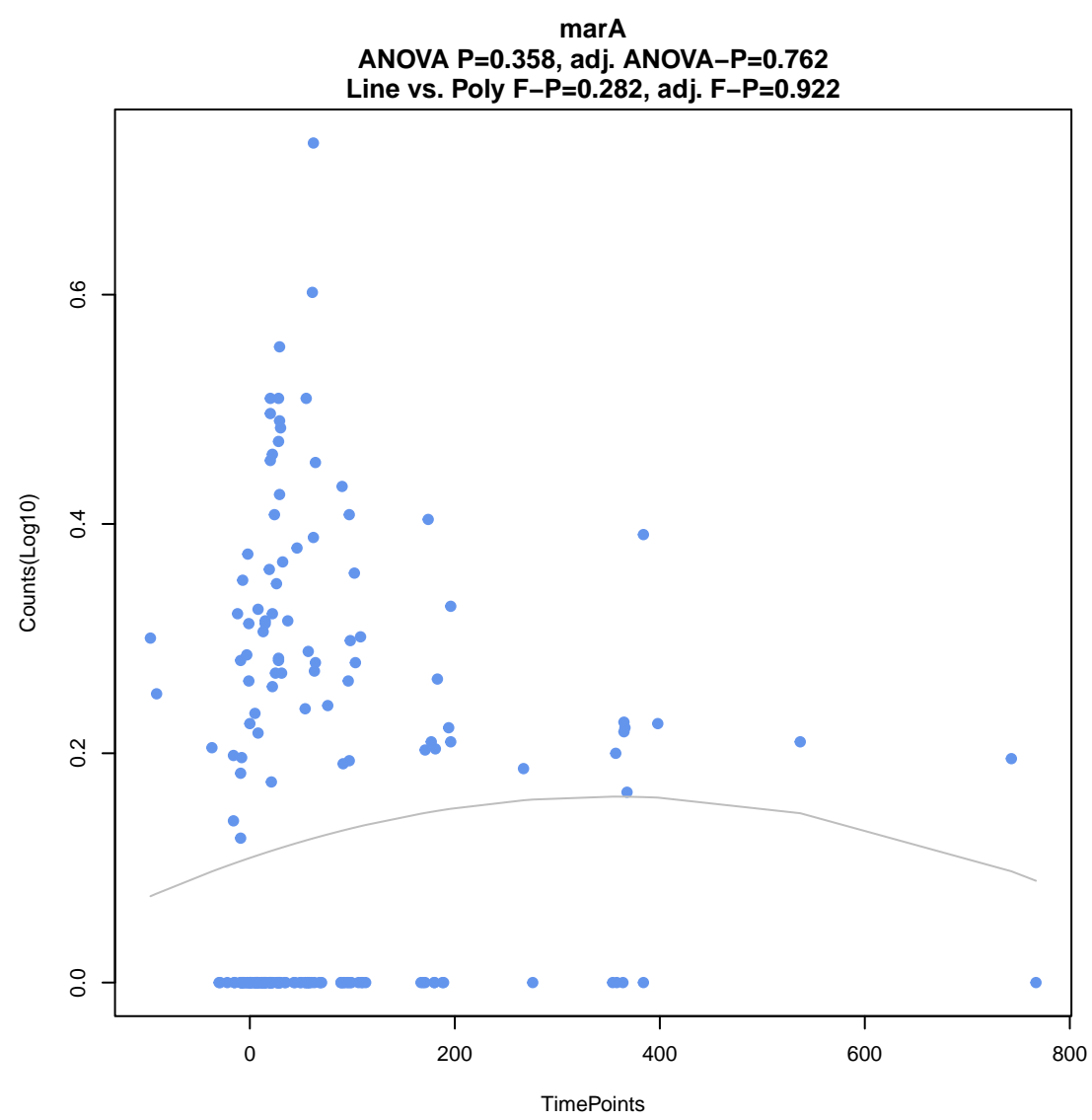
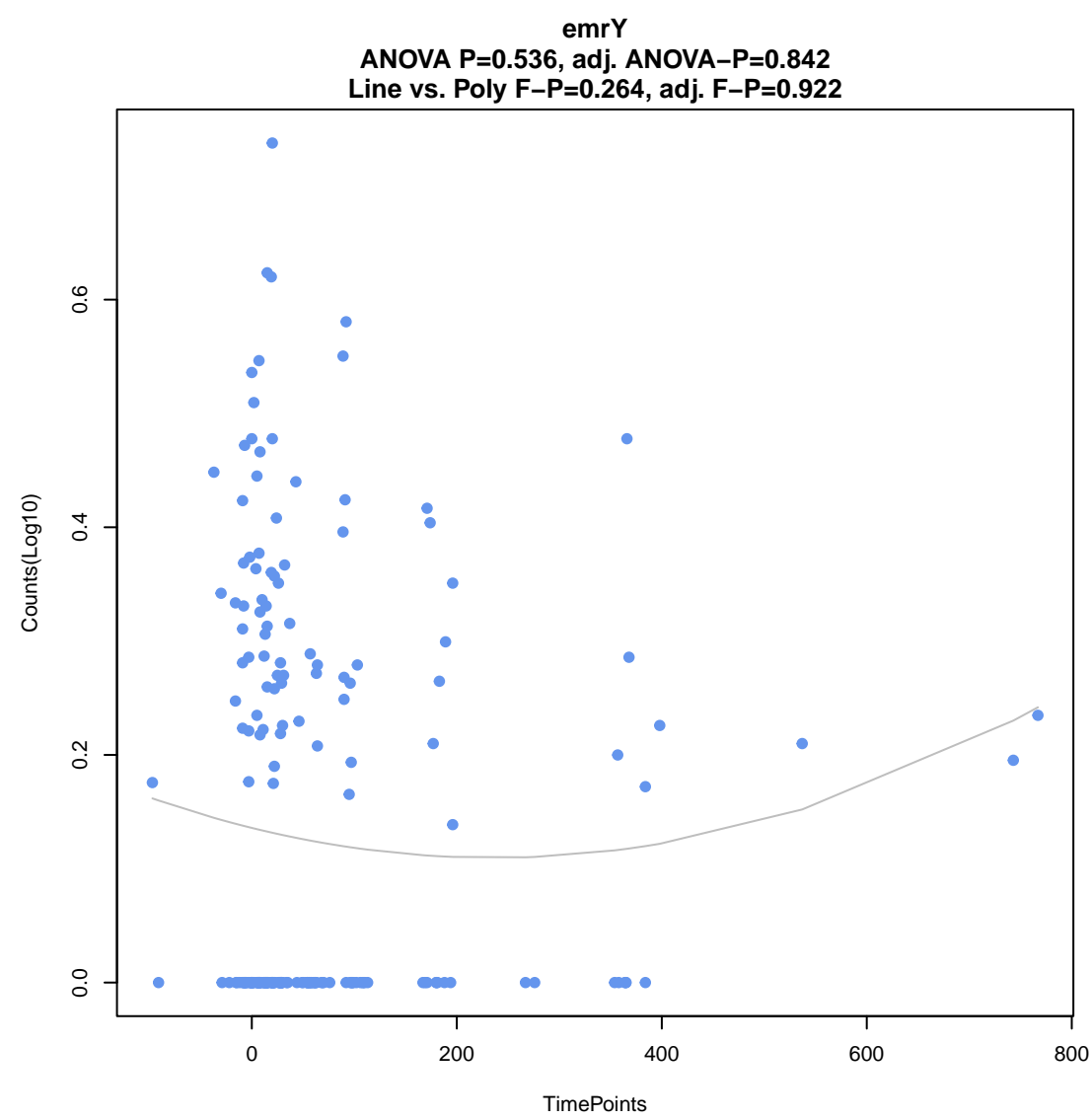
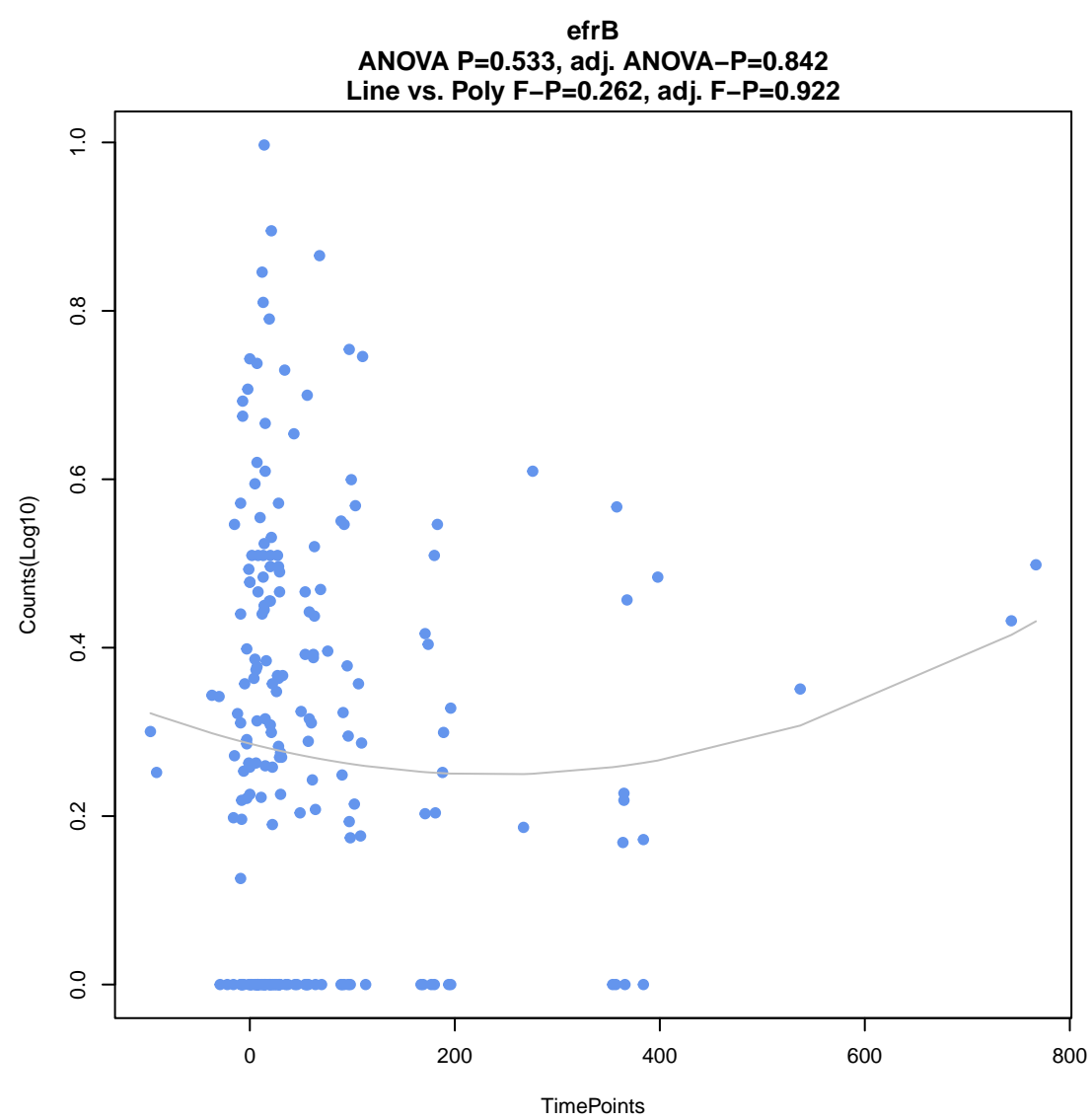
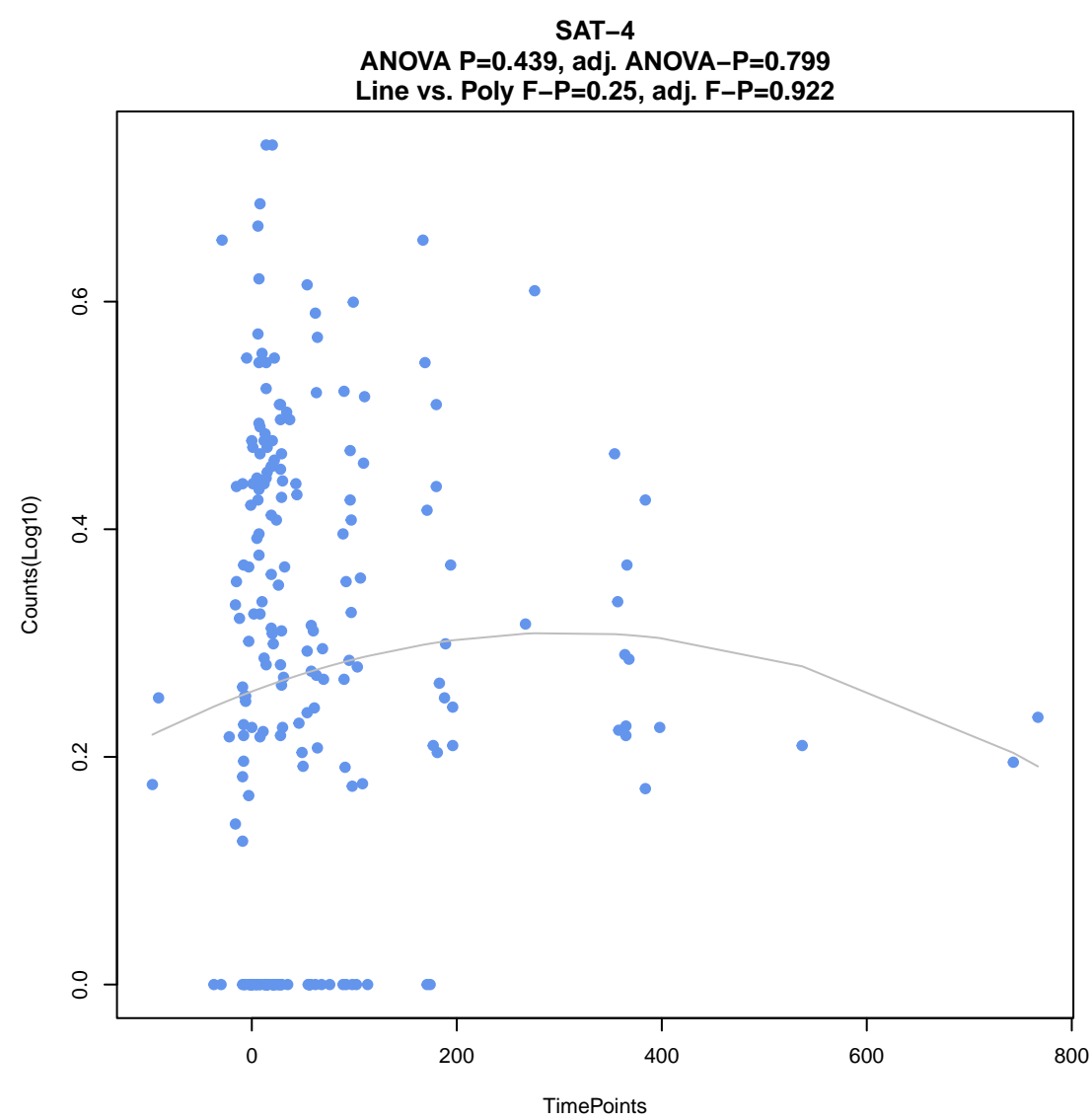
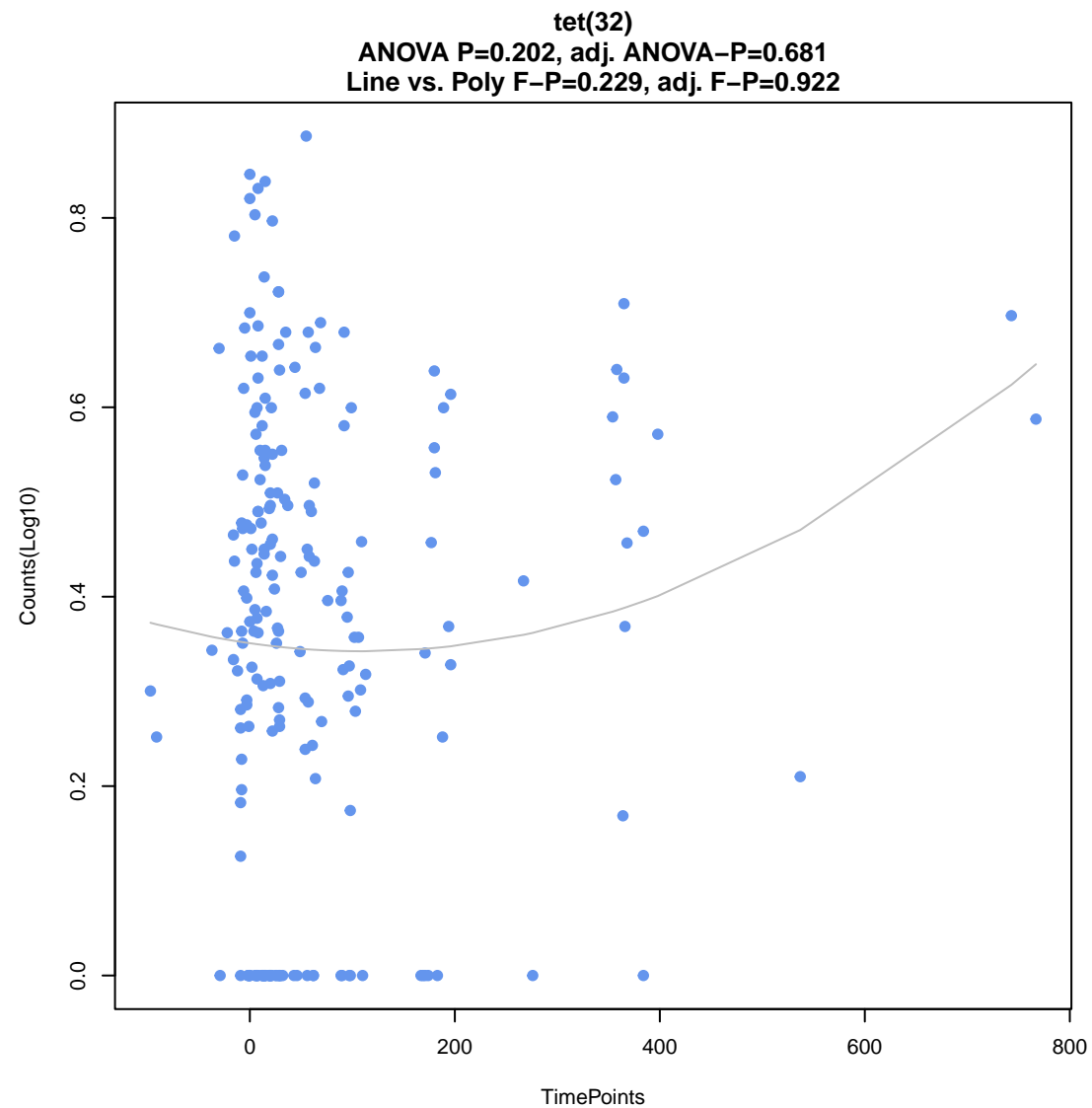
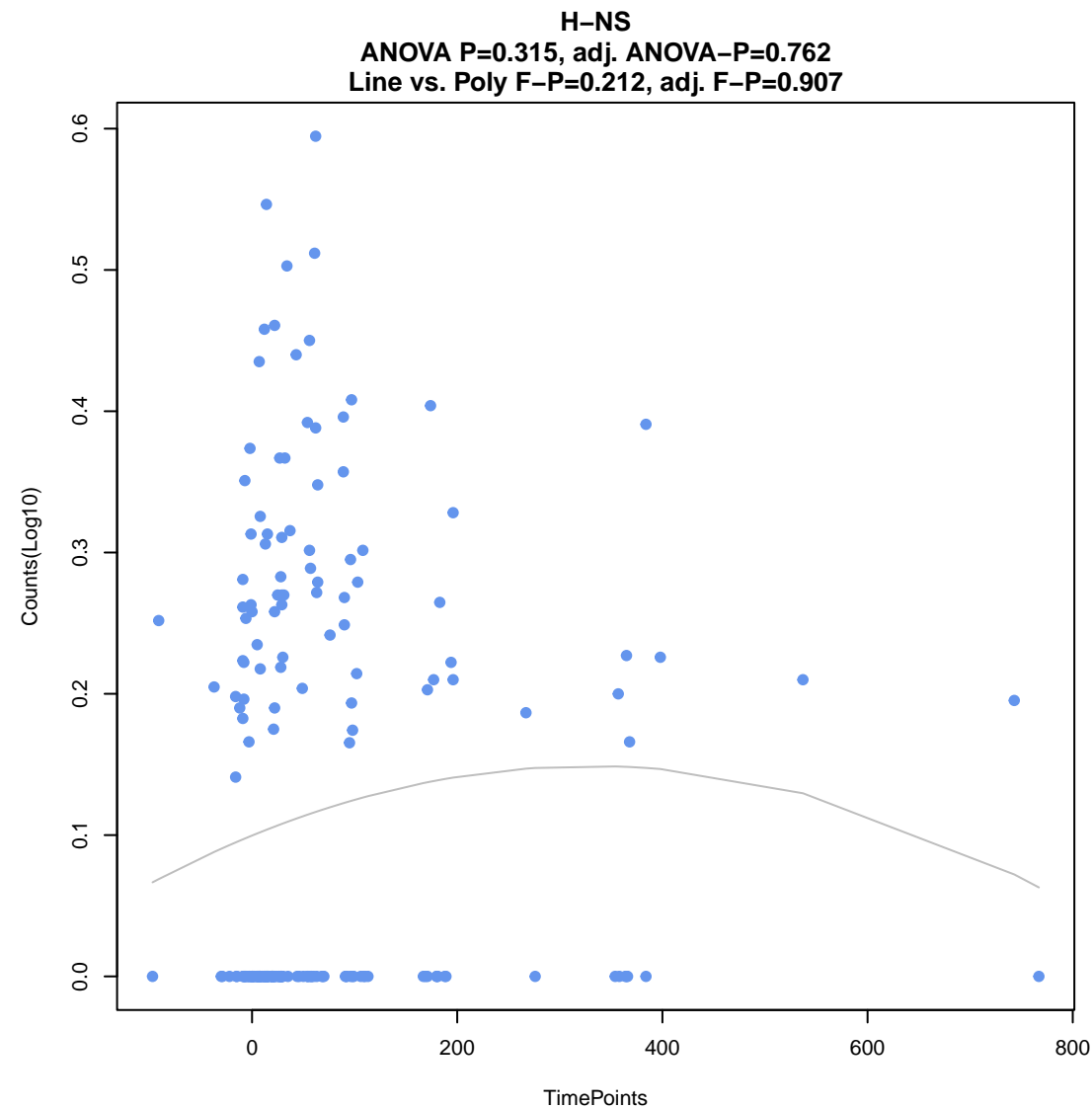
ANOVA P=0.188, adj. ANOVA-P=0.681  
Line vs. Poly F-P=0.2, adj. F-P=0.907



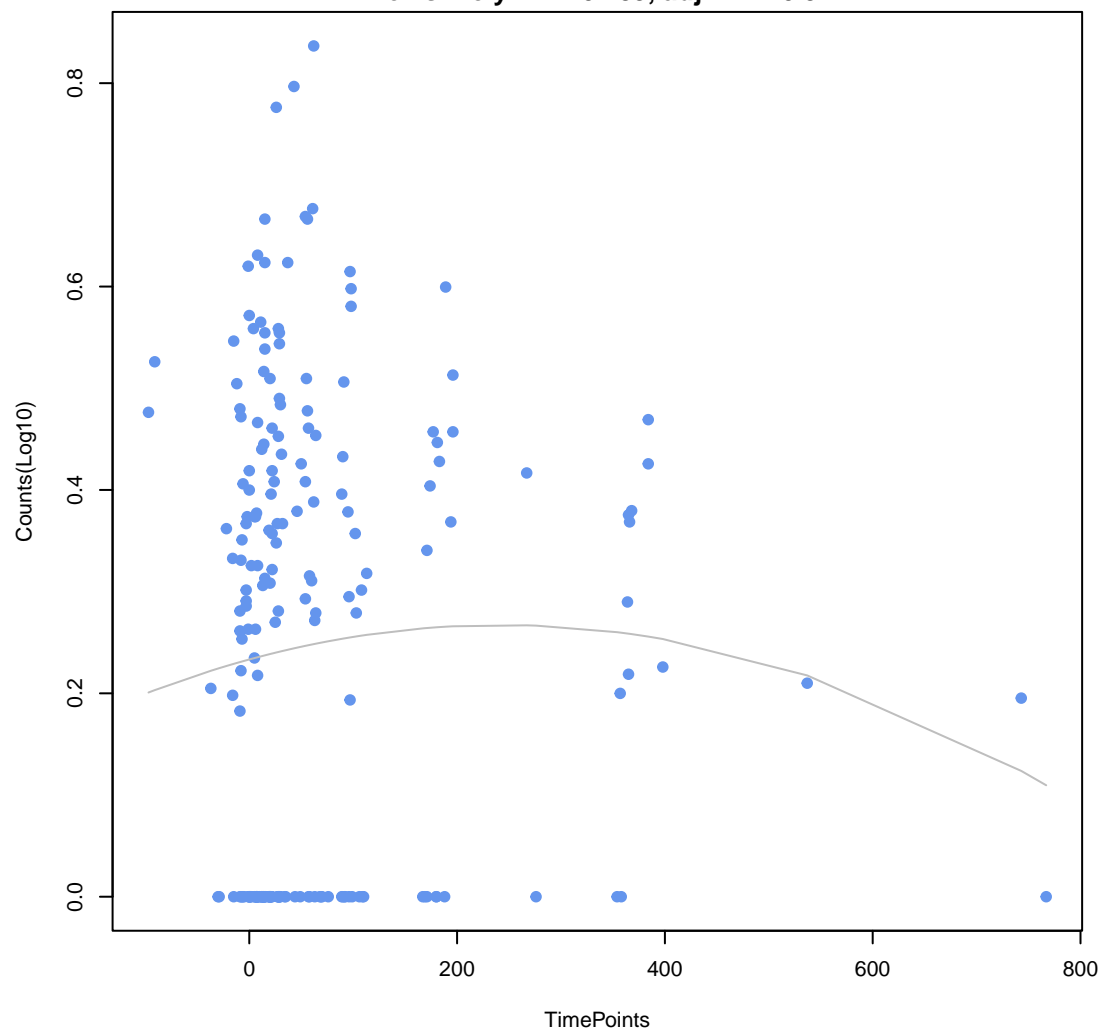
**Escherichia coli soxS with mutation conferring antibiotic resistance**

ANOVA P=0.21, adj. ANOVA-P=0.681  
Line vs. Poly F-P=0.21, adj. F-P=0.907

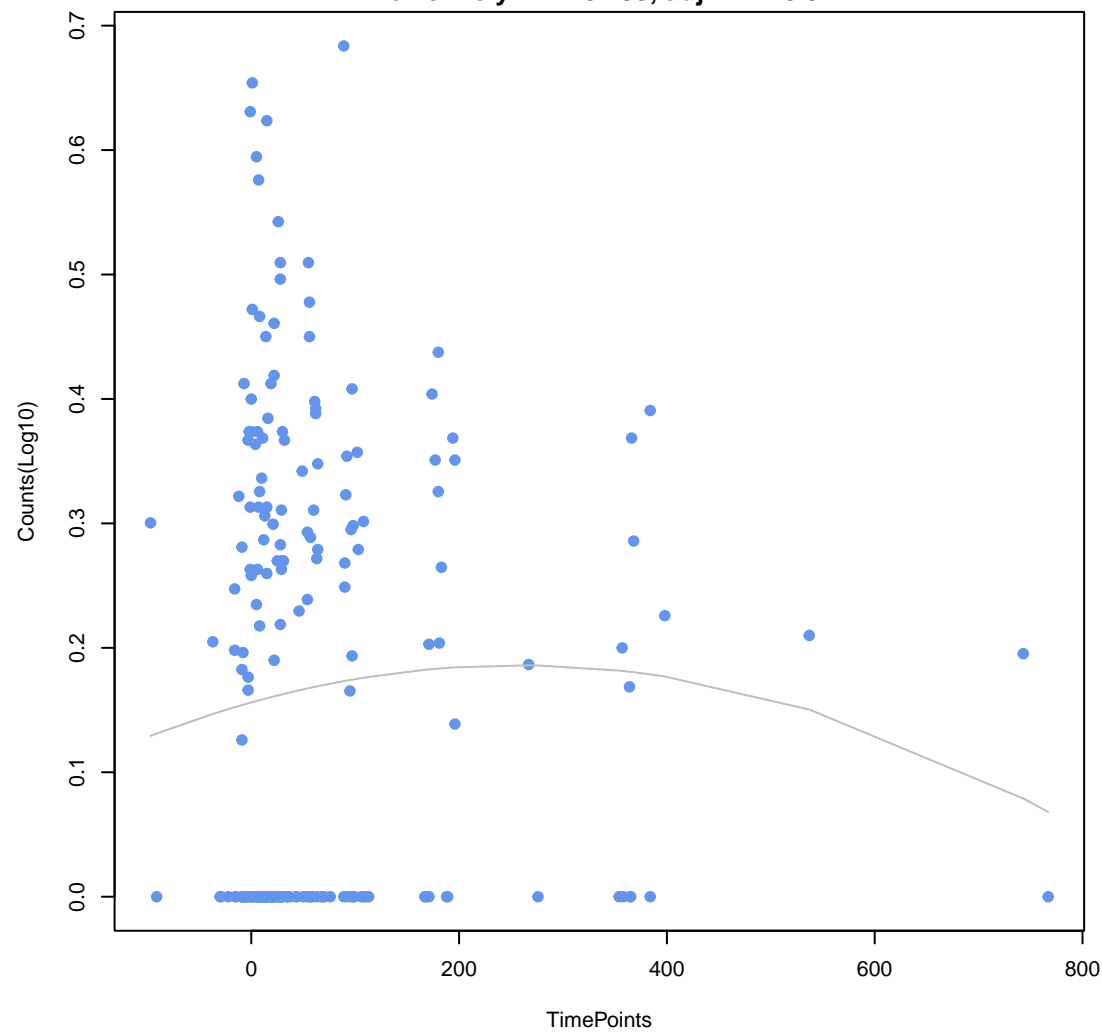




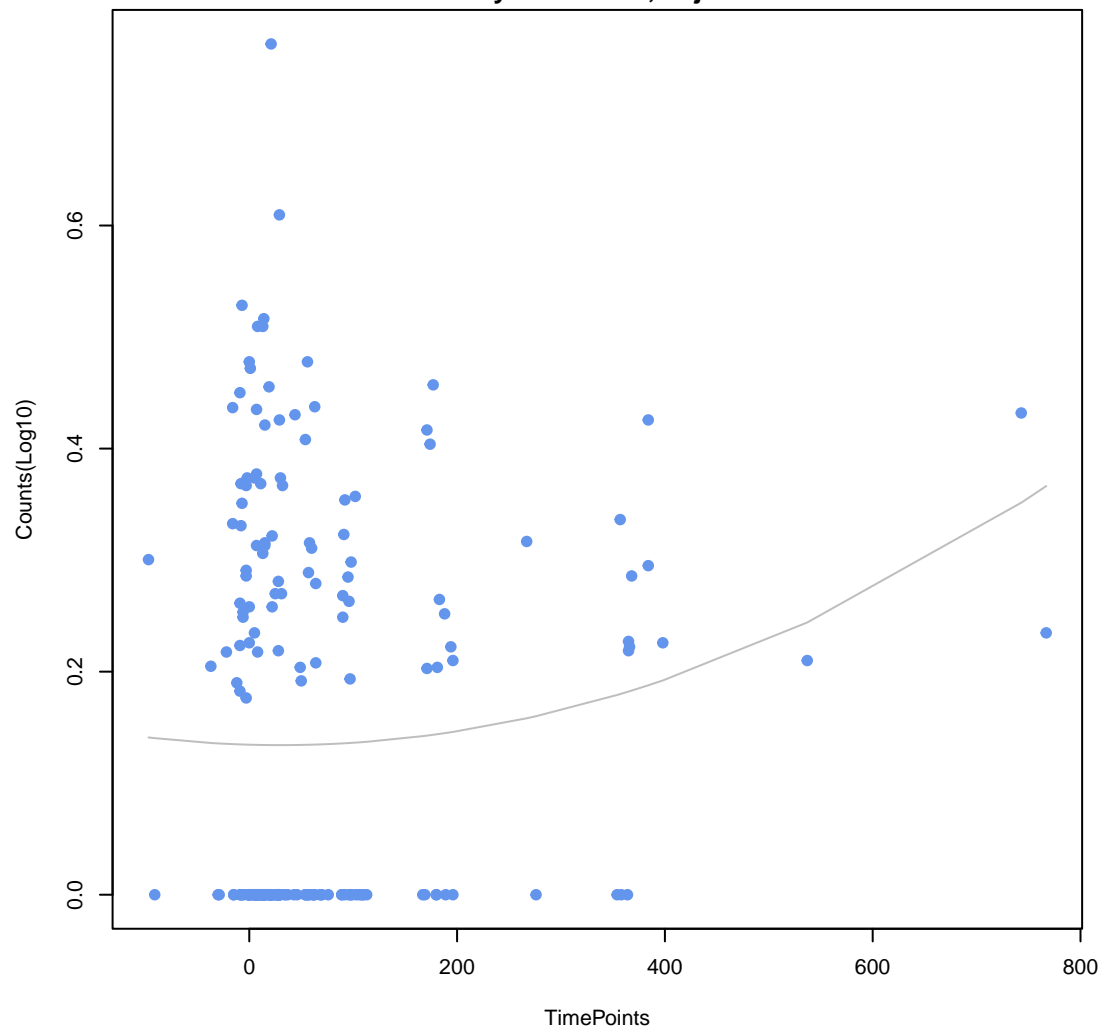
**msbA**  
ANOVA P=0.571, adj. ANOVA-P=0.842  
Line vs. Poly F-P=0.289, adj. F-P=0.922



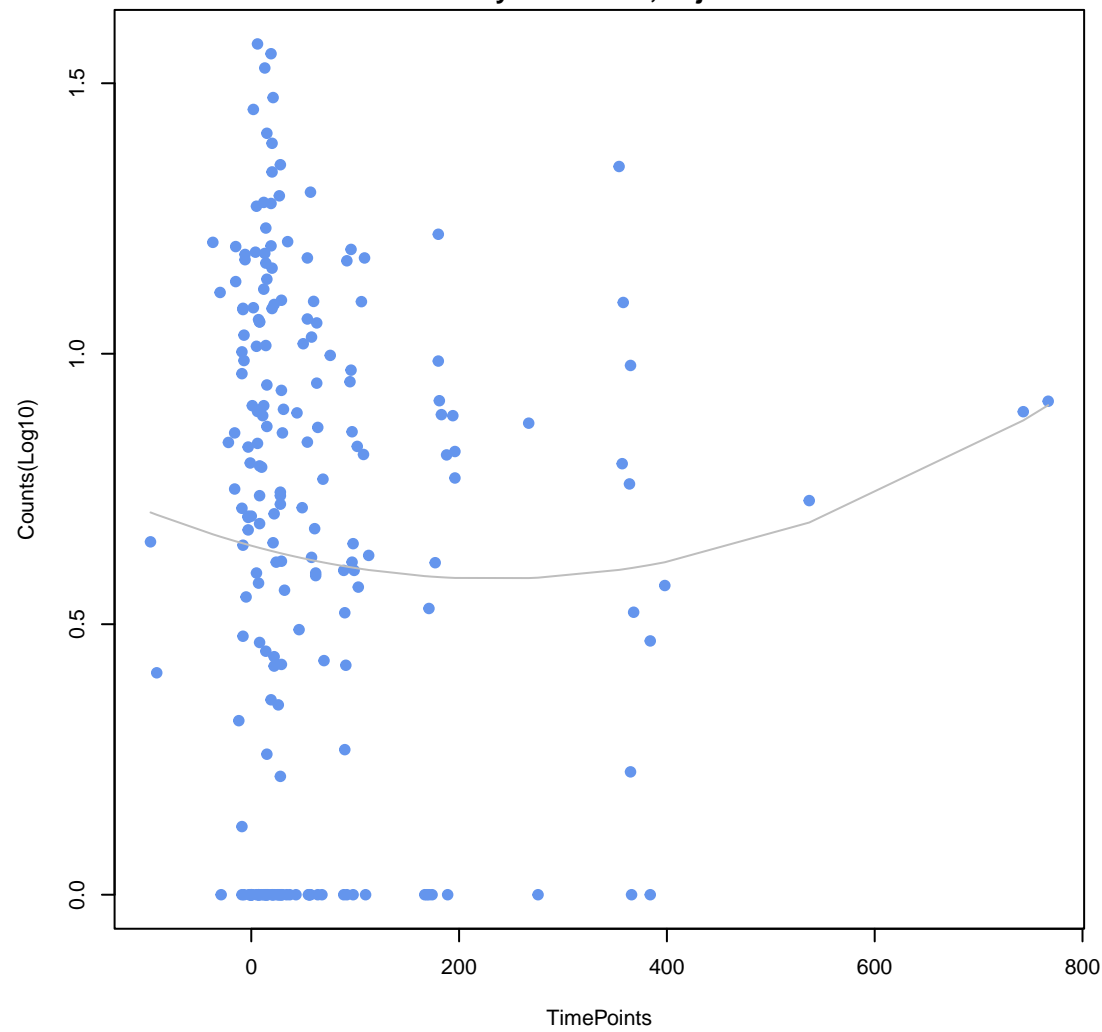
**emrA**  
ANOVA P=0.581, adj. ANOVA-P=0.842  
Line vs. Poly F-P=0.299, adj. F-P=0.922



