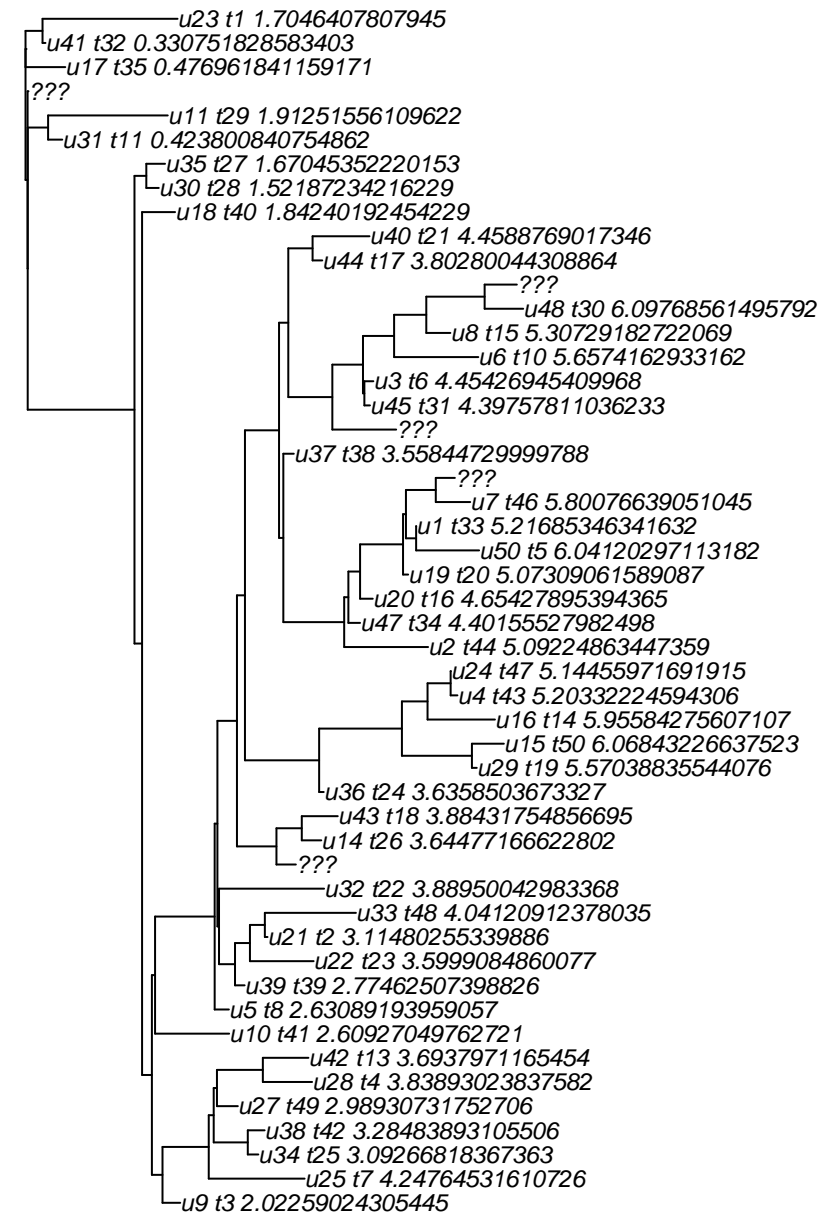
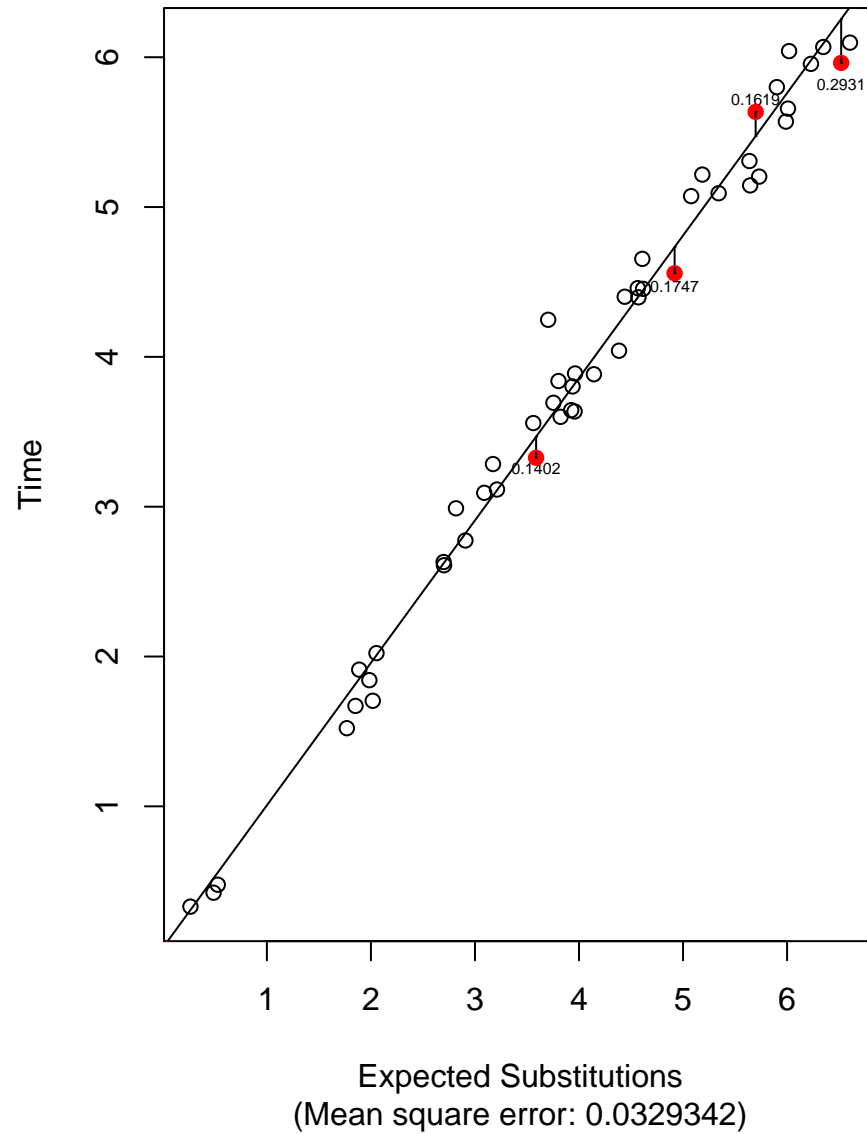


