**cephalosporin;penam**
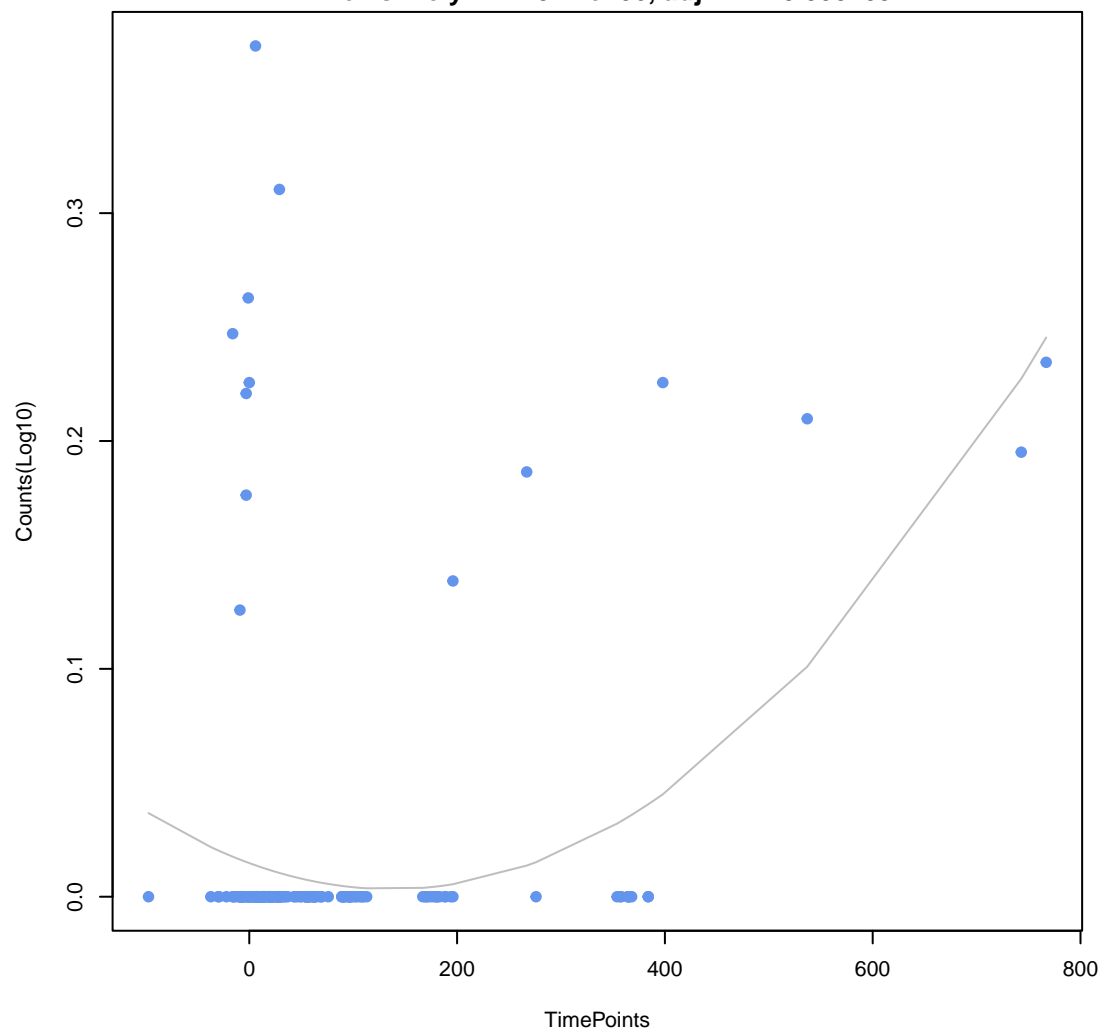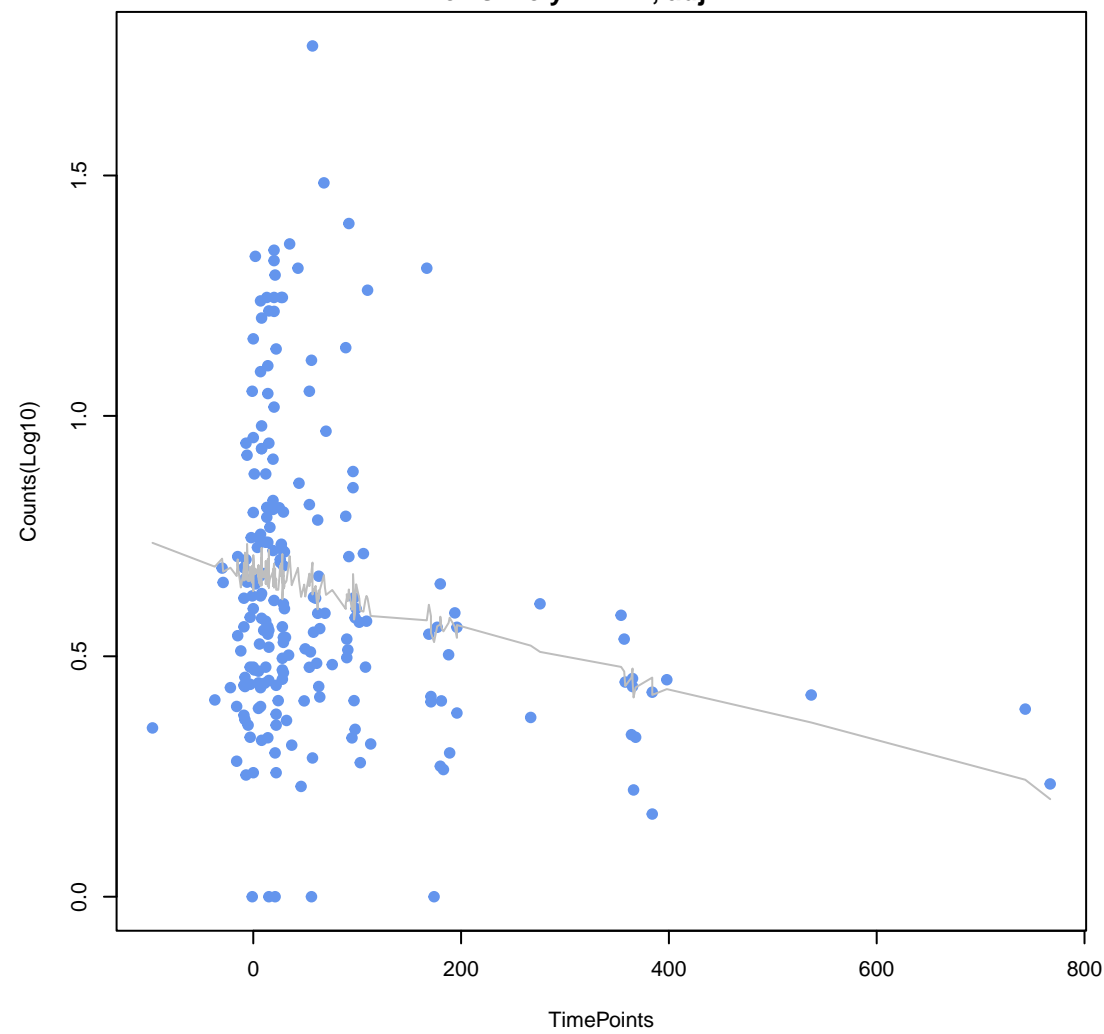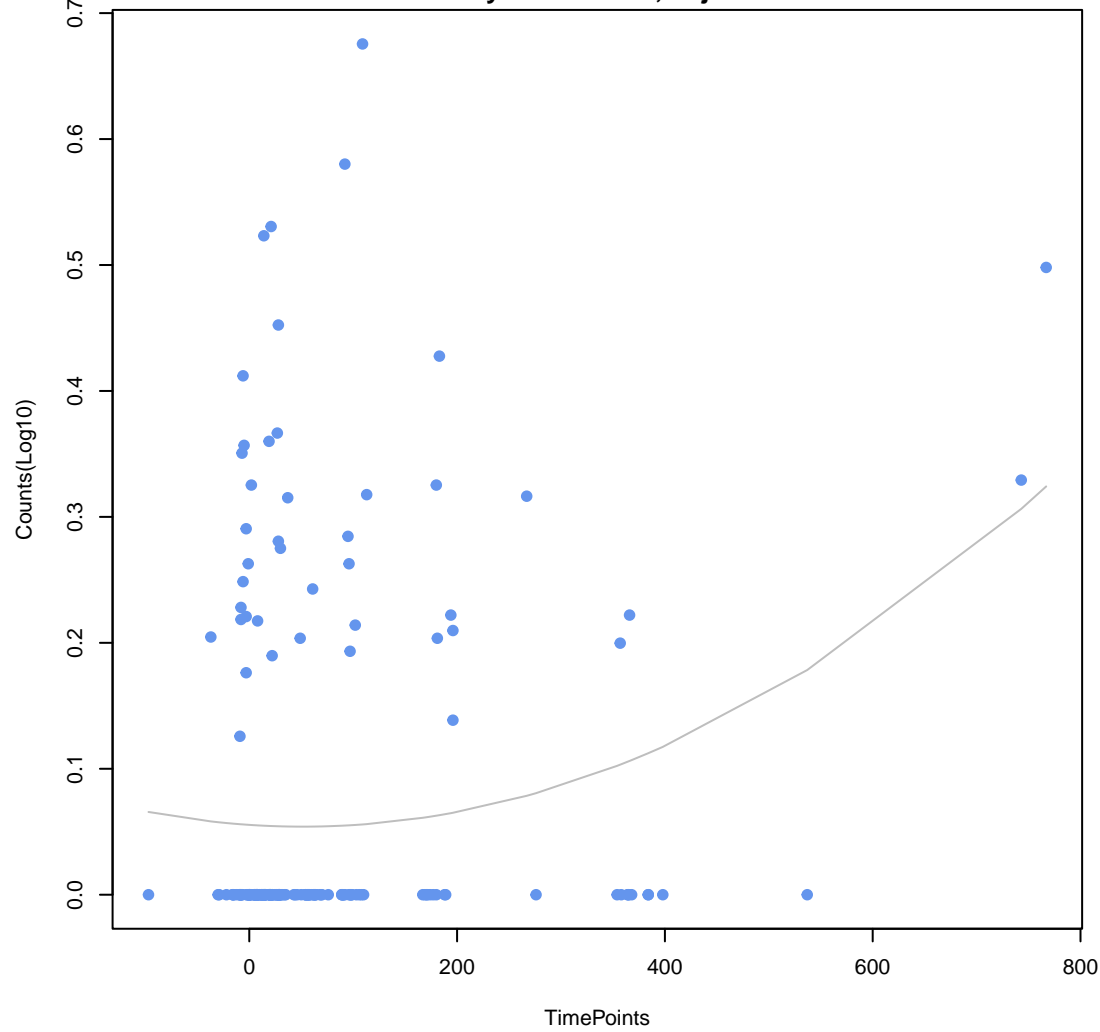**ANOVA P=7.28e−09, adj. ANOVA−P=4.66e−07**
**Line vs. Poly F−P=3.27e−06, adj. F−P=0.000209**

**de antibiotic;macrolide antibiotic;streptogramin A antibiotic;streptogramin B antibiotic;stre**
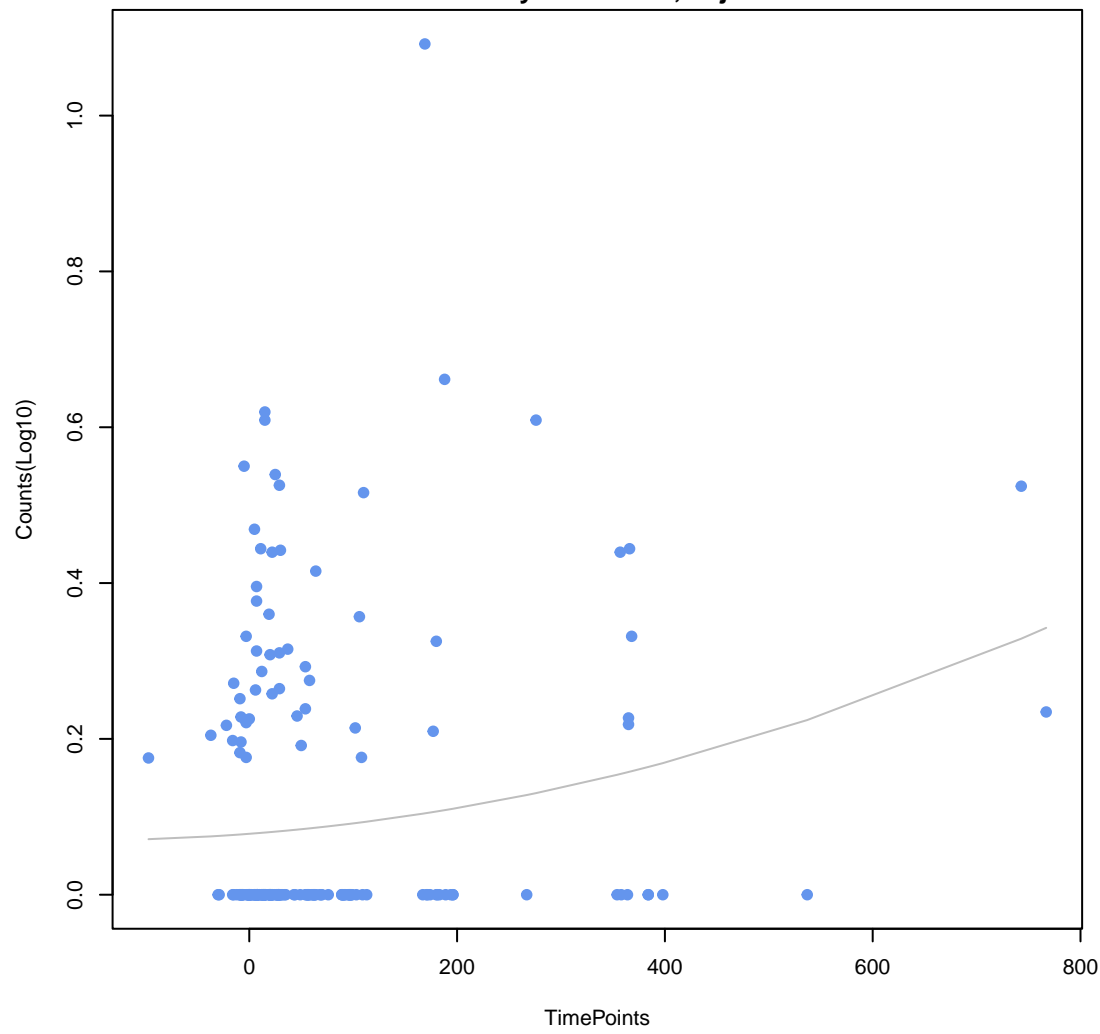**ANOVA P=0.00364, adj. ANOVA−P=0.116**
**Line vs. Poly F−P=1, adj. F−P=1**

**glycylcycline;tetracycline antibiotic**
**ANOVA P=0.00721, adj. ANOVA−P=0.154**
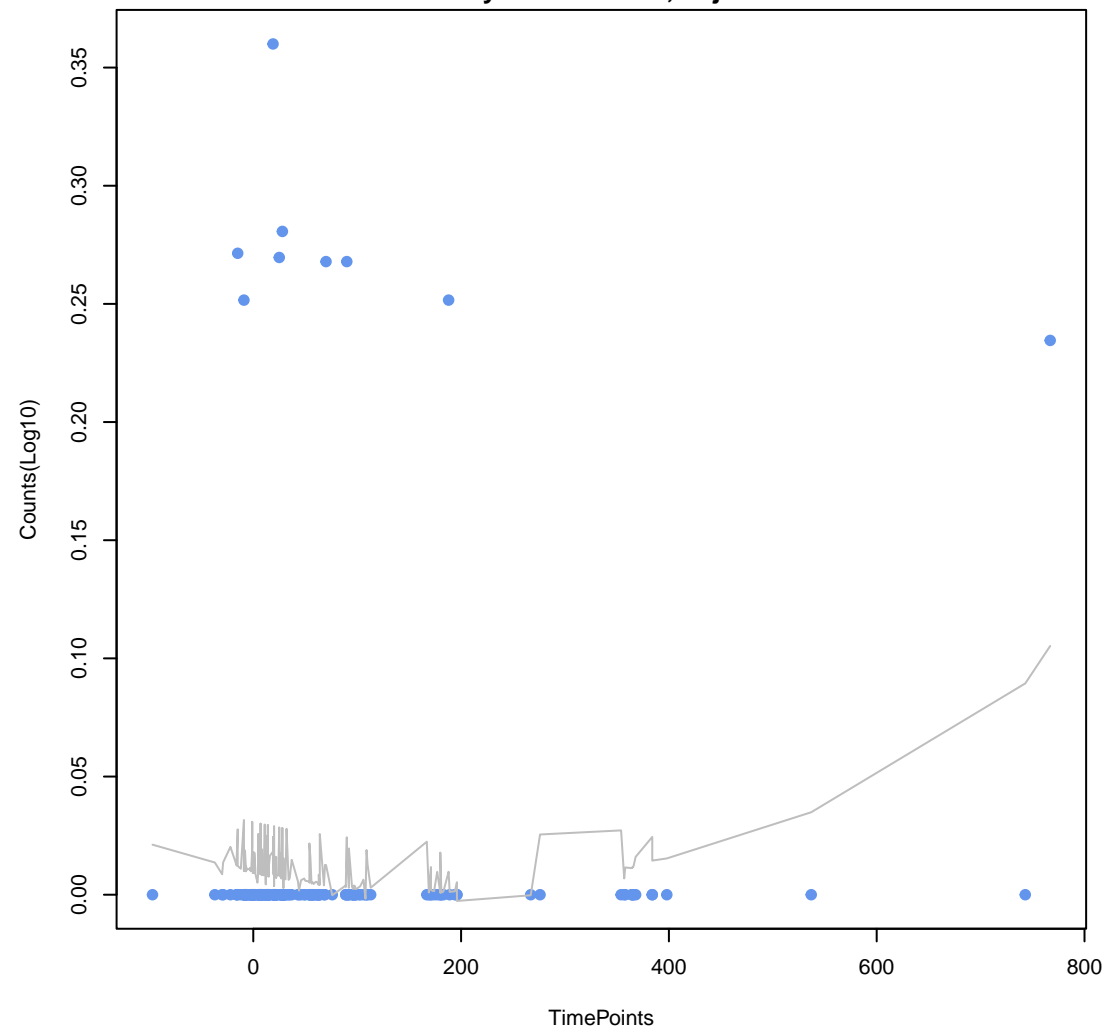**Line vs. Poly F−P=0.0943, adj. F−P=0.529**

**macrolide antibiotic**
**ANOVA P=0.0184, adj. ANOVA−P=0.294**
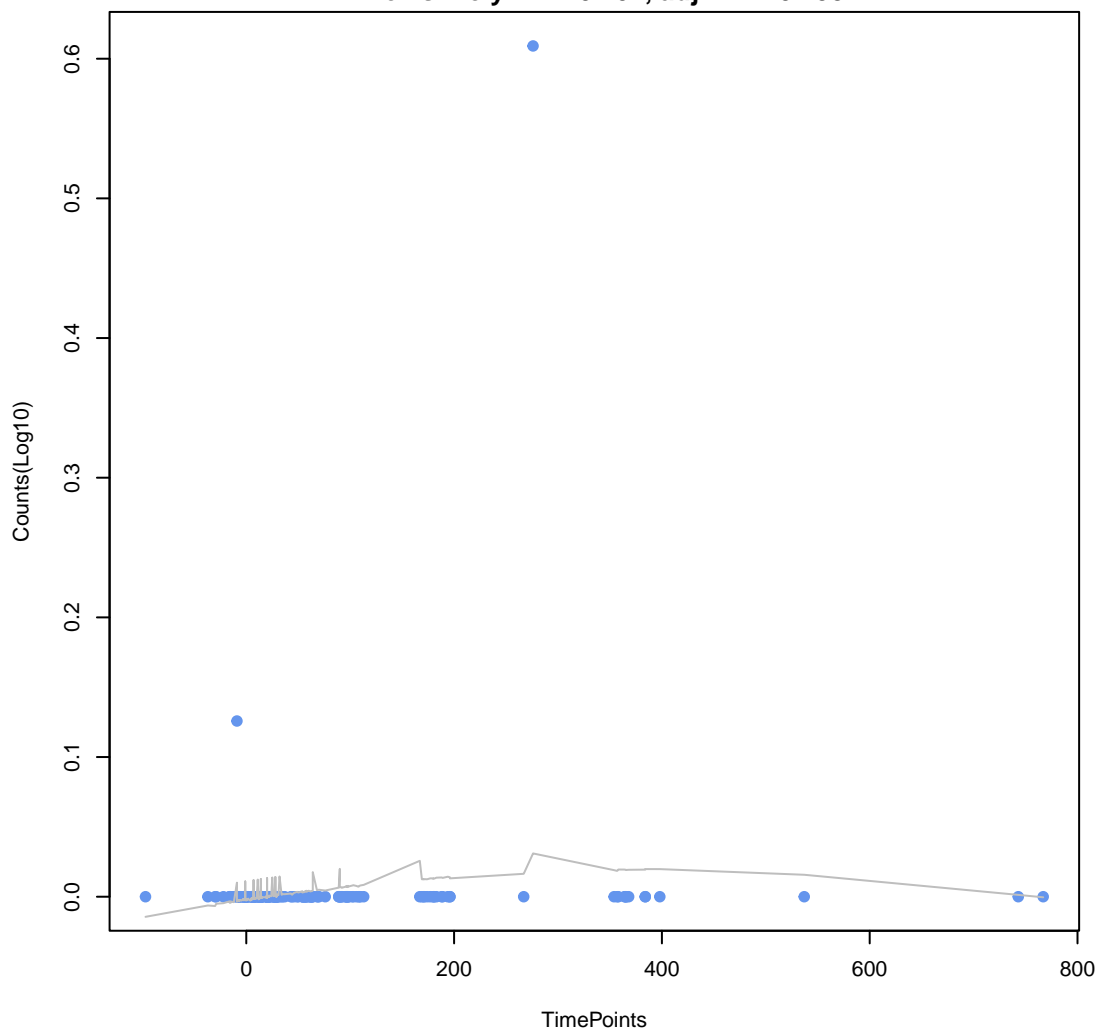**Line vs. Poly F−P=0.0619, adj. F−P=0.529**
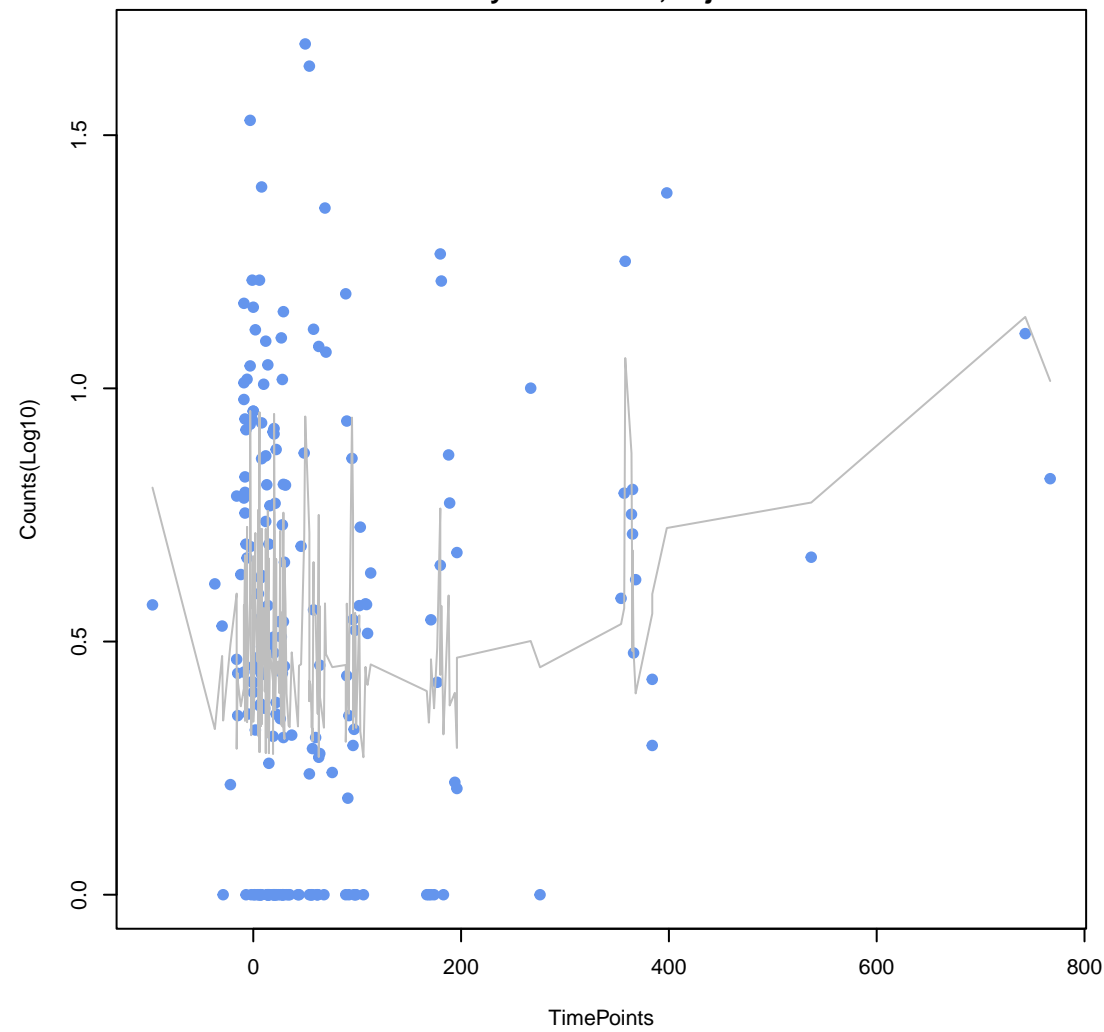
**disinfecting agents and antiseptics**
**ANOVA P=0.0302, adj. ANOVA−P=0.386**
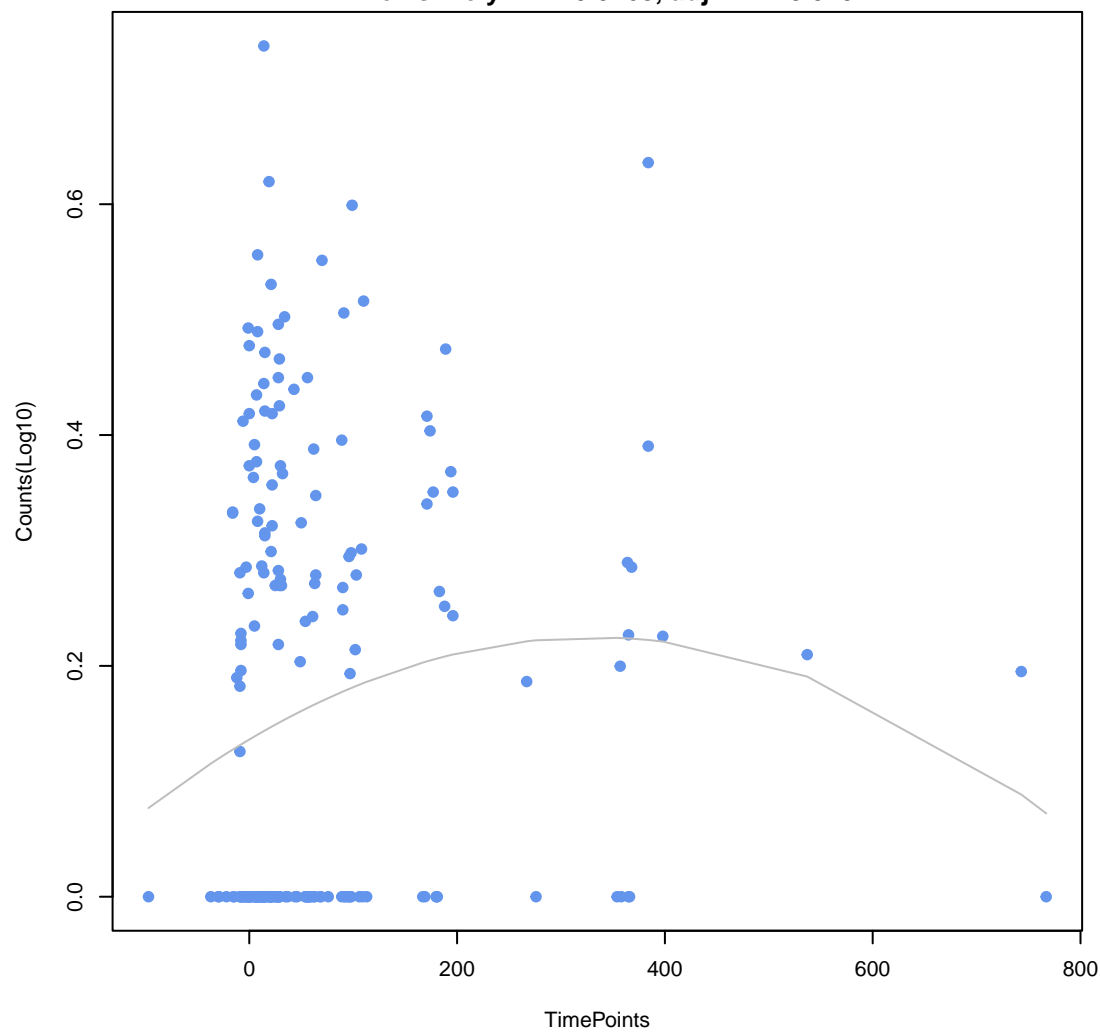**Line vs. Poly F−P=0.447, adj. F−P=1**

