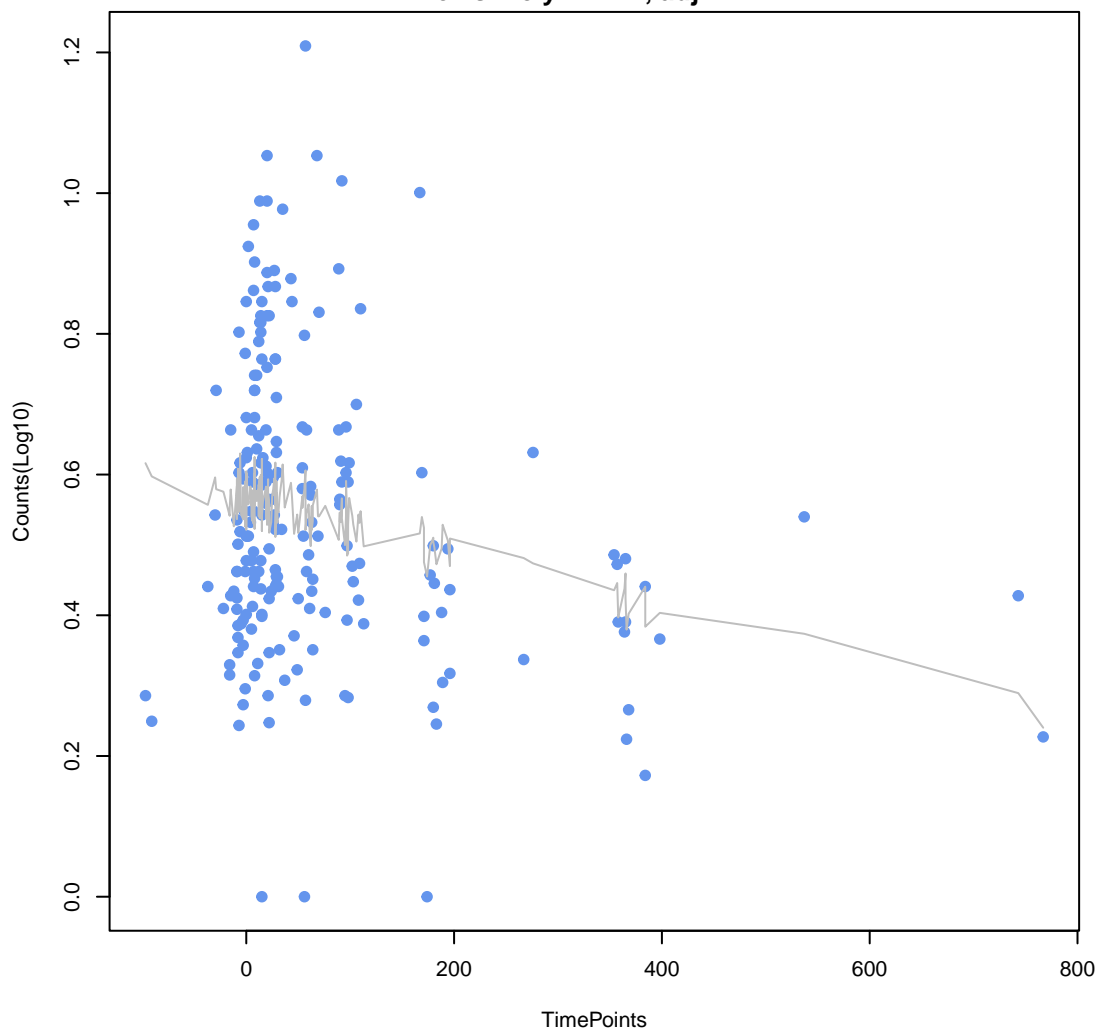
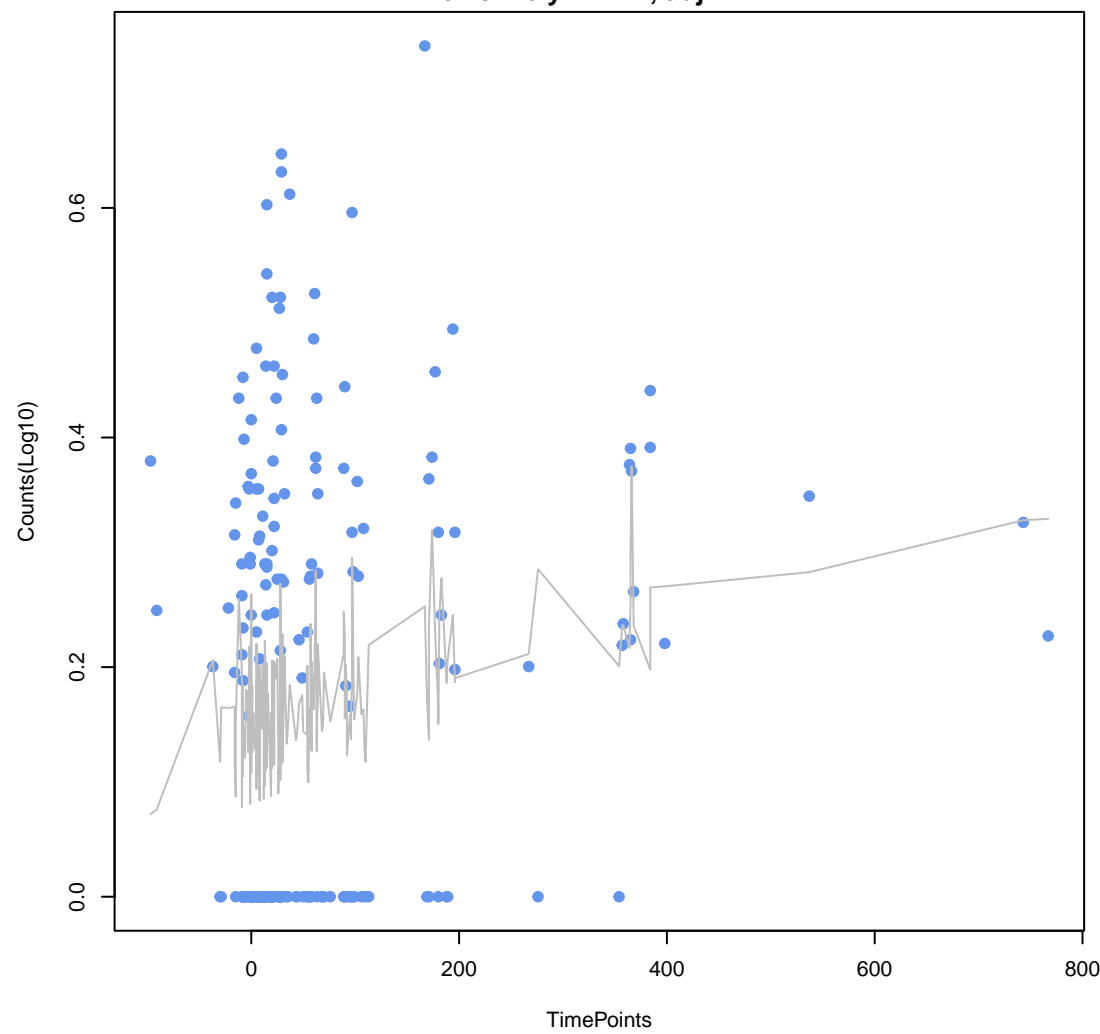


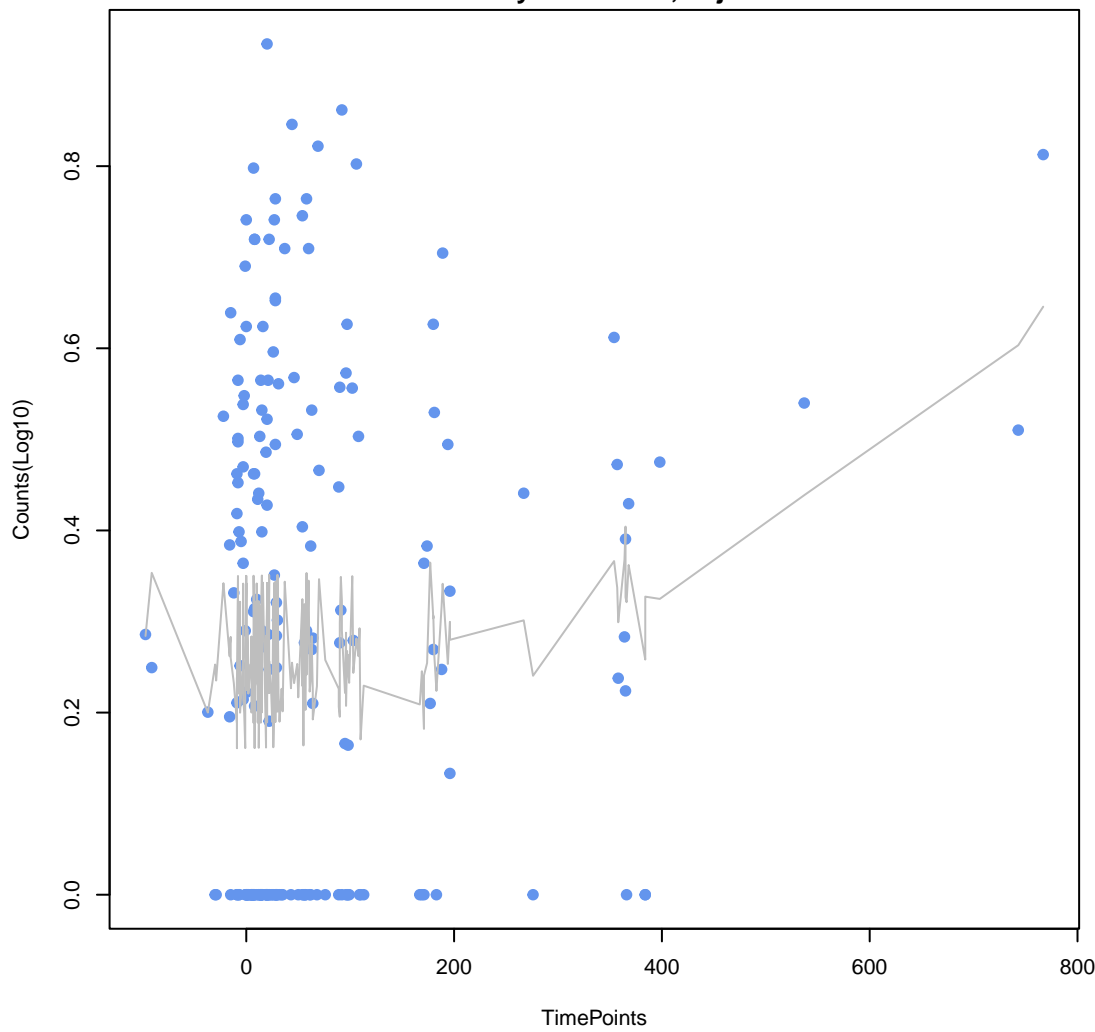
**Erm 23S ribosomal RNA methyltransferase**  
ANOVA  $P=0.0037$ , adj. ANOVA- $P=0.0962$   
Line vs. Poly F- $P=1$ , adj. F- $P=1$