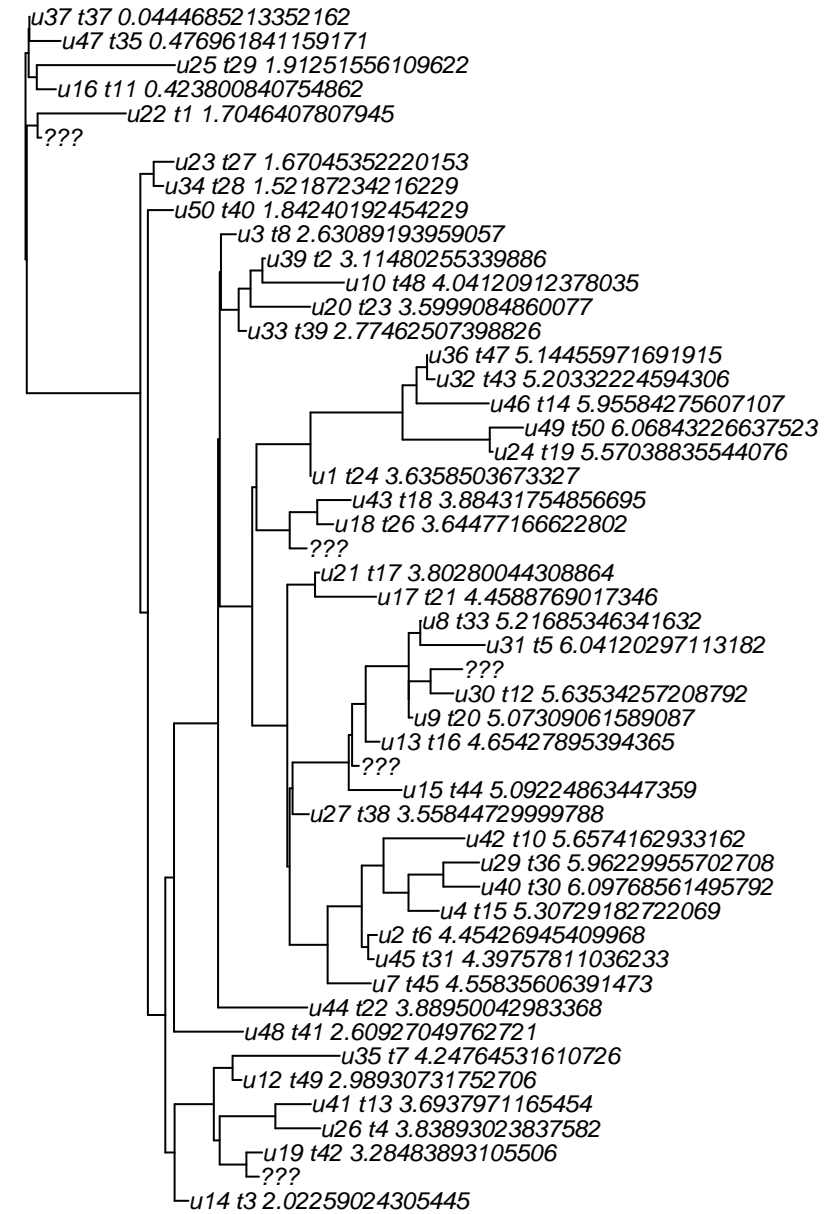
