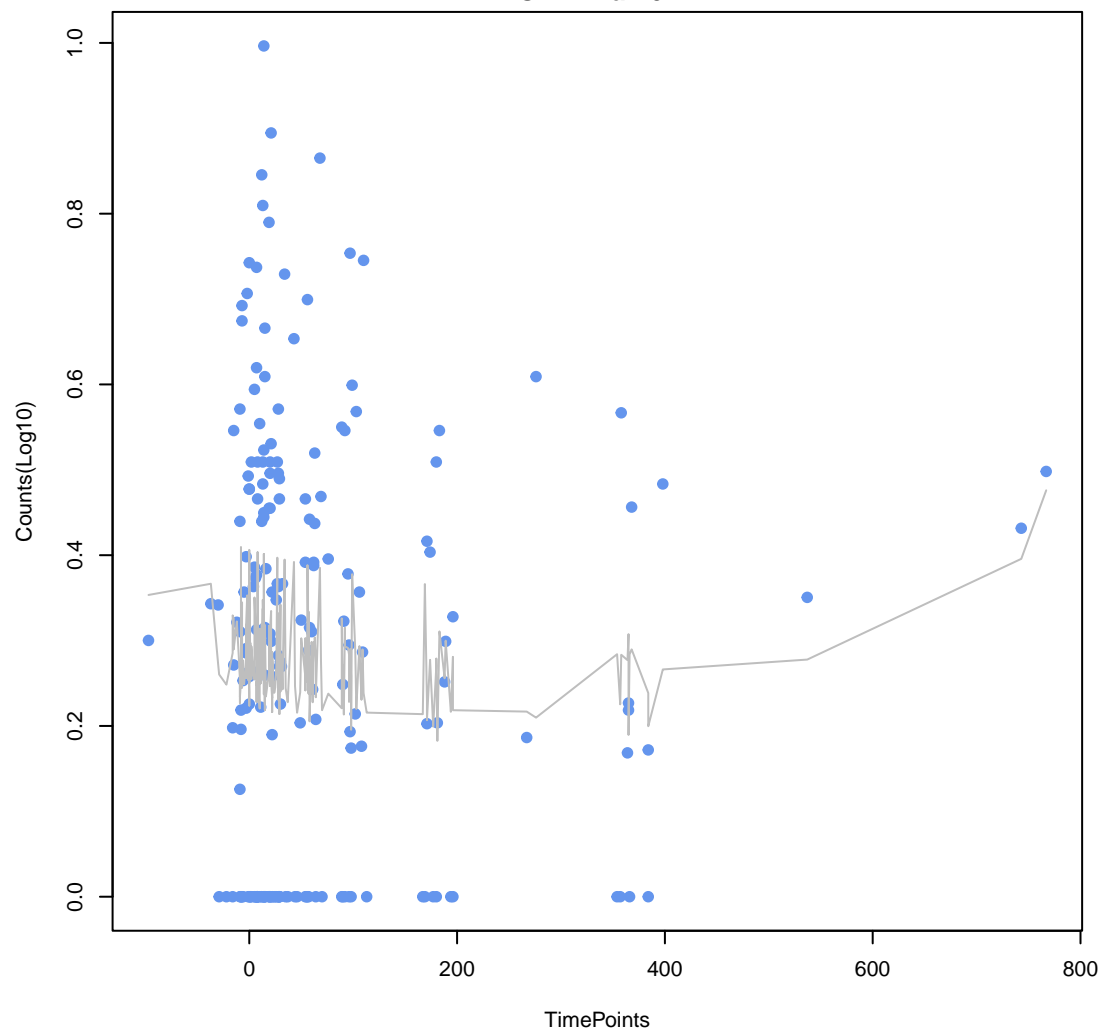
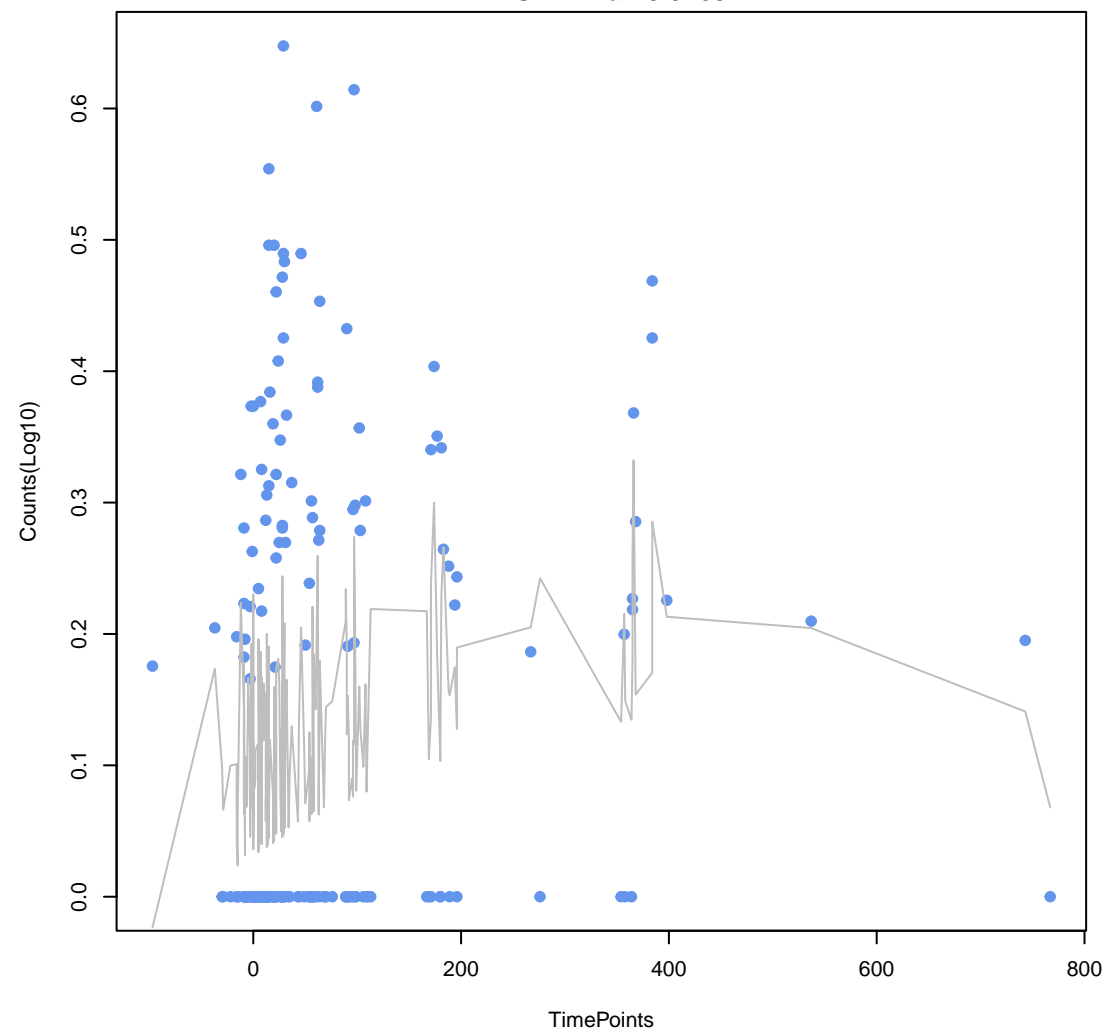


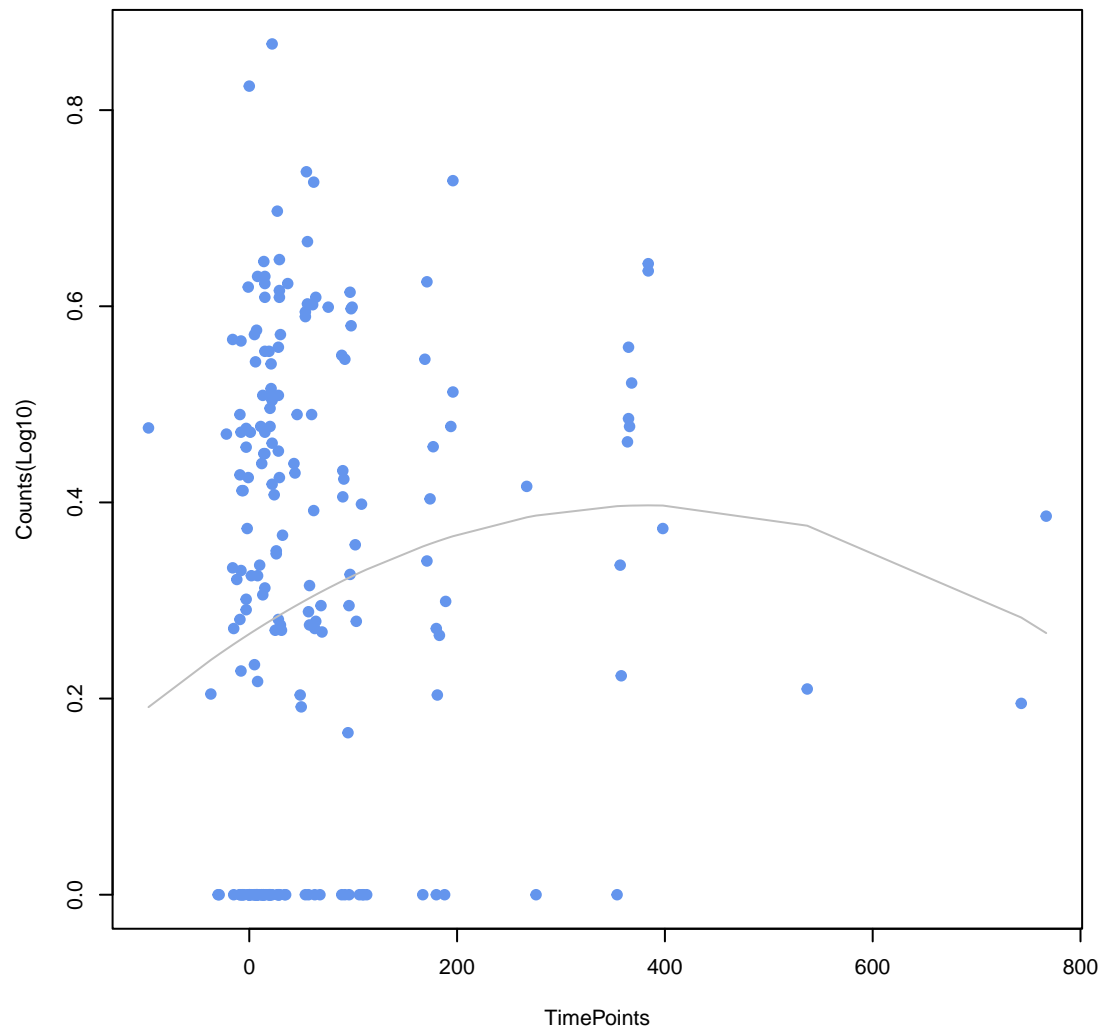
RGI
efrB
ANOVA Pval: 0.444



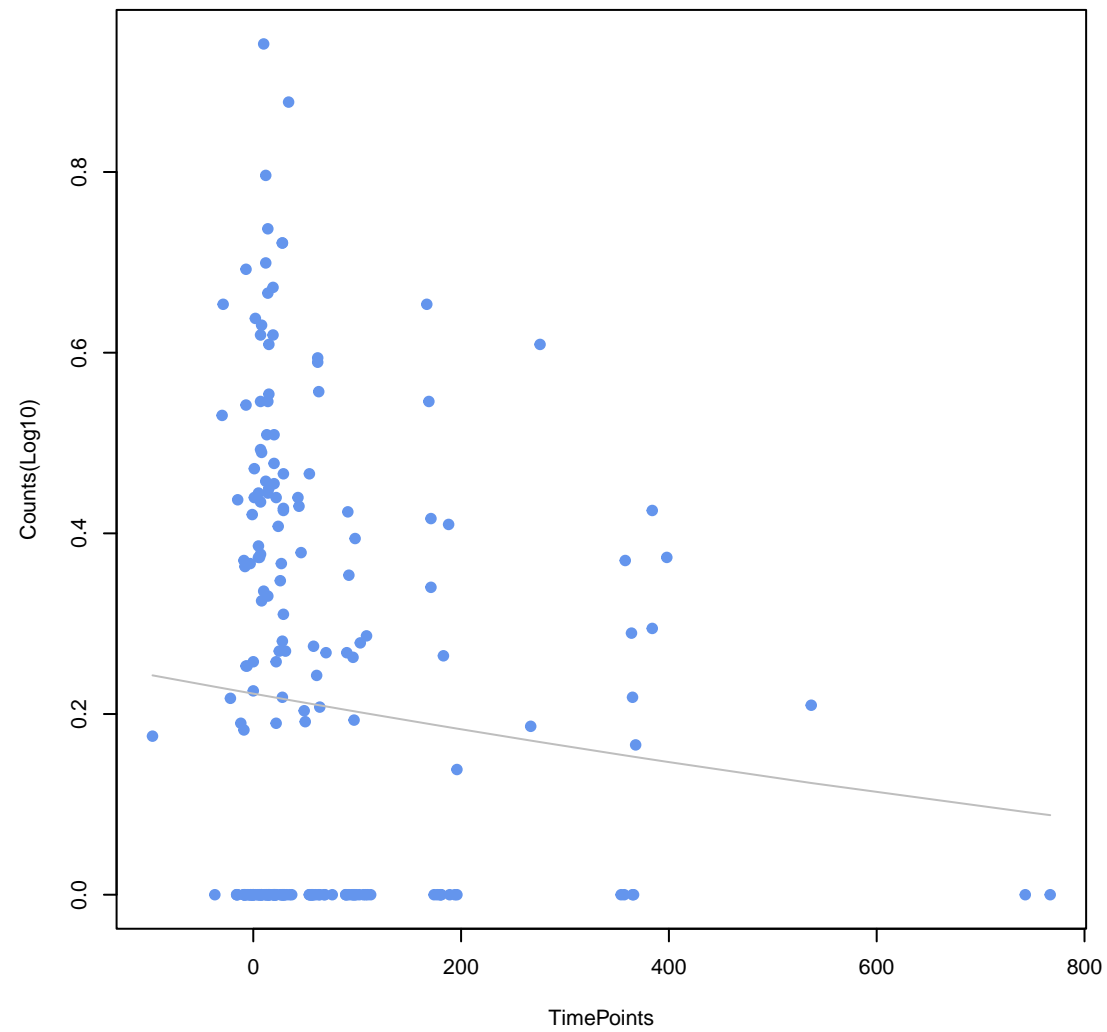
RGI
scherichia coli AcrAB–ToIC with MarR mutations conferring resistance to ciprofloxacin and
ANOVA Pval: 0.0263



