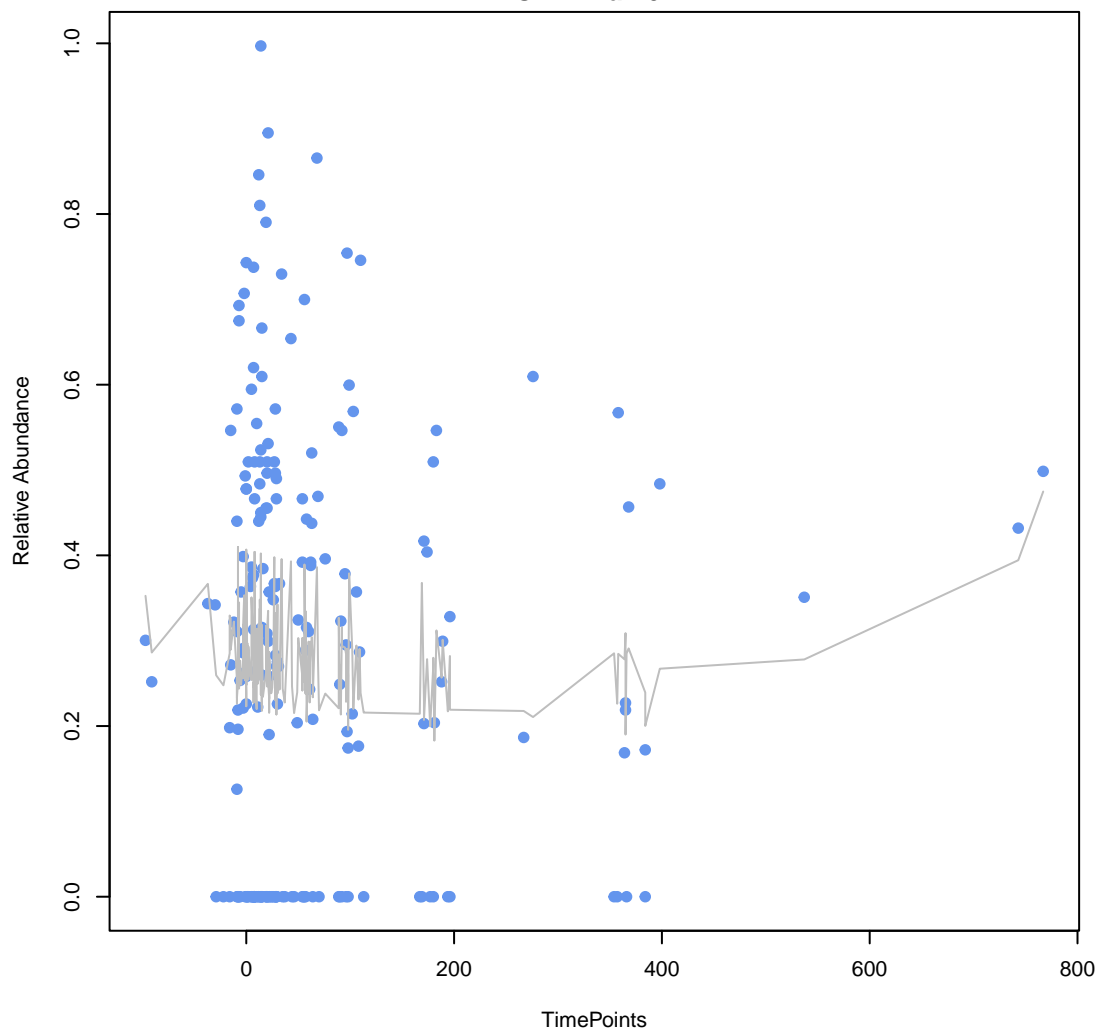
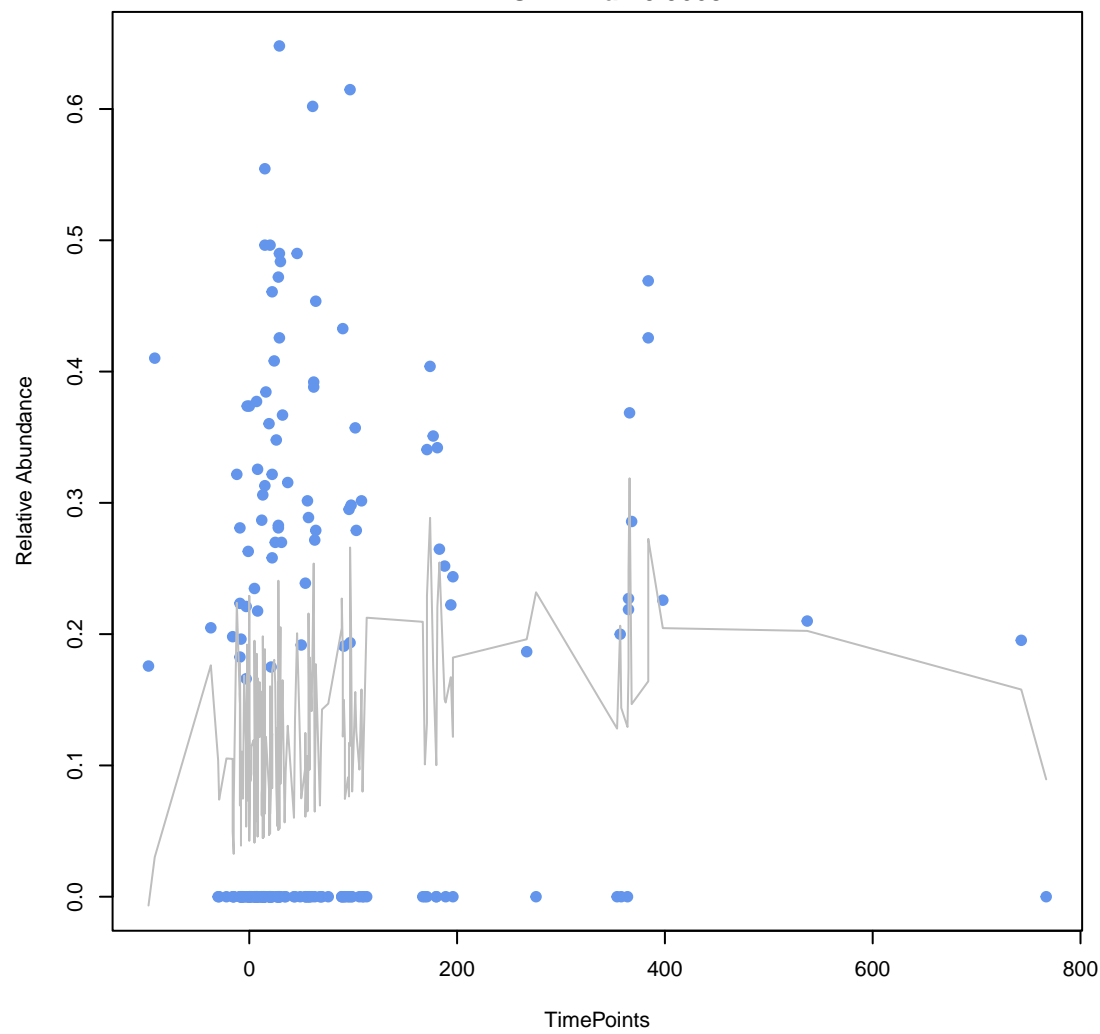


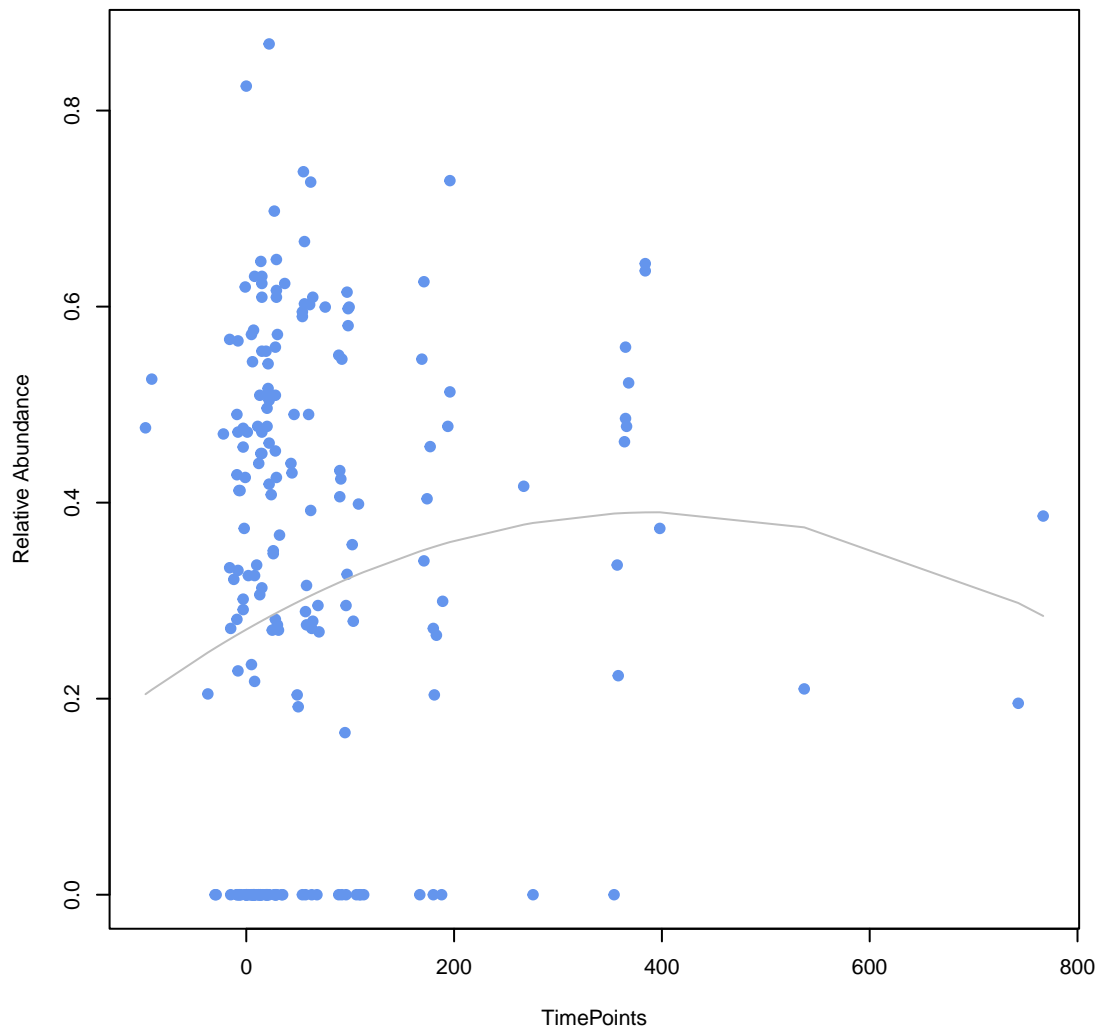
RGI
efrB
ANOVA Pval: 0.447



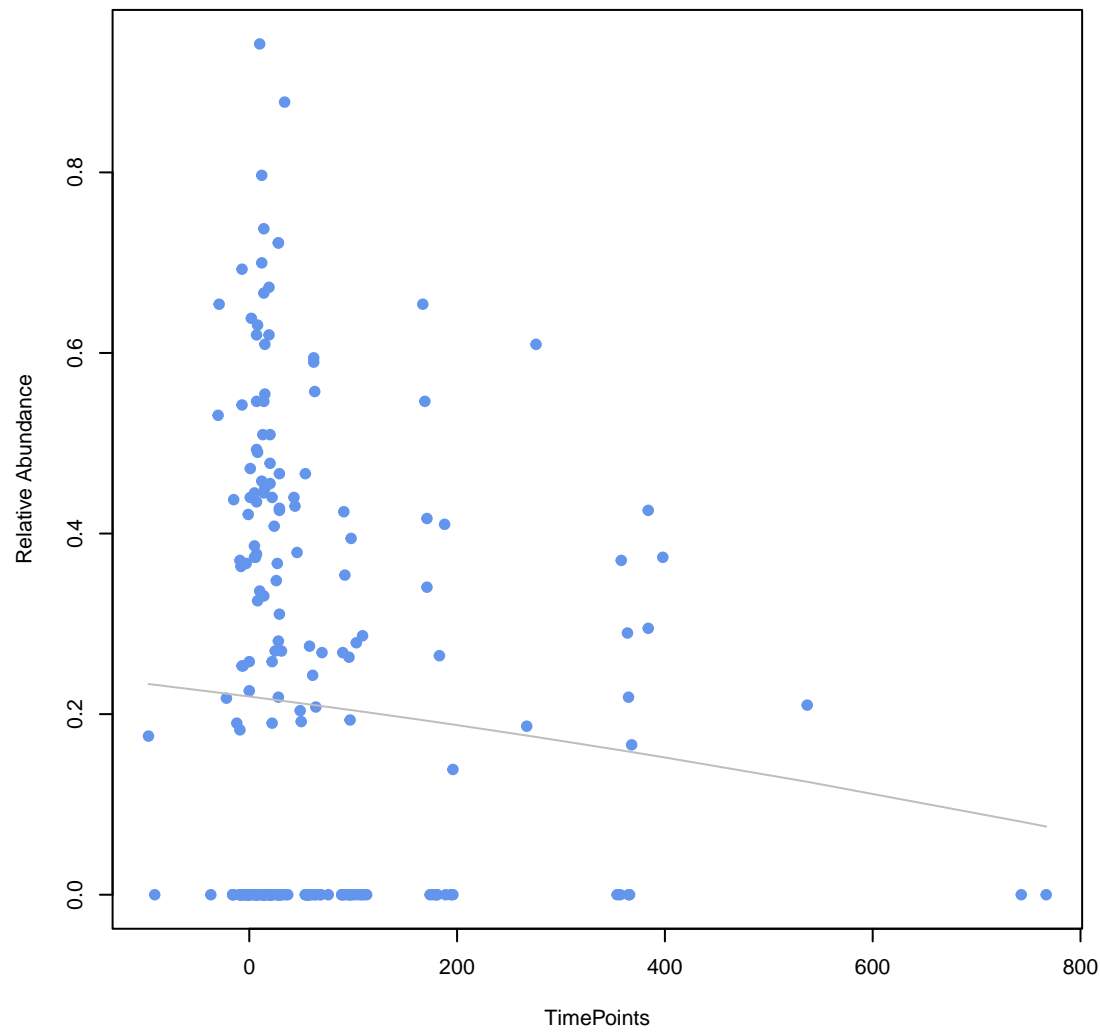
RGI
scherichia coli AcrAB–TolC with MarR mutations conferring resistance to ciprofloxacin and
ANOVA Pval: 0.0668