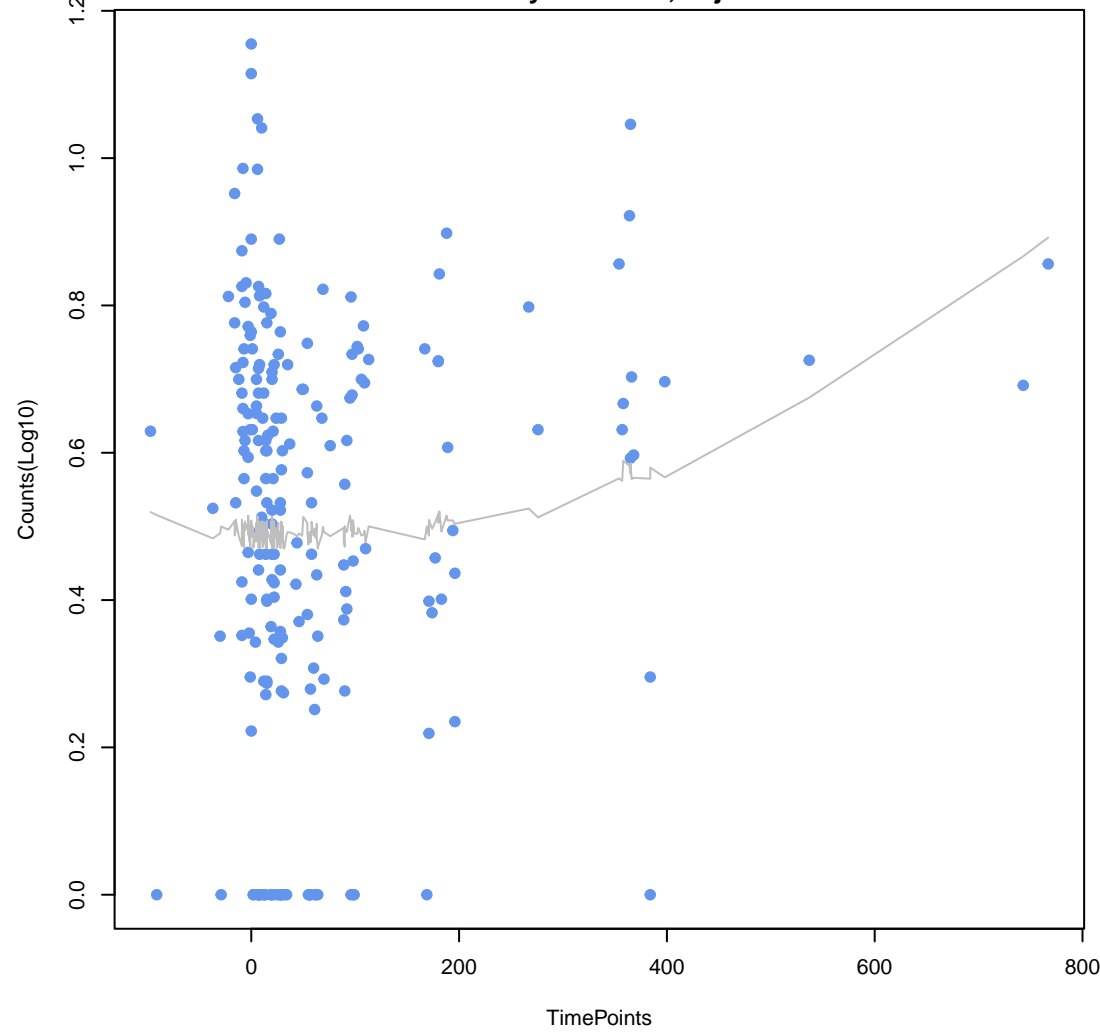
**undecaprenyl pyrophosphate related proteins**  
ANOVA  $P=0.0246$ , adj. ANOVA- $P=0.319$   
Line vs. Poly F- $P=1$ , adj. F- $P=1$



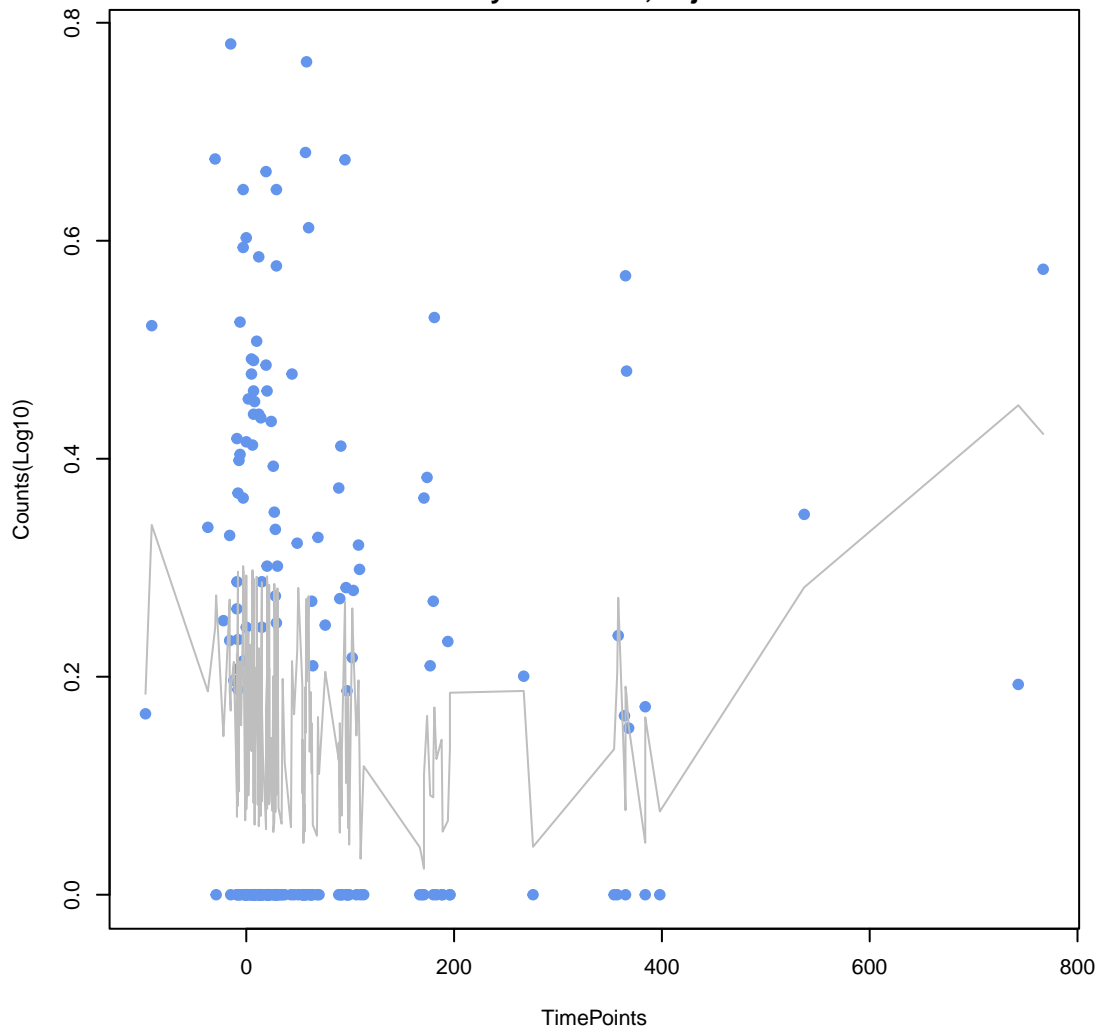
**tetracycline-resistant ribosomal protection protein**  
ANOVA  $P=0.0714$ , adj. ANOVA- $P=0.554$   
Line vs. Poly F- $P=0.655$ , adj. F- $P=1$



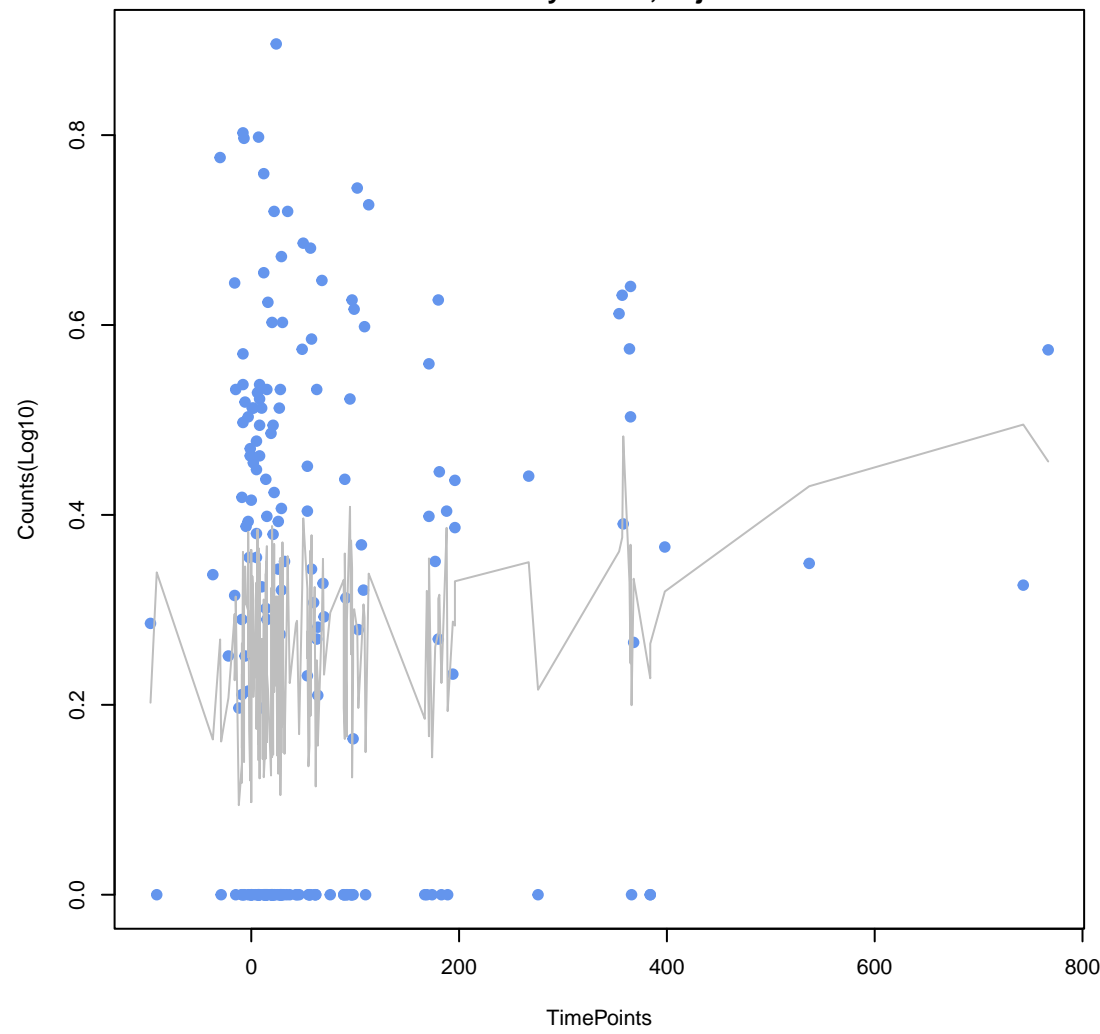
**BlaB beta-lactamase**  
ANOVA  $P=0.0852$ , adj. ANOVA- $P=0.554$   
Line vs. Poly F- $P=0.28$ , adj. F- $P=1$



