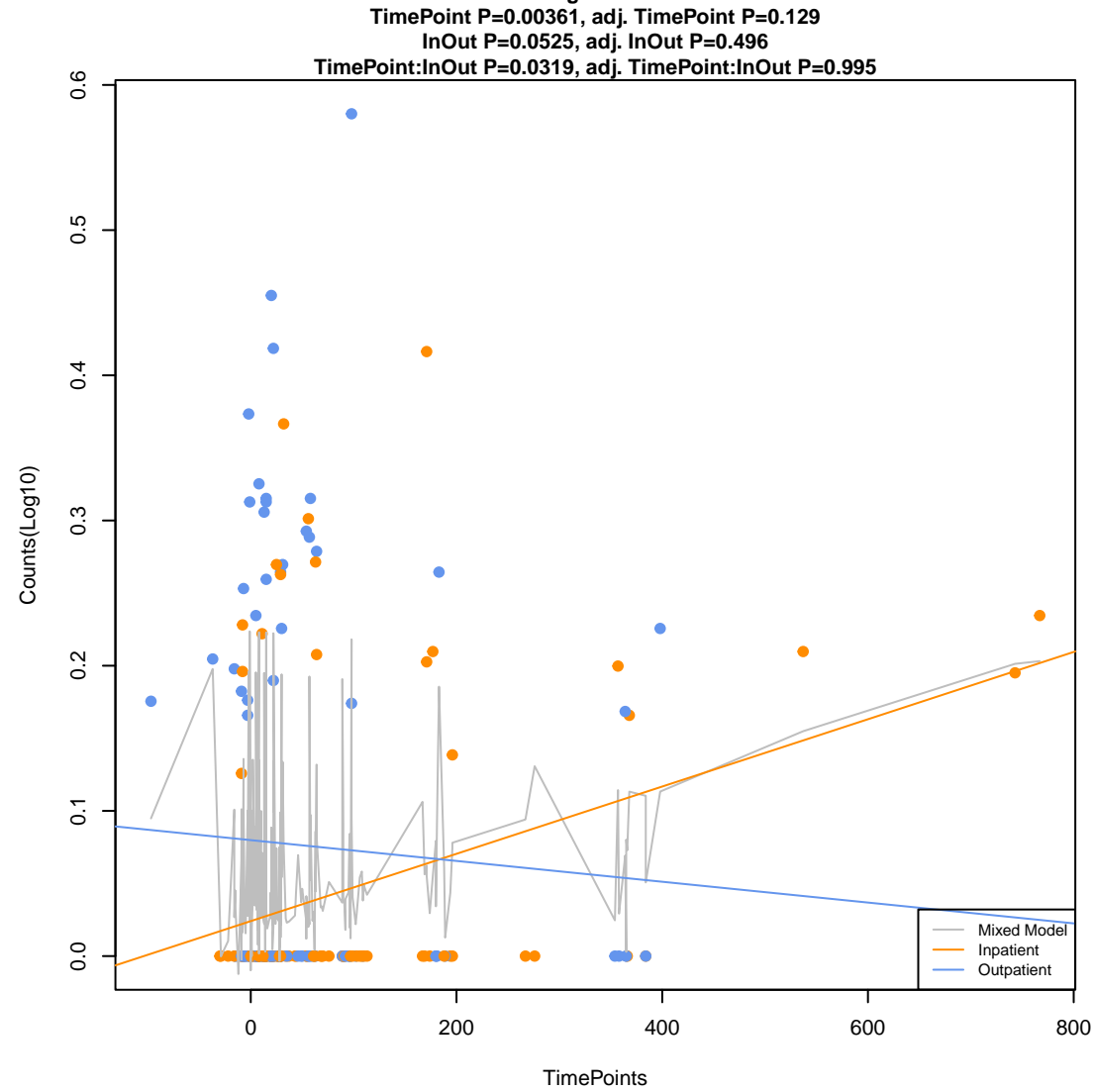
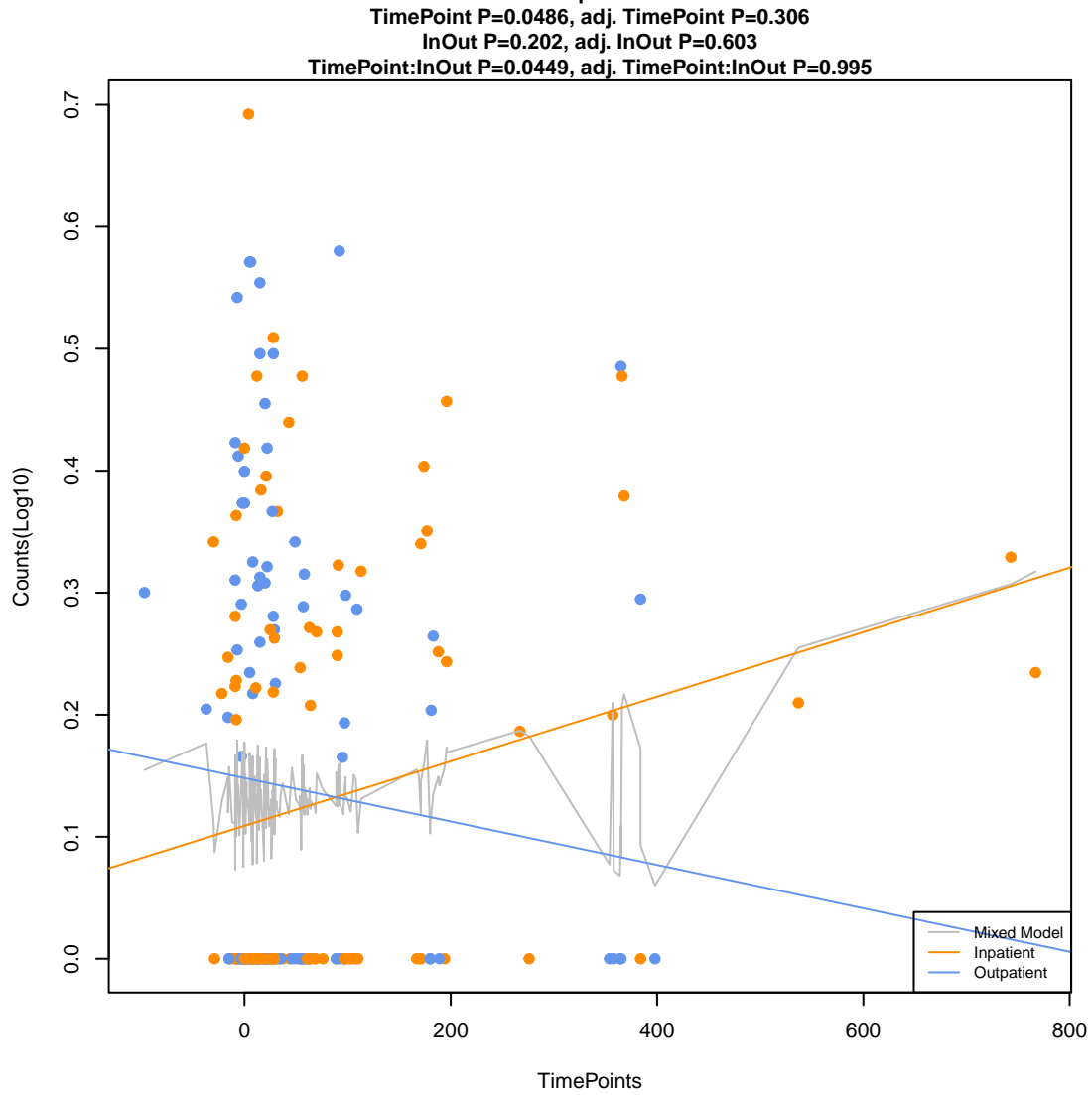


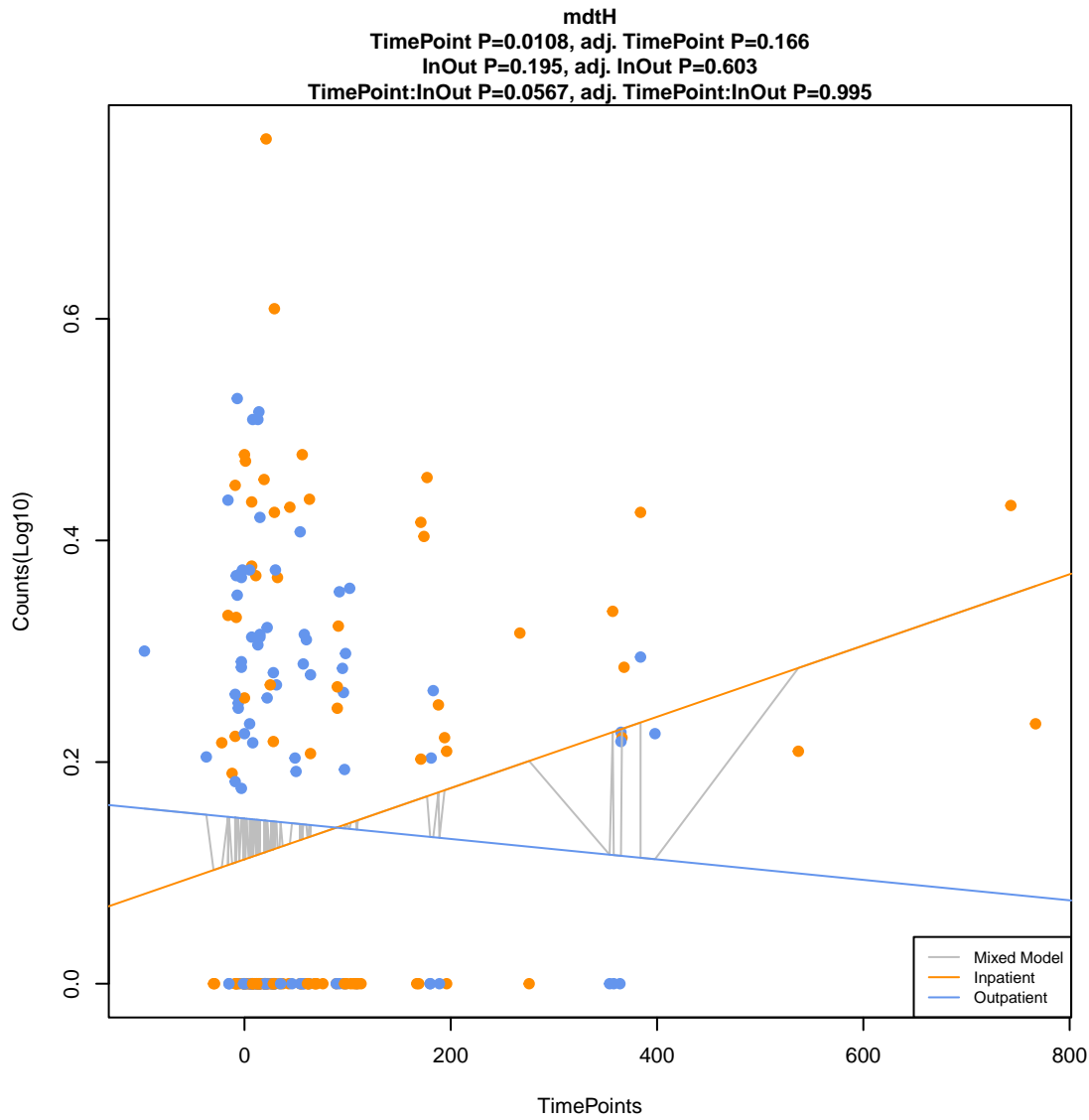
gadW



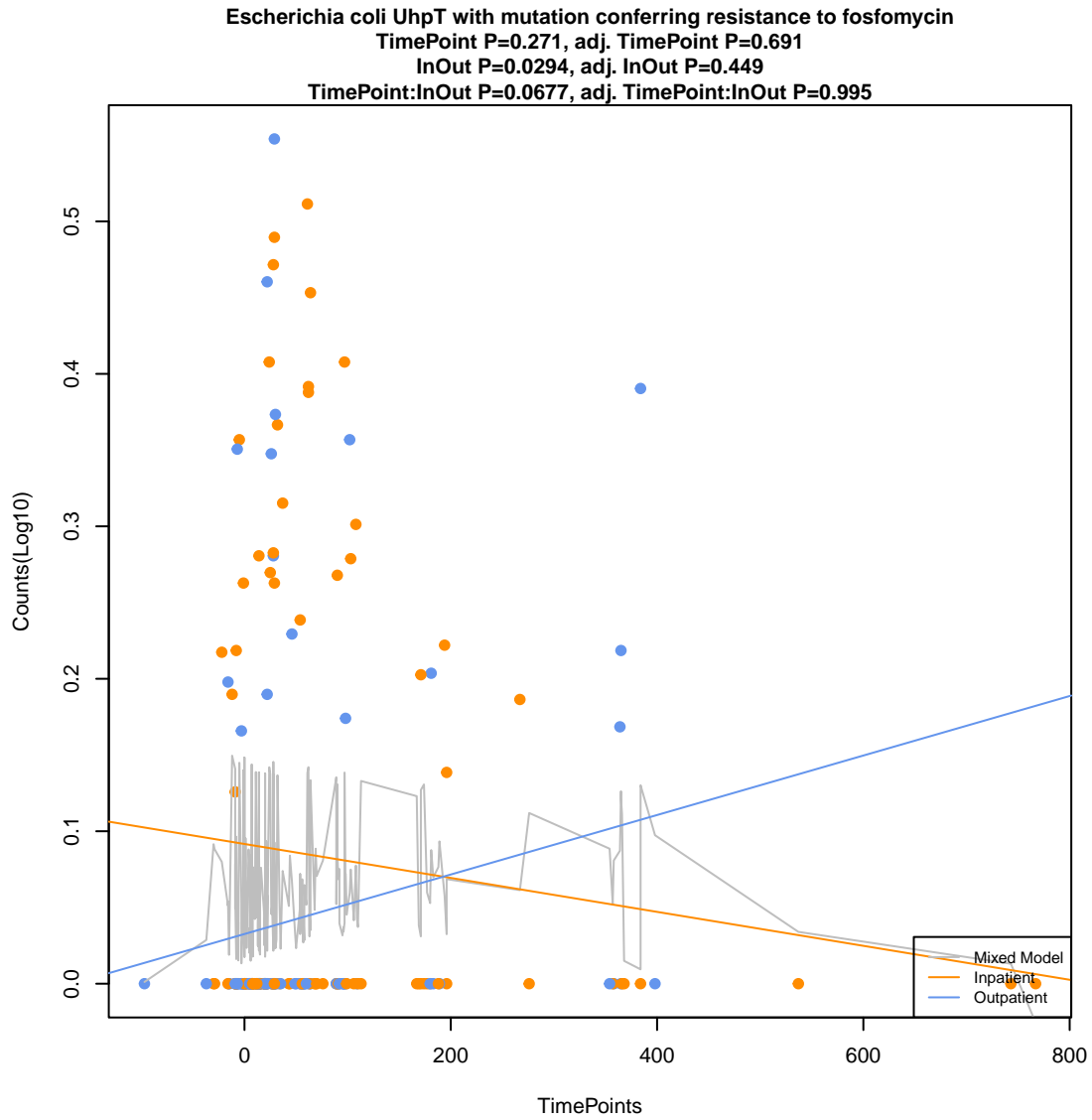
eptA



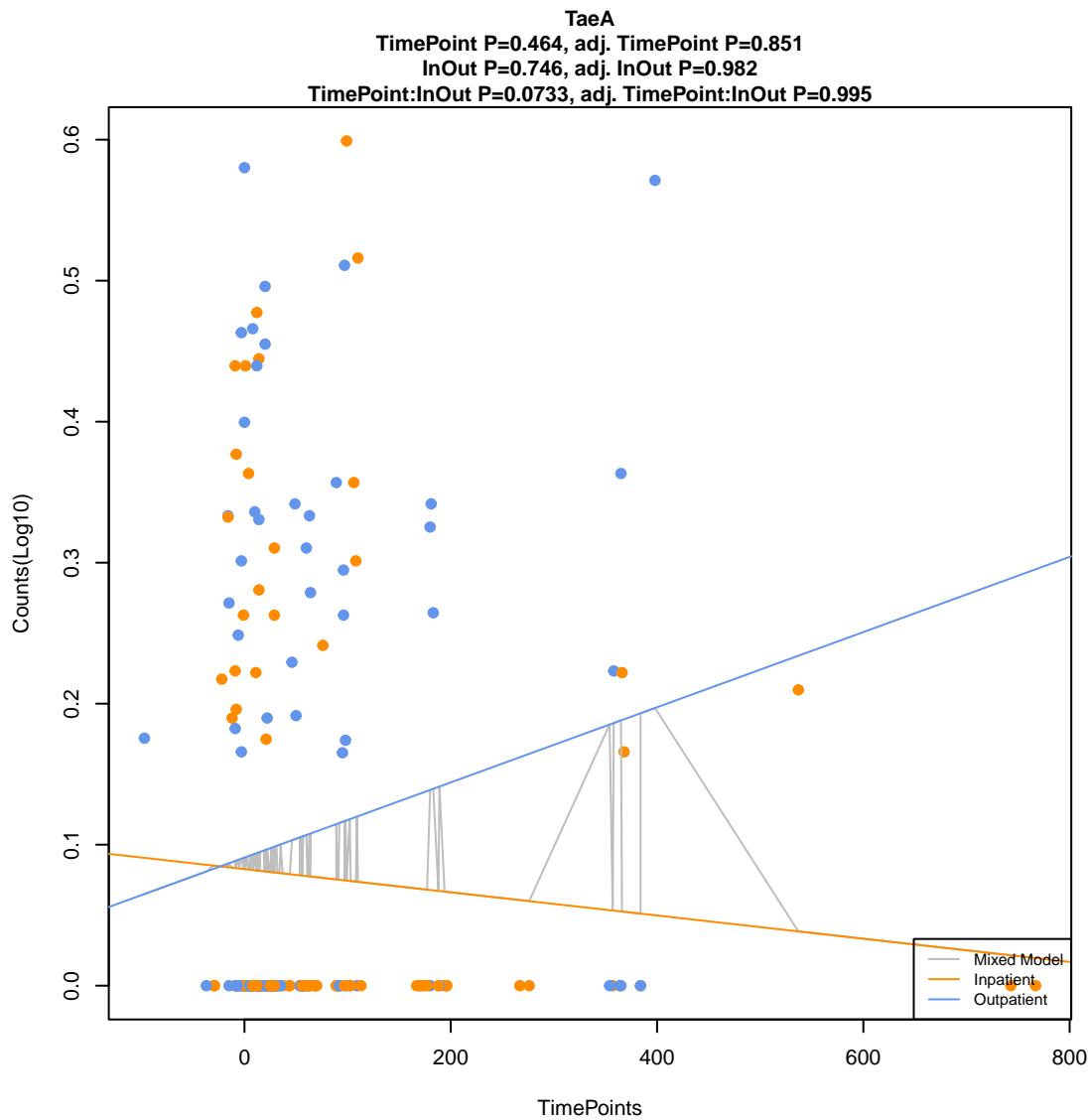
mdtH



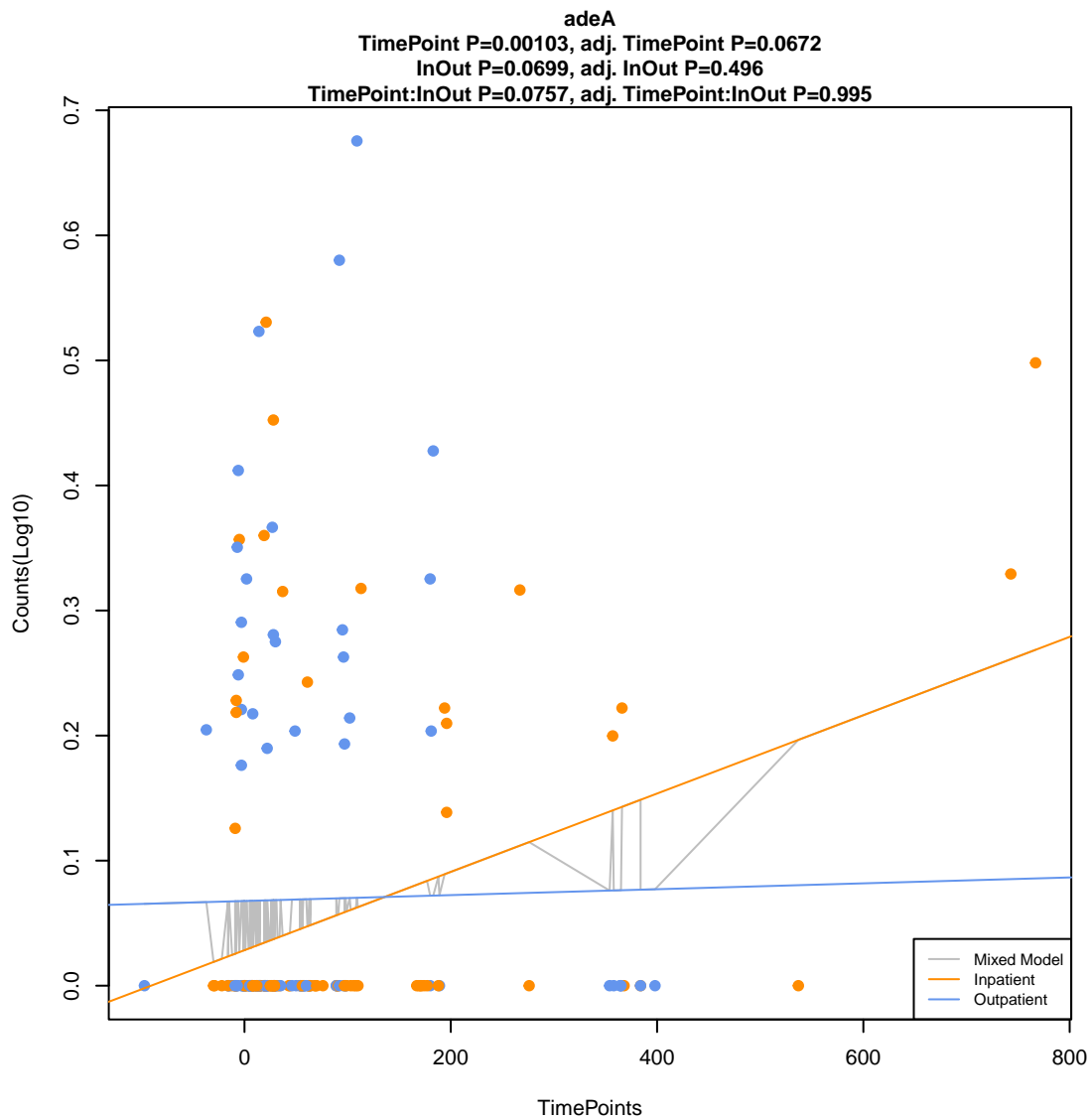
Escherichia coli UhpT with mutation conferring resistance to fosfomycin

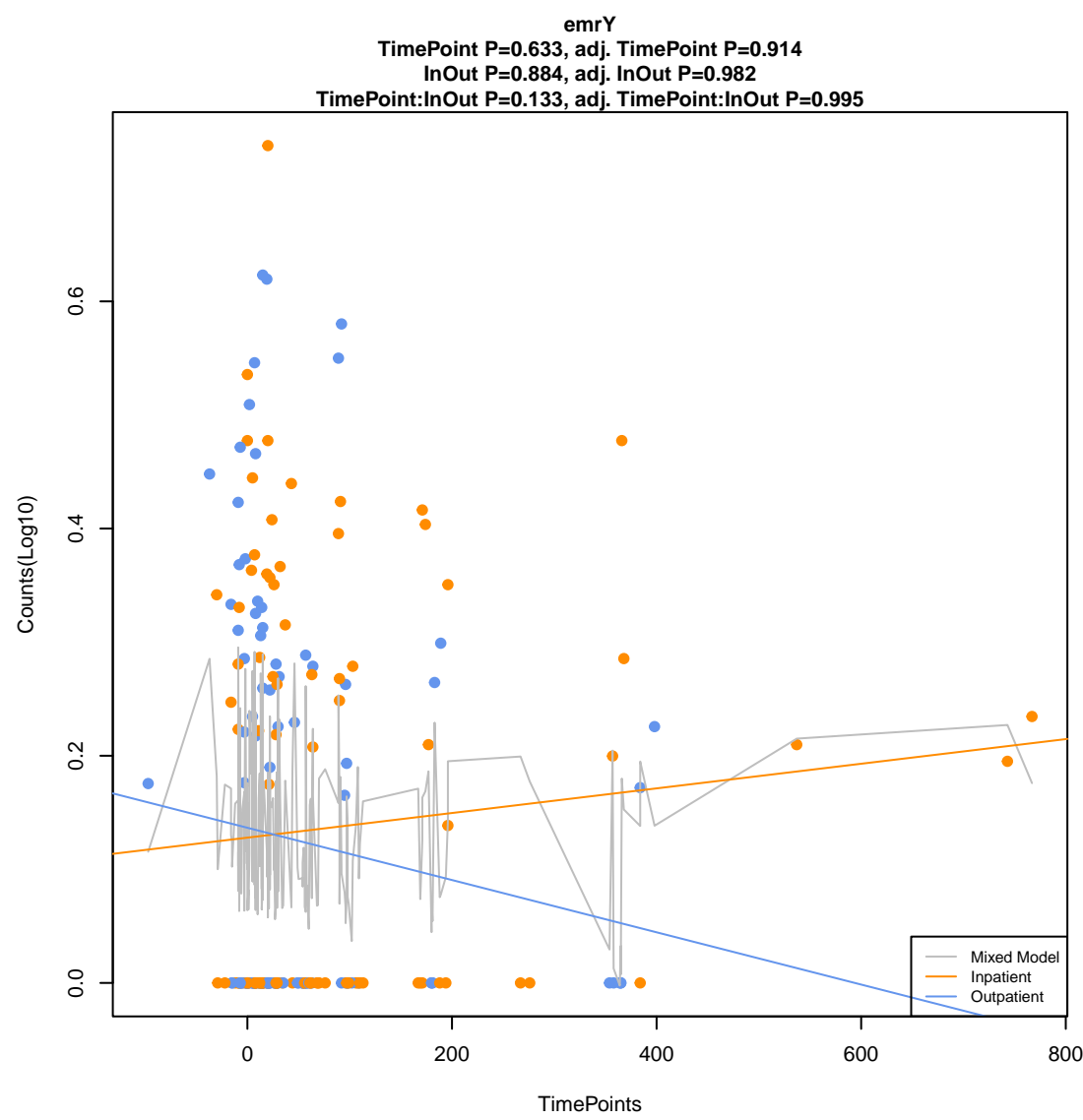
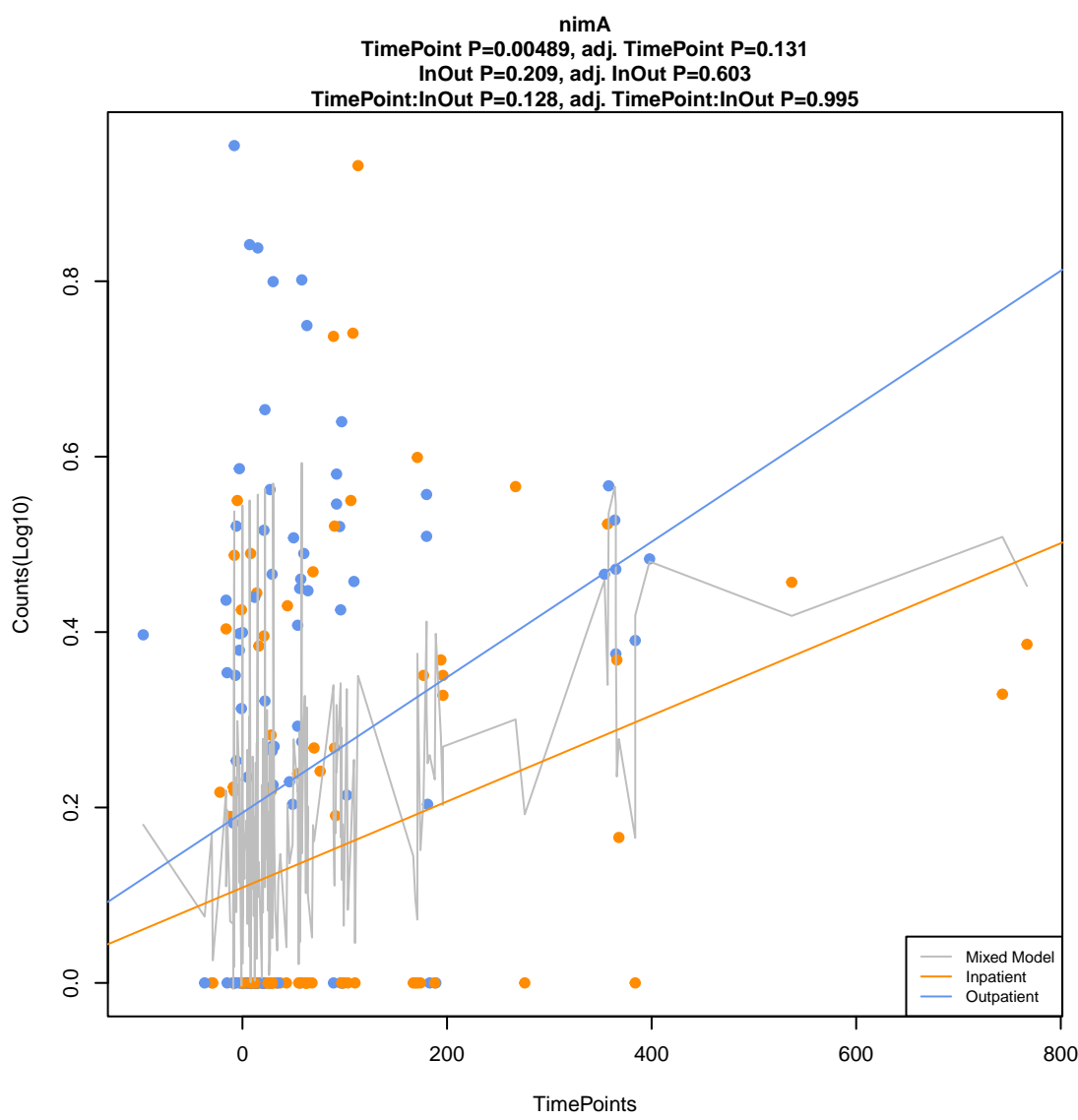
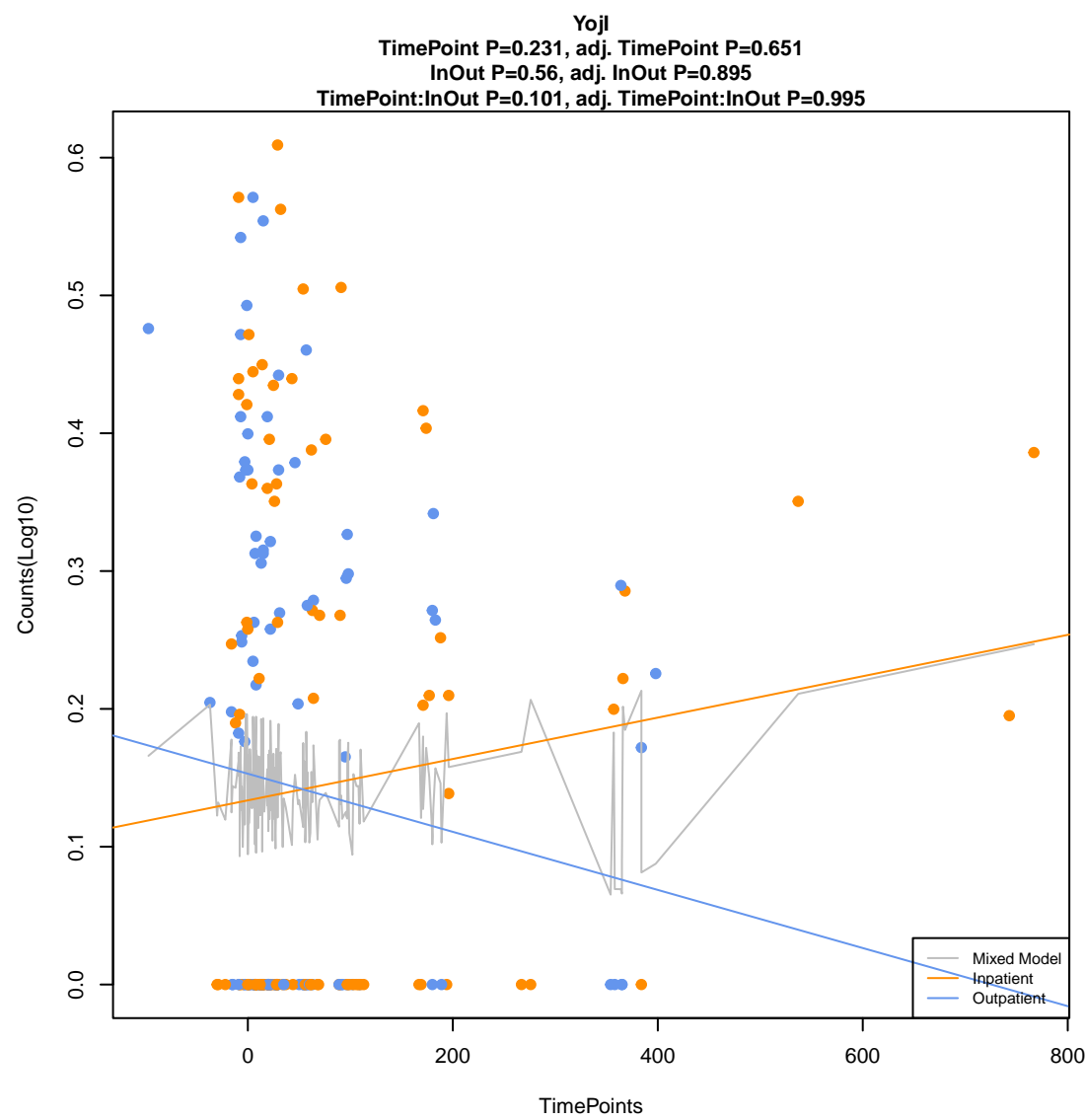
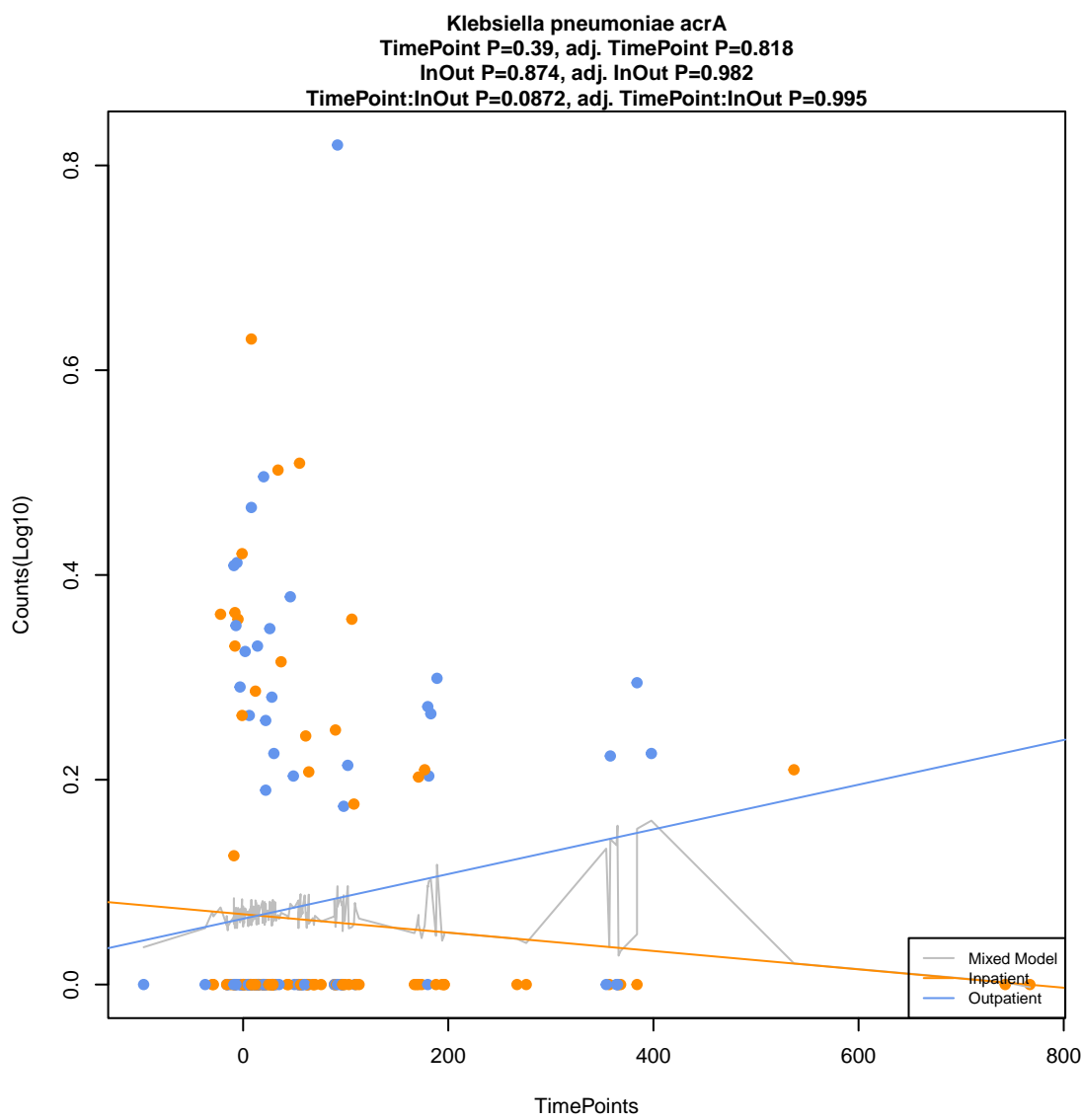
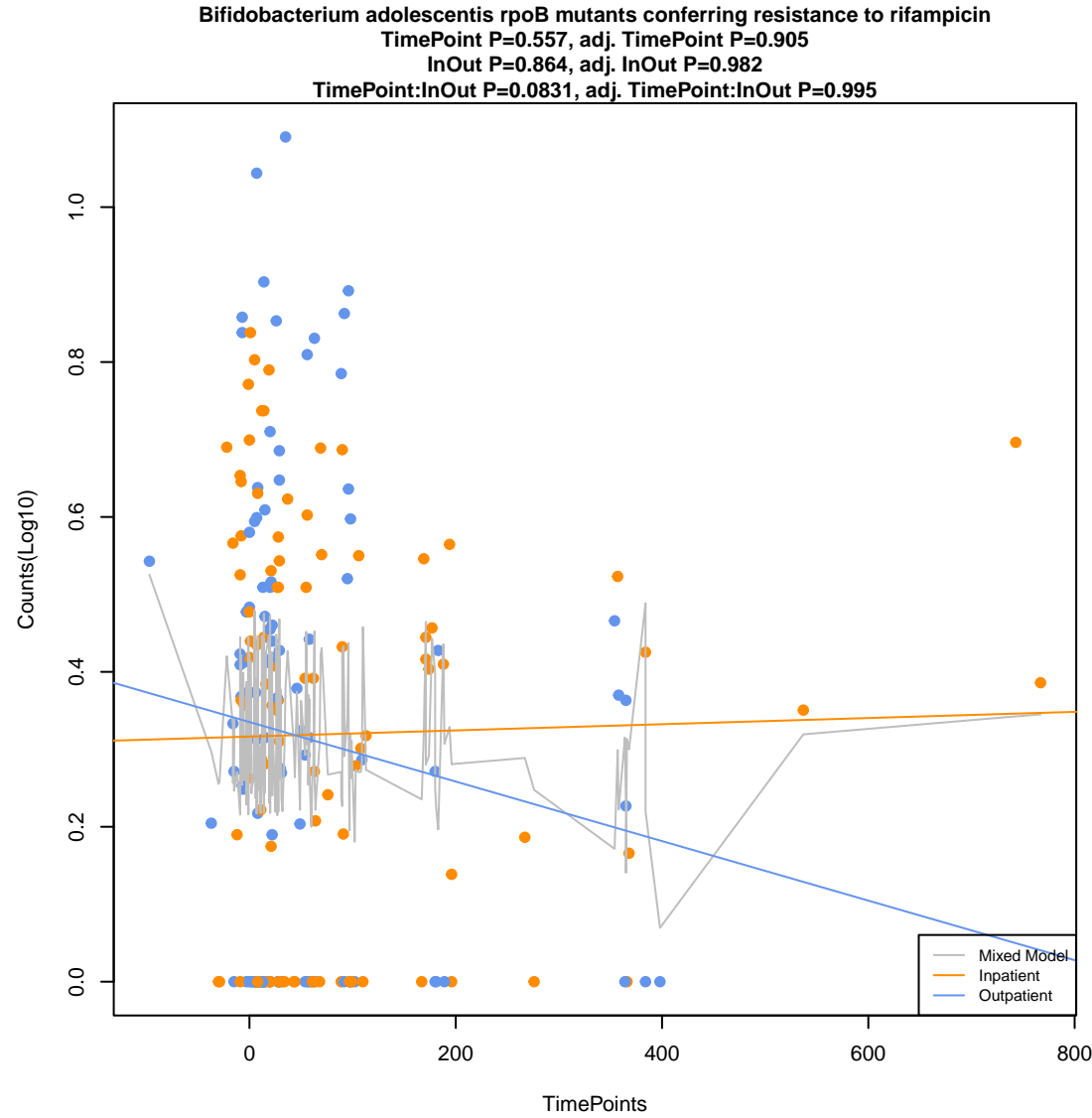
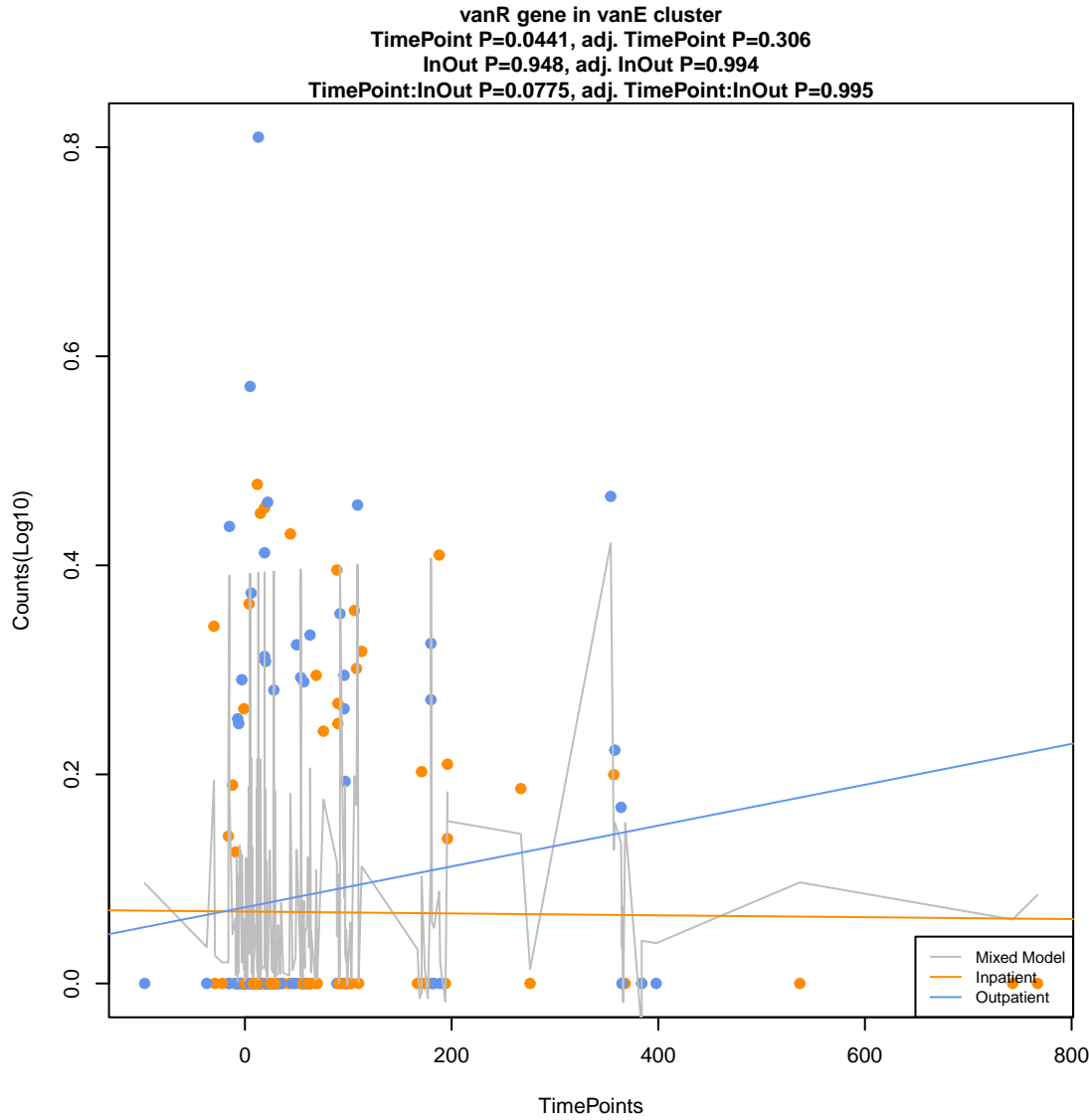