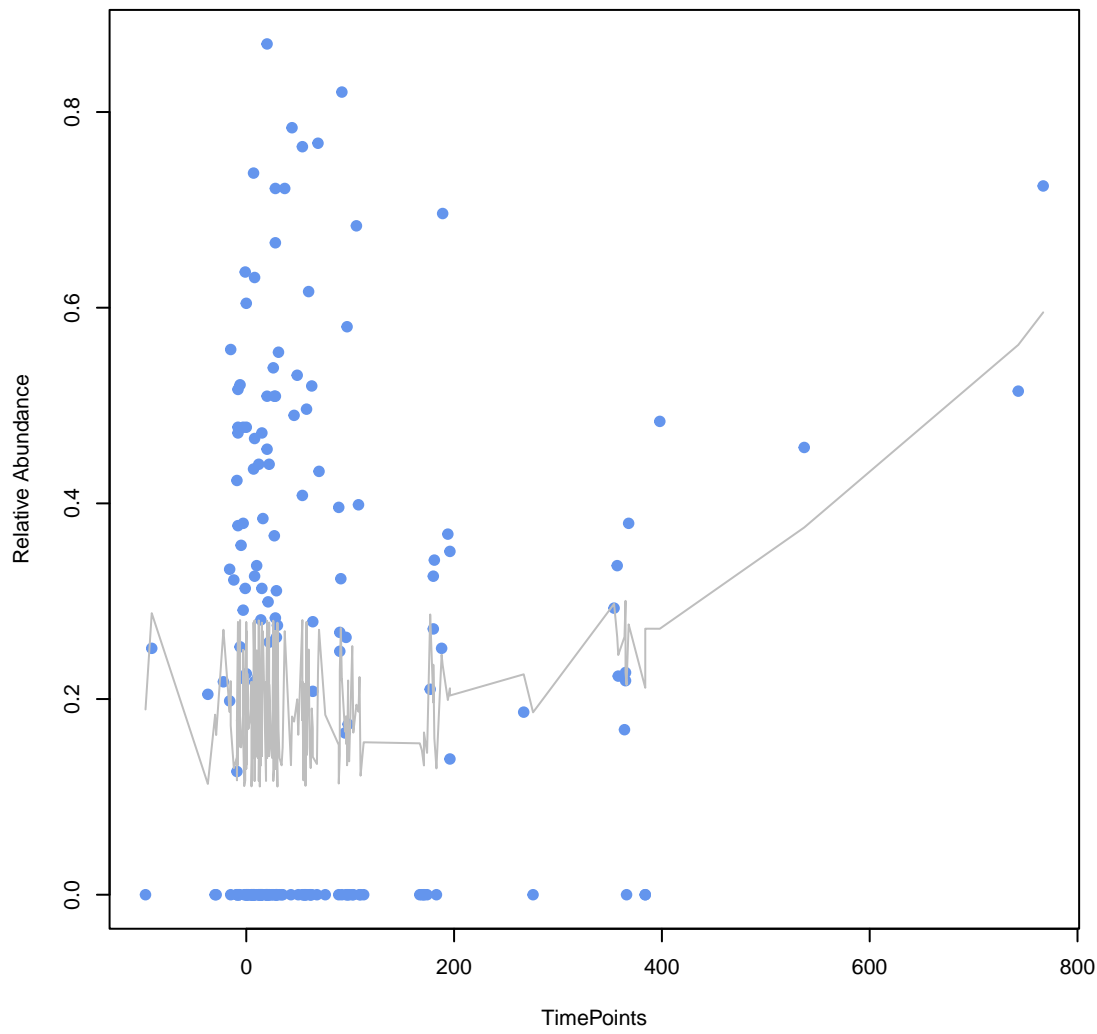
RGI
mdtB
ANOVA Pval: 0.11



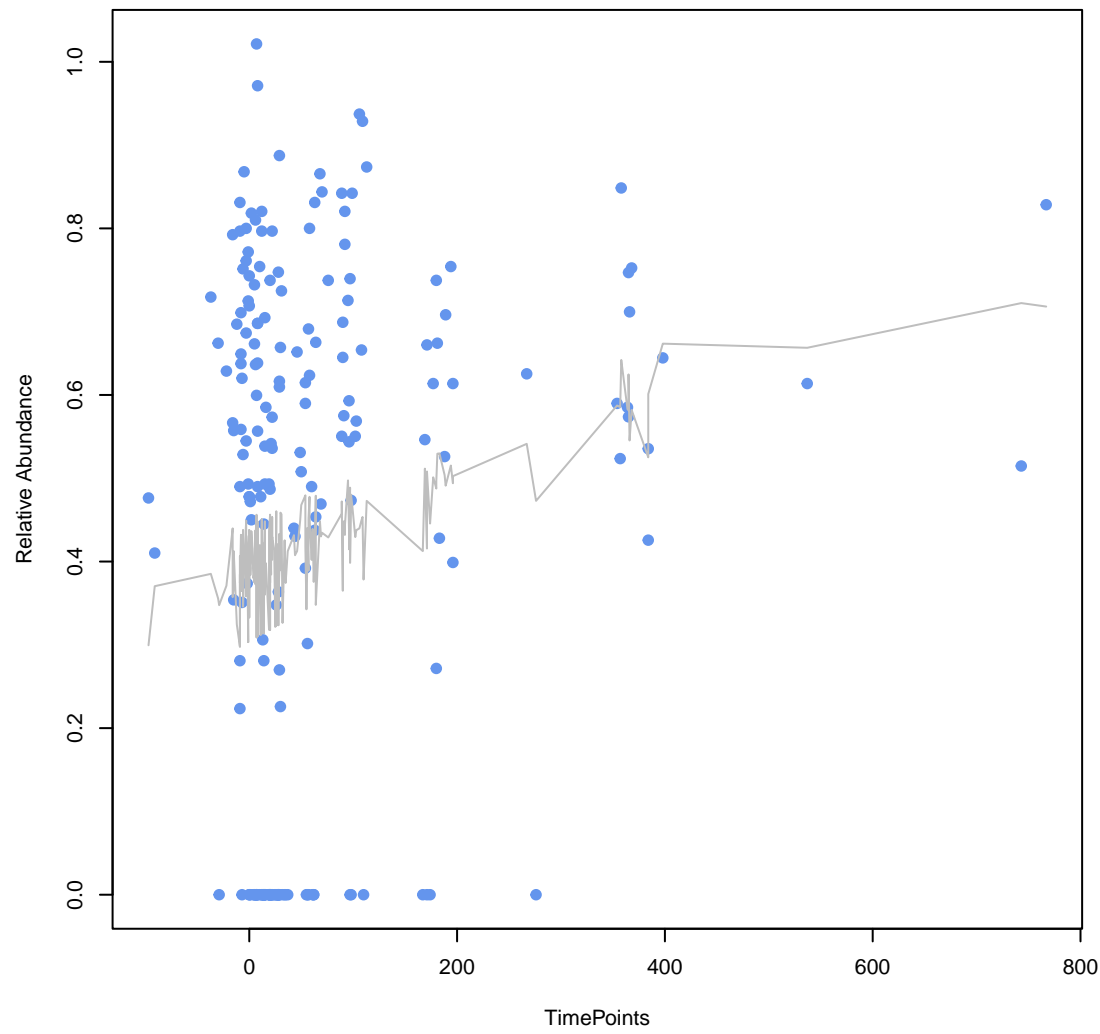
RGI
msrC
ANOVA Pval: 0.462



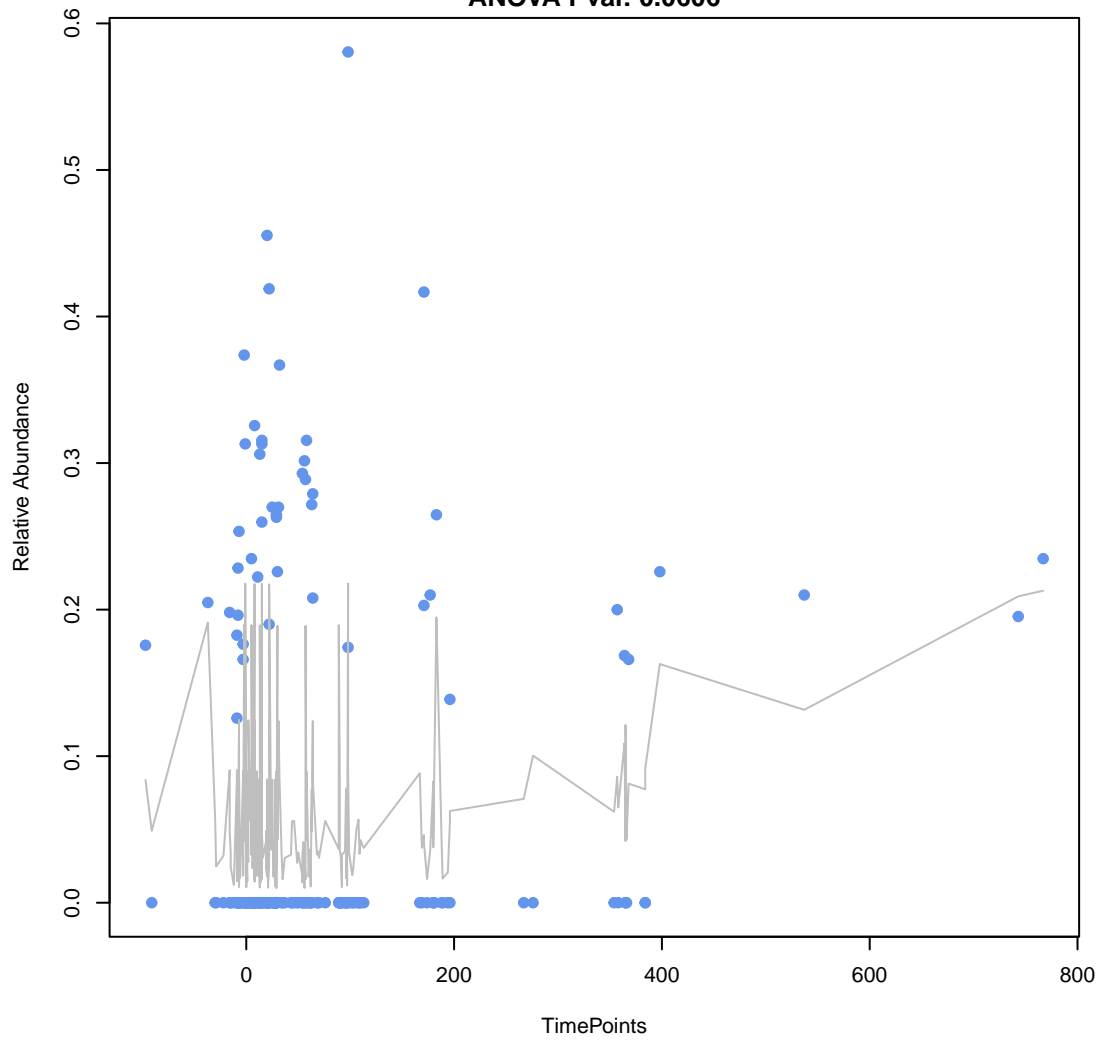
RGI
tet(44)
ANOVA Pval: 0.0228



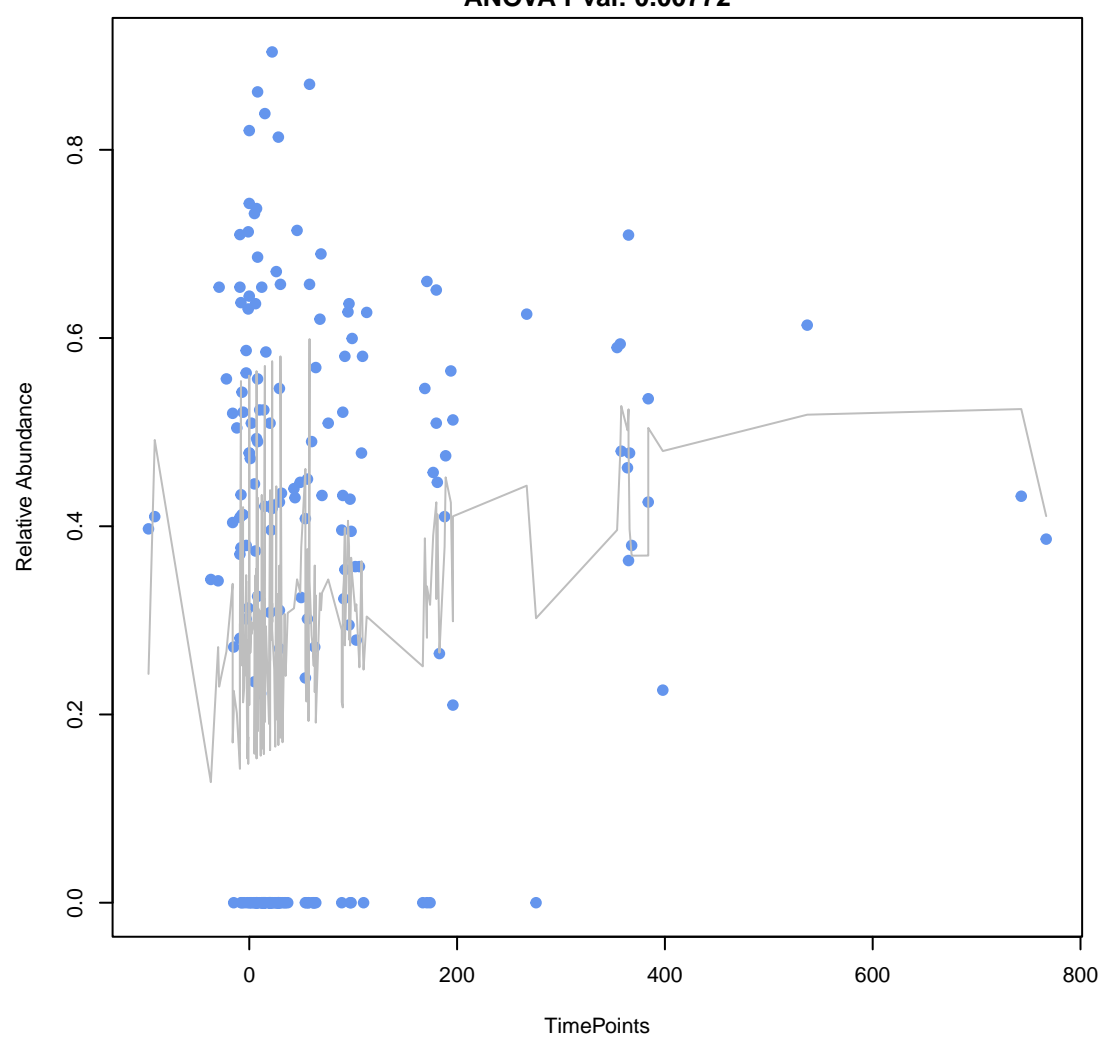
RGI
tet(T)
ANOVA Pval: 0.0115



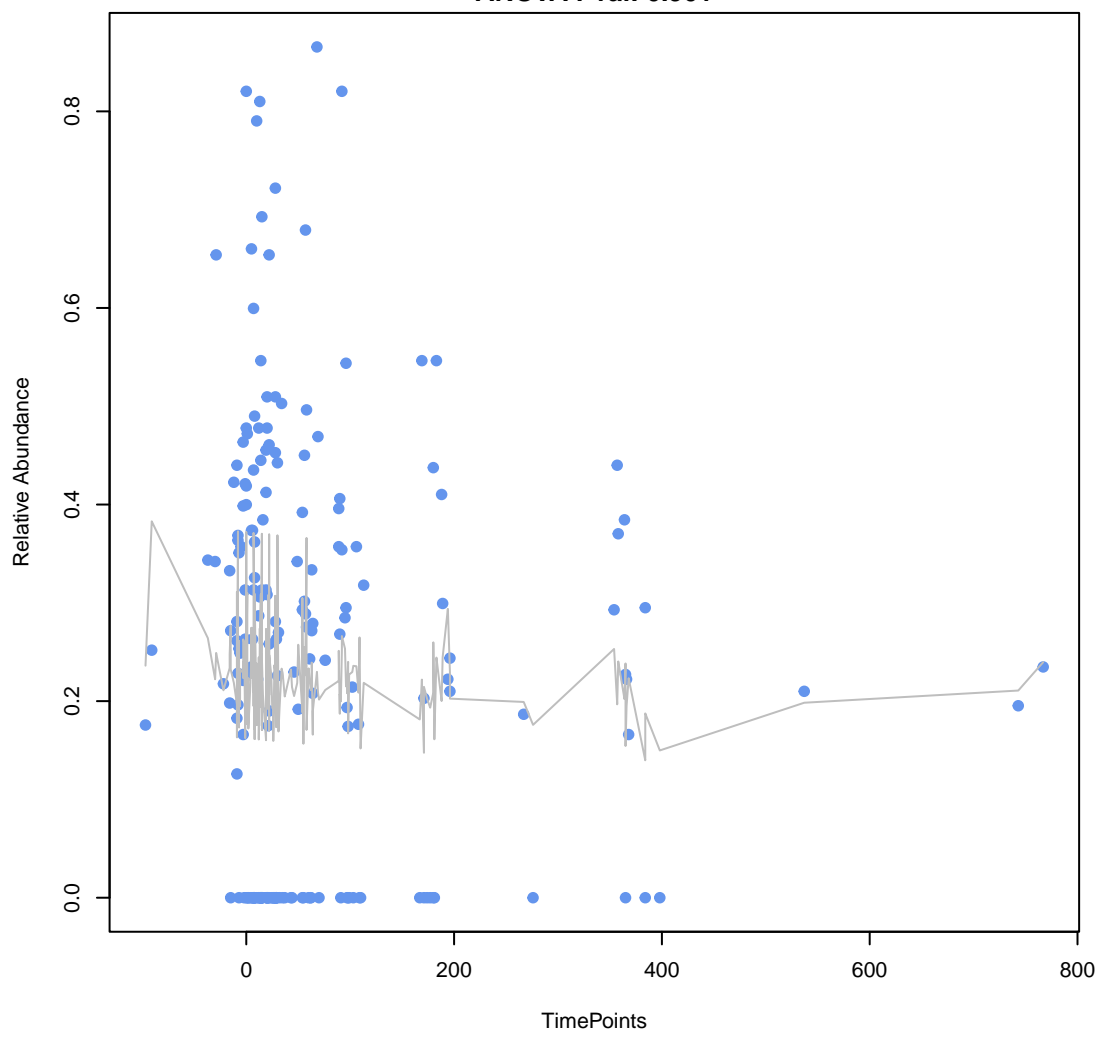
**RGI
gadW**
ANOVA Pval: 0.0606



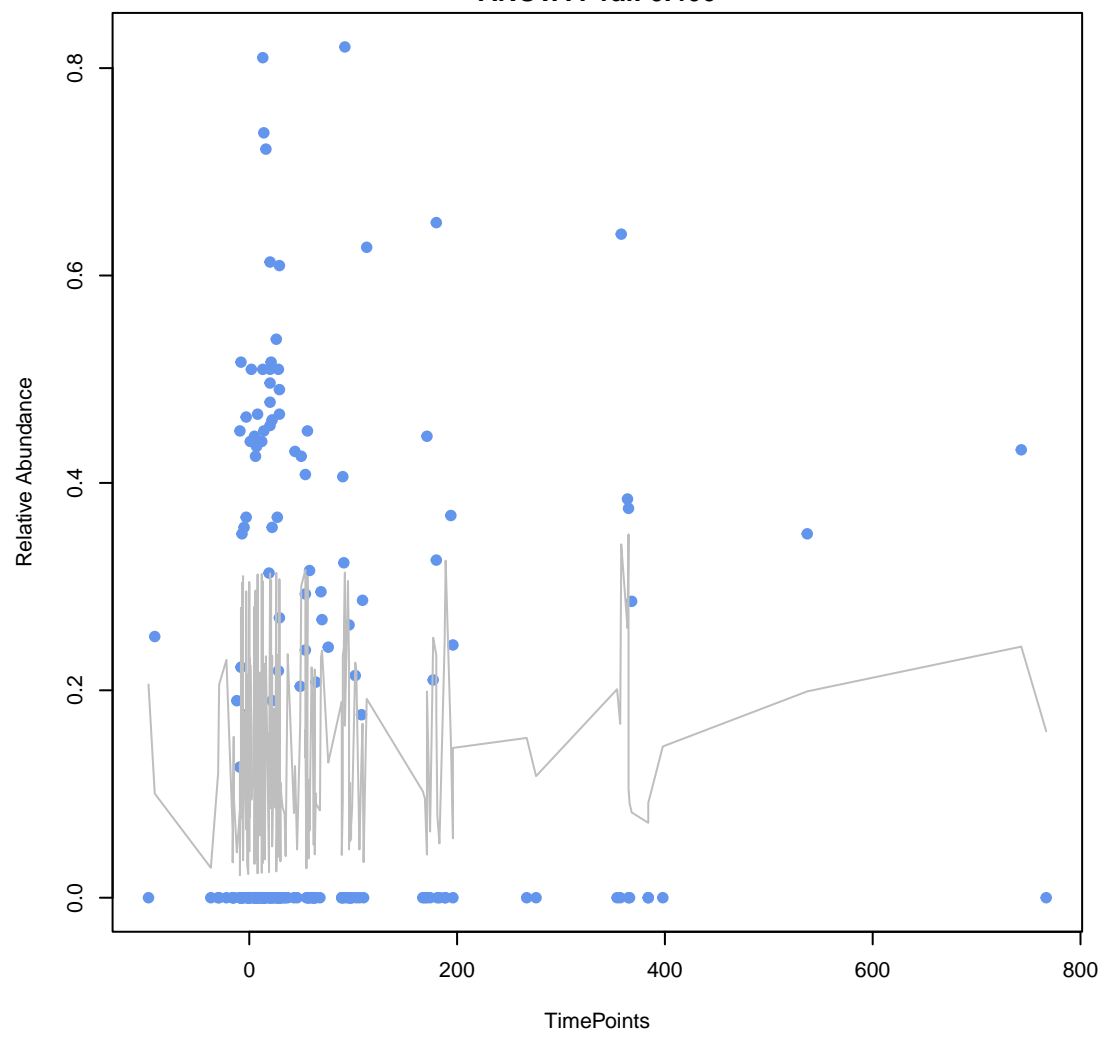
**RGI
tet(36)**
ANOVA Pval: 0.00772



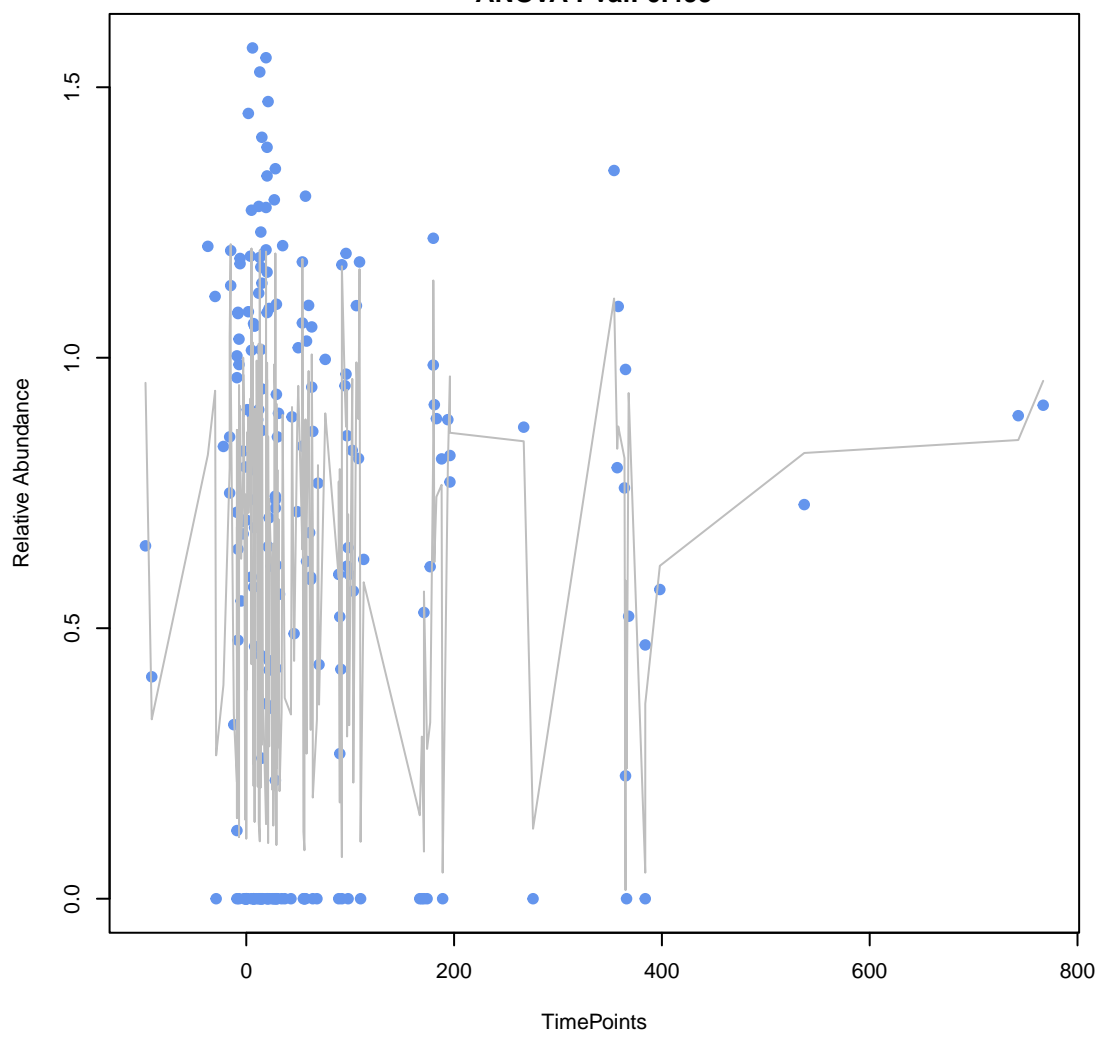
**RGI
InuC**
ANOVA Pval: 0.901



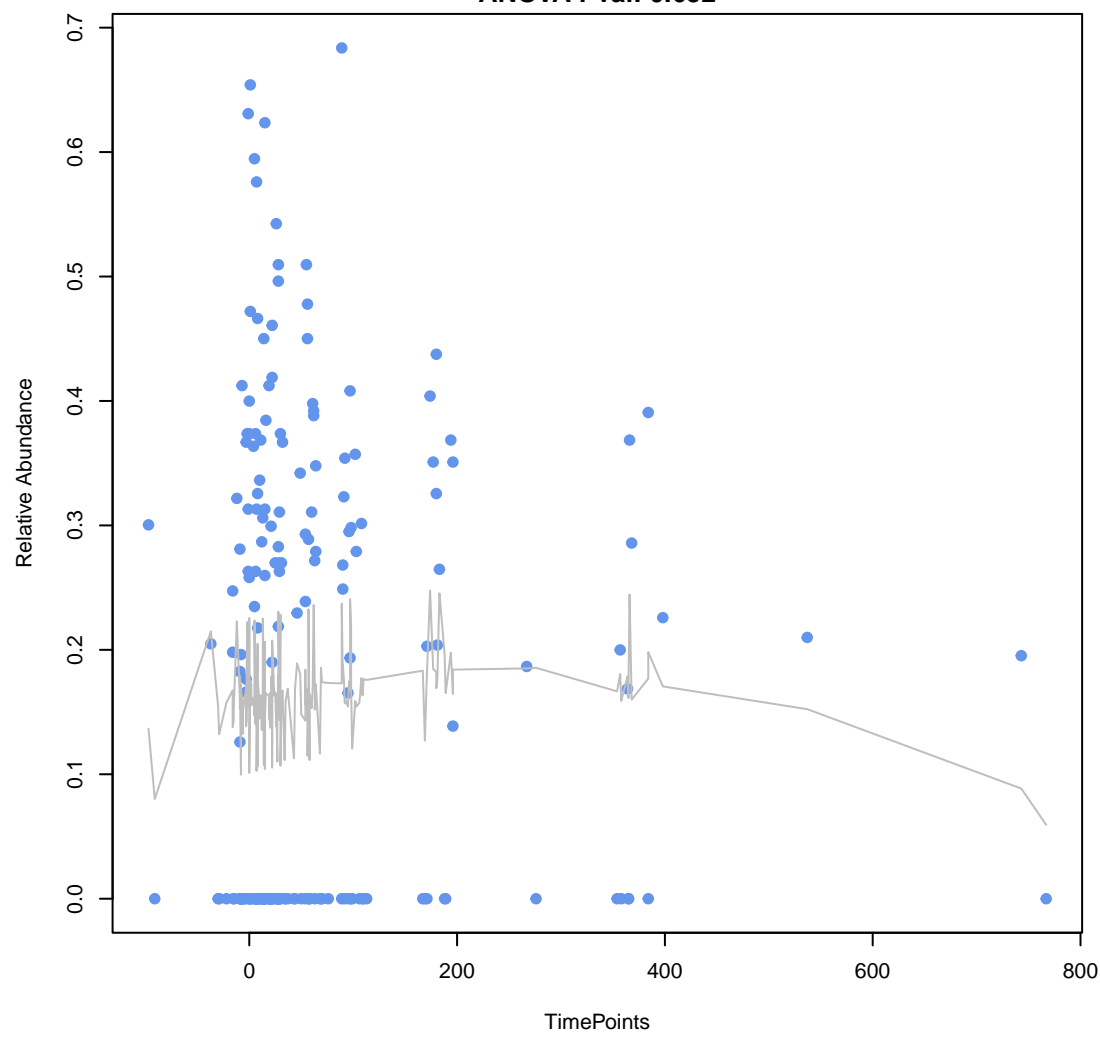
**RGI
mdeA**
ANOVA Pval: 0.466

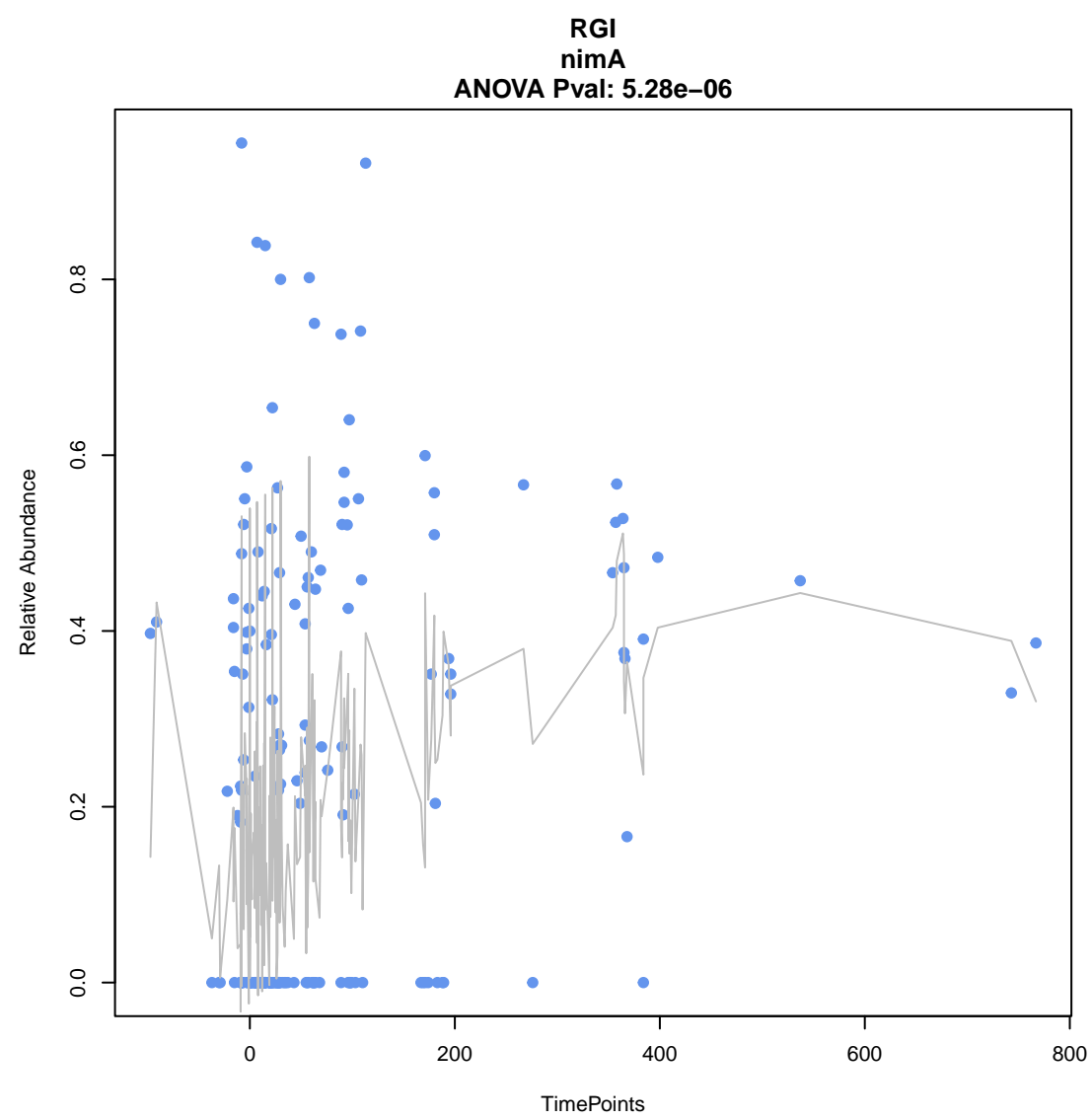
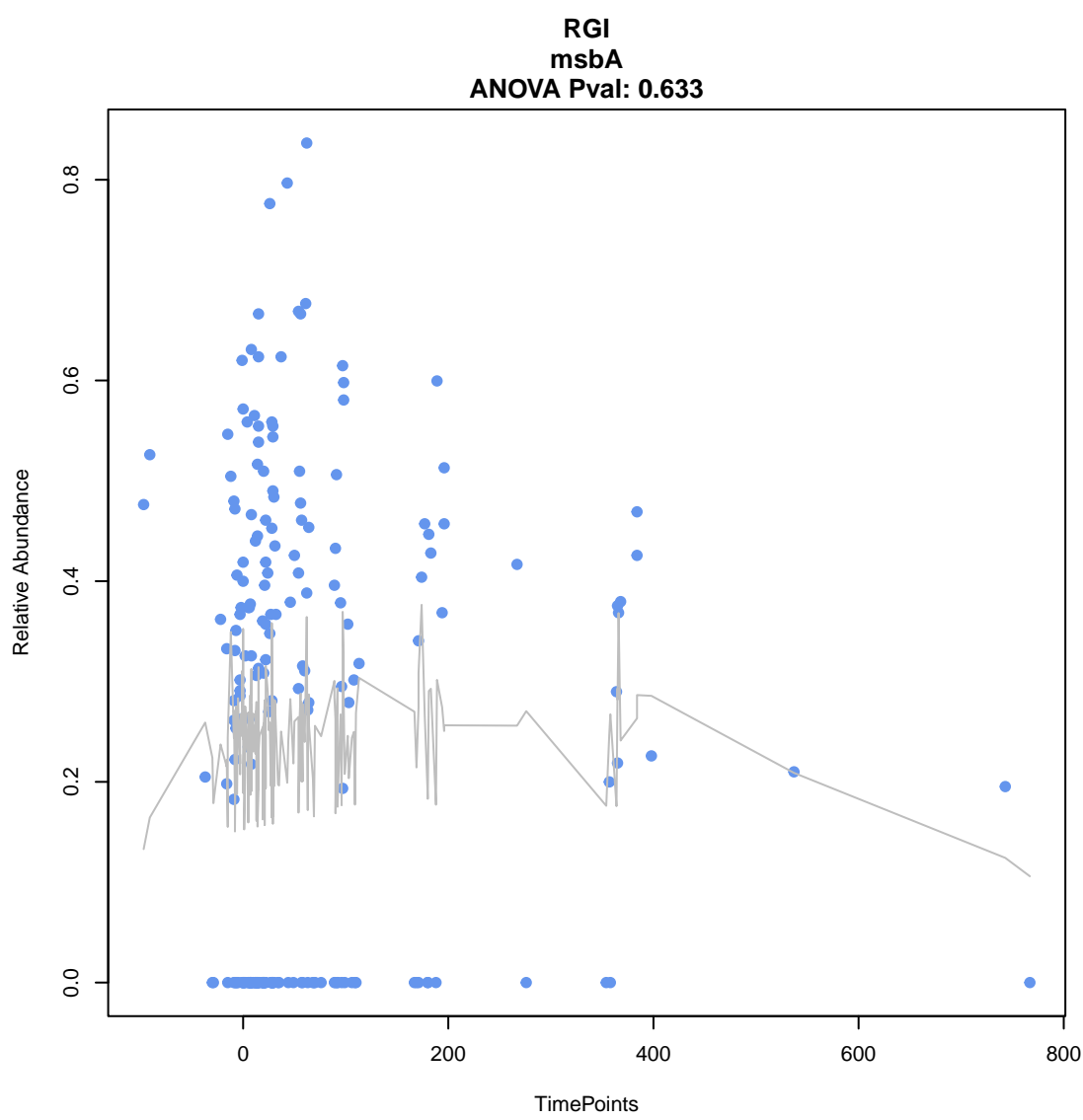
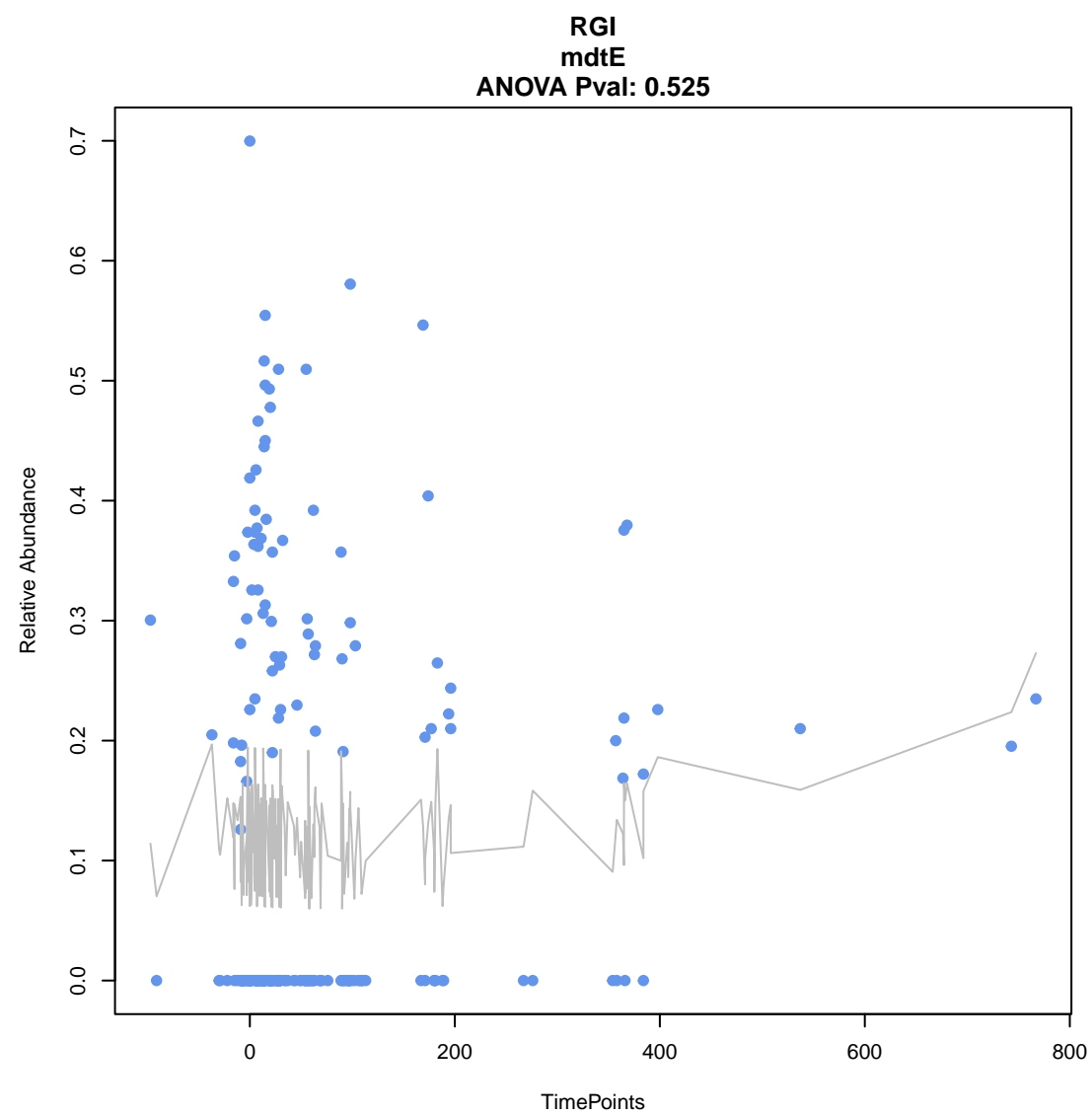
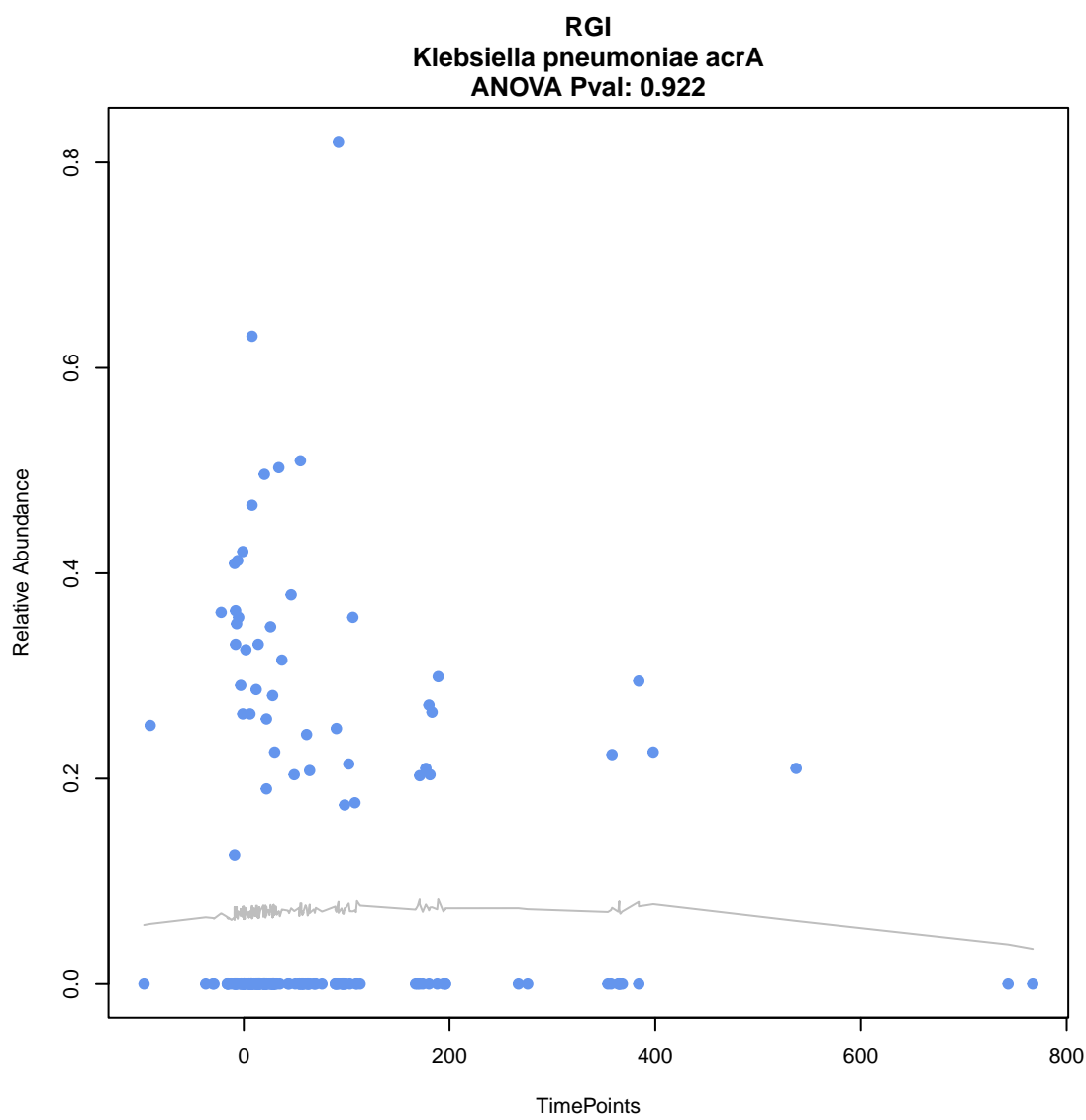
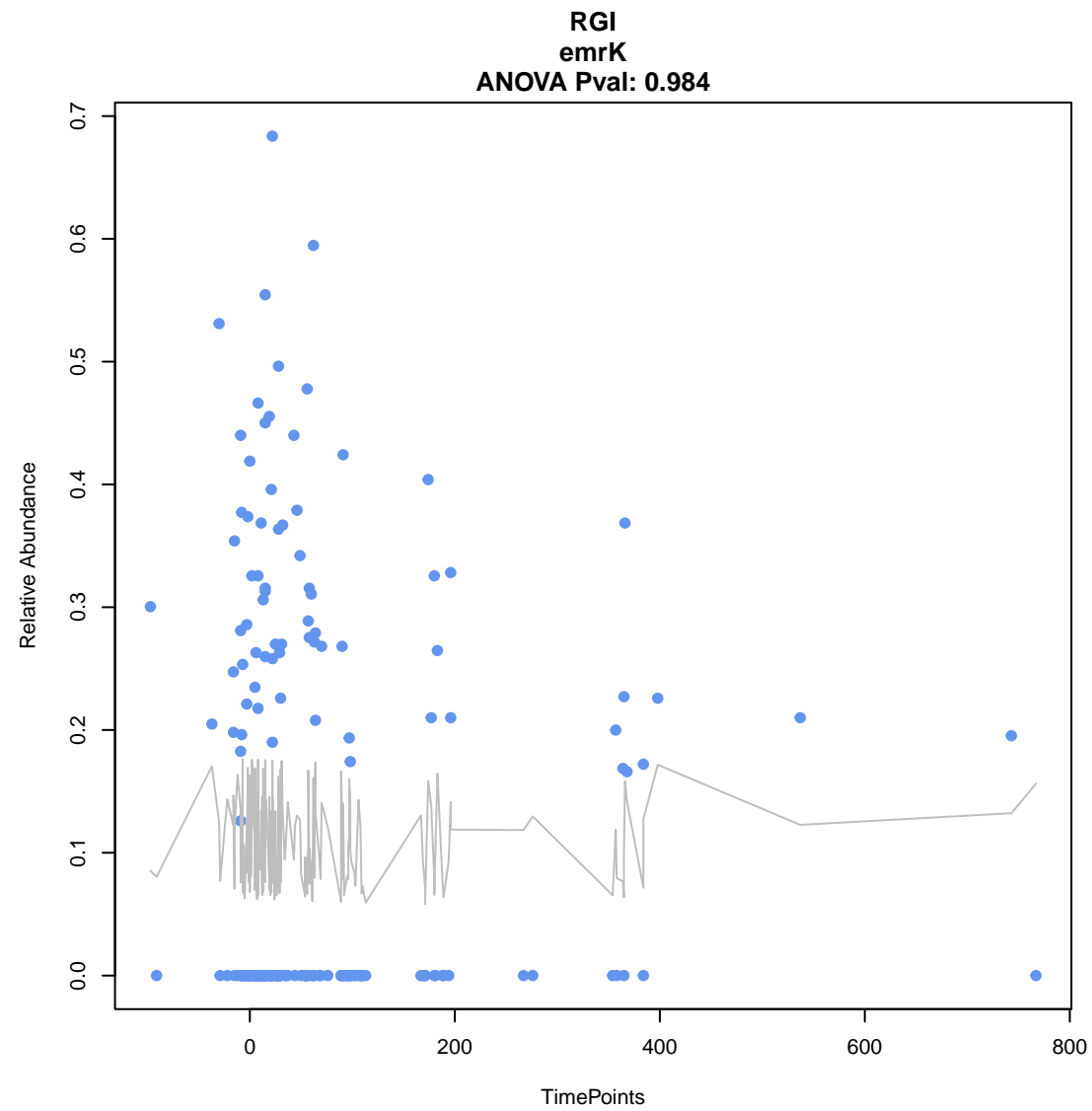
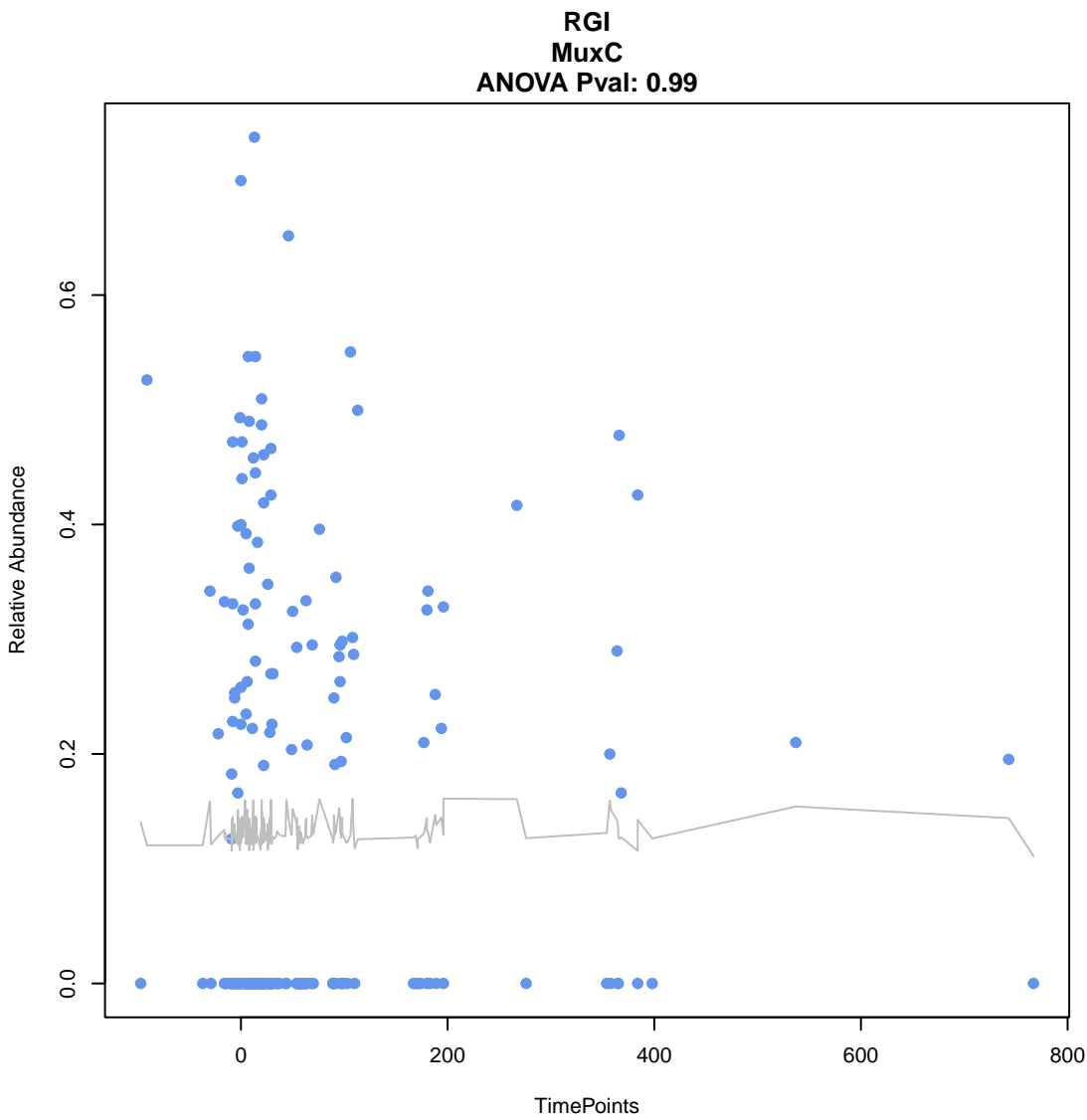


**RGI
adeF**
ANOVA Pval: 0.499

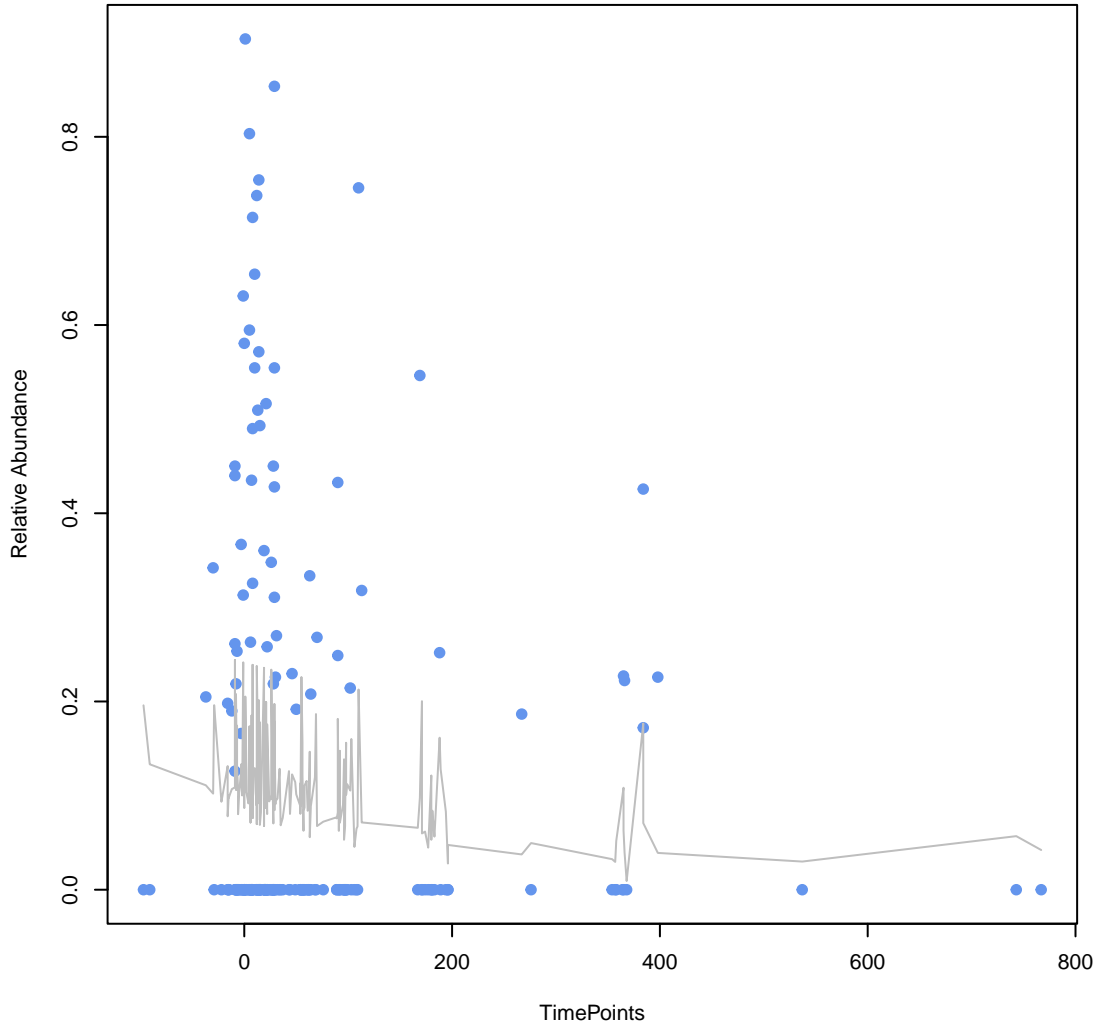


**RGI
emrA**
ANOVA Pval: 0.652

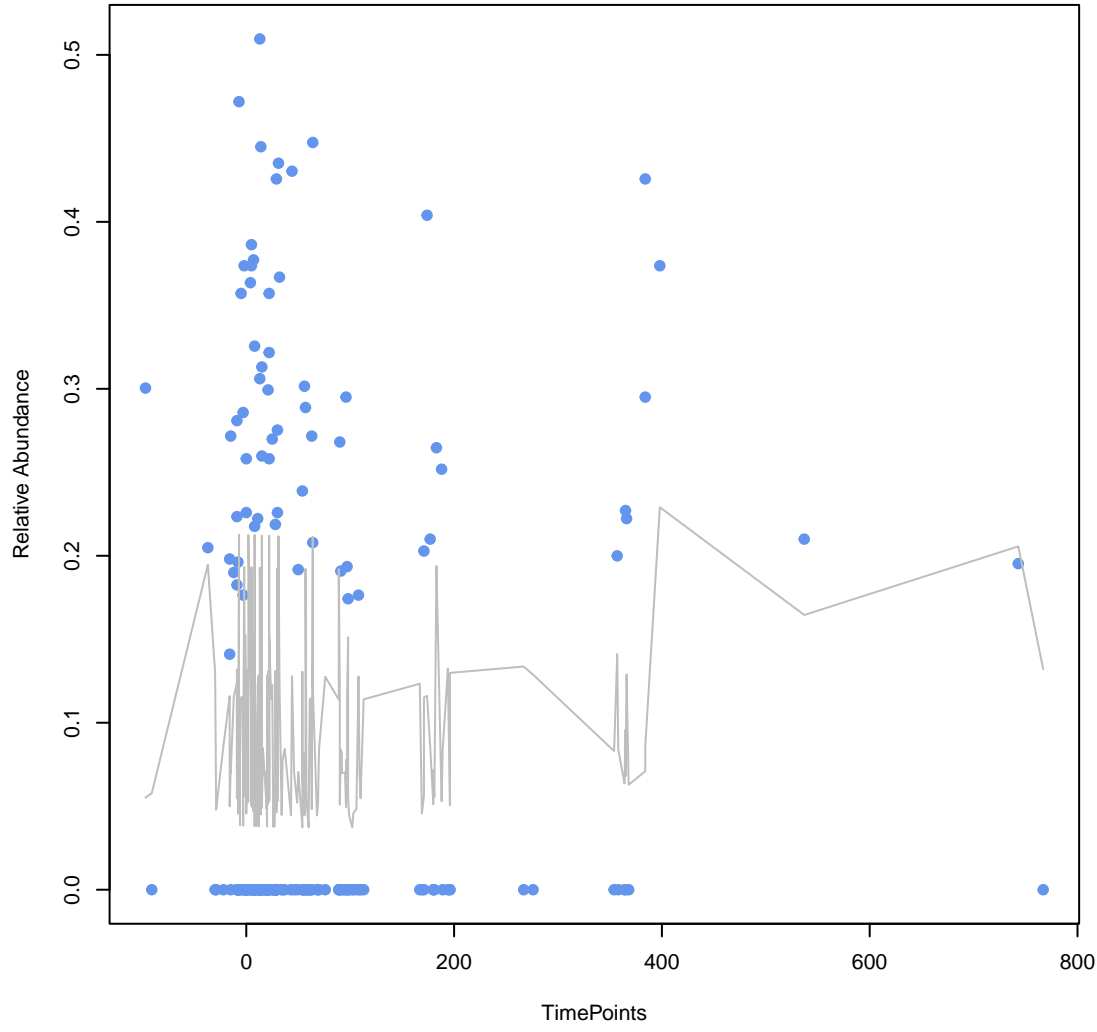




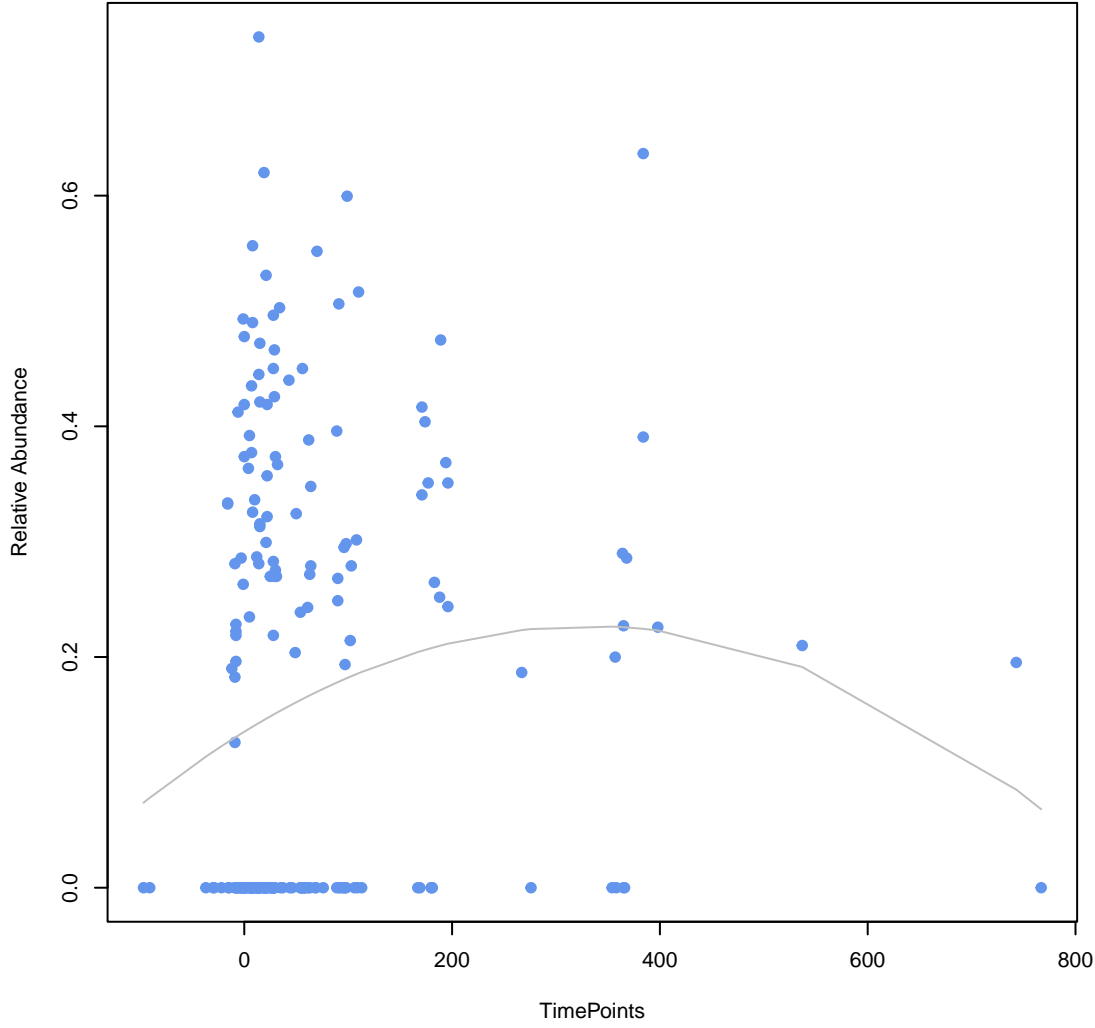
RGI
pmrA
ANOVA Pval: 0.413



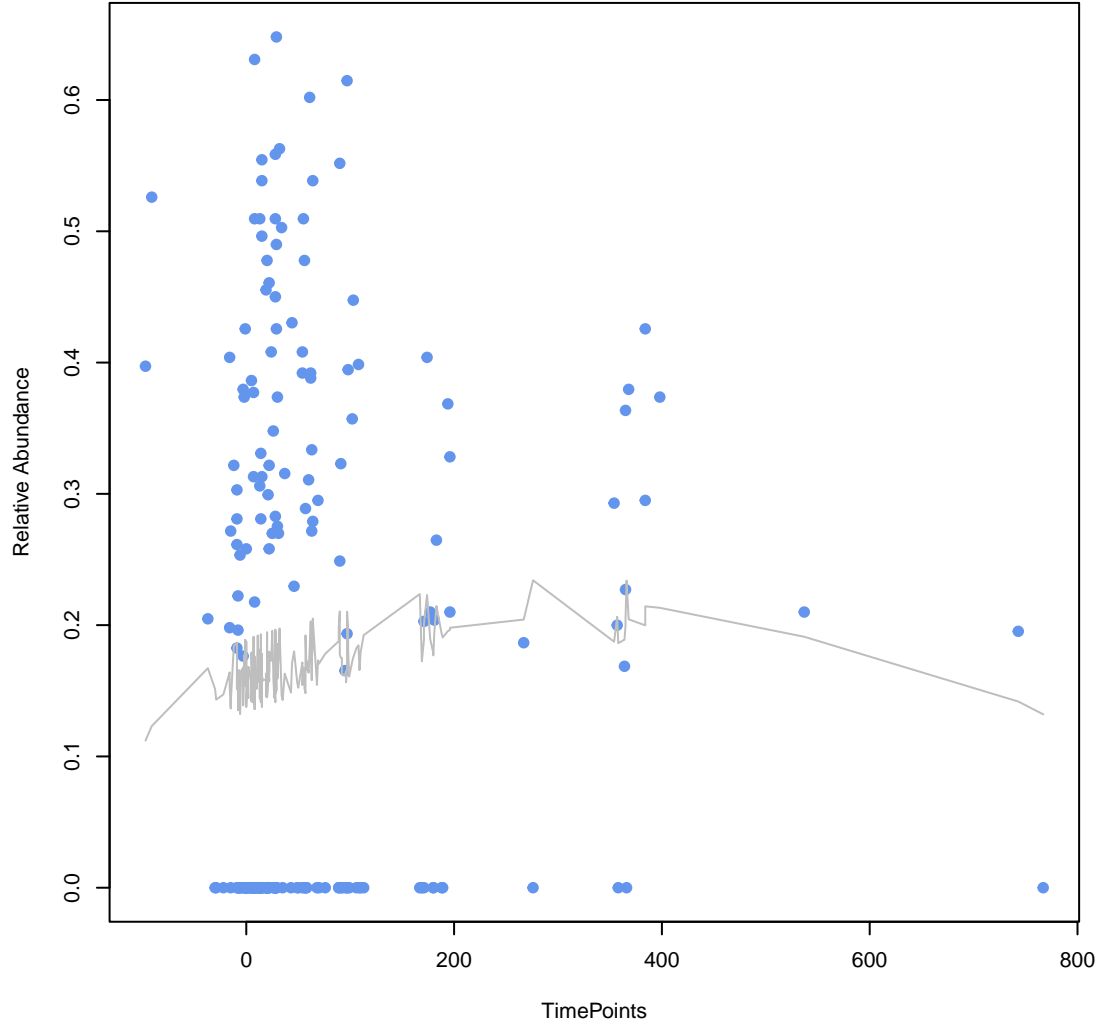
RGI
chia coli AcrAB–TolC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline
ANOVA Pval: 0.647