**diaminopyrimidine antibiotic**
**ANOVA P=0.0428, adj. ANOVA−P=0.457**
**Line vs. Poly F−P=0.00816, adj. F−P=0.261**

**carbapenem;cephalosporin;cephamycin;penam;penem**
ANOVA P=0.0939, adj. ANOVA−P=0.605
Line vs. Poly F−P=0.201, adj. F−P=0.758

**agents and antiseptics;fluoroquinolone antibiotic;lincosamide antibiotic;nucleoside antibiotic**
ANOVA P=0.097, adj. ANOVA−P=0.605
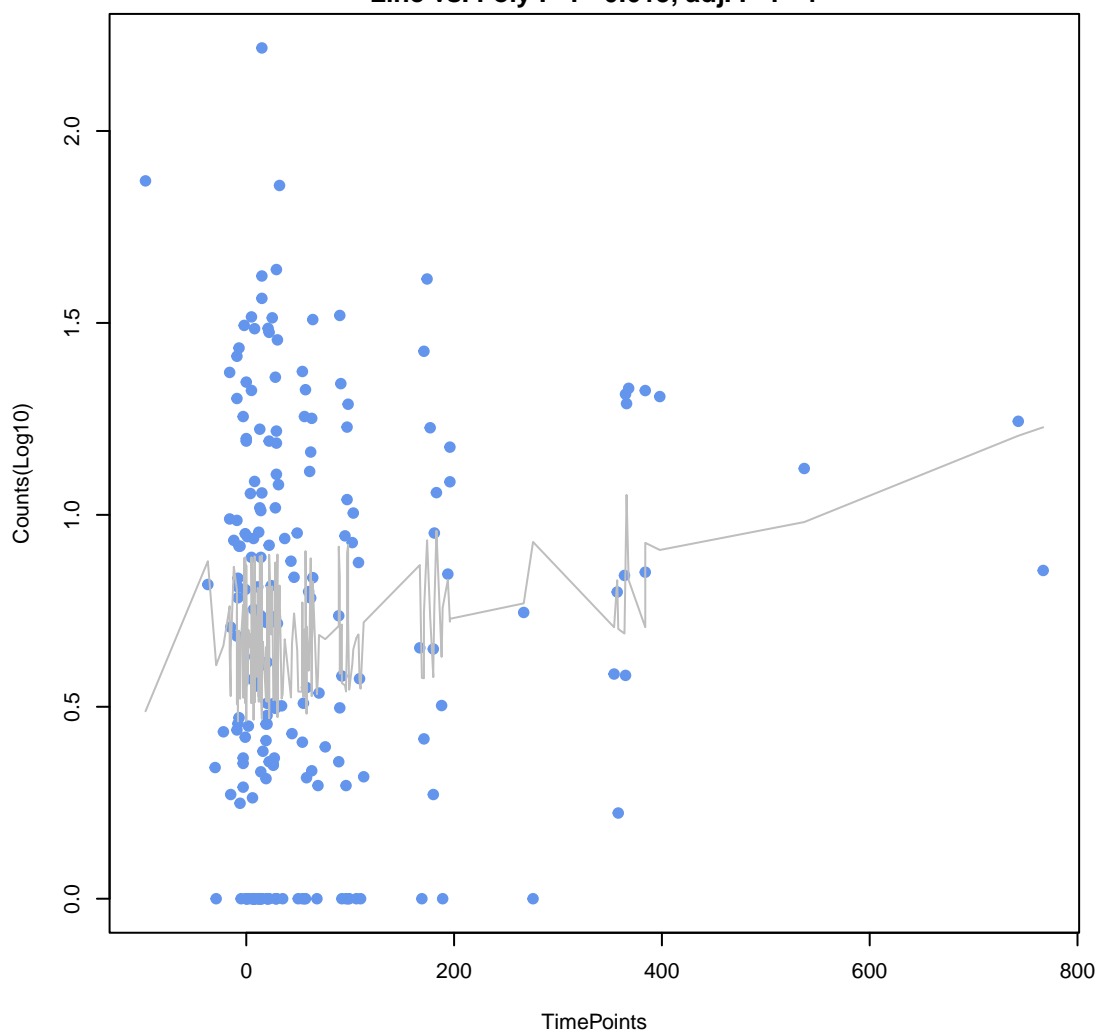Line vs. Poly F−P=0.0763, adj. F−P=0.529

**carbapenem;penam**
ANOVA P=0.0989, adj. ANOVA−P=0.605
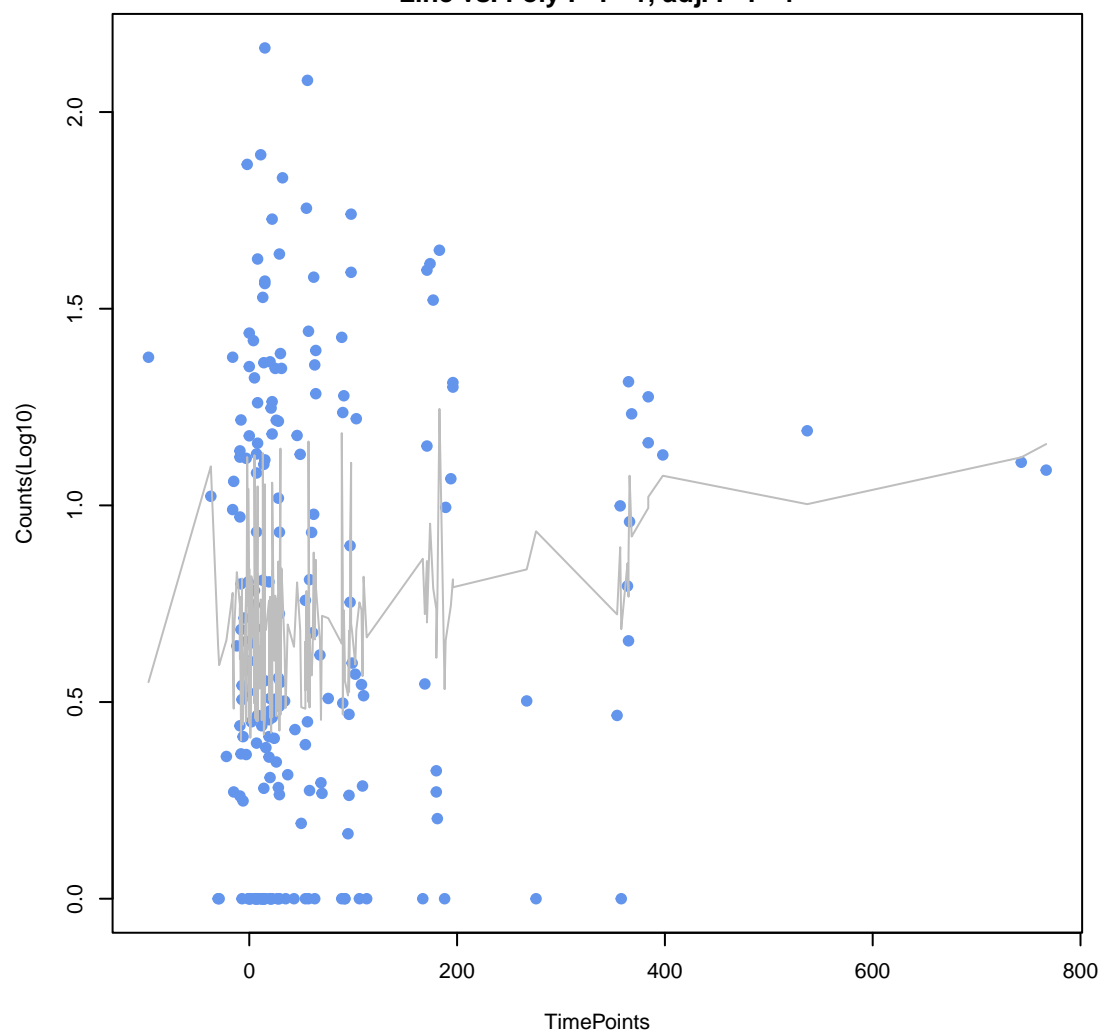Line vs. Poly F−P=0.216, adj. F−P=0.769
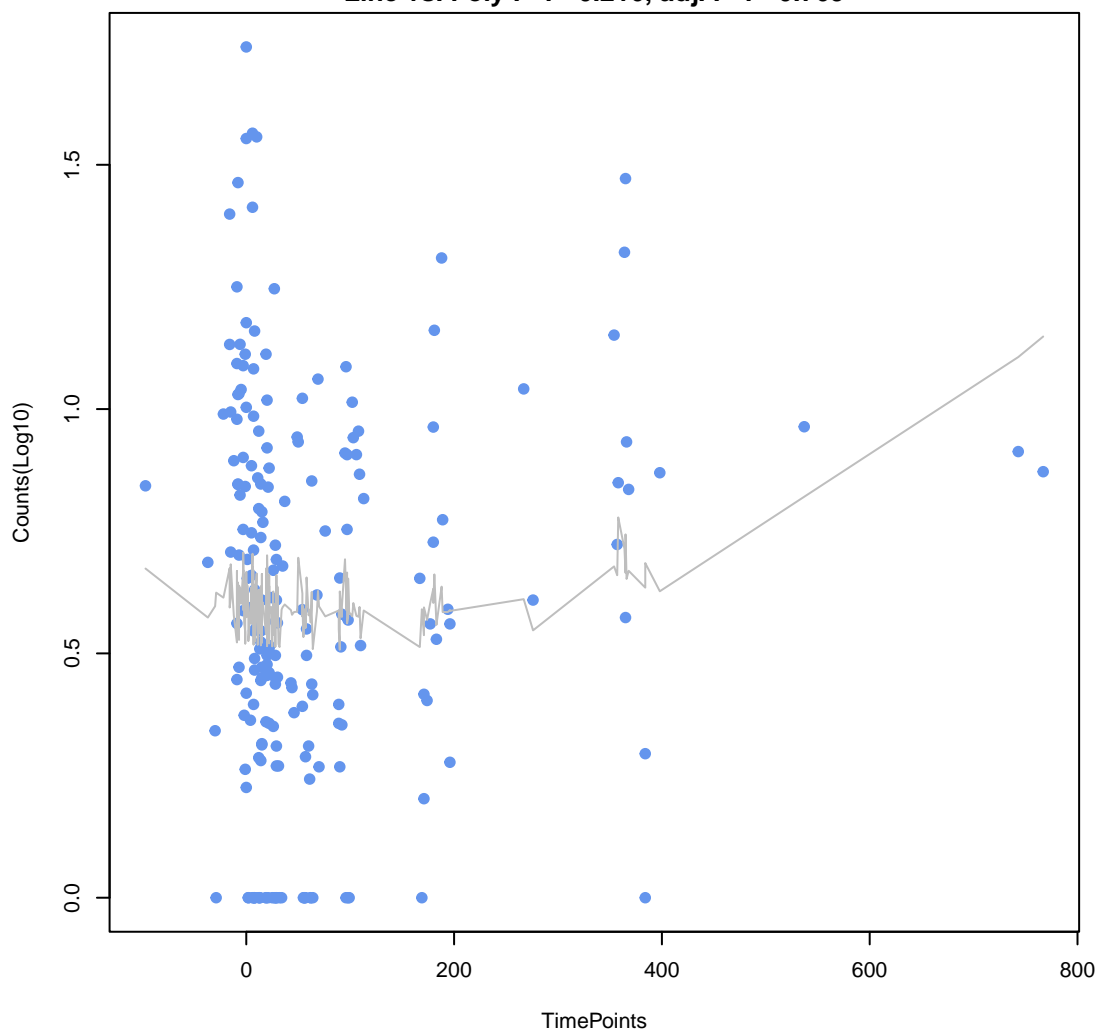
**cephalosporin;fluoroquinolone antibiotic;fusidic acid;macrolide antibiotic**
ANOVA P=0.113, adj. ANOVA−P=0.605
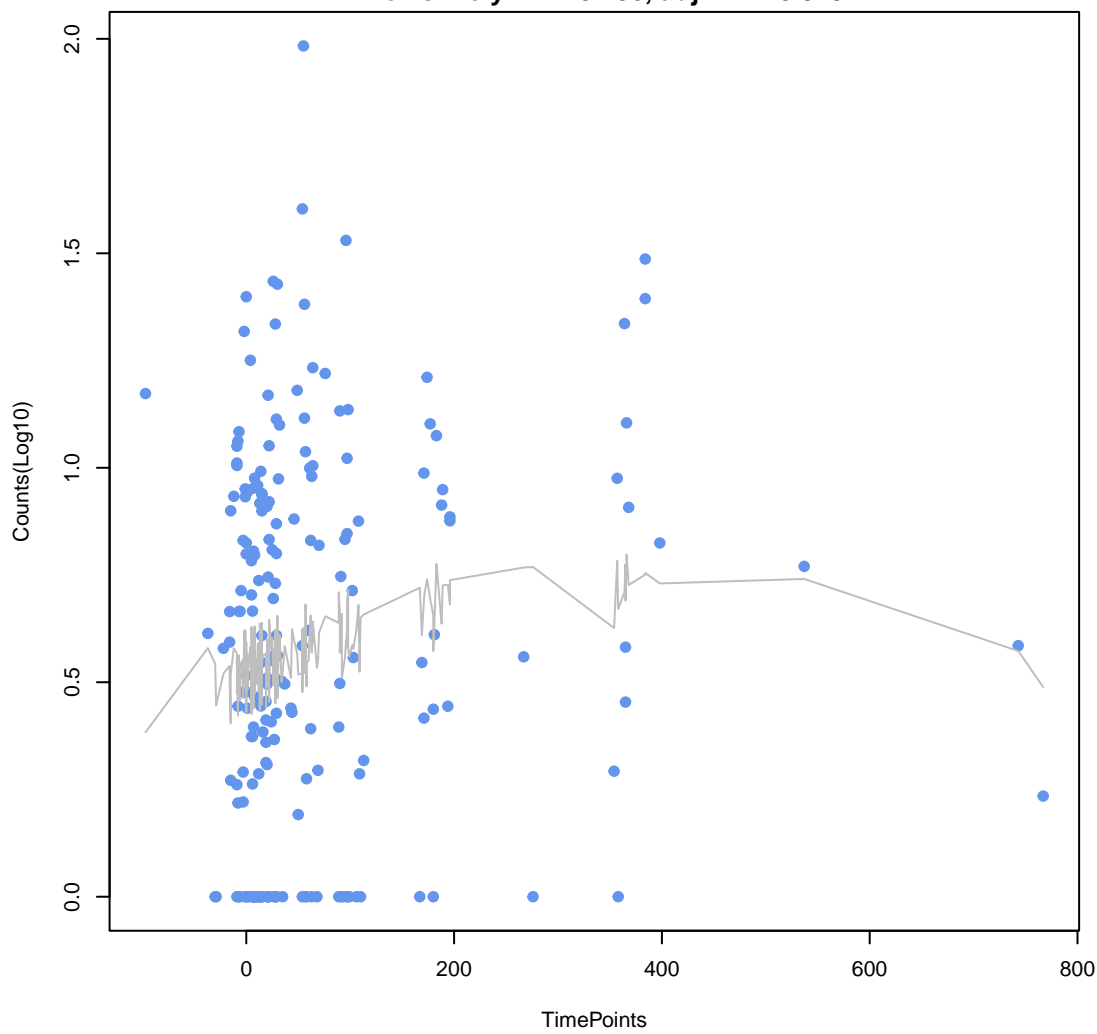Line vs. Poly F−P=0.156, adj. F−P=0.625
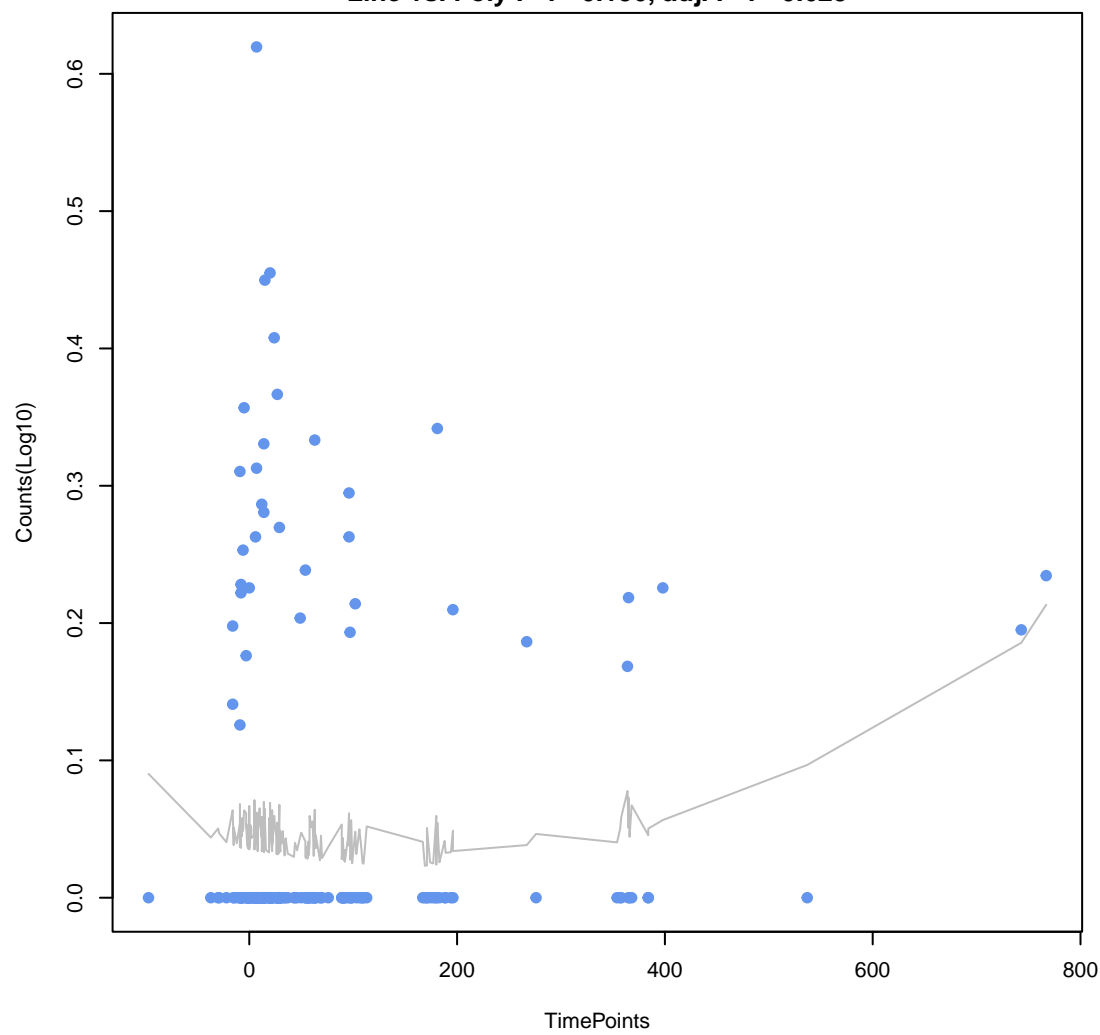
**peptide antibiotic**
ANOVA P=0.123, adj. ANOVA−P=0.605
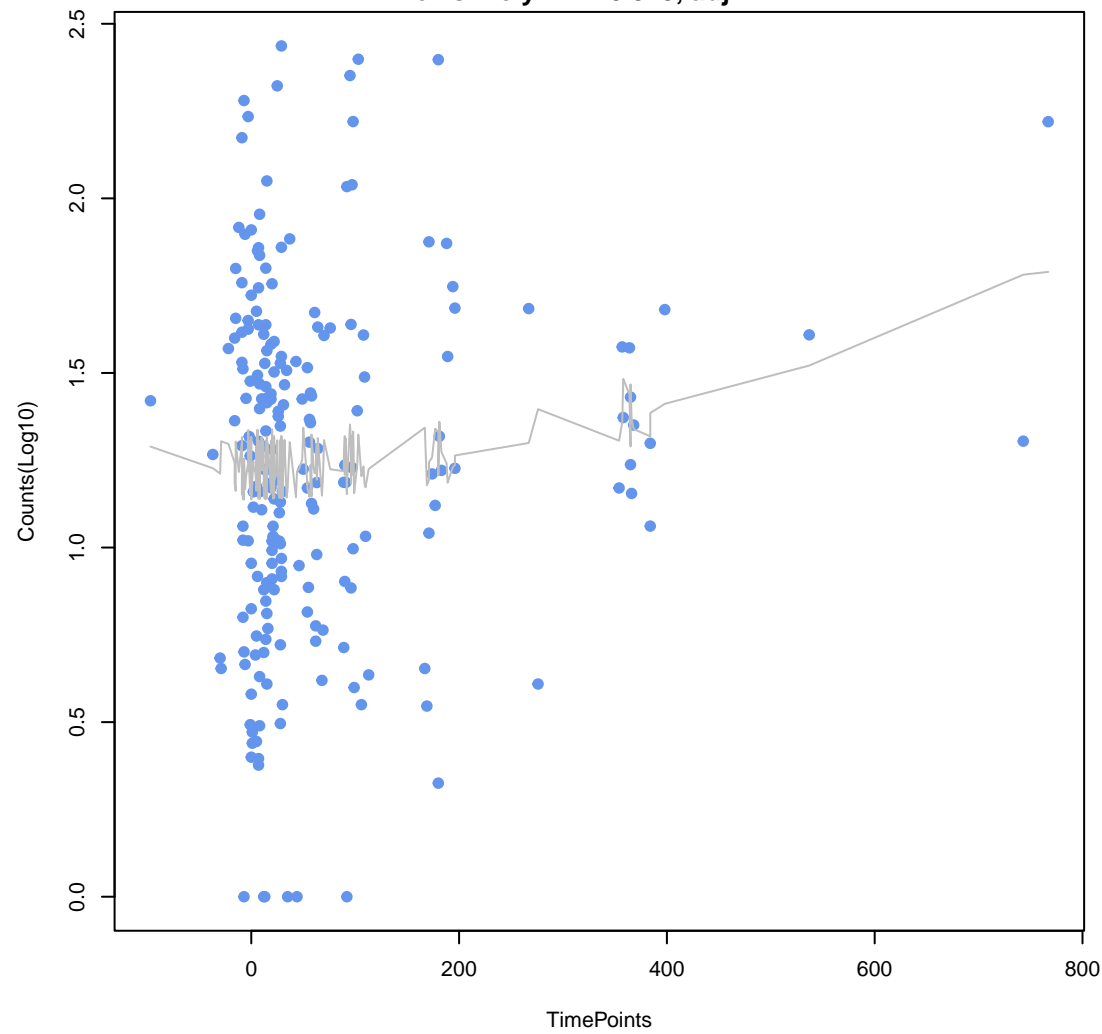Line vs. Poly F−P=0.615, adj. F−P=1

**fluoroquinolone antibiotic;macrolide antibiotic;penam**
ANOVA P=0.124, adj. ANOVA−P=0.605
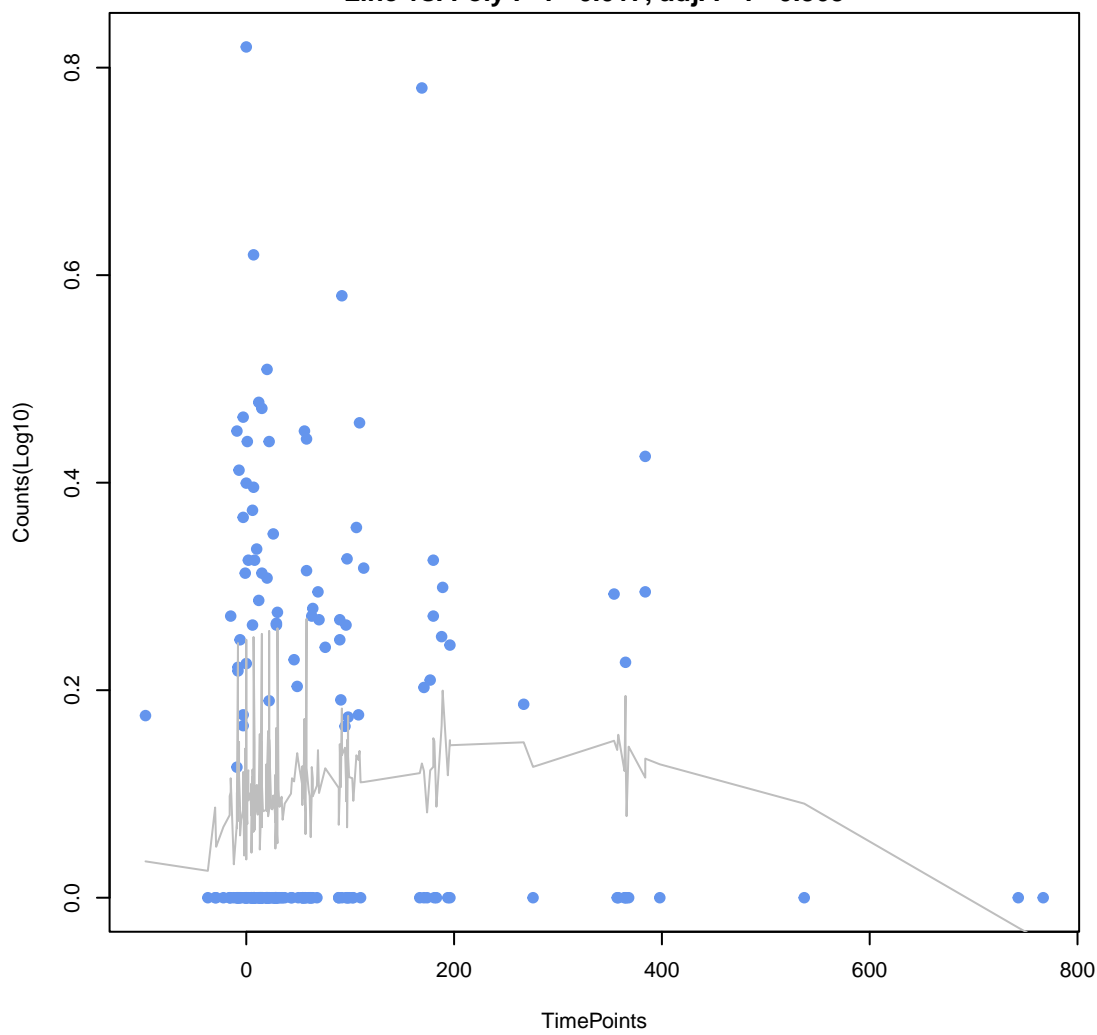Line vs. Poly F−P=1, adj. F−P=1