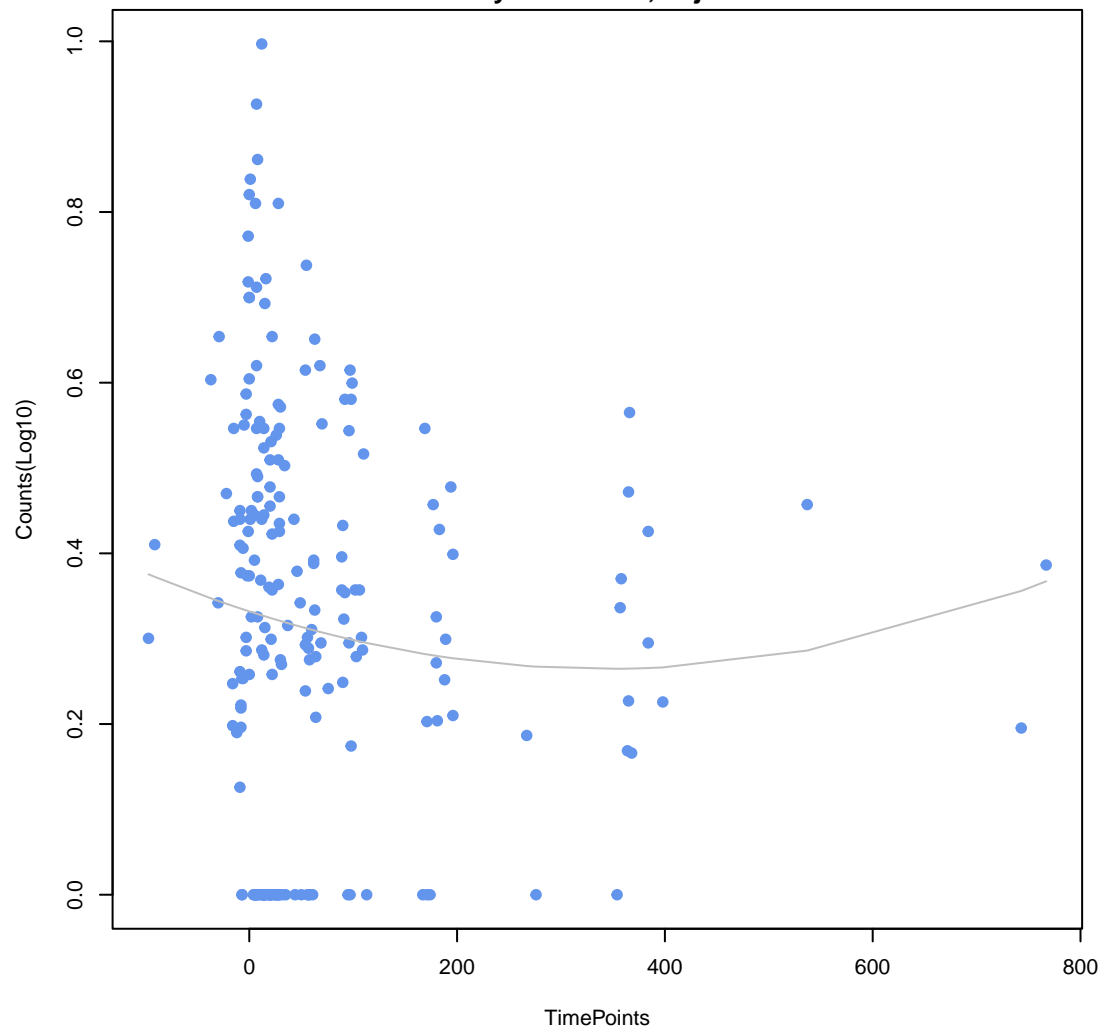
**mdtH**  
ANOVA P=0.115, adj. ANOVA-P=0.58  
Line vs. Poly F-P=0.301, adj. F-P=0.922



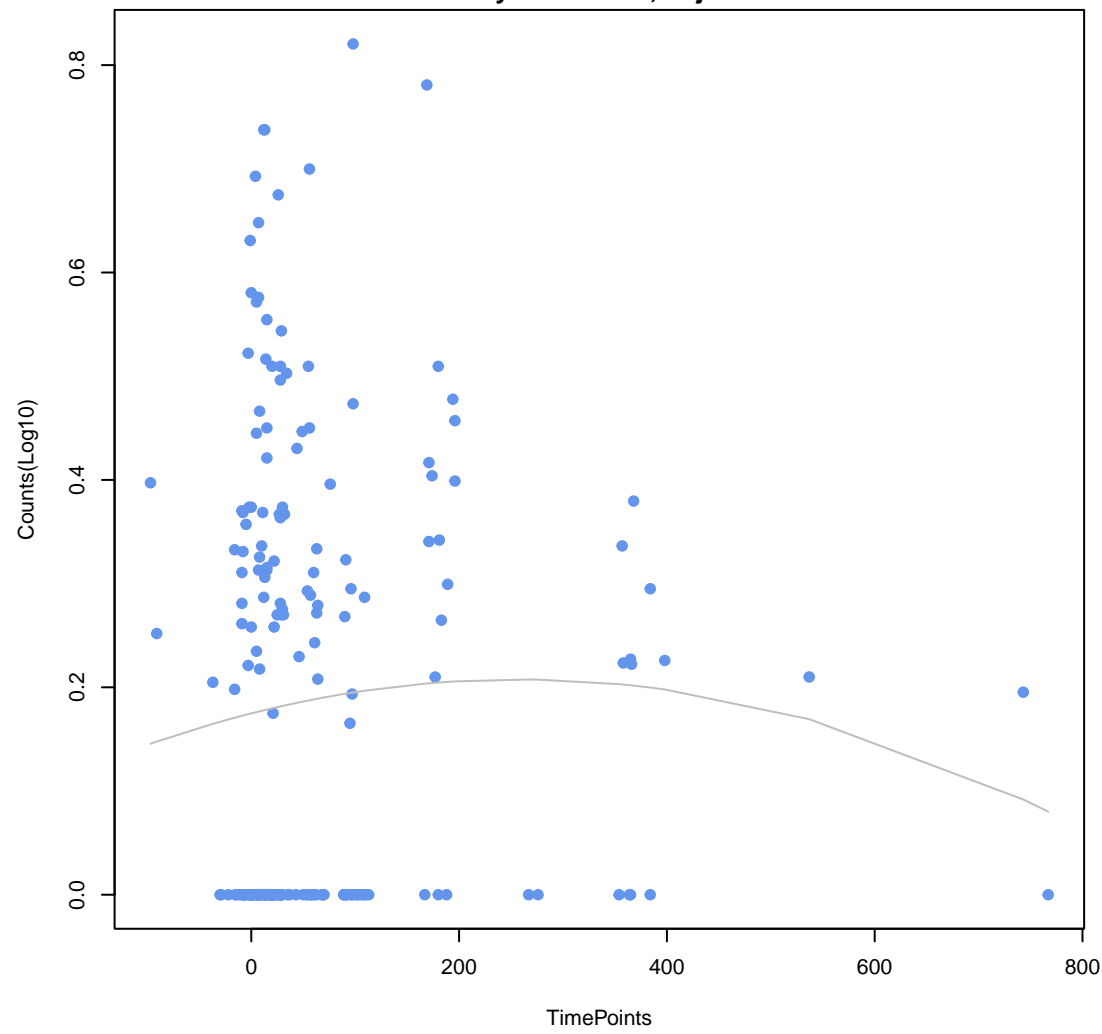
**adeF**  
ANOVA P=0.593, adj. ANOVA-P=0.842  
Line vs. Poly F-P=0.308, adj. F-P=0.922



**tetB(46)**  
ANOVA P=0.433, adj. ANOVA-P=0.799  
Line vs. Poly F-P=0.312, adj. F-P=0.922

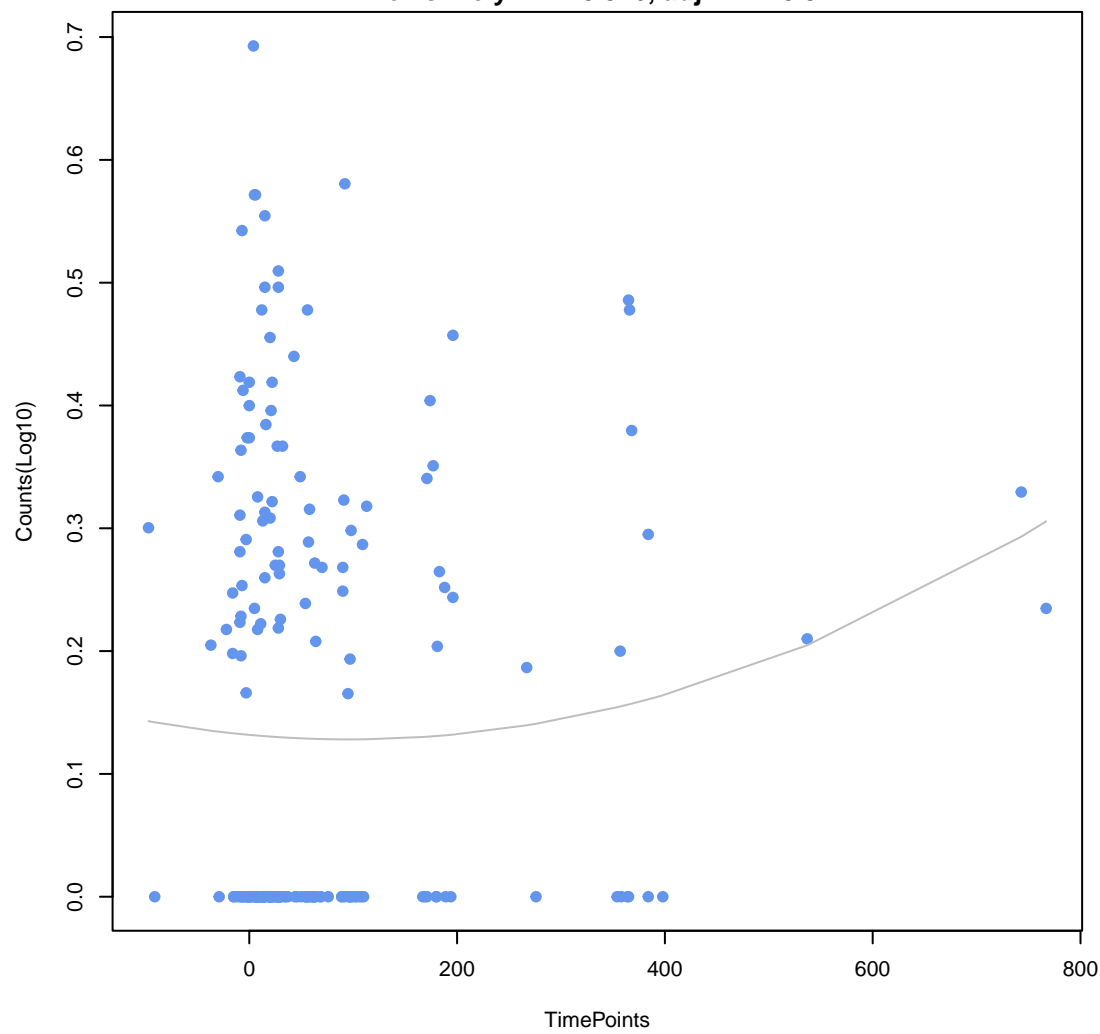


**ToIC**  
ANOVA P=0.622, adj. ANOVA-P=0.854  
Line vs. Poly F-P=0.332, adj. F-P=0.922



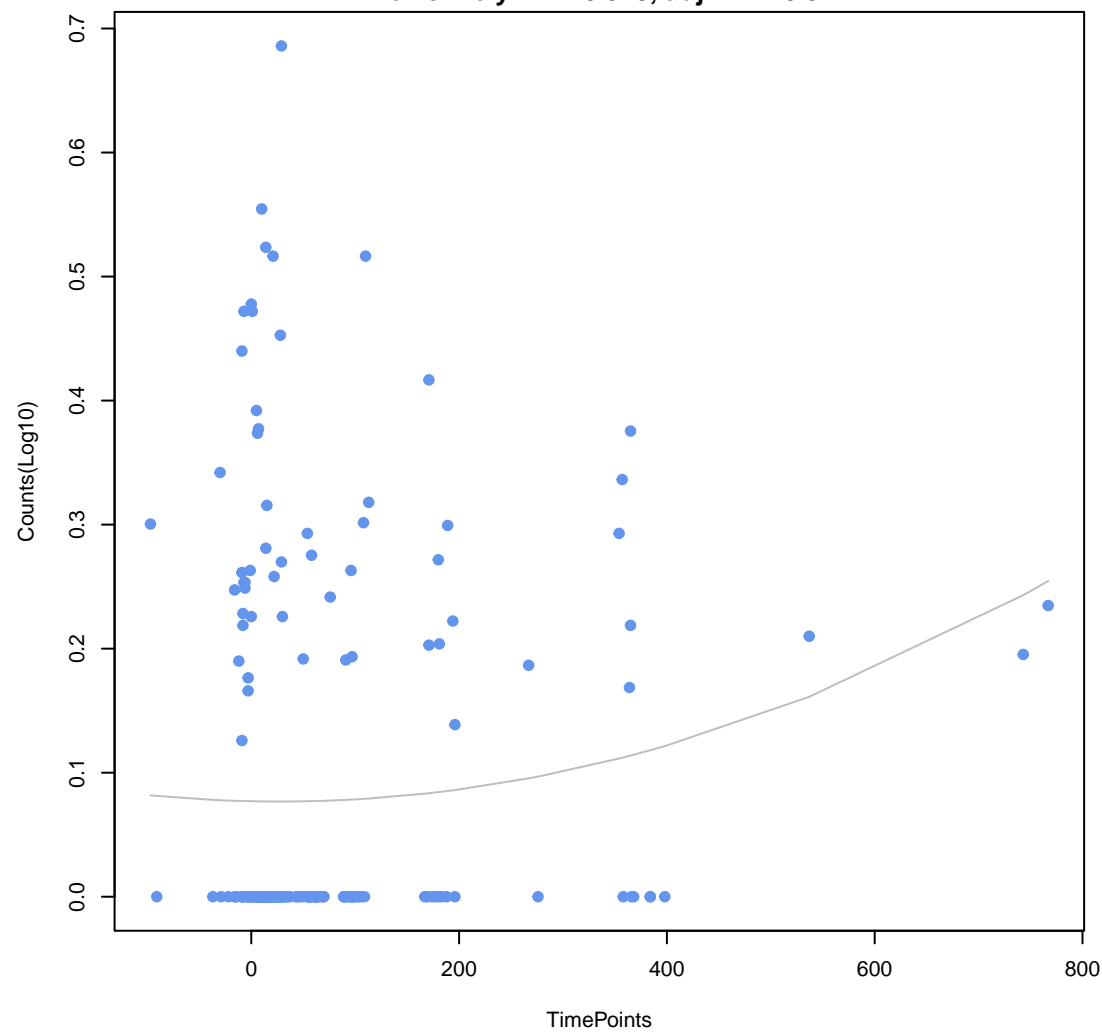
**eptA**

ANOVA P=0.337, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.346, adj. F-P=0.922



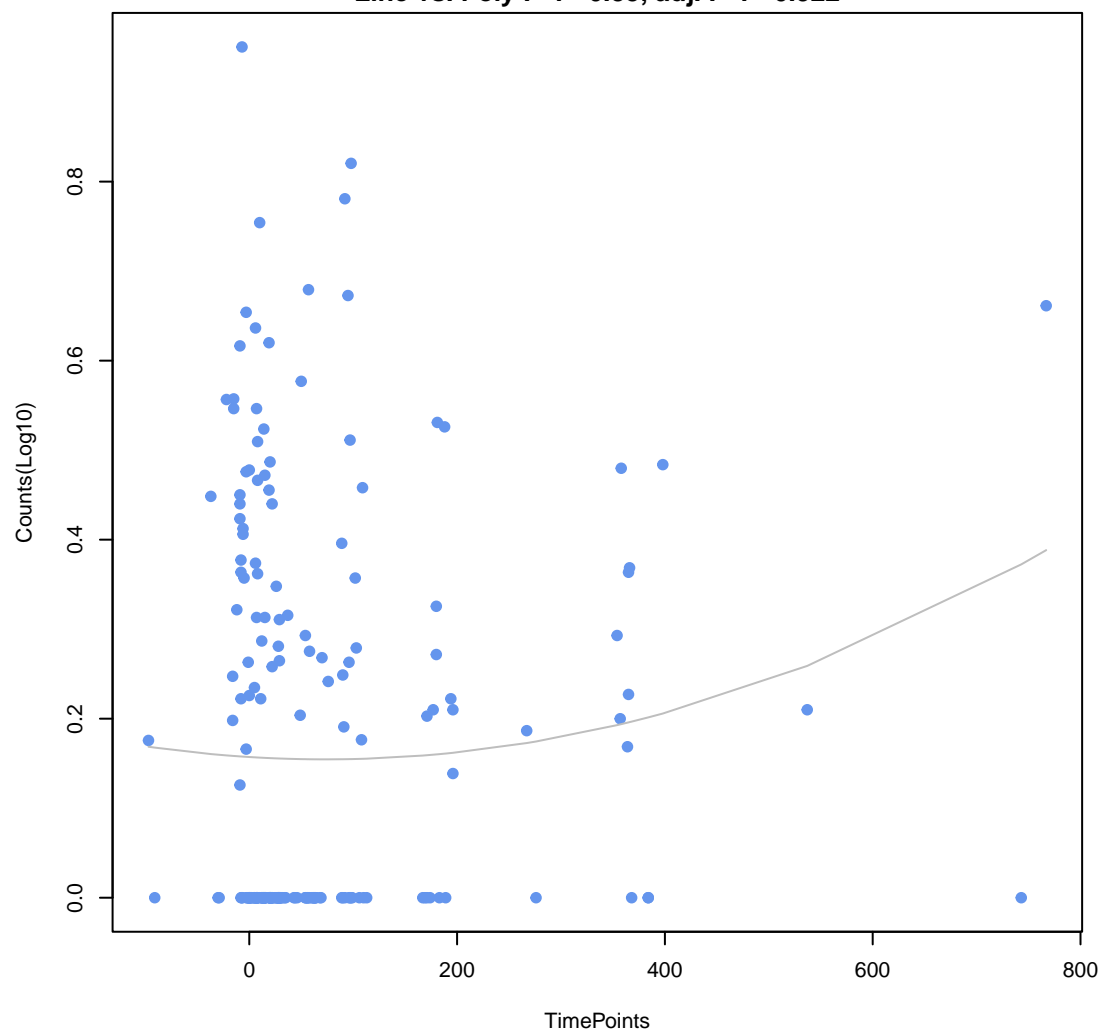
**Streptomyces rimosus otr(A)**

ANOVA P=0.163, adj. ANOVA-P=0.669  
Line vs. Poly F-P=0.348, adj. F-P=0.922



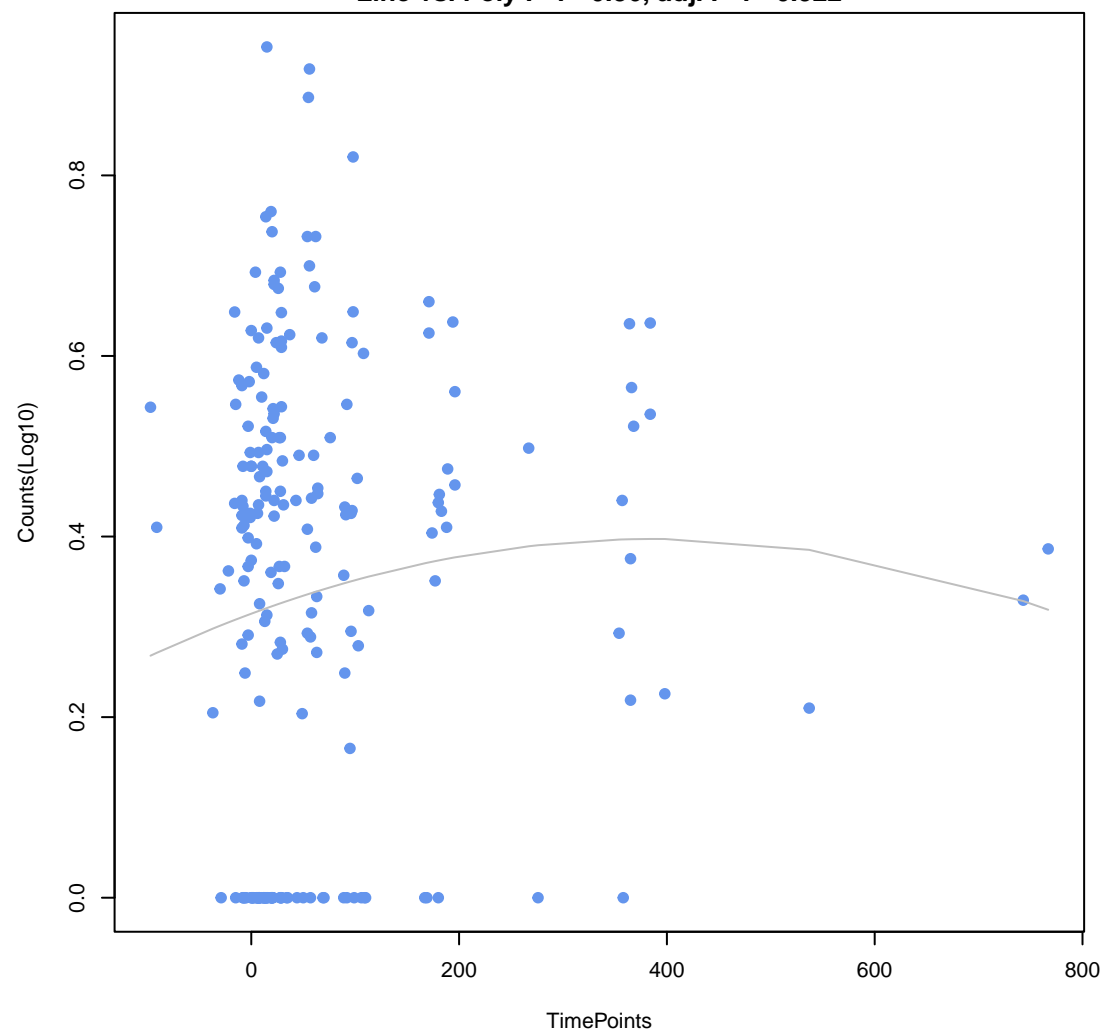
**APH(6)-lc**

ANOVA P=0.277, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.35, adj. F-P=0.922



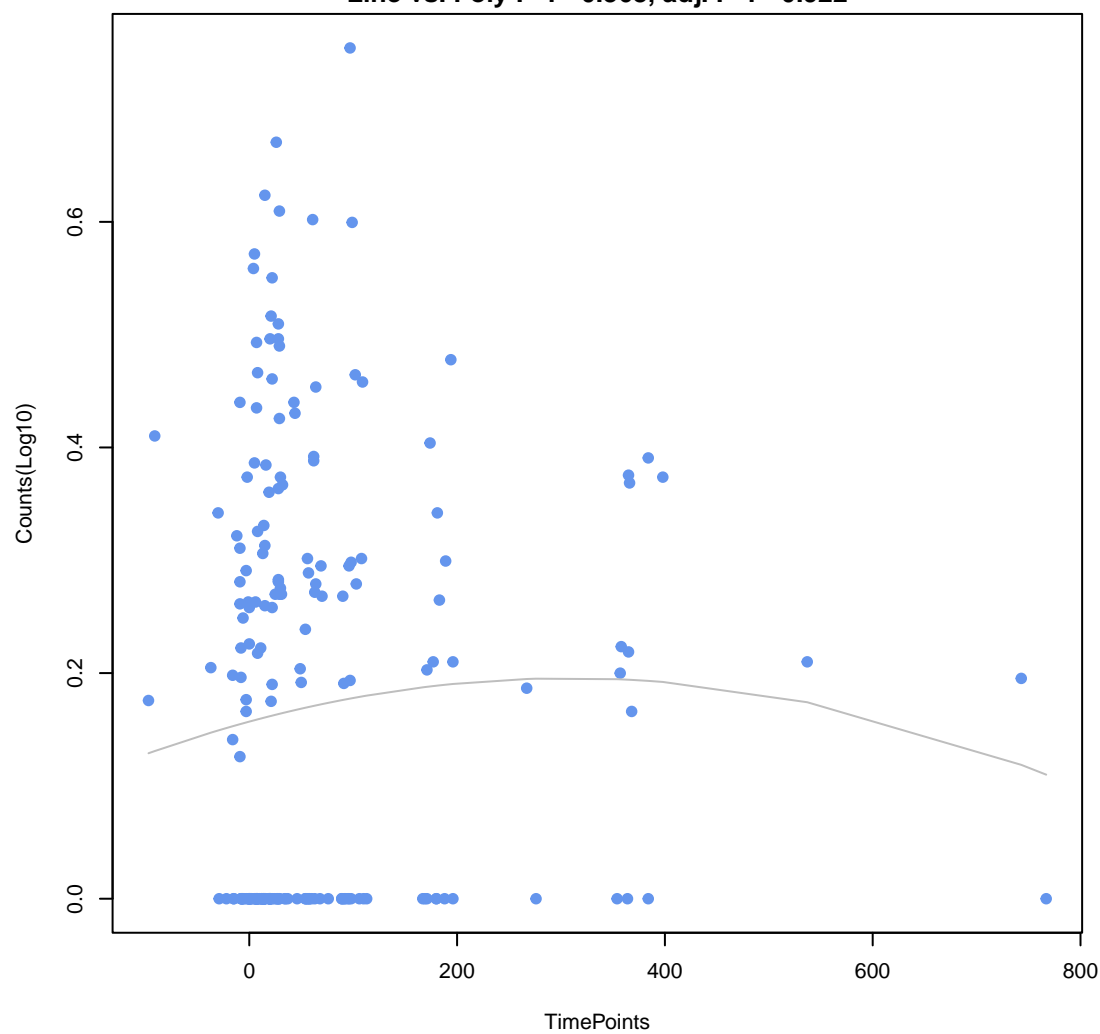
**acrD**

ANOVA P=0.37, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.36, adj. F-P=0.922



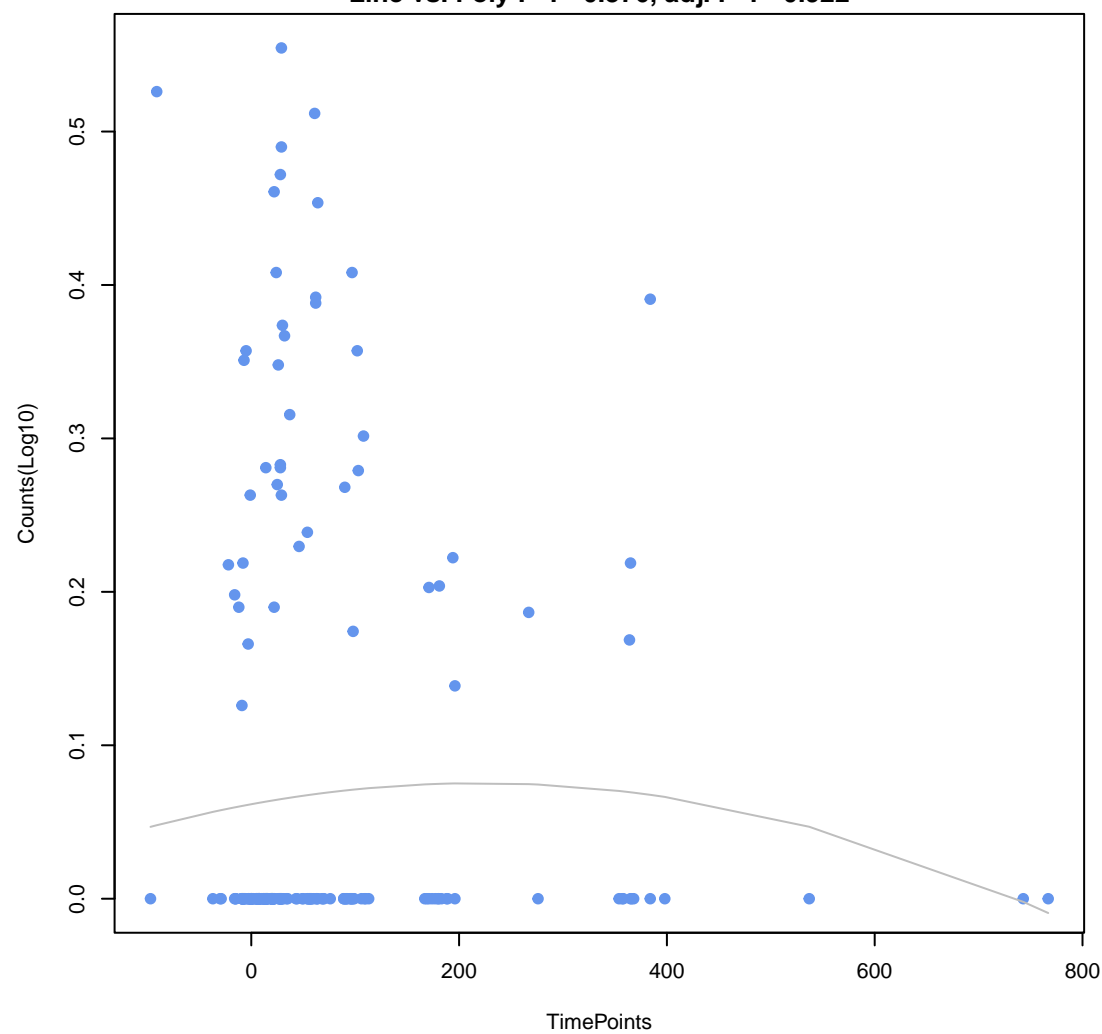
**Escherichia coli mdfA**

ANOVA P=0.599, adj. ANOVA-P=0.842  
Line vs. Poly F-P=0.368, adj. F-P=0.922



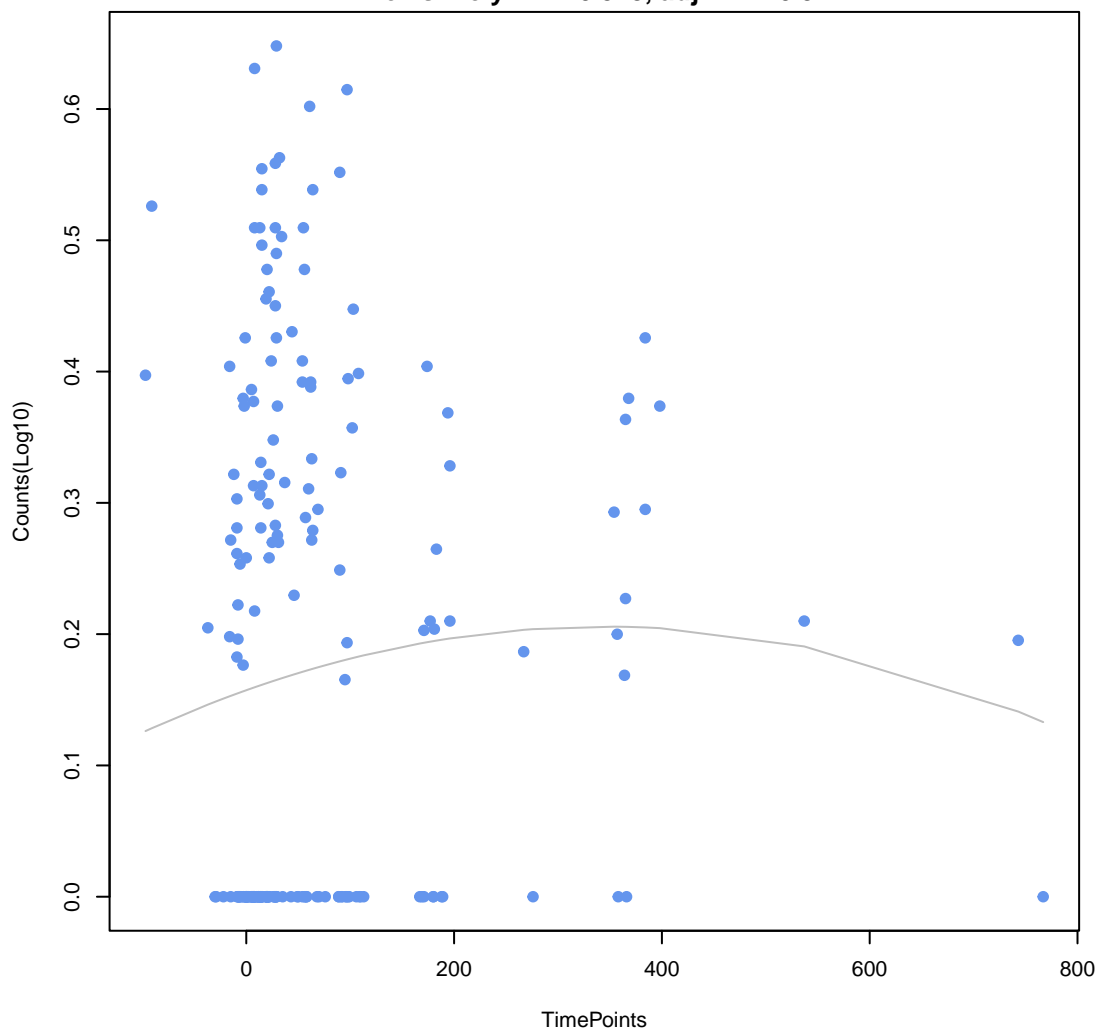
**Escherichia coli UhpT with mutation conferring resistance to fosfomycin**