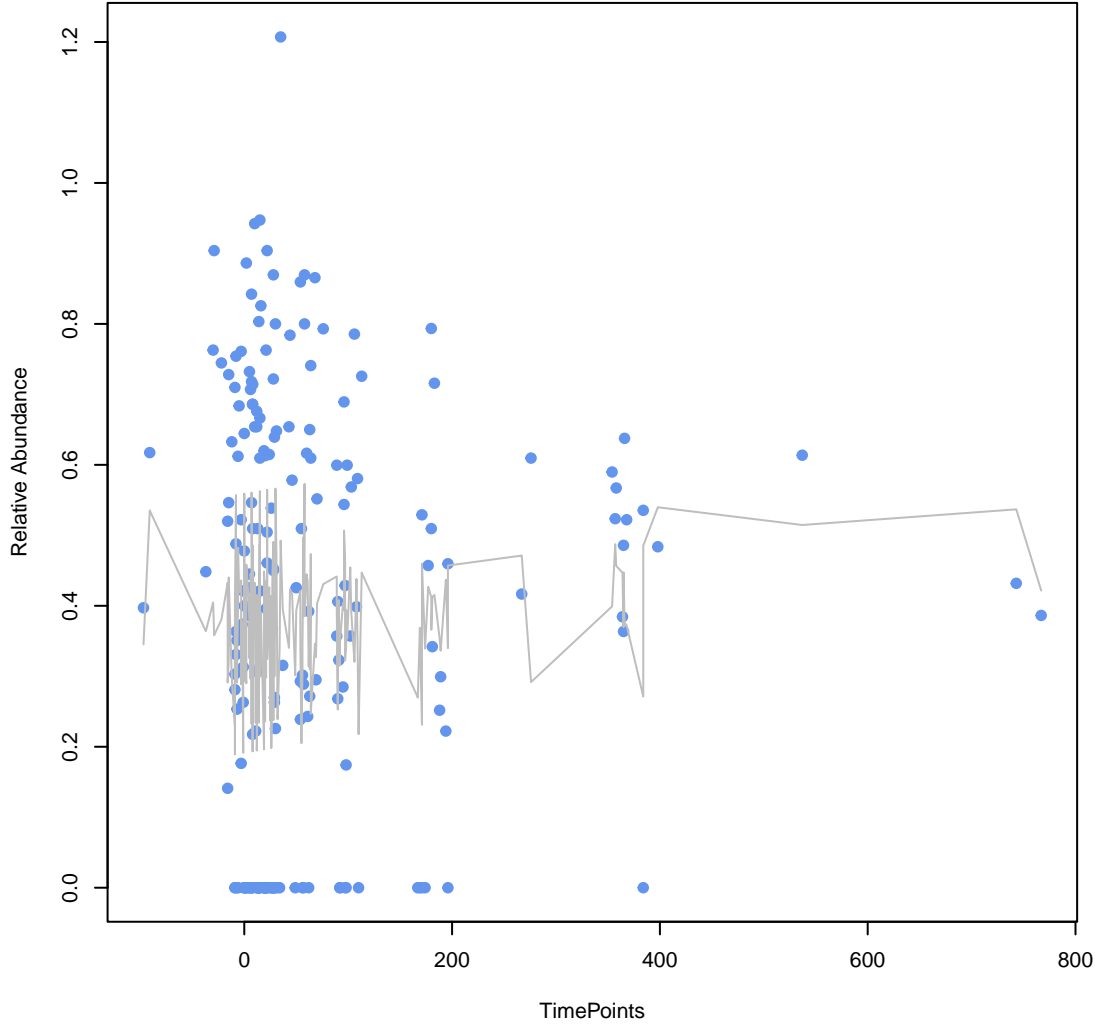
RGI
mdtM
ANOVA Pval: 0.0748



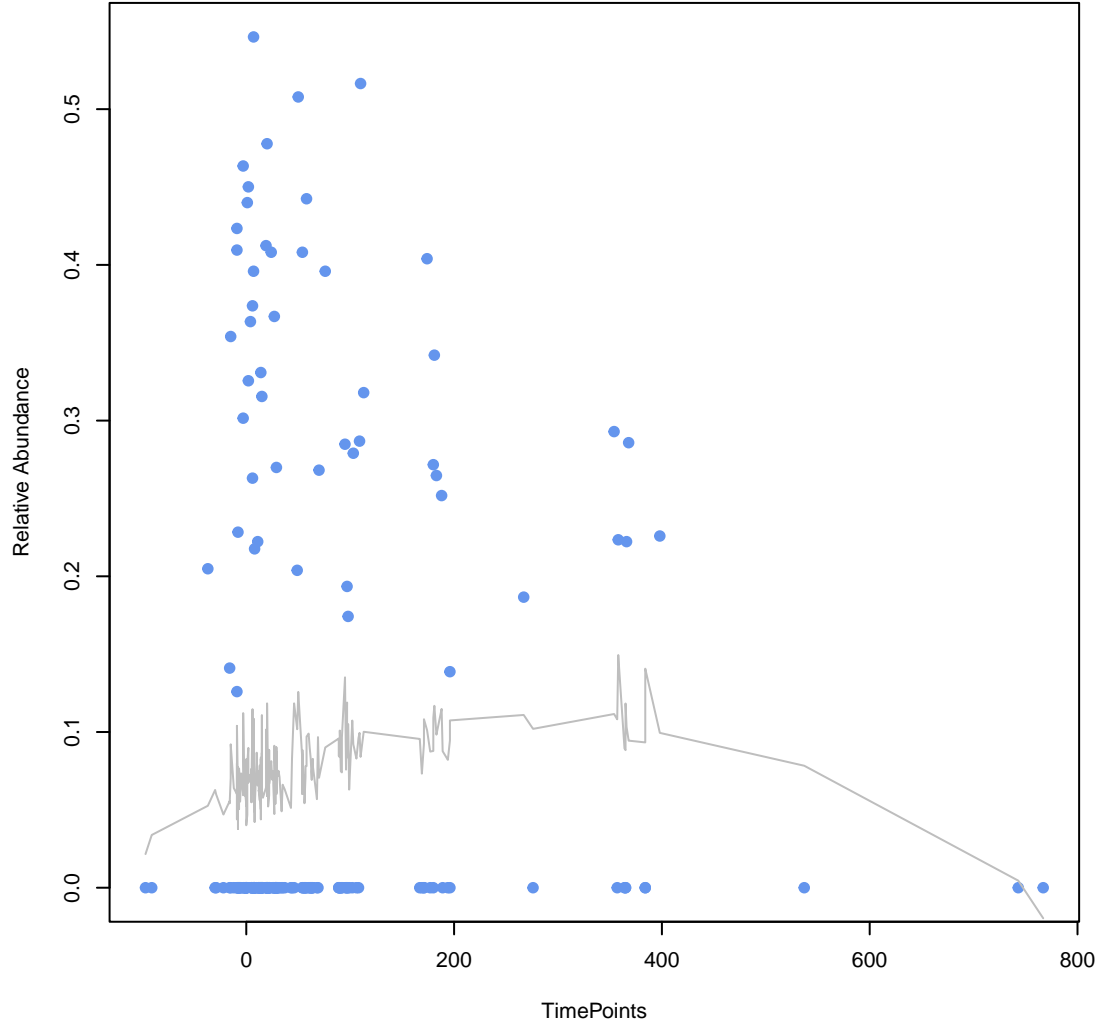
RGI
PmrF
ANOVA Pval: 0.541



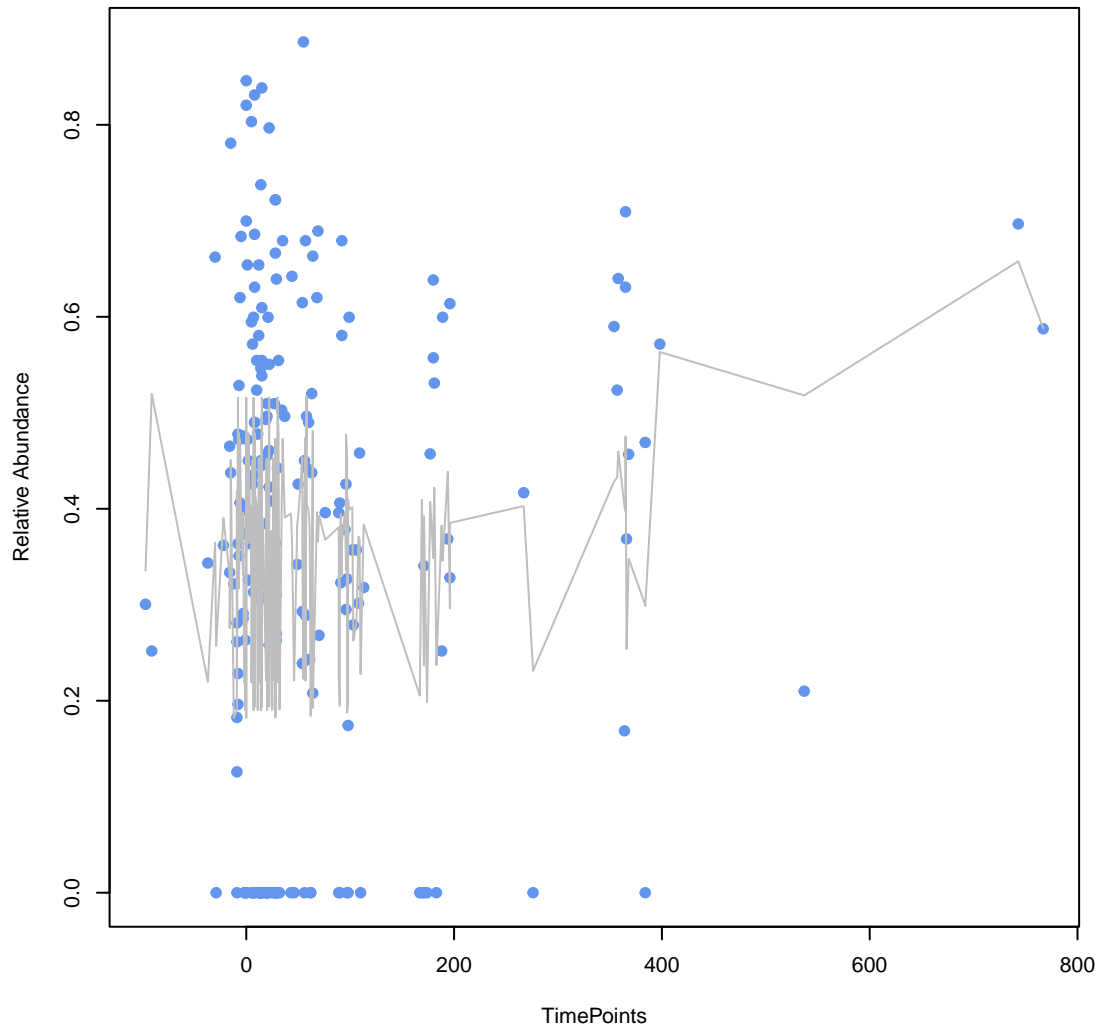
RGI
poxtA
ANOVA Pval: 0.5



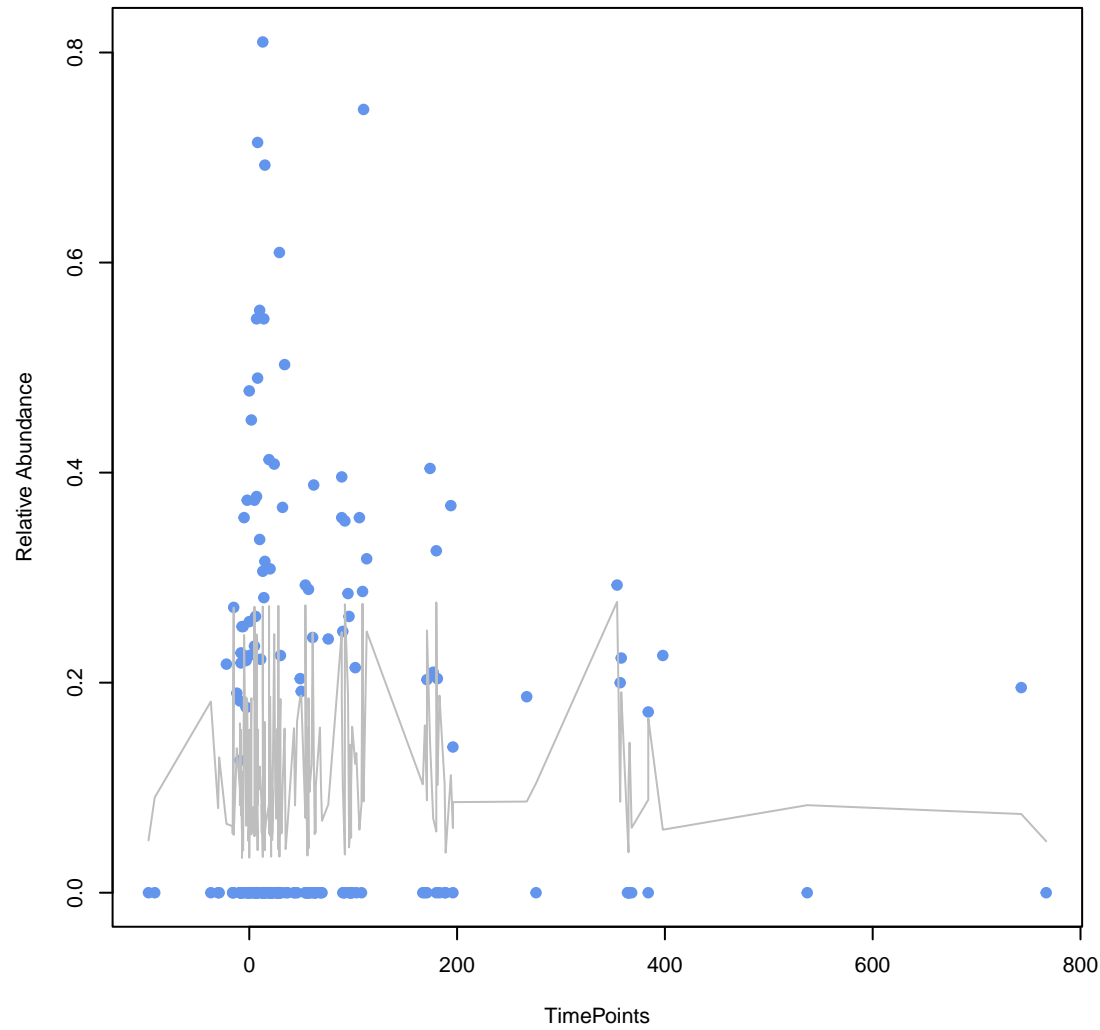
RGI
mtrD
ANOVA Pval: 0.31



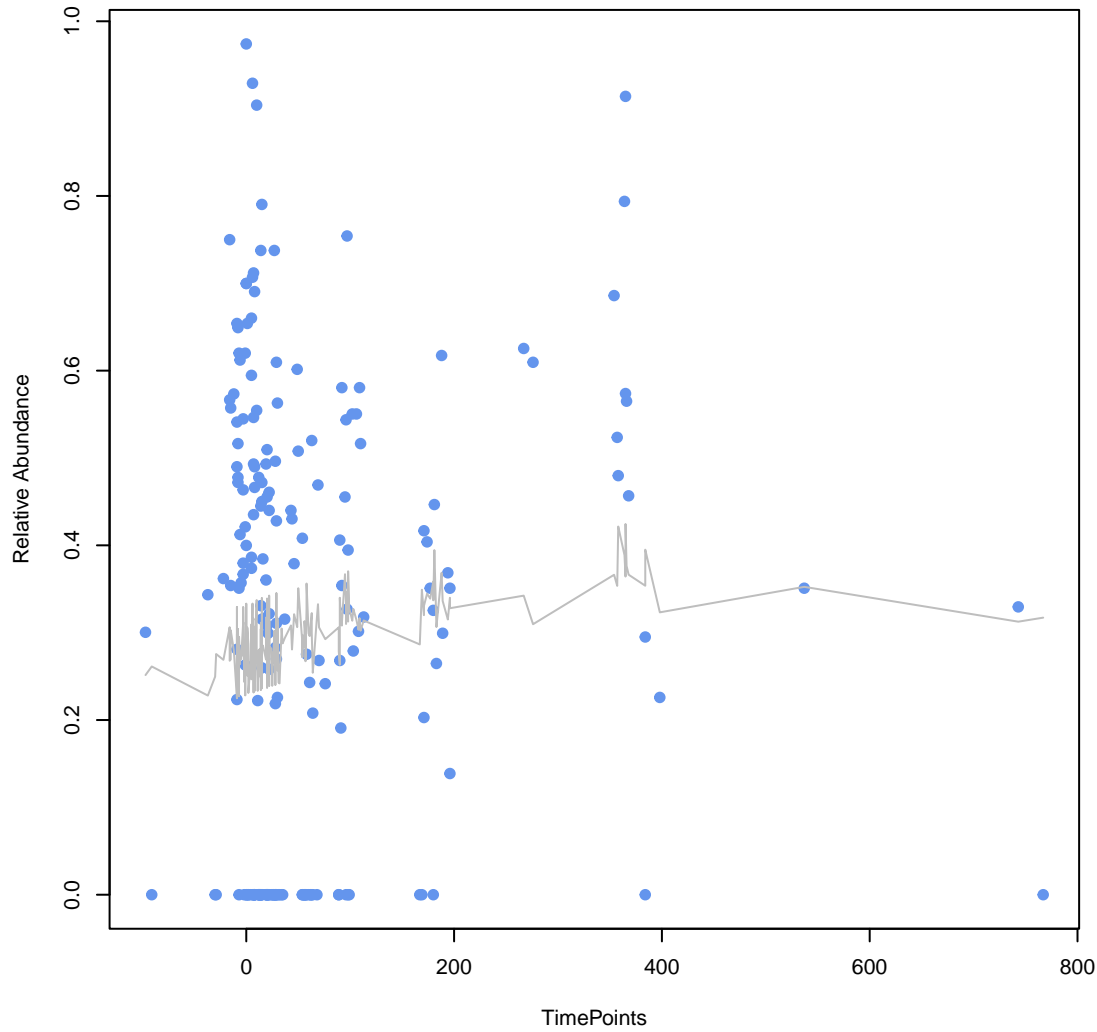
RGI
tet(32)
ANOVA Pval: 0.0938



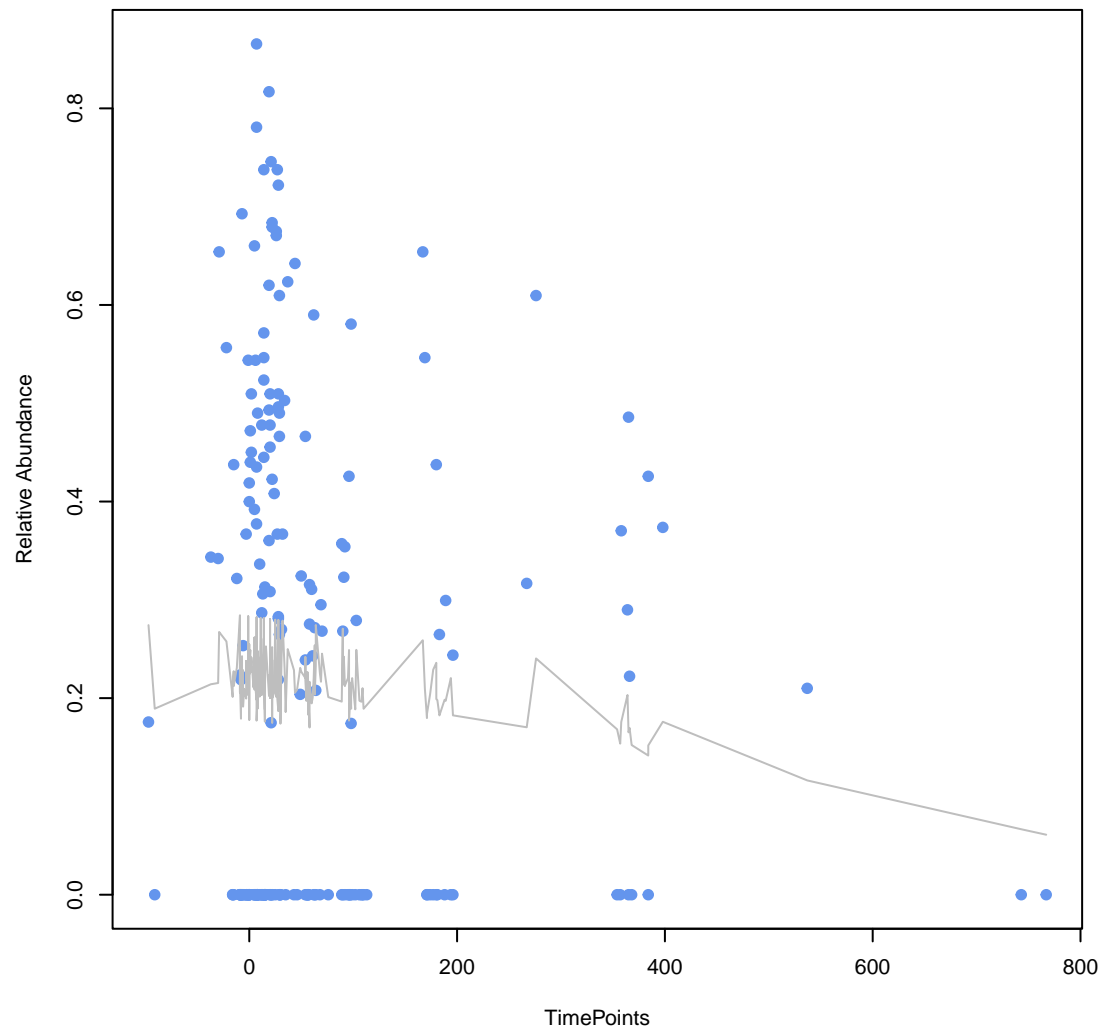
RGI
CfxA3
ANOVA Pval: 0.986



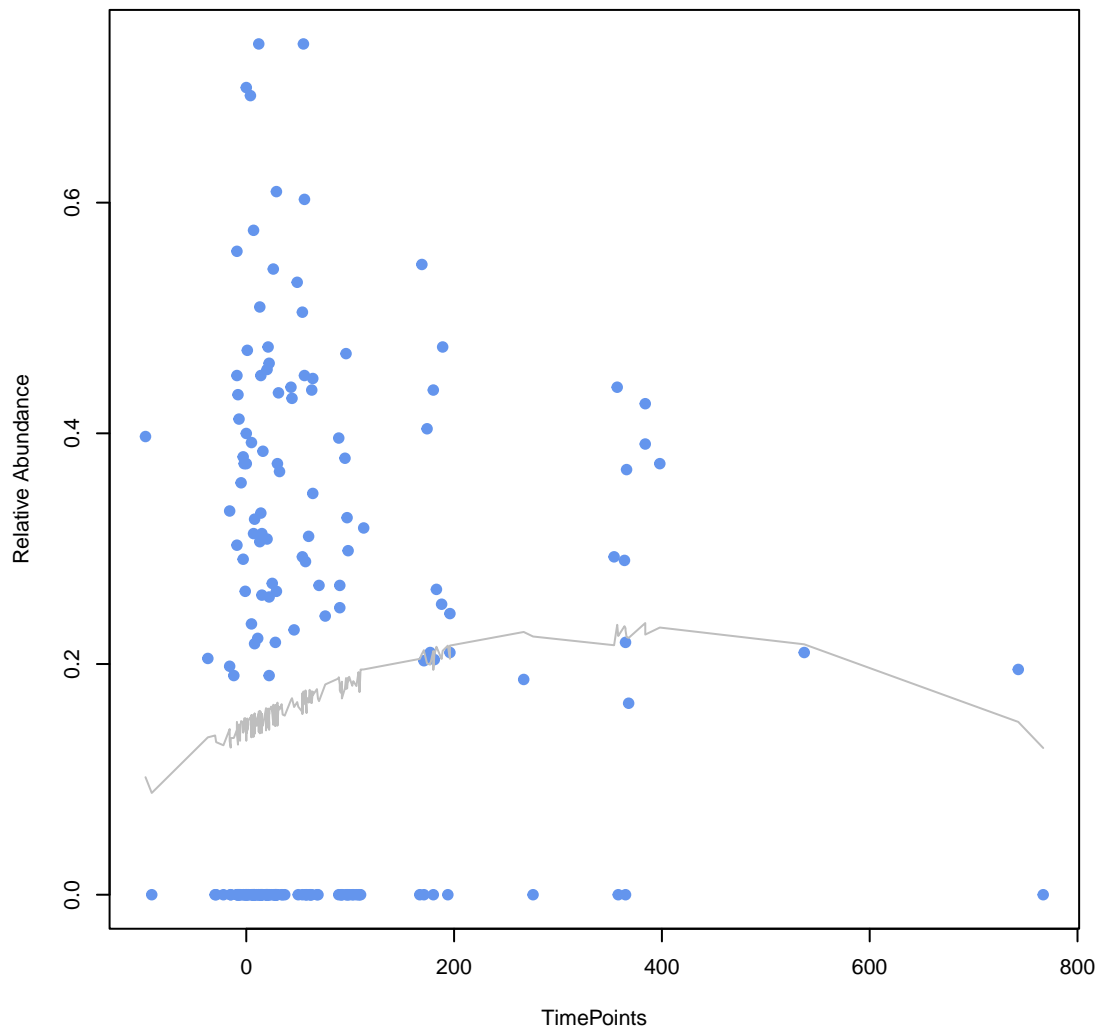
RGI
BlaB-38
ANOVA Pval: 0.326



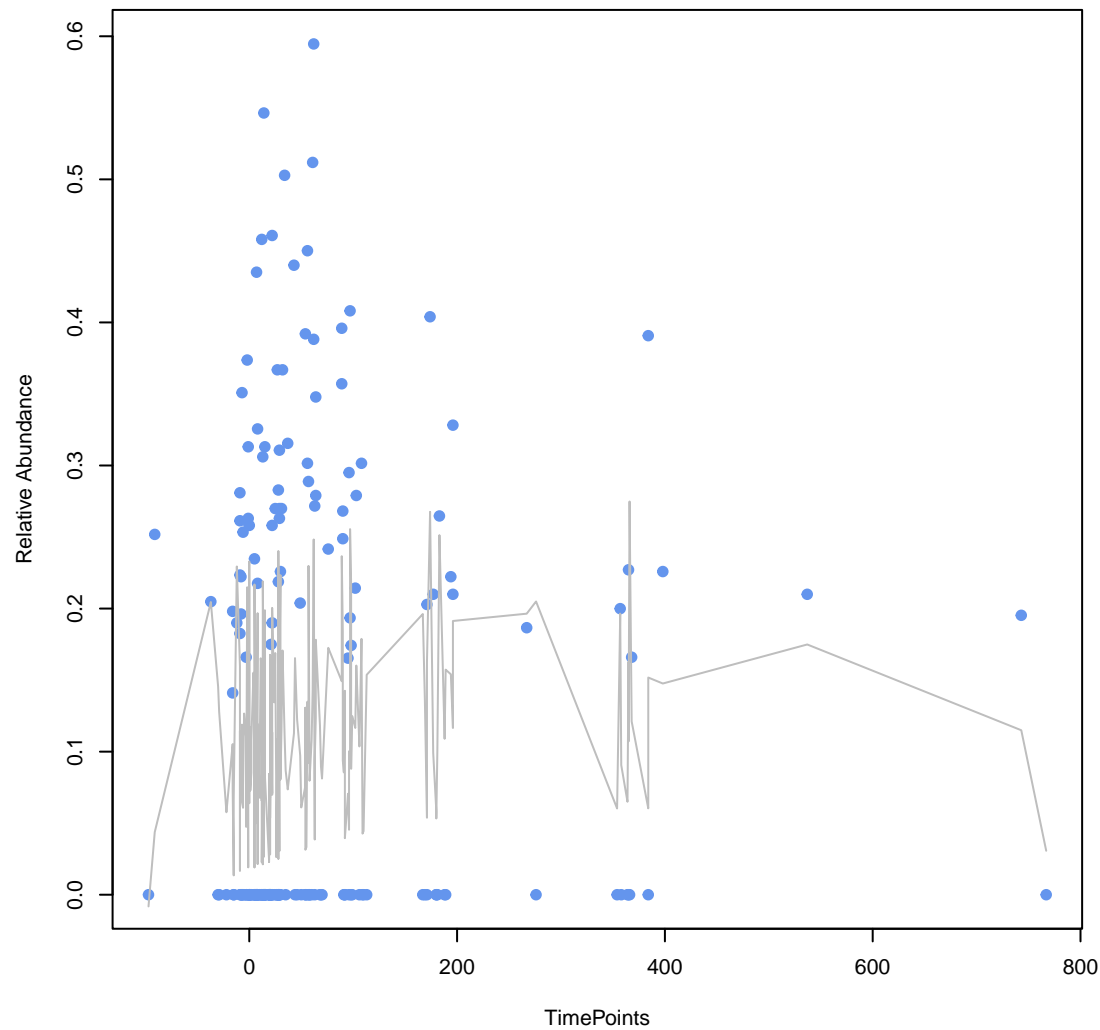
RGI
vanS gene in vanA cluster
ANOVA Pval: 0.472



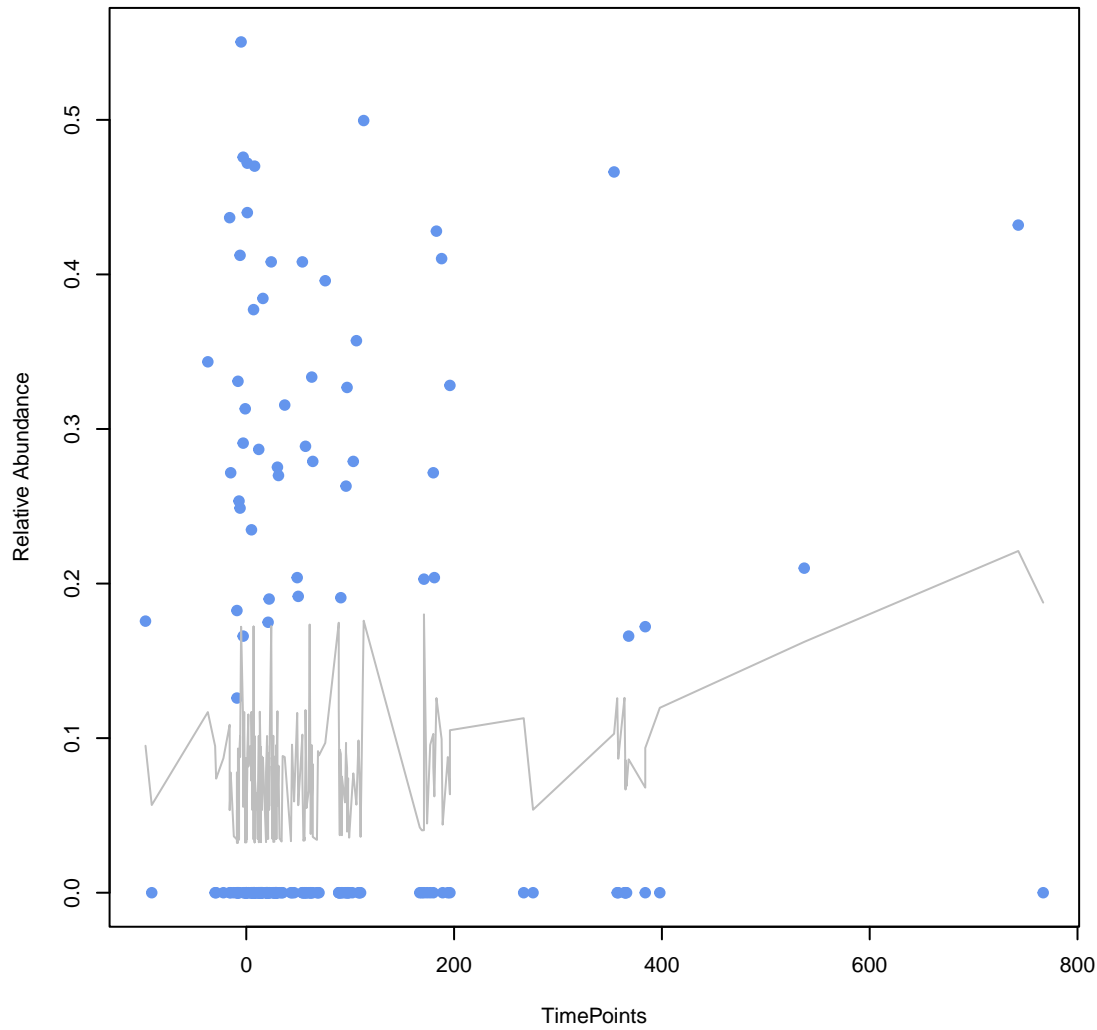
RGI
baeS
ANOVA Pval: 0.196



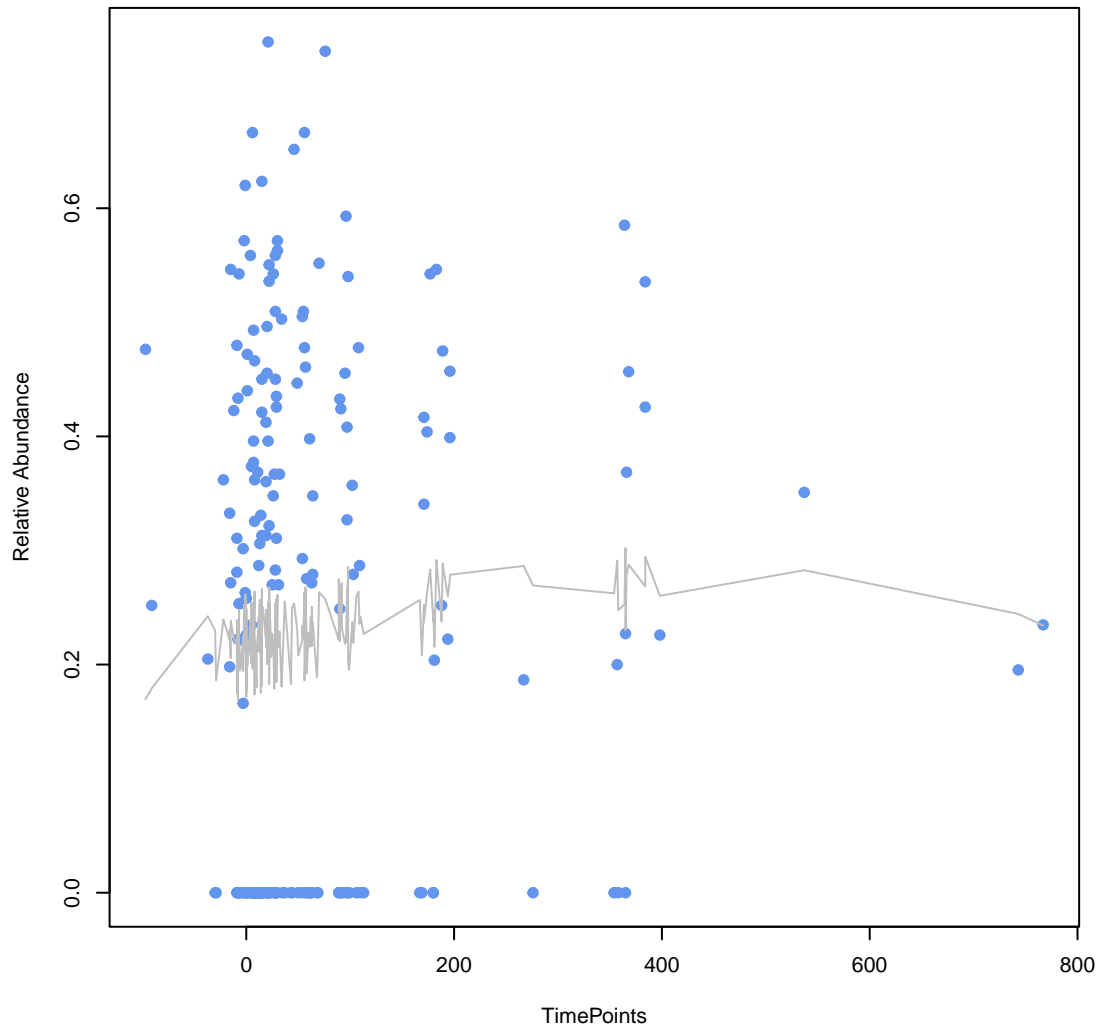
RGI
H-NS
ANOVA Pval: 0.309



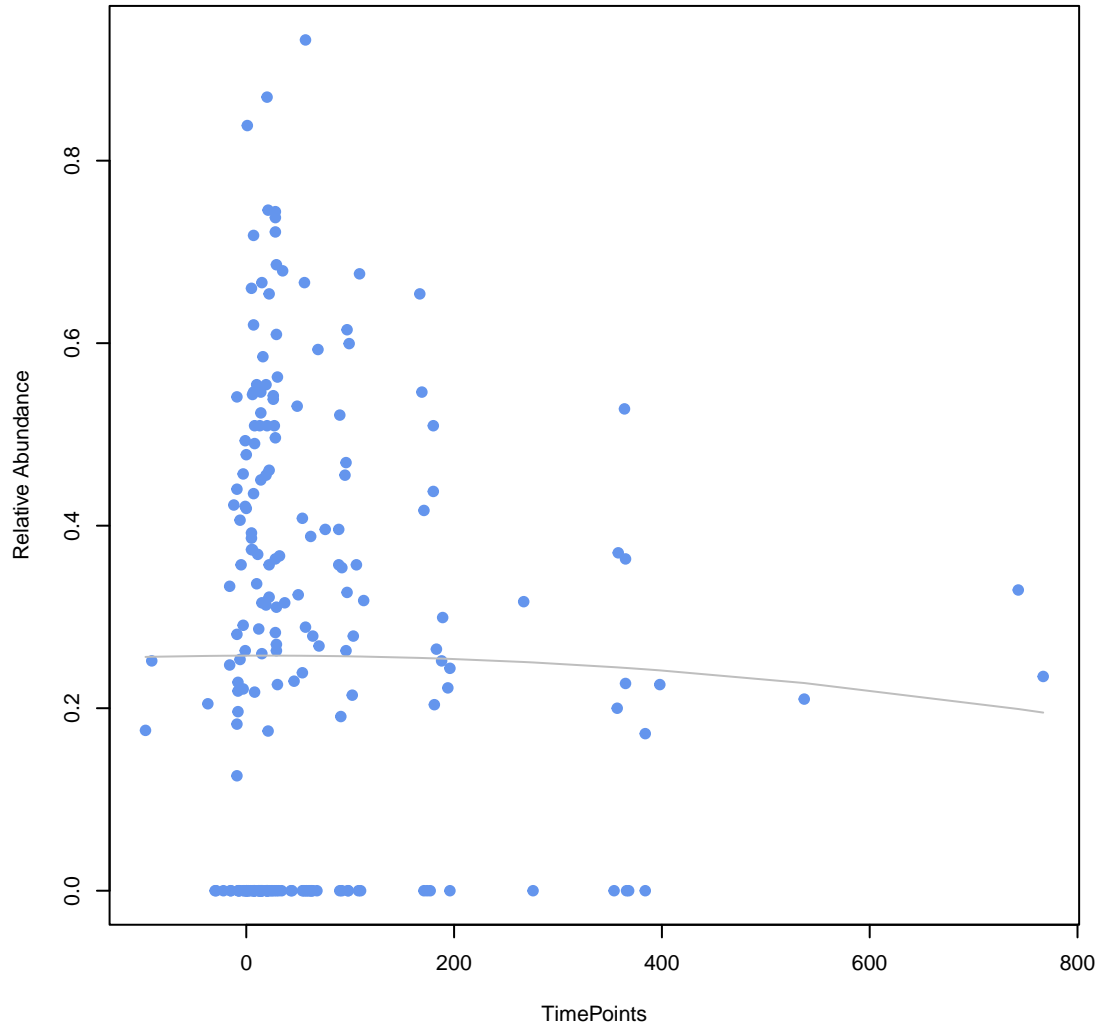
RGI
SHV-43
ANOVA Pval: 0.305



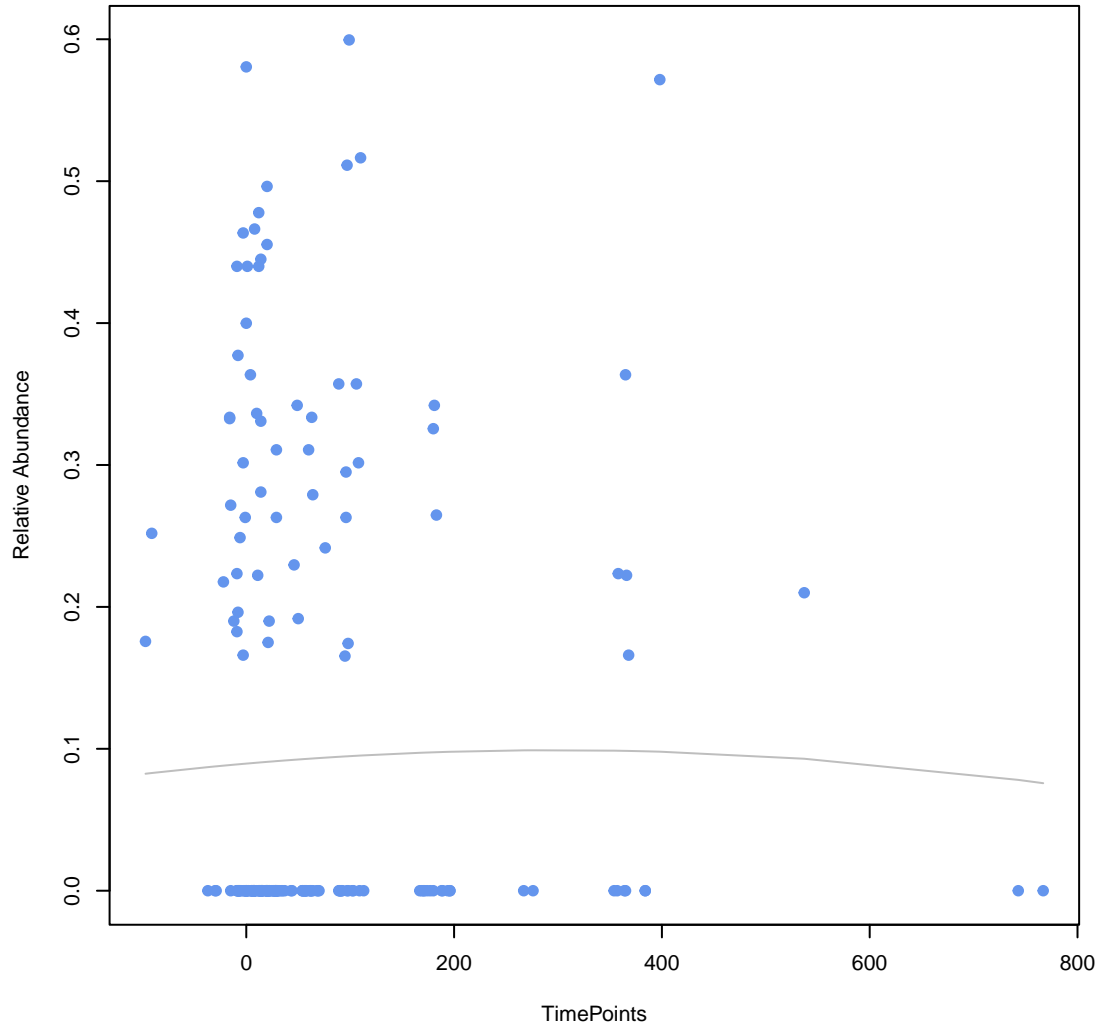
RGI
cpxA
ANOVA Pval: 0.575



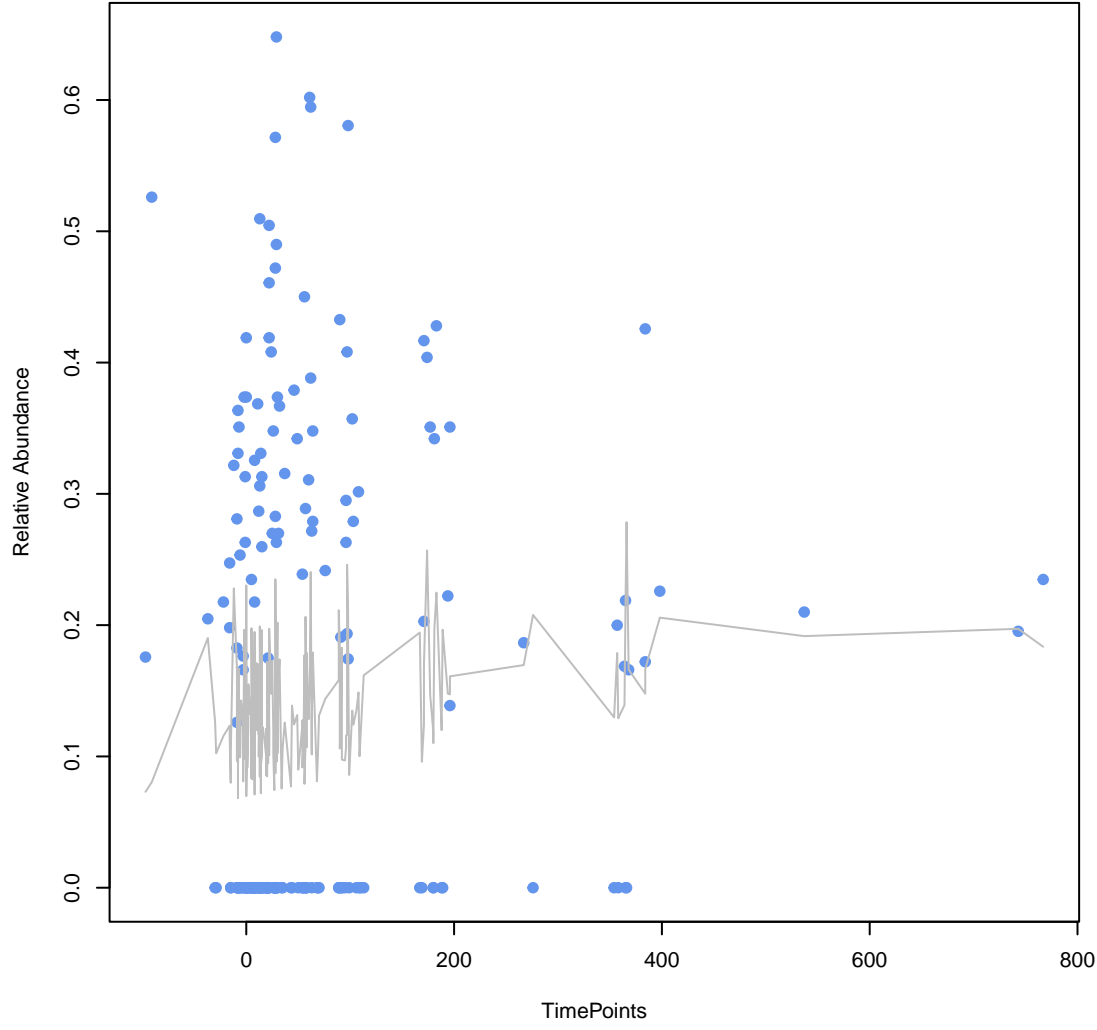
RGI
fexA
ANOVA Pval: 0.919



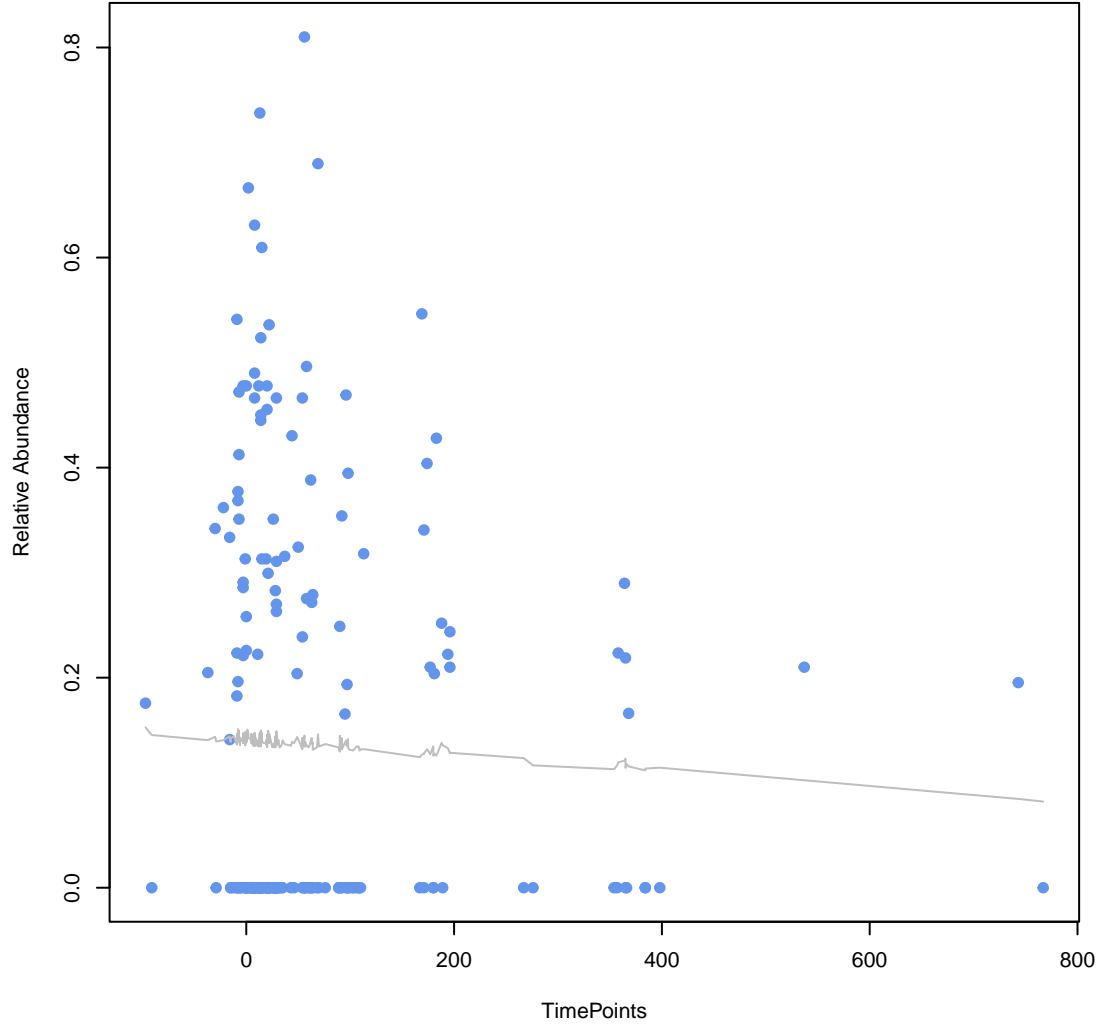
RGI
TaeA
ANOVA Pval: 0.953



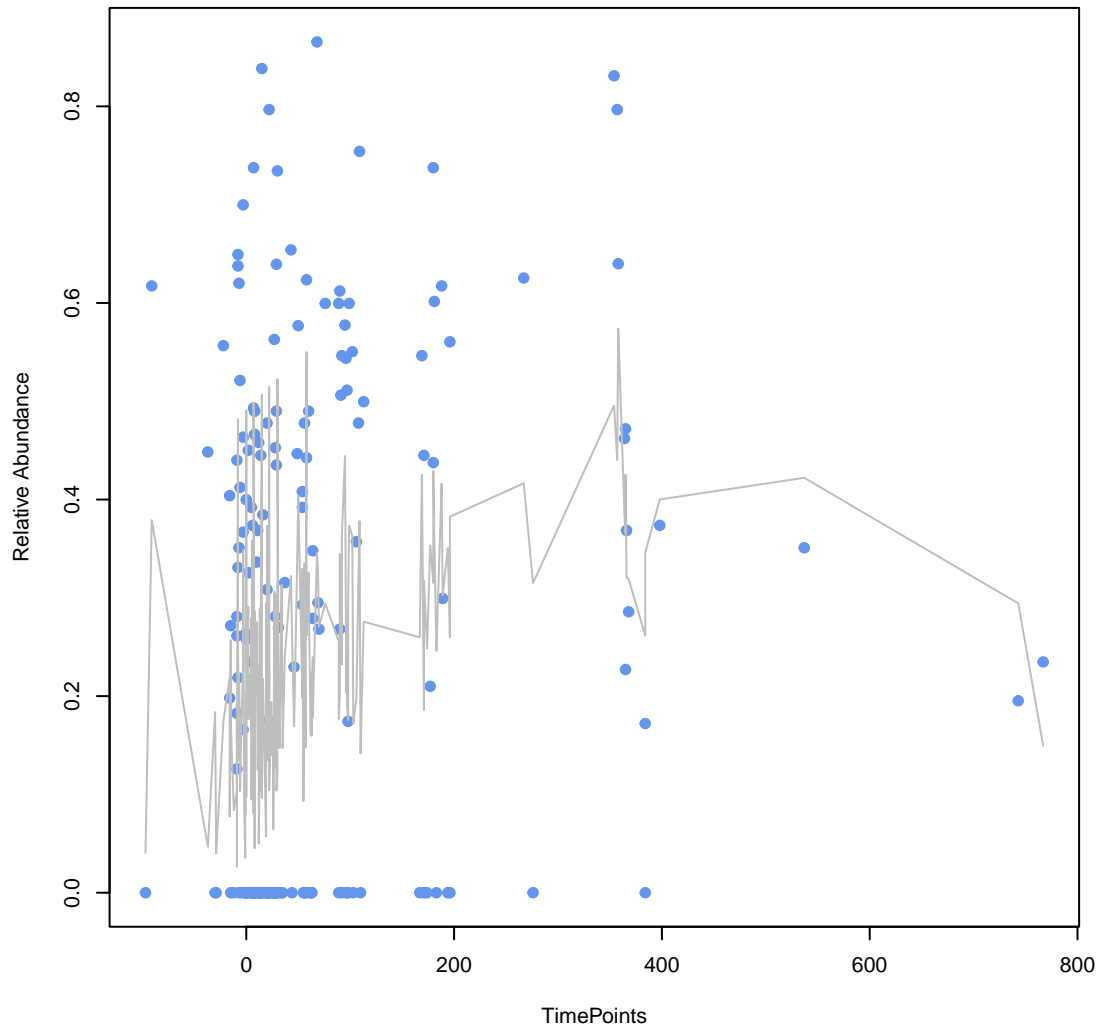
RGI
emrR
ANOVA Pval: 0.474



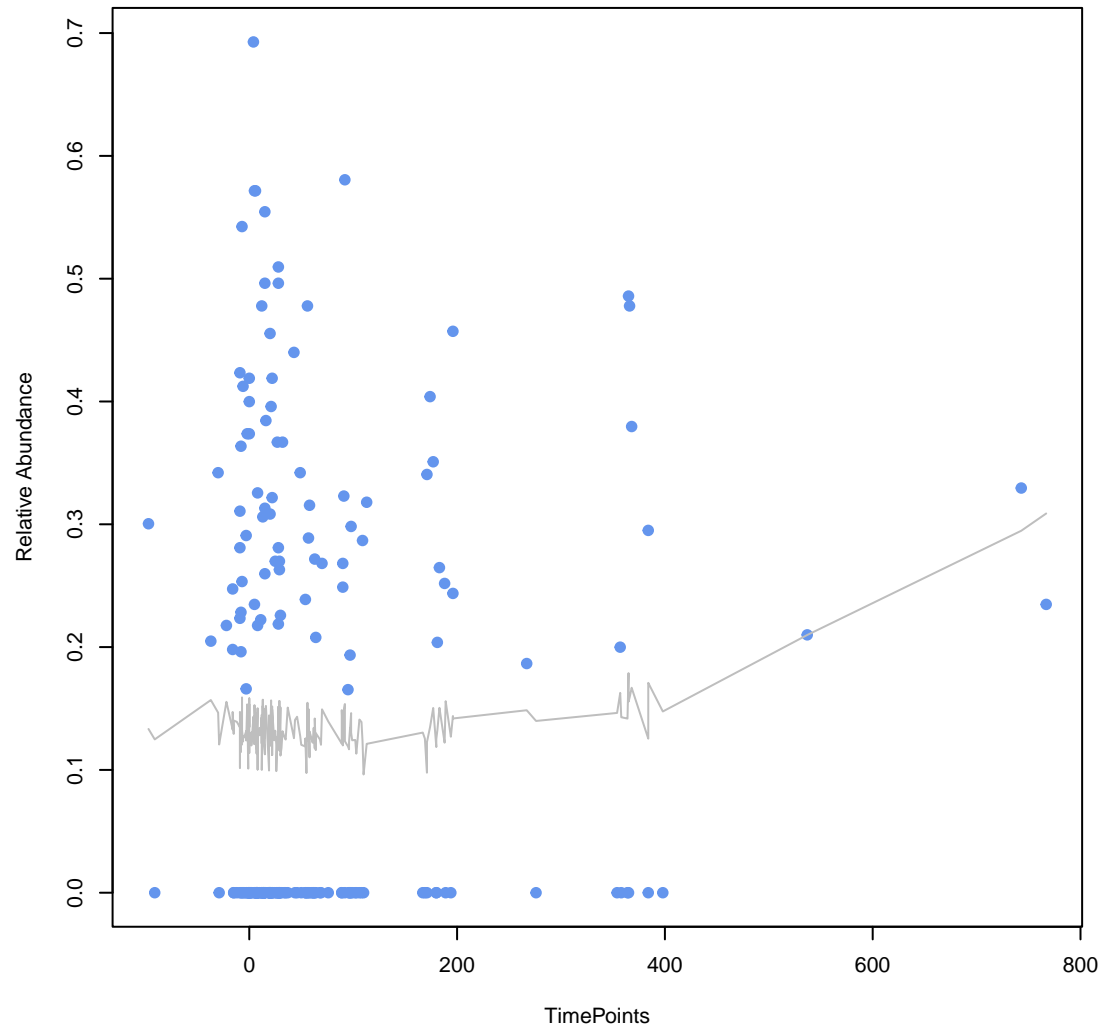
RGI
Bifidobacterium bifidum ileS conferring resistance to mupirocin
ANOVA Pval: 0.813