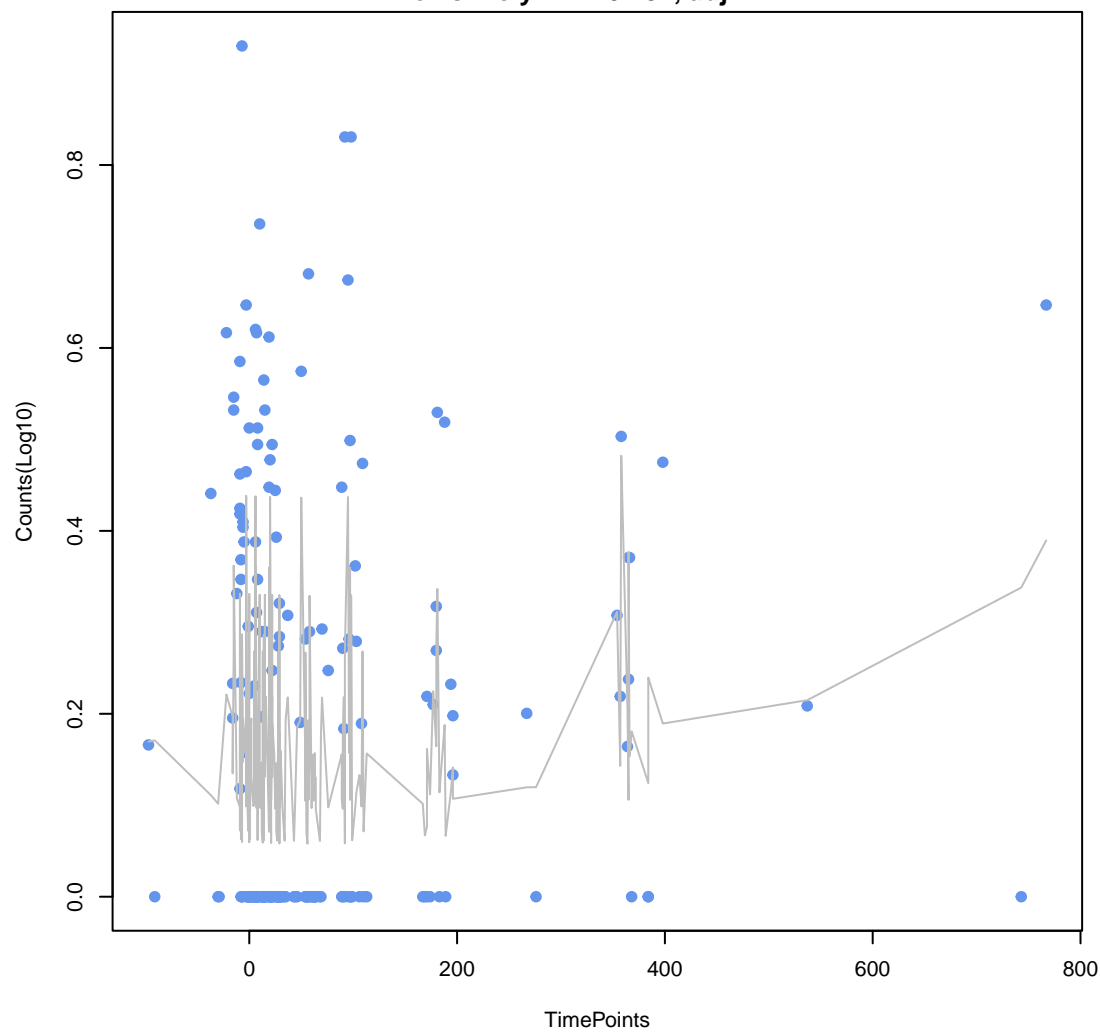
**PDC beta-lactamase**  
ANOVA  $P=0.115$ , adj. ANOVA- $P=0.596$   
Line vs. Poly F- $P=0.101$ , adj. F- $P=0.983$



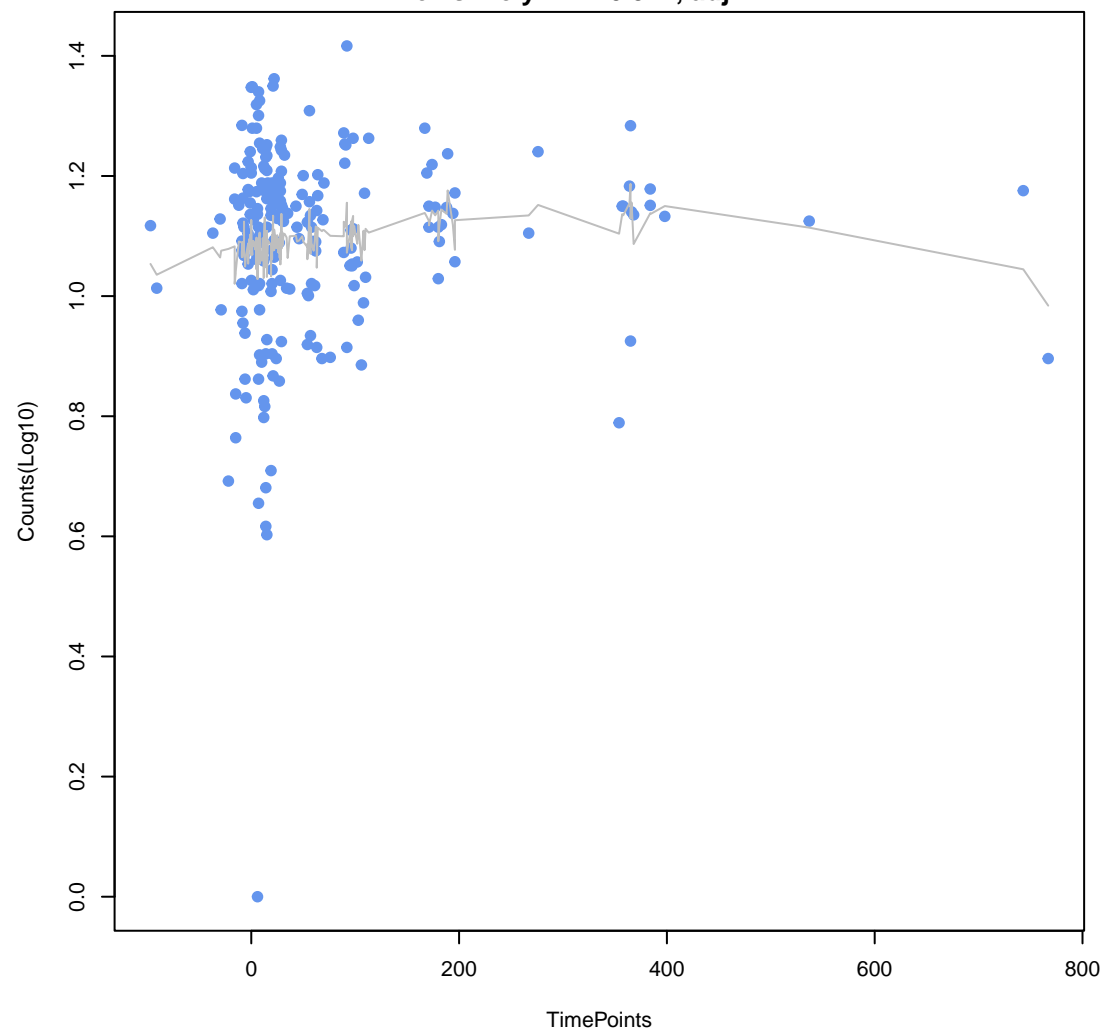
**ANA beta-lactamase**  
ANOVA  $P=0.145$ , adj. ANOVA- $P=0.605$   
Line vs. Poly F- $P=1$ , adj. F- $P=1$



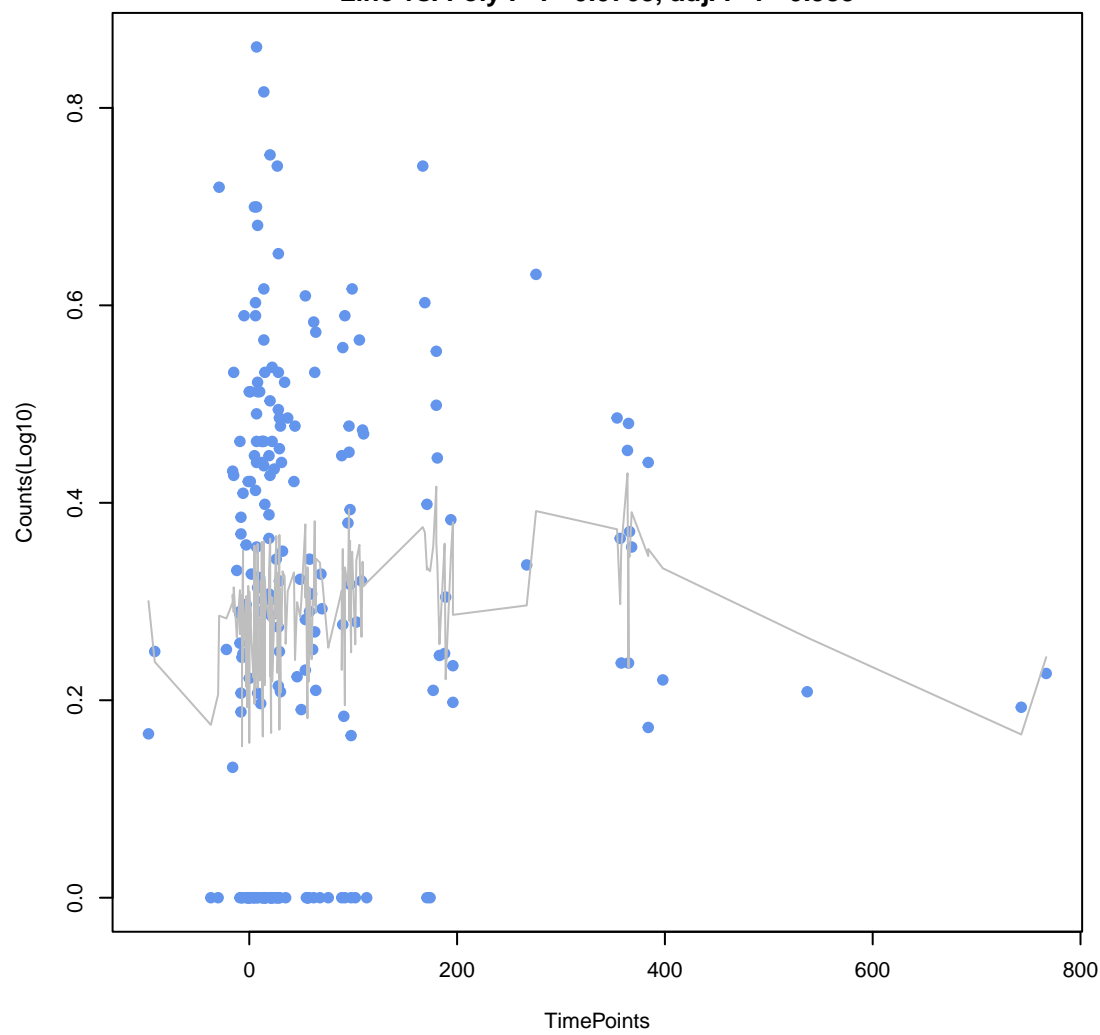
**APH(6)**  
ANOVA P=0.164, adj. ANOVA-P=0.605  
Line vs. Poly F-P=0.231, adj. F-P=1