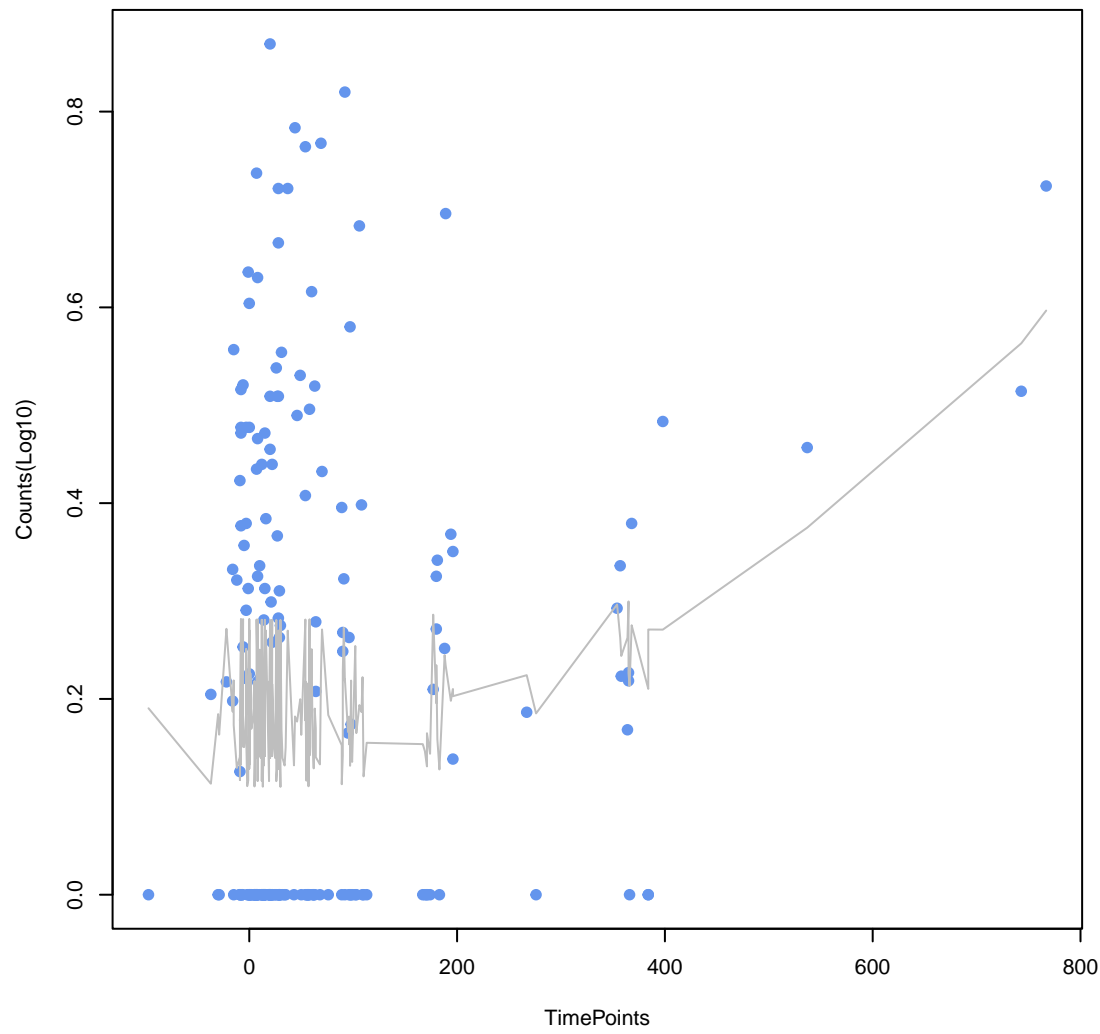
RGI
mdtB
ANOVA Pval: 0.0709



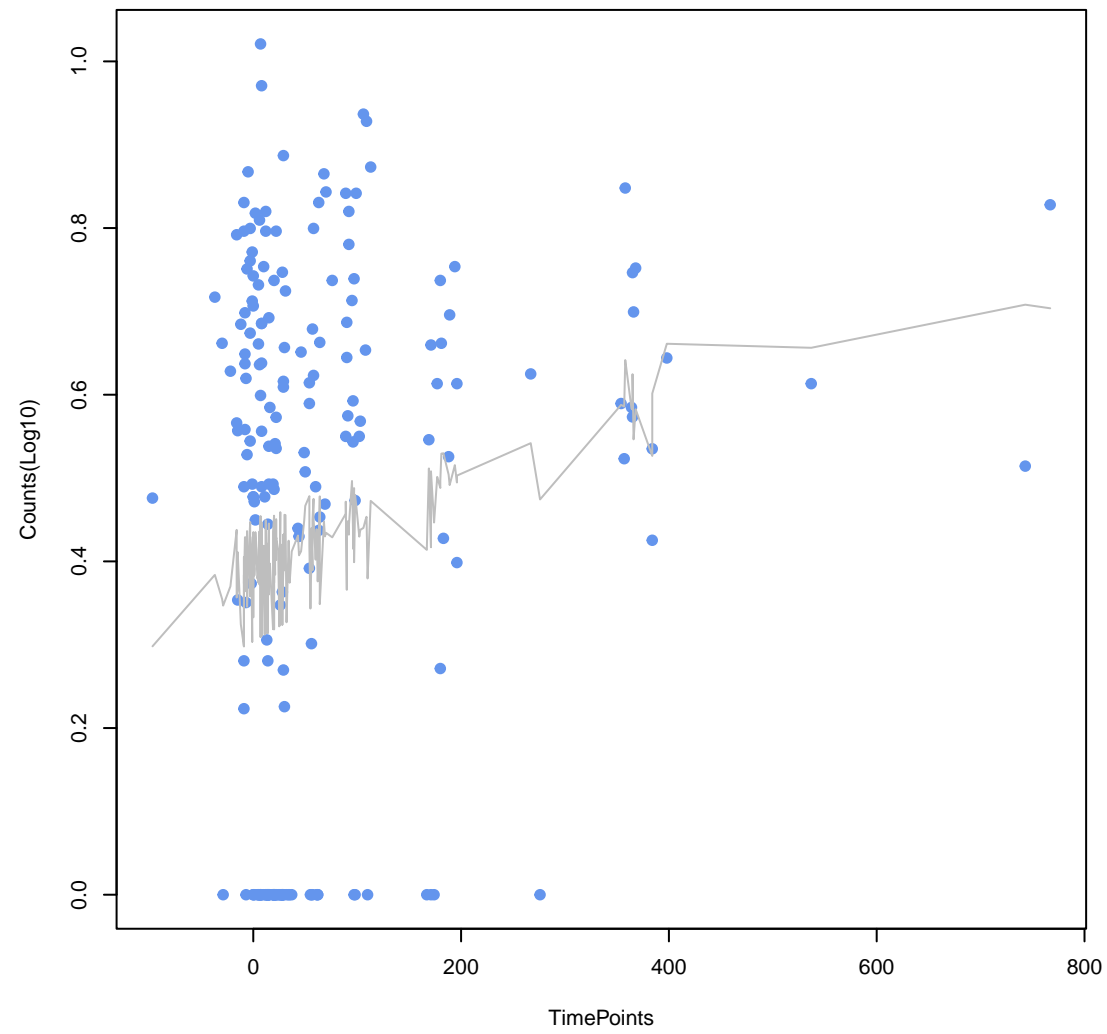
RGI
msrC
ANOVA Pval: 0.415



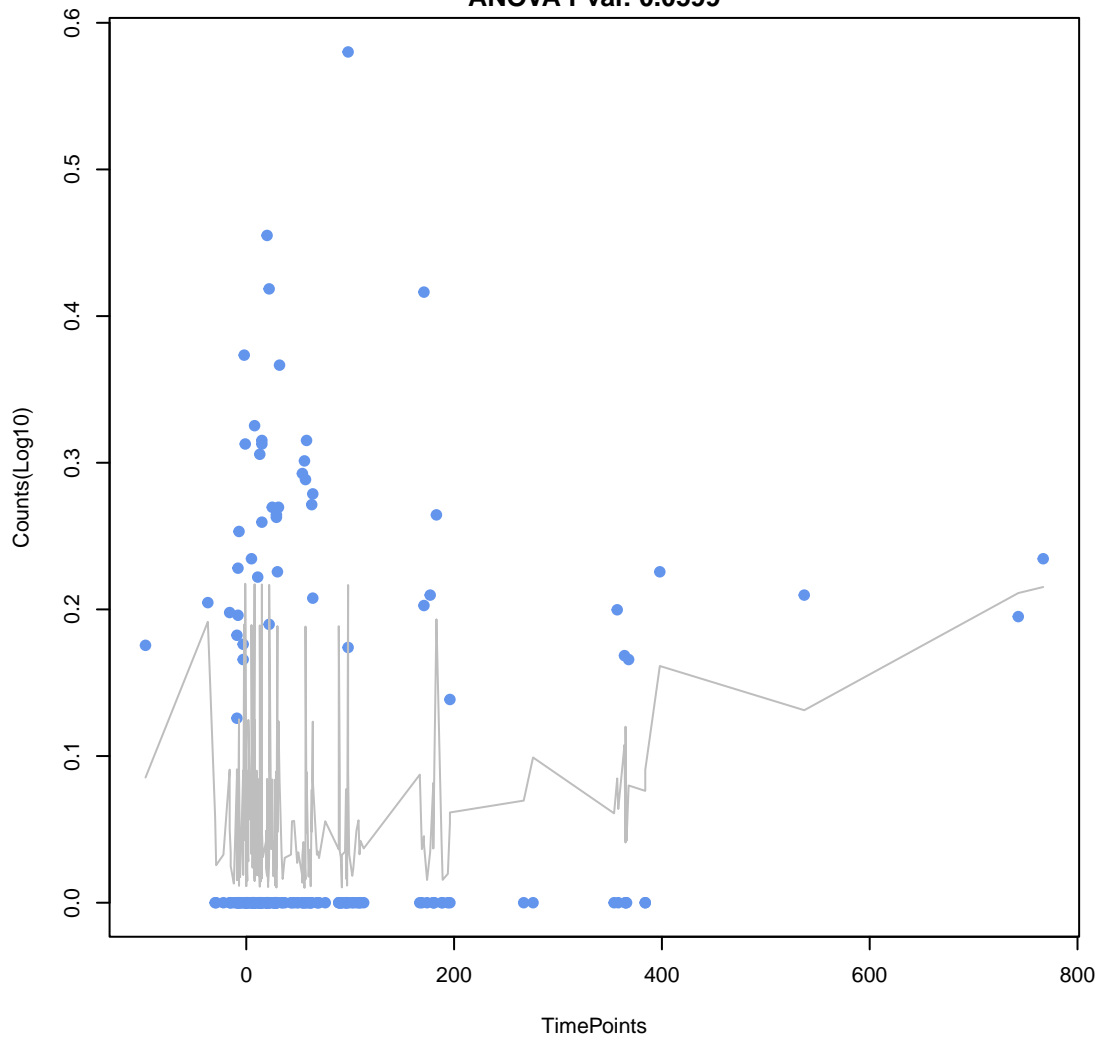
RGI
tet(44)
ANOVA Pval: 0.0231



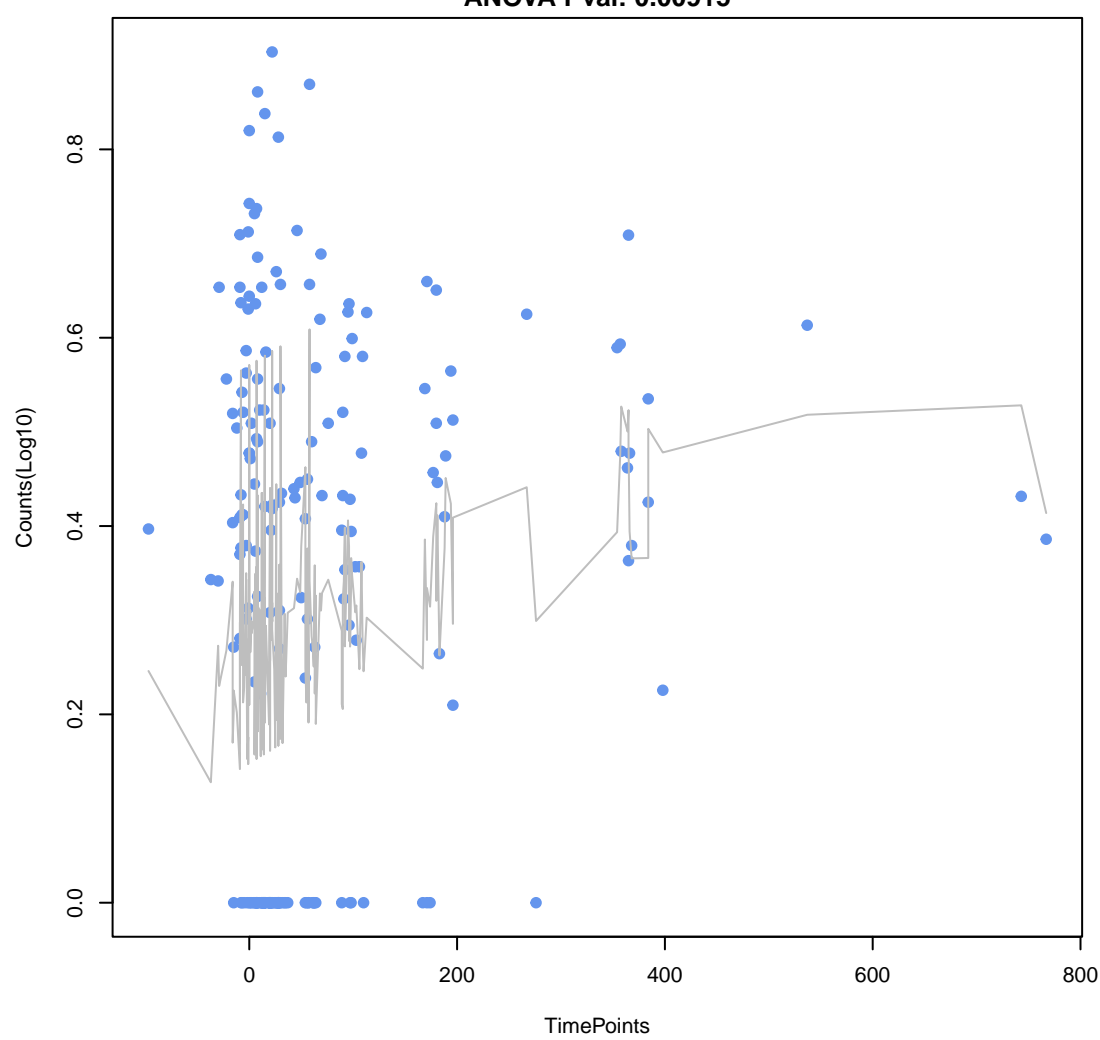
RGI
tet(T)
ANOVA Pval: 0.012



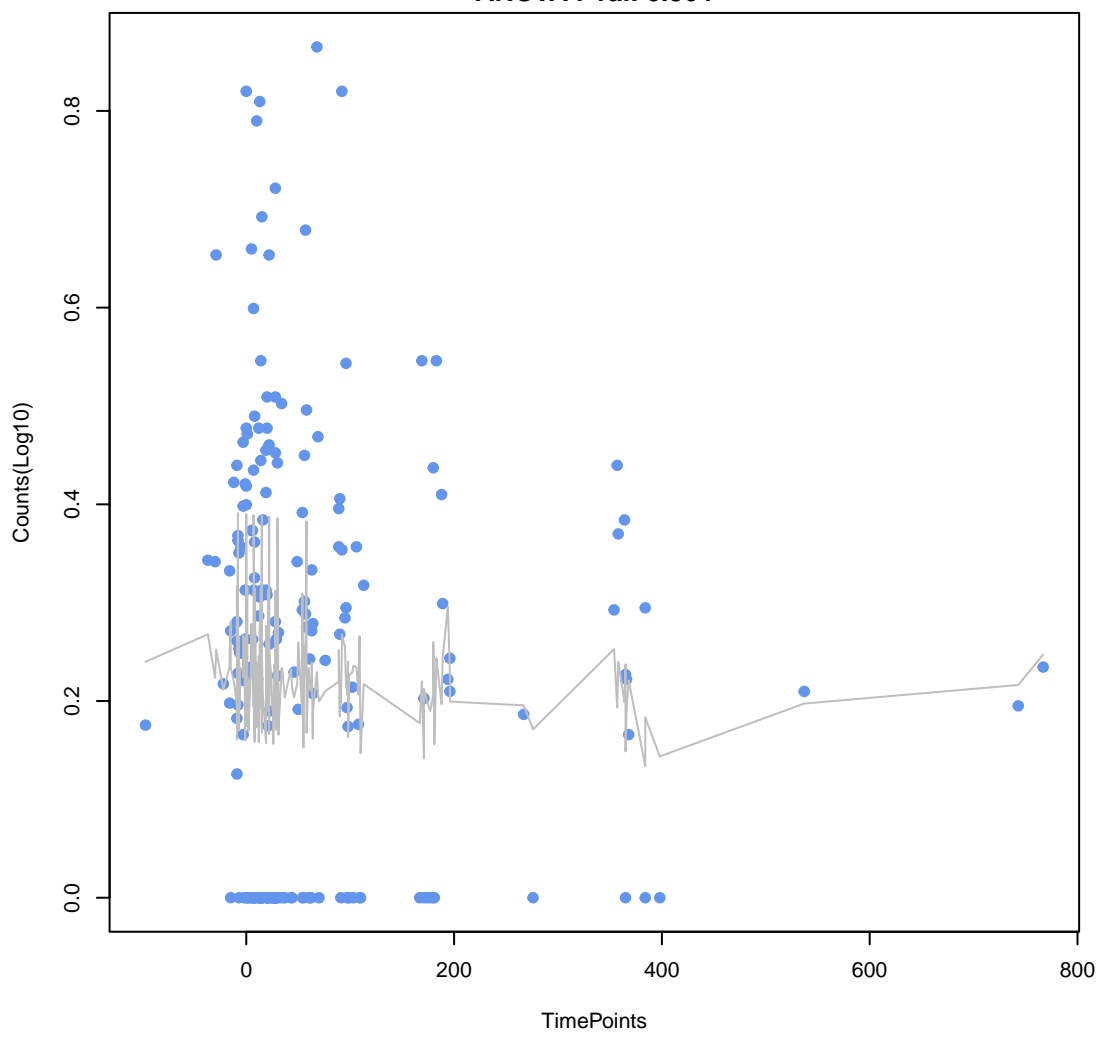
**RGI
gadW**
ANOVA Pval: 0.0599



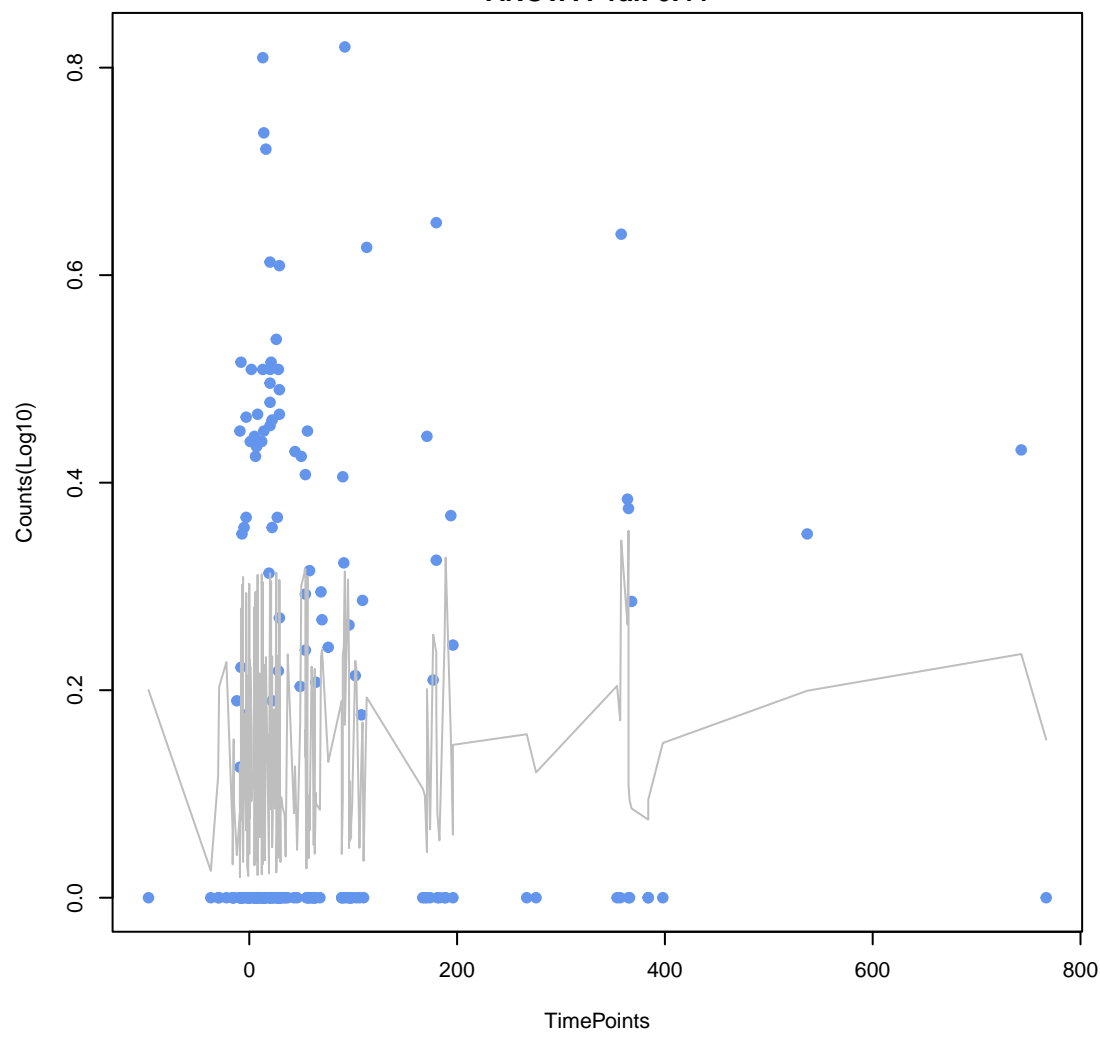
**RGI
tet(36)**
ANOVA Pval: 0.00915



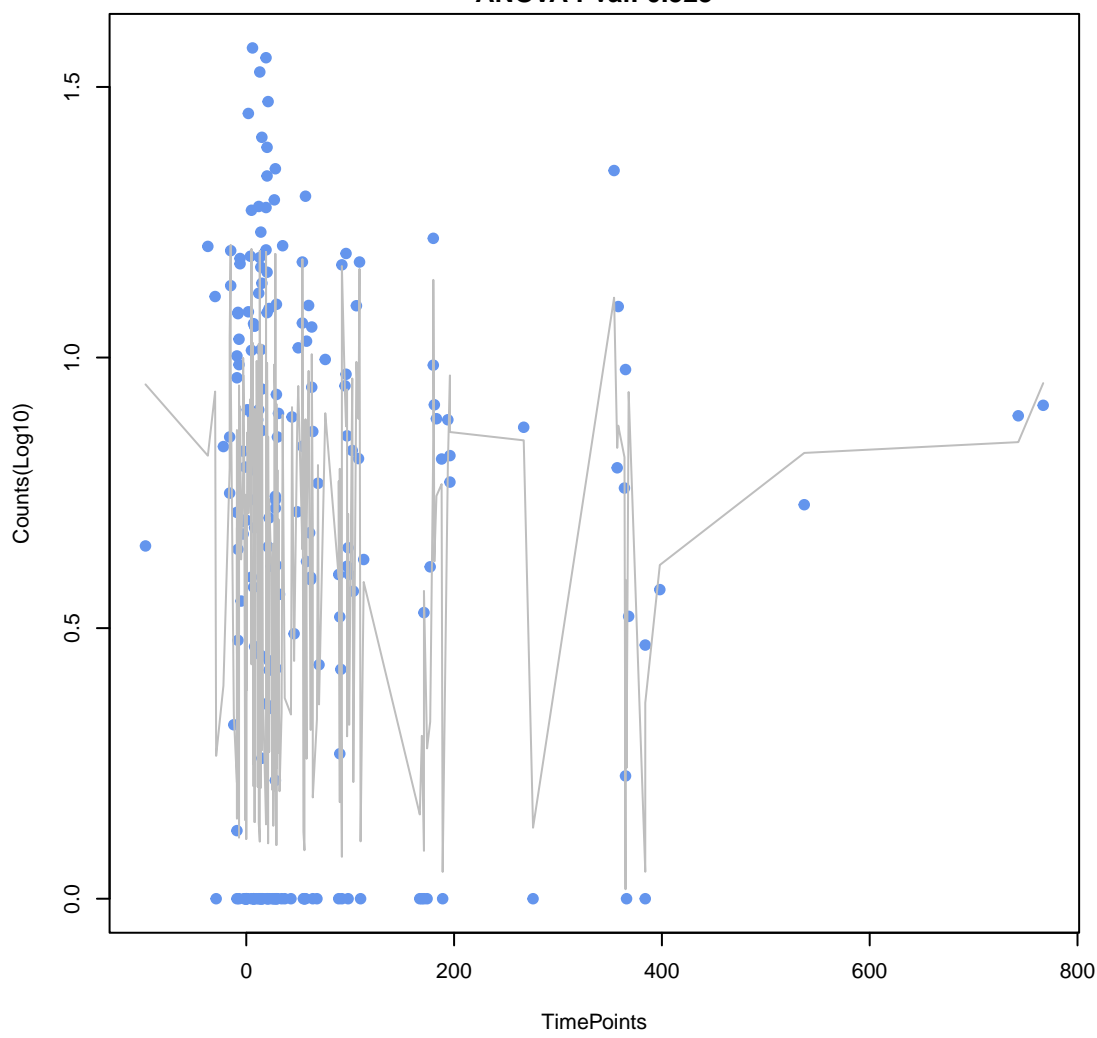
**RGI
InuC**
ANOVA Pval: 0.864



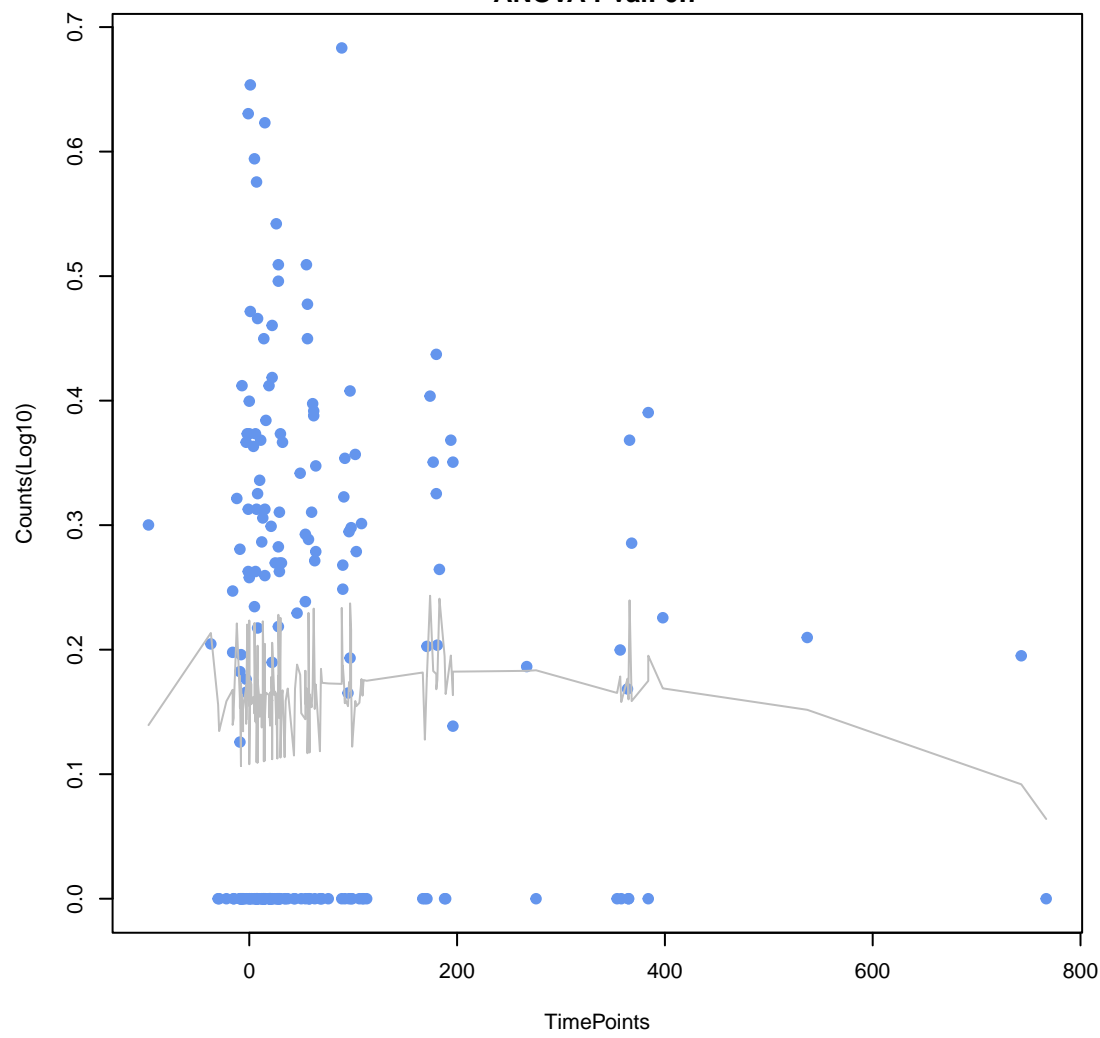
**RGI
mdeA**
ANOVA Pval: 0.44

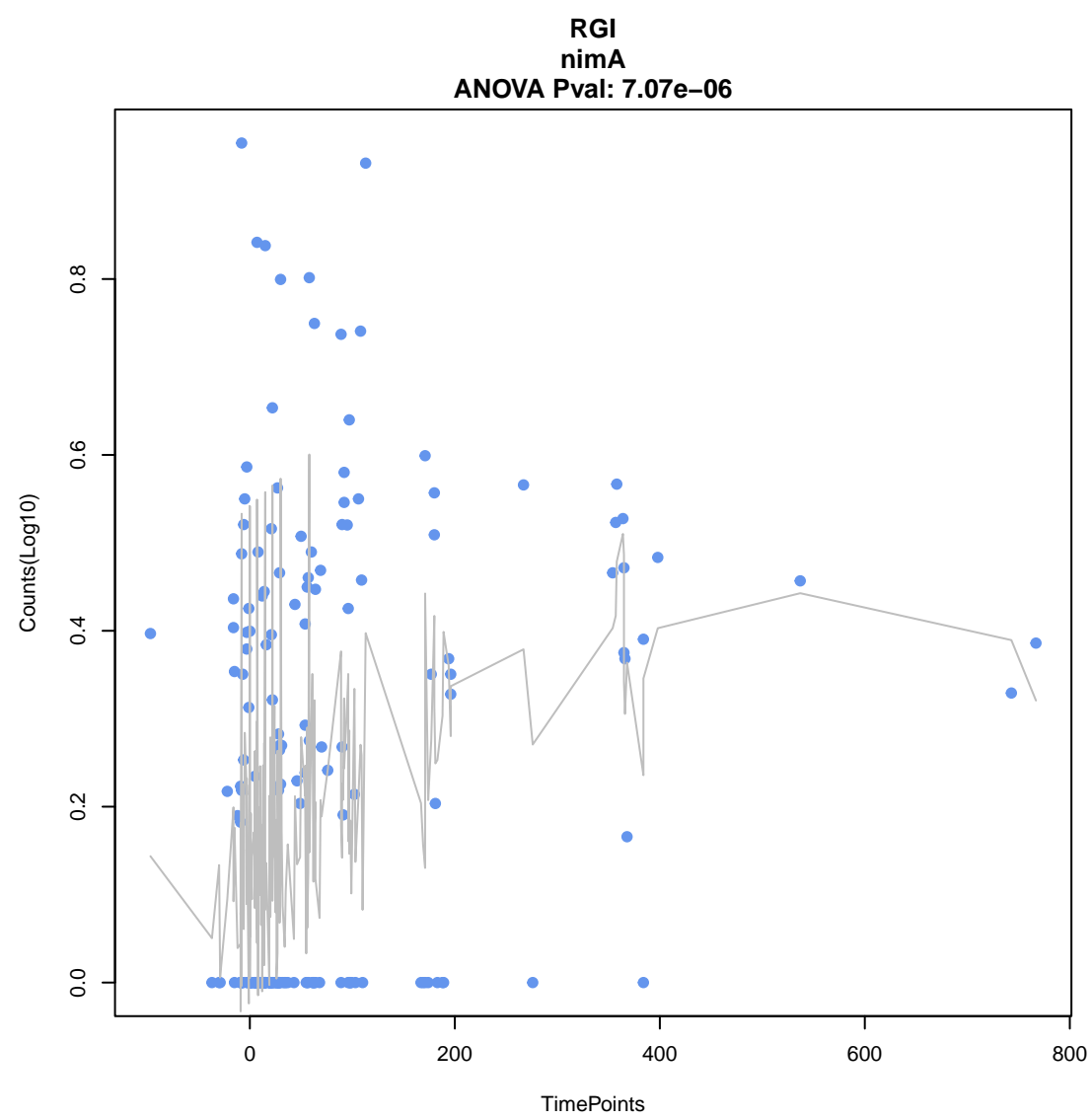
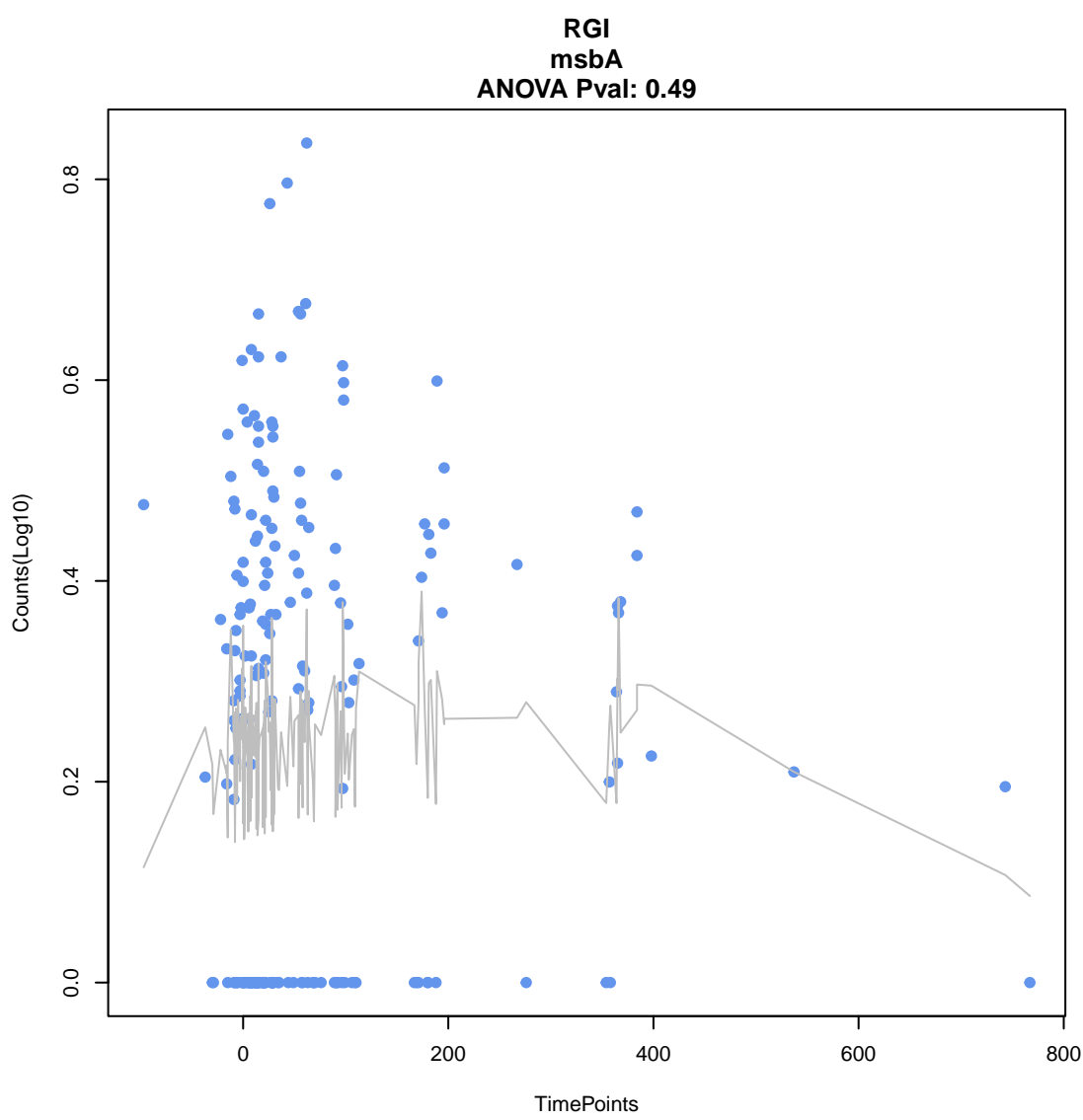
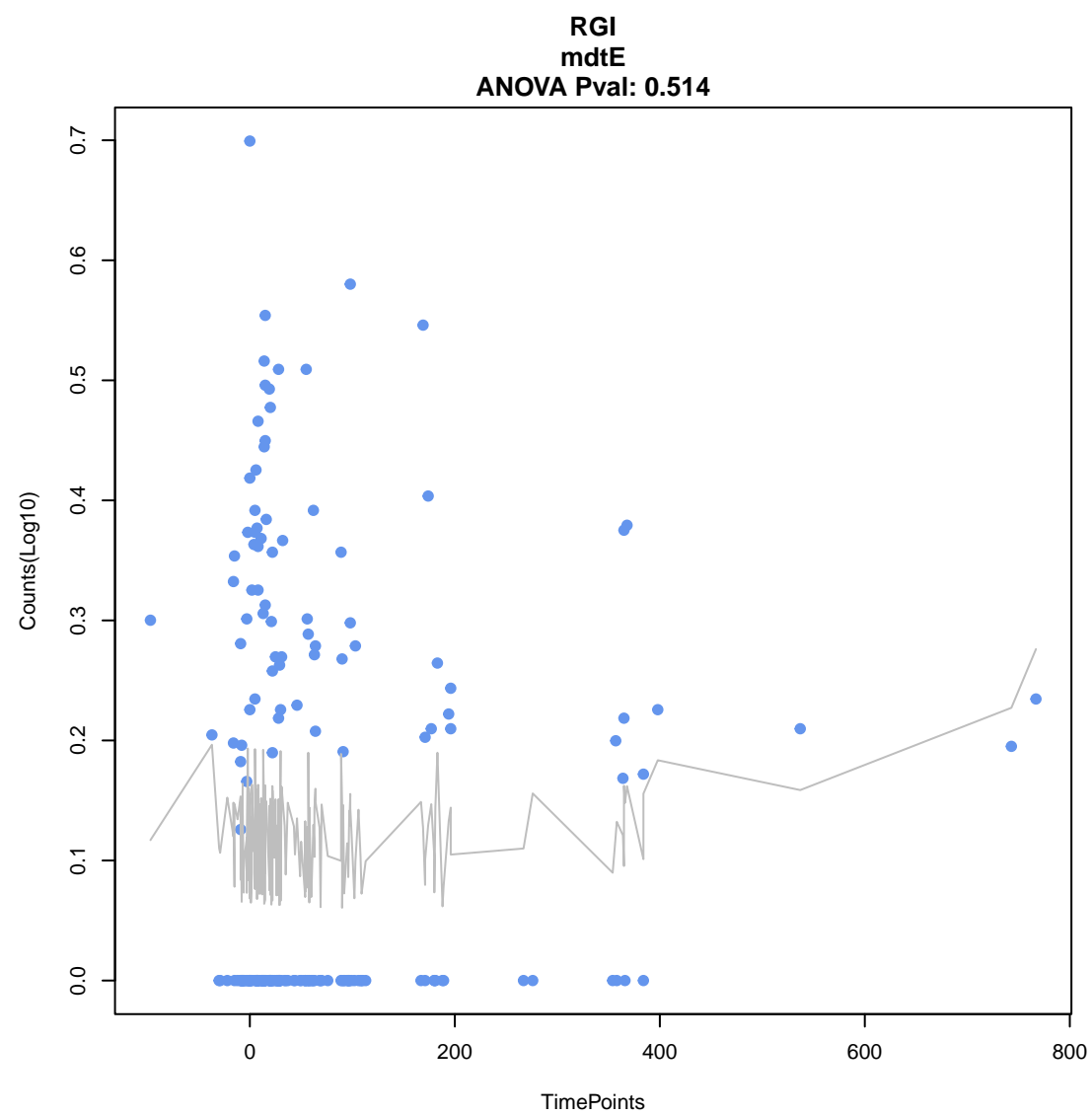
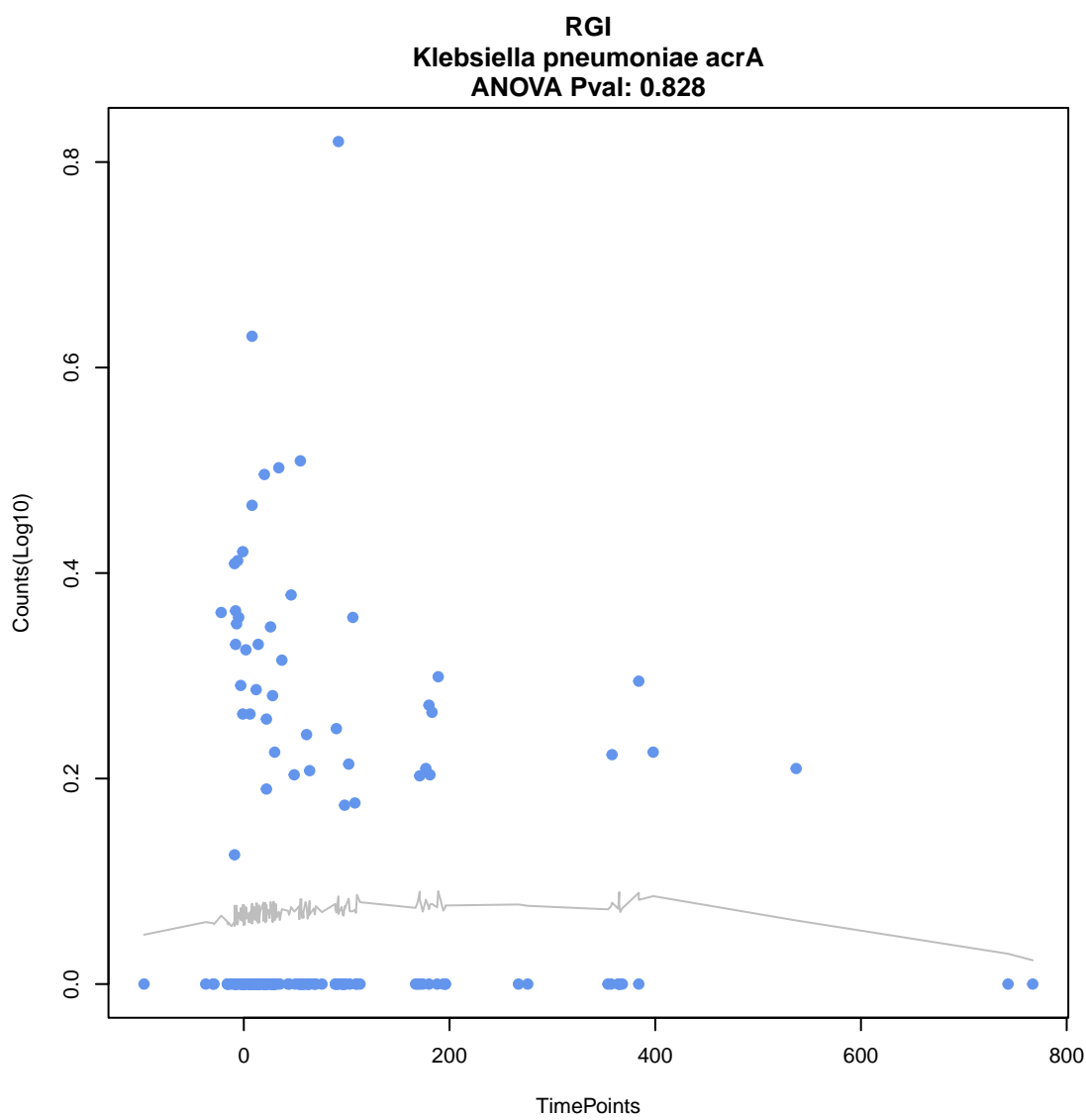
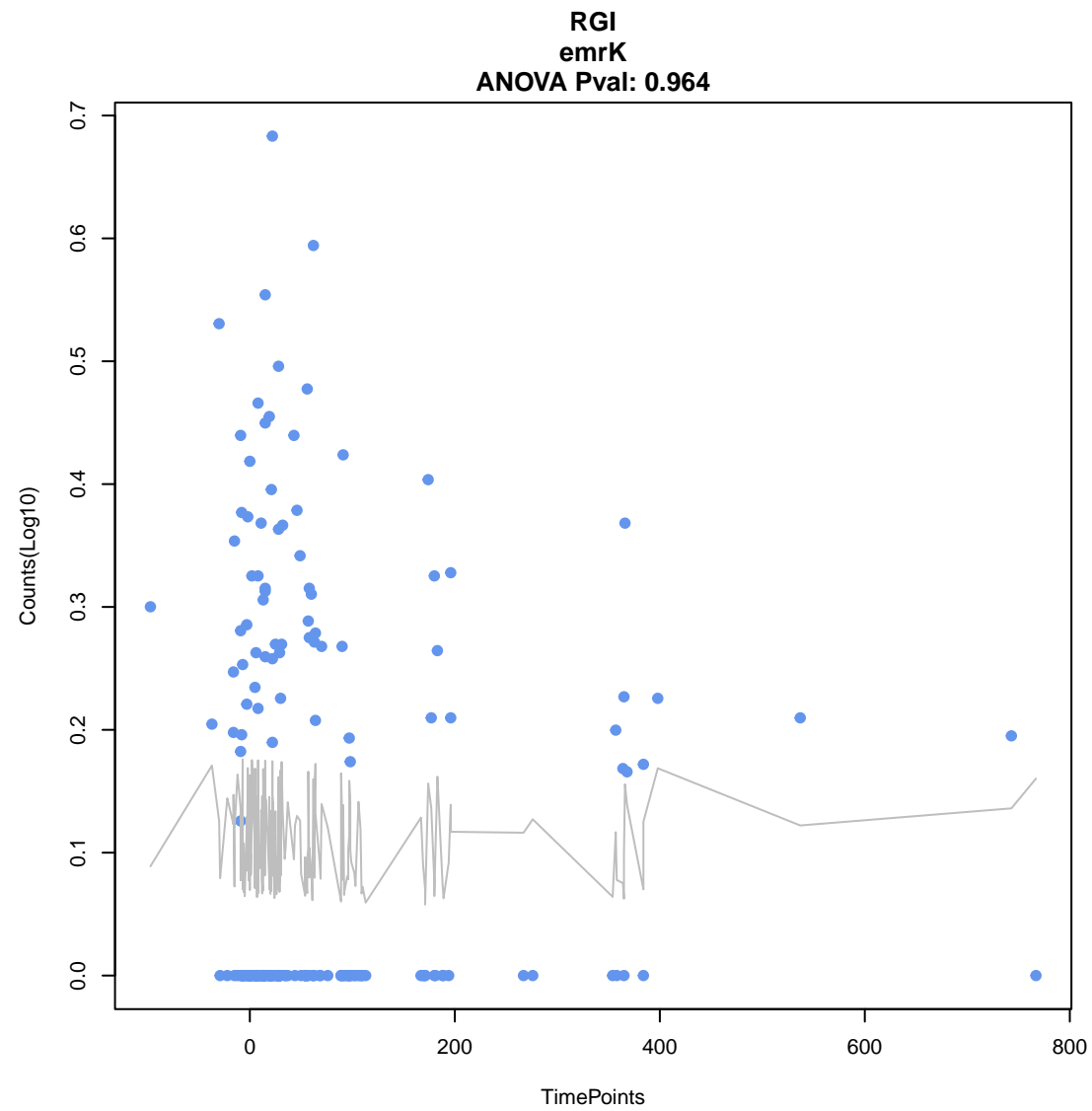
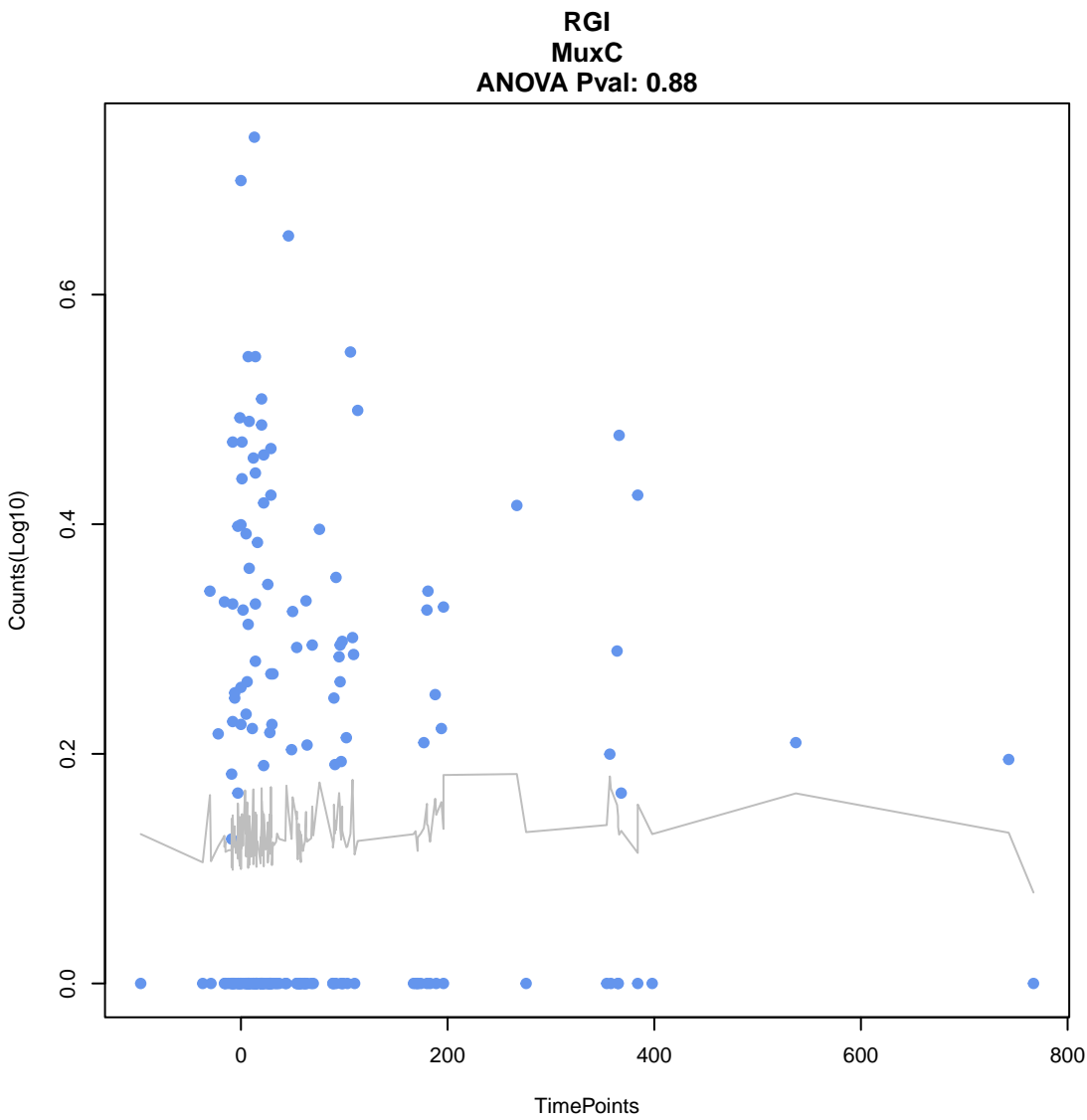


**RGI
adeF**
ANOVA Pval: 0.523

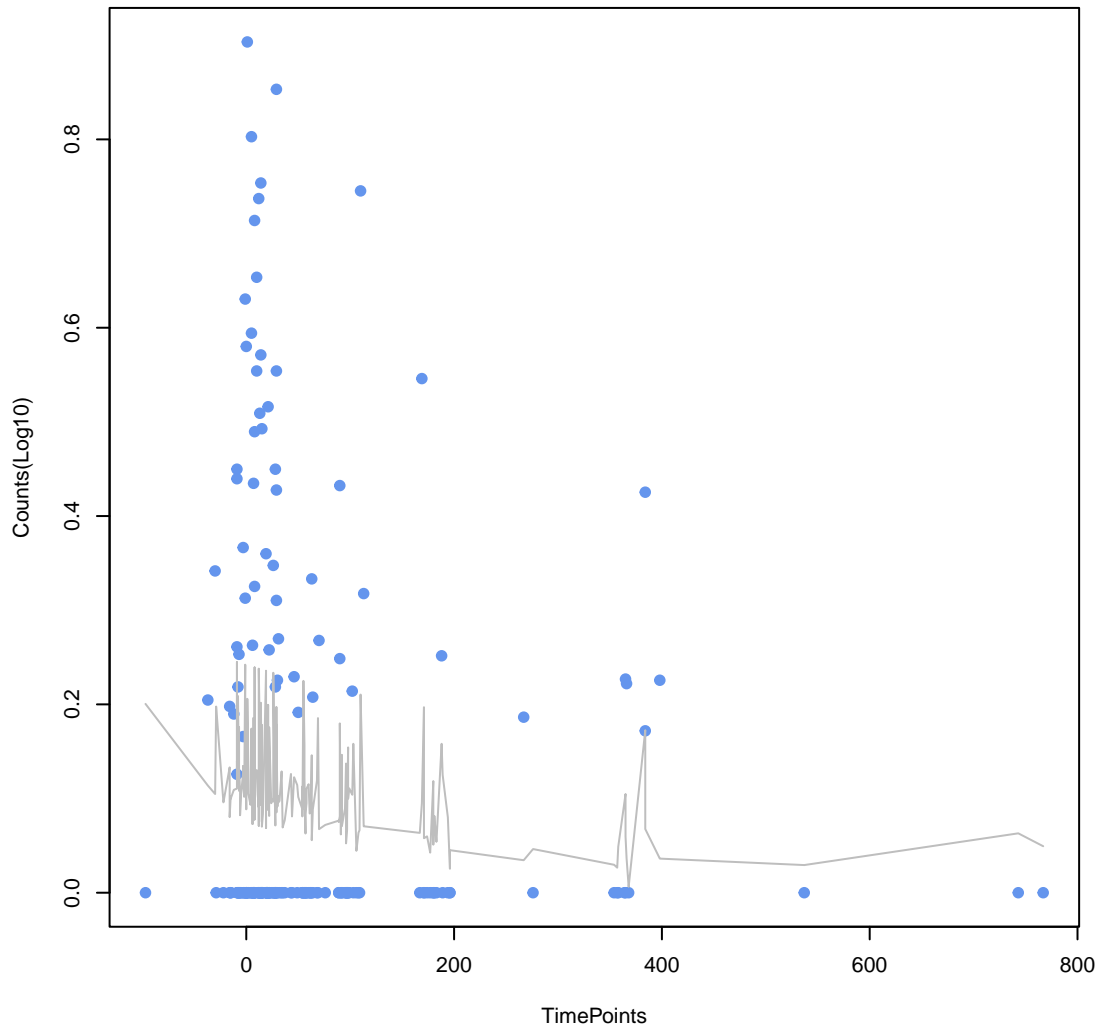


**RGI
emrA**
ANOVA Pval: 0.7

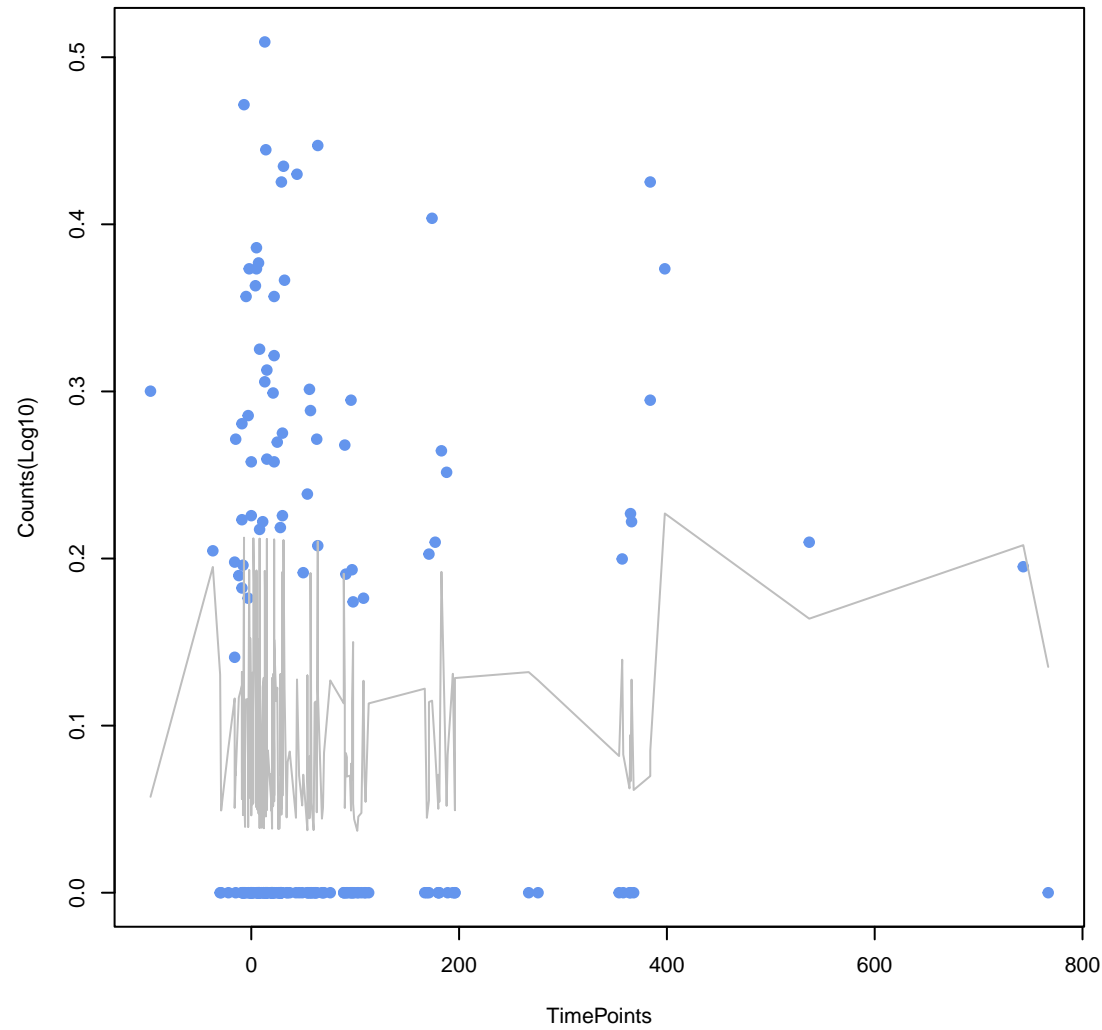




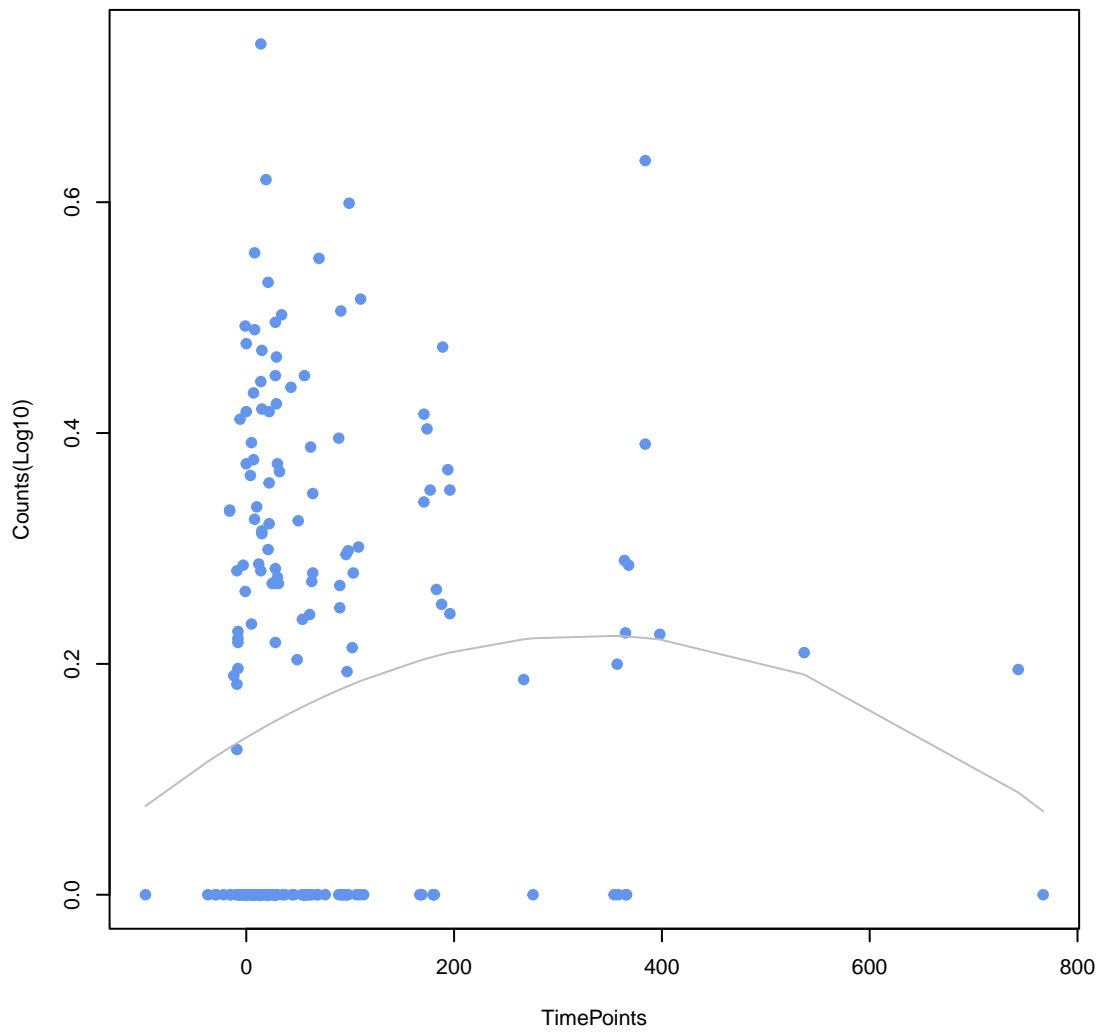
RGI
pmrA
ANOVA Pval: 0.366



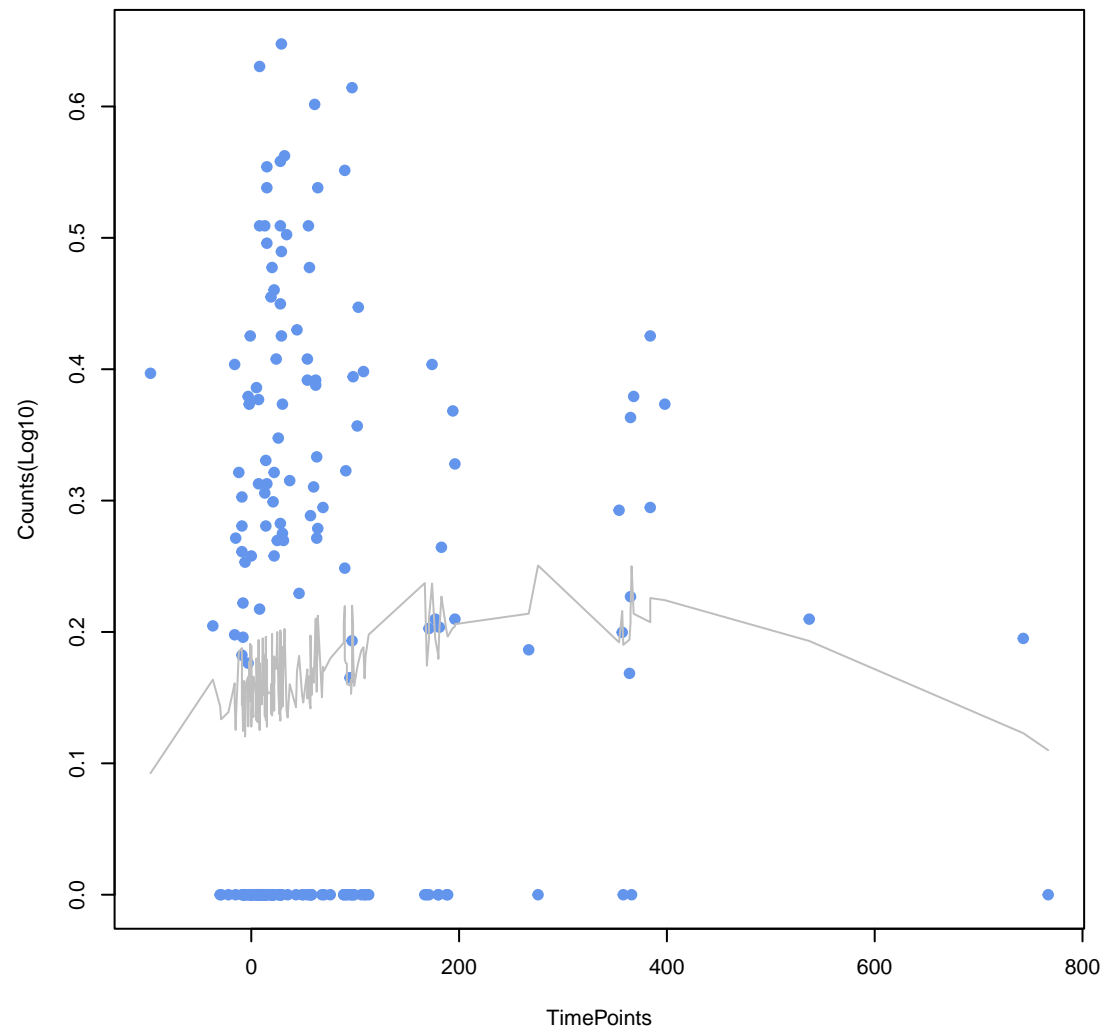
RGI
chia coli AcrAB-TolC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline
ANOVA Pval: 0.638