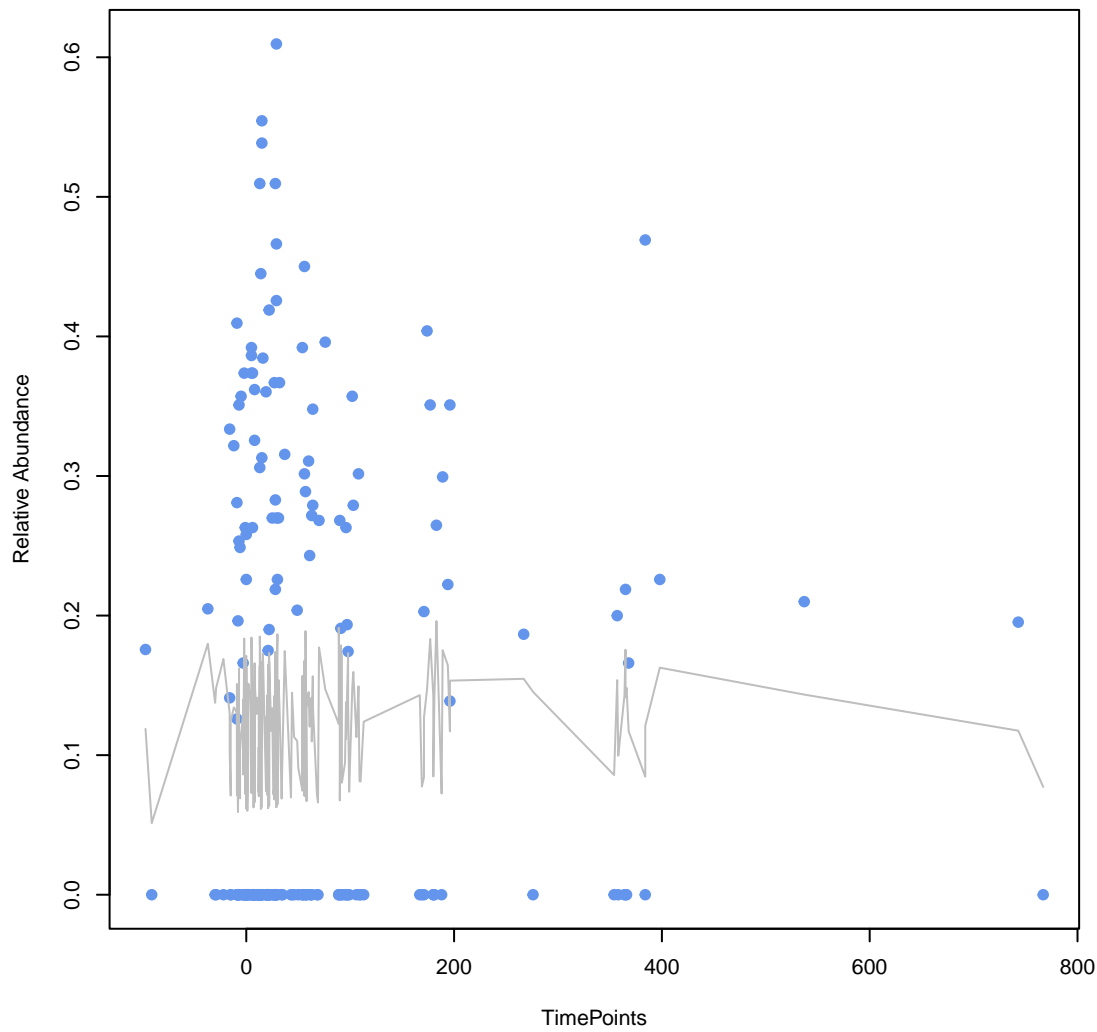
**RGI
nimJ**
ANOVA Pval: 0.000235



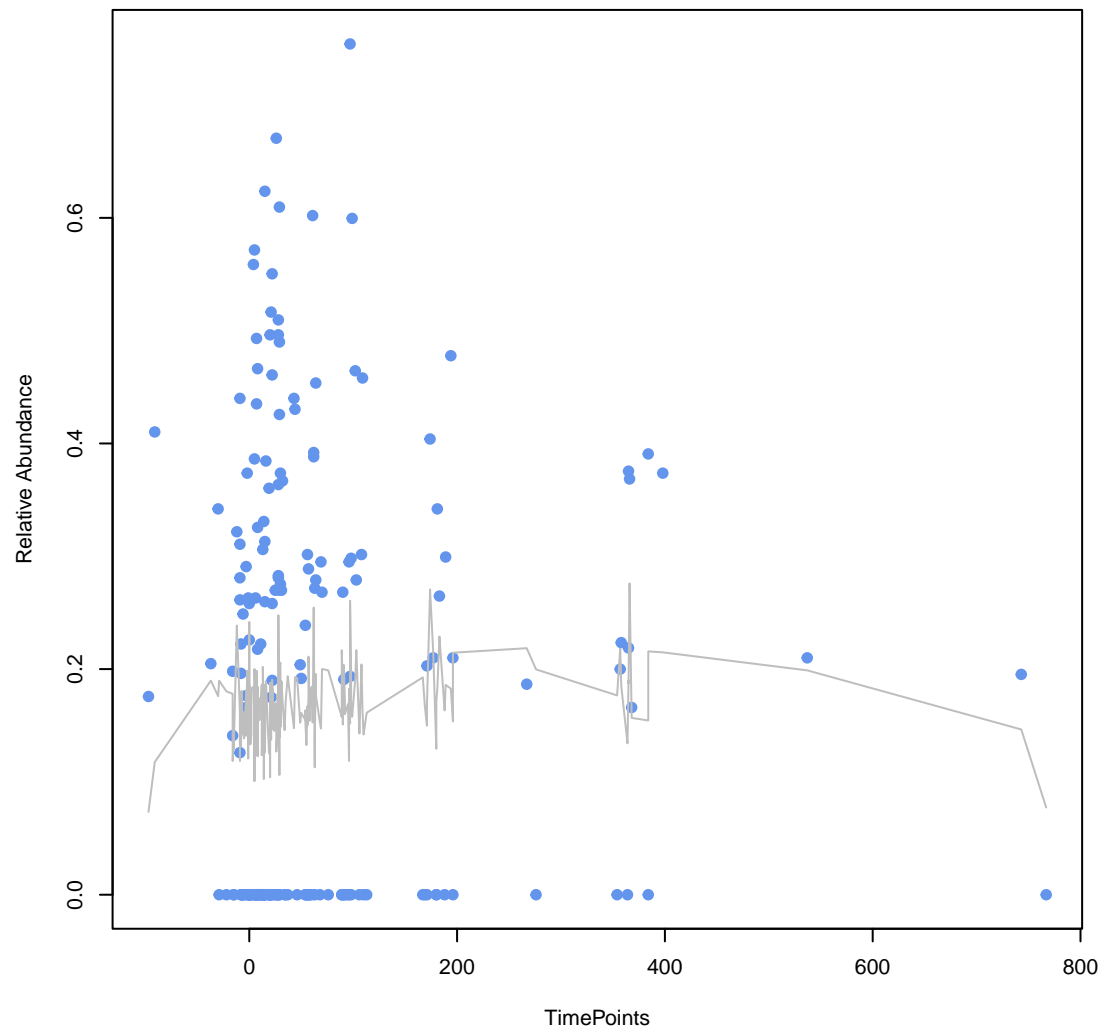
**RGI
eptA**
ANOVA Pval: 0.388



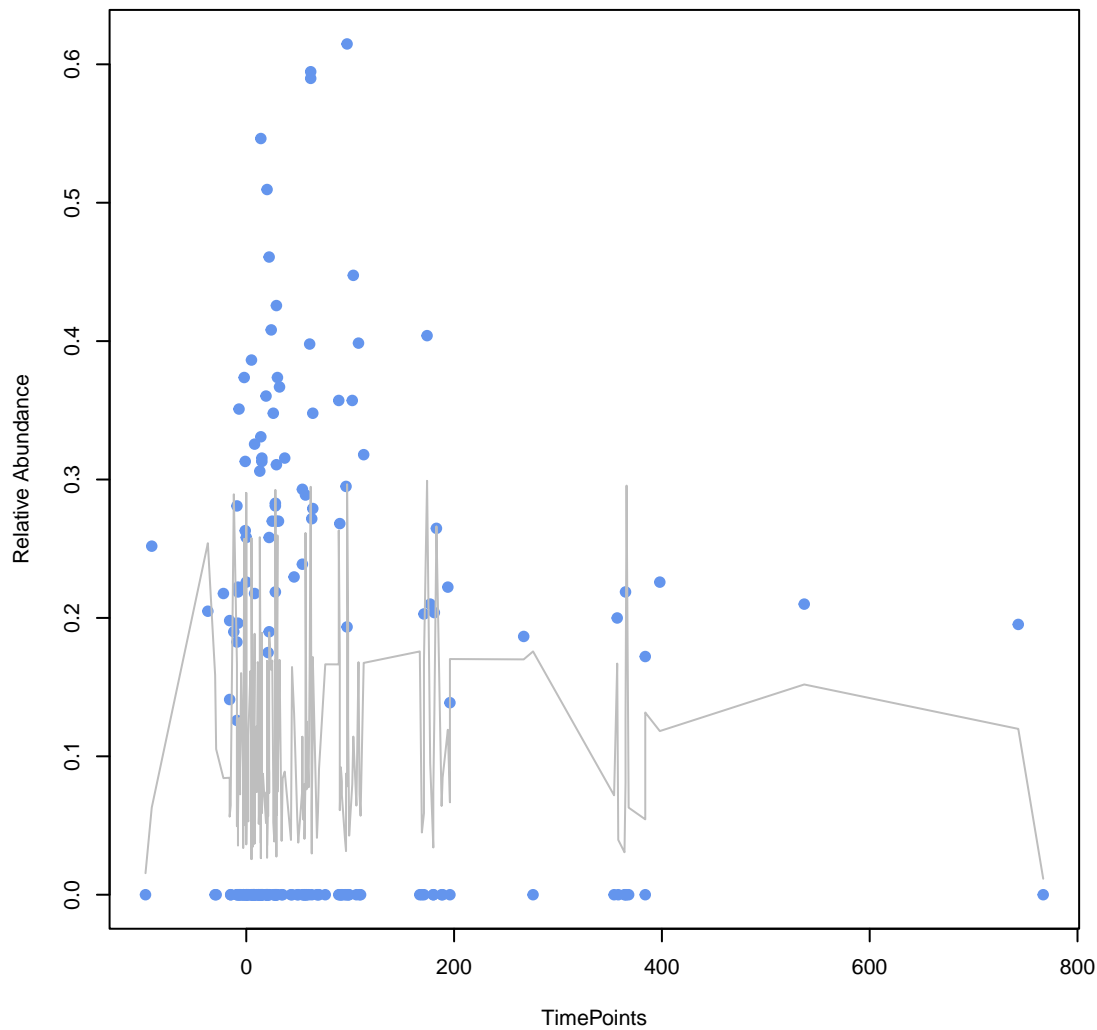
**RGI
kdpE**
ANOVA Pval: 0.885



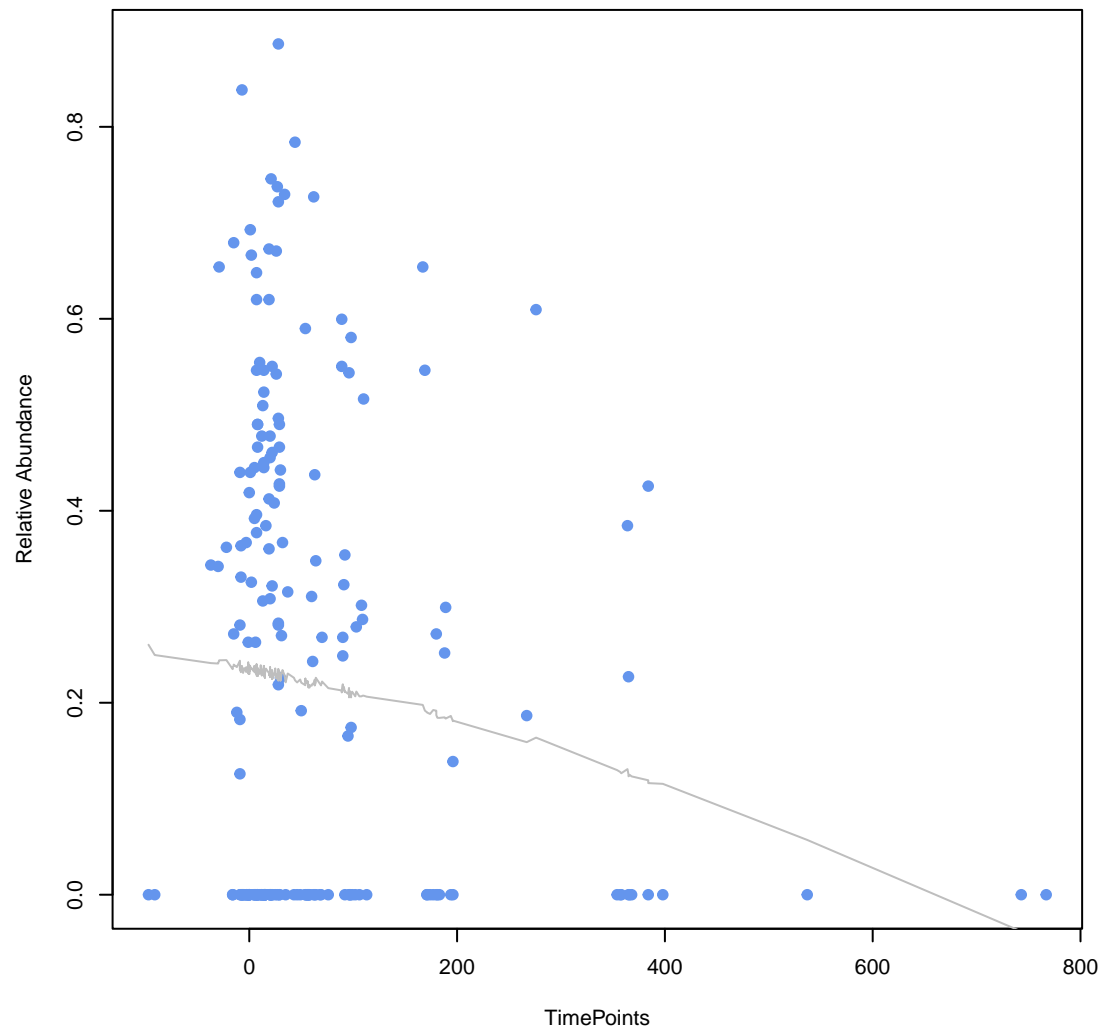
**RGI
Escherichia coli mdxA**
ANOVA Pval: 0.626



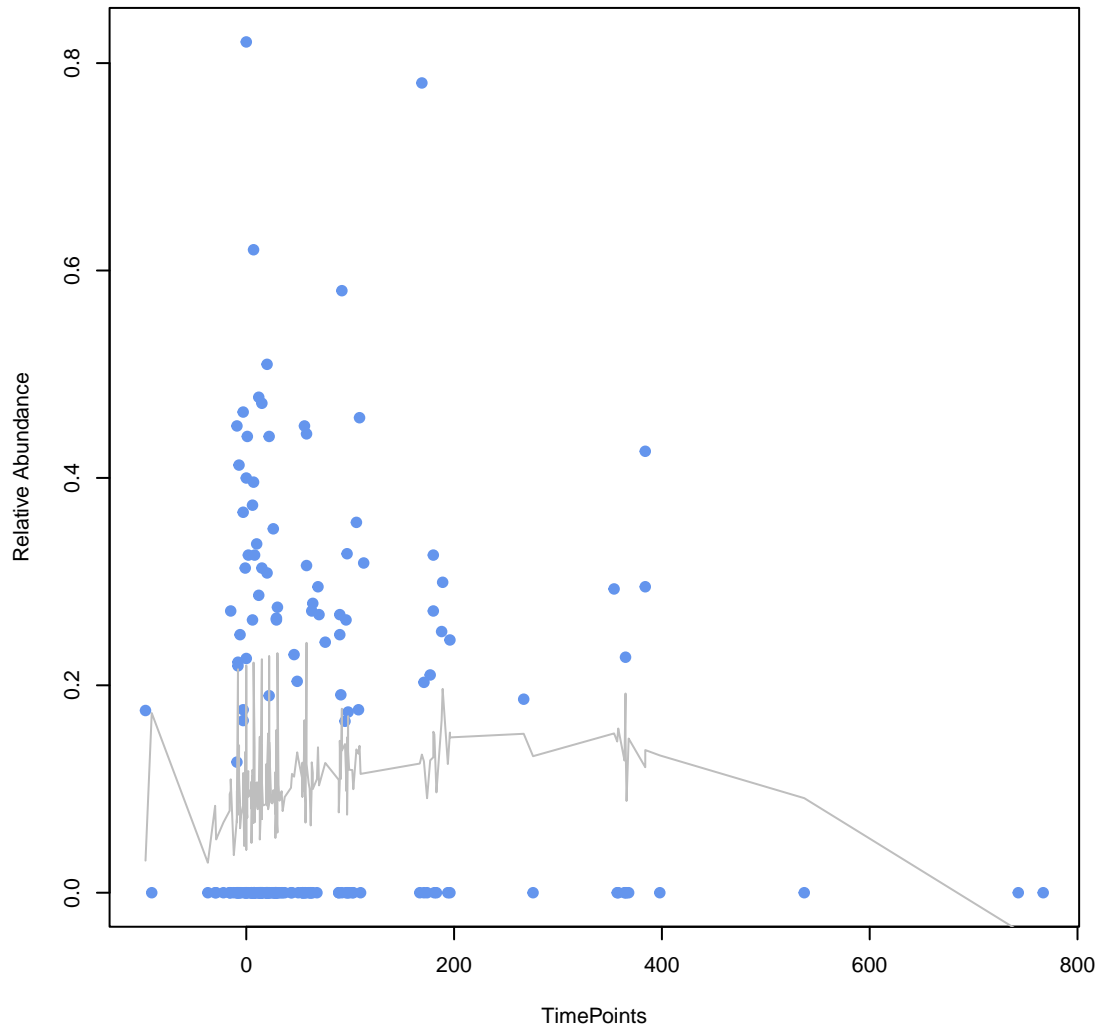
**RGI
rsmA**
ANOVA Pval: 0.848



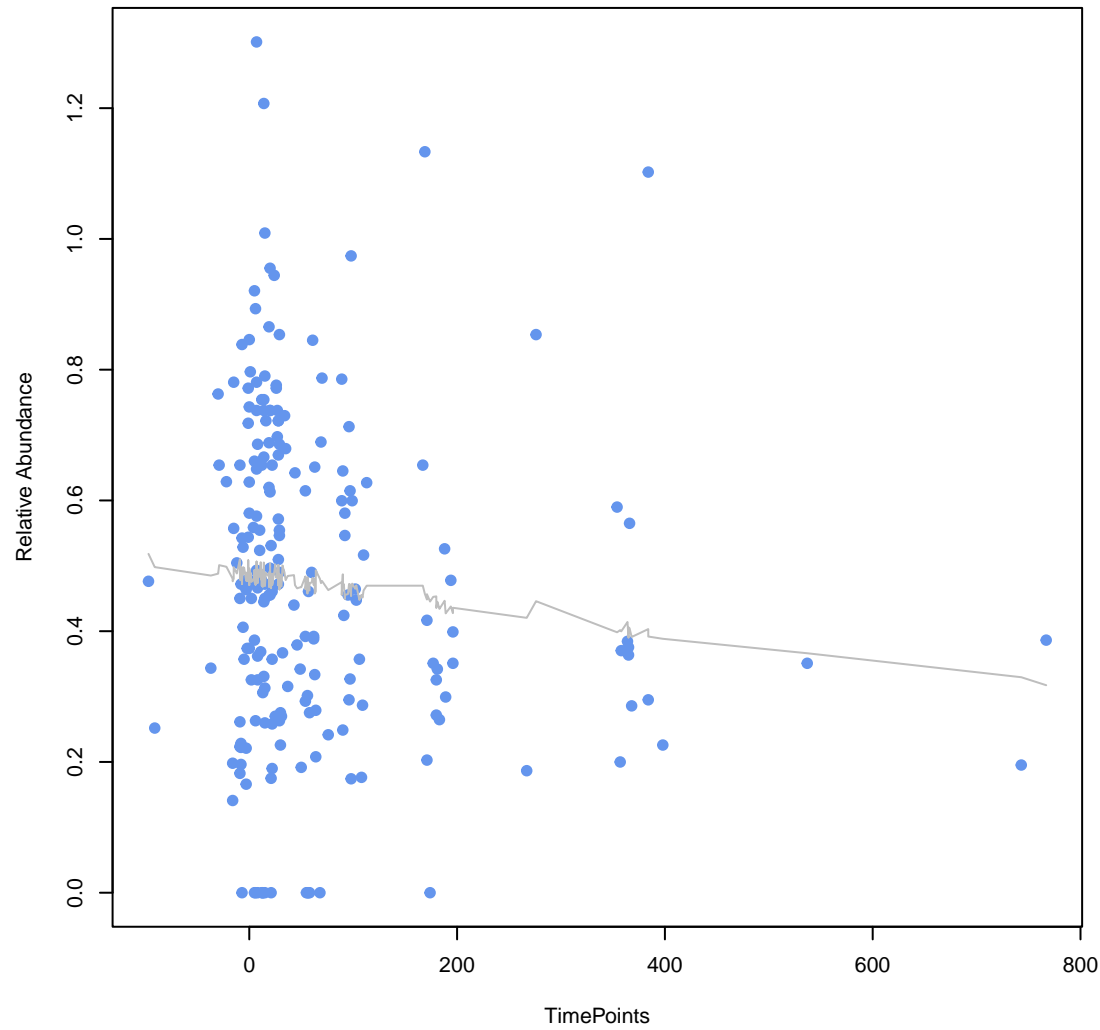
**RGI
vanH gene in vanA cluster**
ANOVA Pval: 0.0768



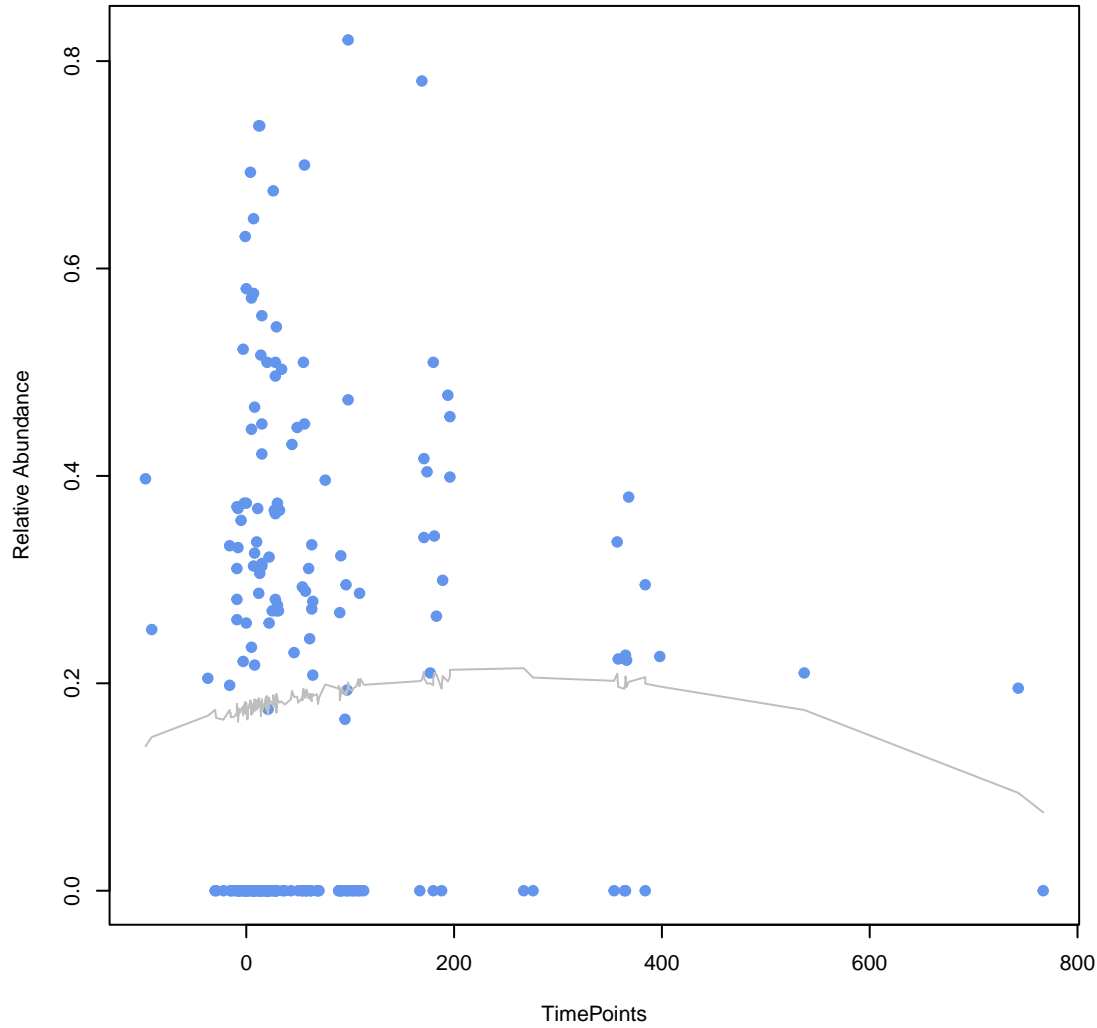
**RGI
farB**
ANOVA Pval: 0.107



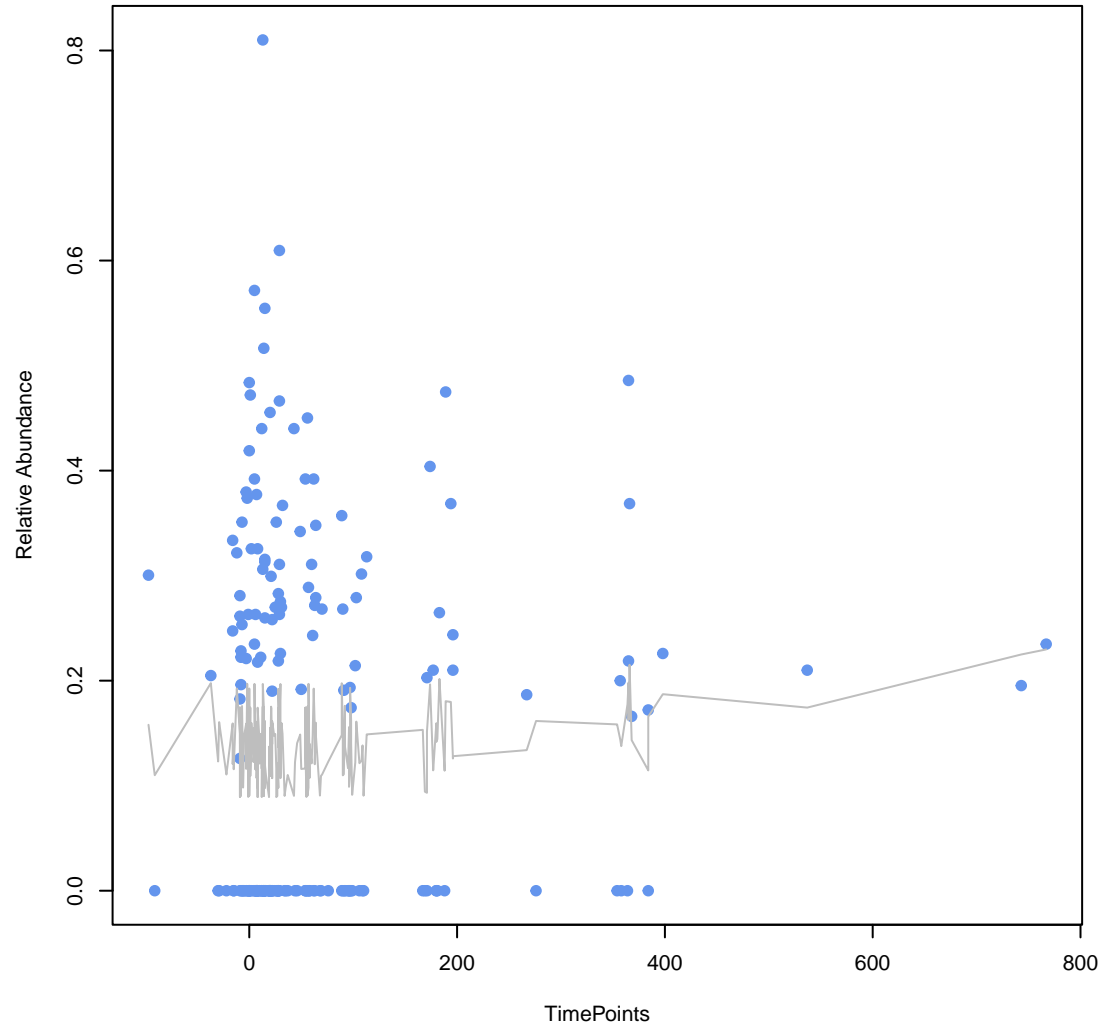
**RGI
tet(M)**
ANOVA Pval: 0.34



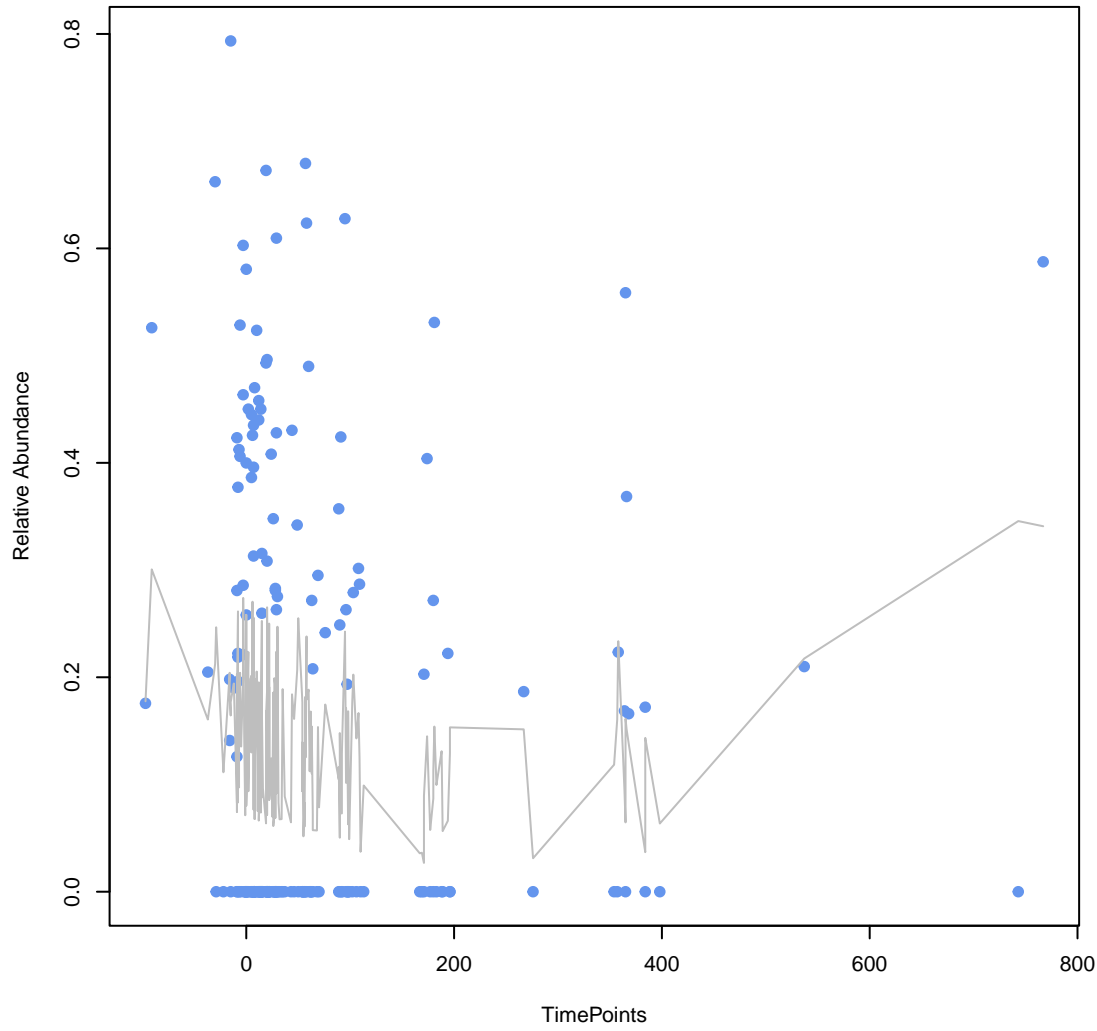
**RGI
TolC**
ANOVA Pval: 0.612



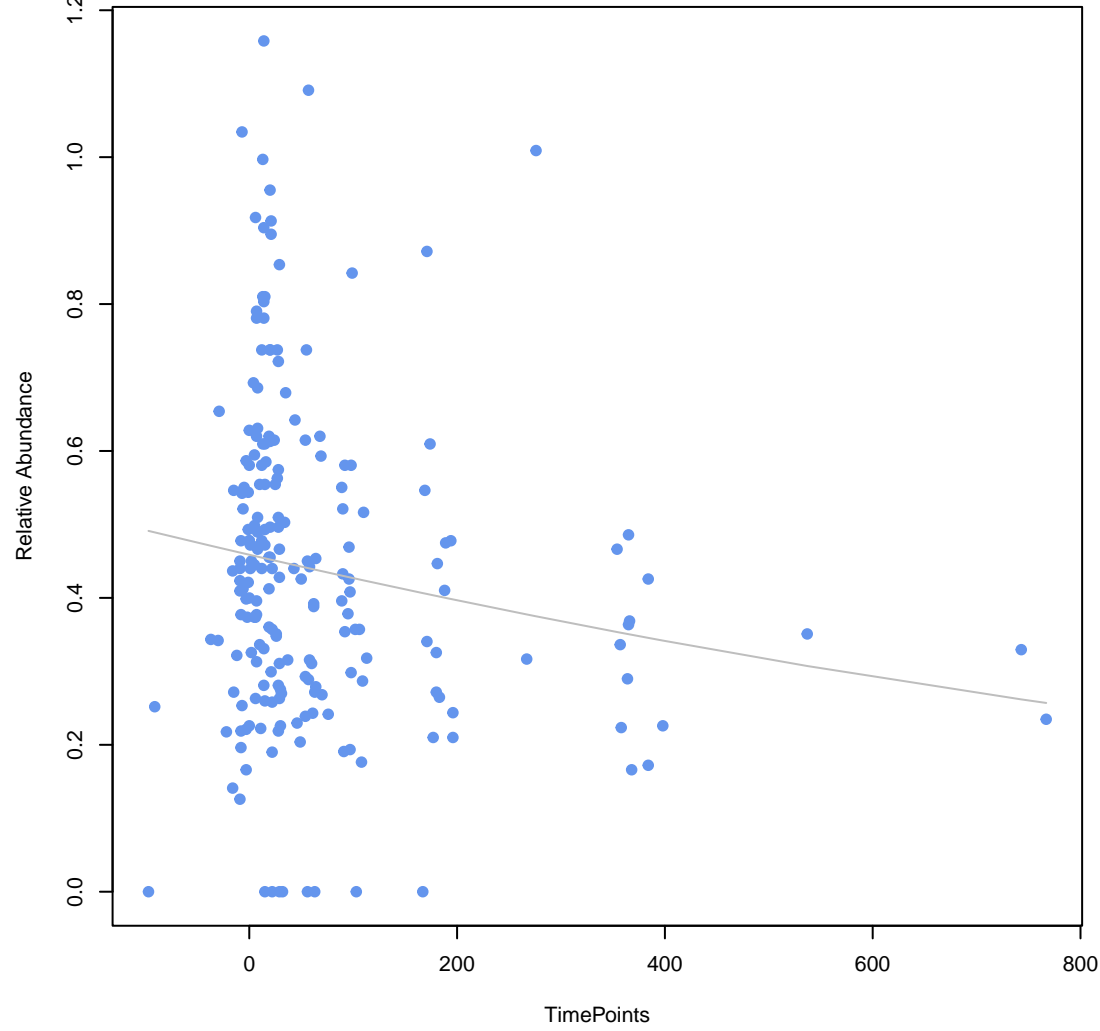
**RGI
Escherichia coli acrA**
ANOVA Pval: 0.597



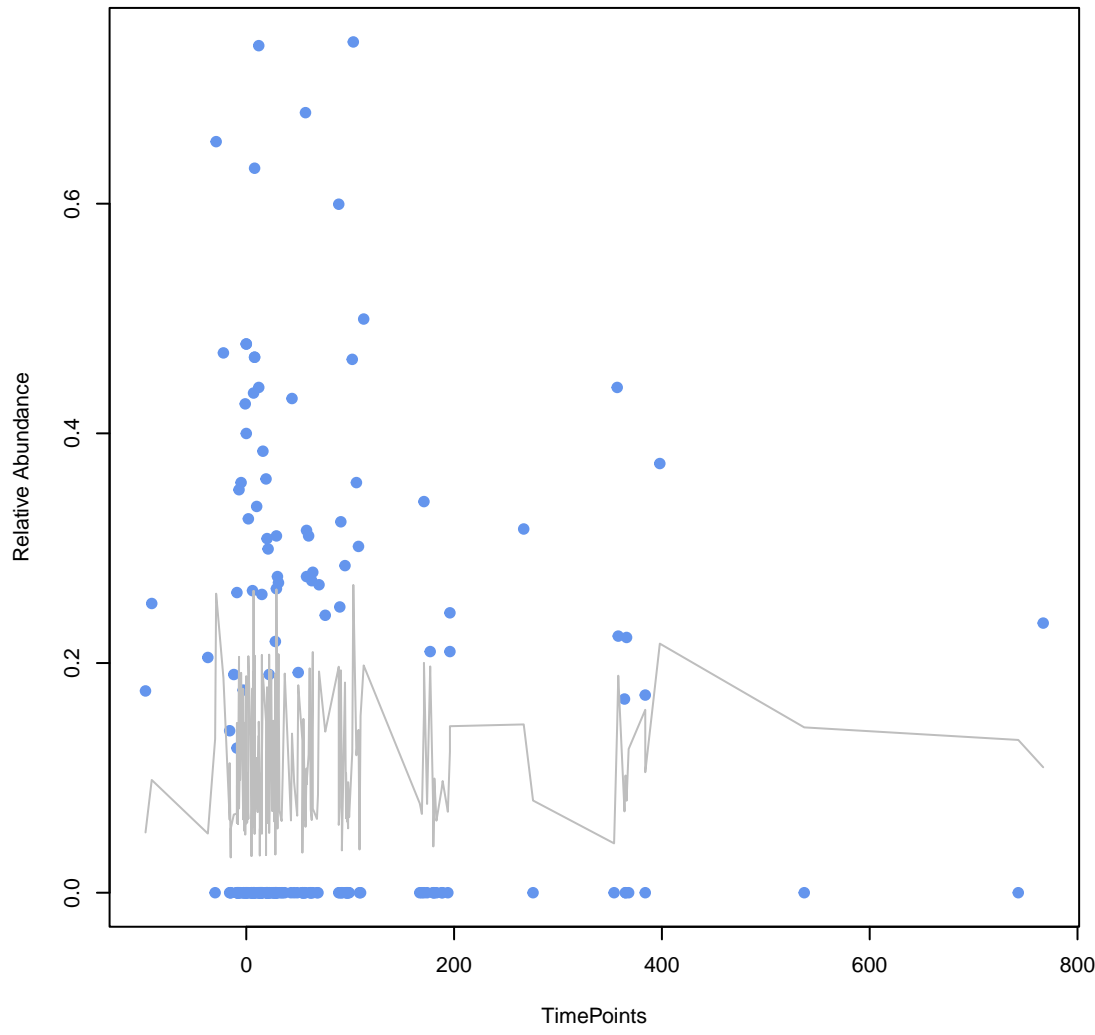
**RGI
PDC-402**
ANOVA Pval: 0.213



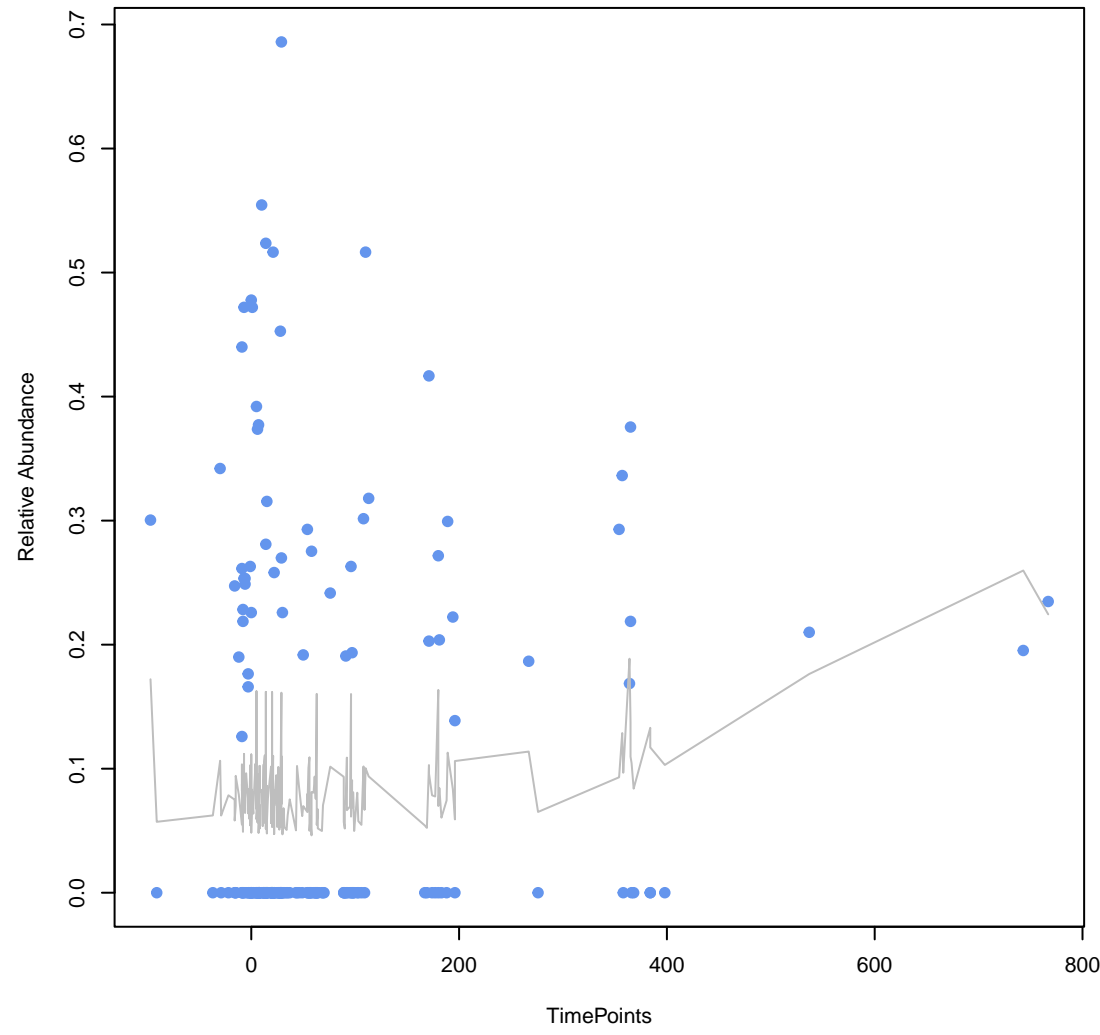
**RGI
tet(W)**
ANOVA Pval: 0.0766



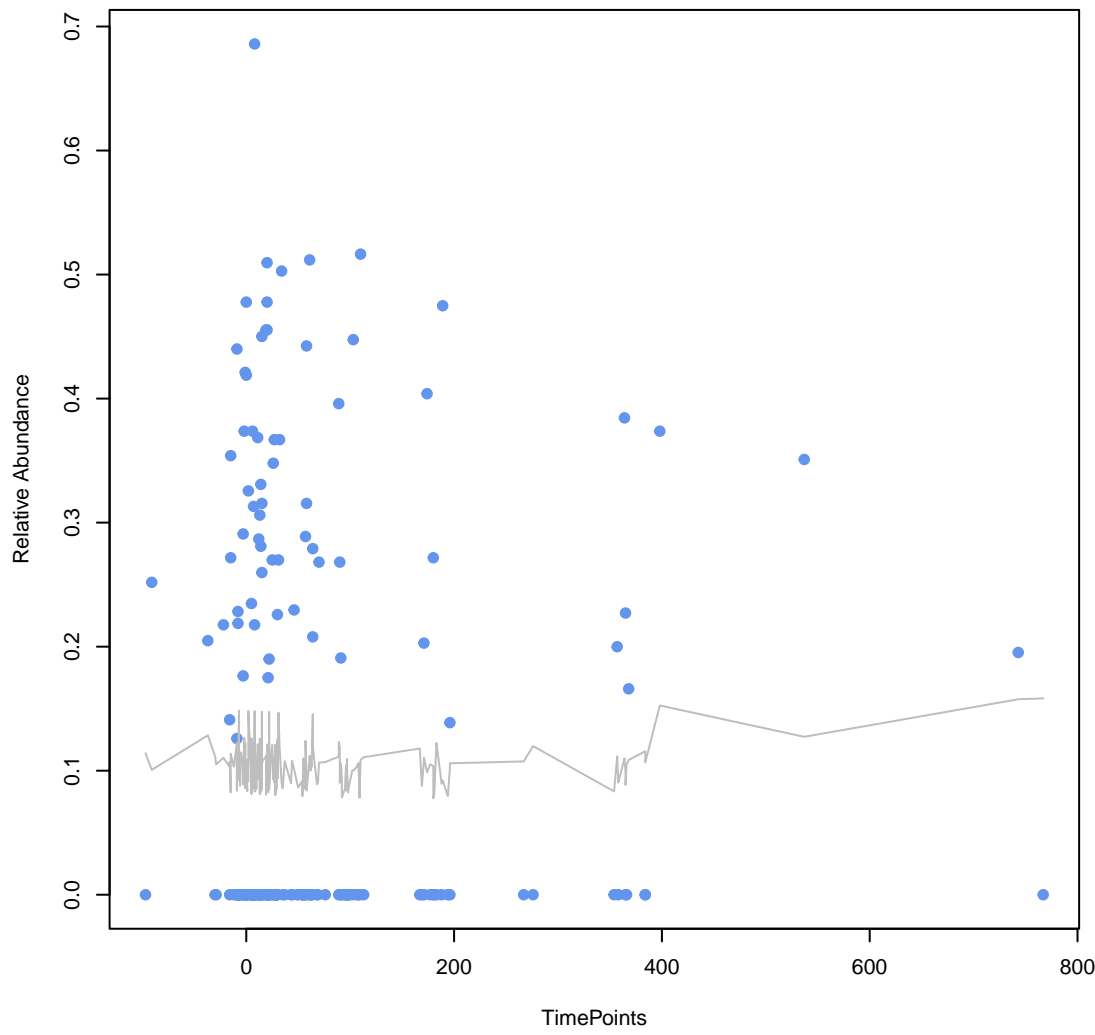
RGI
vanX gene in vanD cluster
ANOVA Pval: 0.954



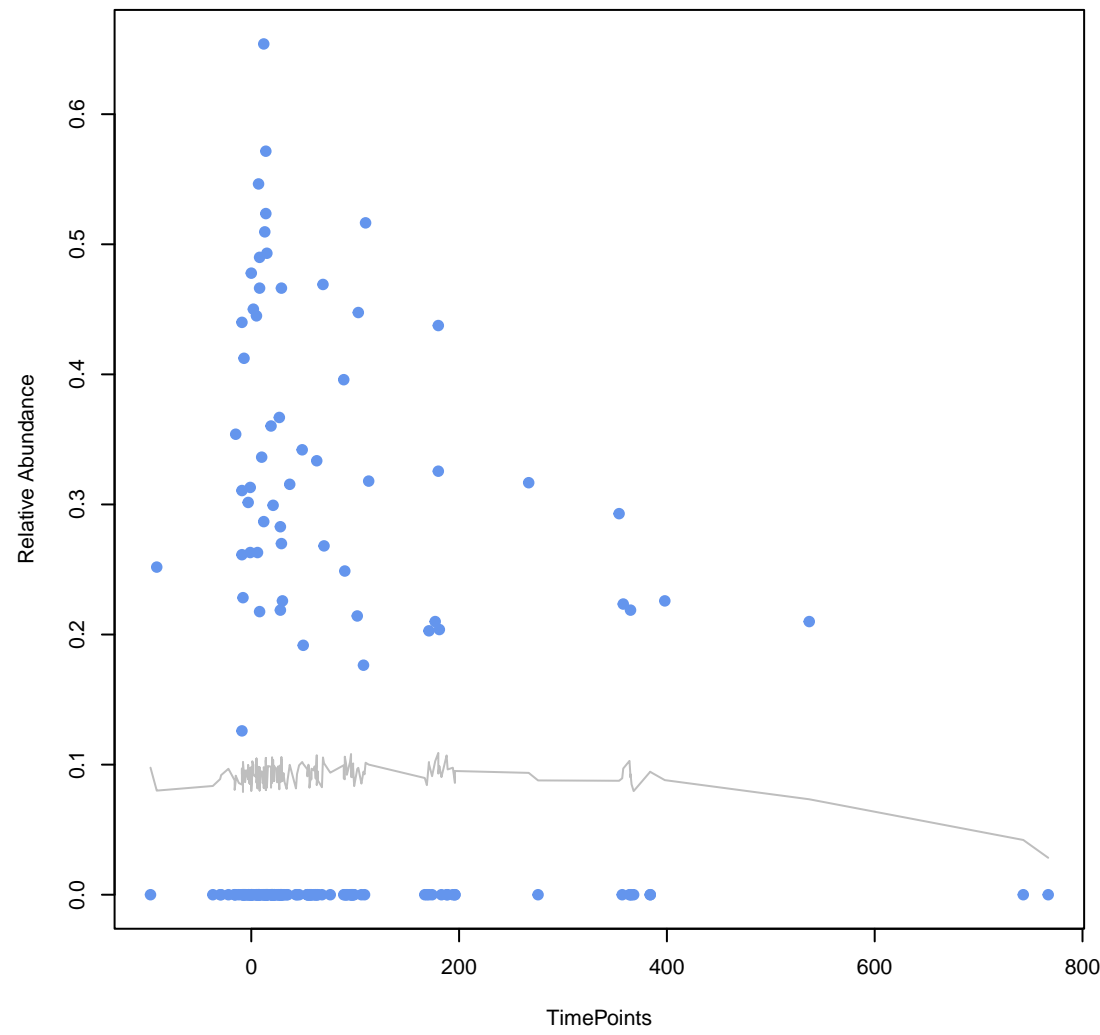
RGI
***Streptomyces rimosus* otr(A)**
ANOVA Pval: 0.218