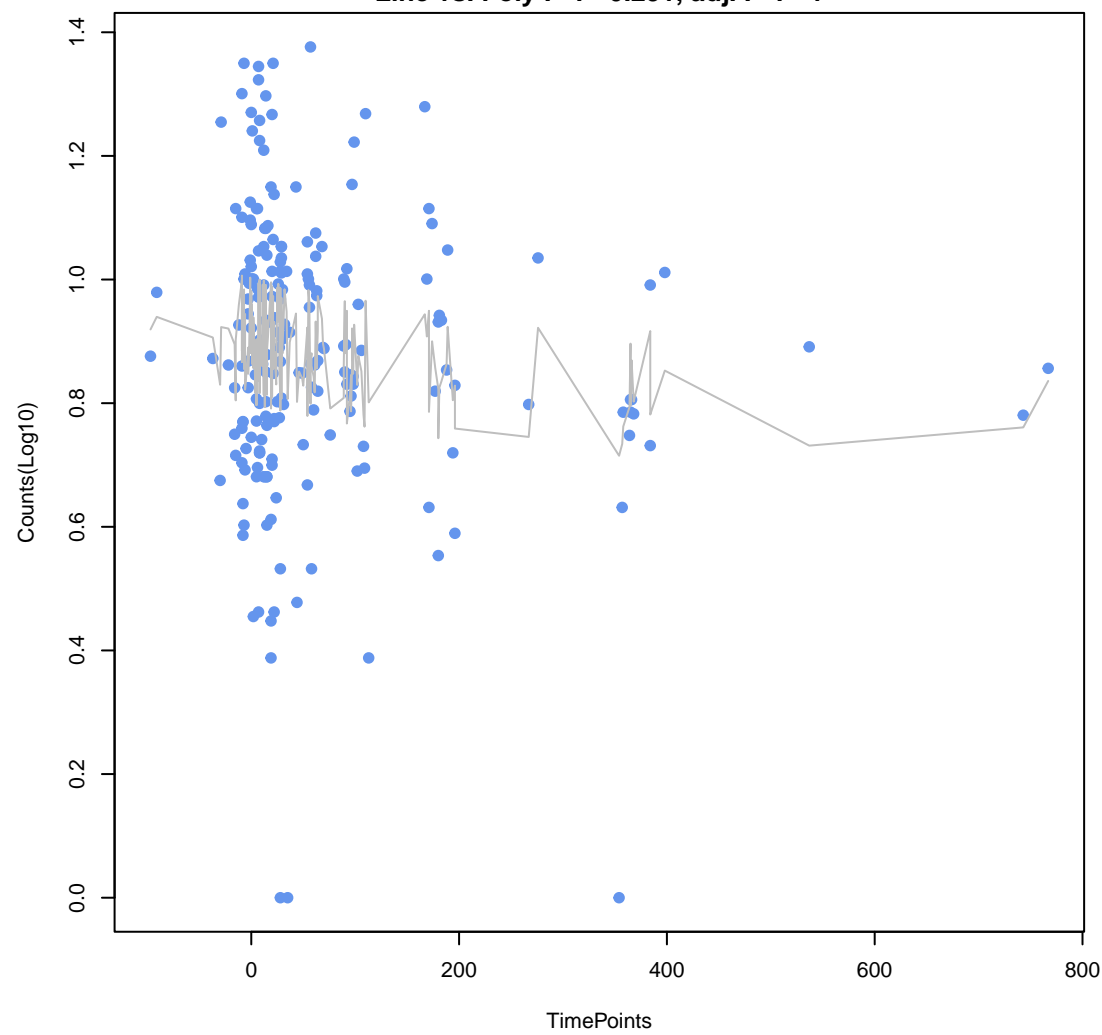
**major facilitator superfamily (MFS) antibiotic efflux pump**  
ANOVA P=0.204, adj. ANOVA-P=0.605  
Line vs. Poly F-P=0.522, adj. F-P=1



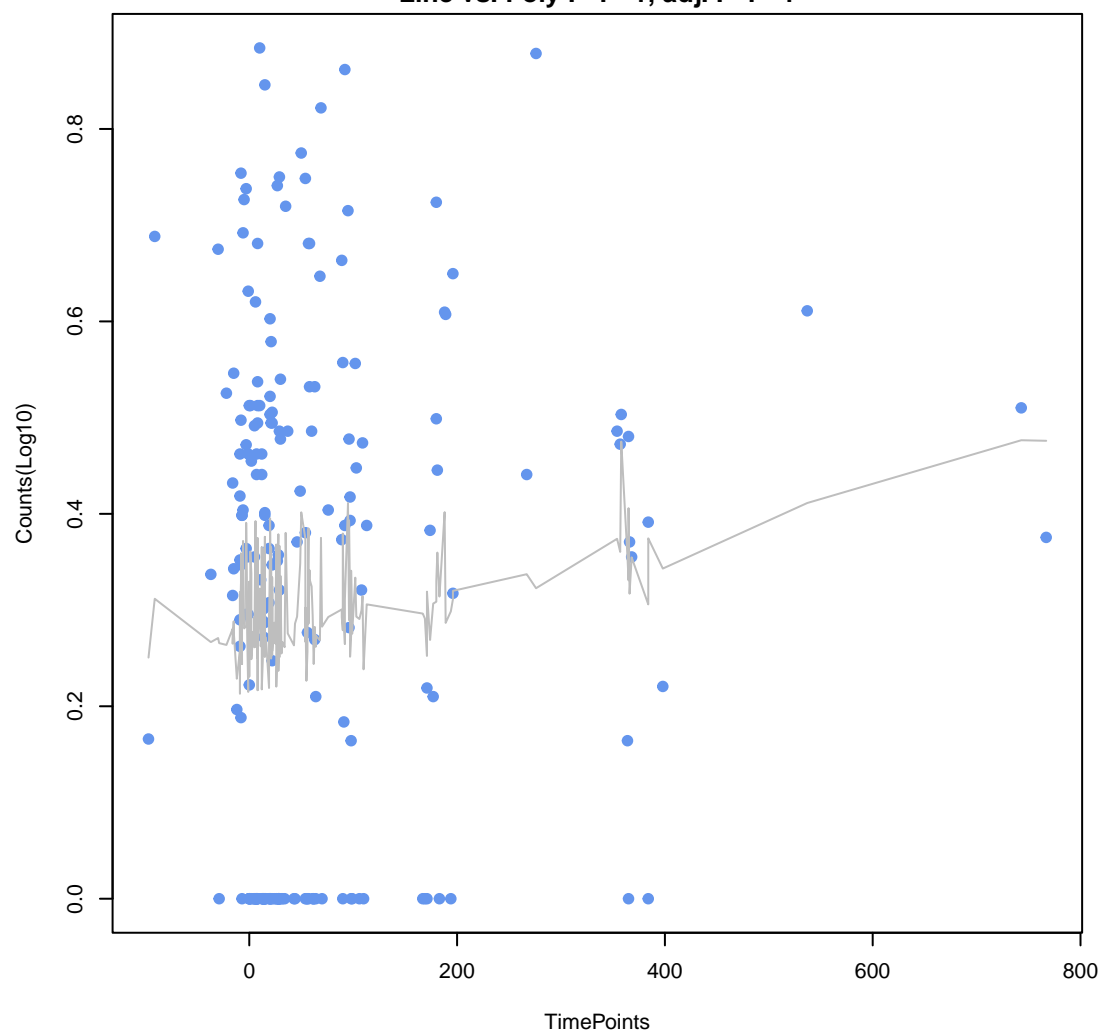
**streptothricin acetyltransferase (SAT)**  
ANOVA P=0.218, adj. ANOVA-P=0.605  
Line vs. Poly F-P=0.0763, adj. F-P=0.983



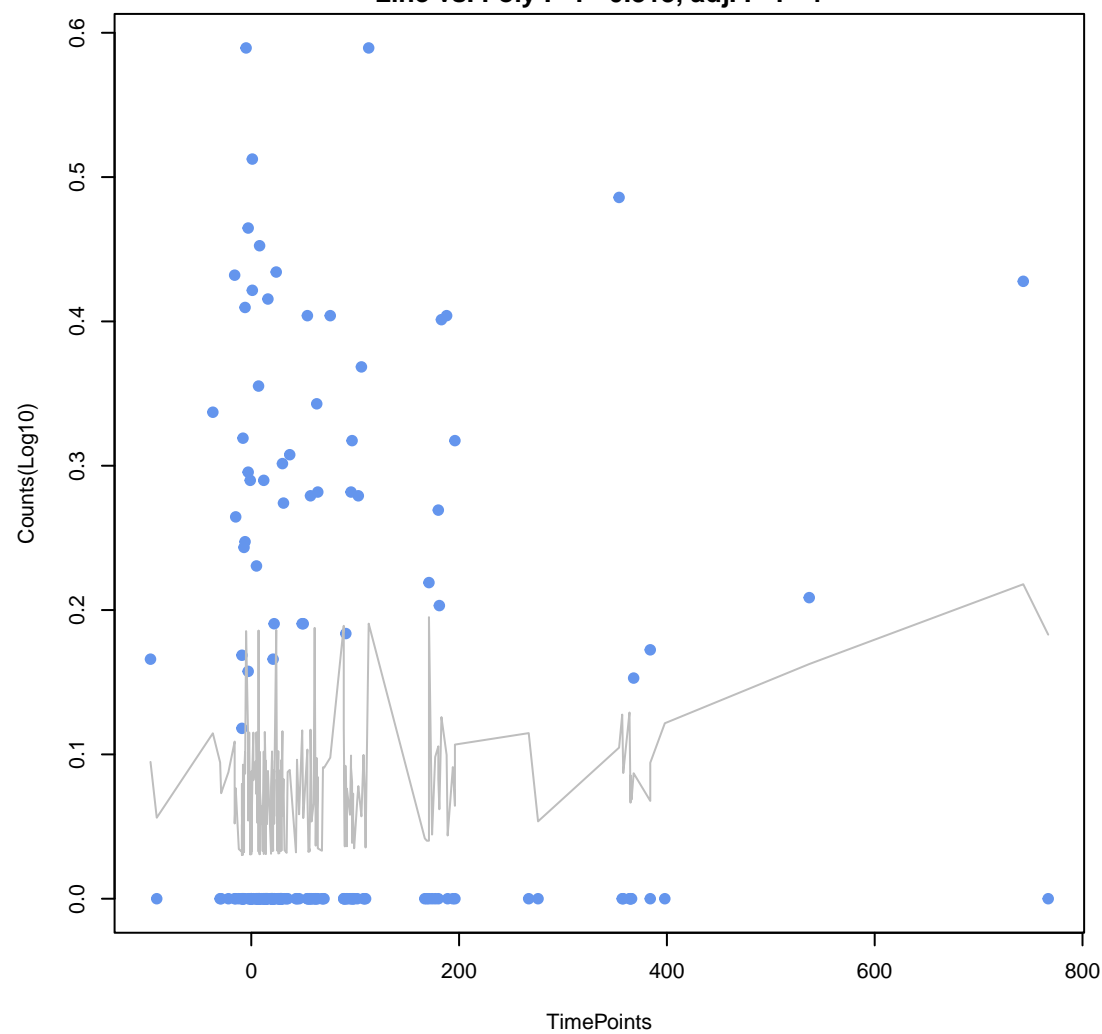
**ATP-binding cassette (ABC) antibiotic efflux pump**  
ANOVA P=0.246, adj. ANOVA-P=0.605  
Line vs. Poly F-P=0.291, adj. F-P=1