**aminocoumarin antibiotic;aminoglycoside antibiotic**
ANOVA P=0.125, adj. ANOVA−P=0.605
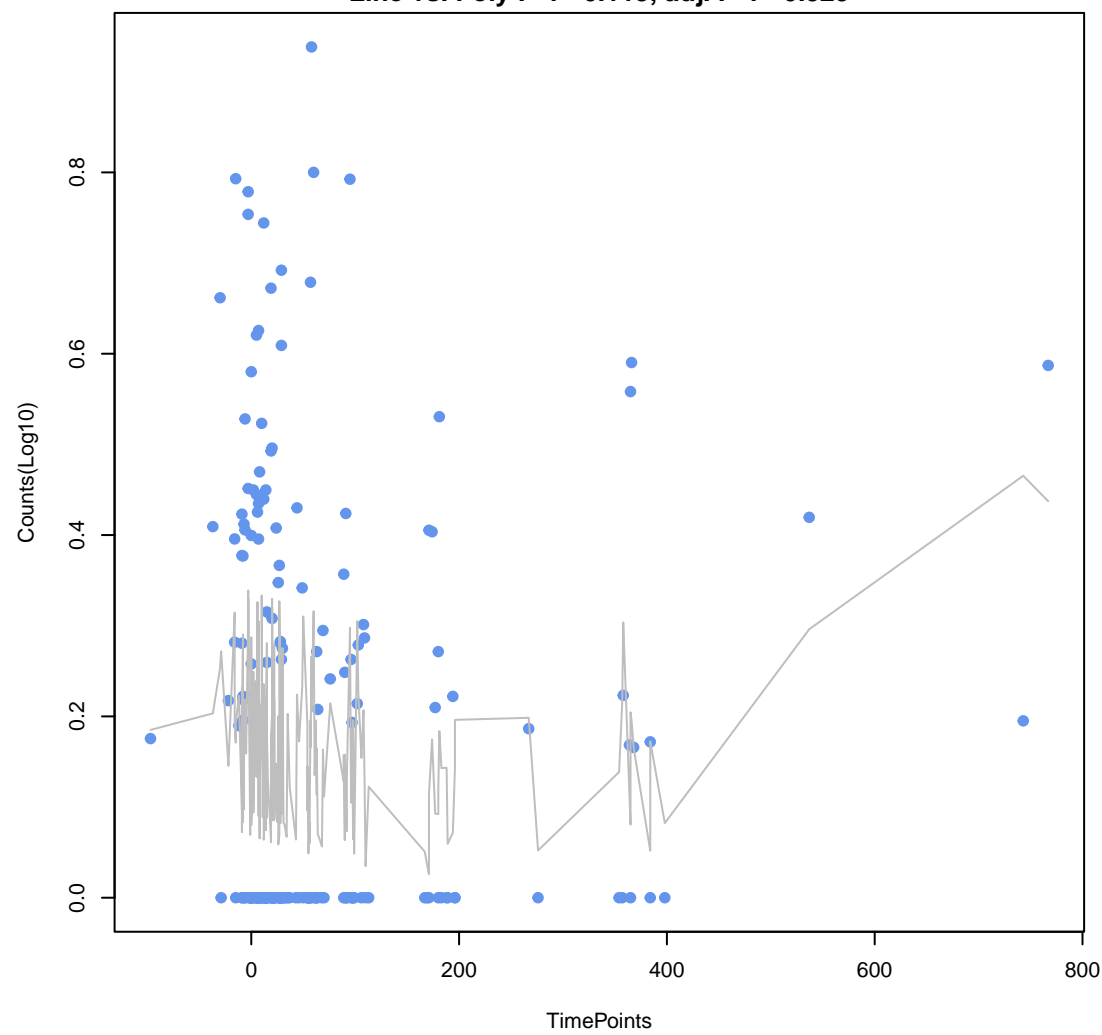Line vs. Poly F−P=0.106, adj. F−P=0.529

**aminoglycoside antibiotic**
ANOVA P=0.138, adj. ANOVA−P=0.605
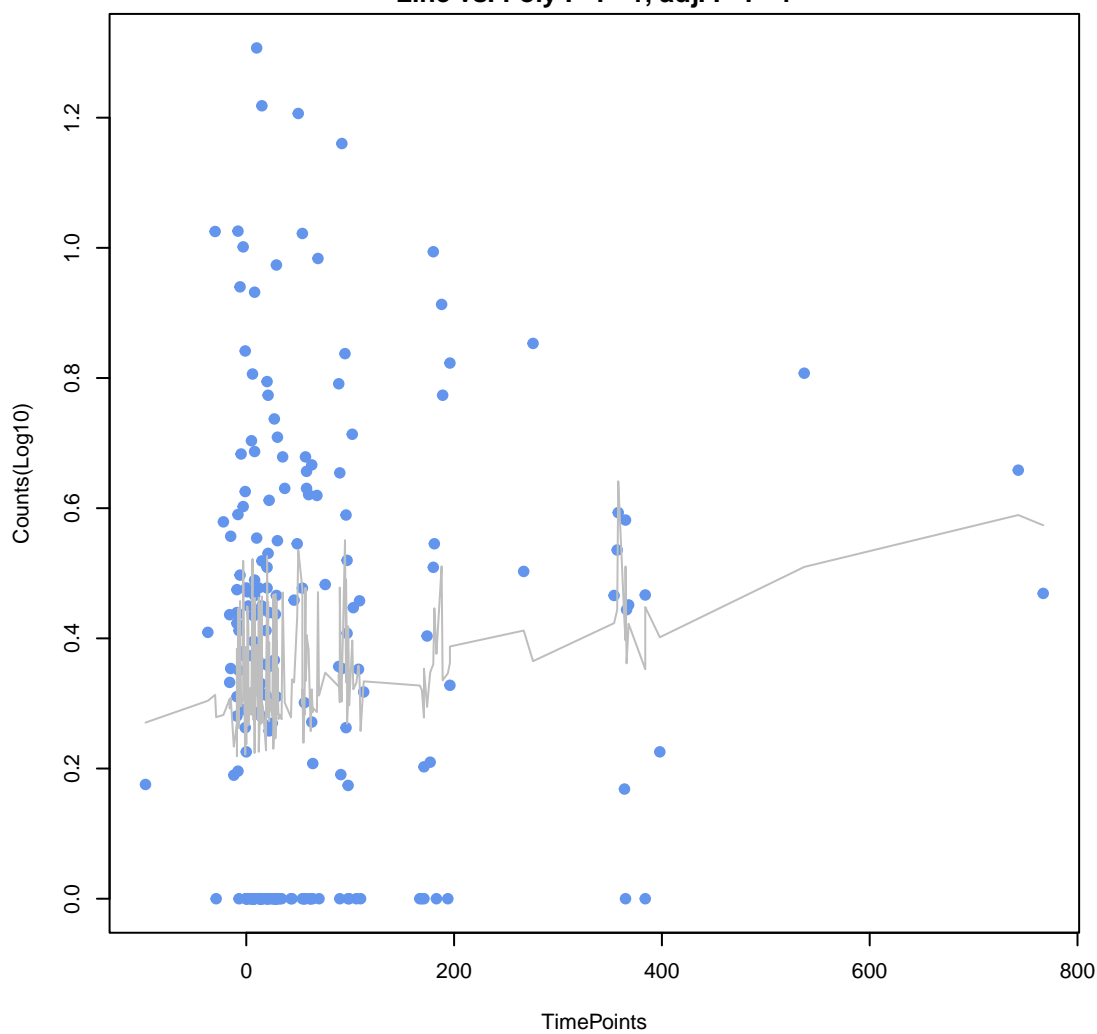Line vs. Poly F−P=0.375, adj. F−P=1

**antibacterial free fatty acids**
ANOVA P=0.15, adj. ANOVA−P=0.605
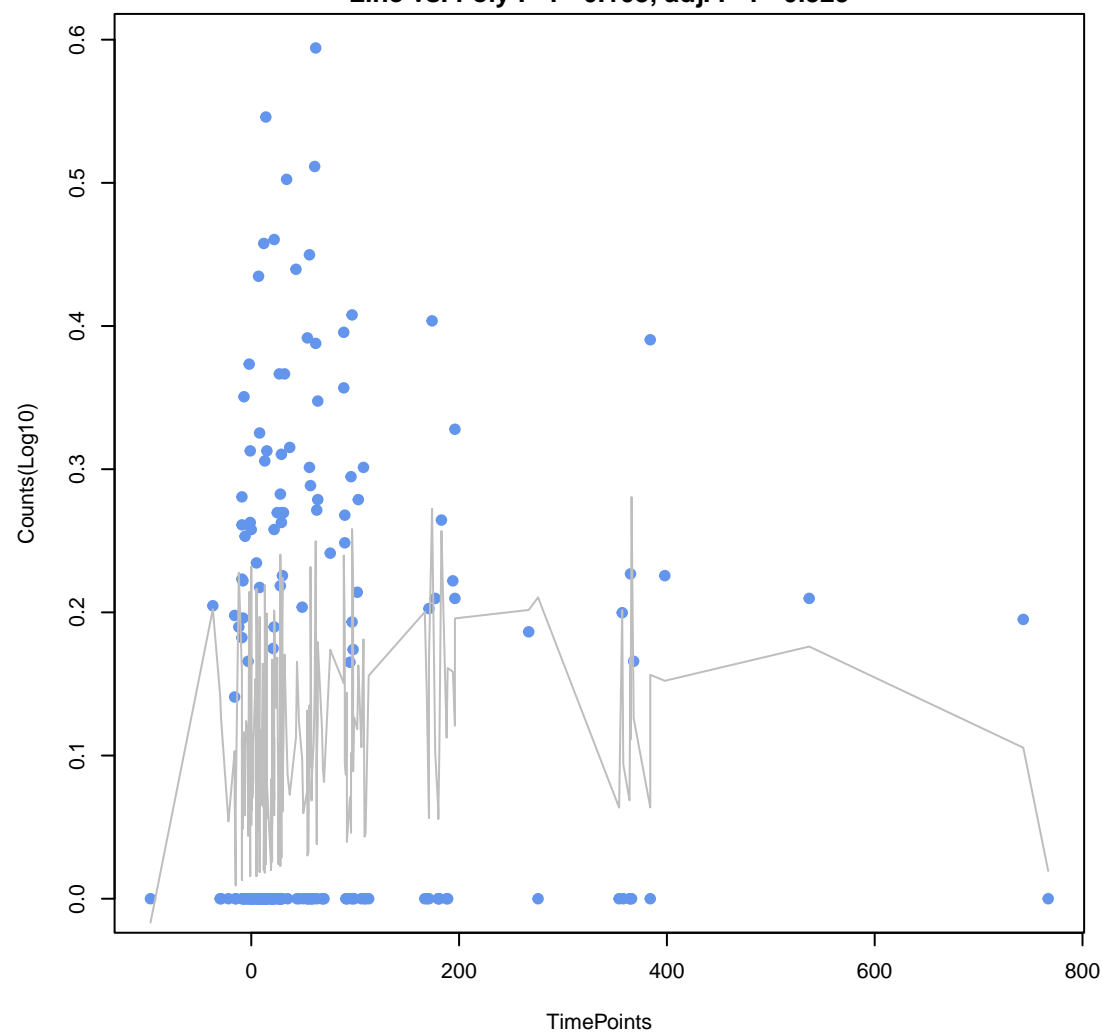Line vs. Poly F−P=0.017, adj. F−P=0.363

**carbapenem;cephalosporin;monobactam**
ANOVA P=0.151, adj. ANOVA−P=0.605
Line vs. Poly F−P=0.115, adj. F−P=0.529

**lincosamide antibiotic;macrolide antibiotic**
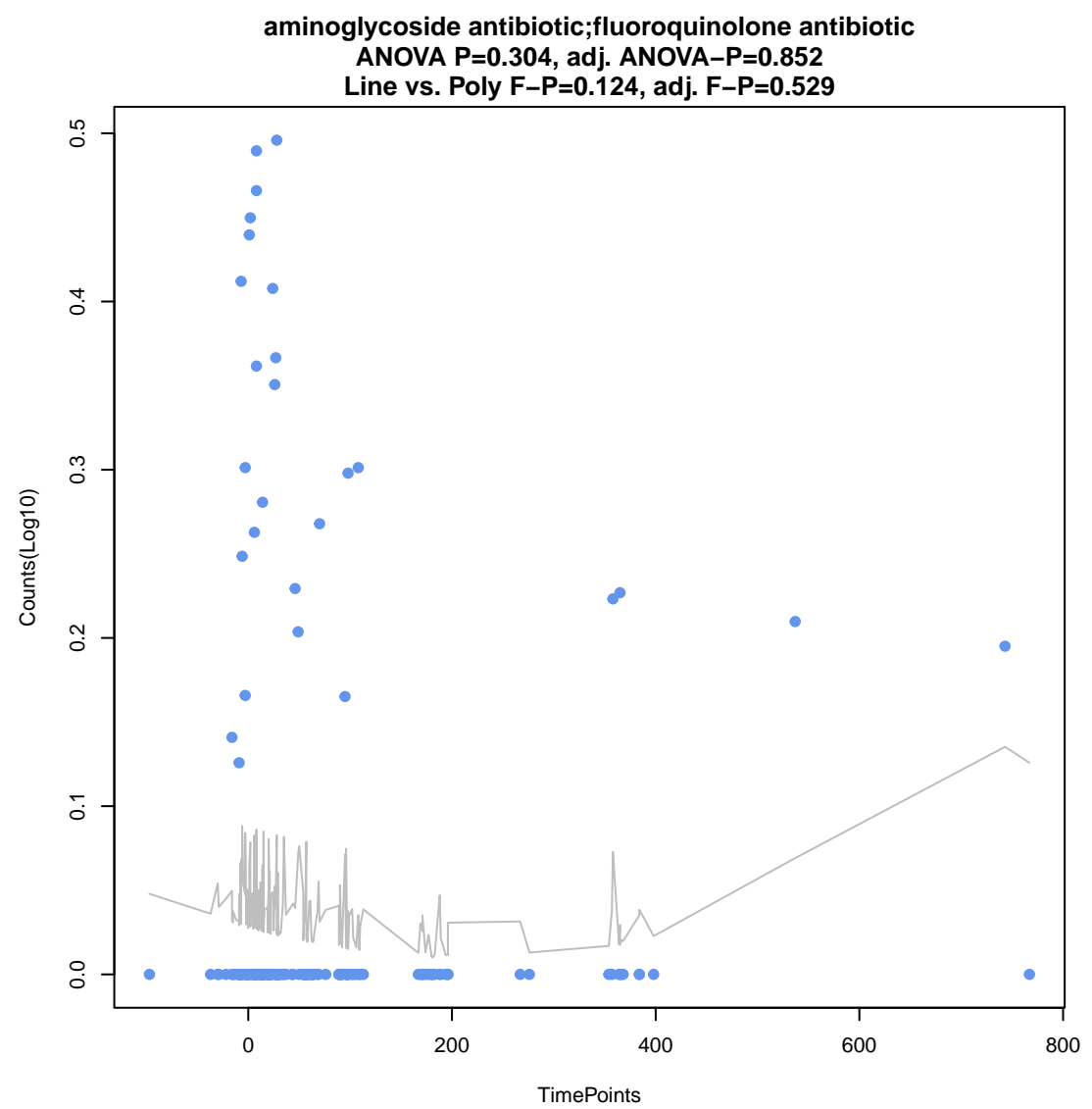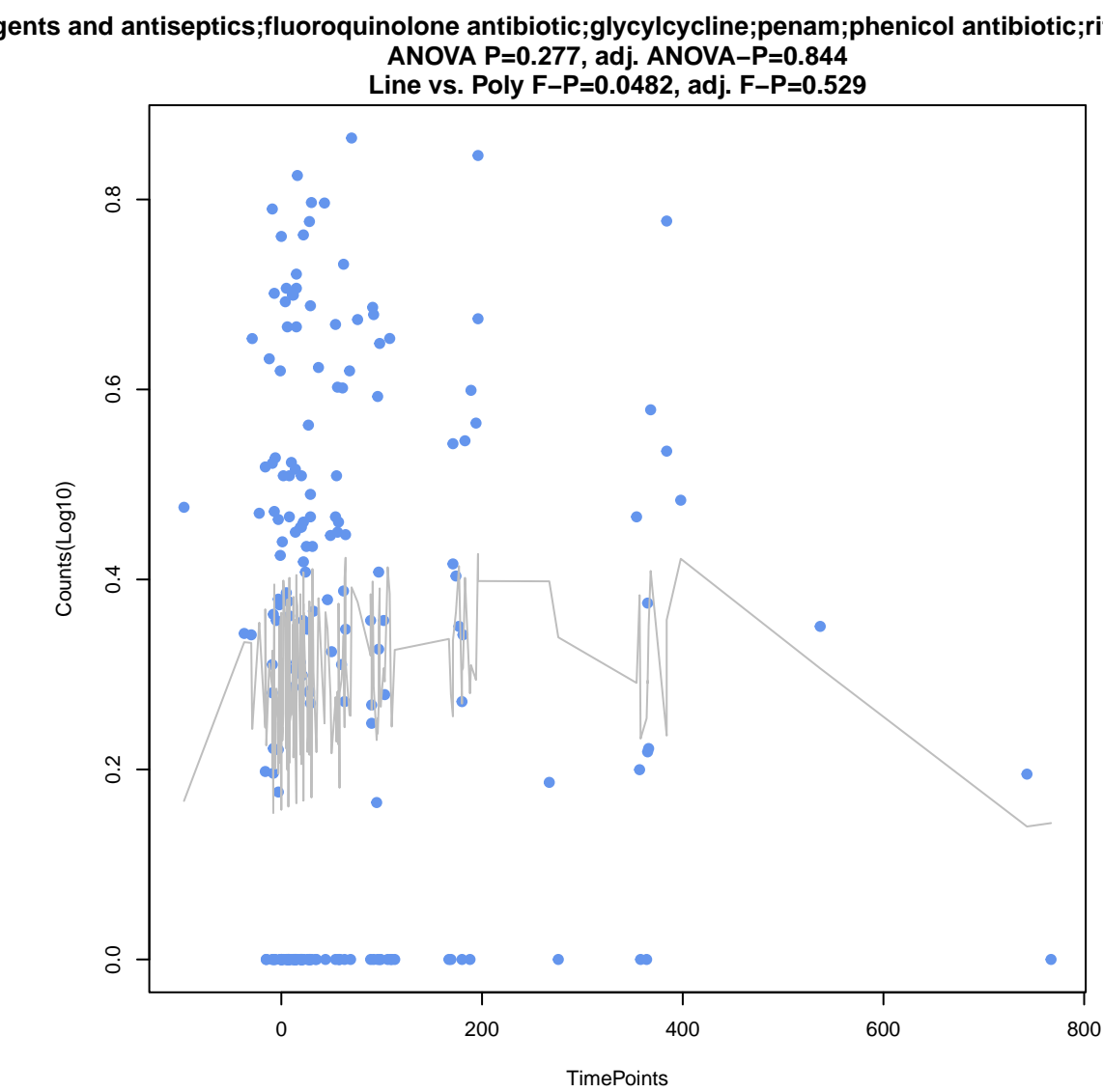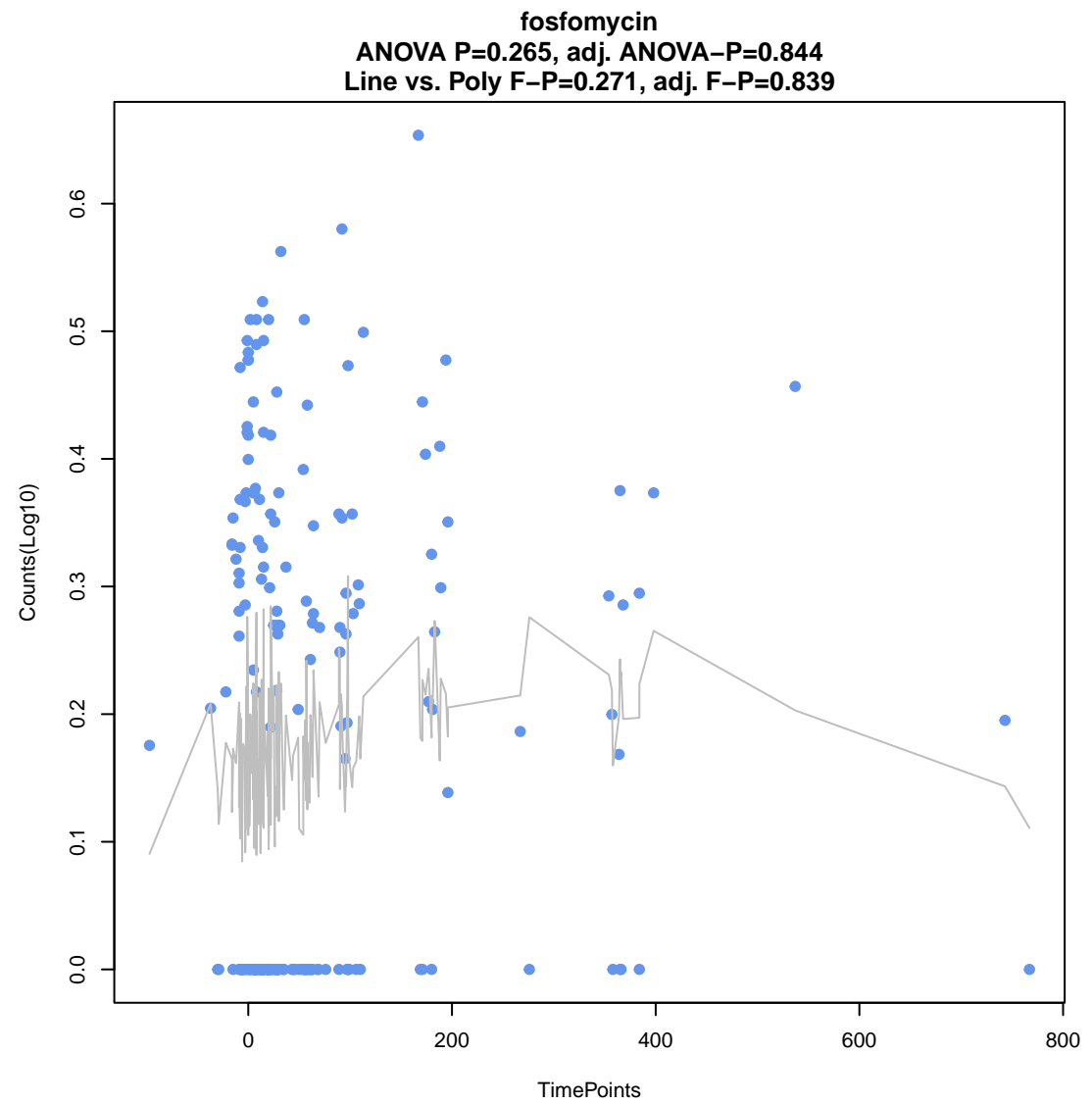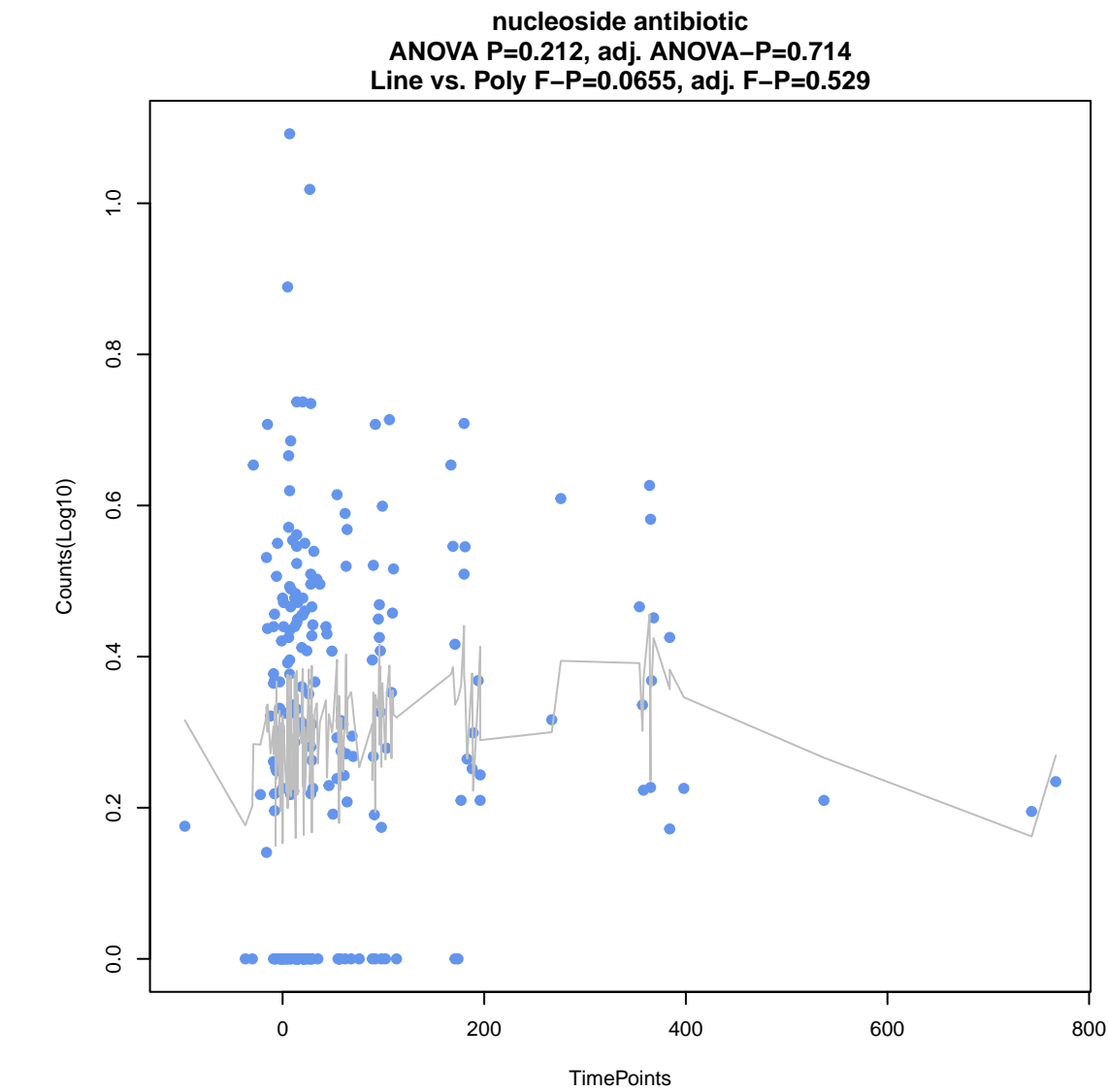ANOVA P=0.169, adj. ANOVA−P=0.637
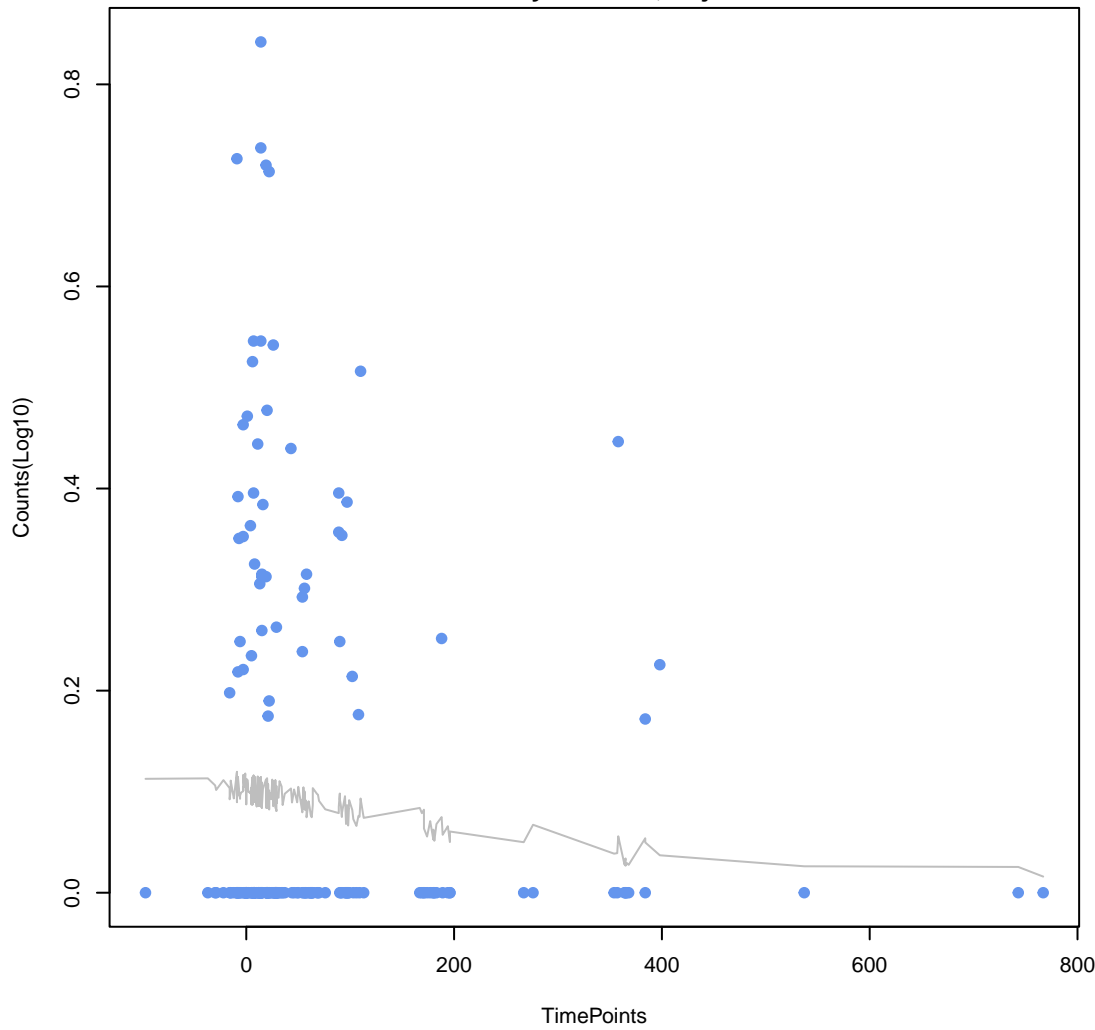Line vs. Poly F−P=1, adj. F−P=1