TaeA



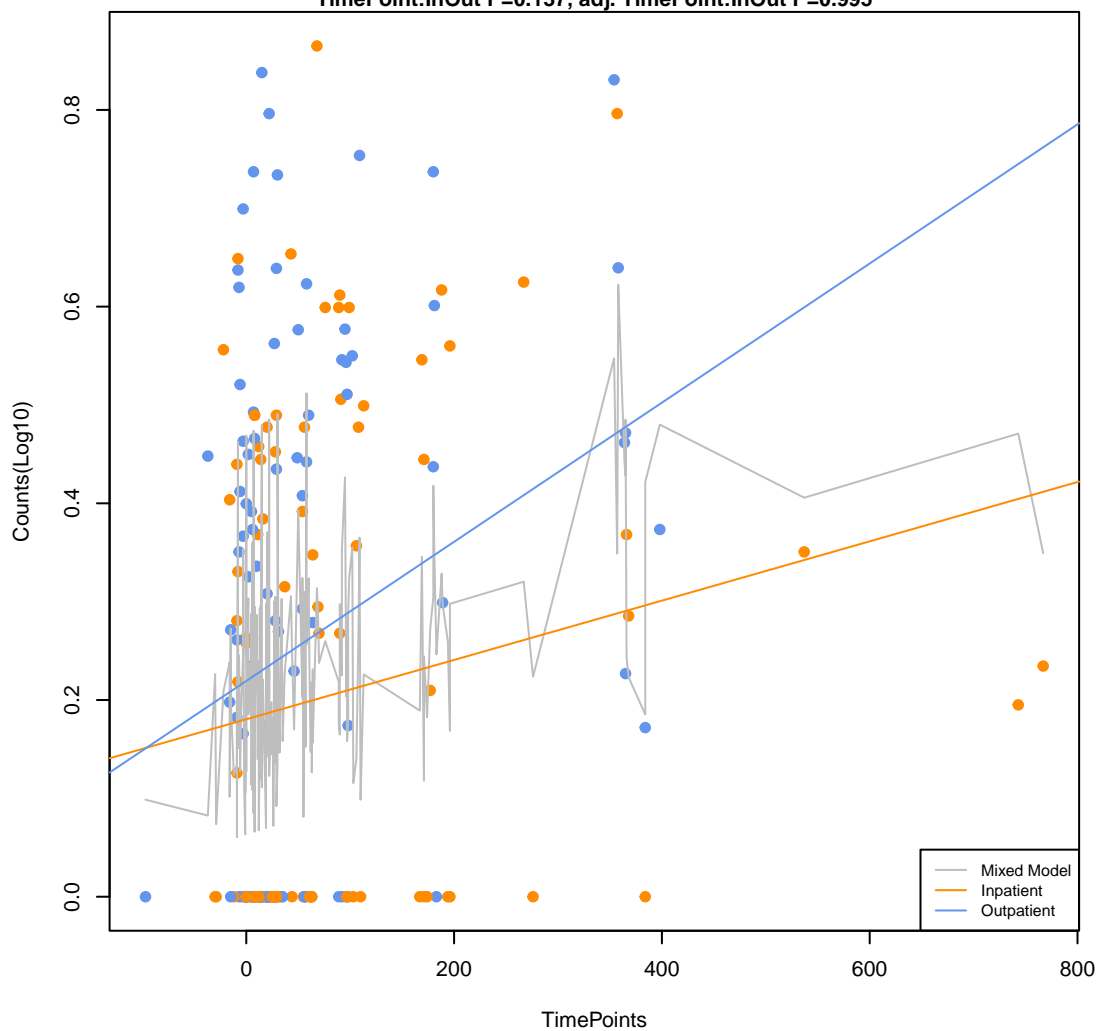
adeA





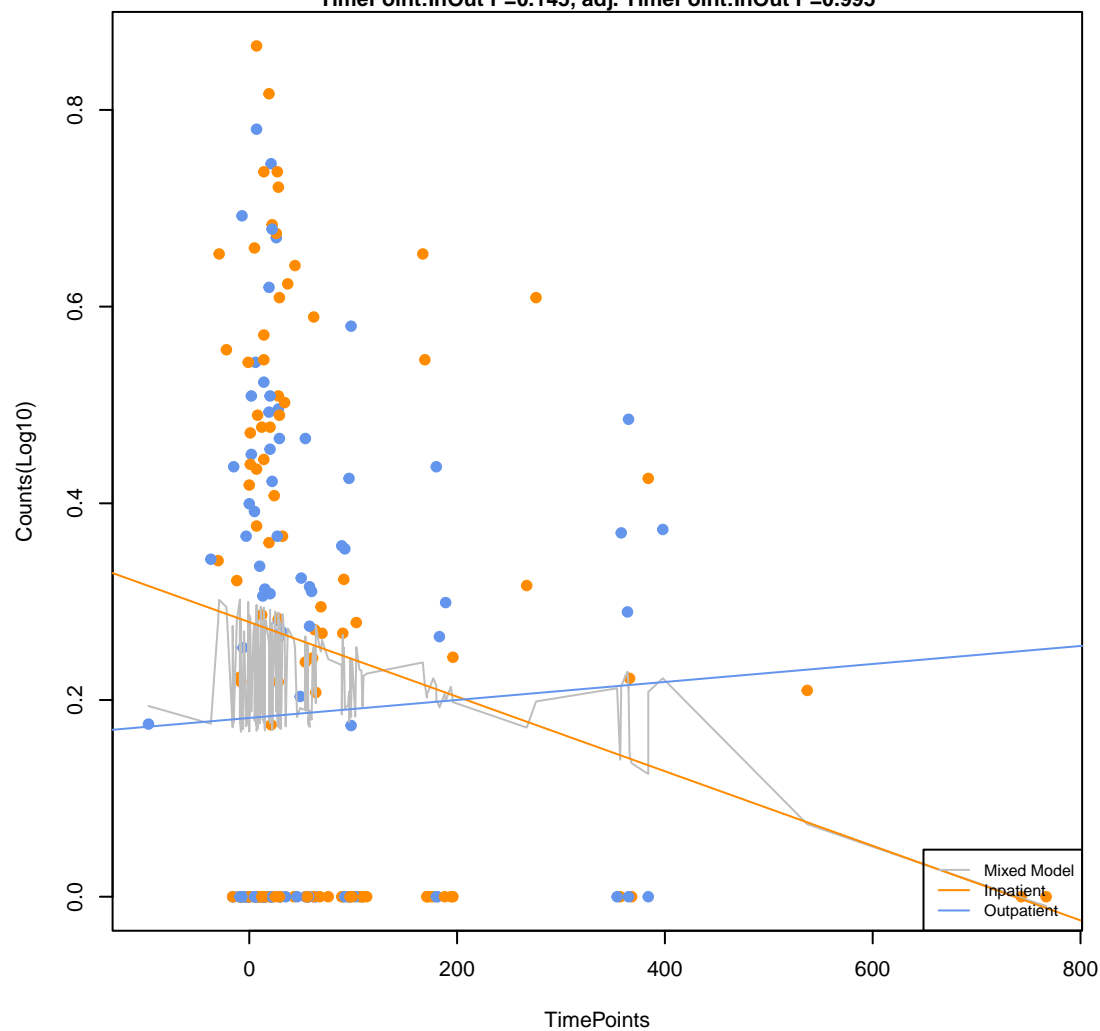
nimJ

TimePoint P=0.0623, adj. TimePoint P=0.366  
InOut P=0.4, adj. InOut P=0.839  
TimePoint:InOut P=0.137, adj. TimePoint:InOut P=0.995



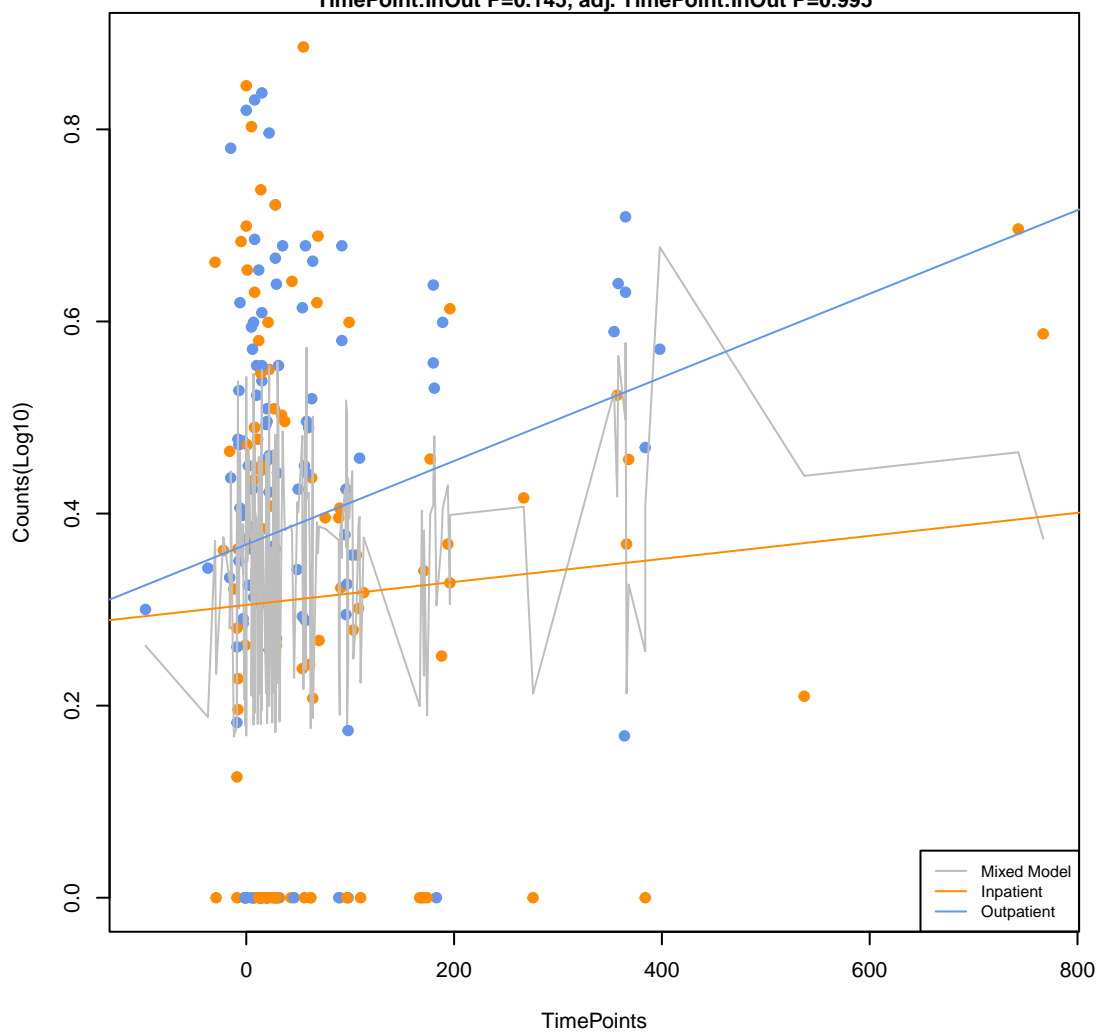
vanS gene in vanA cluster

TimePoint P=0.0383, adj. TimePoint P=0.306  
InOut P=0.0229, adj. InOut P=0.416  
TimePoint:InOut P=0.145, adj. TimePoint:InOut P=0.995



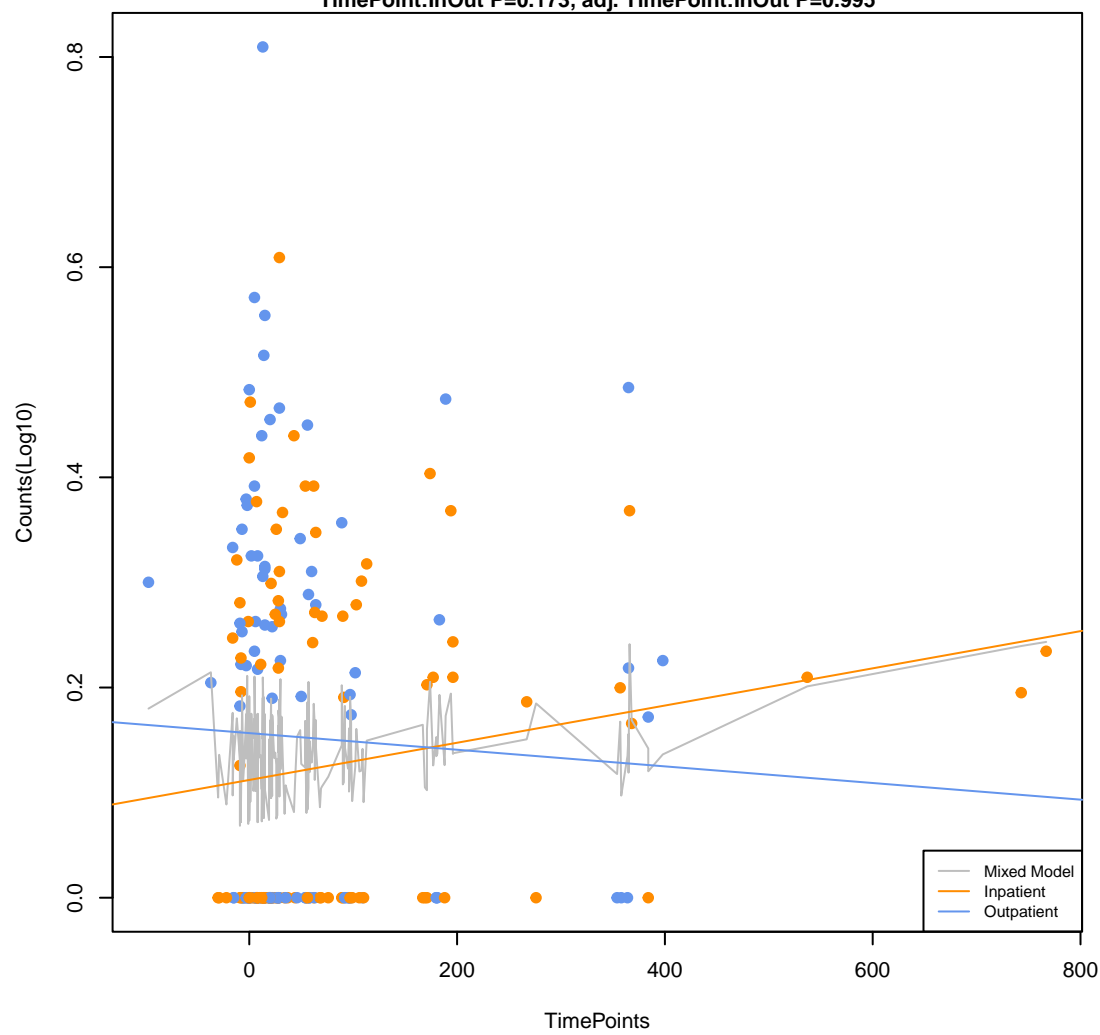
tet(32)

TimePoint P=0.468, adj. TimePoint P=0.851  
InOut P=0.375, adj. InOut P=0.824  
TimePoint:InOut P=0.145, adj. TimePoint:InOut P=0.995



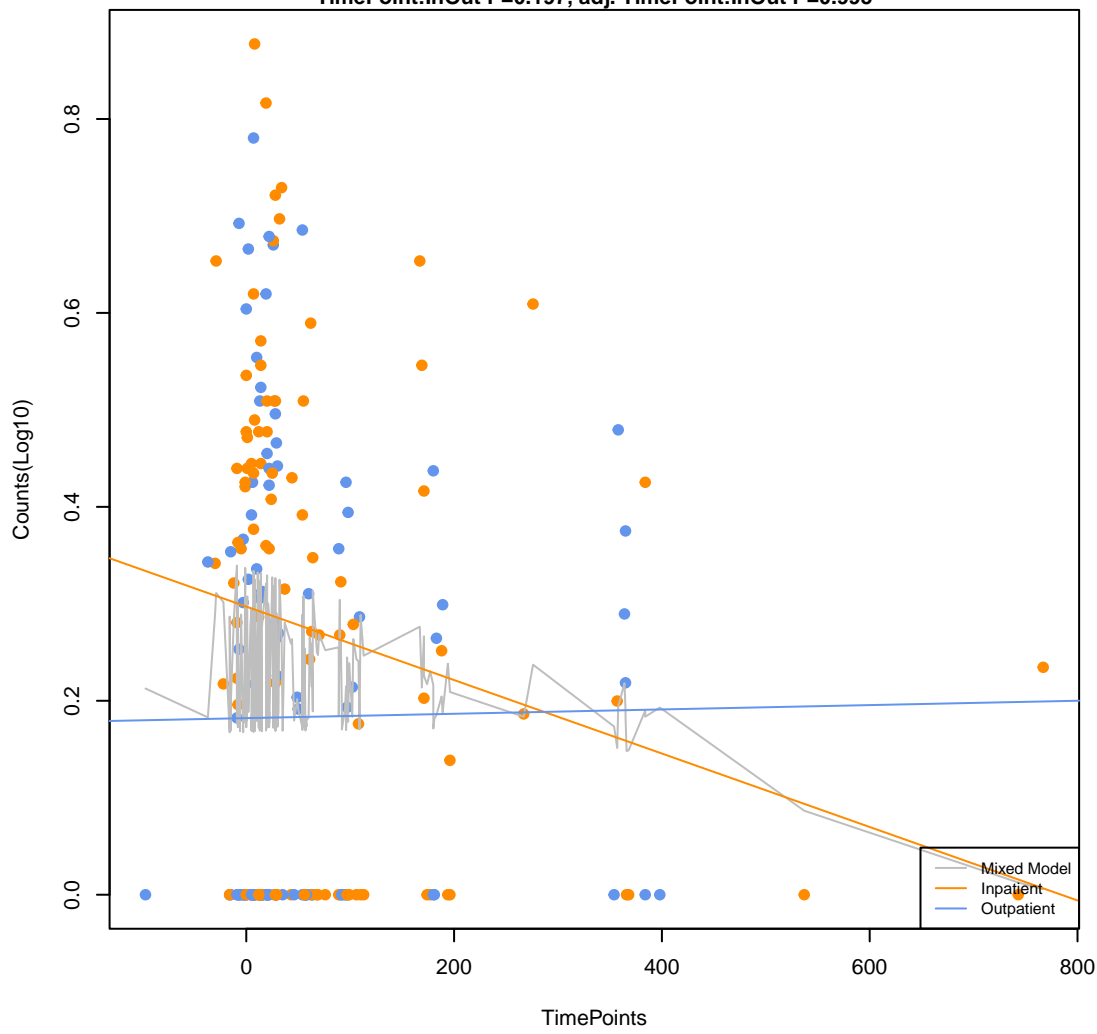
Escherichia coli acrA

TimePoint P=0.127, adj. TimePoint P=0.496  
InOut P=0.195, adj. InOut P=0.603  
TimePoint:InOut P=0.173, adj. TimePoint:InOut P=0.995



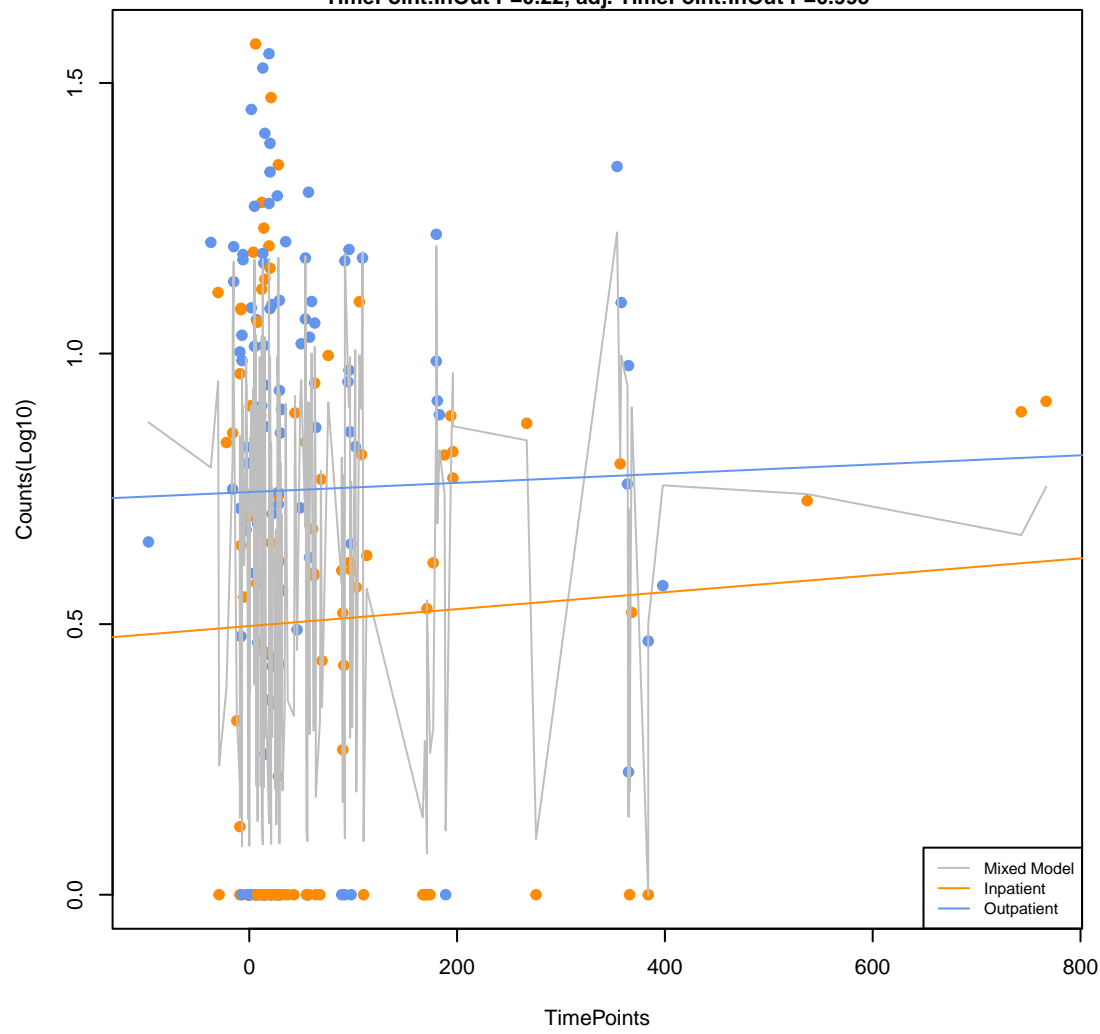
vanA

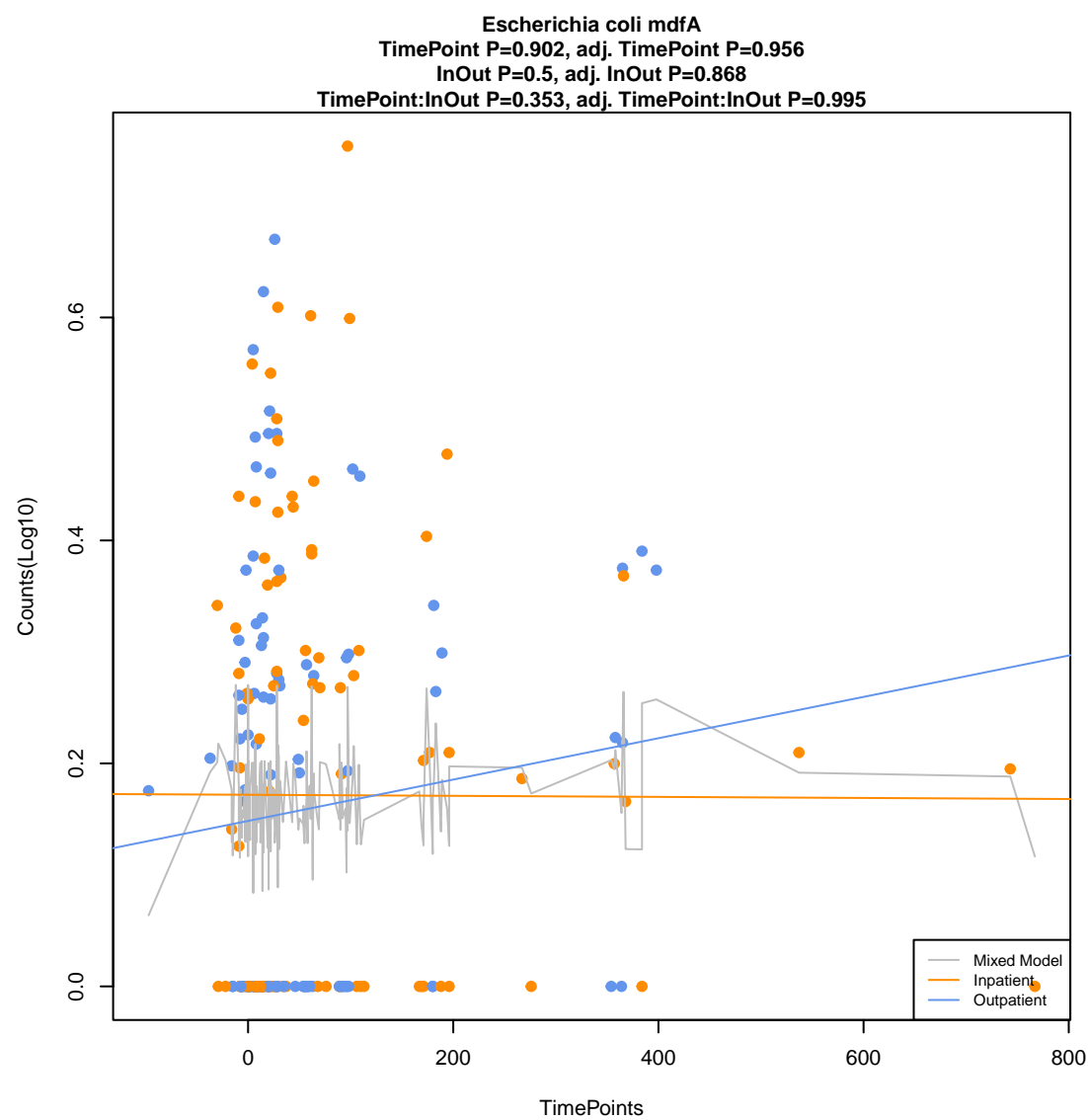
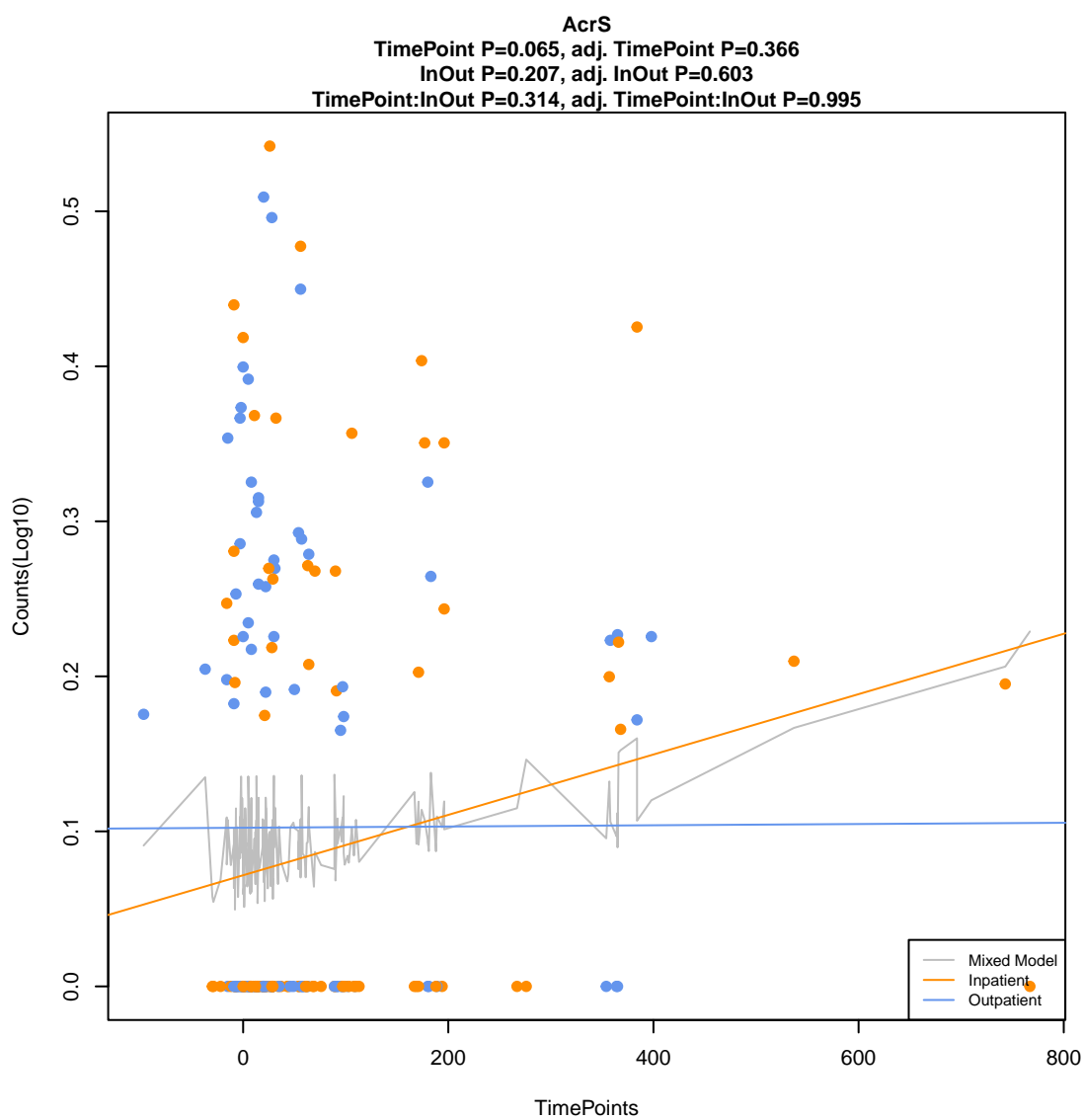
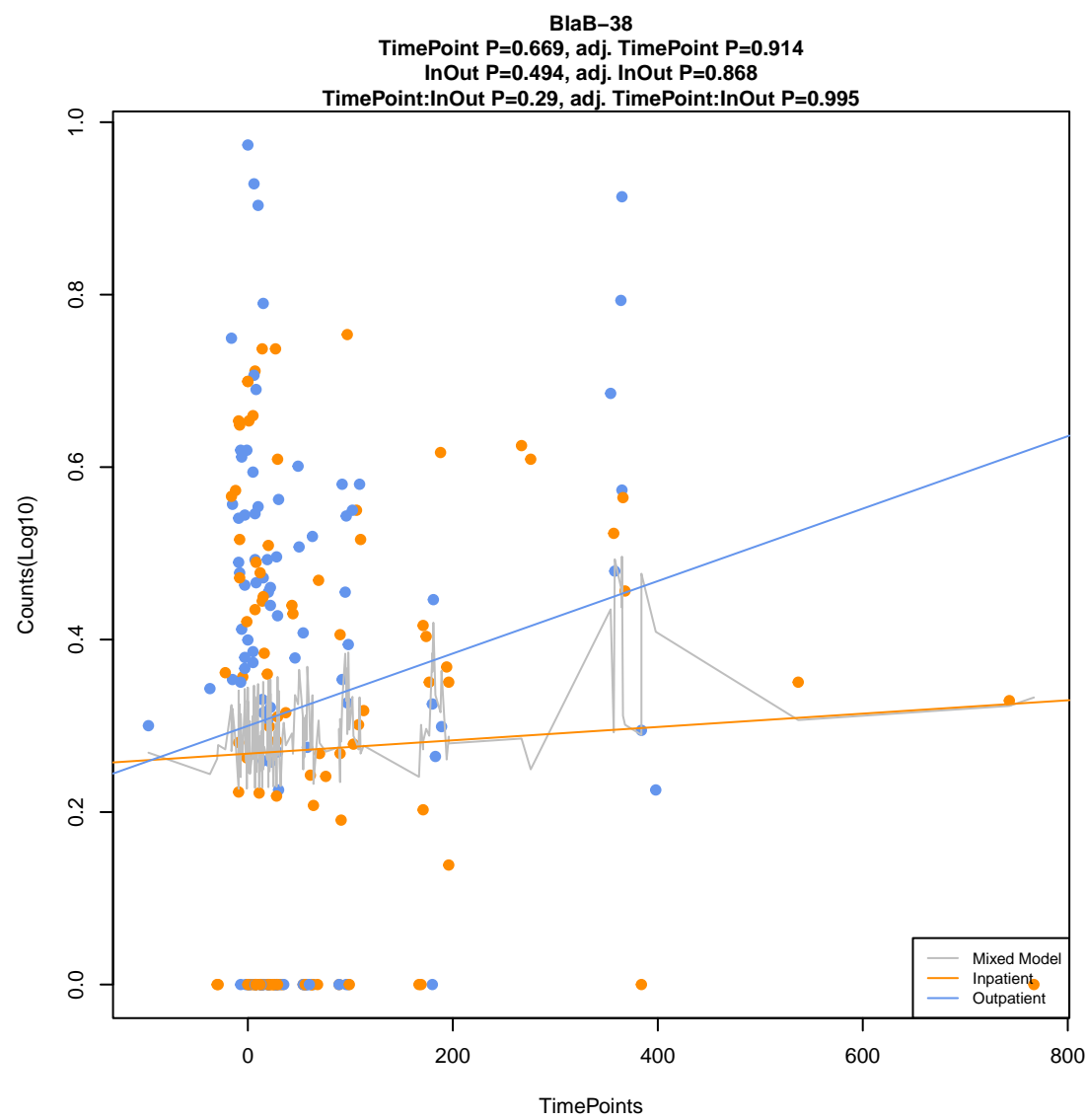
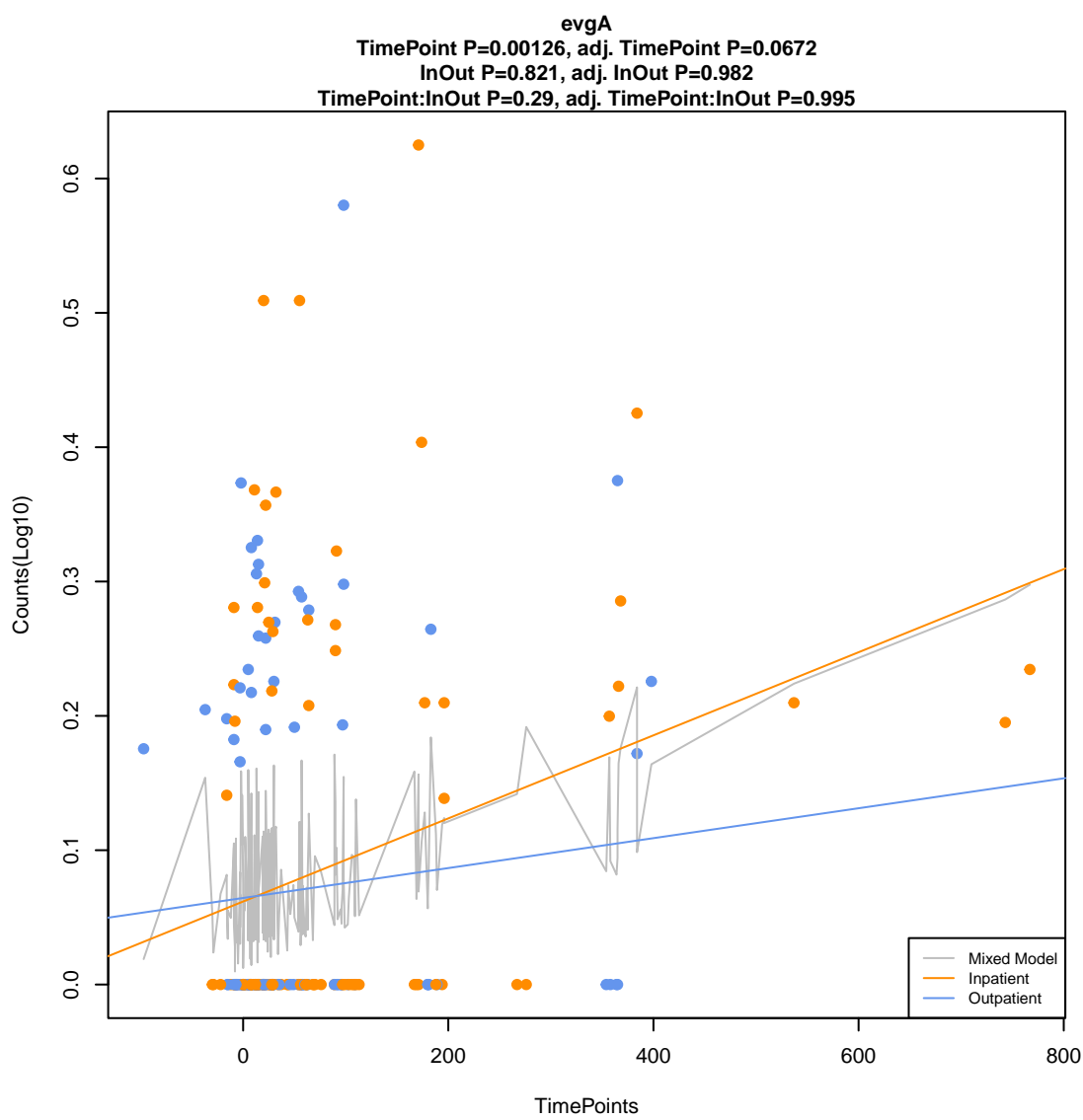
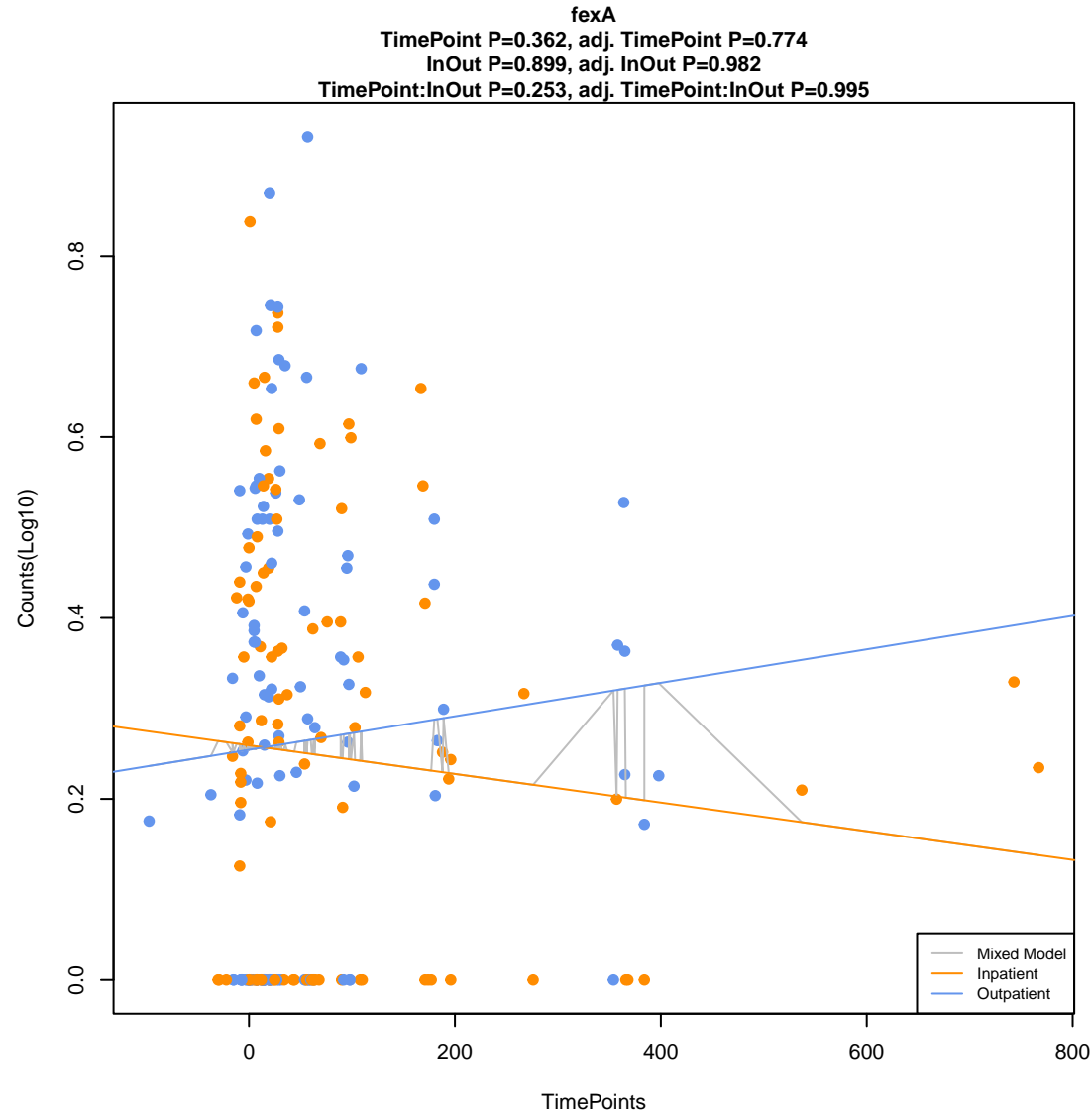
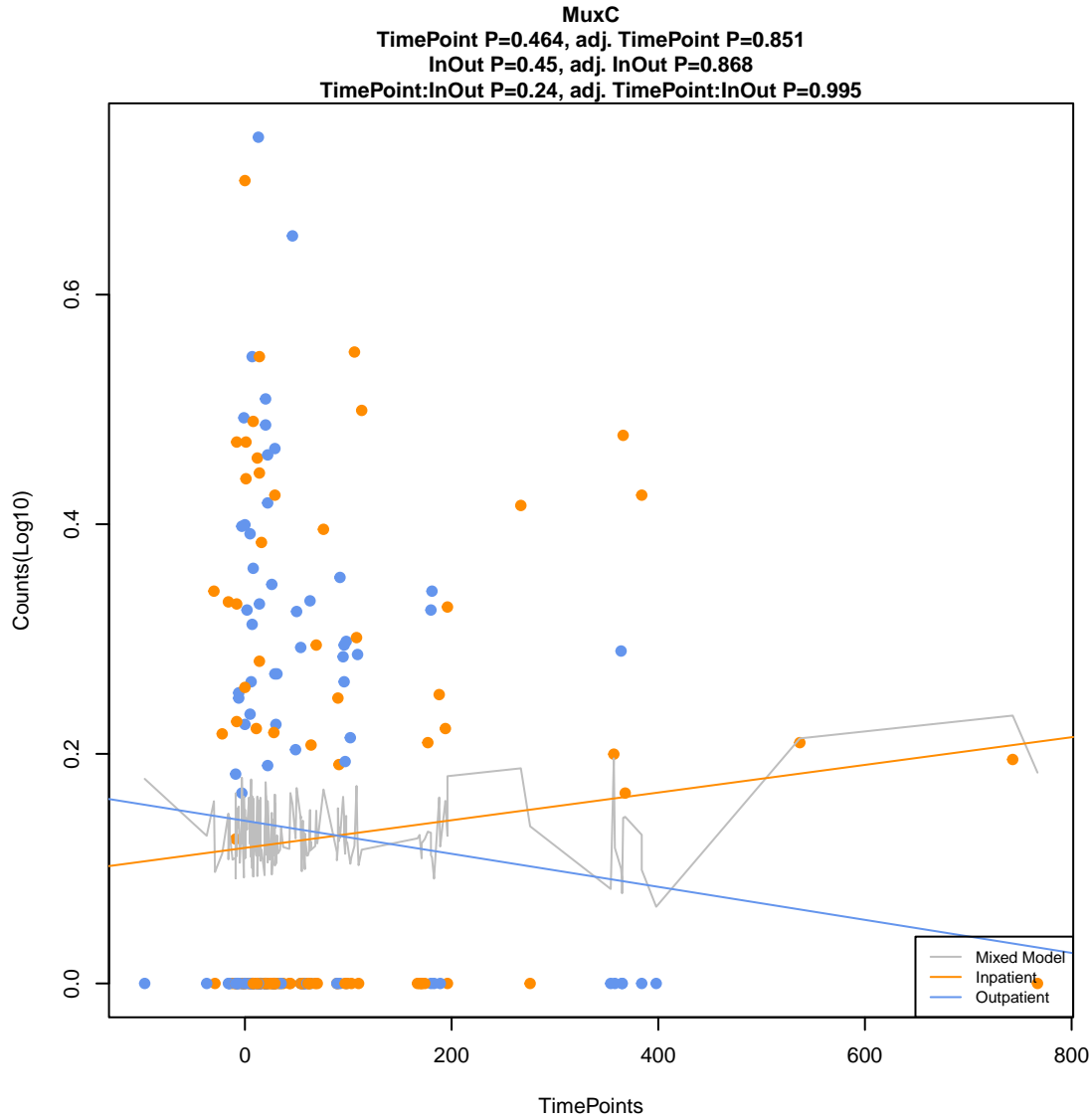
TimePoint P=0.0326, adj. TimePoint P=0.291  
InOut P=0.00868, adj. InOut P=0.375  
TimePoint:InOut P=0.197, adj. TimePoint:InOut P=0.995