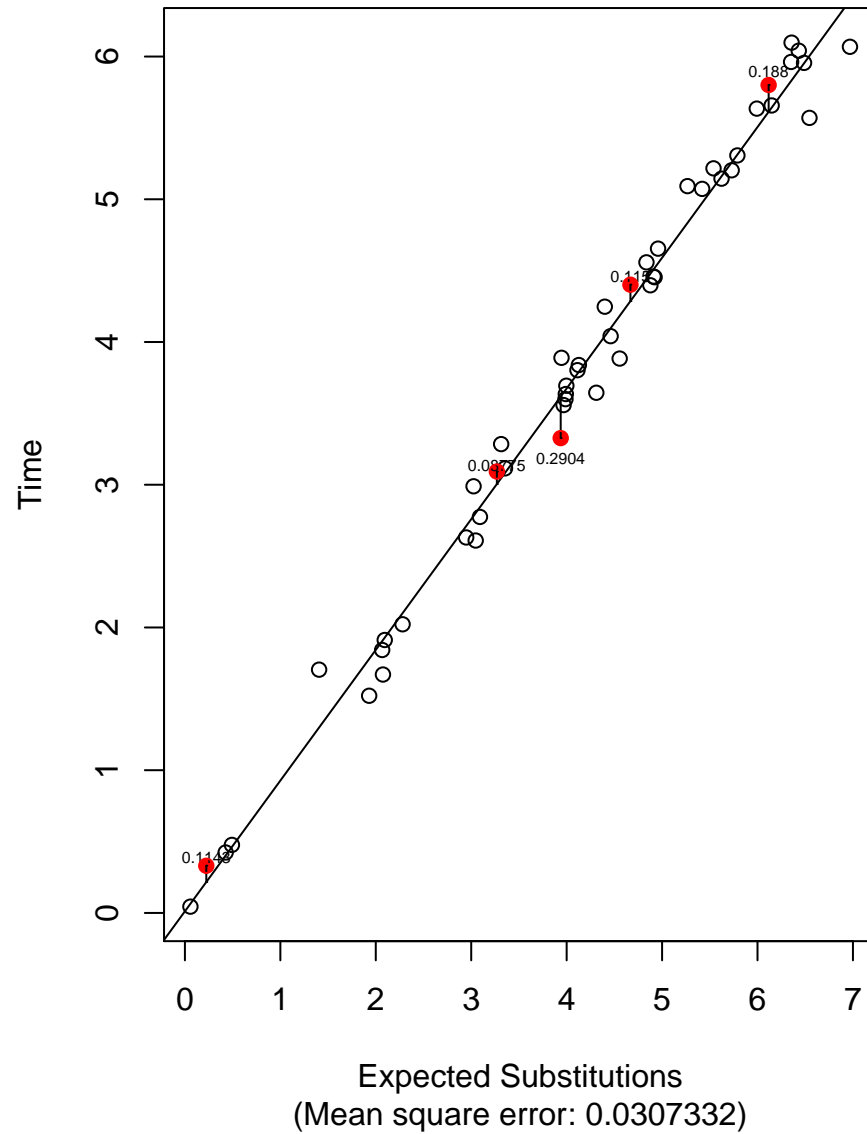
coal: Simulated-no.1 (Remove 5)

Time vs Distance