ANOVA P=0.666, adj. ANOVA-P=0.869  
Line vs. Poly F-P=0.376, adj. F-P=0.922



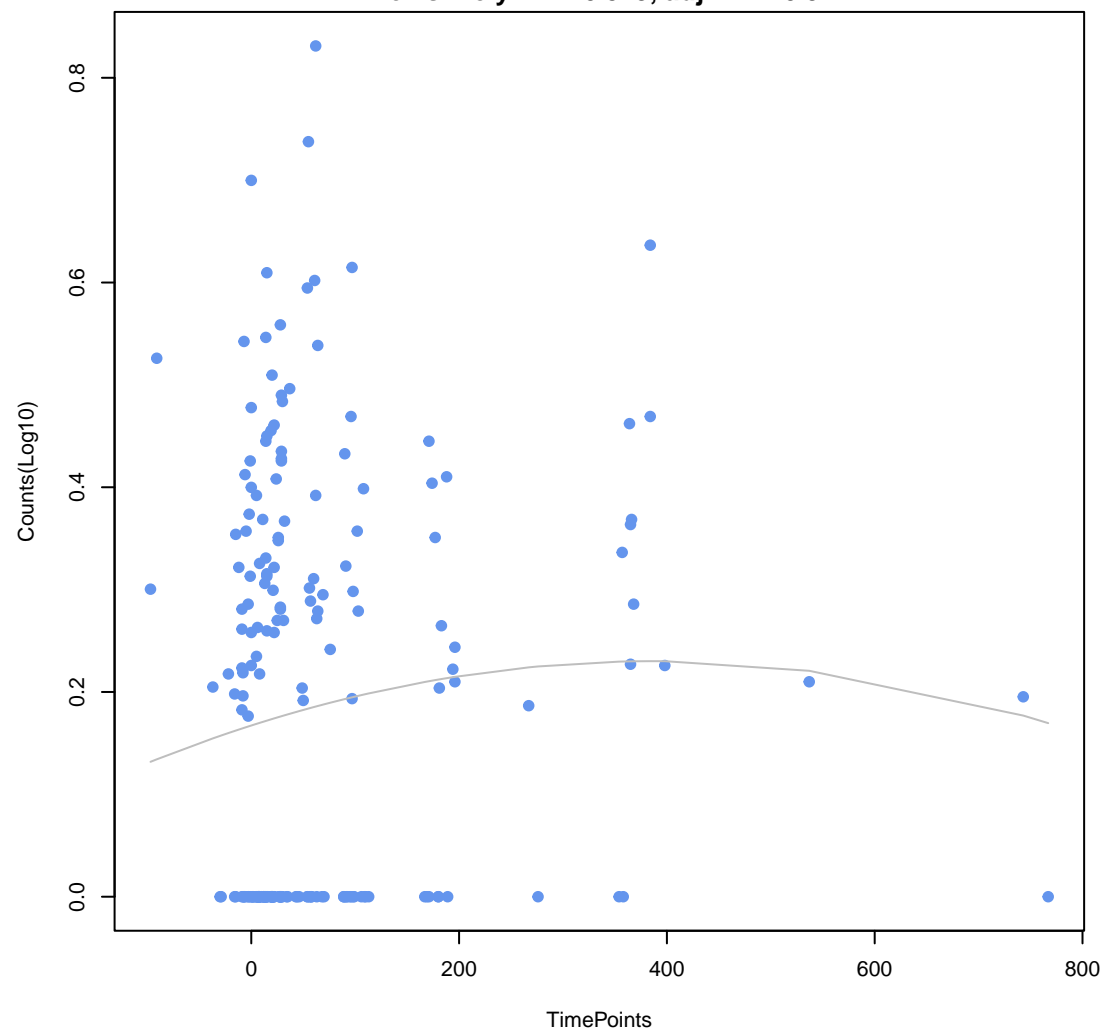
PmrF

ANOVA P=0.525, adj. ANOVA-P=0.842  
Line vs. Poly F-P=0.378, adj. F-P=0.922



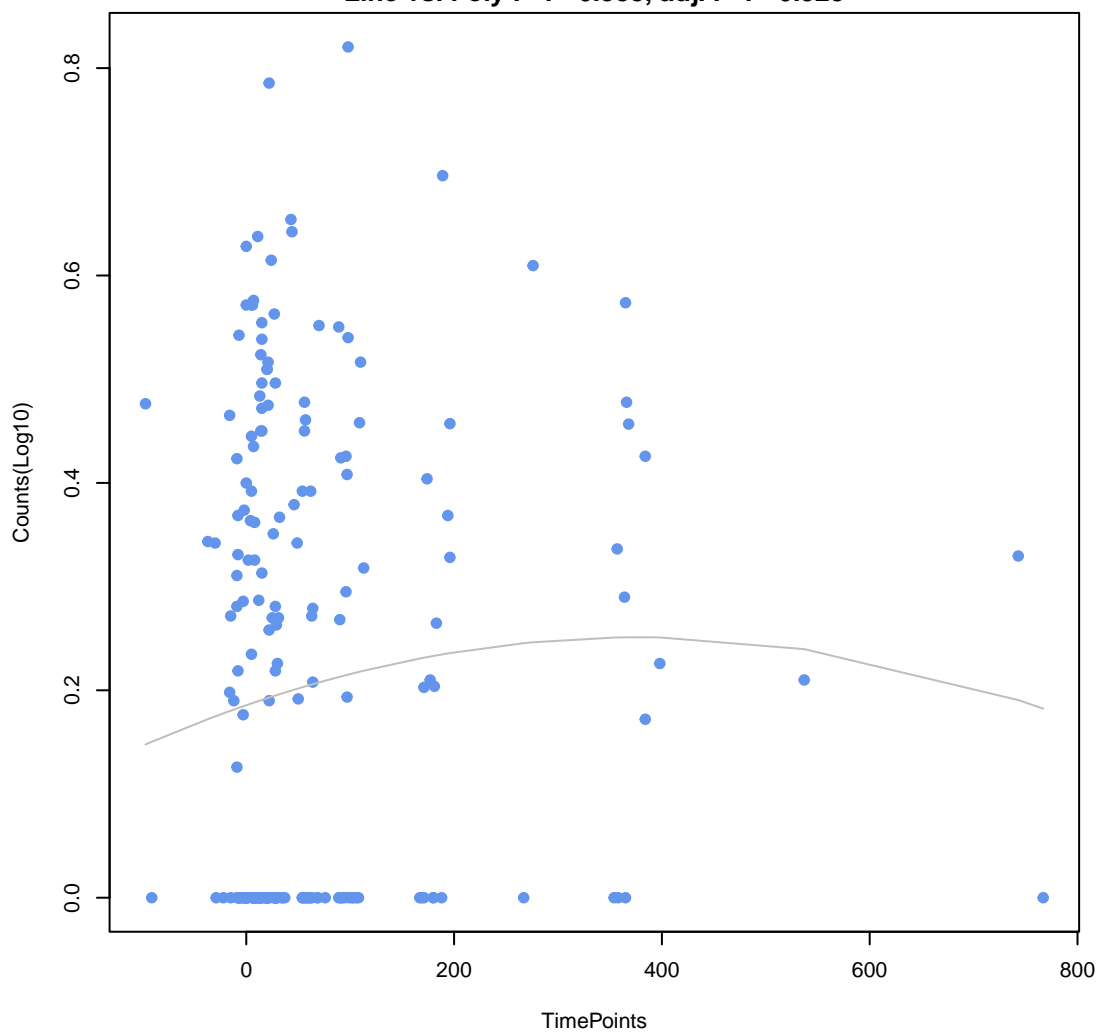
baeR

ANOVA P=0.405, adj. ANOVA-P=0.793  
Line vs. Poly F-P=0.379, adj. F-P=0.922



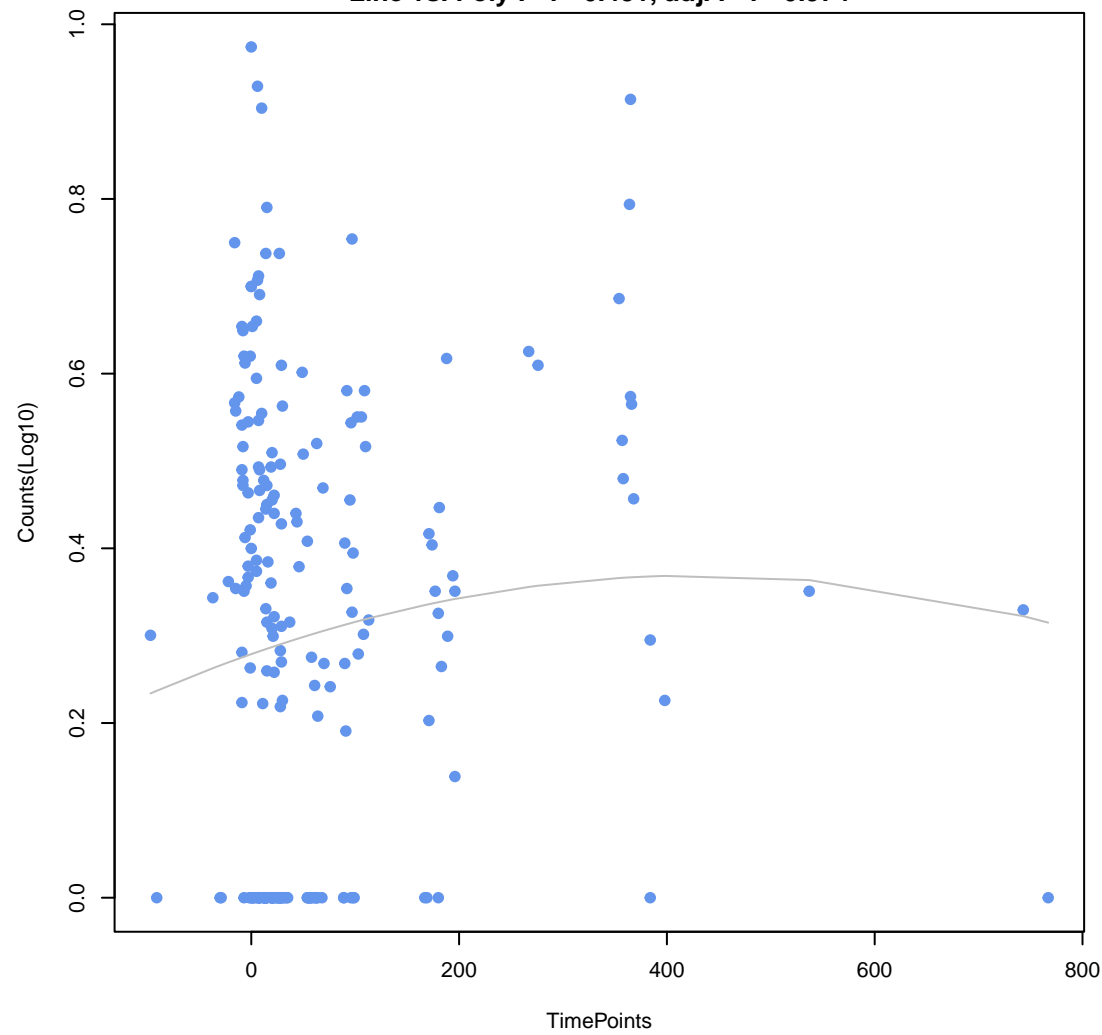
mdtO

ANOVA P=0.443, adj. ANOVA-P=0.799  
Line vs. Poly F-P=0.388, adj. F-P=0.923



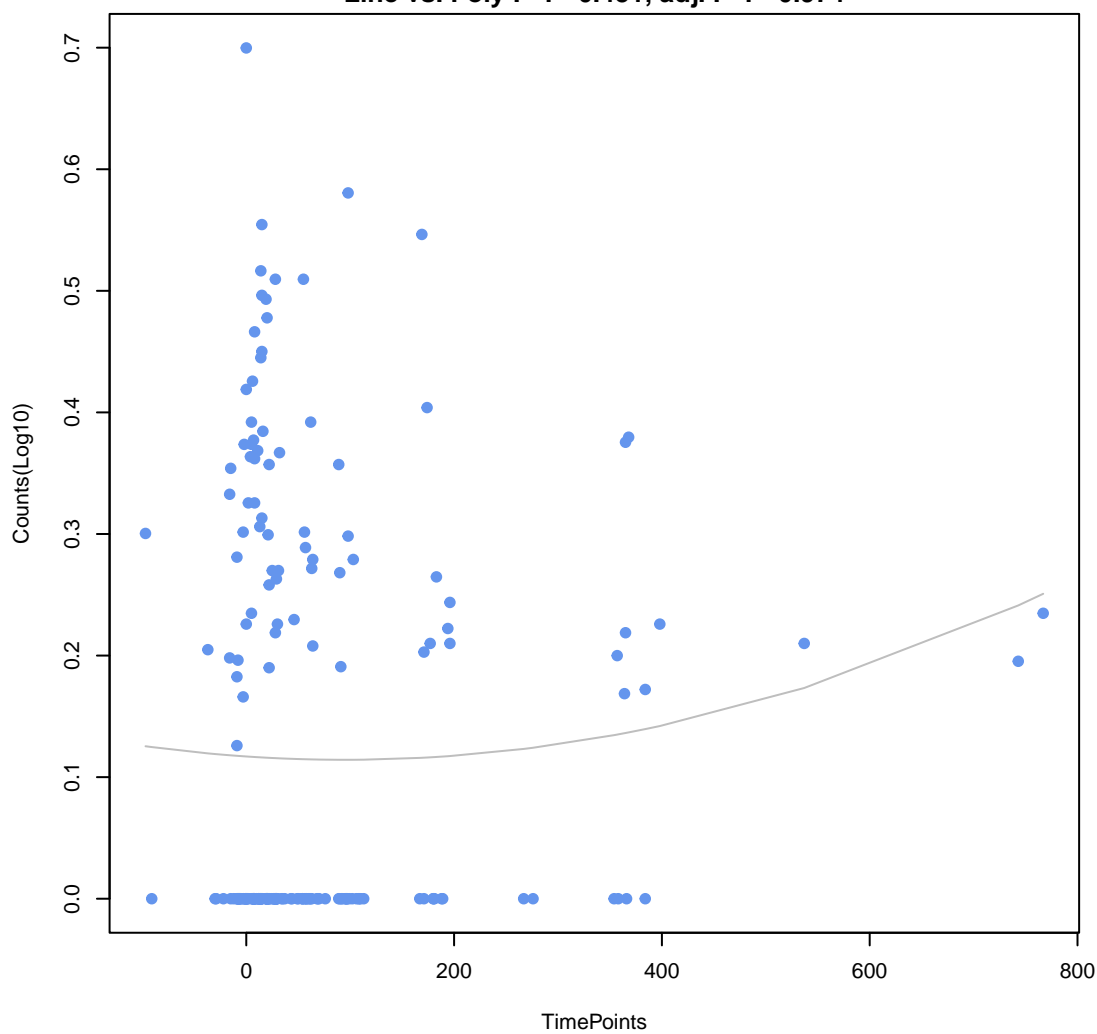
BlaB-38

ANOVA P=0.357, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.431, adj. F-P=0.974



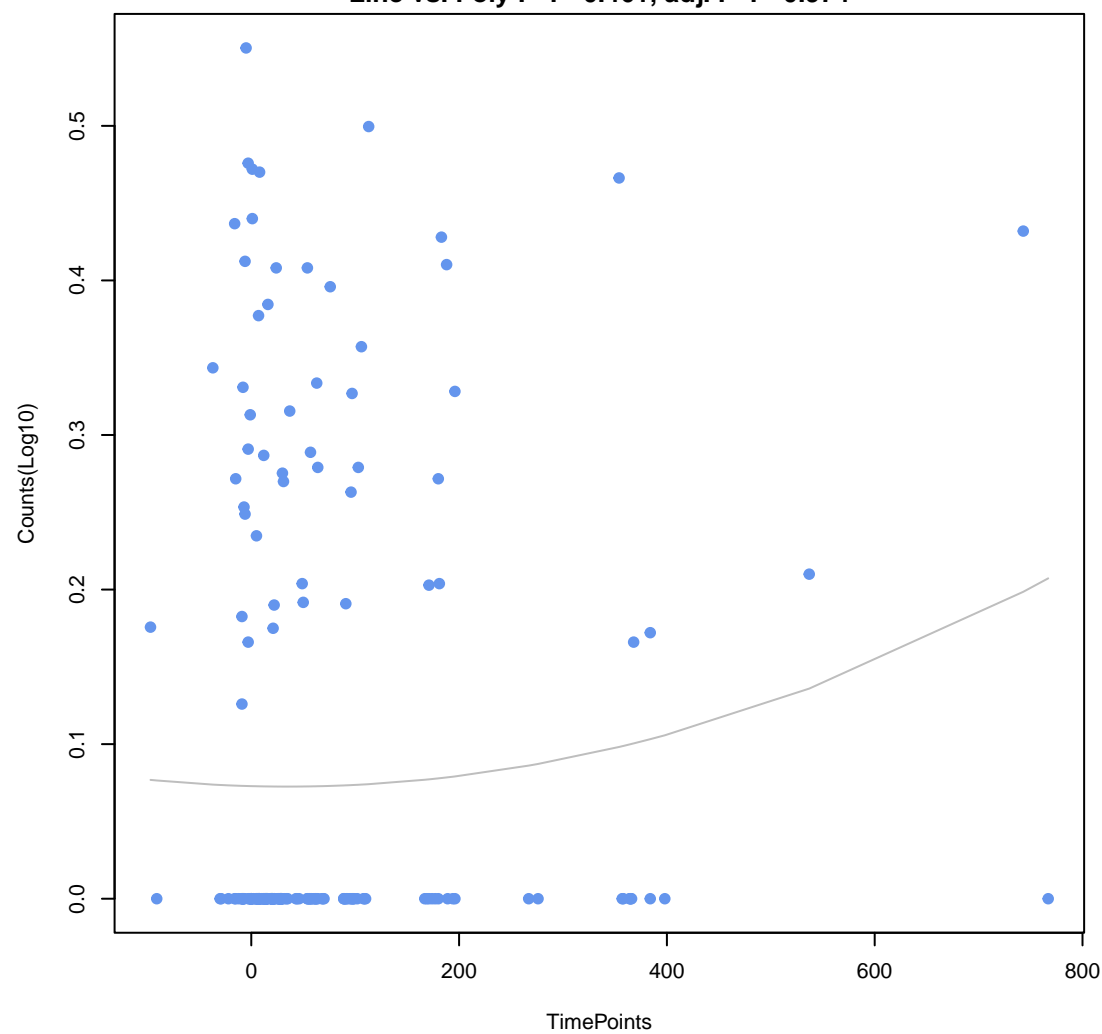
mdtE

ANOVA P=0.493, adj. ANOVA-P=0.825  
Line vs. Poly F-P=0.451, adj. F-P=0.974

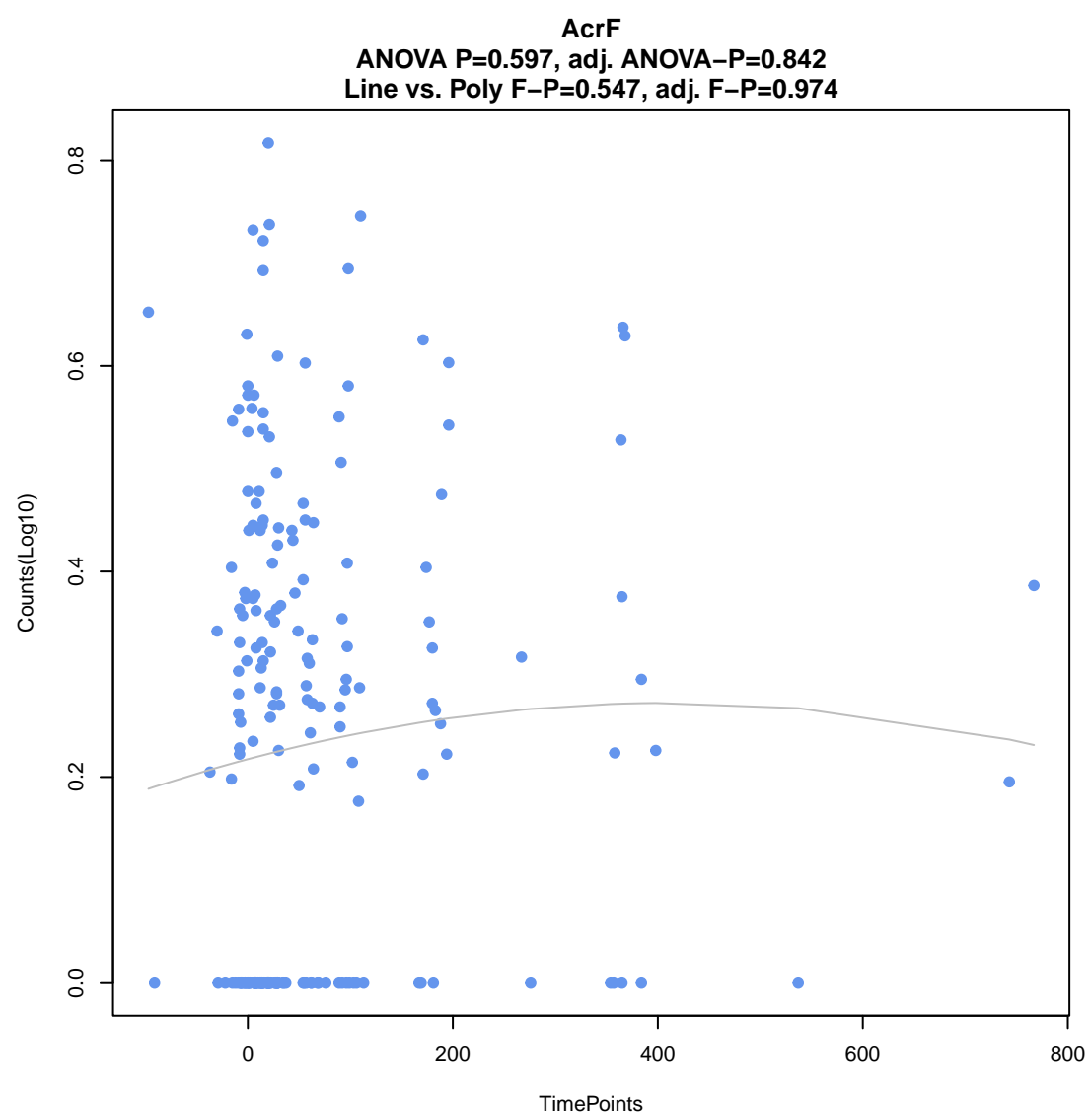
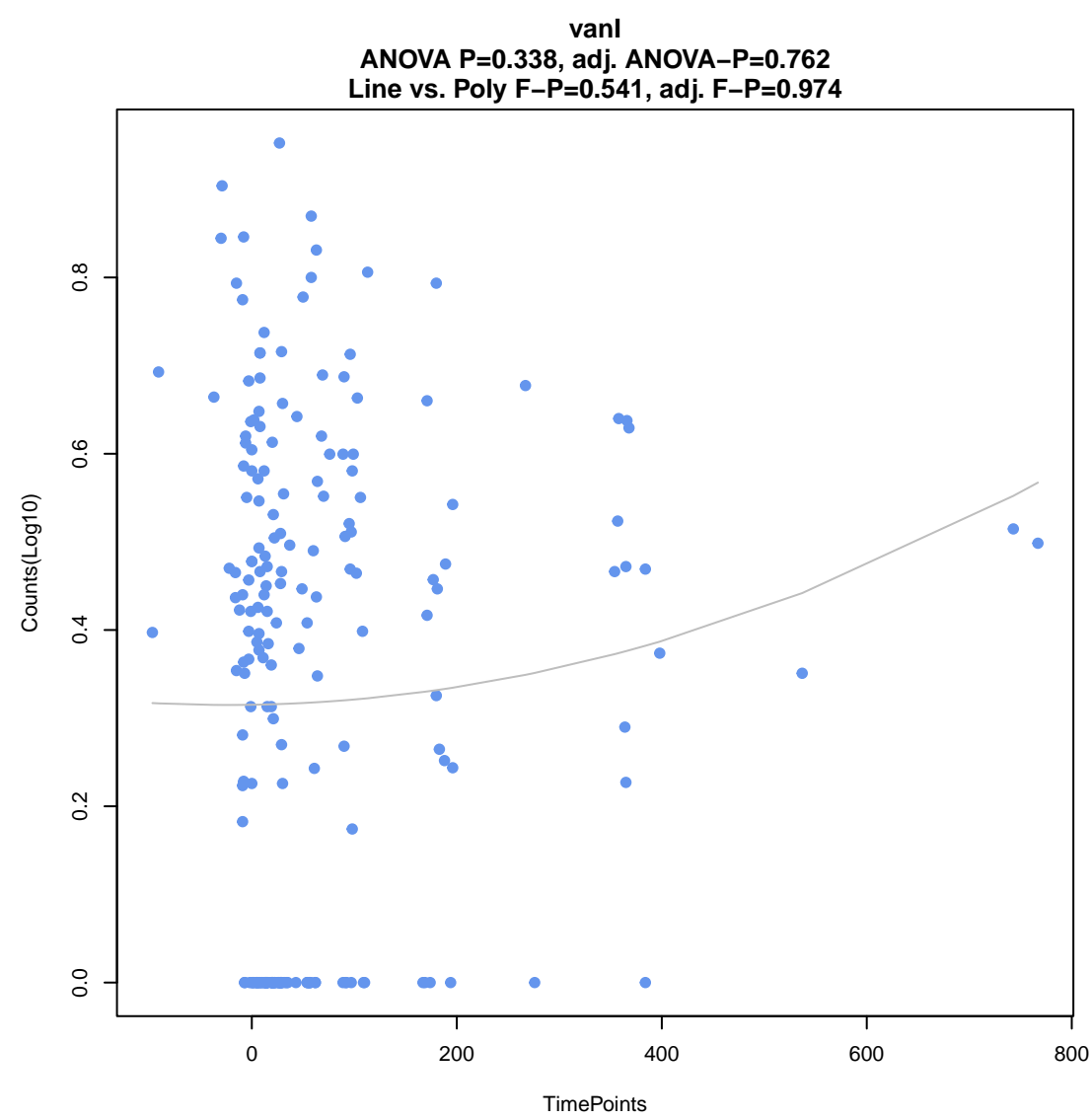
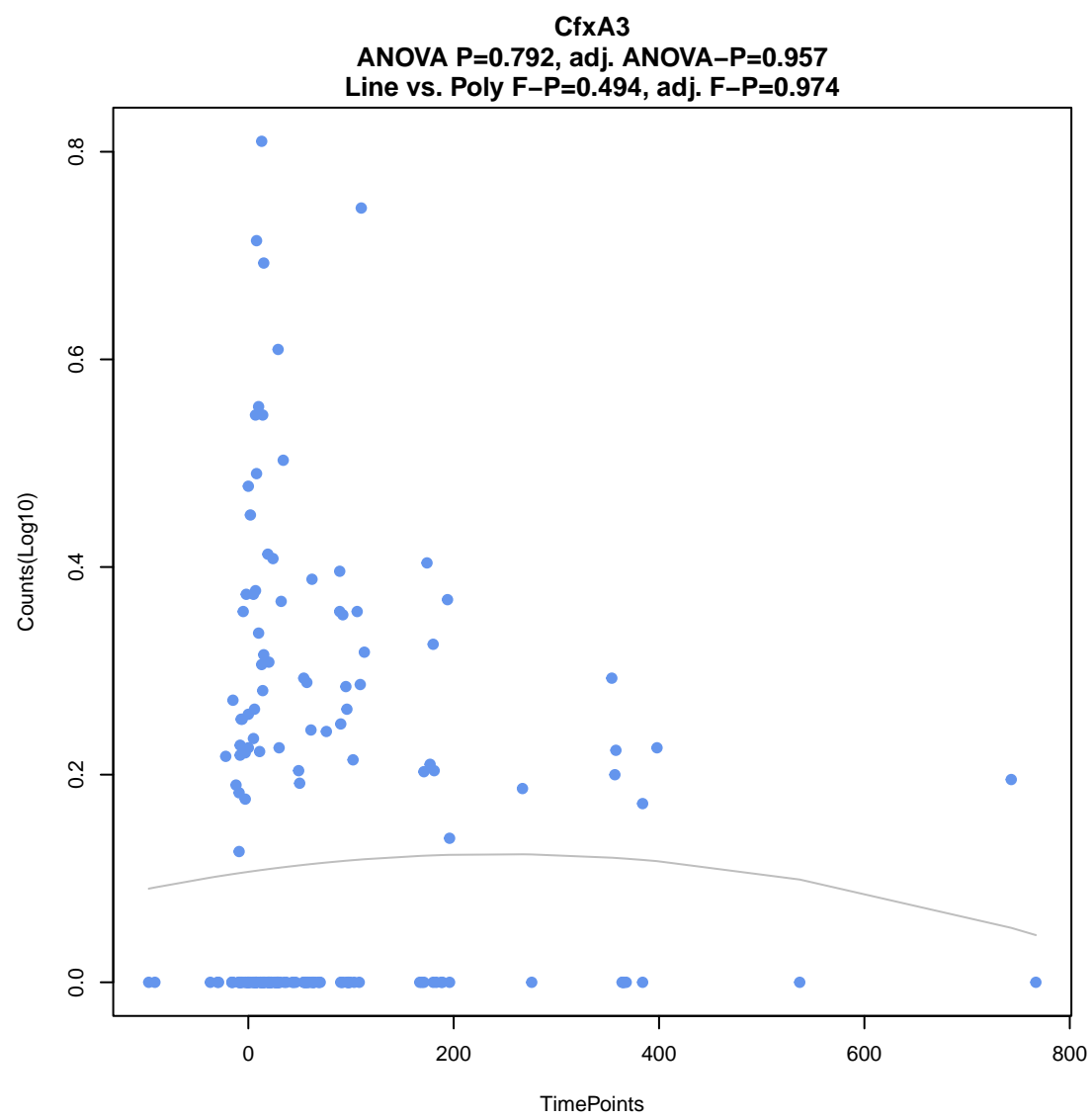
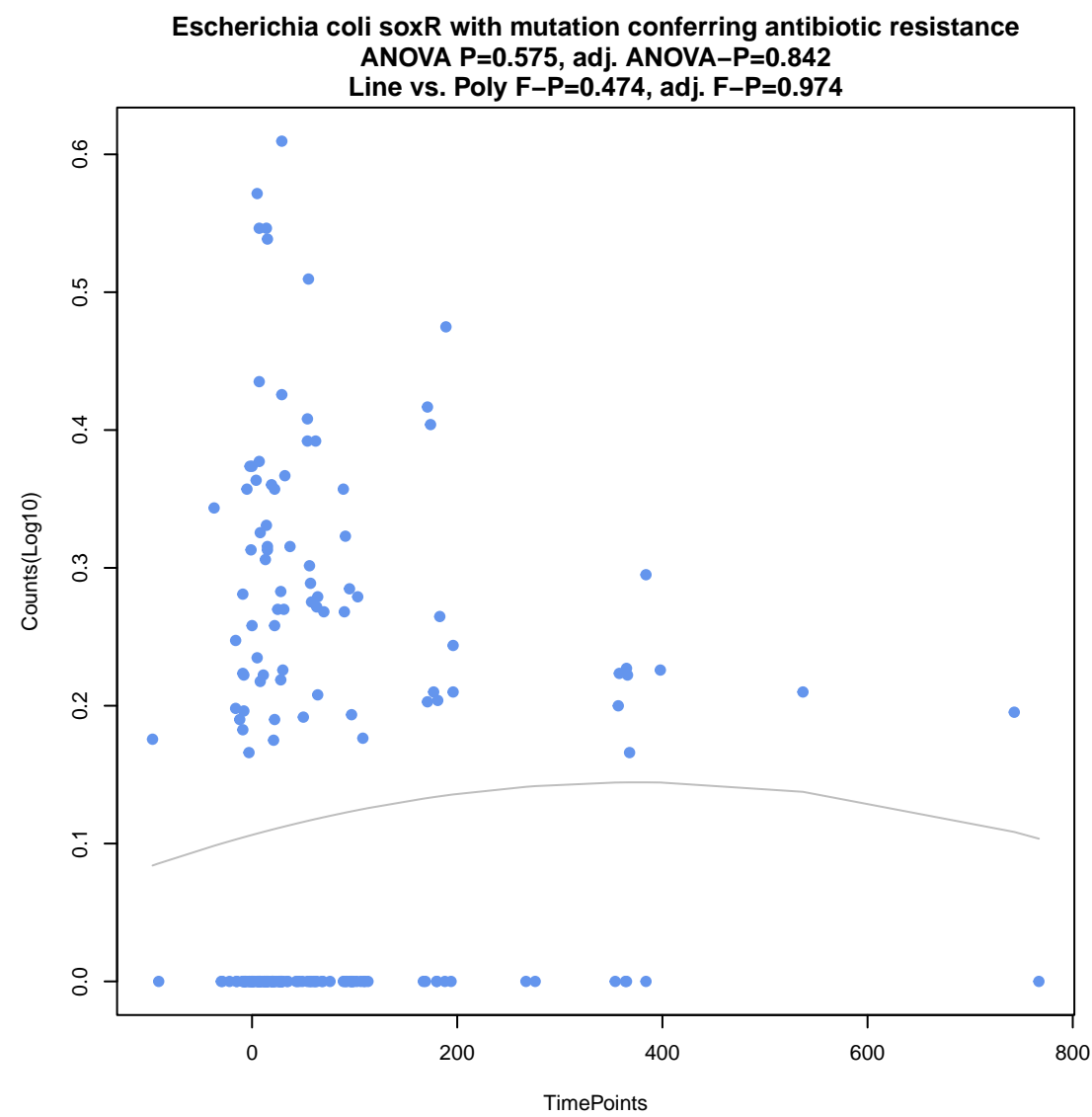
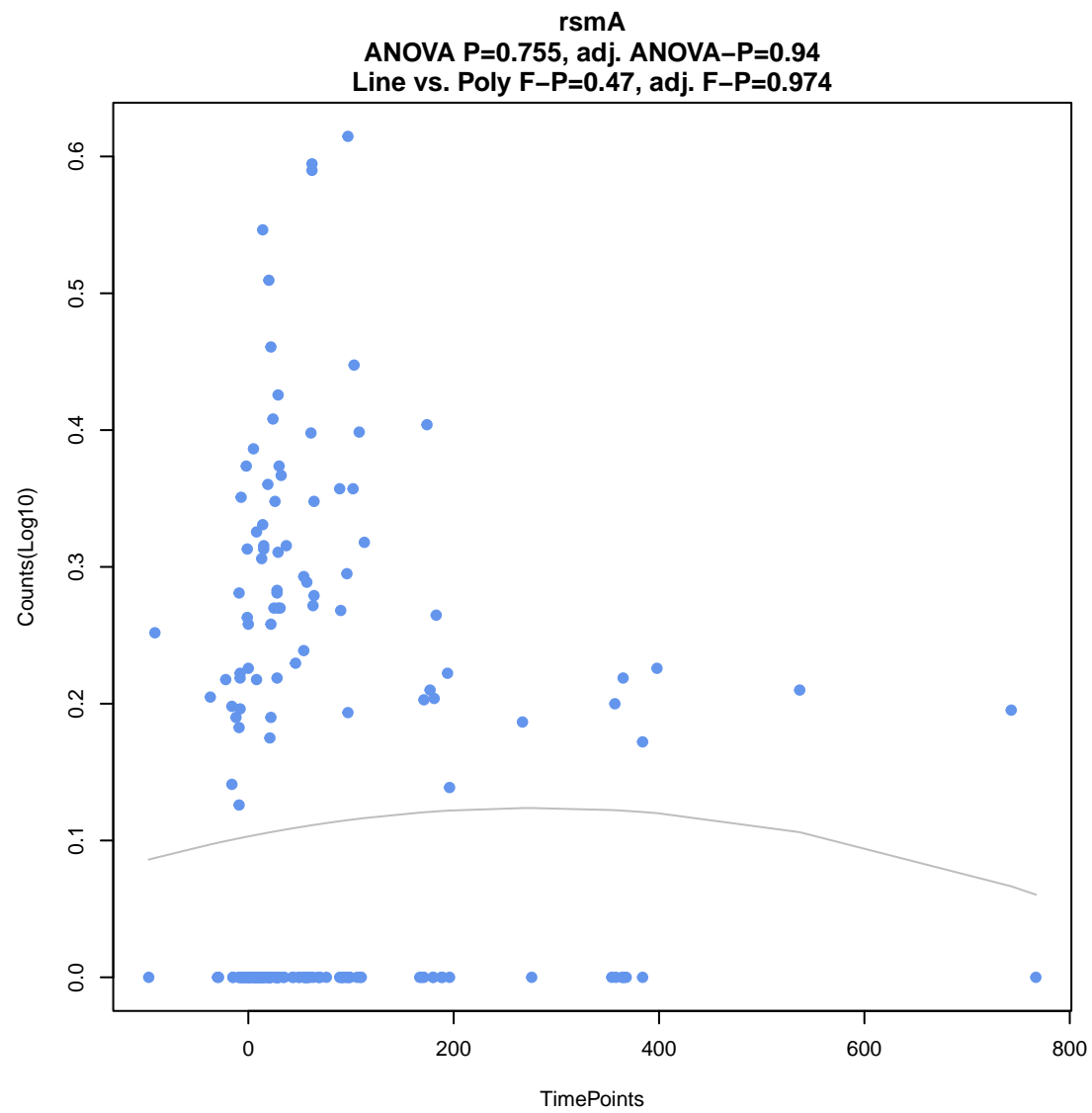
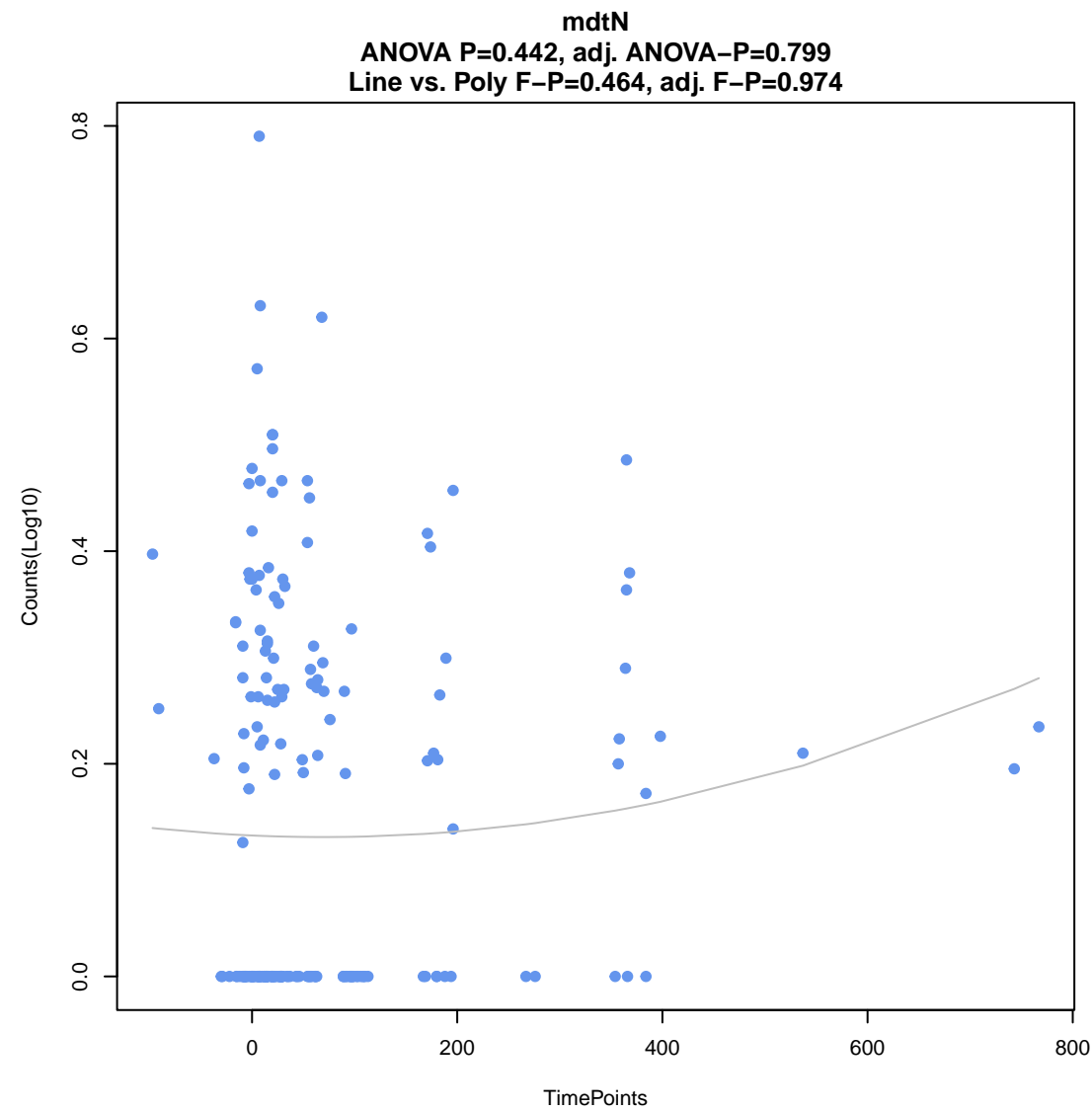