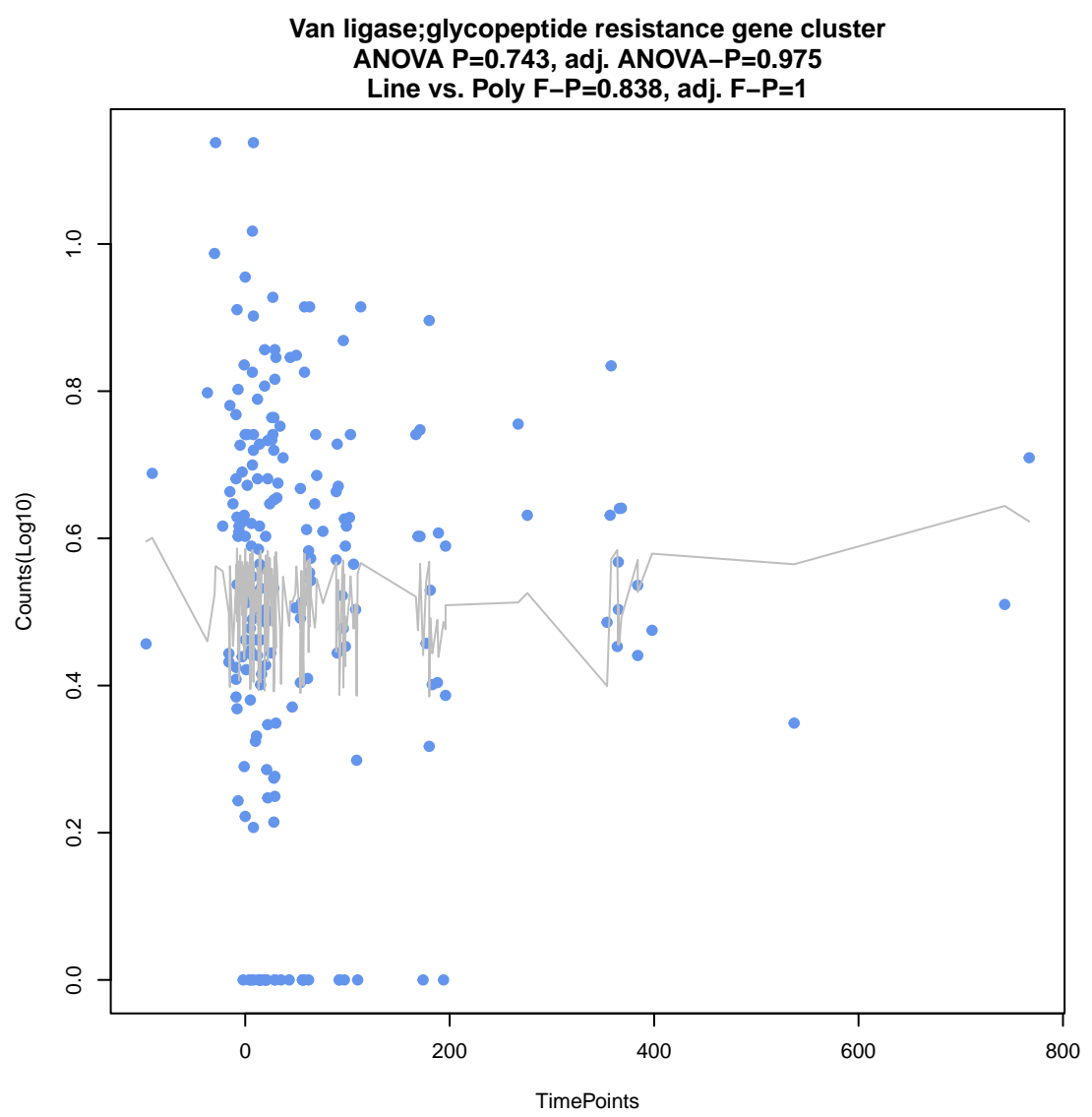
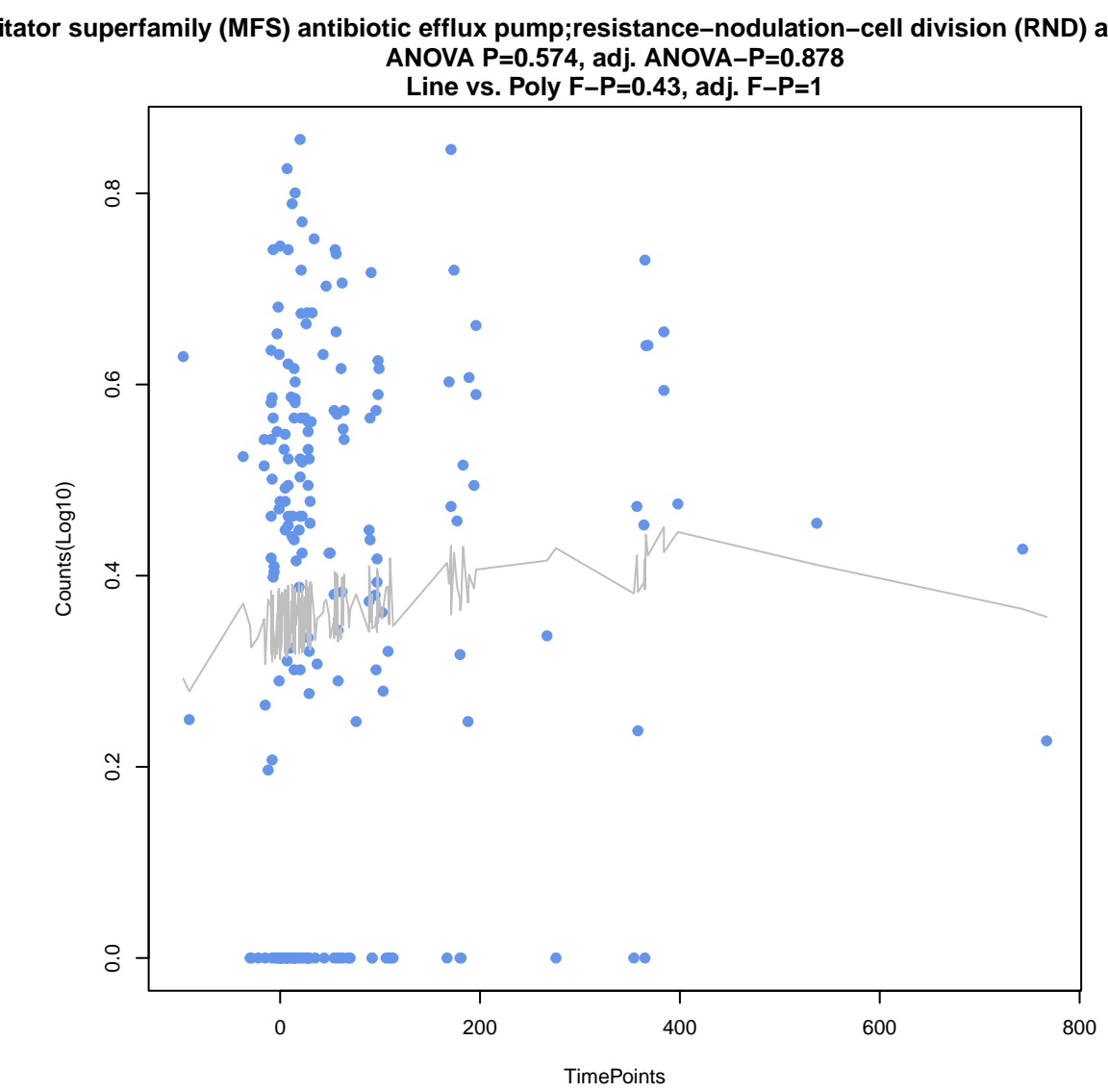
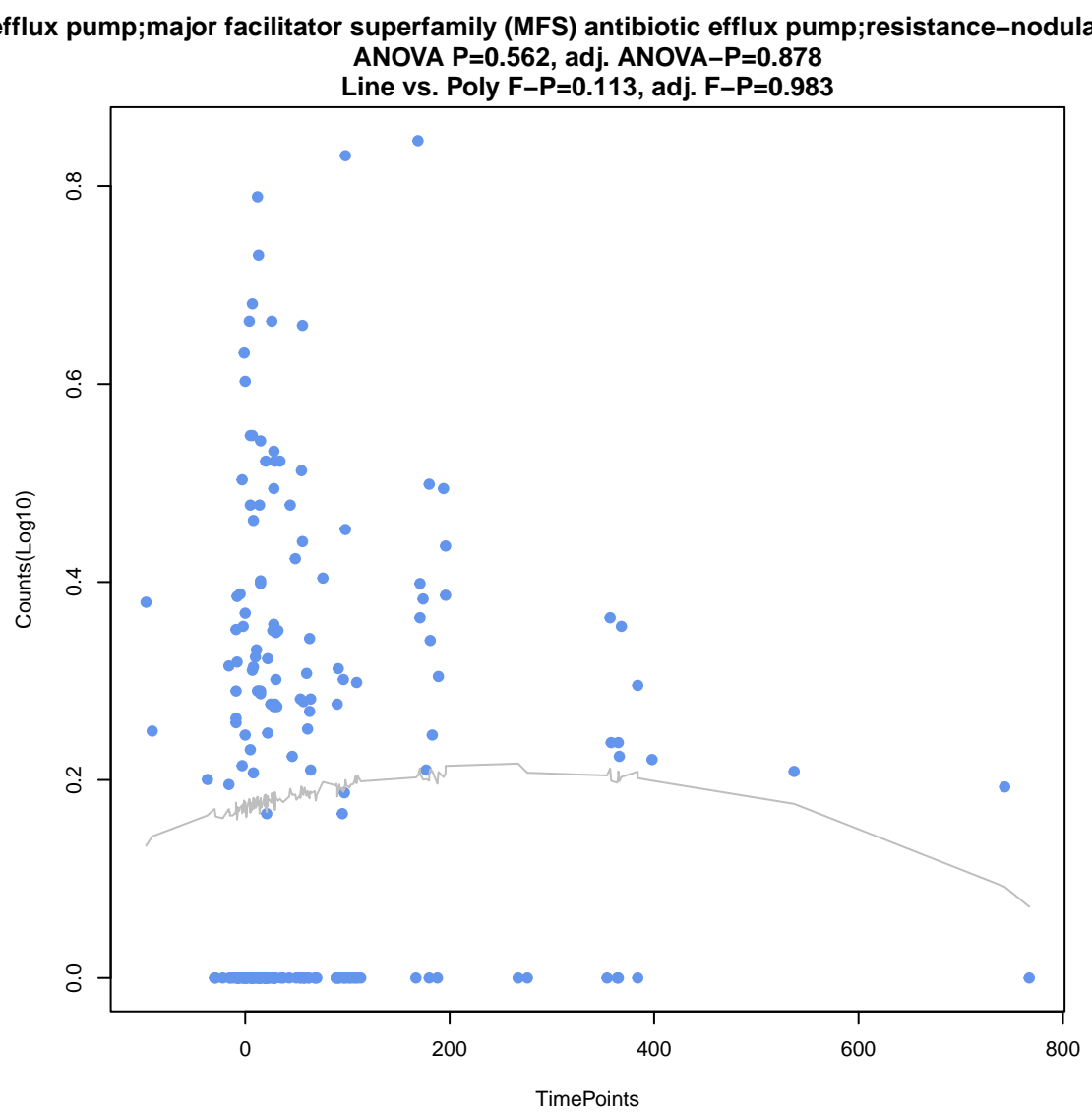