**ephalosporin;cephamycin;fluoroquinolone antibiotic;macrolide antibiotic;penam;tetracyclin**
ANOVA P=0.206, adj. ANOVA−P=0.714
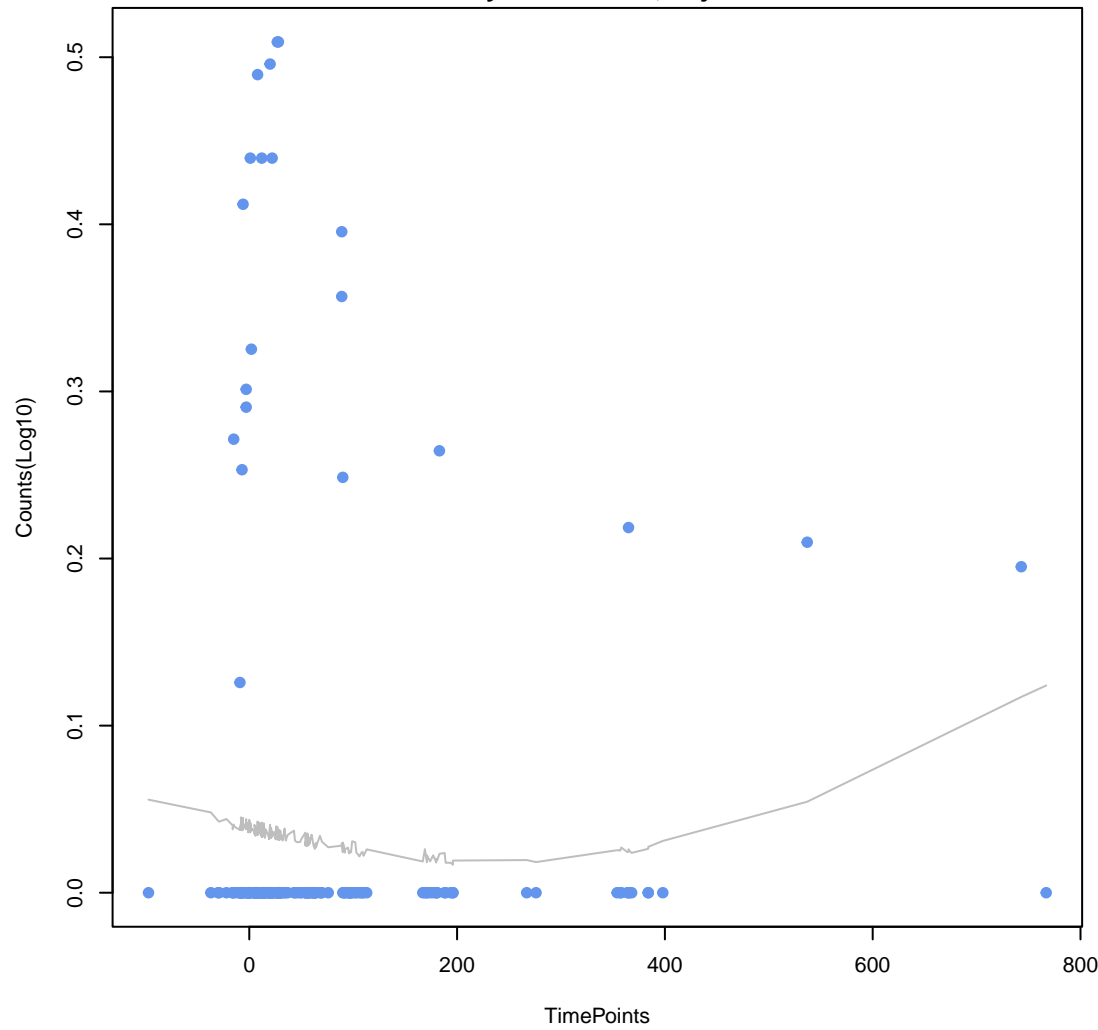Line vs. Poly F−P=0.103, adj. F−P=0.529

**nucleoside antibiotic**
**ANOVA P=0.212, adj. ANOVA−P=0.714**
**Line vs. Poly F−P=0.0655, adj. F−P=0.529**

**fosfomycin**
**ANOVA P=0.265, adj. ANOVA−P=0.844**
**Line vs. Poly F−P=0.271, adj. F−P=0.839**

agents and antiseptics;fluoroquinolone antibiotic;glycylcycline;penam;phenicol antibiotic;rif
**ANOVA P=0.277, adj. ANOVA−P=0.844**
**Line vs. Poly F−P=0.0482, adj. F−P=0.529**

**aminoglycoside antibiotic;fluoroquinolone antibiotic**
**ANOVA P=0.304, adj. ANOVA−P=0.852**
**Line vs. Poly F−P=0.124, adj. F−P=0.529**

ting agents and antiseptics;fluoroquinolone antibiotic;glycylcycline;penam;phenicol antib
**ANOVA P=0.306, adj. ANOVA−P=0.852**
**Line vs. Poly F−P=0.501, adj. F−P=1**

agents and antiseptics;fluoroquinolone antibiotic;glycylcycline;monobactam;penam;penen
**ANOVA P=0.32, adj. ANOVA−P=0.853**
**Line vs. Poly F−P=0.268, adj. F−P=0.839**

**cephalosporin**
**ANOVA P=0.356, adj. ANOVA−P=0.861**
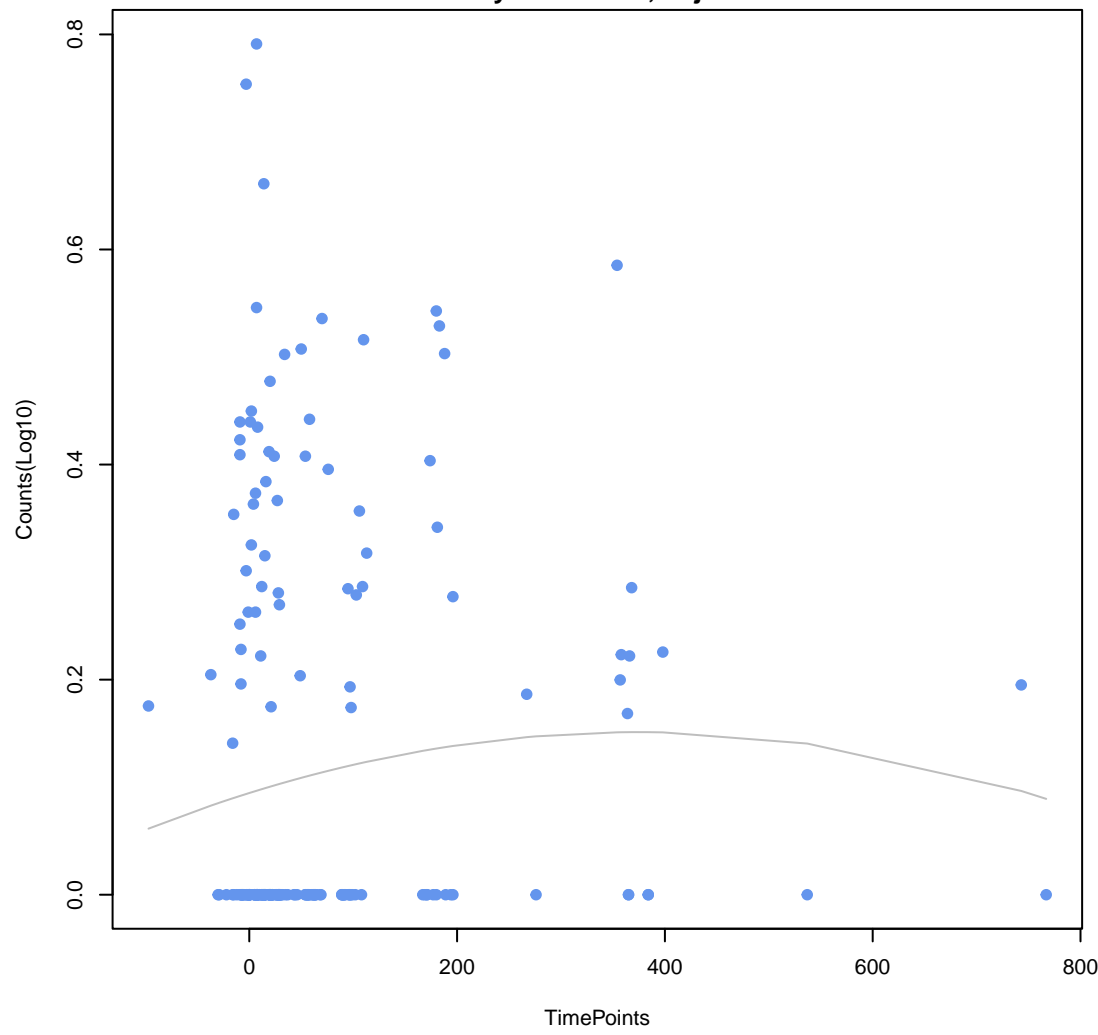**Line vs. Poly F−P=0.5, adj. F−P=1**

**streptogramin B antibiotic;streptogramin antibiotic**
**ANOVA P=0.36, adj. ANOVA−P=0.861**
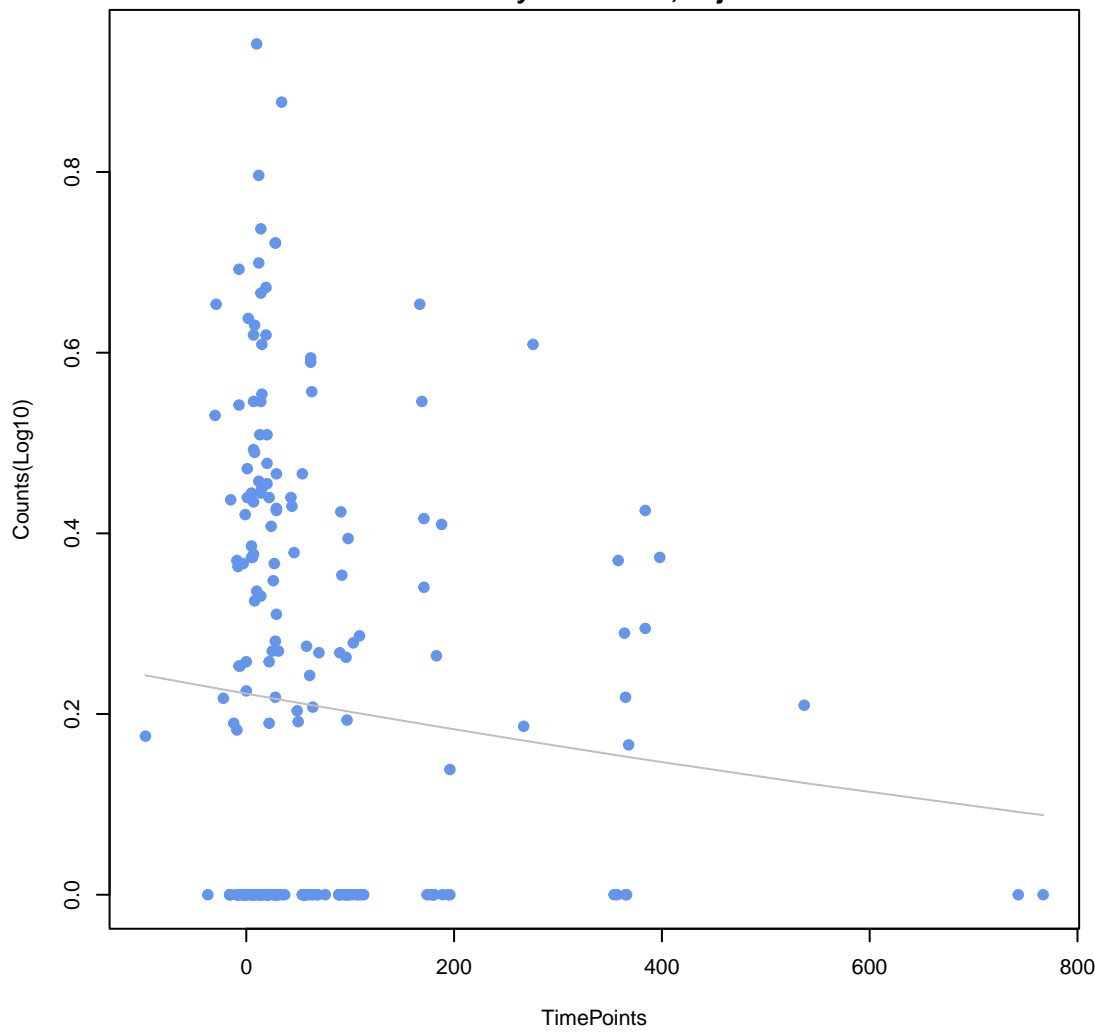**Line vs. Poly F−P=0.0815, adj. F−P=0.529**

**lincosamide antibiotic**
**ANOVA P=0.363, adj. ANOVA−P=0.861**
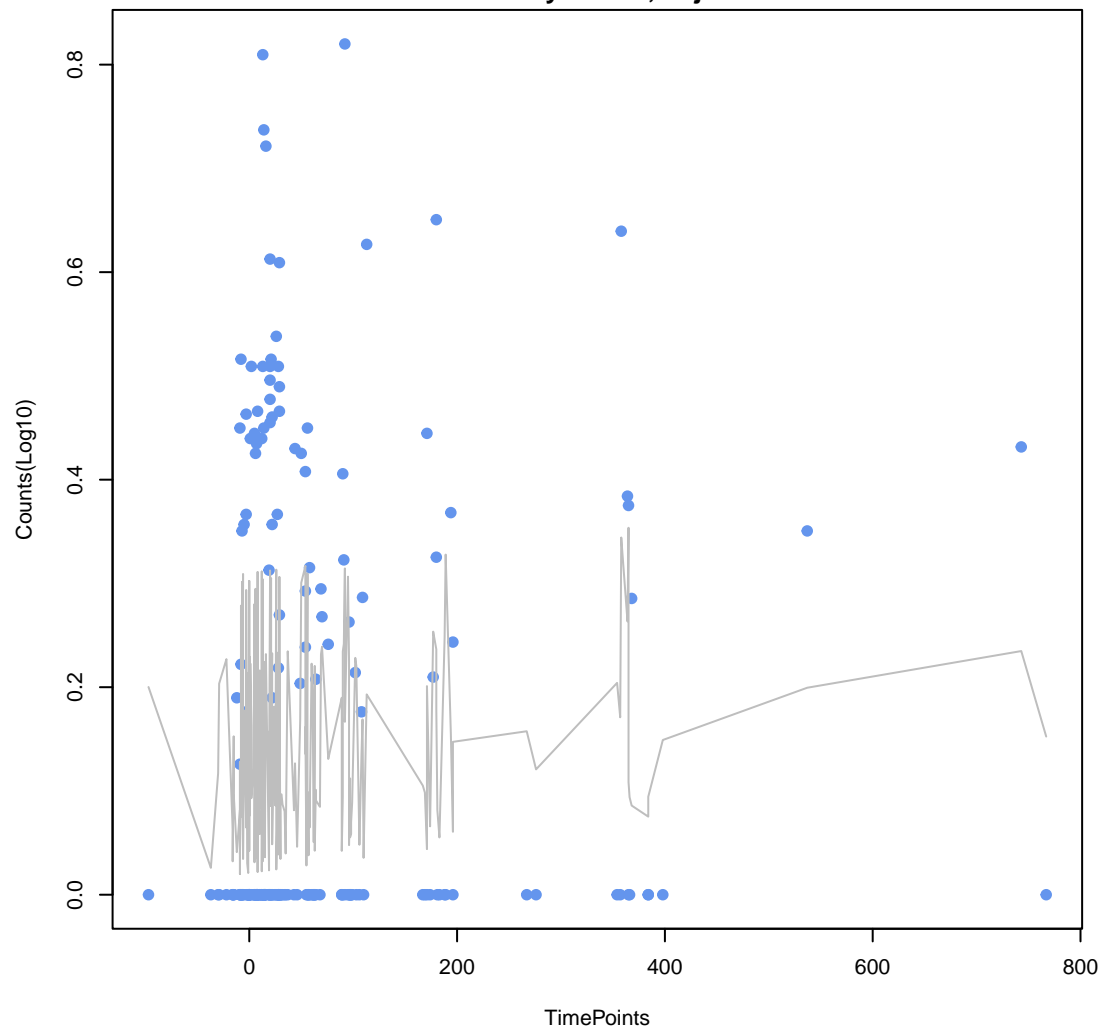**Line vs. Poly F−P=1, adj. F−P=1**
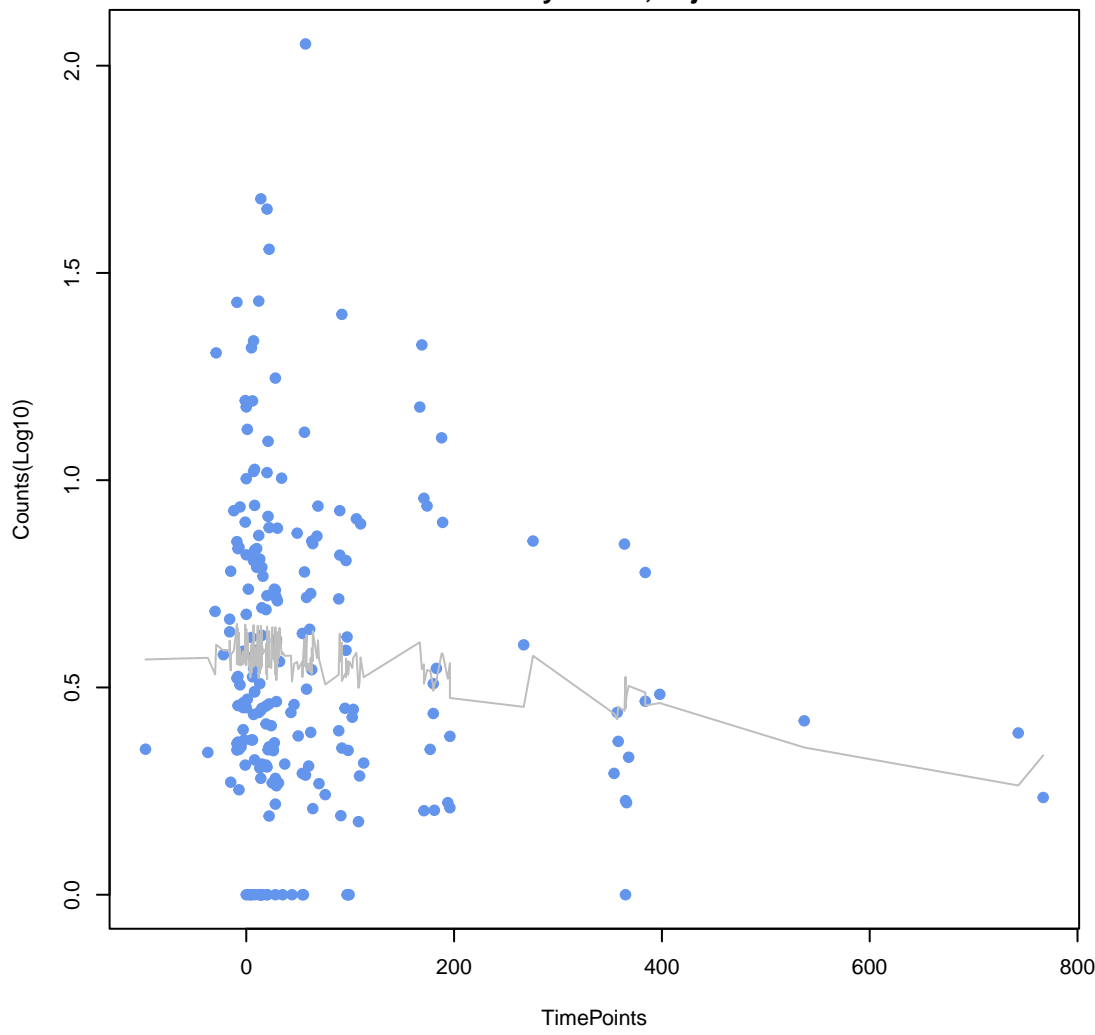
**macrolide antibiotic;penam**
**ANOVA P=0.404, adj. ANOVA−P=0.892**
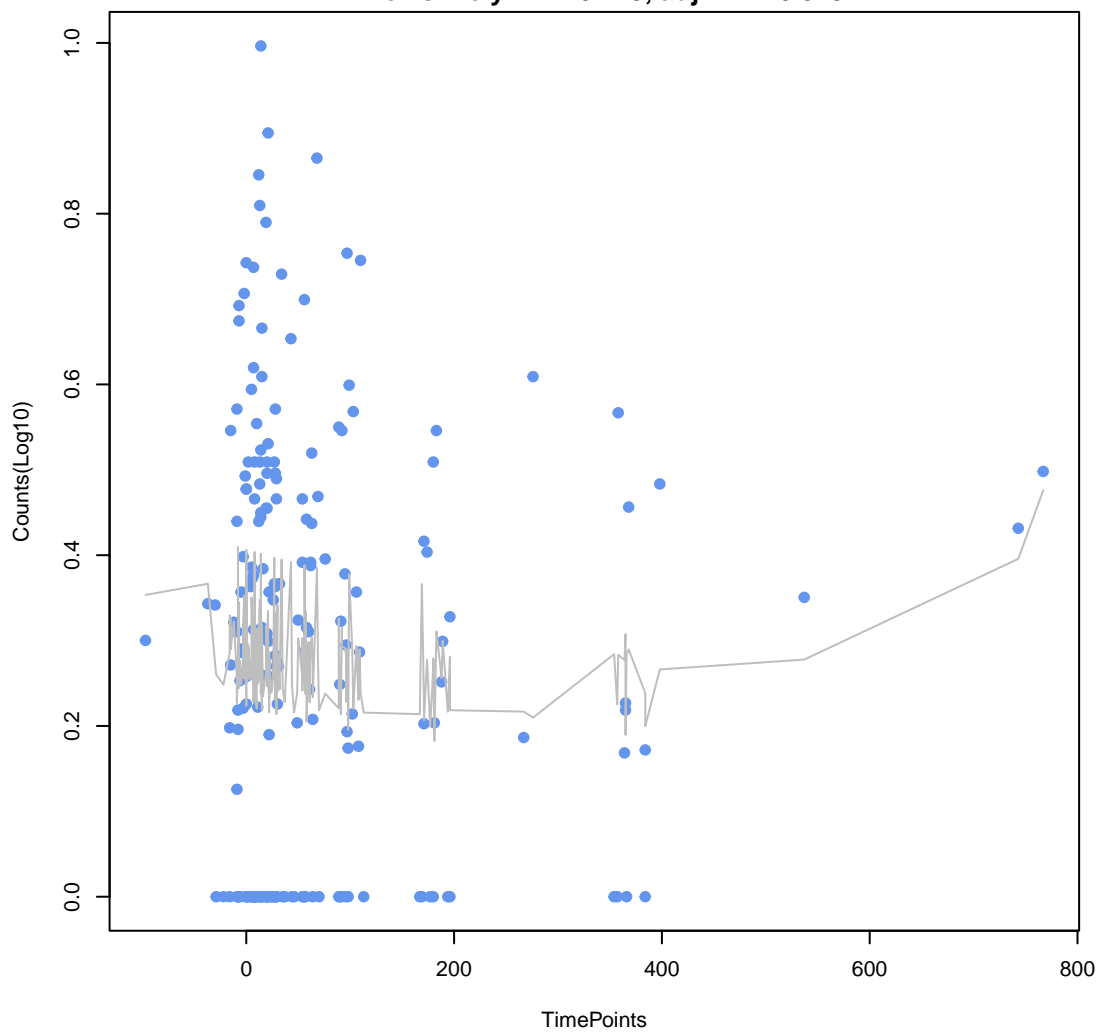**Line vs. Poly F−P=0.354, adj. F−P=0.986**

**macrolide antibiotic;streptogramin B antibiotic;streptogramin antibiotic**
**ANOVA P=0.415, adj. ANOVA−P=0.892**
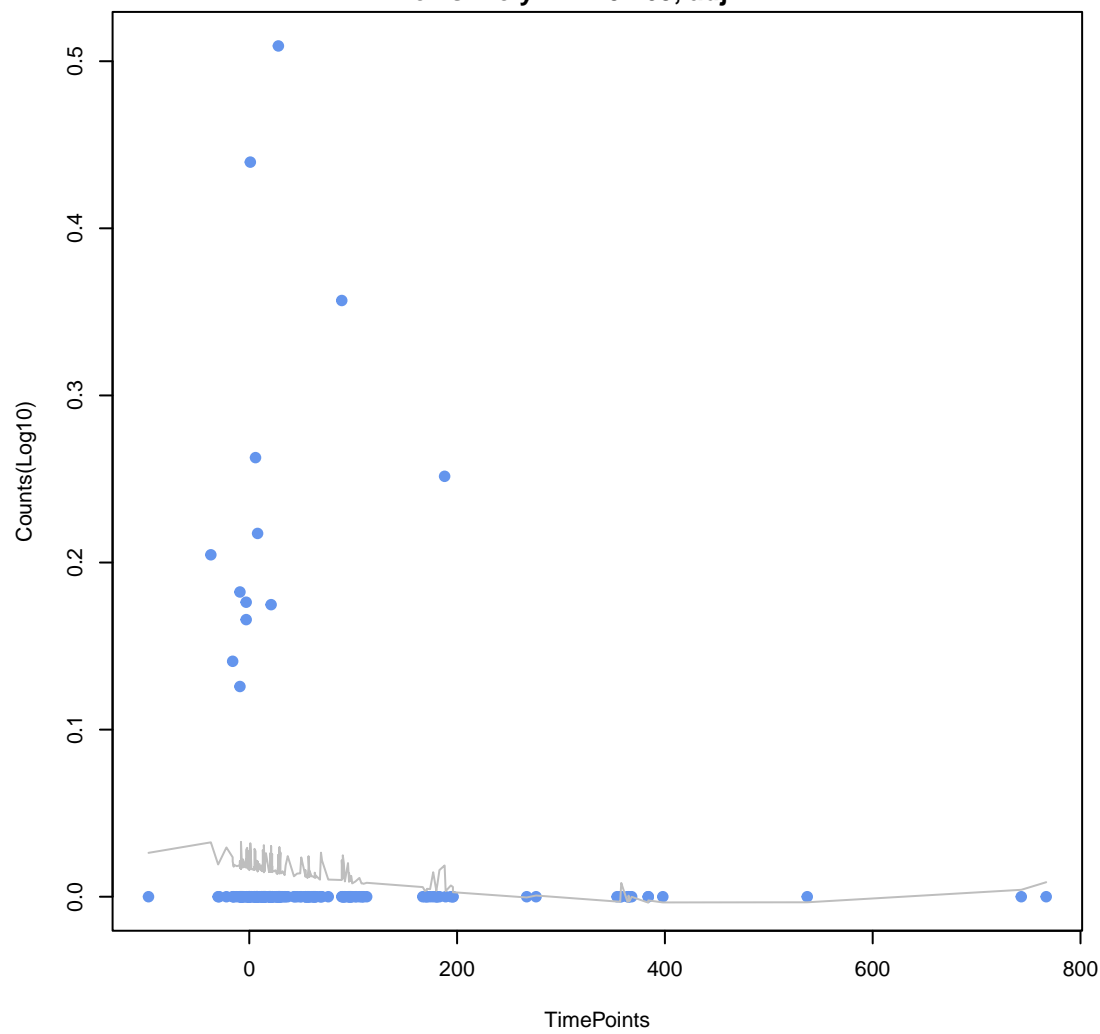**Line vs. Poly F−P=0.947, adj. F−P=1**

**ycoside antibiotic;disinfecting agents and antiseptics;fluoroquinolone antibiotic;penam;tetr**
**ANOVA P=0.44, adj. ANOVA−P=0.892**
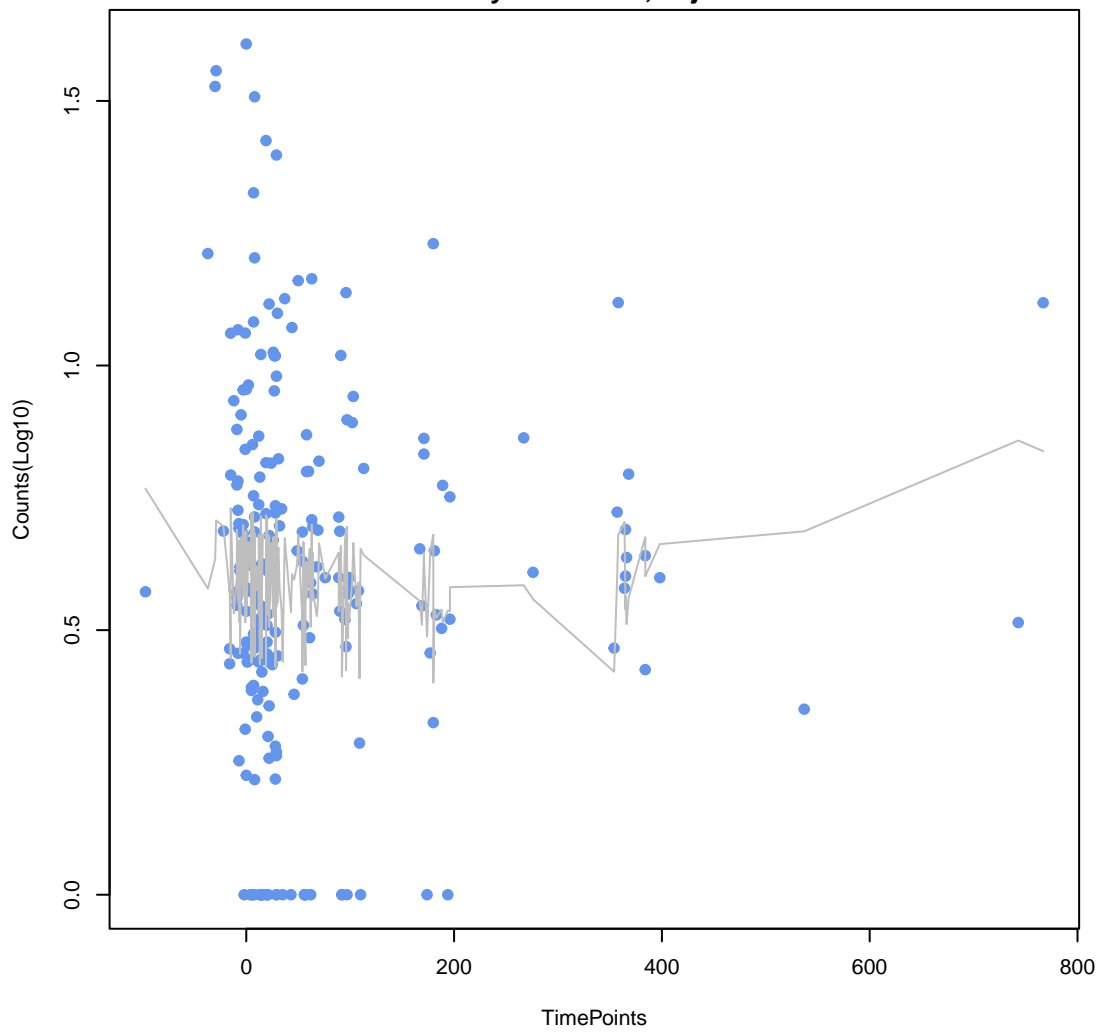**Line vs. Poly F−P=1, adj. F−P=1**