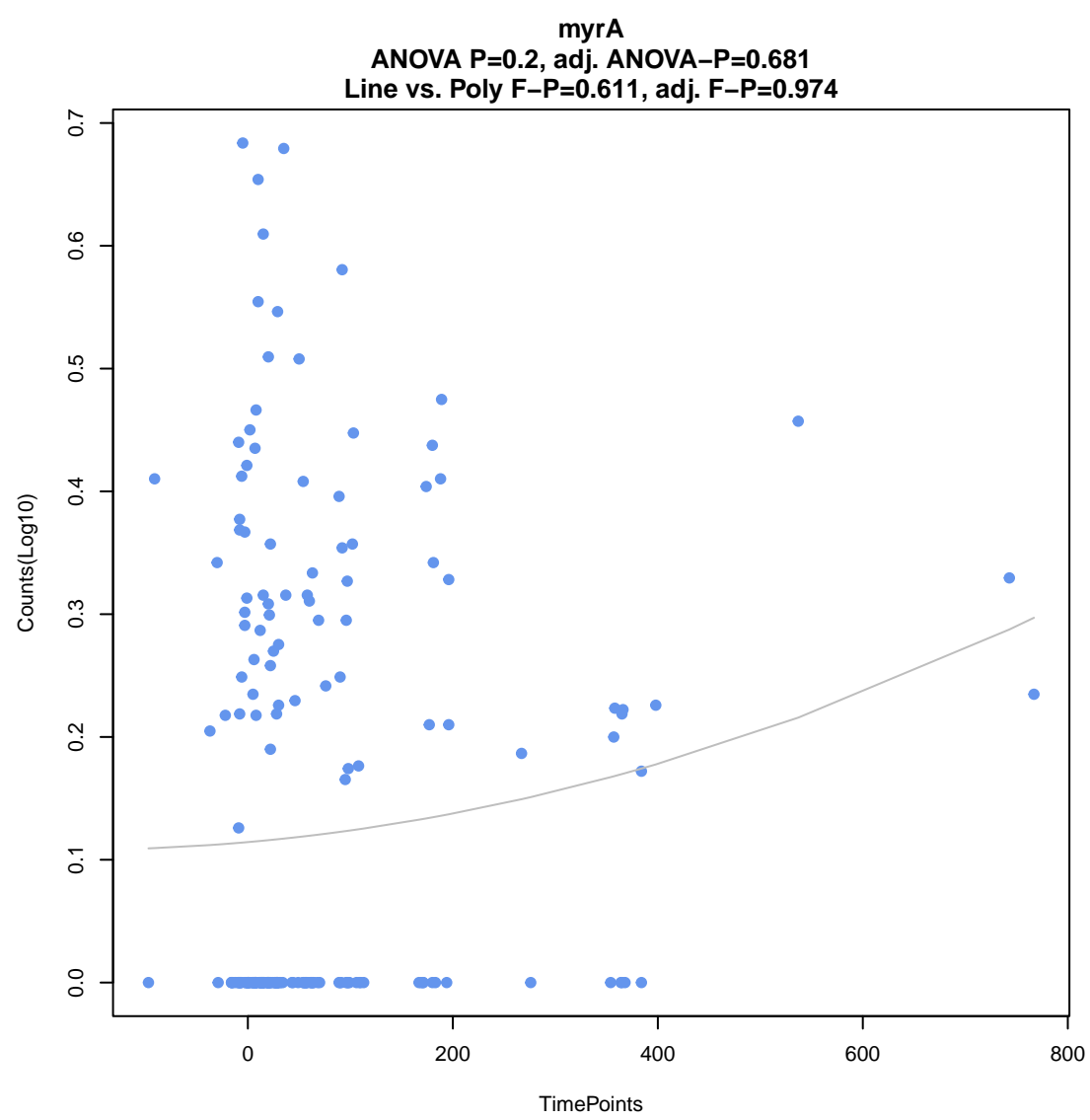
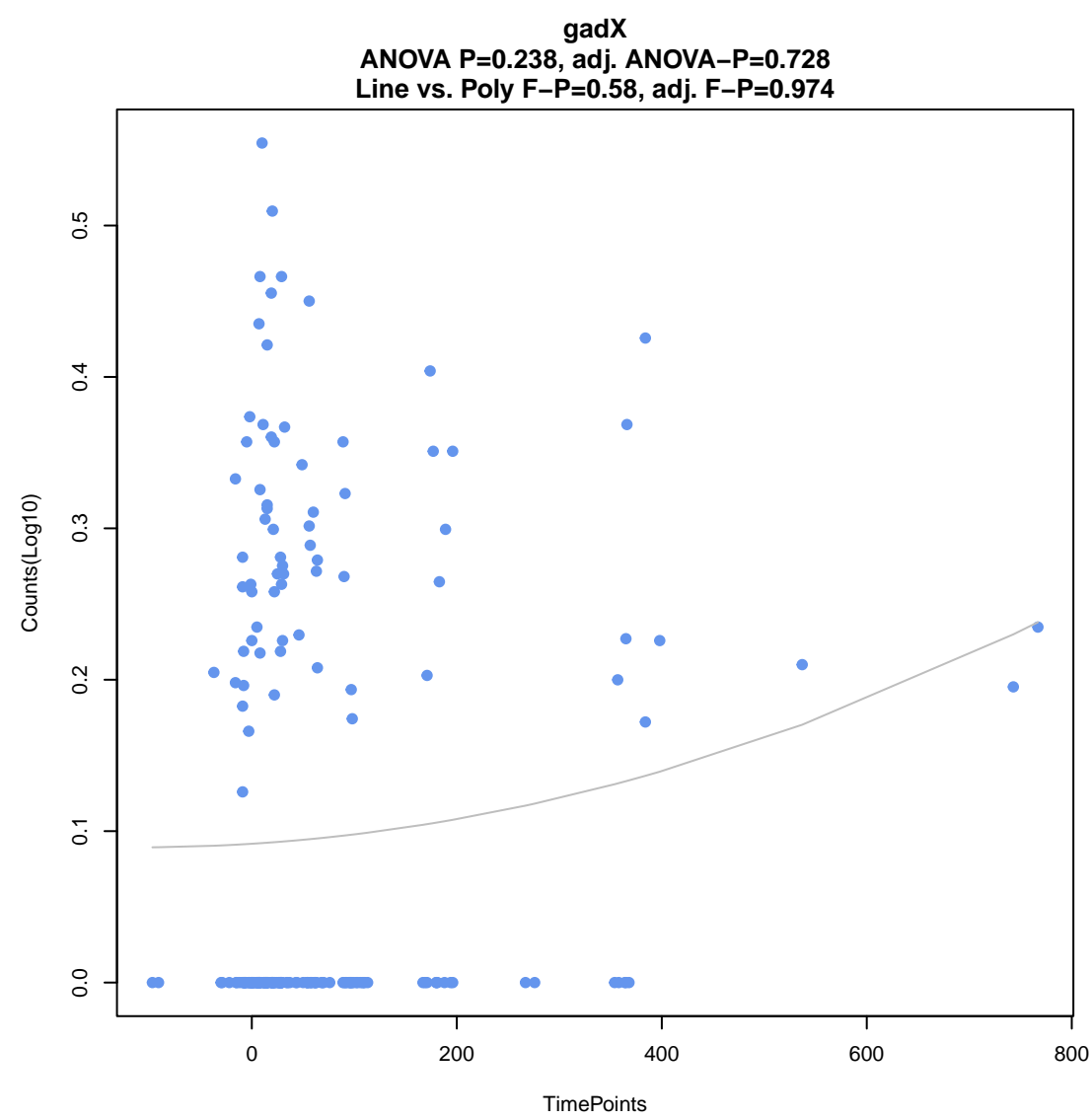
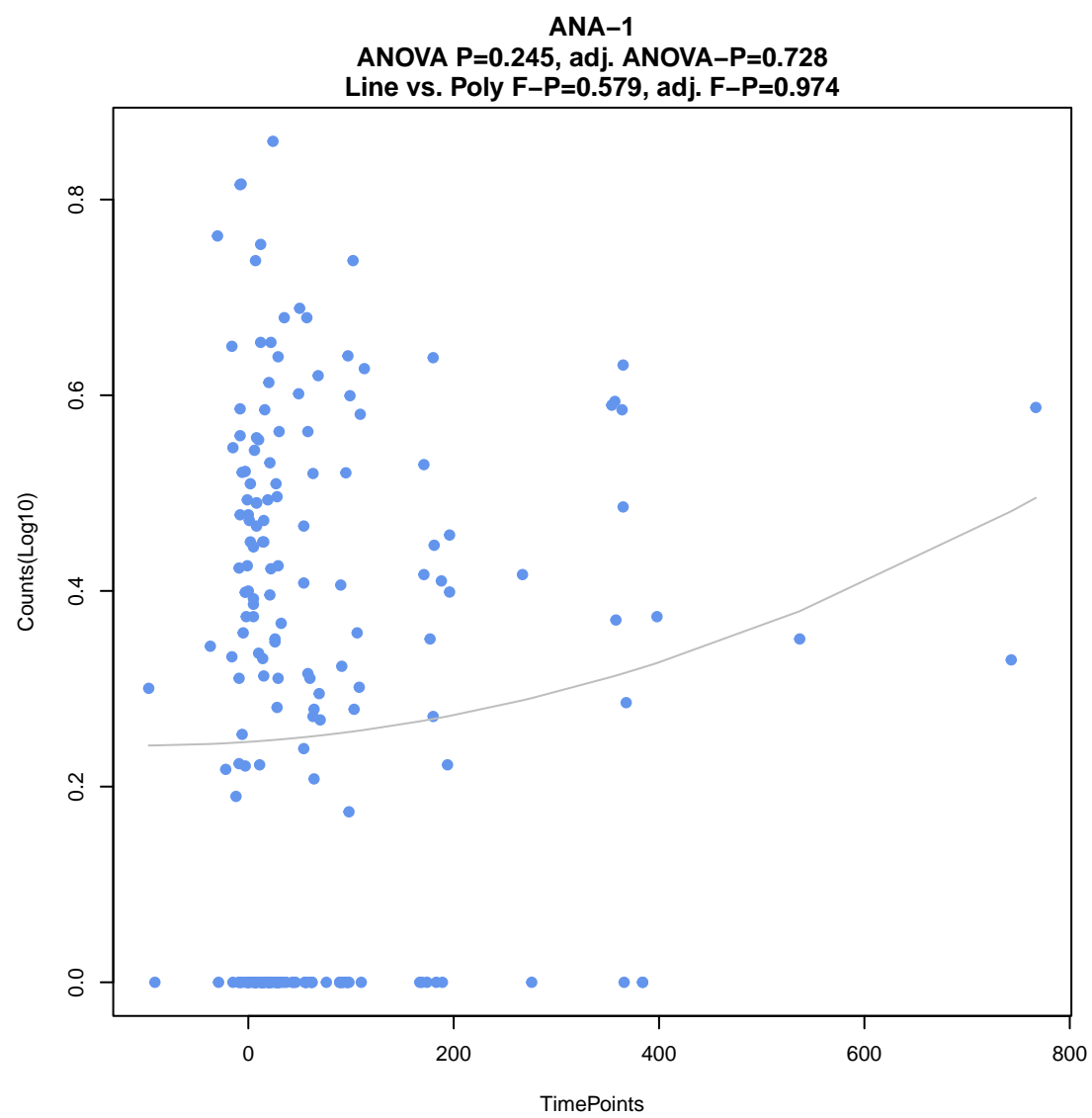
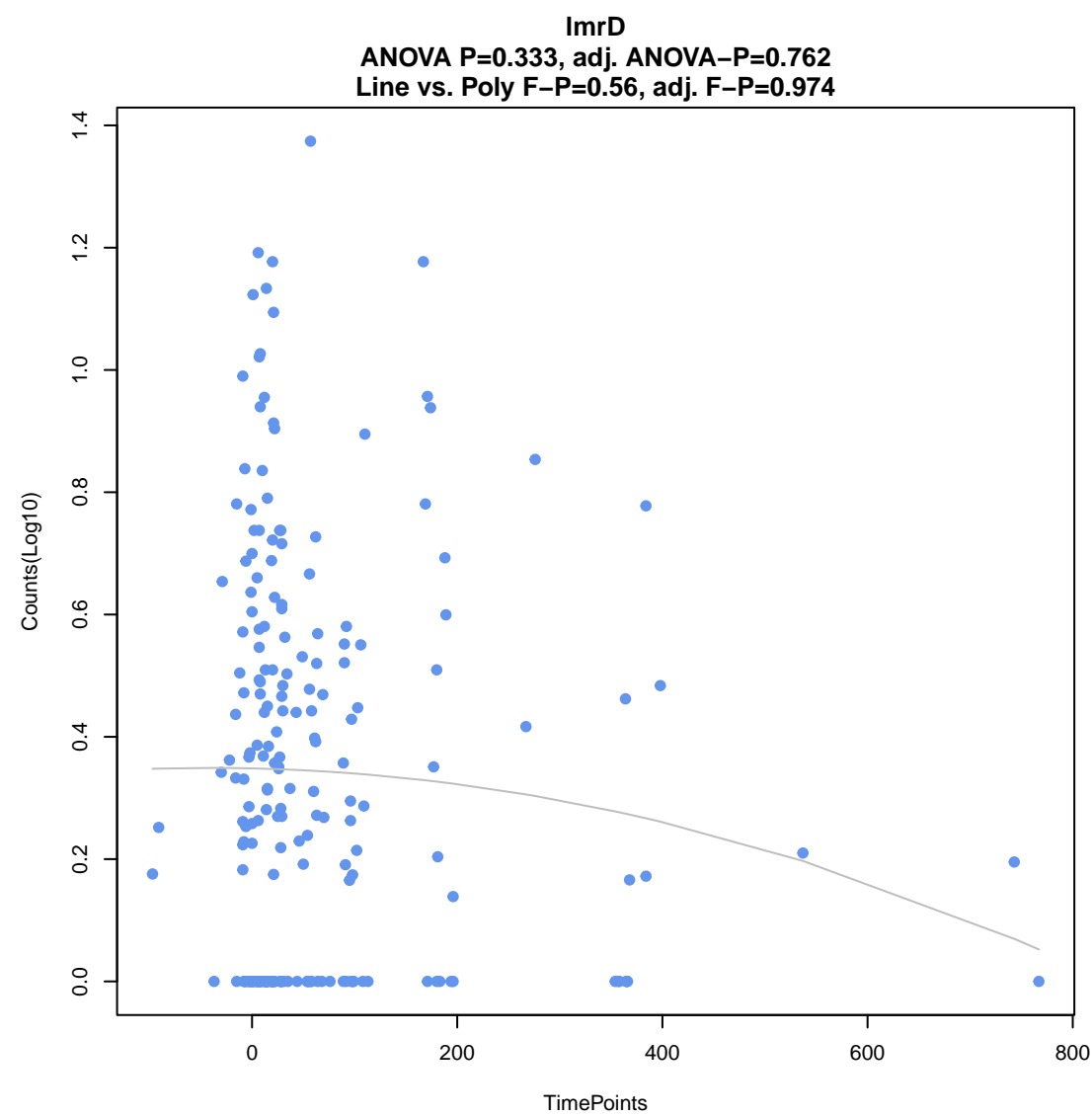
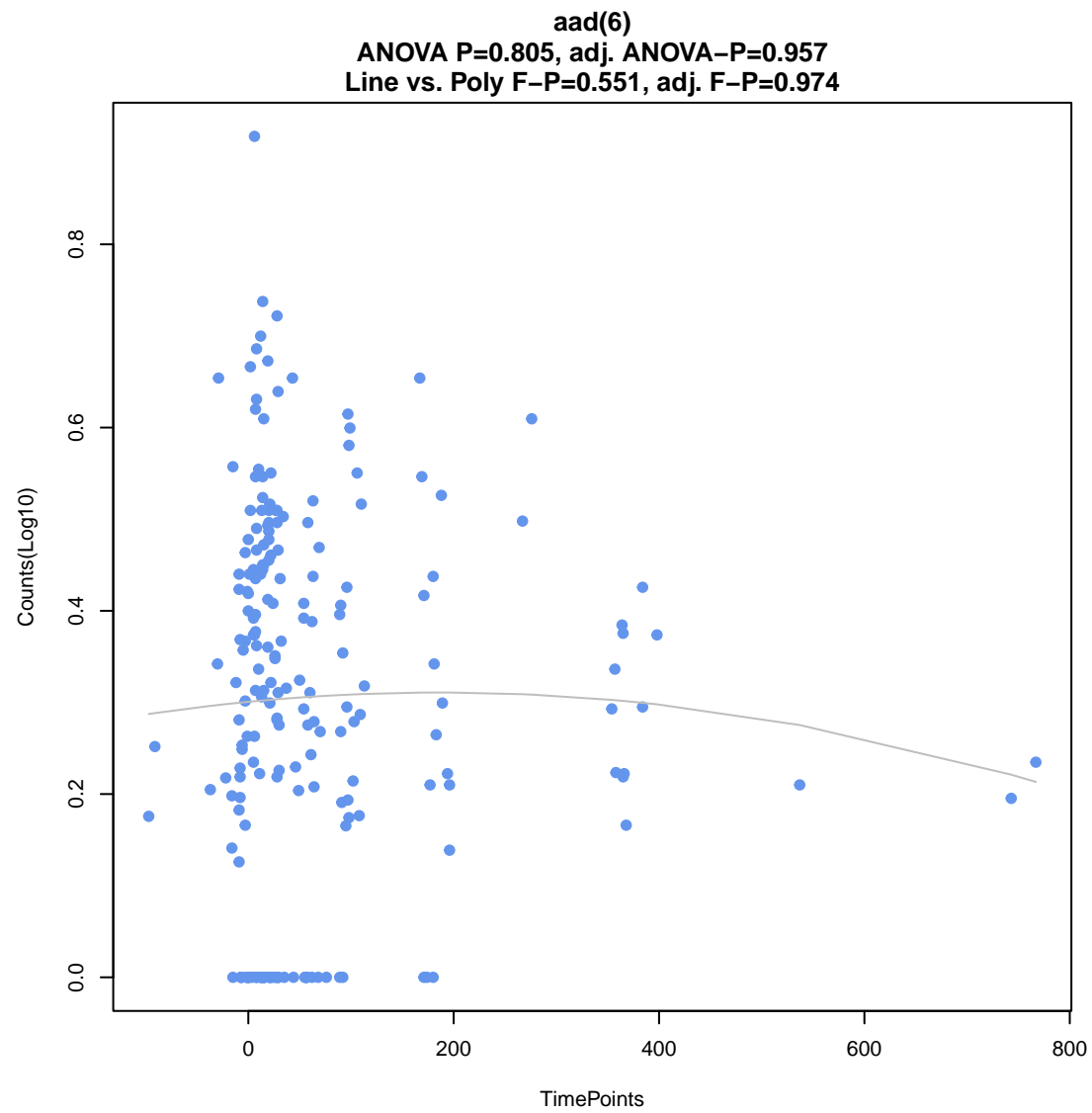
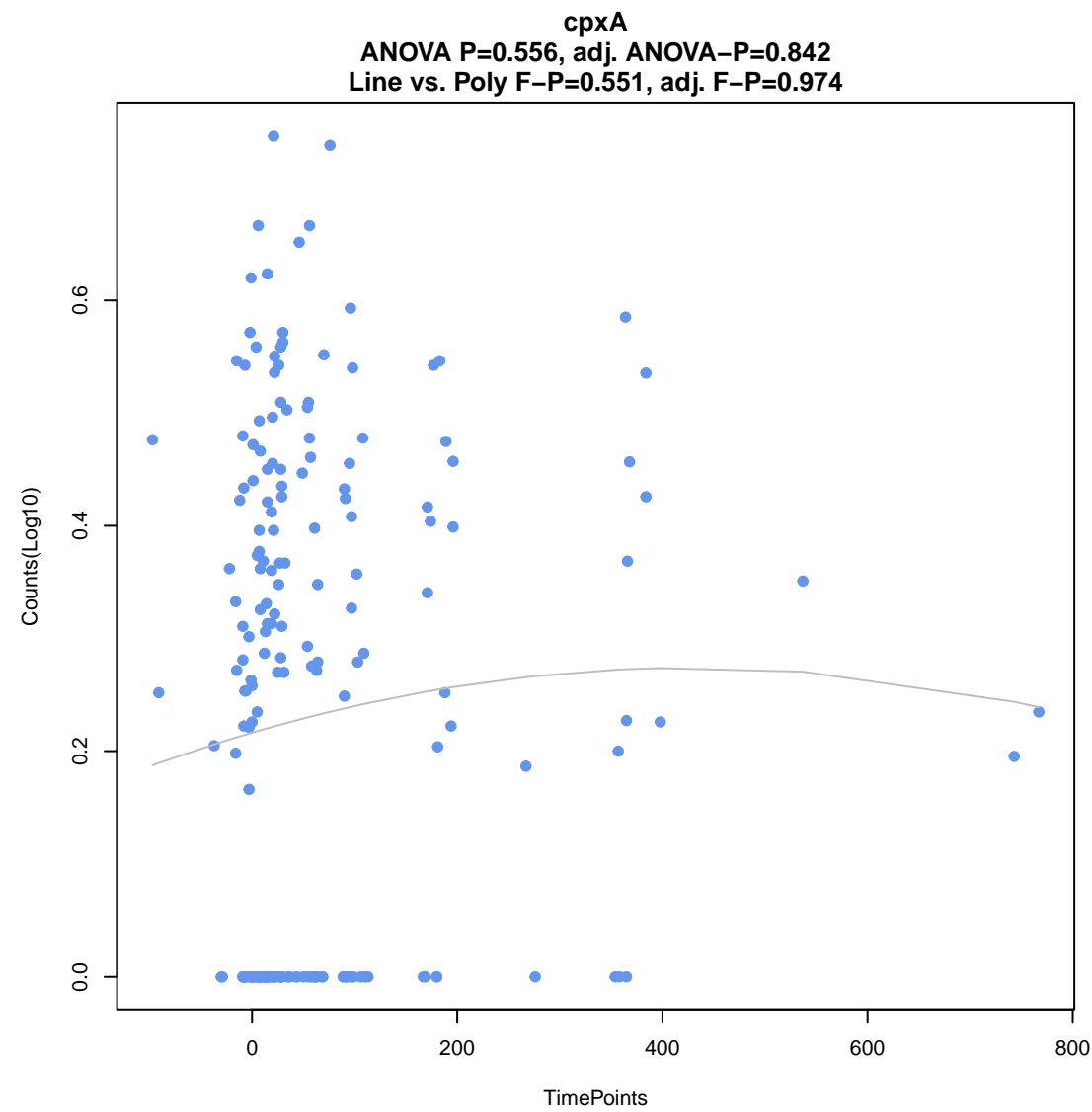
SHV-43

ANOVA P=0.342, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.461, adj. F-P=0.974