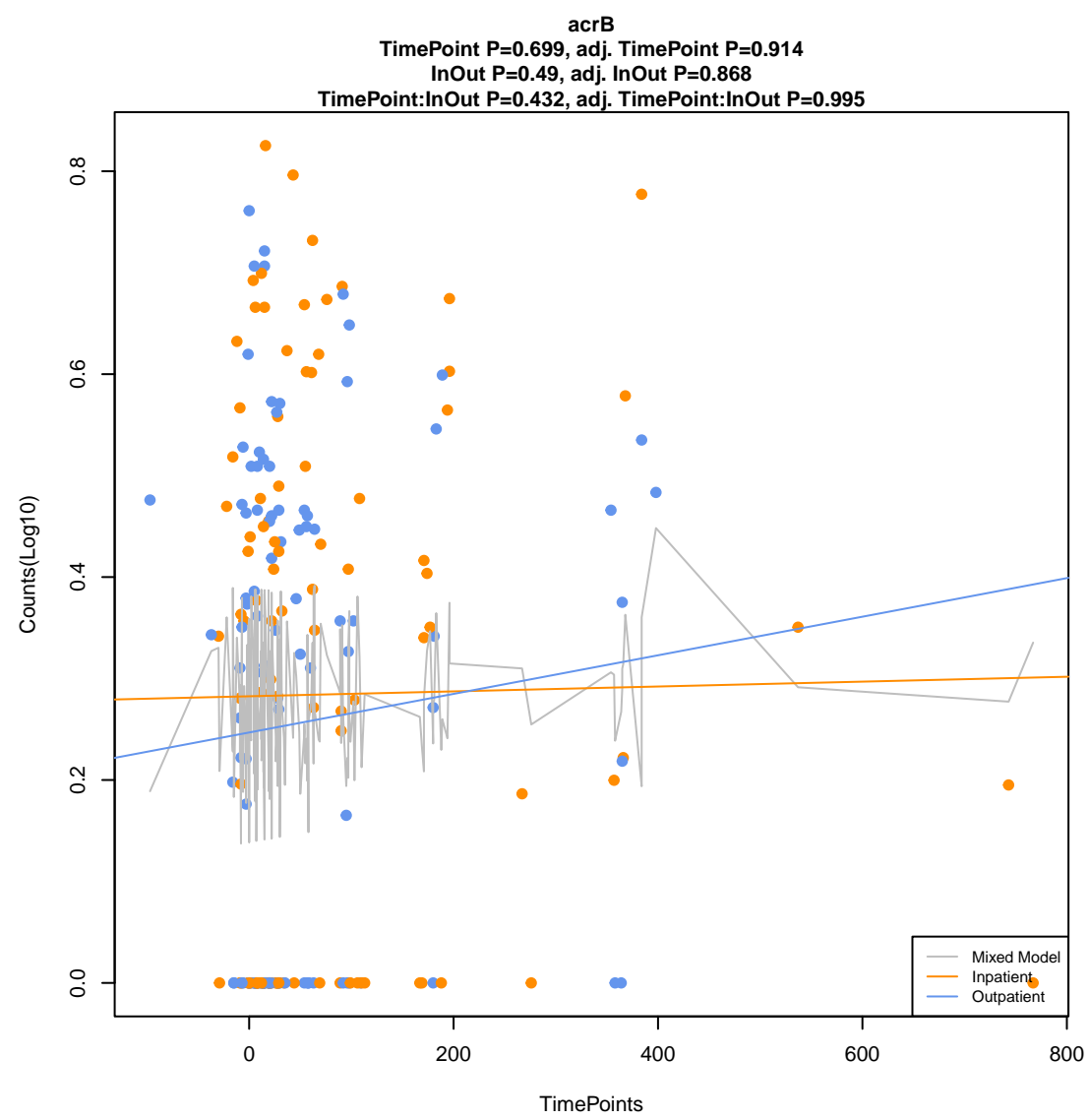
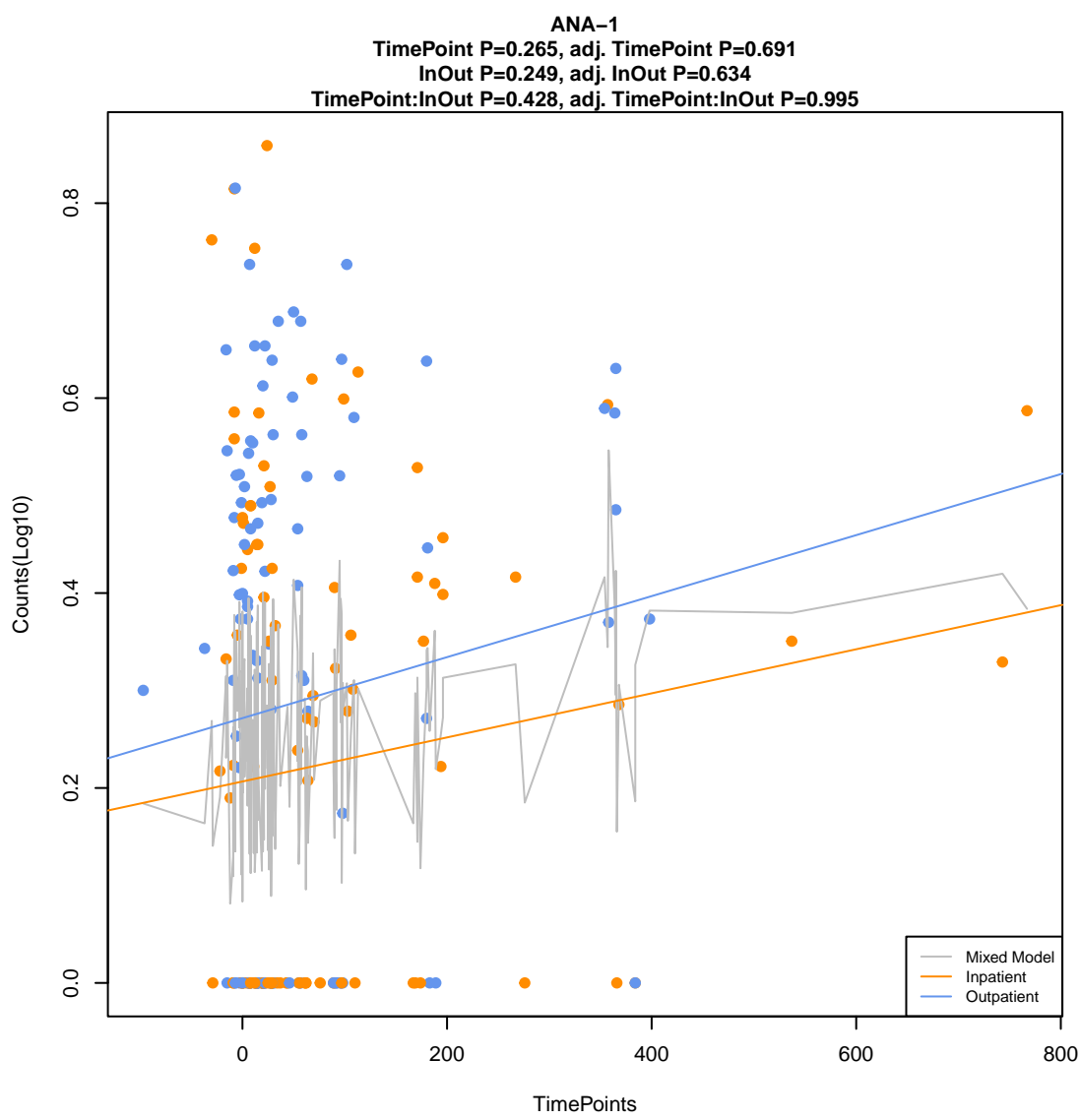
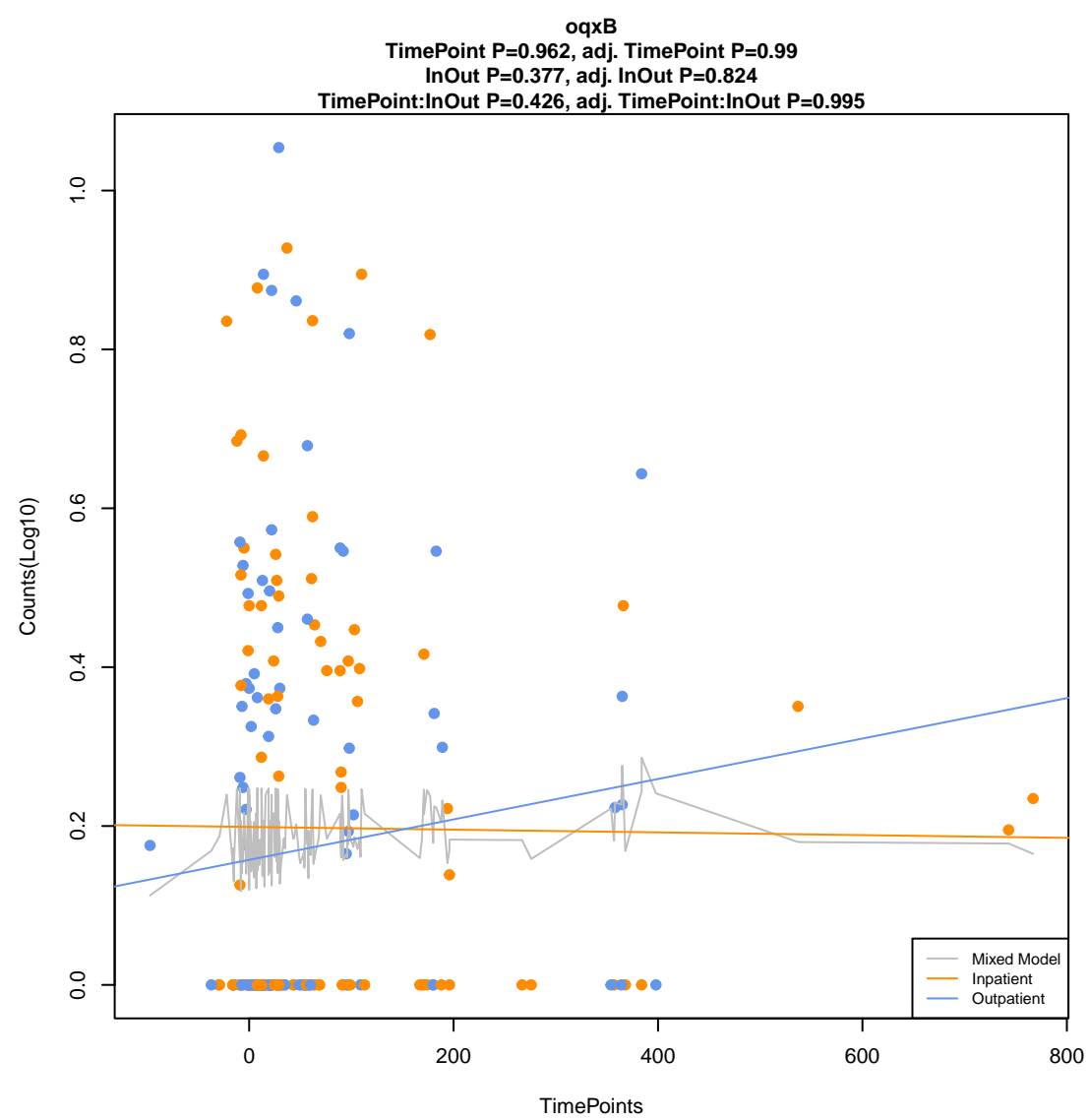
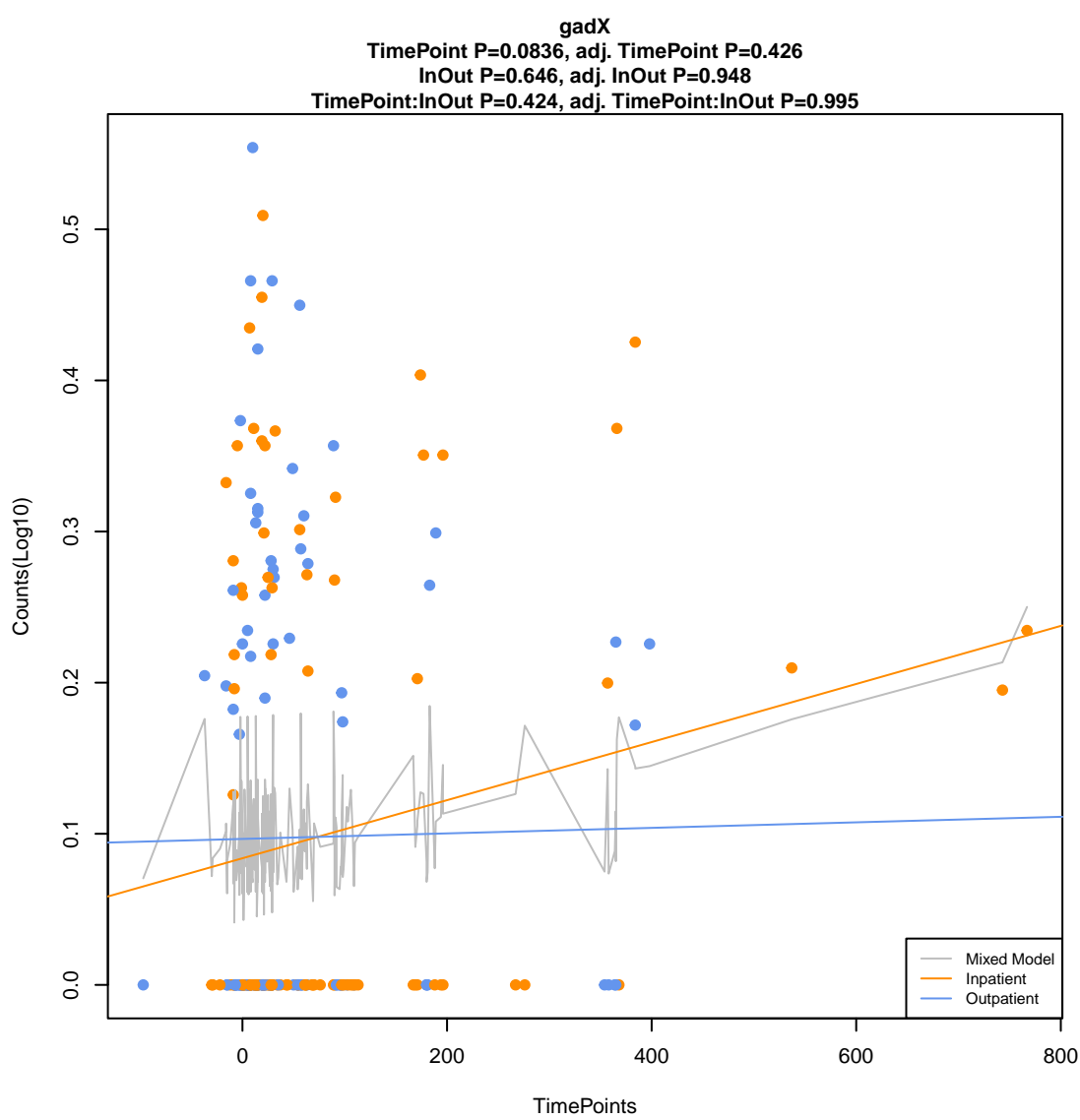
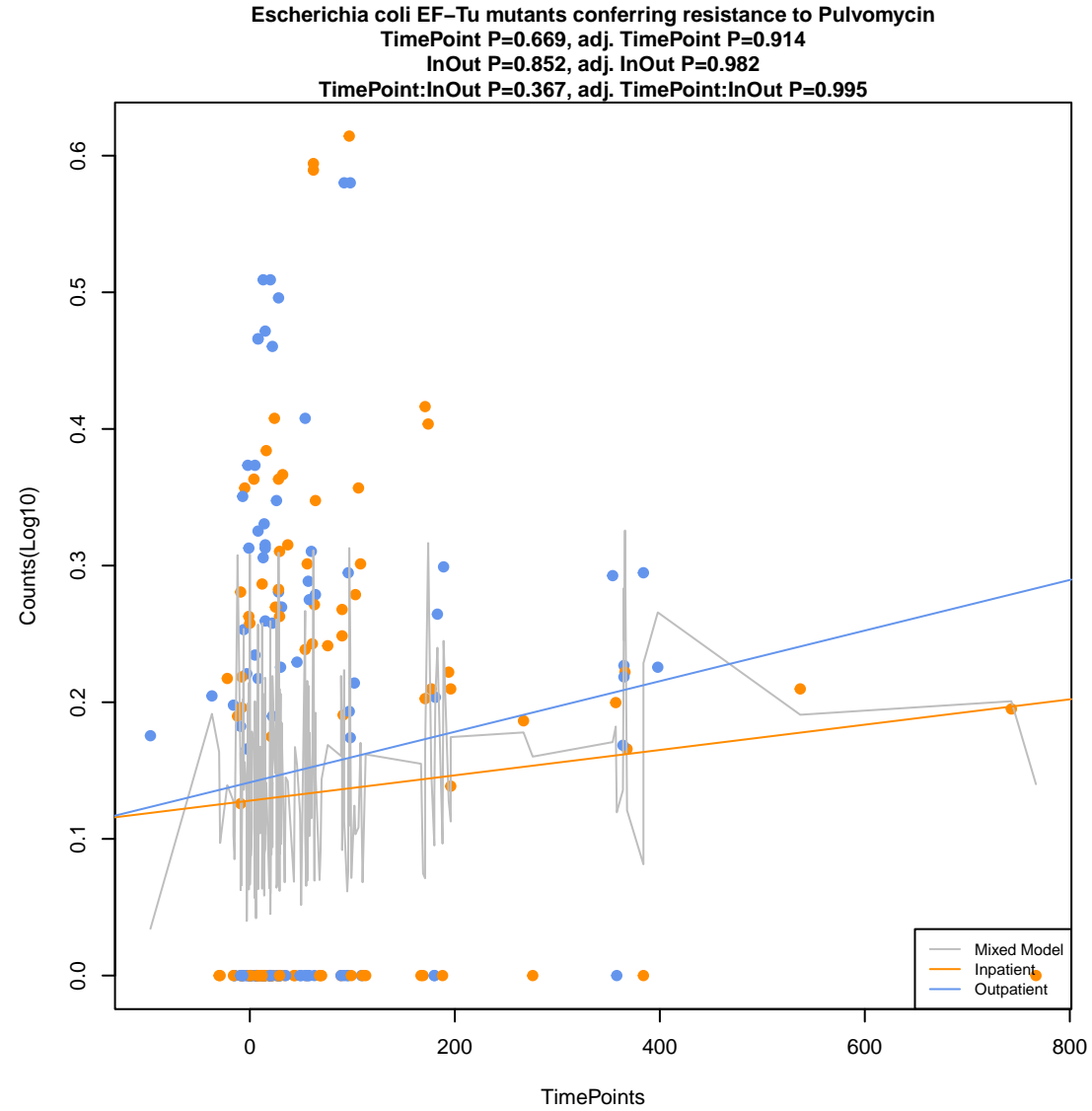
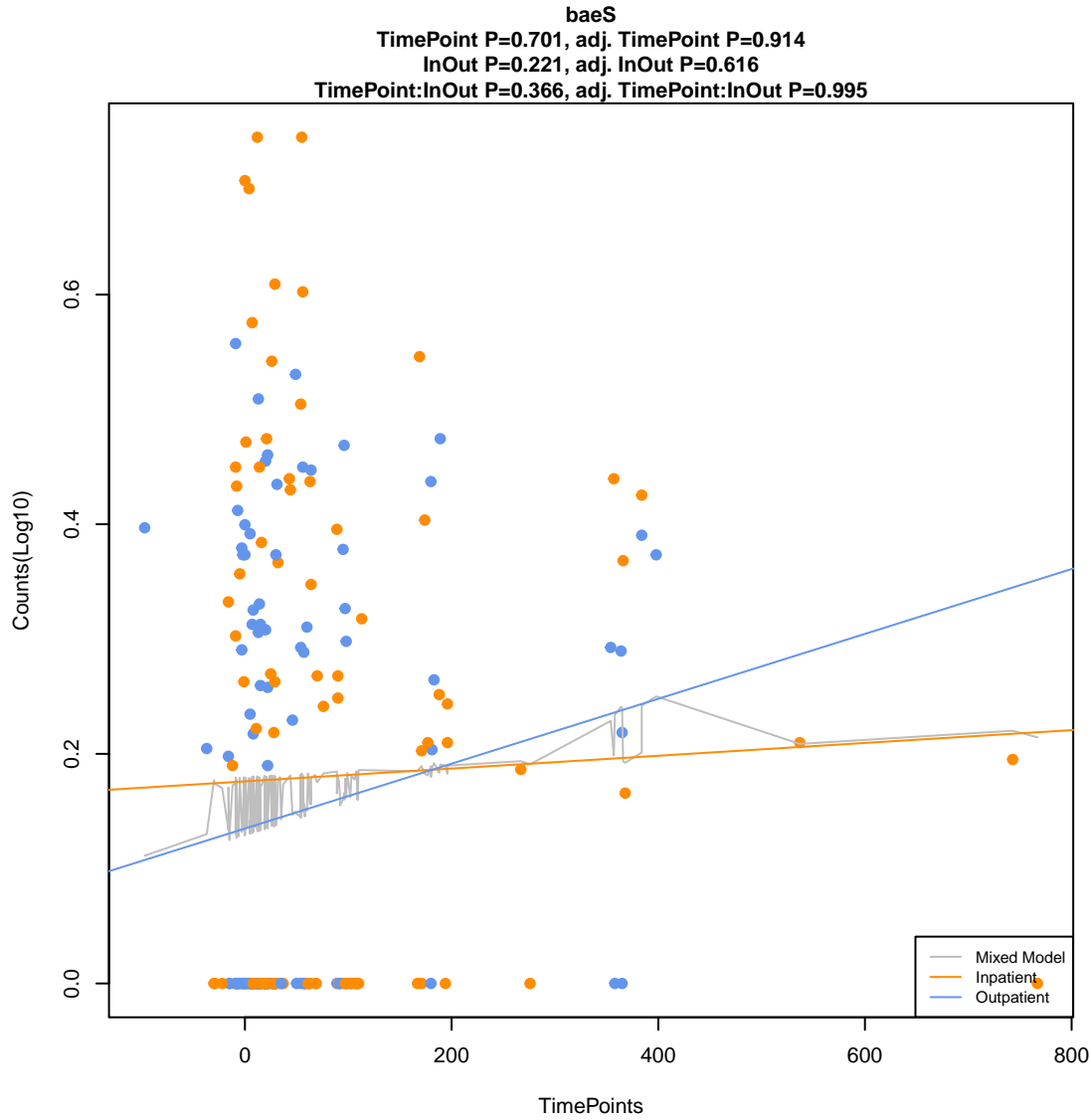


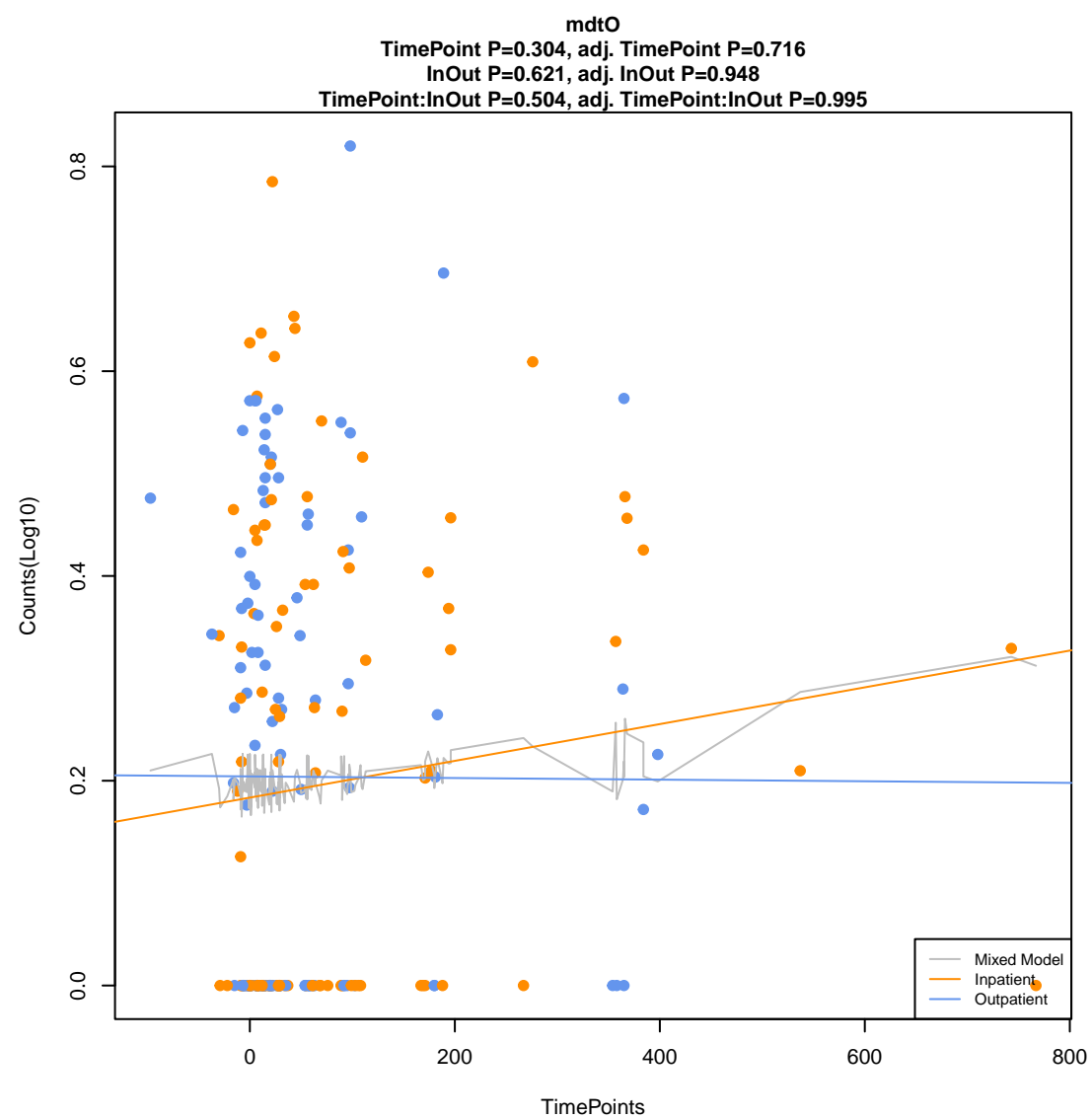
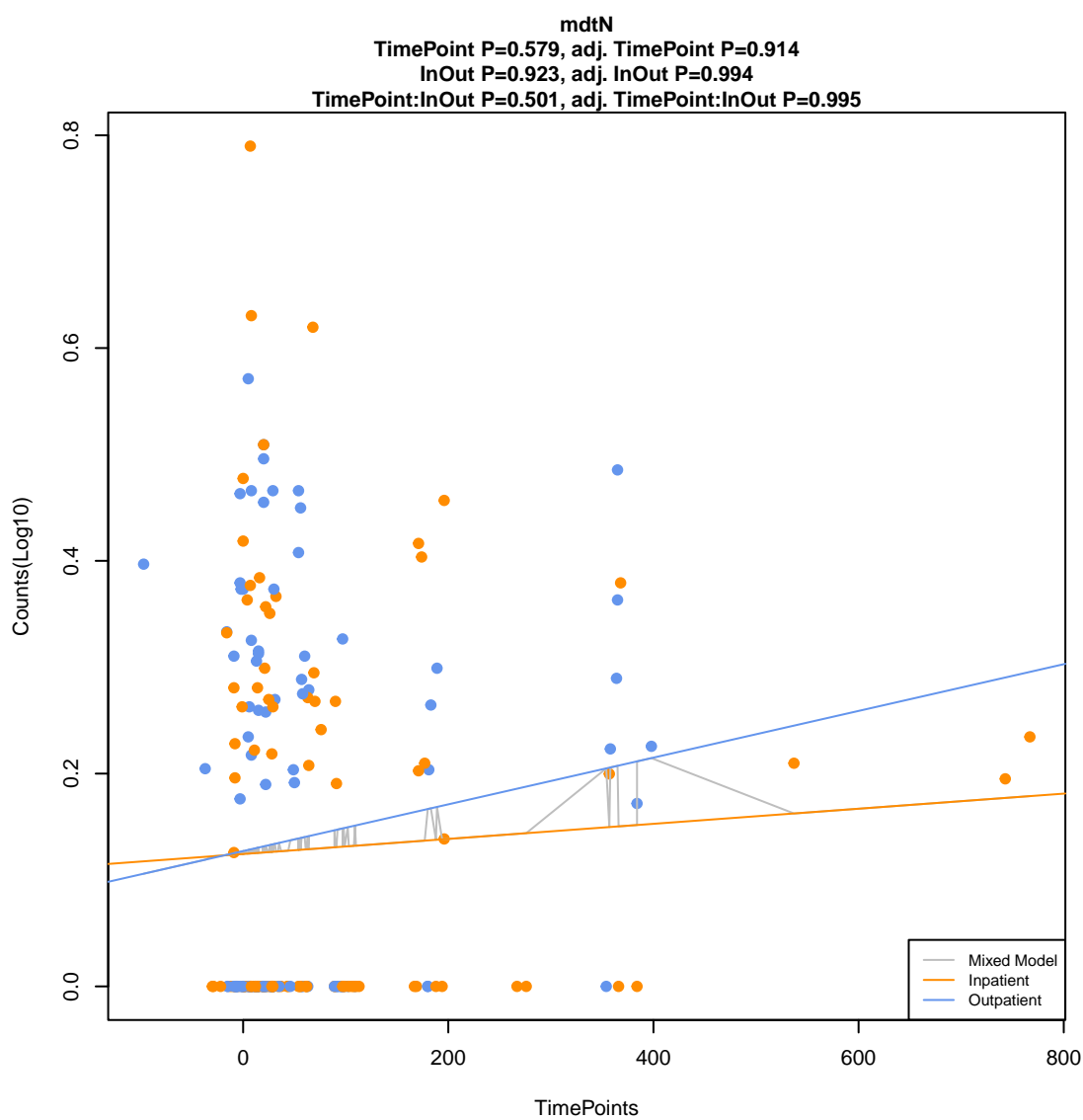
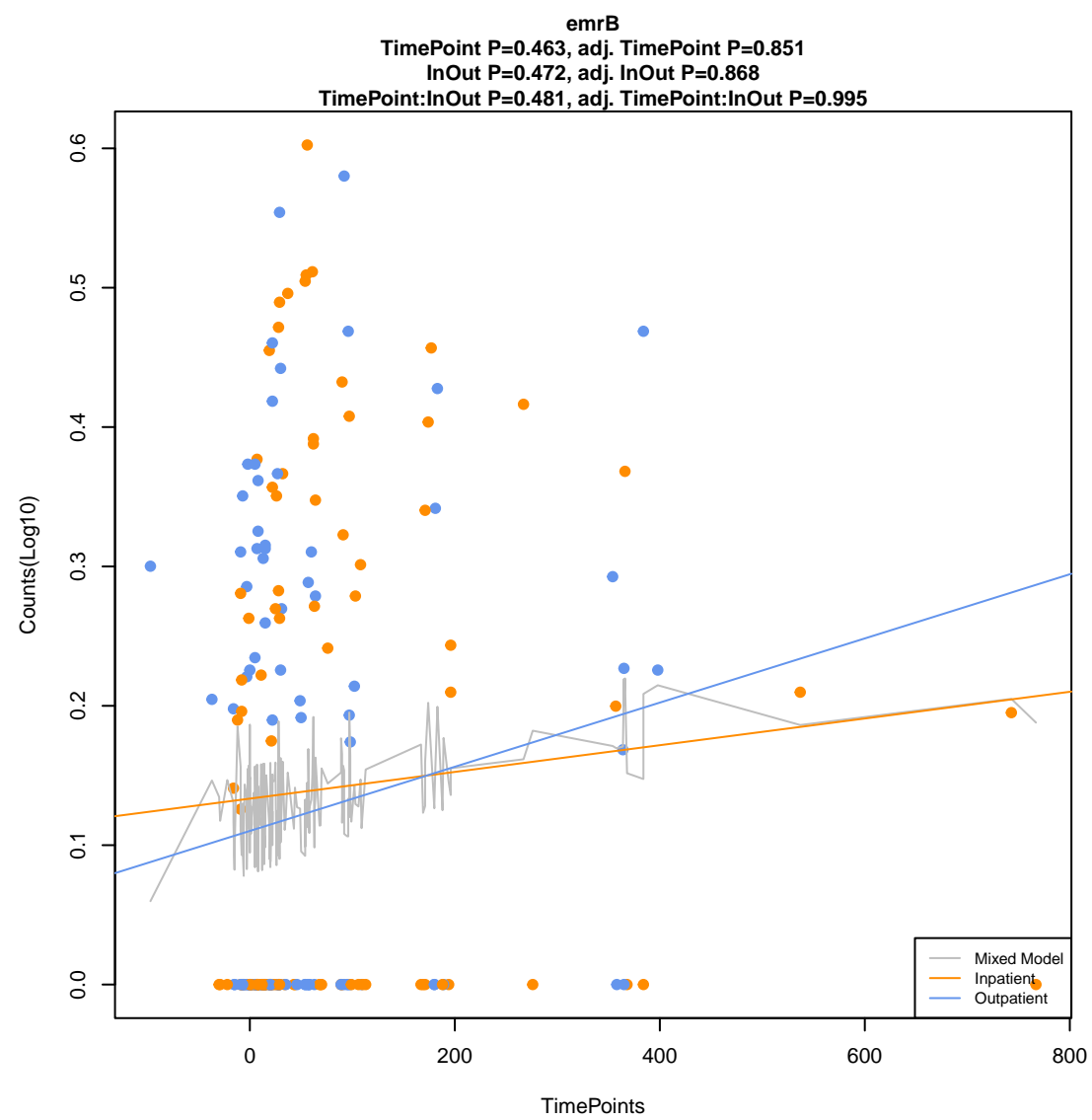
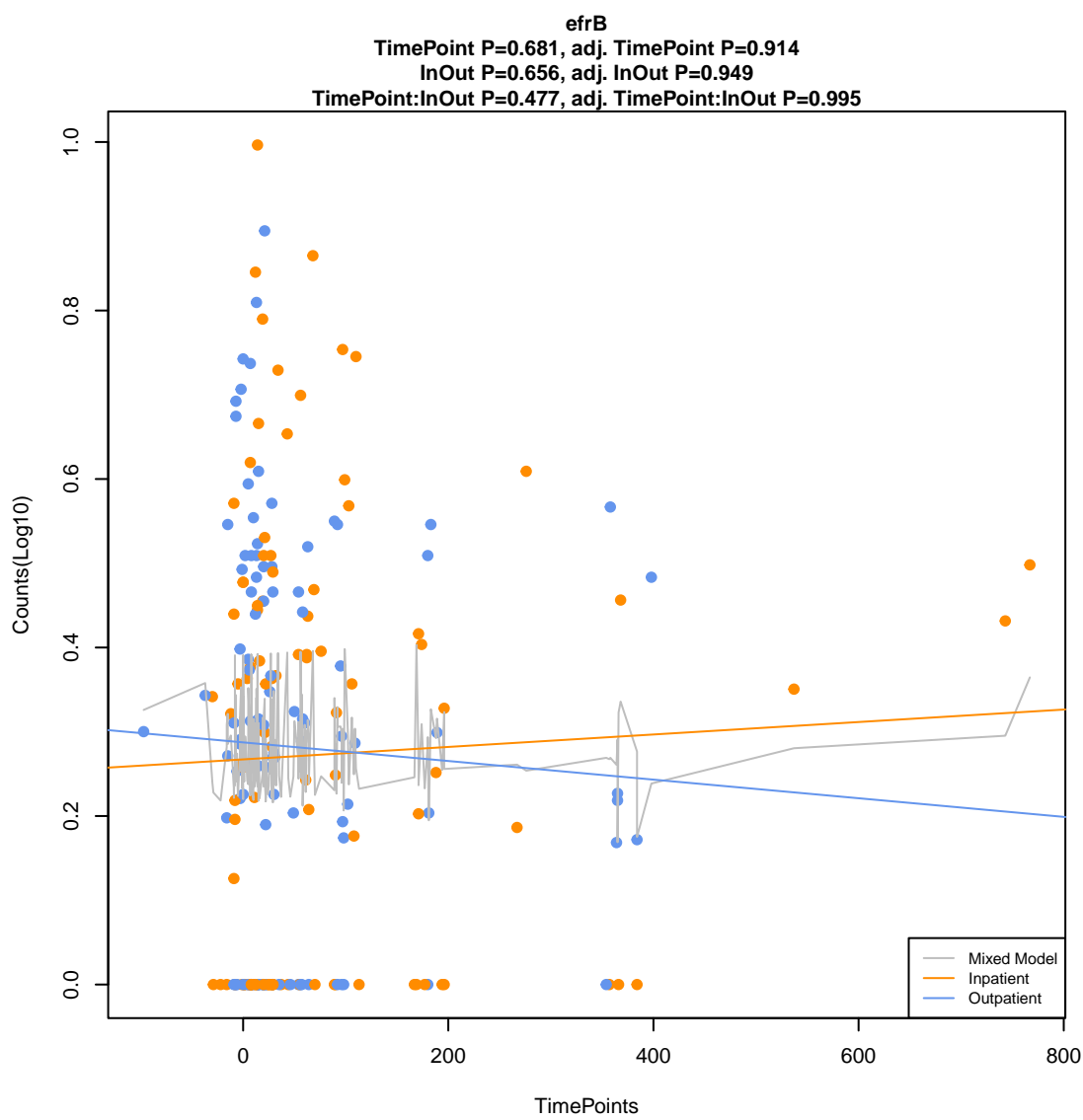
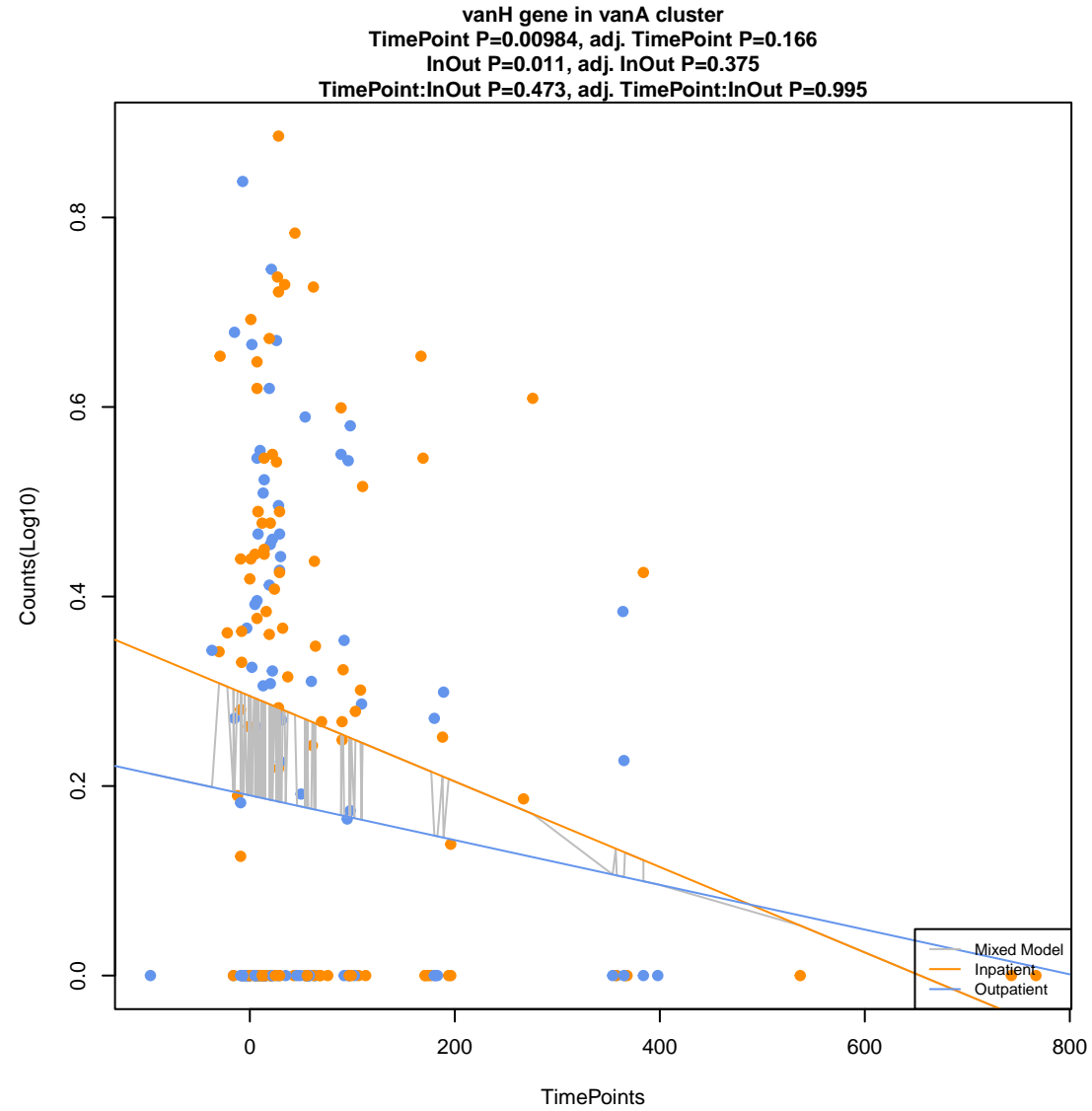
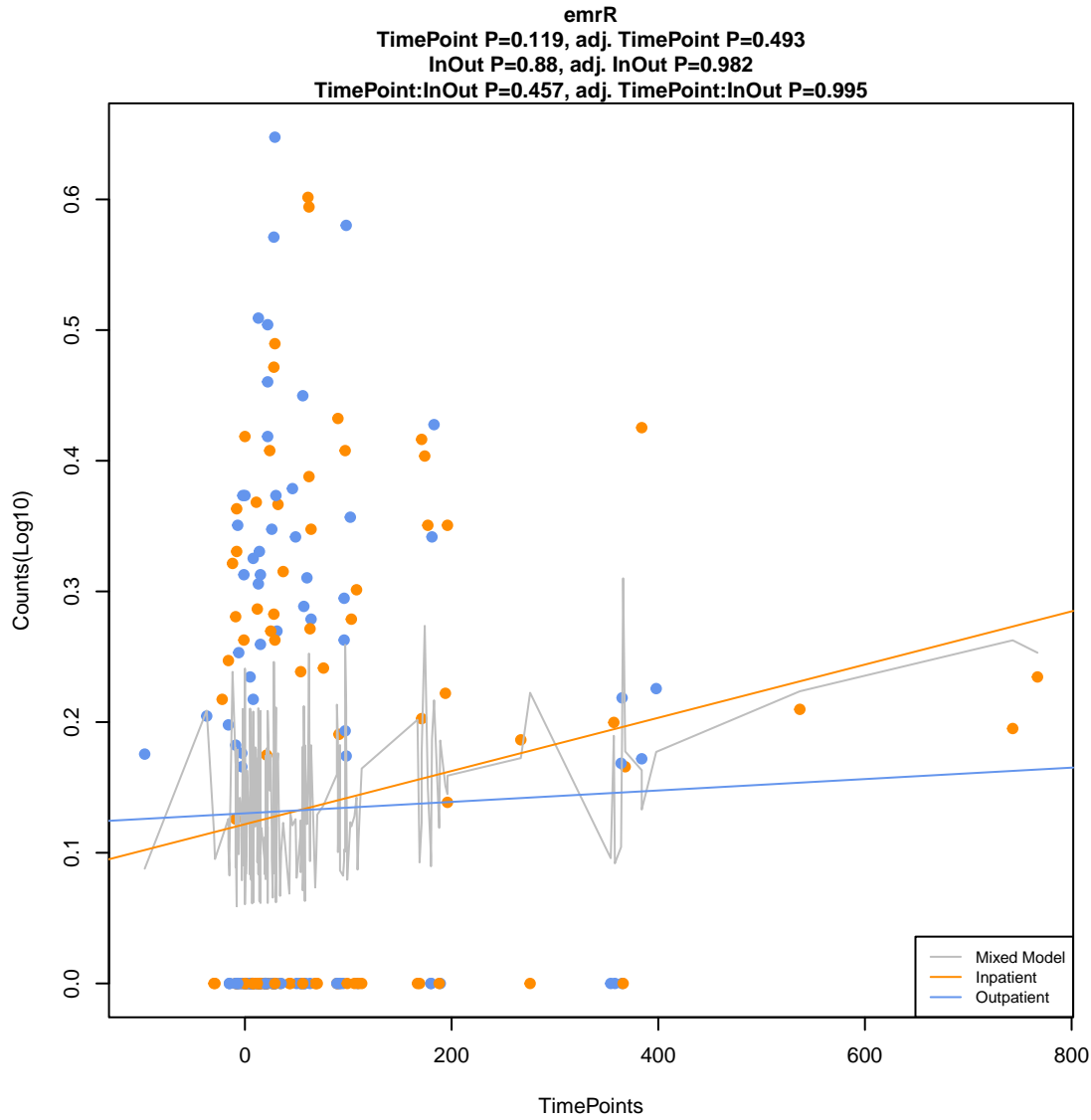
adeF