**fluoroquinolone antibiotic;macrolide antibiotic;rifamycin antibiotic**
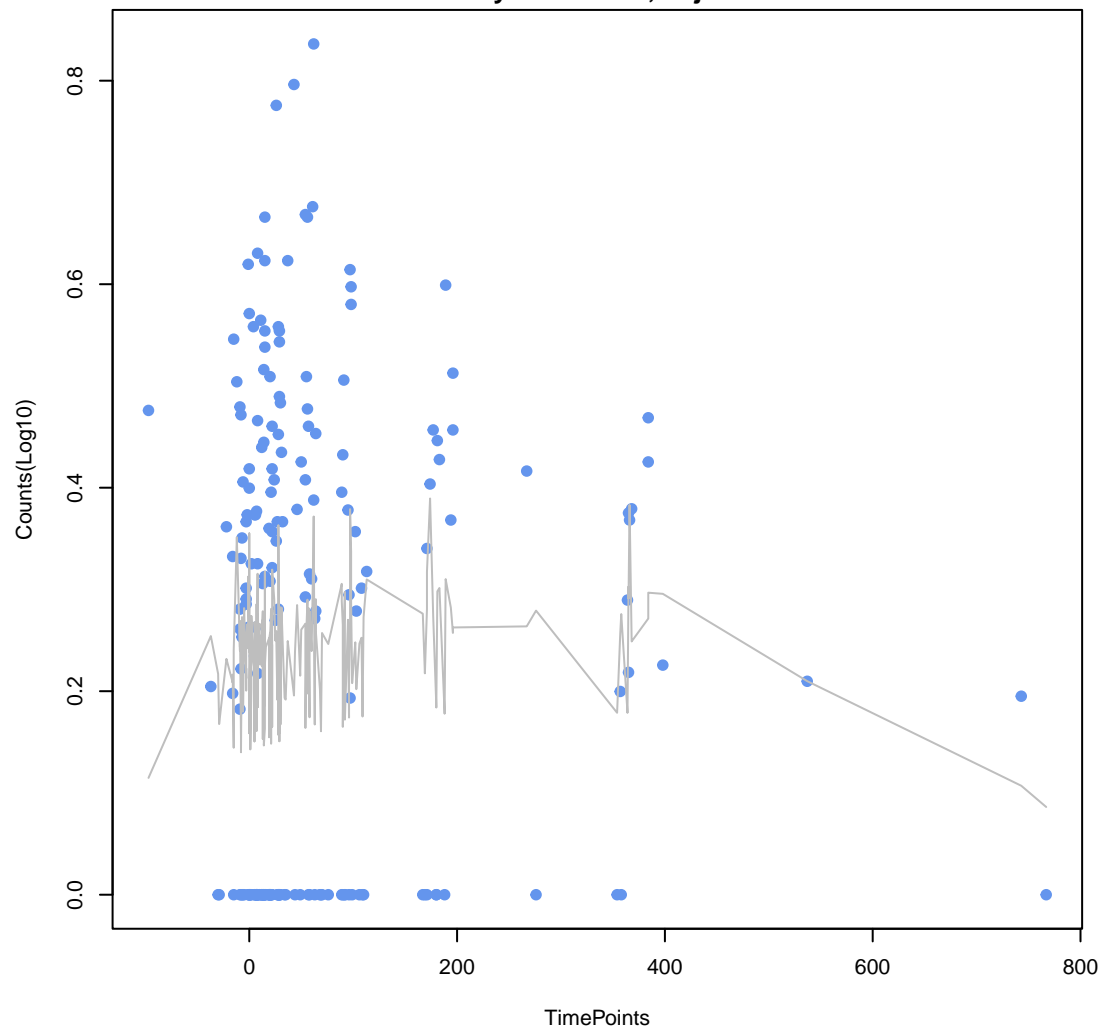ANOVA P=0.444, adj. ANOVA-P=0.892
Line vs. Poly F-P=0.119, adj. F-P=0.529

**elfamycin antibiotic**
ANOVA P=0.459, adj. ANOVA-P=0.892
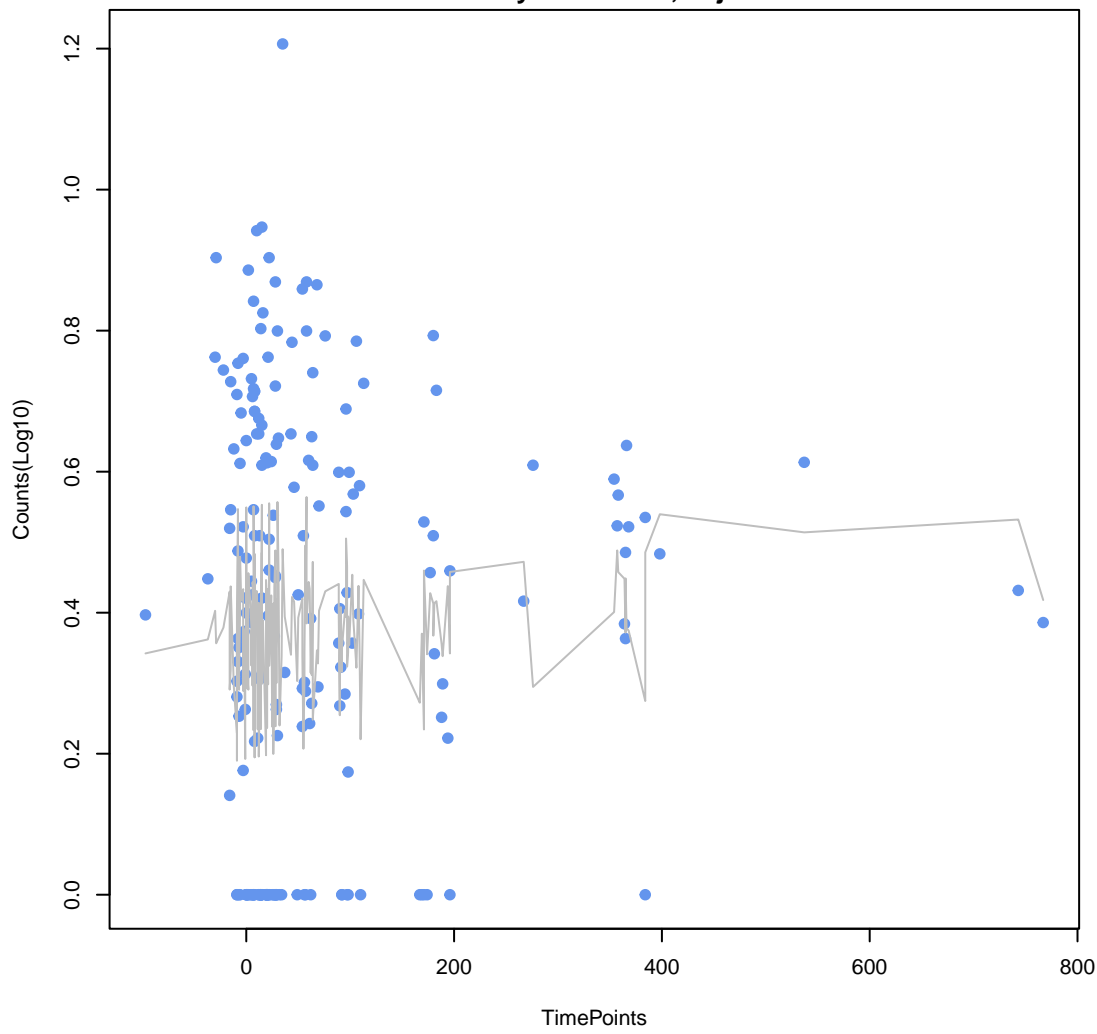Line vs. Poly F-P=0.465, adj. F-P=1

**glycopeptide antibiotic**
ANOVA P=0.48, adj. ANOVA-P=0.892
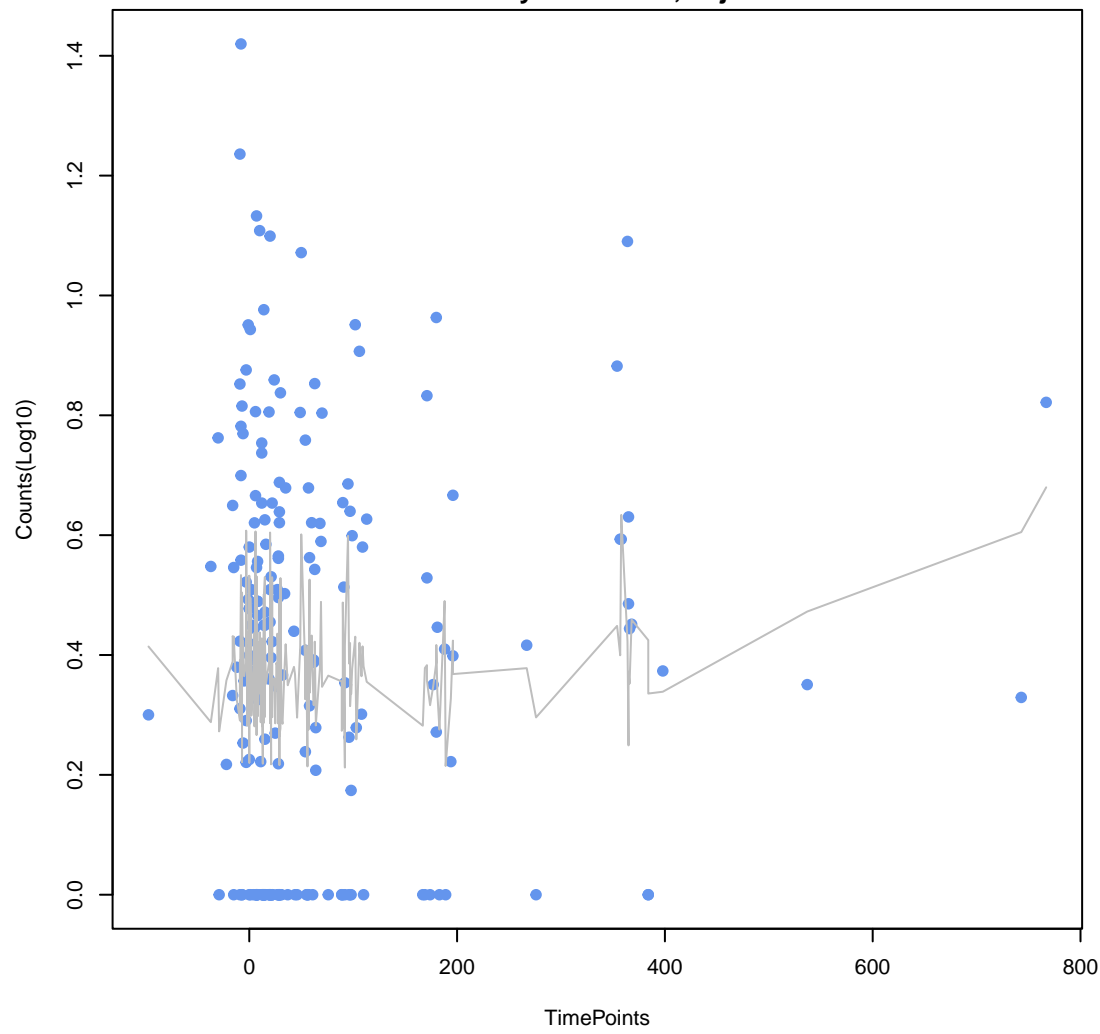Line vs. Poly F-P=0.275, adj. F-P=0.839

**nitroimidazole antibiotic**
ANOVA P=0.49, adj. ANOVA-P=0.892
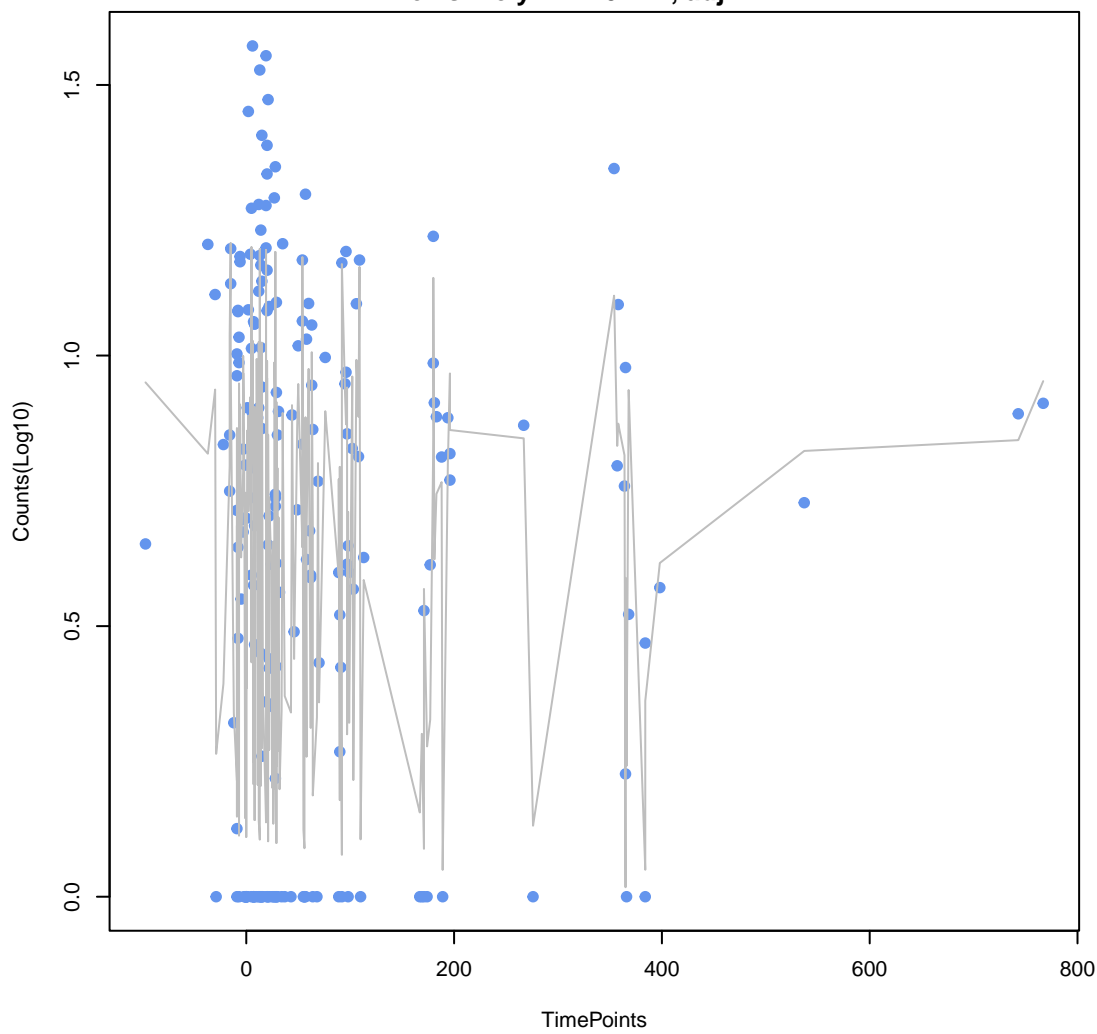Line vs. Poly F-P=0.353, adj. F-P=0.986

**oxazolidinone antibiotic;phenicol antibiotic;tetracycline antibiotic**
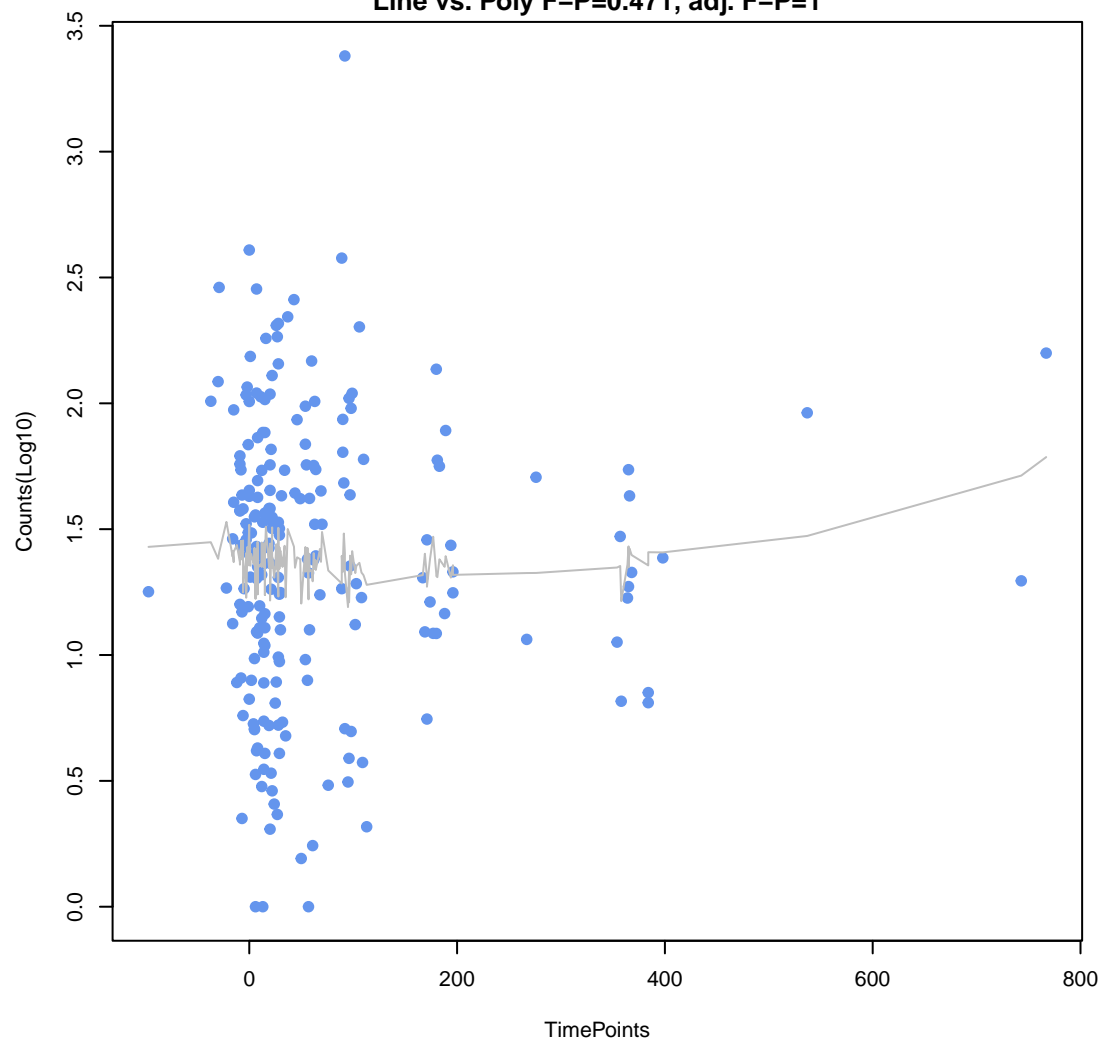ANOVA P=0.491, adj. ANOVA-P=0.892
Line vs. Poly F-P=0.758, adj. F-P=1

**carbapenem**
ANOVA P=0.502, adj. ANOVA-P=0.892
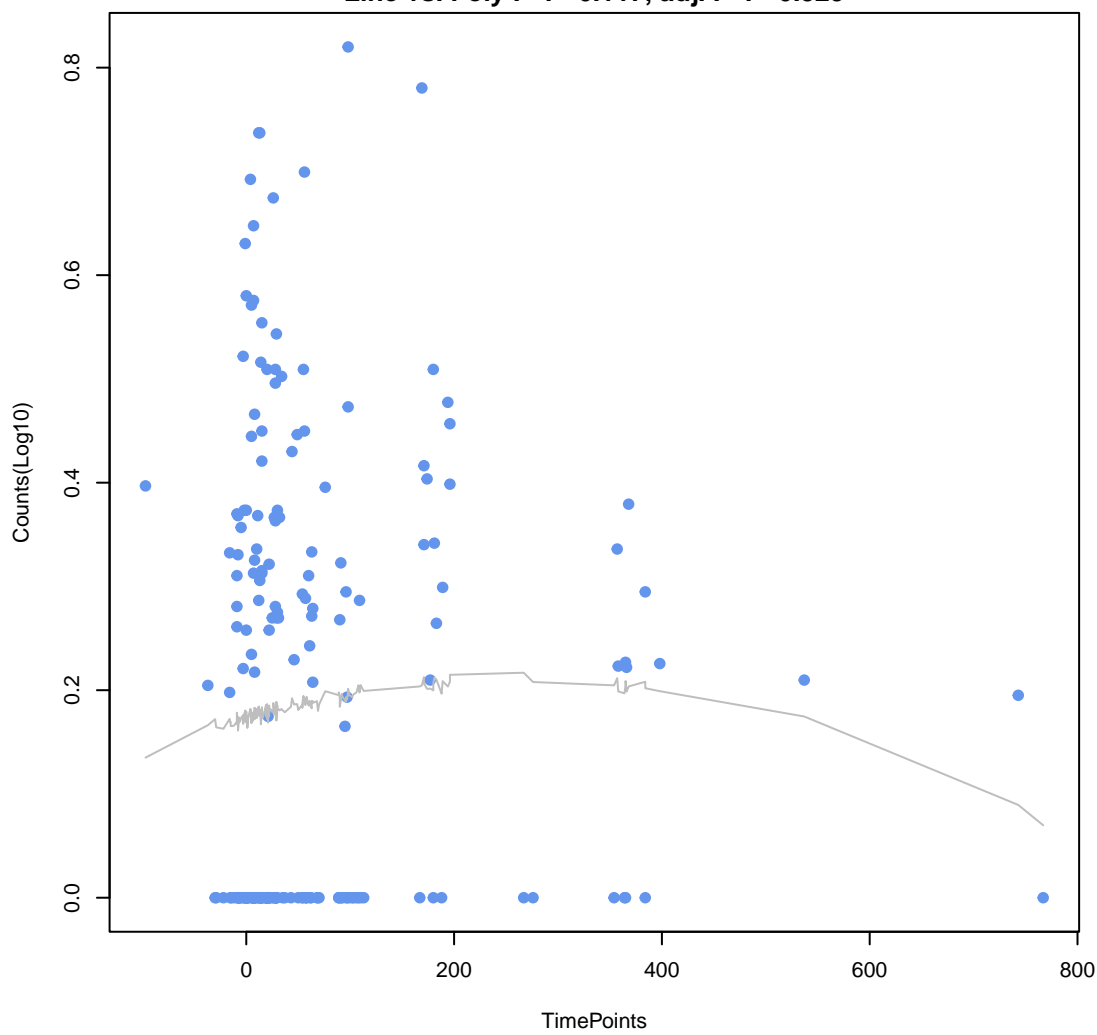Line vs. Poly F-P=0.755, adj. F-P=1

**fluoroquinolone antibiotic;tetracycline antibiotic**
**ANOVA P=0.523, adj. ANOVA-P=0.905**
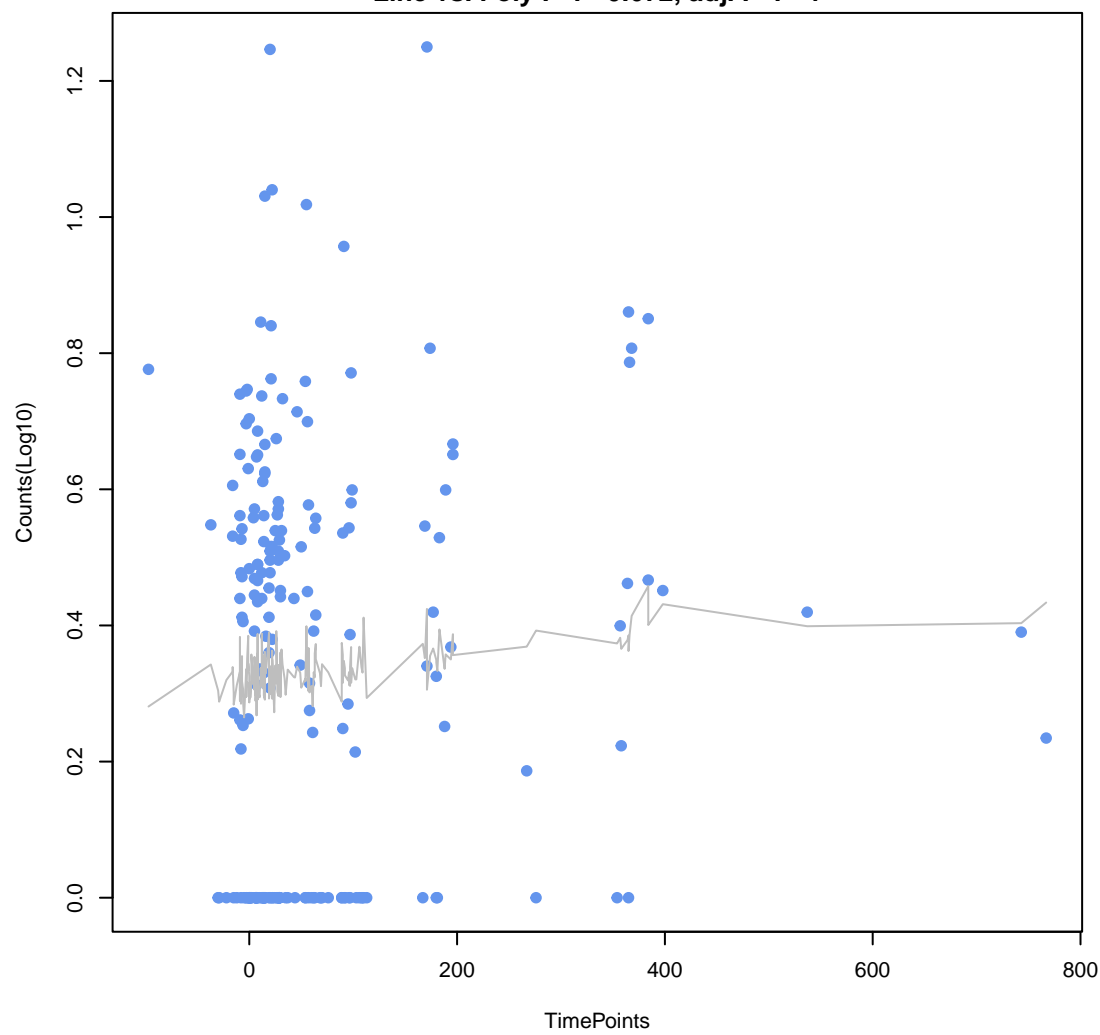**Line vs. Poly F-P=0.772, adj. F-P=1**