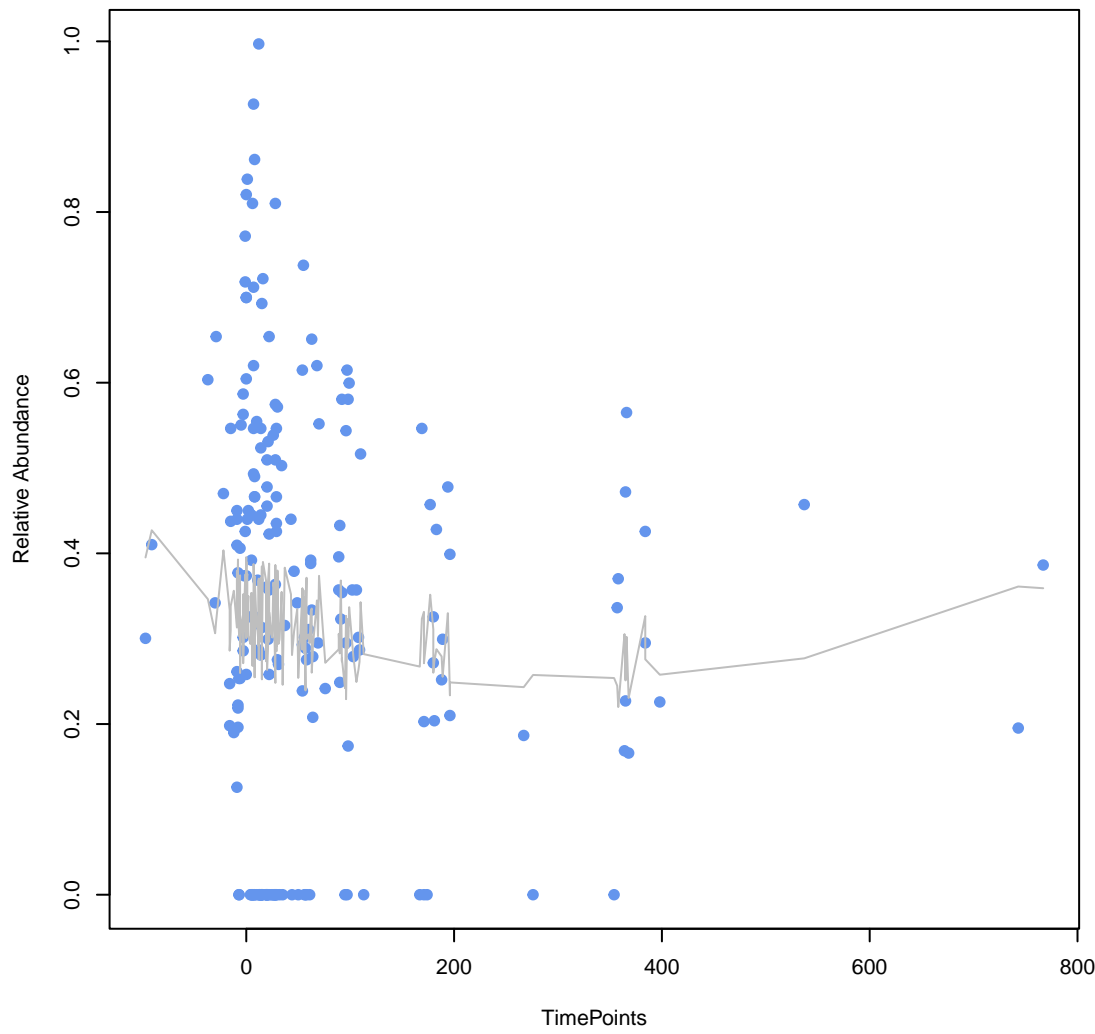
RGI
APH(3'')-Ib
ANOVA Pval: 0.891



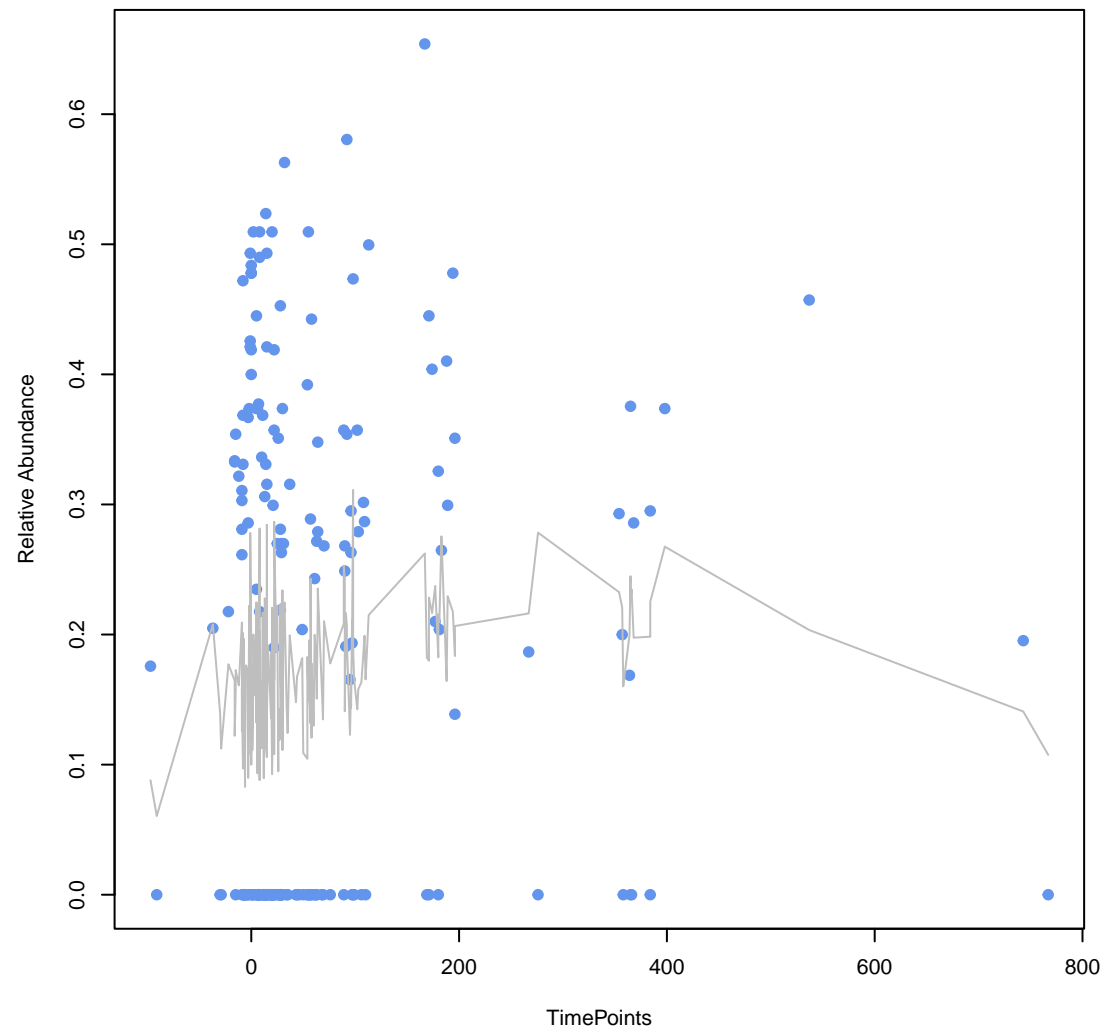
RGI
oleB
ANOVA Pval: 0.887



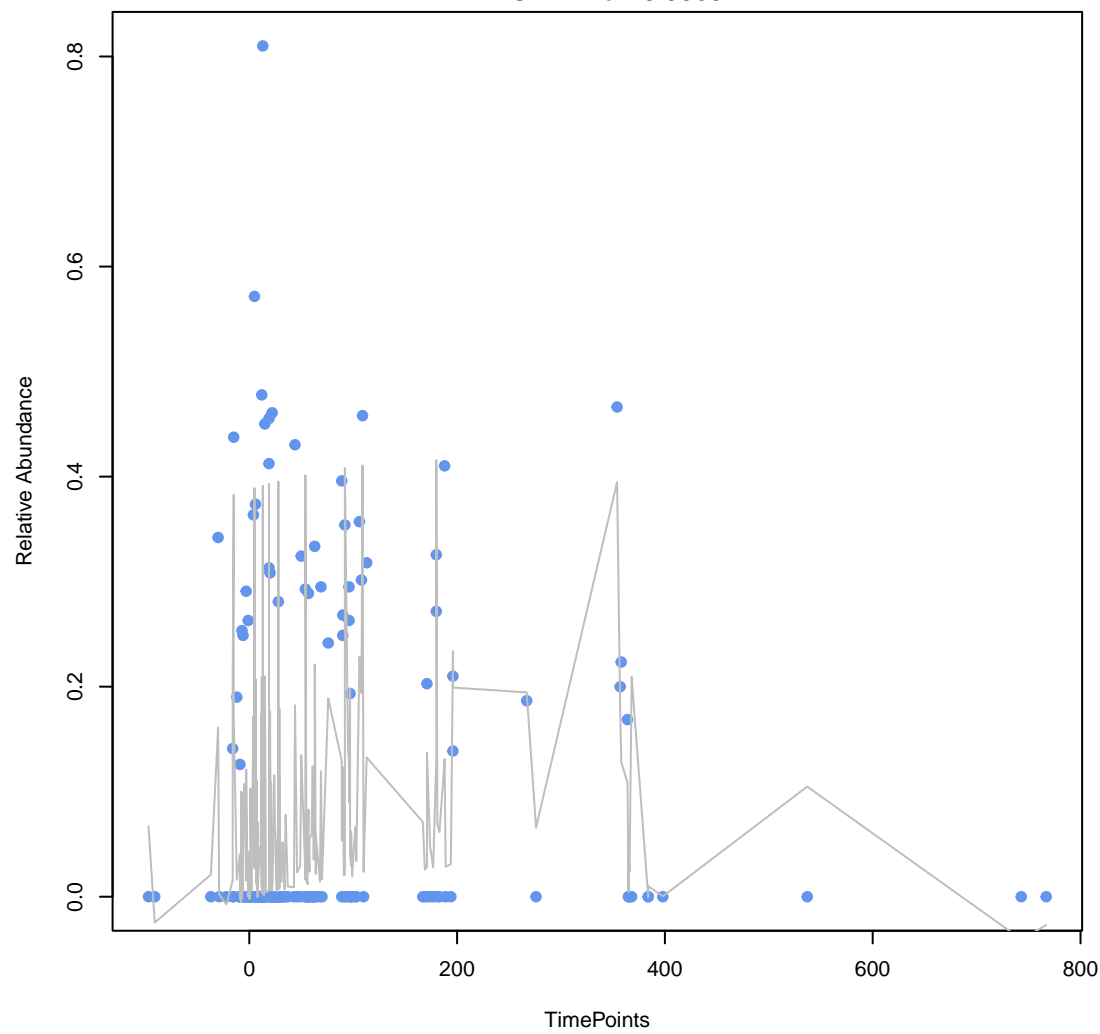
RGI
tetB(46)
ANOVA Pval: 0.507



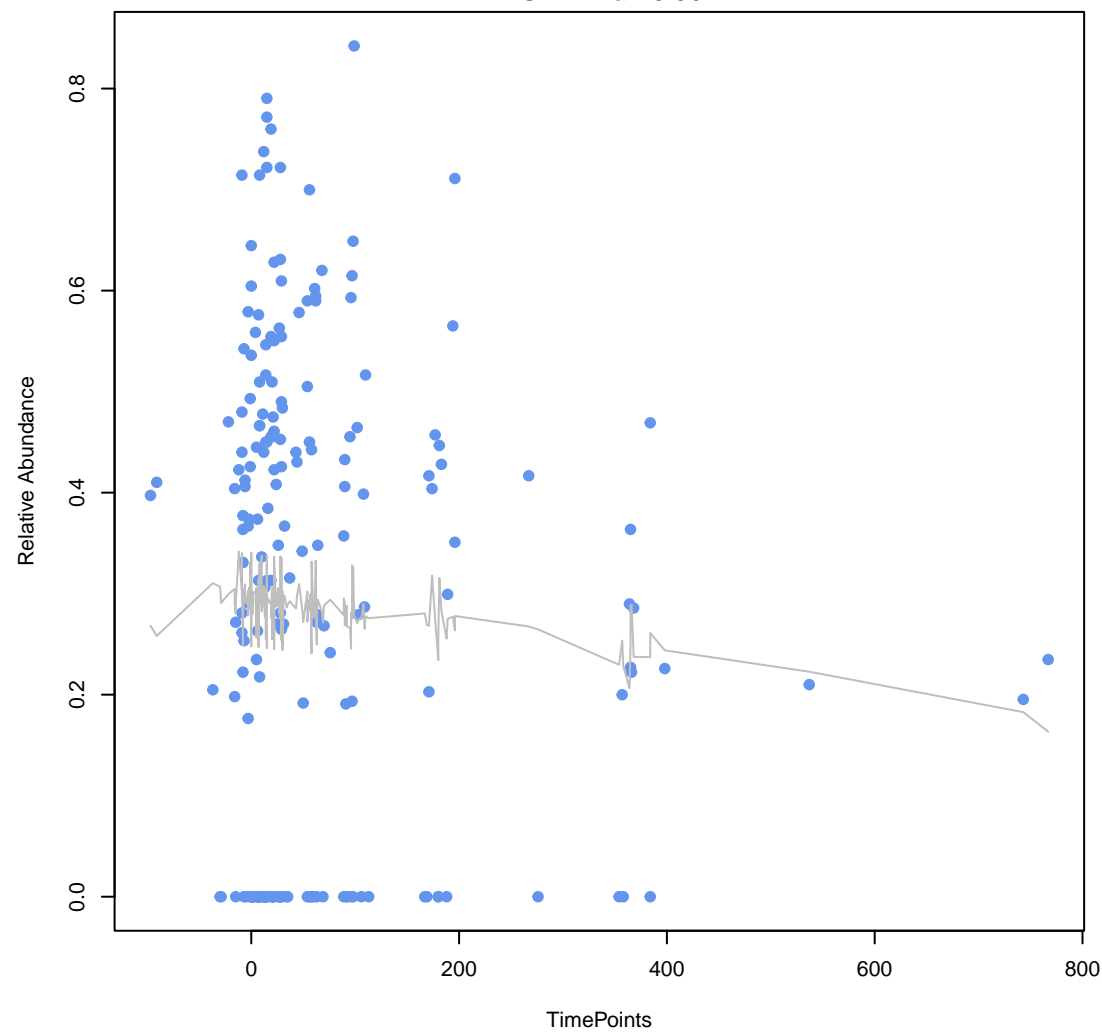
RGI
mdtG
ANOVA Pval: 0.23



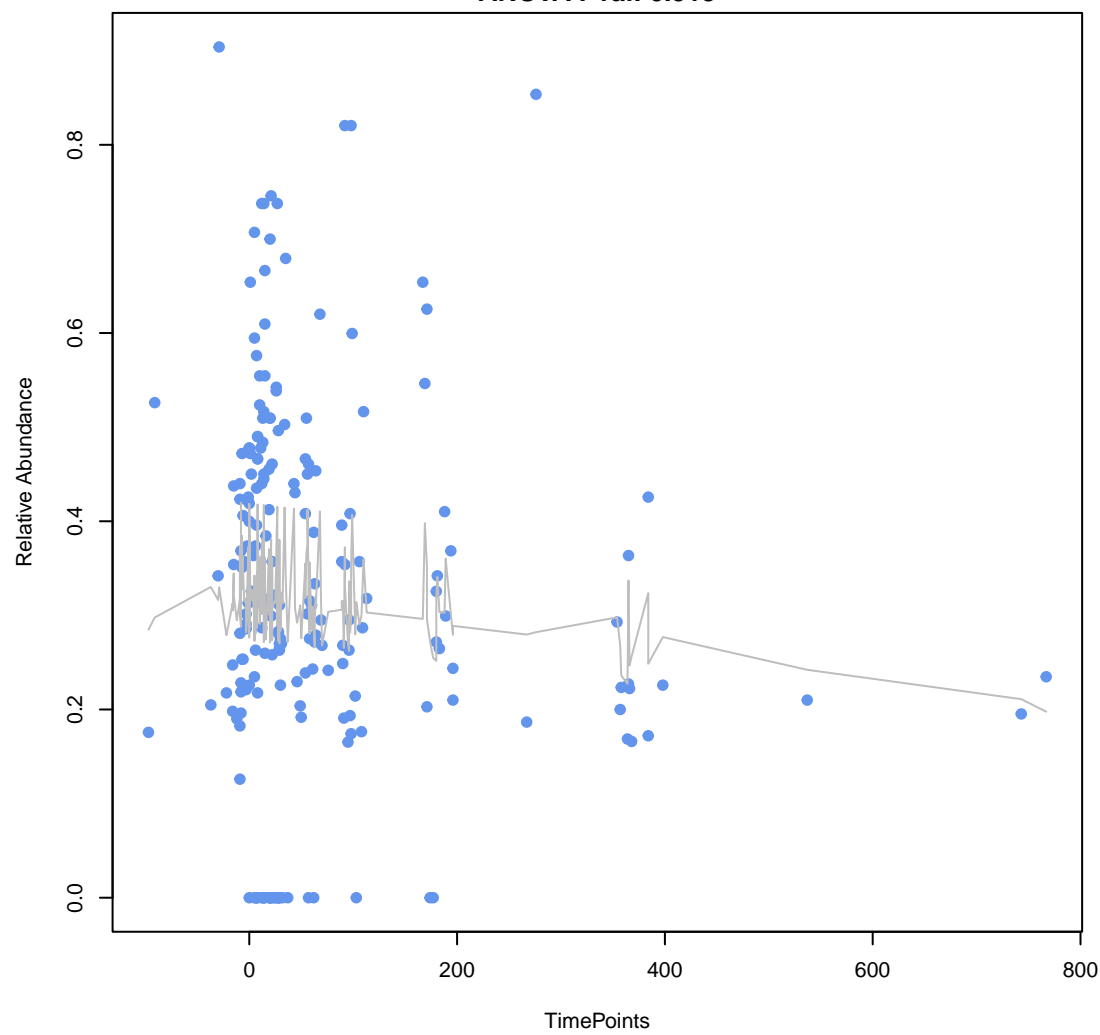
RGI
vanR gene in vanE cluster
ANOVA Pval: 0.0068