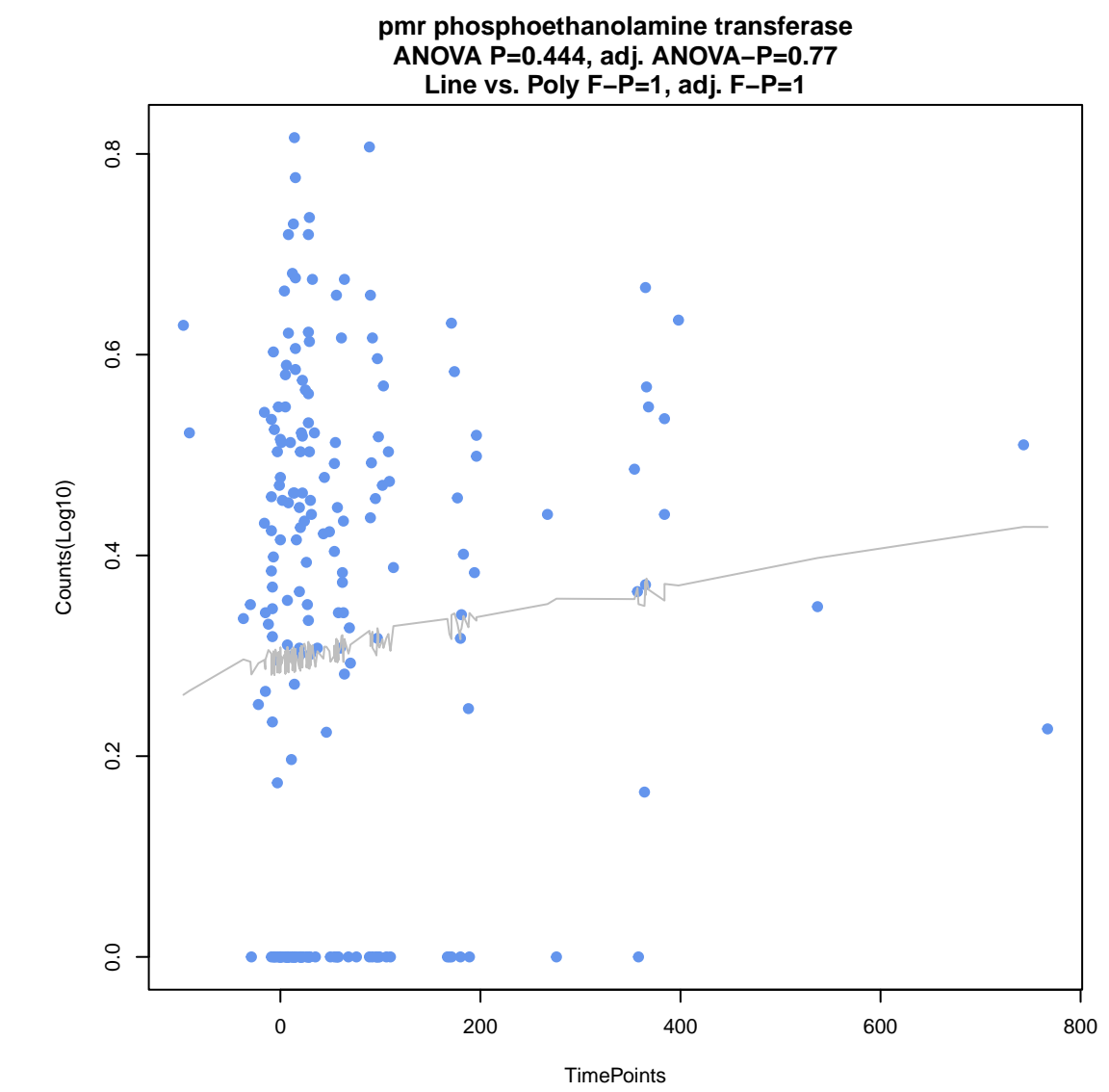
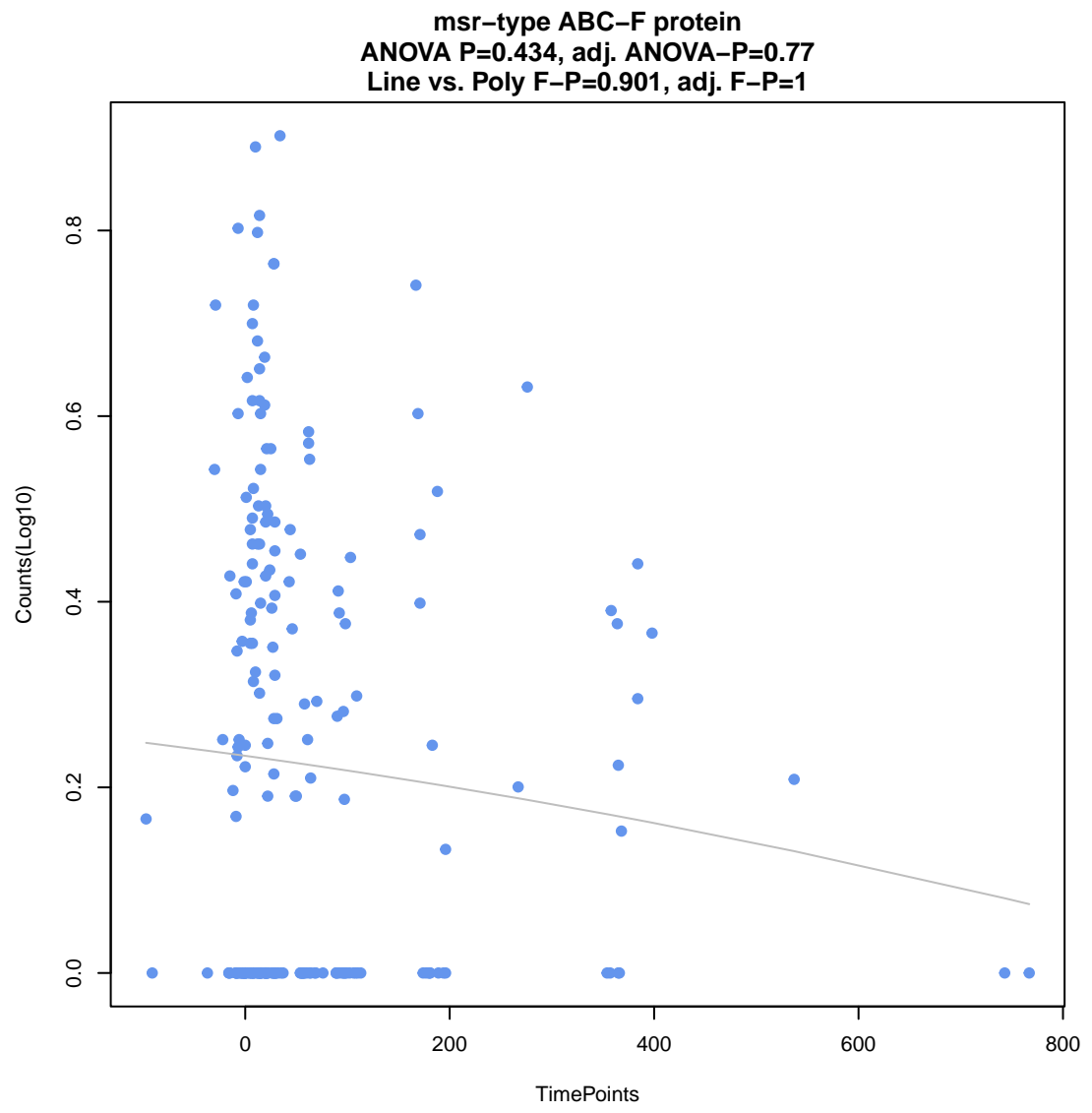
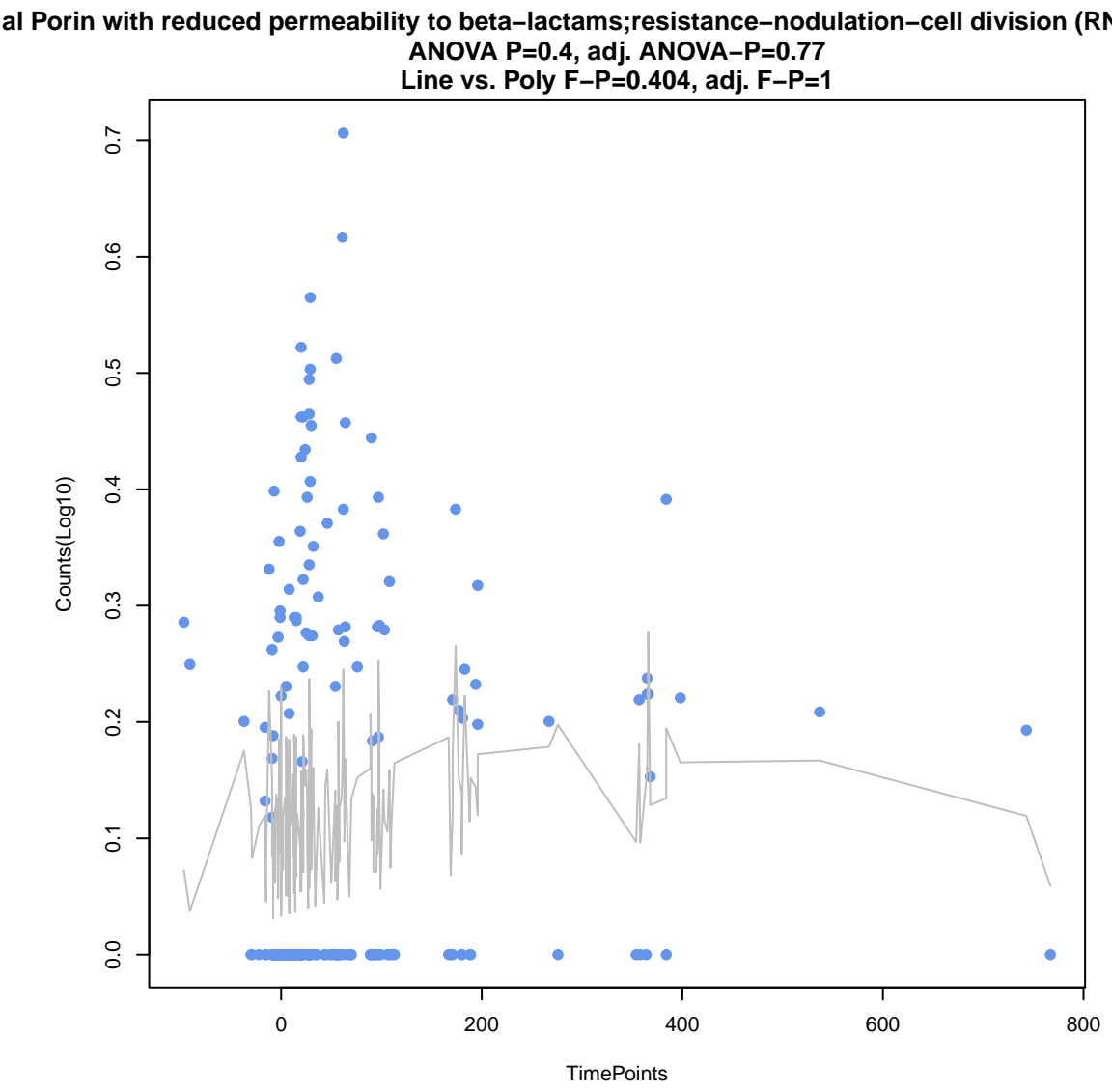