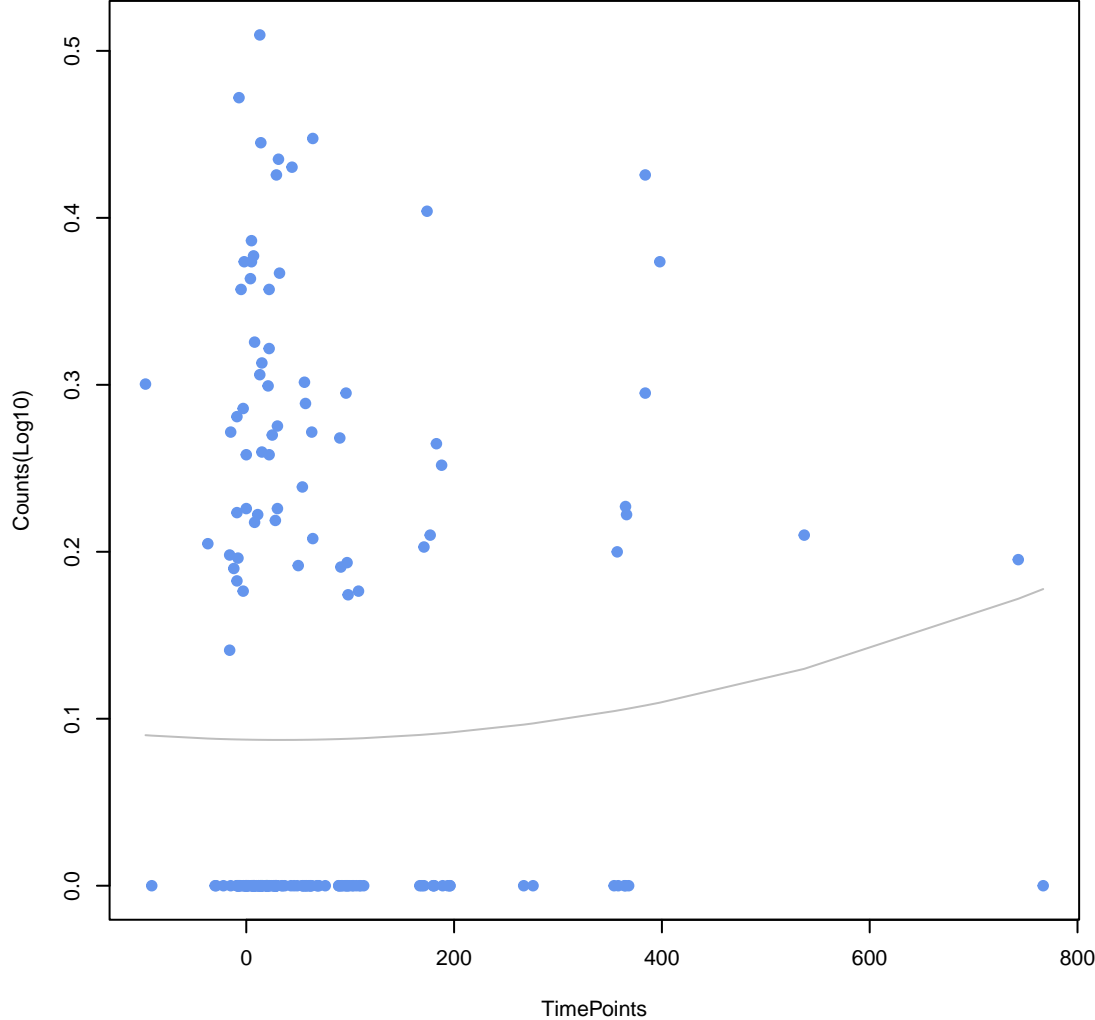




chia coli AcrAB-ToIC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline

ANOVA P=0.606, adj. ANOVA-P=0.842

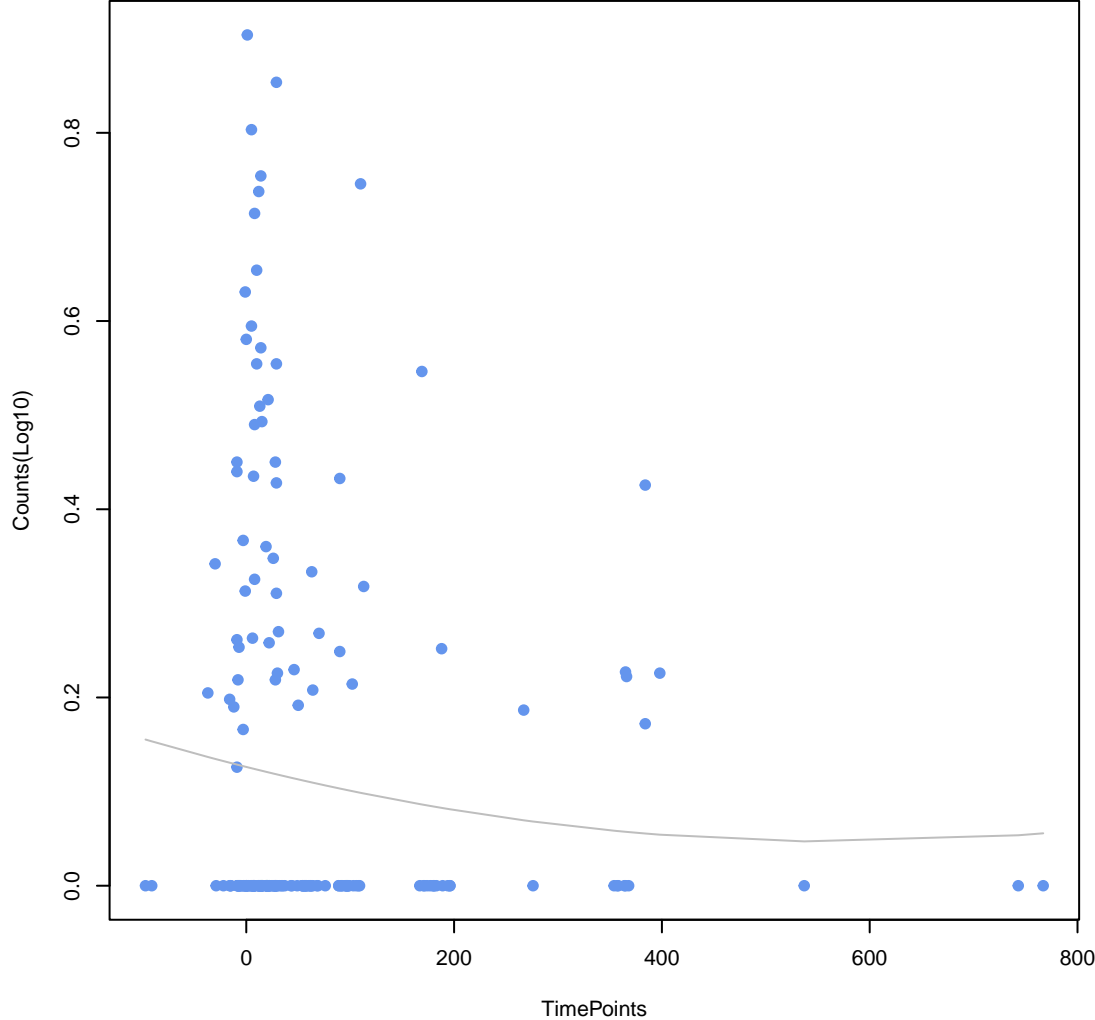
Line vs. Poly F-P=0.616, adj. F-P=0.974



pmrA

ANOVA P=0.37, adj. ANOVA-P=0.762

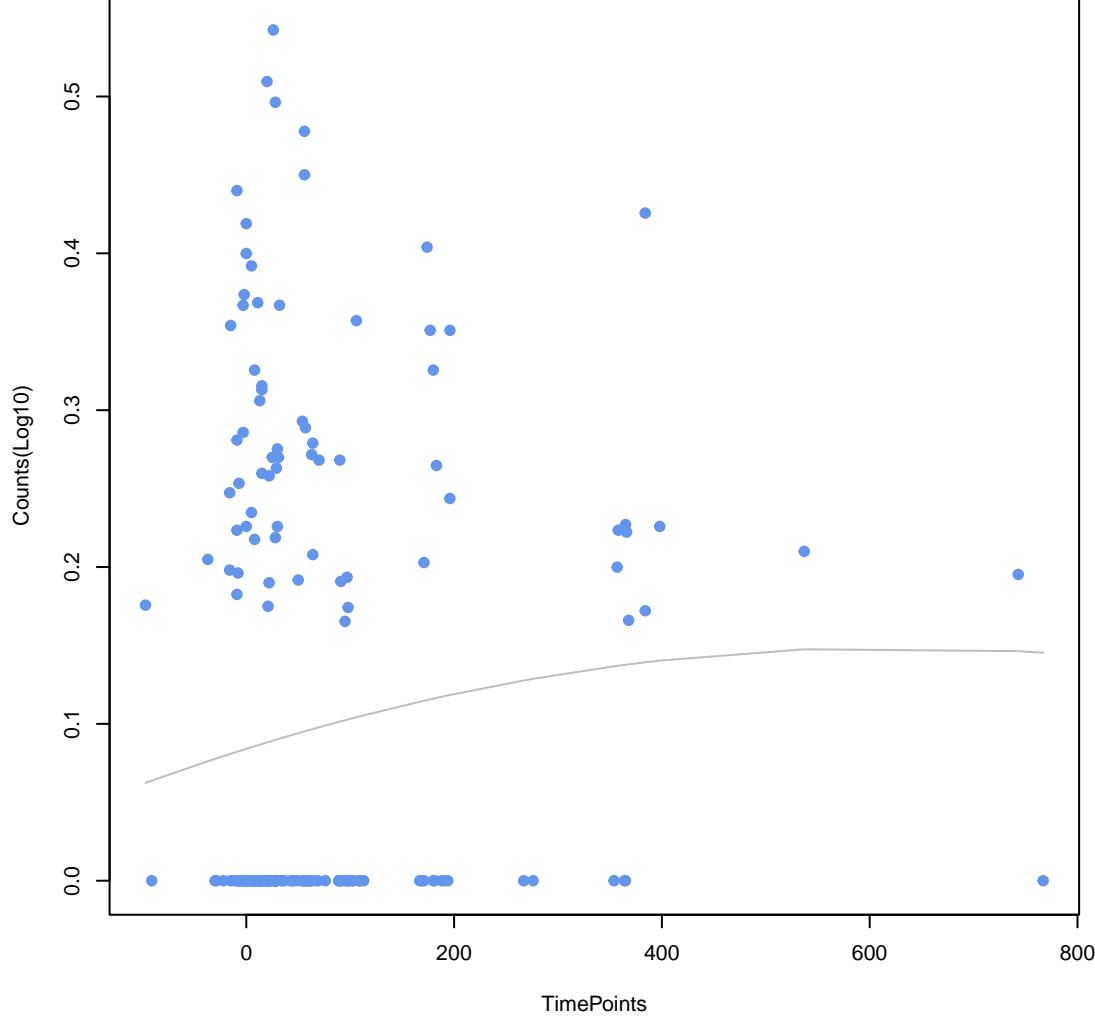
Line vs. Poly F-P=0.622, adj. F-P=0.974



AcrS

ANOVA P=0.285, adj. ANOVA-P=0.762

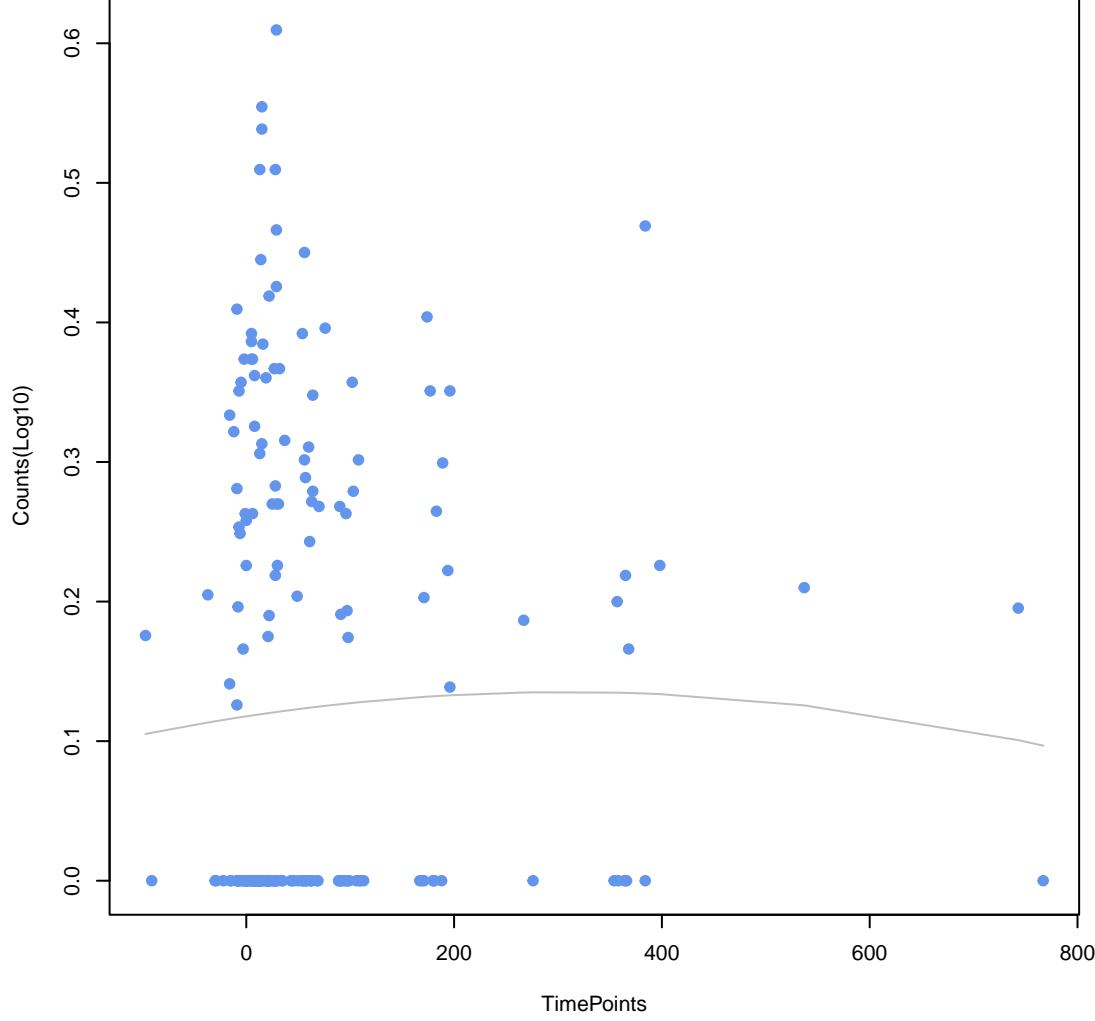
Line vs. Poly F-P=0.624, adj. F-P=0.974



kdpE

ANOVA P=0.868, adj. ANOVA-P=0.962

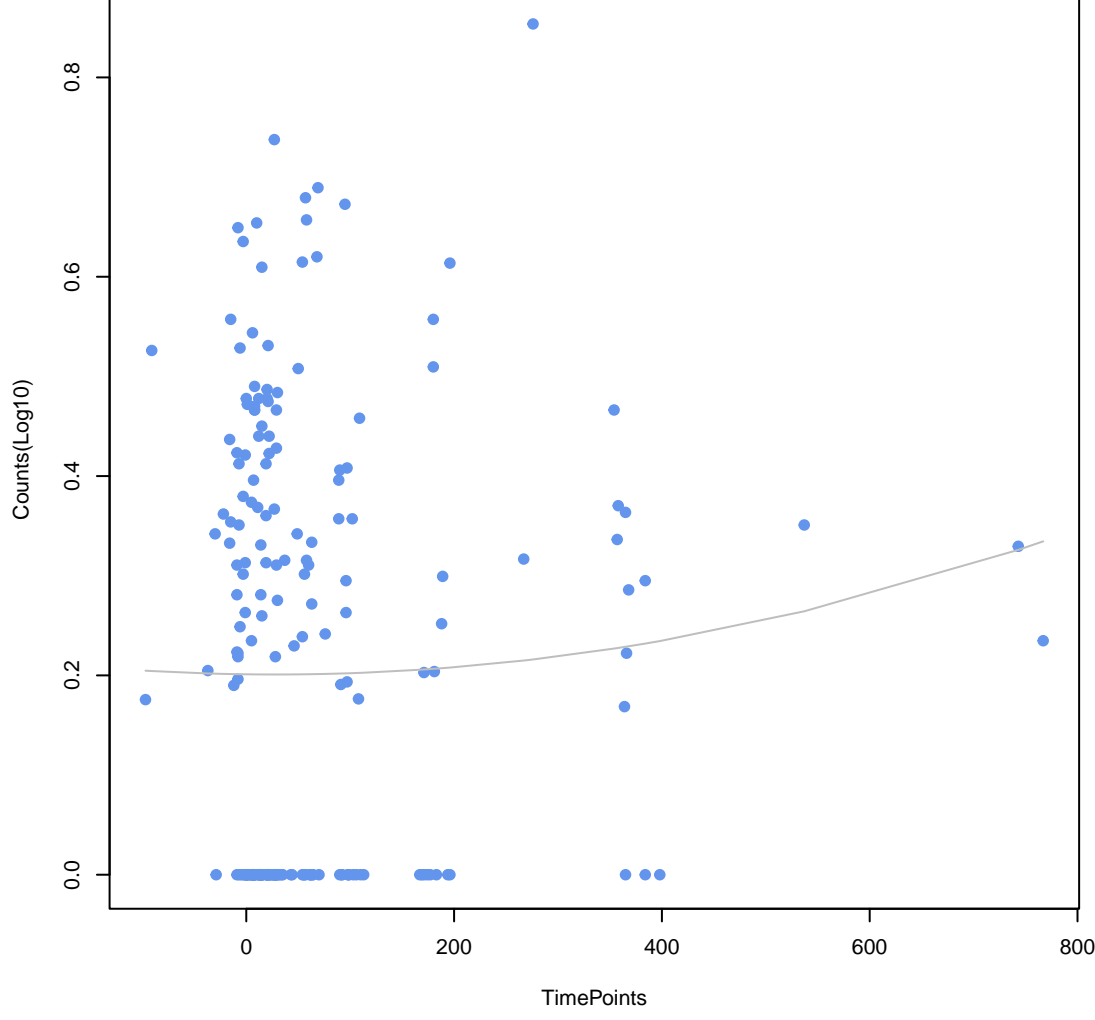
Line vs. Poly F-P=0.636, adj. F-P=0.974



chrB

ANOVA P=0.634, adj. ANOVA-P=0.859

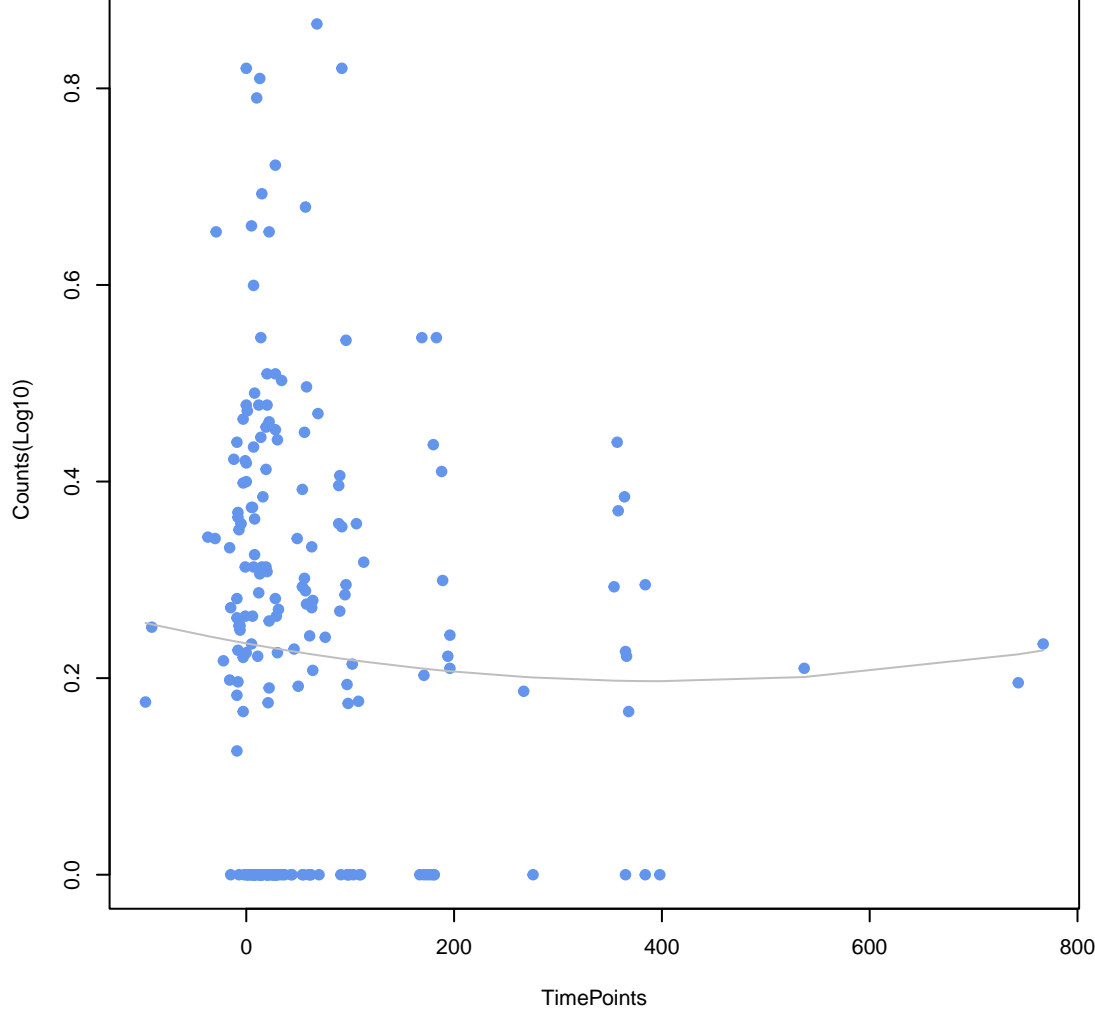
Line vs. Poly F-P=0.639, adj. F-P=0.974



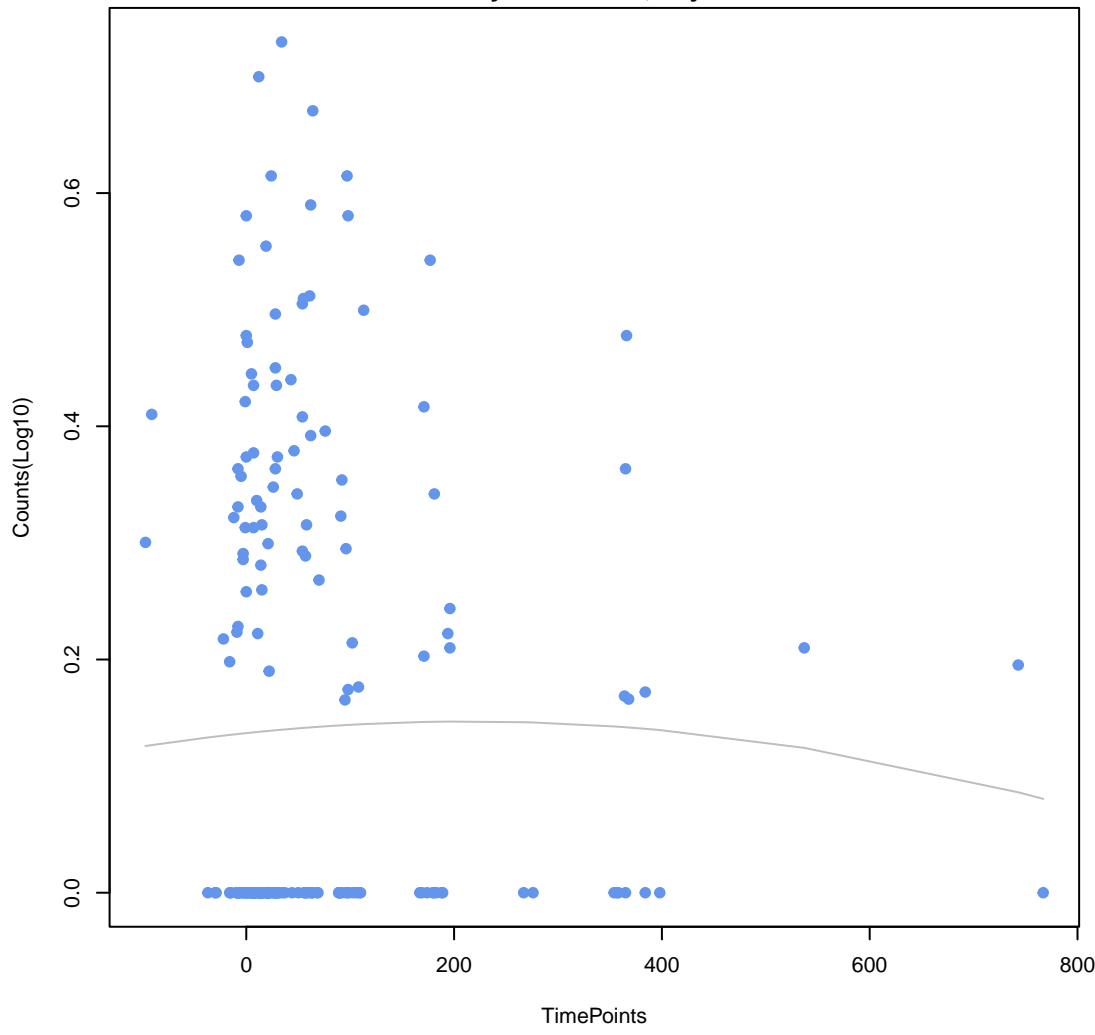
InuC

ANOVA P=0.746, adj. ANOVA-P=0.939

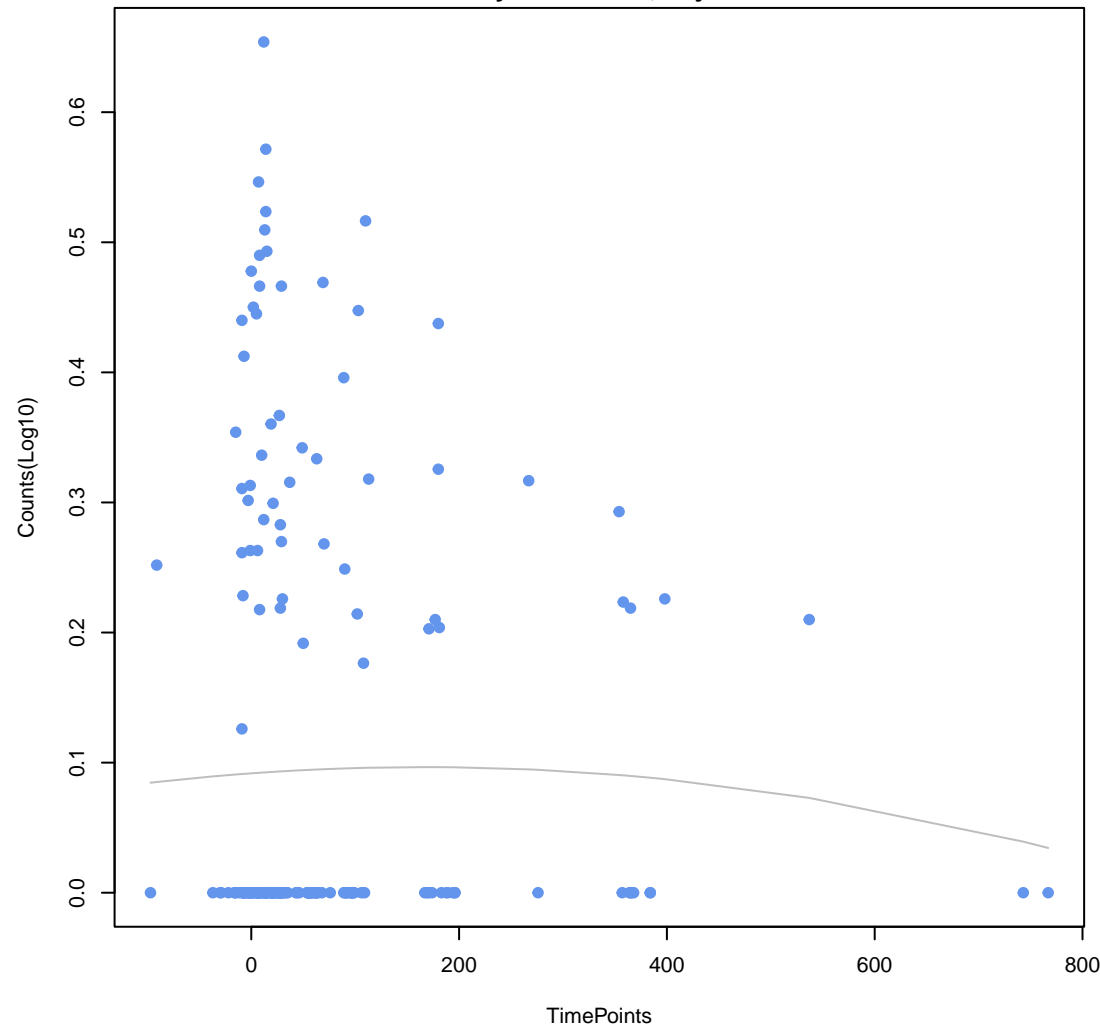
Line vs. Poly F-P=0.639, adj. F-P=0.974



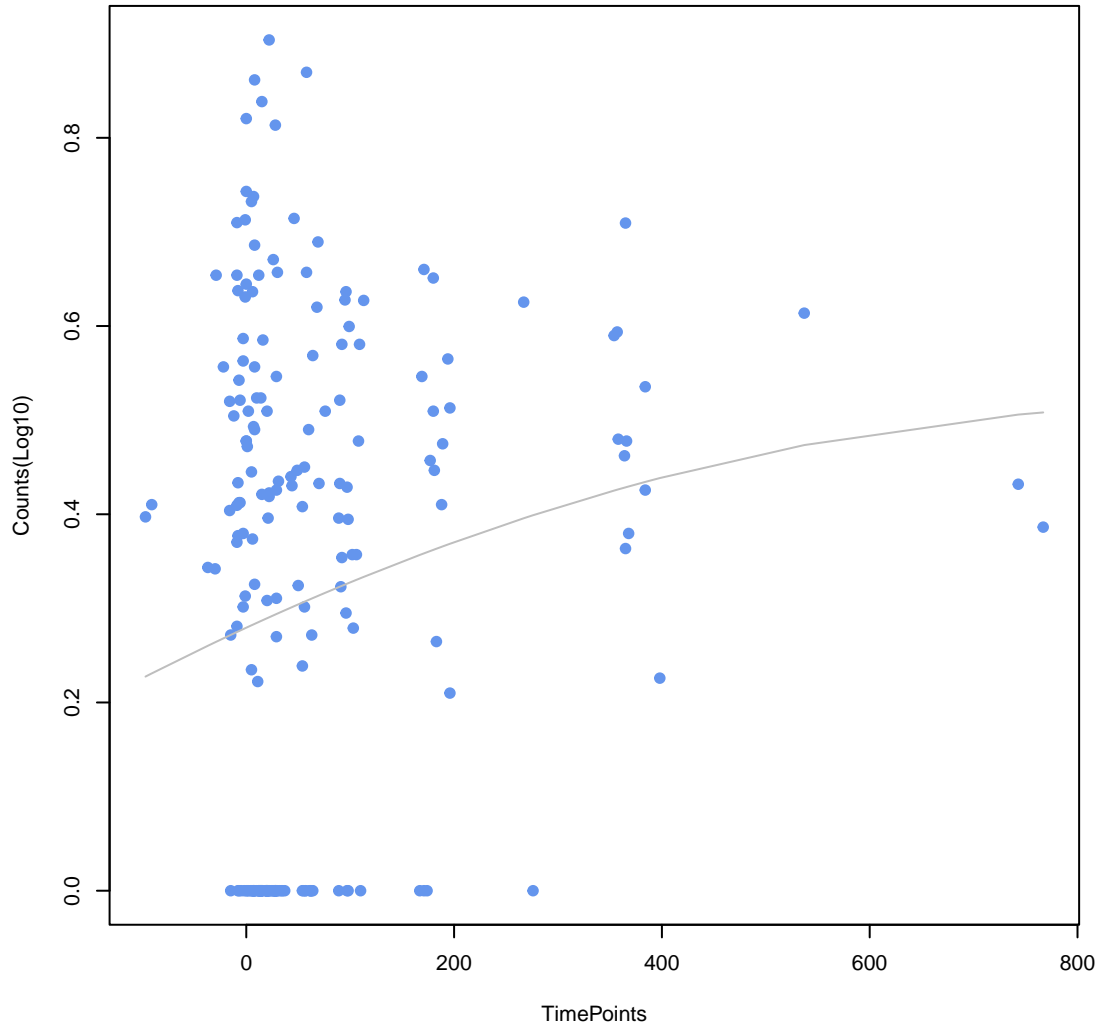
***Klebsiella pneumoniae* KpnH**  
ANOVA P=0.891, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.641, adj. F-P=0.974



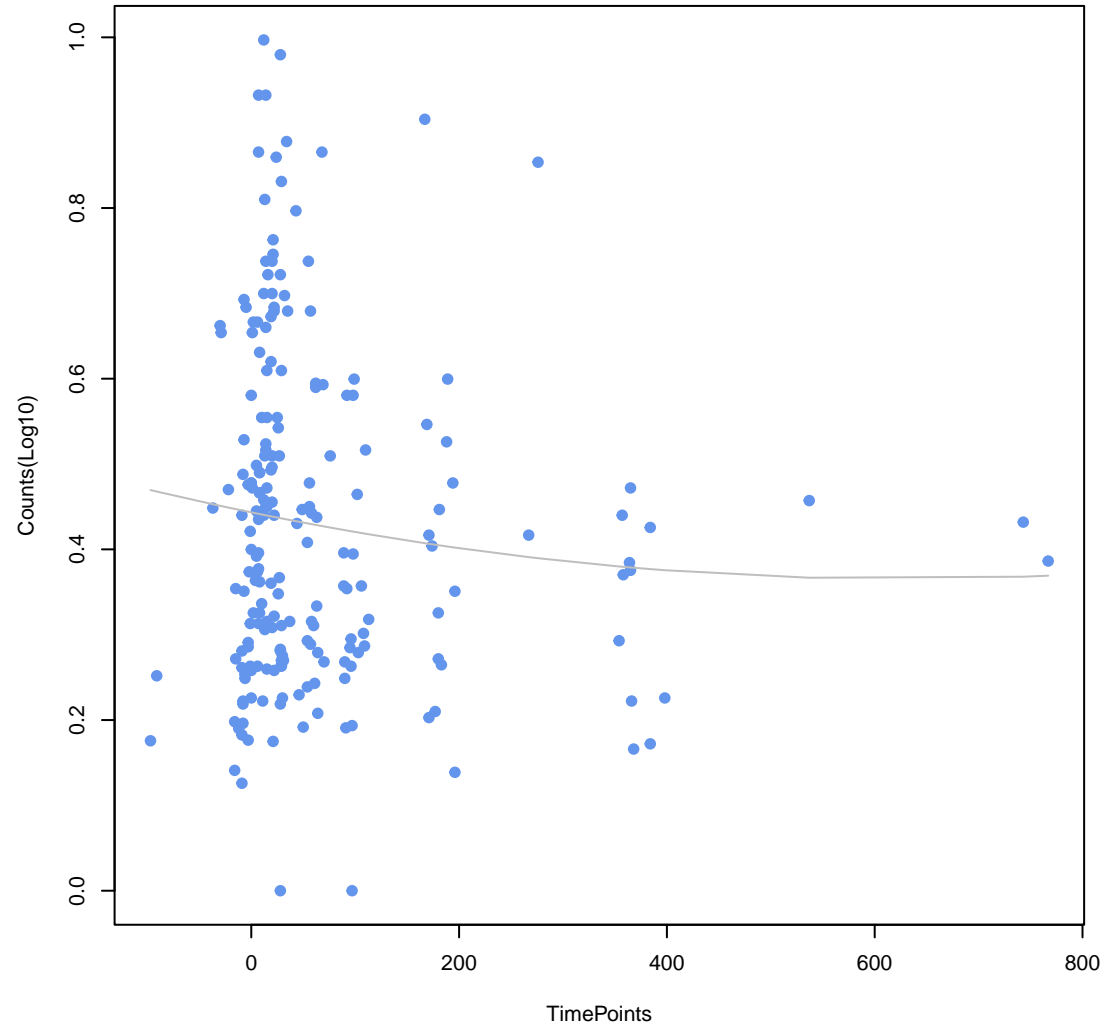
**oleB**  
ANOVA P=0.869, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.656, adj. F-P=0.974



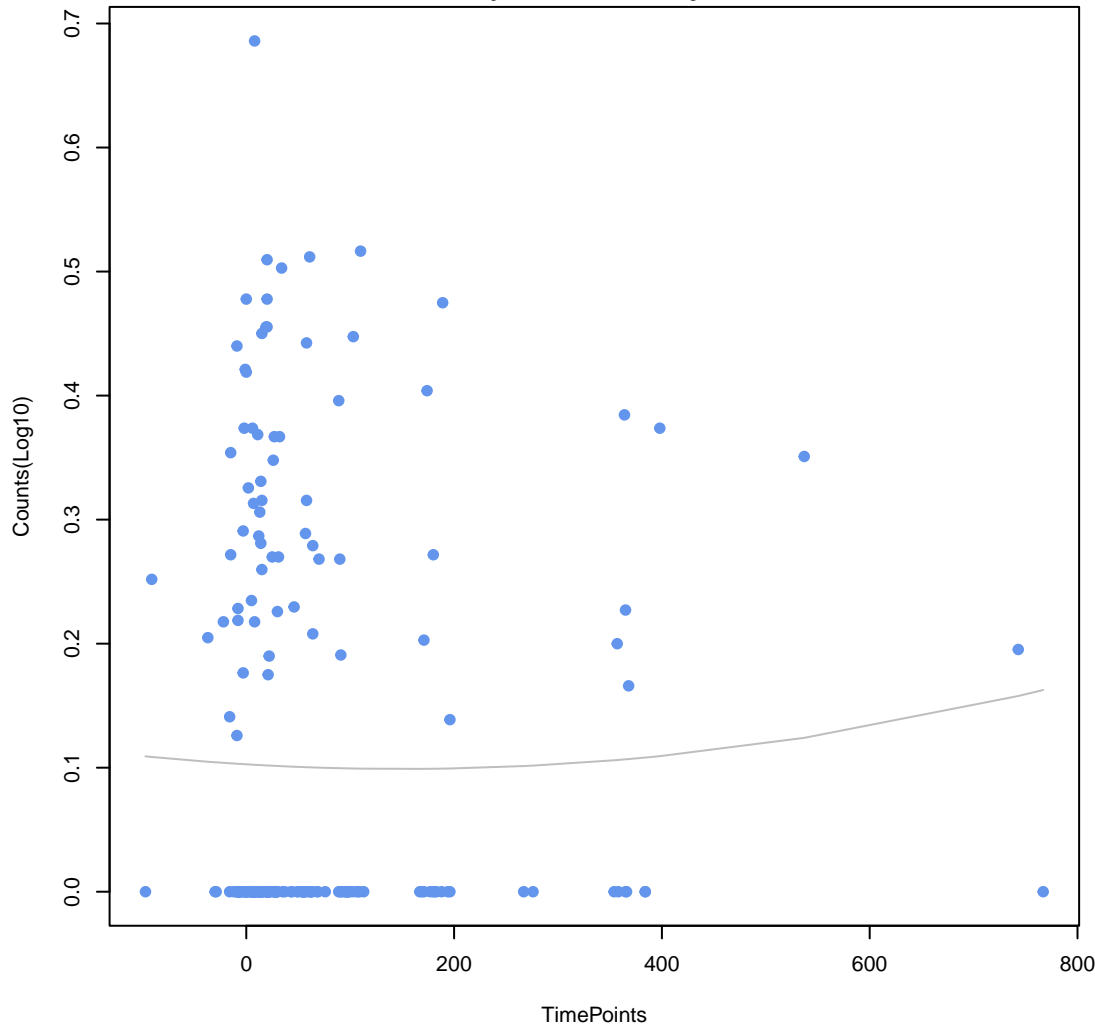
**tet(36)**  
ANOVA P=0.0494, adj. ANOVA-P=0.461  
Line vs. Poly F-P=0.662, adj. F-P=0.974



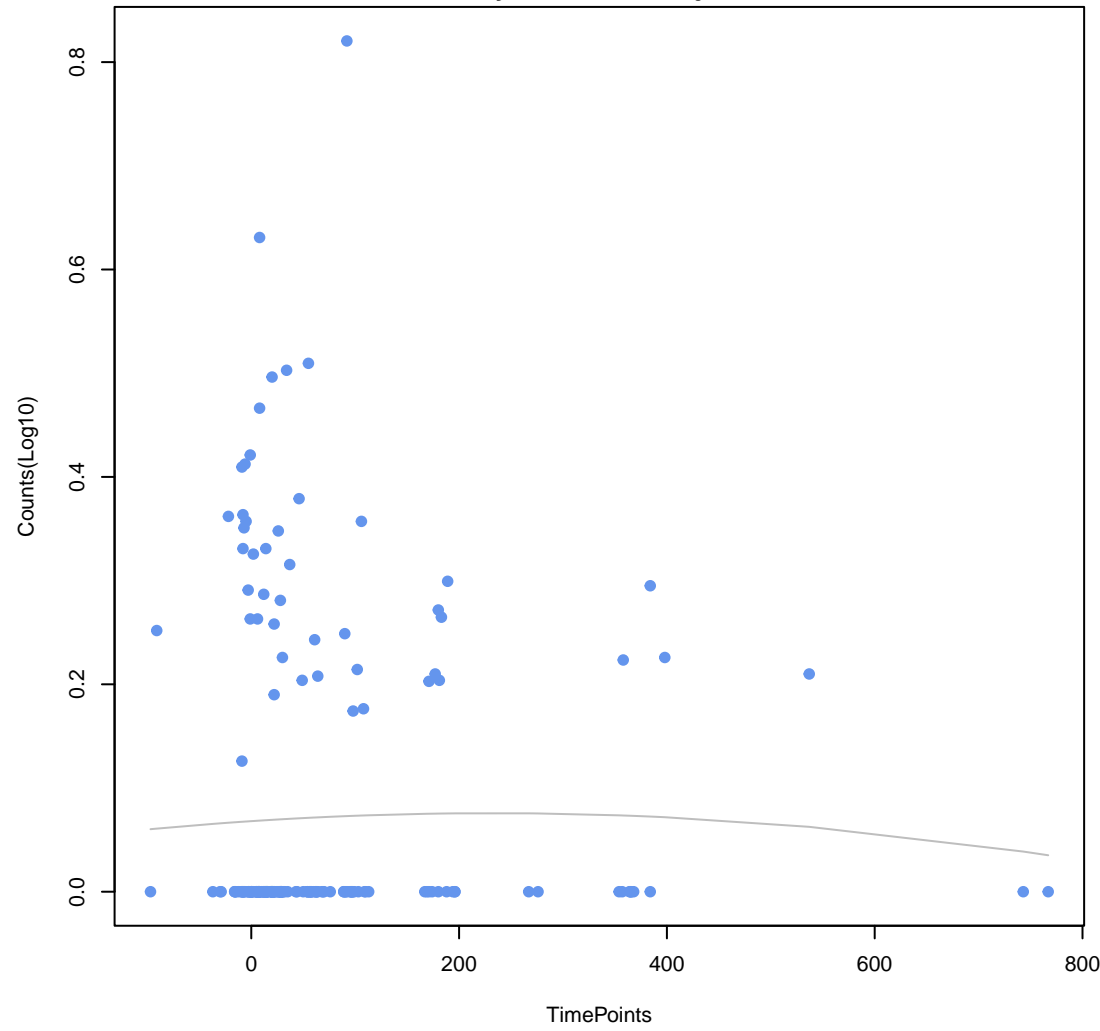
**tet(O)**  
ANOVA P=0.37, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.665, adj. F-P=0.974

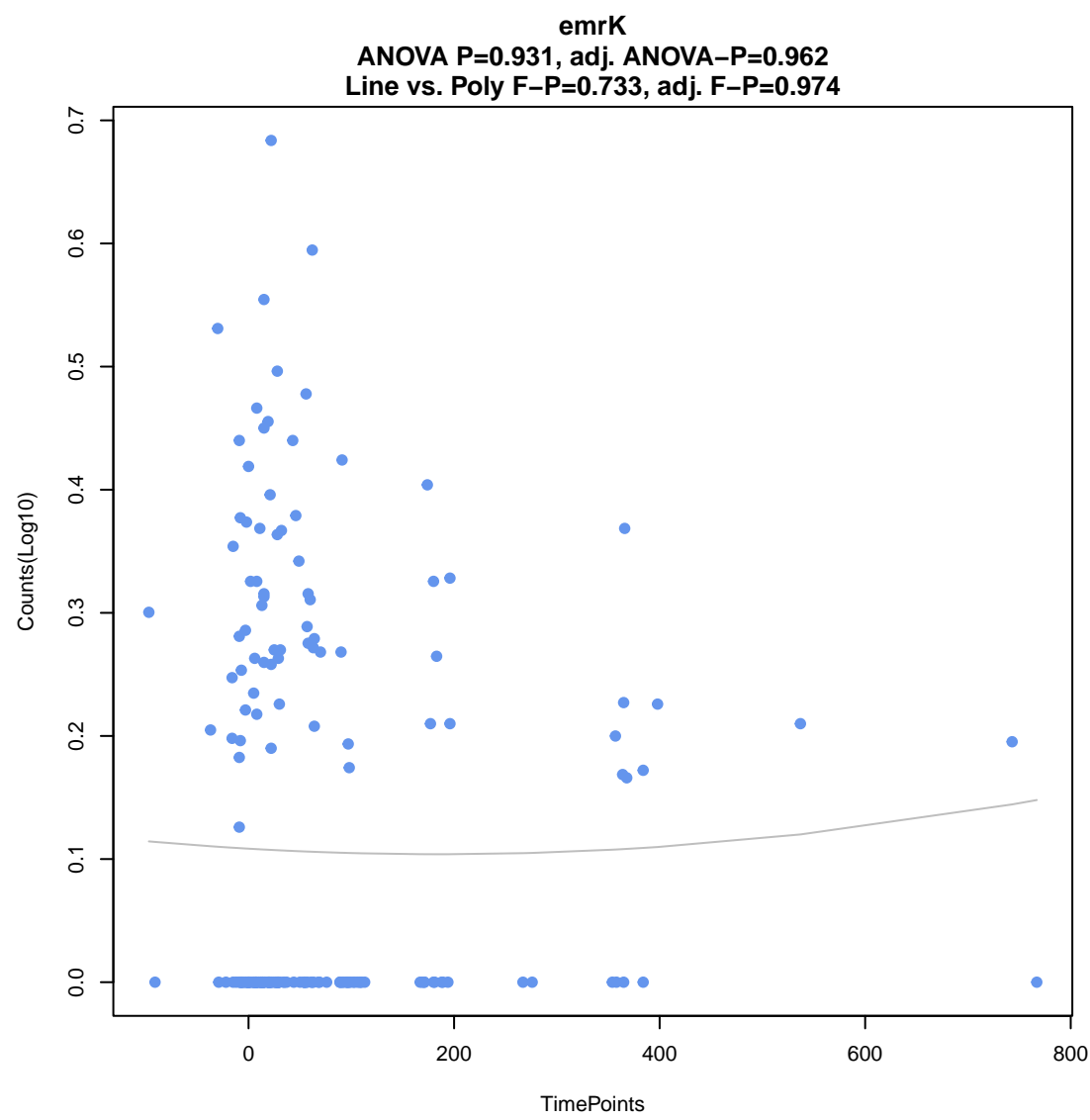
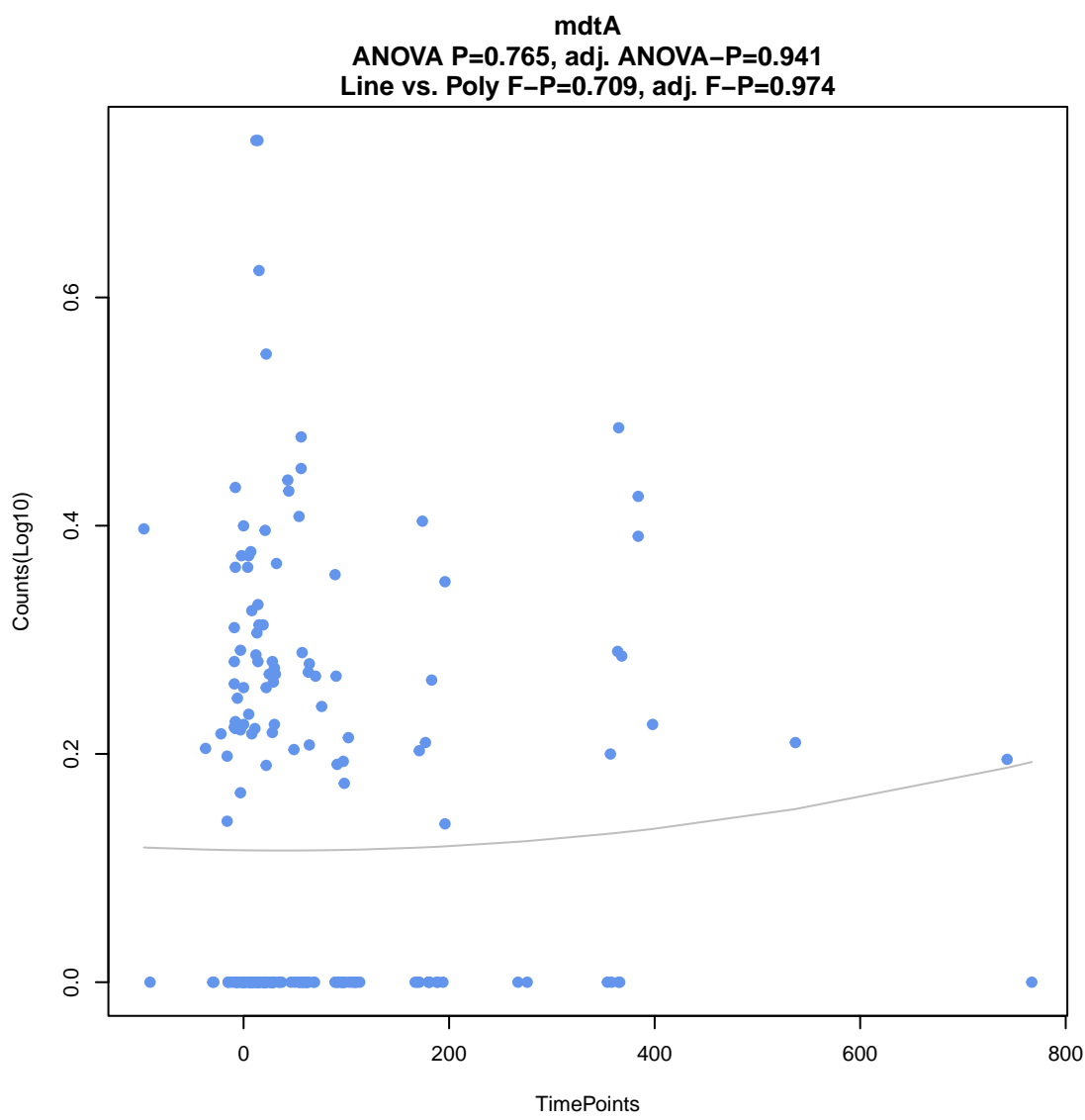
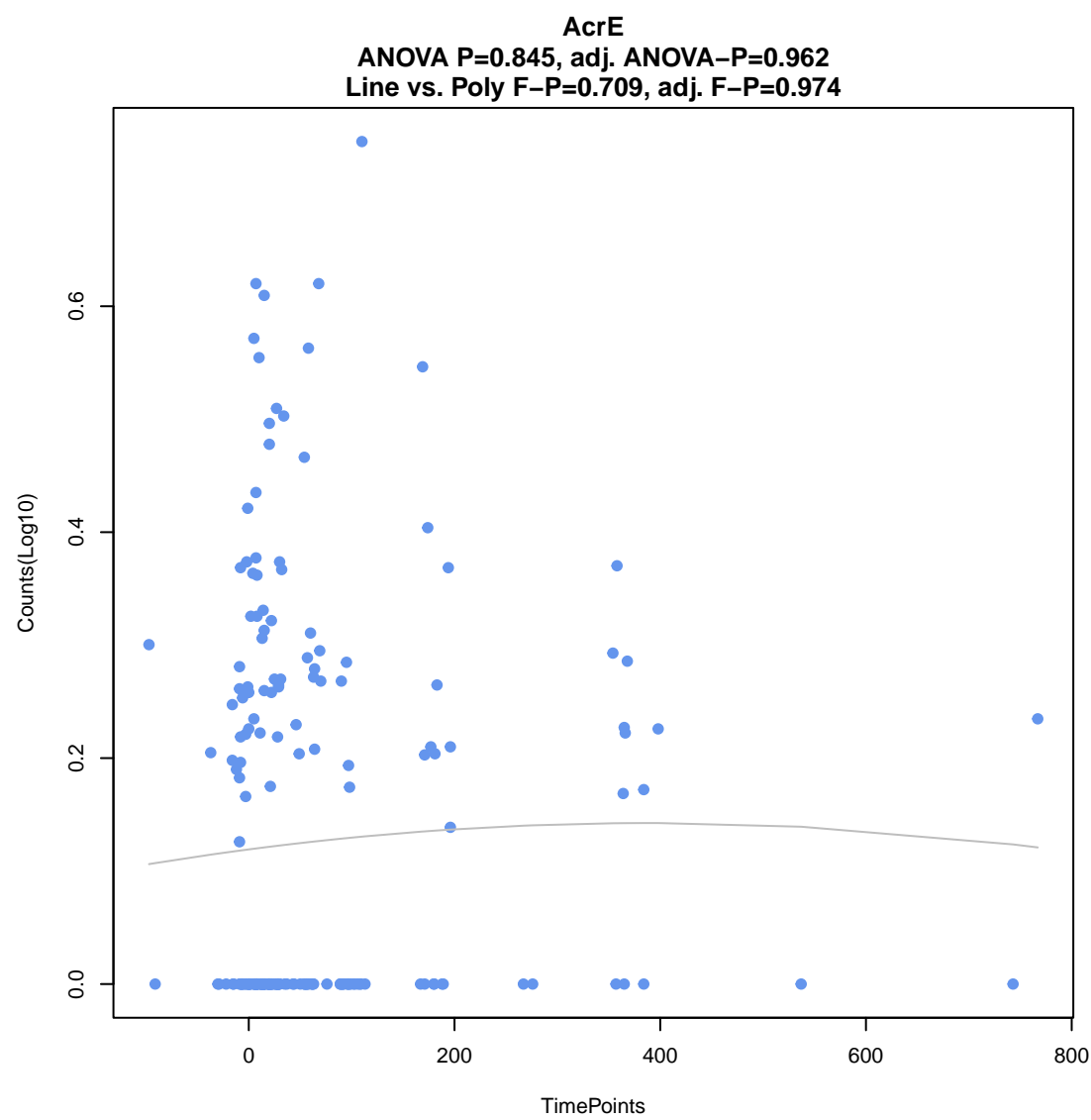
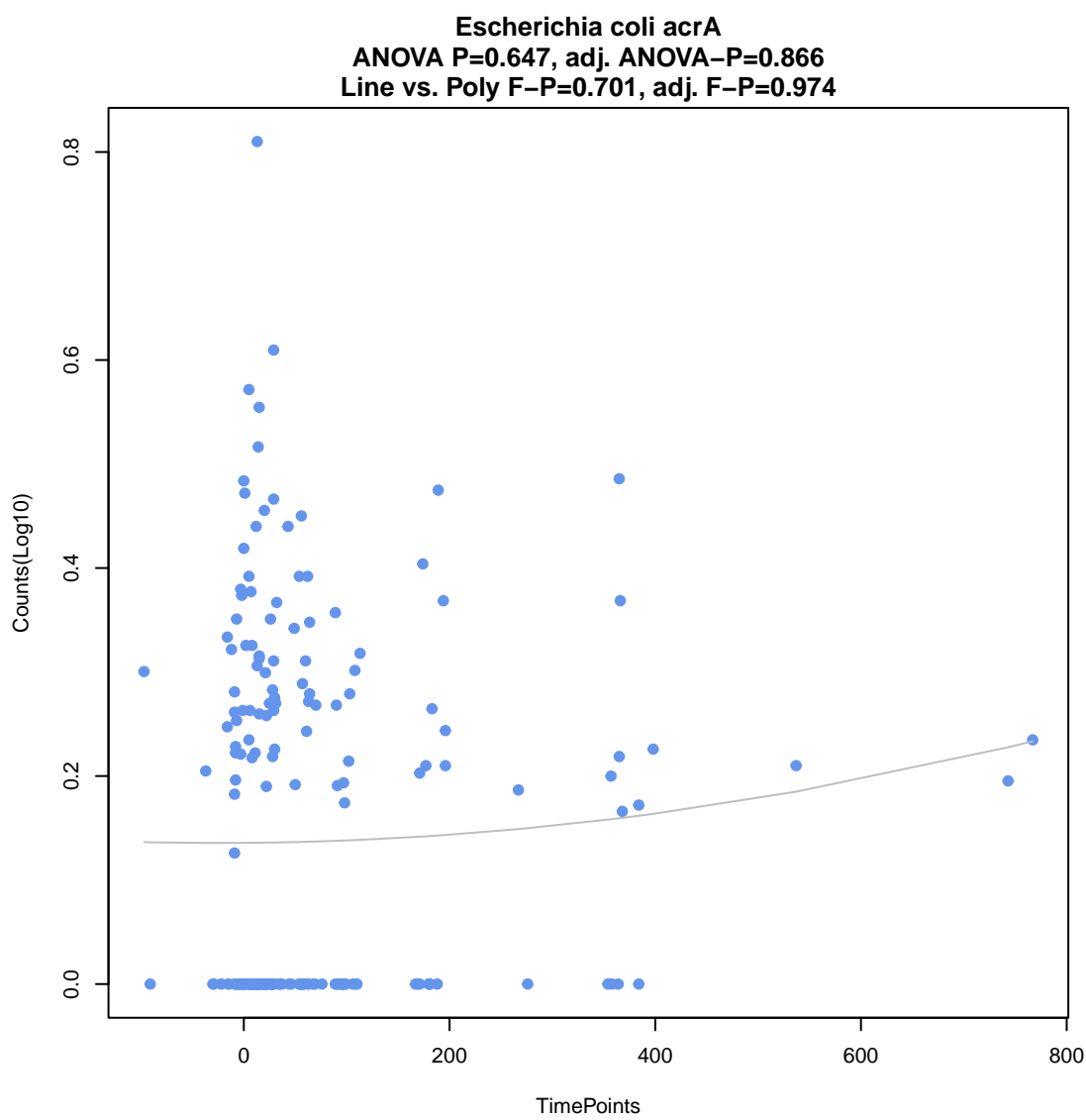
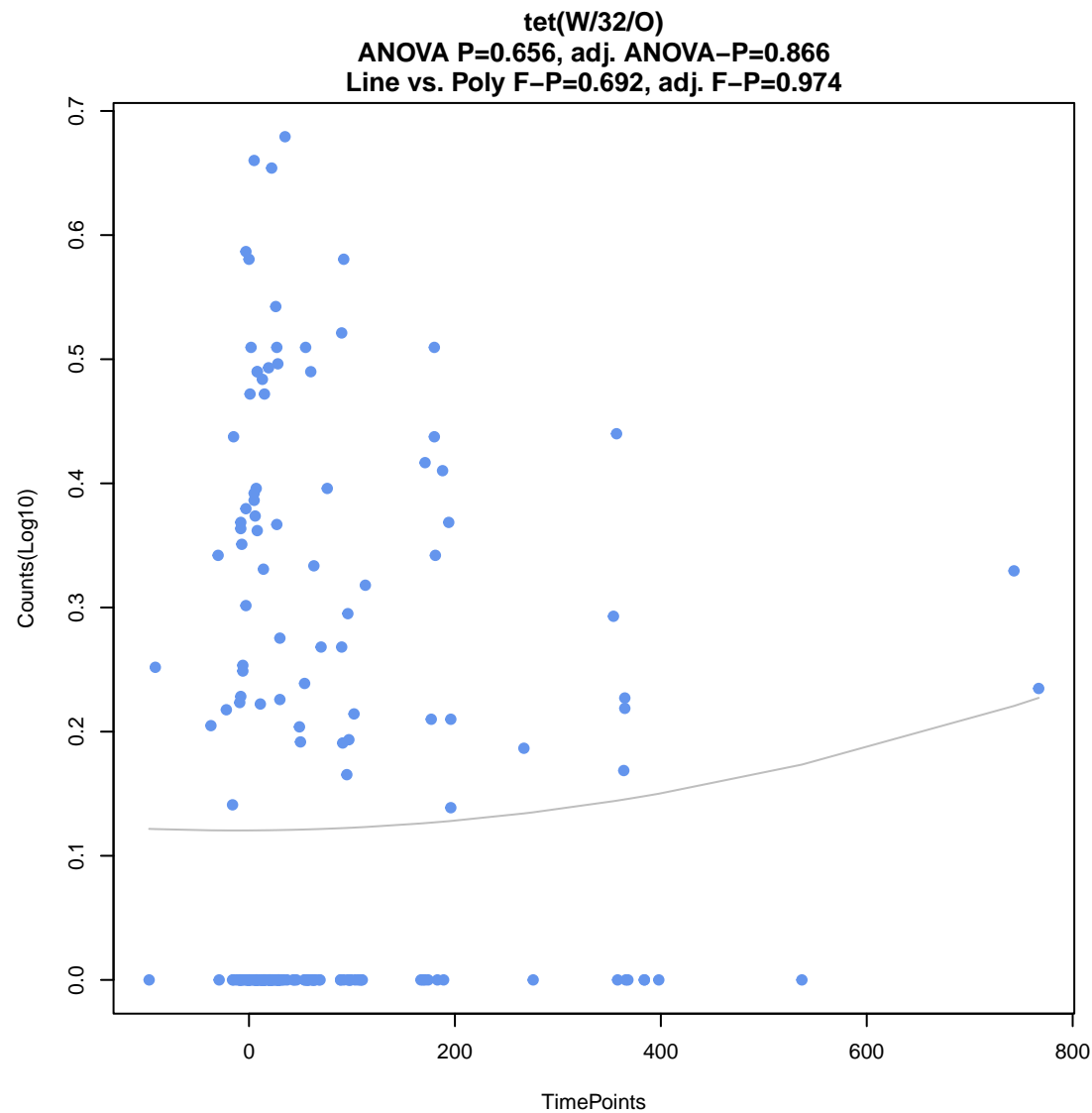
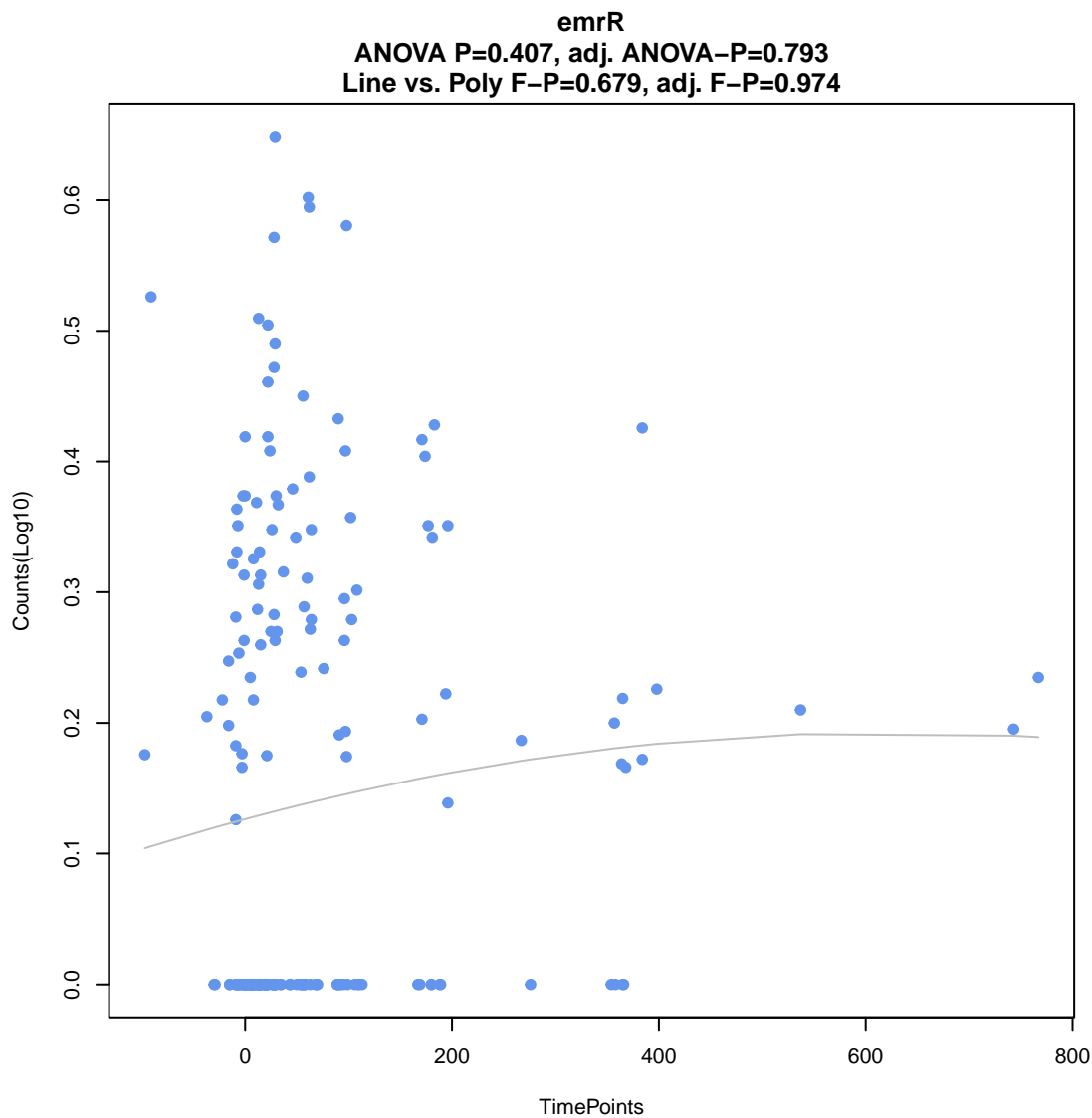