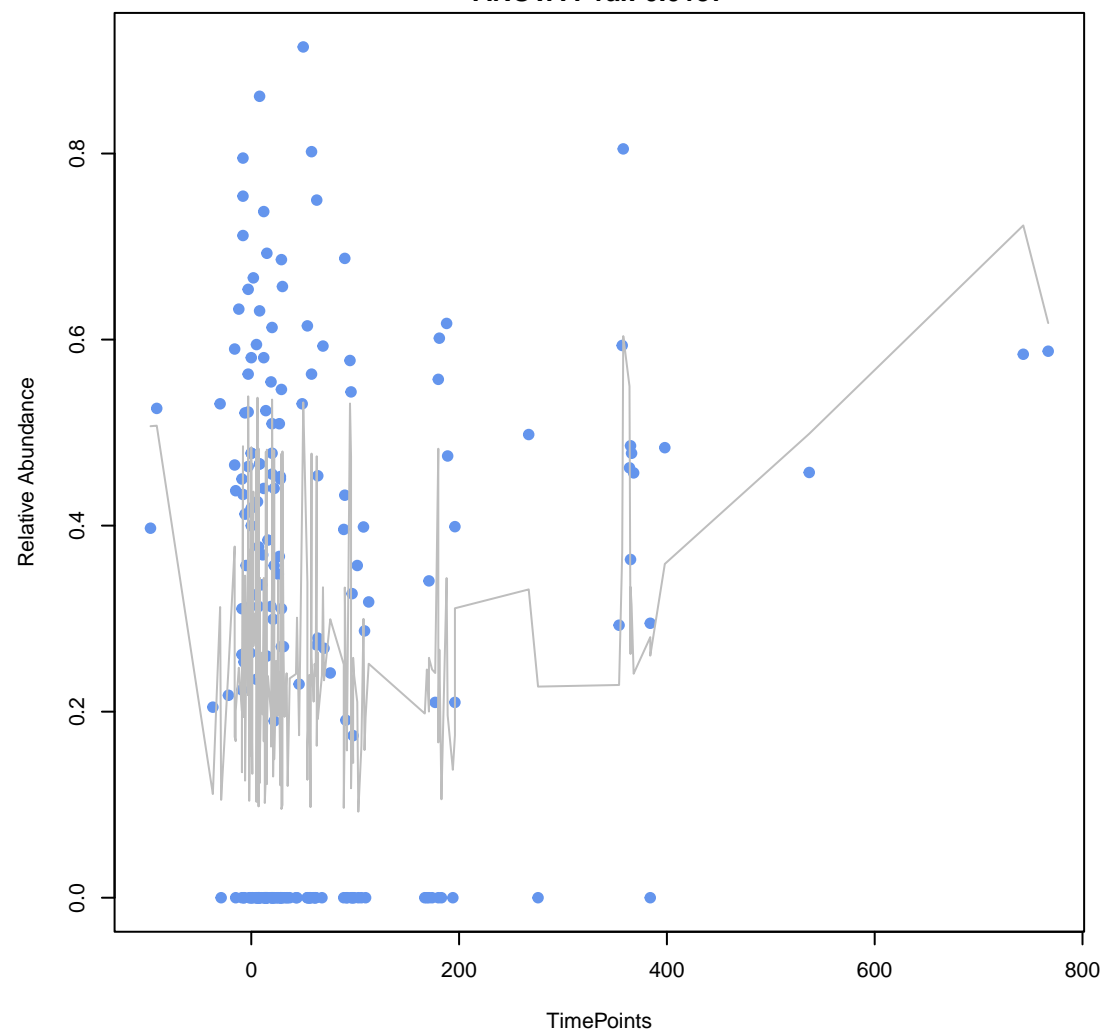
RGI
mdtC
ANOVA Pval: 0.564



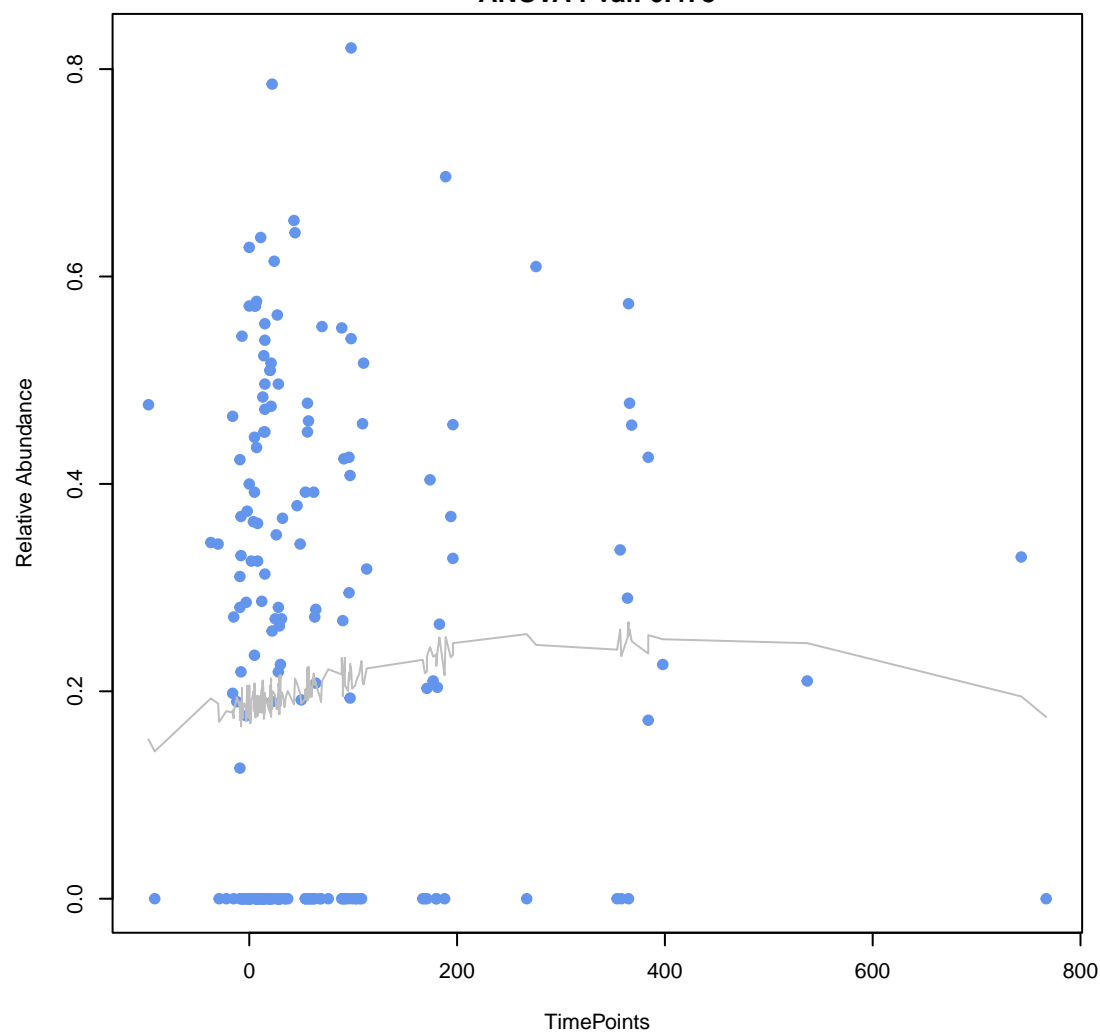
RGI
tet(40)
ANOVA Pval: 0.518



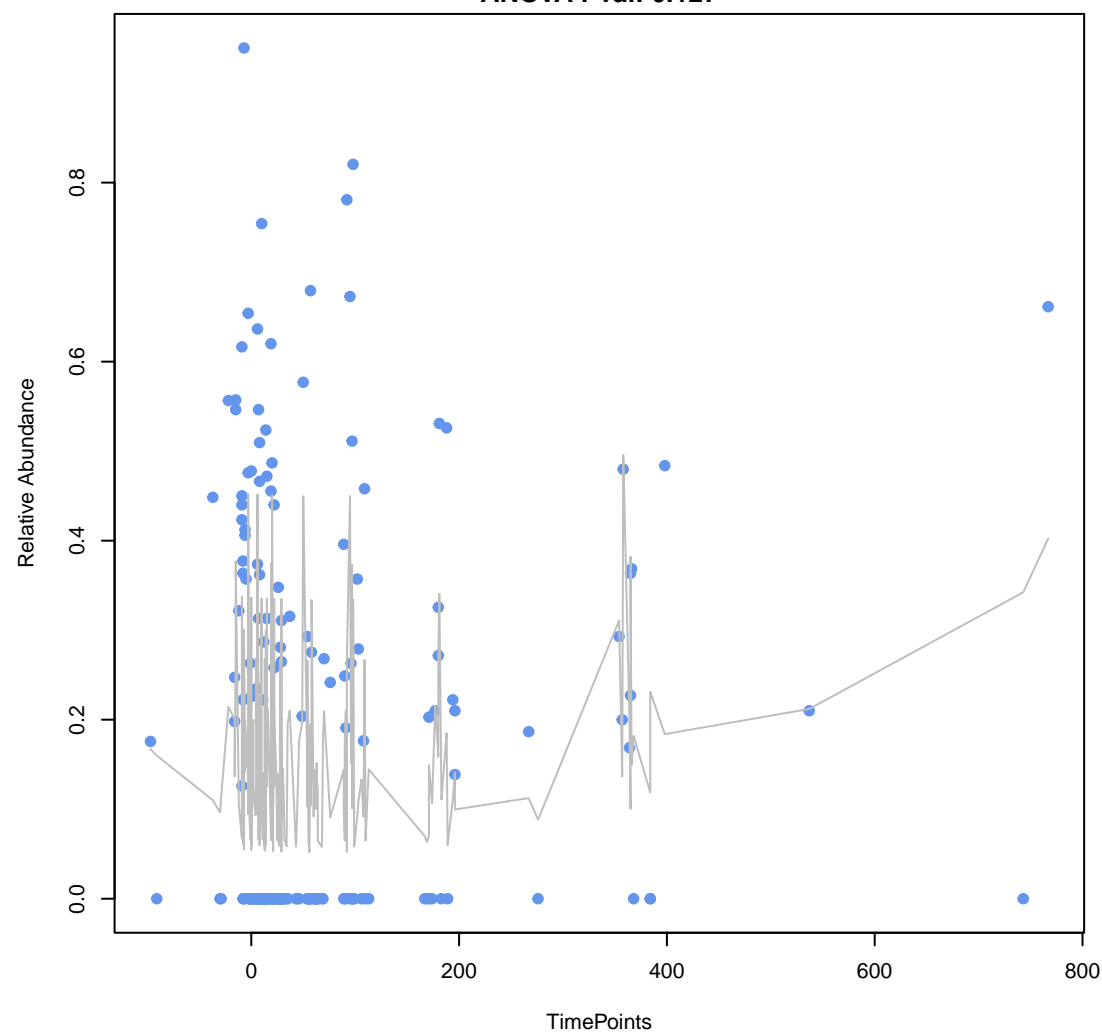
RGI
mefH
ANOVA Pval: 0.0137



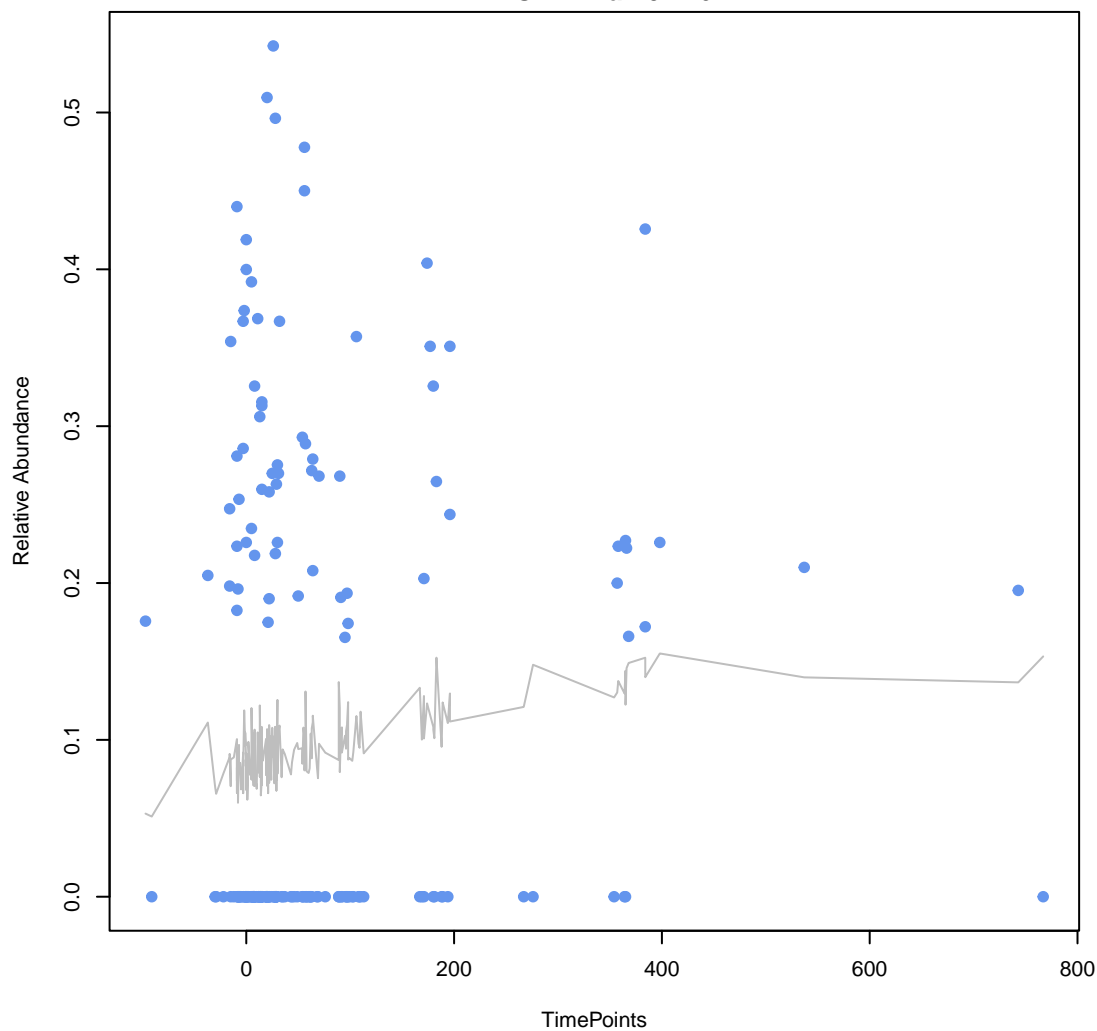
RGI
mdtO
ANOVA Pval: 0.478



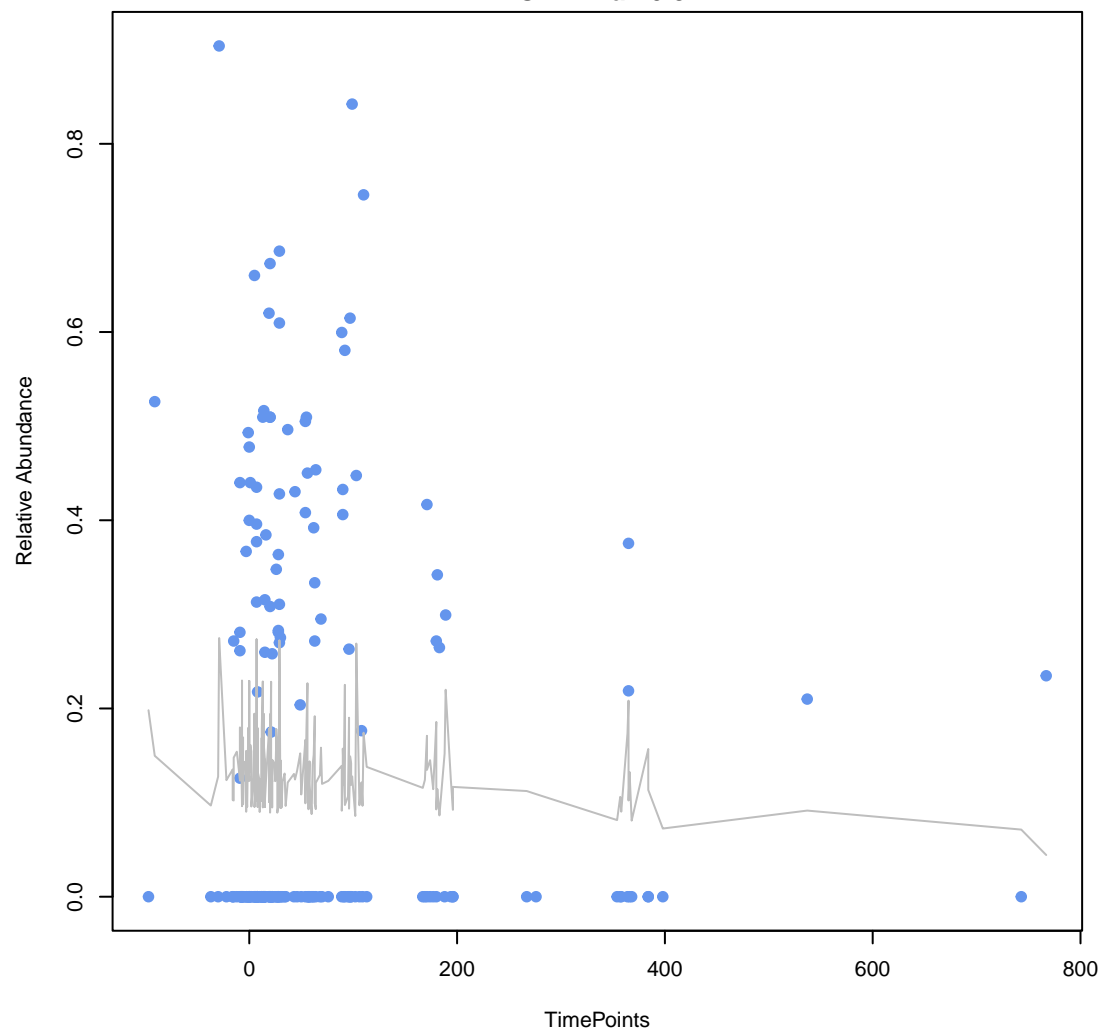
RGI
APH(6)-Ic
ANOVA Pval: 0.127



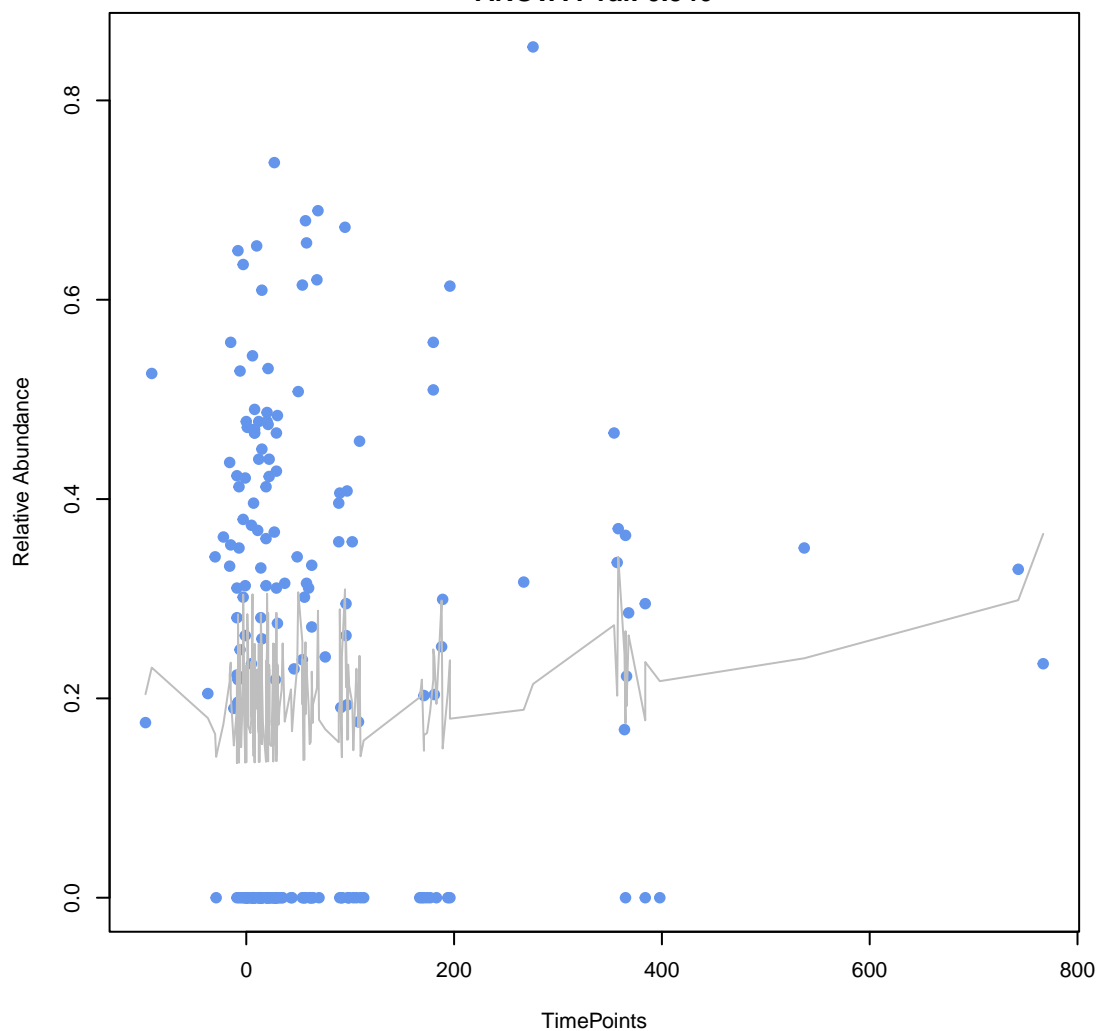
RGI
AcrS
ANOVA Pval: 0.276



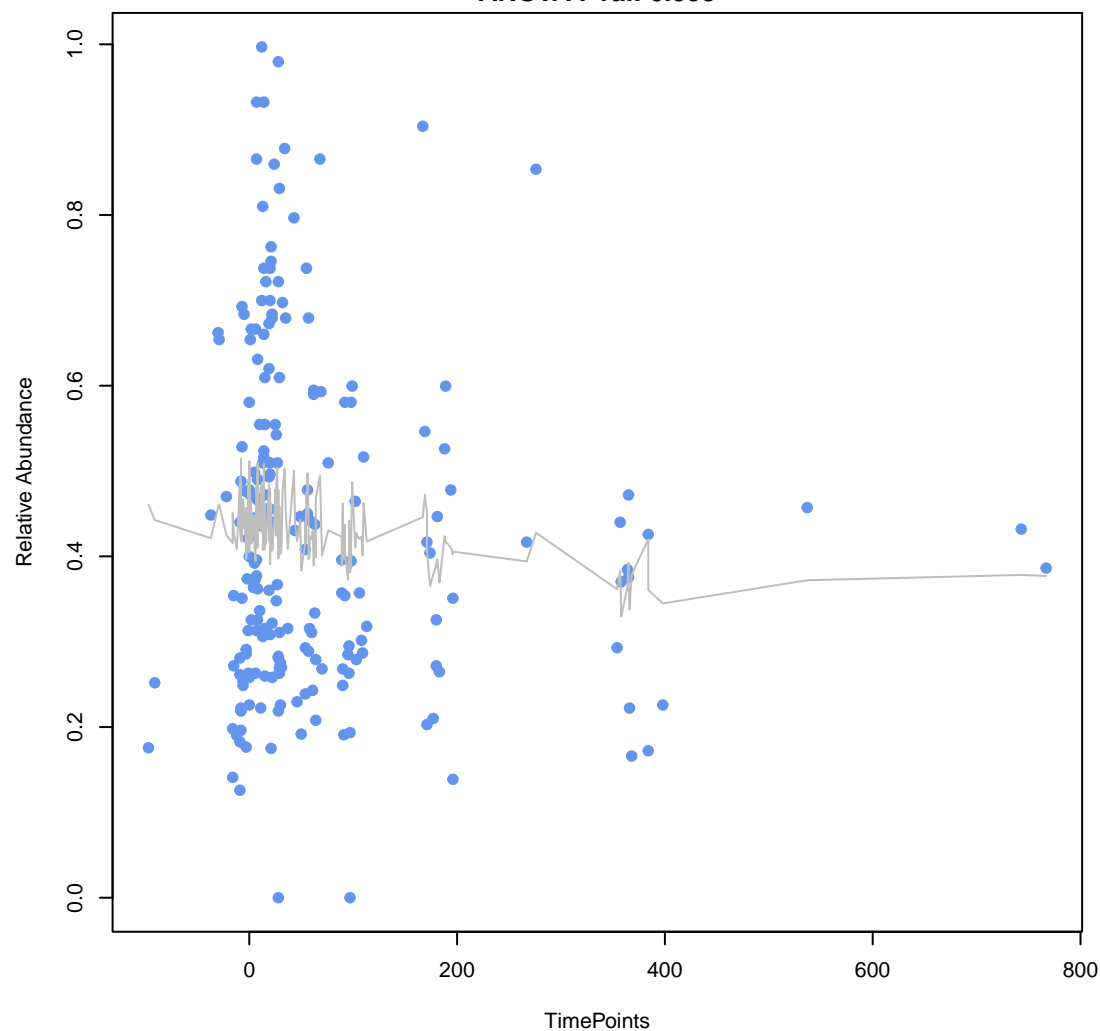
RGI
tetB(60)
ANOVA Pval: 0.872



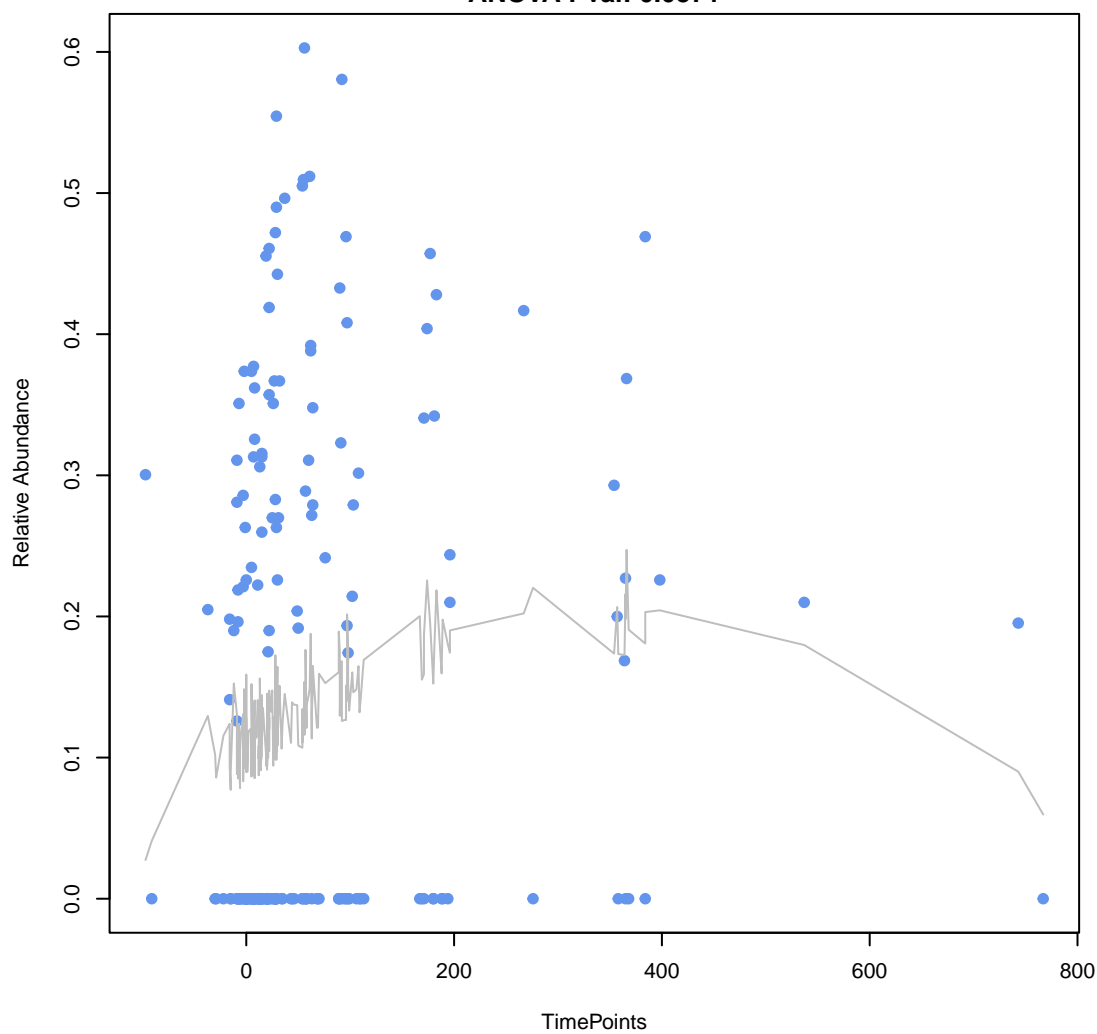
RGI
chrB
ANOVA Pval: 0.546



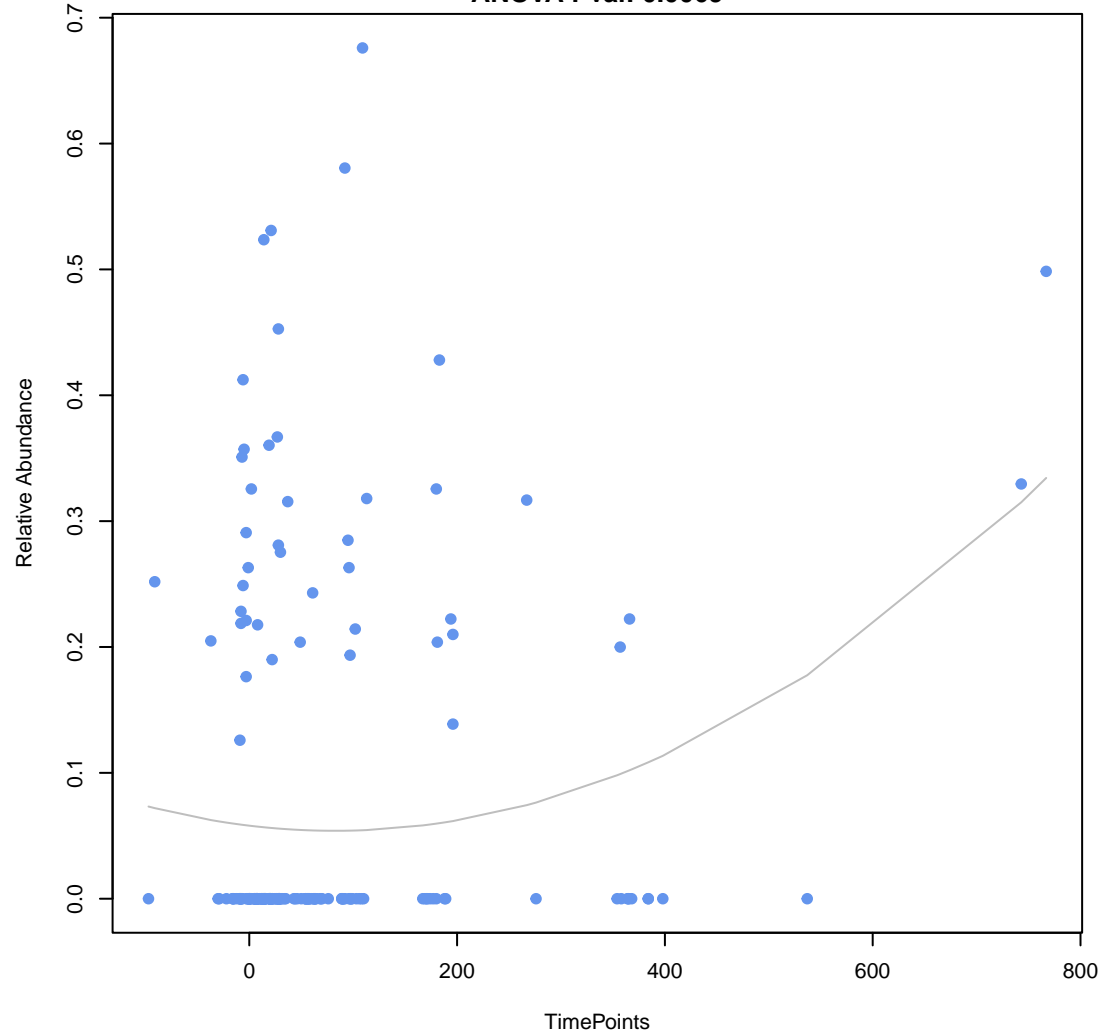
RGI
tet(O)
ANOVA Pval: 0.335



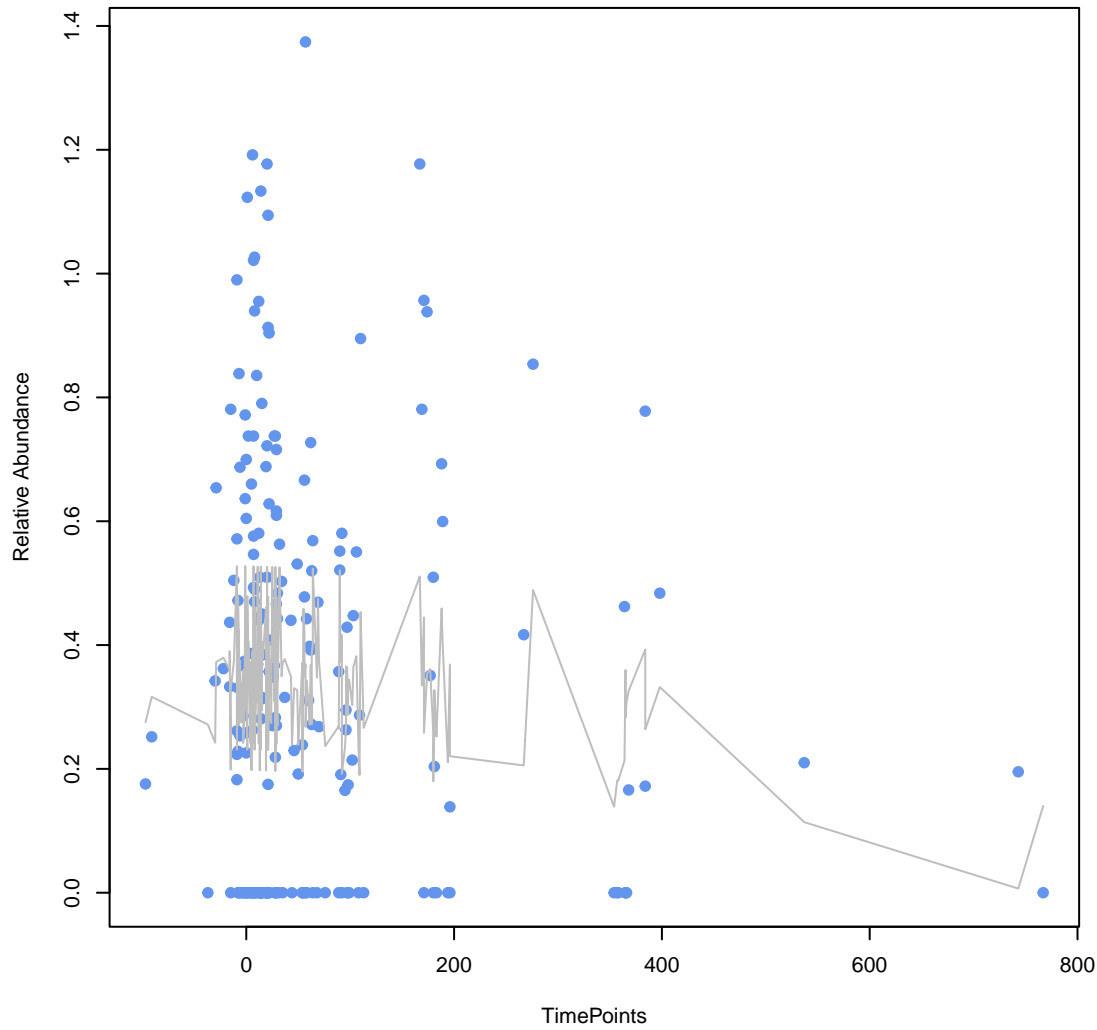
RGI
emrB
ANOVA Pval: 0.0571



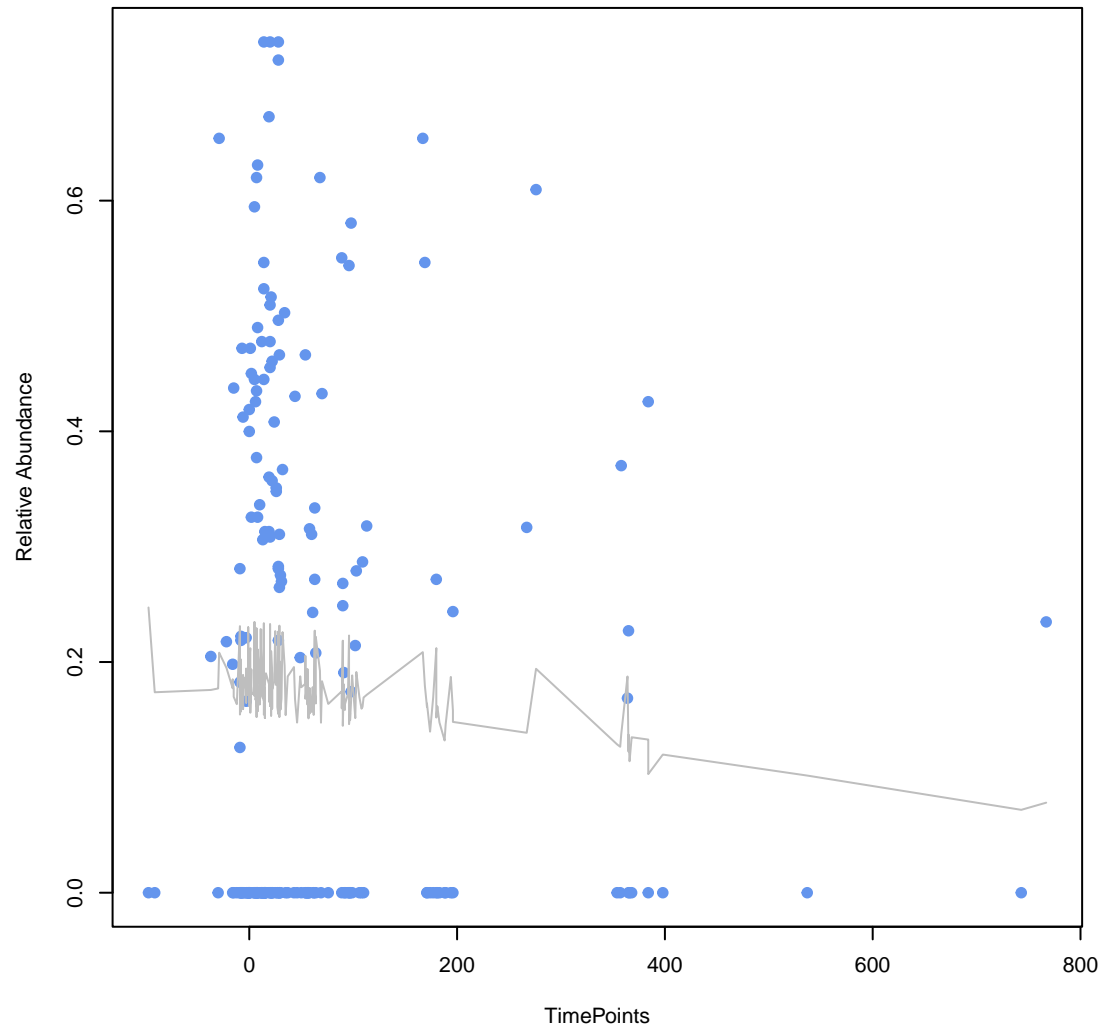
RGI
adeA
ANOVA Pval: 0.0069



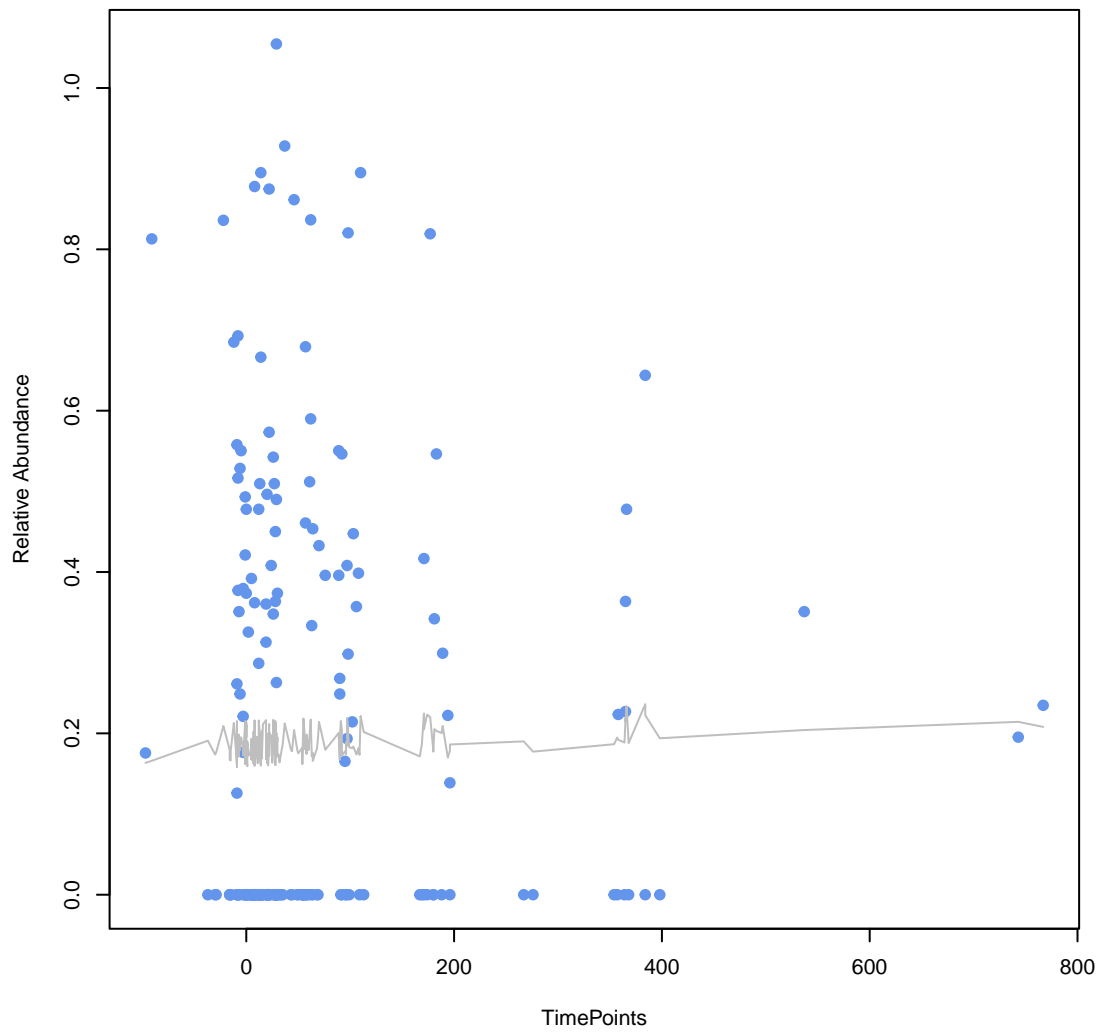
RGI
ImrD
ANOVA Pval: 0.439



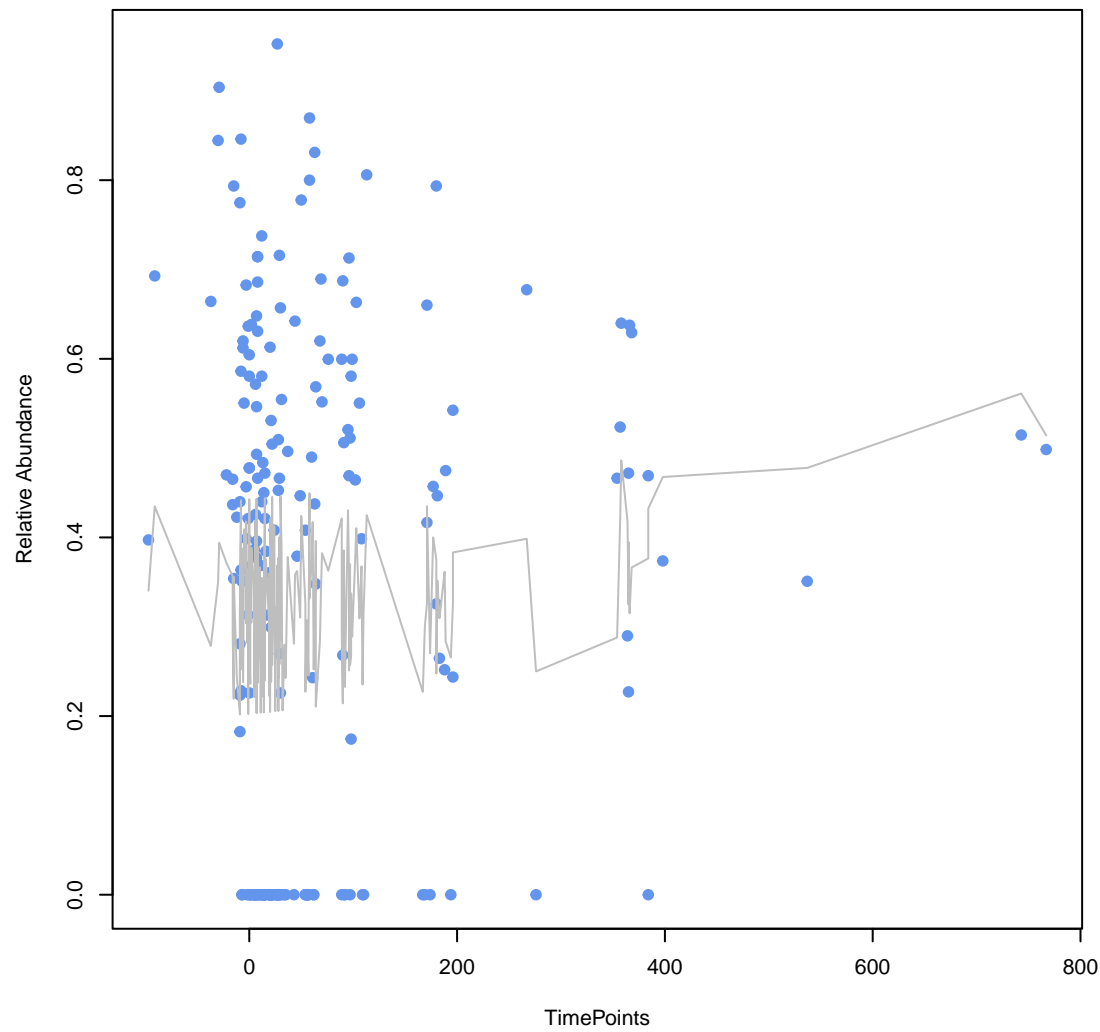
RGI
vanX gene in vanA cluster
ANOVA Pval: 0.576



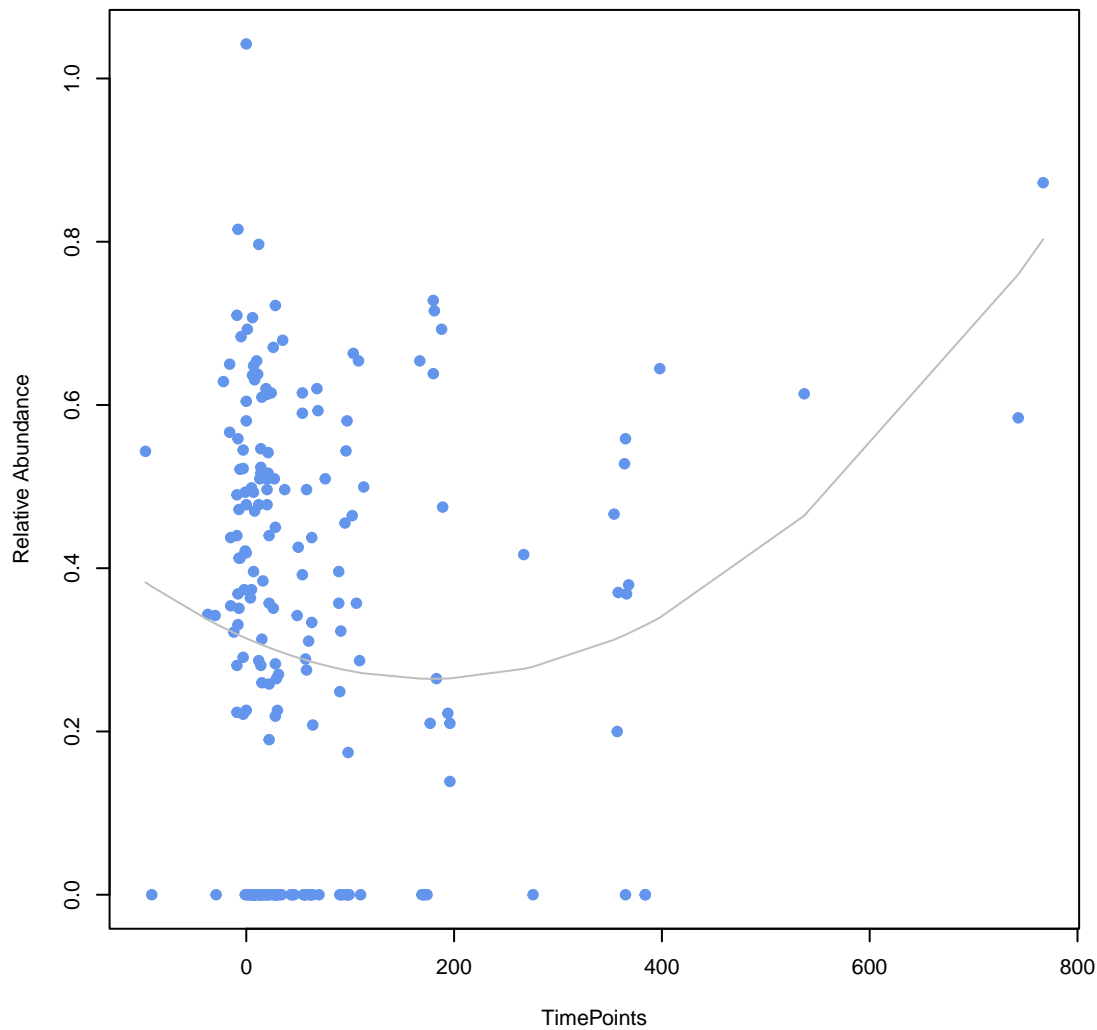
RGI
oqxB
ANOVA Pval: 0.941



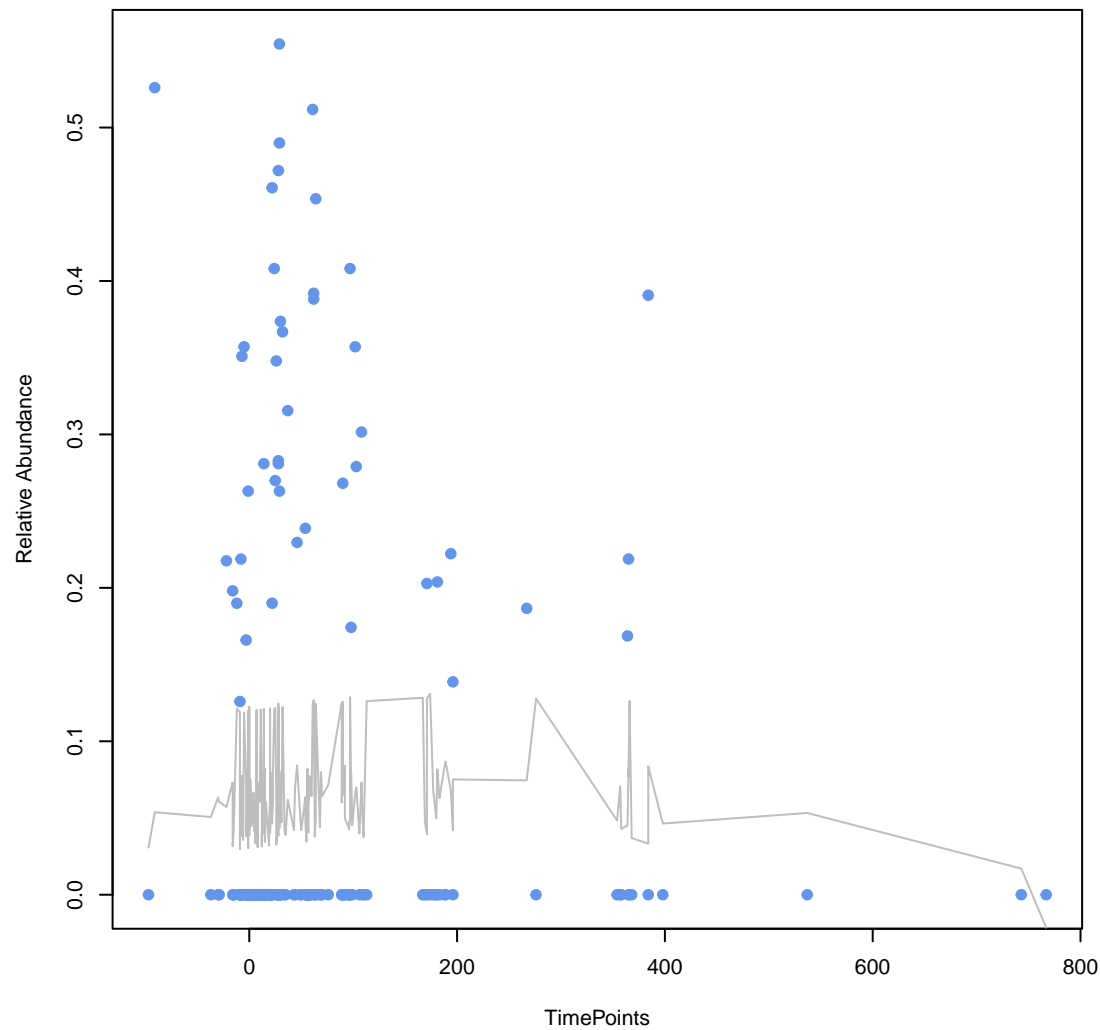
RGI
vanI
ANOVA Pval: 0.357



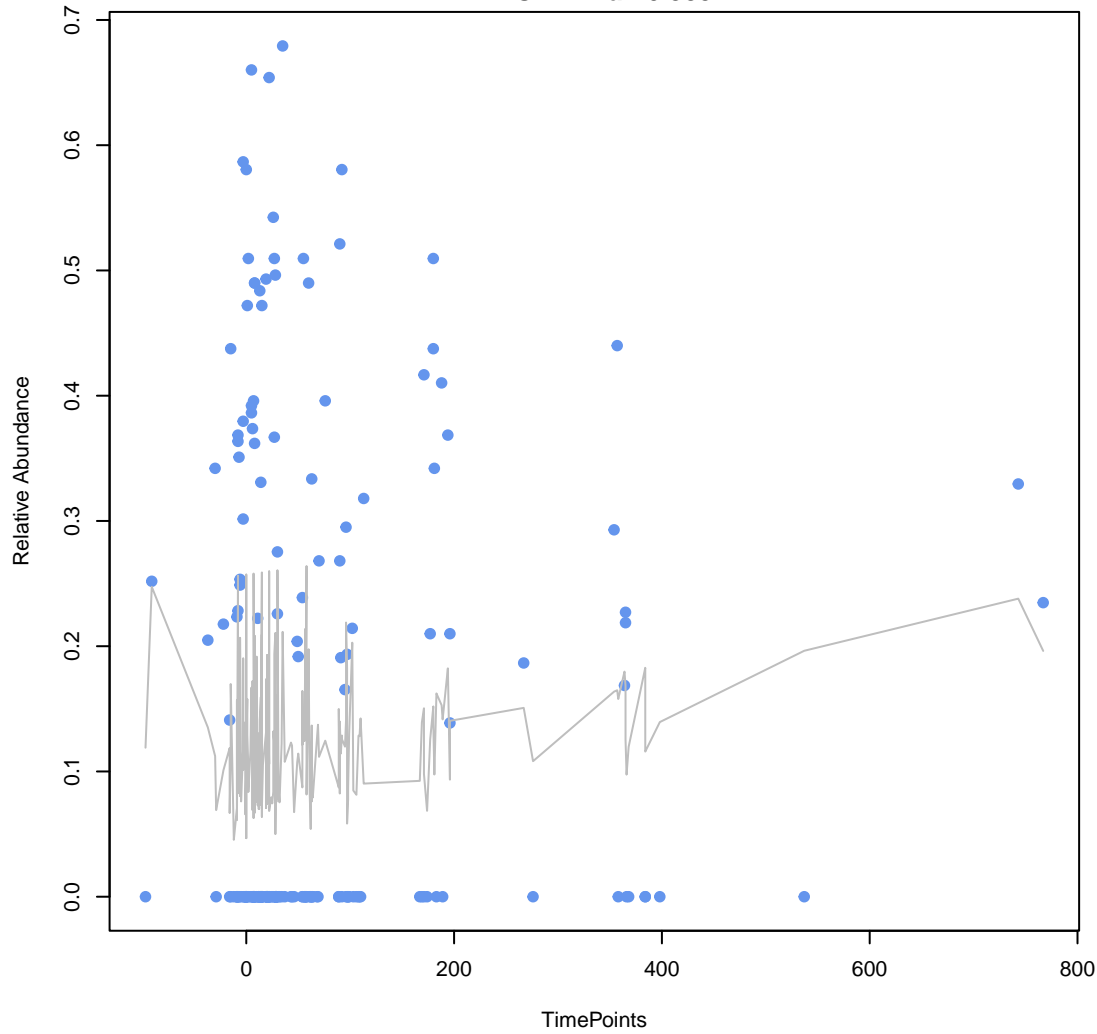
RGI
BlaB-16
ANOVA Pval: 0.0149



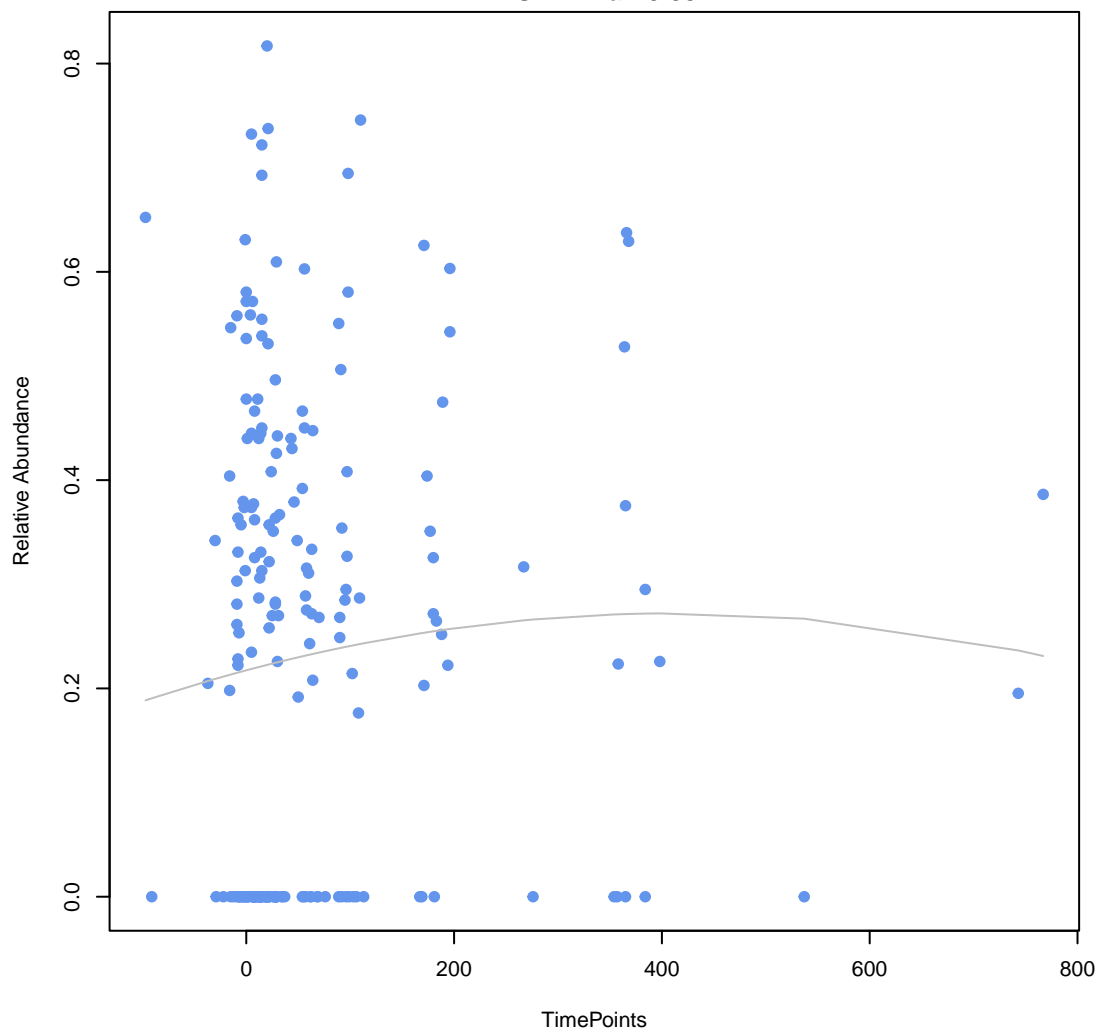
RGI
Escherichia coli UhpT with mutation conferring resistance to fosfomycin
ANOVA Pval: 0.792



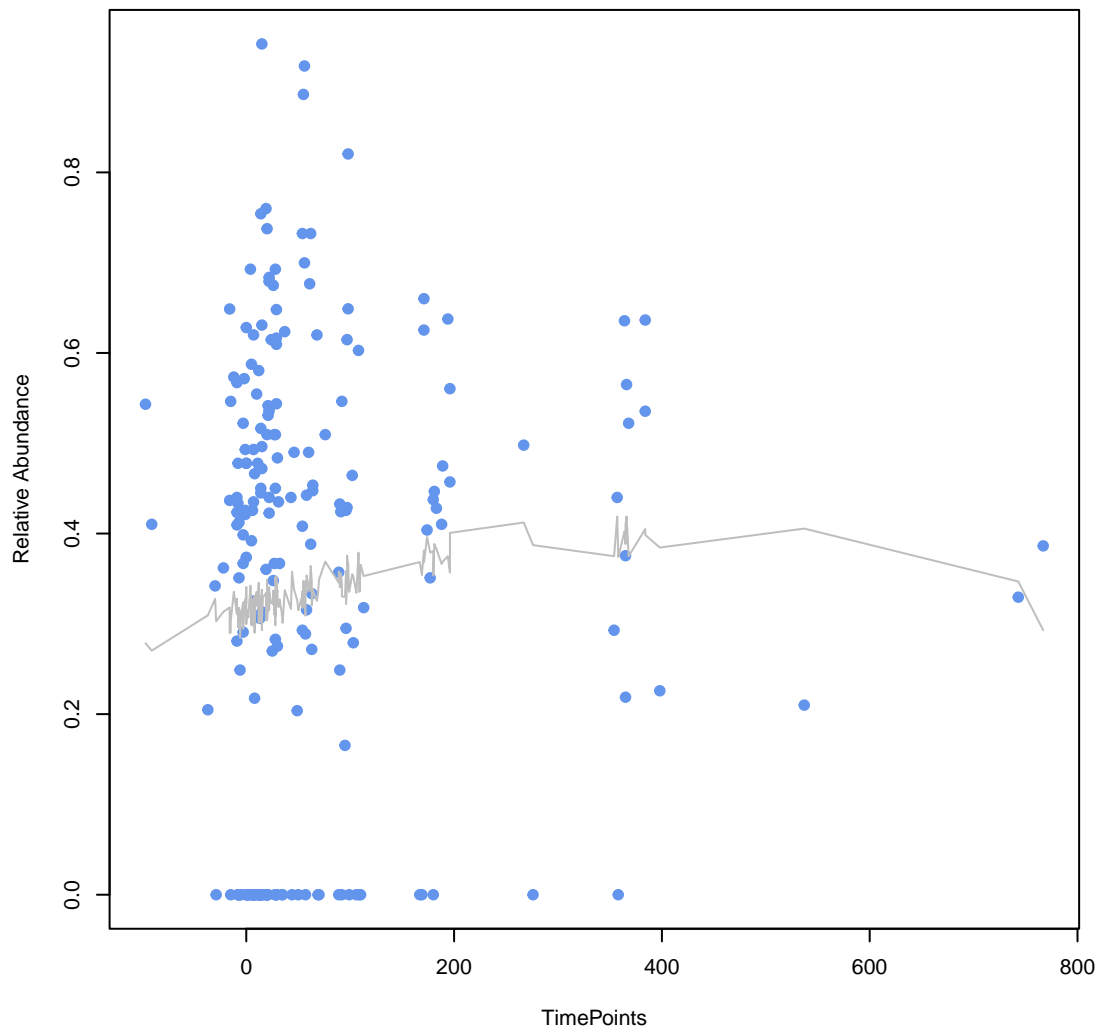
RGI
tet(W/32/O)
ANOVA Pval: 0.383



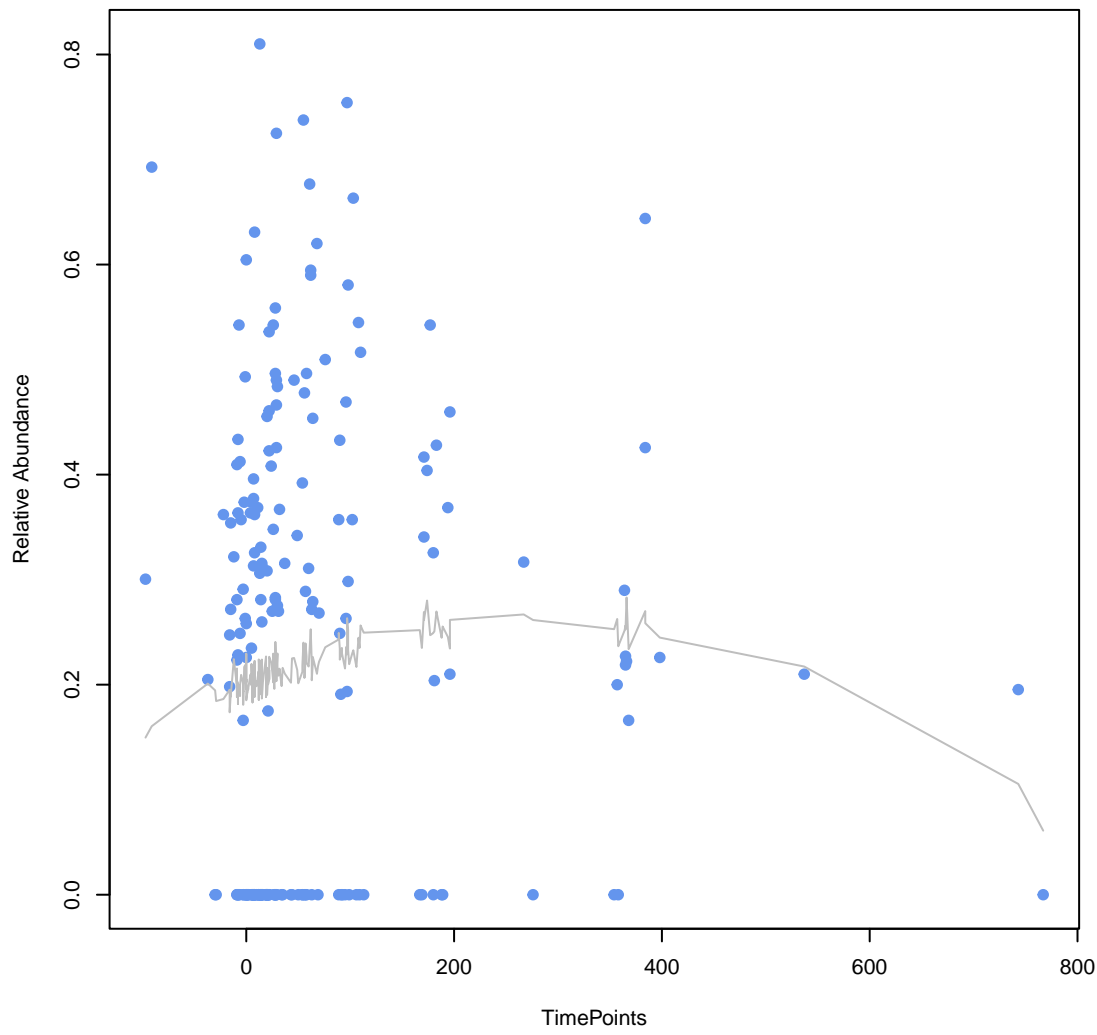
RGI
AcrF
ANOVA Pval: 0.597



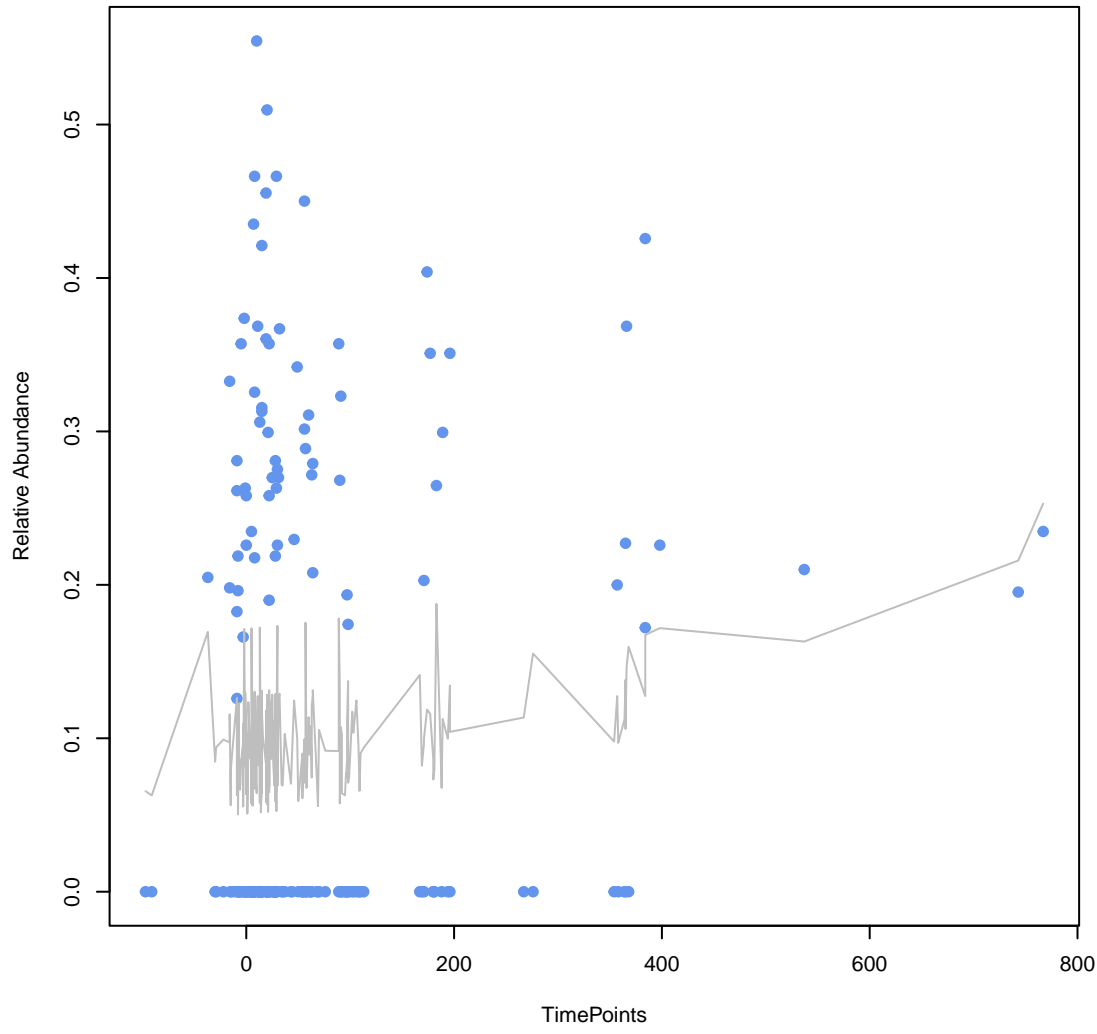
RGI
acrD
ANOVA Pval: 0.399



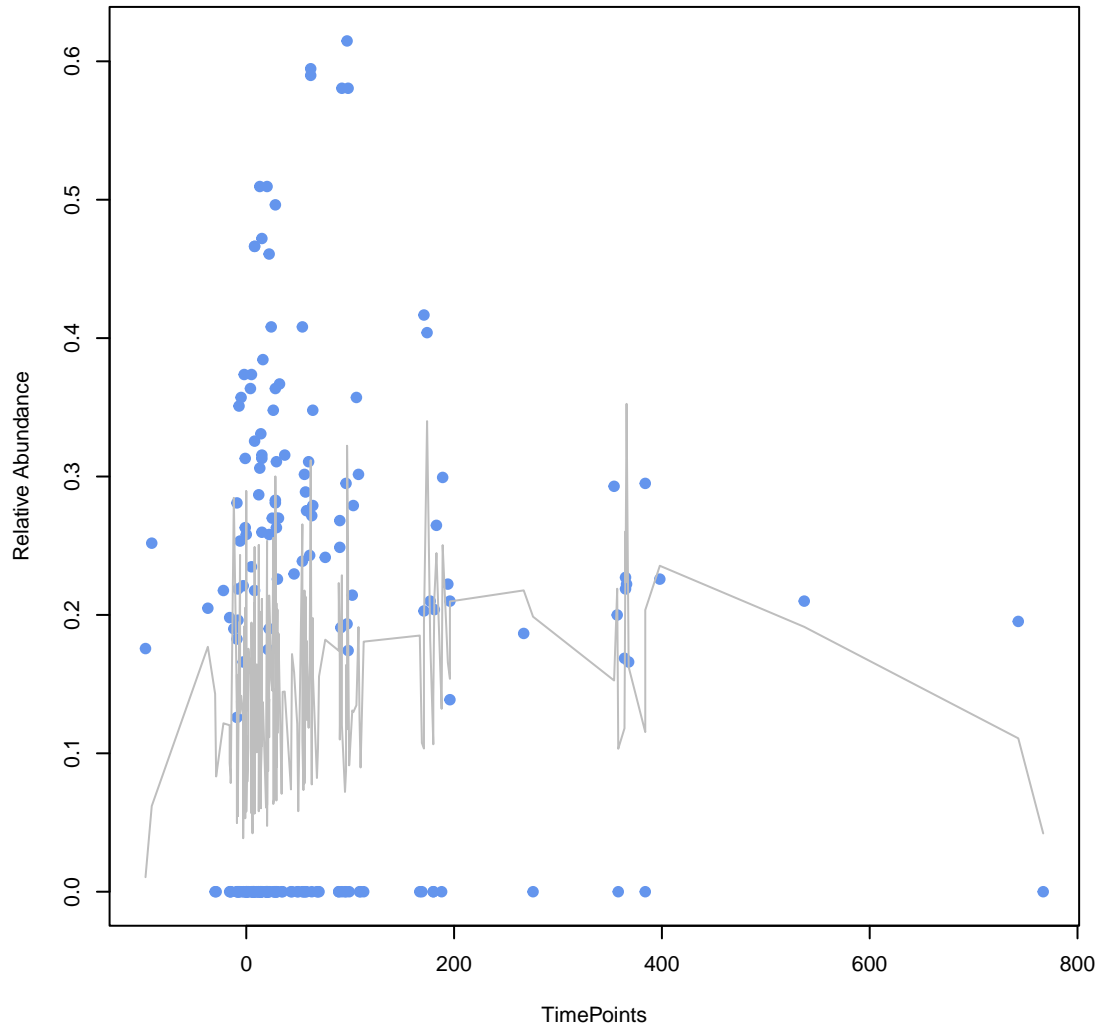
RGI
CRP
ANOVA Pval: 0.31



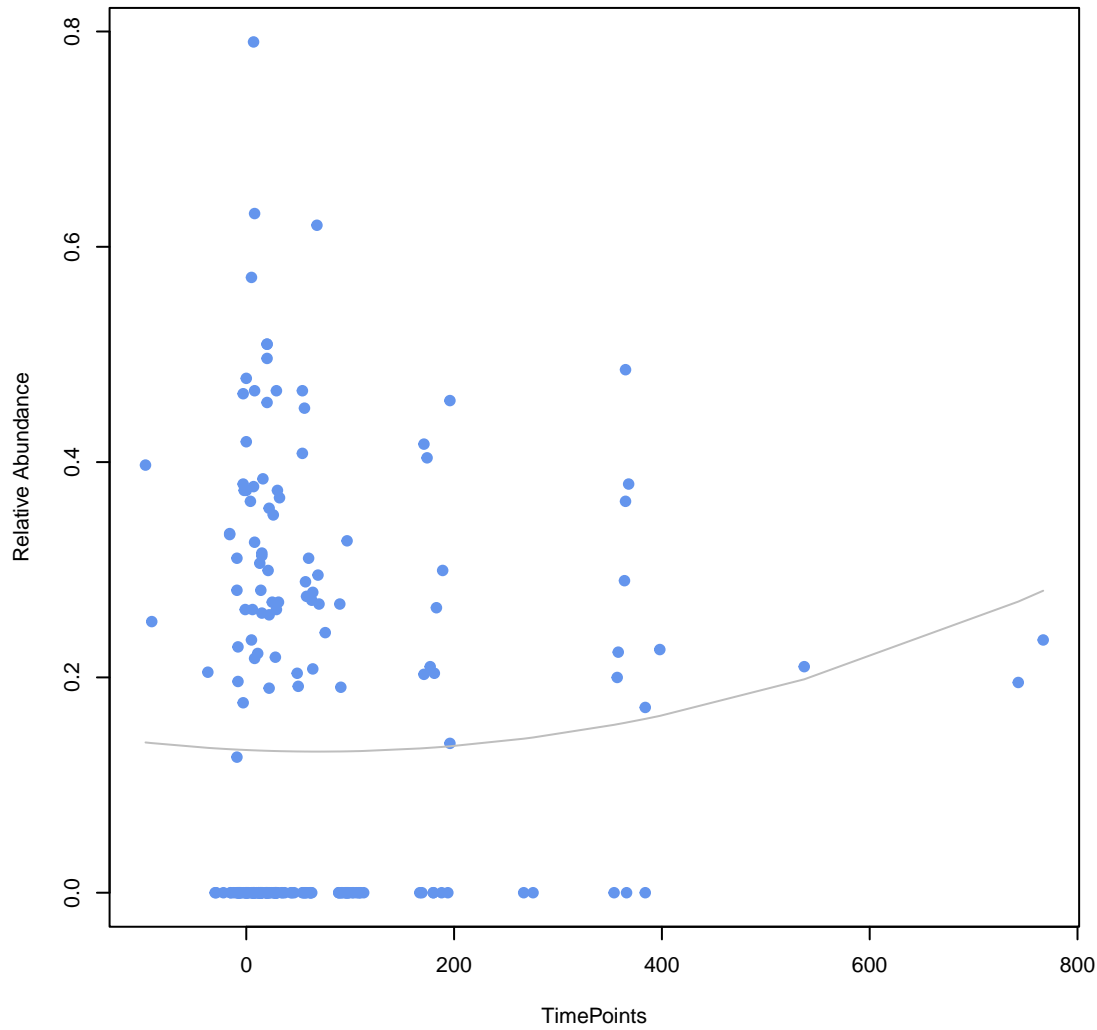
RGI
gadX
ANOVA Pval: 0.254



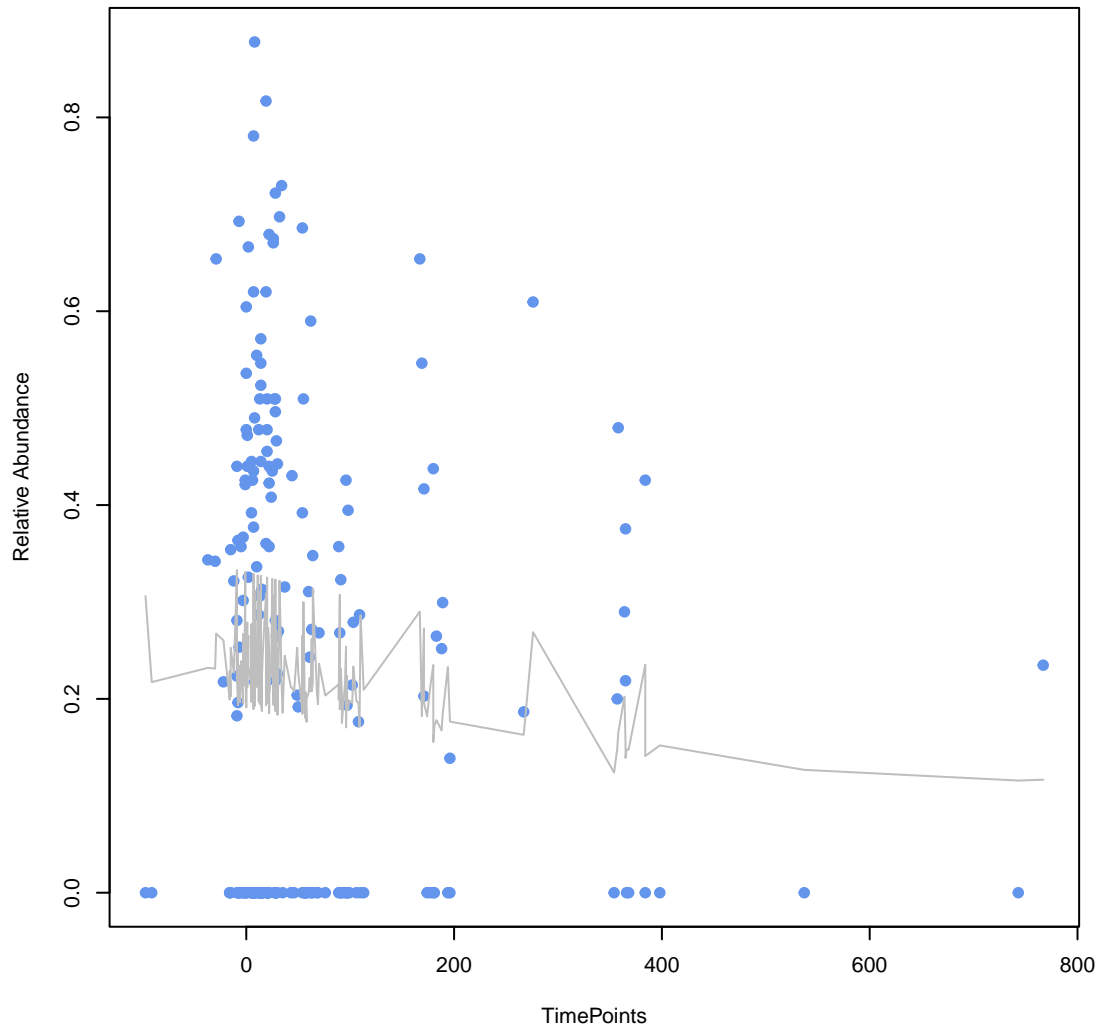
RGI
Escherichia coli EF-Tu mutants conferring resistance to Pulvomycin
ANOVA Pval: 0.128