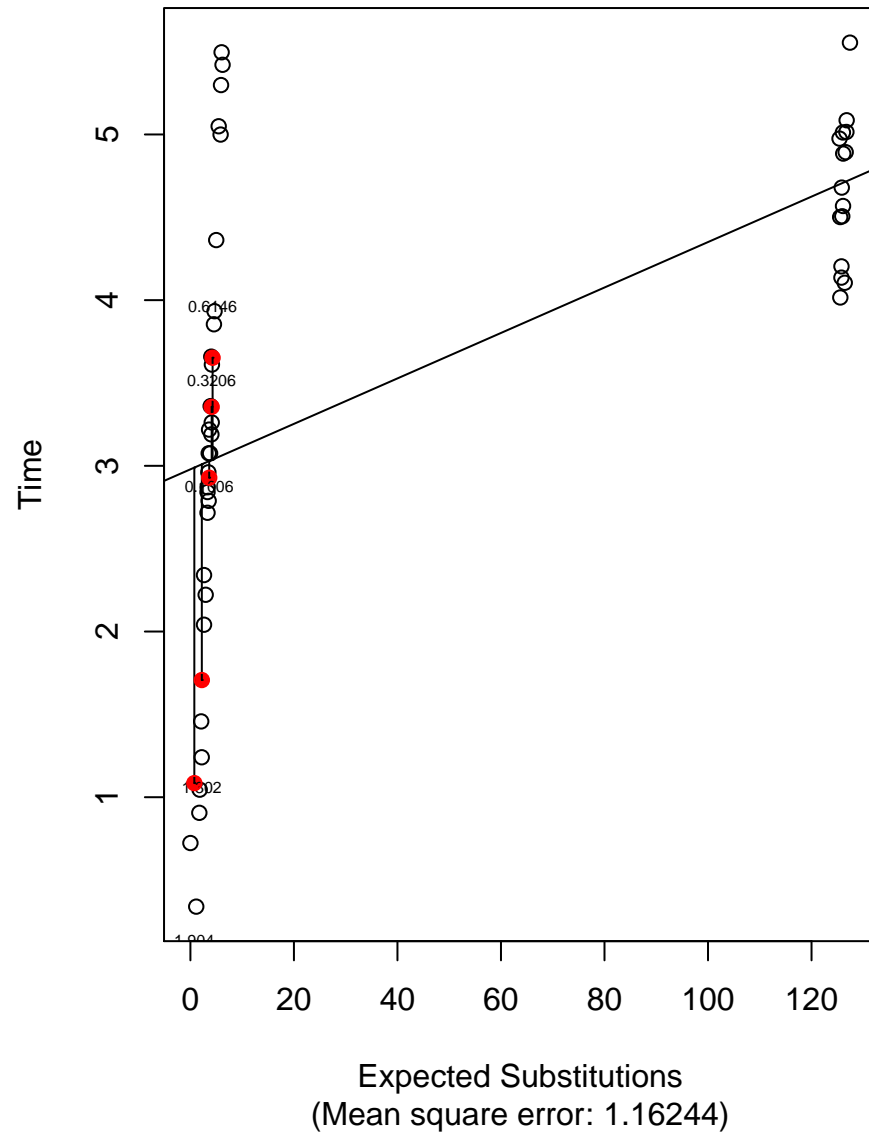
coal: Simulated-no.2 (Remove 5)