**APH(3")-Ib**  
ANOVA P=0.861, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.665, adj. F-P=0.974

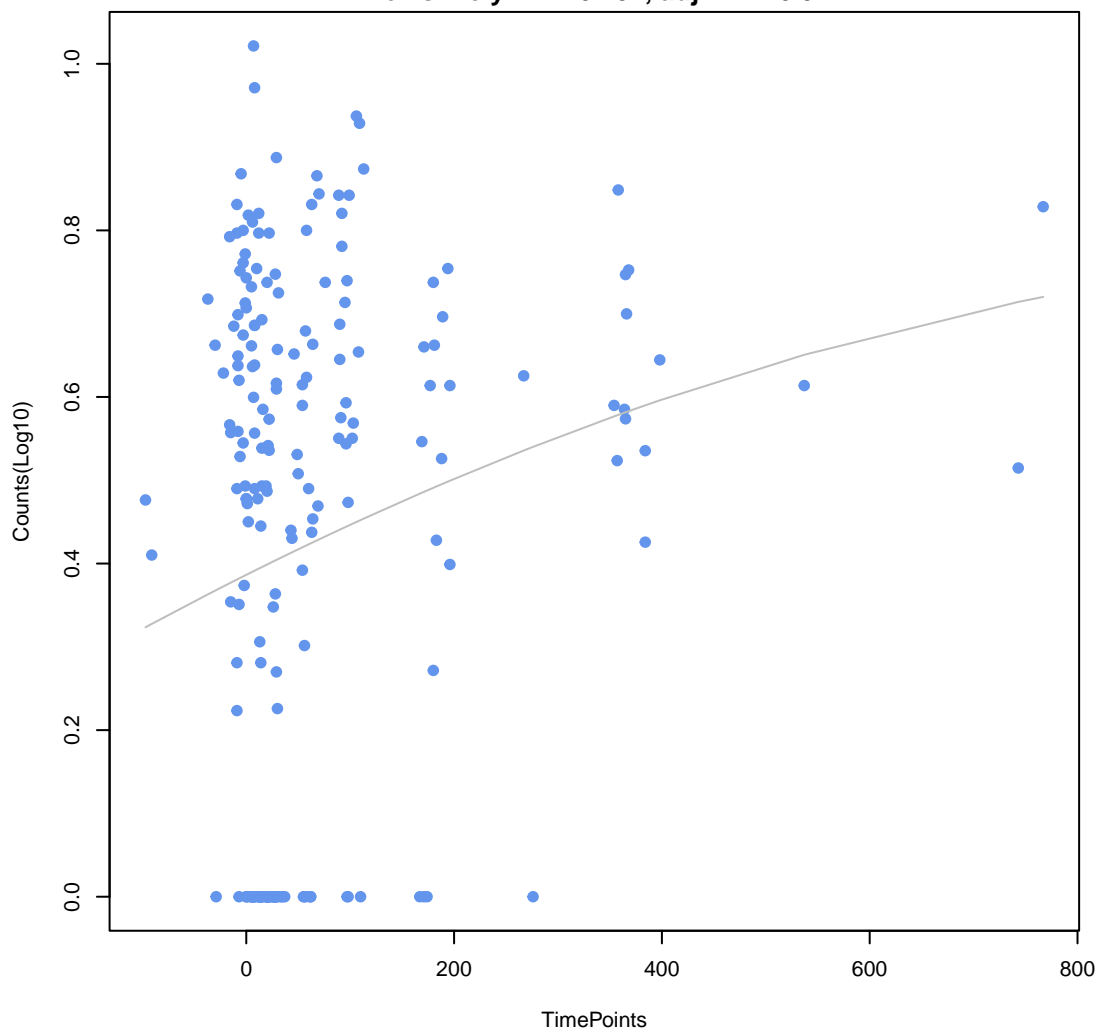


***Klebsiella pneumoniae* acrA**  
ANOVA P=0.917, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.678, adj. F-P=0.974

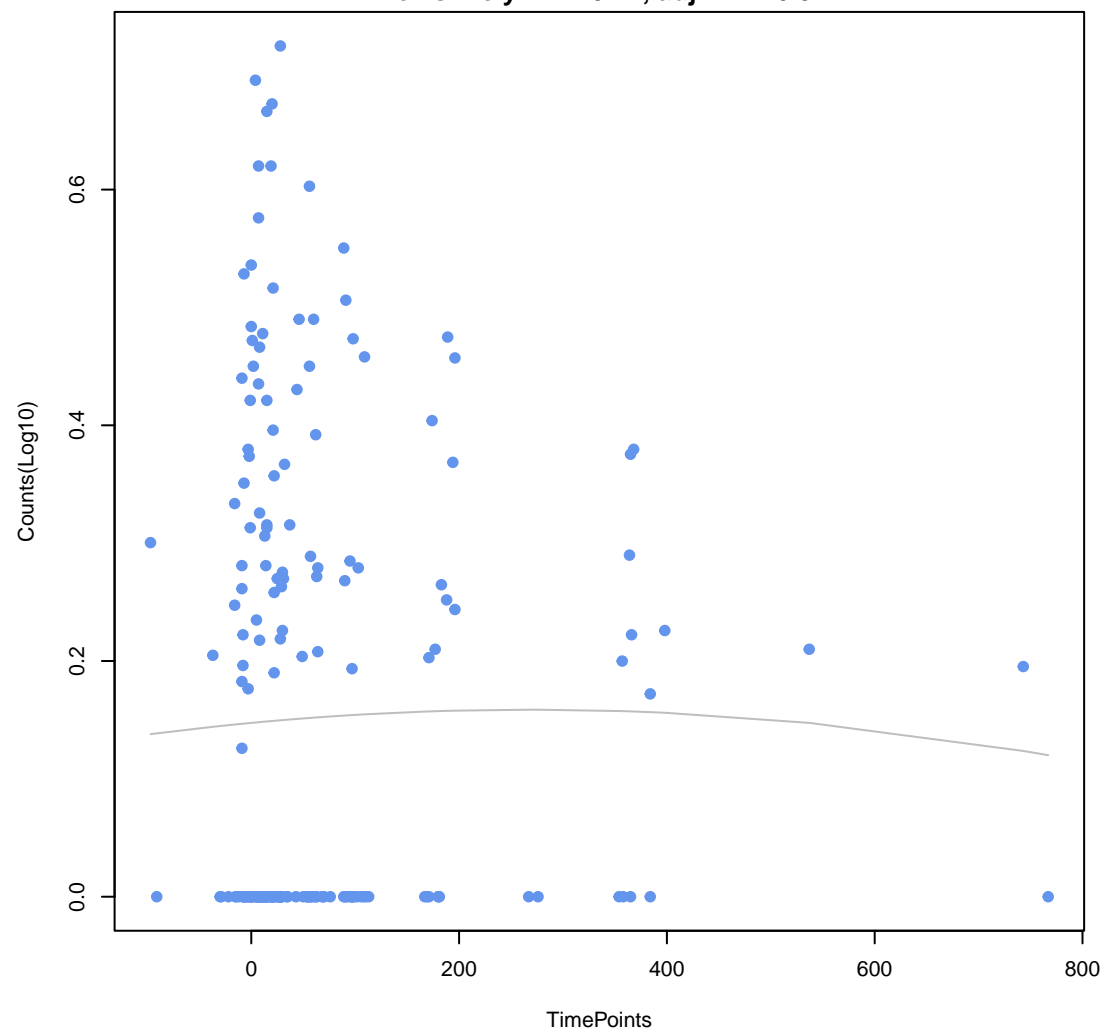




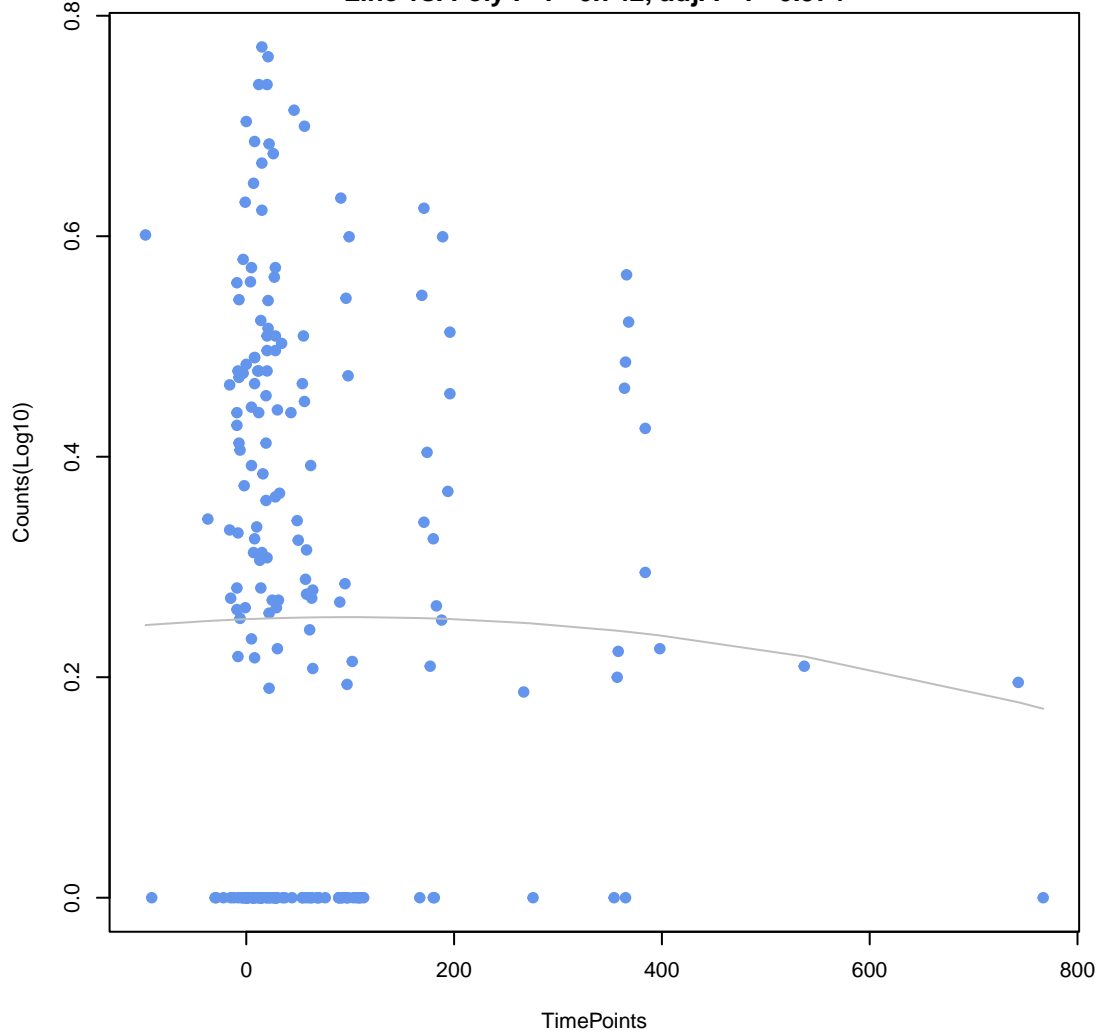
**tet(T)**  
ANOVA P=0.0206, adj. ANOVA-P=0.315  
Line vs. Poly F-P=0.737, adj. F-P=0.974



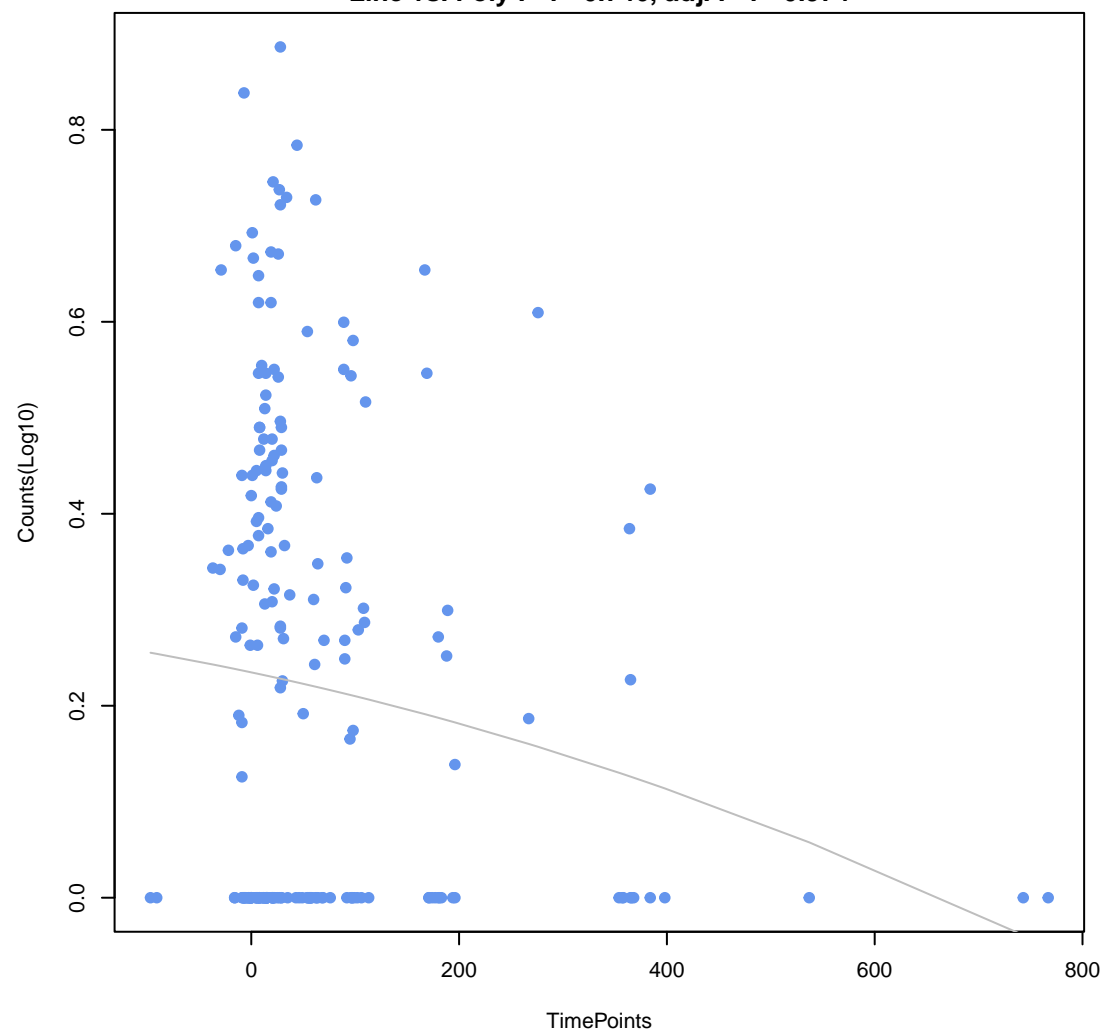
**mdtP**  
ANOVA P=0.944, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.74, adj. F-P=0.974



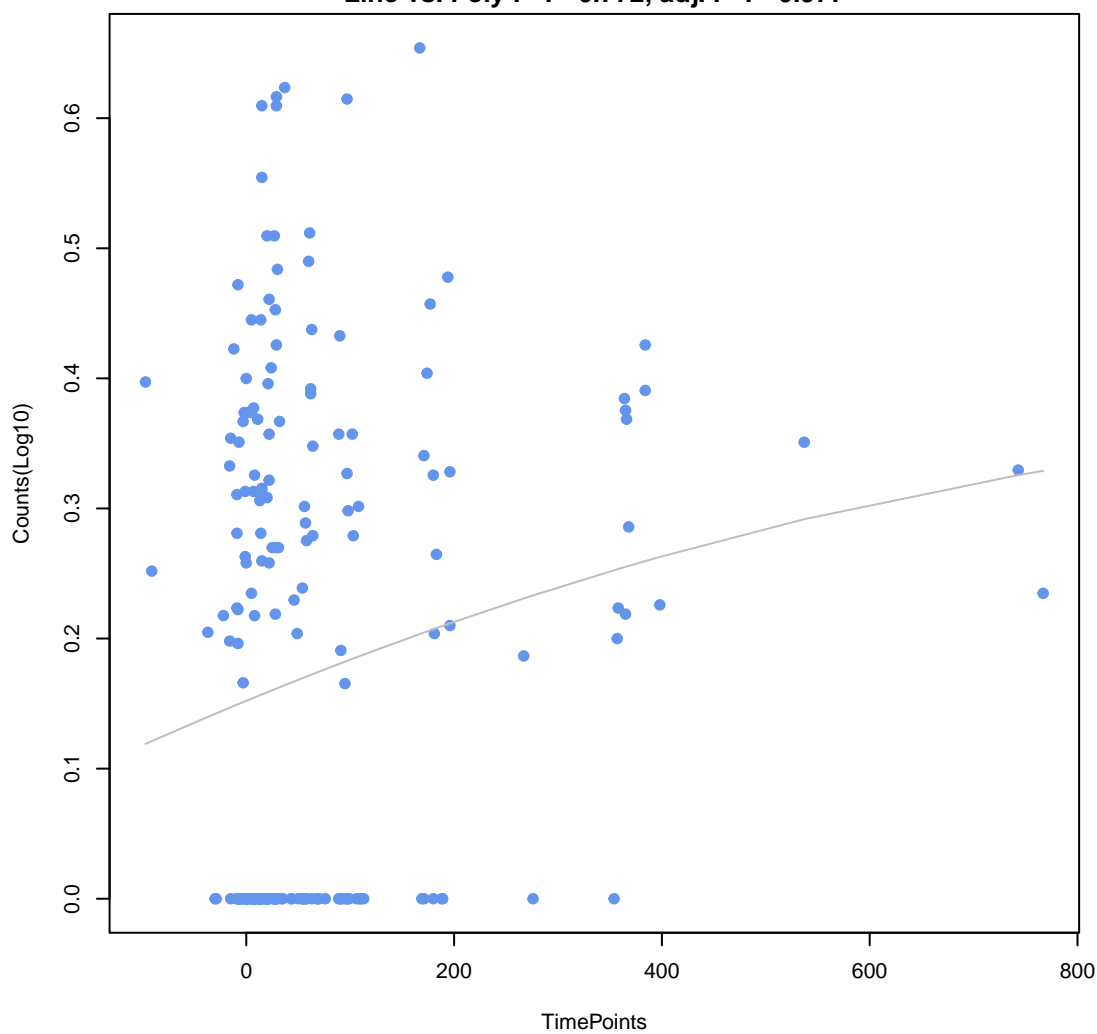
**evgS**  
ANOVA P=0.878, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.742, adj. F-P=0.974



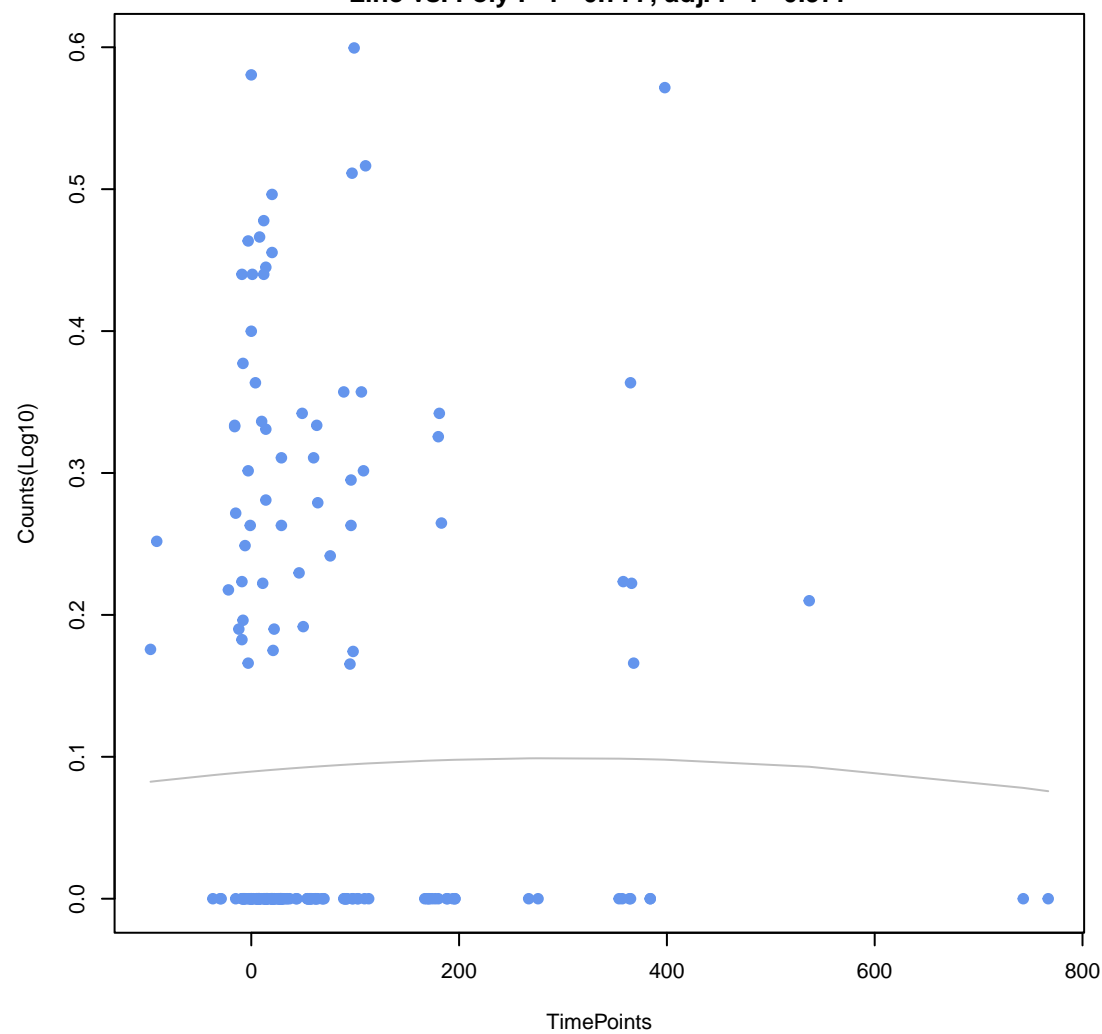
**vanH gene in vanA cluster**  
ANOVA P=0.0759, adj. ANOVA-P=0.48  
Line vs. Poly F-P=0.746, adj. F-P=0.974



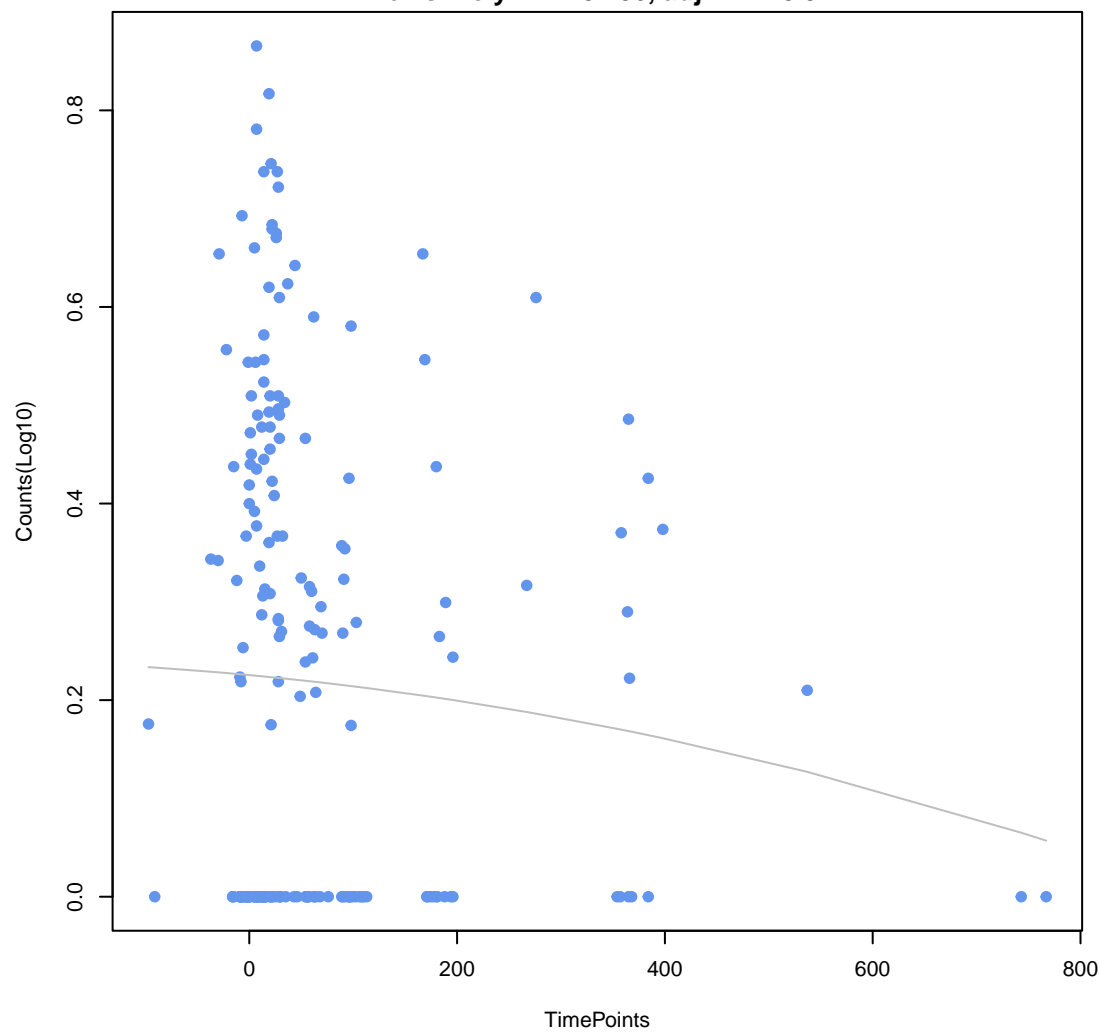
**bacA**  
ANOVA P=0.0494, adj. ANOVA-P=0.461  
Line vs. Poly F-P=0.772, adj. F-P=0.977



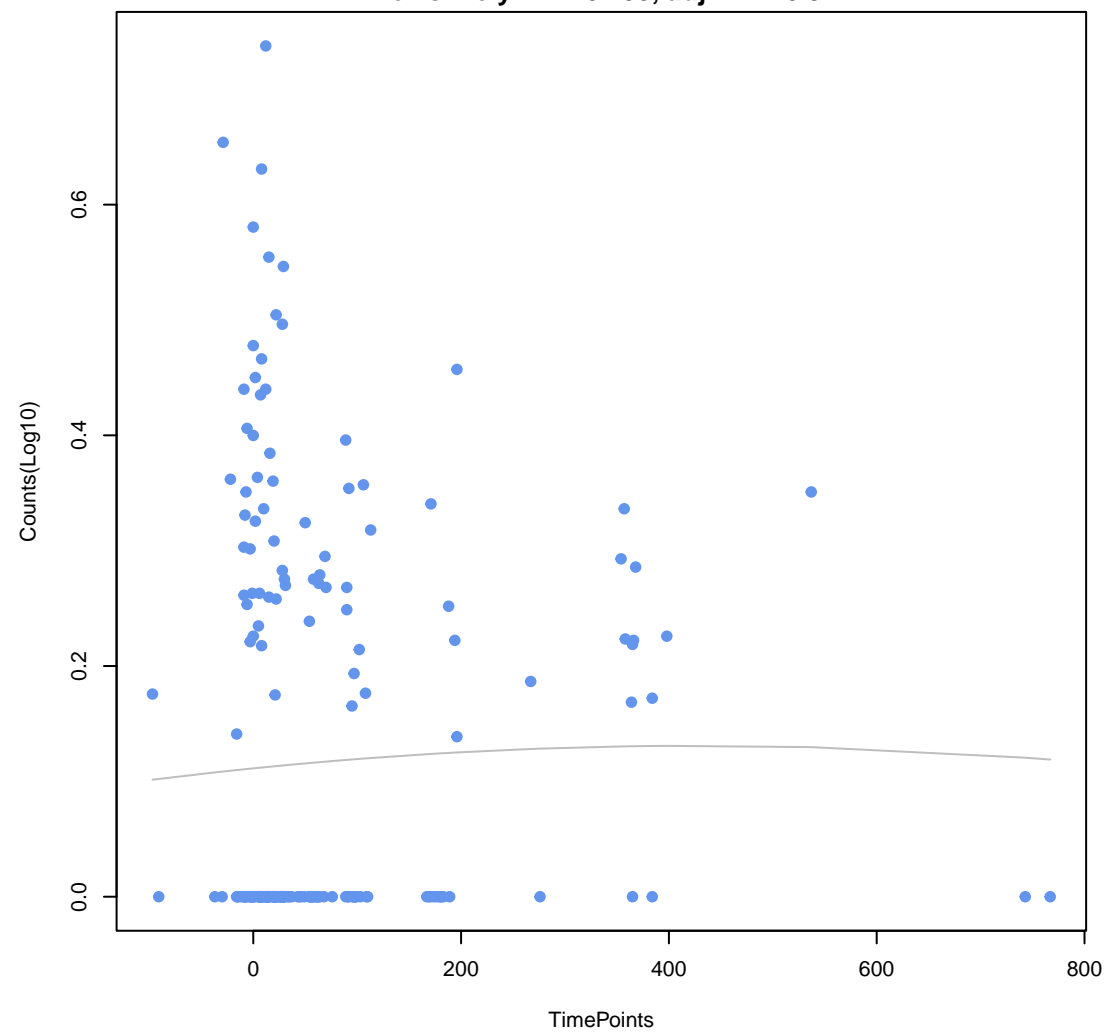
**TaeA**  
ANOVA P=0.953, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.777, adj. F-P=0.977