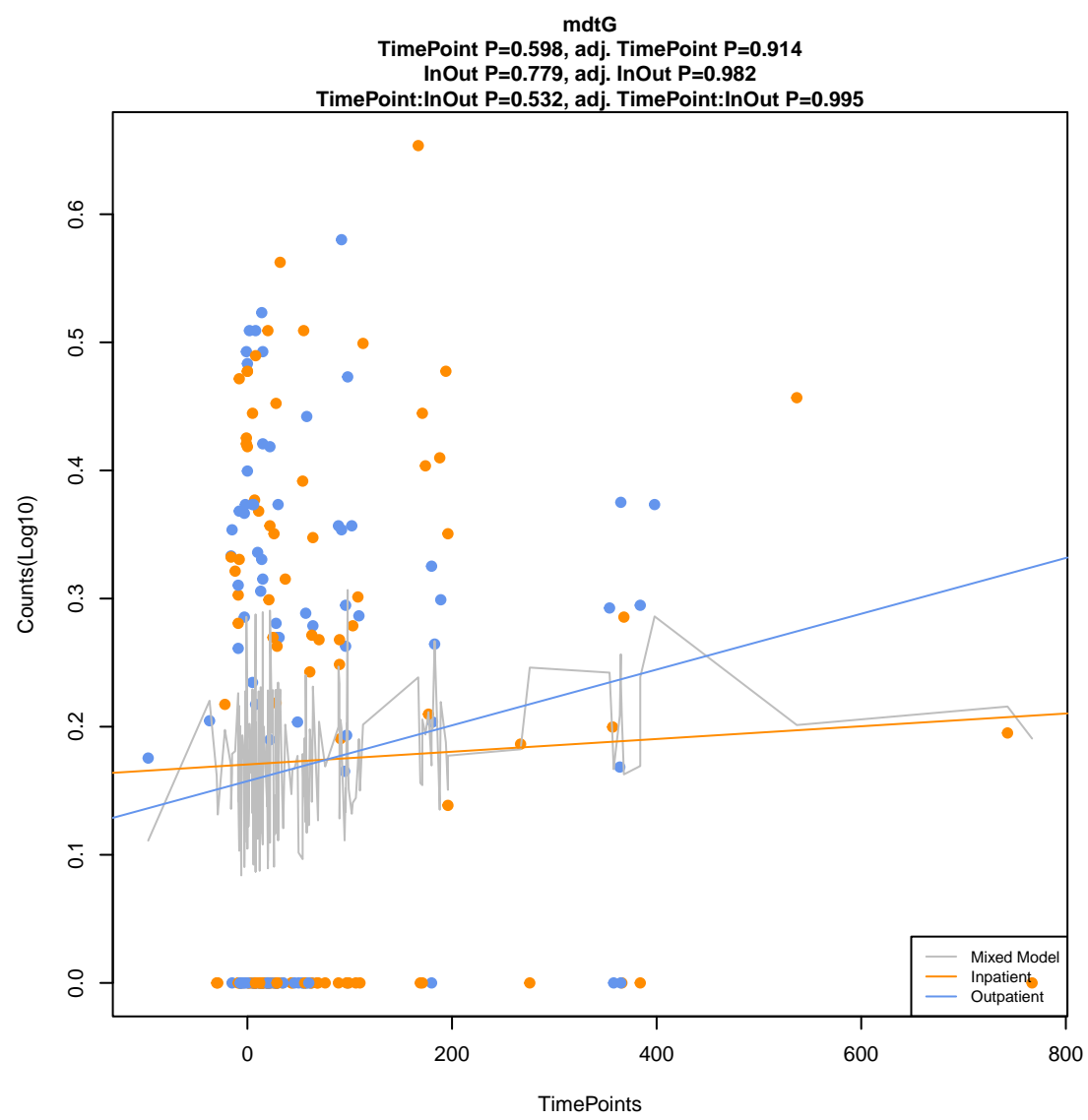
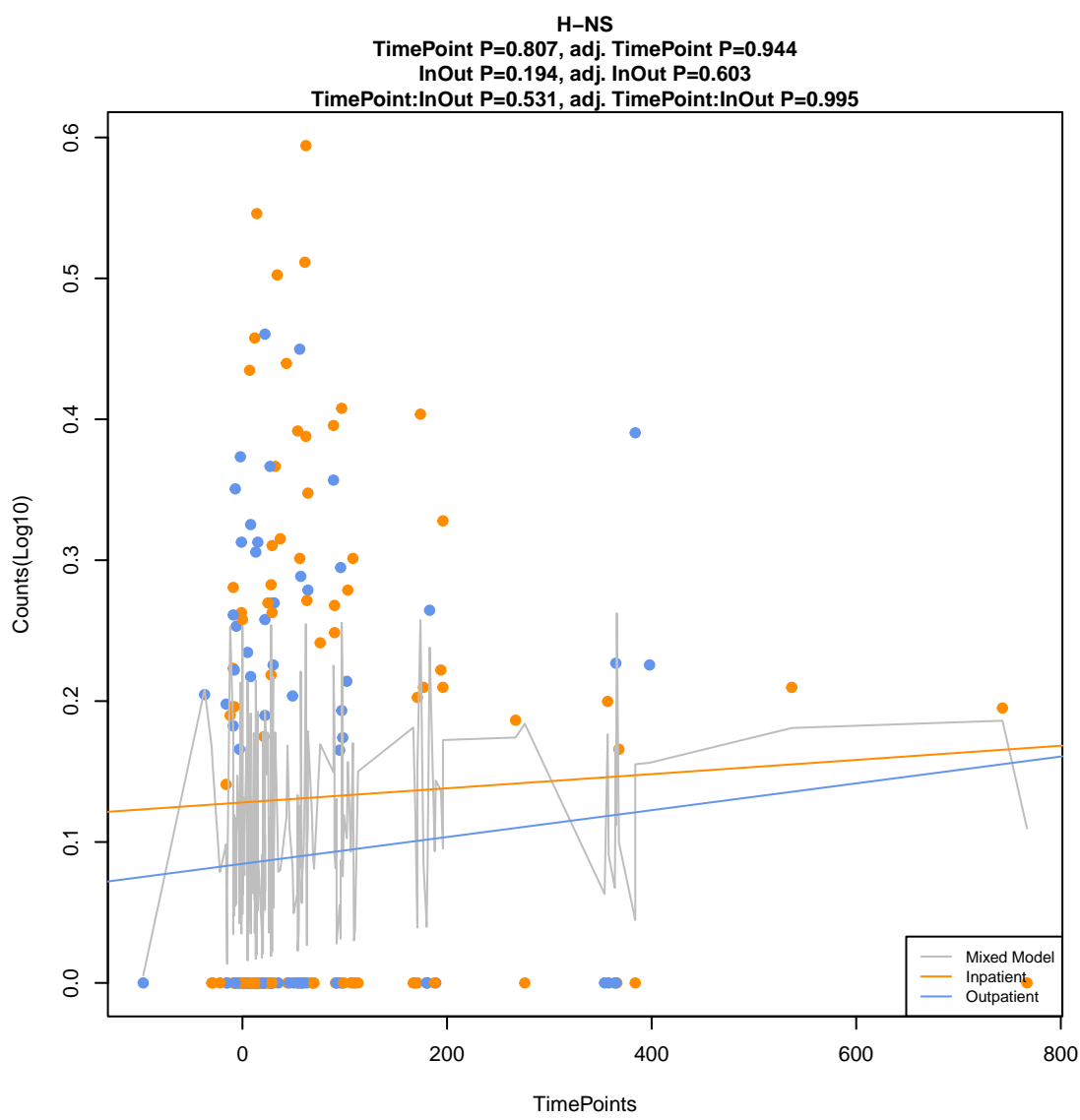
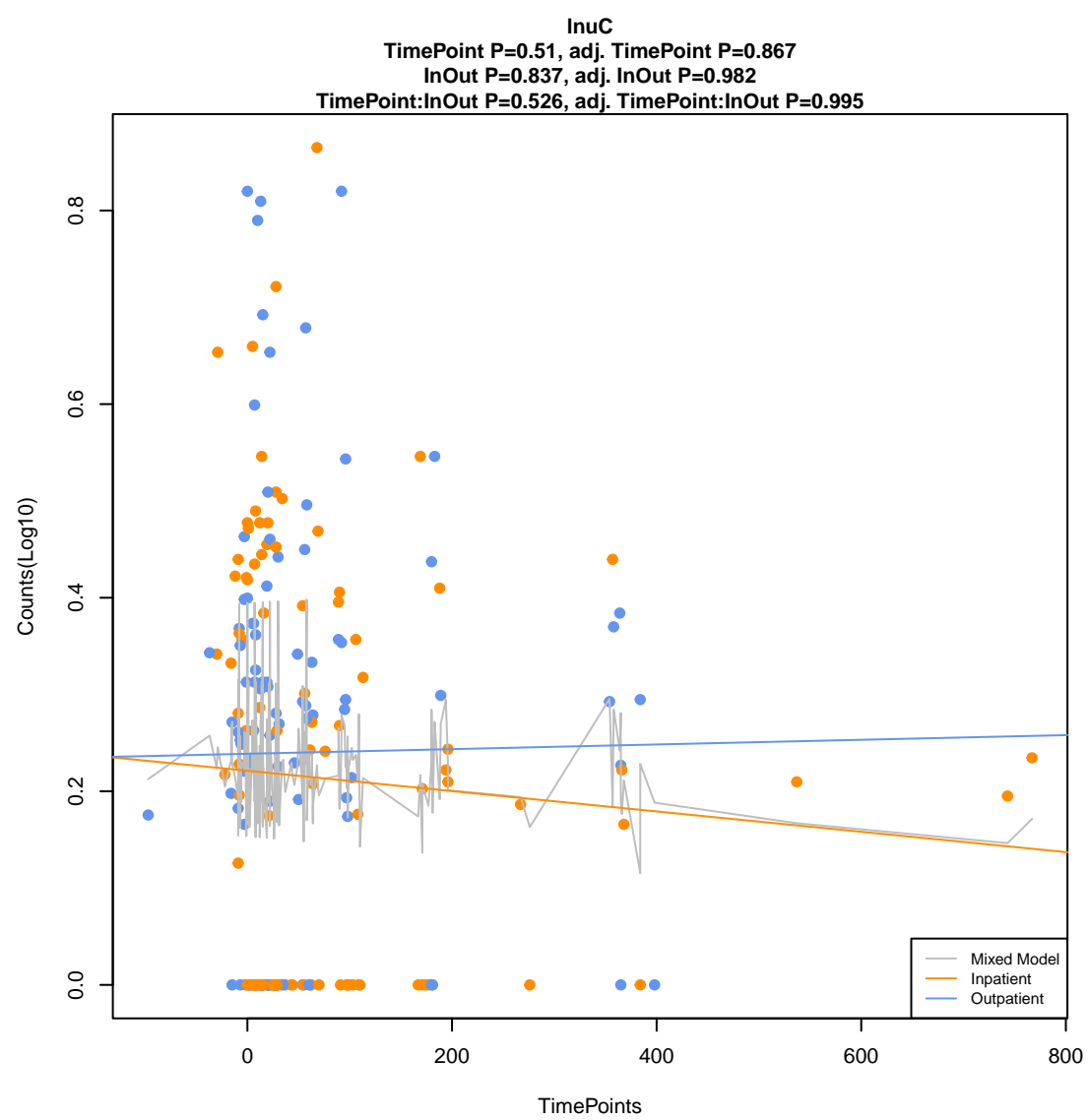
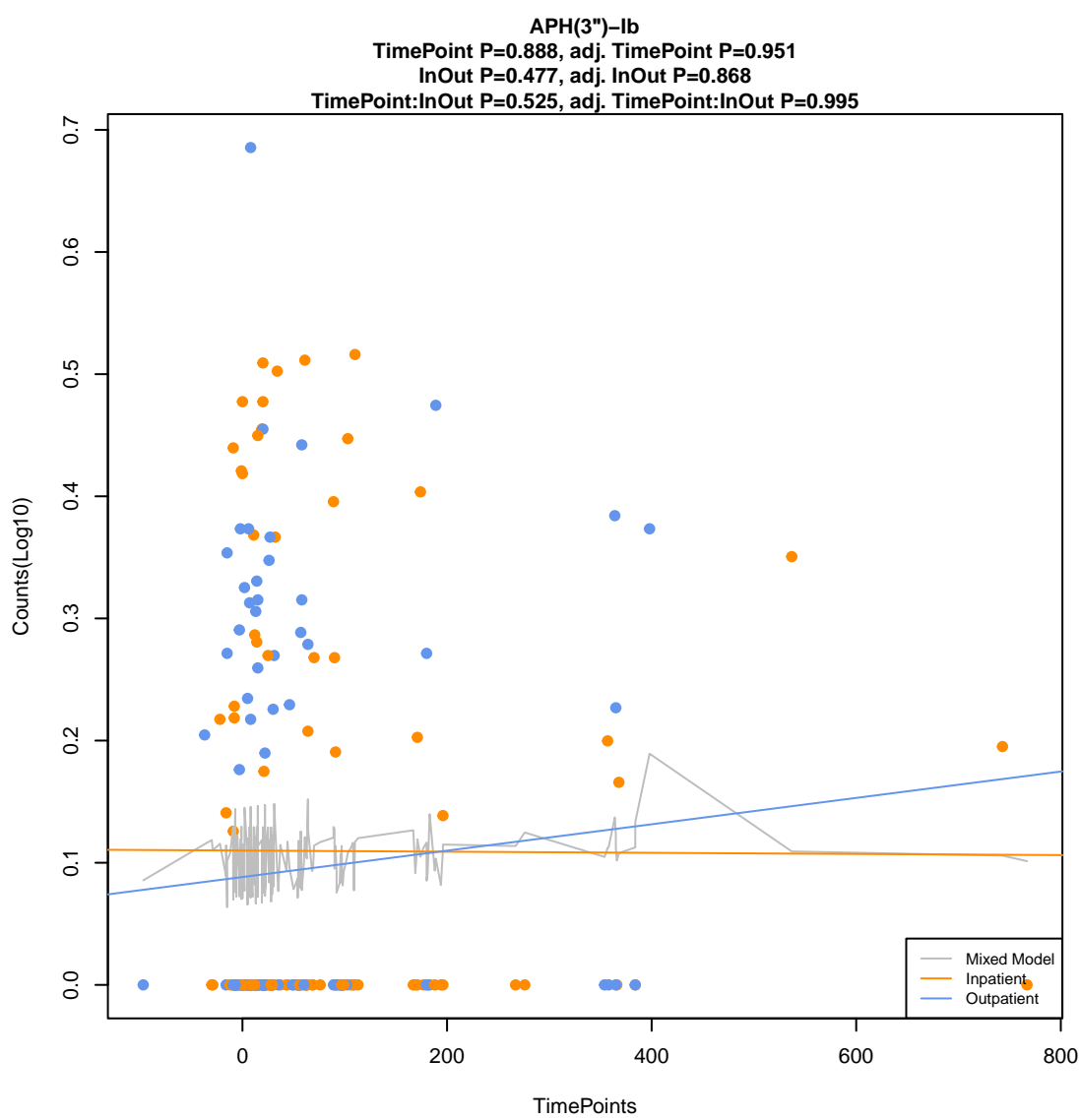
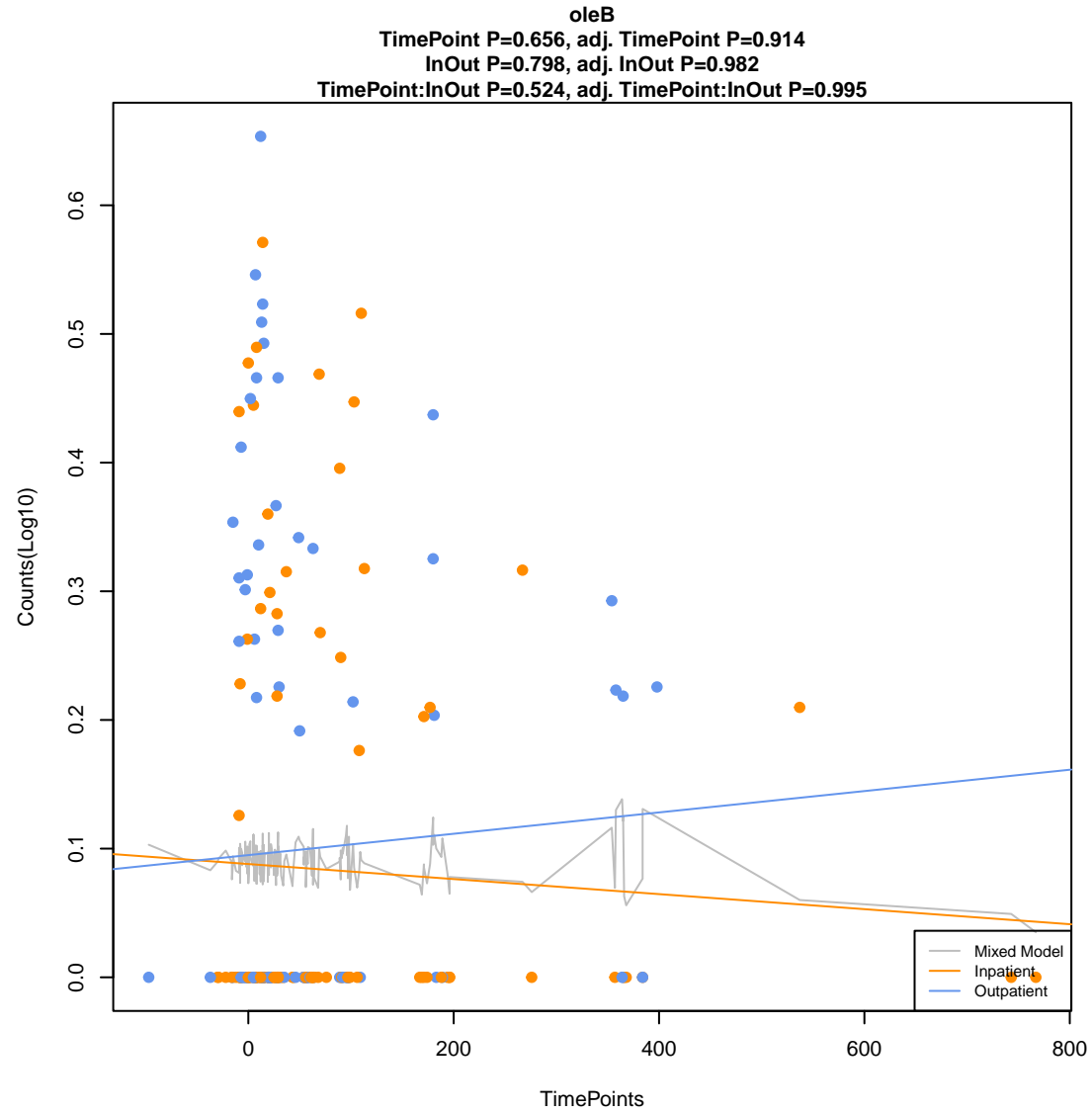
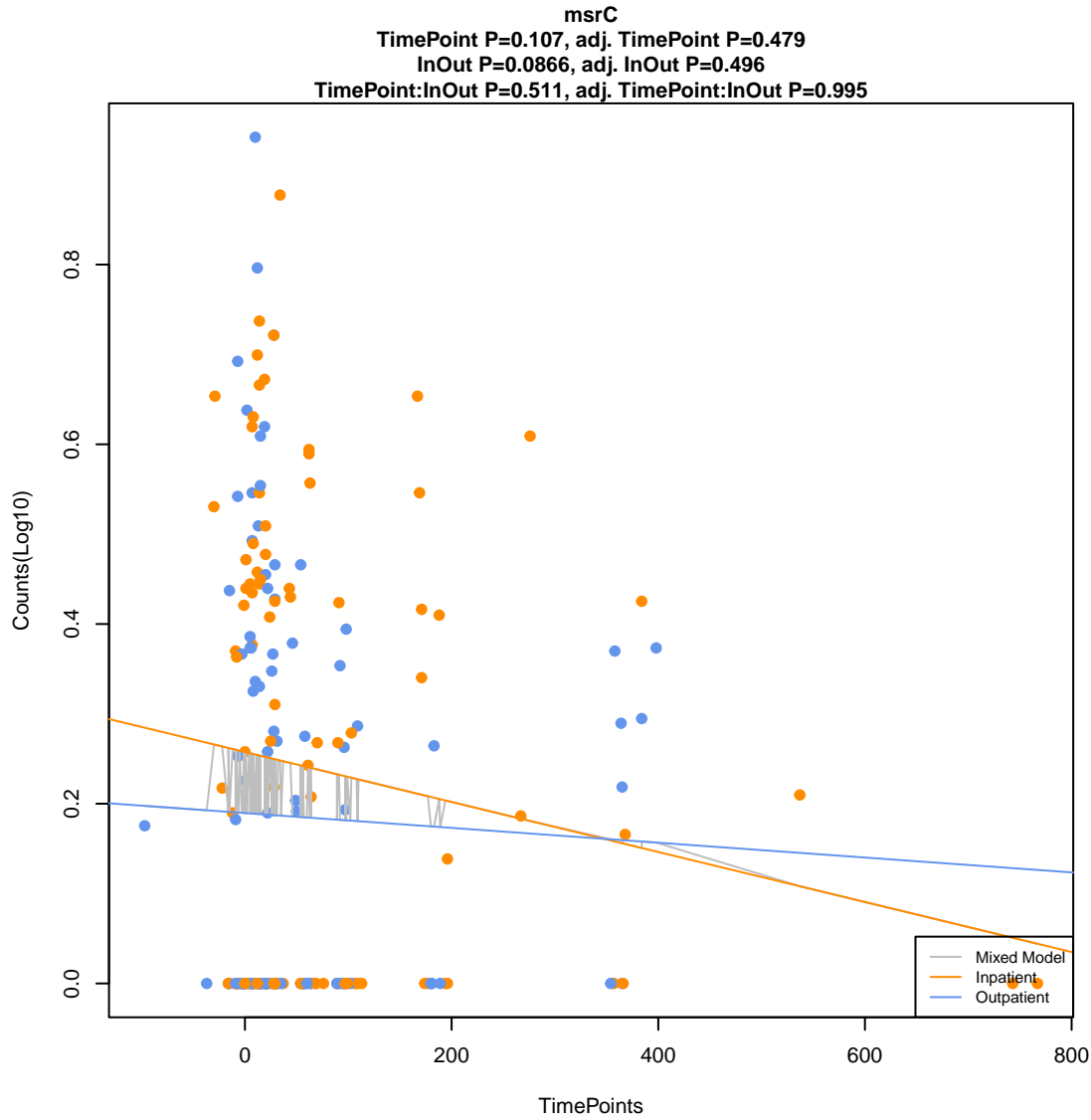
TimePoint P=0.137, adj. TimePoint P=0.496  
InOut P=0.0744, adj. InOut P=0.496  
TimePoint:InOut P=0.22, adj. TimePoint:InOut P=0.995







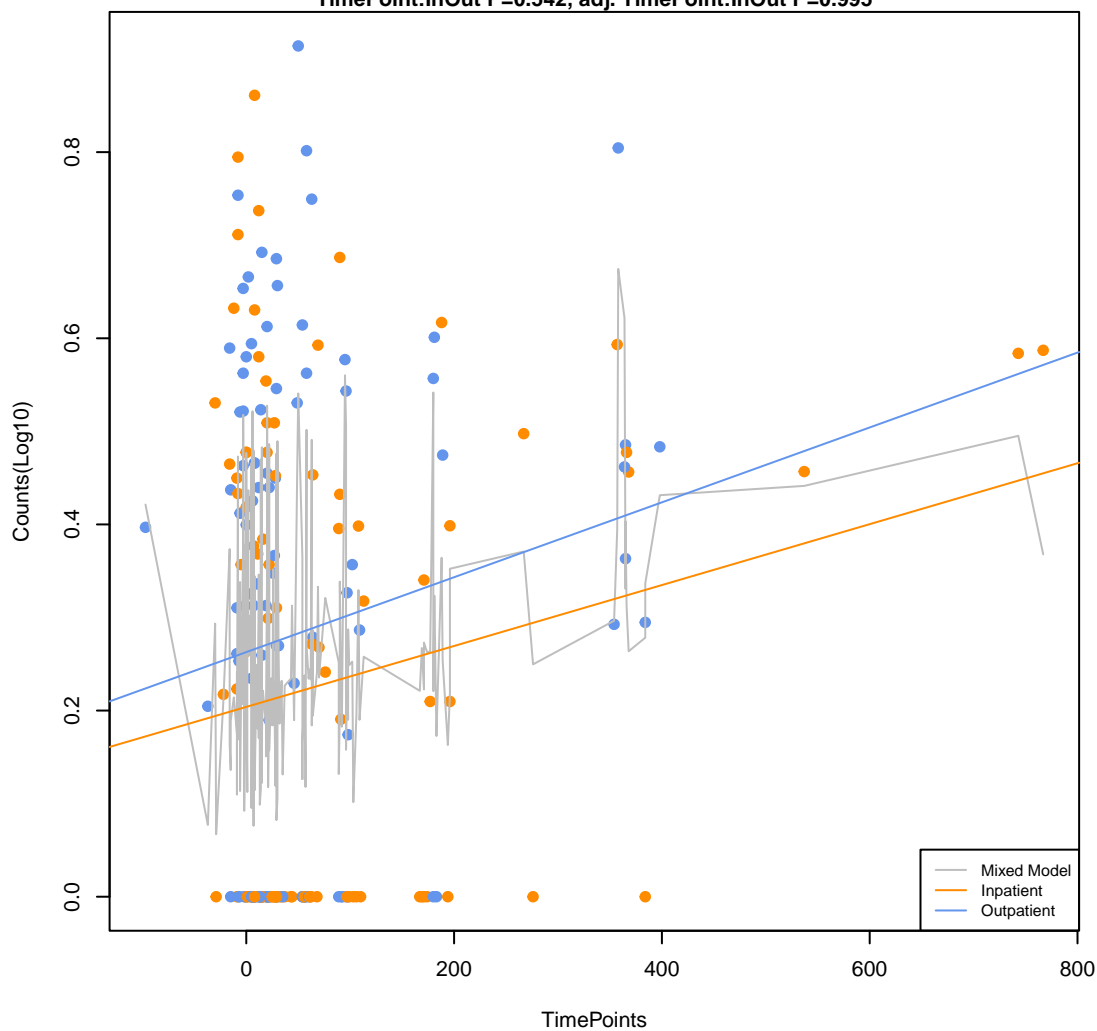






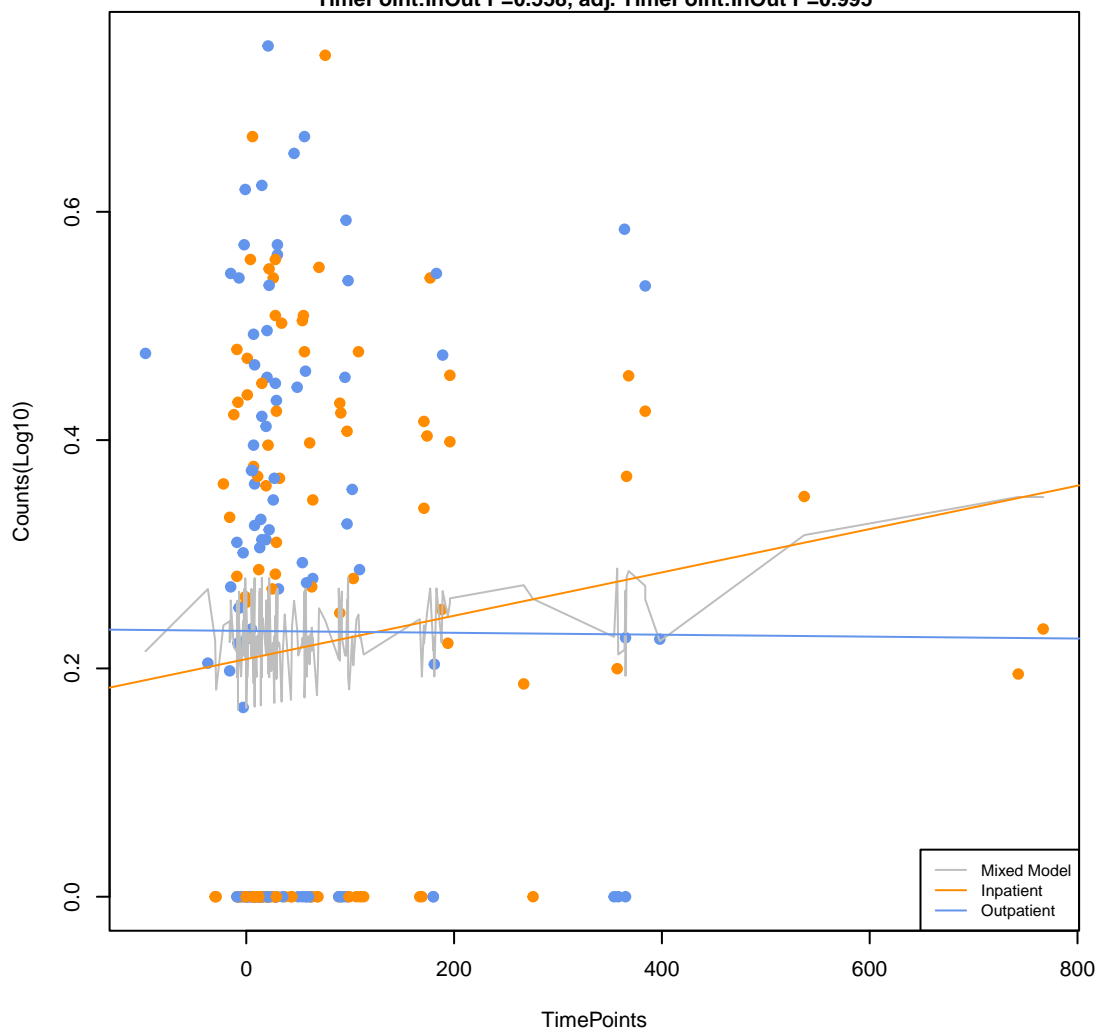
mefH

TimePoint P=0.12, adj. TimePoint P=0.493  
InOut P=0.298, adj. InOut P=0.71  
TimePoint:InOut P=0.542, adj. TimePoint:InOut P=0.995

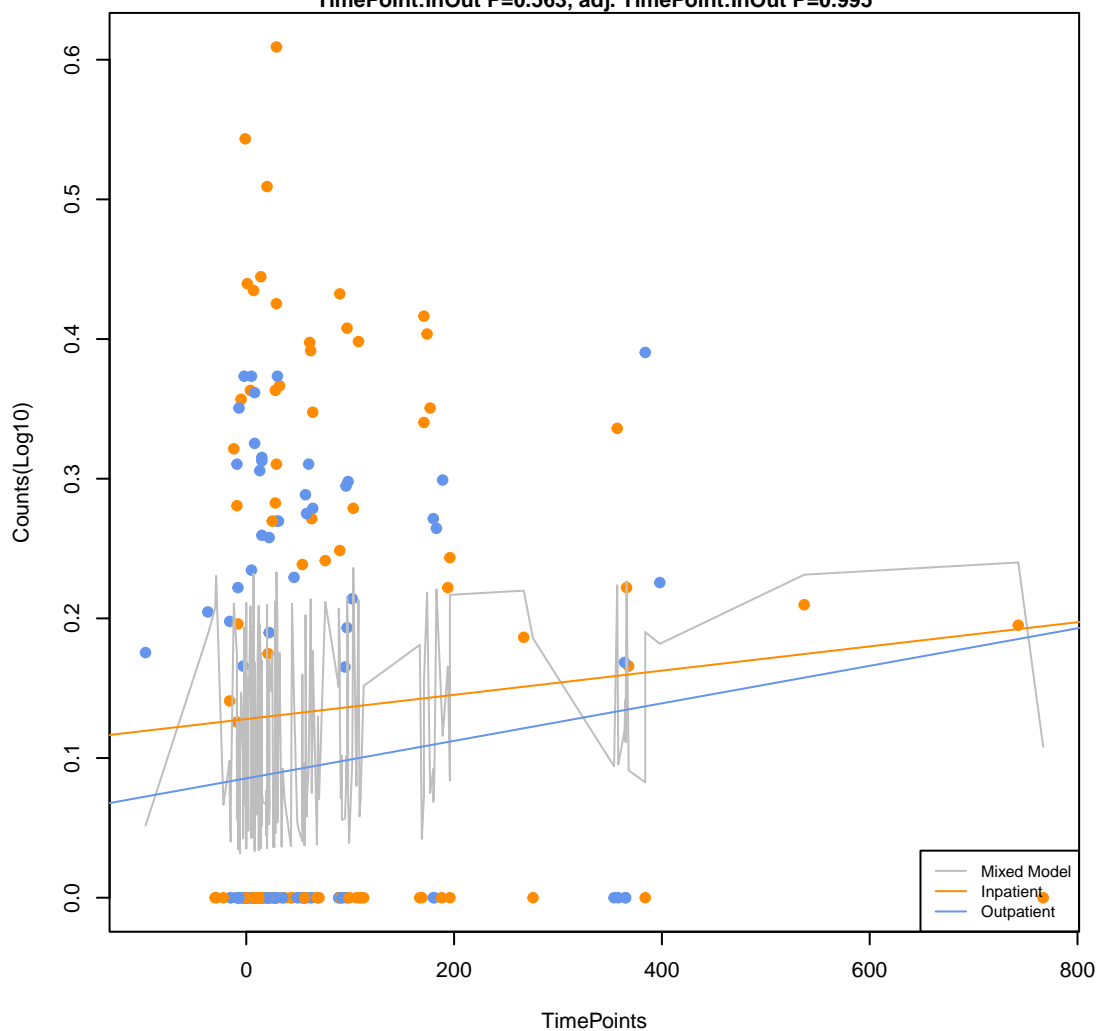


cpxA

TimePoint P=0.308, adj. TimePoint P=0.716  
InOut P=0.503, adj. InOut P=0.868  
TimePoint:InOut P=0.558, adj. TimePoint:InOut P=0.995

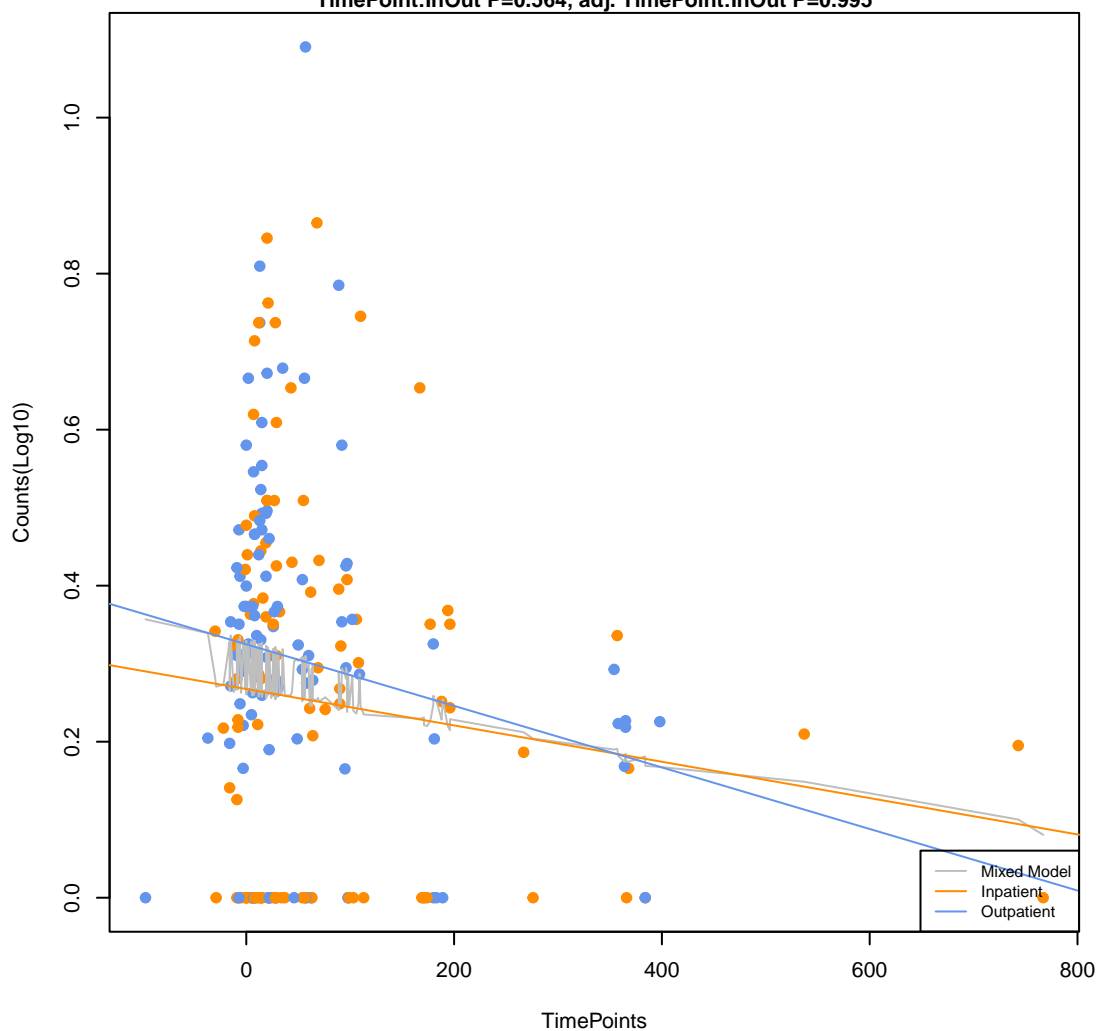


**Escherichia coli soxS with mutation conferring antibiotic resistance**  
TimePoint P=0.689, adj. TimePoint P=0.914  
InOut P=0.158, adj. InOut P=0.584  
TimePoint:InOut P=0.563, adj. TimePoint:InOut P=0.995

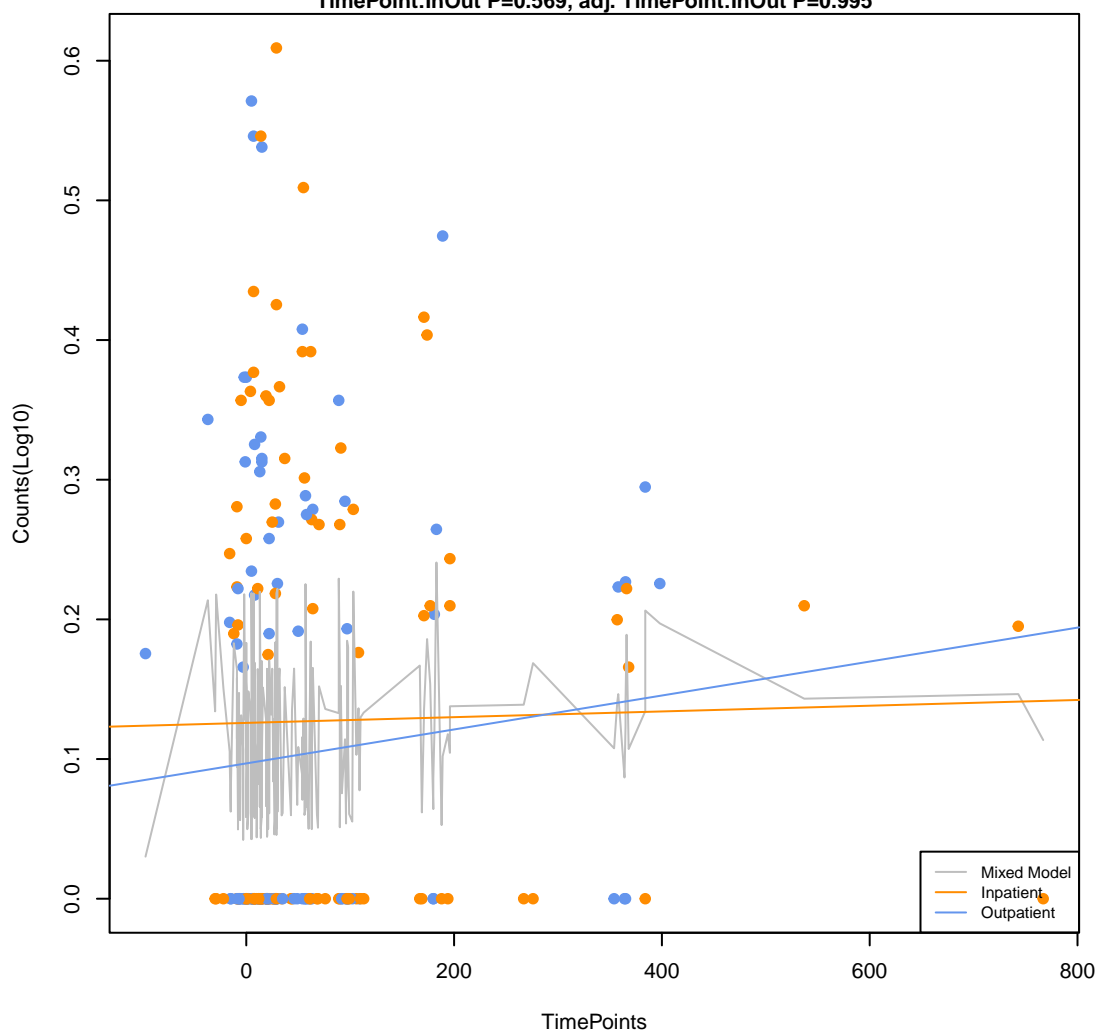


ErmF

TimePoint P=0.147, adj. TimePoint P=0.496  
InOut P=0.126, adj. InOut P=0.539  
TimePoint:InOut P=0.564, adj. TimePoint:InOut P=0.995

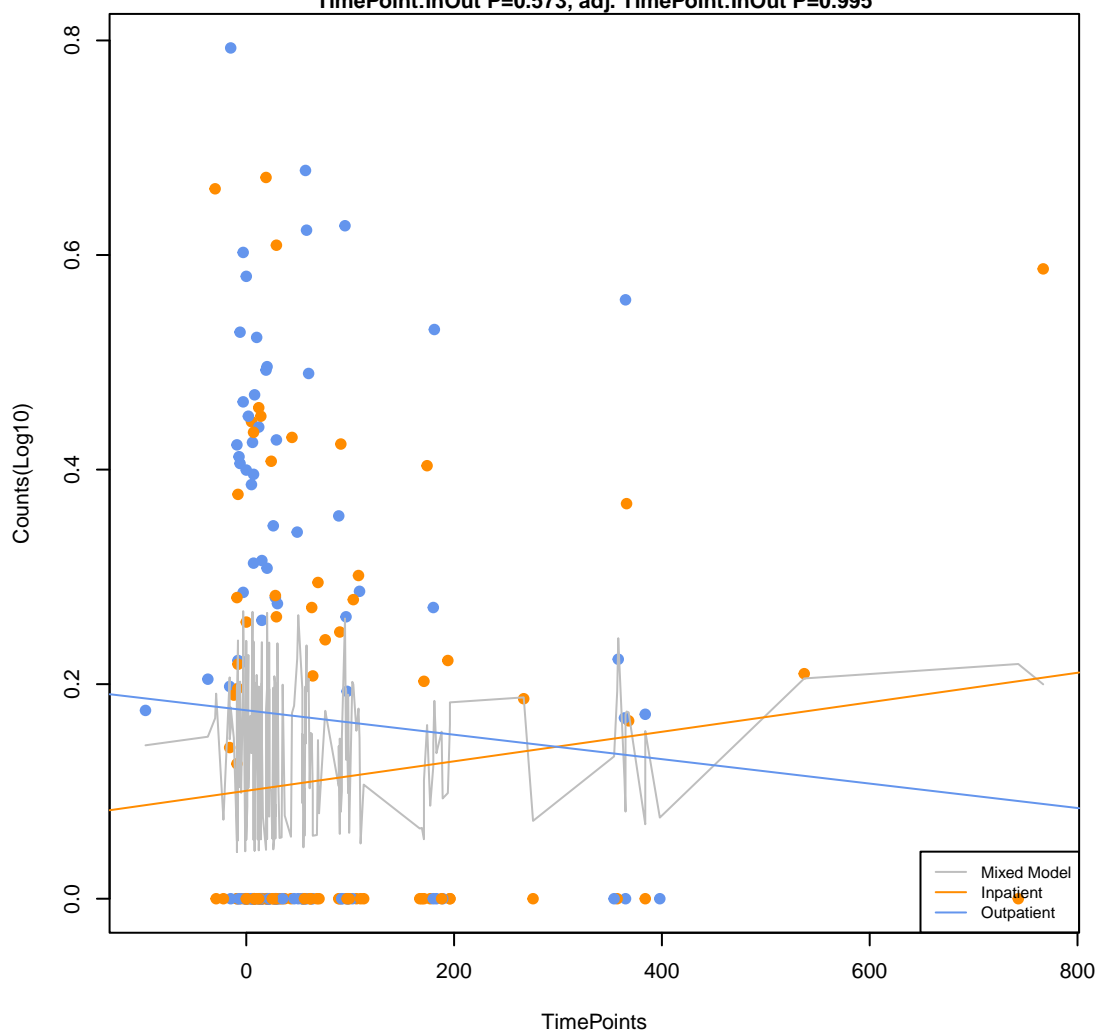


**Escherichia coli soxR with mutation conferring antibiotic resistance**  
TimePoint P=0.885, adj. TimePoint P=0.951  
InOut P=0.374, adj. InOut P=0.824  
TimePoint:InOut P=0.569, adj. TimePoint:InOut P=0.995