**non-erm 23S ribosomal RNA methyltransferase (G748)**  
ANOVA P=0.256, adj. ANOVA-P=0.605  
Line vs. Poly F-P=1, adj. F-P=1



**SHV beta-lactamase**  
ANOVA P=0.317, adj. ANOVA-P=0.686  
Line vs. Poly F-P=0.813, adj. F-P=1

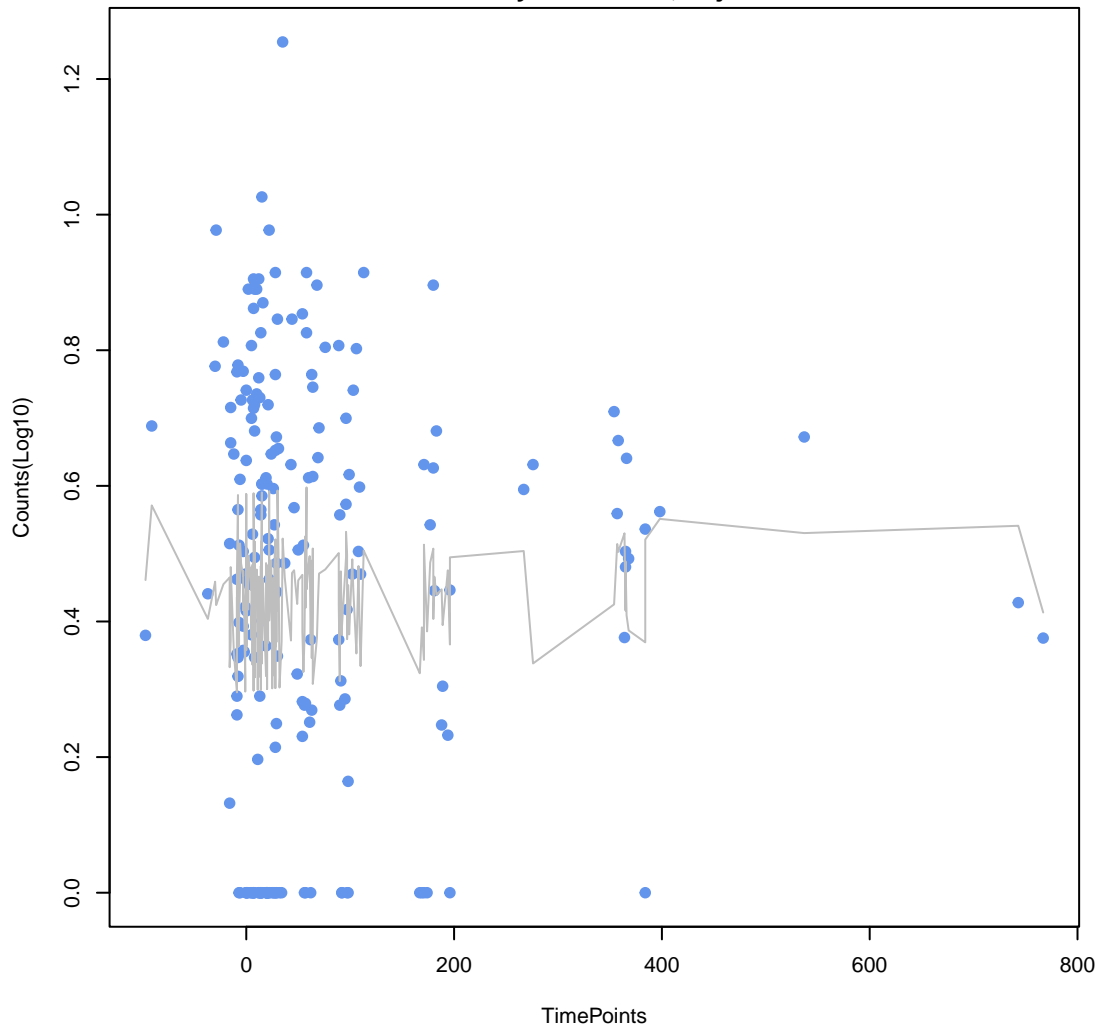




Miscellaneous ABC-F subfamily ATP-binding cassette ribosomal protection protein

ANOVA  $P=0.761$ , adj. ANOVA- $P=0.975$

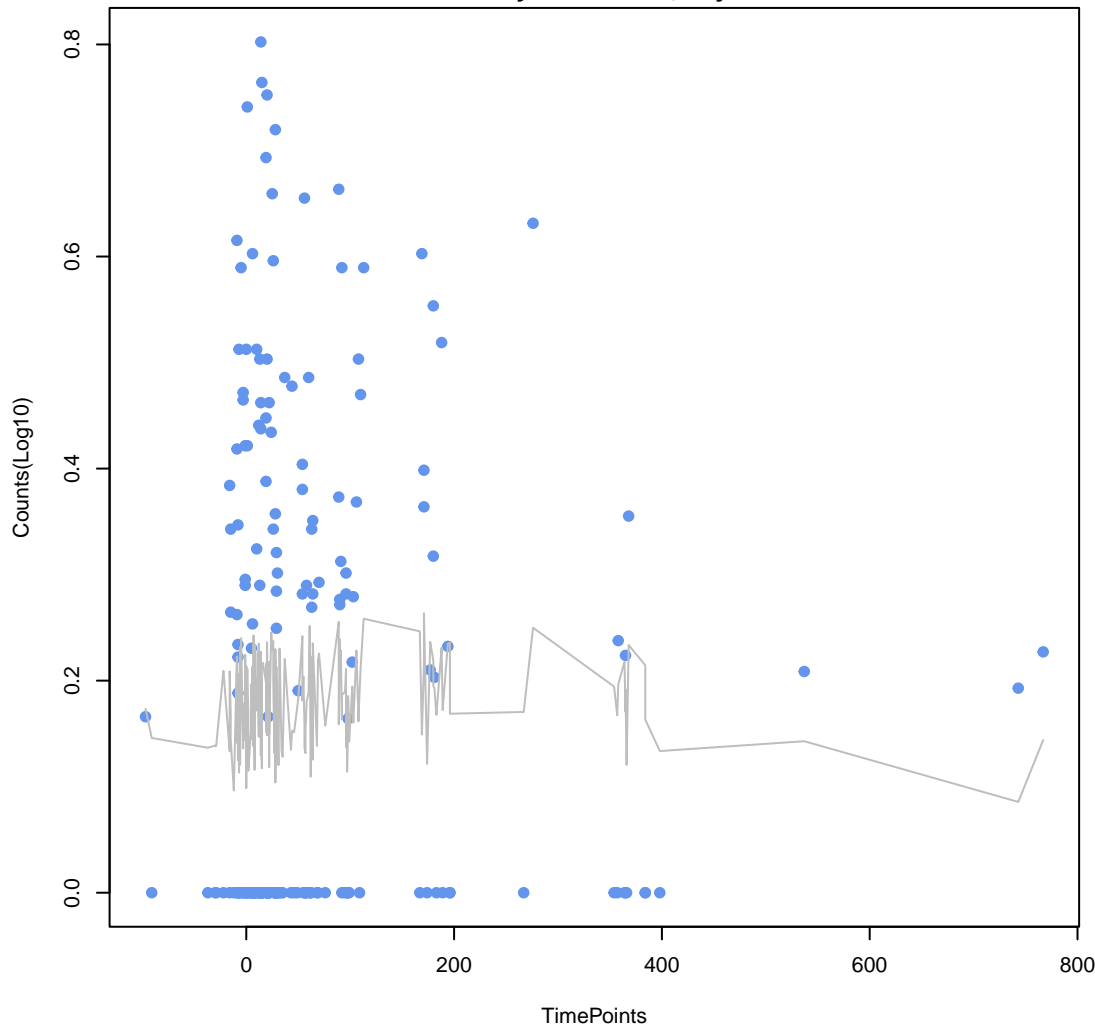
Line vs. Poly F- $P=0.825$ , adj. F- $P=1$



OXA beta-lactamase

ANOVA  $P=0.773$ , adj. ANOVA- $P=0.975$

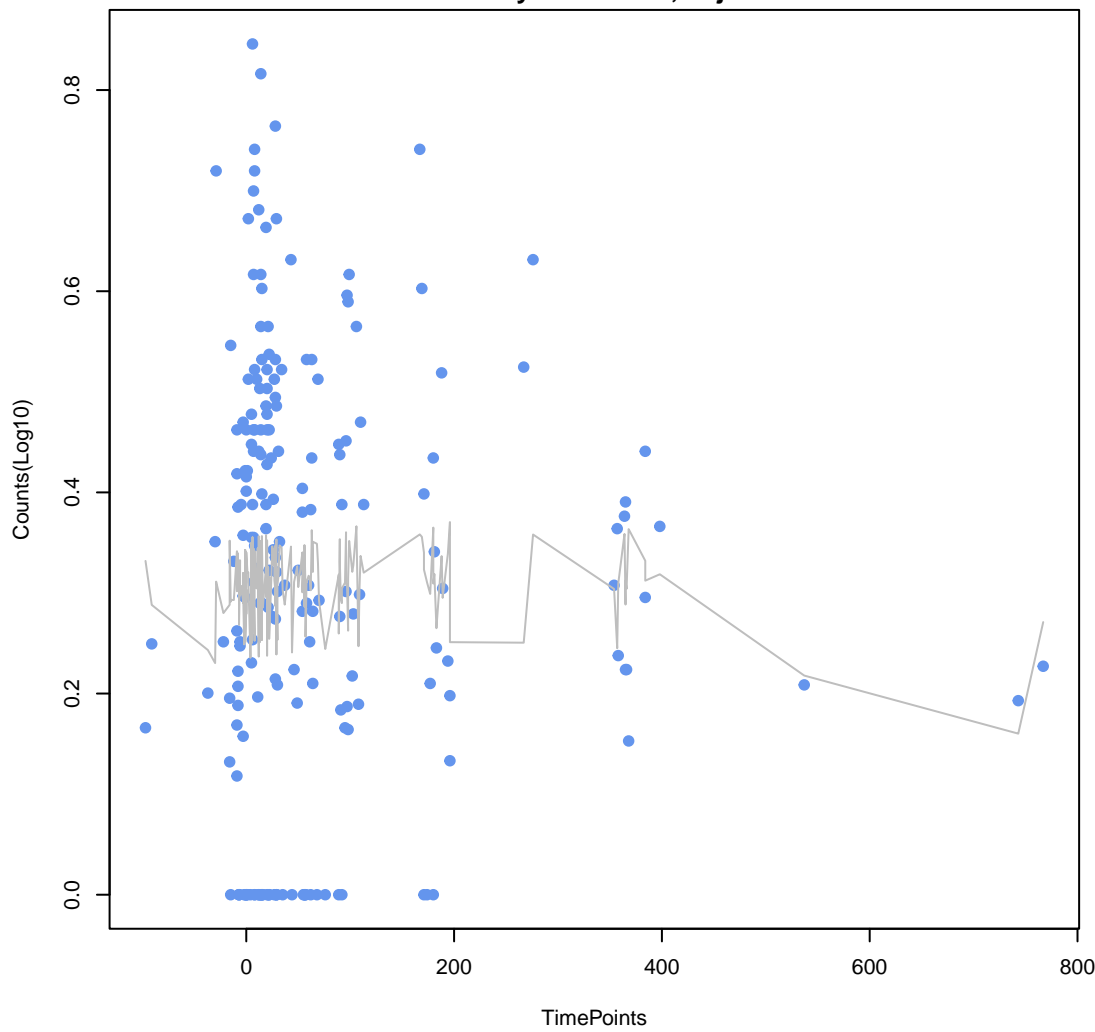
Line vs. Poly F- $P=0.532$ , adj. F- $P=1$



ANT(6)

ANOVA  $P=0.788$ , adj. ANOVA- $P=0.975$

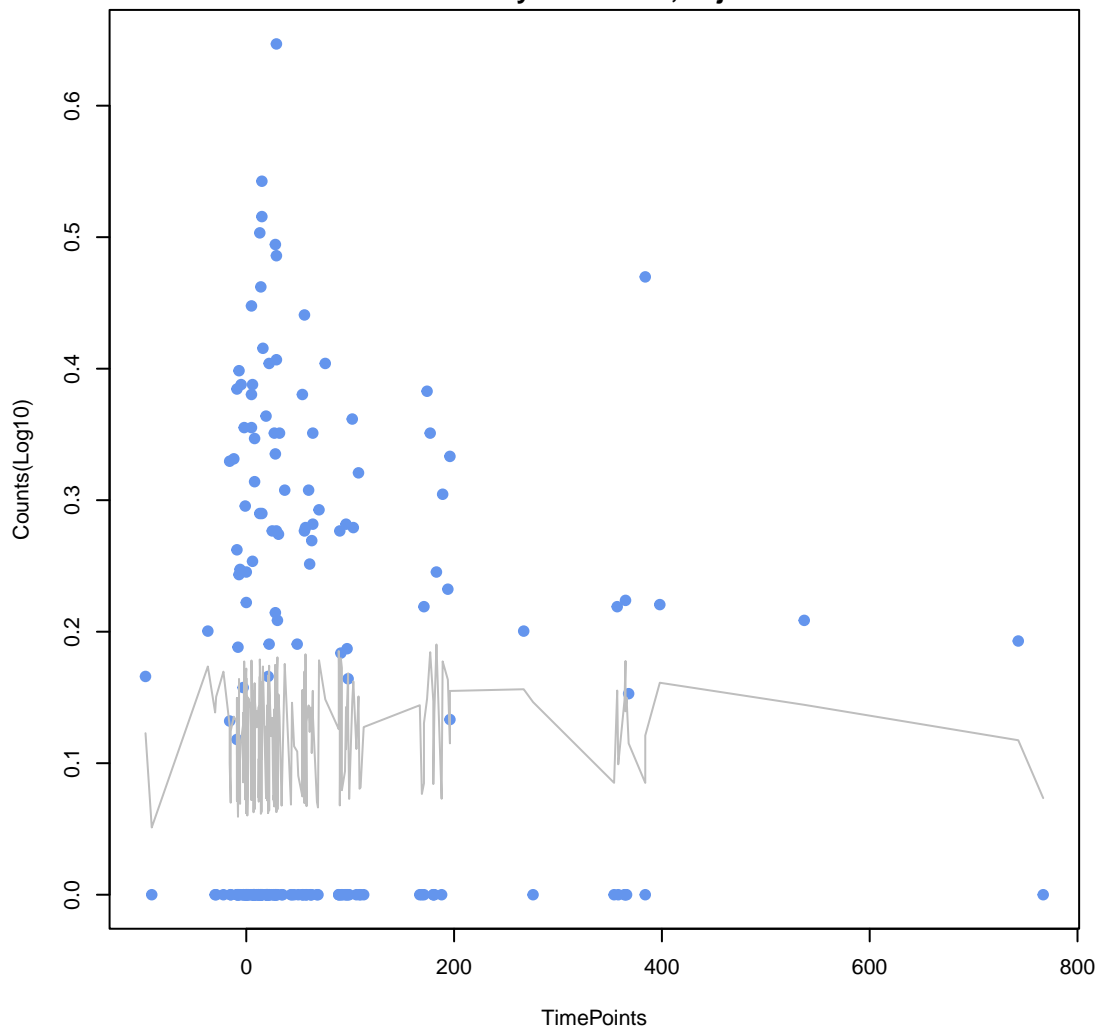
Line vs. Poly F- $P=0.561$ , adj. F- $P=1$