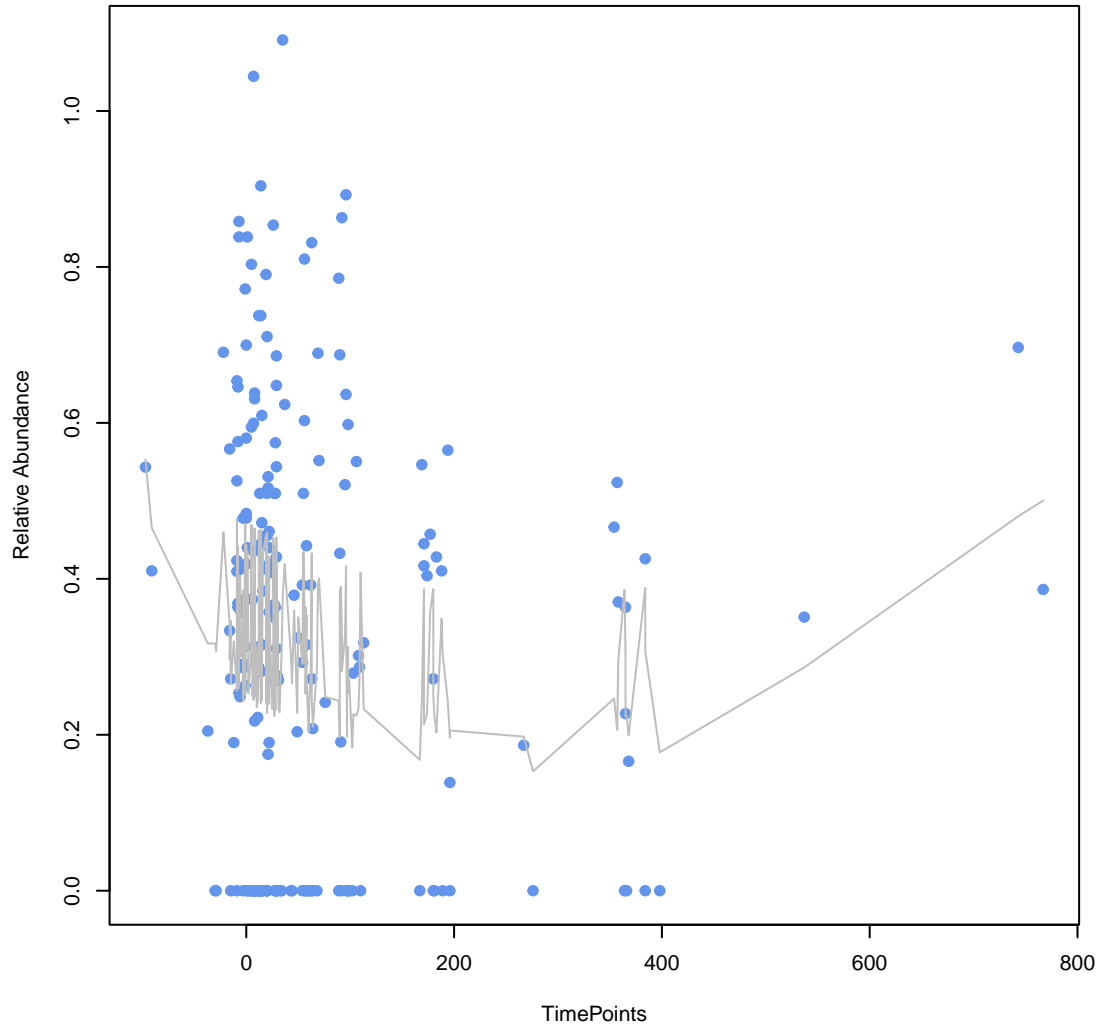
RGI
mdtN
ANOVA Pval: 0.442



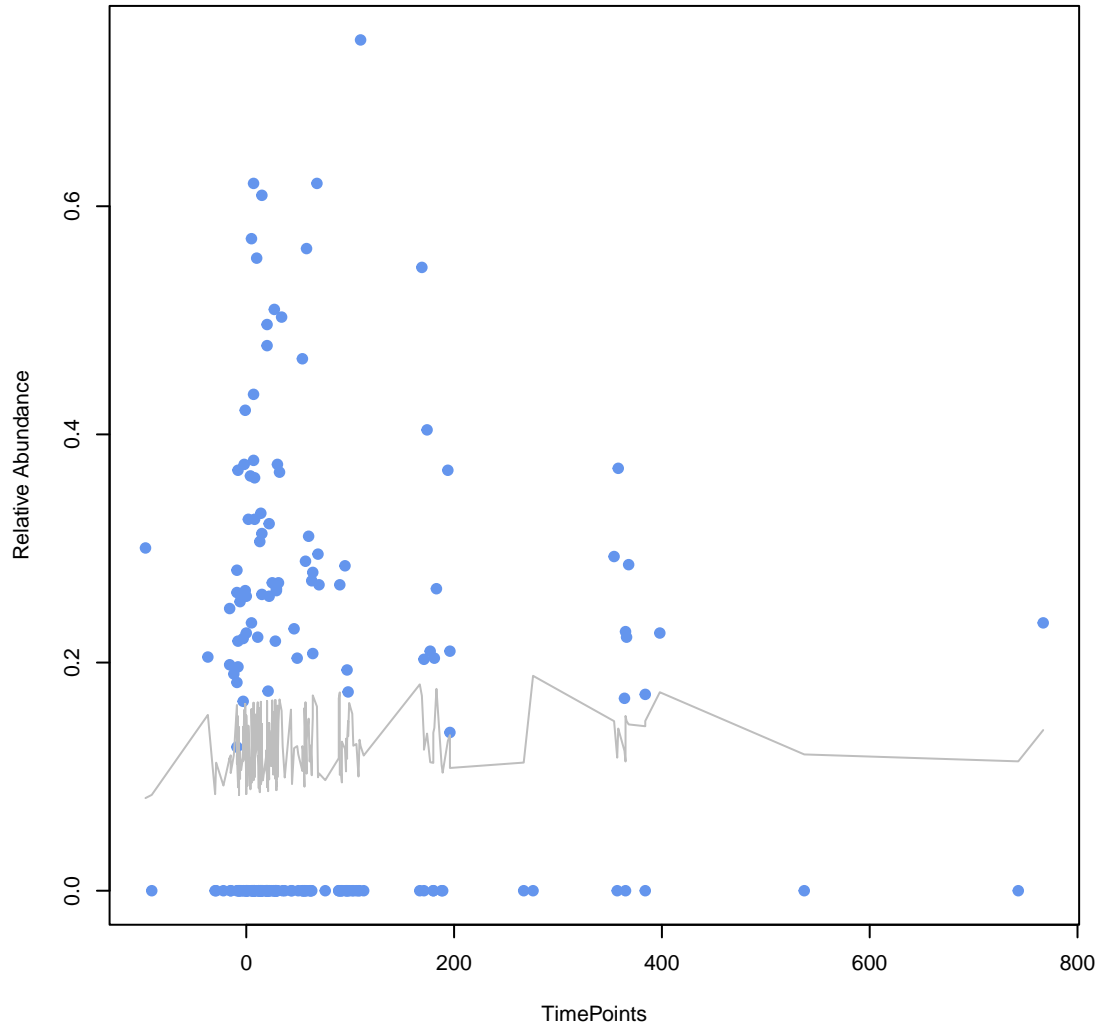
RGI
vanA
ANOVA Pval: 0.372



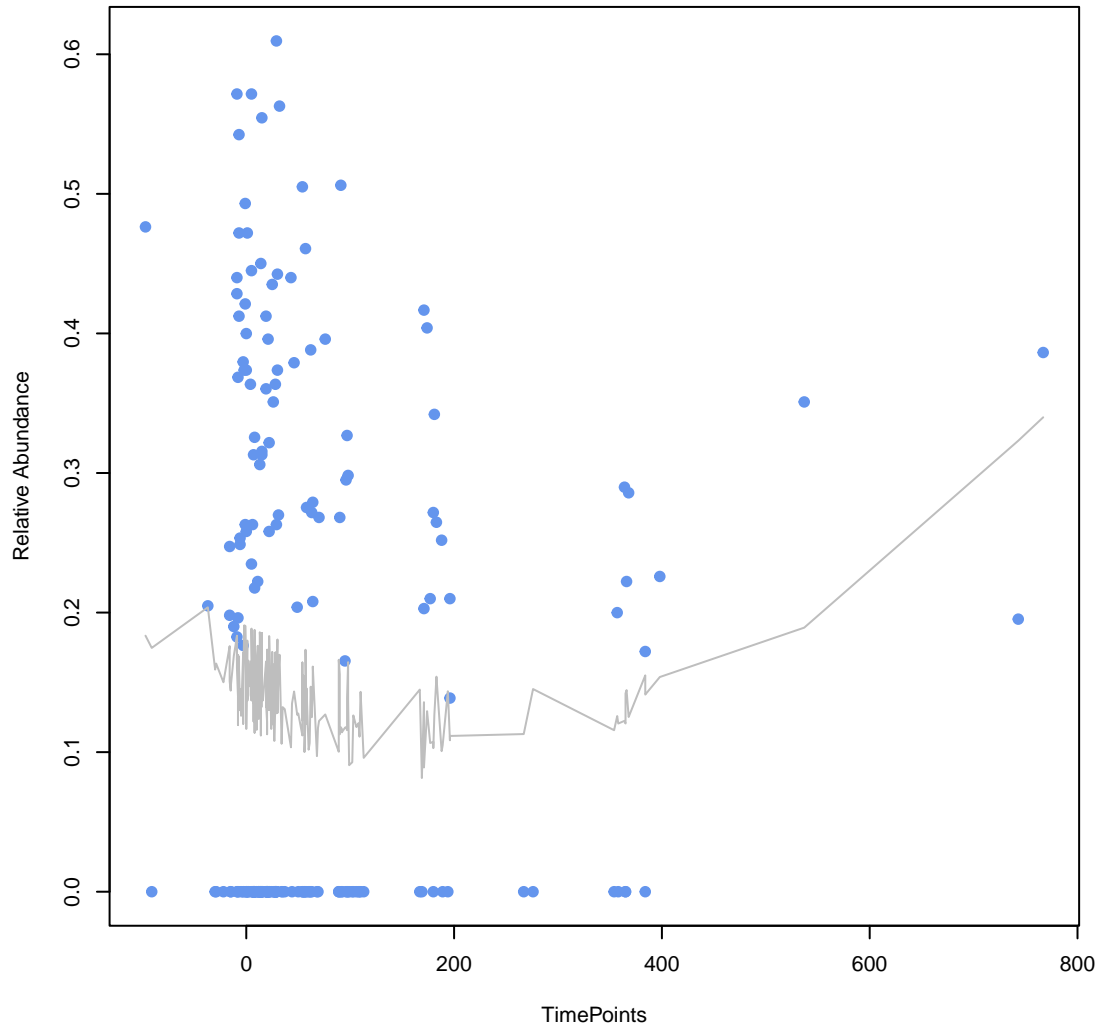
RGI
Bifidobacterium adolescentis rpoB mutants conferring resistance to rifampicin
ANOVA Pval: 0.0993



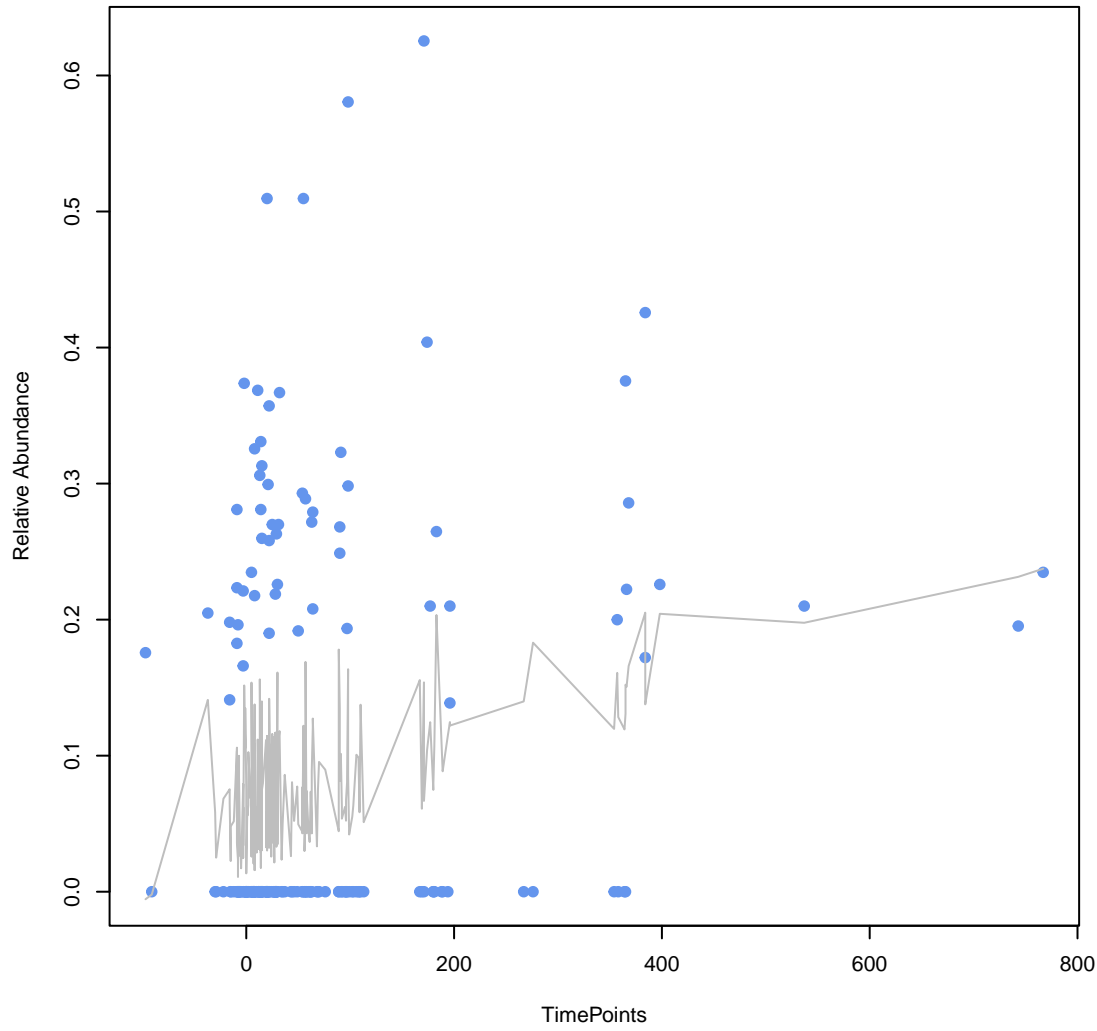
RGI
AcrE
ANOVA Pval: 0.782



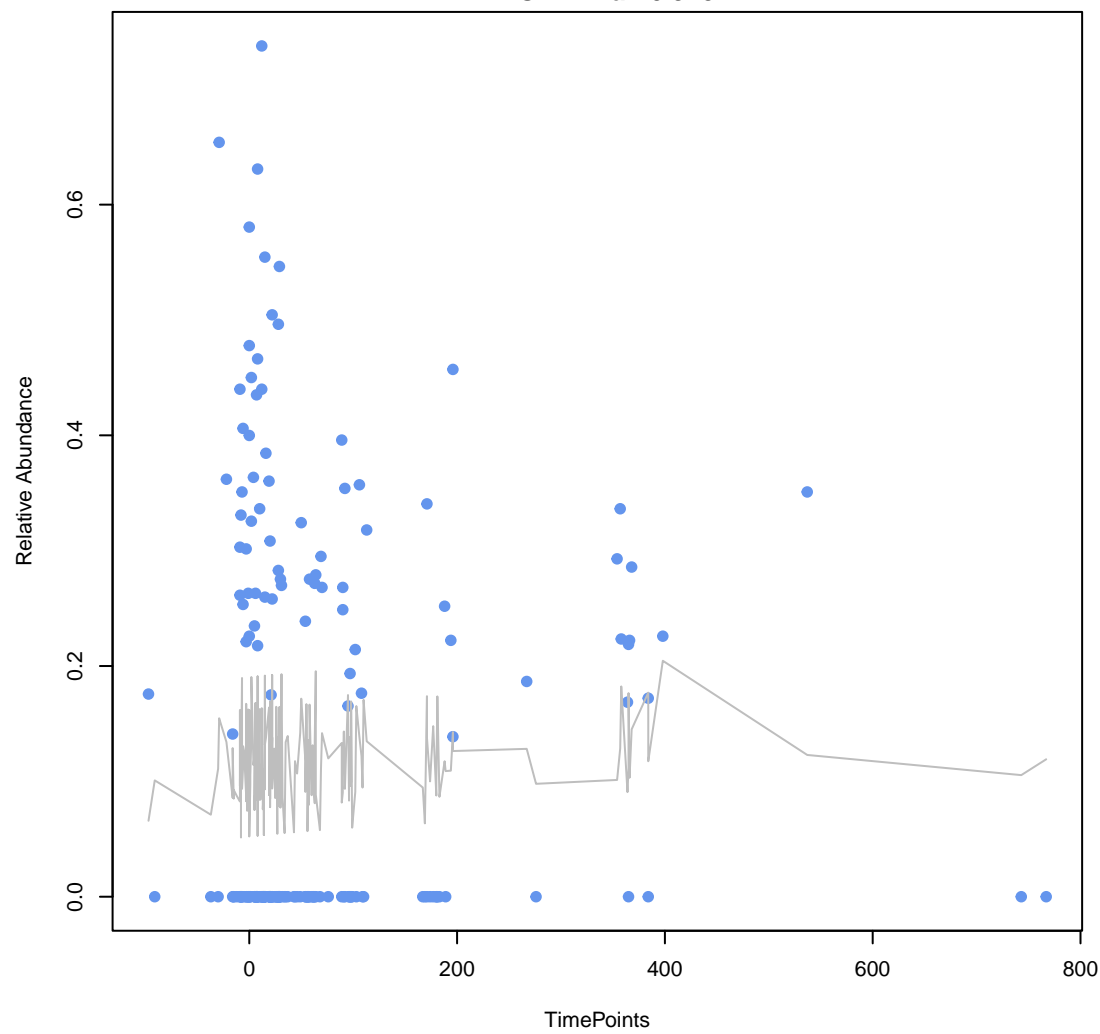
RGI
YojI
ANOVA Pval: 0.175



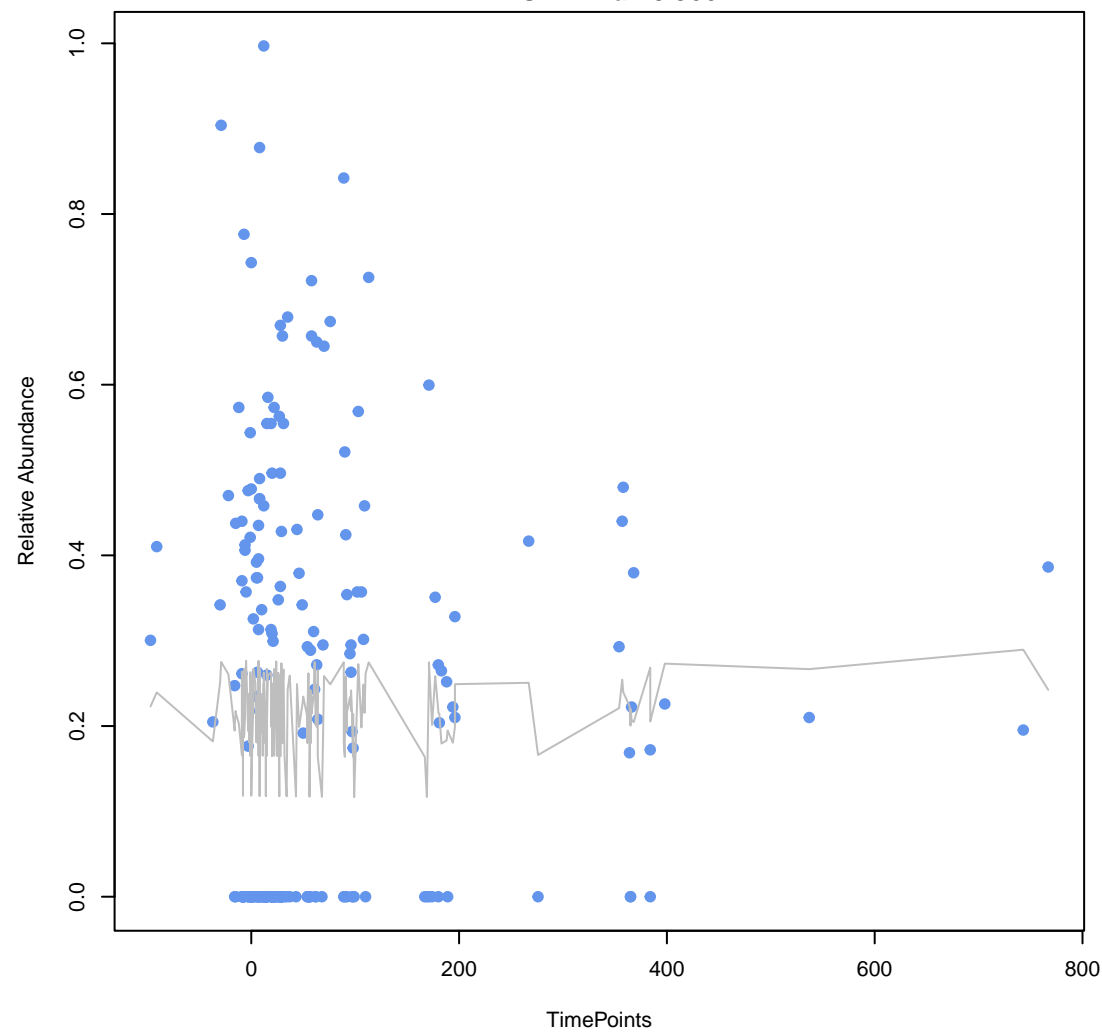
RGI
evgA
ANOVA Pval: 0.00452



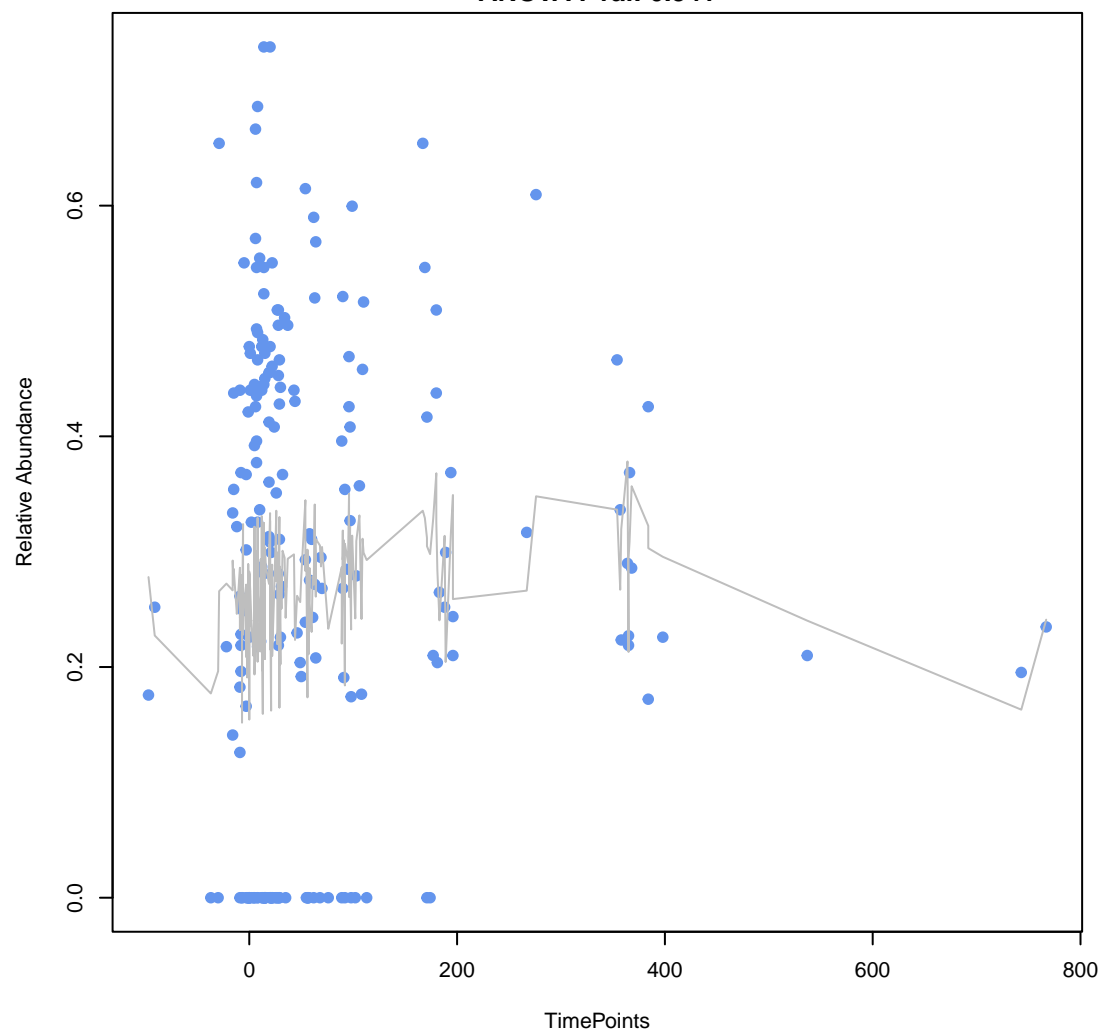
RGI
vanS gene in vanD cluster
ANOVA Pval: 0.915



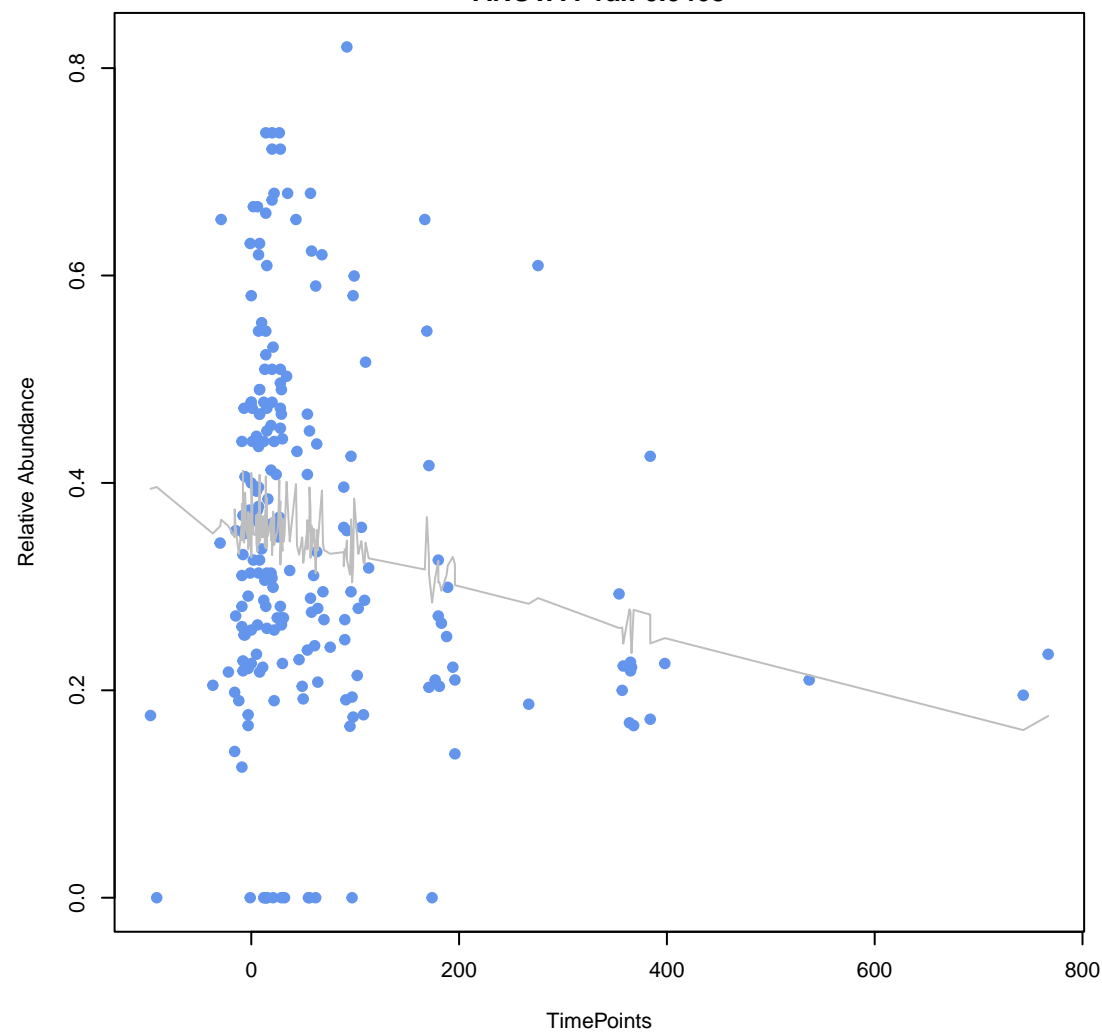
RGI
vanR gene in vanD cluster
ANOVA Pval: 0.966