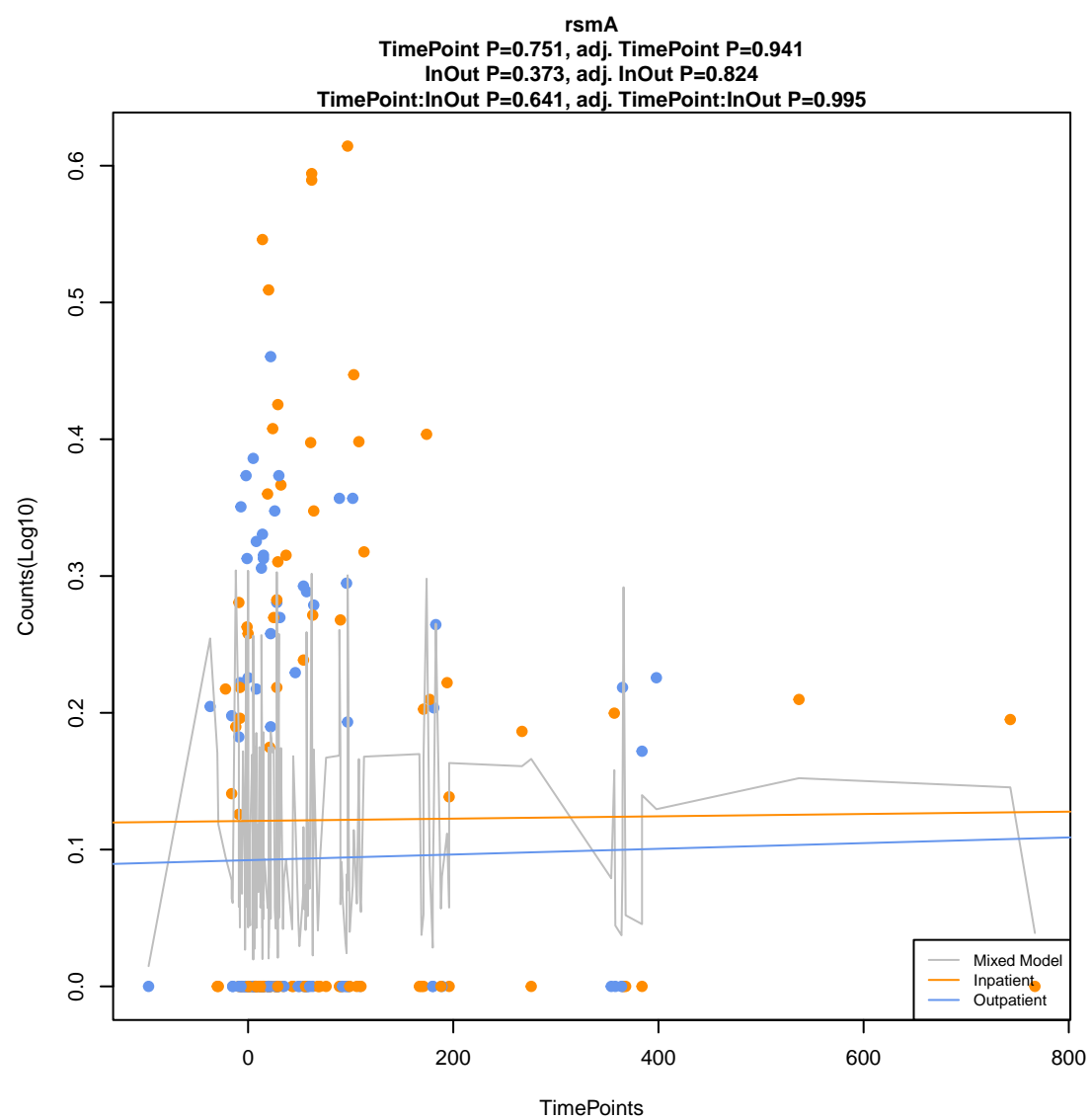
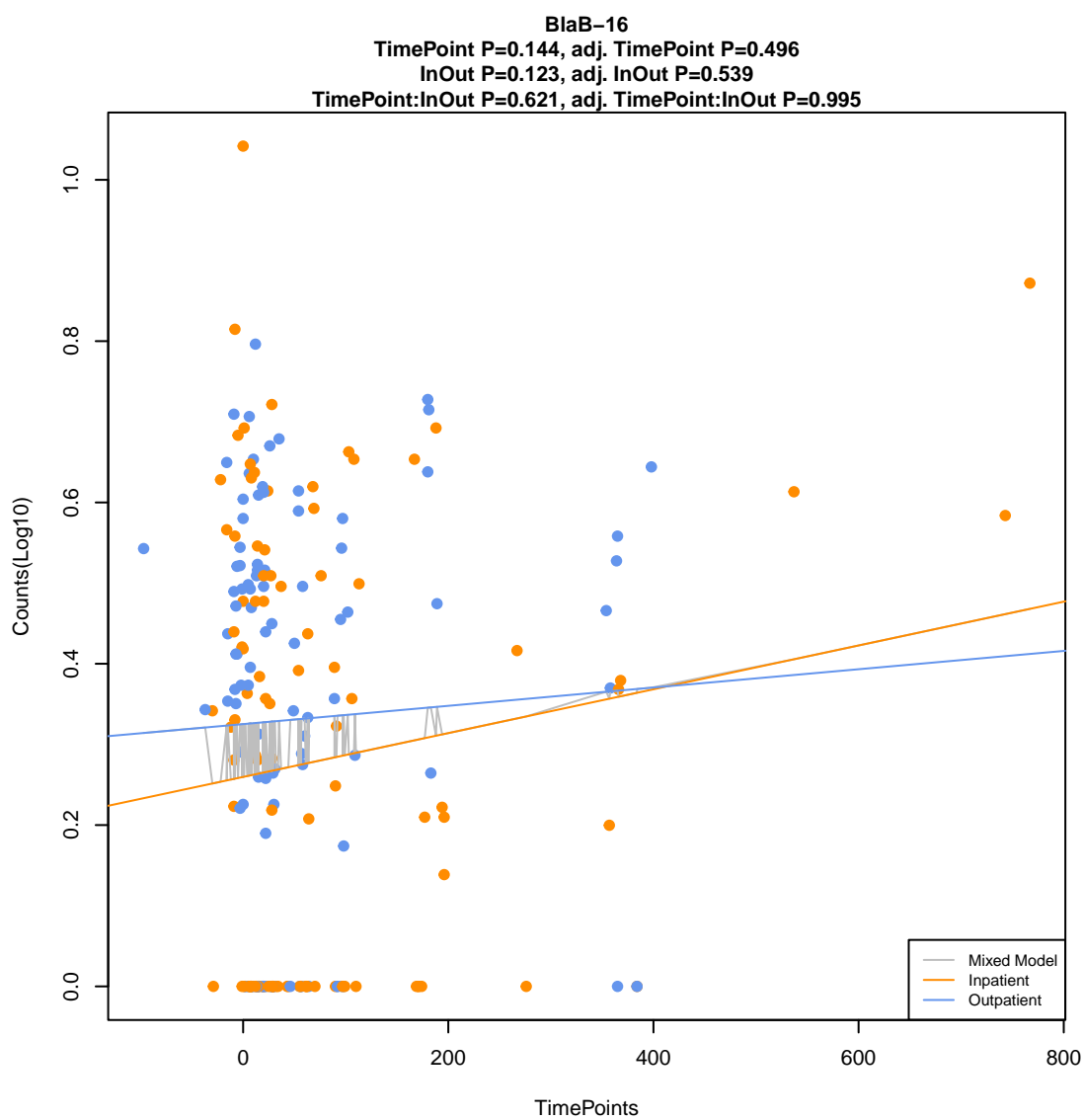
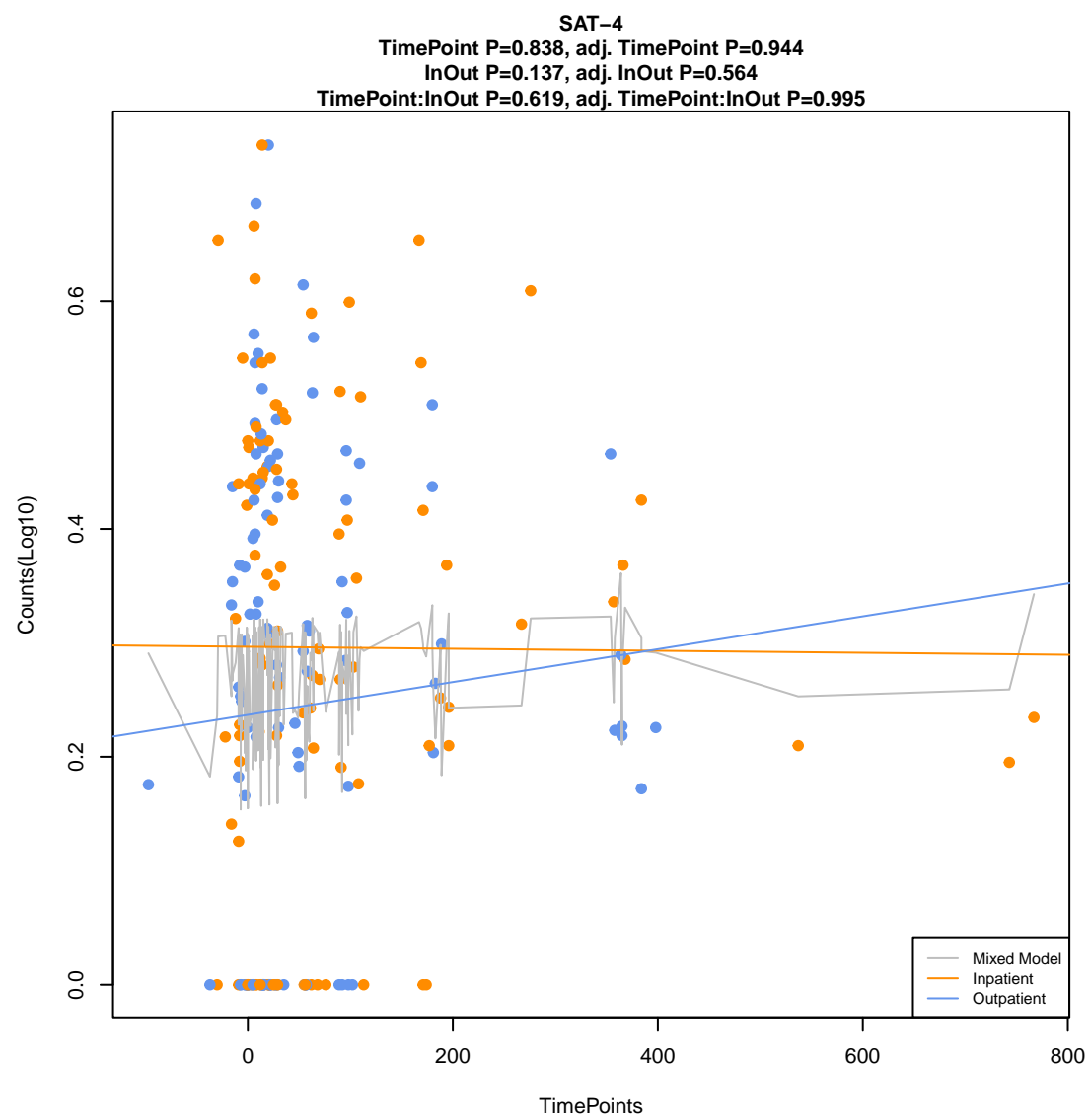
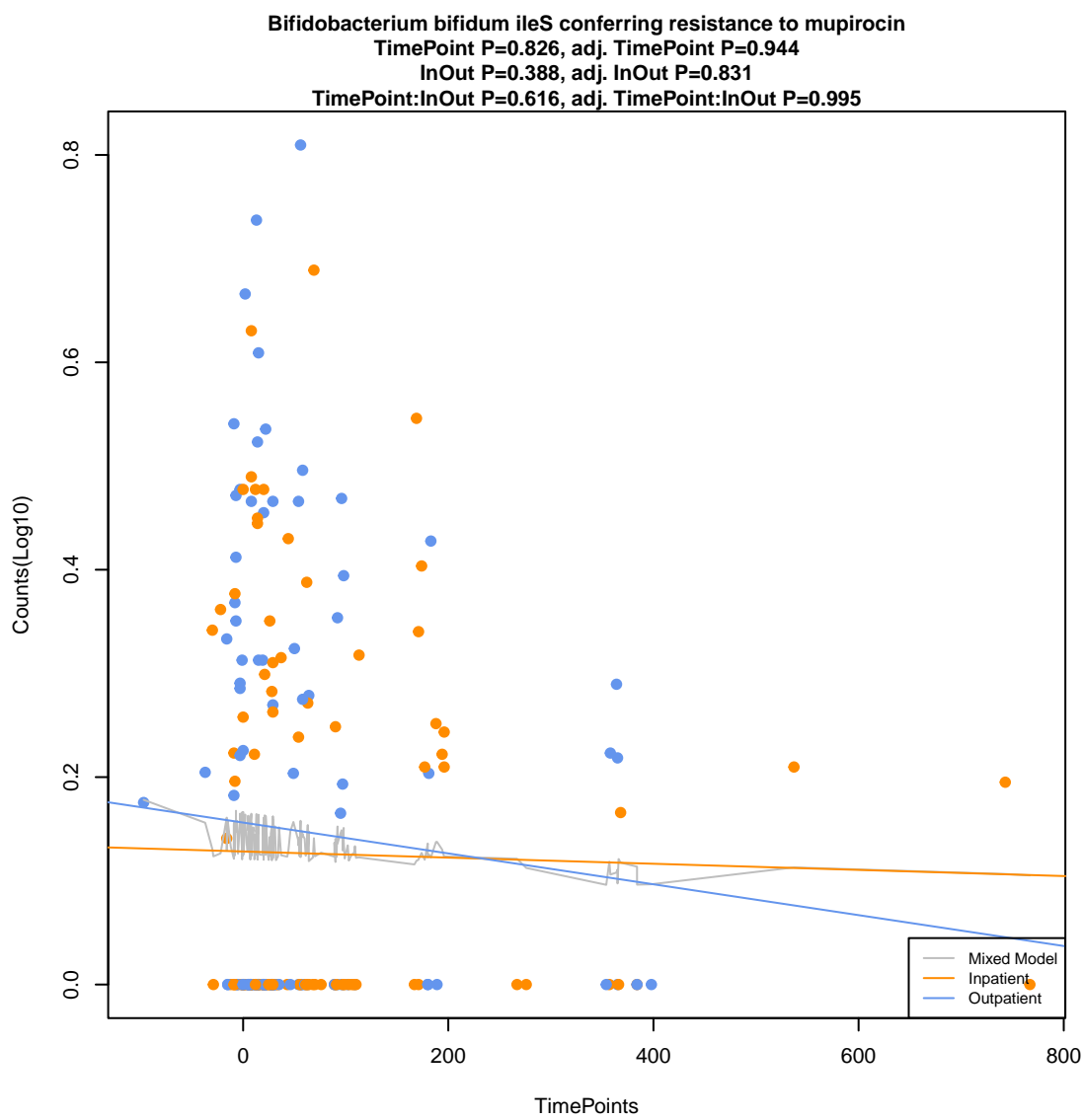
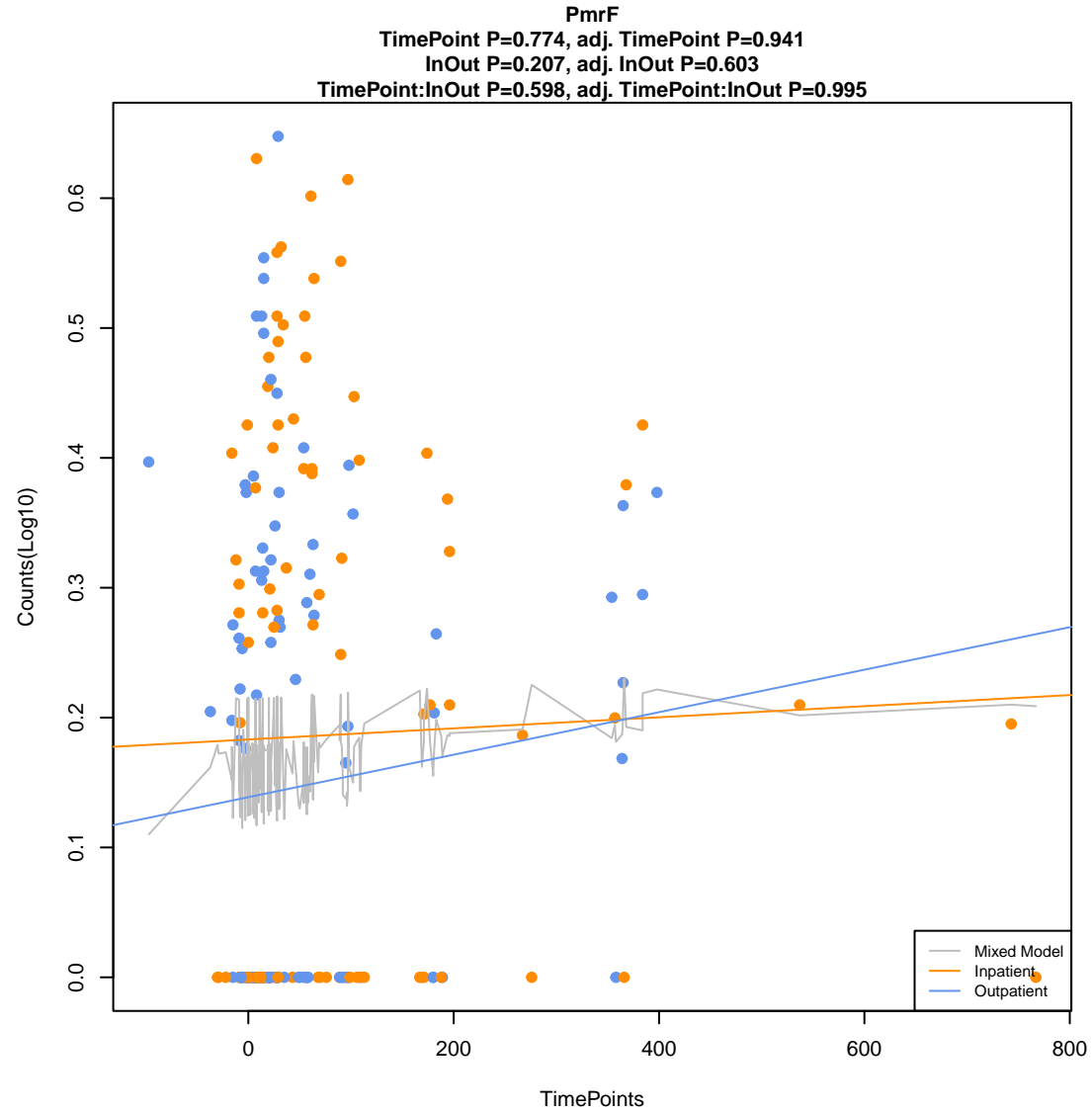
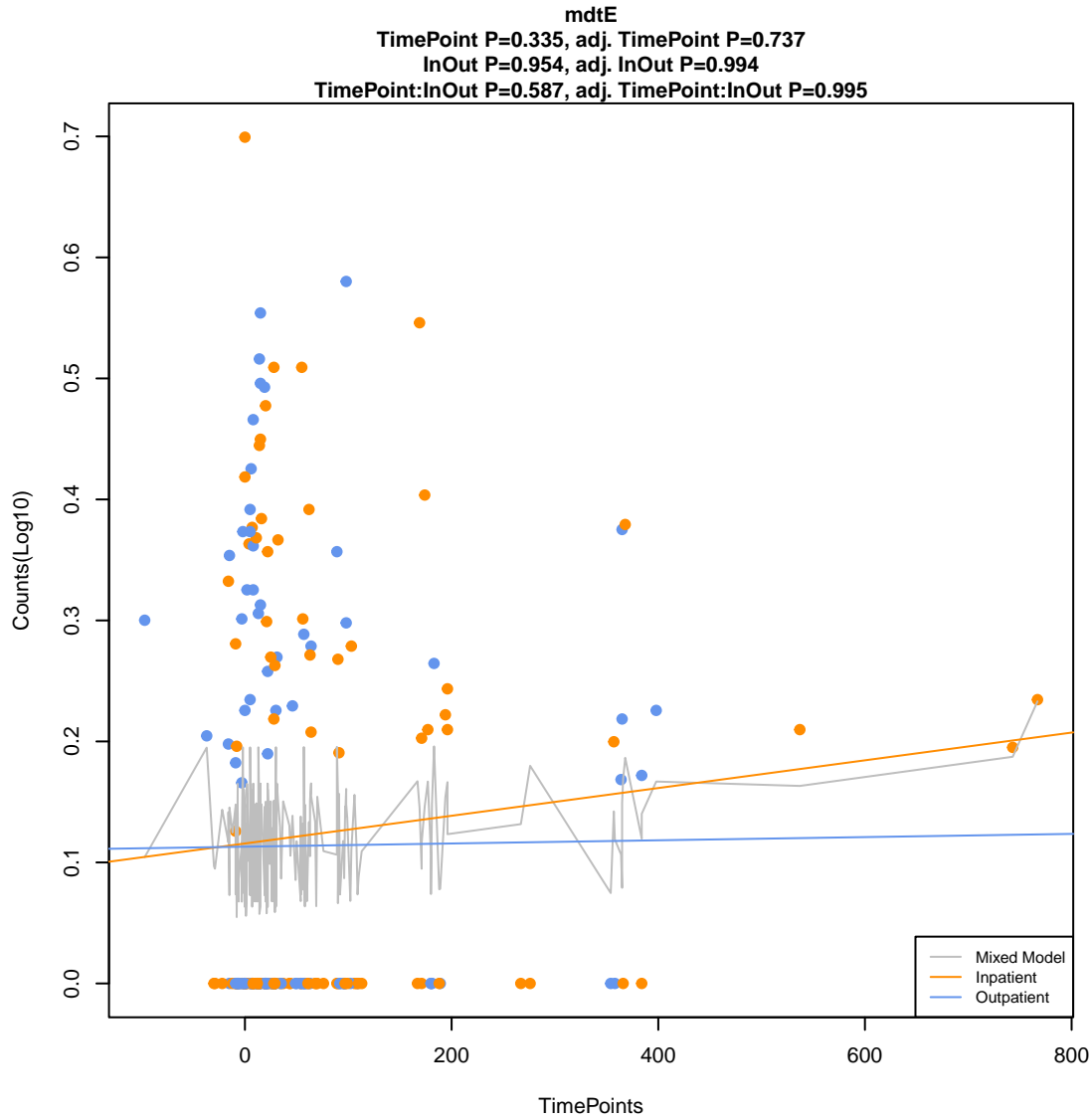


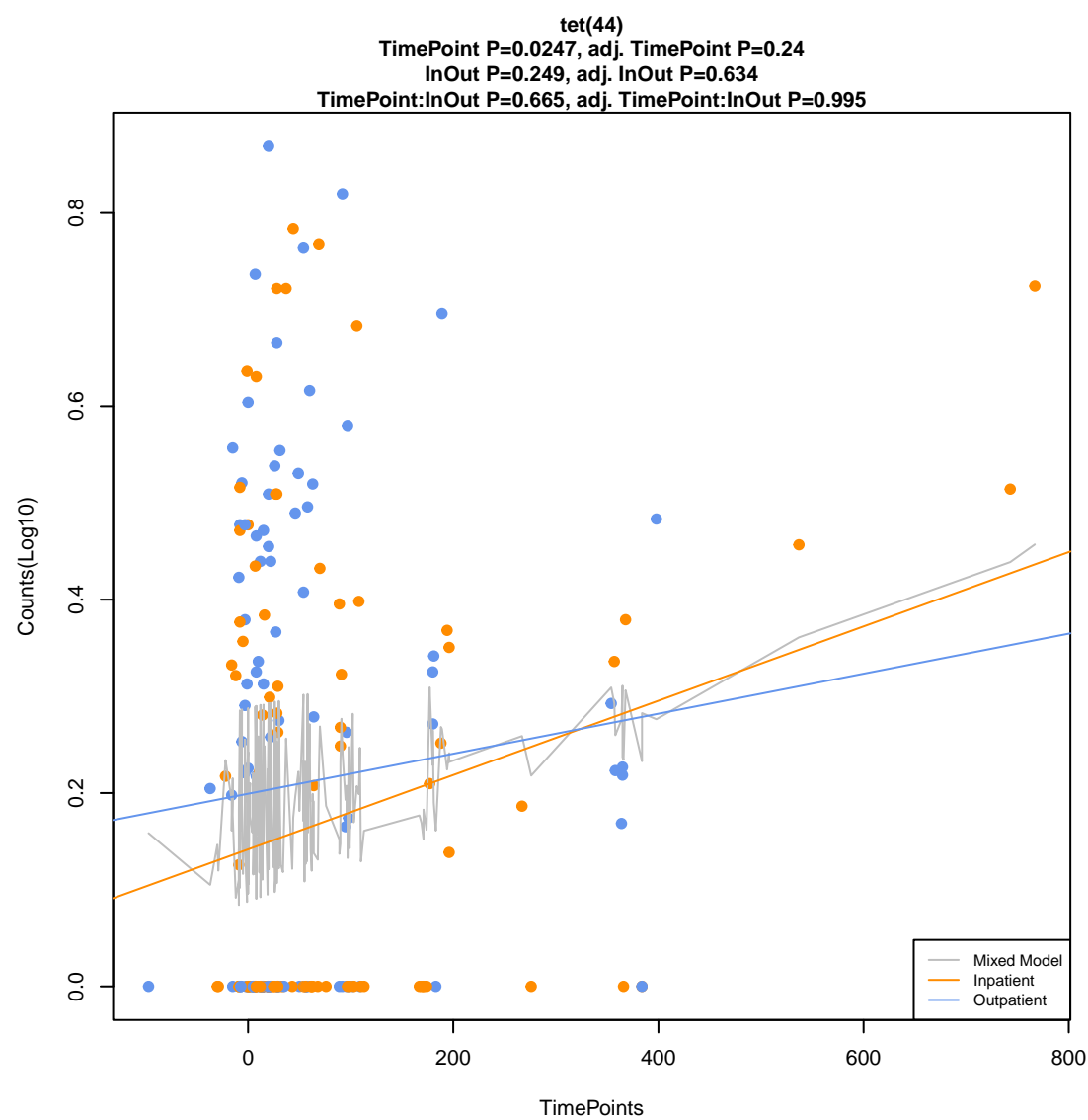
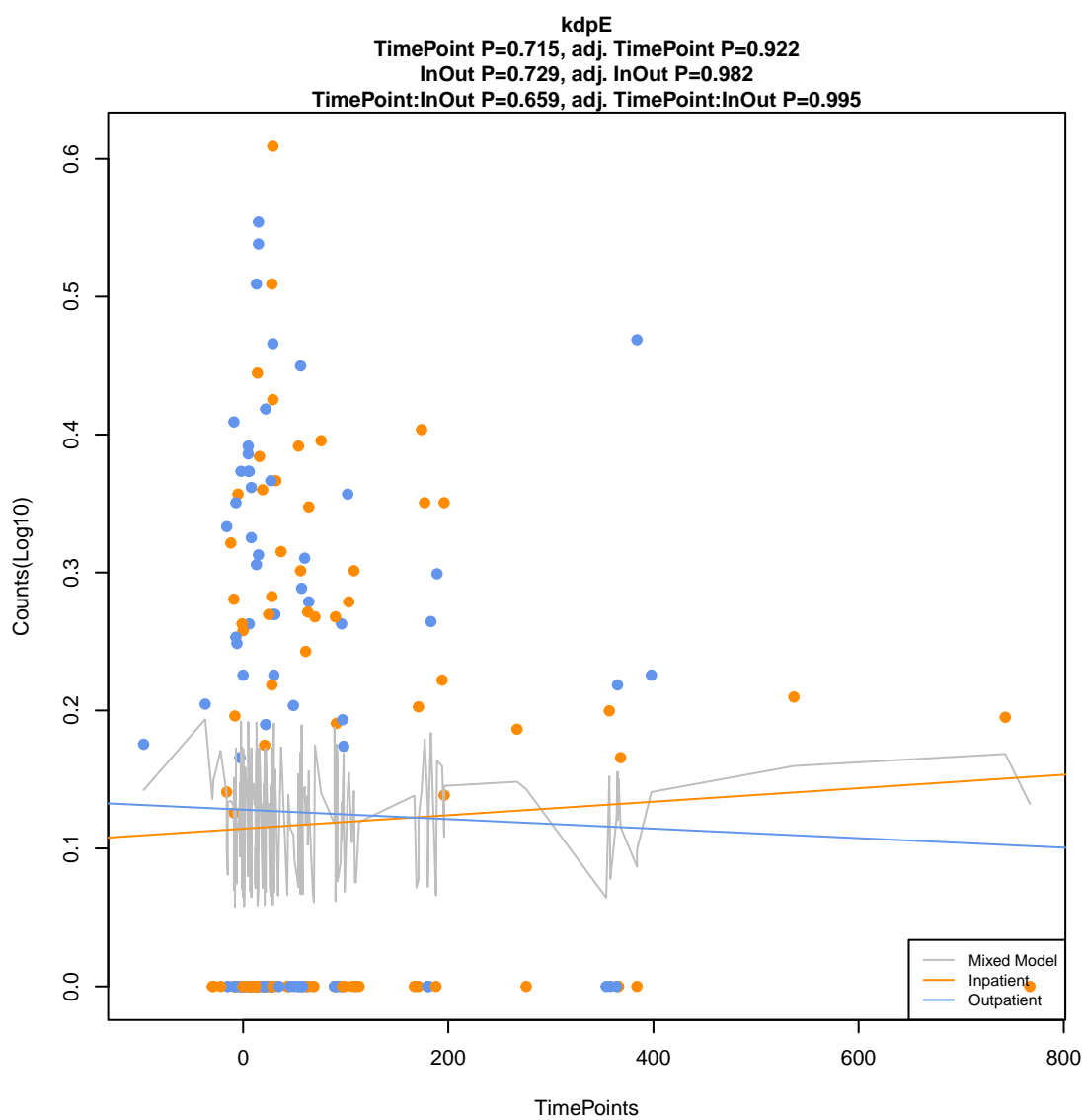
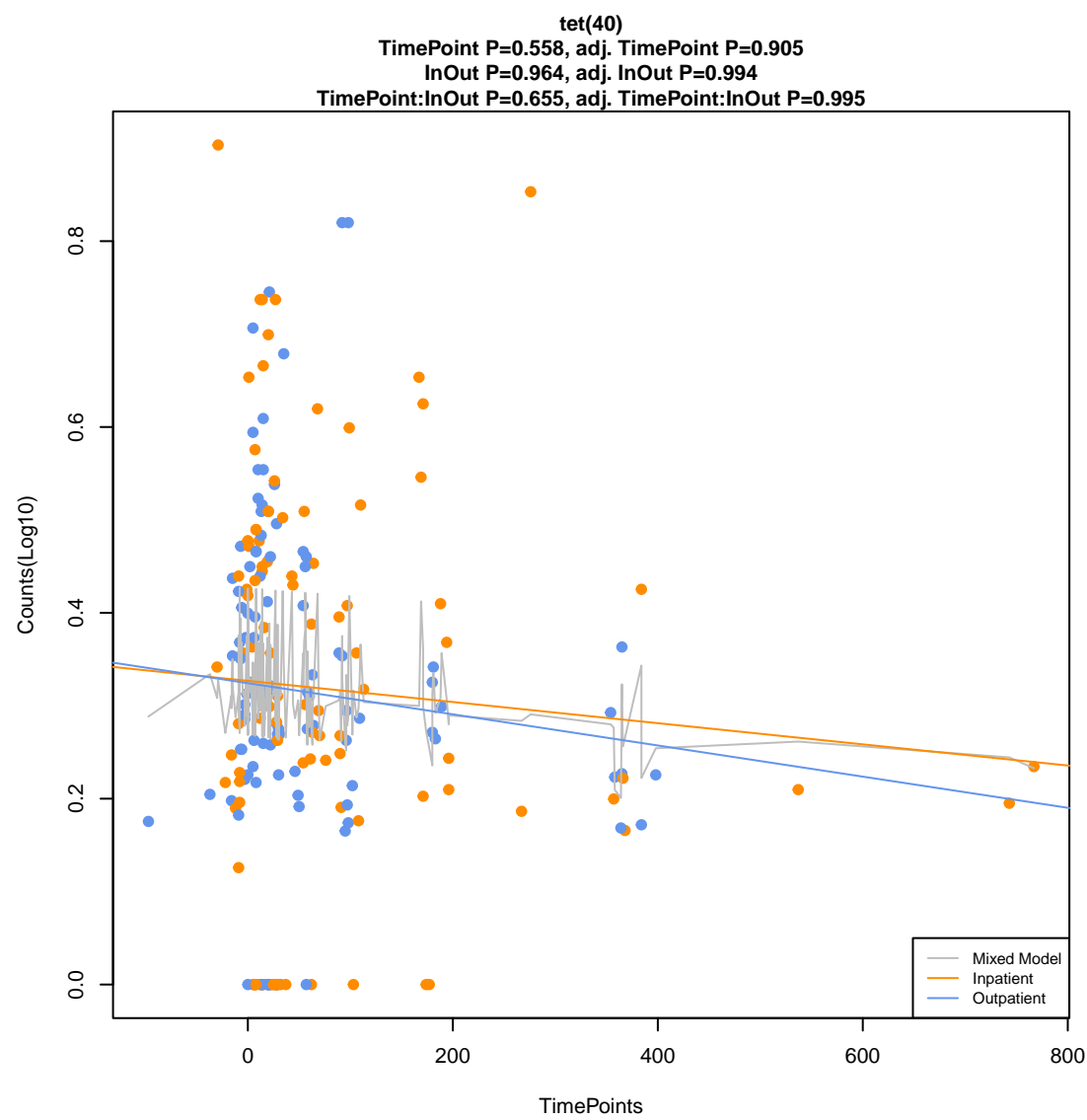
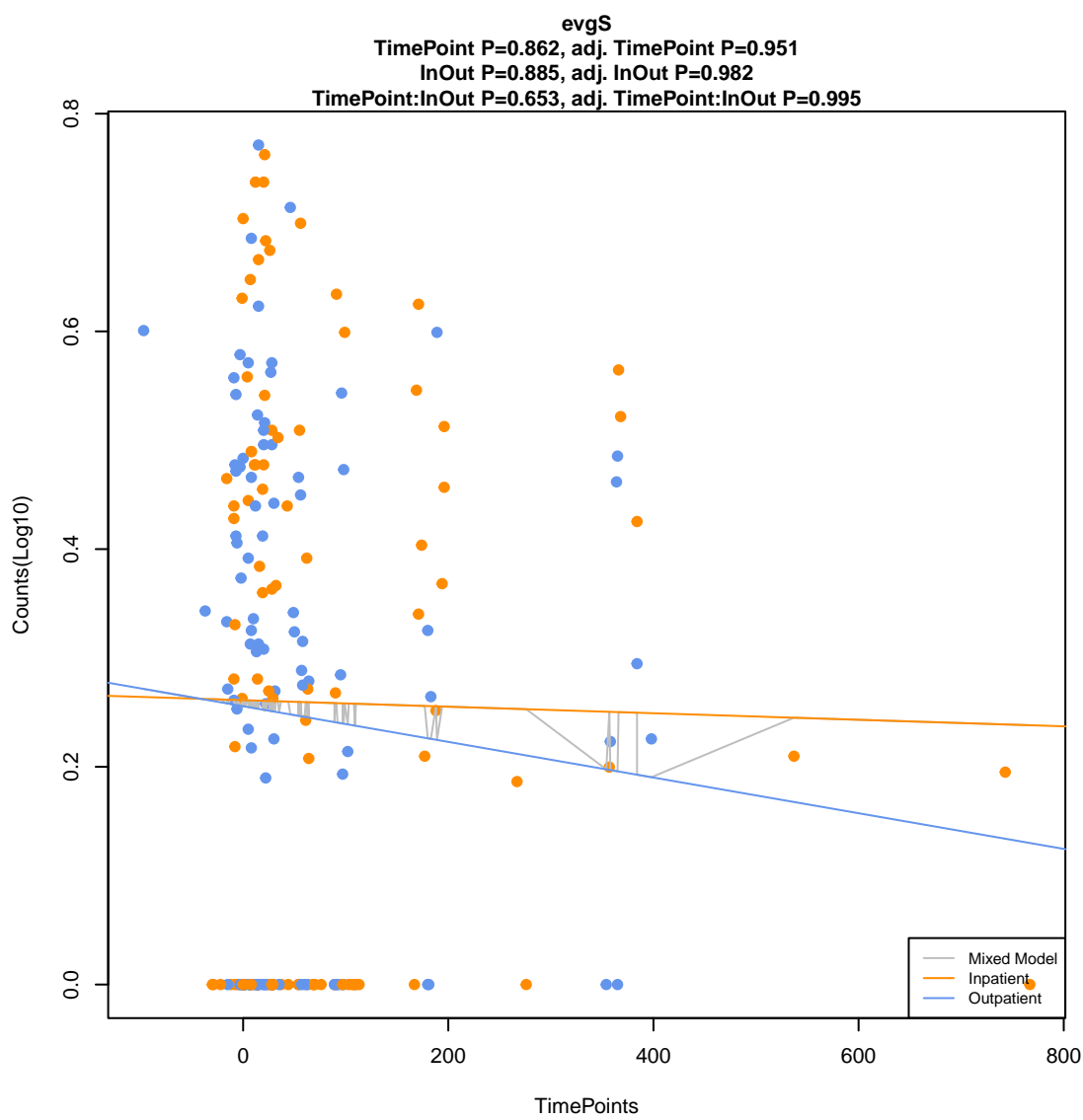
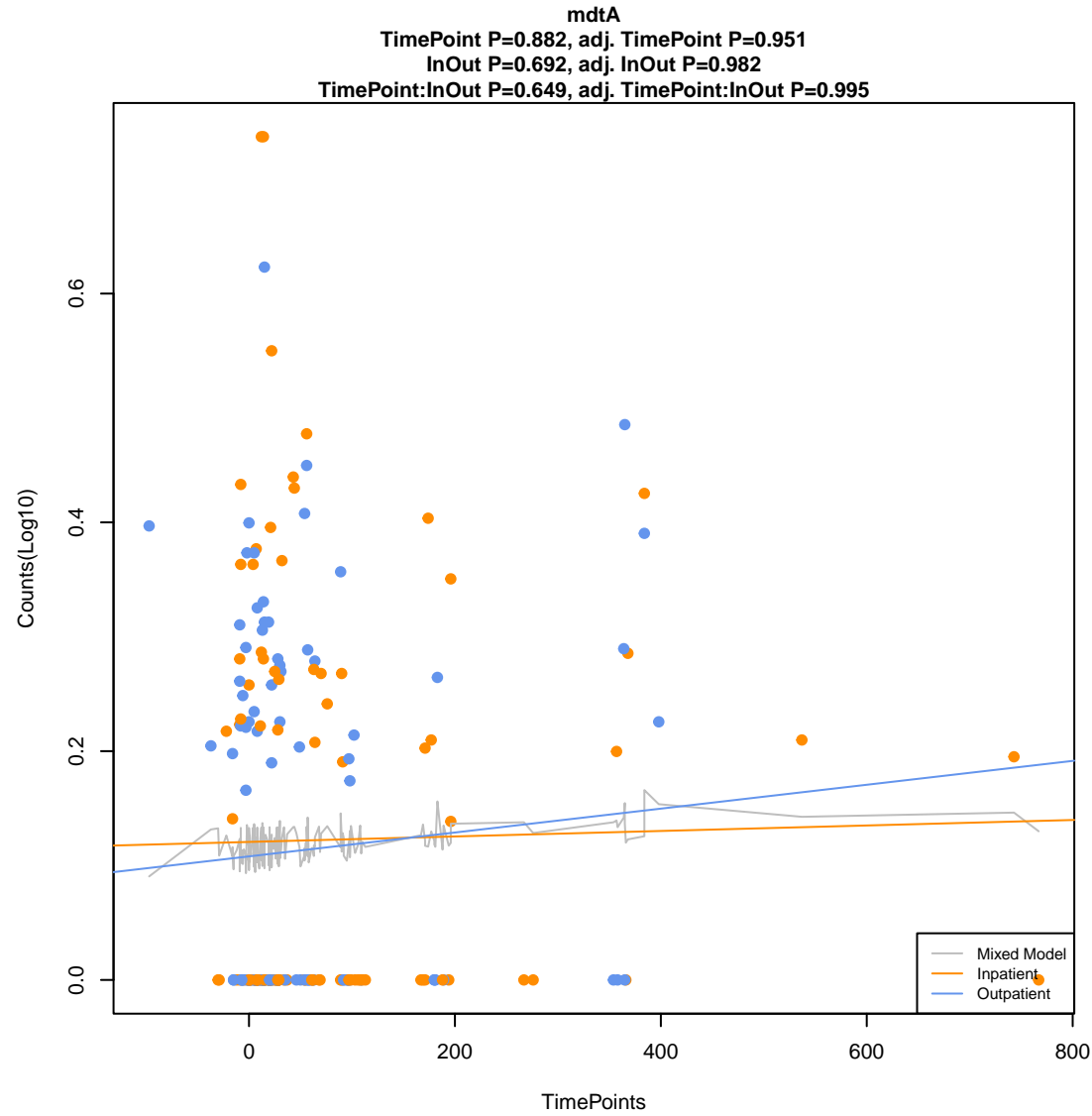
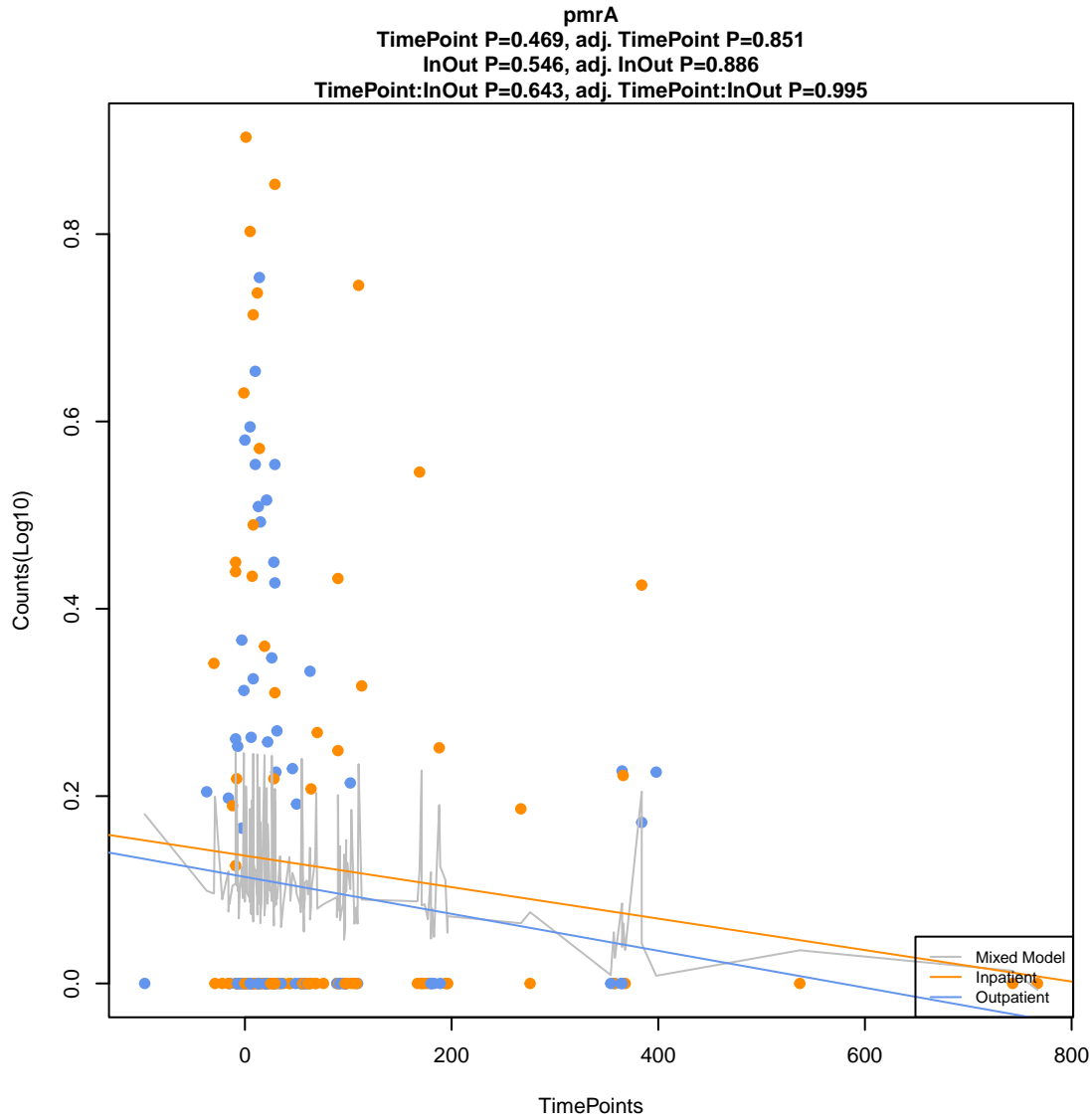
PDC-402

TimePoint P=0.642, adj. TimePoint P=0.914  
InOut P=0.126, adj. InOut P=0.539  
TimePoint:InOut P=0.573, adj. TimePoint:InOut P=0.995

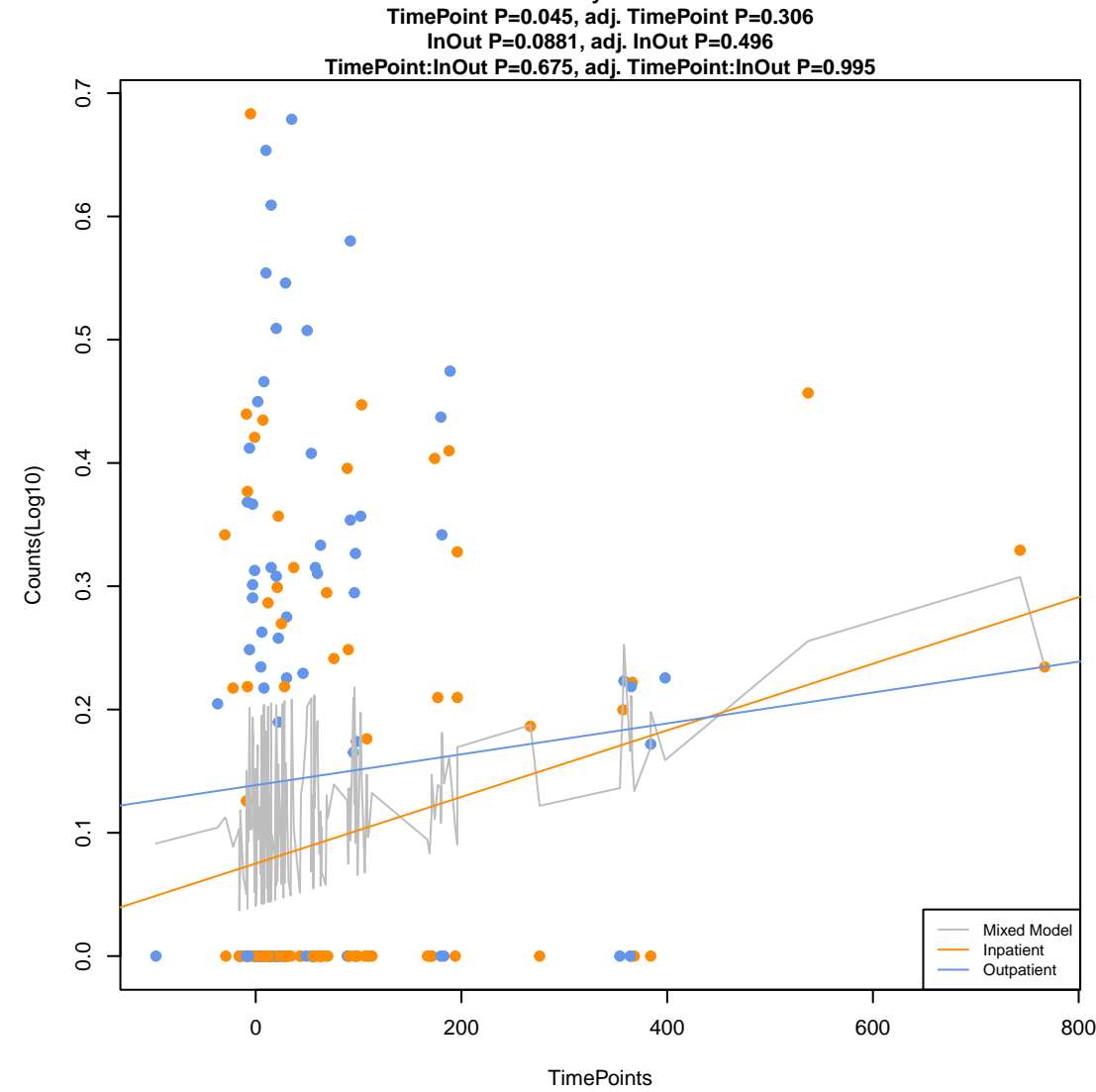




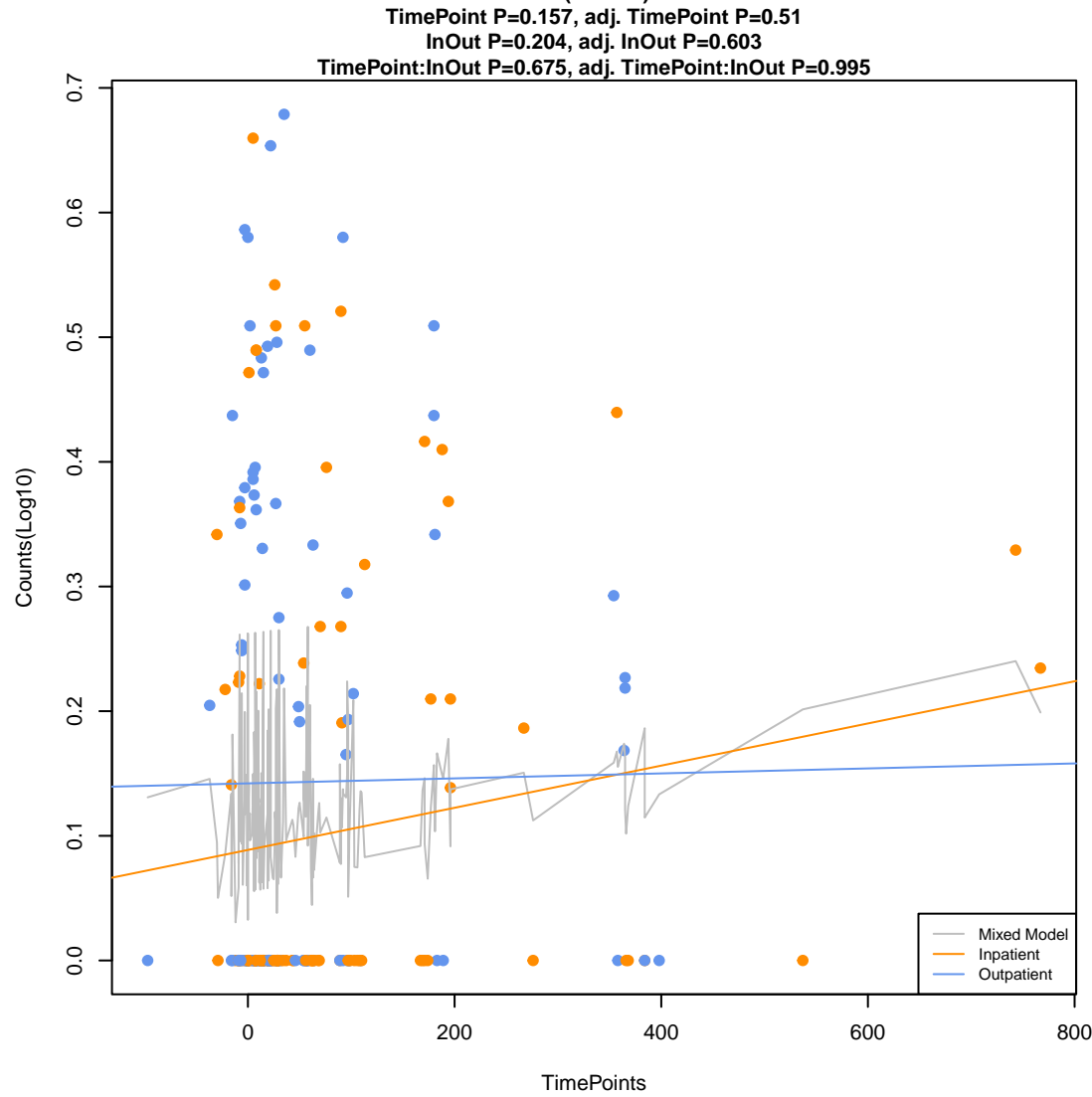




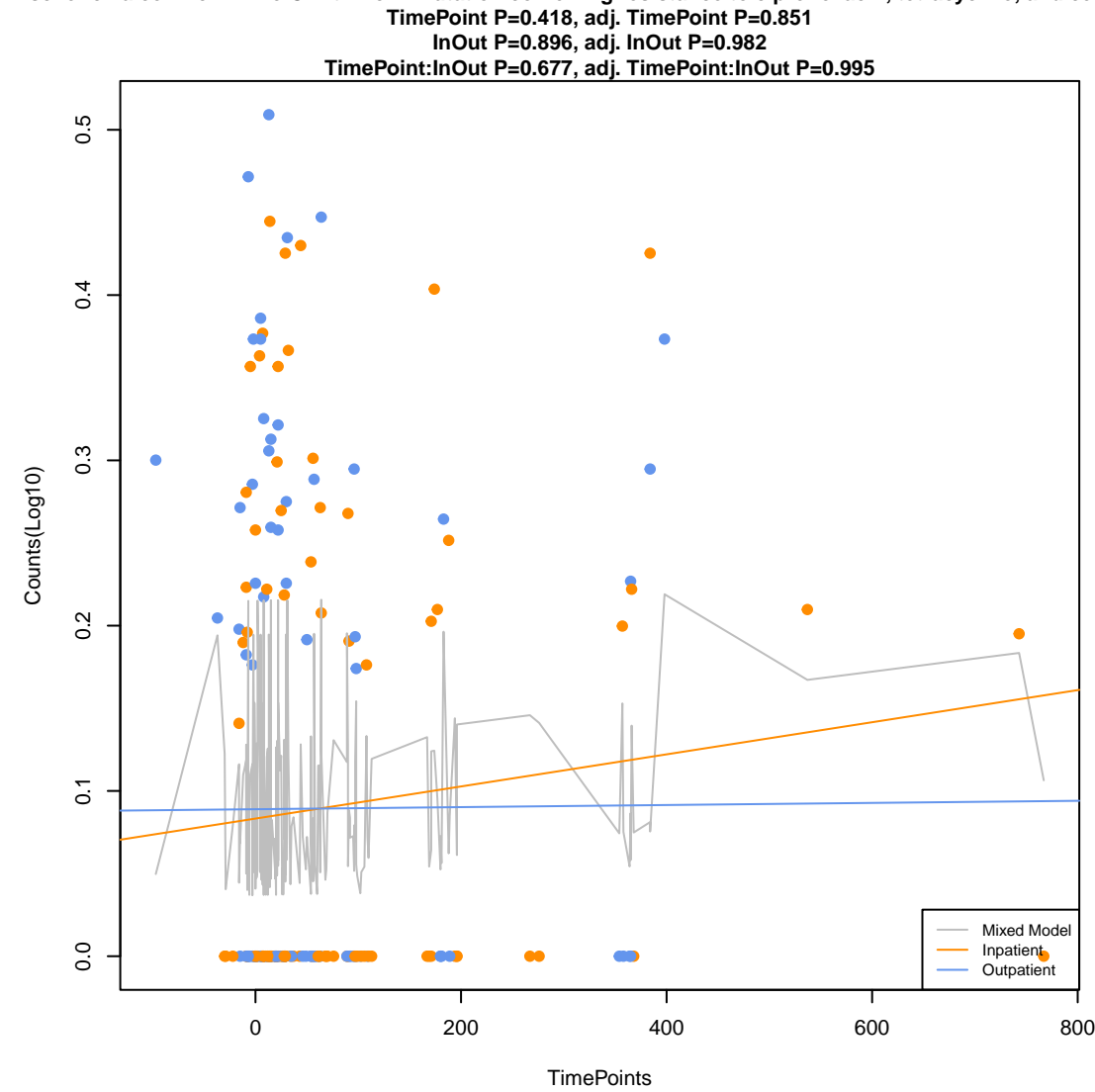
myrA



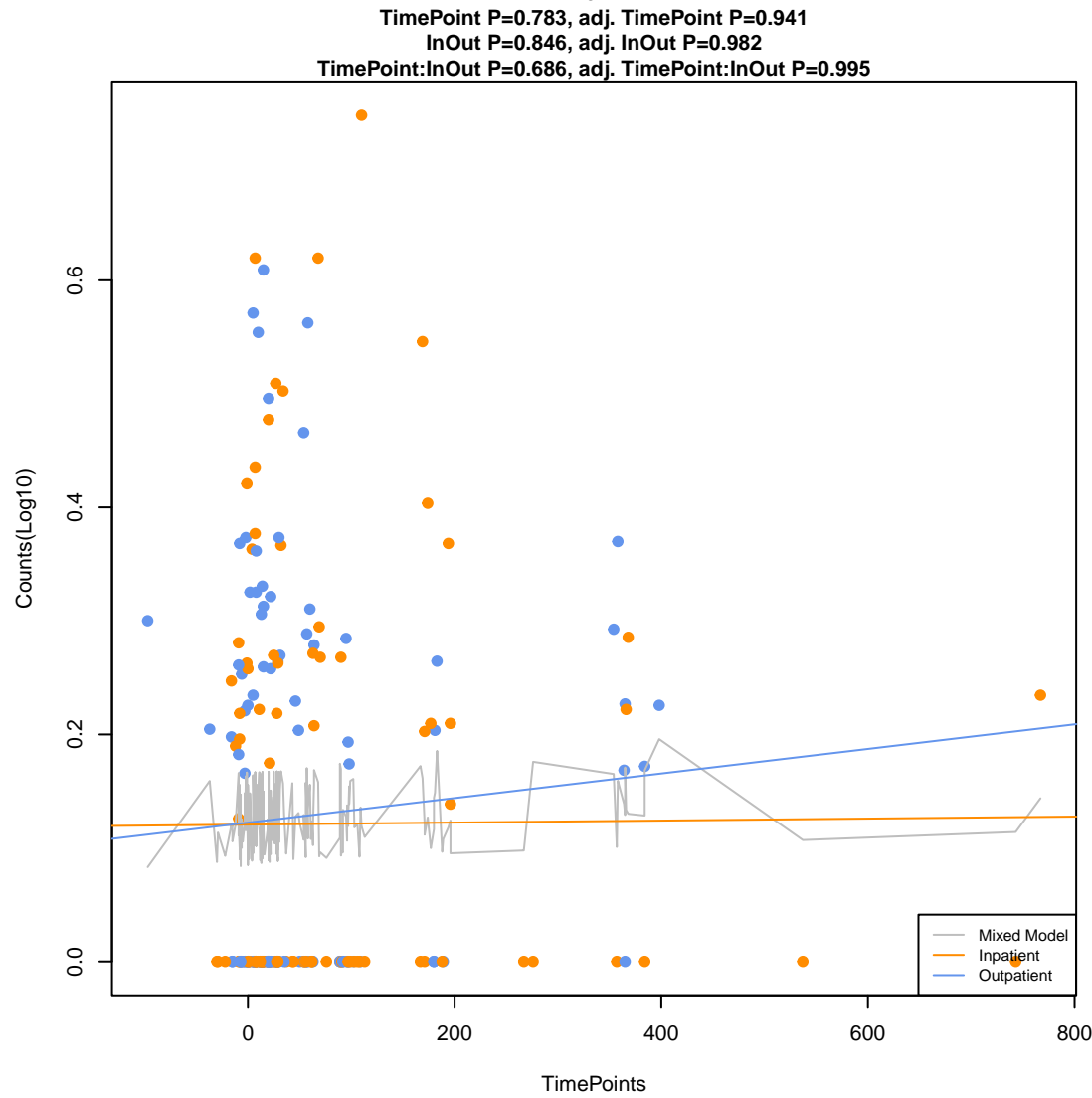
tet(W/32/O)