**tetracycline antibiotic**
**ANOVA P=0.562, adj. ANOVA-P=0.939**
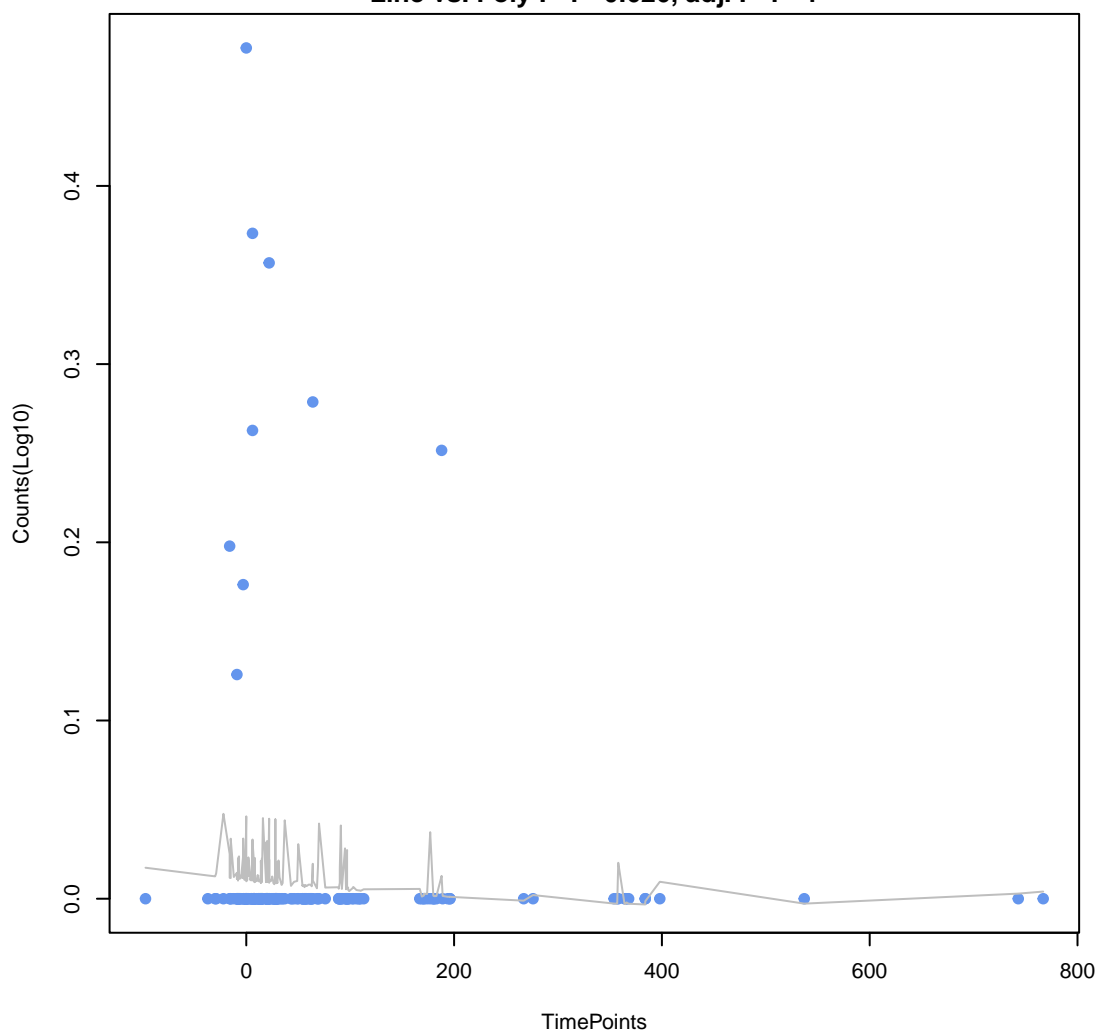**Line vs. Poly F-P=0.471, adj. F-P=1**

**n;disinfecting agents and antiseptics;fluoroquinolone antibiotic;glycylcycline;macrolide an**
**ANOVA P=0.572, adj. ANOVA-P=0.939**
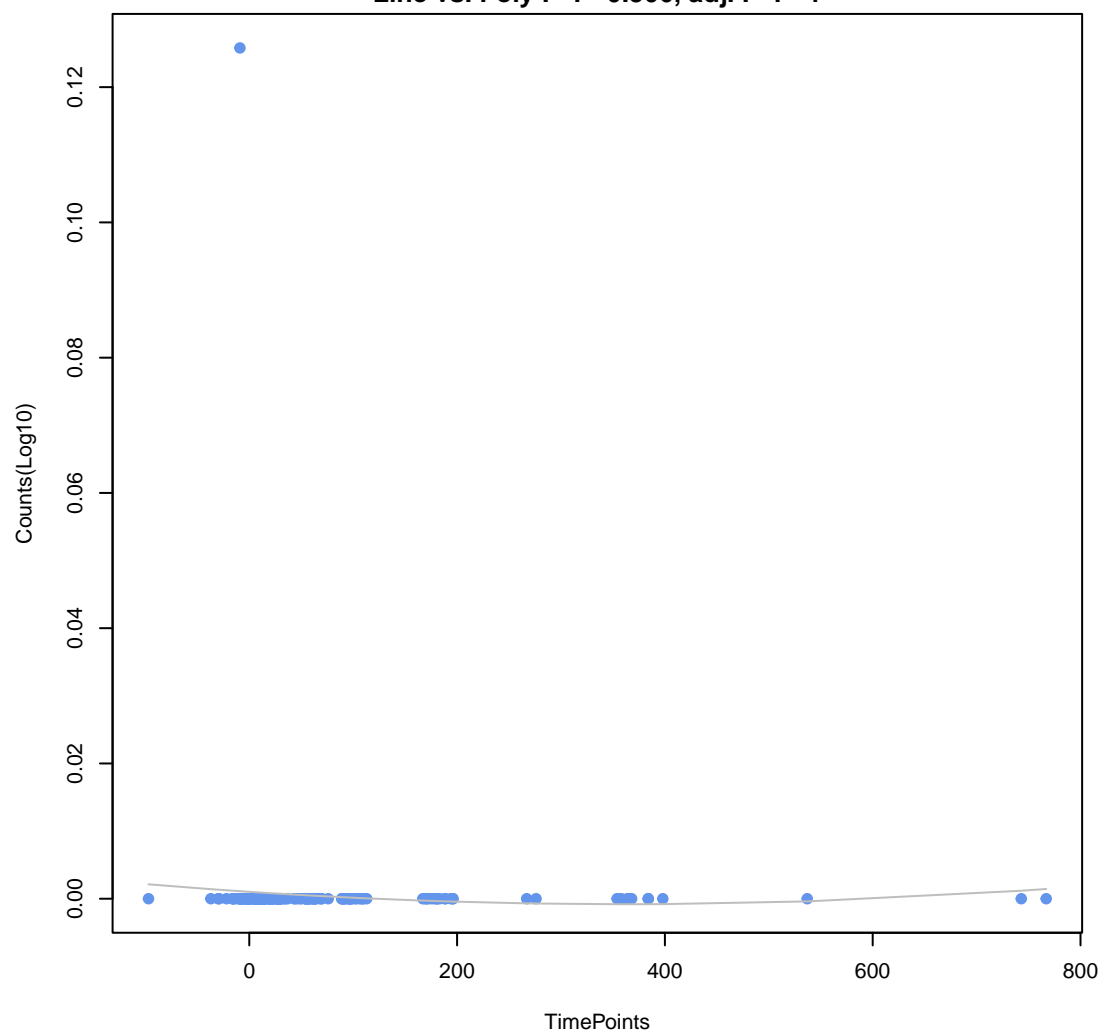**Line vs. Poly F-P=0.117, adj. F-P=0.529**

**fluoroquinolone antibiotic;macrolide antibiotic;penam;tetracycline antibiotic**
**ANOVA P=0.615, adj. ANOVA-P=0.961**
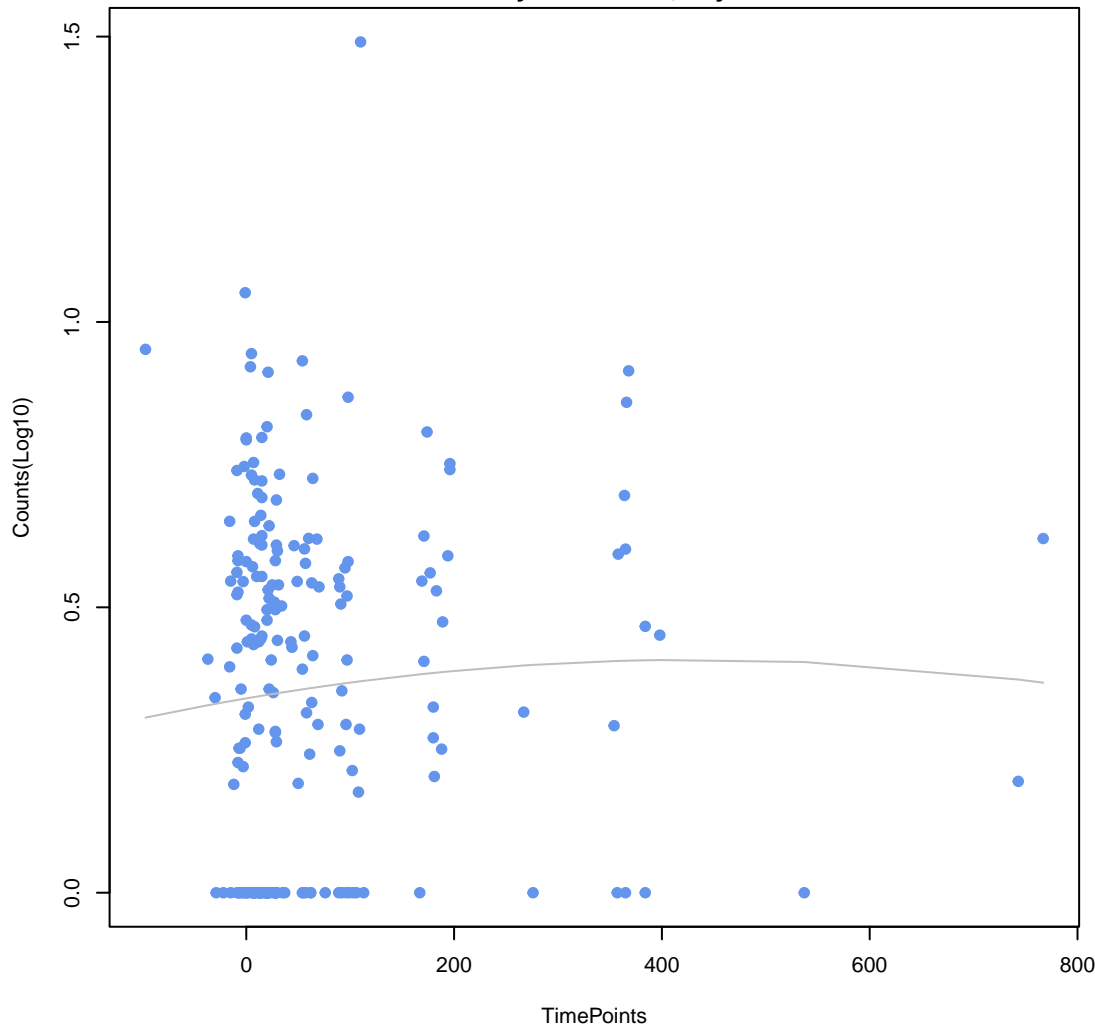**Line vs. Poly F-P=0.672, adj. F-P=1**

**cephalosporin;cephamycin;penam**
**ANOVA P=0.638, adj. ANOVA-P=0.961**
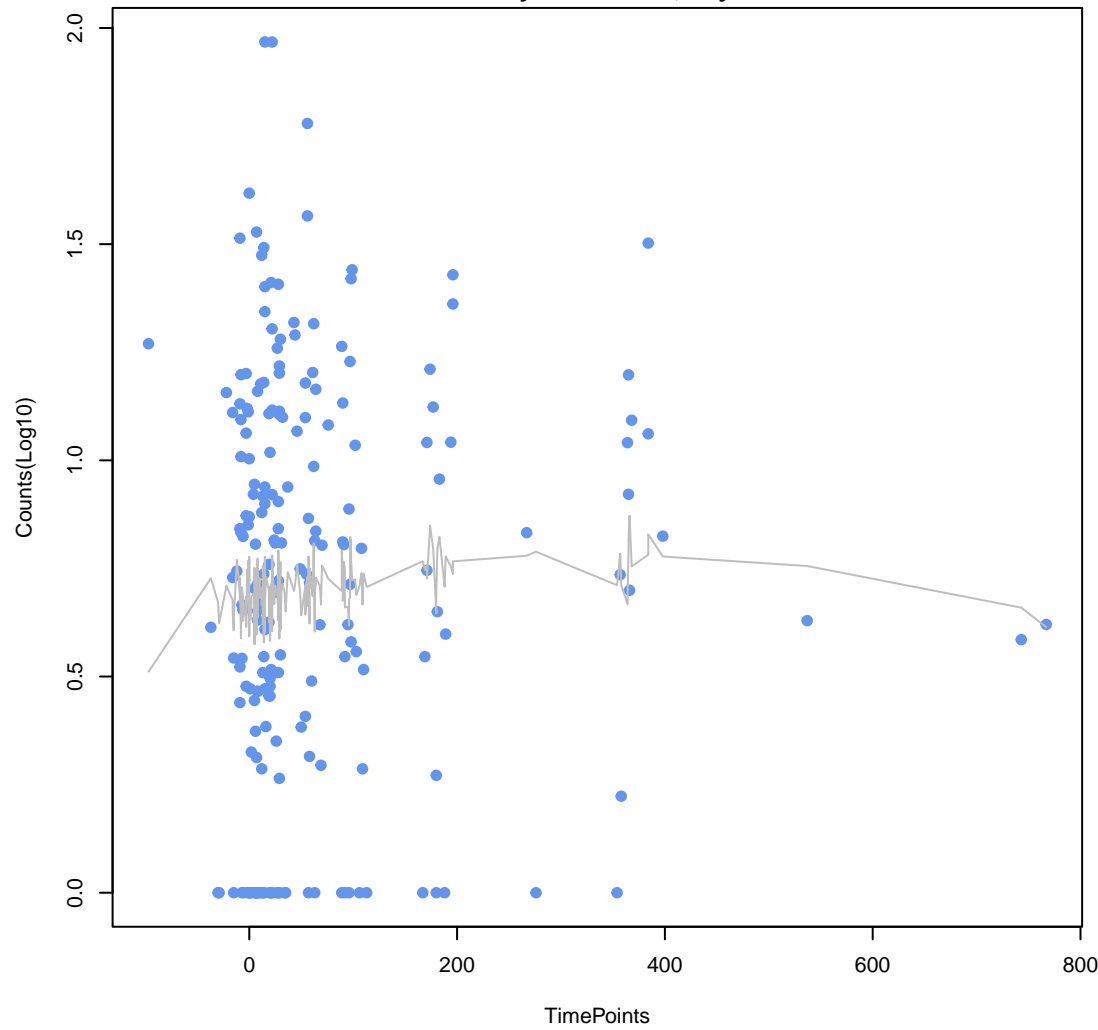**Line vs. Poly F-P=0.626, adj. F-P=1**

**cephalosporin;monobactam;penam**
**ANOVA P=0.652, adj. ANOVA-P=0.961**
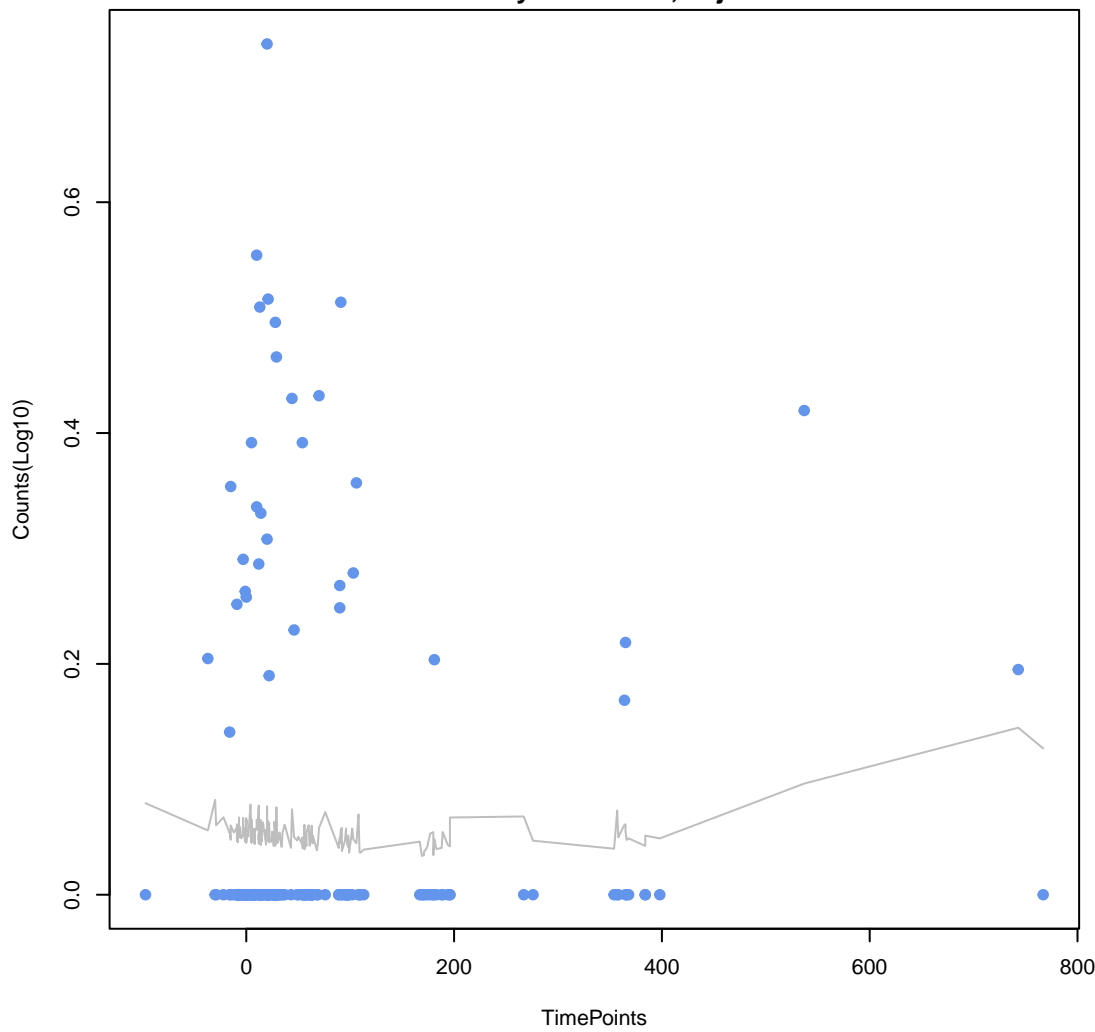**Line vs. Poly F-P=0.506, adj. F-P=1**

**cephalosporin;cephamycin;fluoroquinolone antibiotic;penam**
ANOVA P=0.662, adj. ANOVA-P=0.961
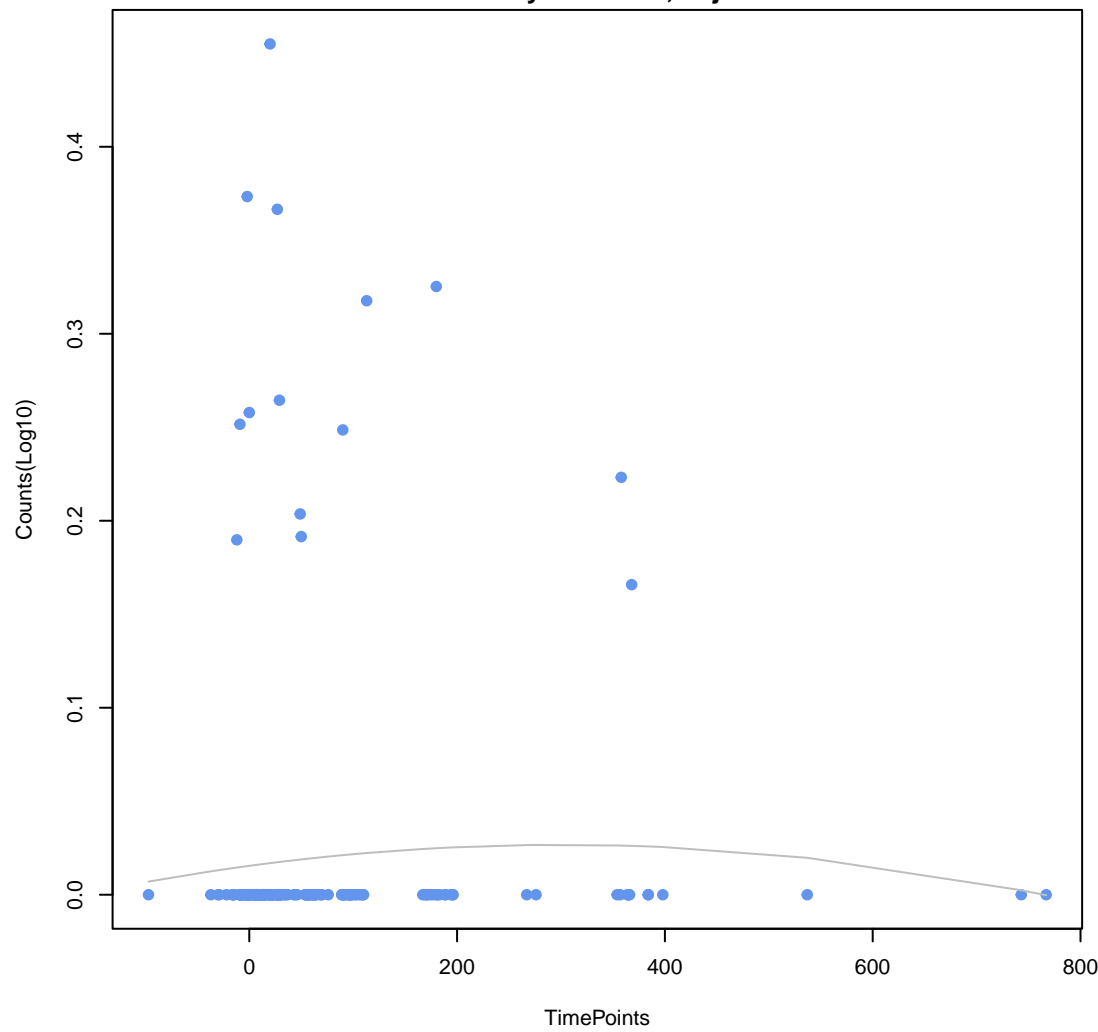Line vs. Poly F-P=0.621, adj. F-P=1

**aminocoumarin antibiotic**
ANOVA P=0.665, adj. ANOVA-P=0.961
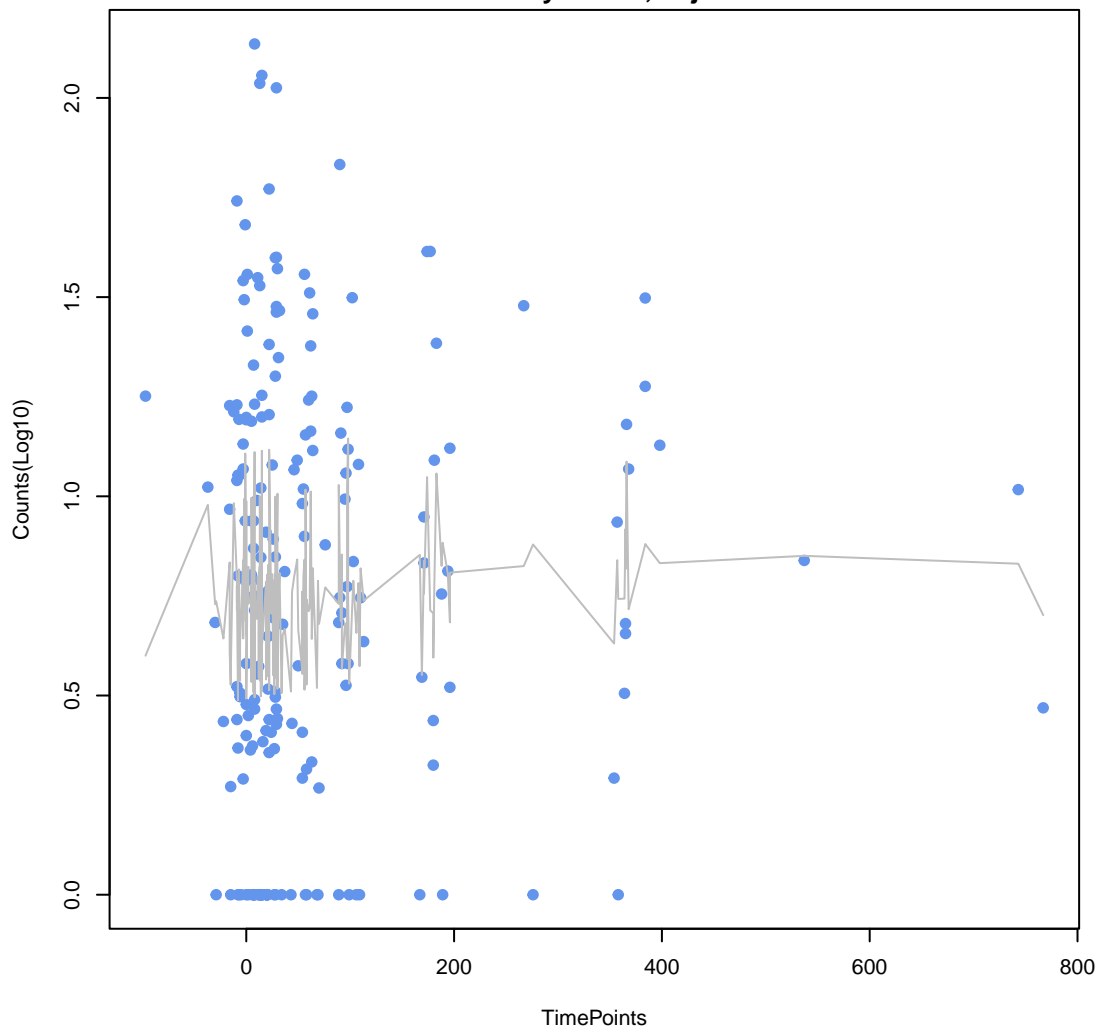Line vs. Poly F-P=0.739, adj. F-P=1

**lincosamide antibiotic;macrolide antibiotic;streptogramin antibiotic**
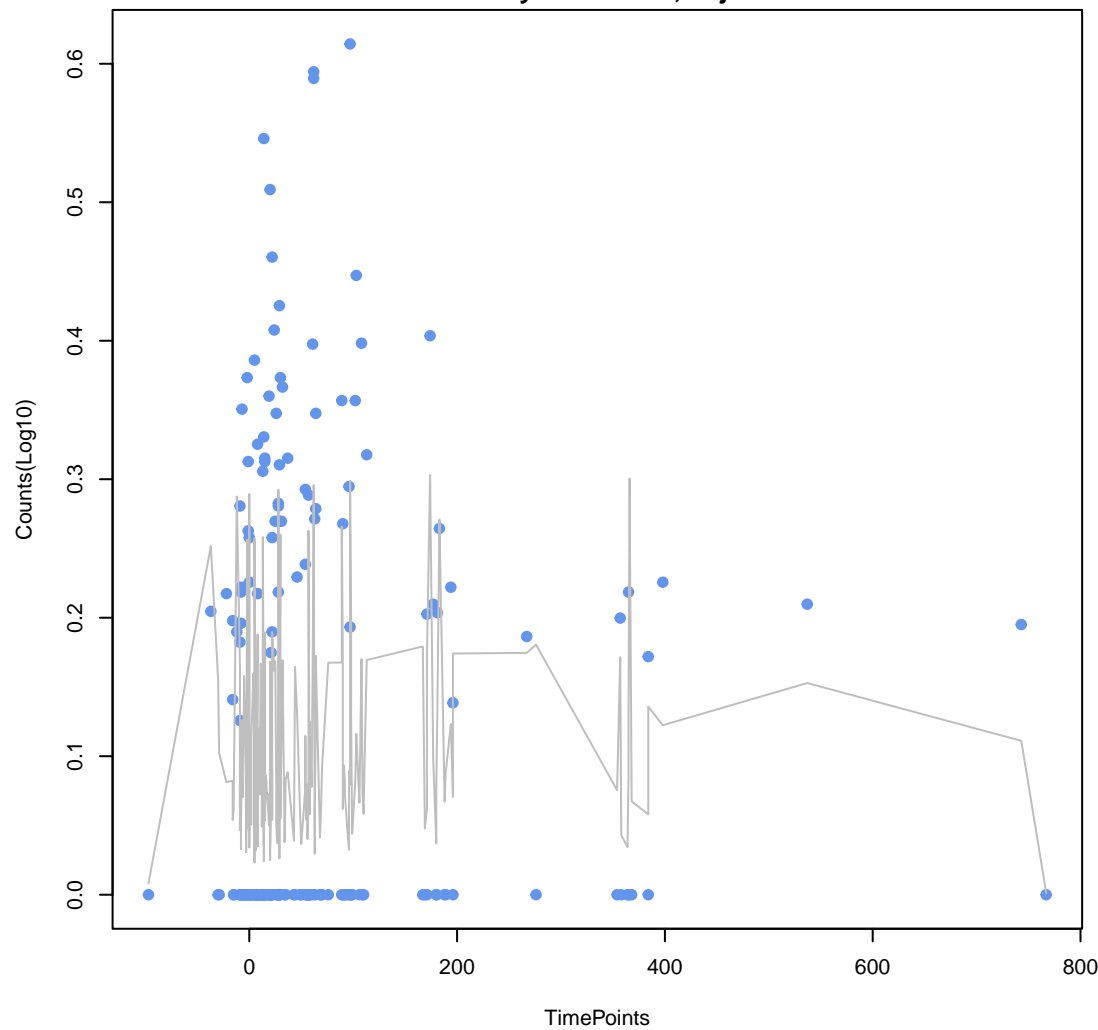ANOVA P=0.676, adj. ANOVA-P=0.961
Line vs. Poly F-P=0.874, adj. F-P=1