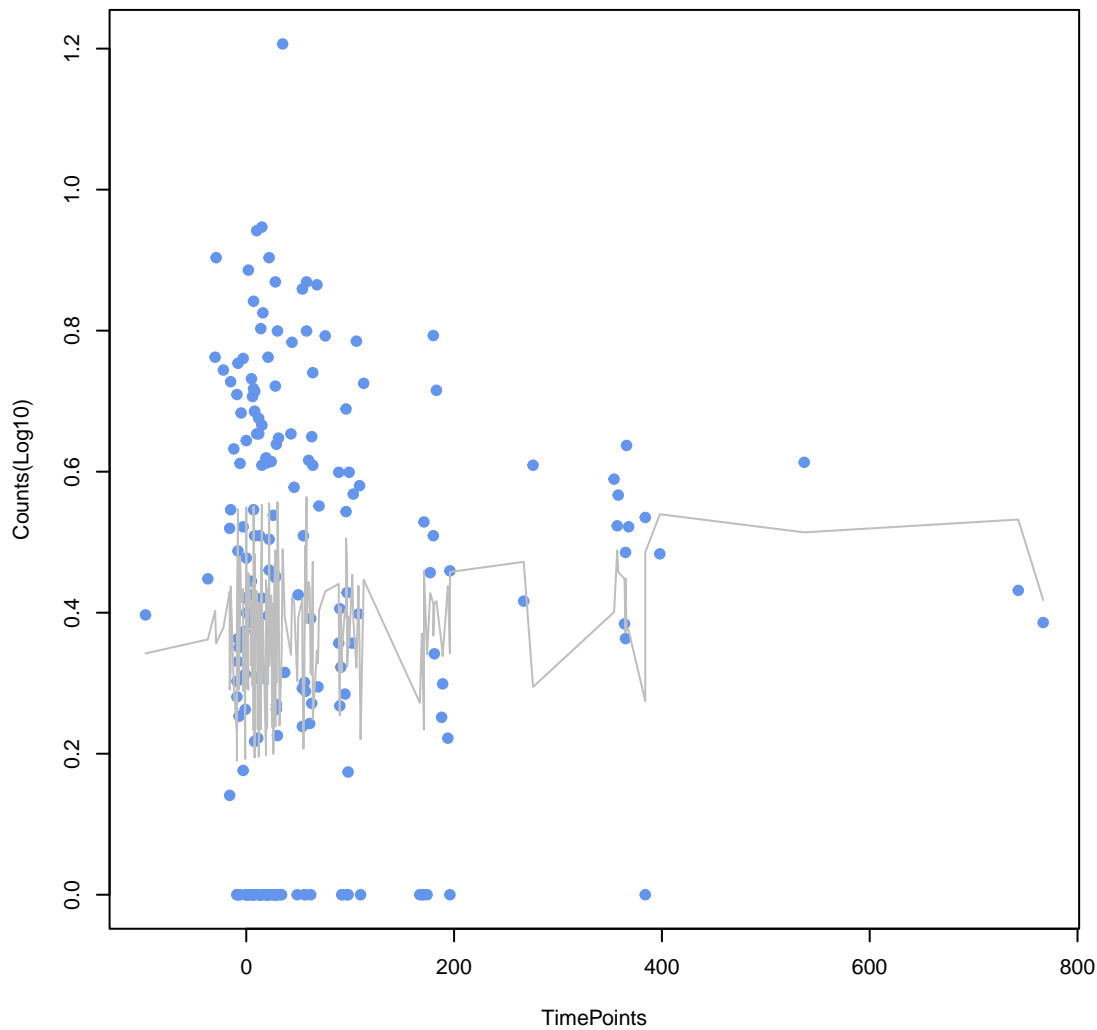
RGI
mdtM
ANOVA Pval: 0.097



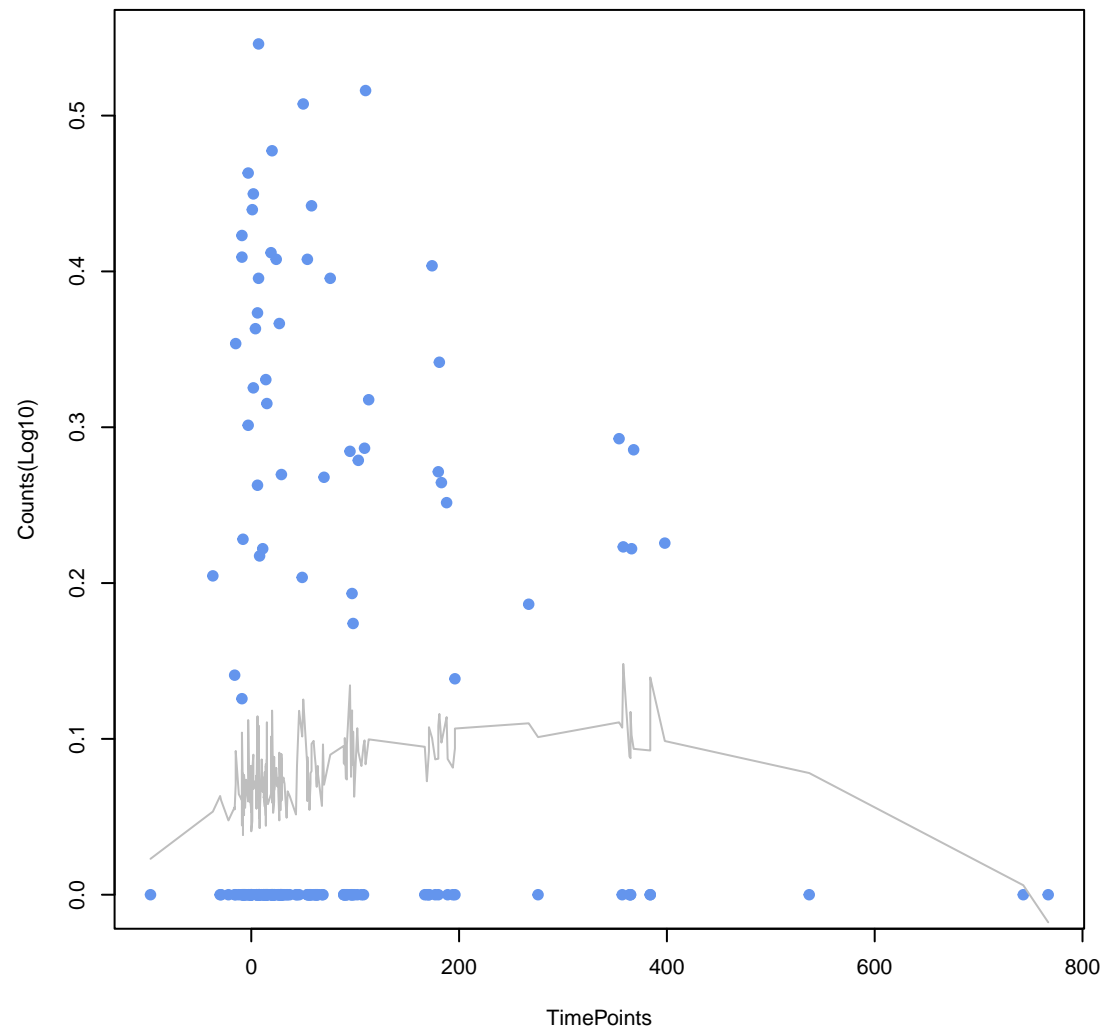
RGI
PmrF
ANOVA Pval: 0.338



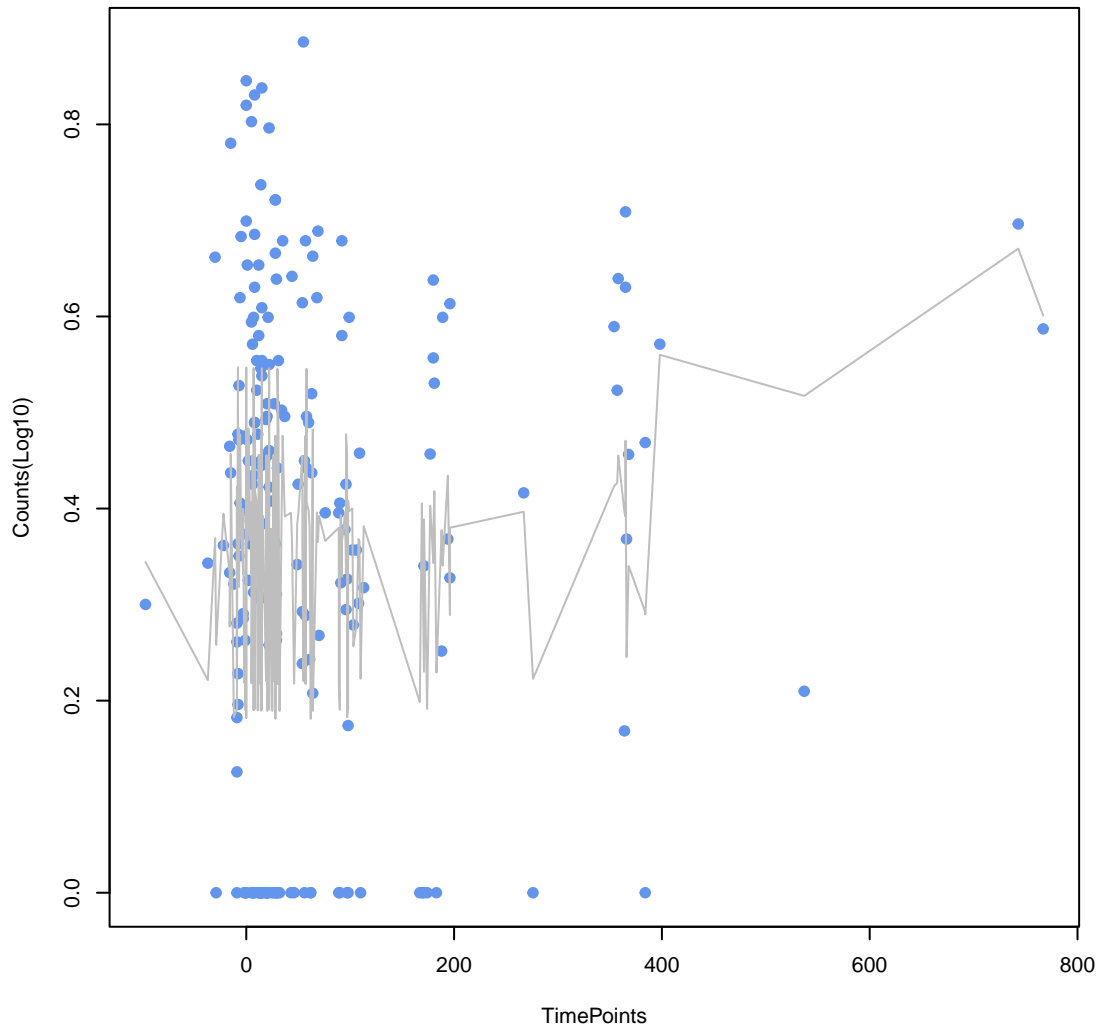
RGI
poxA
ANOVA Pval: 0.491



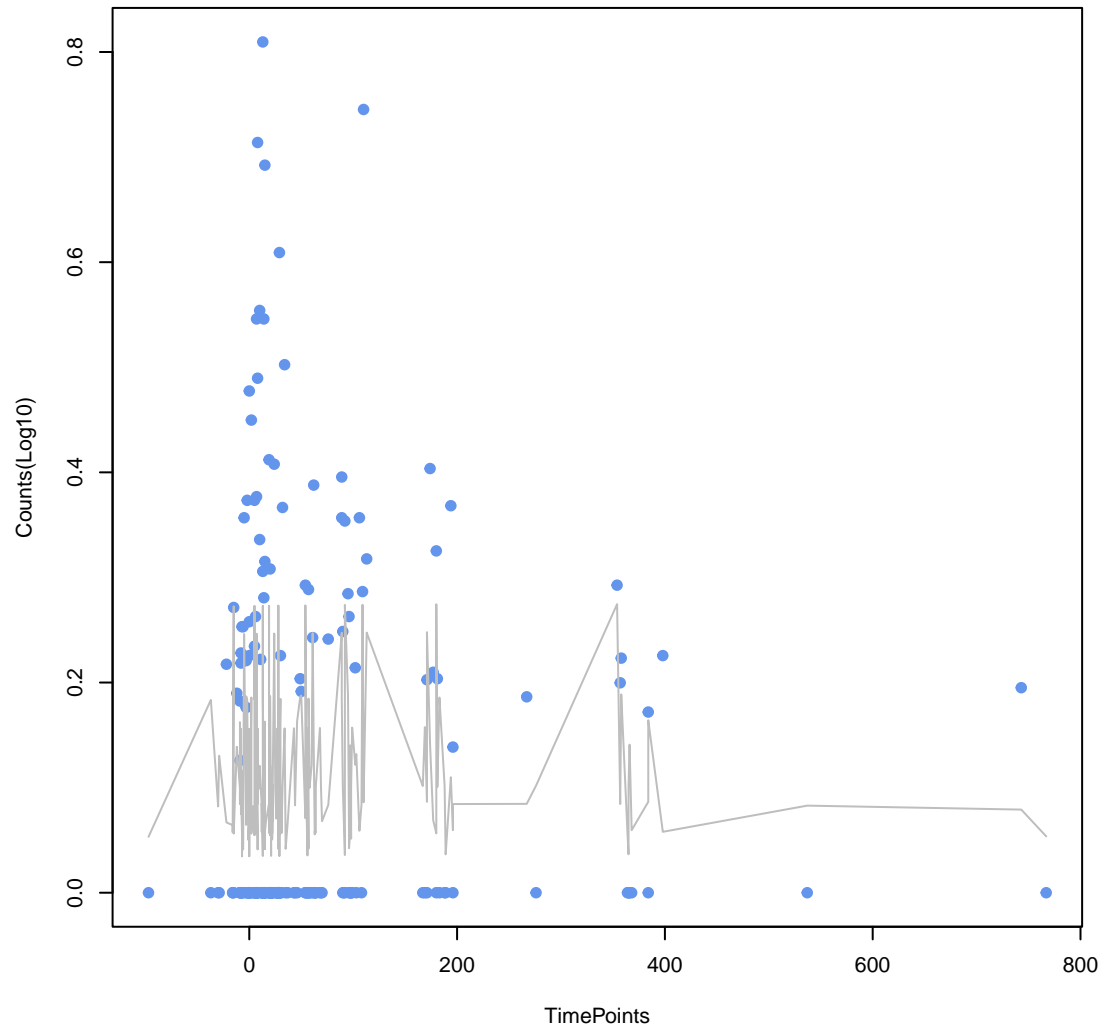
RGI
mtrD
ANOVA Pval: 0.342



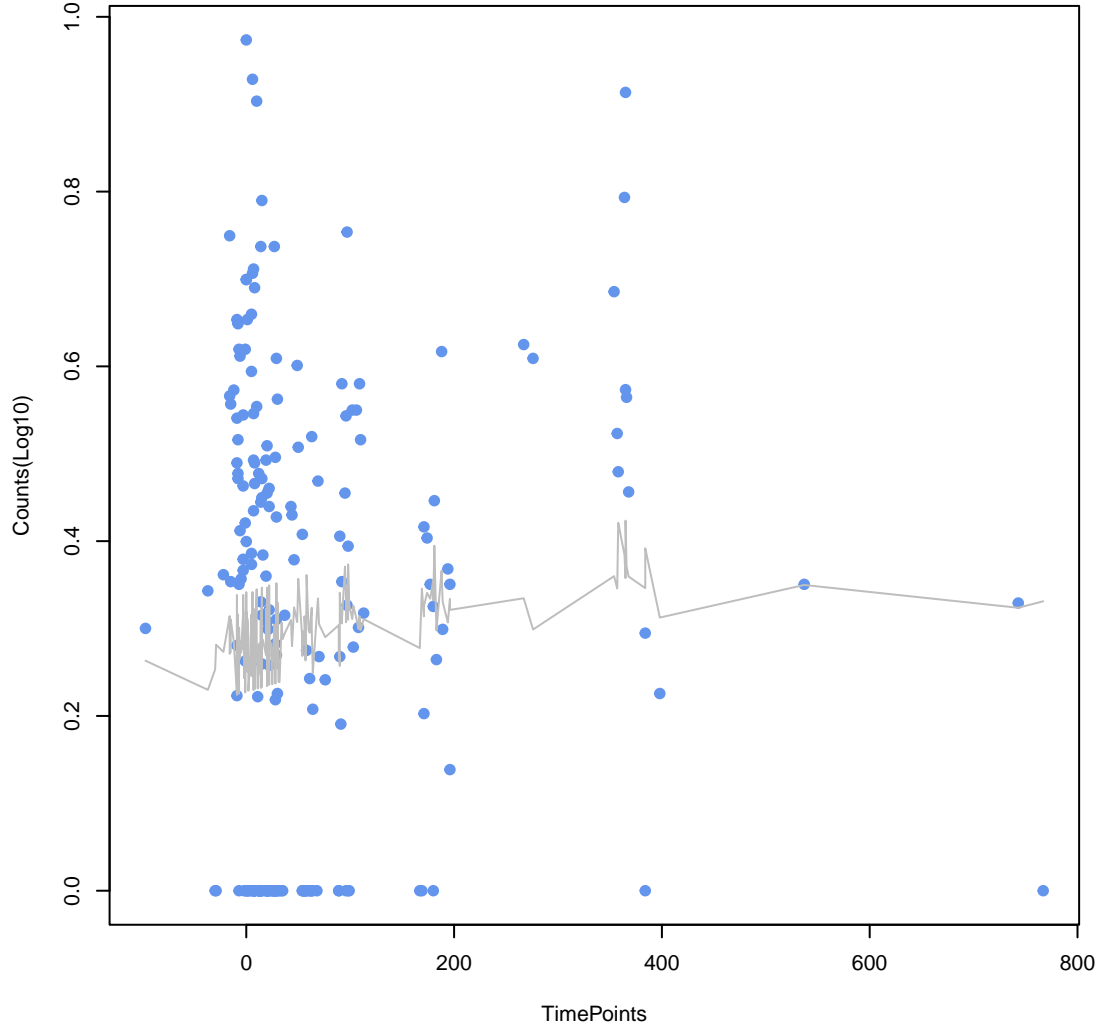
RGI
tet(32)
ANOVA Pval: 0.0882



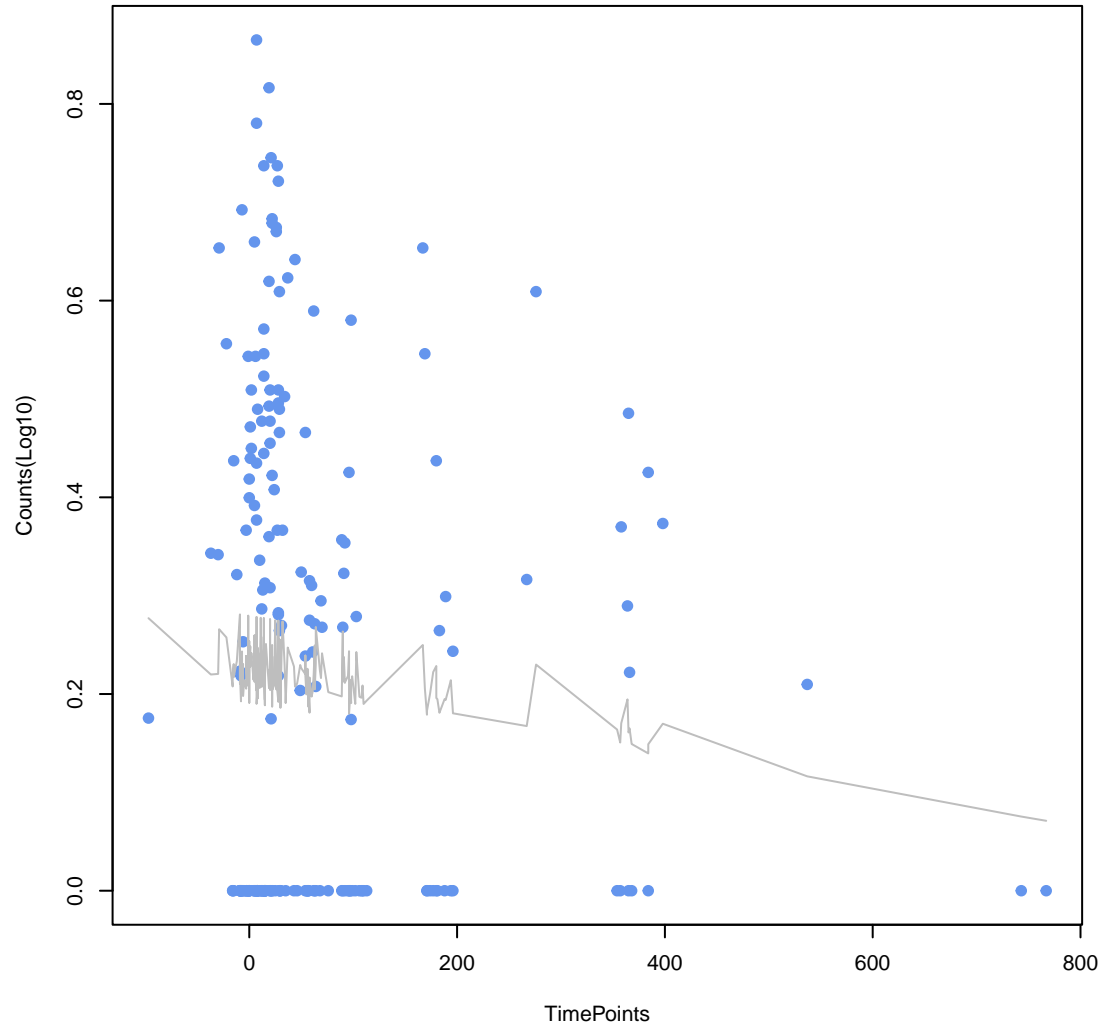
RGI
CfxA3
ANOVA Pval: 0.998



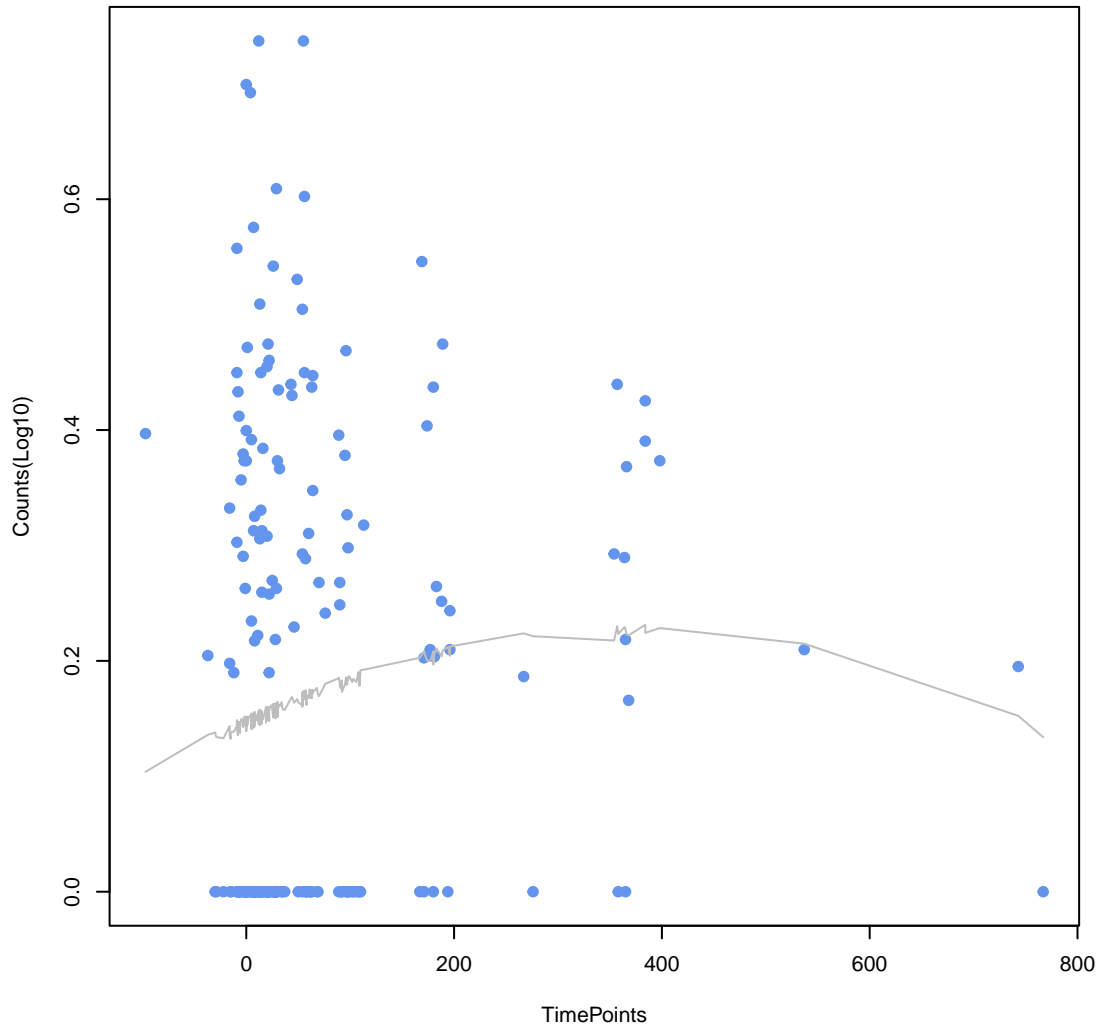
RGI
BlaB-38
ANOVA Pval: 0.413



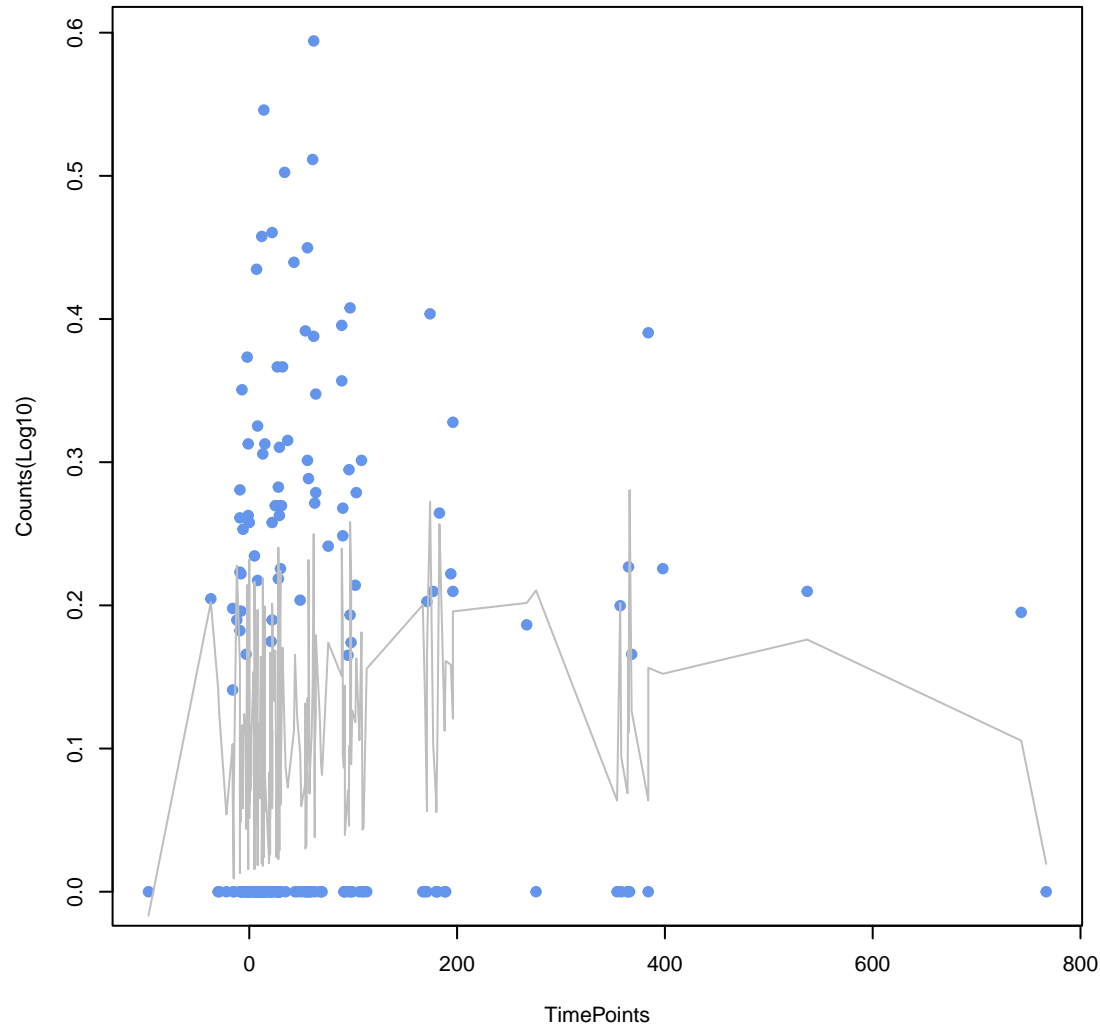
RGI
vanS gene in vanA cluster
ANOVA Pval: 0.439



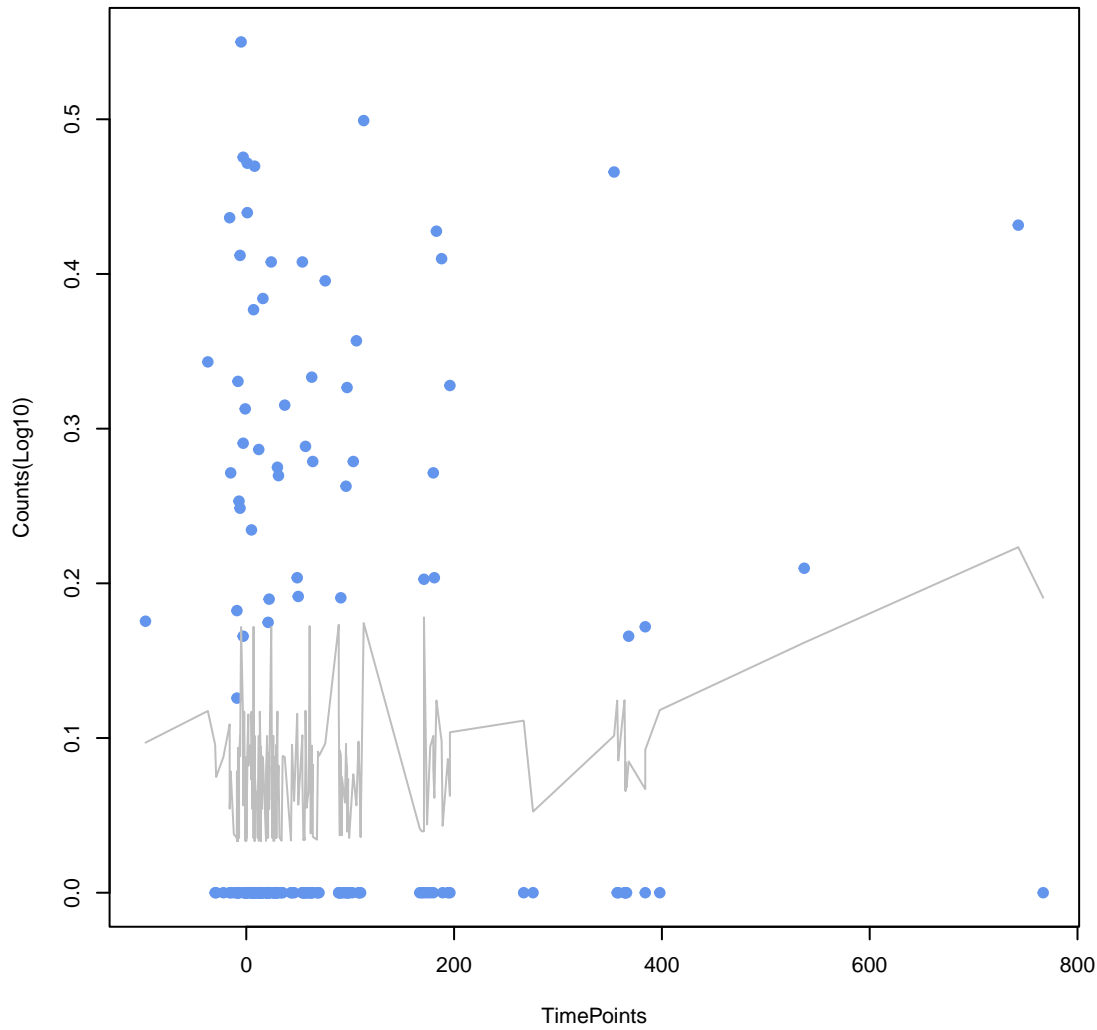
RGI
baeS
ANOVA Pval: 0.235



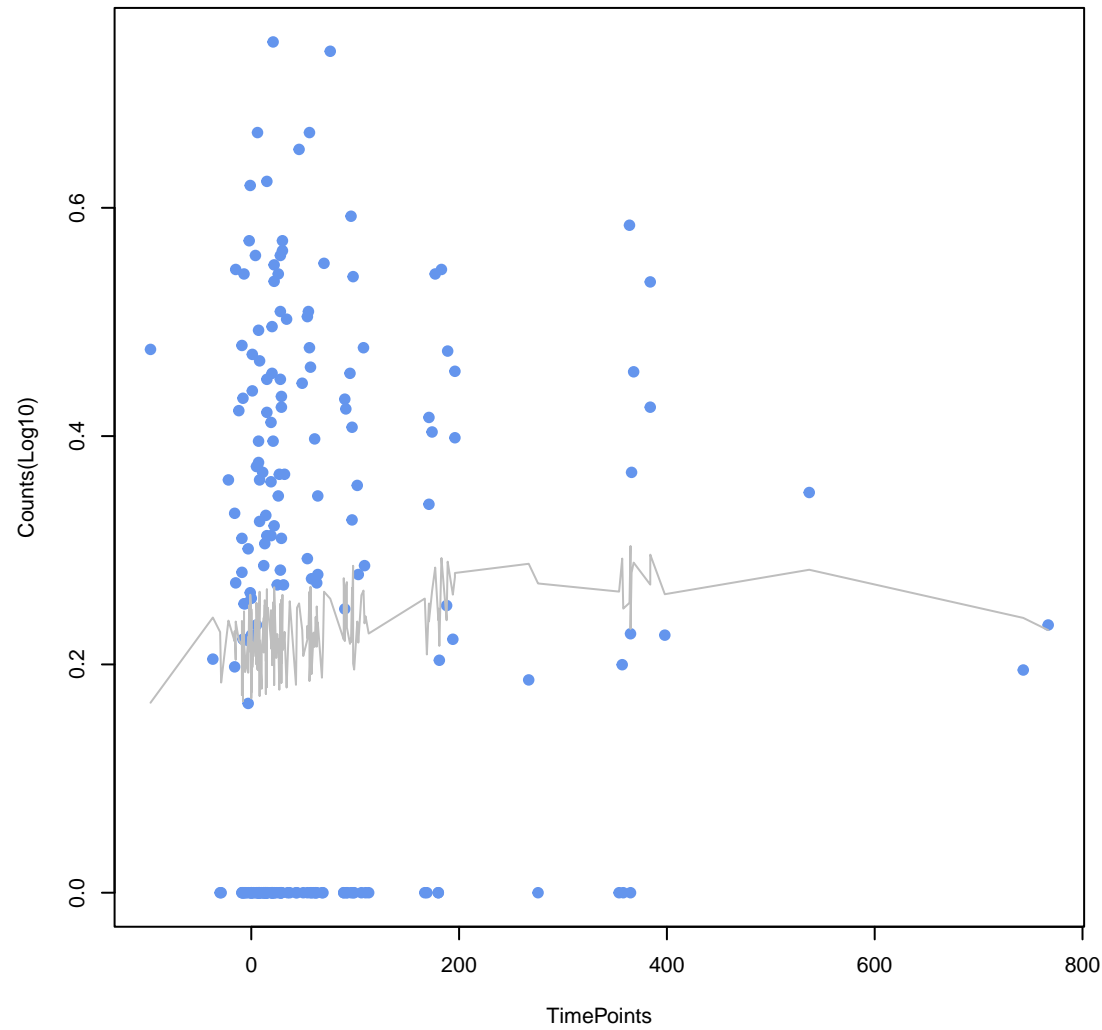
RGI
H-NS
ANOVA Pval: 0.206



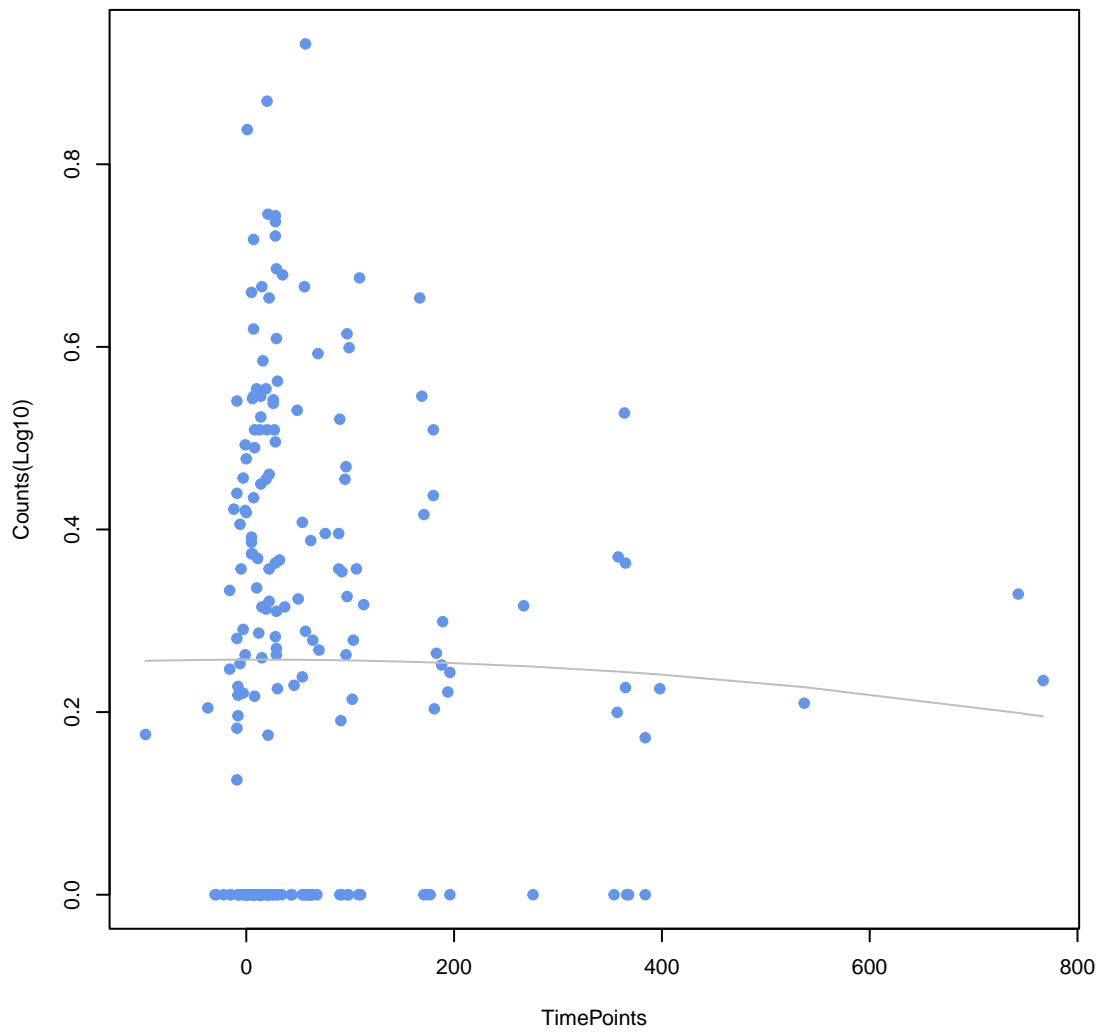
RGI
SHV-43
ANOVA Pval: 0.308



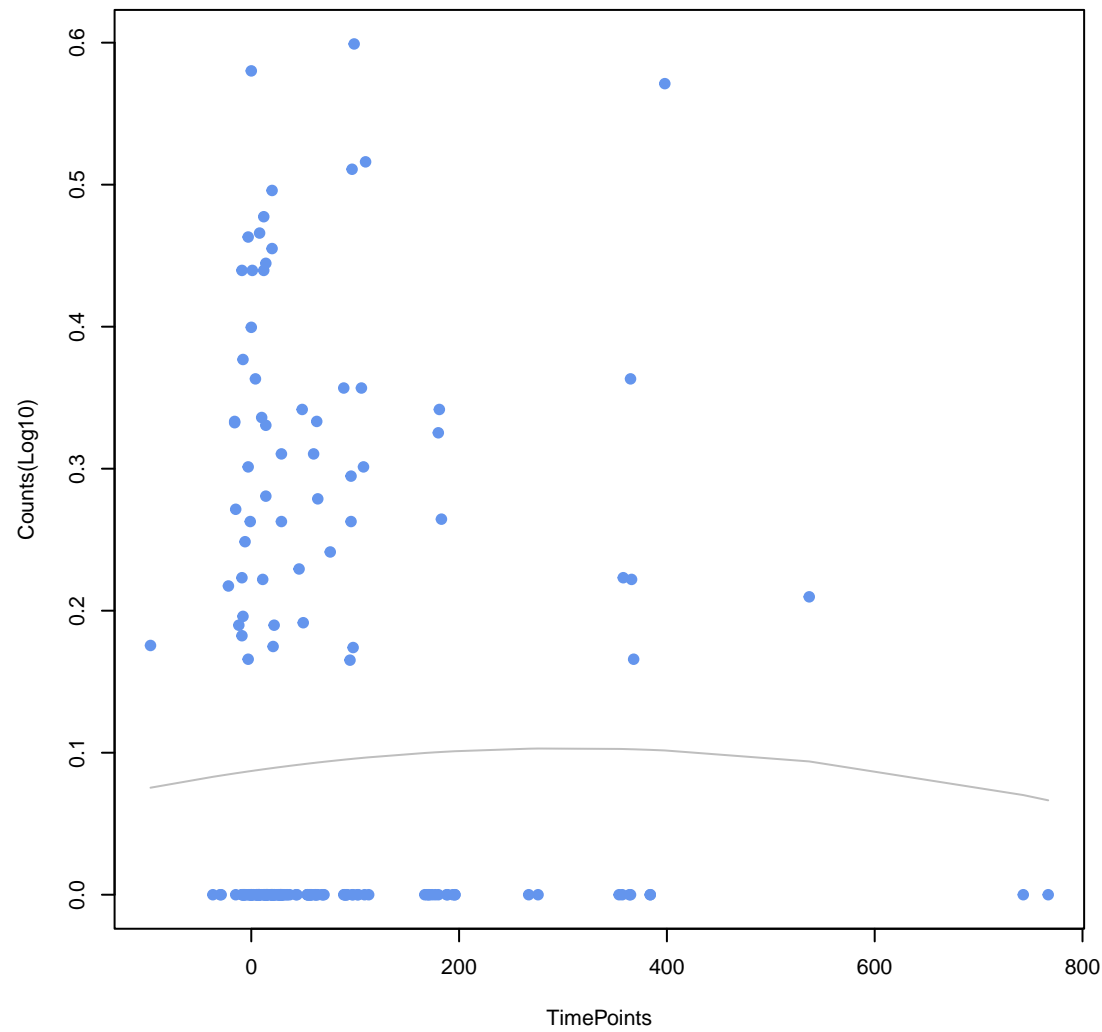
RGI
cpxA
ANOVA Pval: 0.55



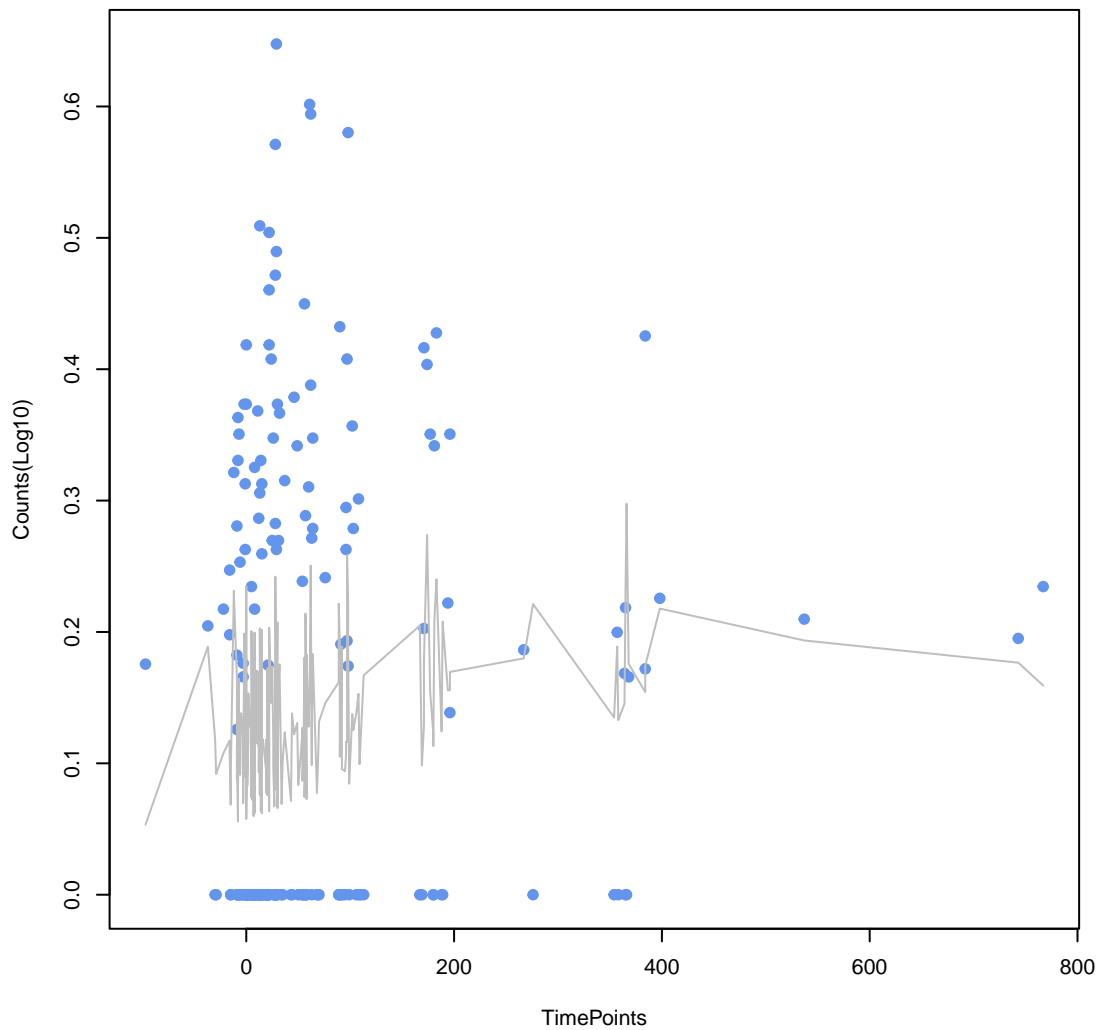
RGI
fexA
ANOVA Pval: 0.919



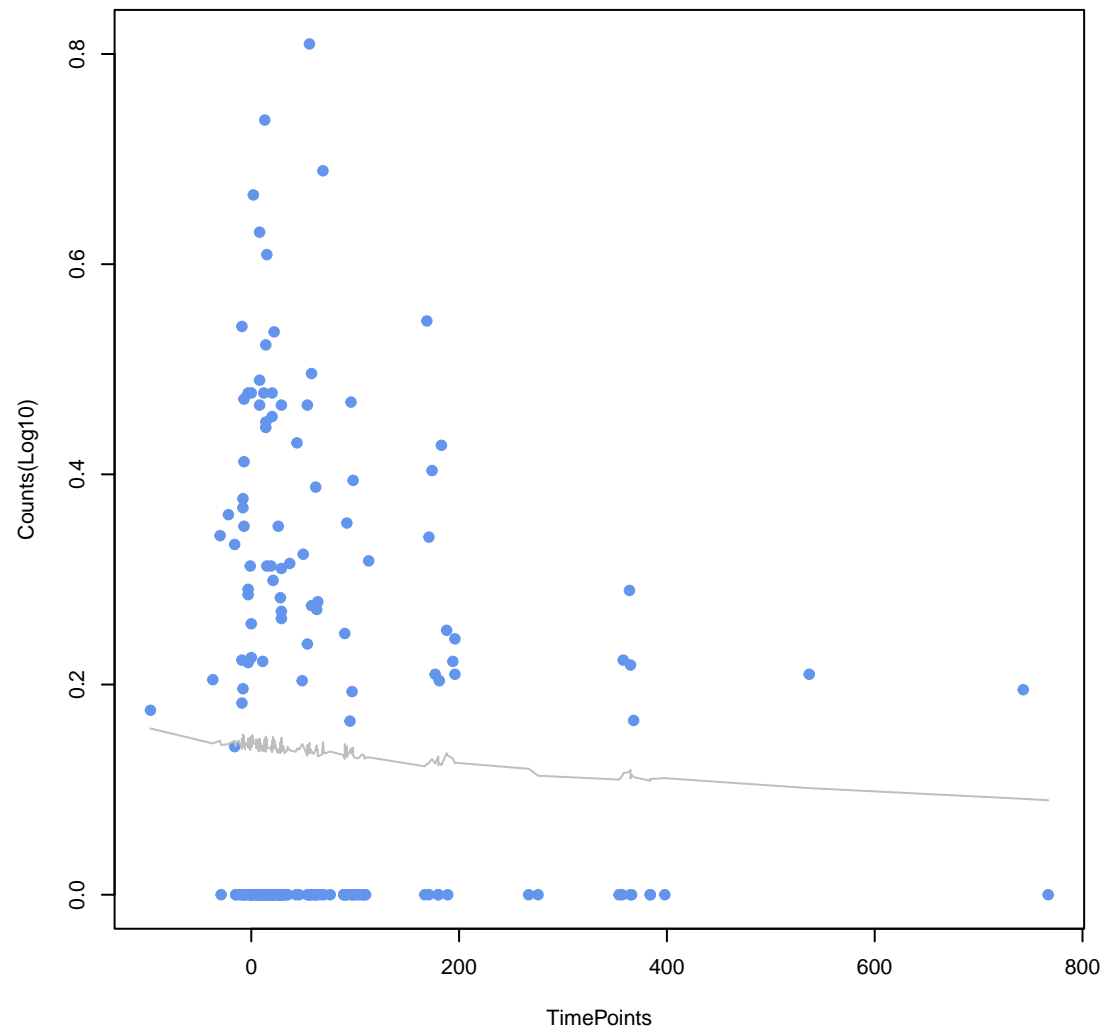
RGI
TaeA
ANOVA Pval: 0.881



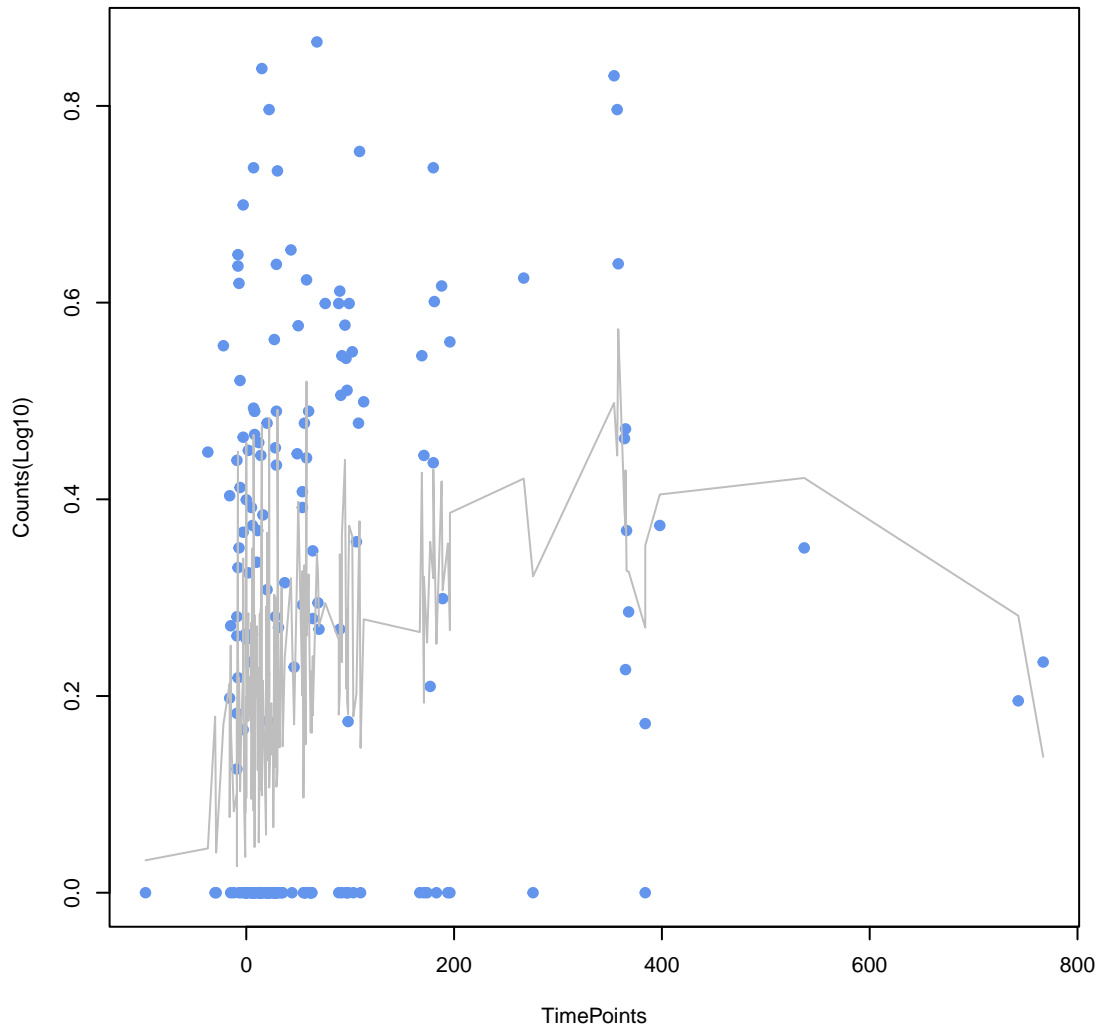
RGI
emrR
ANOVA Pval: 0.289



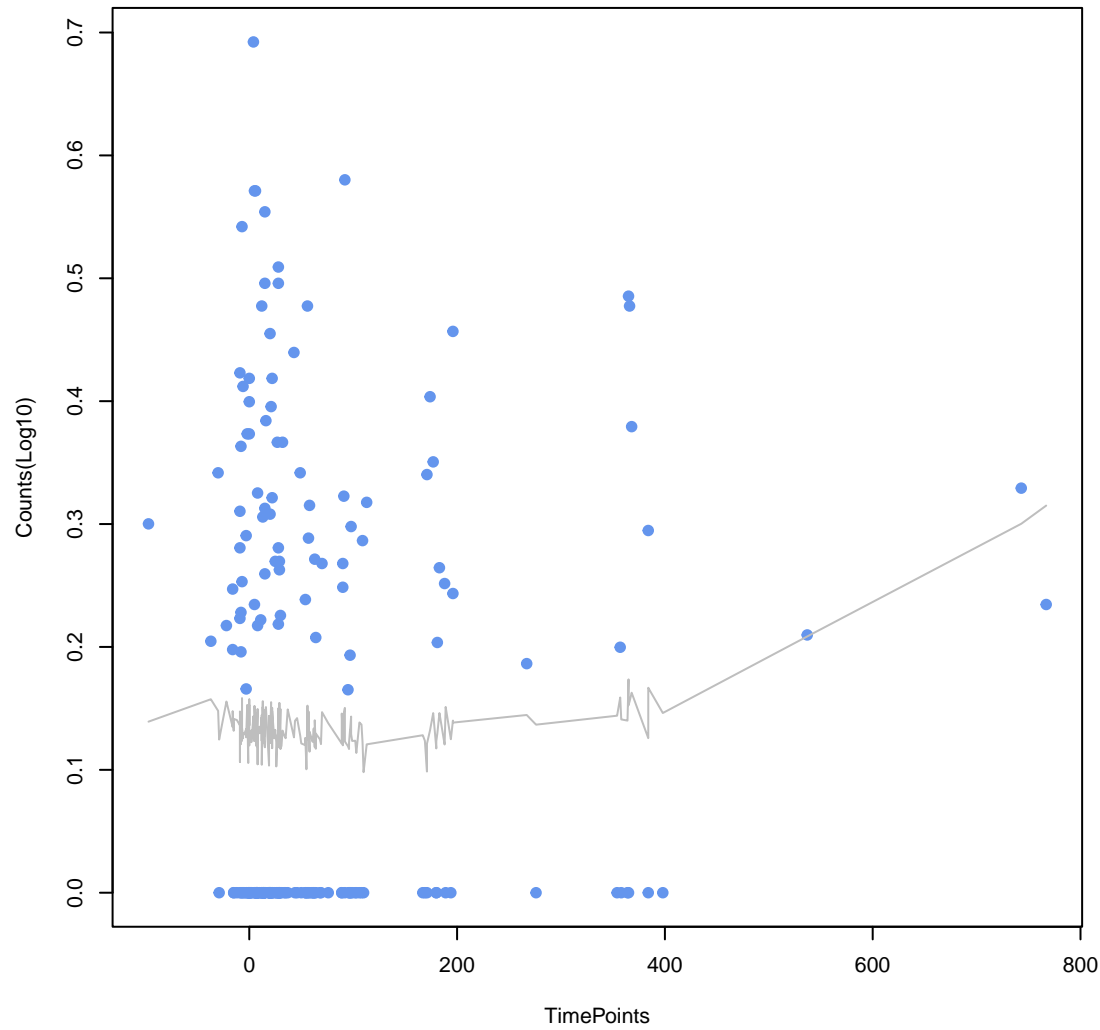
RGI
Bifidobacterium bifidum ileS conferring resistance to mupirocin
ANOVA Pval: 0.776