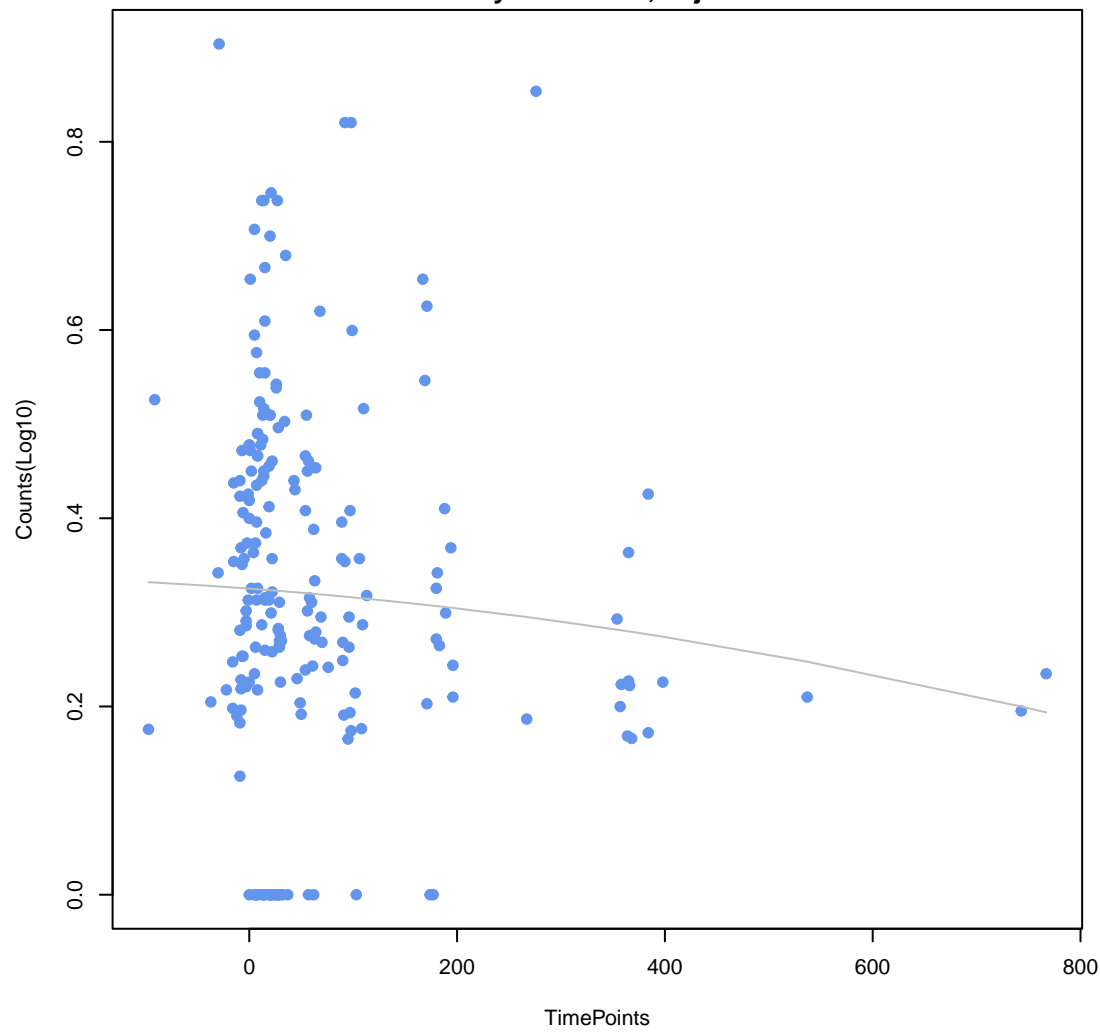
**vanS gene in vanA cluster**  
ANOVA P=0.45, adj. ANOVA-P=0.799  
Line vs. Poly F-P=0.786, adj. F-P=0.977



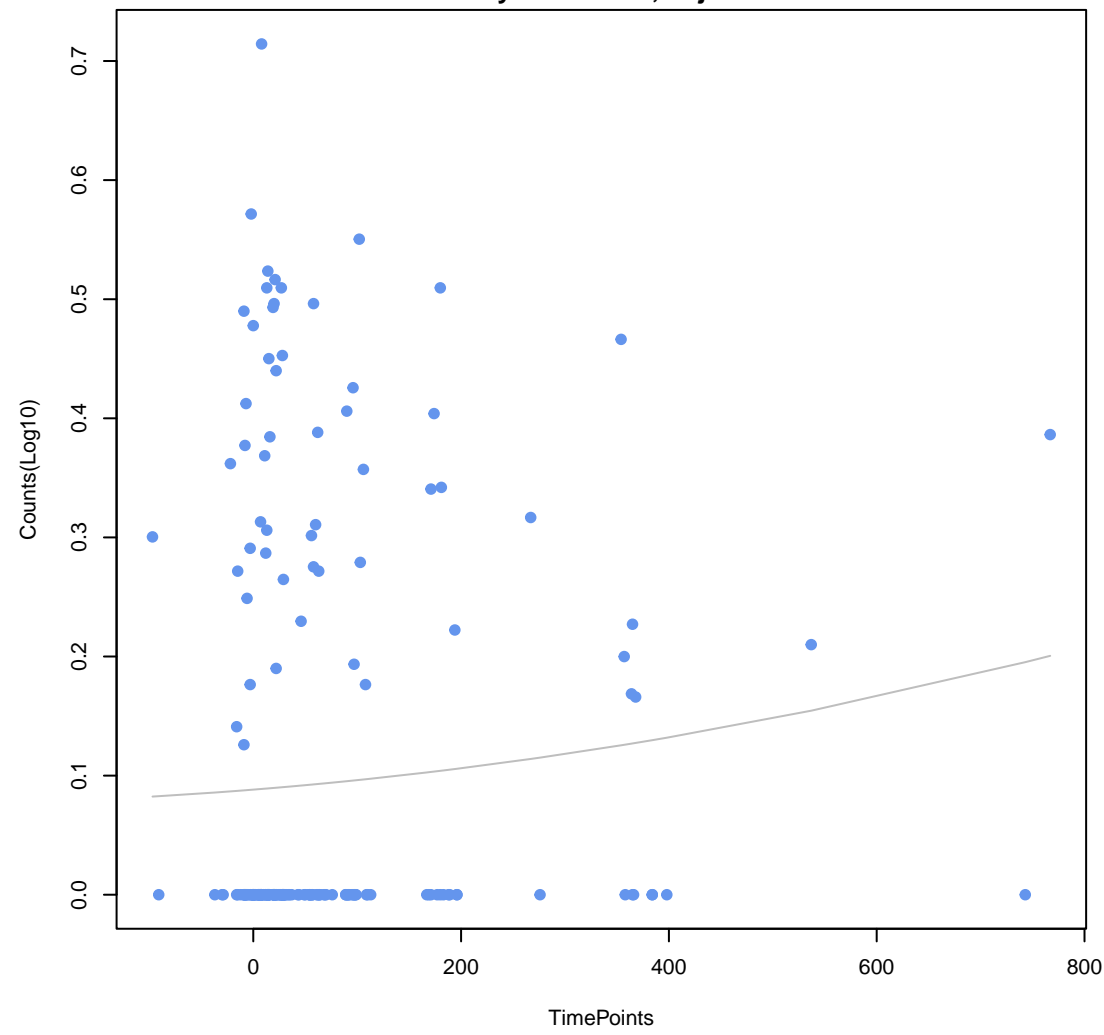
**vanS gene in vanD cluster**  
ANOVA P=0.895, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.795, adj. F-P=0.977



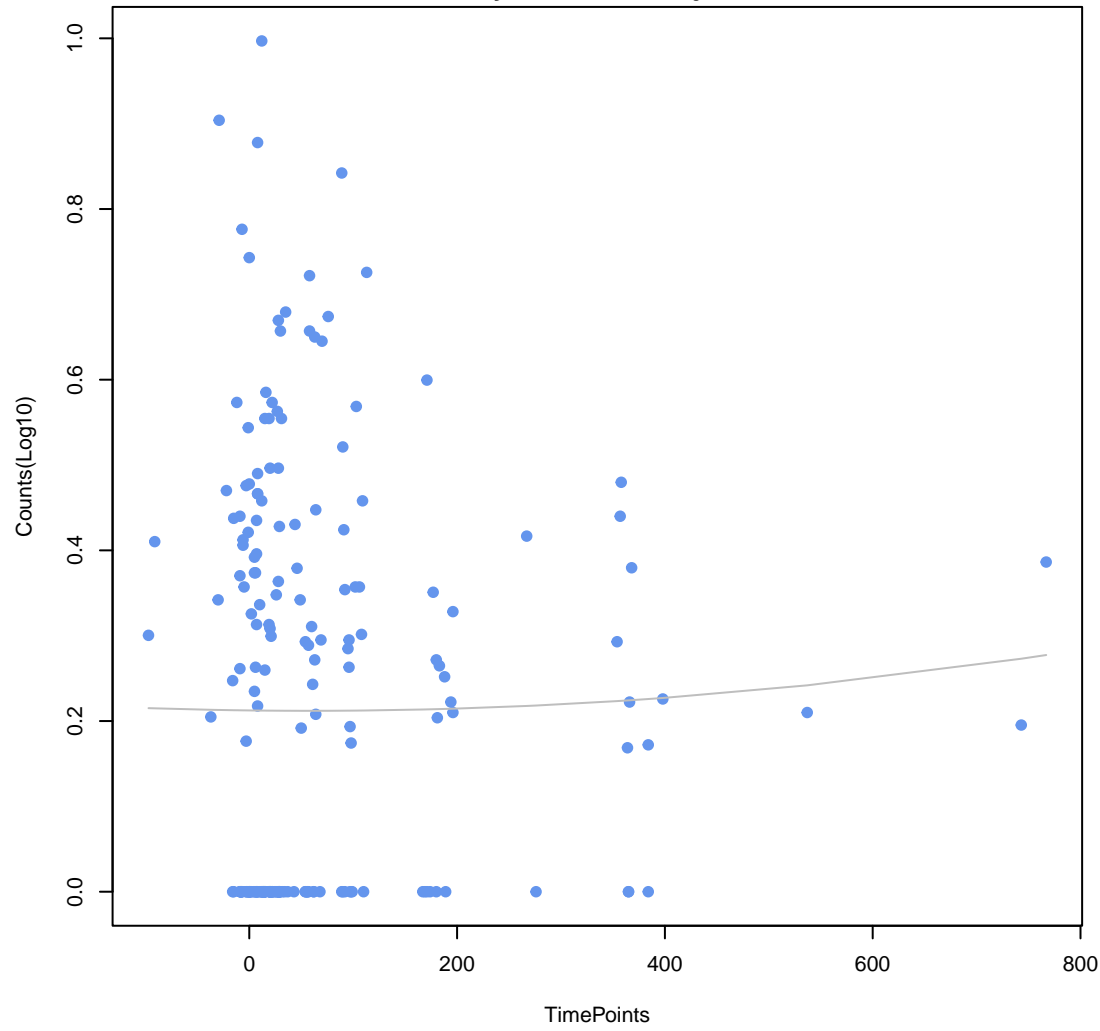
**tet(40)**  
ANOVA P=0.466, adj. ANOVA-P=0.799  
Line vs. Poly F-P=0.803, adj. F-P=0.977



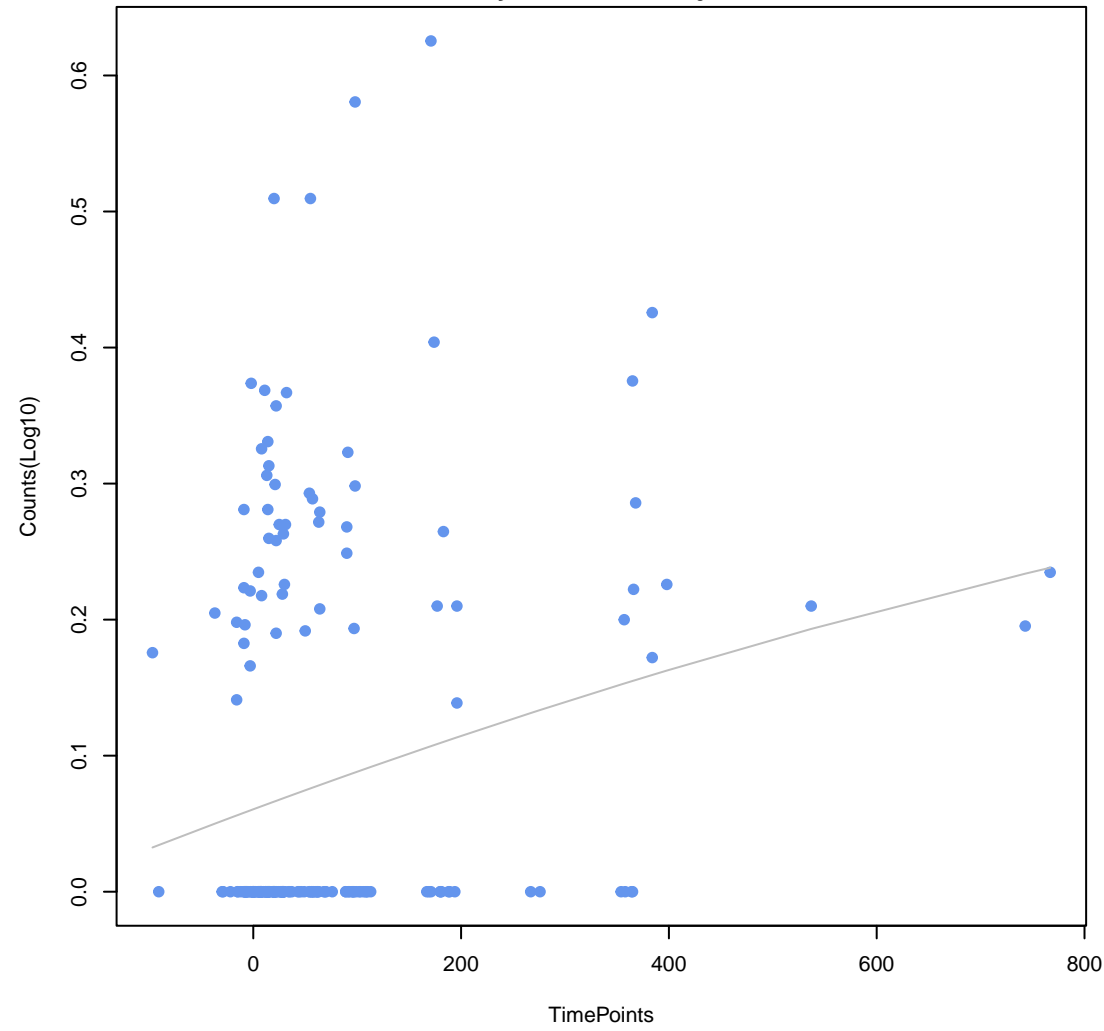
**tet(W/N/W)**  
ANOVA P=0.47, adj. ANOVA-P=0.799  
Line vs. Poly F-P=0.803, adj. F-P=0.977



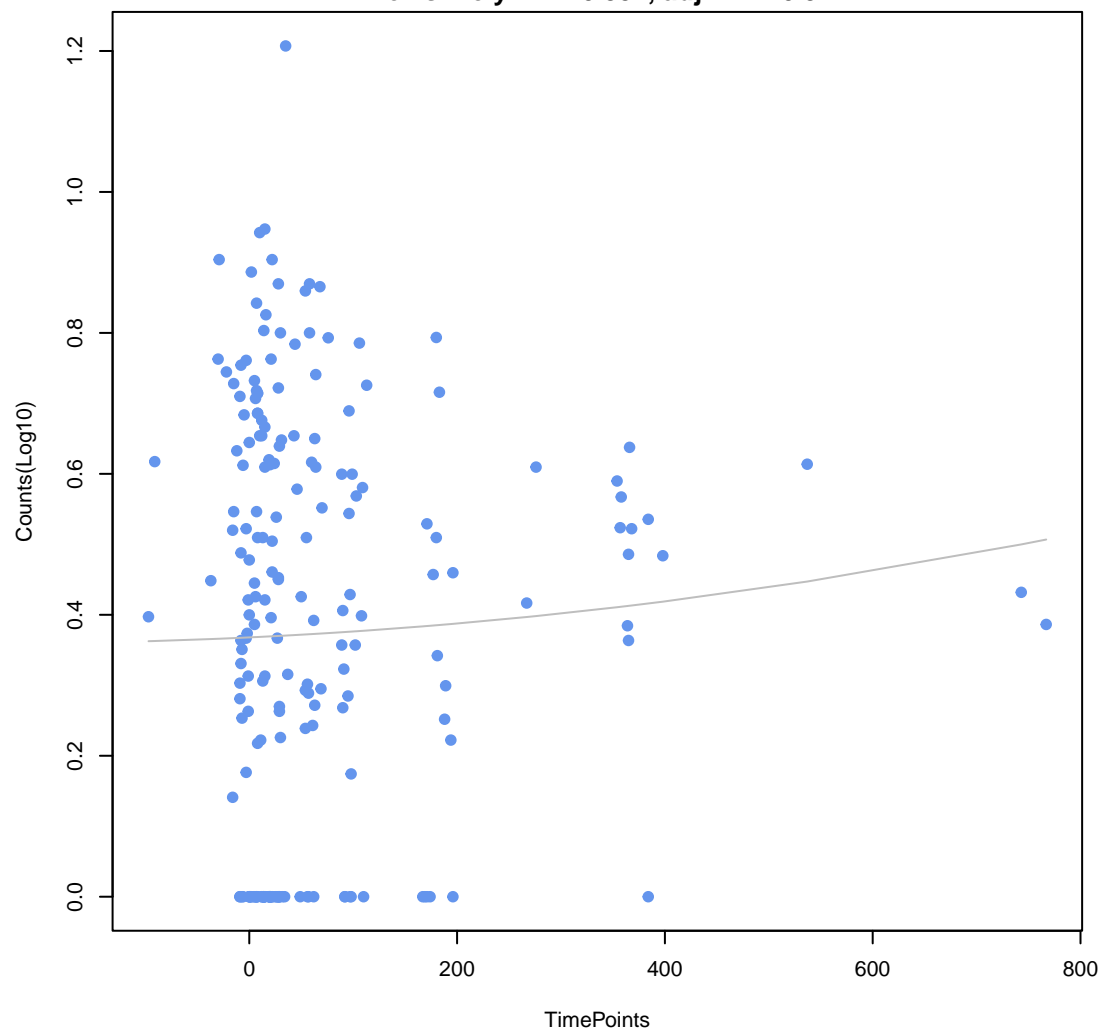
**vanR gene in vanD cluster**  
ANOVA P=0.918, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.821, adj. F-P=0.977



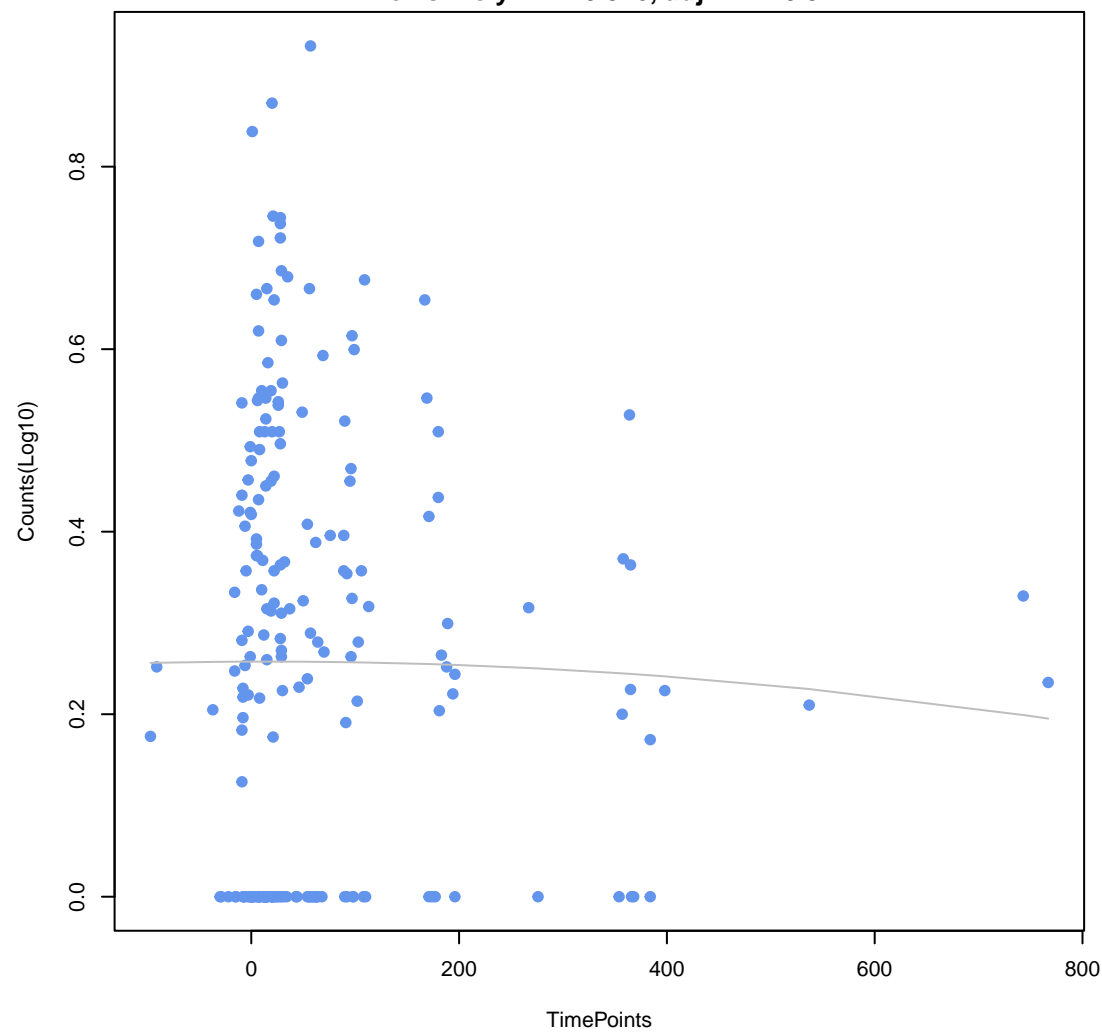
**evgA**  
ANOVA P=0.00557, adj. ANOVA-P=0.181  
Line vs. Poly F-P=0.831, adj. F-P=0.977



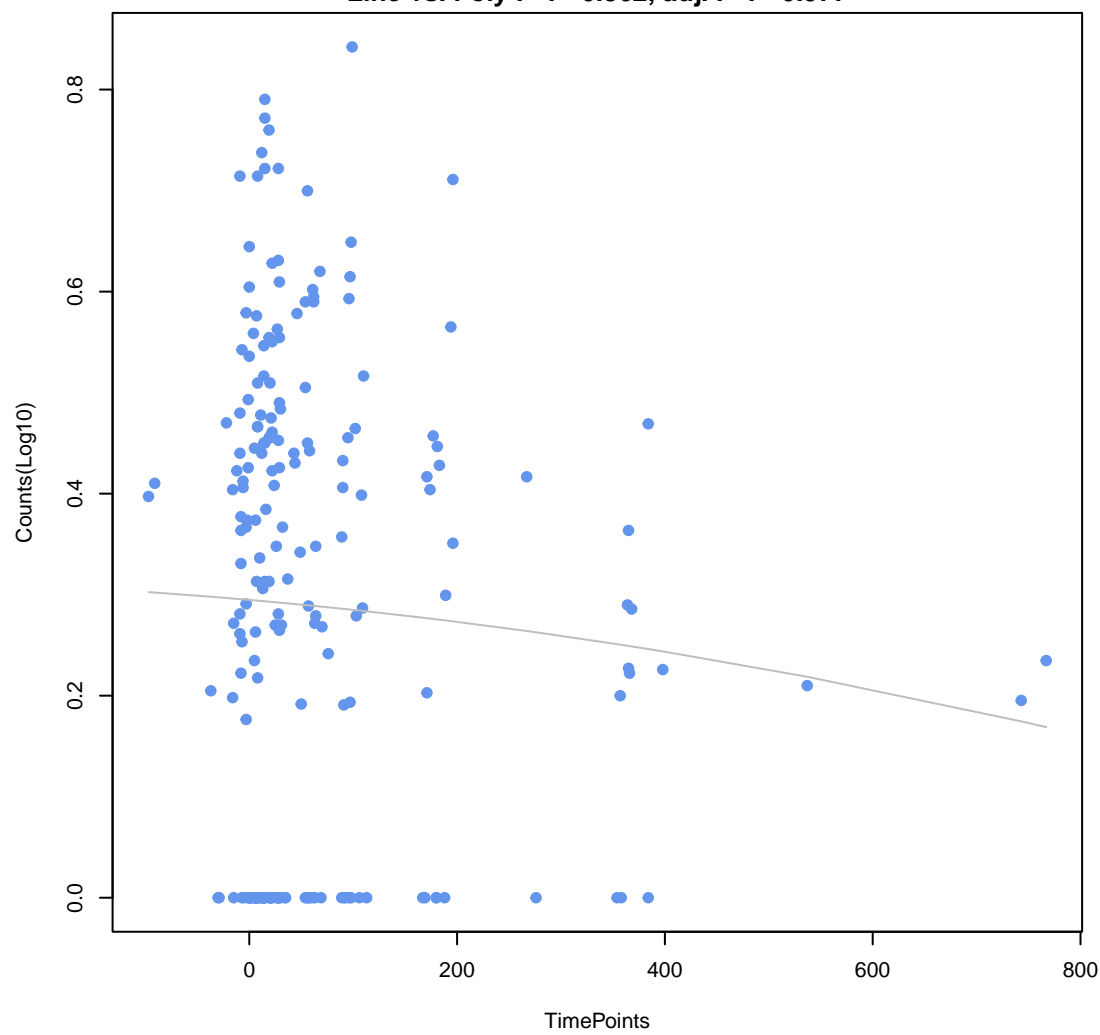
**poxA**  
ANOVA P=0.703, adj. ANOVA-P=0.903  
Line vs. Poly F-P=0.837, adj. F-P=0.977



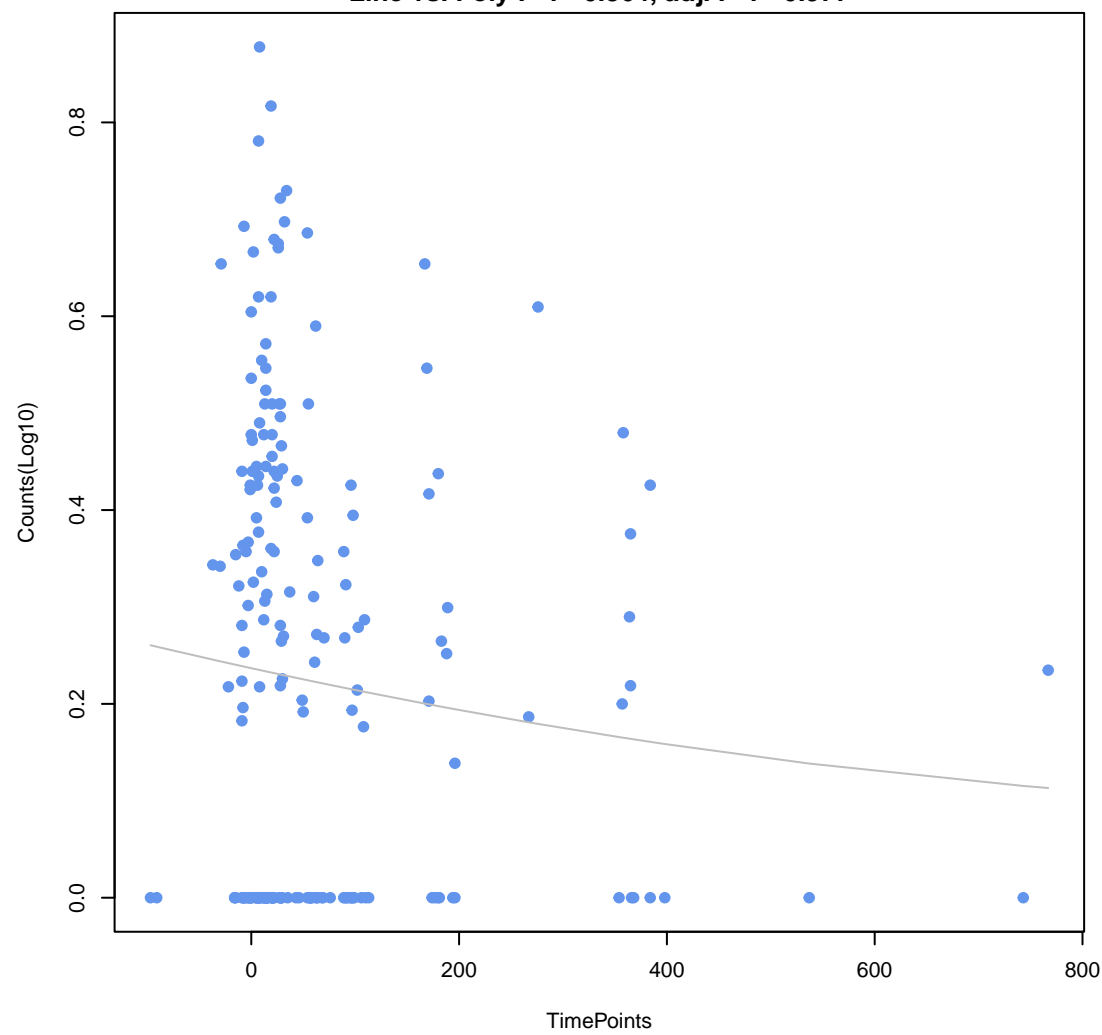
**fexA**  
ANOVA P=0.919, adj. ANOVA-P=0.962  
Line vs. Poly F-P=0.846, adj. F-P=0.977



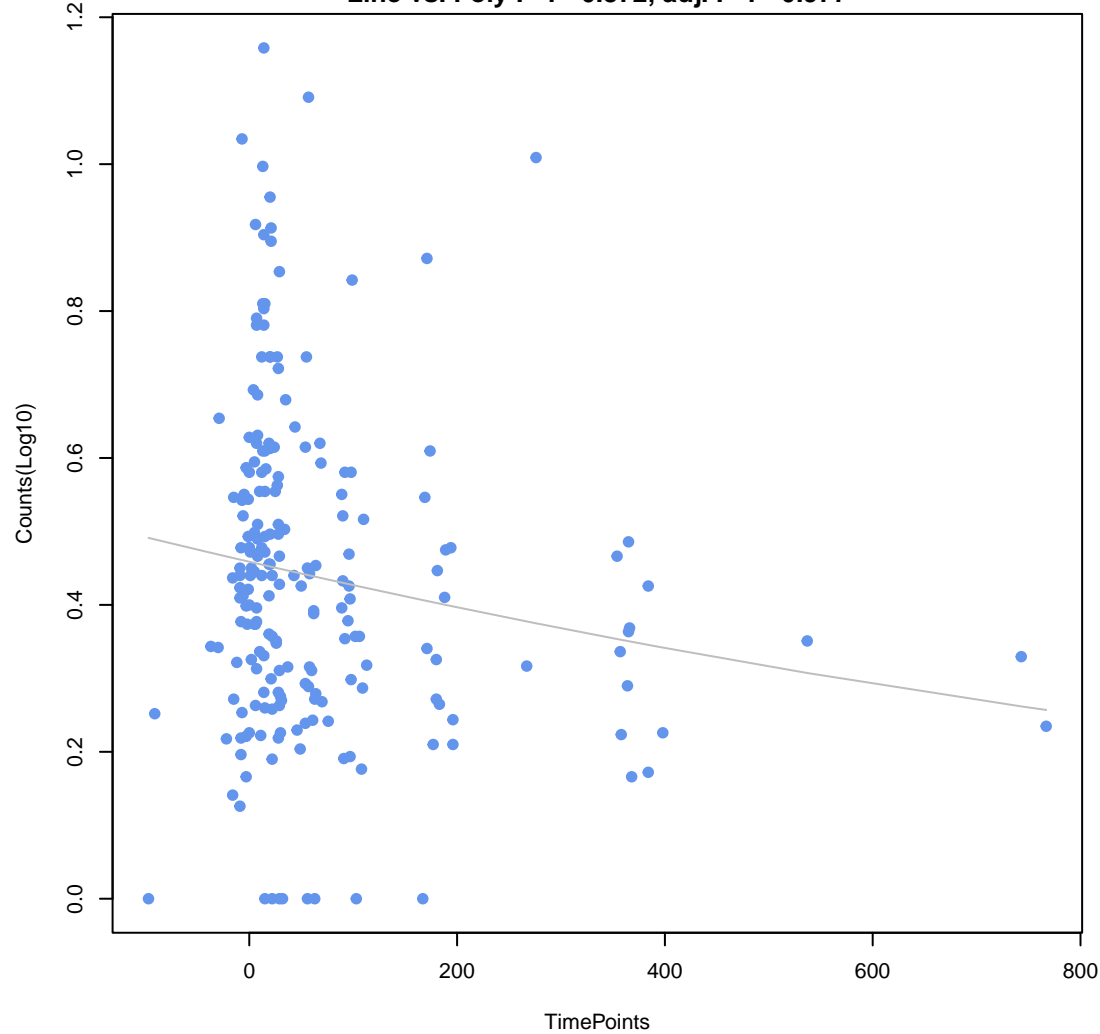
**mdtC**  
ANOVA P=0.601, adj. ANOVA-P=0.842  
Line vs. Poly F-P=0.862, adj. F-P=0.977



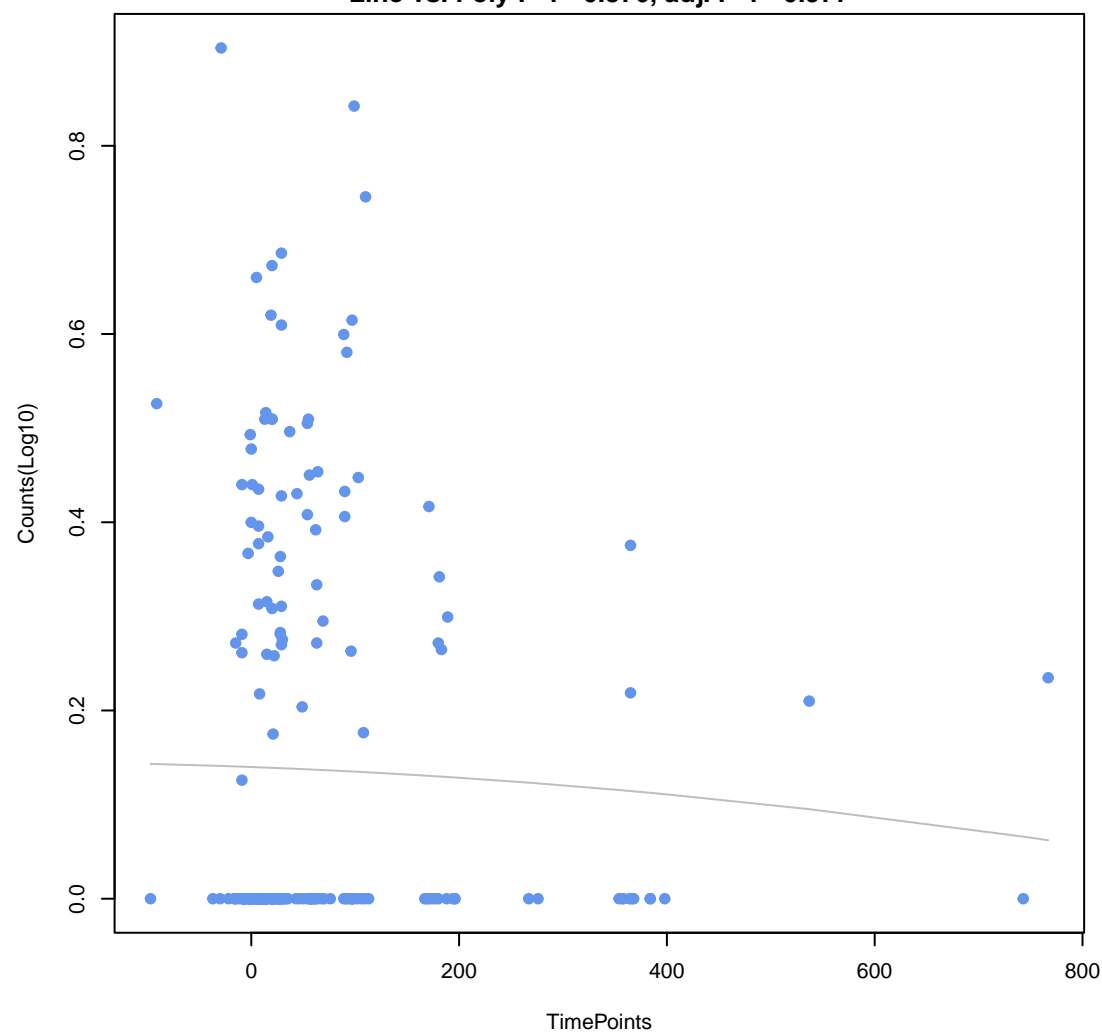
**vanA**  
ANOVA P=0.388, adj. ANOVA-P=0.782  
Line vs. Poly F-P=0.864, adj. F-P=0.977