kdpDE

ANOVA  $P=0.878$ , adj. ANOVA- $P=0.979$

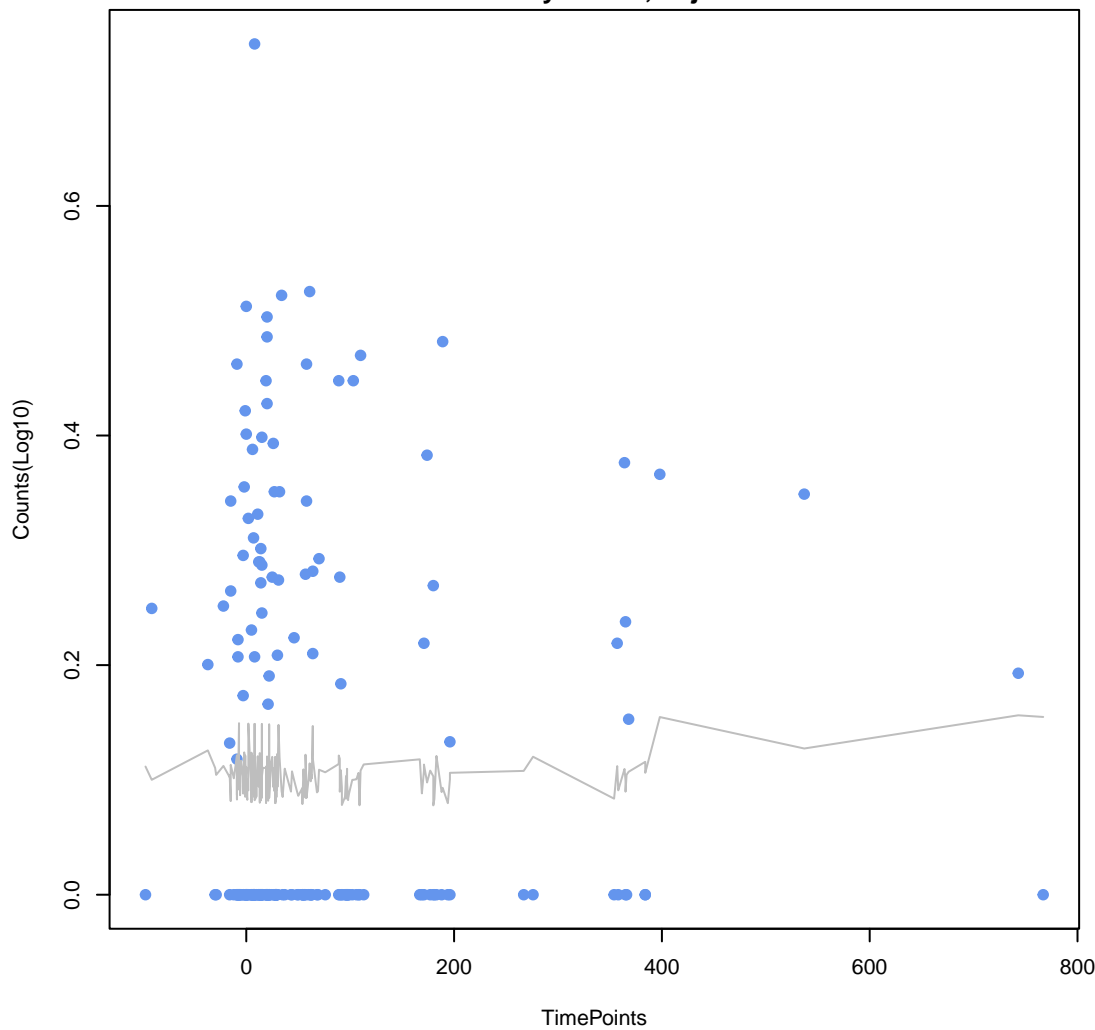
Line vs. Poly F- $P=0.757$ , adj. F- $P=1$



APH(3")

ANOVA  $P=0.896$ , adj. ANOVA- $P=0.979$

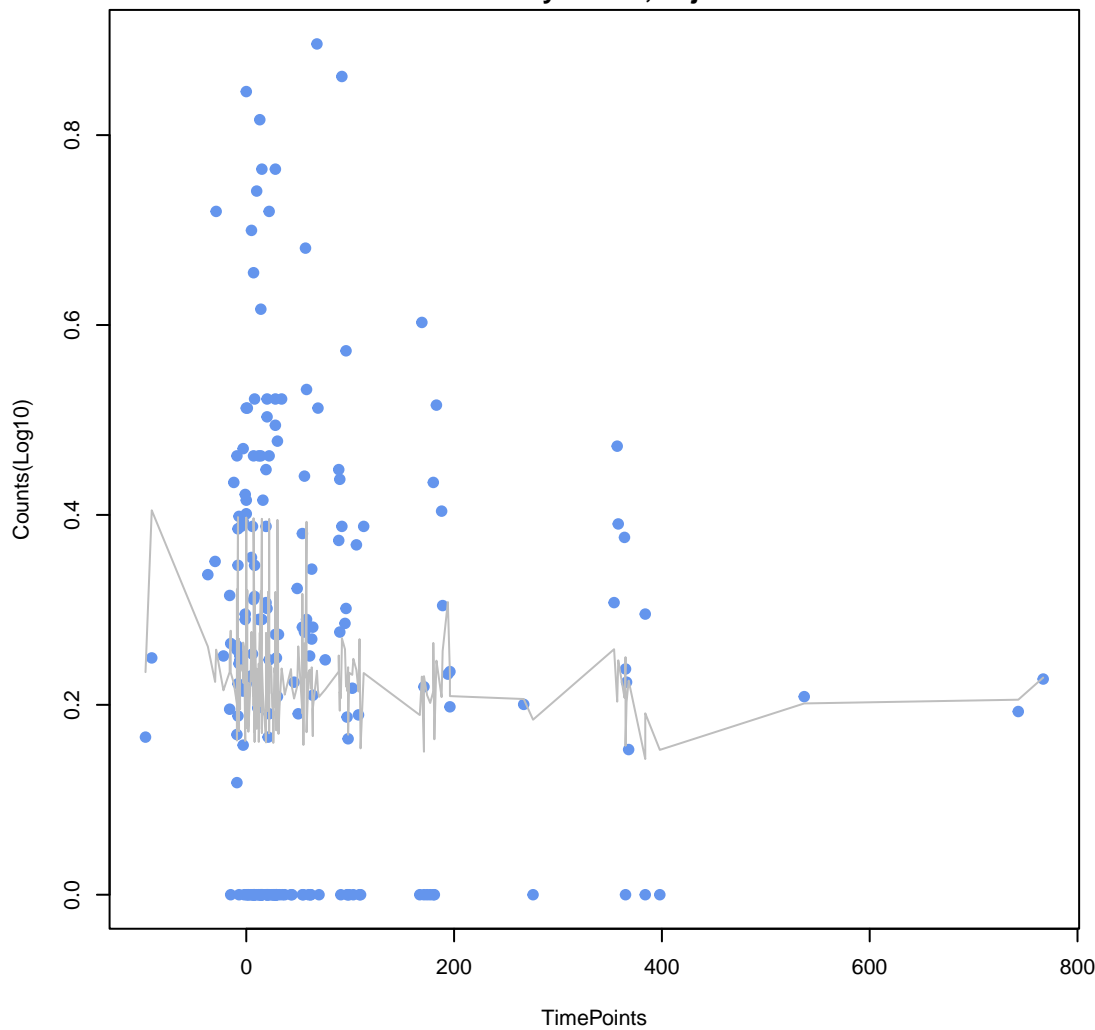
Line vs. Poly F- $P=1$ , adj. F- $P=1$



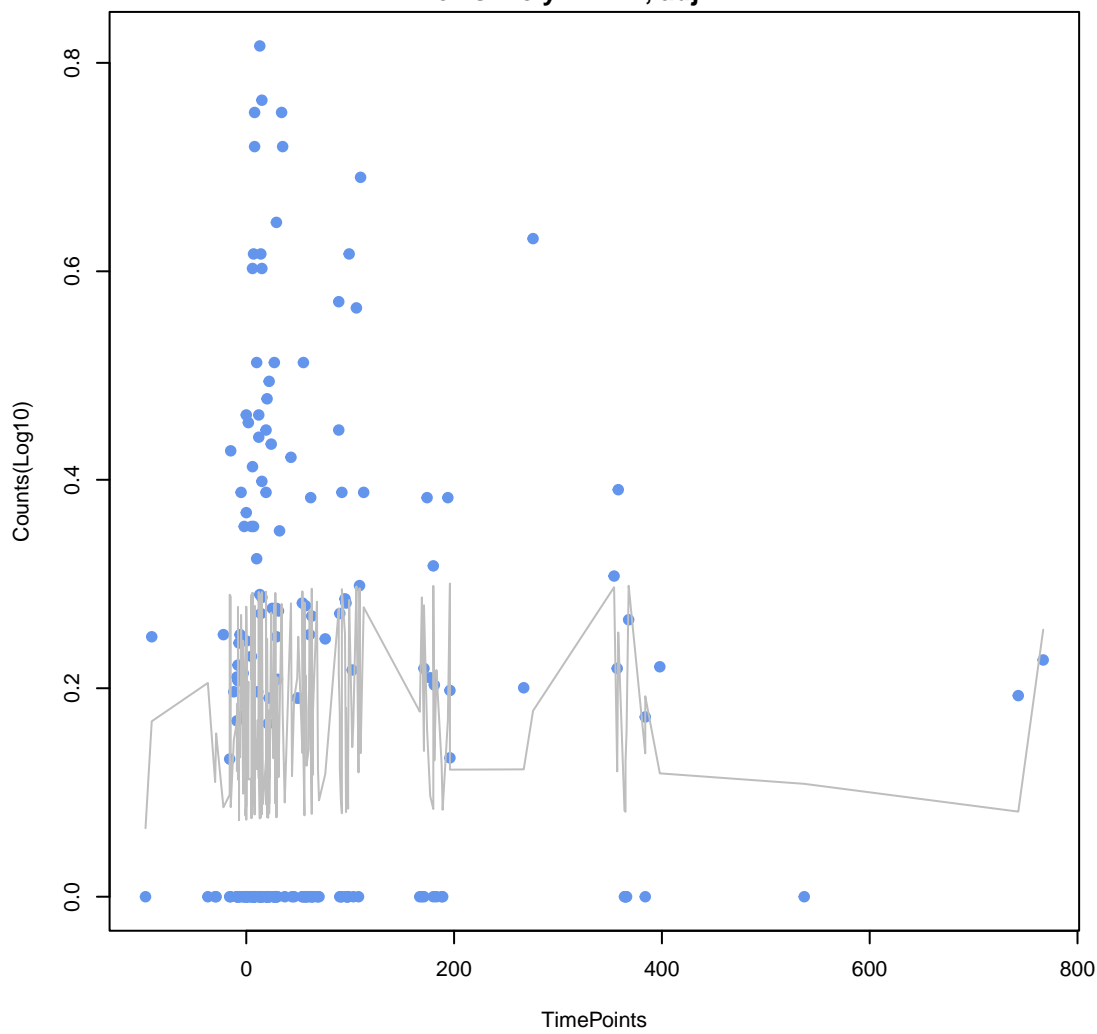
lincosamide nucleotidyltransferase (LNU)

ANOVA  $P=0.937$ , adj. ANOVA- $P=0.979$

Line vs. Poly F- $P=1$ , adj. F- $P=1$



CfxA beta-lactamase  
ANOVA P=0.942, adj. ANOVA-P=0.979  
Line vs. Poly F-P=1, adj. F-P=1



resistance-nodulation-cell division (RND) antibiotic efflux pump  
ANOVA P=0.989, adj. ANOVA-P=0.989  
Line vs. Poly F-P=1, adj. F-P=1