**cephalosporin;cephamycin;monobactam;penam;penem**
ANOVA P=0.731, adj. ANOVA-P=0.963
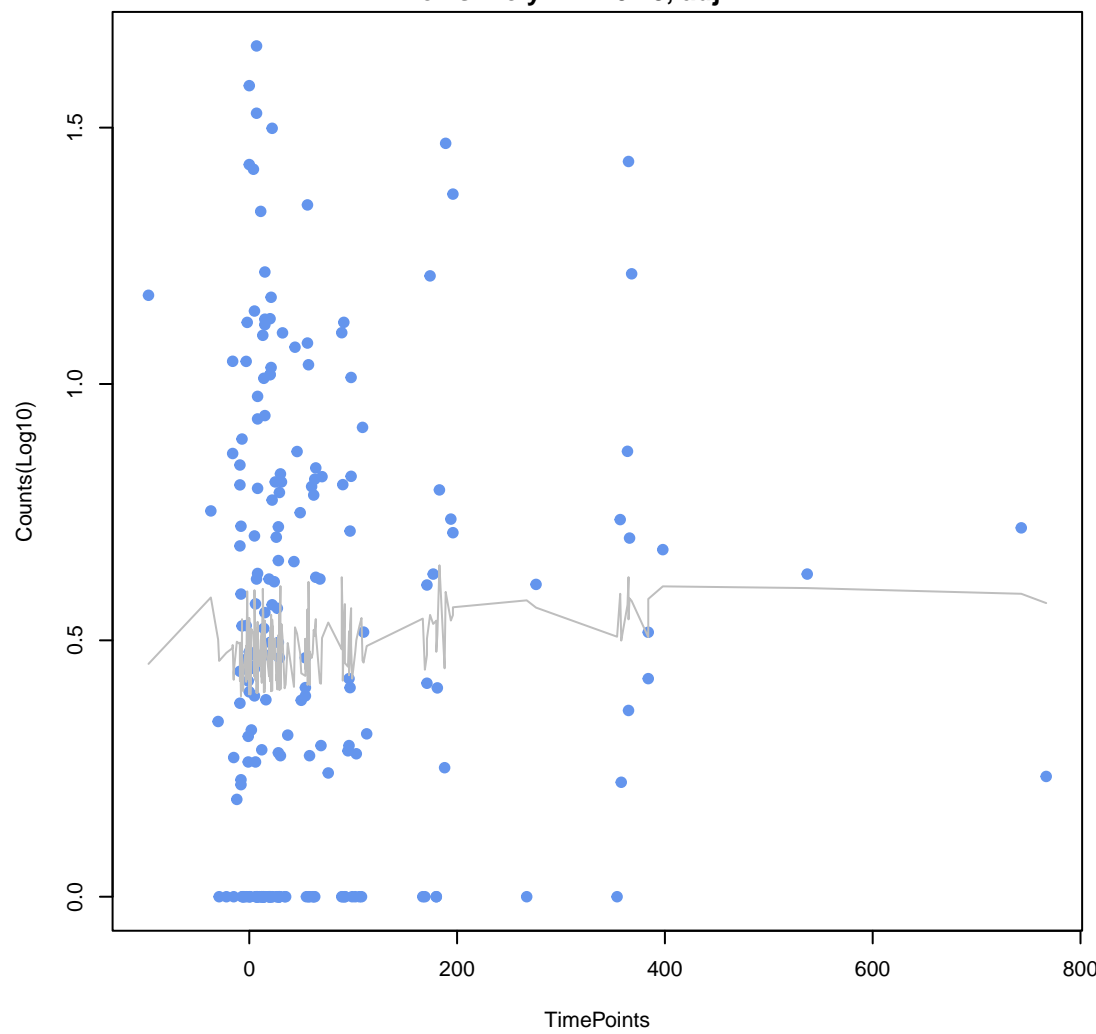Line vs. Poly F-P=0.47, adj. F-P=1

**fluoroquinolone antibiotic**
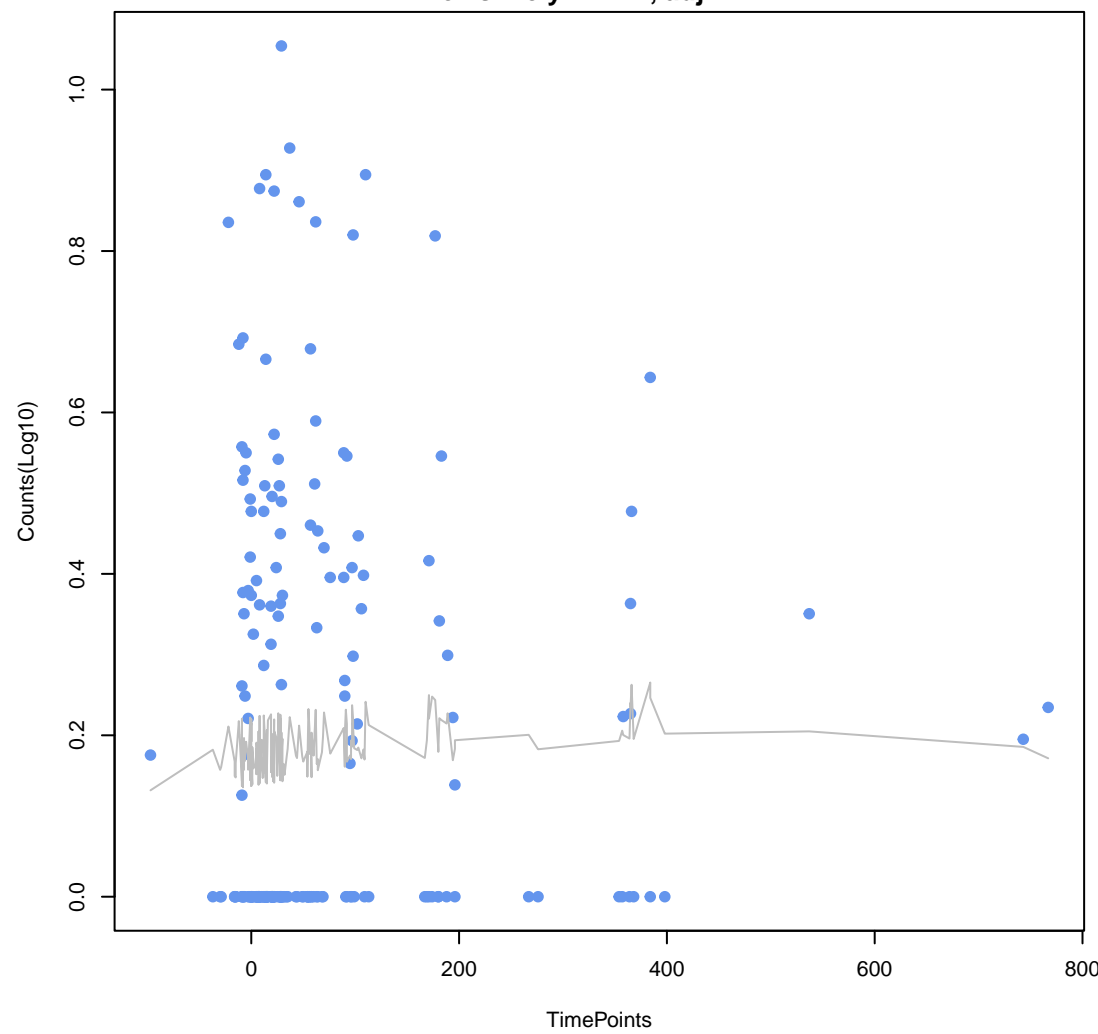ANOVA P=0.738, adj. ANOVA-P=0.963
Line vs. Poly F-P=1, adj. F-P=1

**diaminopyrimidine antibiotic;fluoroquinolone antibiotic;phenicol antibiotic**
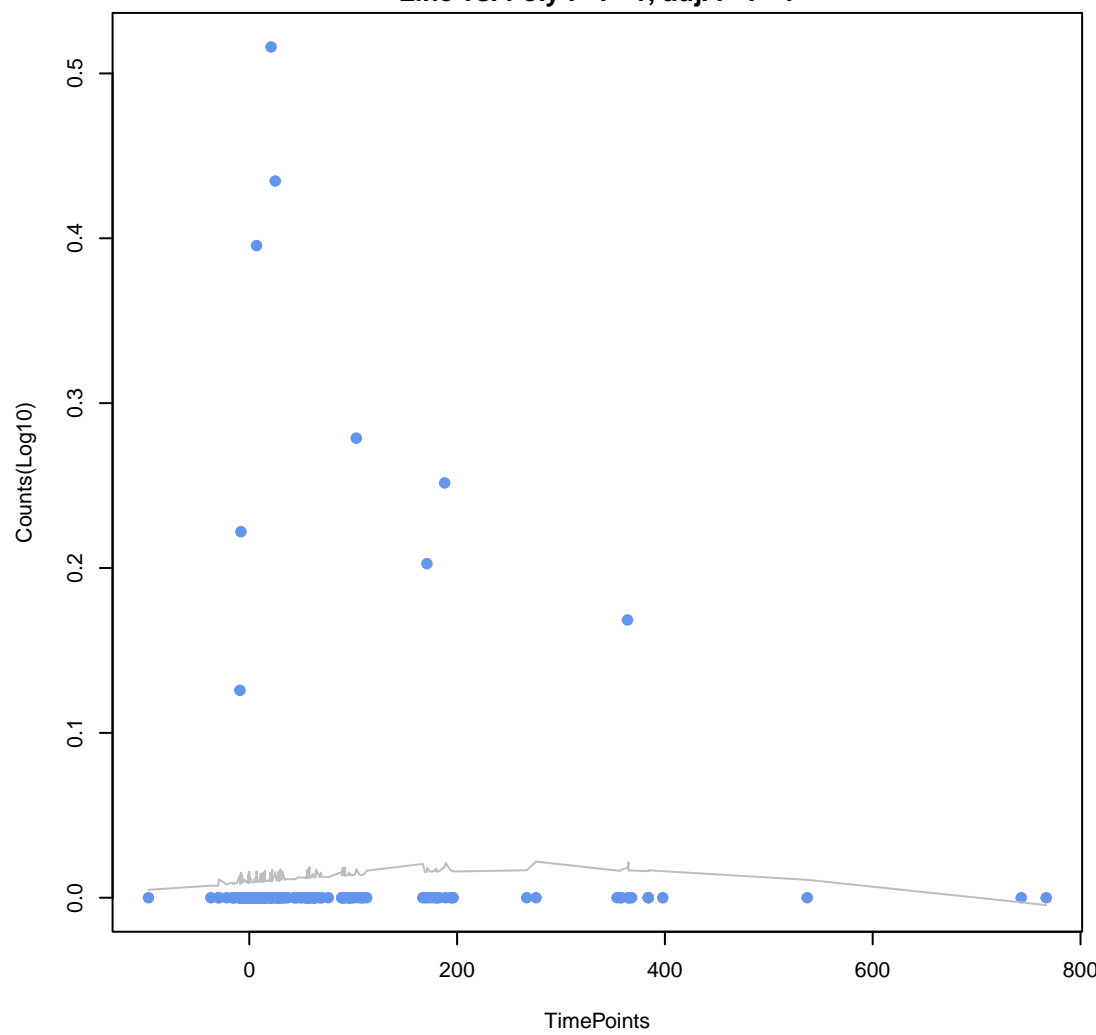ANOVA P=0.742, adj. ANOVA-P=0.963
Line vs. Poly F-P=0.542, adj. F-P=1

**disinfecting agents and antiseptics;nucleoside antibiotic**
**ANOVA P=0.747, adj. ANOVA−P=0.963**
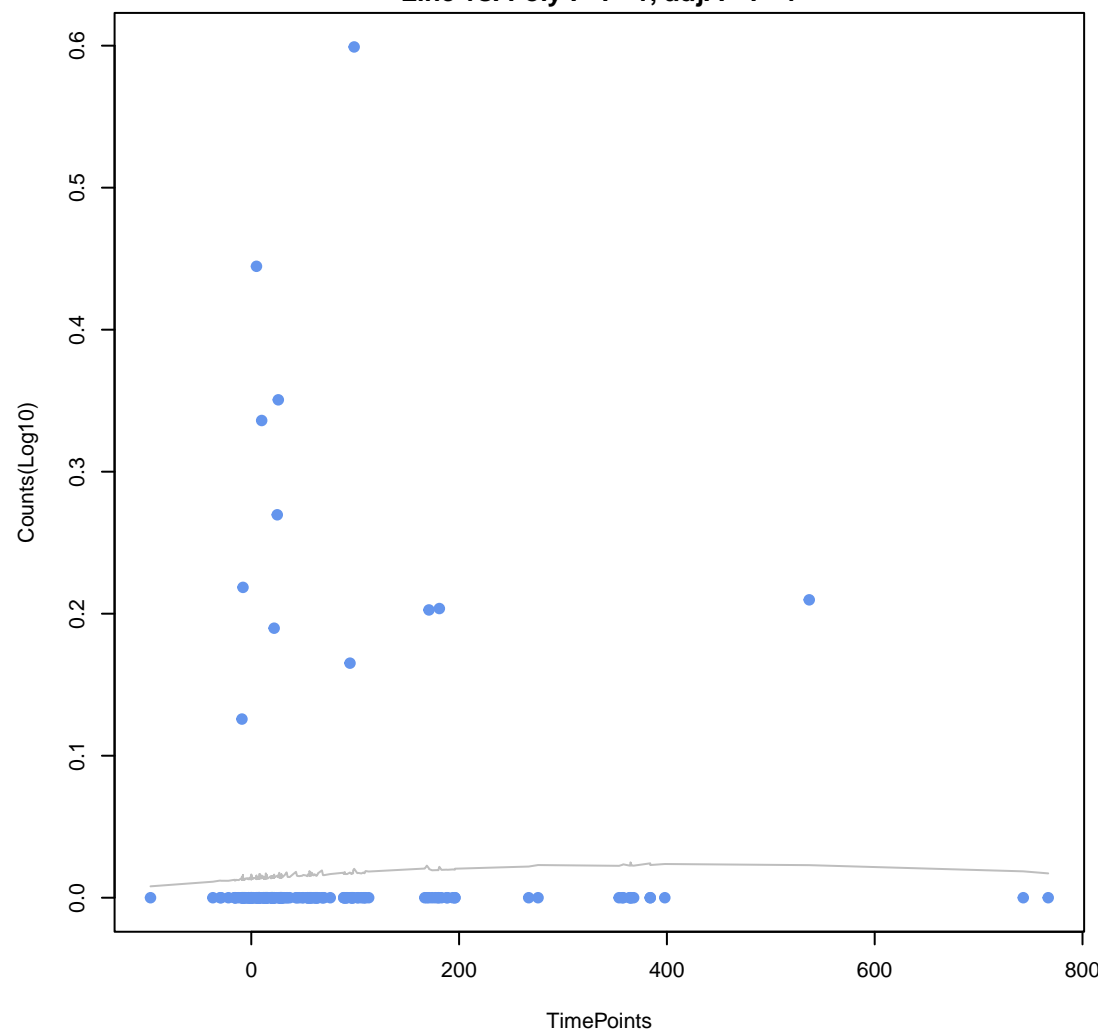**Line vs. Poly F−P=0.73, adj. F−P=1**

**nopyrimidine antibiotic;fluoroquinolone antibiotic;glycylcycline;nitrofuran antibiotic;tetracy**
**ANOVA P=0.792, adj. ANOVA−P=0.963**
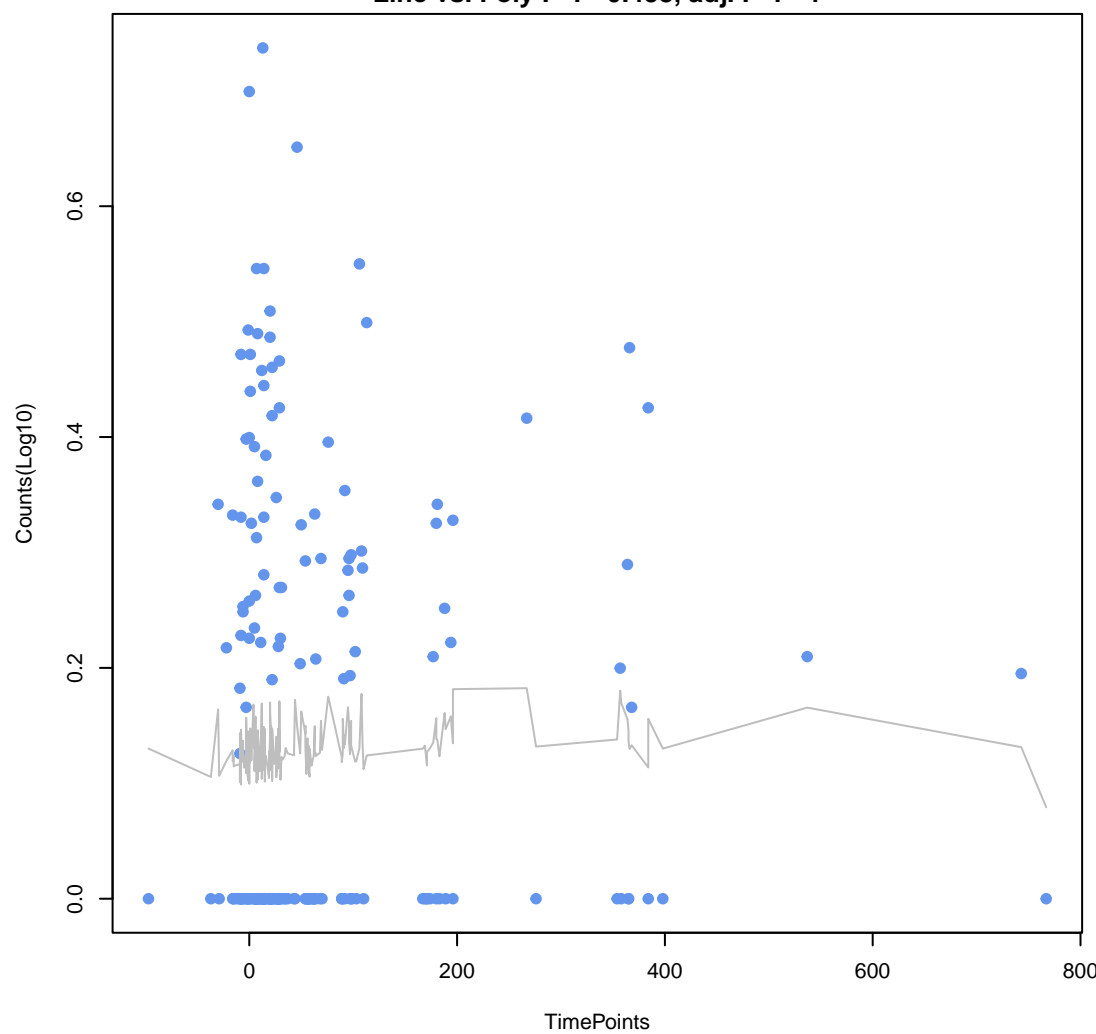**Line vs. Poly F−P=1, adj. F−P=1**

**macrolide antibiotic;streptogramin antibiotic**
**ANOVA P=0.81, adj. ANOVA−P=0.963**
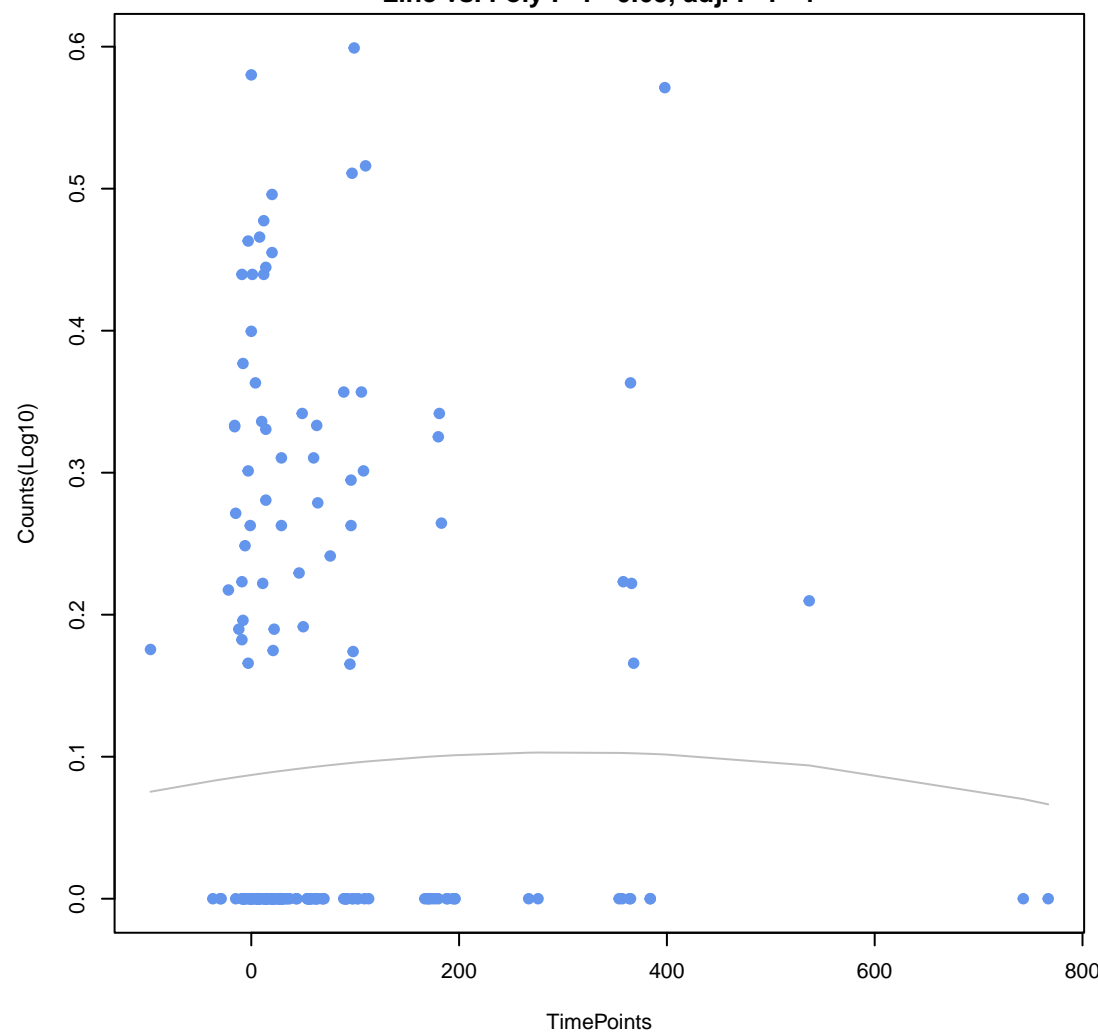**Line vs. Poly F−P=1, adj. F−P=1**

**carbapenem;cephalosporin;cephamycin;penam**
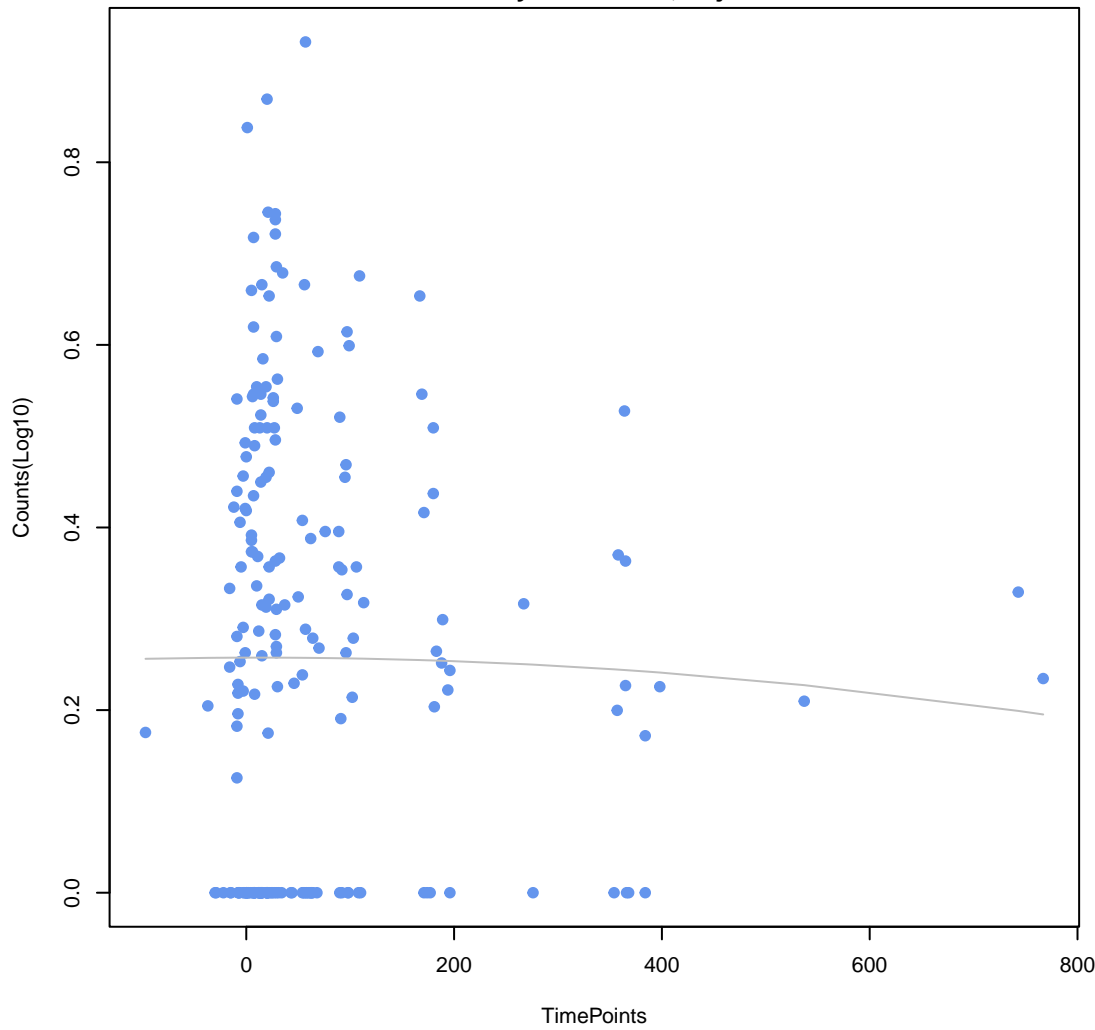**ANOVA P=0.852, adj. ANOVA−P=0.963**
**Line vs. Poly F−P=1, adj. F−P=1**

**aminocoumarin antibiotic;macrolide antibiotic;monobactam;tetracycline antibiotic**
**ANOVA P=0.88, adj. ANOVA−P=0.963**
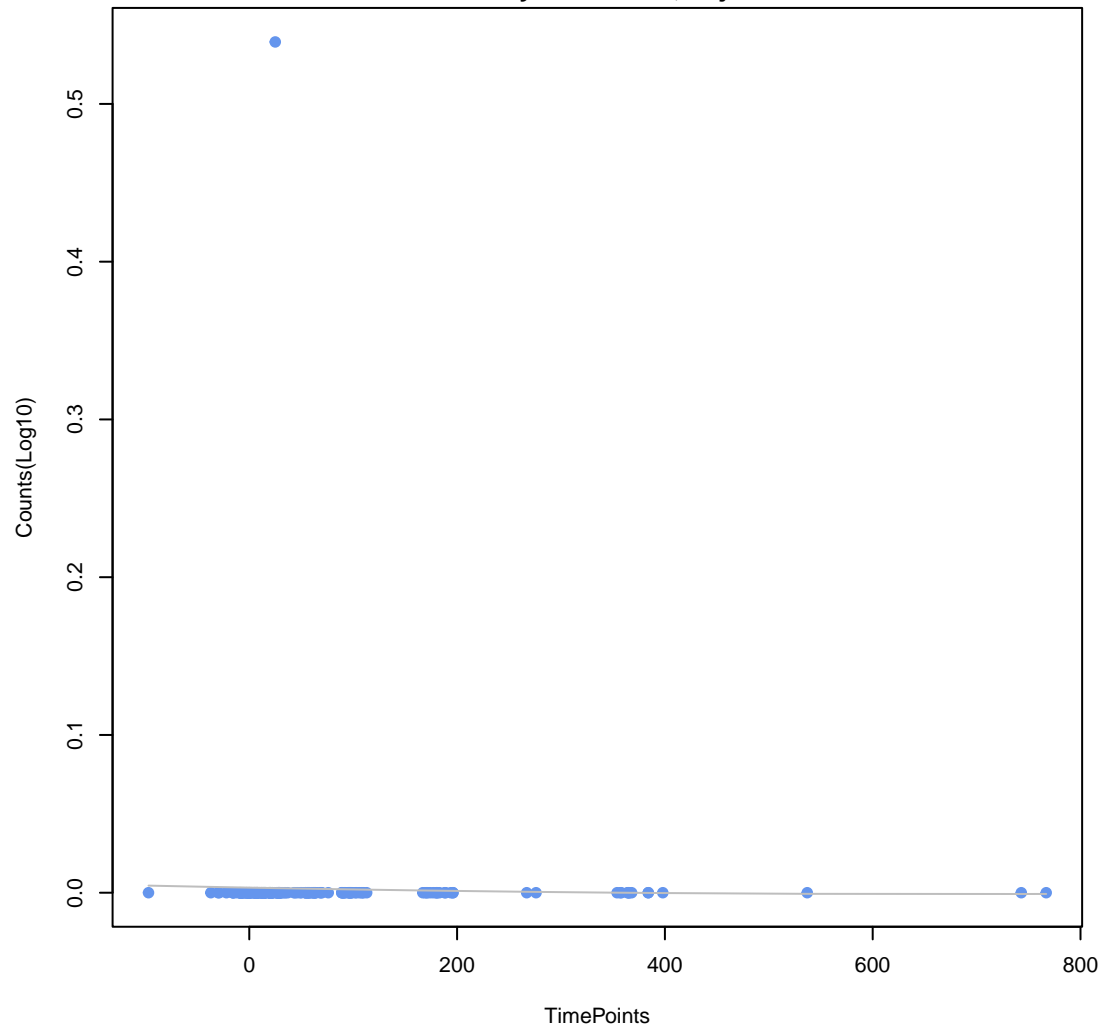**Line vs. Poly F−P=0.458, adj. F−P=1**