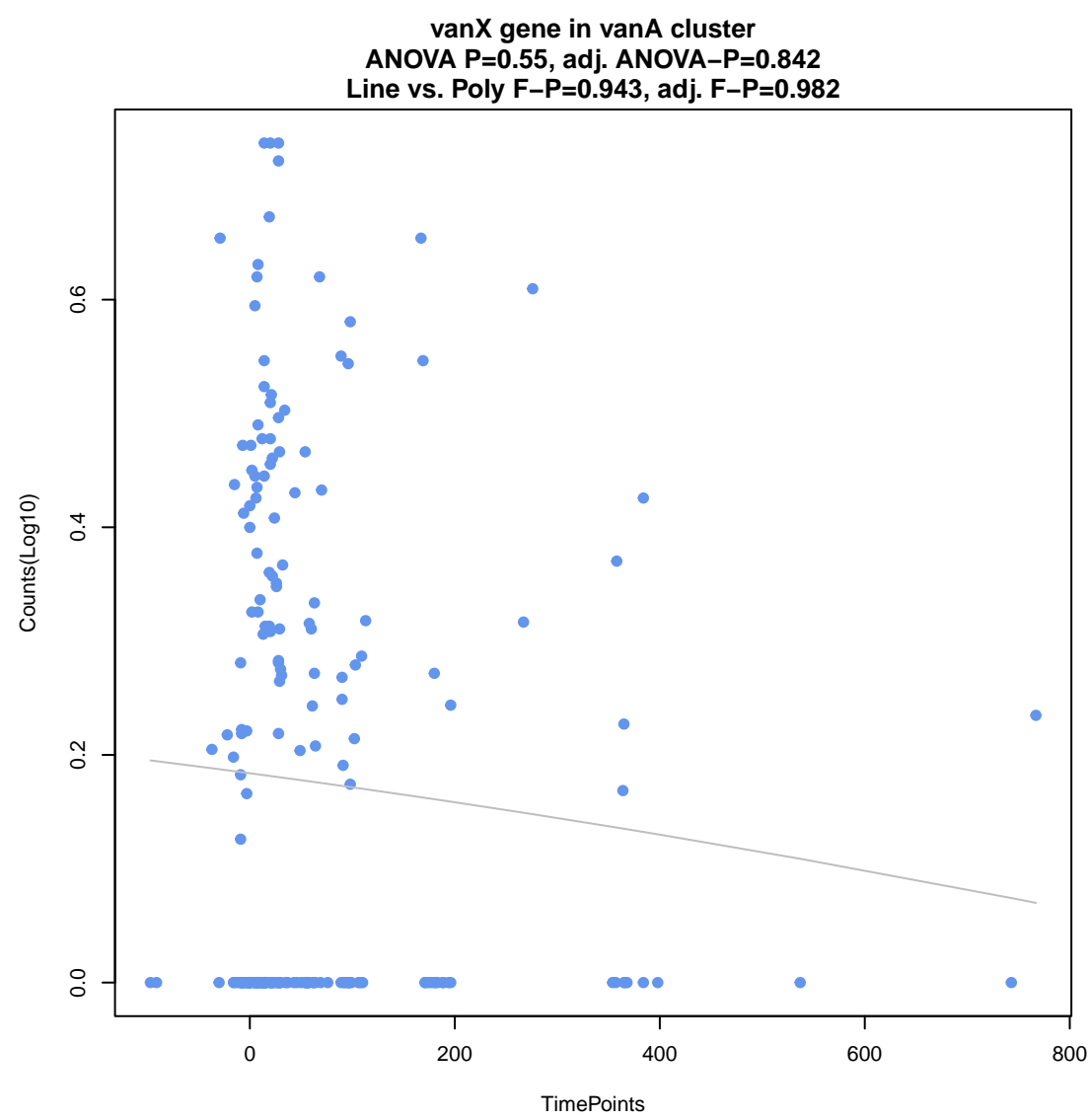
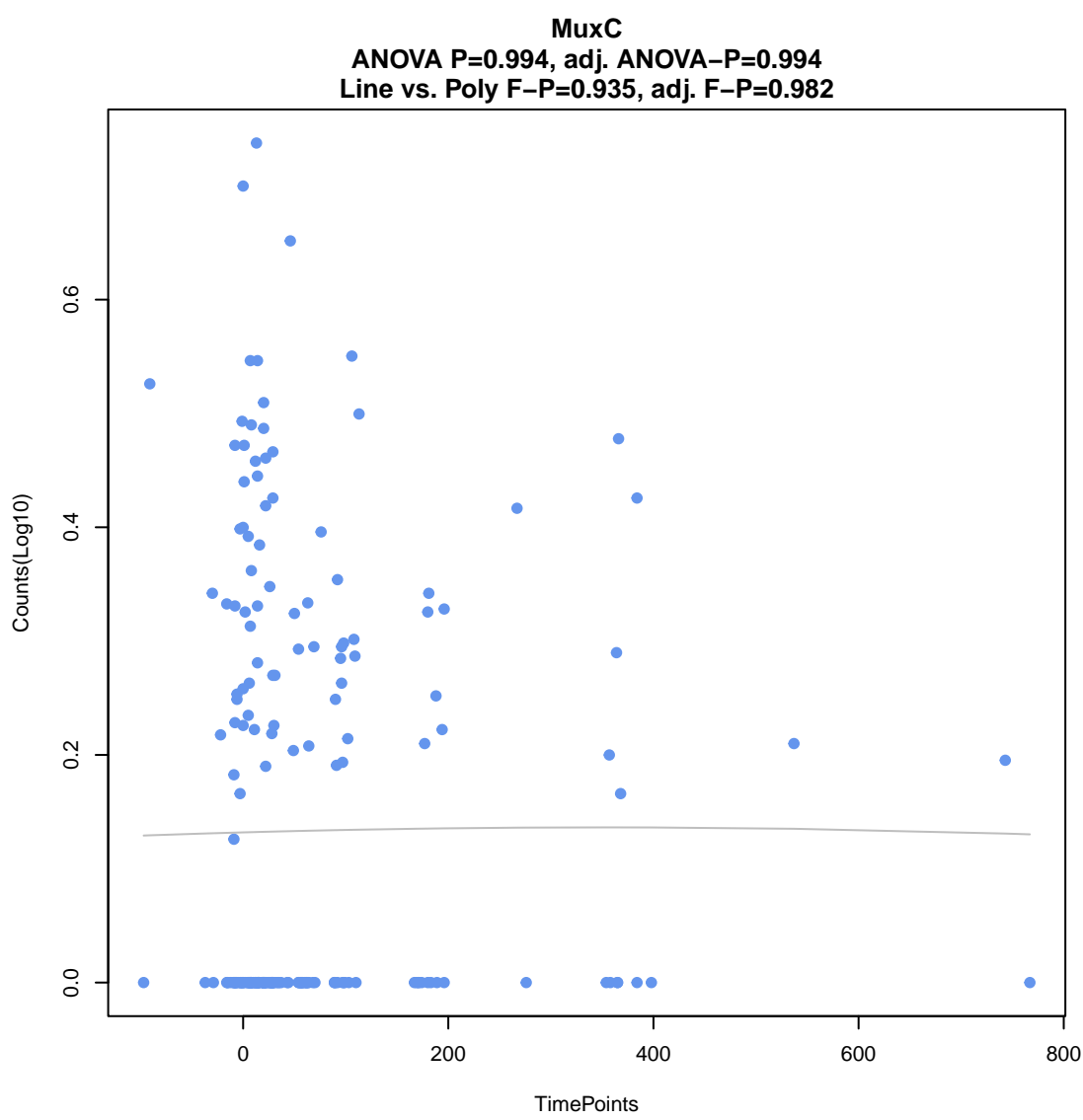
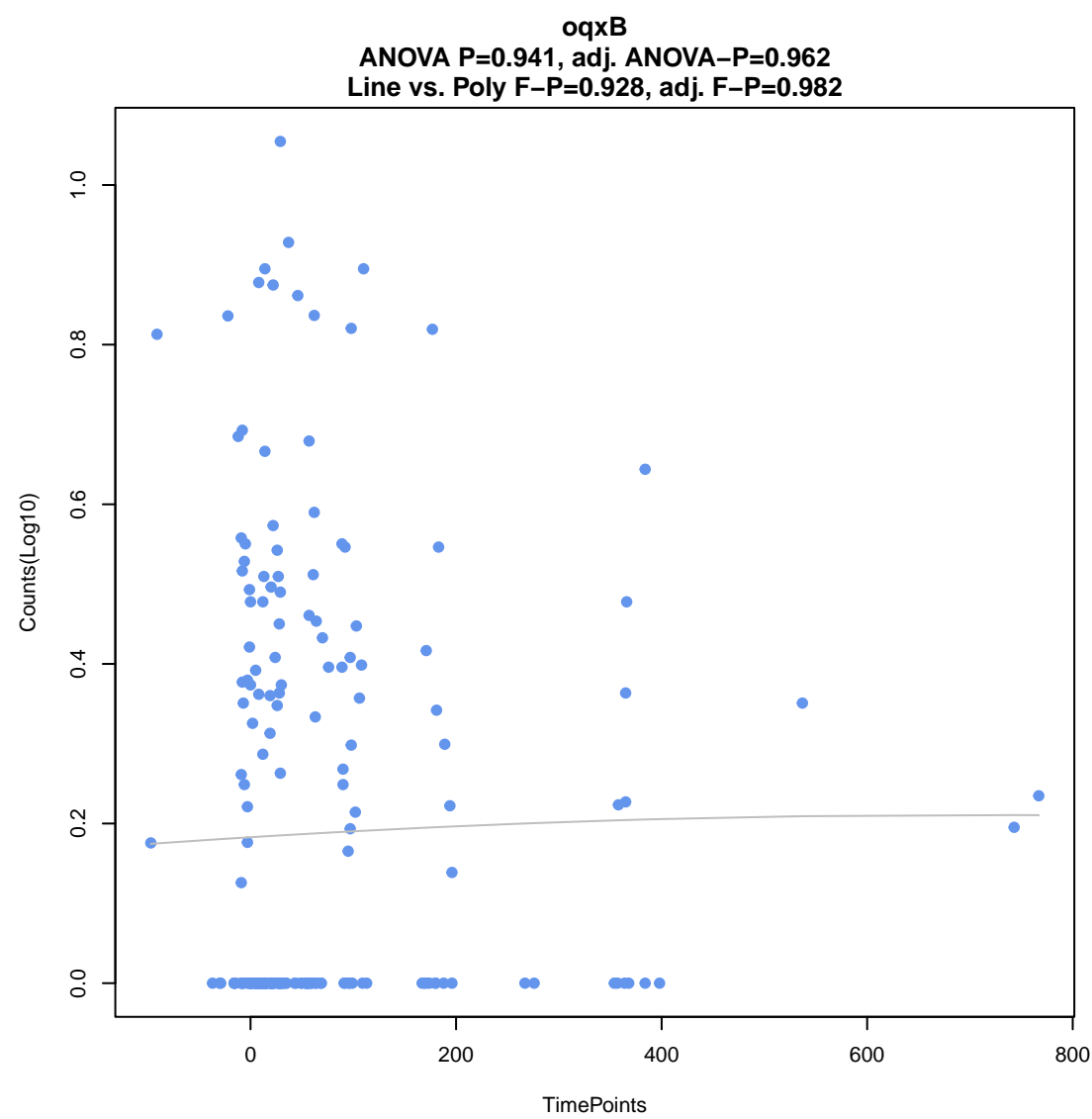
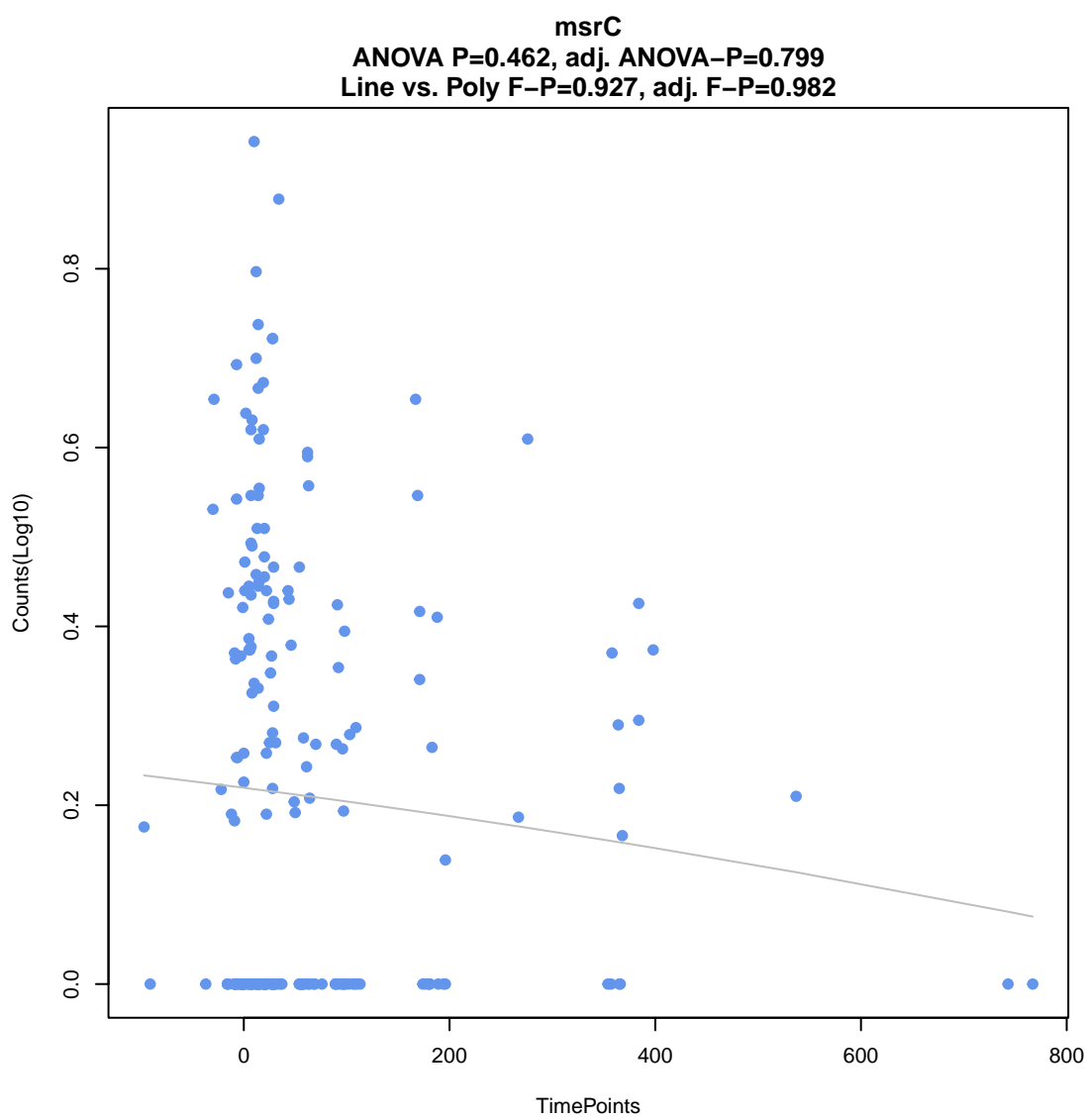
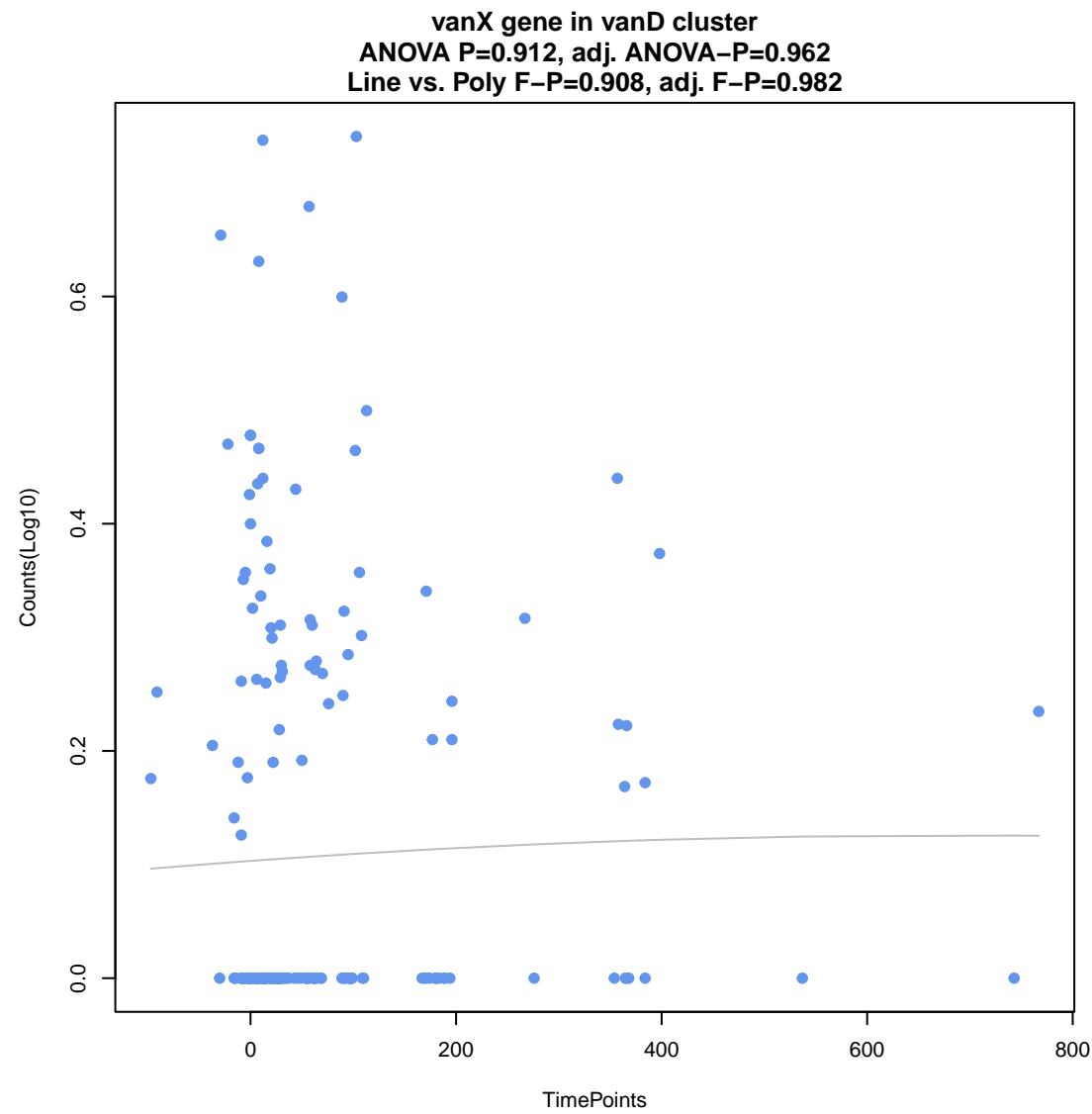
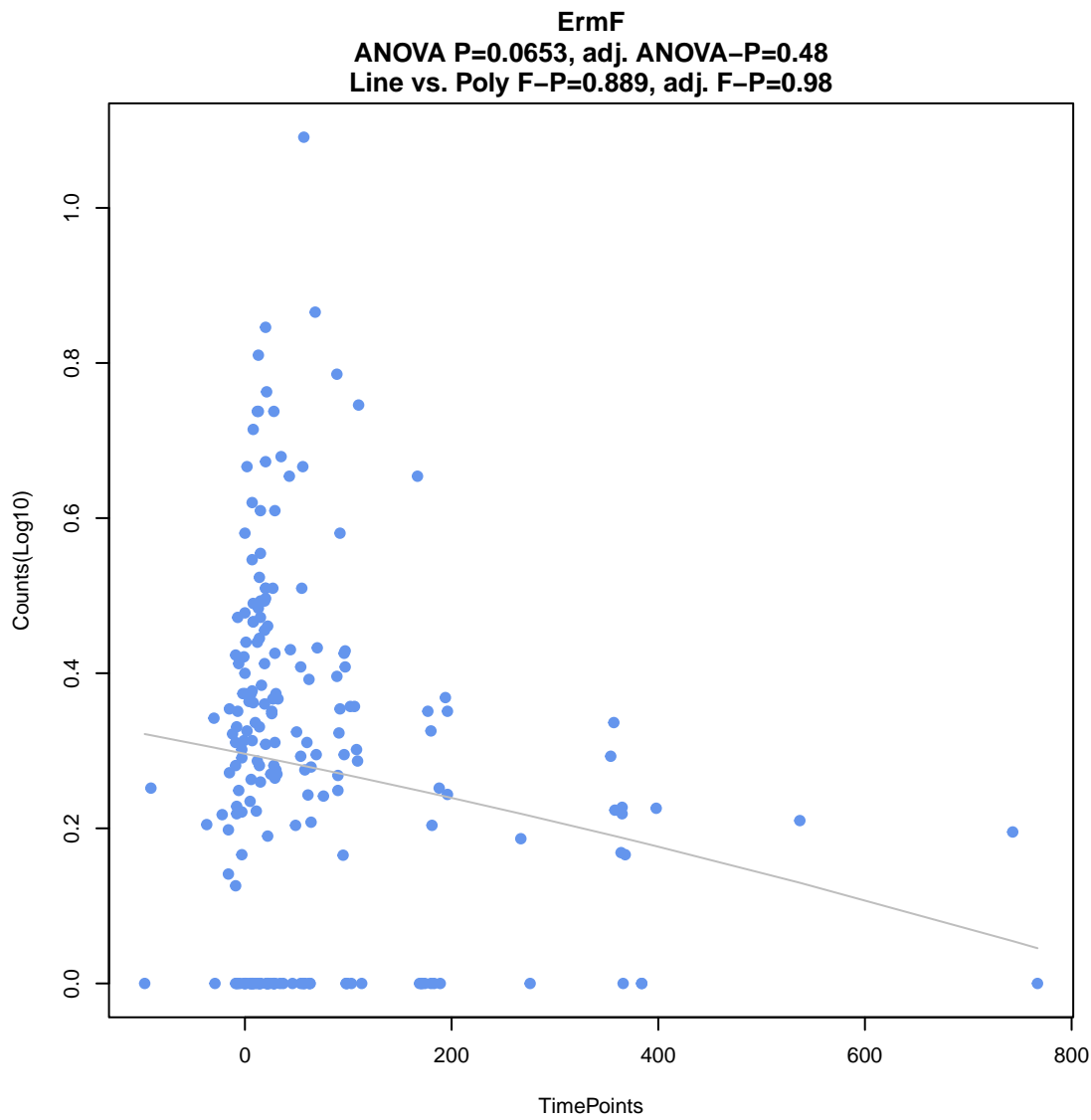
**tet(W)**  
ANOVA P=0.0763, adj. ANOVA-P=0.48  
Line vs. Poly F-P=0.872, adj. F-P=0.977



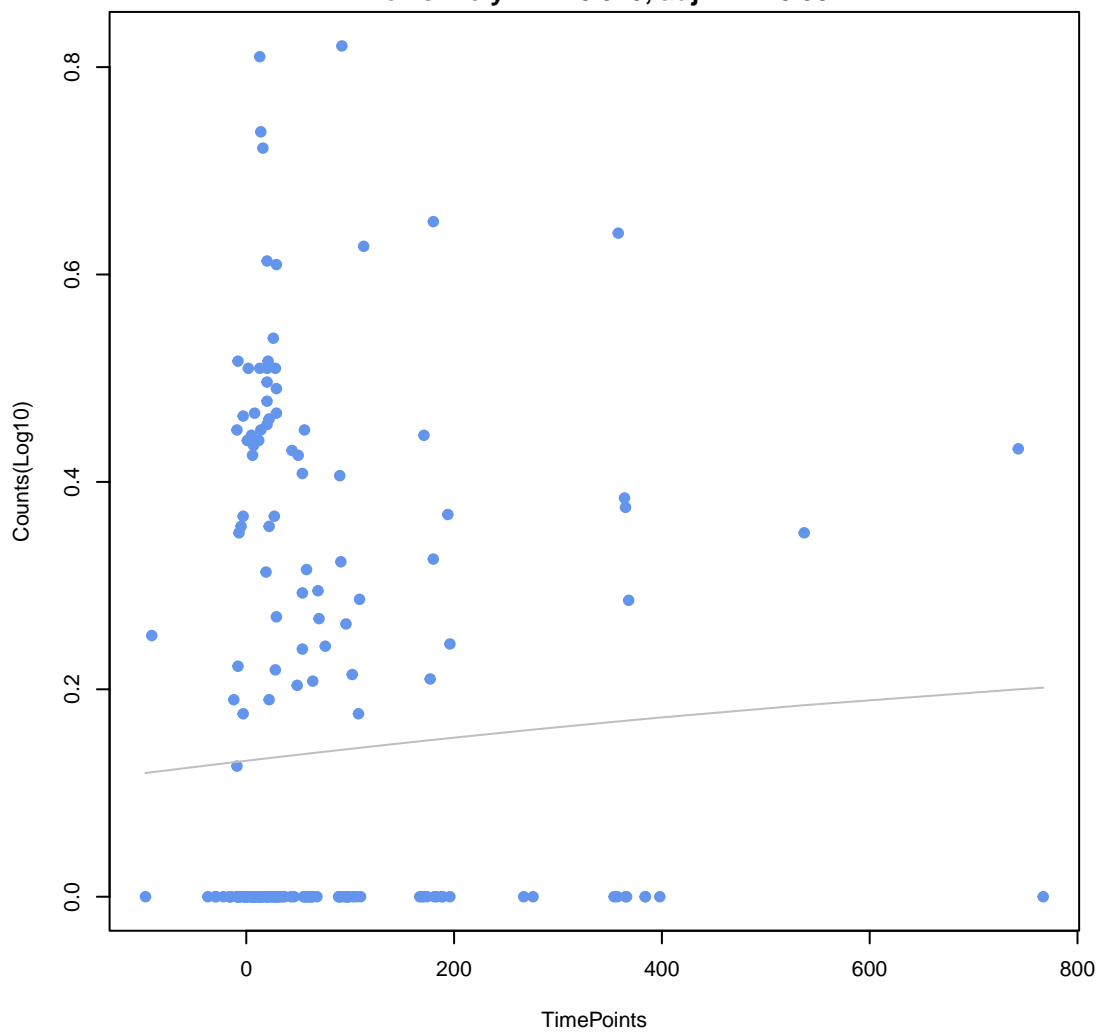
**tetB(60)**  
ANOVA P=0.802, adj. ANOVA-P=0.957  
Line vs. Poly F-P=0.876, adj. F-P=0.977



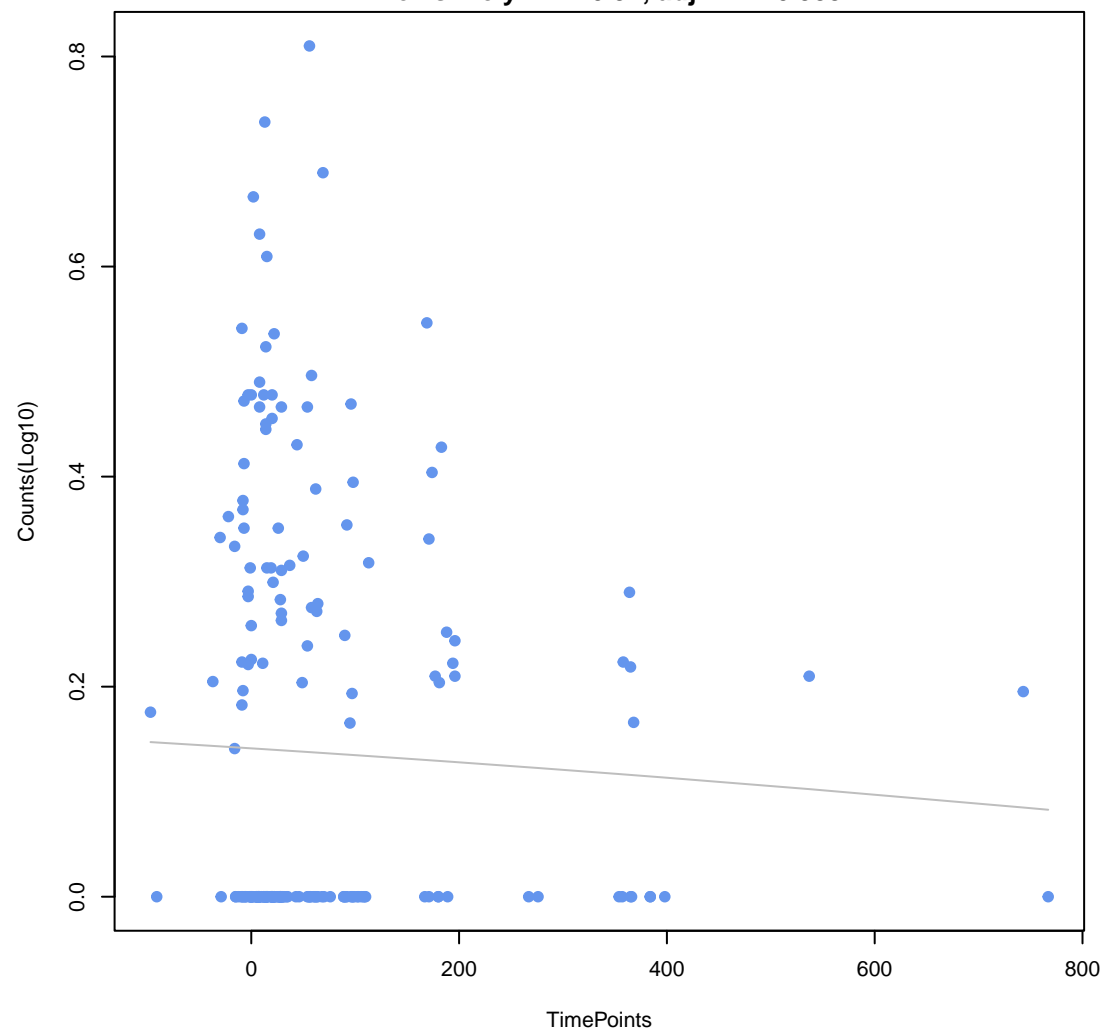




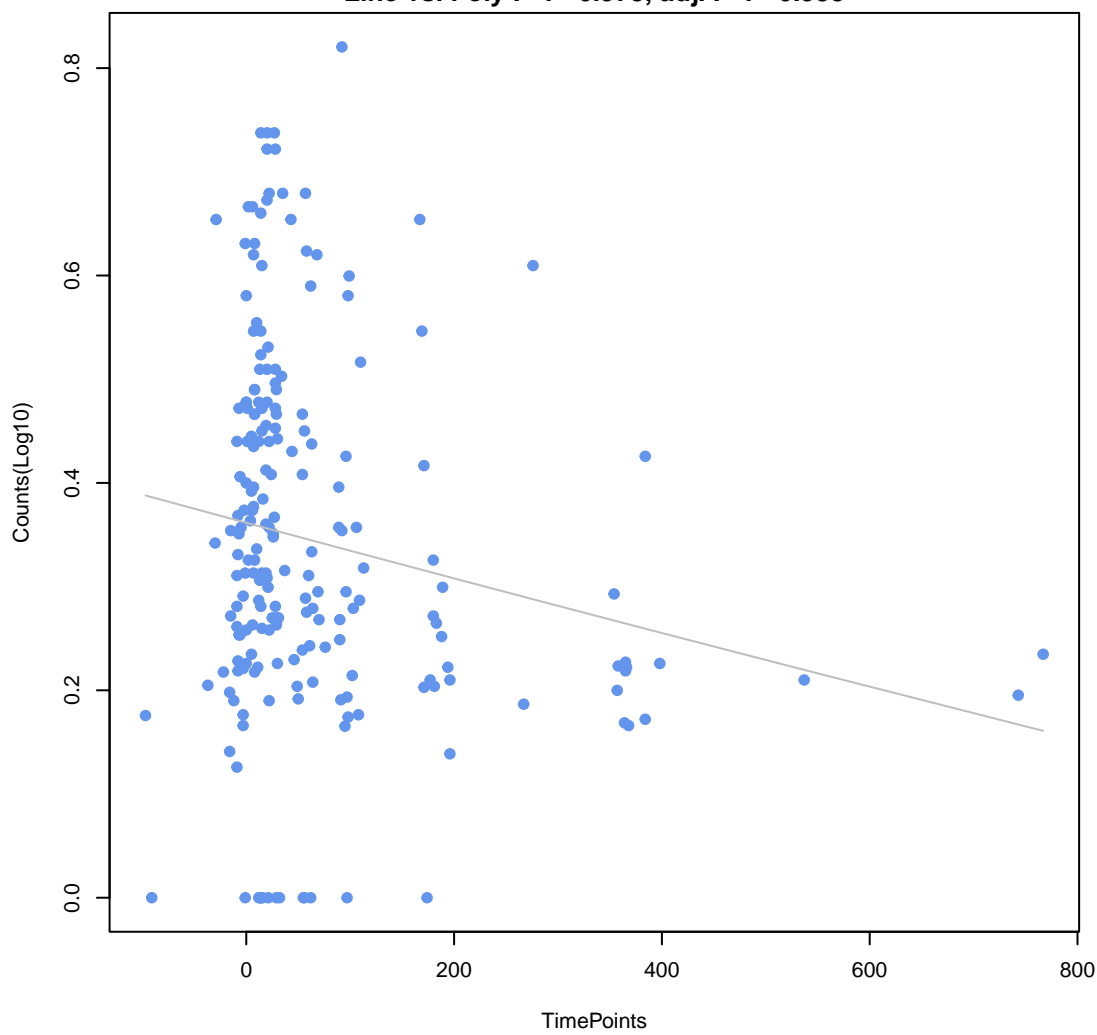
**mdeA**  
ANOVA P=0.709, adj. ANOVA-P=0.903  
Line vs. Poly F-P=0.945, adj. F-P=0.982



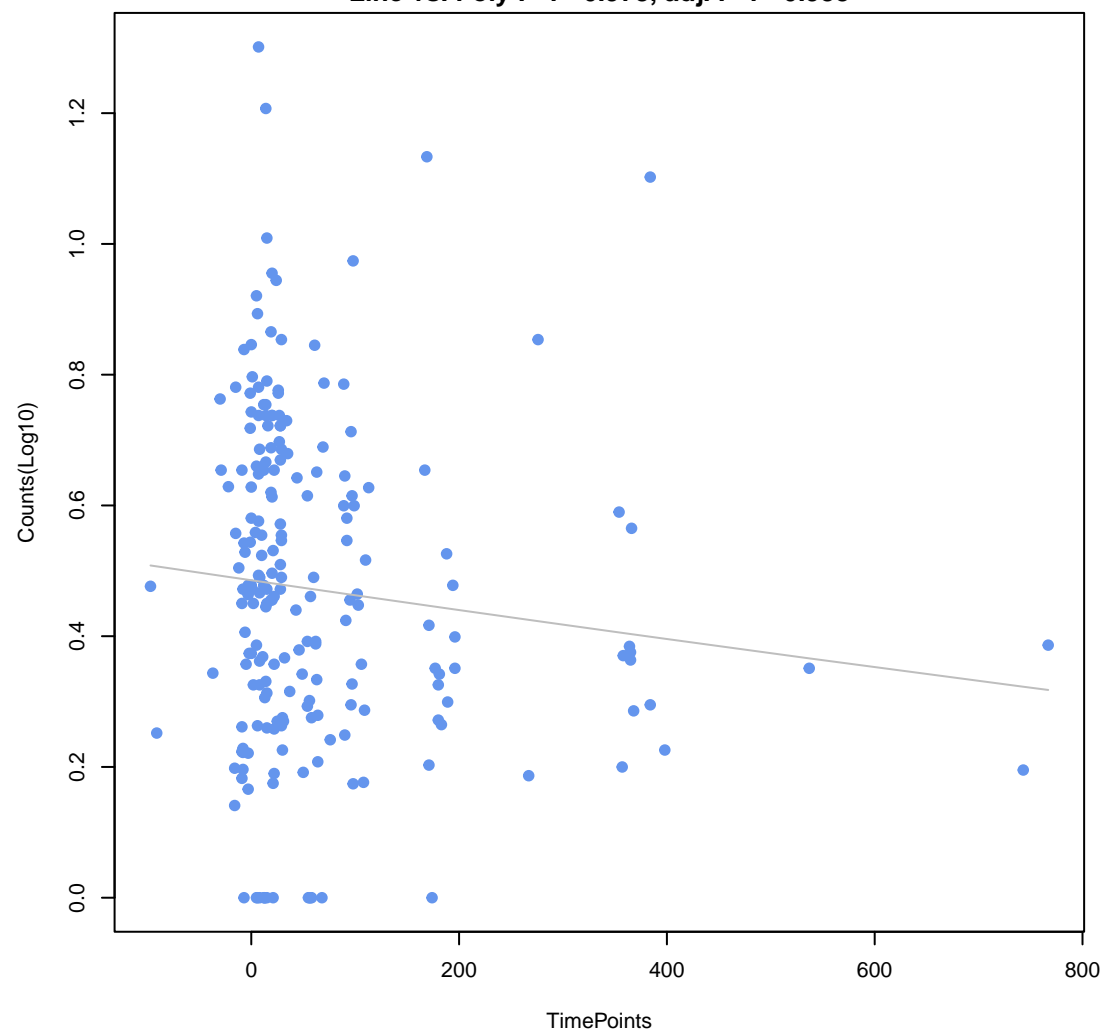
**Bifidobacterium bifidum ileS conferring resistance to mupirocin**  
ANOVA P=0.818, adj. ANOVA-P=0.961  
Line vs. Poly F-P=0.97, adj. F-P=0.988



**ErmB**  
ANOVA P=0.035, adj. ANOVA-P=0.416  
Line vs. Poly F-P=0.978, adj. F-P=0.988



**tet(M)**  
ANOVA P=0.314, adj. ANOVA-P=0.762  
Line vs. Poly F-P=0.978, adj. F-P=0.988



**mdtF**  
ANOVA P=0.146, adj. ANOVA-P=0.65  
Line vs. Poly F-P=0.999, adj. F-P=0.999