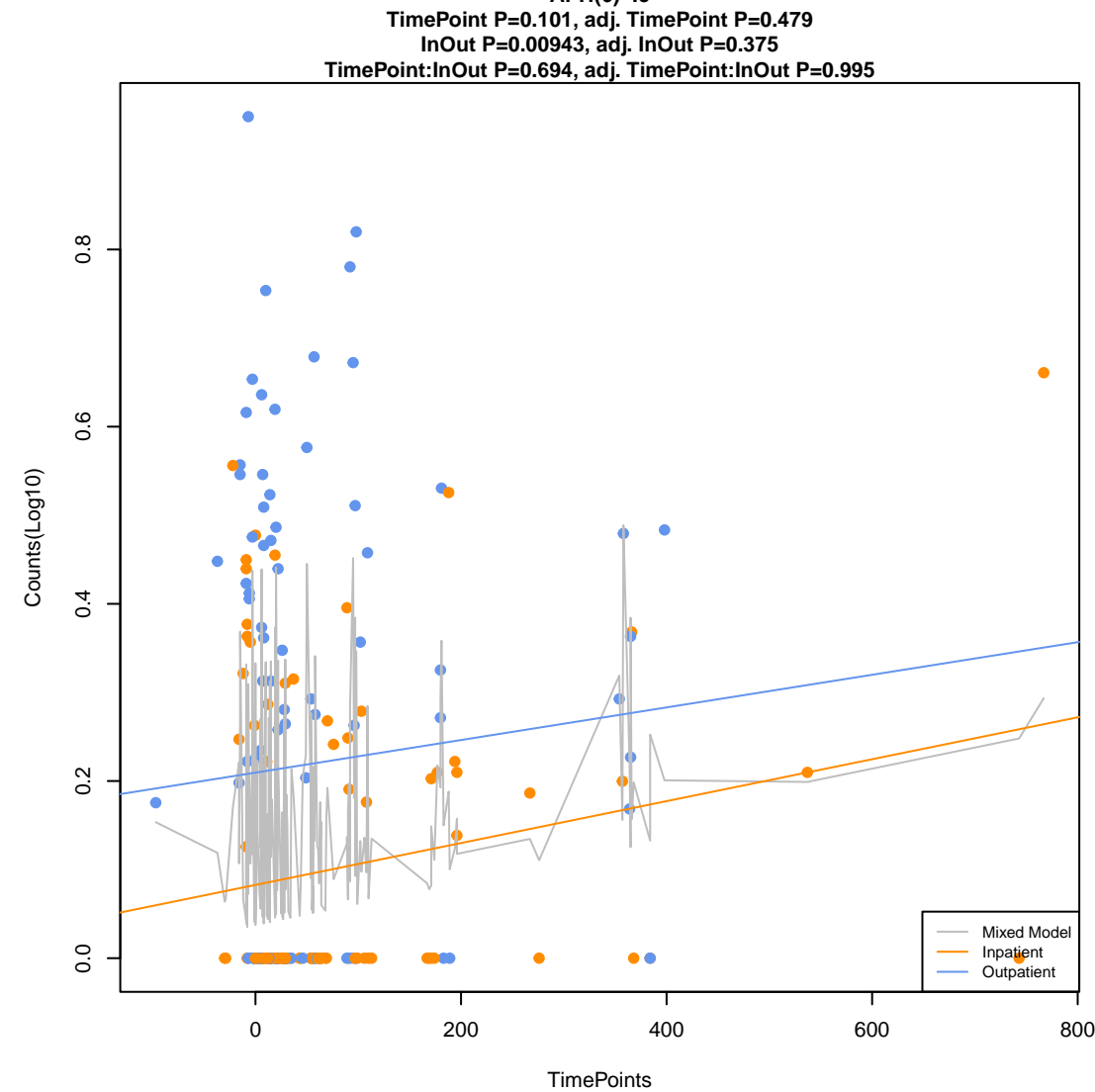
*Escherichia coli* AcrAB–TolC with AcrR mutation conferring resistance to ciprofloxacin, tetracycline, and ceft



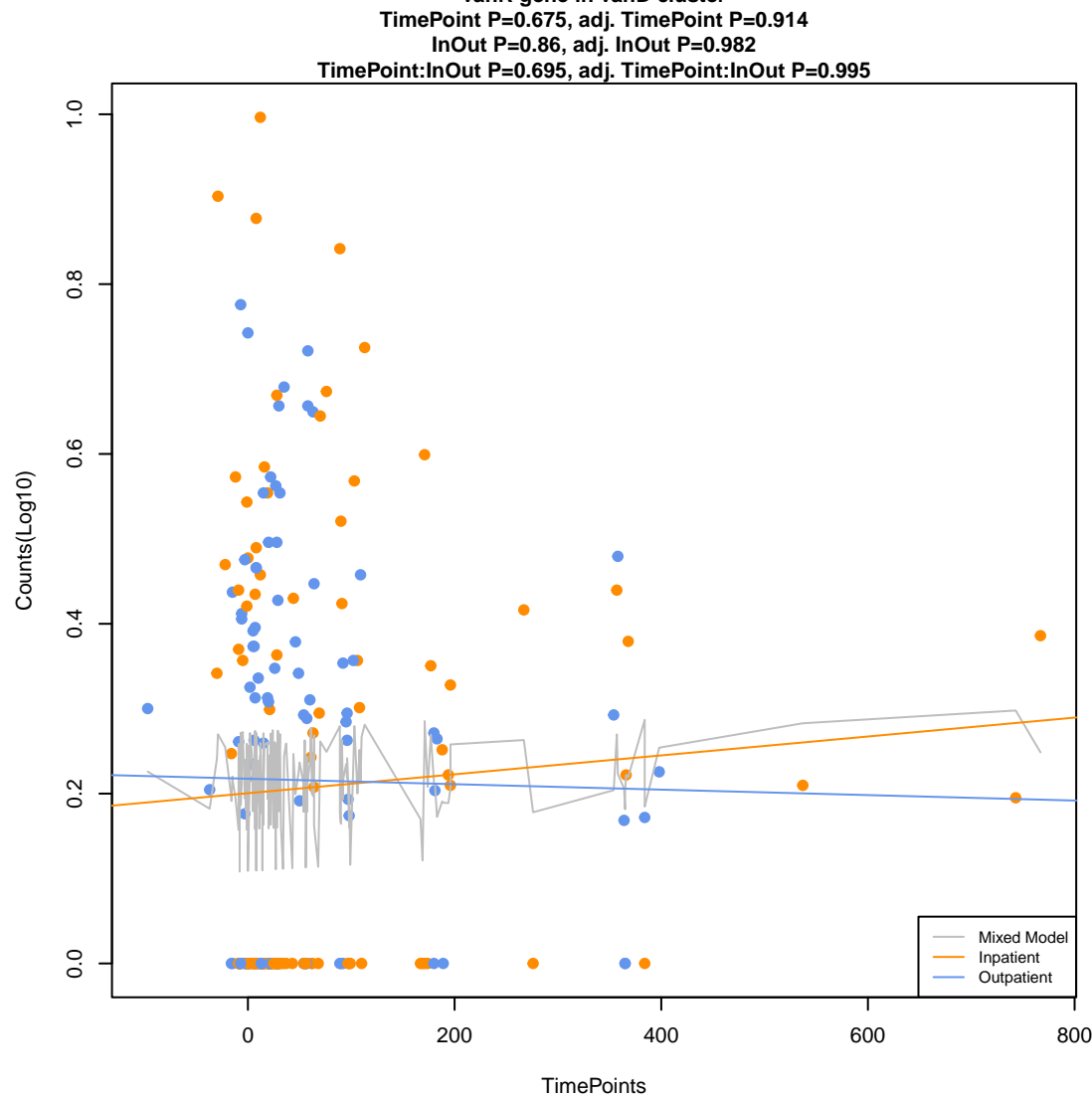
AcrE

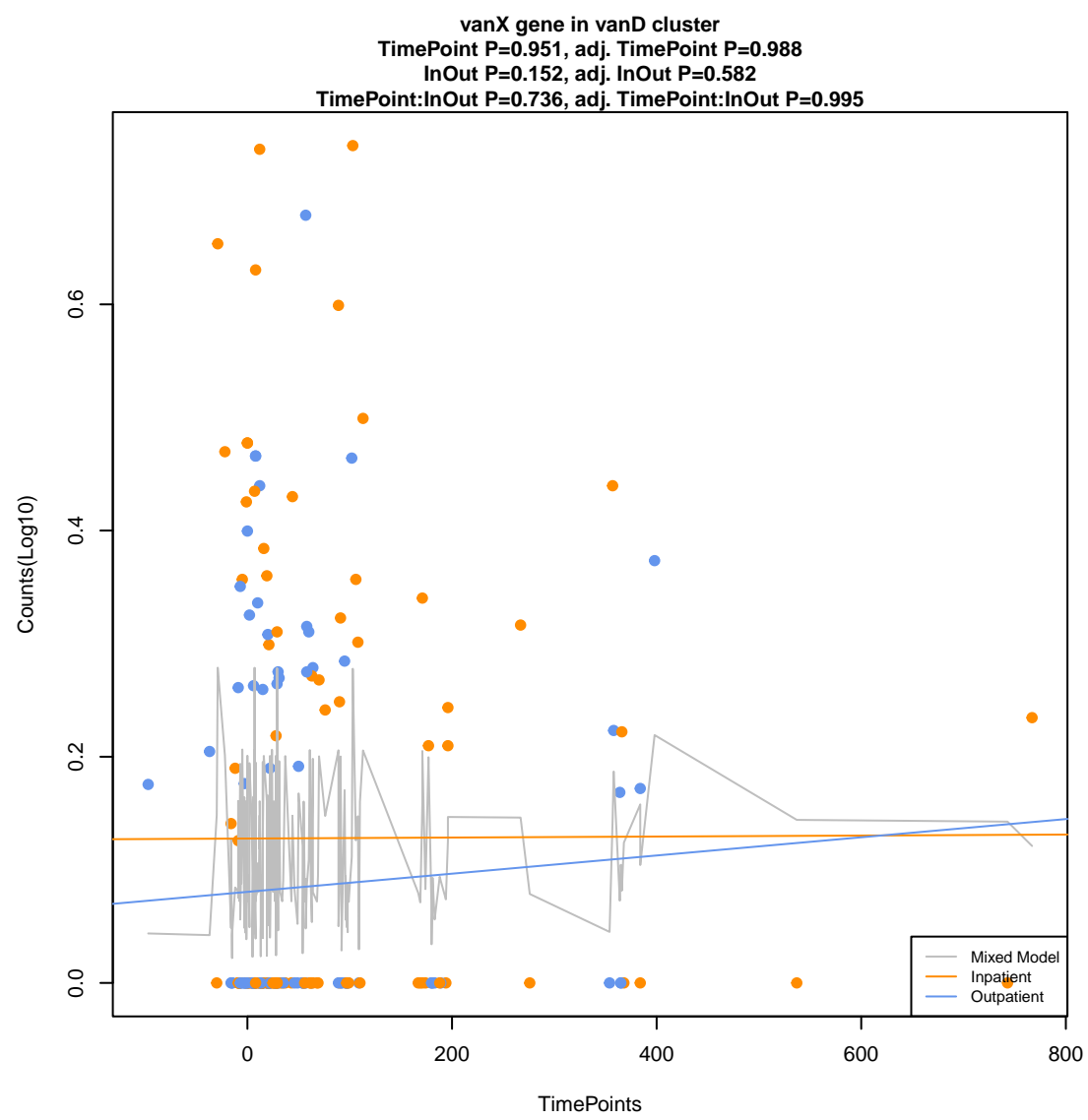
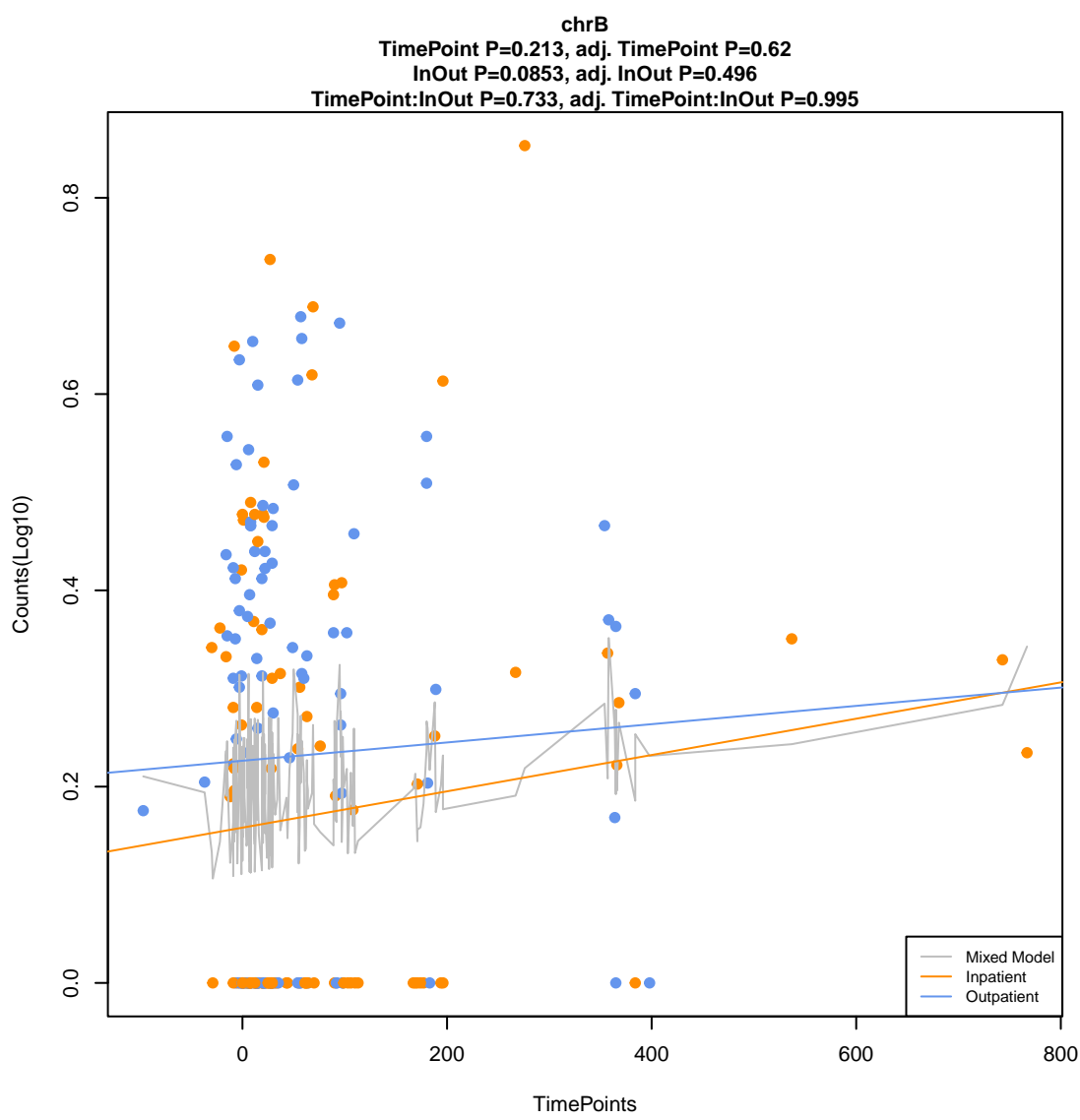
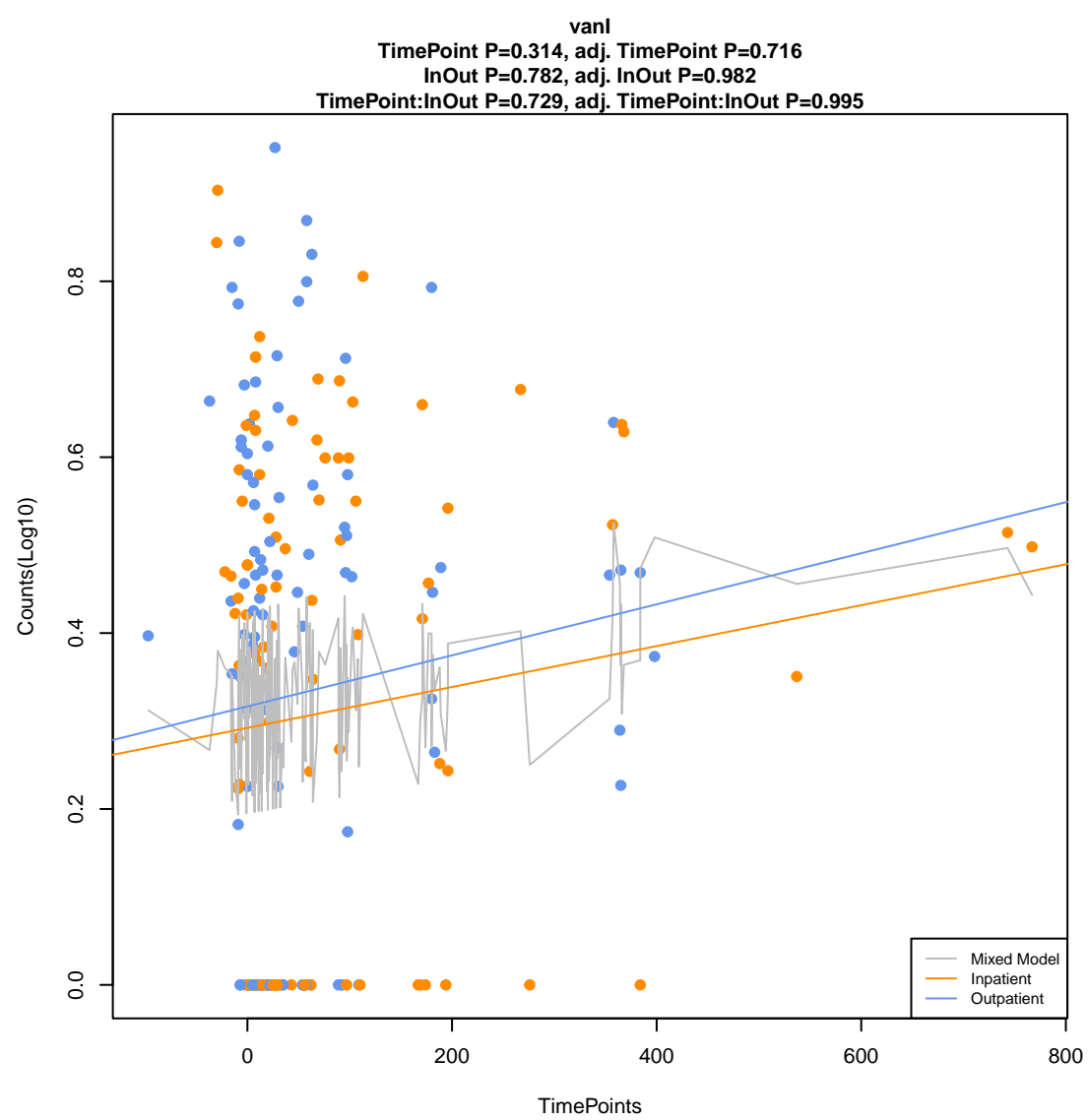
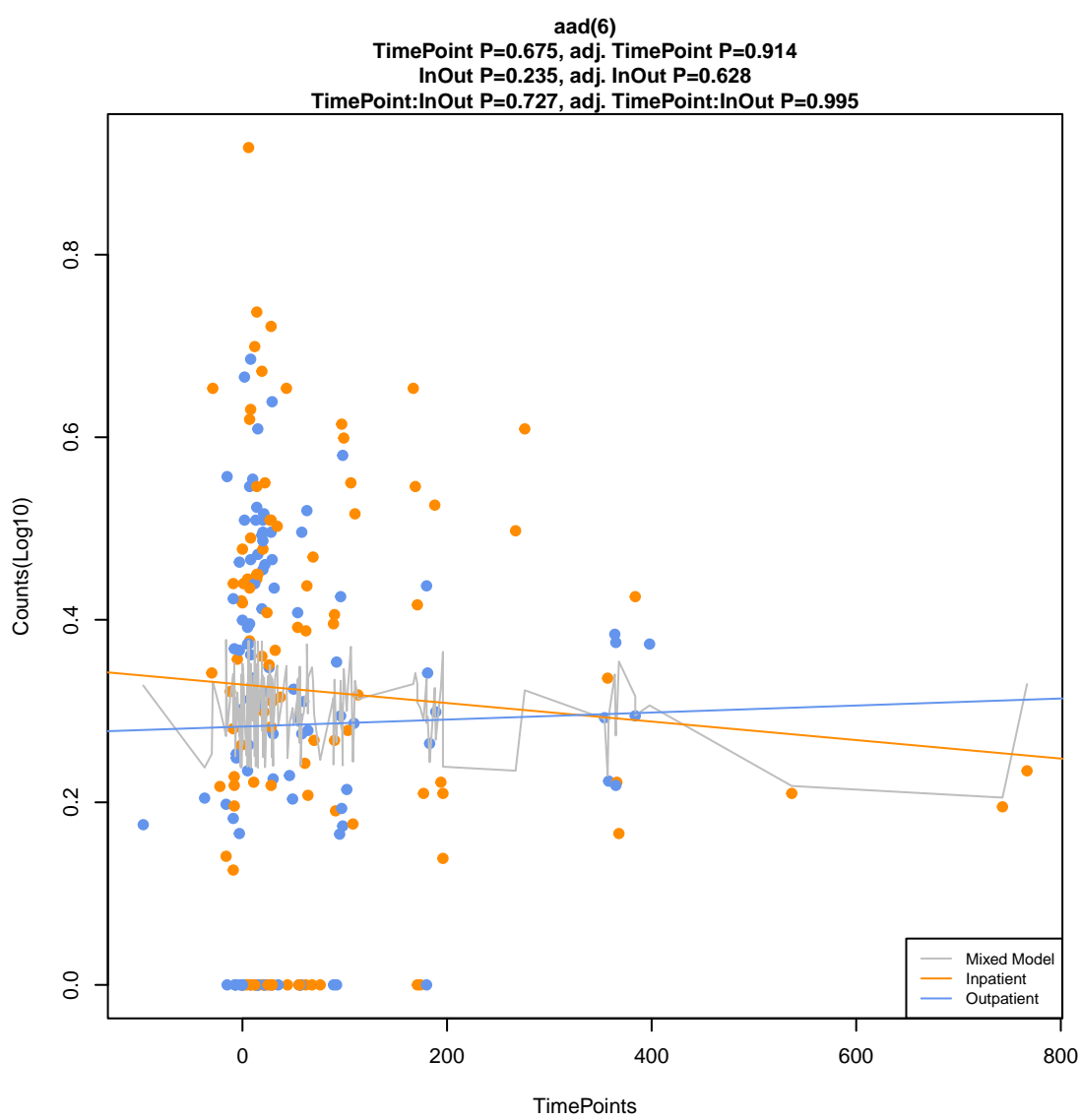
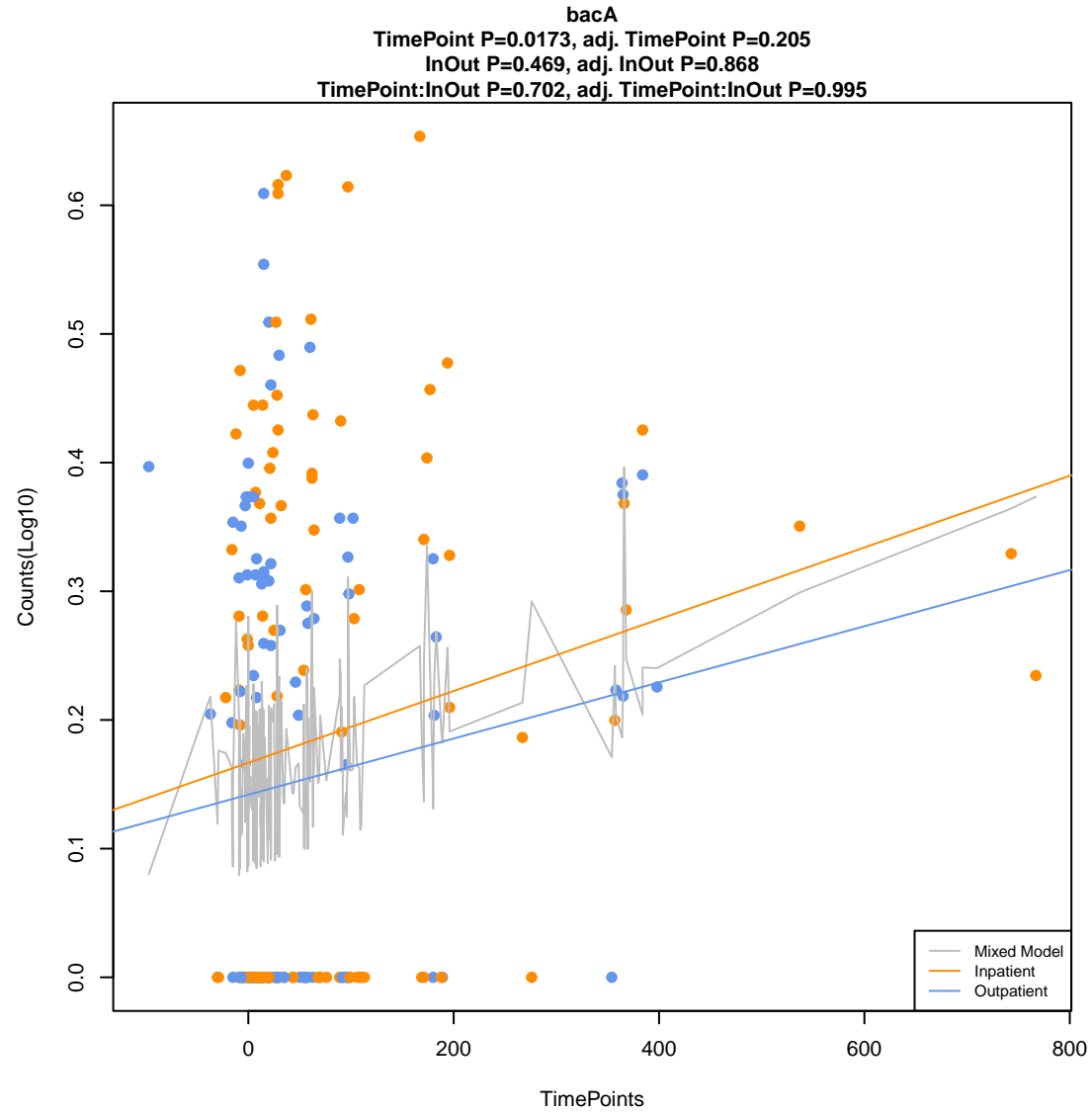
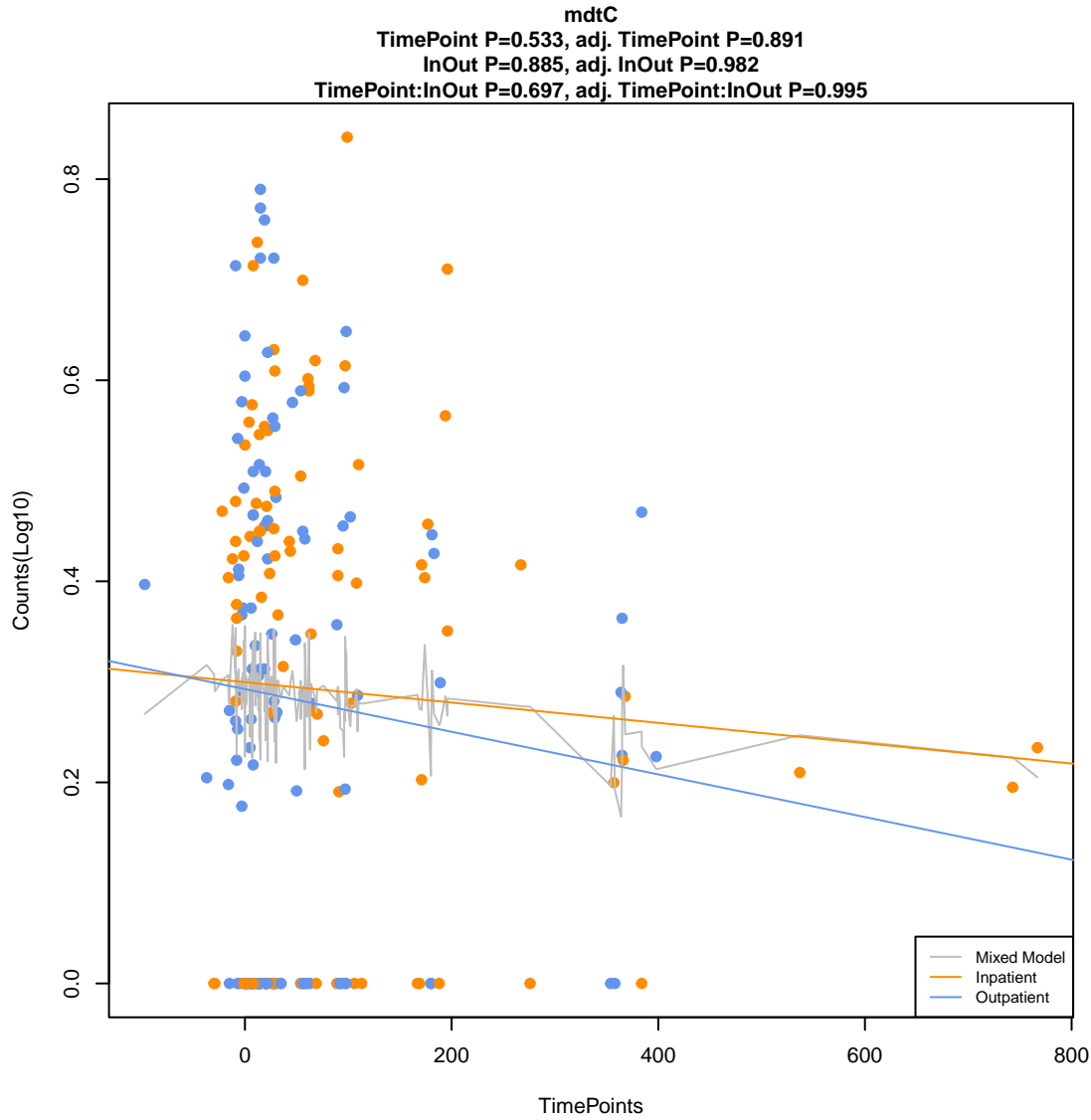


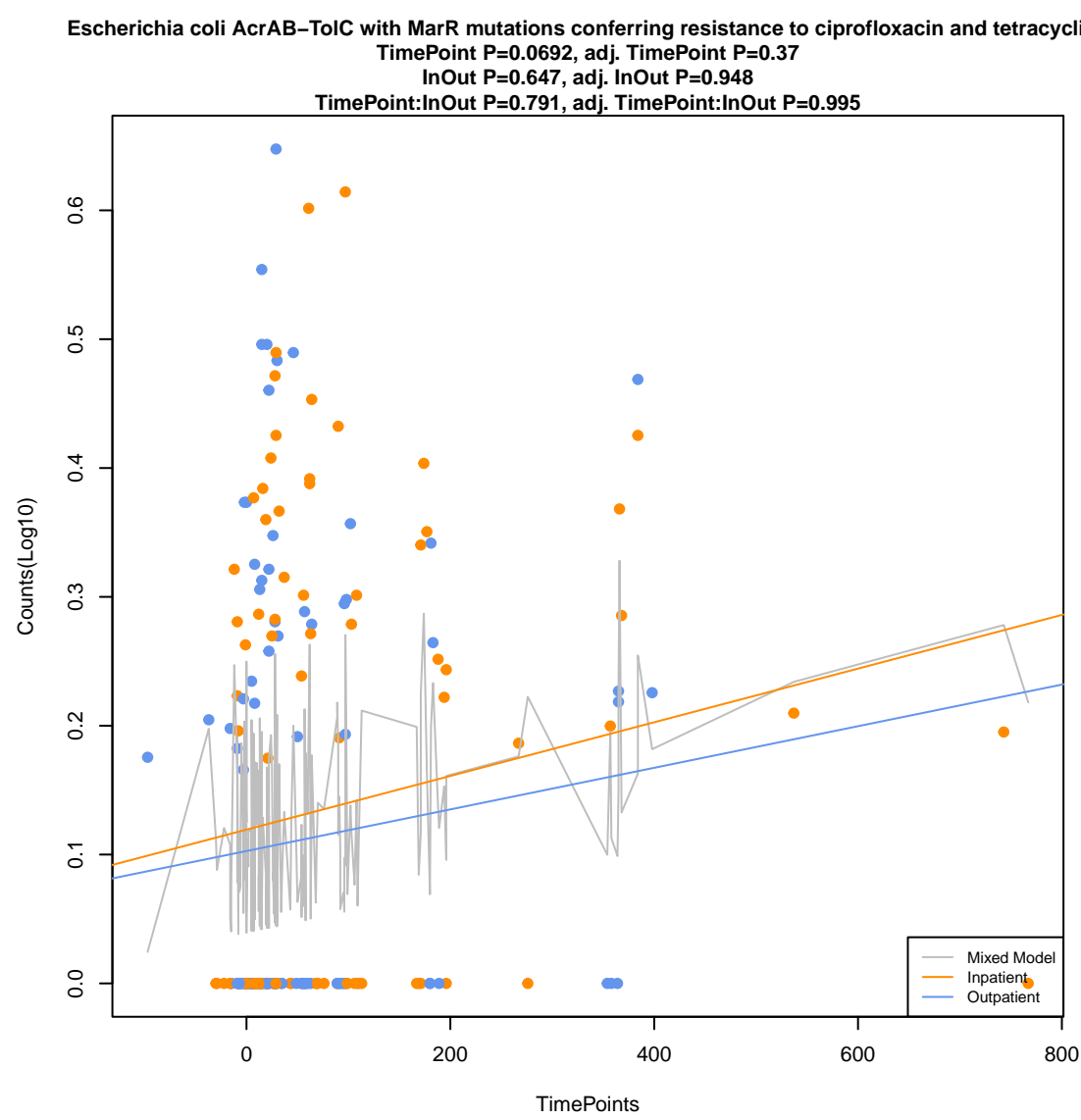
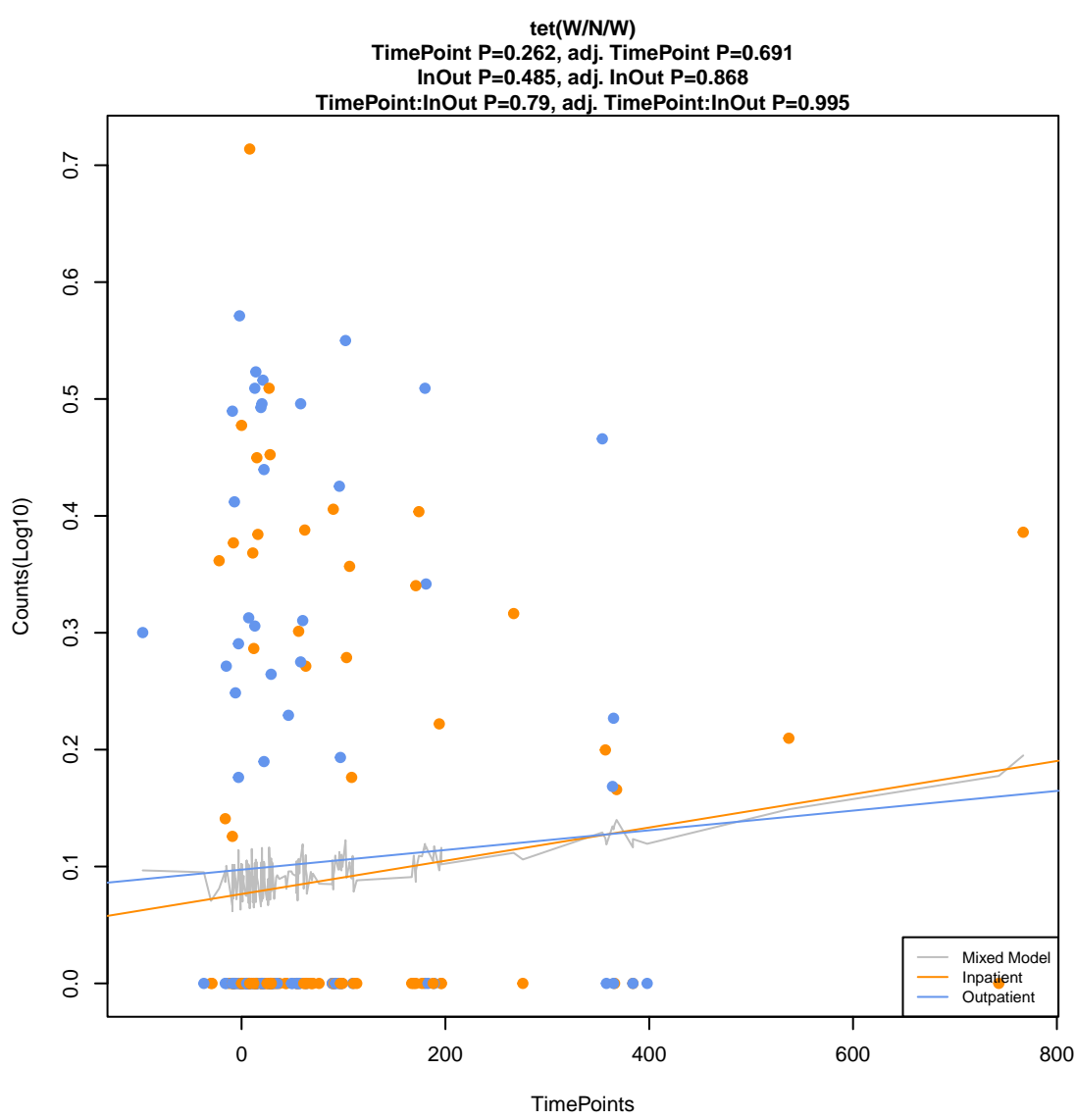
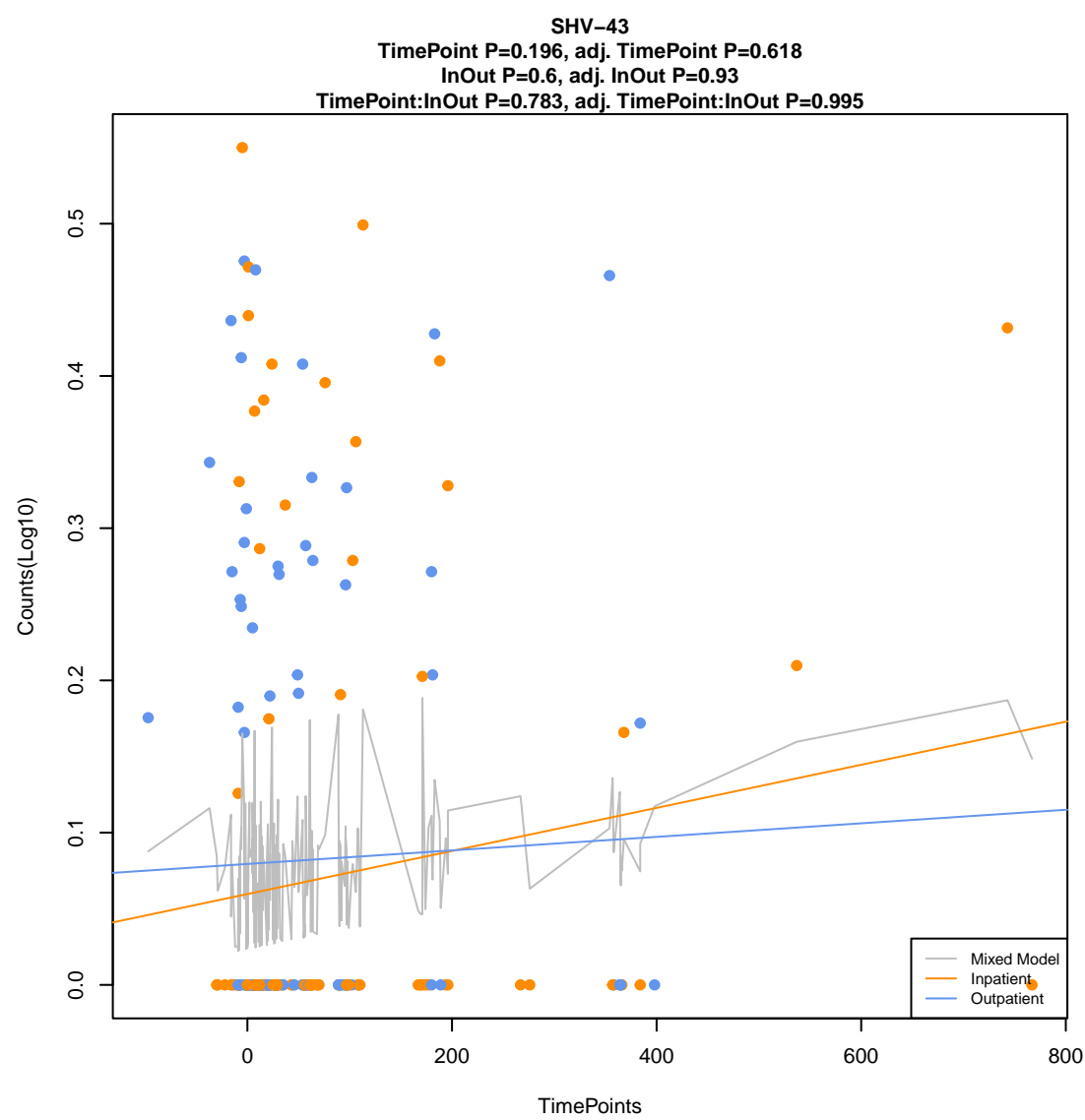
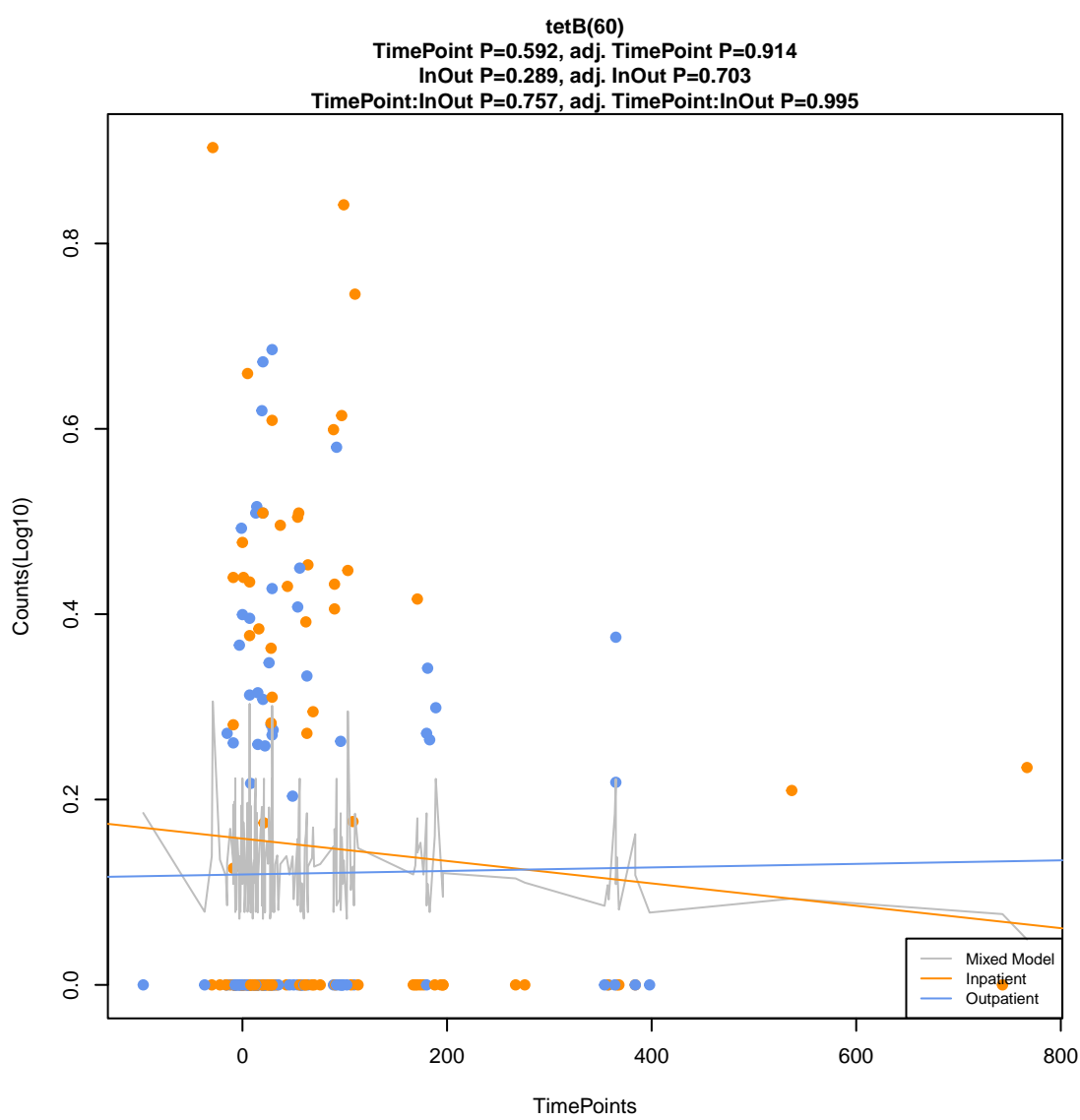
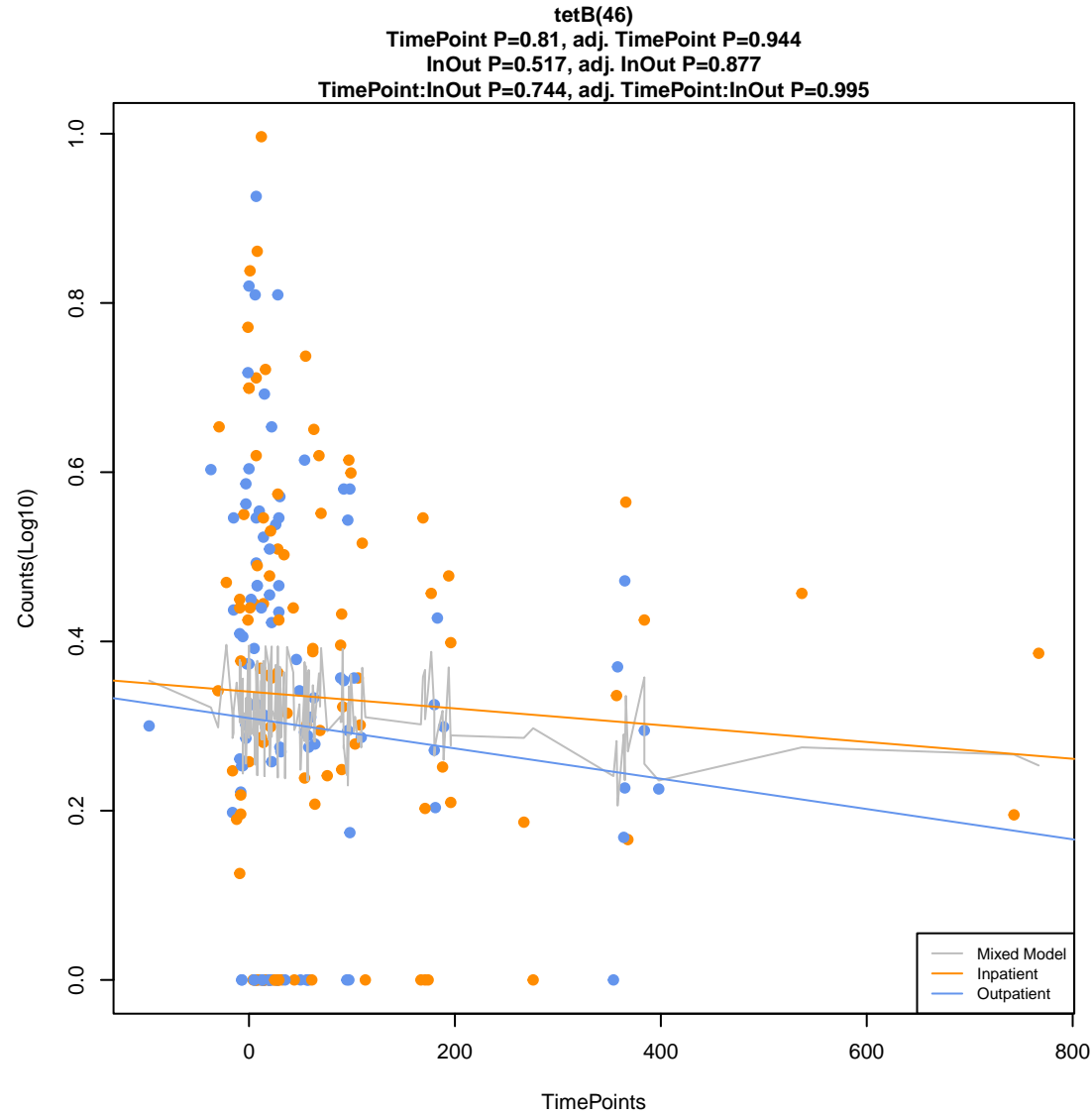
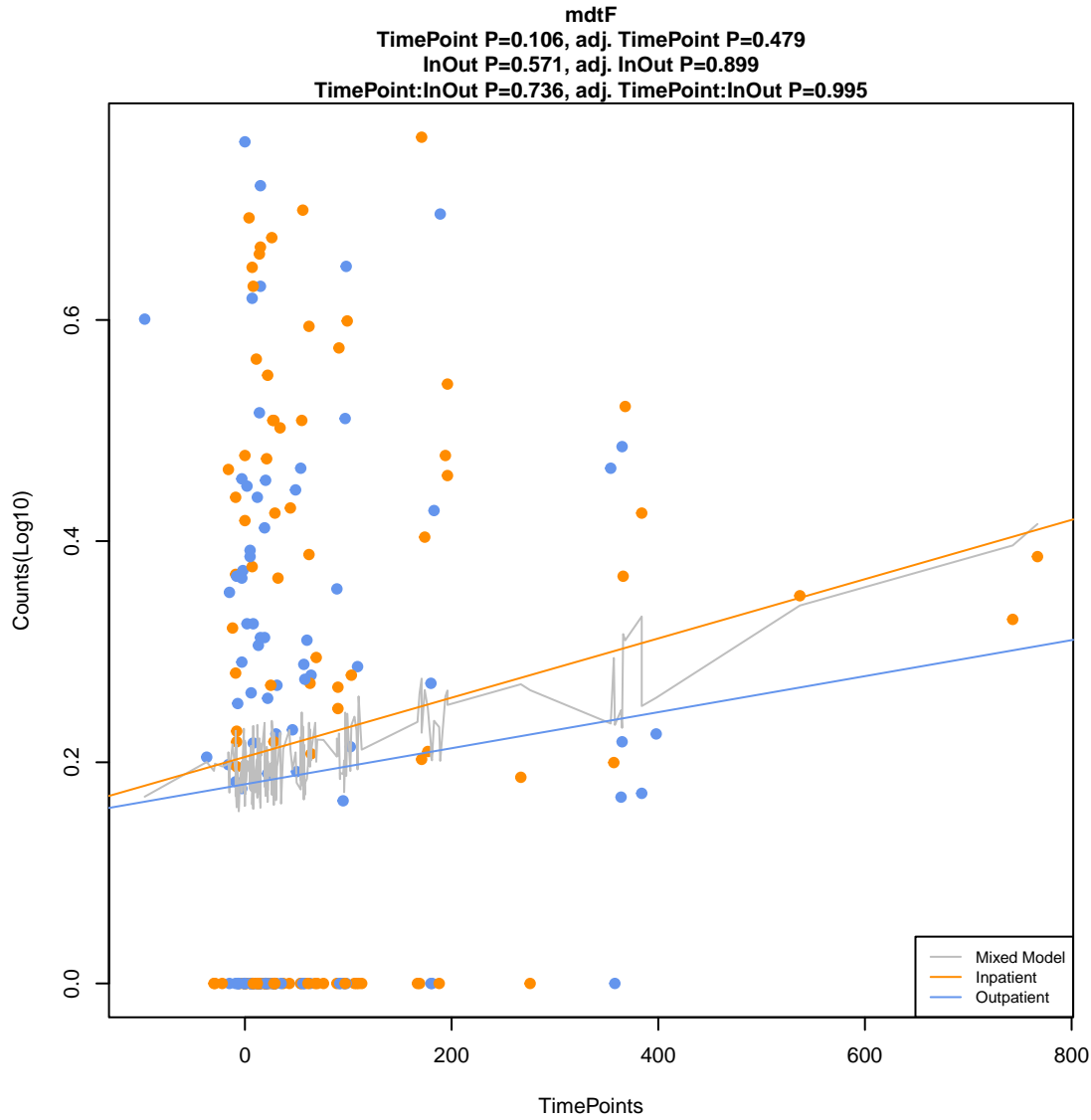
APH(6)–Ic