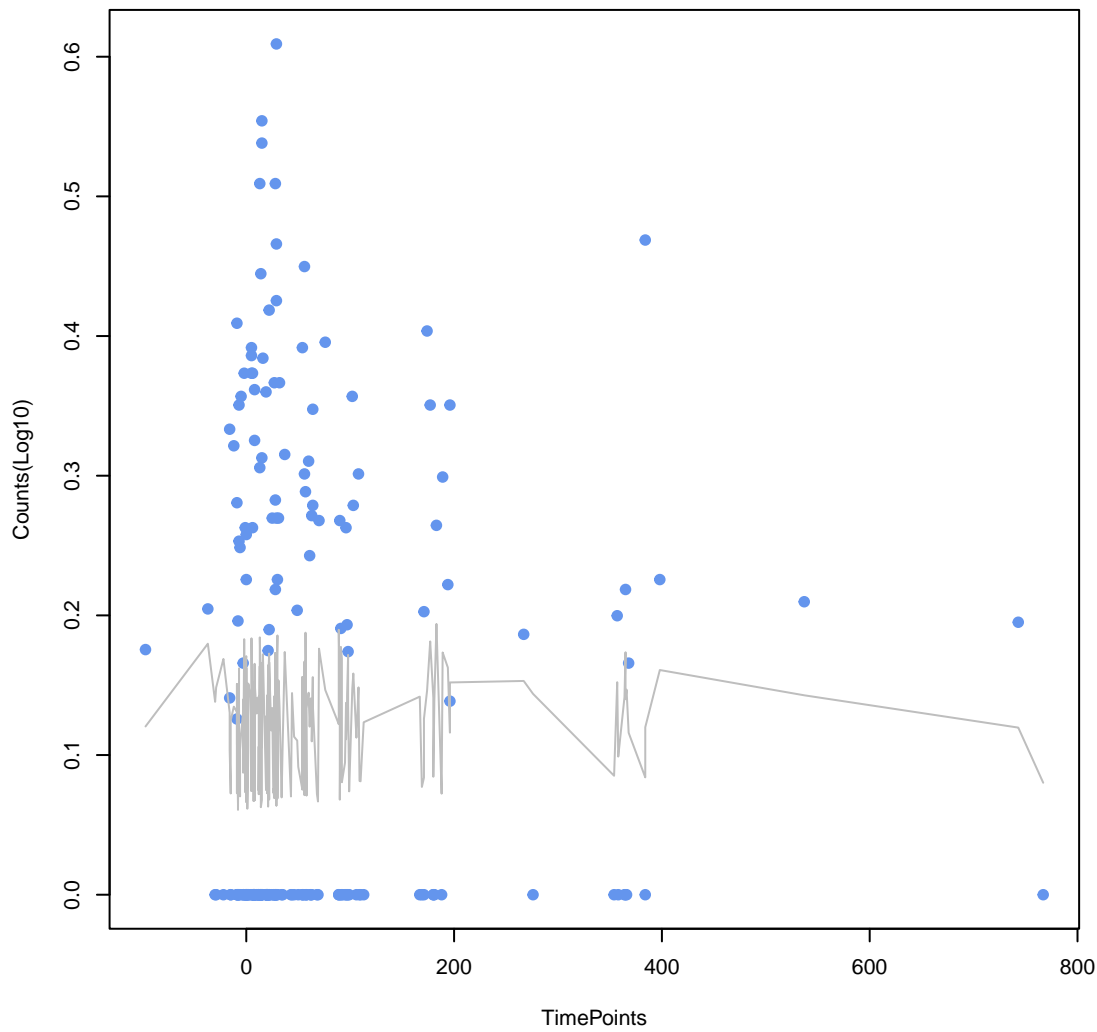
**RGI
nimJ**
ANOVA Pval: 0.000158



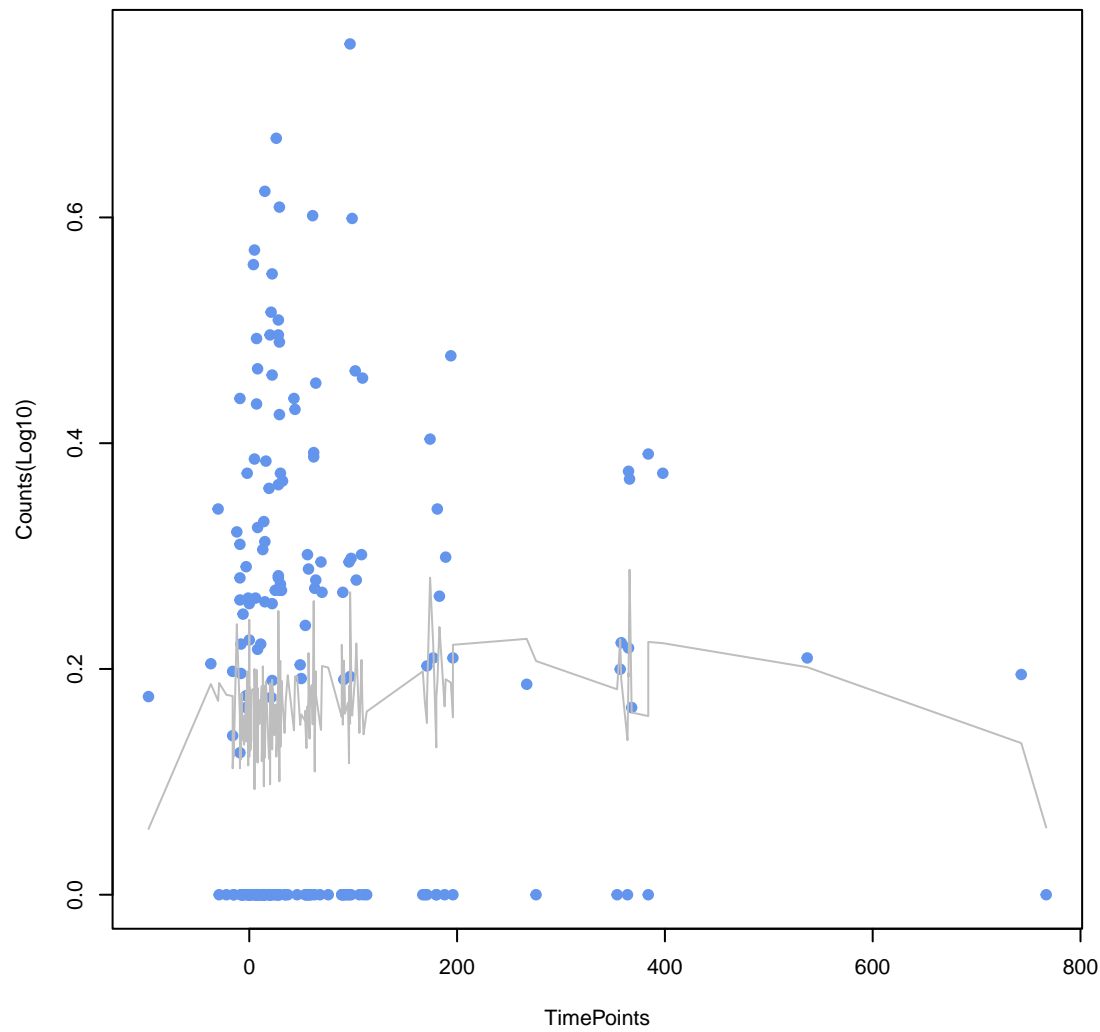
**RGI
eptA**
ANOVA Pval: 0.367



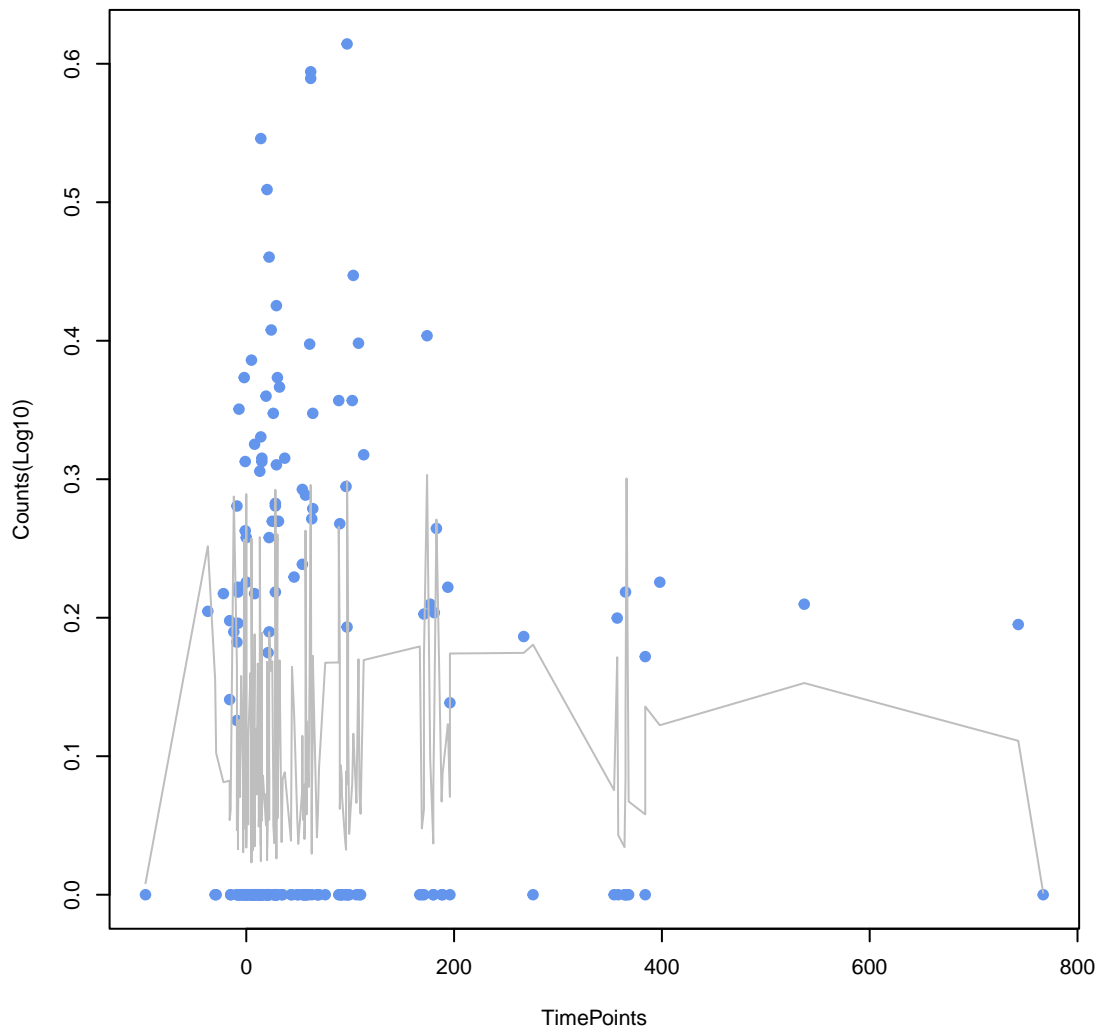
**RGI
kdpE**
ANOVA Pval: 0.912



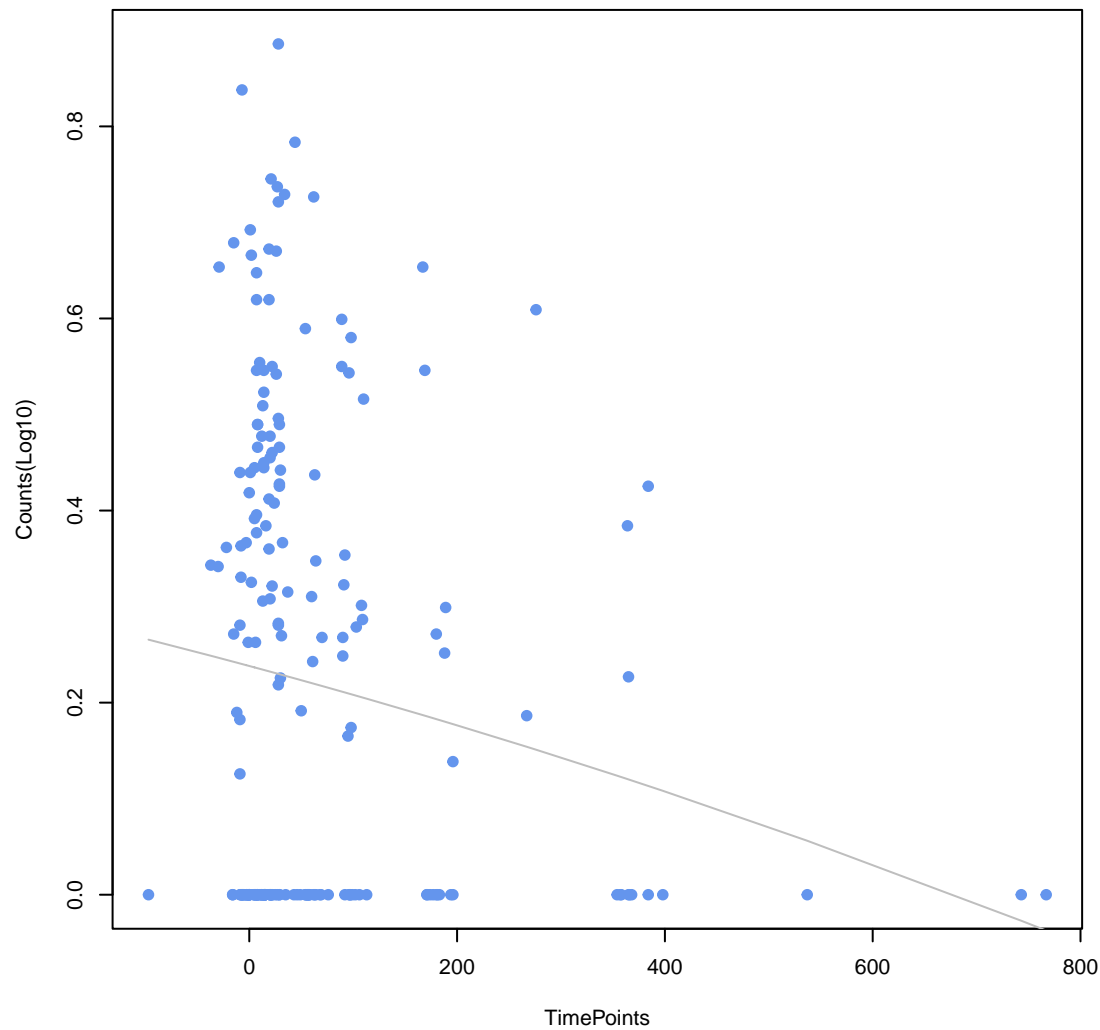
**RGI
Escherichia coli mdxA**
ANOVA Pval: 0.465



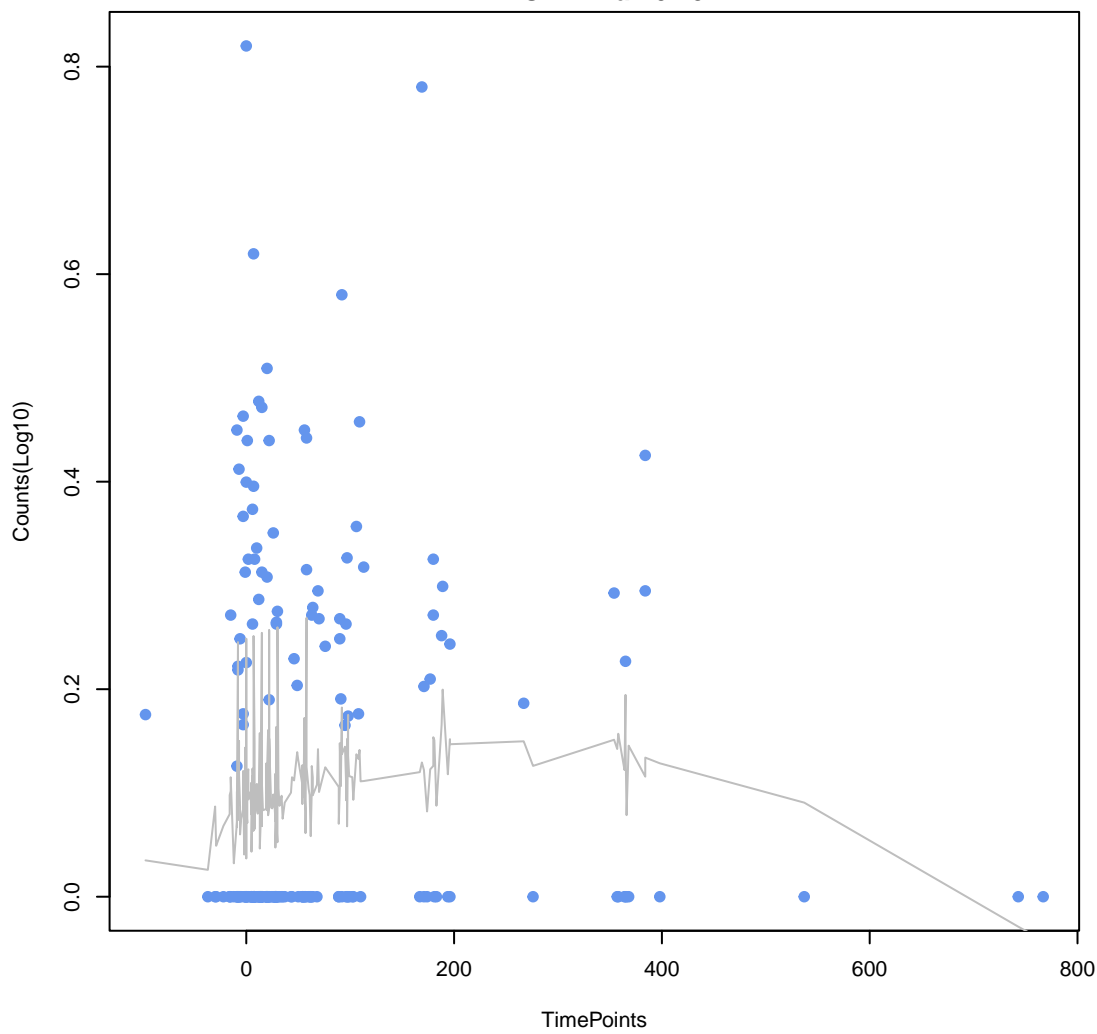
**RGI
rsmA**
ANOVA Pval: 0.742



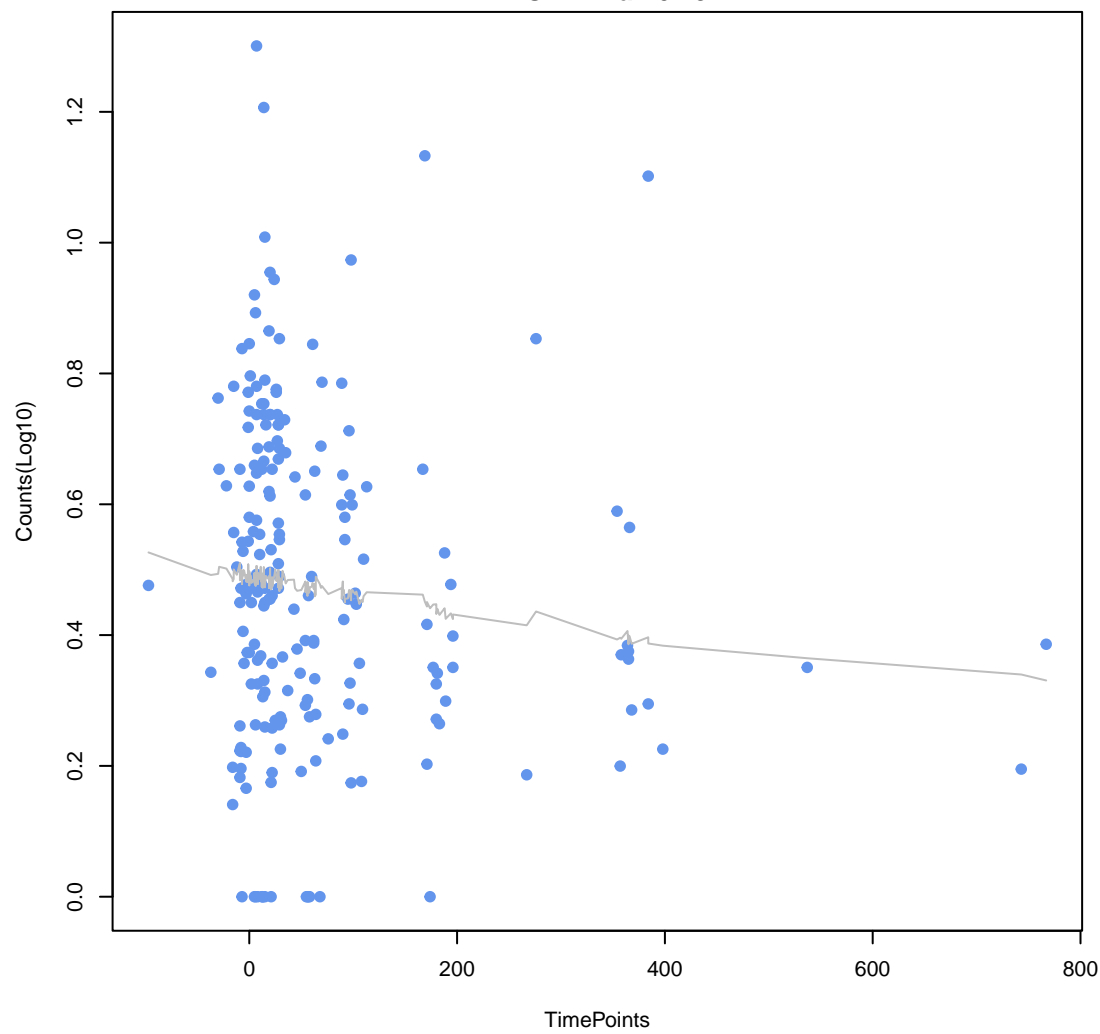
**RGI
vanH gene in vanA cluster**
ANOVA Pval: 0.0647



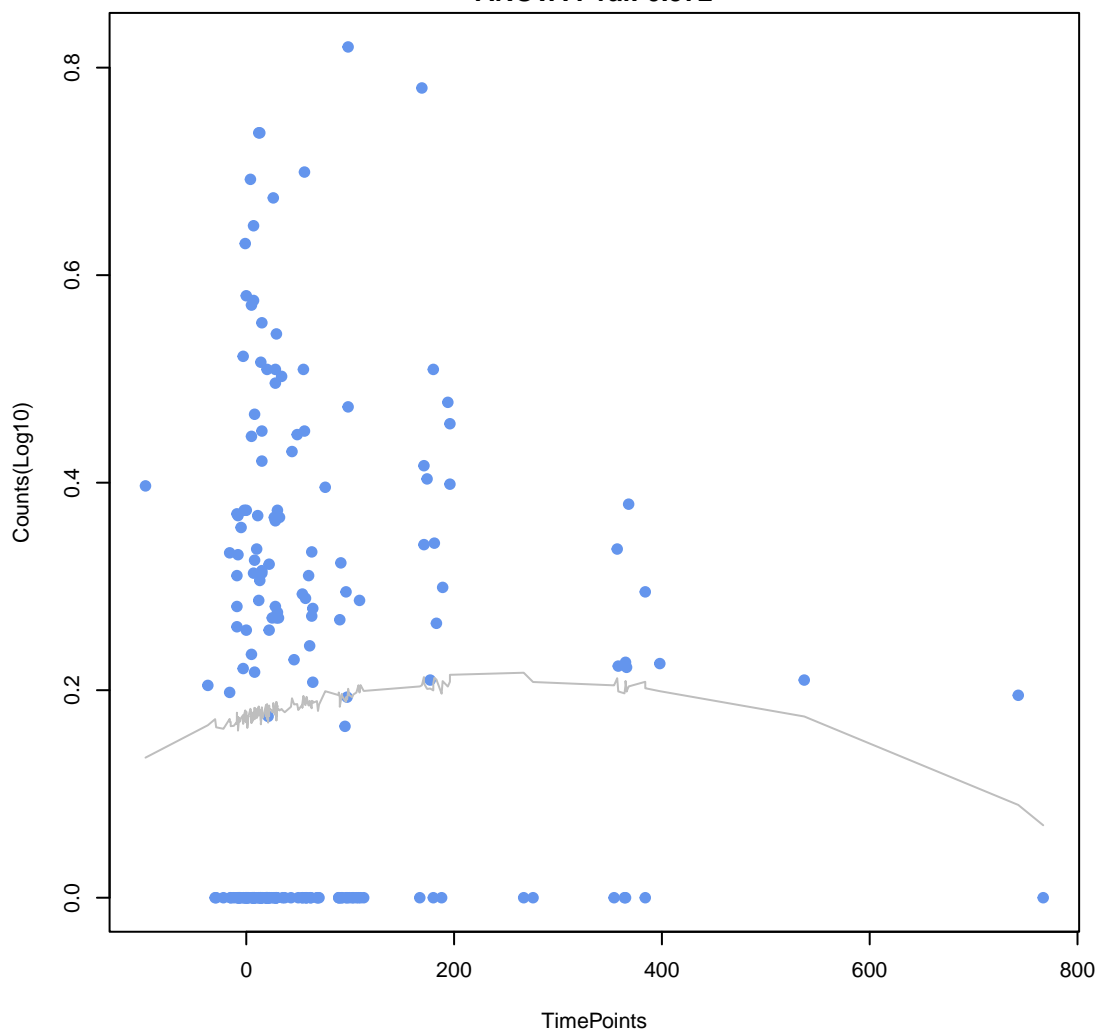
RGI
farB
ANOVA Pval: 0.15



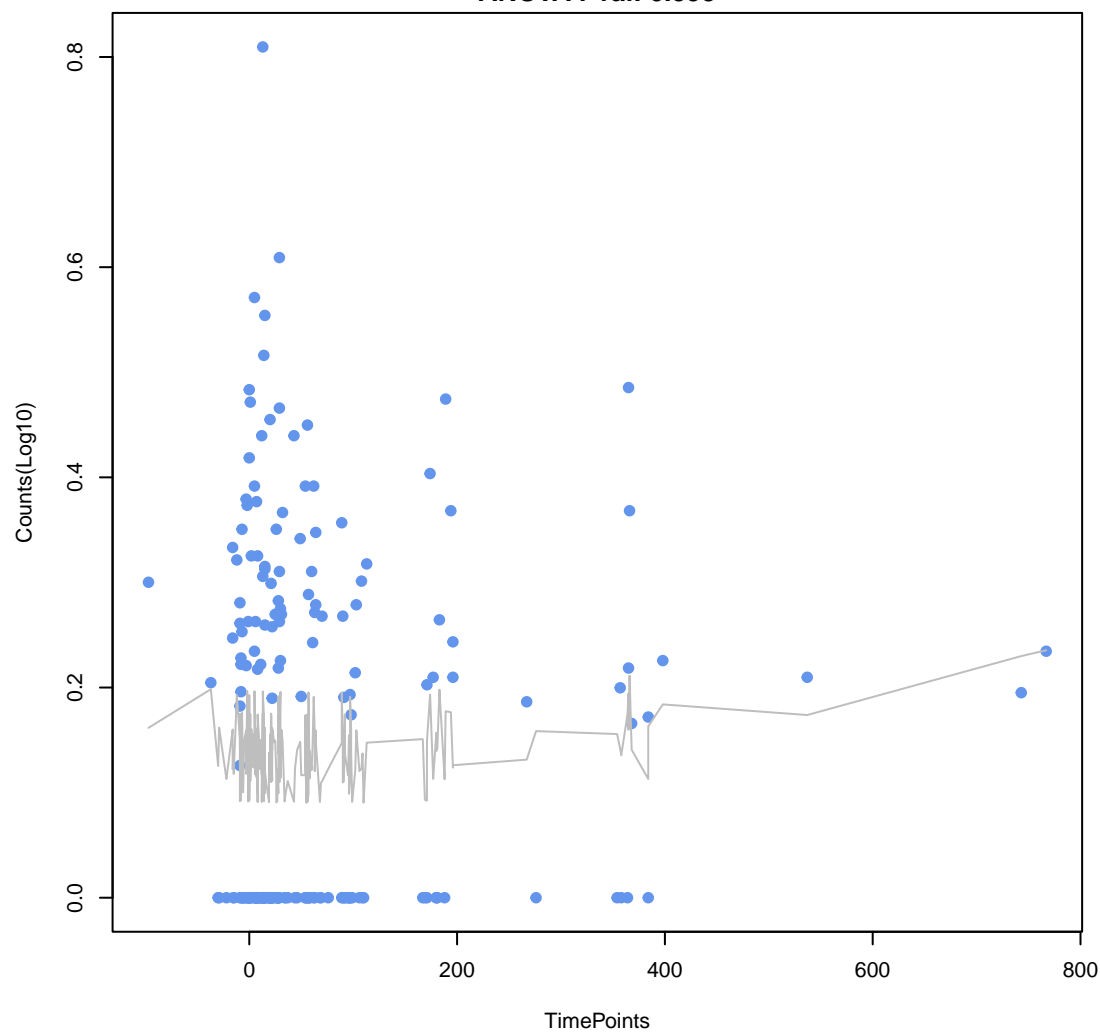
RGI
tet(M)
ANOVA Pval: 0.29



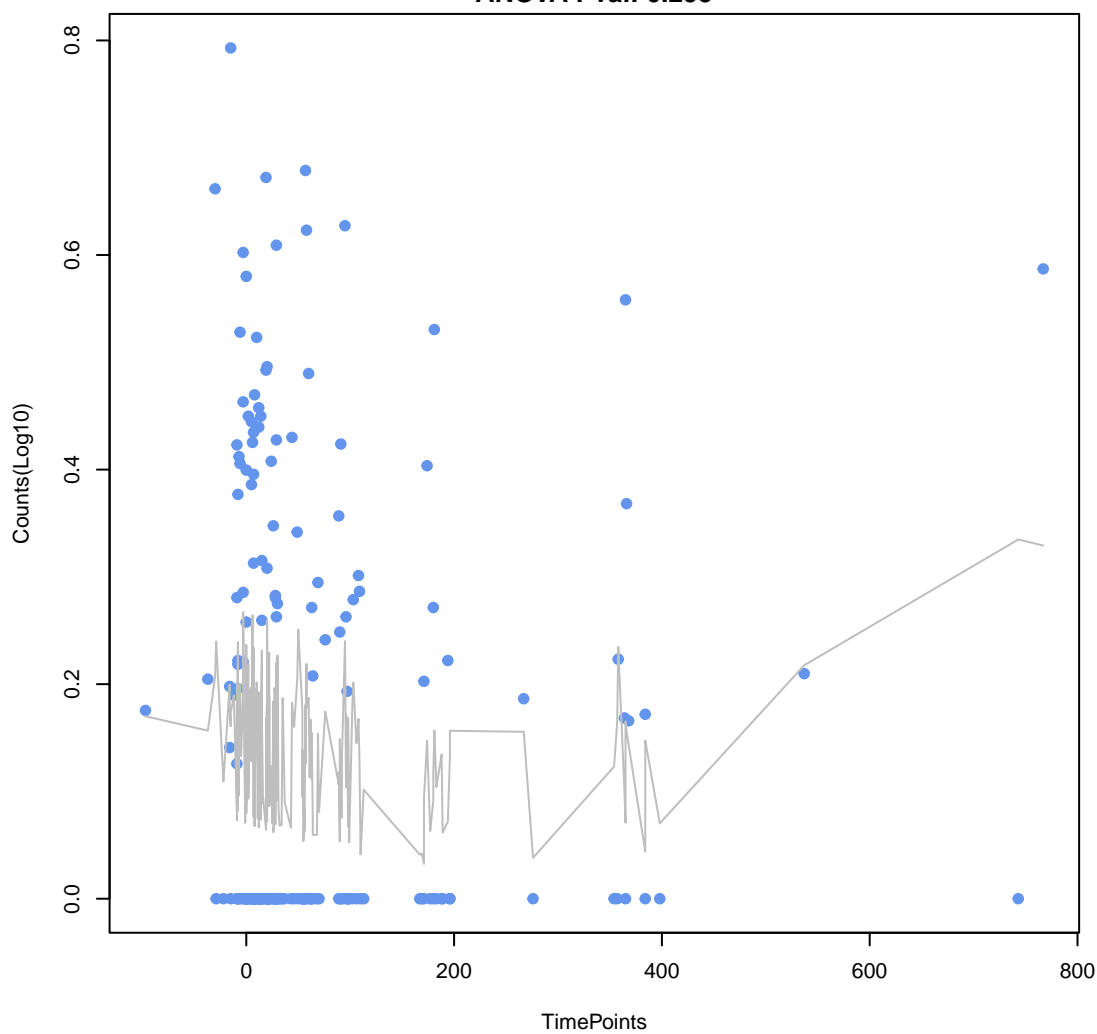
RGI
TolC
ANOVA Pval: 0.572



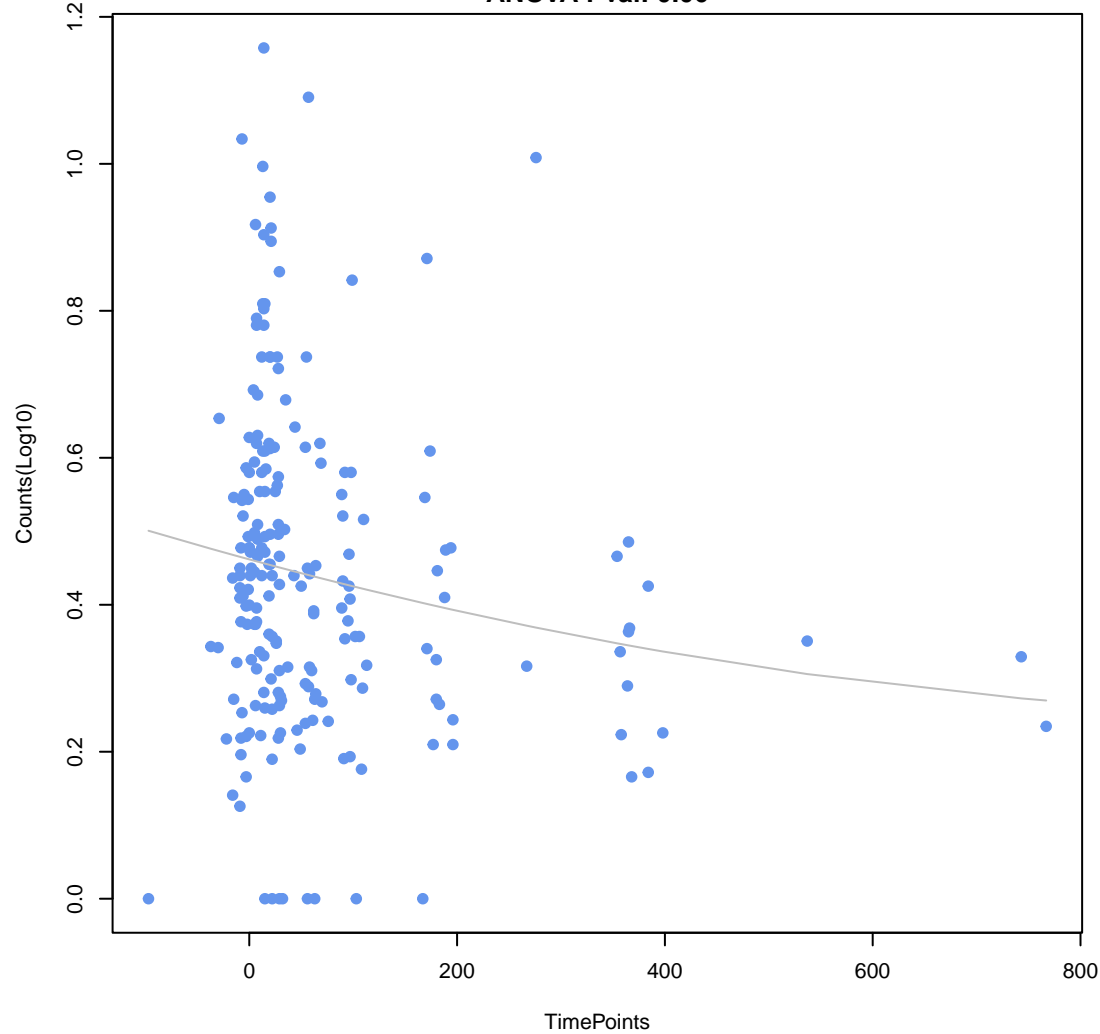
RGI
Escherichia coli acrA
ANOVA Pval: 0.593



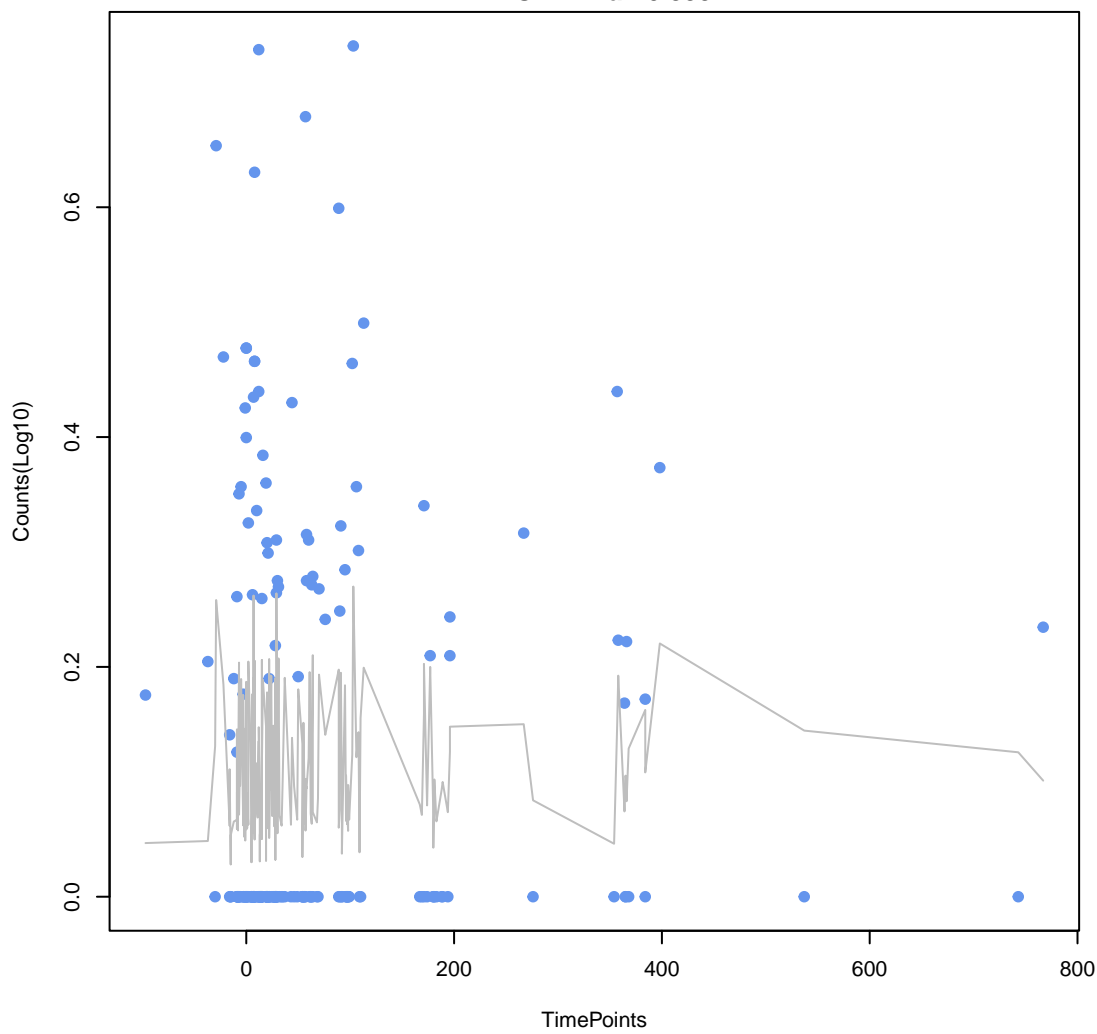
RGI
PDC-402
ANOVA Pval: 0.295



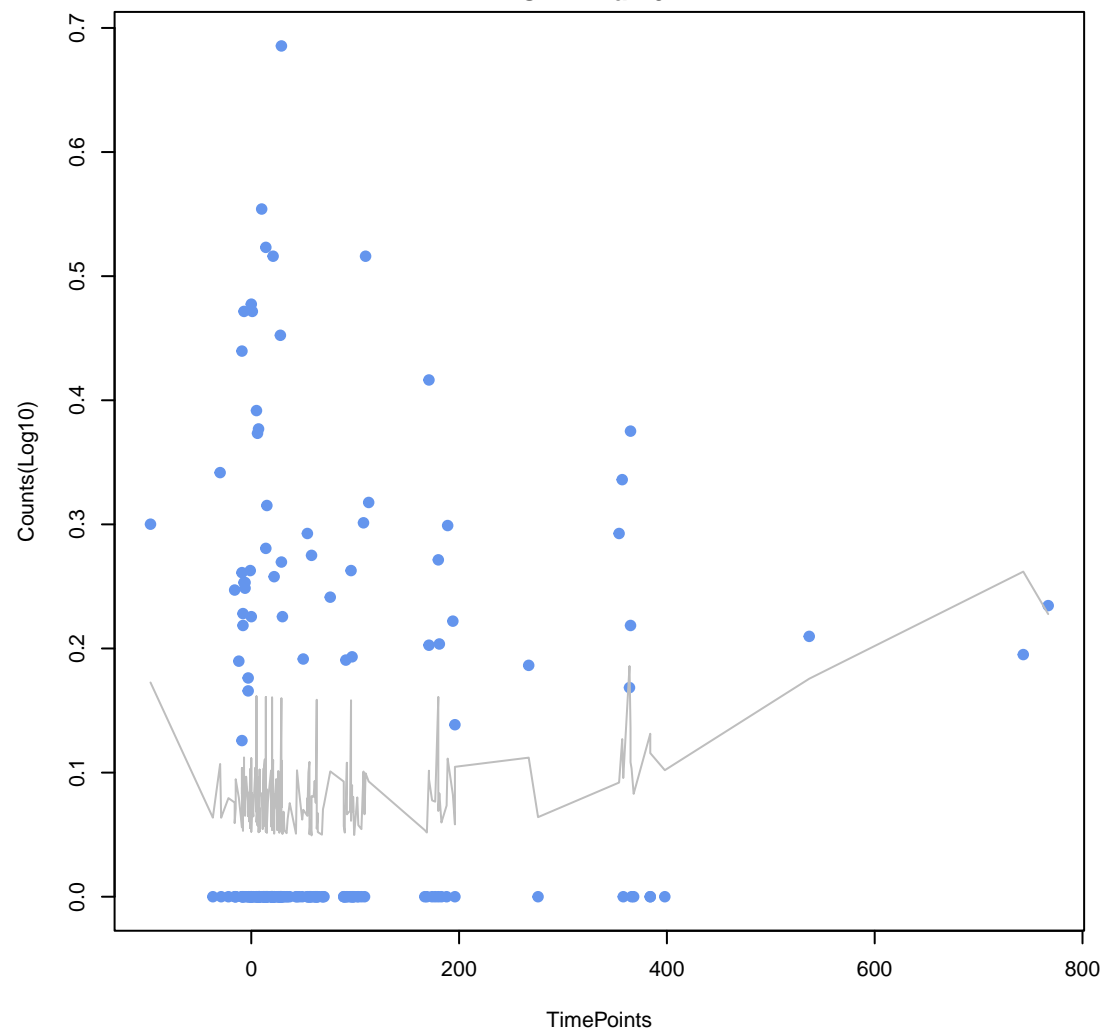
RGI
tet(W)
ANOVA Pval: 0.06



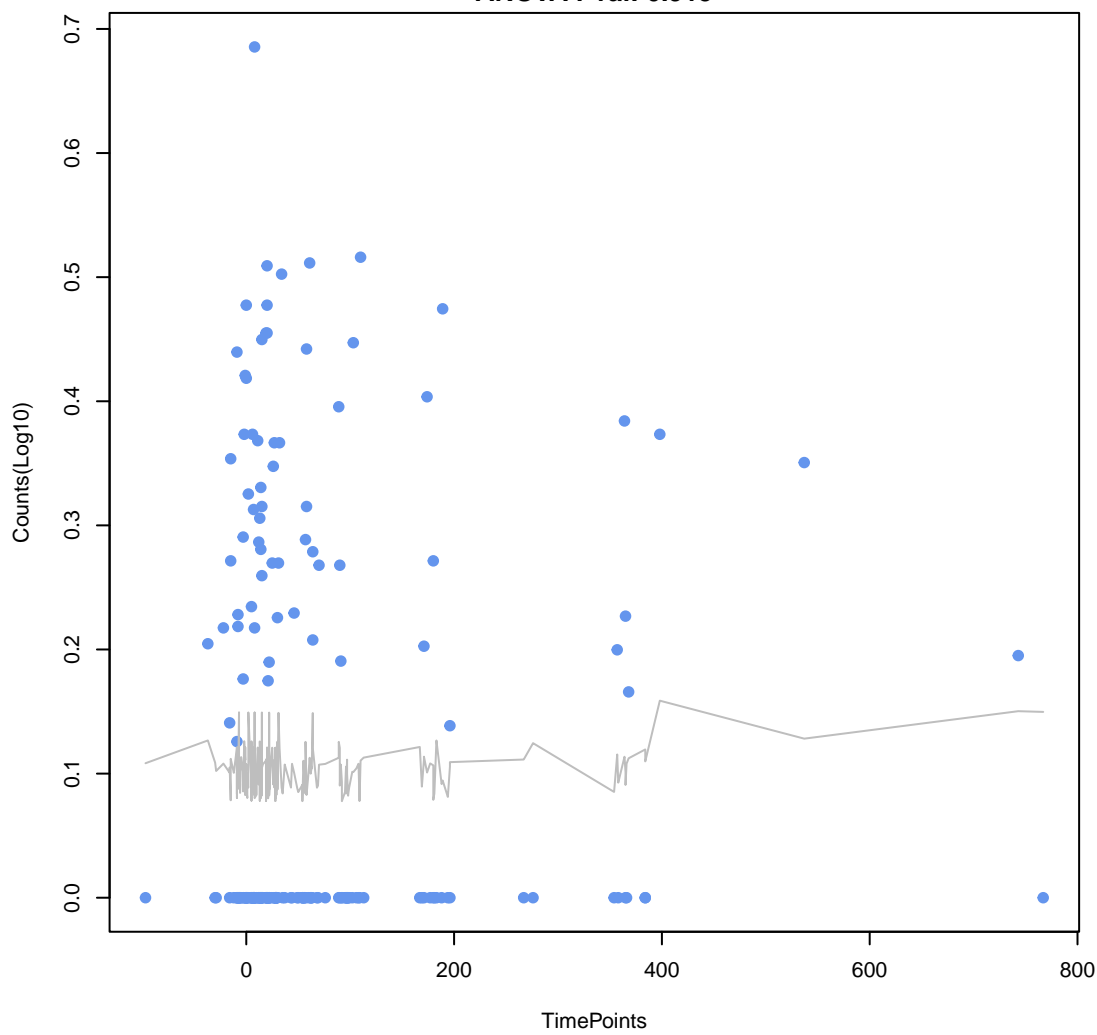
RGI
vanX gene in vanD cluster
ANOVA Pval: 0.899



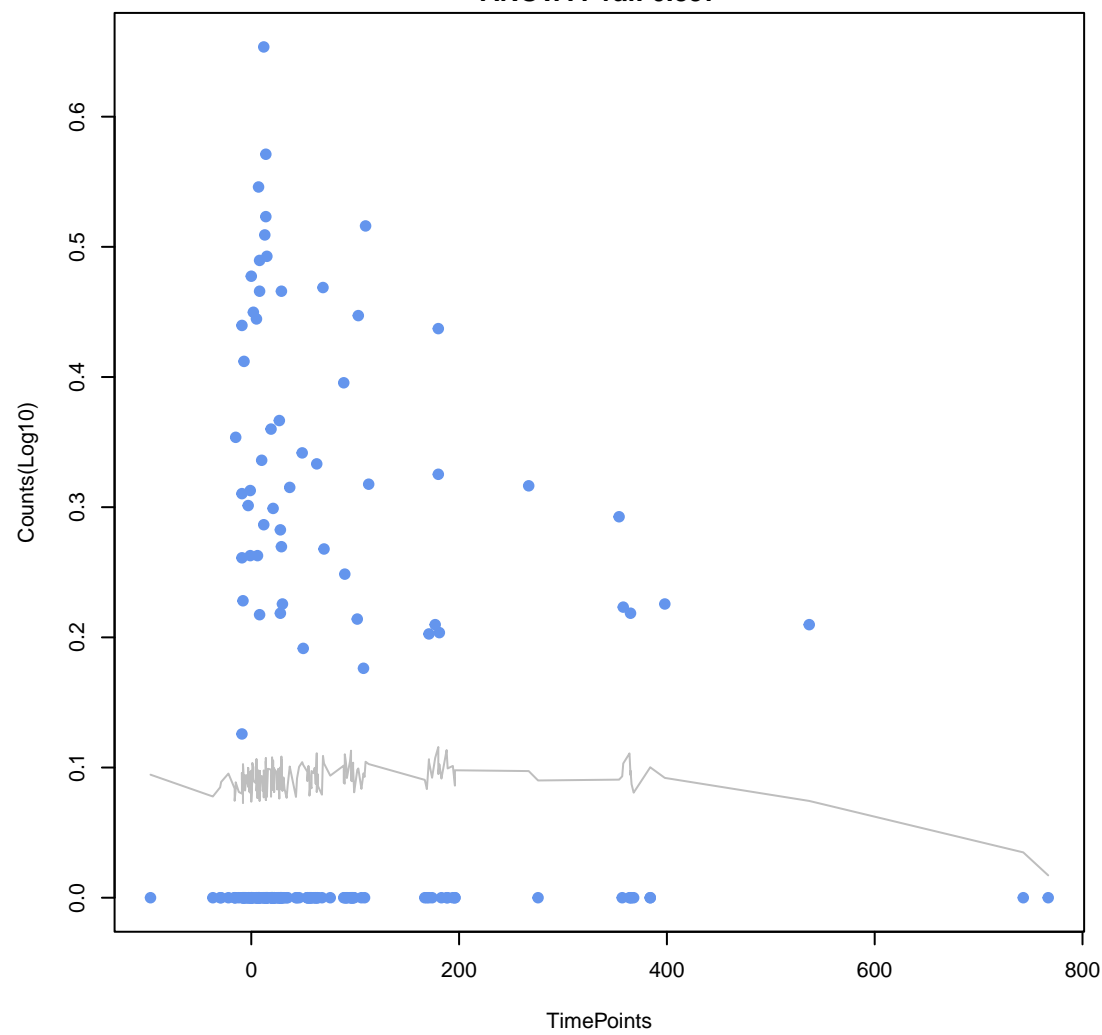
RGI
***Streptomyces rimosus* otr(A)**
ANOVA Pval: 0.214