**pleuromutilin antibiotic**
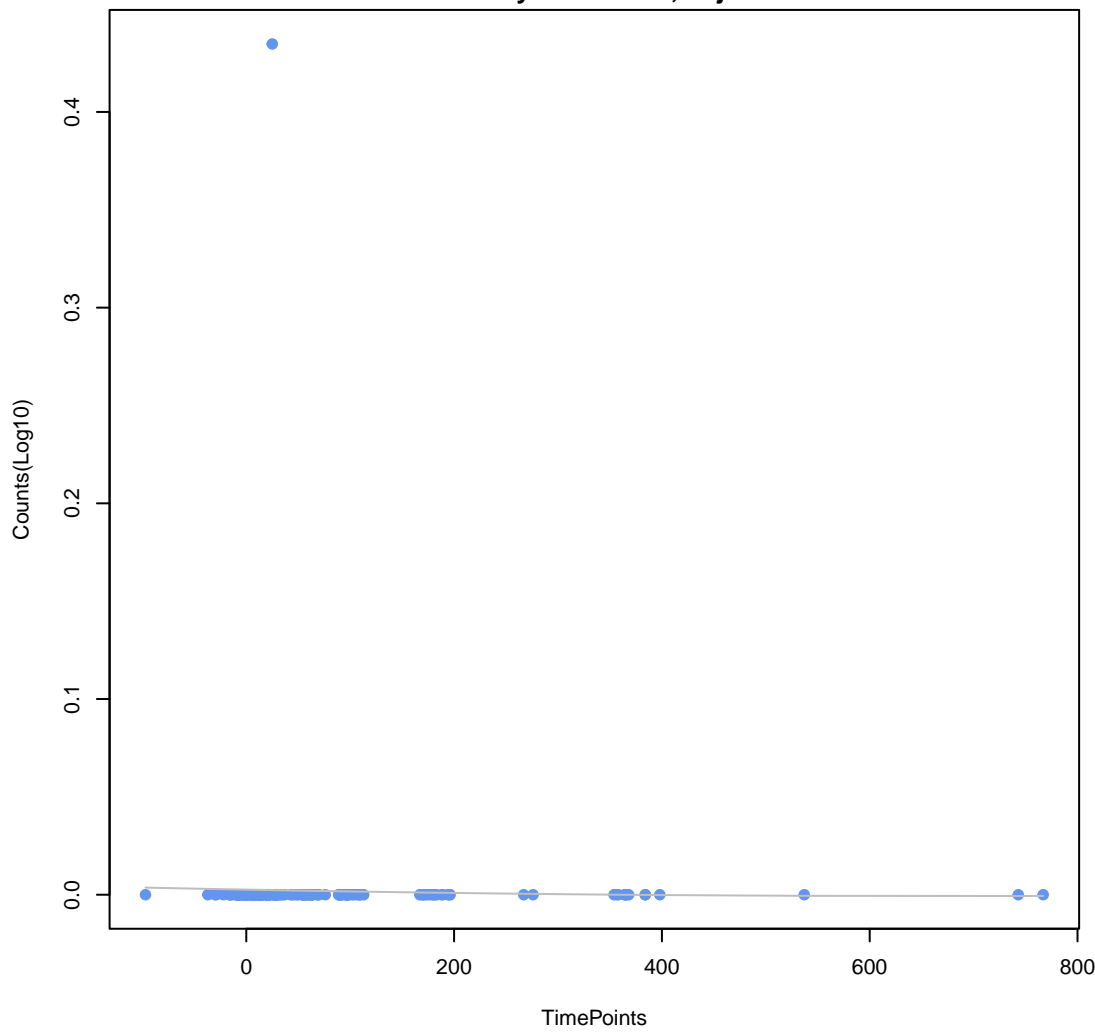**ANOVA P=0.881, adj. ANOVA−P=0.963**
**Line vs. Poly F−P=0.65, adj. F−P=1**

**phenicol antibiotic**
**ANOVA P=0.919, adj. ANOVA−P=0.963**
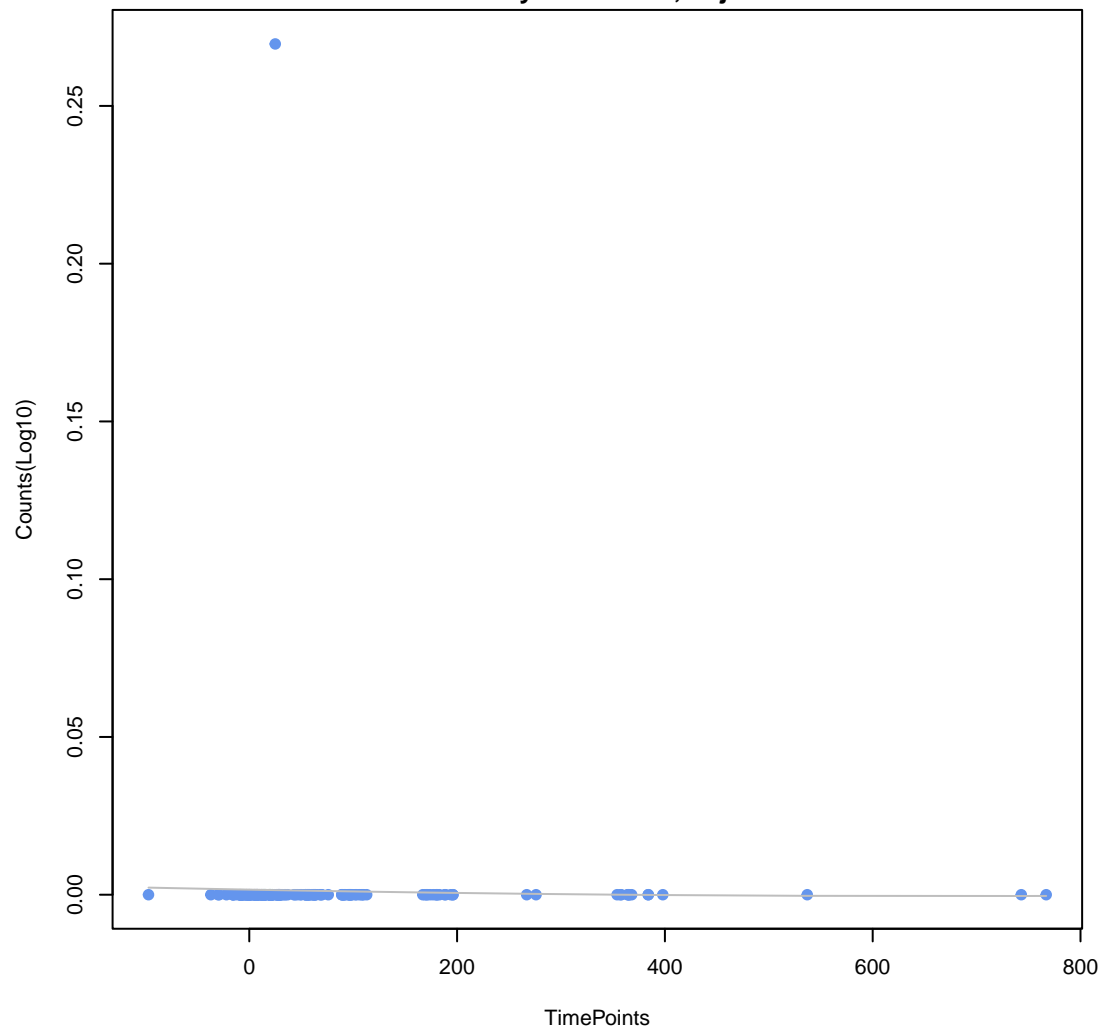**Line vs. Poly F−P=0.851, adj. F−P=1**

**sulfonamide antibiotic;sulfone antibiotic**
**ANOVA P=0.933, adj. ANOVA−P=0.963**
**Line vs. Poly F−P=0.918, adj. F−P=1**

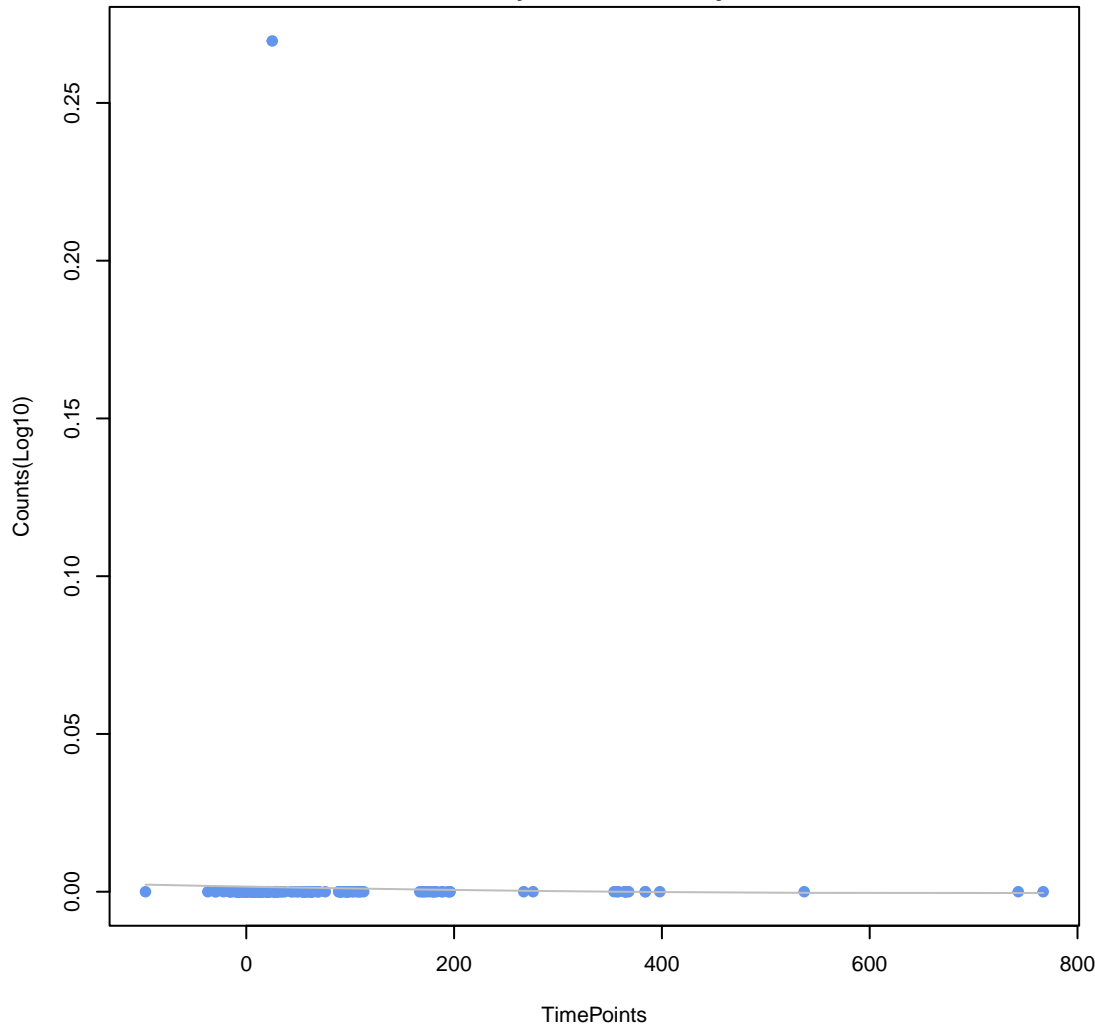**aminocoumarin antibiotic;carbapenem;peptide antibiotic;rifamycin antibiotic**
**ANOVA P=0.933, adj. ANOVA−P=0.963**
**Line vs. Poly F−P=0.918, adj. F−P=1**
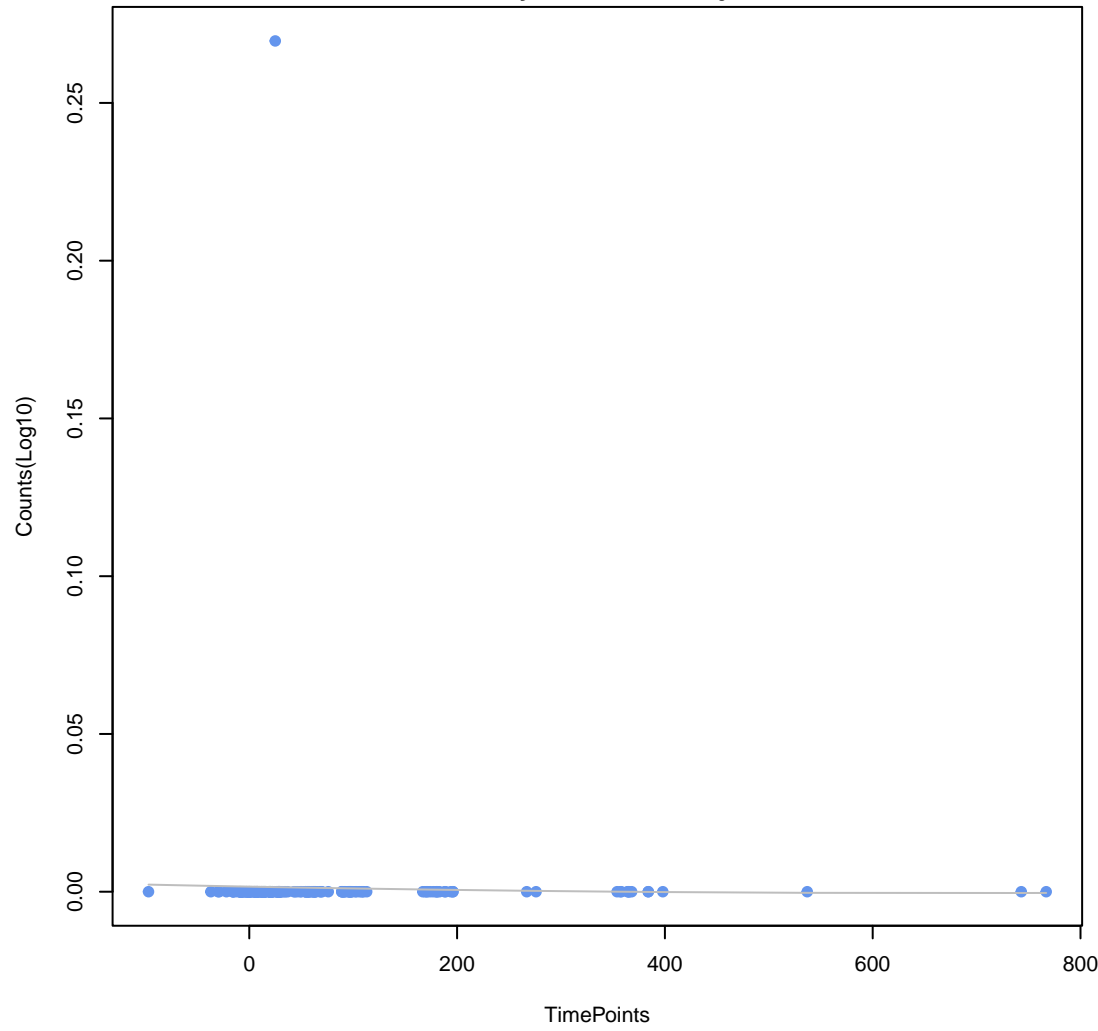
**antibiotic;fluoroquinolone antibiotic;lincosamide antibiotic;macrolide antibiotic;penem;phe**
**ANOVA P=0.933, adj. ANOVA−P=0.963**
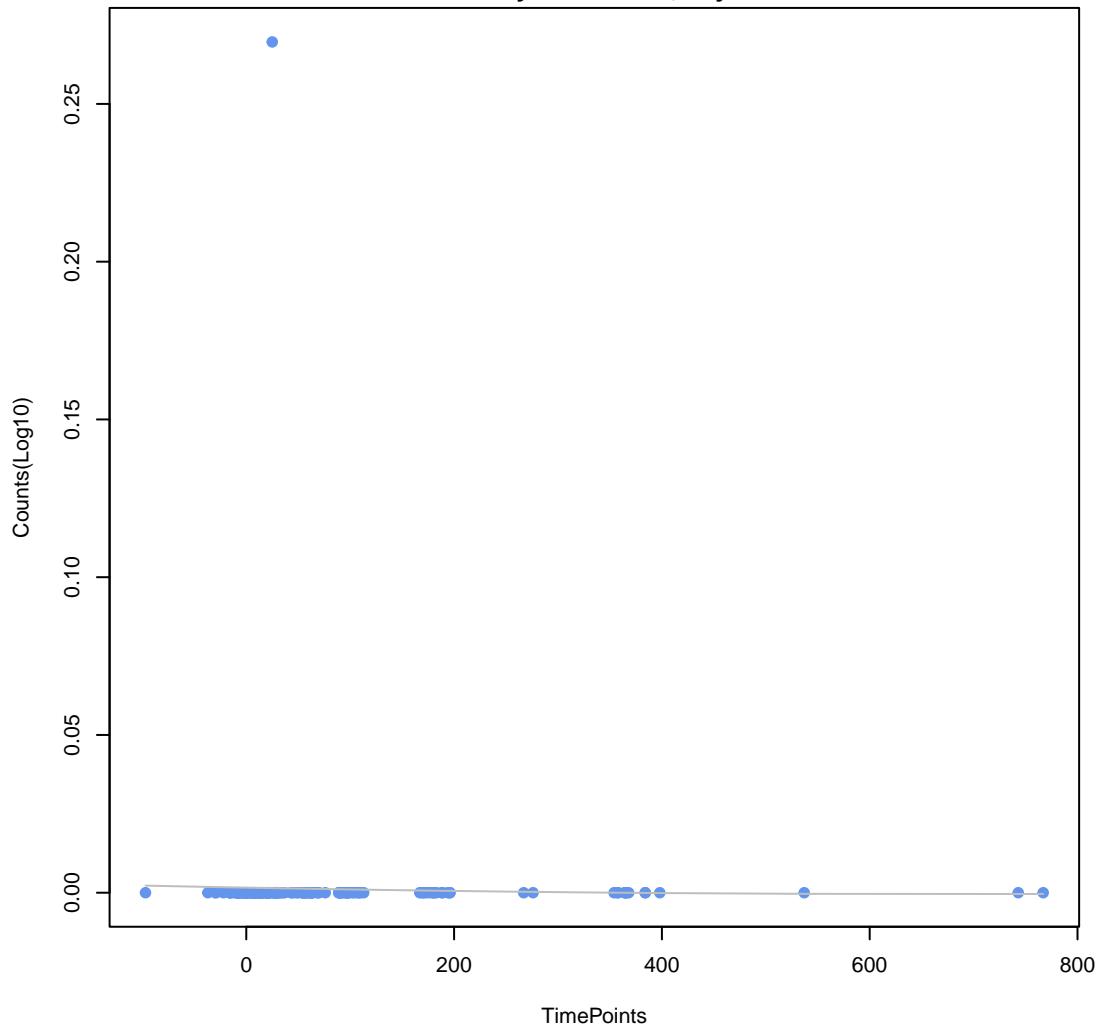**Line vs. Poly F−P=0.918, adj. F−P=1**

**penam**
**ANOVA P=0.933, adj. ANOVA−P=0.963**
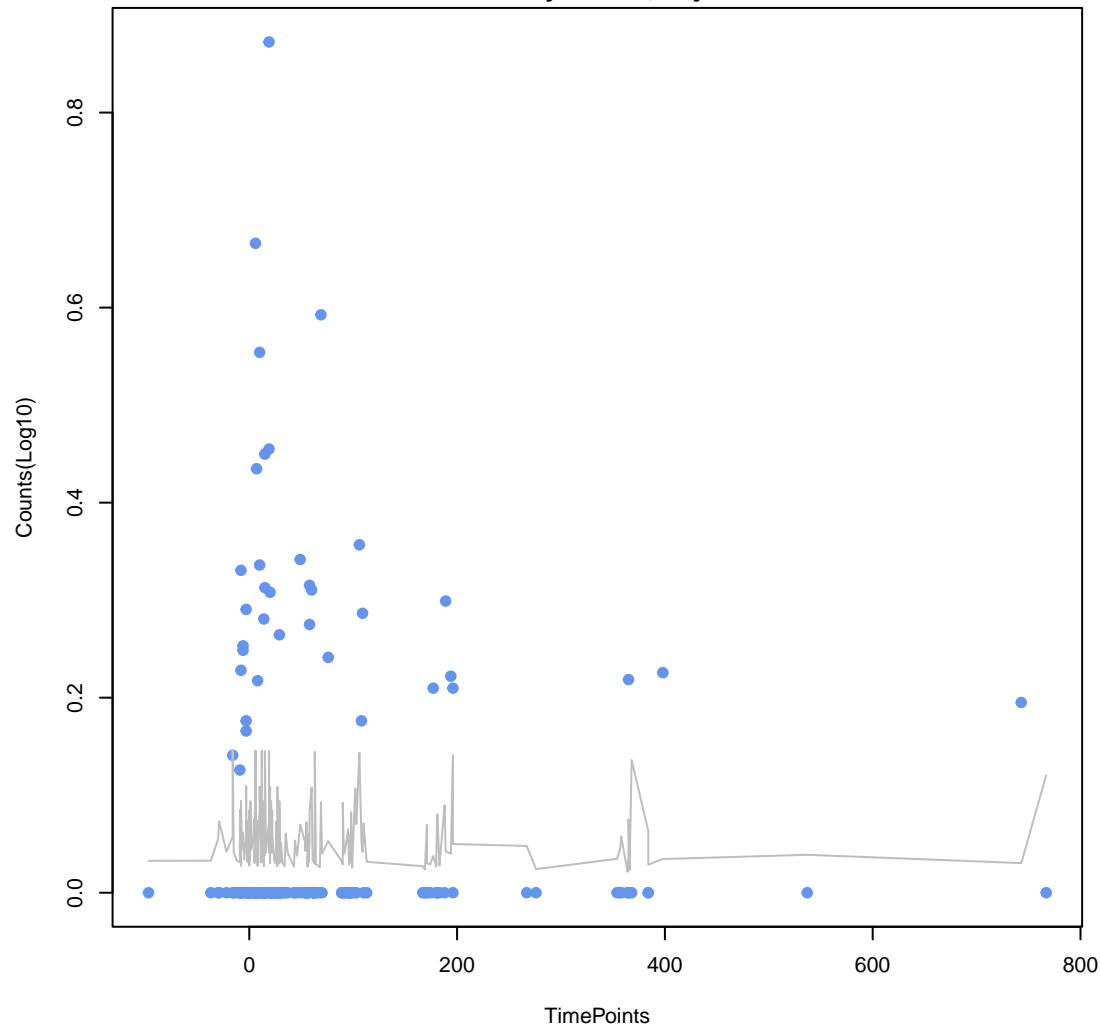**Line vs. Poly F−P=0.918, adj. F−P=1**

**fluoroquinolone antibiotic;macrolide antibiotic**
**ANOVA P=0.933, adj. ANOVA−P=0.963**
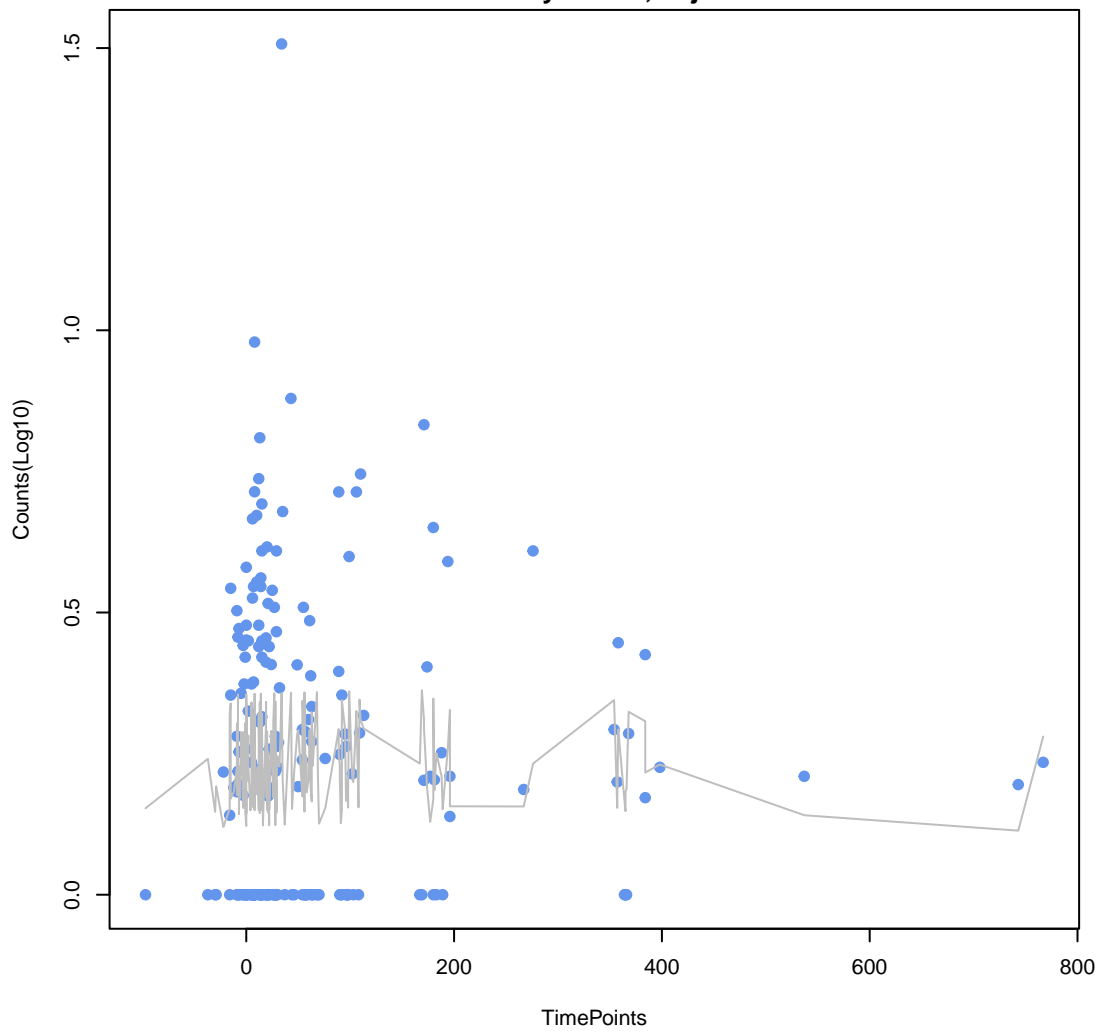**Line vs. Poly F−P=0.918, adj. F−P=1**

**cephalosporin;monobactam;penam;penem**
**ANOVA P=0.933, adj. ANOVA−P=0.963**
**Line vs. Poly F−P=0.918, adj. F−P=1**

**fluoroquinolone antibiotic;macrolide antibiotic;phenicol antibiotic;tetracycline antibi**
**ANOVA P=0.935, adj. ANOVA−P=0.963**
**Line vs. Poly F−P=1, adj. F−P=1**

**cephamycin**
**ANOVA P=0.963, adj. ANOVA−P=0.963**
**Line vs. Poly F−P=1, adj. F−P=1**

**carbapenem;cephalosporin;penam**
**ANOVA P=0.963, adj. ANOVA−P=0.963**
**Line vs. Poly F−P=1, adj. F−P=1**