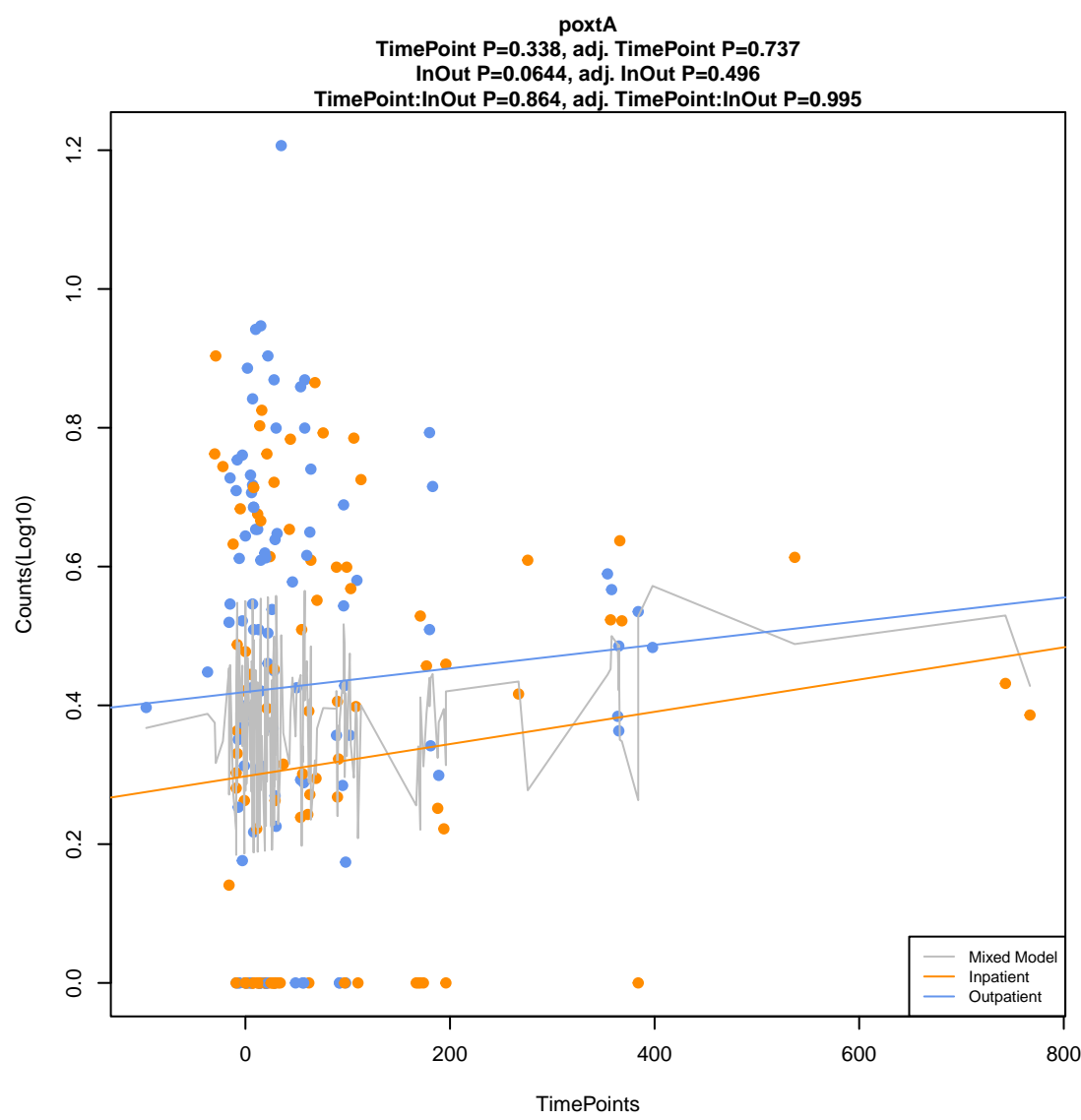
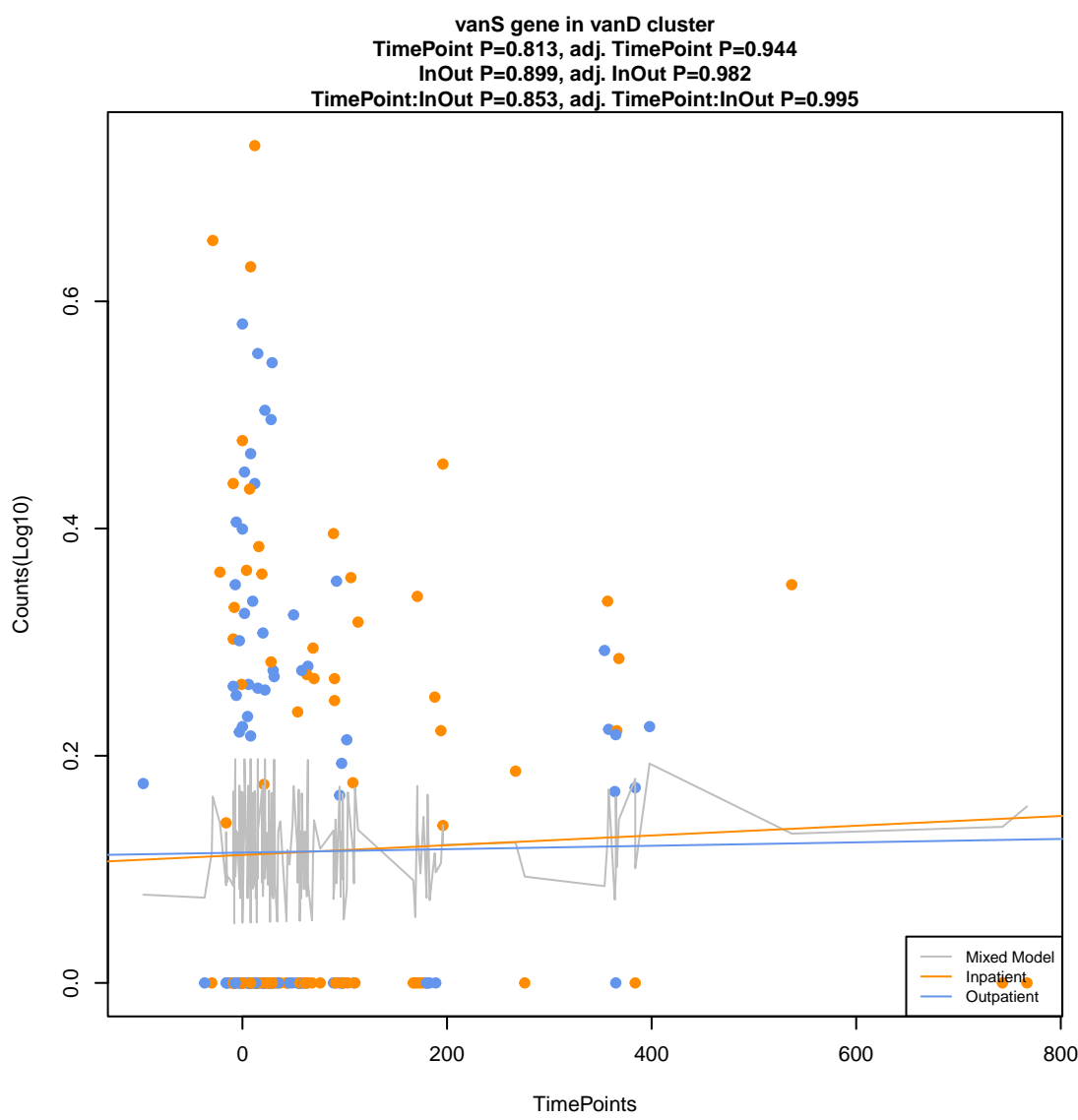
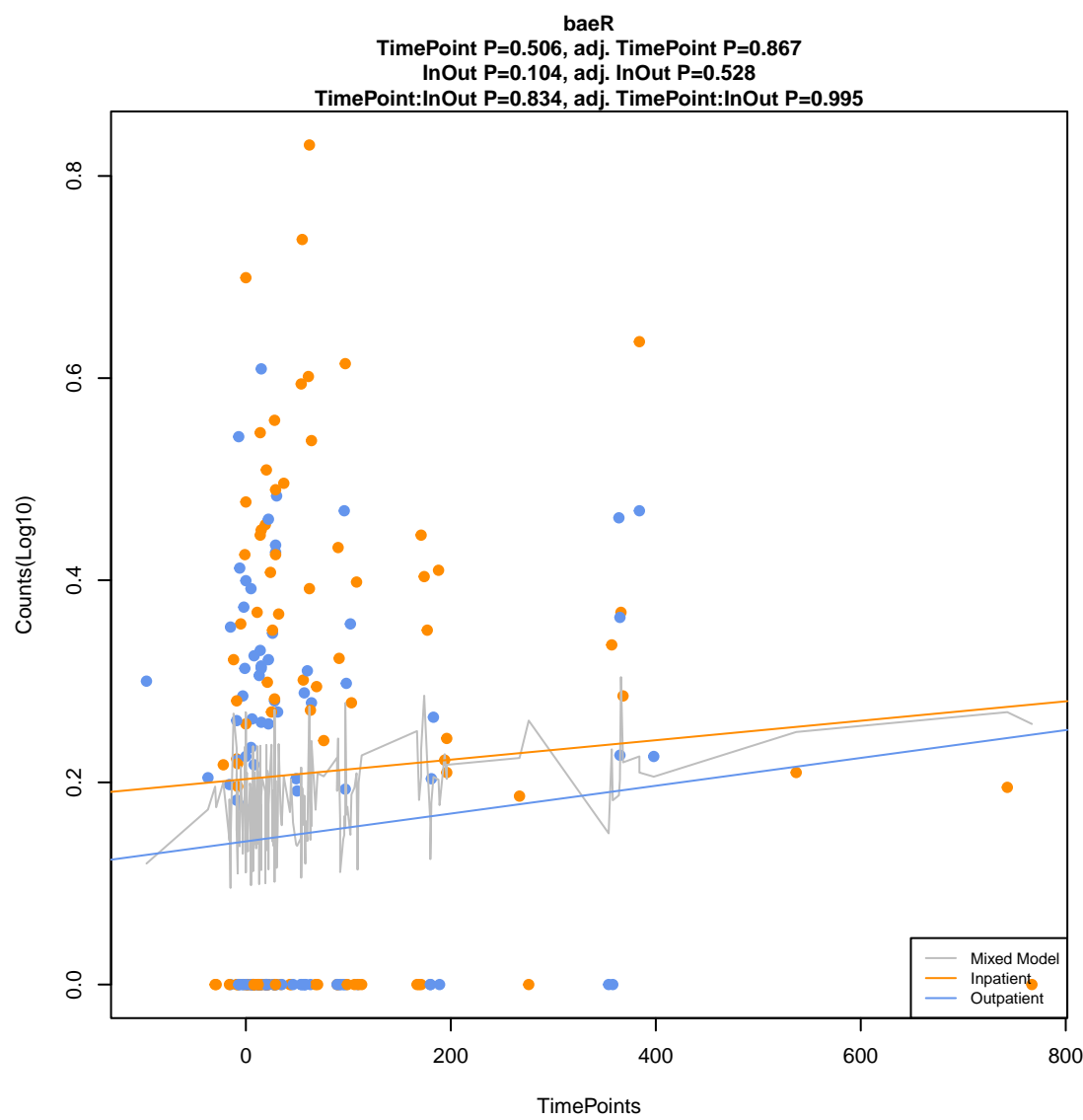
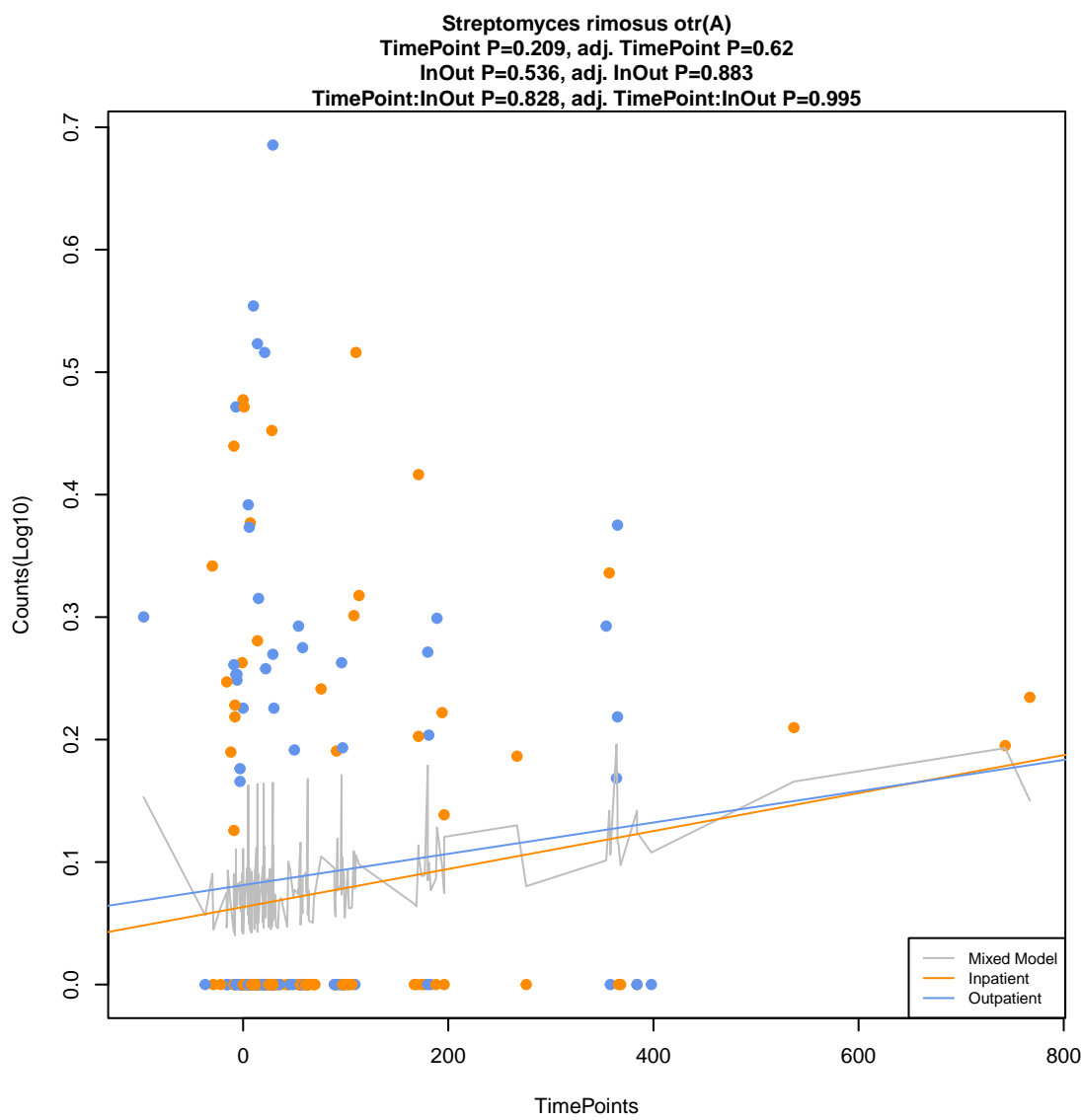
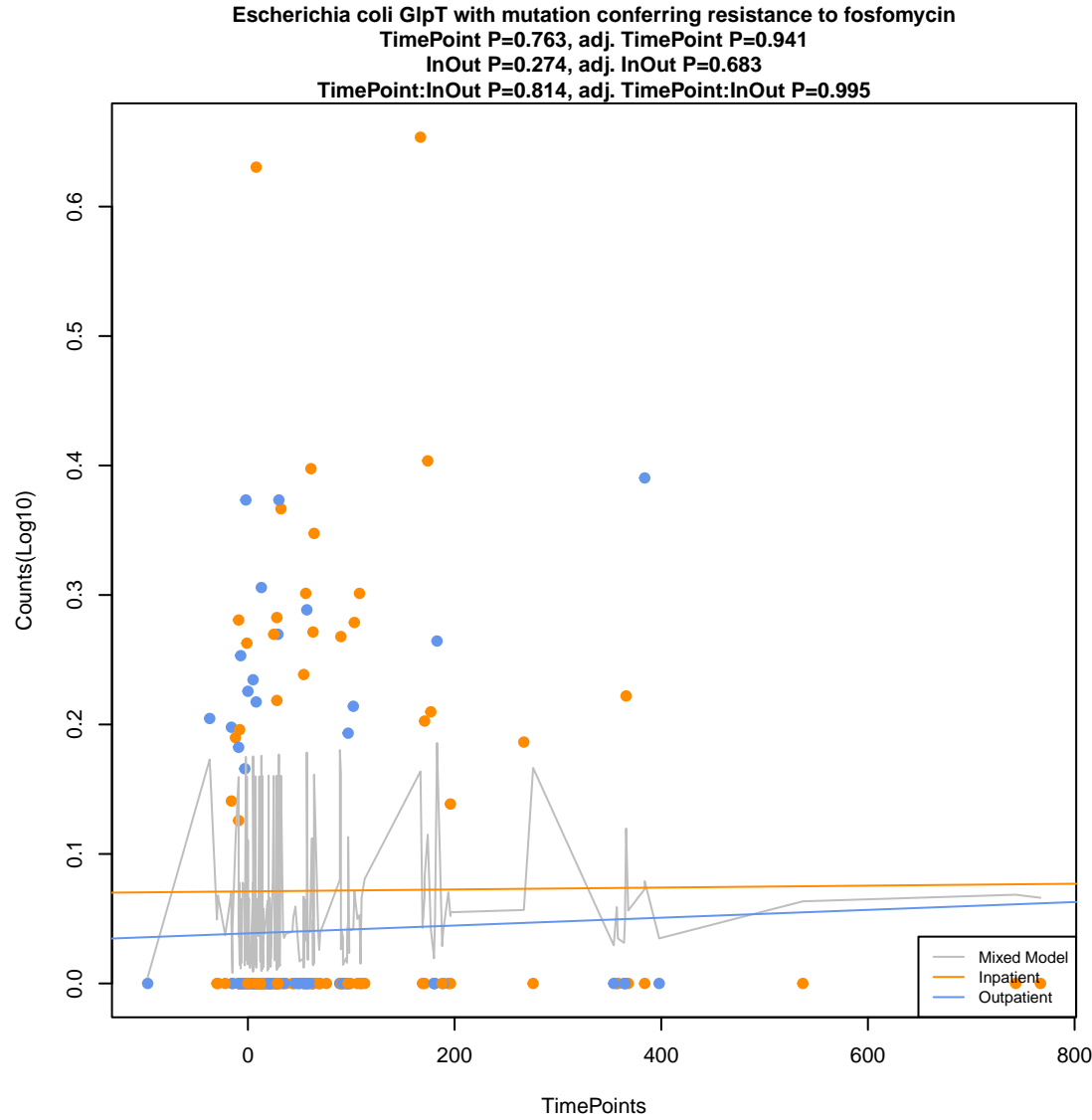
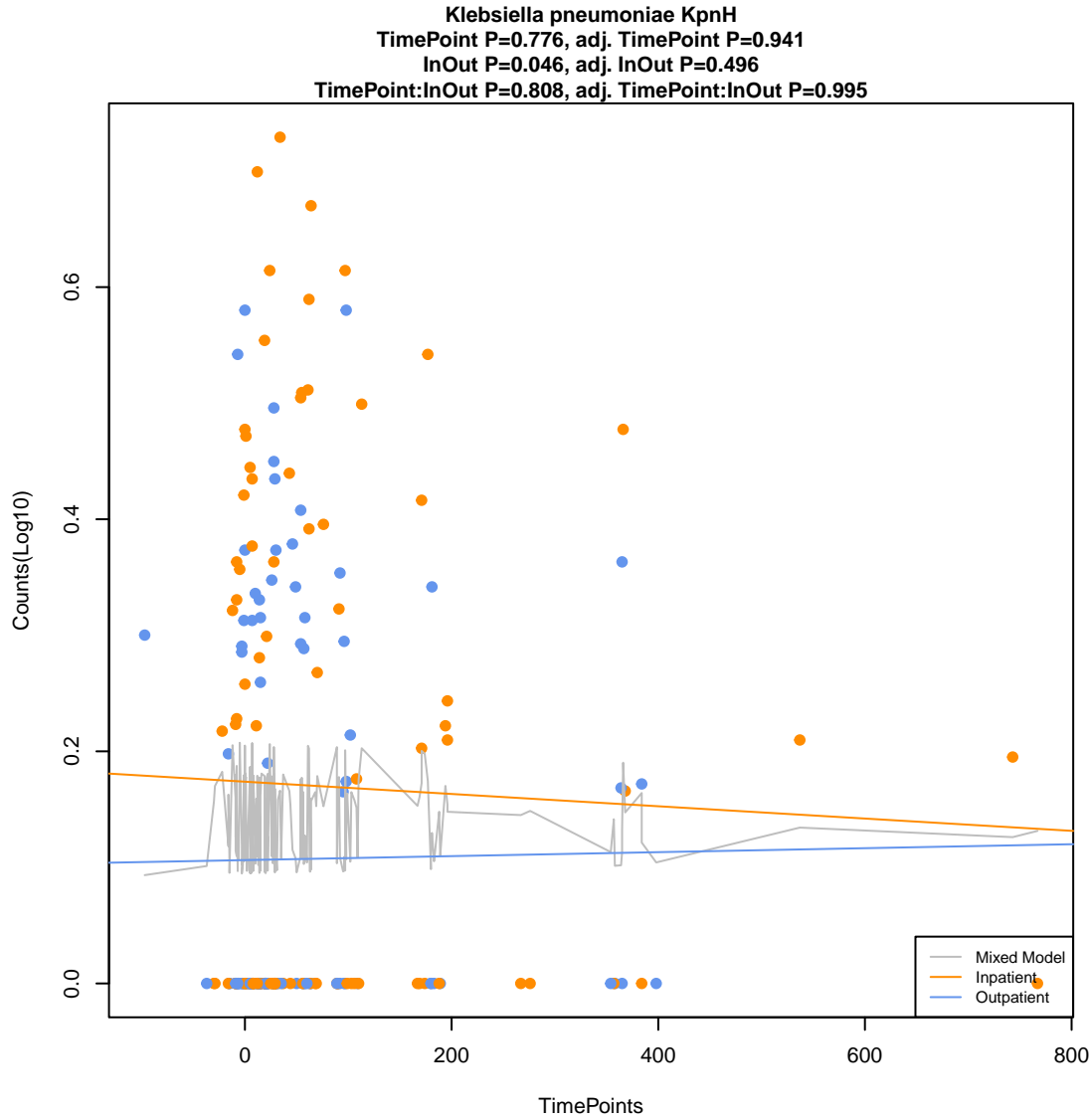


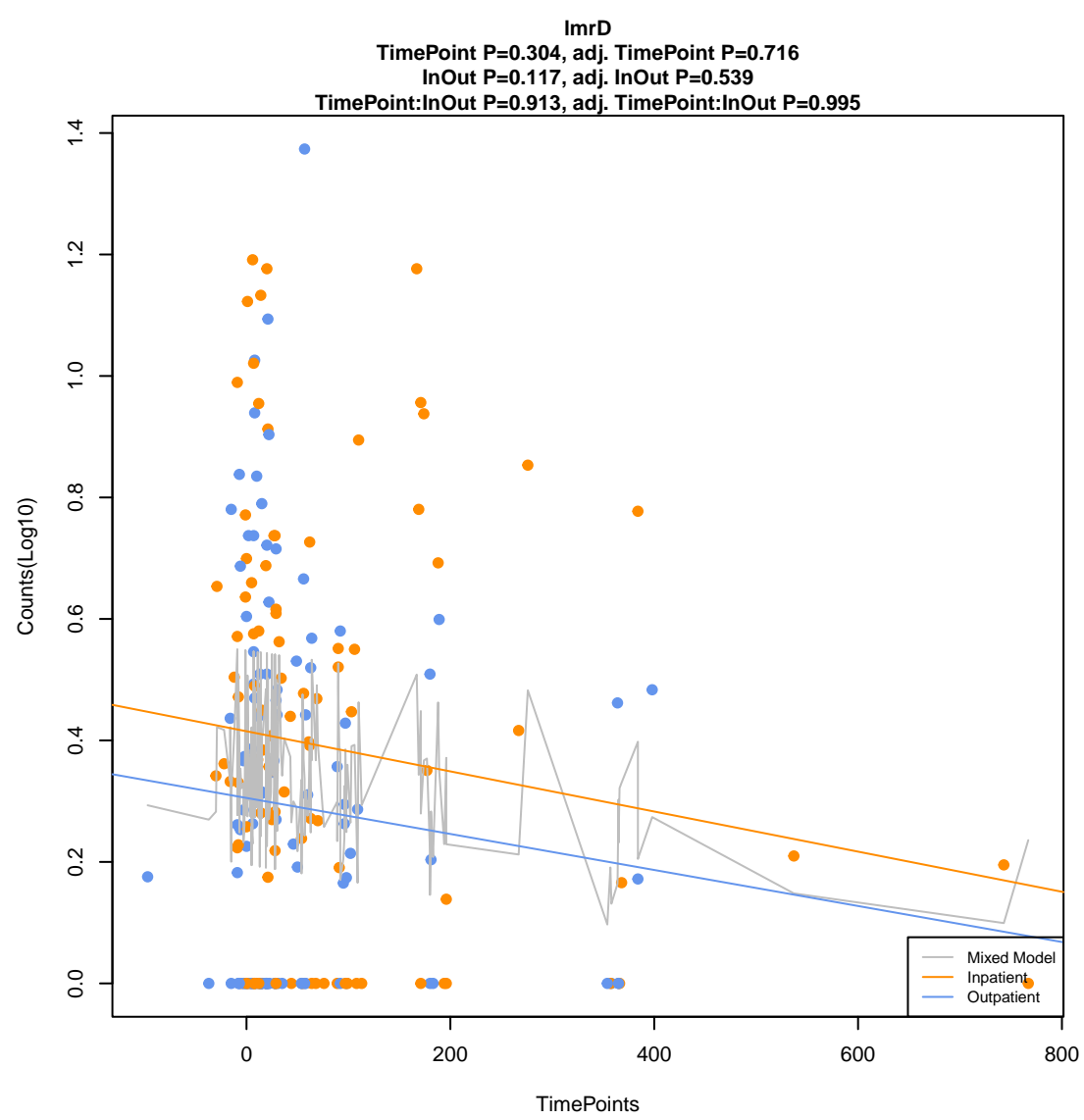
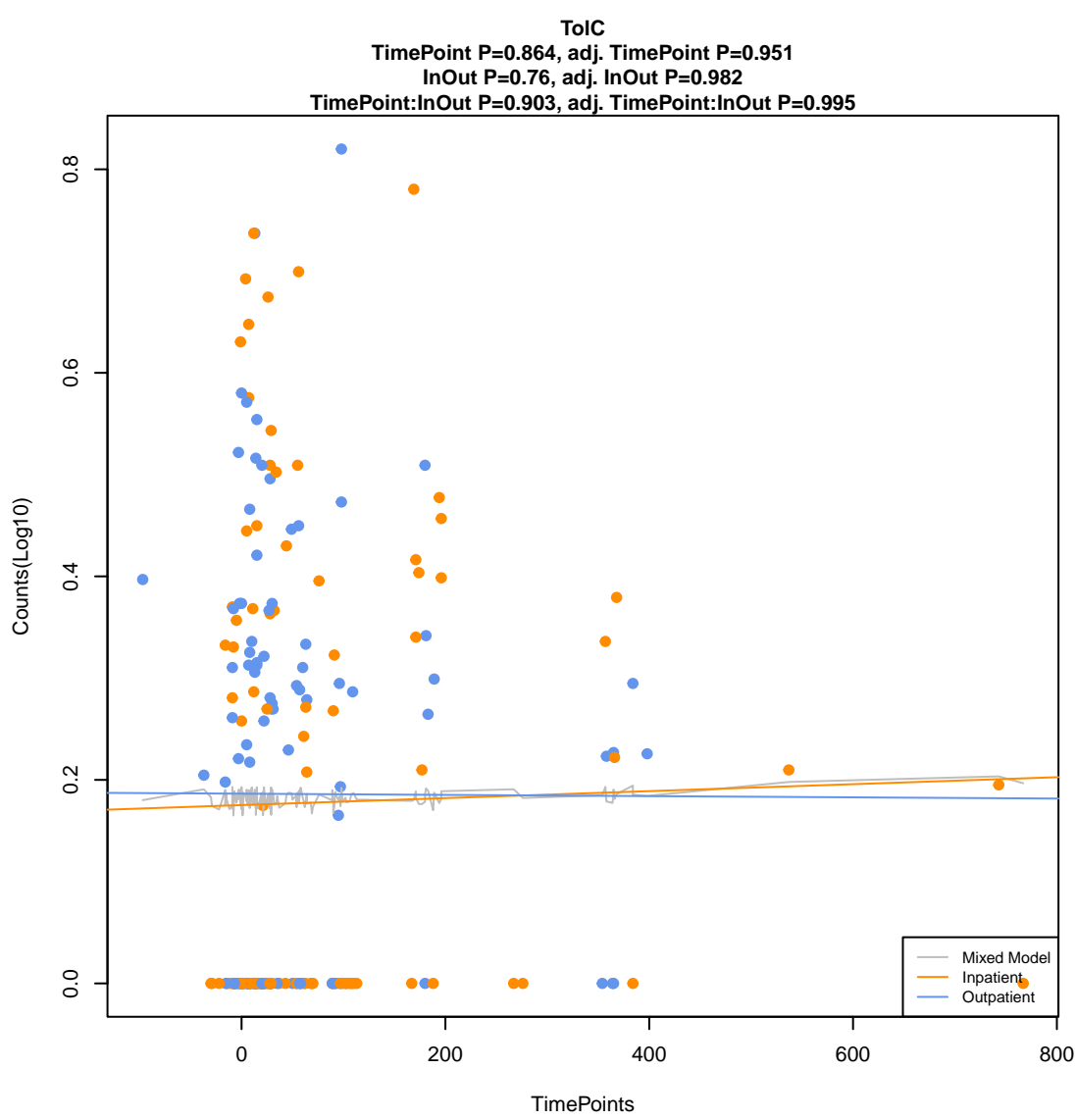
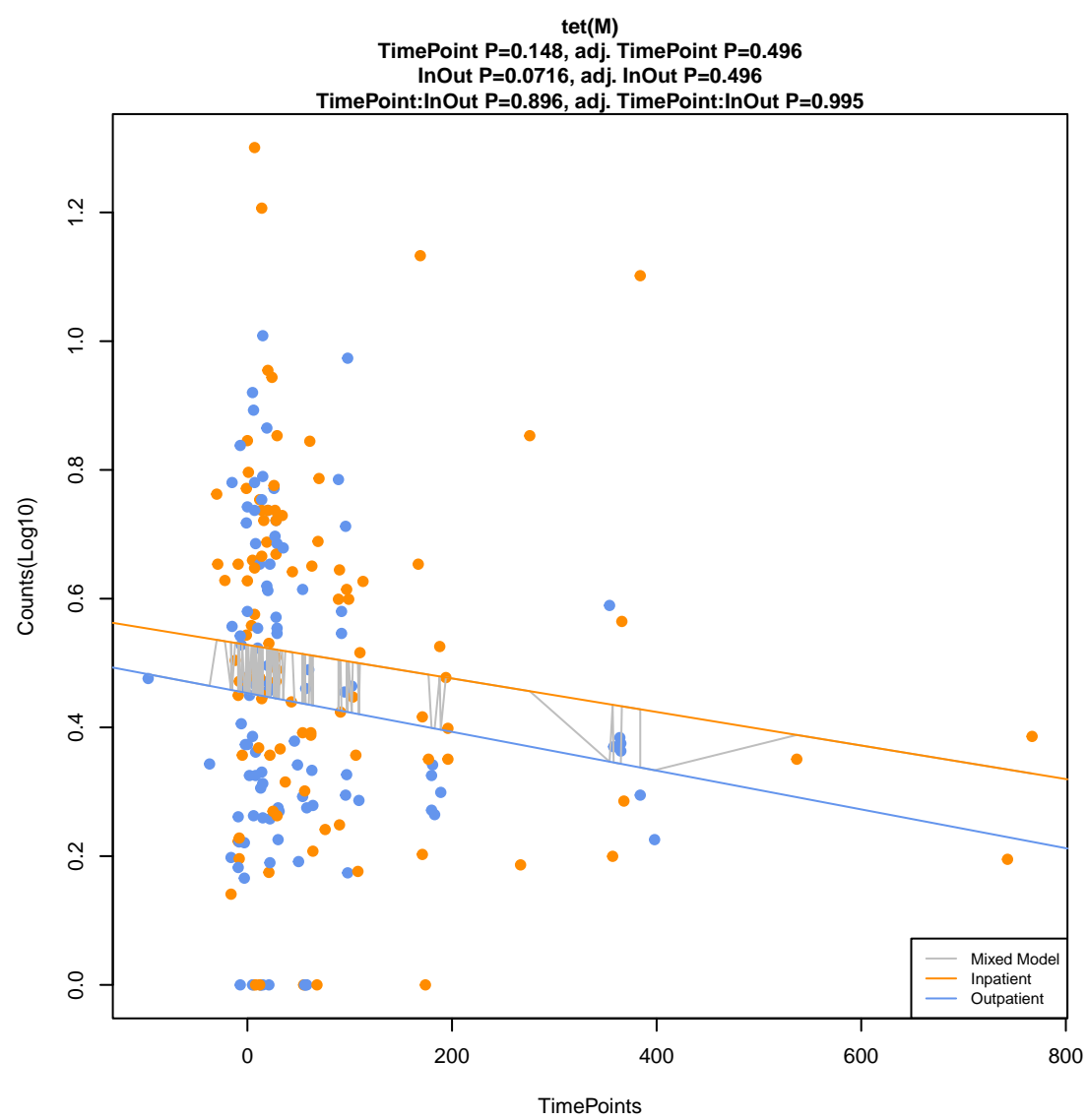
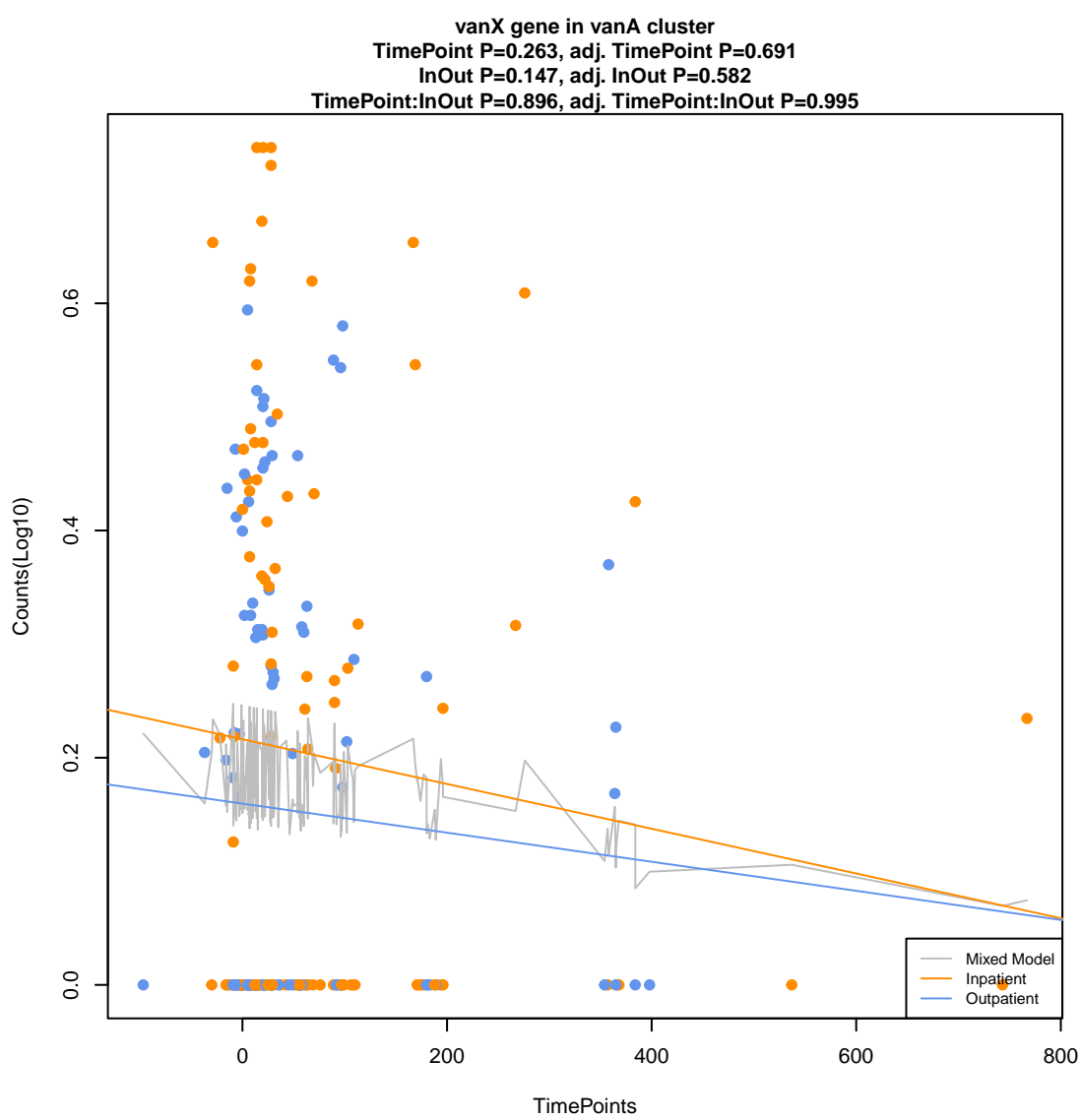
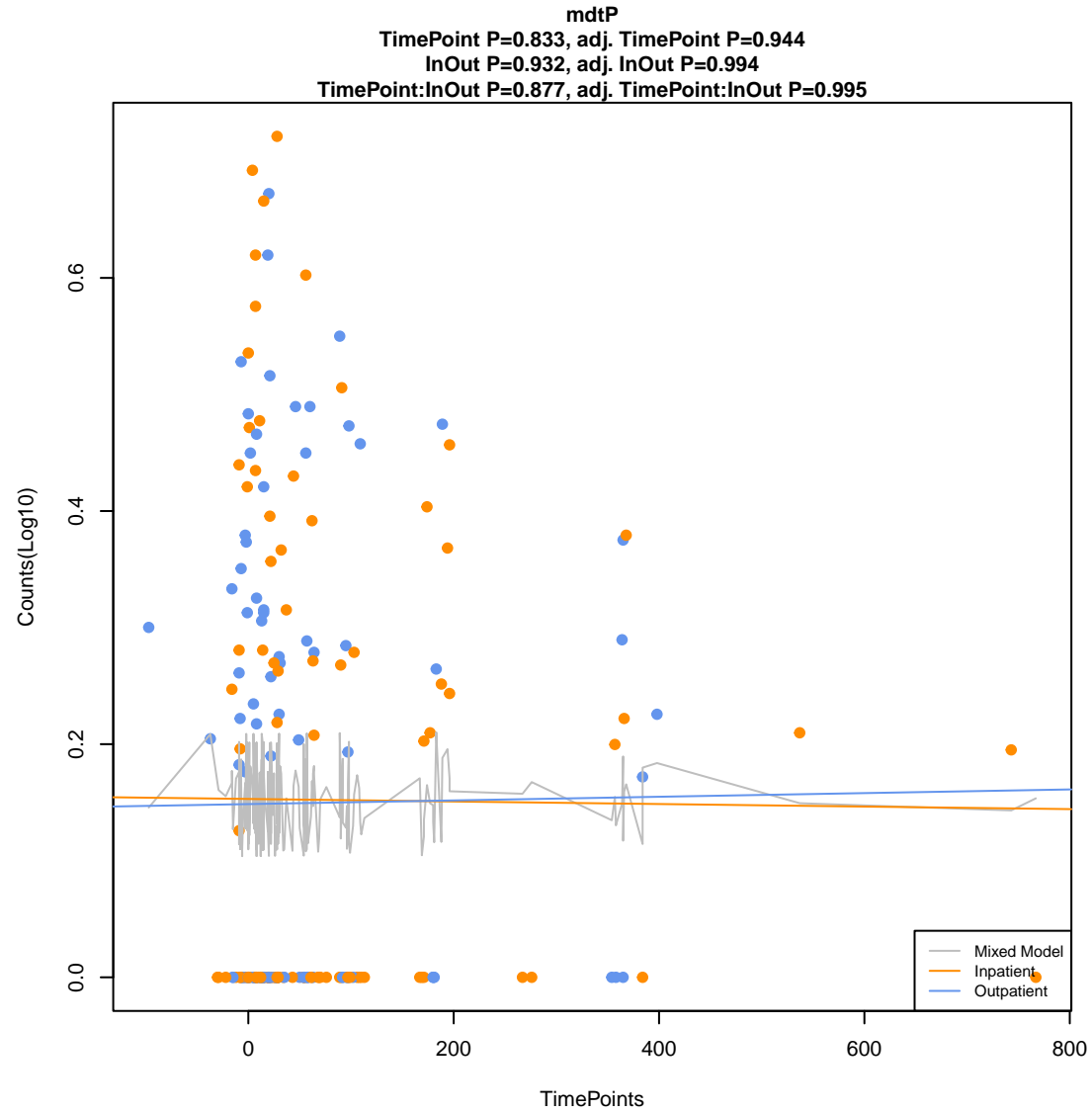
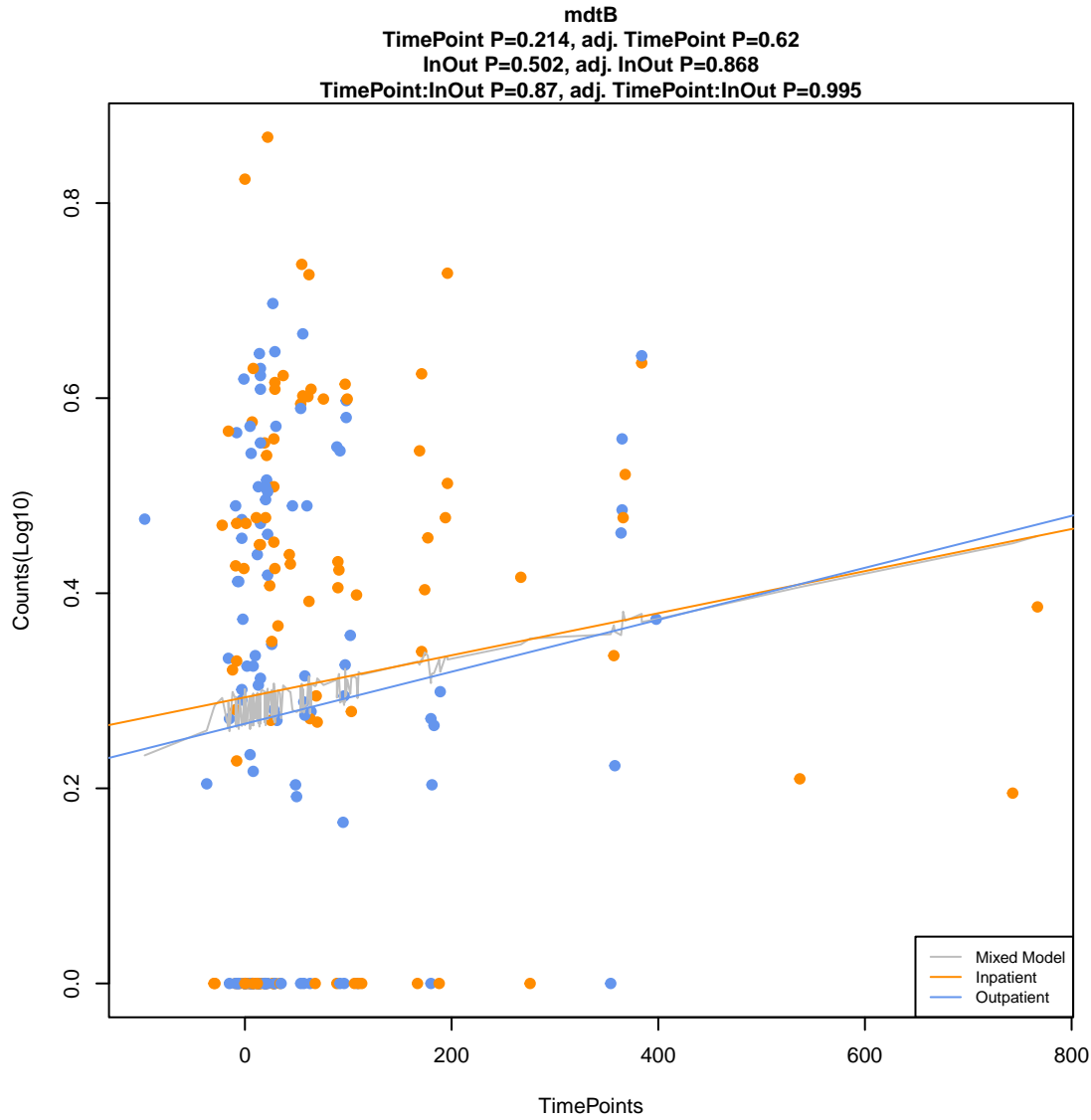
vanR gene in vanD cluster