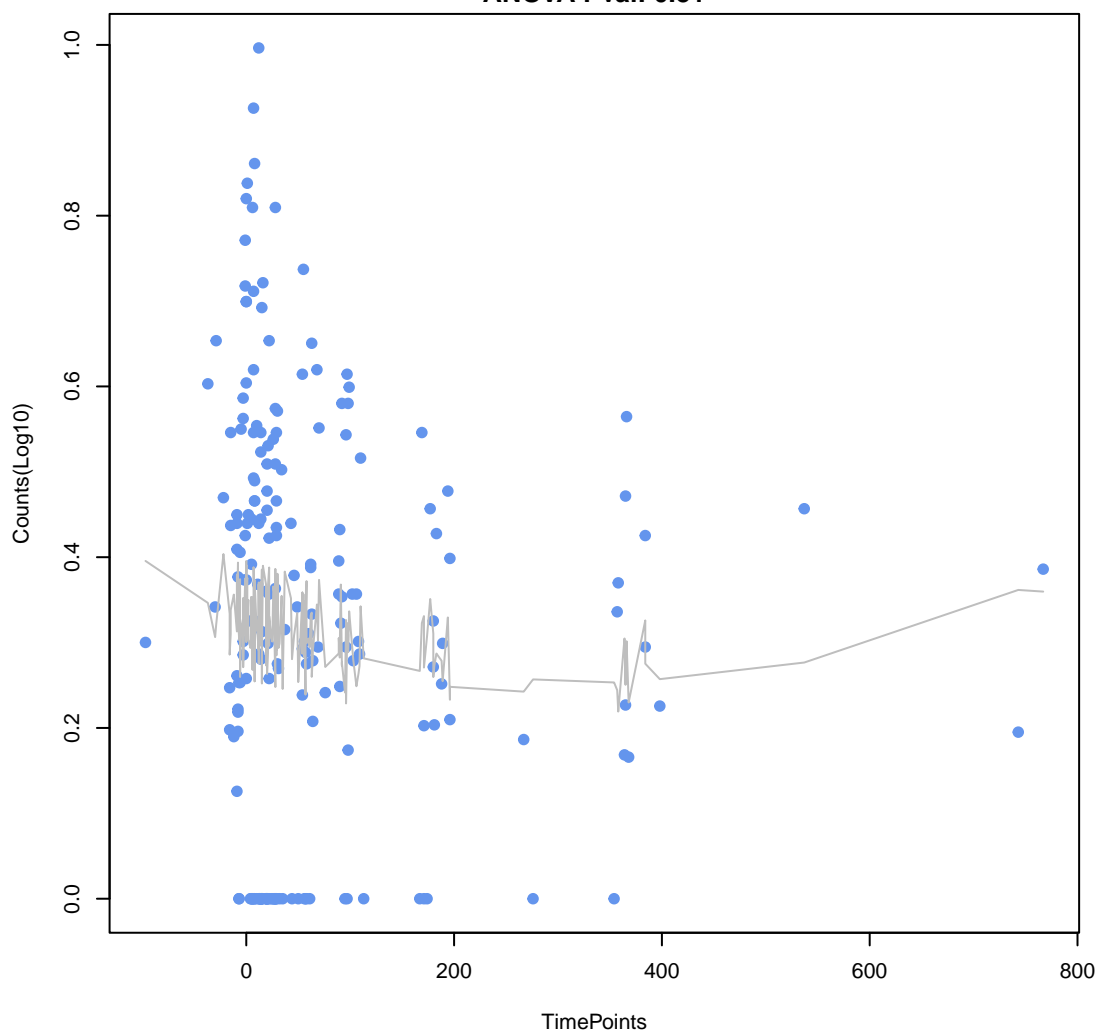
RGI
APH(3'')-Ib
ANOVA Pval: 0.915



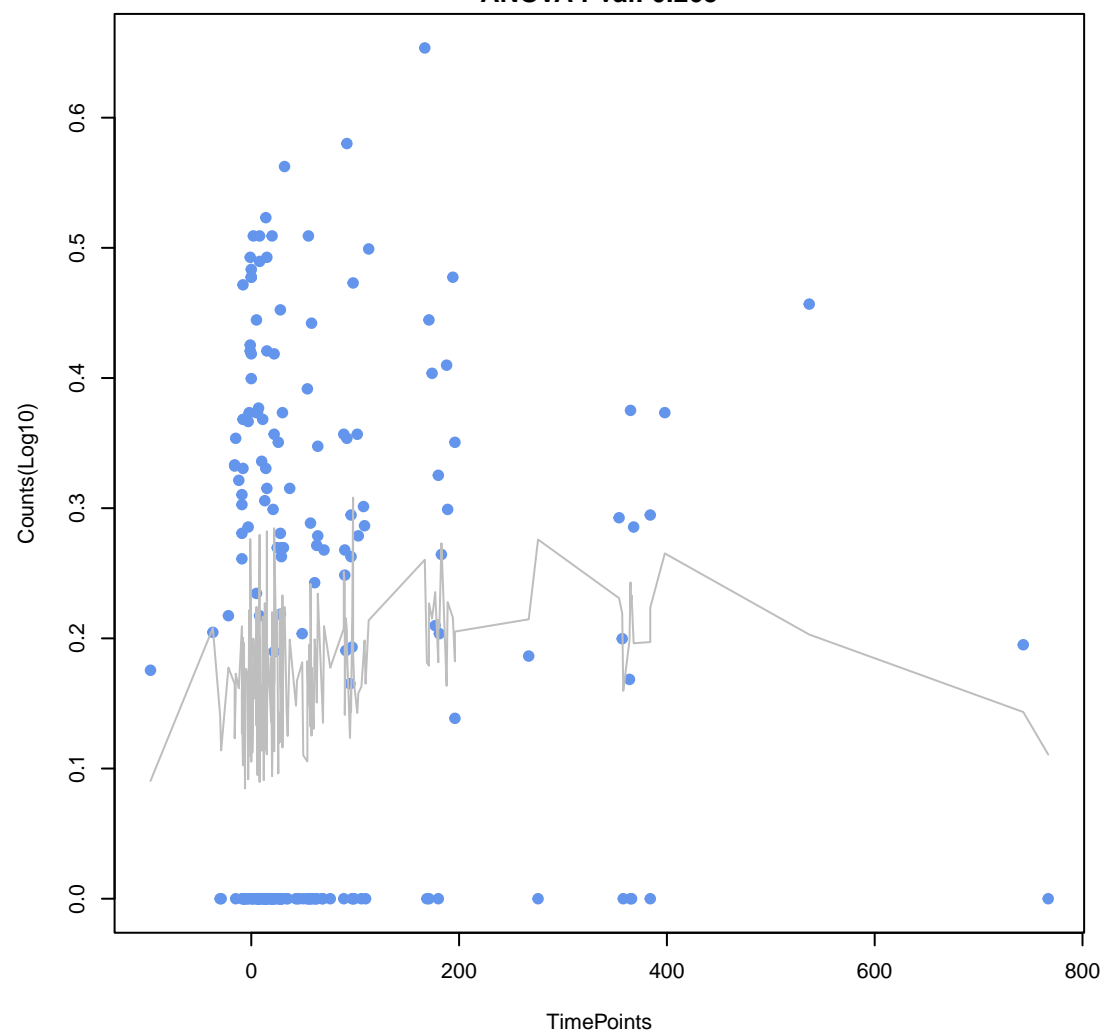
RGI
oleB
ANOVA Pval: 0.837



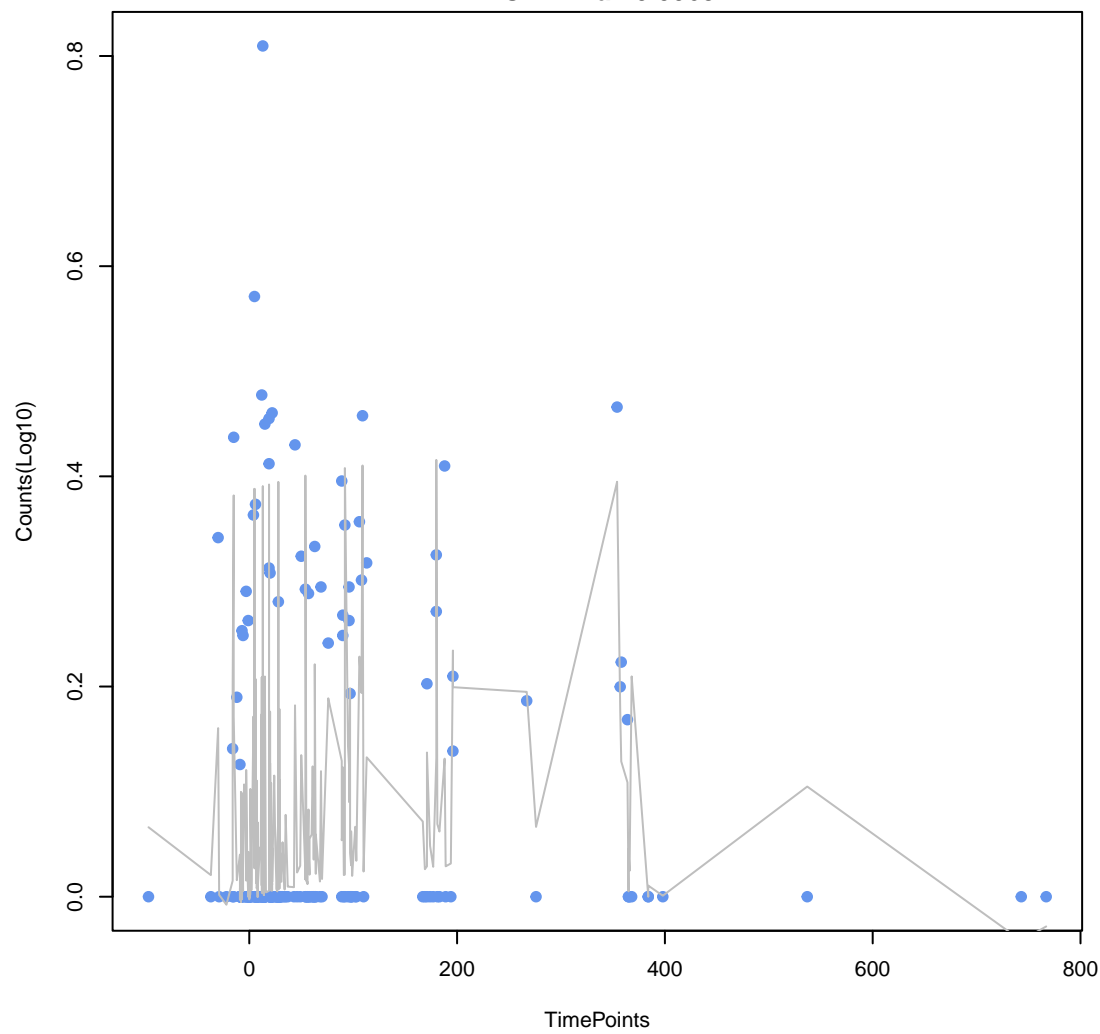
RGI
tetB(46)
ANOVA Pval: 0.51



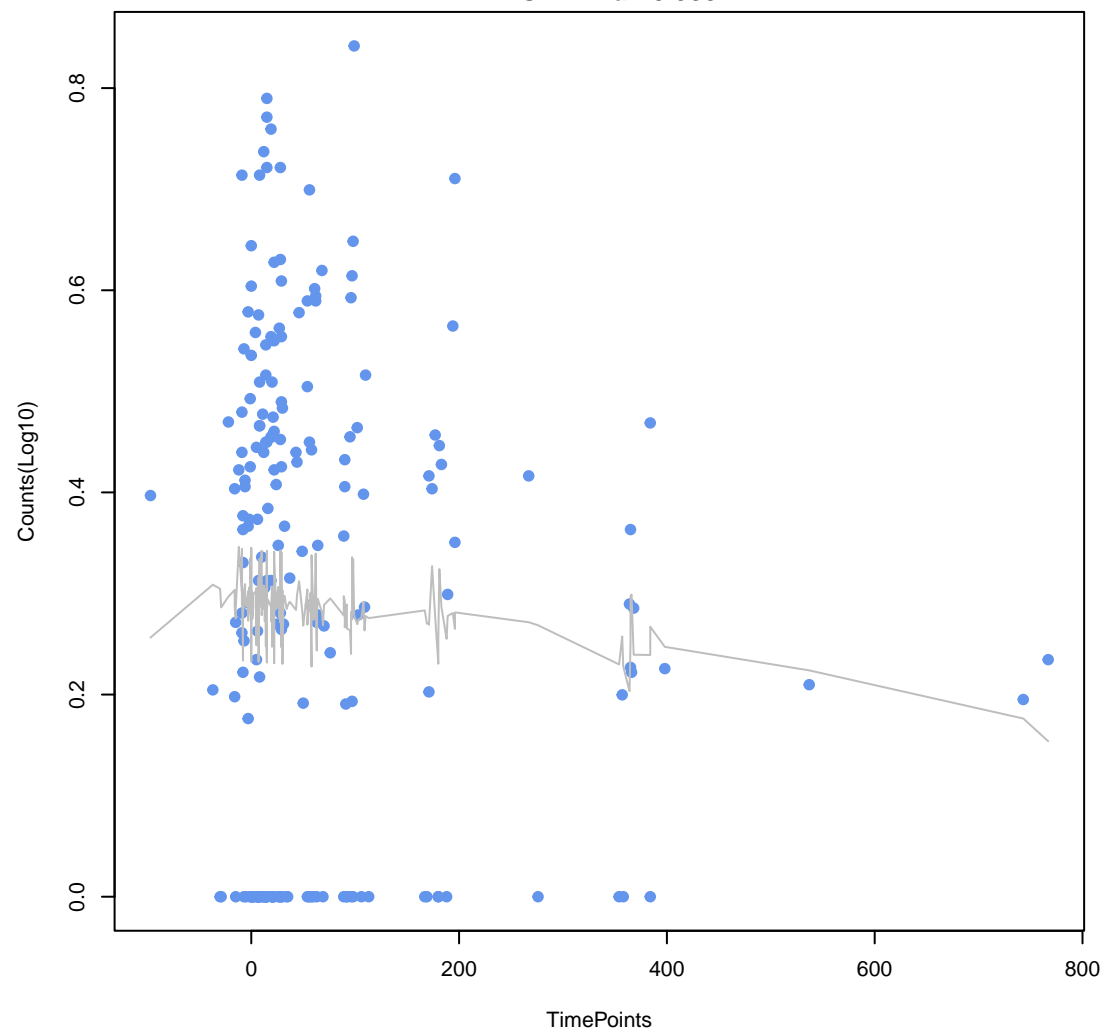
RGI
mdtG
ANOVA Pval: 0.265



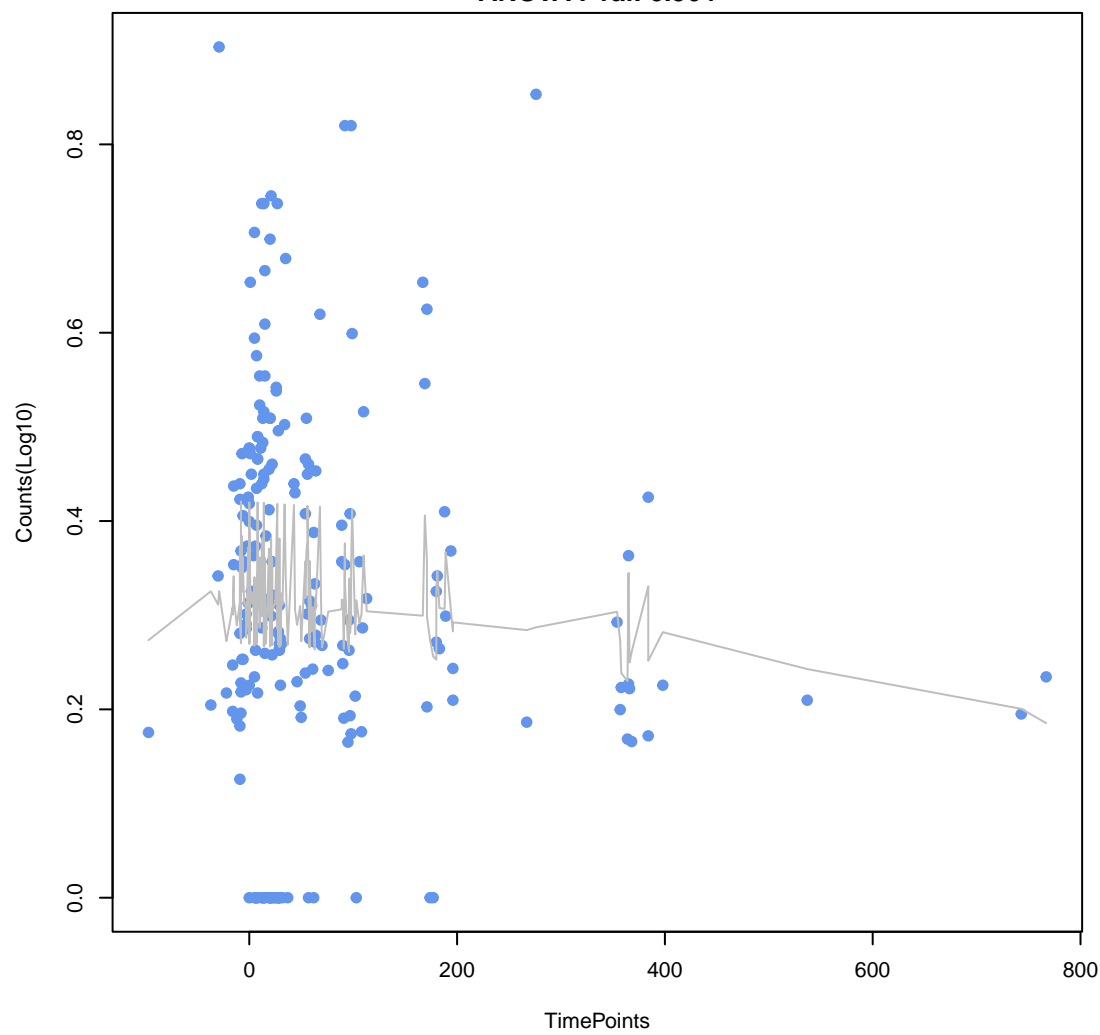
RGI
vanR gene in vanE cluster
ANOVA Pval: 0.00682