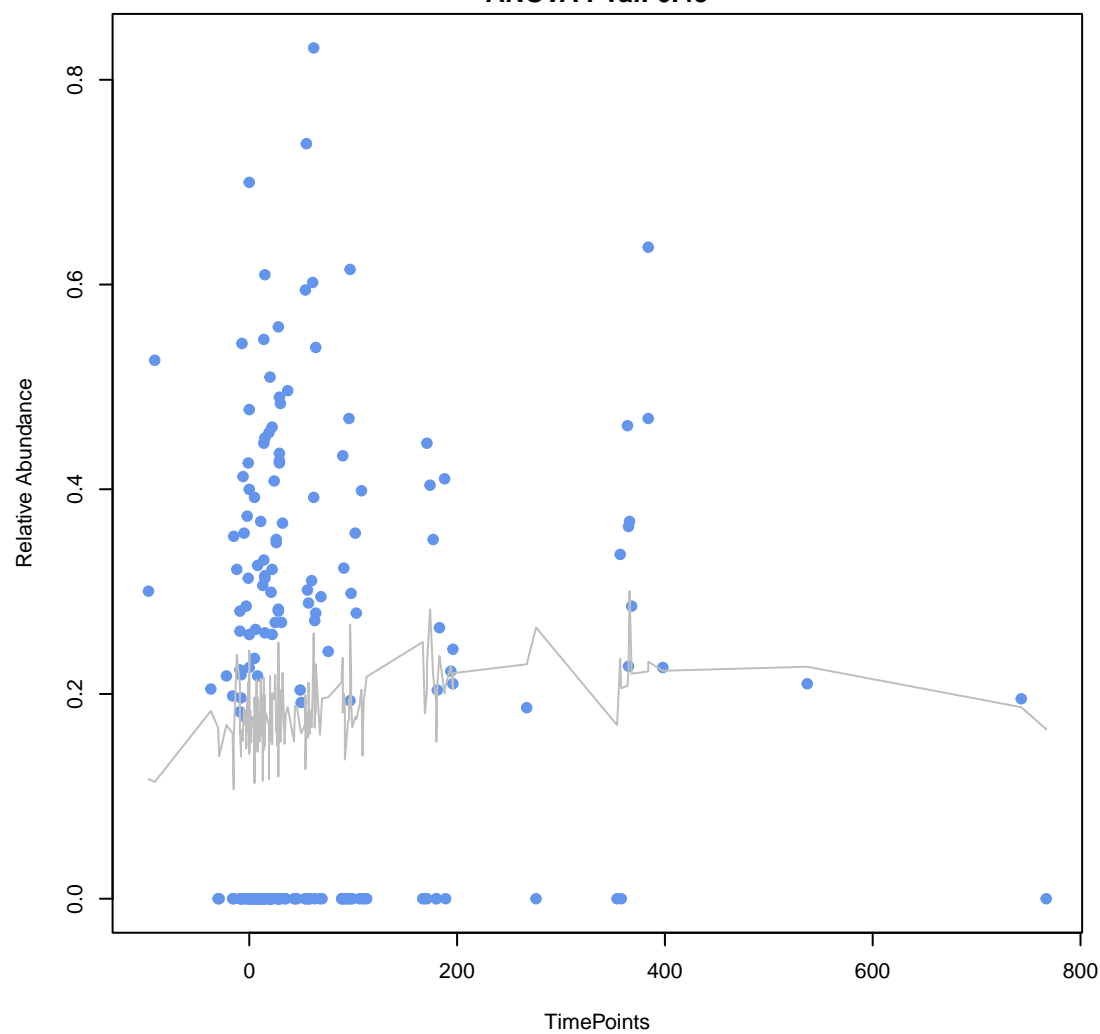
RGI
SAT-4
ANOVA Pval: 0.341



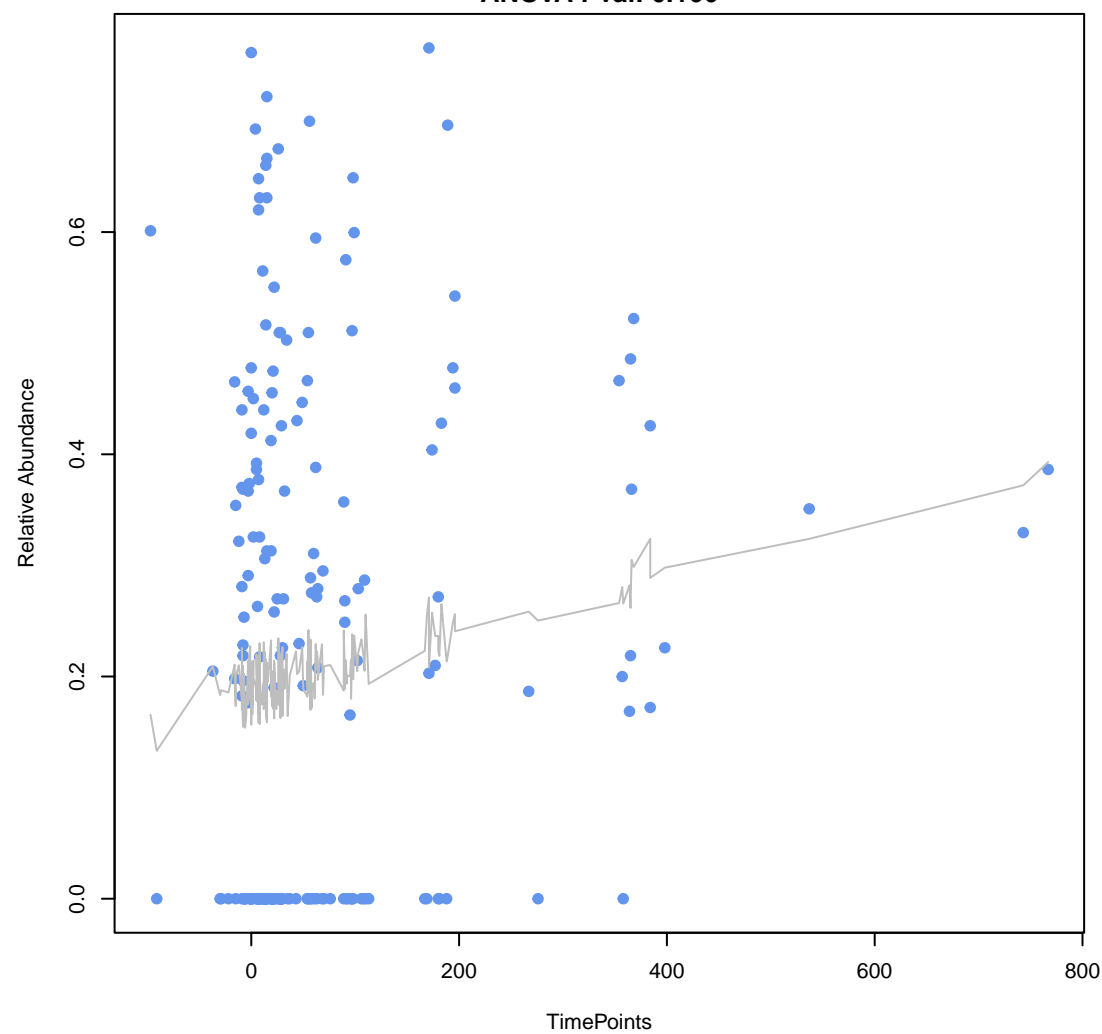
RGI
ErmB
ANOVA Pval: 0.0468



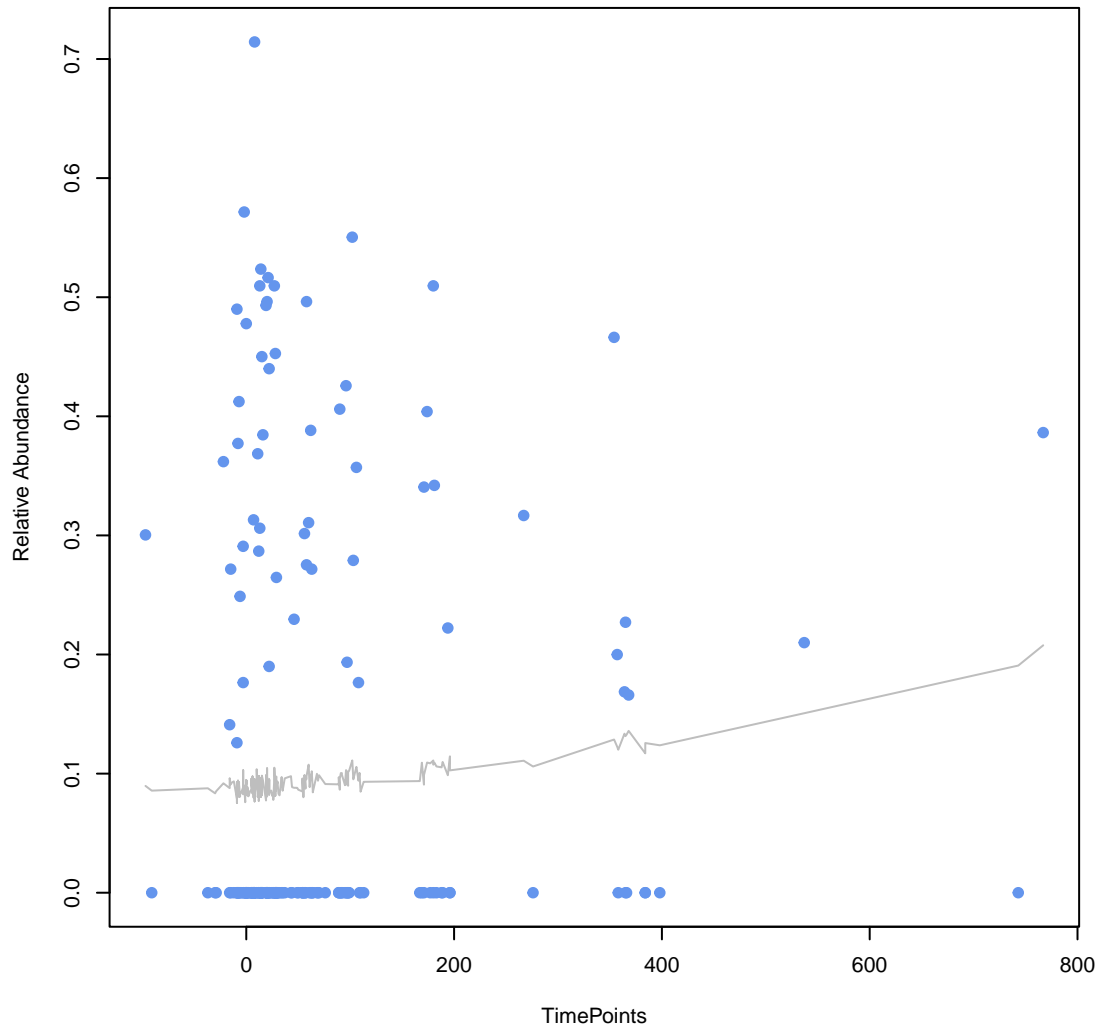
RGI
baeR
ANOVA Pval: 0.45



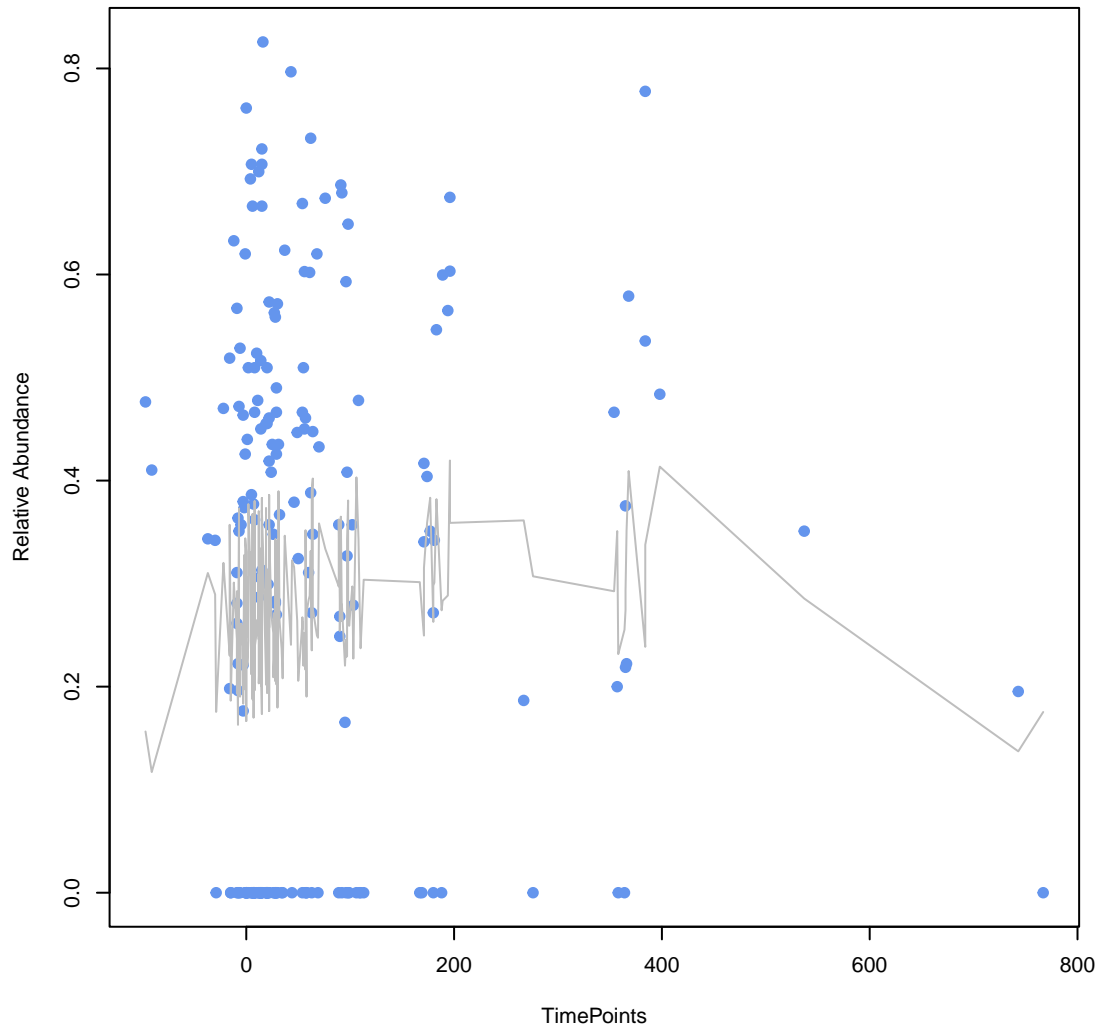
RGI
mdtF
ANOVA Pval: 0.166



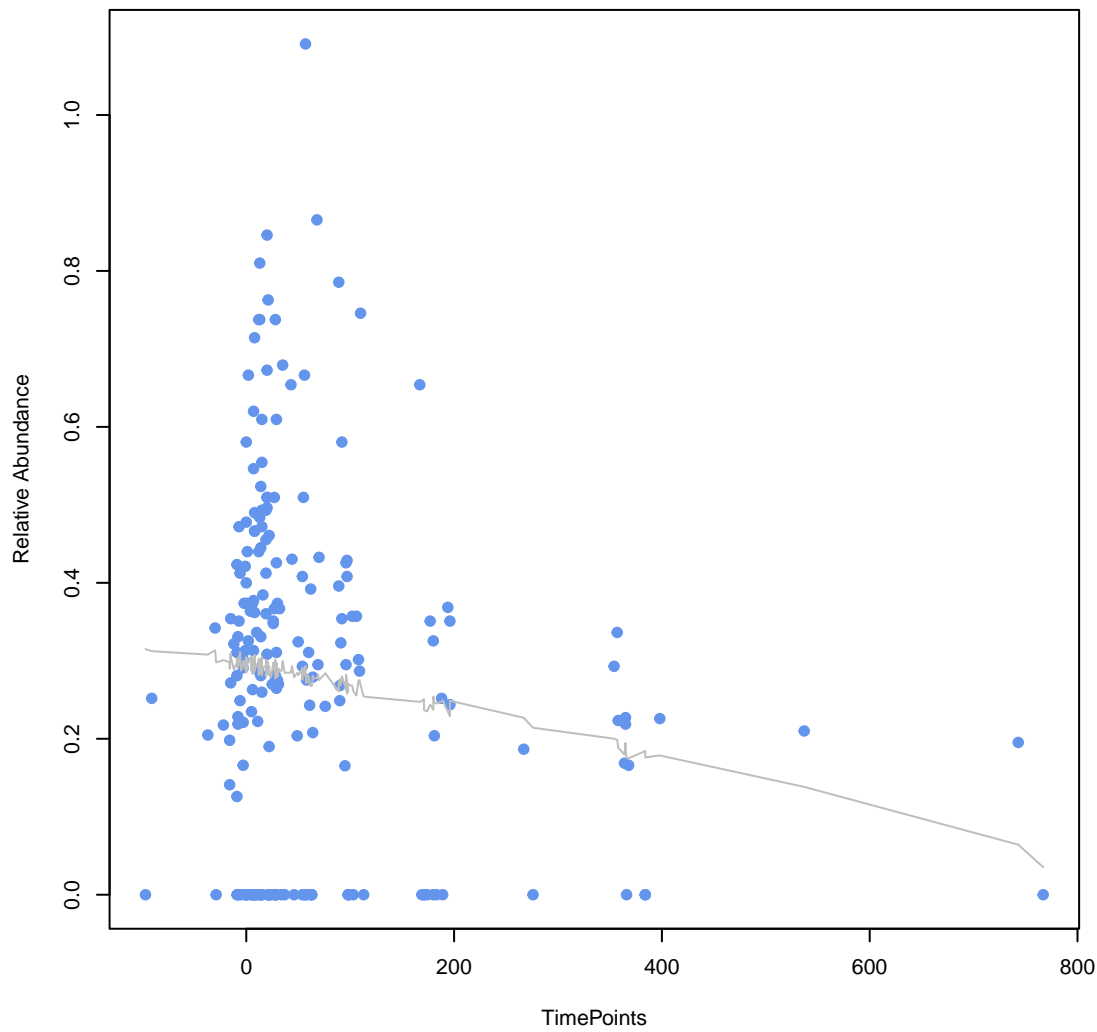
RGI
tet(W/N/W)
ANOVA Pval: 0.483



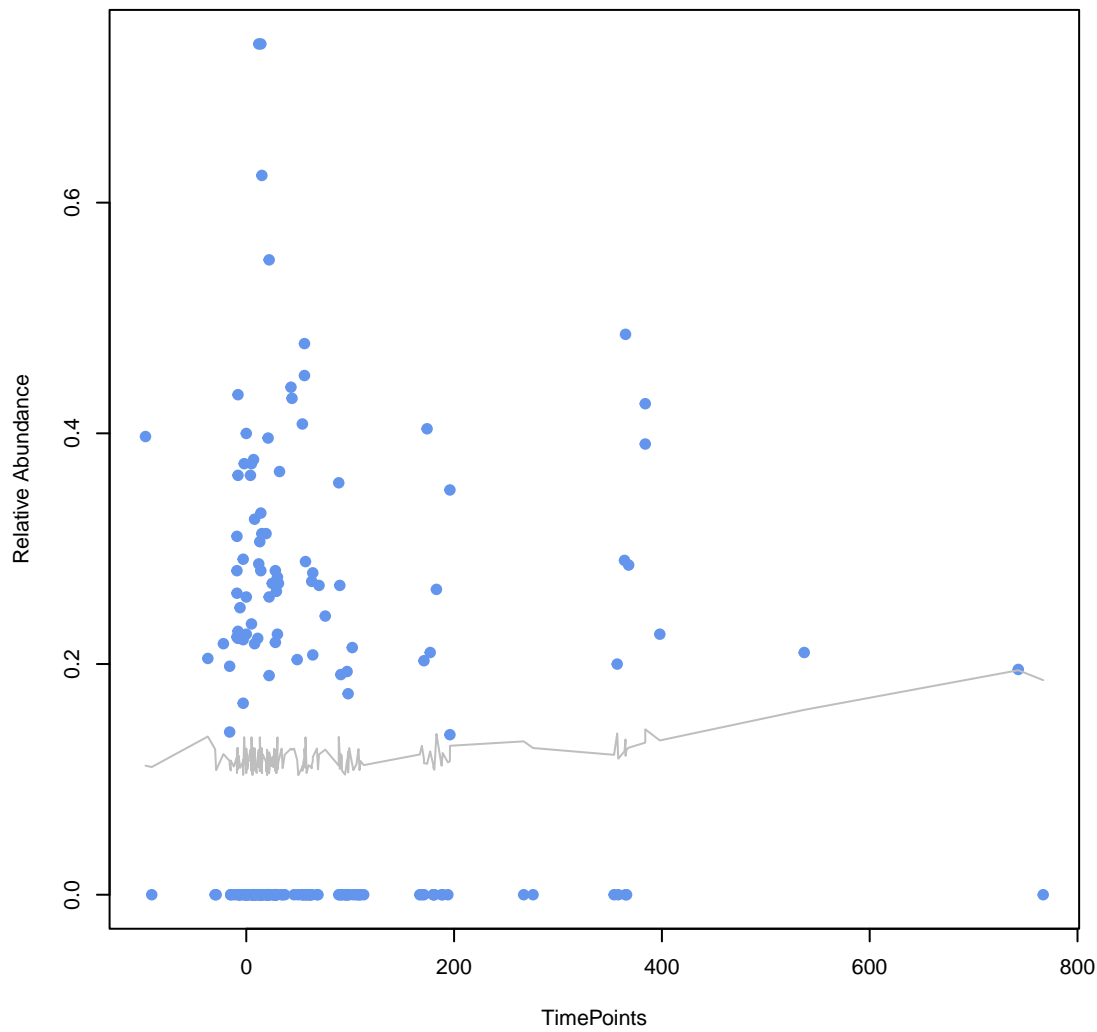
RGI
acrB
ANOVA Pval: 0.272



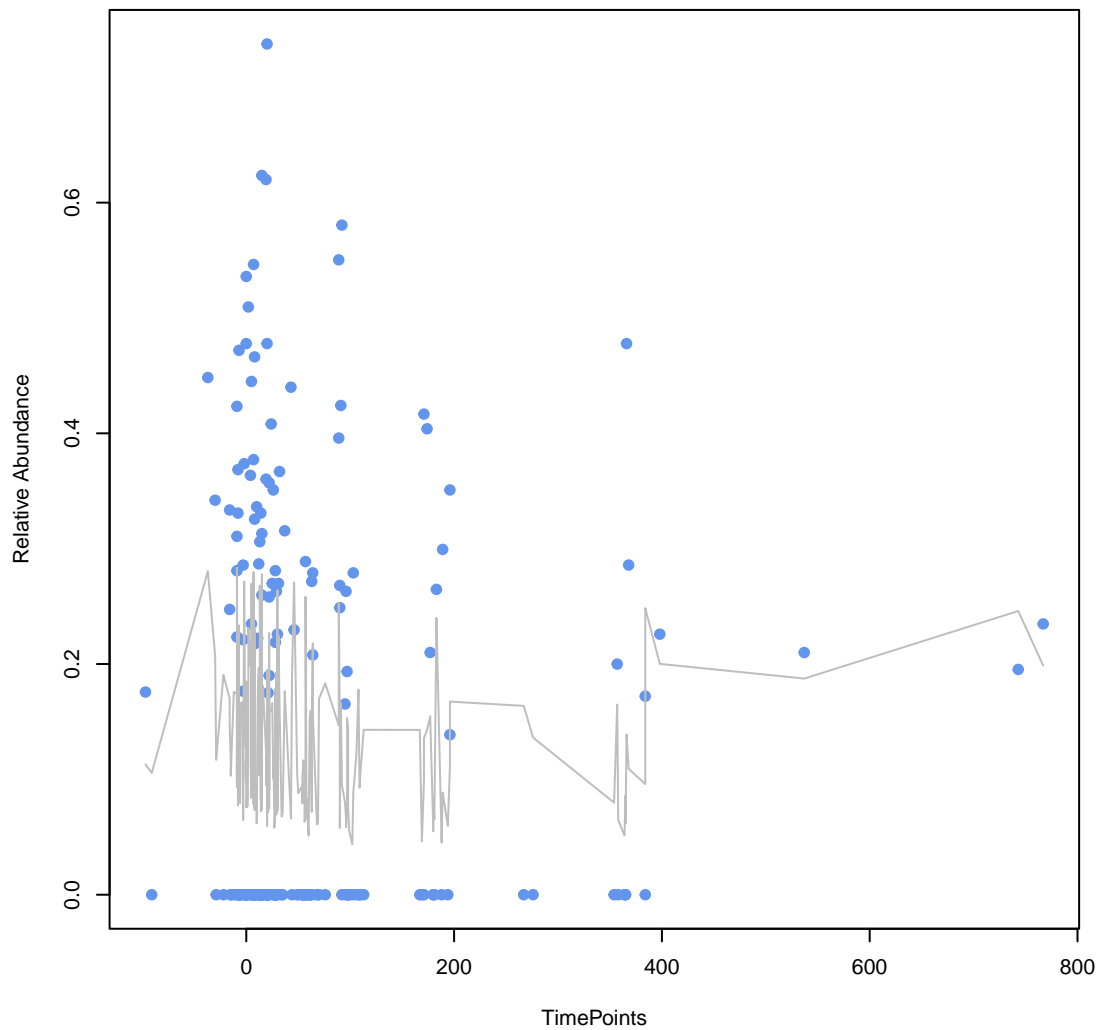
RGI
ErmF
ANOVA Pval: 0.0641



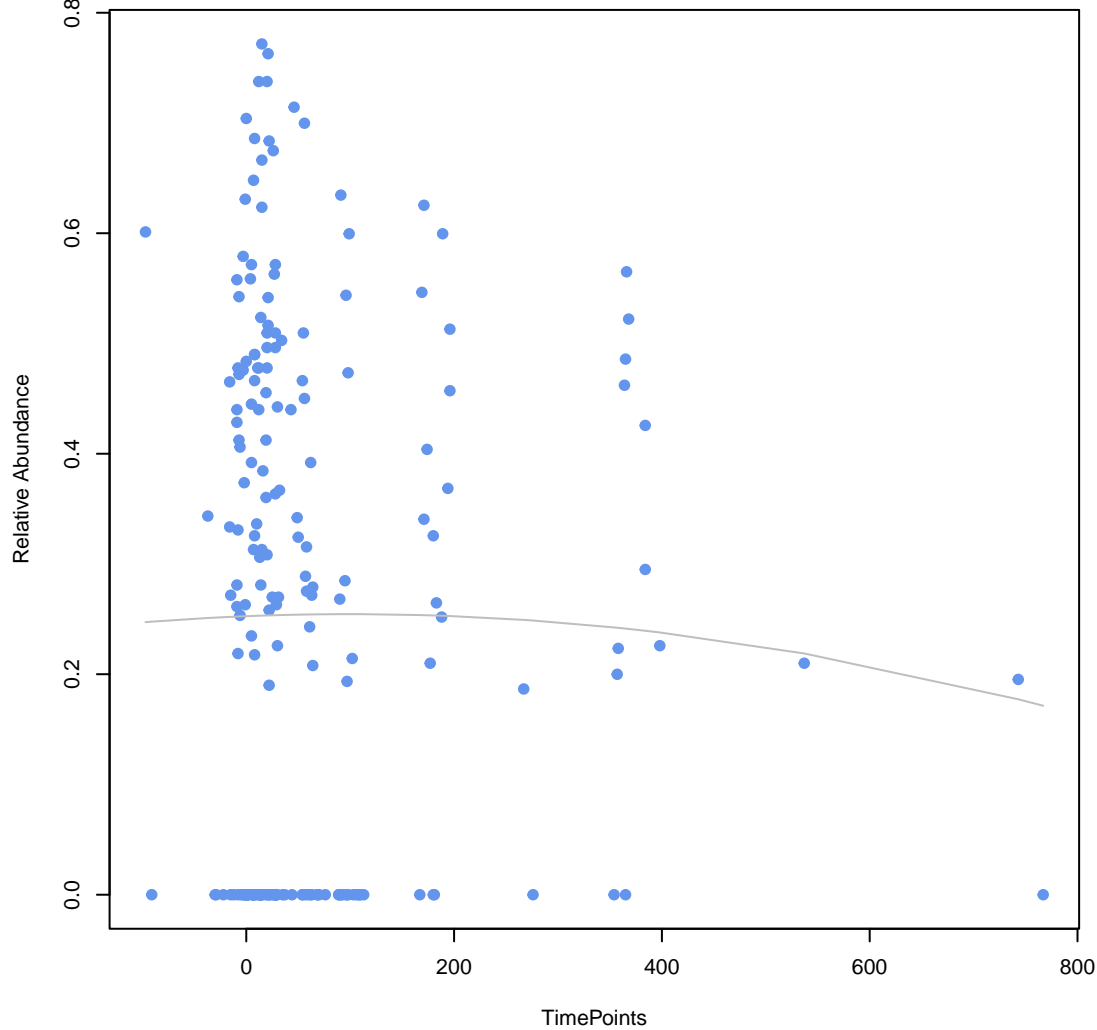
RGI
mdtA
ANOVA Pval: 0.785



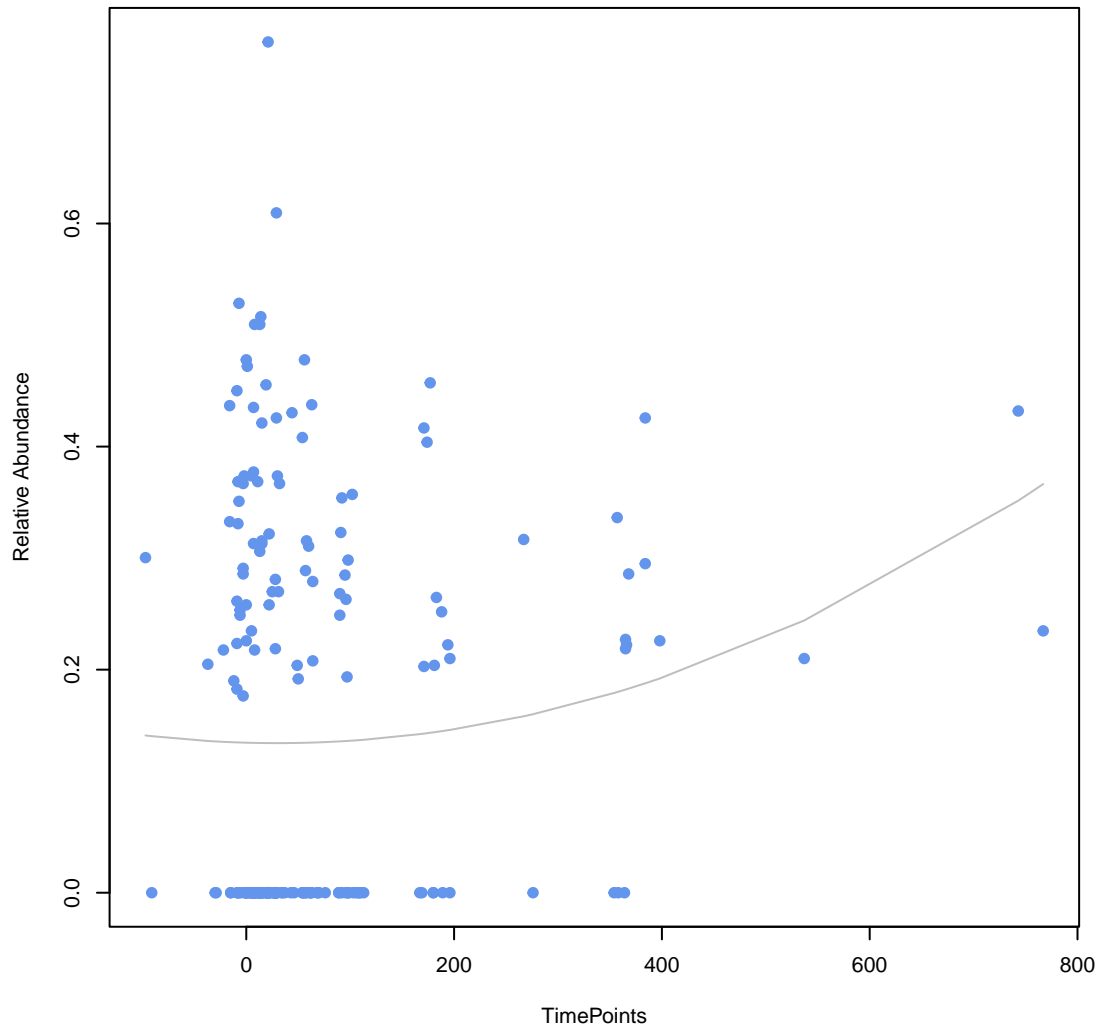
RGI
emrY
ANOVA Pval: 0.524



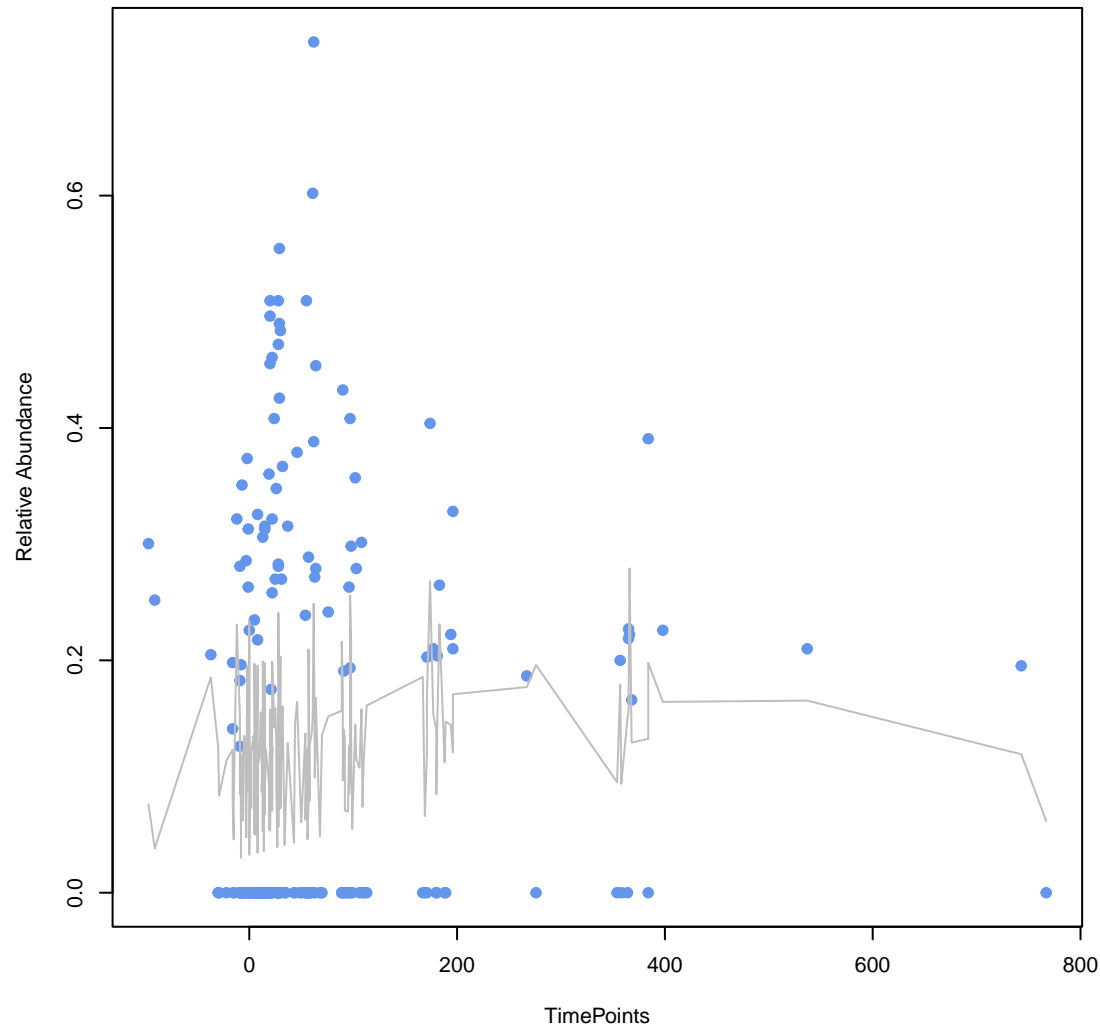
RGI
evgS
ANOVA Pval: 0.878



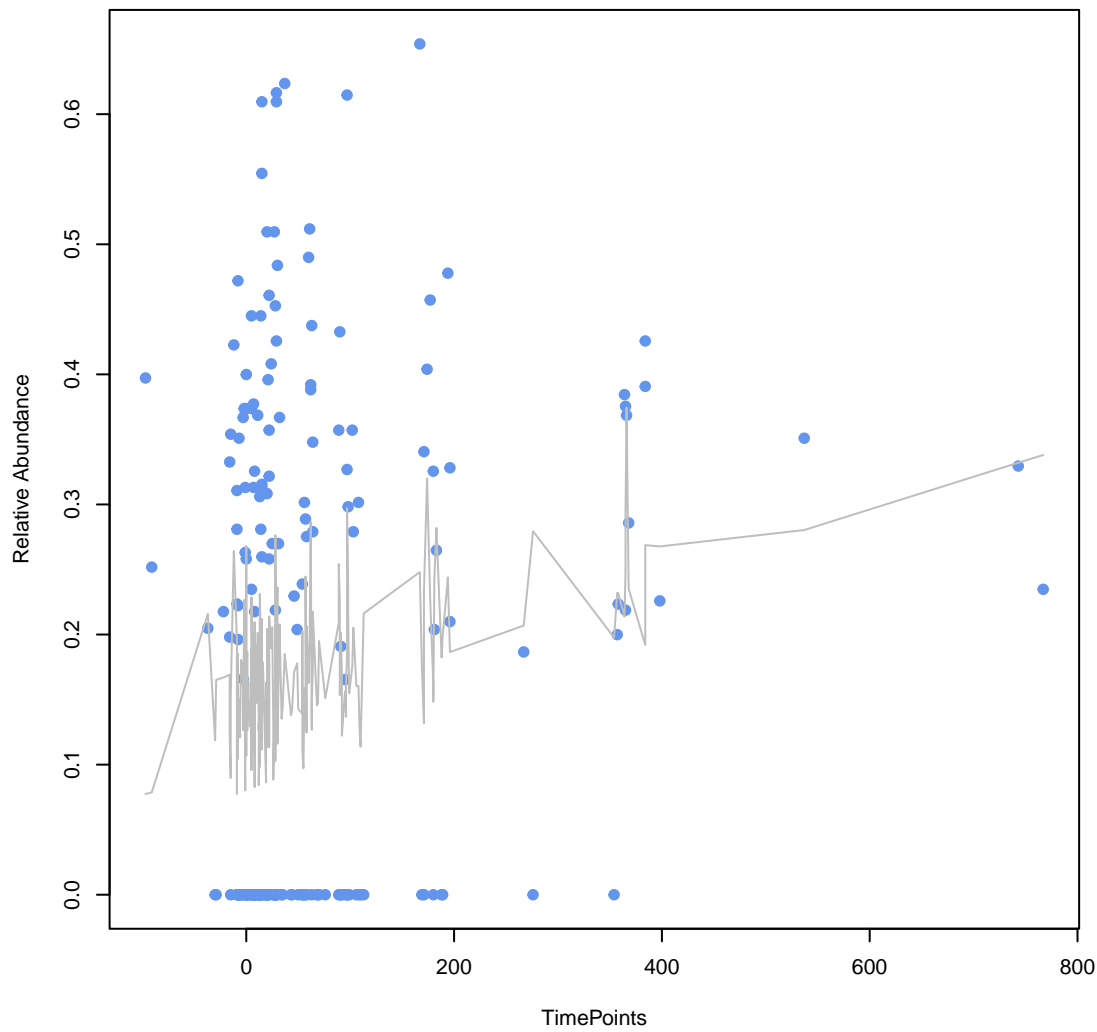
RGI
mdtH
ANOVA Pval: 0.115



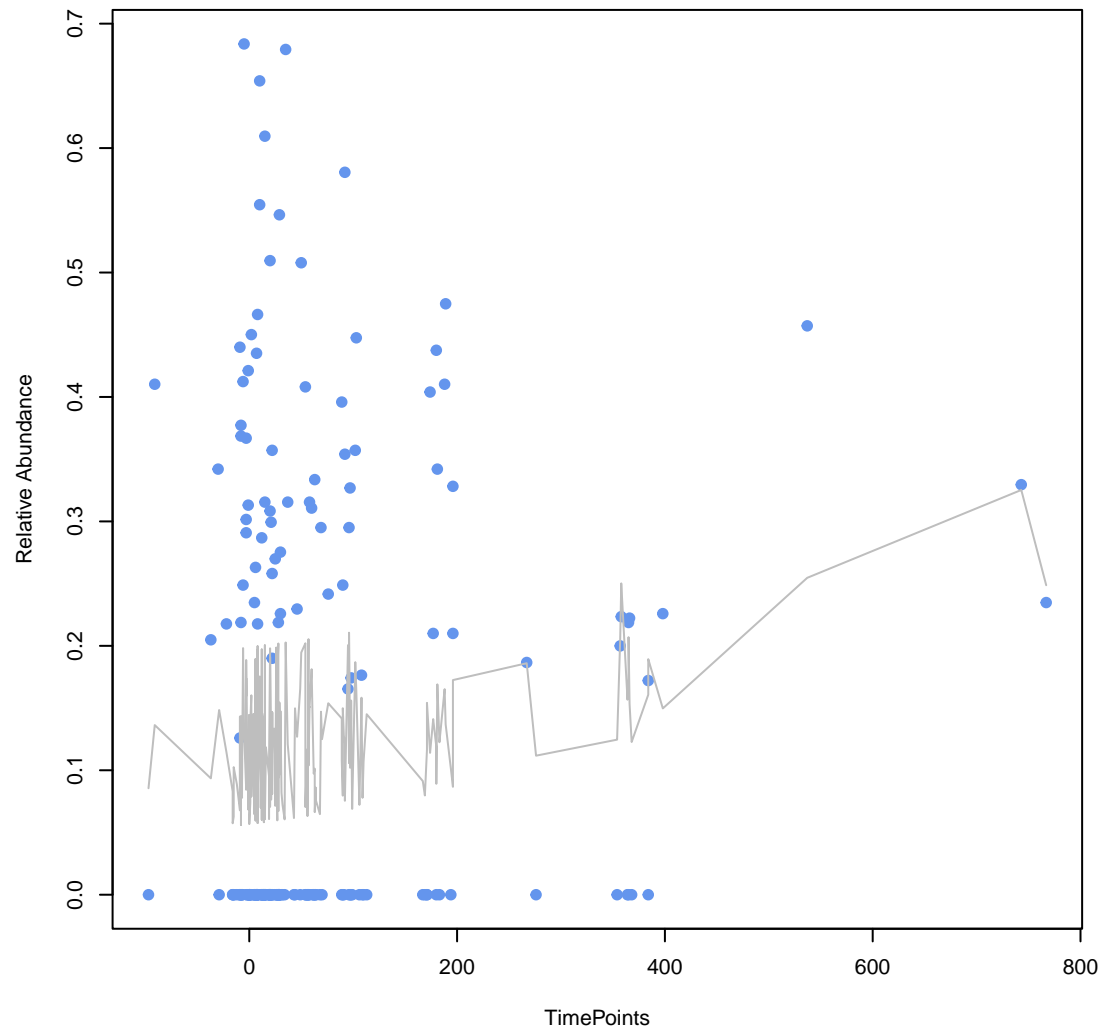
RGI
marA
ANOVA Pval: 0.432



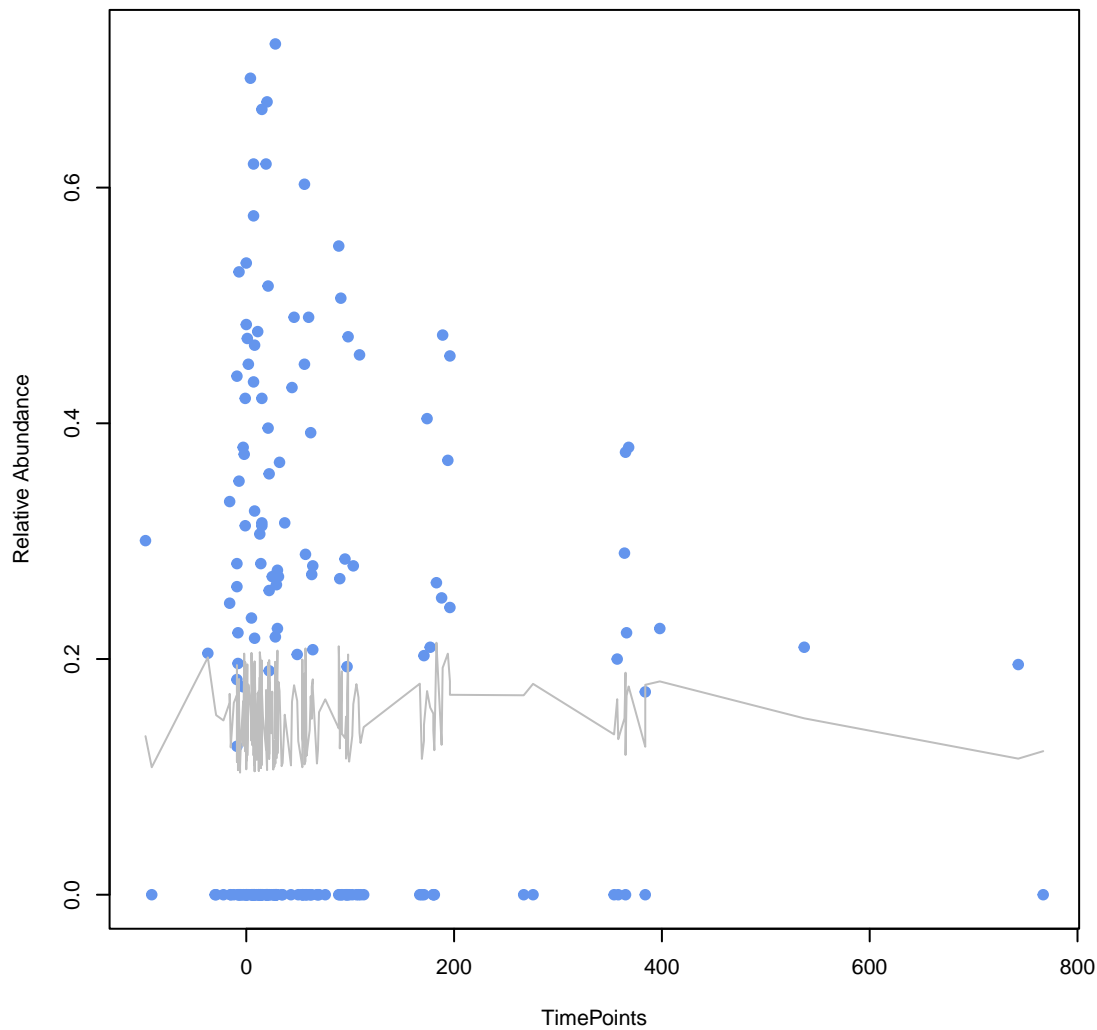
RGI
bacA
ANOVA Pval: 0.0288



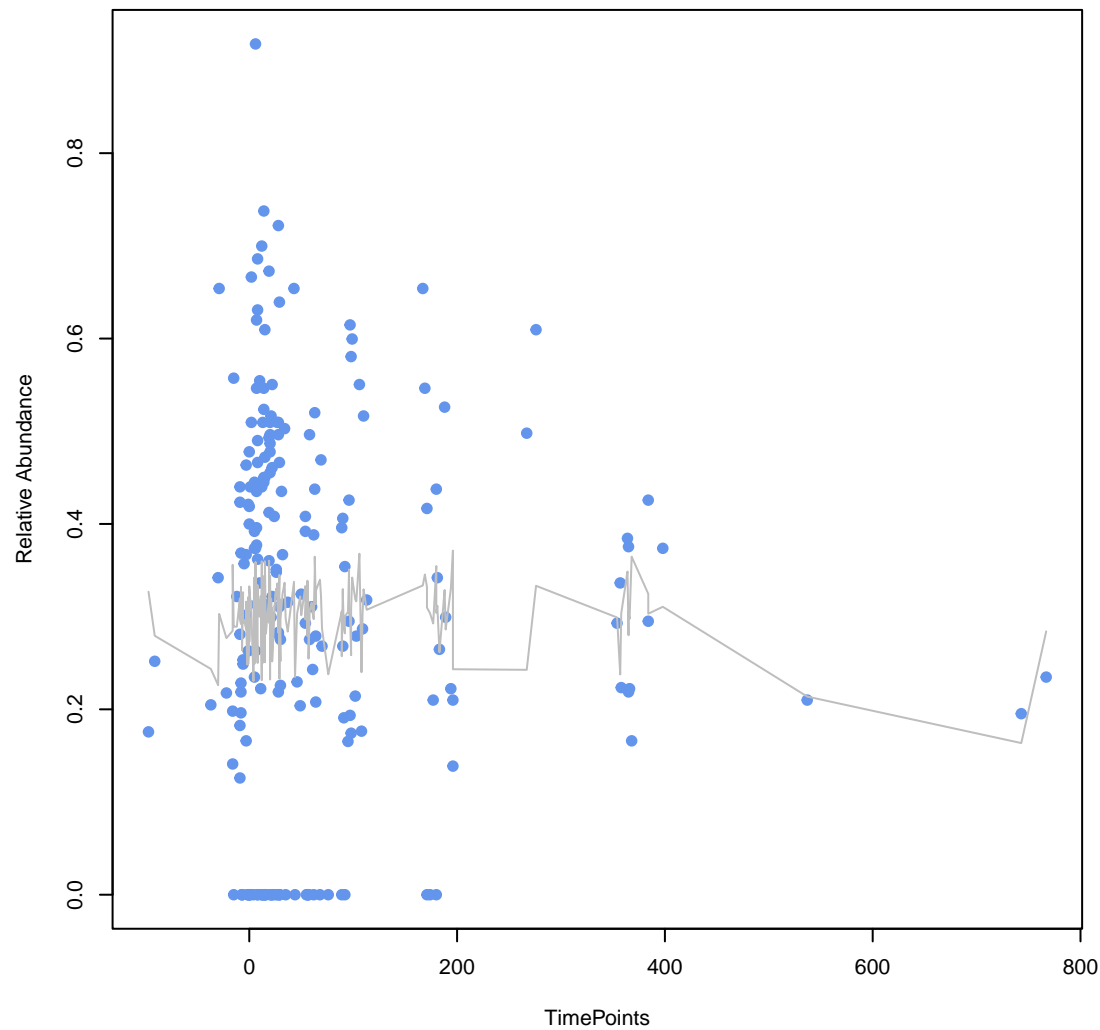
RGI
myrA
ANOVA Pval: 0.144



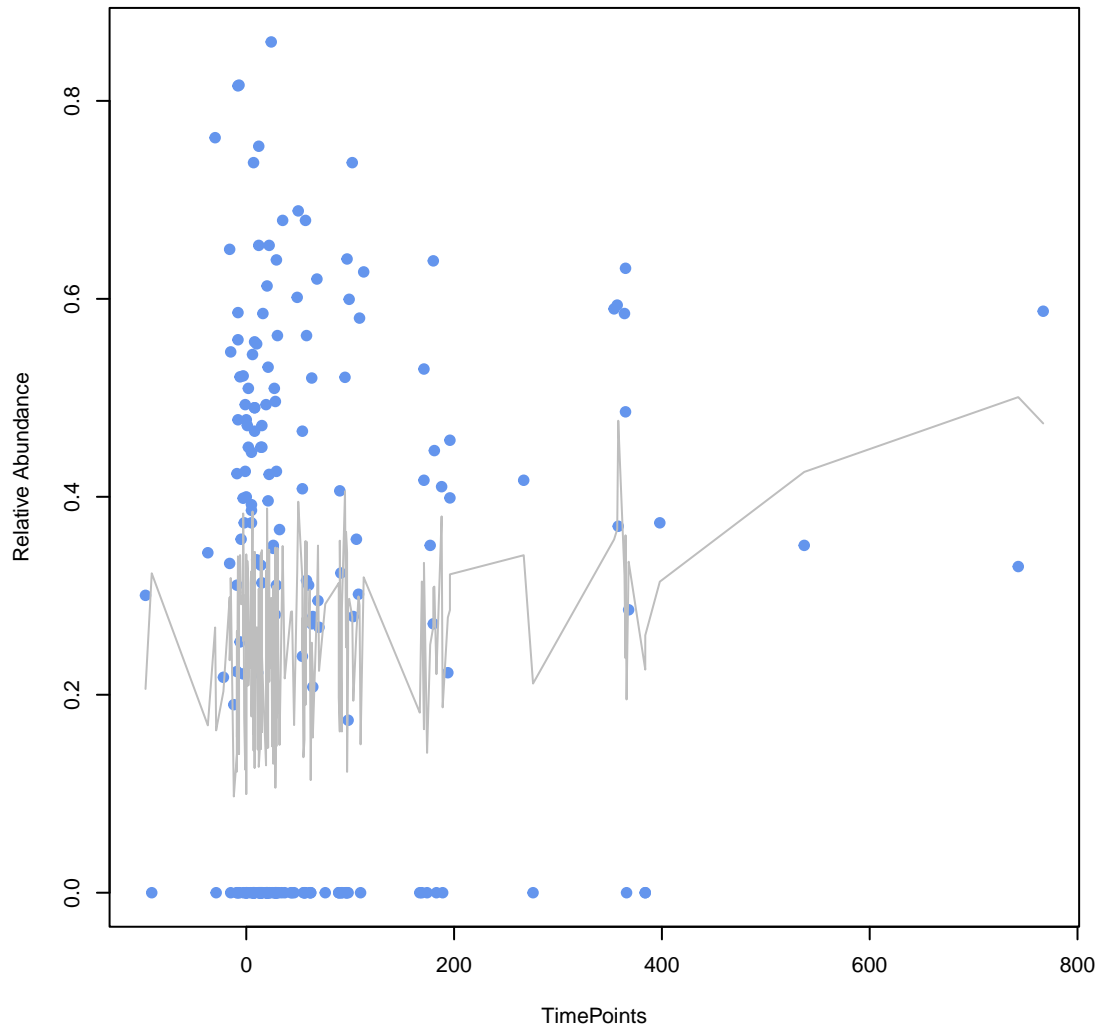
RGI
mdtP
ANOVA Pval: 0.909



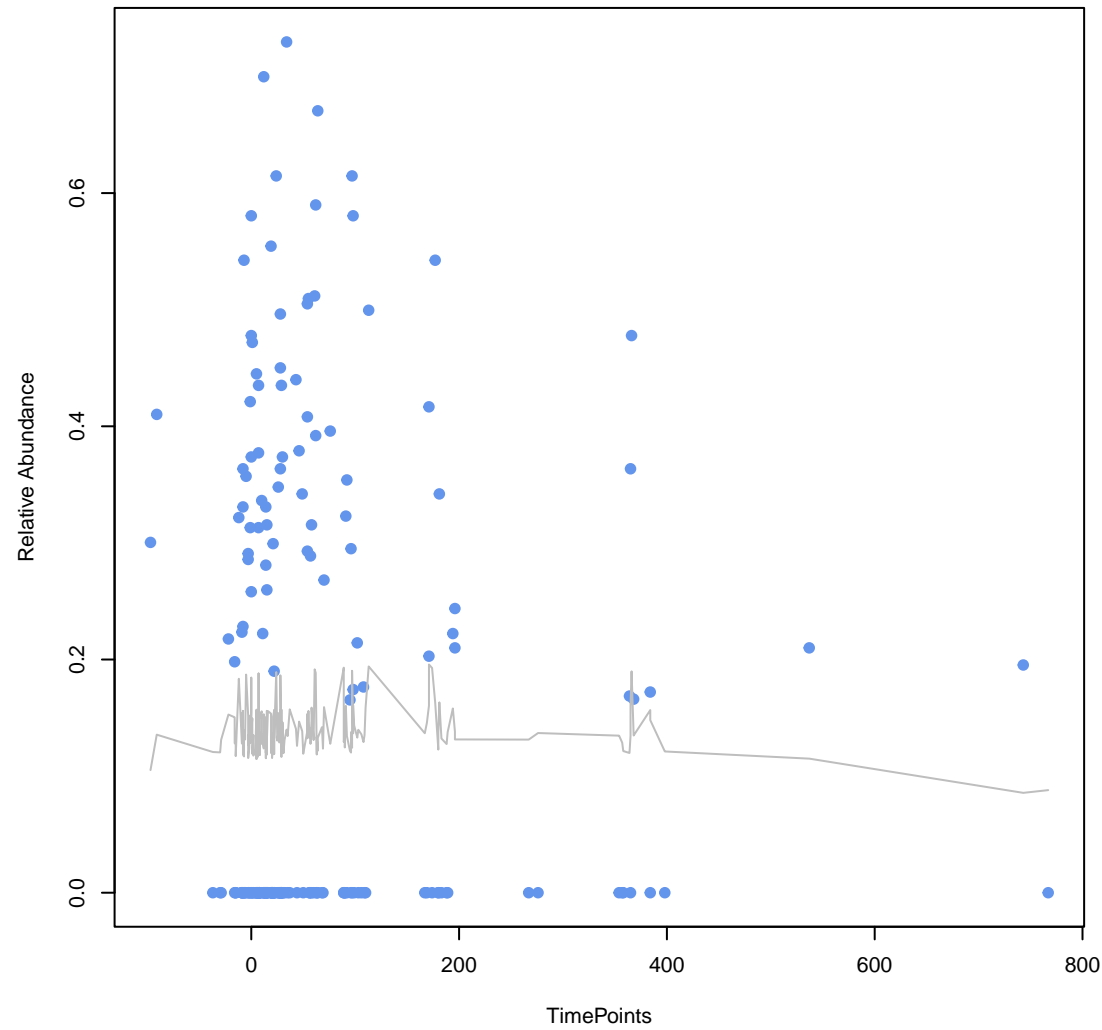
RGI
aad(6)
ANOVA Pval: 0.827



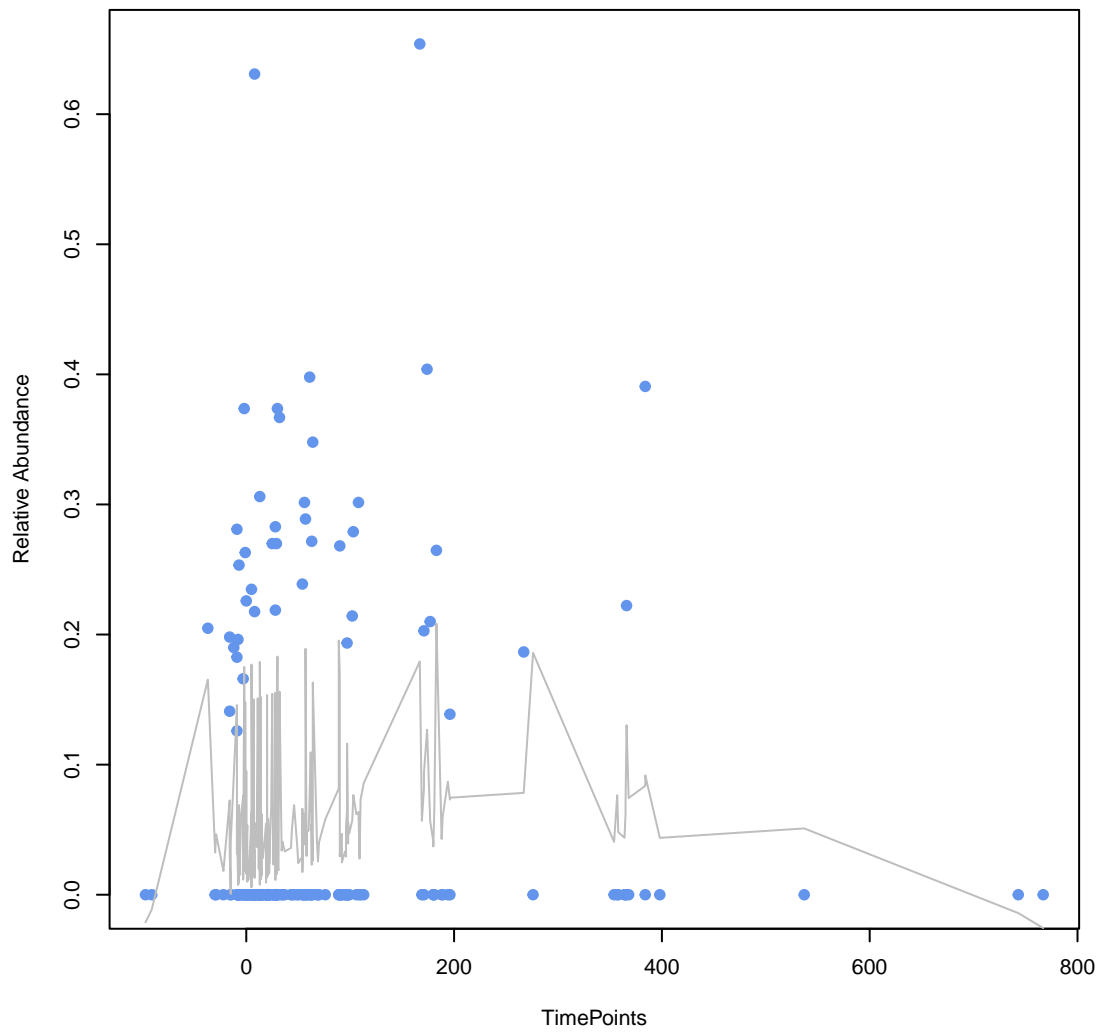
RGI
ANA-1
ANOVA Pval: 0.153



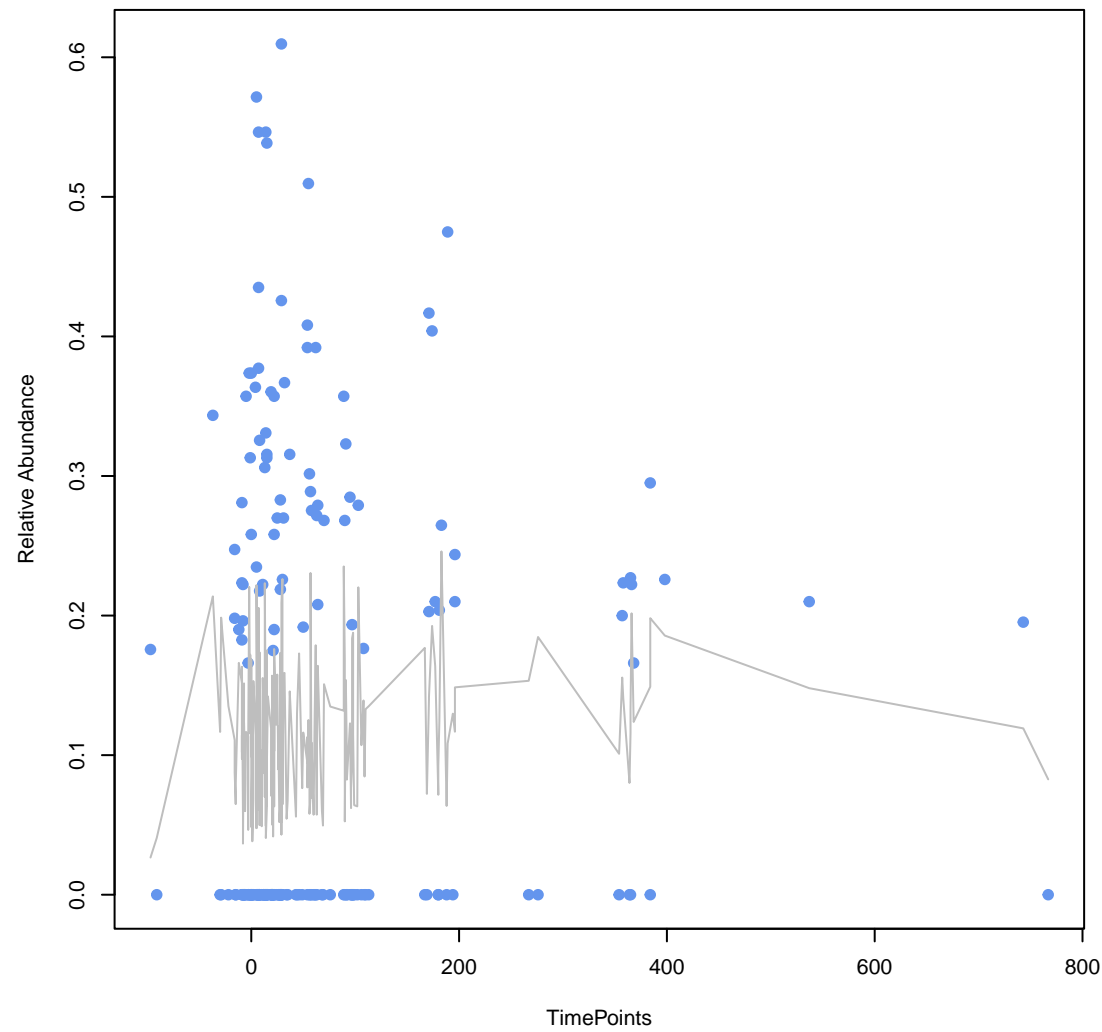
RGI
Klebsiella pneumoniae KpnH
ANOVA Pval: 0.931



RGI
Escherichia coli GlpT with mutation conferring resistance to fosfomycin
ANOVA Pval: 0.185



RGI
Escherichia coli soxR with mutation conferring antibiotic resistance
ANOVA Pval: 0.614



RGI
Escherichia coli soxS with mutation conferring antibiotic resistance
ANOVA Pval: 0.226