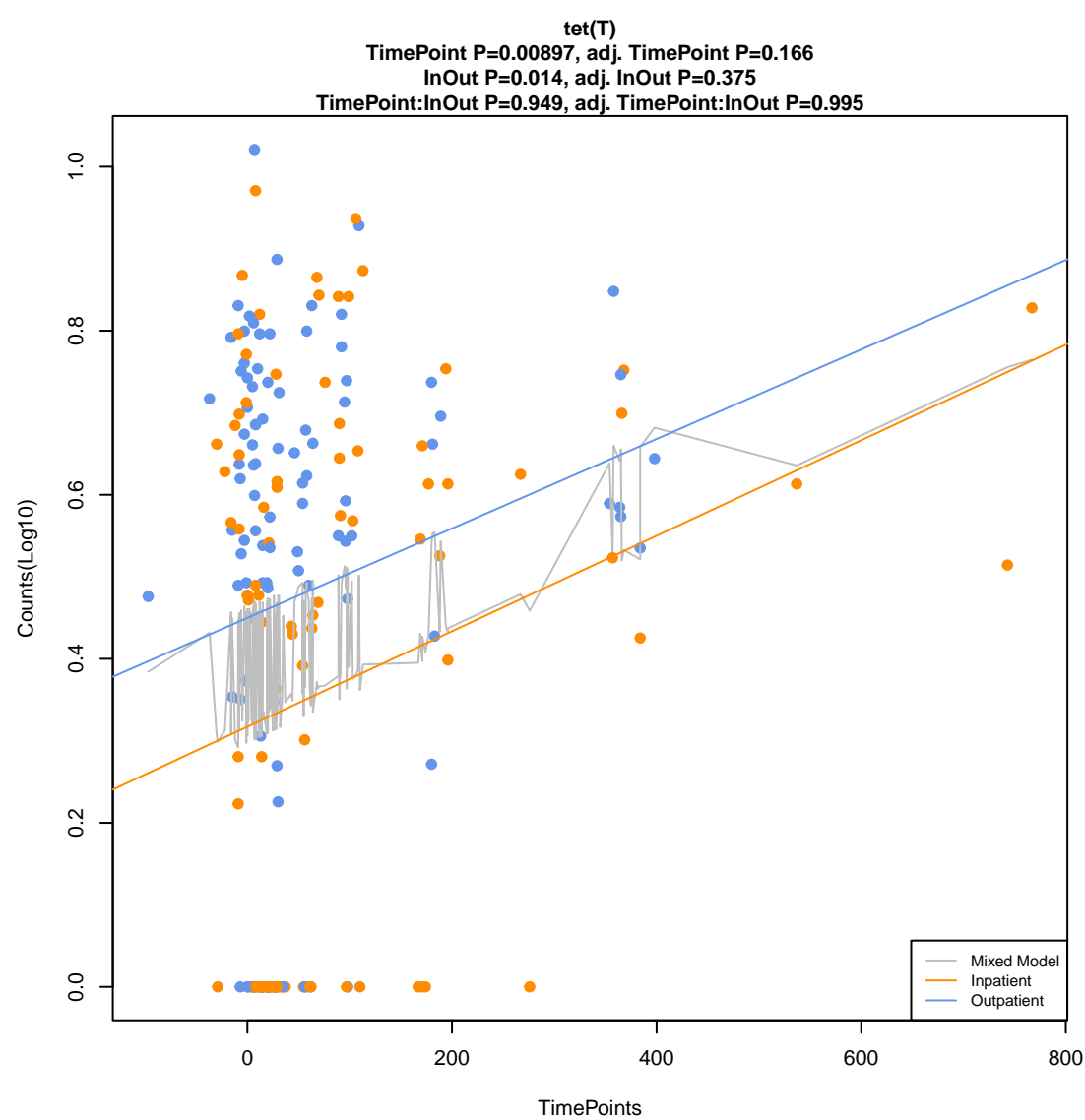
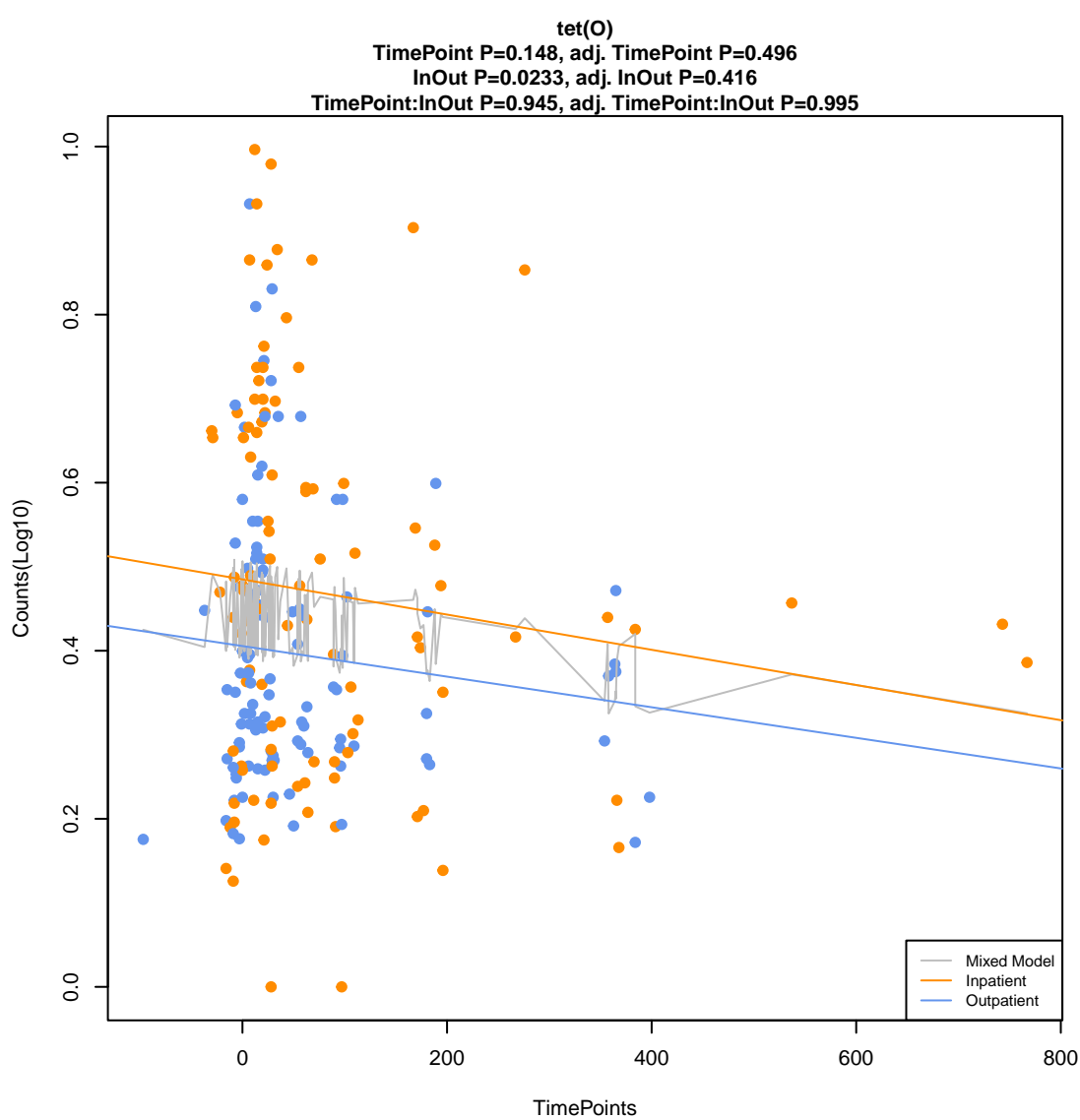
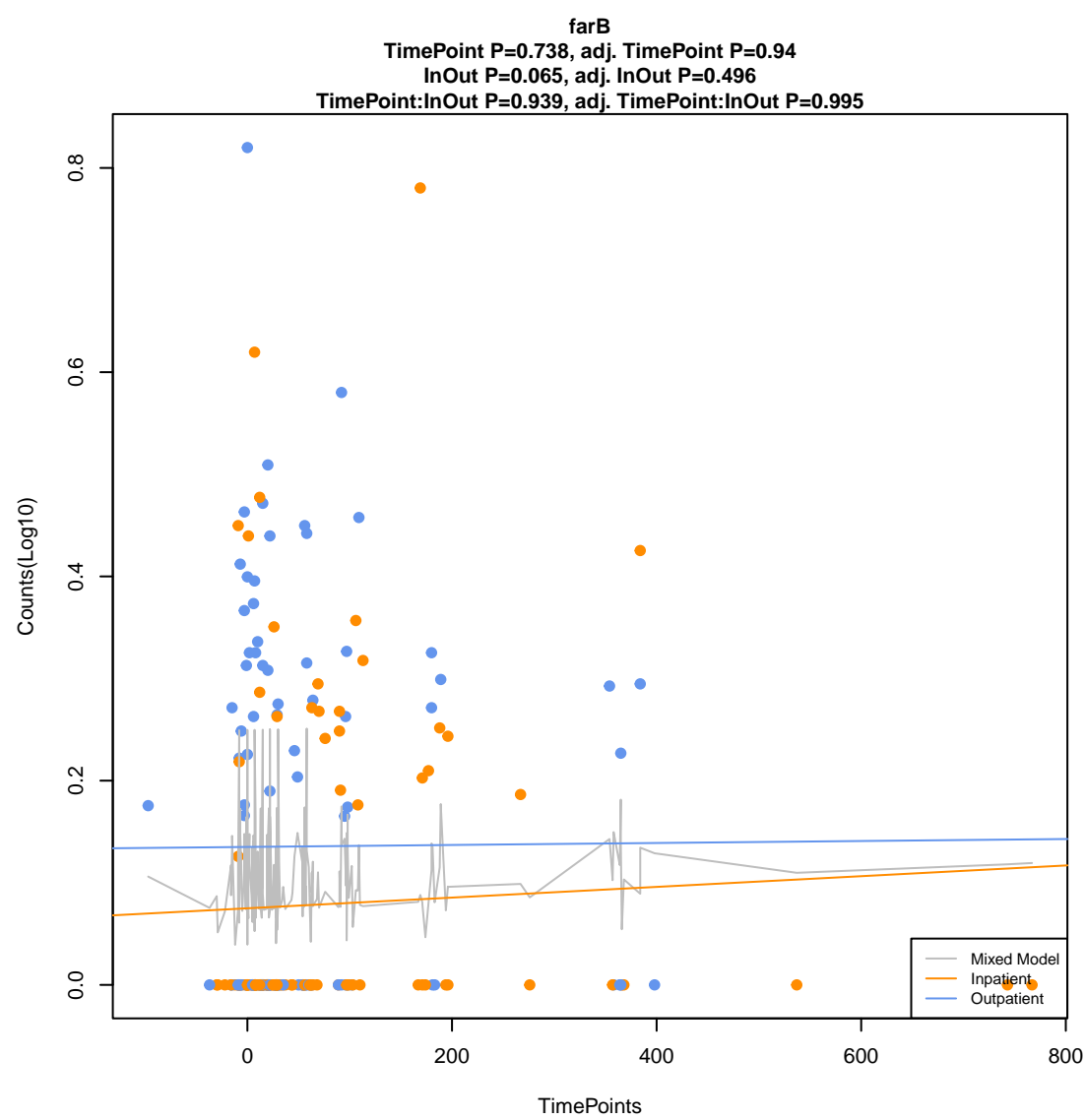
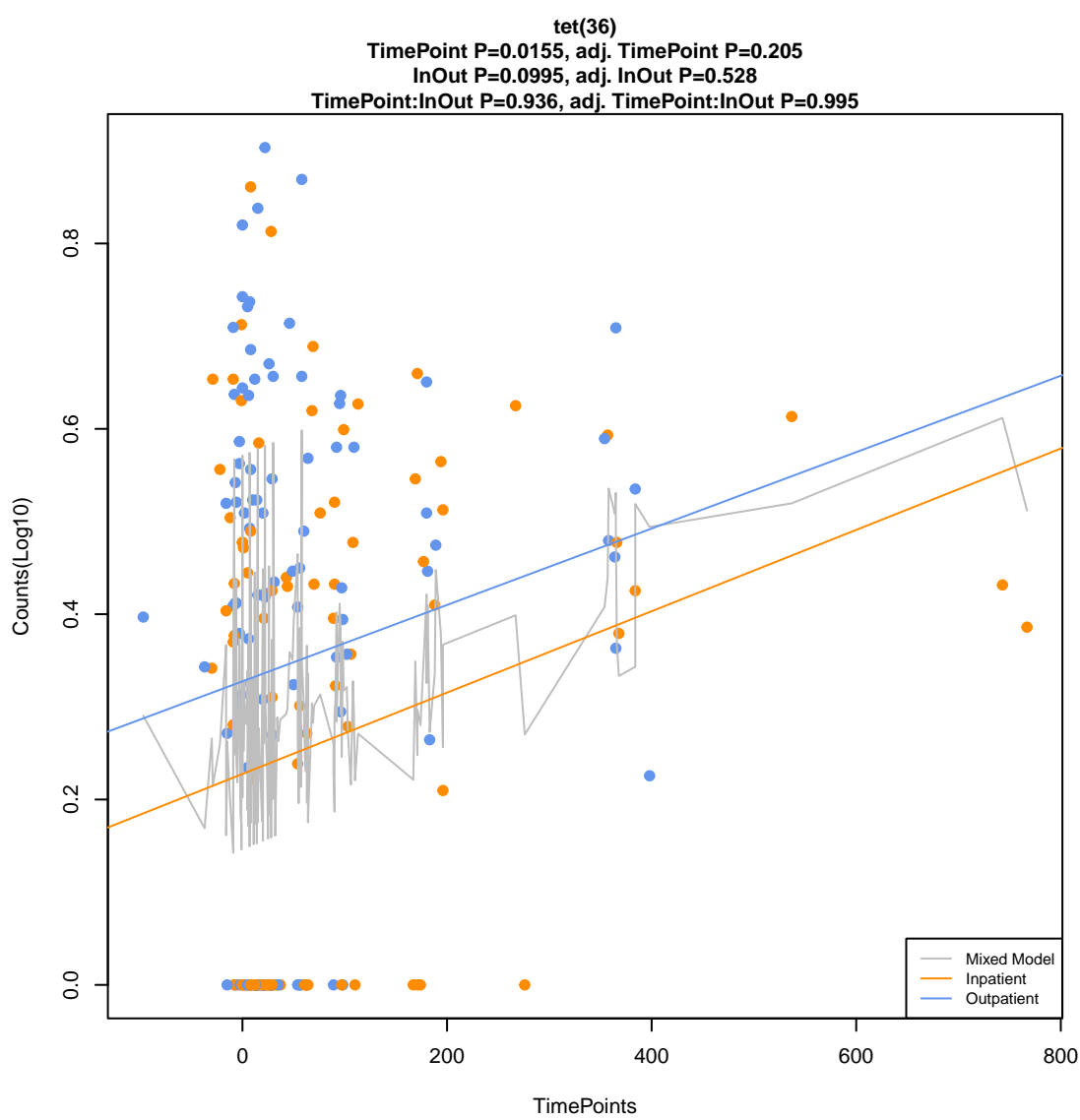
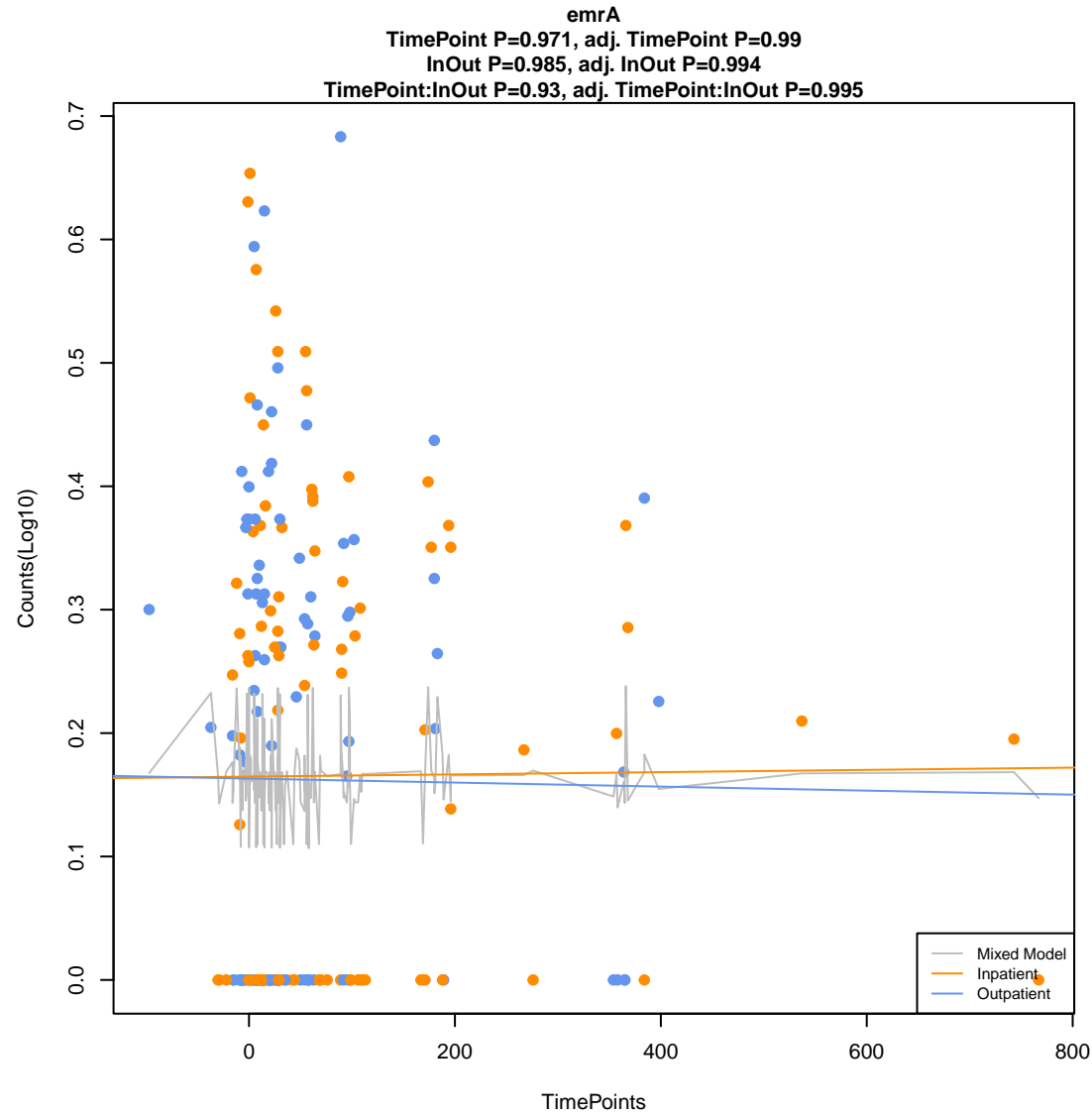
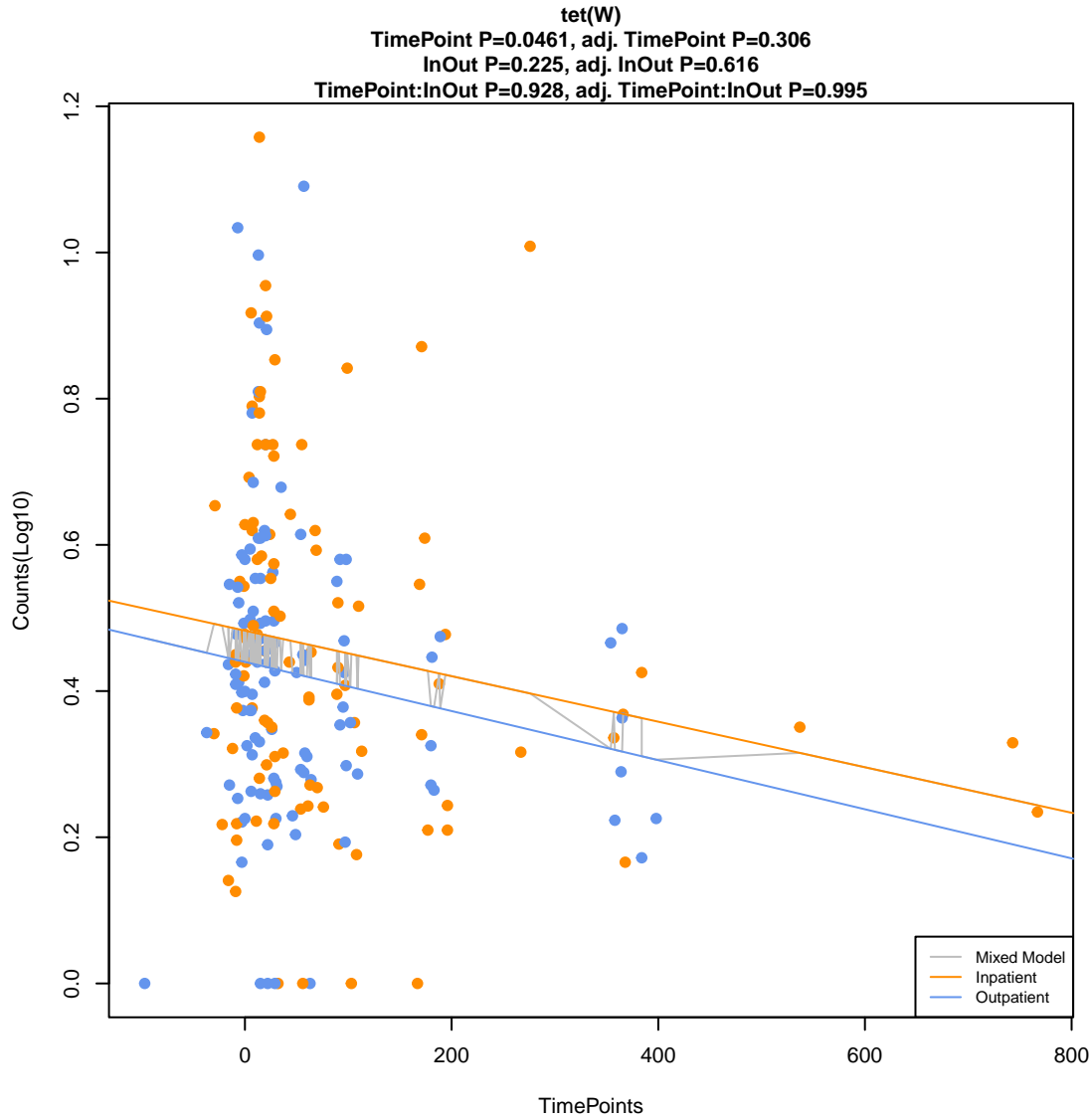






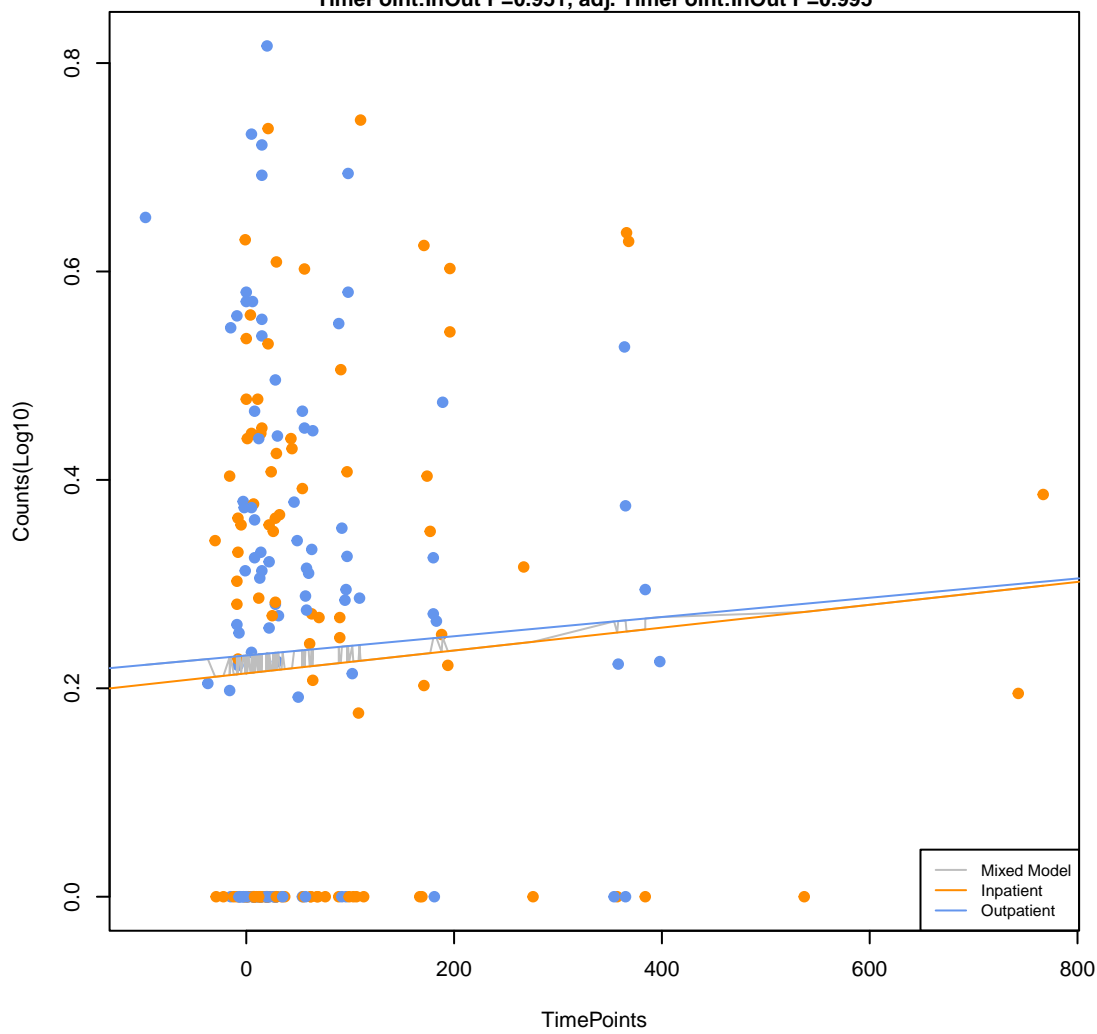






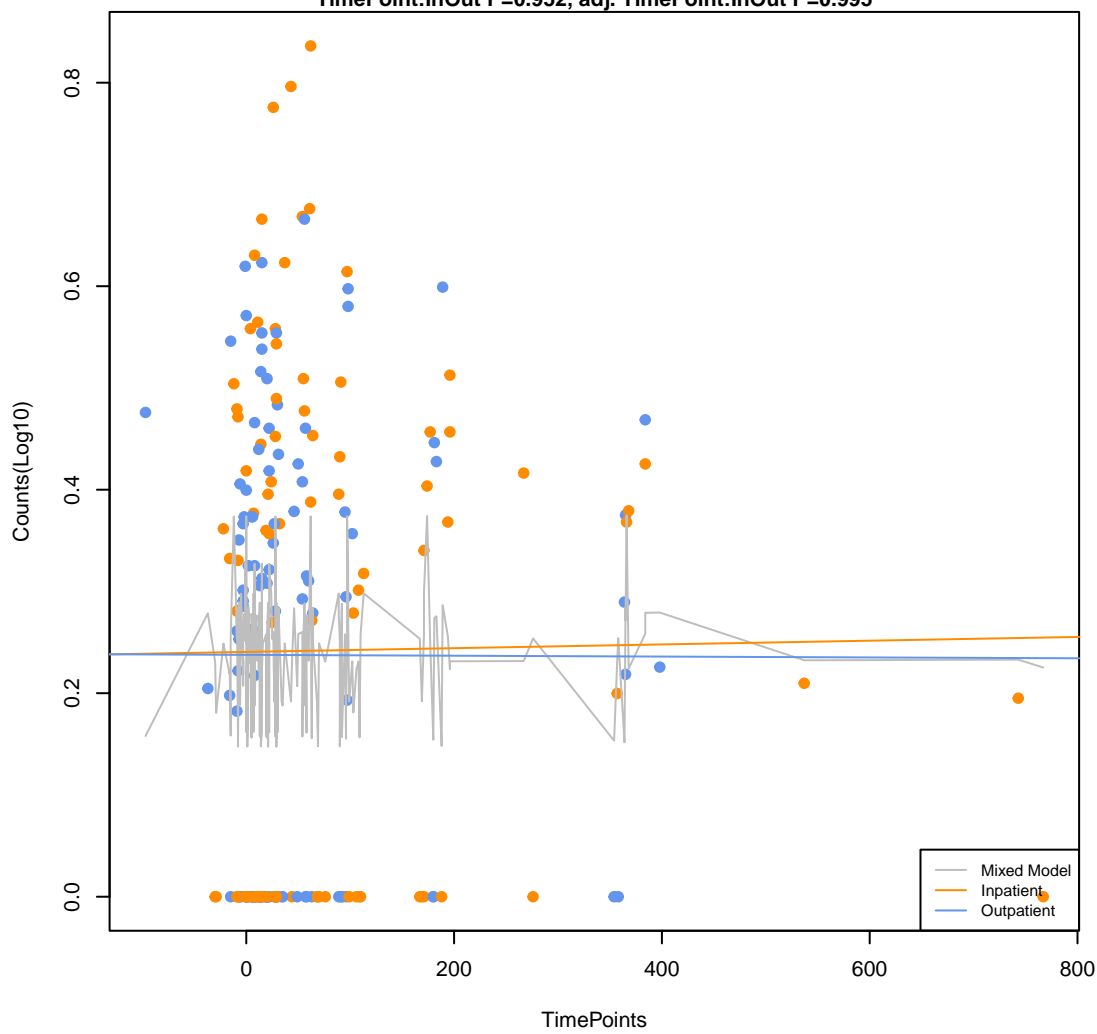
AcrF

TimePoint P=0.503, adj. TimePoint P=0.867  
InOut P=0.64, adj. InOut P=0.948  
TimePoint:InOut P=0.951, adj. TimePoint:InOut P=0.995



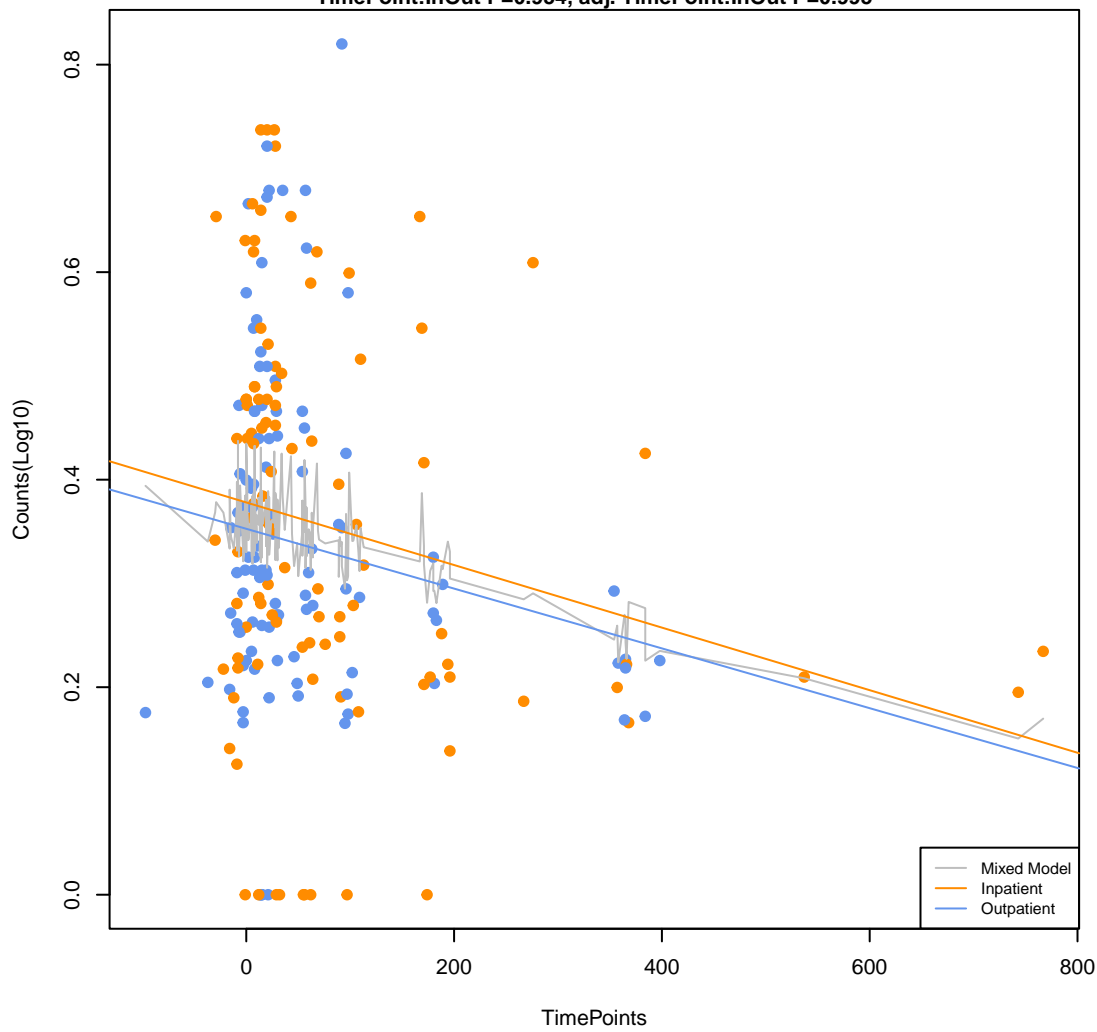
msbA

TimePoint P=0.986, adj. TimePoint P=0.992  
InOut P=0.976, adj. InOut P=0.994  
TimePoint:InOut P=0.952, adj. TimePoint:InOut P=0.995



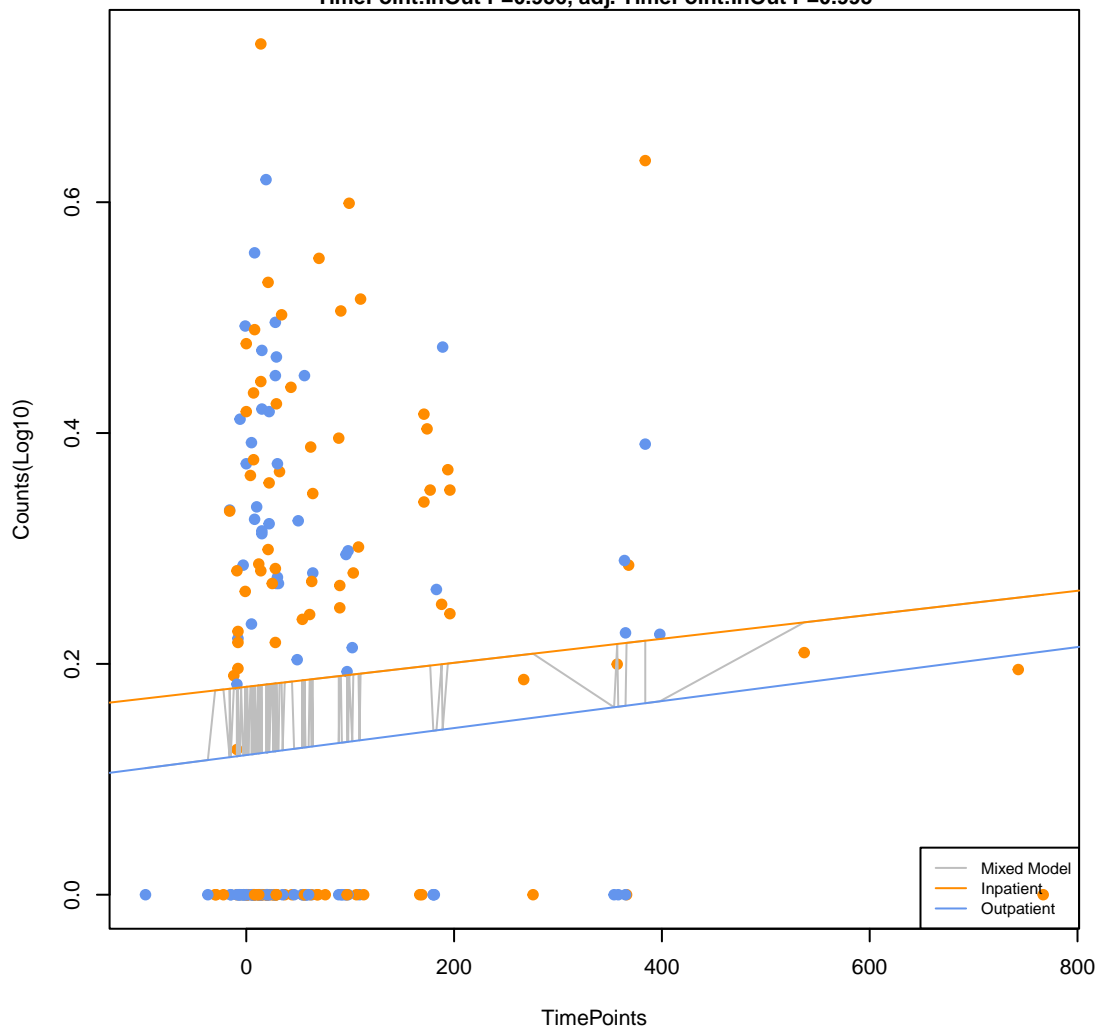
ErmB

TimePoint P=0.0247, adj. TimePoint P=0.24  
InOut P=0.414, adj. InOut P=0.852  
TimePoint:InOut P=0.954, adj. TimePoint:InOut P=0.995



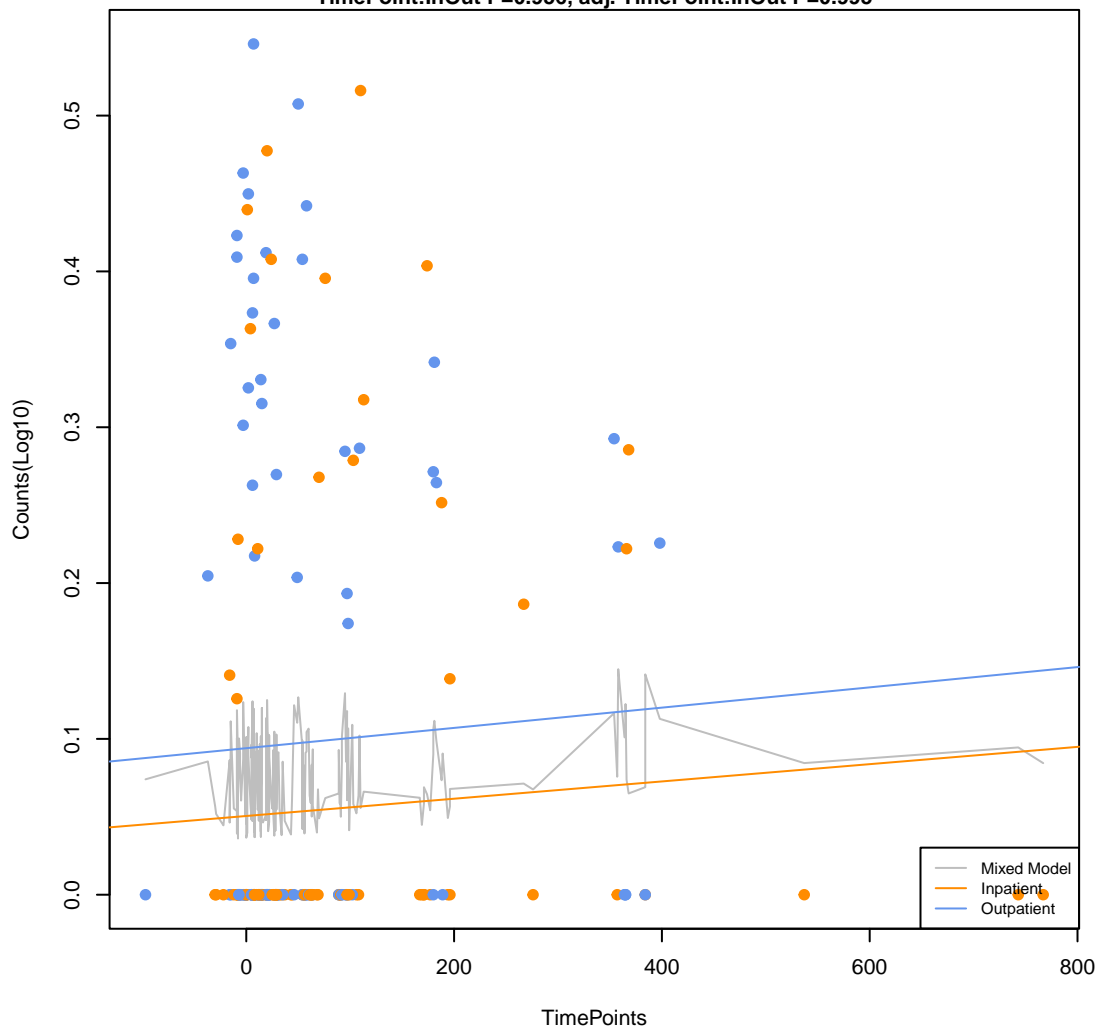
mdtM

TimePoint P=0.442, adj. TimePoint P=0.851  
InOut P=0.059, adj. InOut P=0.496  
TimePoint:InOut P=0.956, adj. TimePoint:InOut P=0.995



mtrD

TimePoint P=0.641, adj. TimePoint P=0.914  
InOut P=0.0823, adj. InOut P=0.496  
TimePoint:InOut P=0.956, adj. TimePoint:InOut P=0.995



CRP

TimePoint P=0.621, adj. TimePoint P=0.914  
InOut P=0.756, adj. InOut P=0.982  
TimePoint:InOut P=0.966, adj. TimePoint:InOut P=0.995