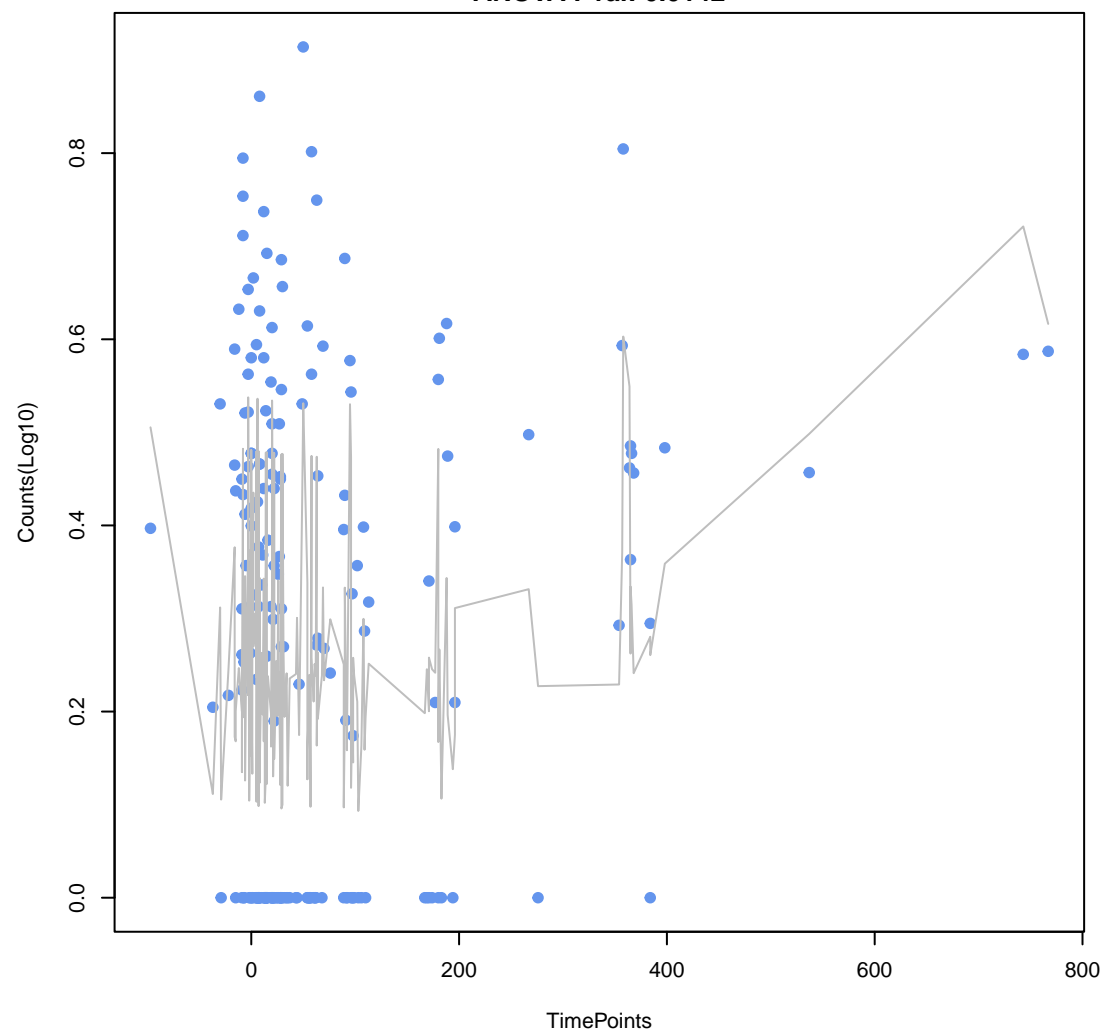
RGI
mdtC
ANOVA Pval: 0.585



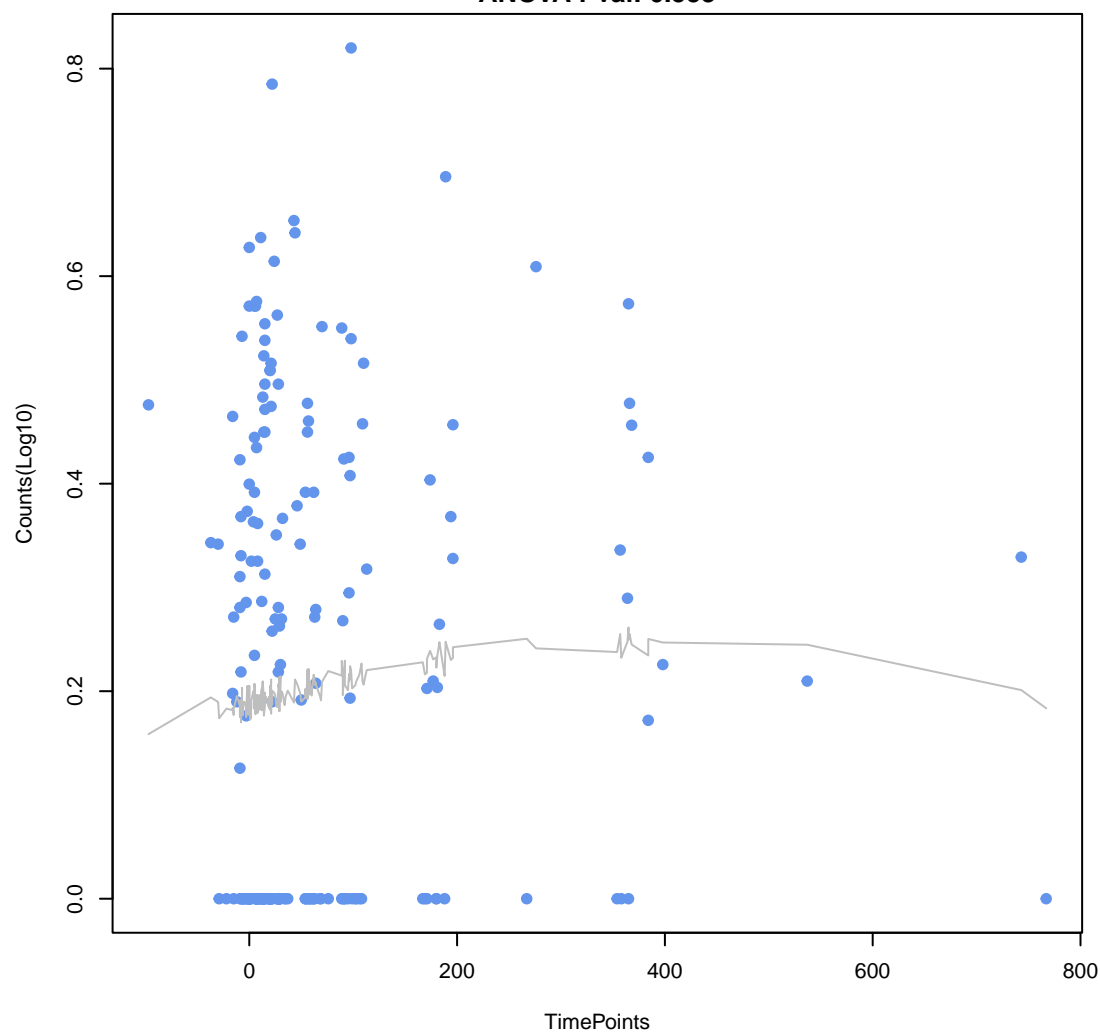
RGI
tet(40)
ANOVA Pval: 0.564



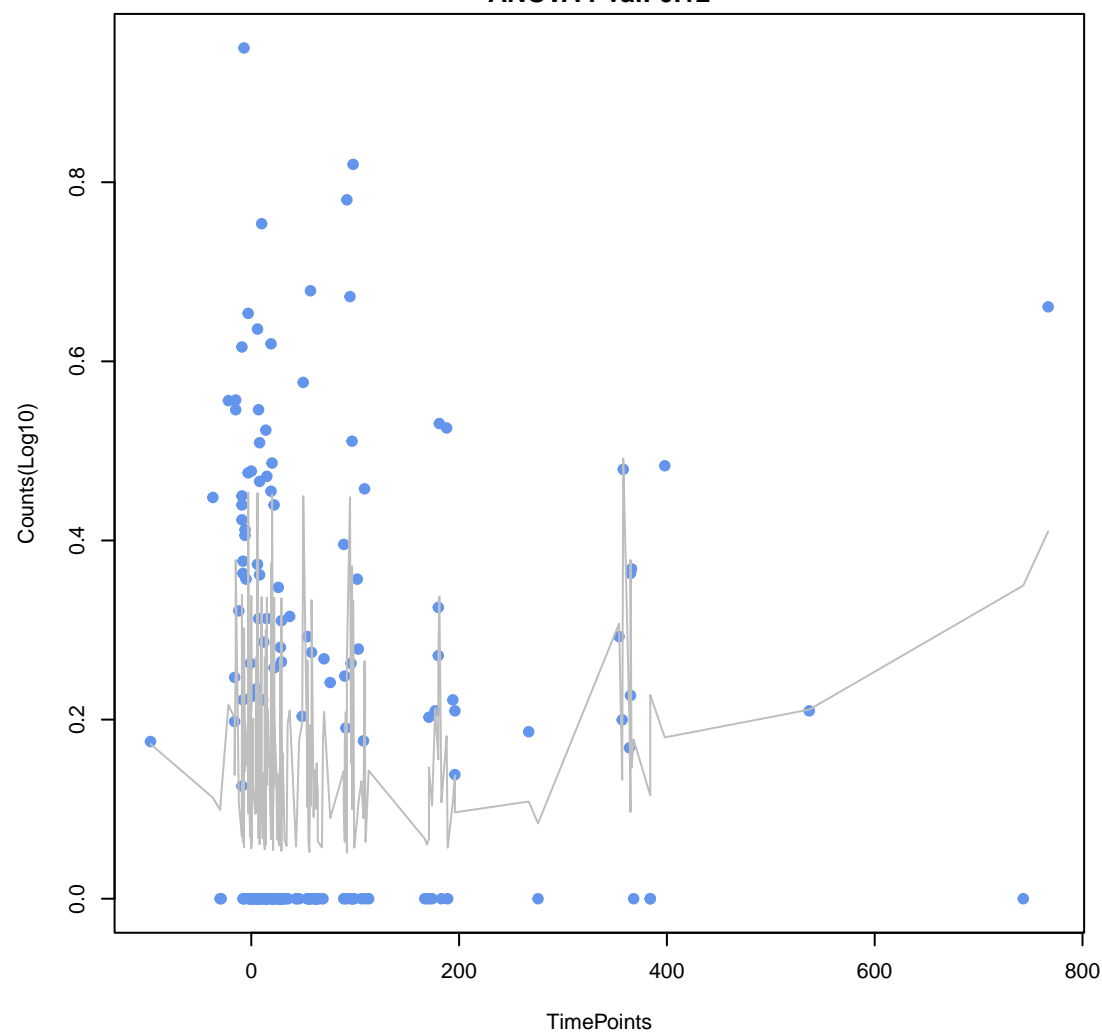
RGI
mefH
ANOVA Pval: 0.0142



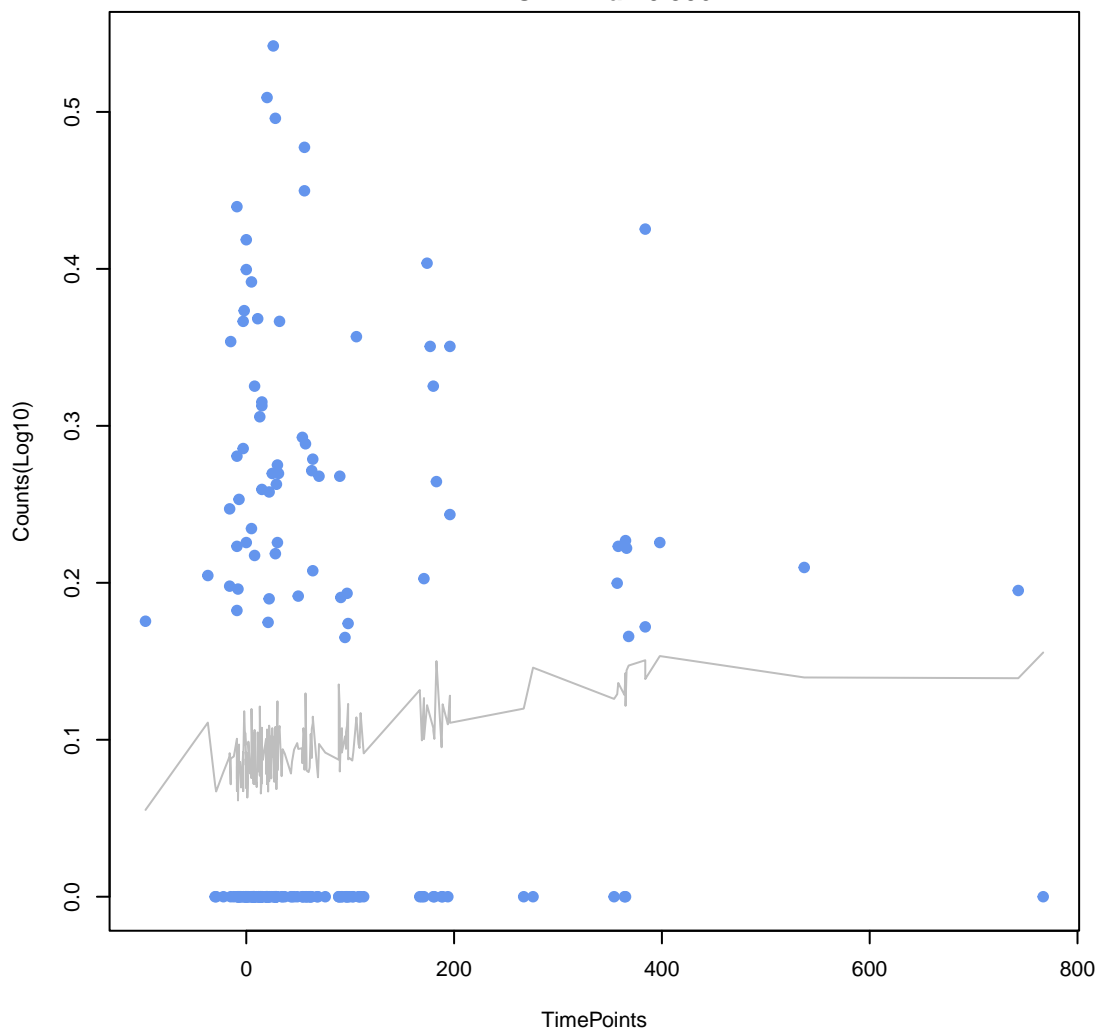
RGI
mdtO
ANOVA Pval: 0.553



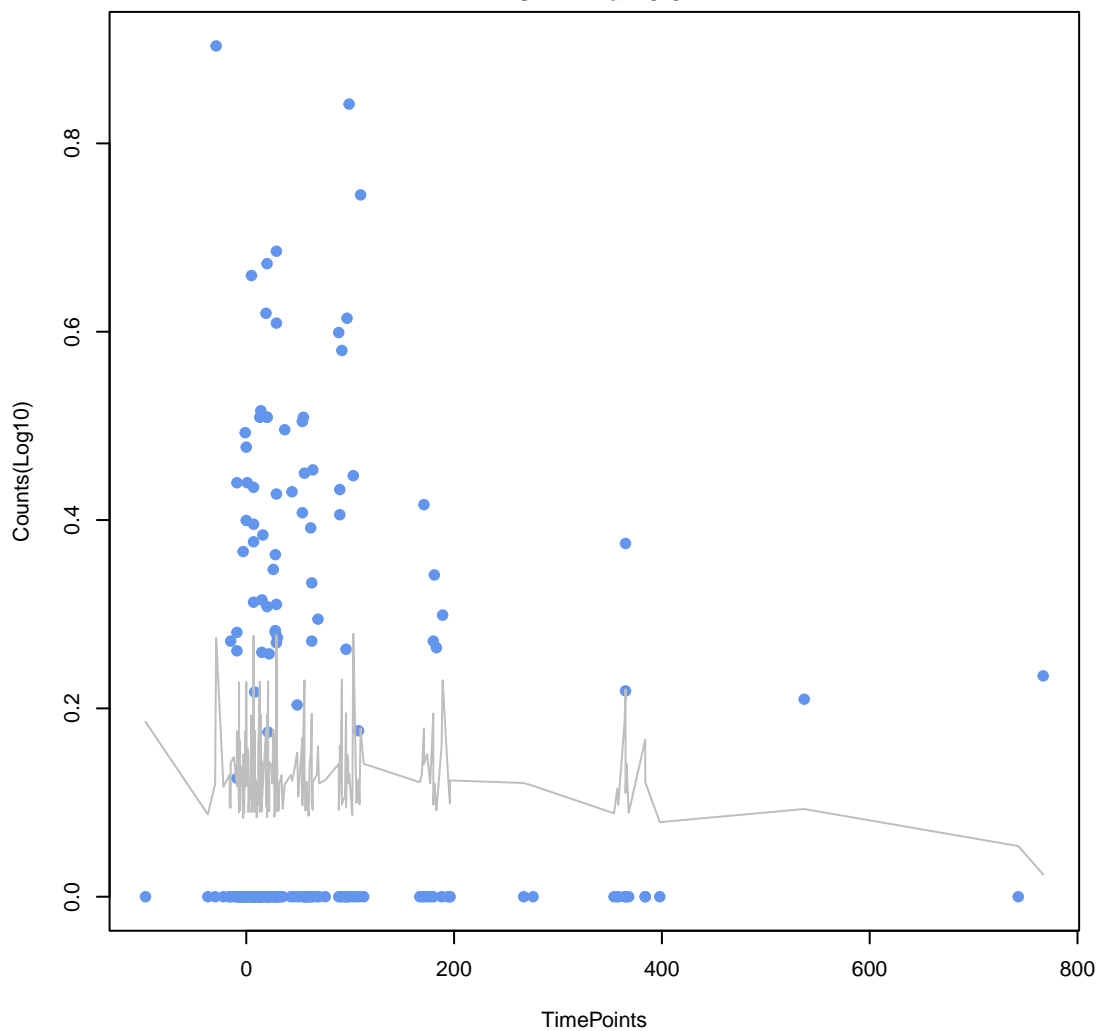
RGI
APH(6)-lc
ANOVA Pval: 0.12



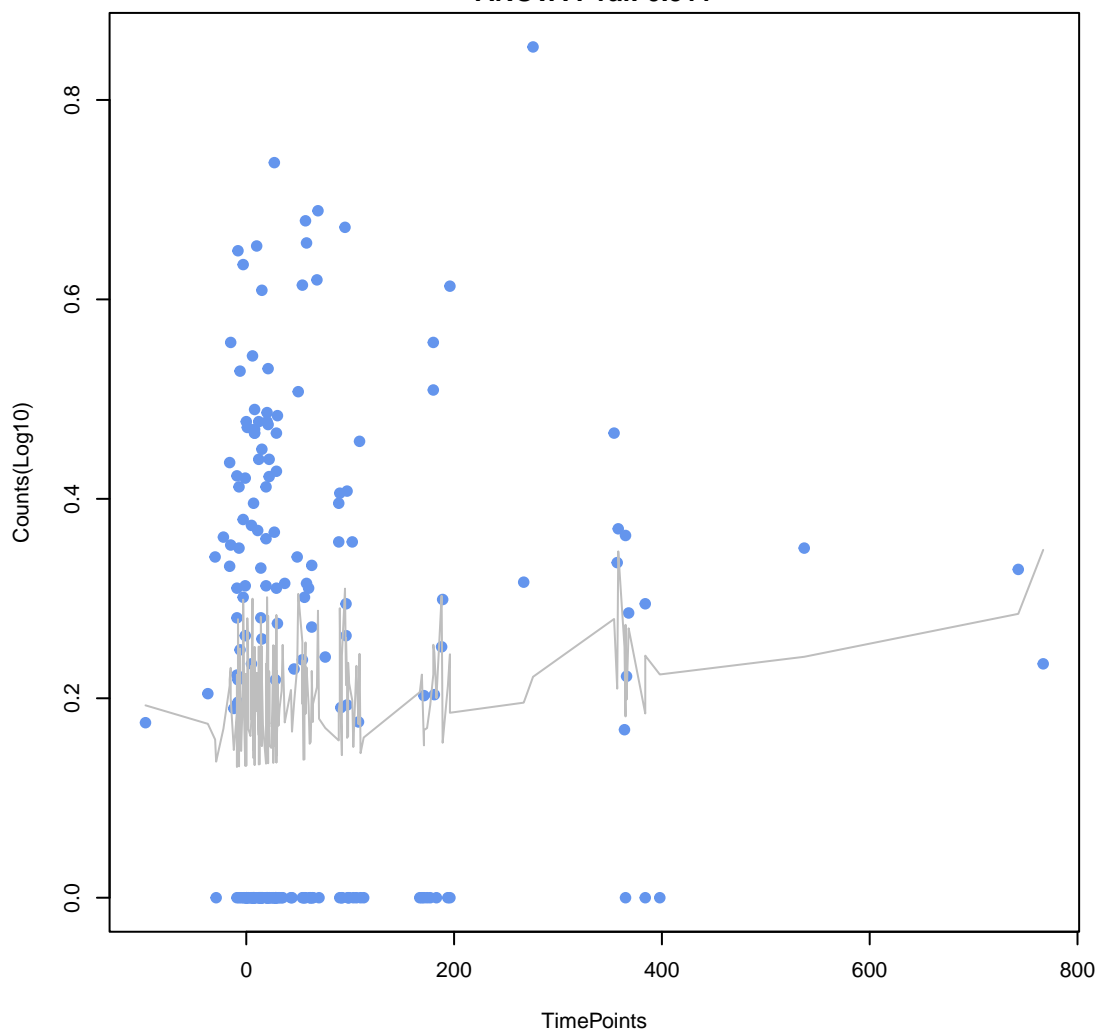
RGI
AcrS
ANOVA Pval: 0.306



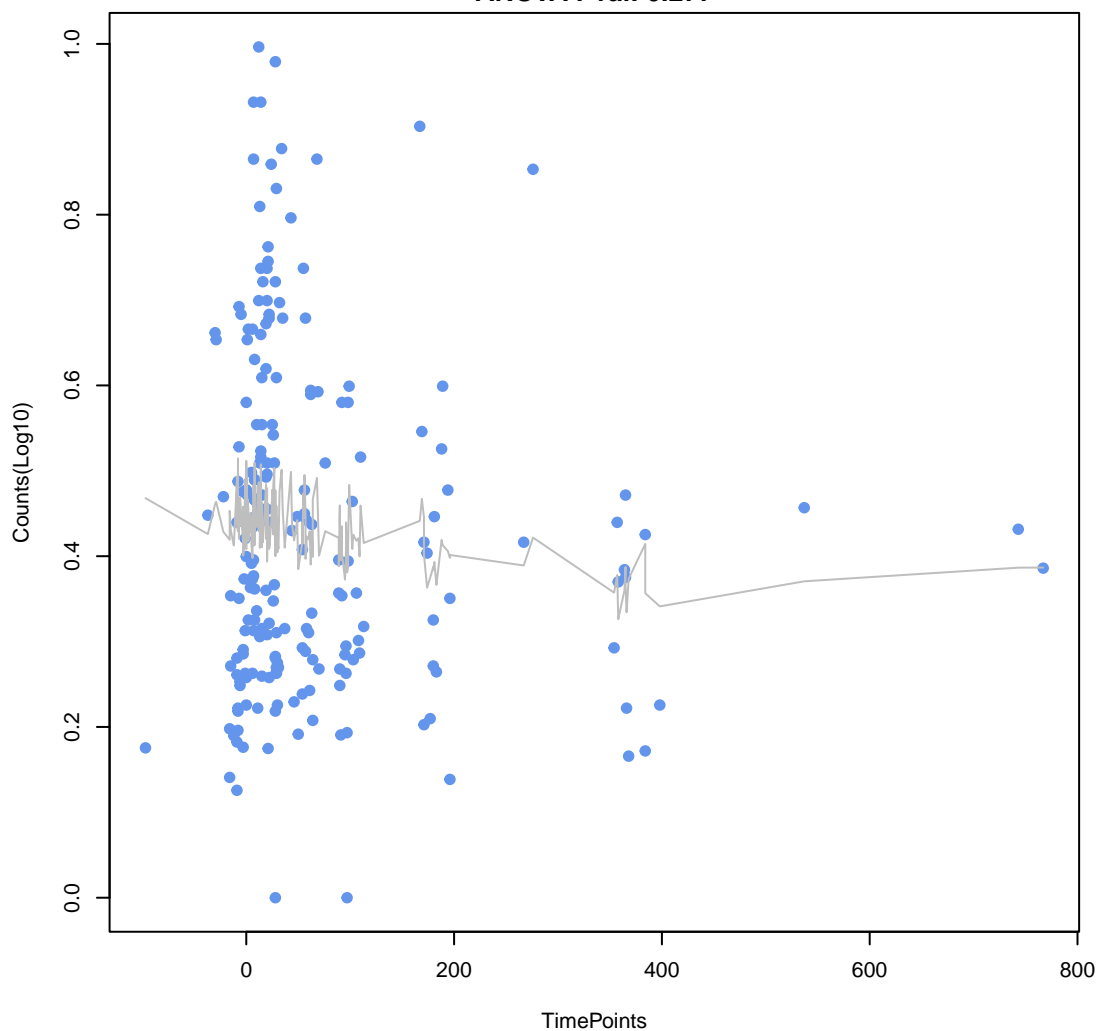
RGI
tetB(60)
ANOVA Pval: 0.872



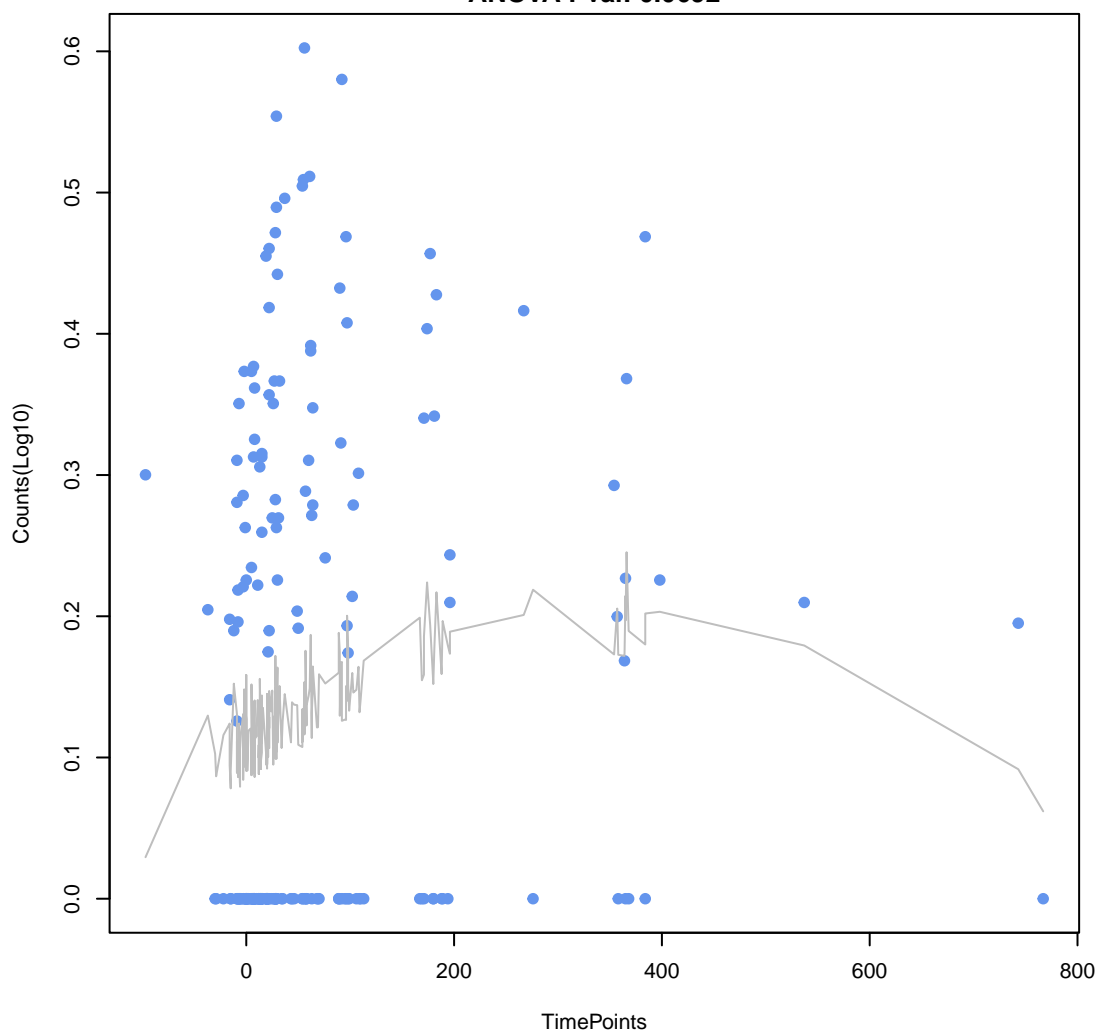
RGI
chrB
ANOVA Pval: 0.511



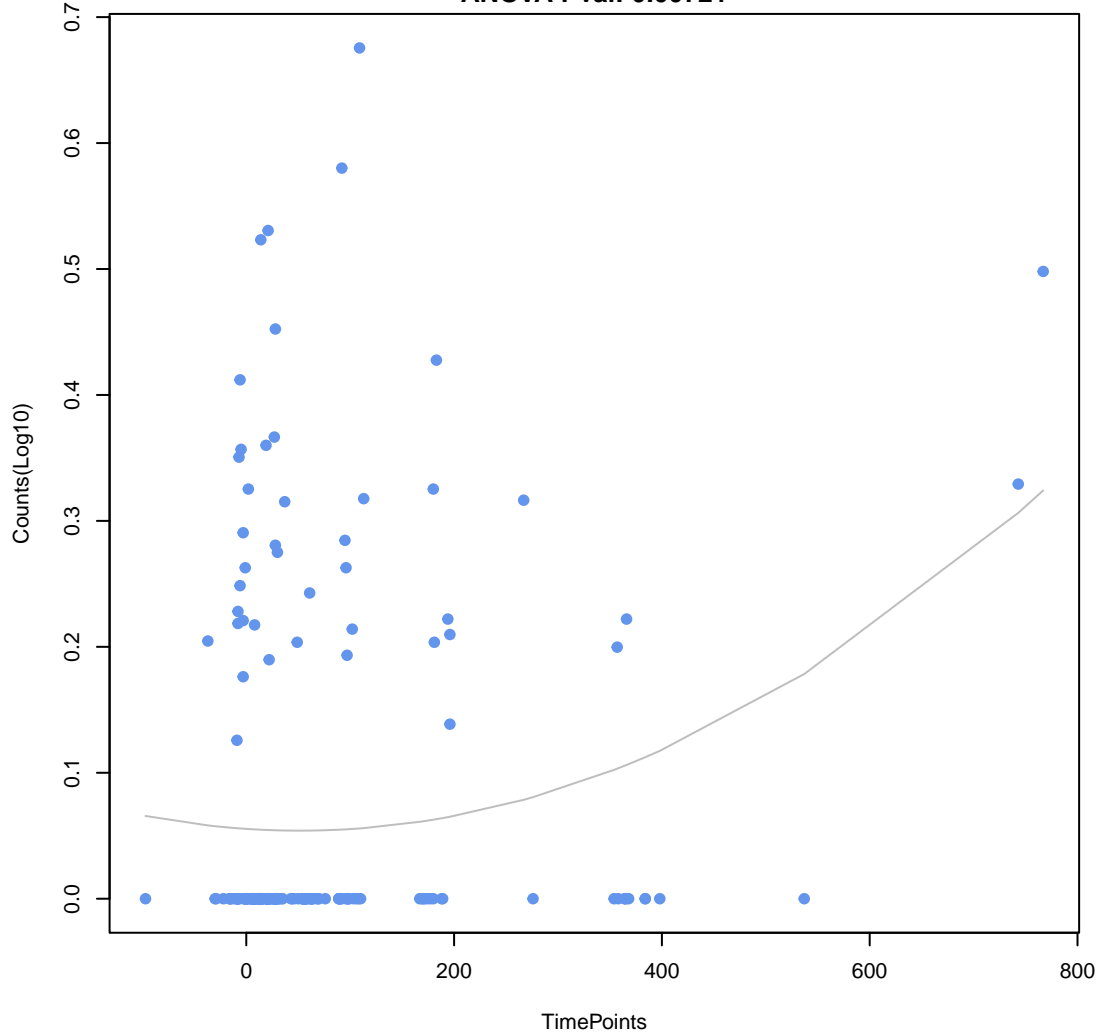
RGI
tet(O)
ANOVA Pval: 0.277



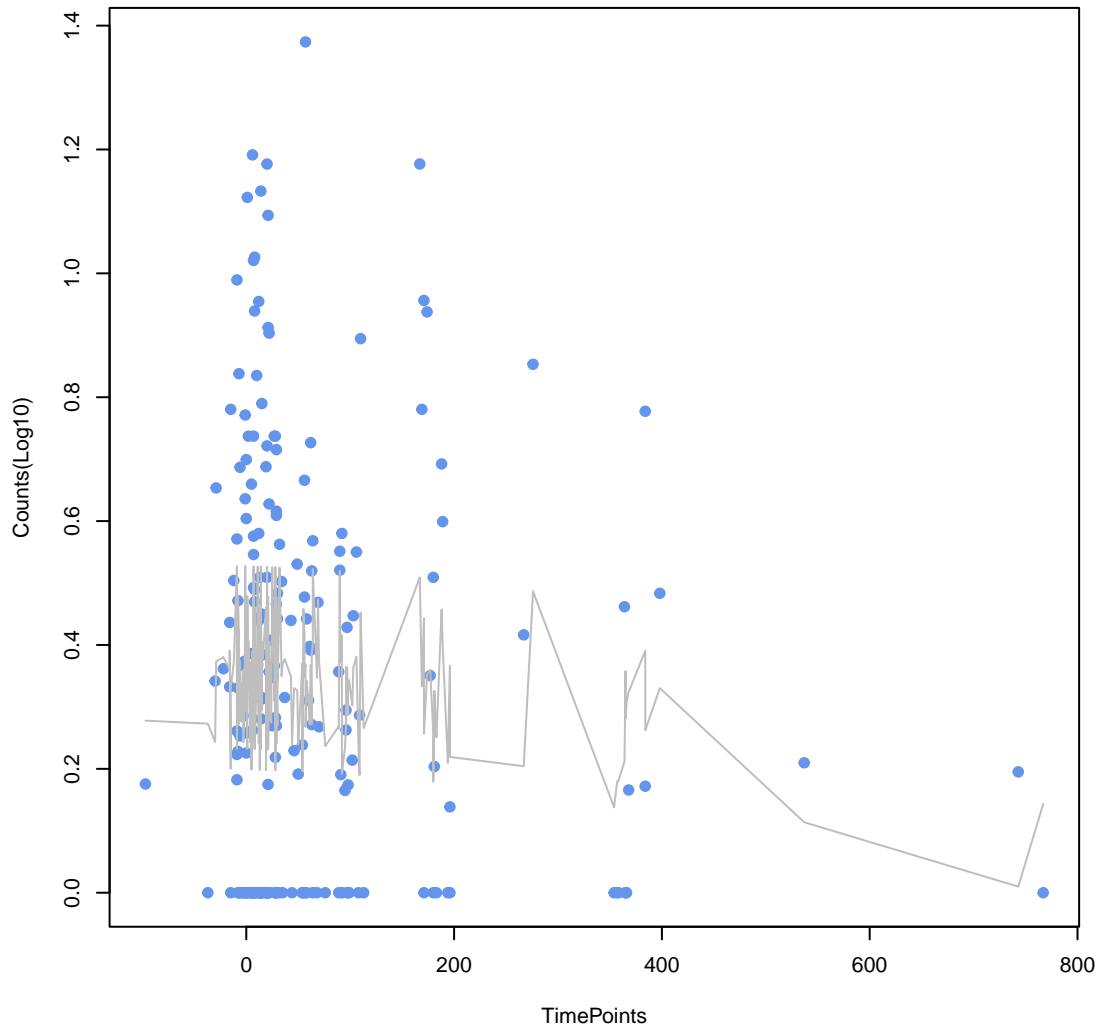
RGI
emrB
ANOVA Pval: 0.0692



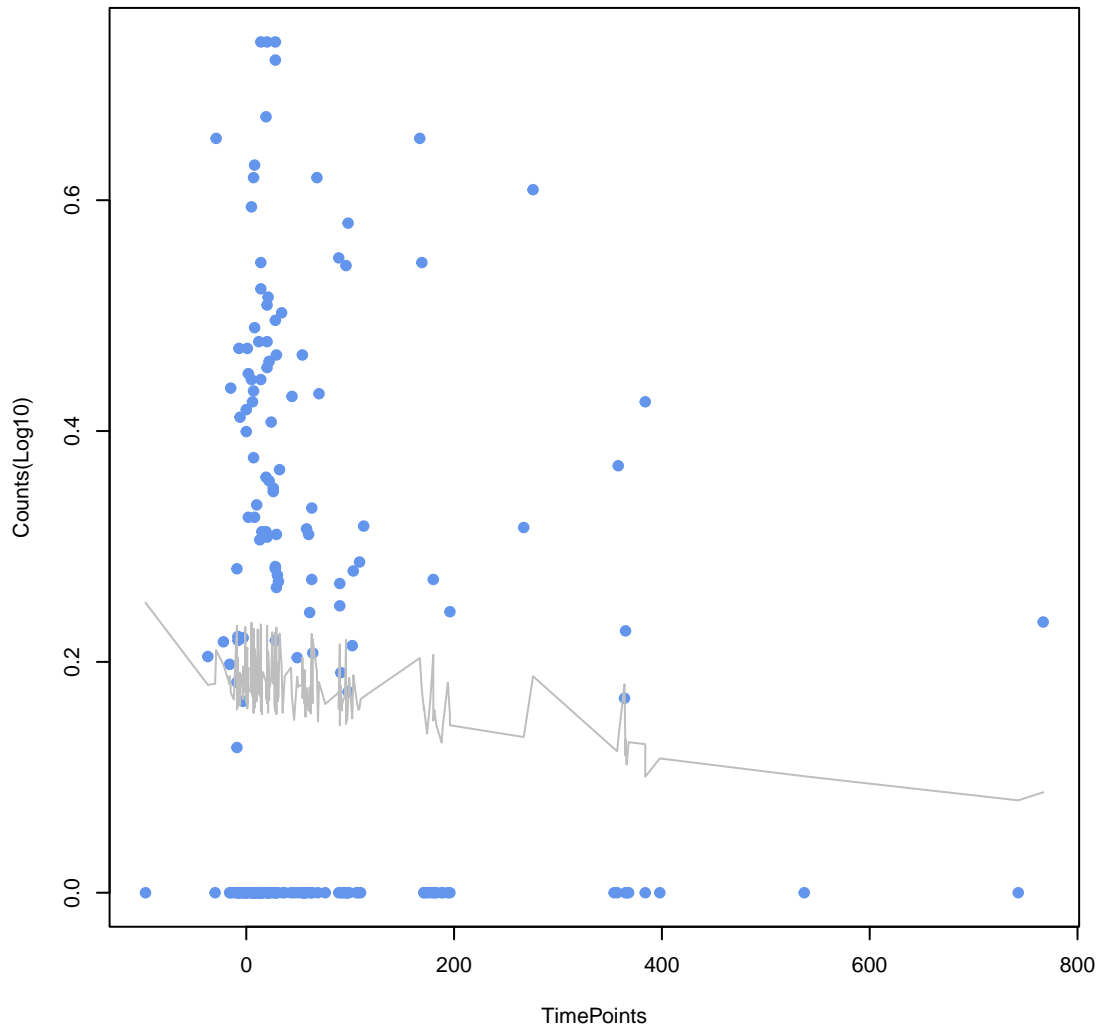
RGI
adeA
ANOVA Pval: 0.00721



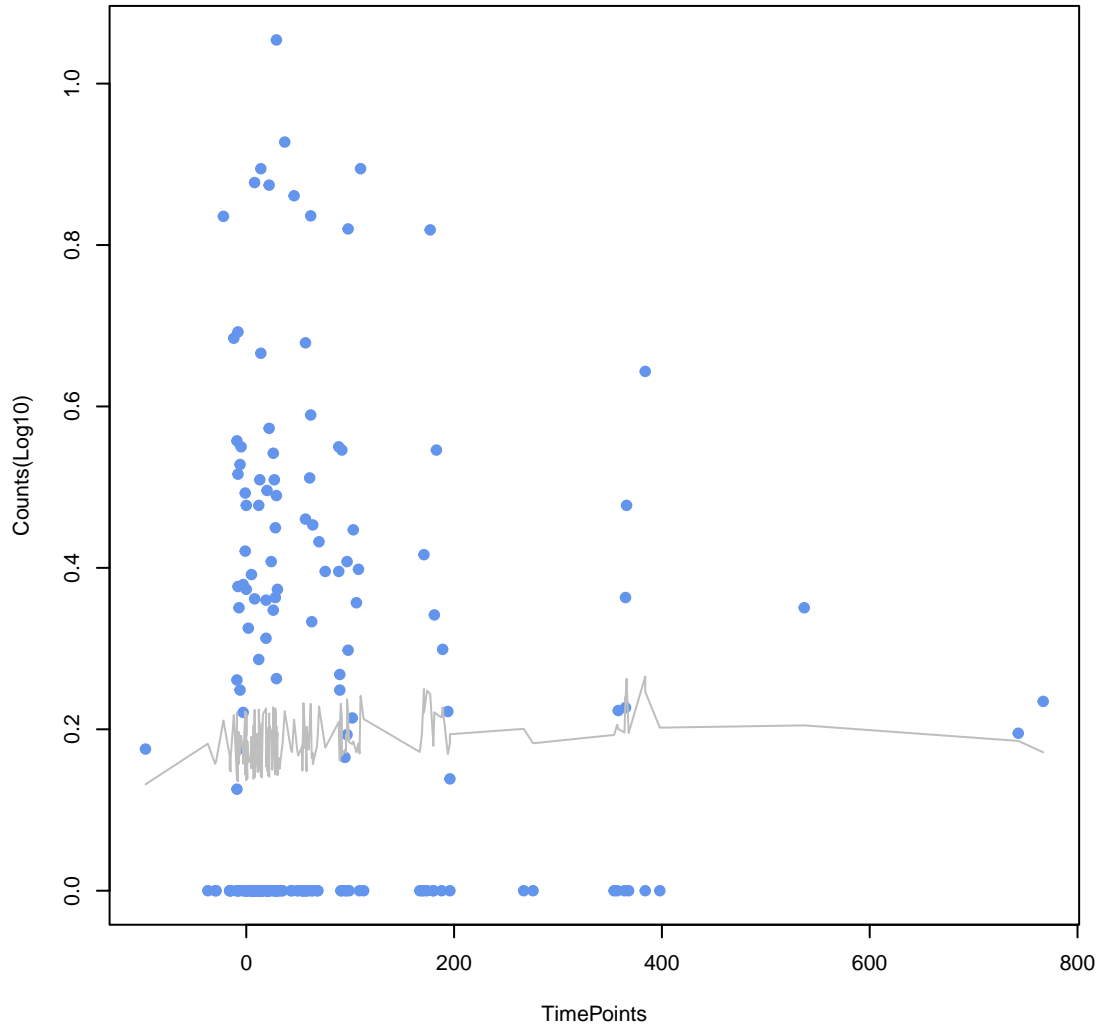
RGI
ImrD
ANOVA Pval: 0.439



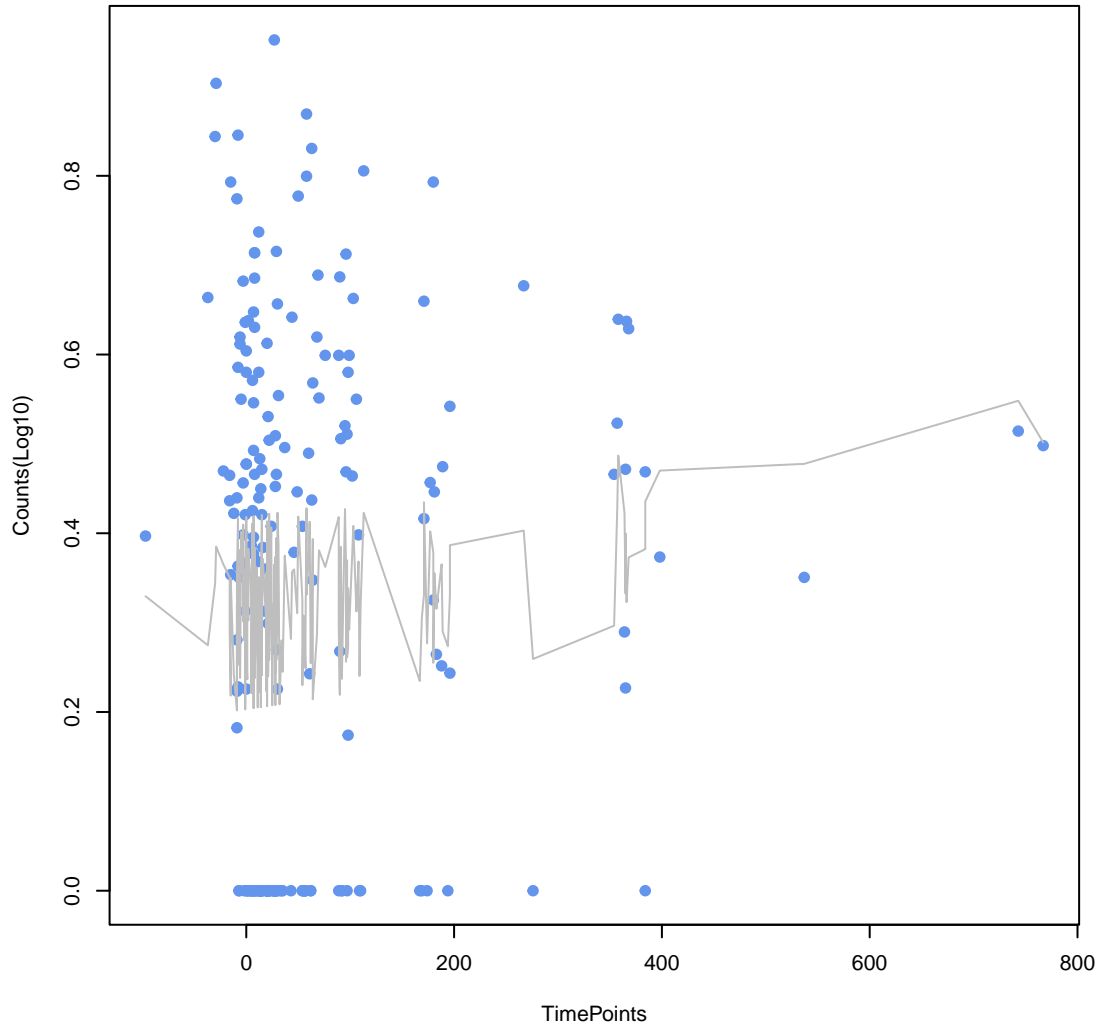
RGI
vanX gene in vanA cluster
ANOVA Pval: 0.533



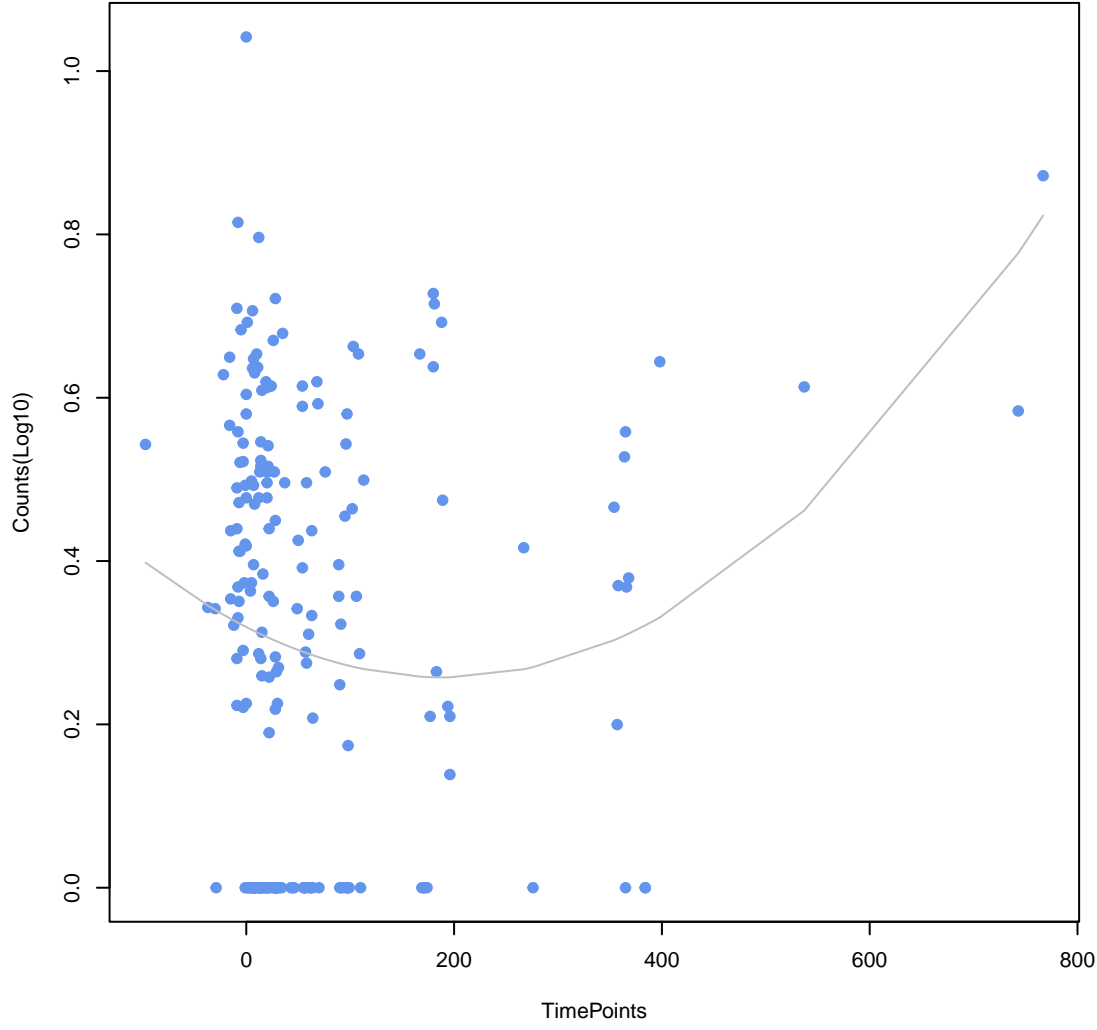
RGI
oqxB
ANOVA Pval: 0.792



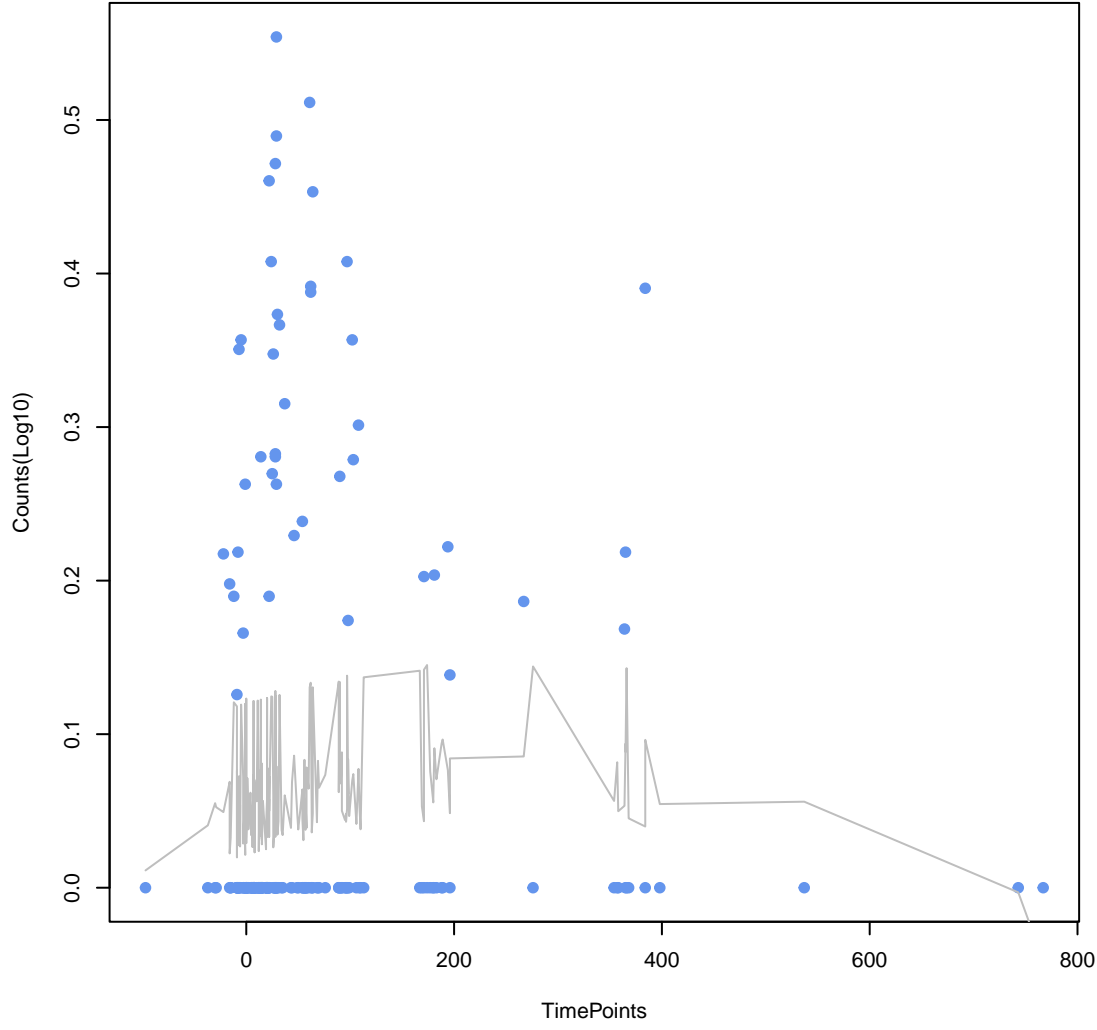
RGI
vanI
ANOVA Pval: 0.335



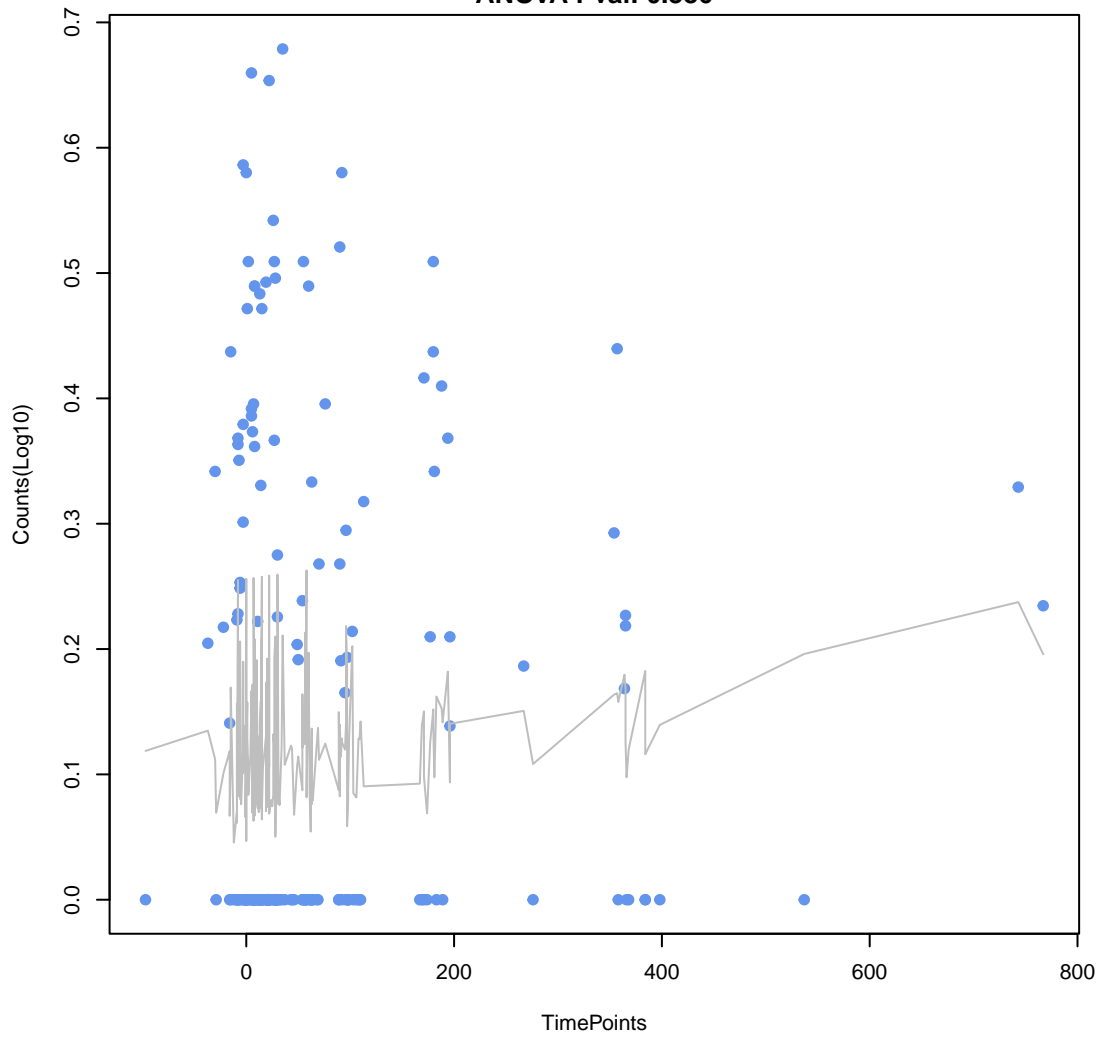
RGI
BlaB-16
ANOVA Pval: 0.00978



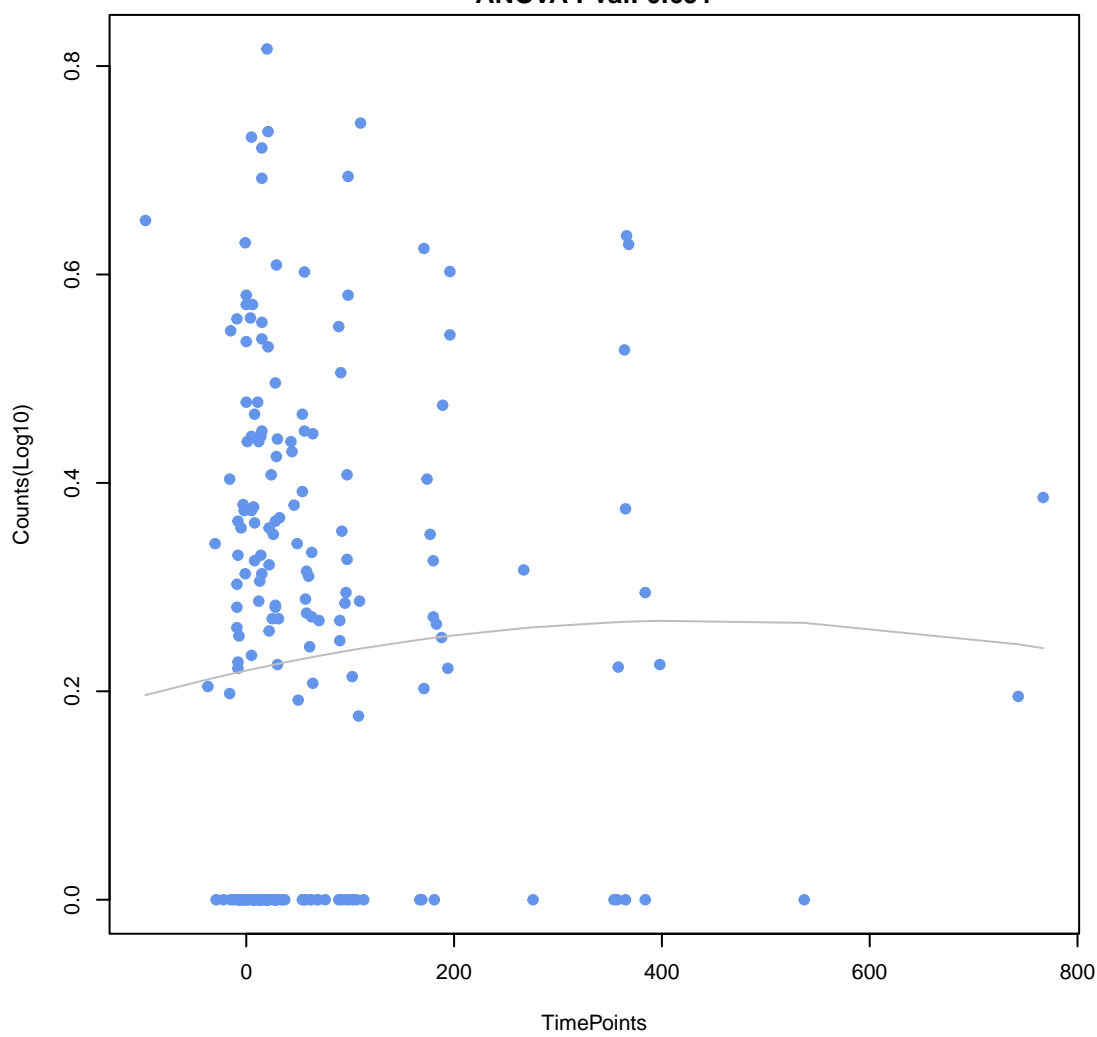
RGI
Escherichia coli UhpT with mutation conferring resistance to fosfomycin
ANOVA Pval: 0.465



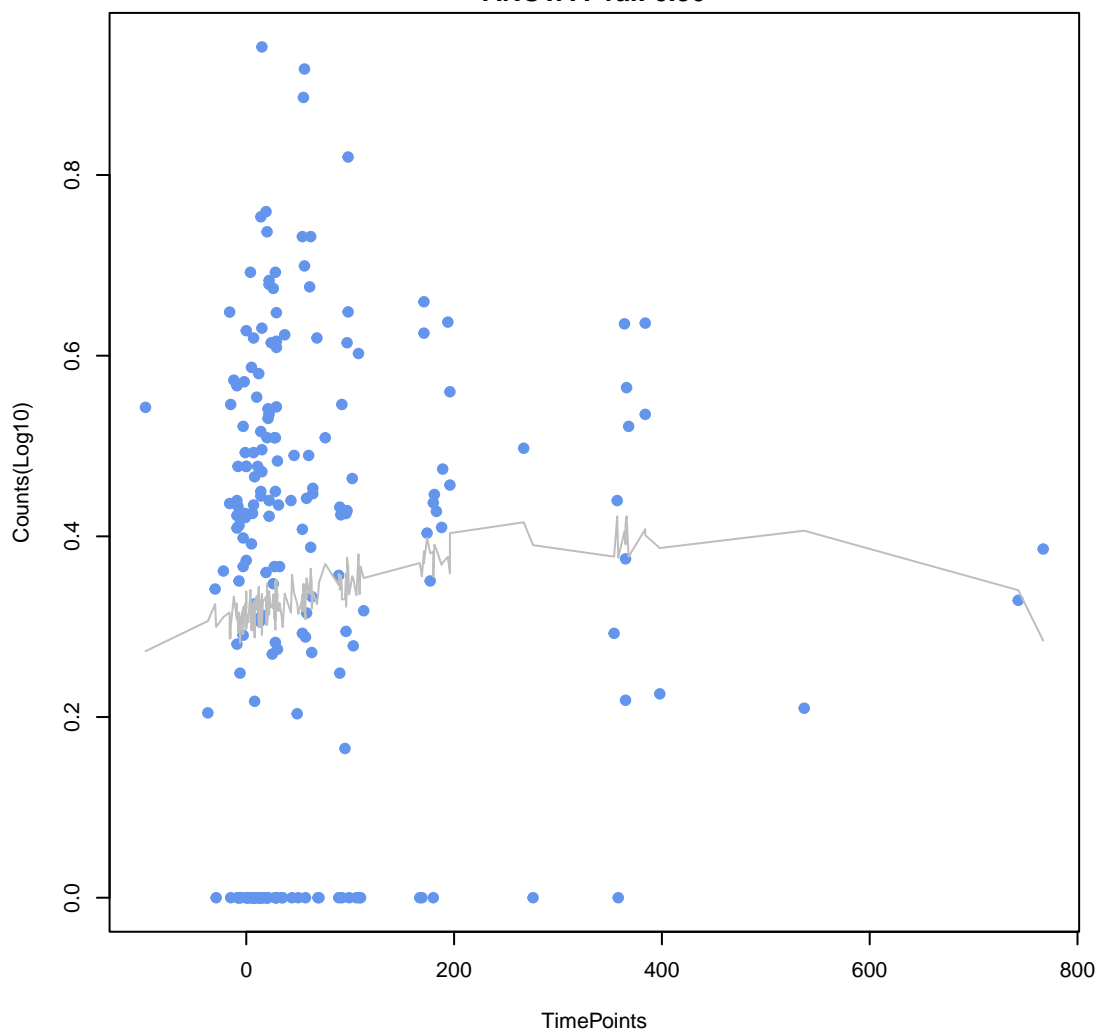
RGI
tet(W/32/O)
ANOVA Pval: 0.386



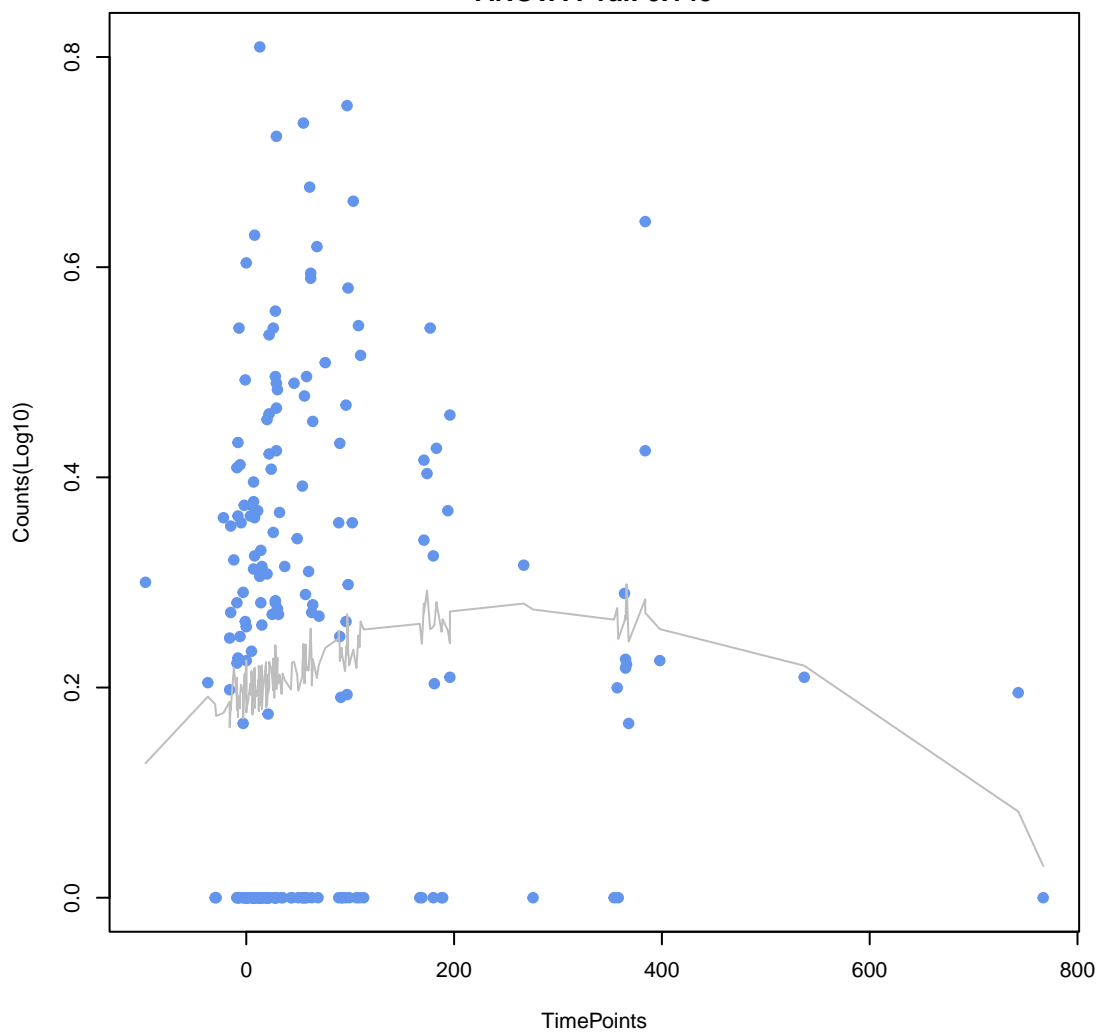
RGI
AcrF
ANOVA Pval: 0.691



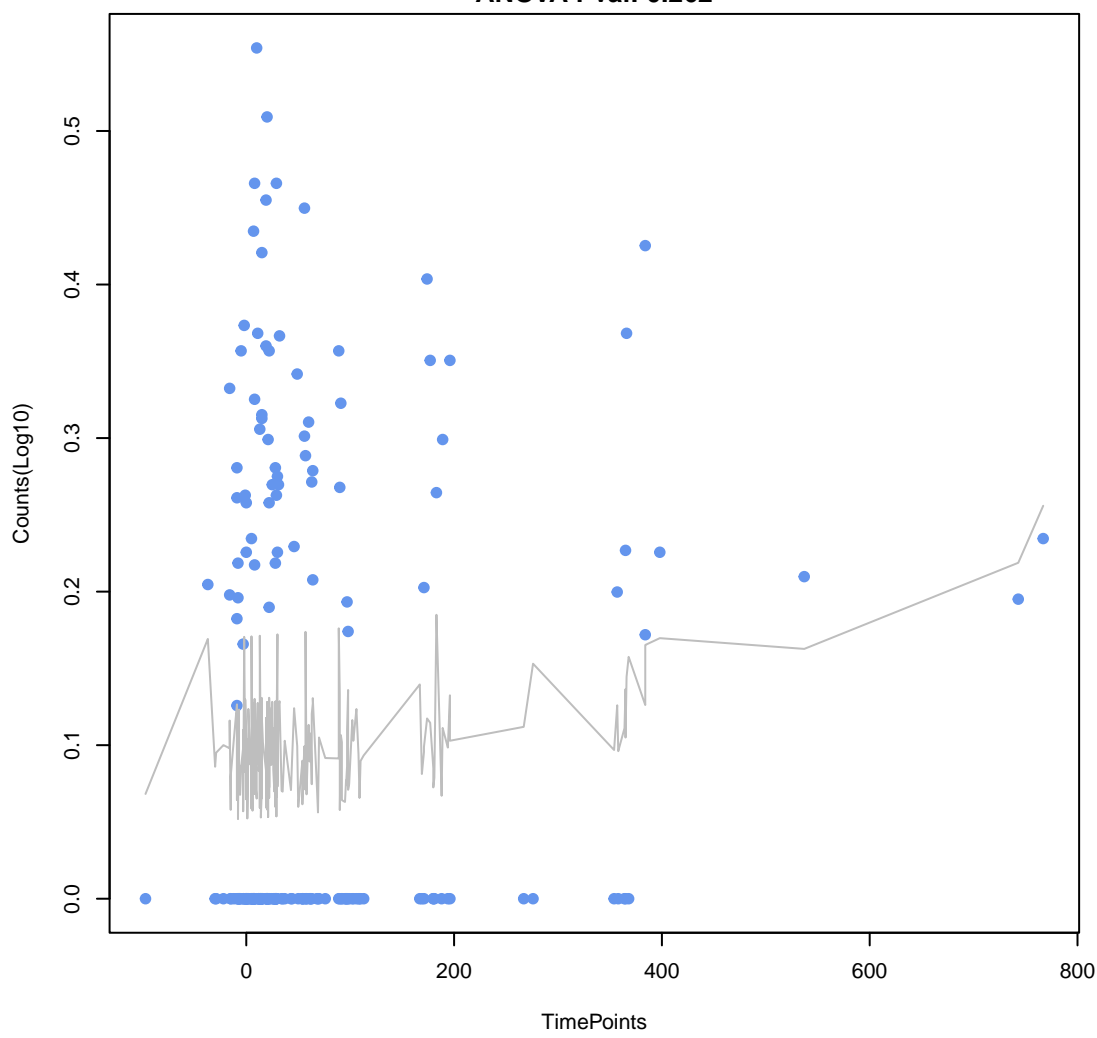
RGI
acrD
ANOVA Pval: 0.36



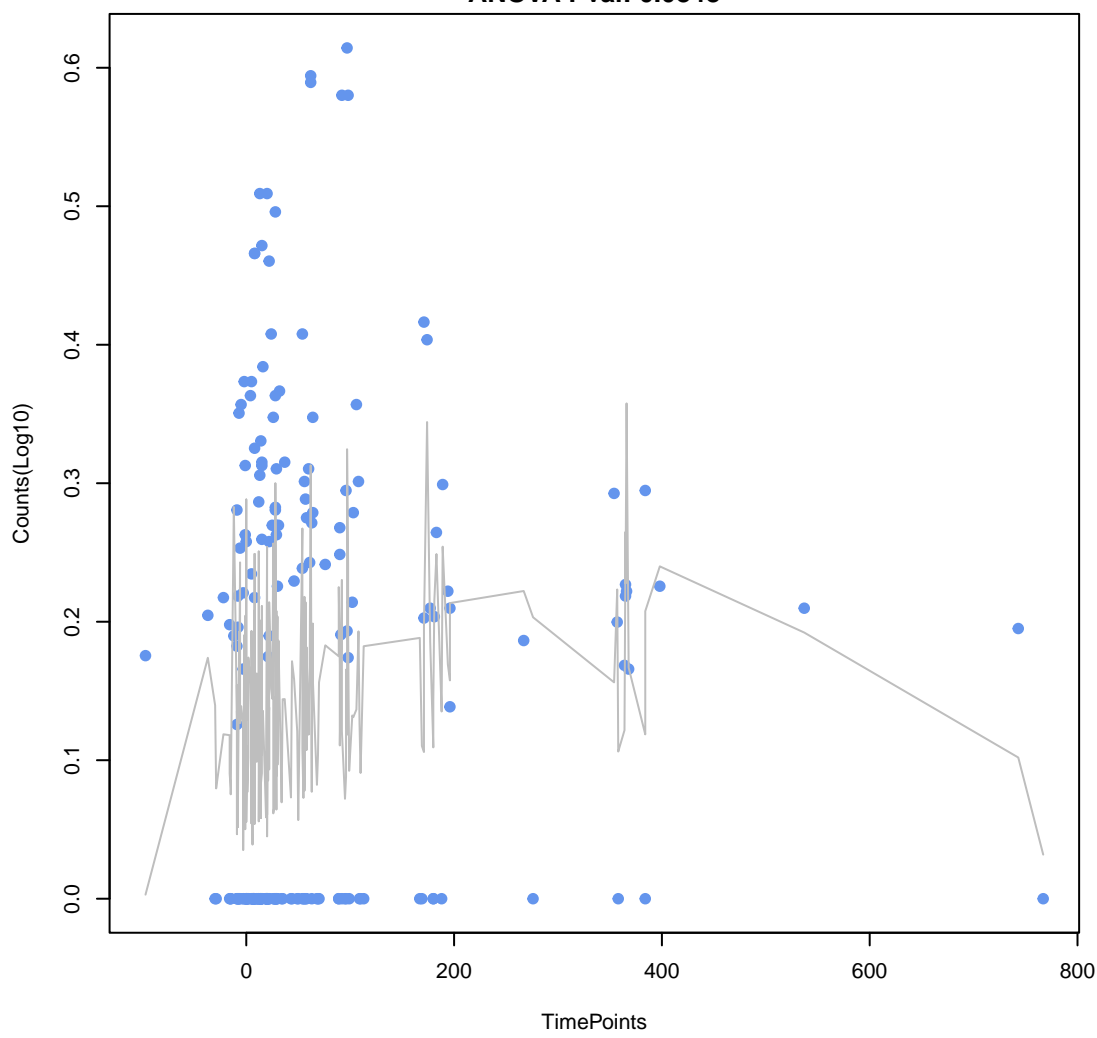
RGI
CRP
ANOVA Pval: 0.145



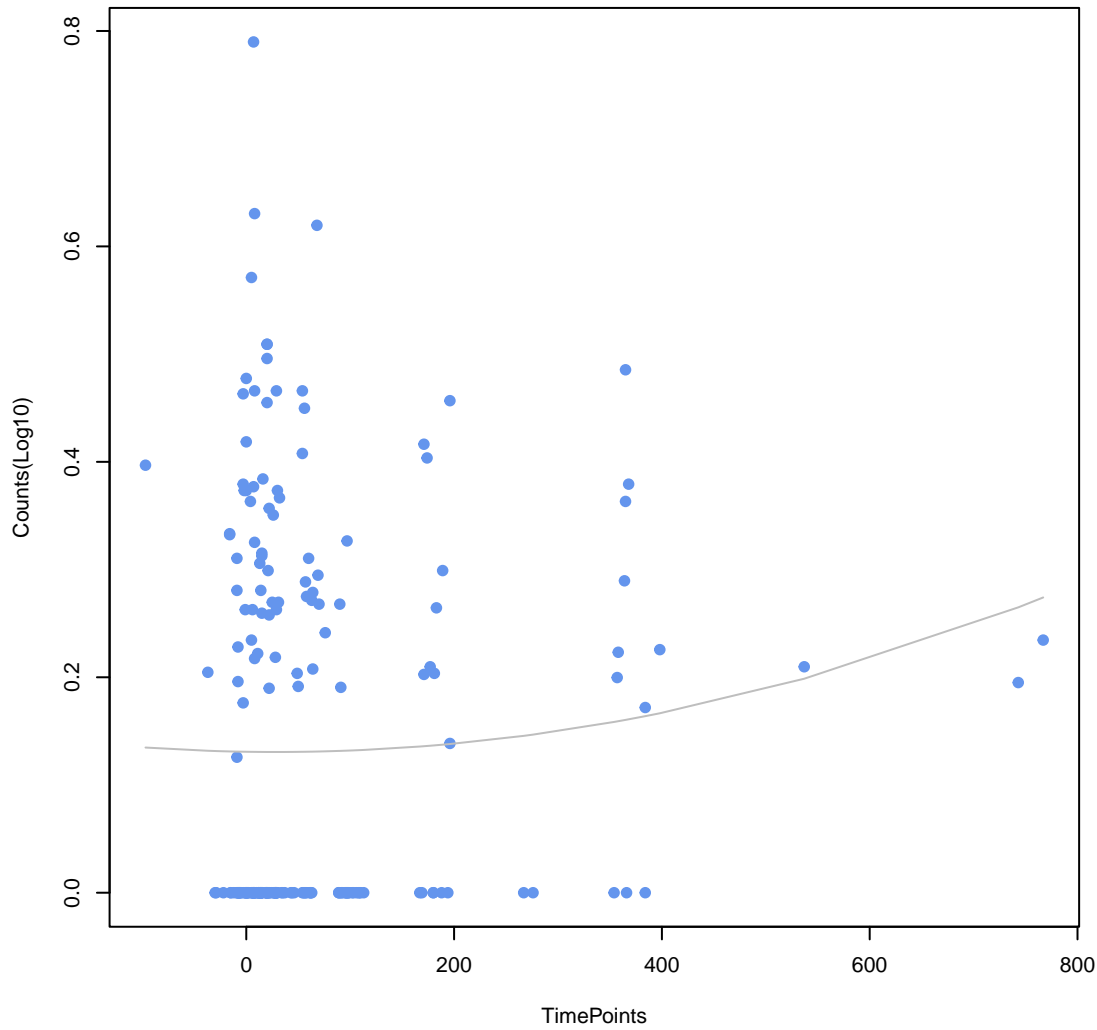
RGI
gadX
ANOVA Pval: 0.262



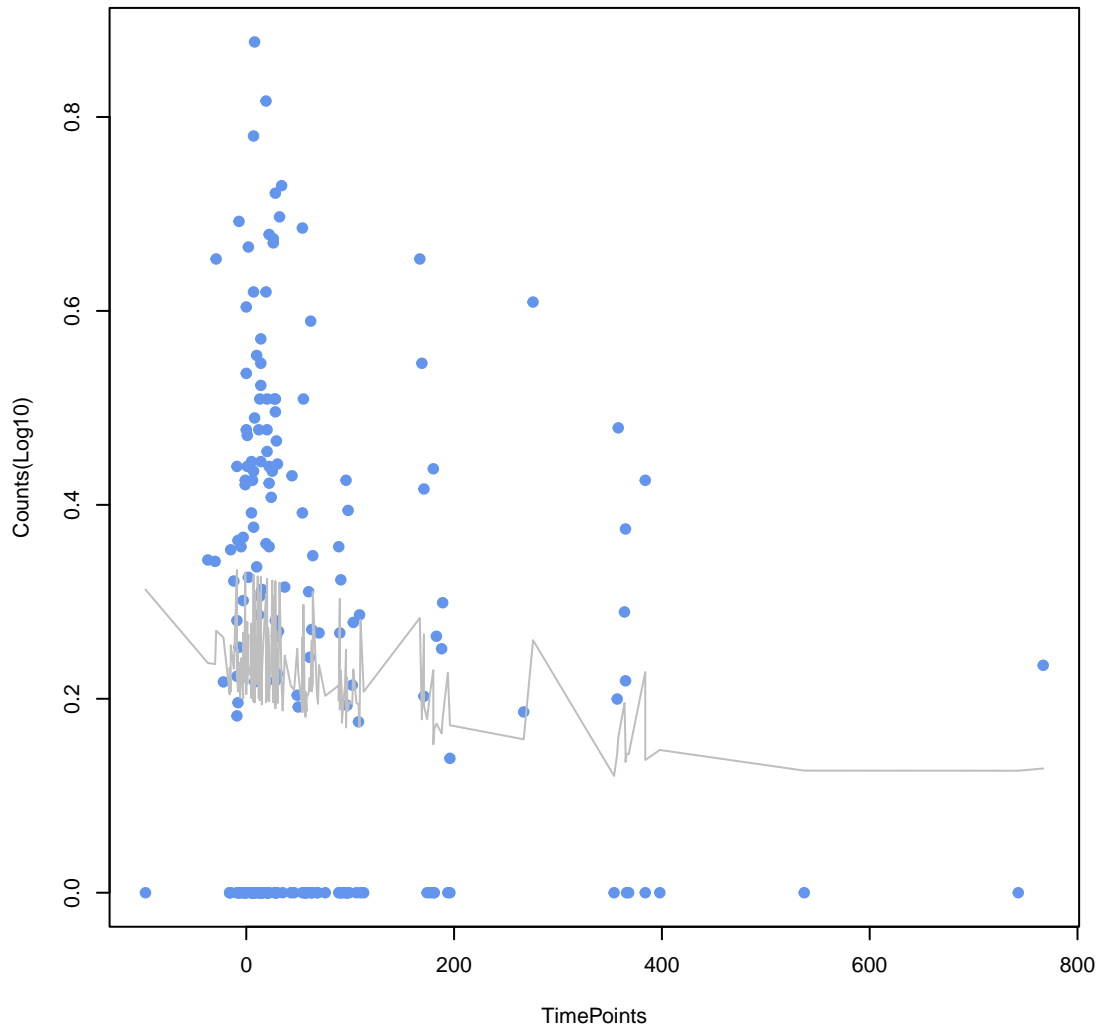
RGI
Escherichia coli EF-Tu mutants conferring resistance to Pulvomycin
ANOVA Pval: 0.0848



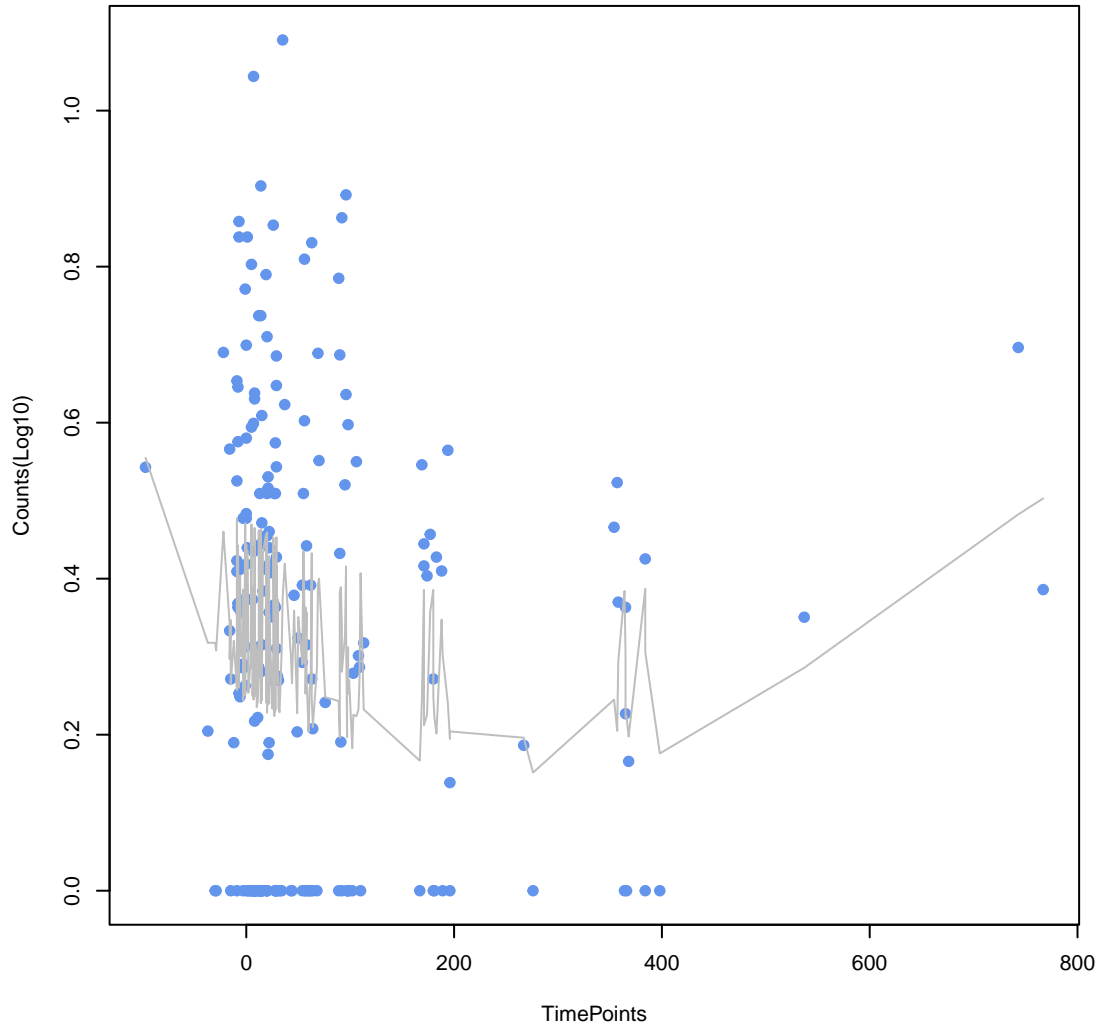
RGI
mdtN
ANOVA Pval: 0.446



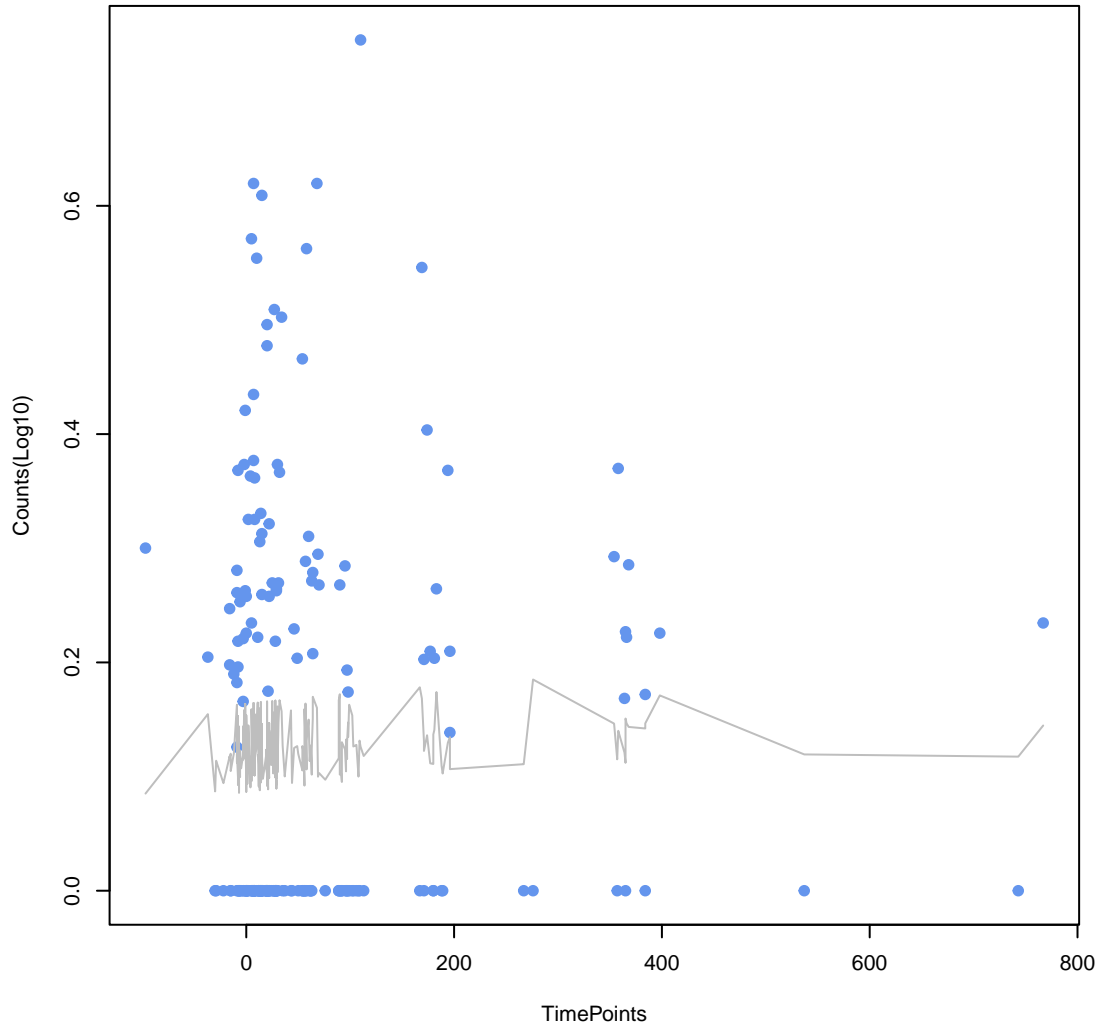
RGI
vanA
ANOVA Pval: 0.319



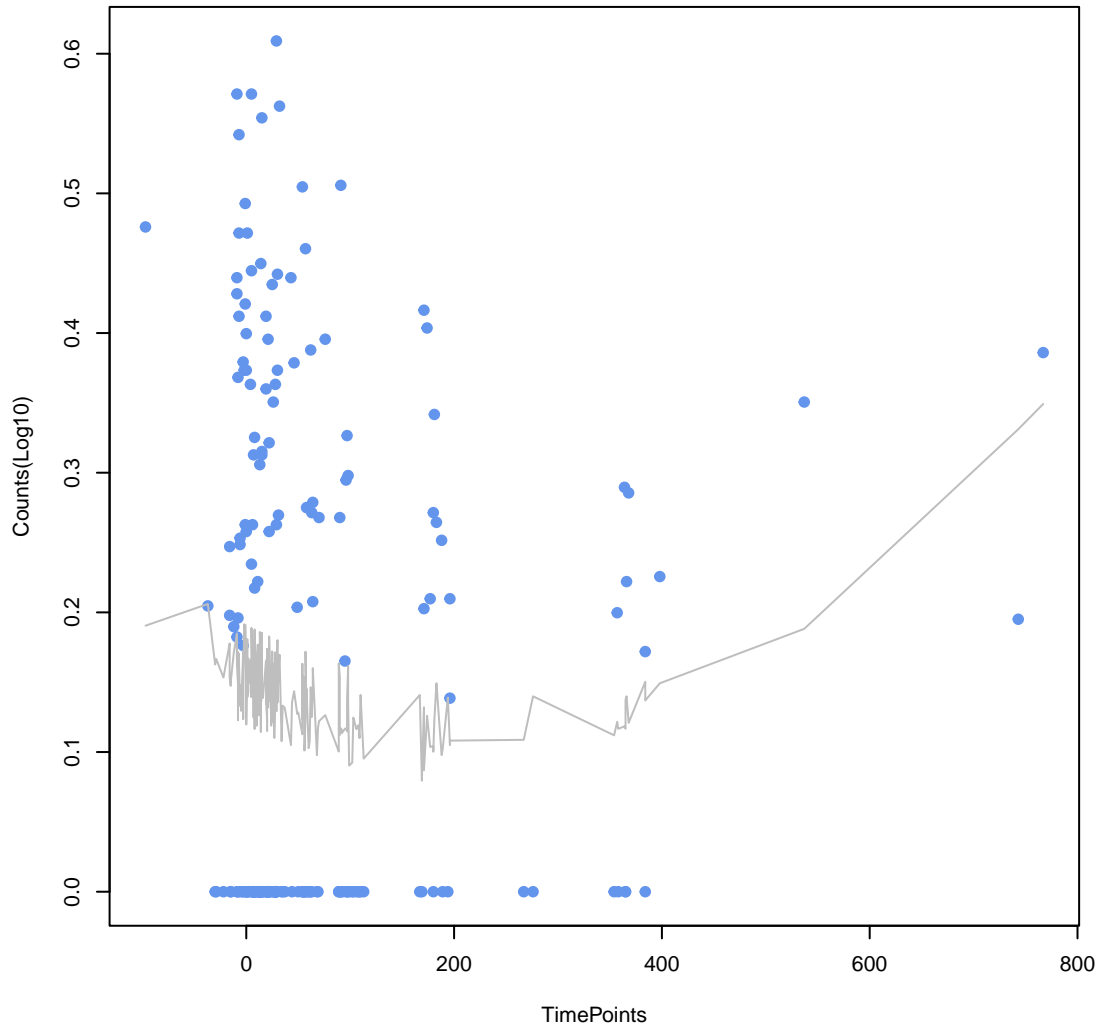
RGI
Bifidobacterium adolescentis rpoB mutants conferring resistance to rifampicin
ANOVA Pval: 0.0986



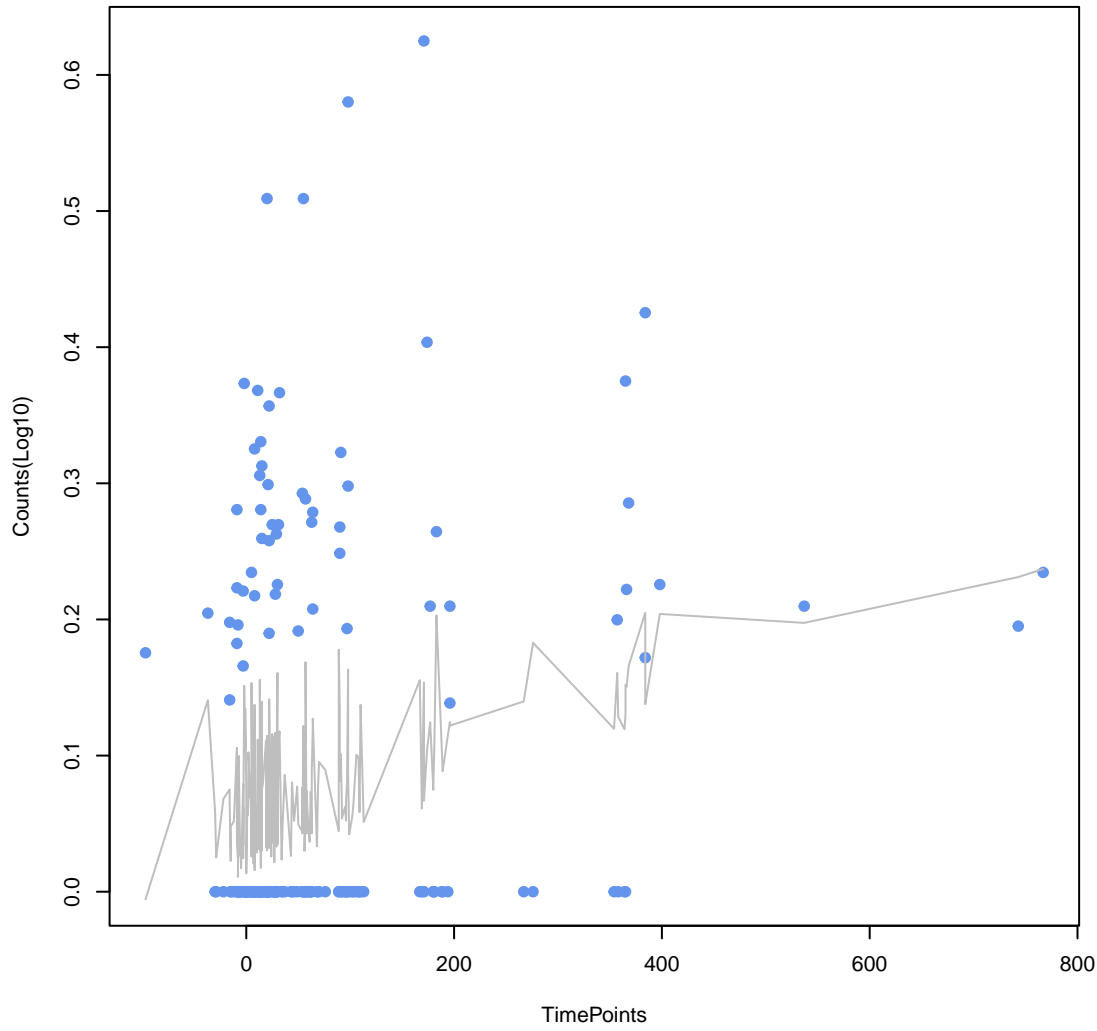
RGI
AcrE
ANOVA Pval: 0.825



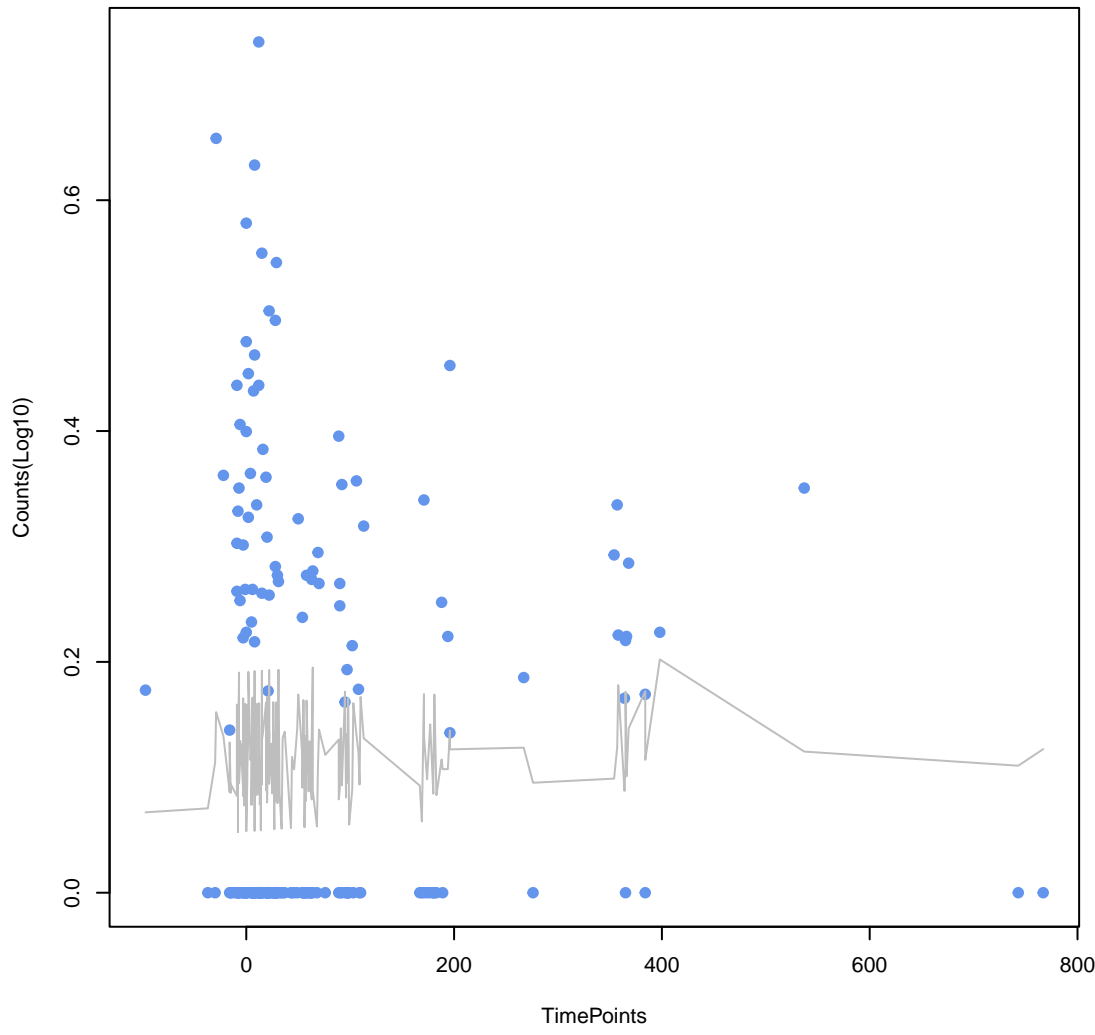
RGI
YojI
ANOVA Pval: 0.139



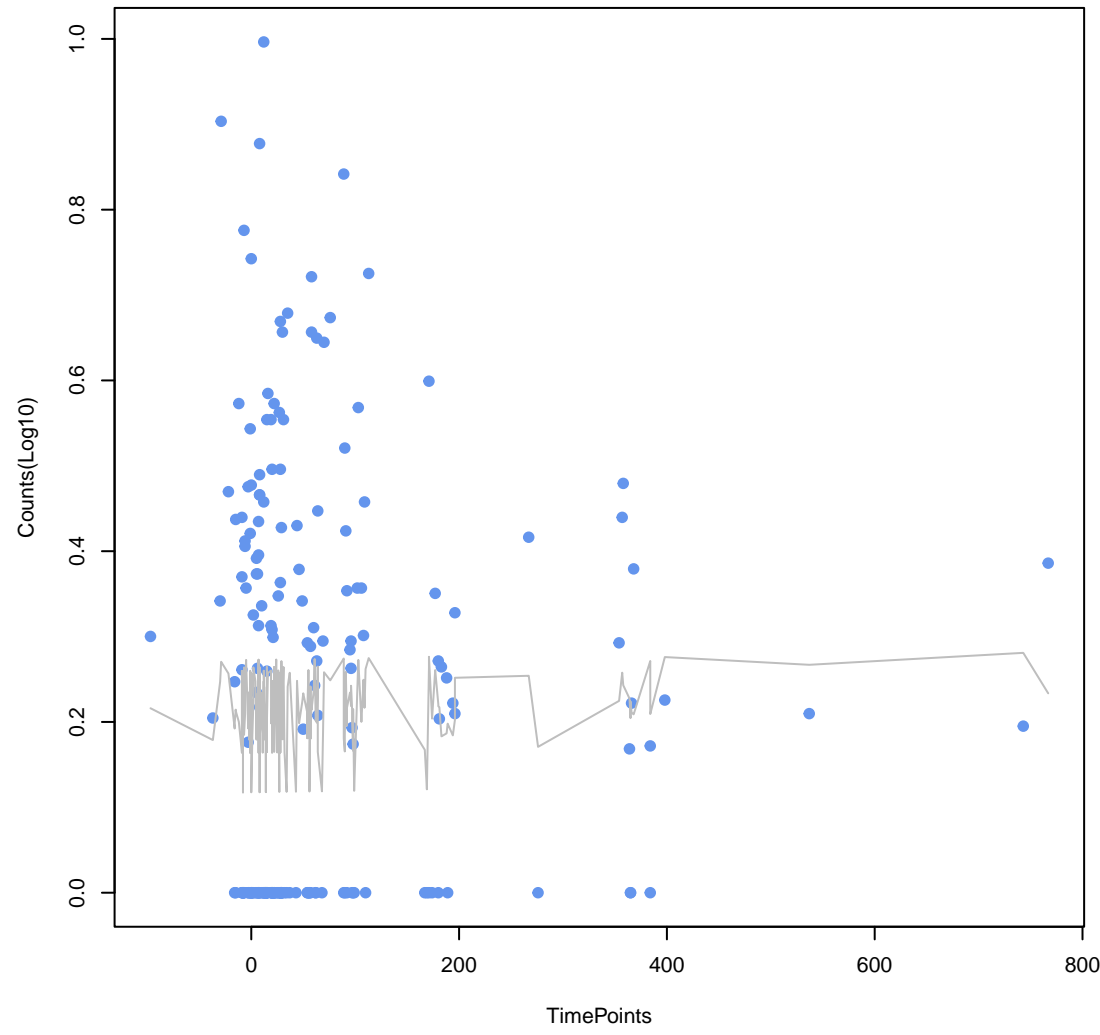
RGI
evgA
ANOVA Pval: 0.00483



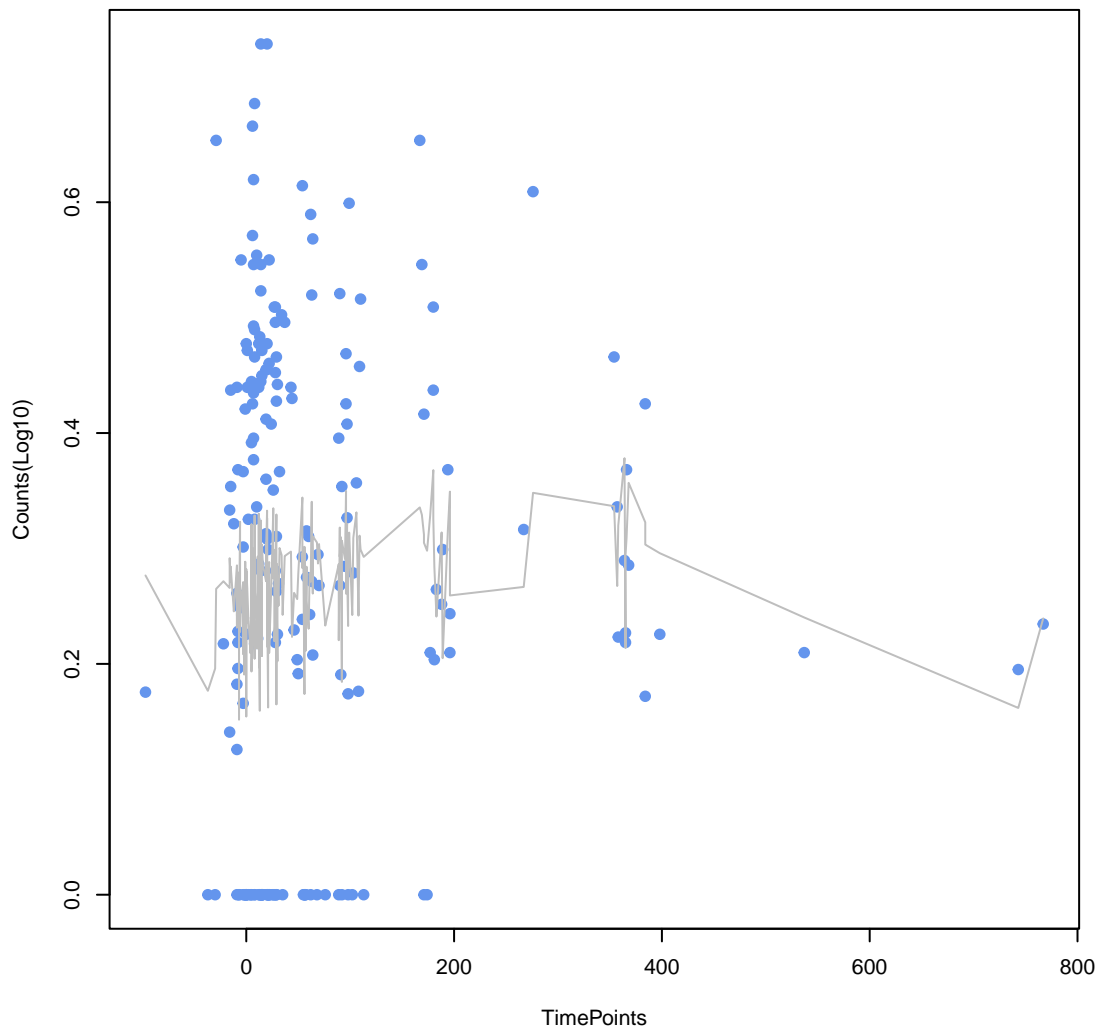
RGI
vanS gene in vanD cluster
ANOVA Pval: 0.954



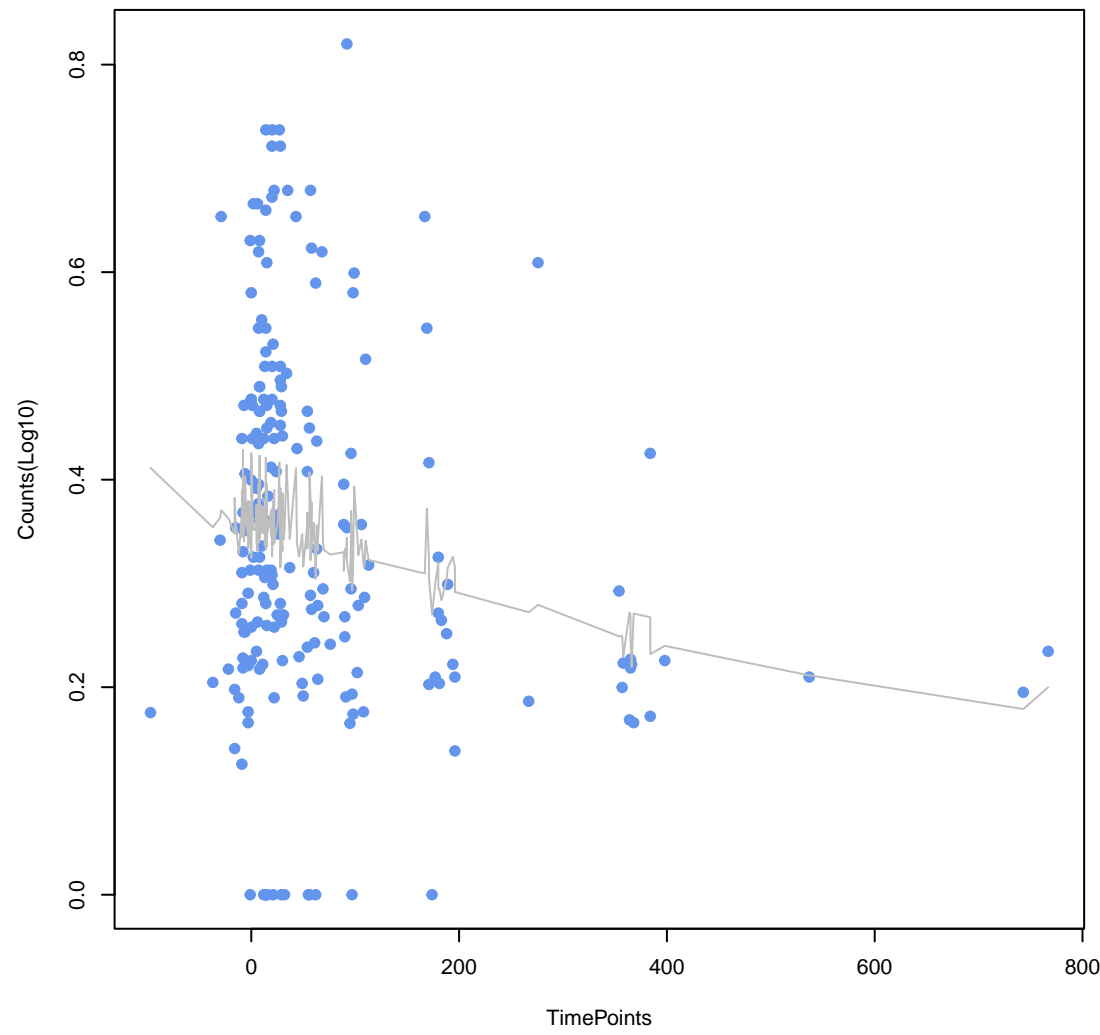
RGI
vanR gene in vanD cluster
ANOVA Pval: 0.968



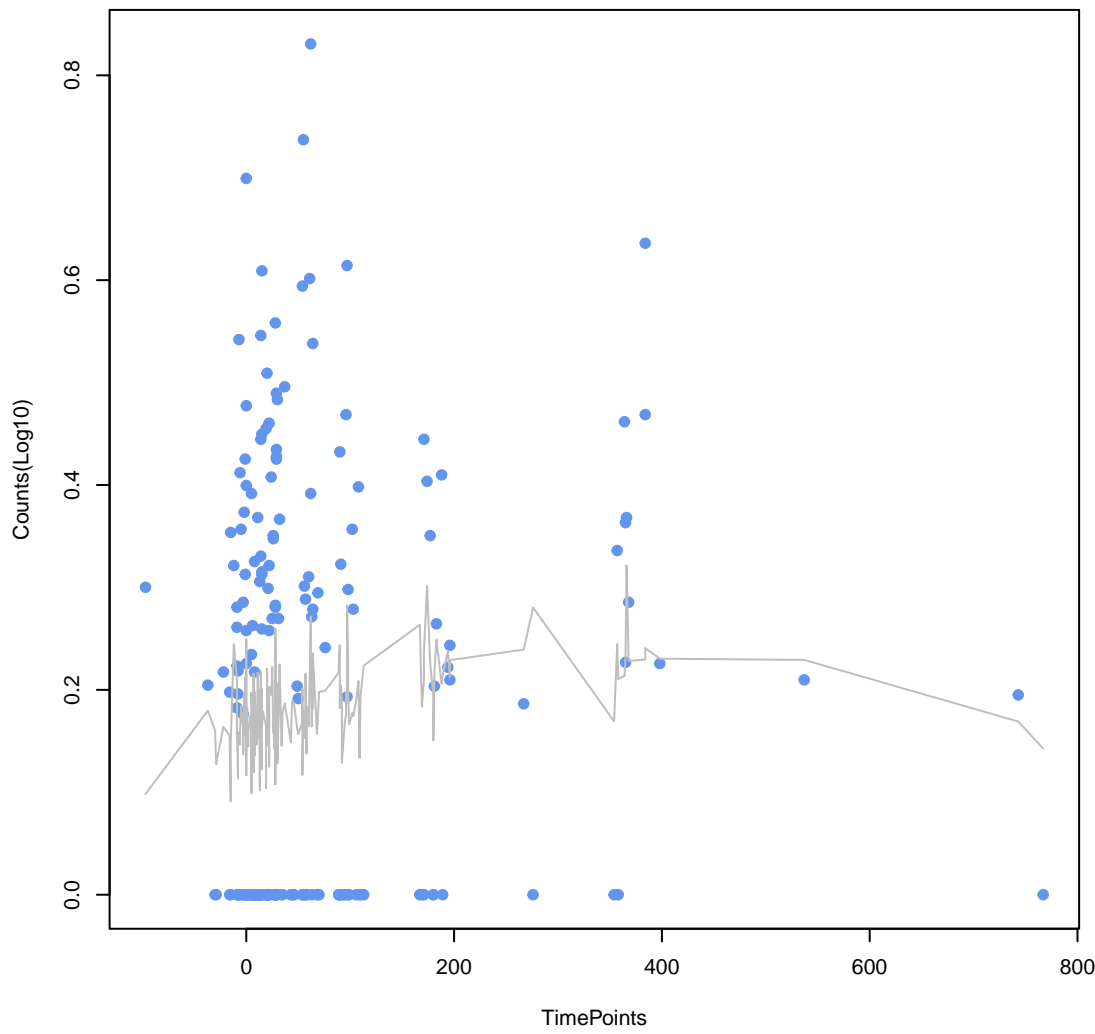
RGI
SAT-4
ANOVA Pval: 0.343



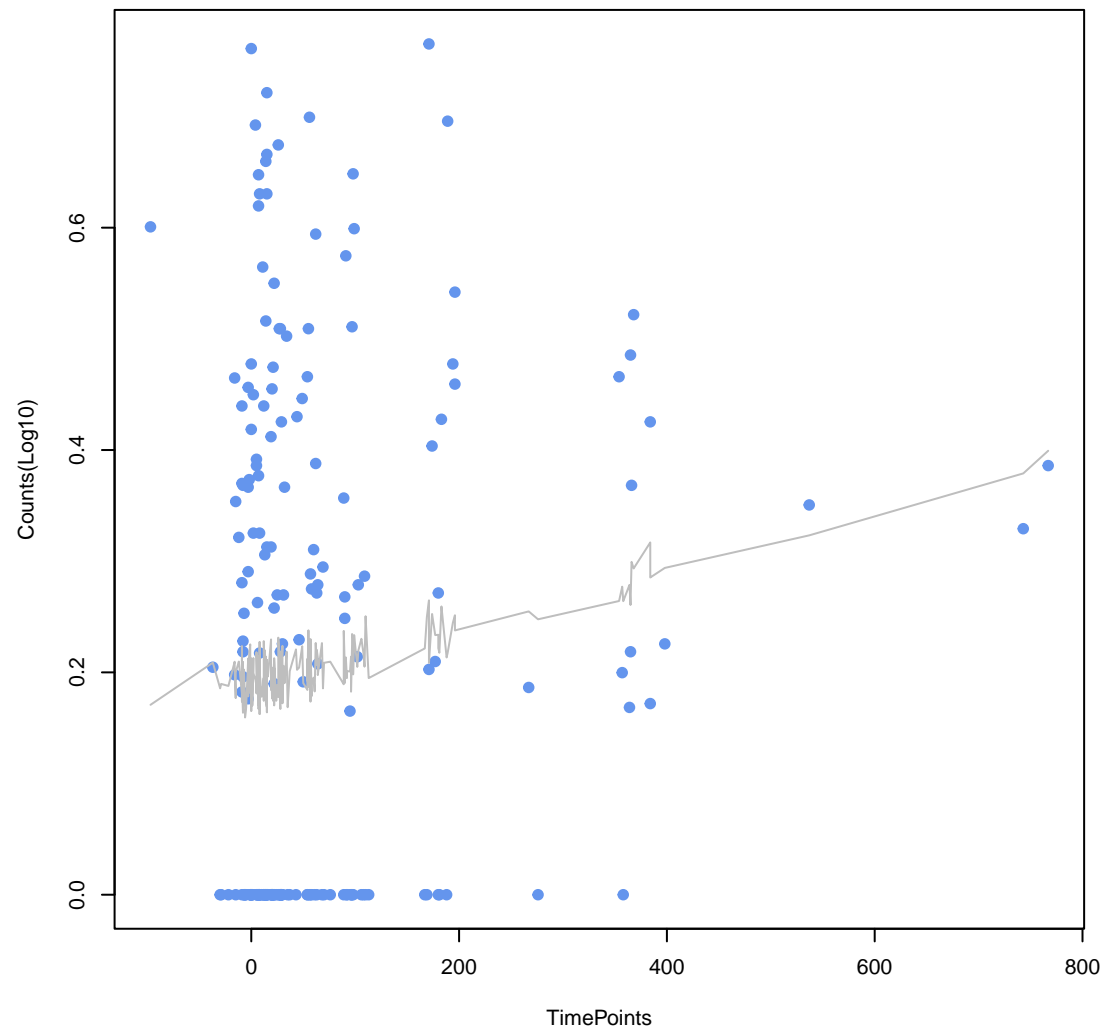
RGI
ErmB
ANOVA Pval: 0.0272



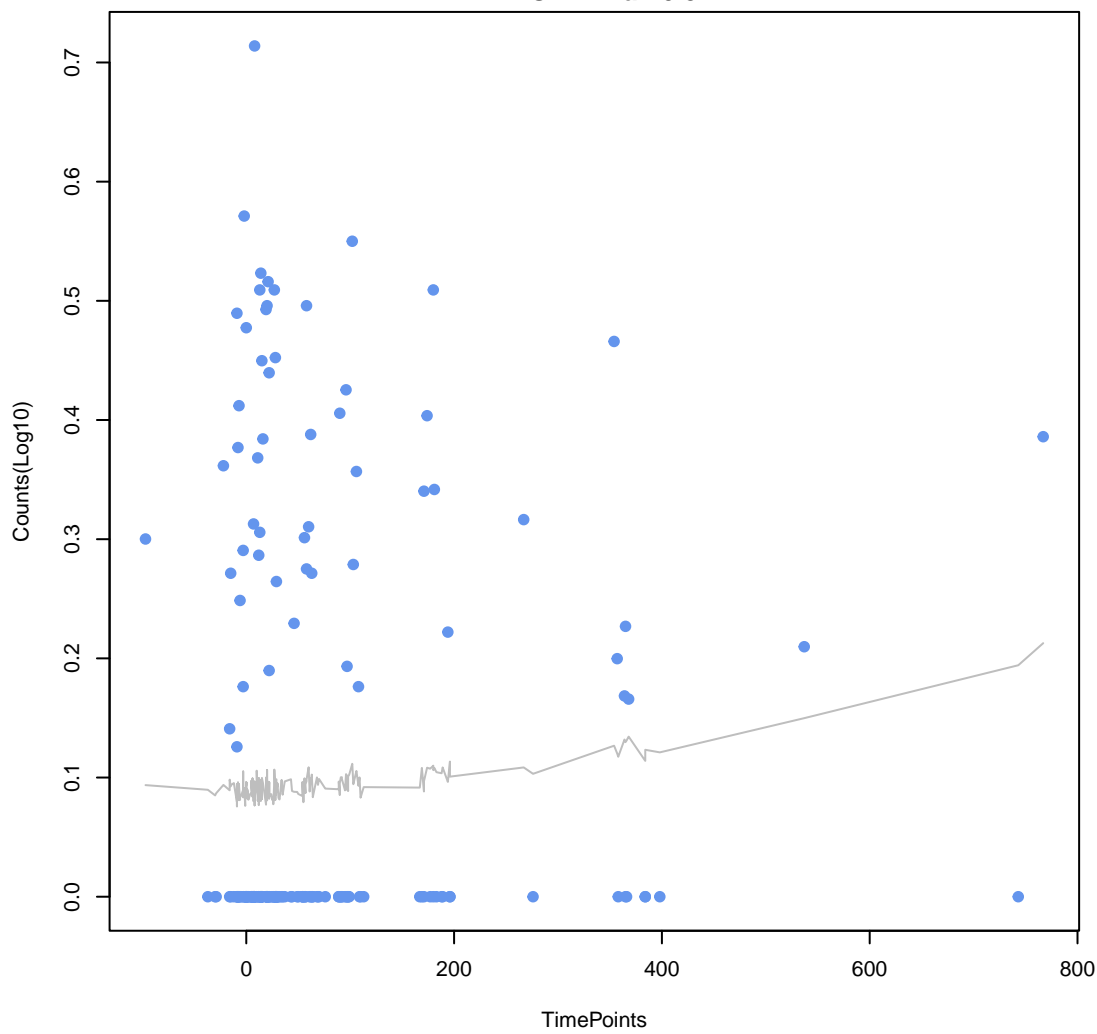
RGI
baeR
ANOVA Pval: 0.278



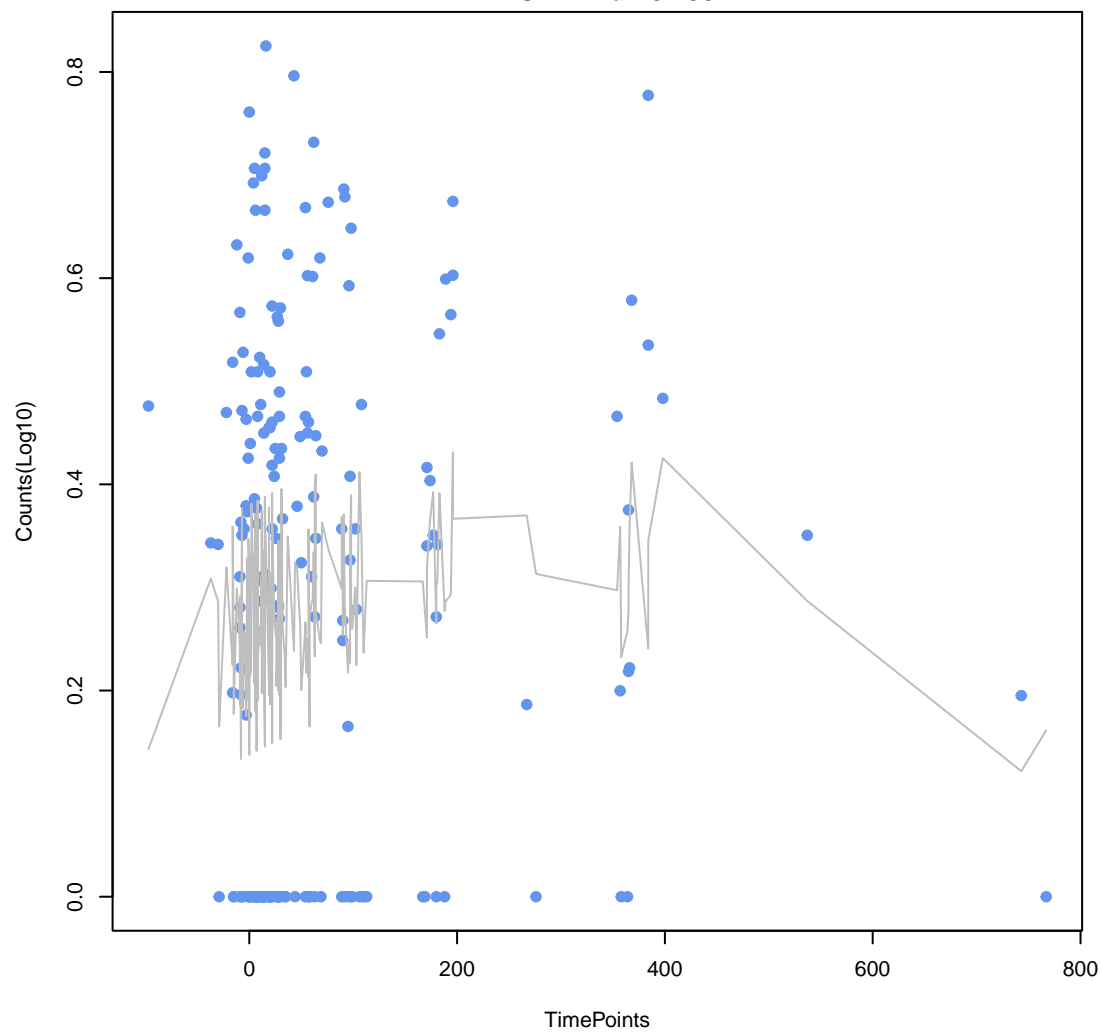
RGI
mdtF
ANOVA Pval: 0.185



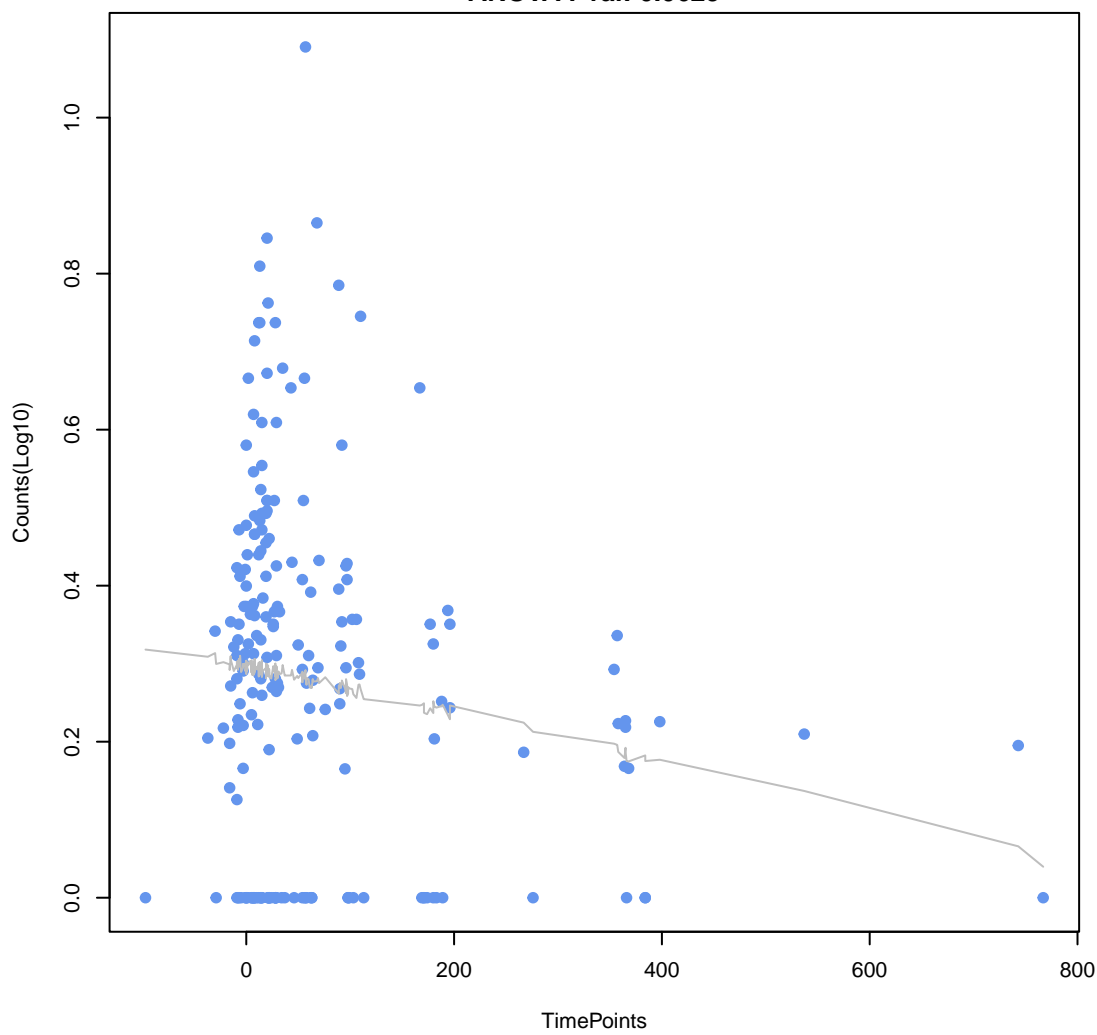
RGI
tet(W/N/W)
ANOVA Pval: 0.5



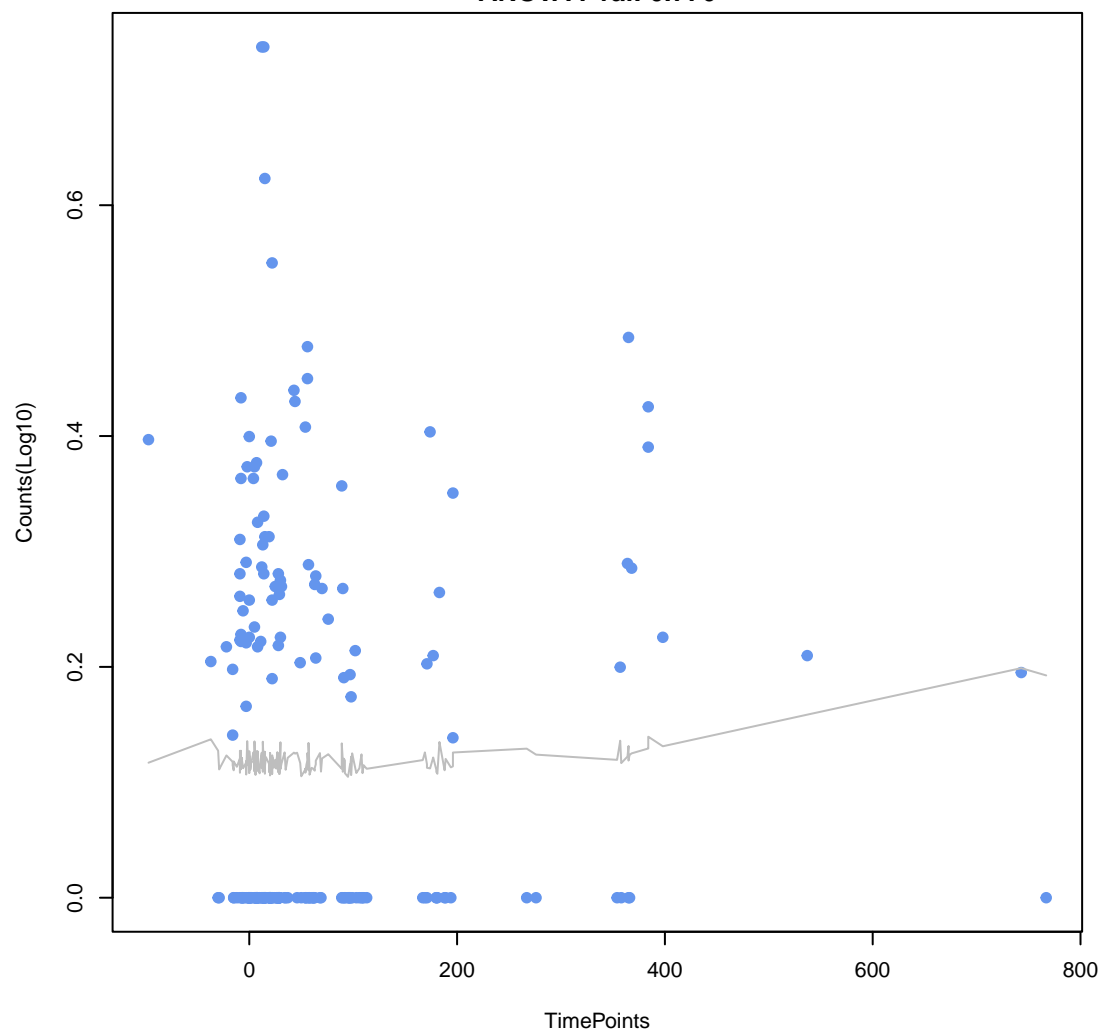
RGI
acrB
ANOVA Pval: 0.195



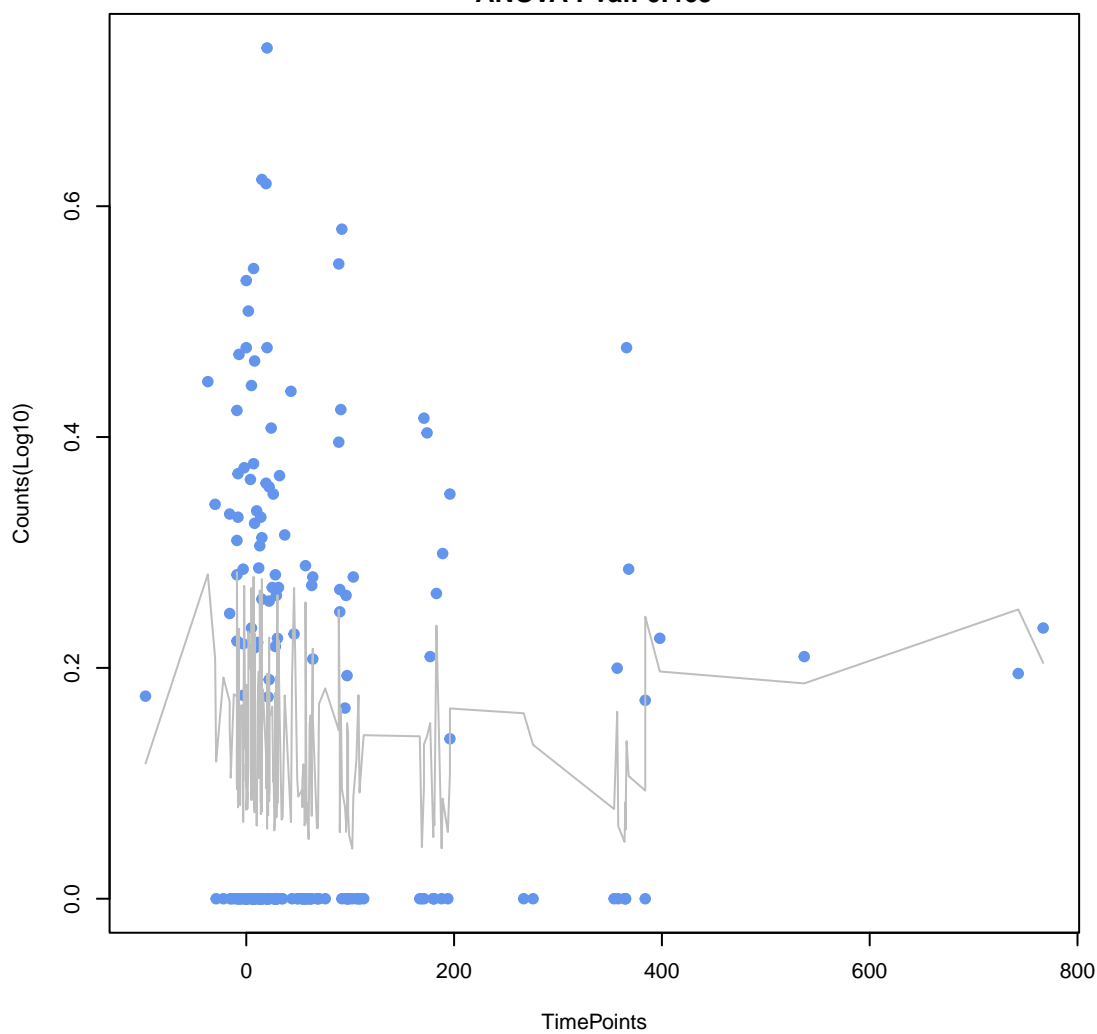
RGI
ErmF
ANOVA Pval: 0.0629



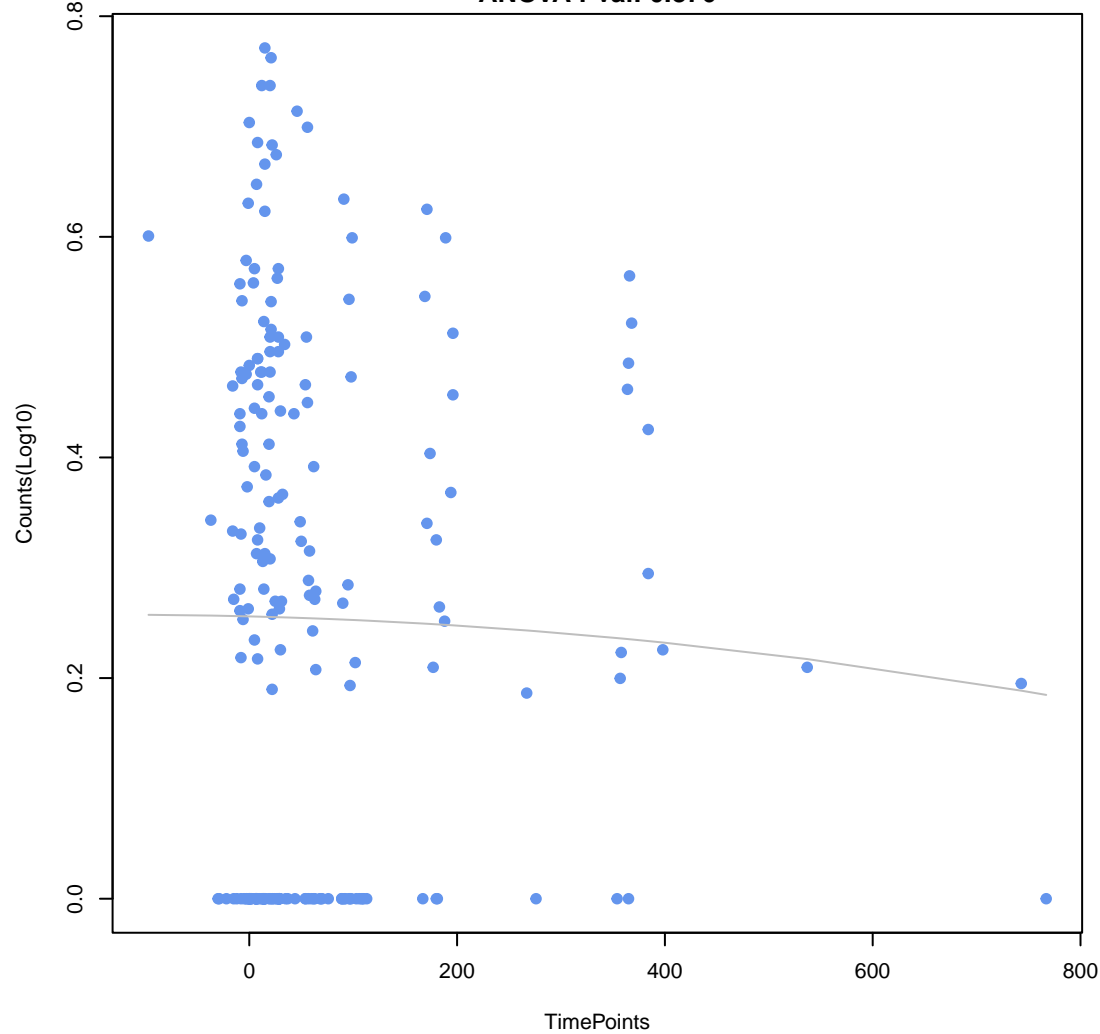
RGI
mdtA
ANOVA Pval: 0.776



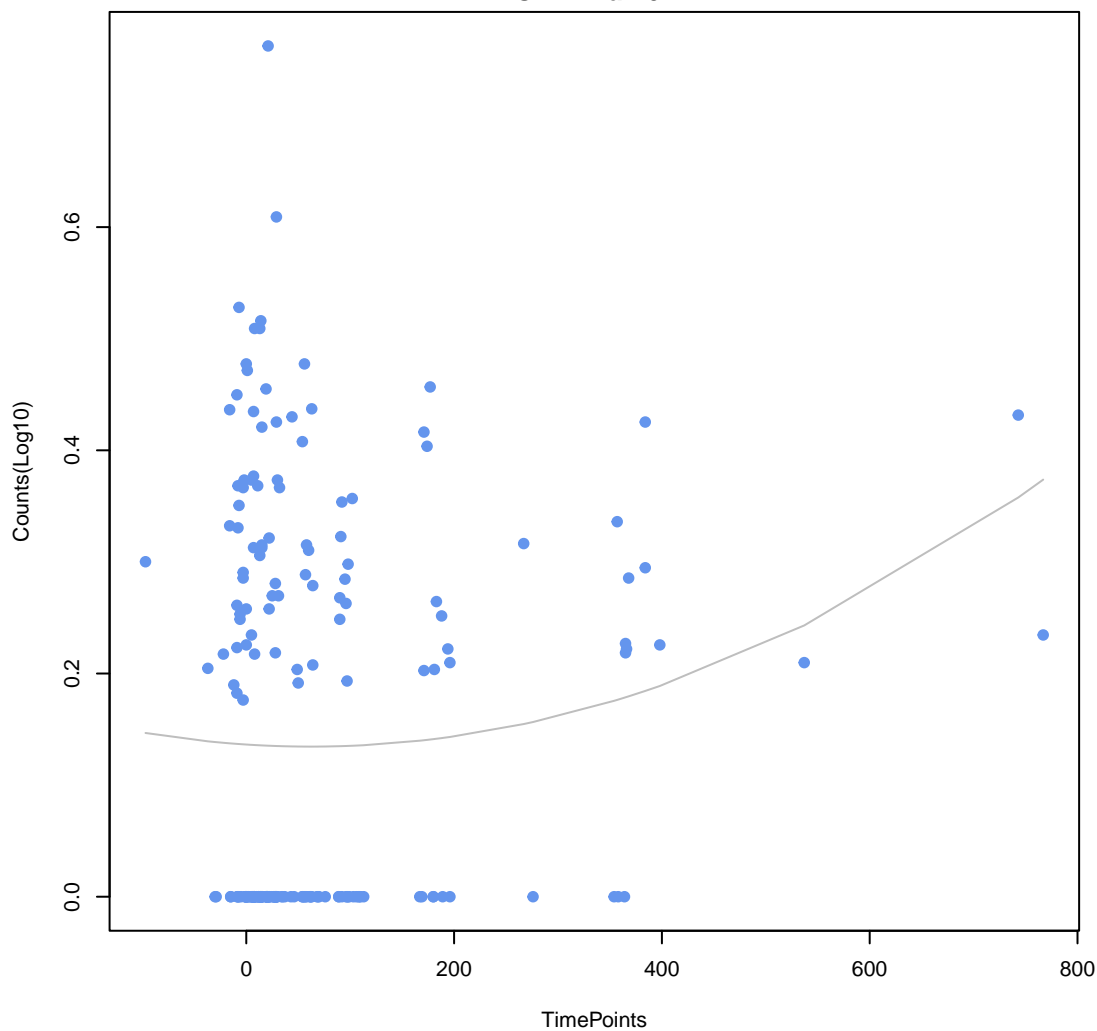
RGI
emrY
ANOVA Pval: 0.469



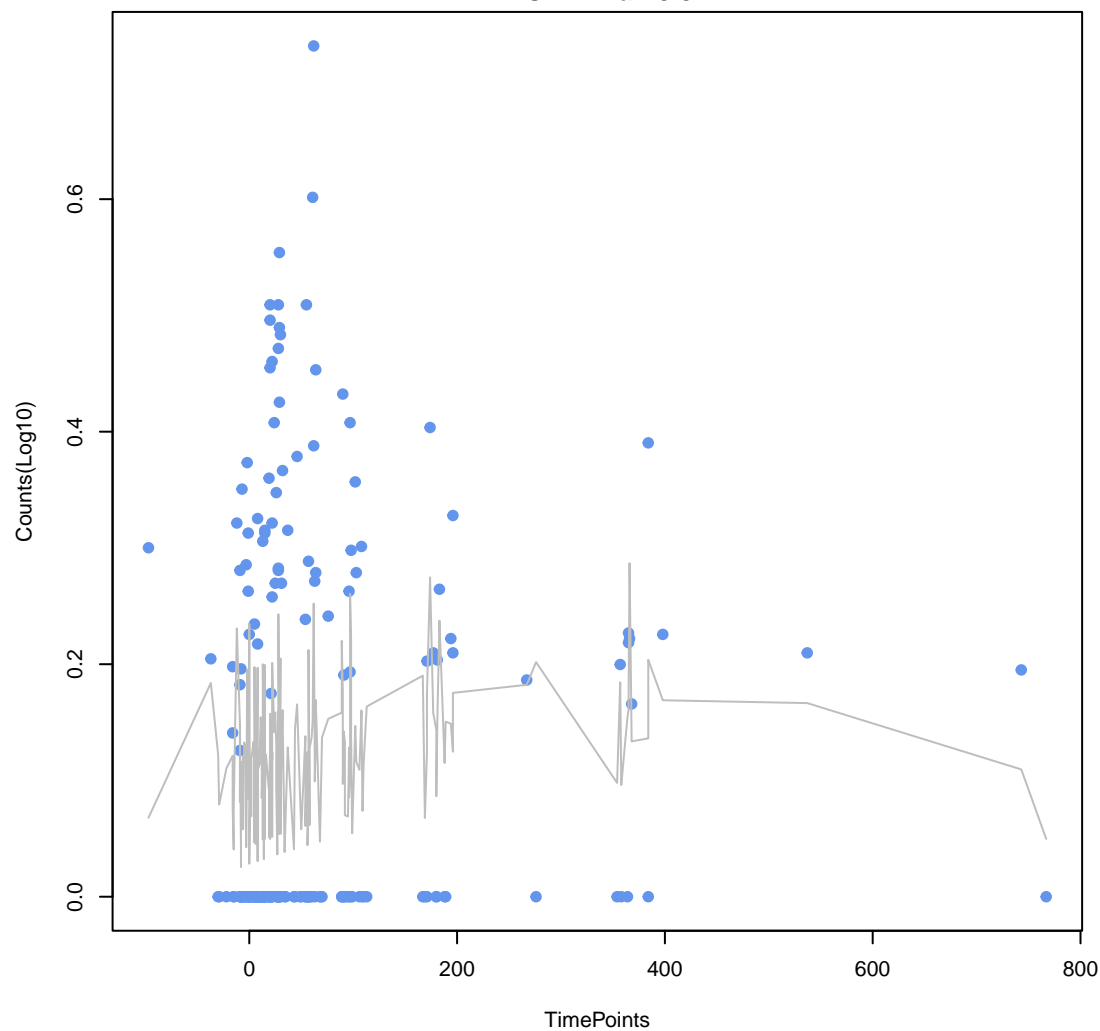
RGI
evgS
ANOVA Pval: 0.876



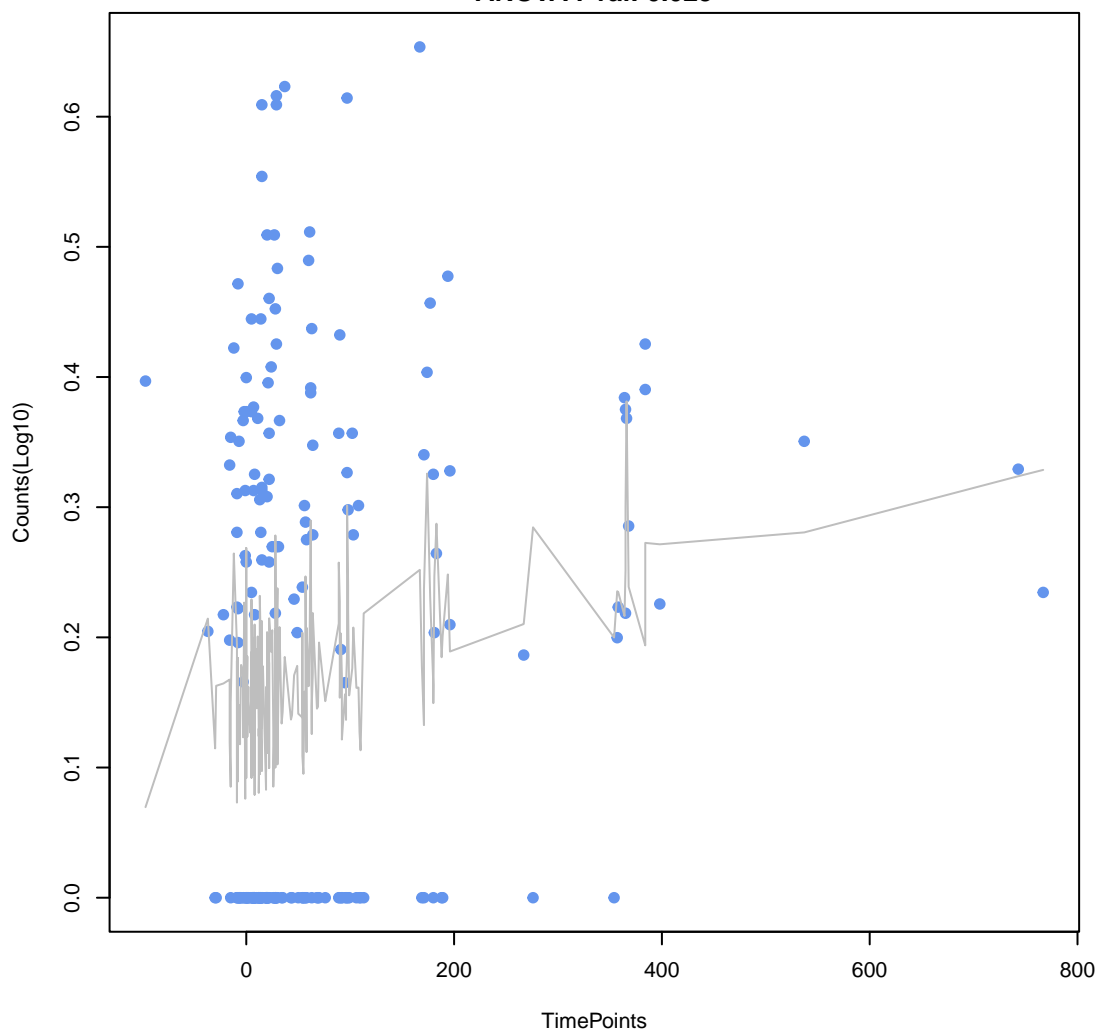
RGI
mdtH
ANOVA Pval: 0.114



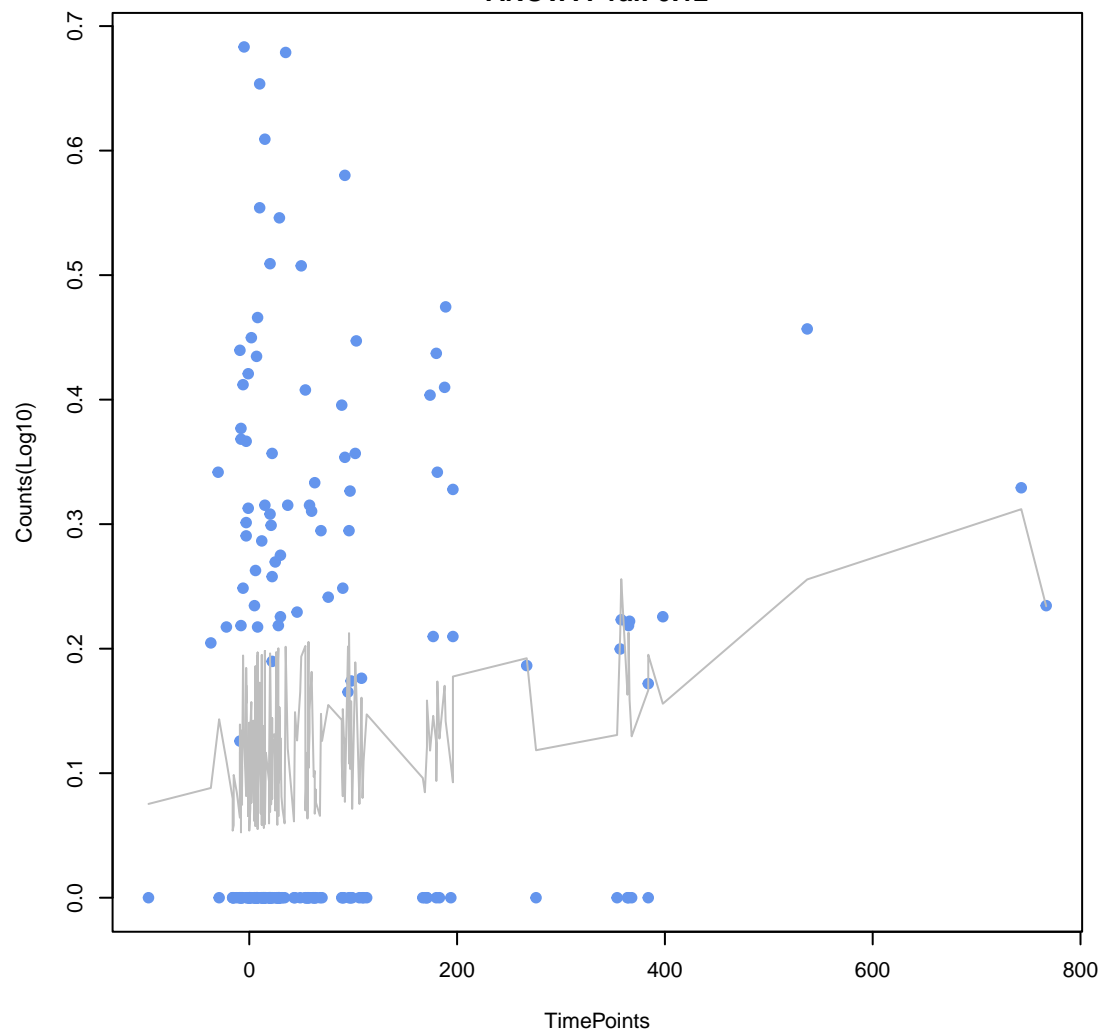
RGI
marA
ANOVA Pval: 0.32



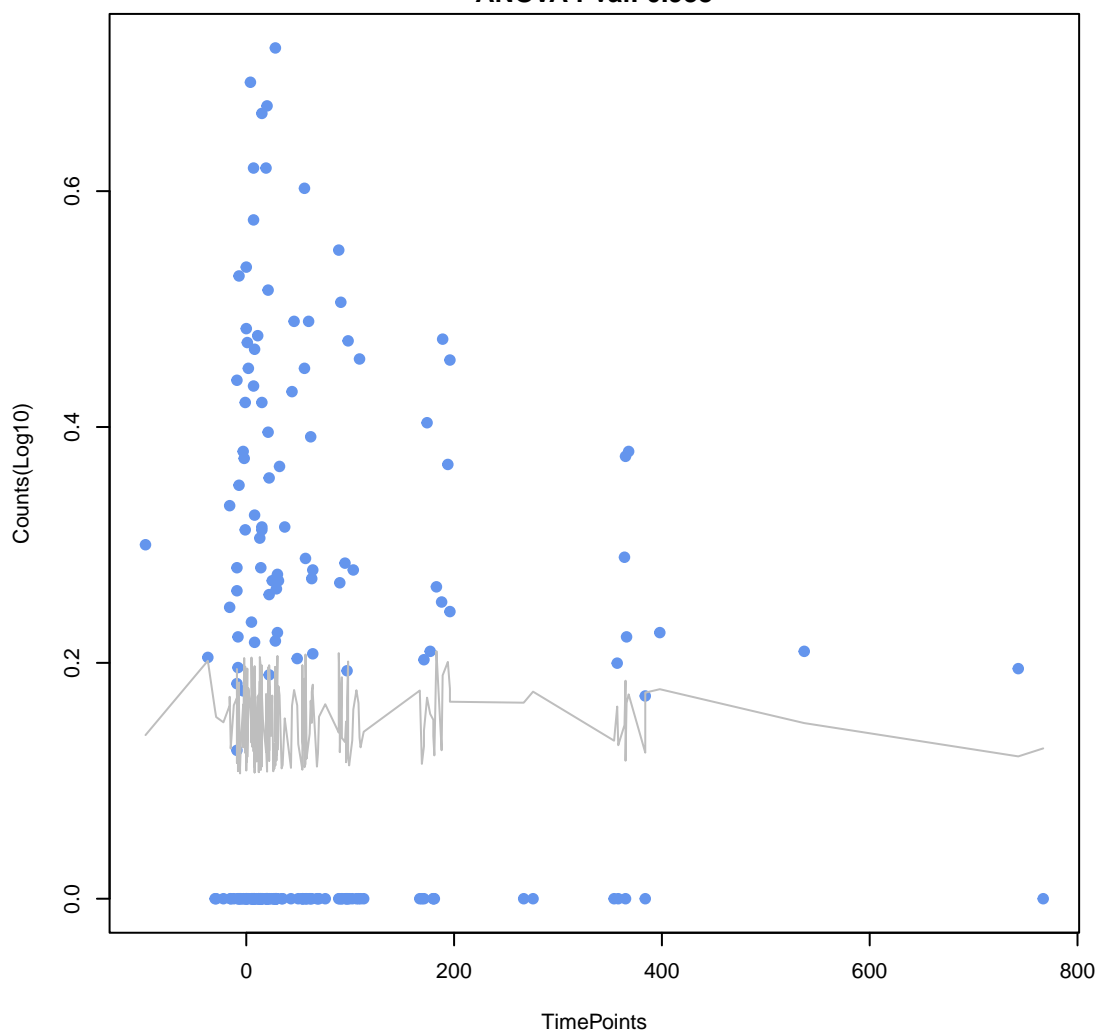
RGI
bacA
ANOVA Pval: 0.023



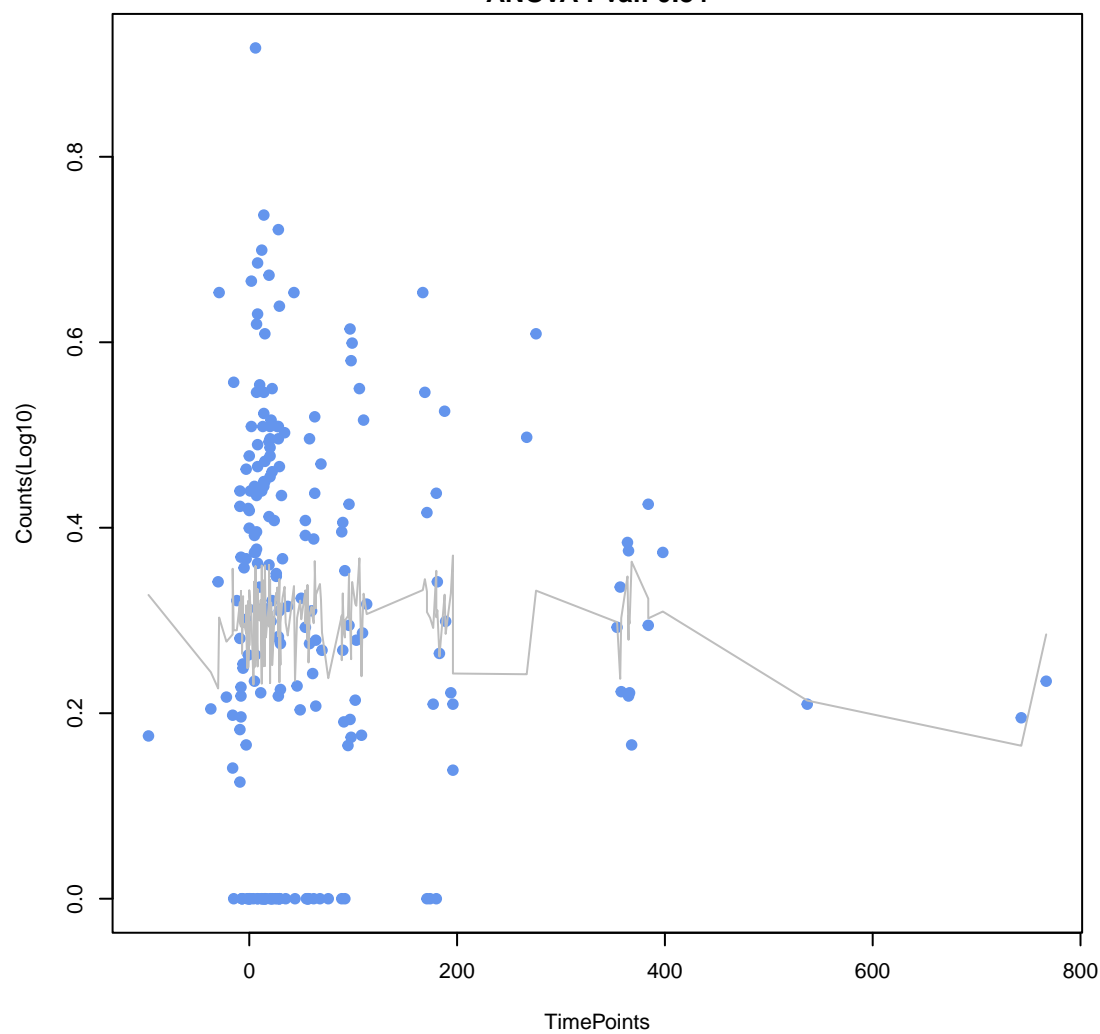
RGI
myrA
ANOVA Pval: 0.12



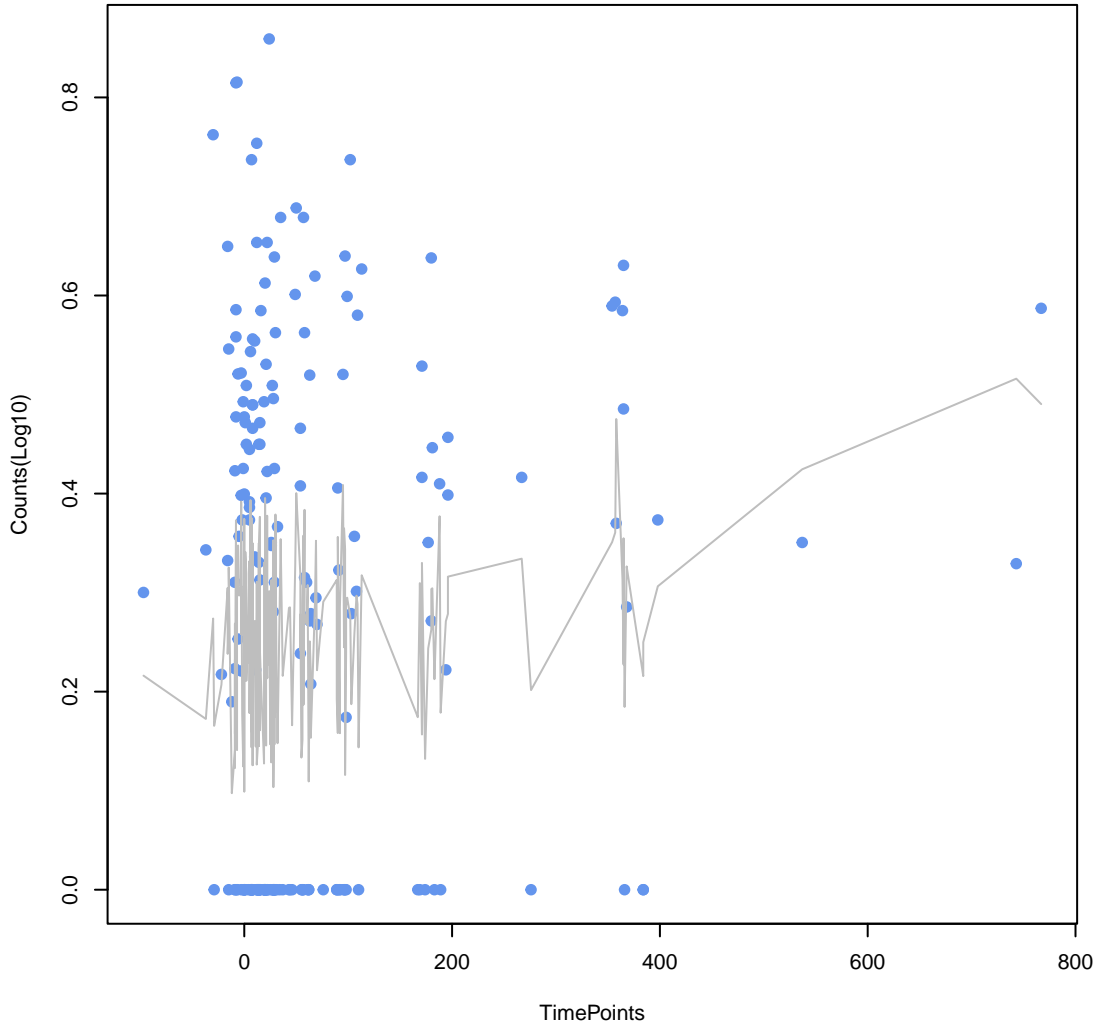
RGI
mdtP
ANOVA Pval: 0.938



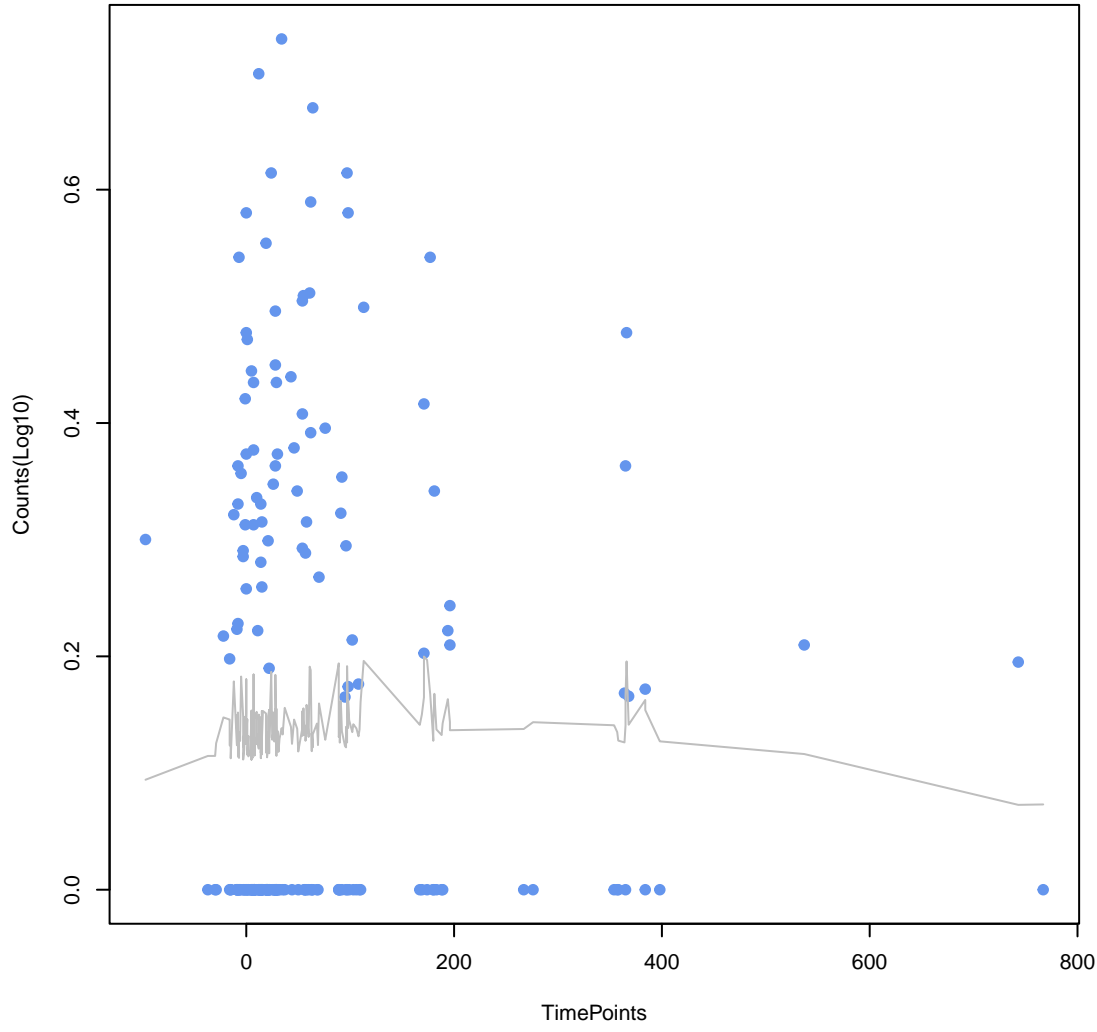
RGI
aad(6)
ANOVA Pval: 0.84



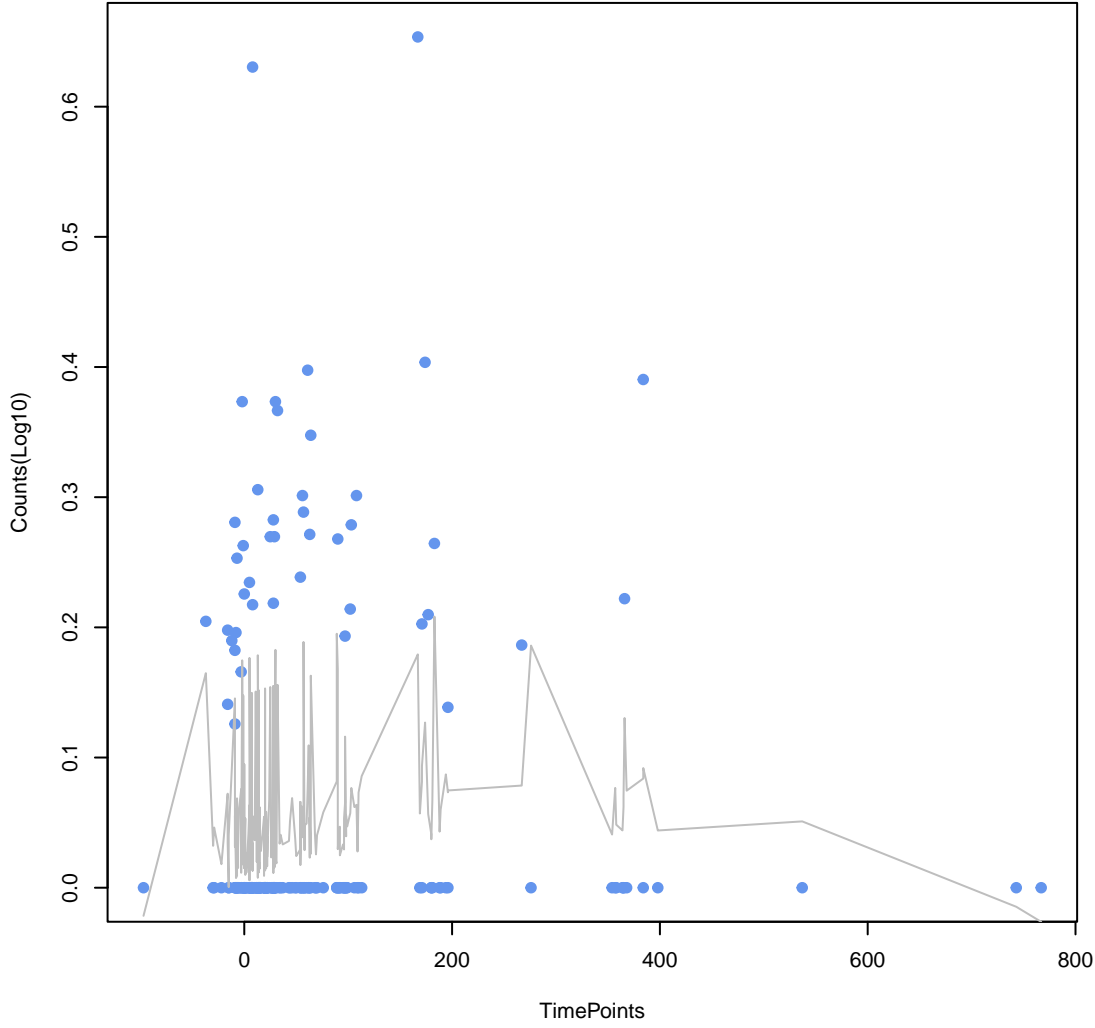
RGI
ANA-1
ANOVA Pval: 0.169



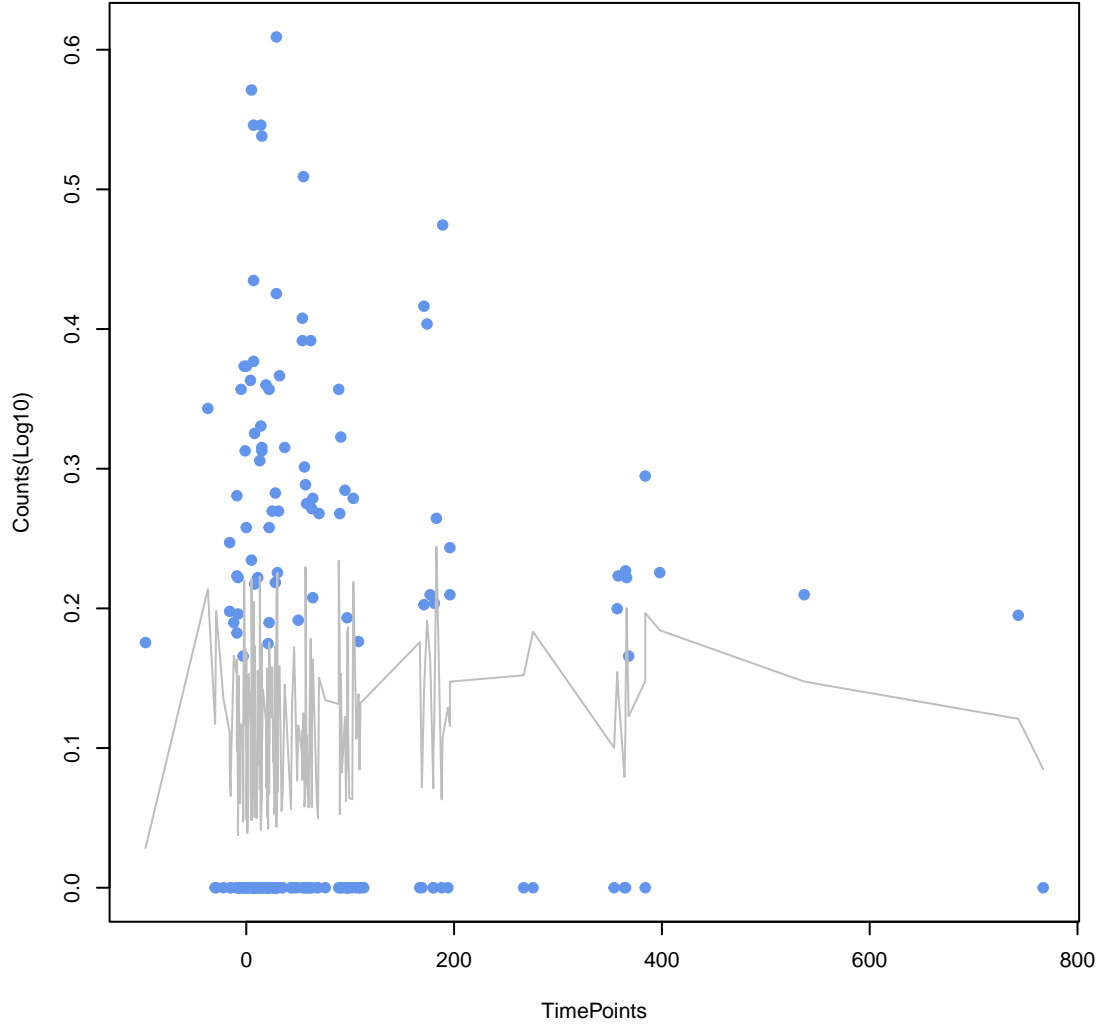
RGI
Klebsiella pneumoniae KpnH
ANOVA Pval: 0.836



RGI
Escherichia coli GlpT with mutation conferring resistance to fosfomycin
ANOVA Pval: 0.188



RGI
Escherichia coli soxR with mutation conferring antibiotic resistance
ANOVA Pval: 0.651



RGI
Escherichia coli soxS with mutation conferring antibiotic resistance
ANOVA Pval: 0.145