Time vs Distance



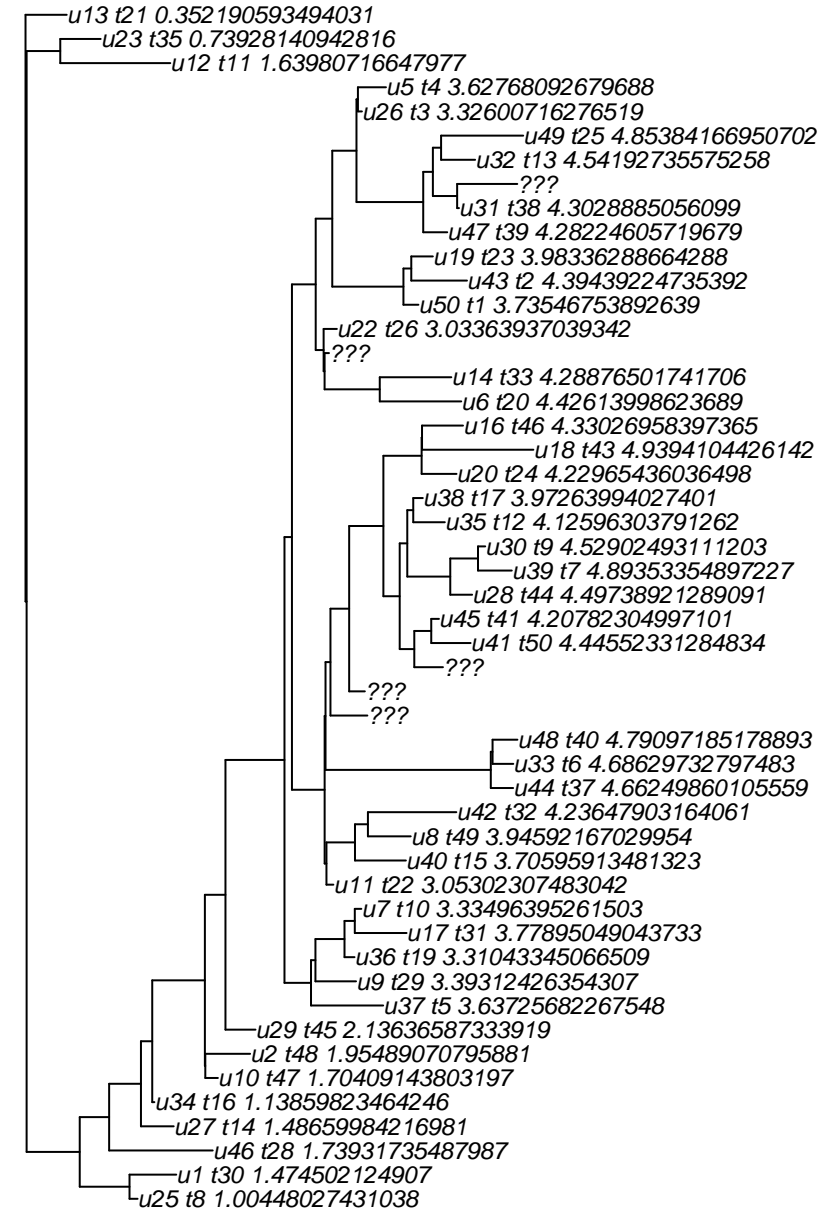
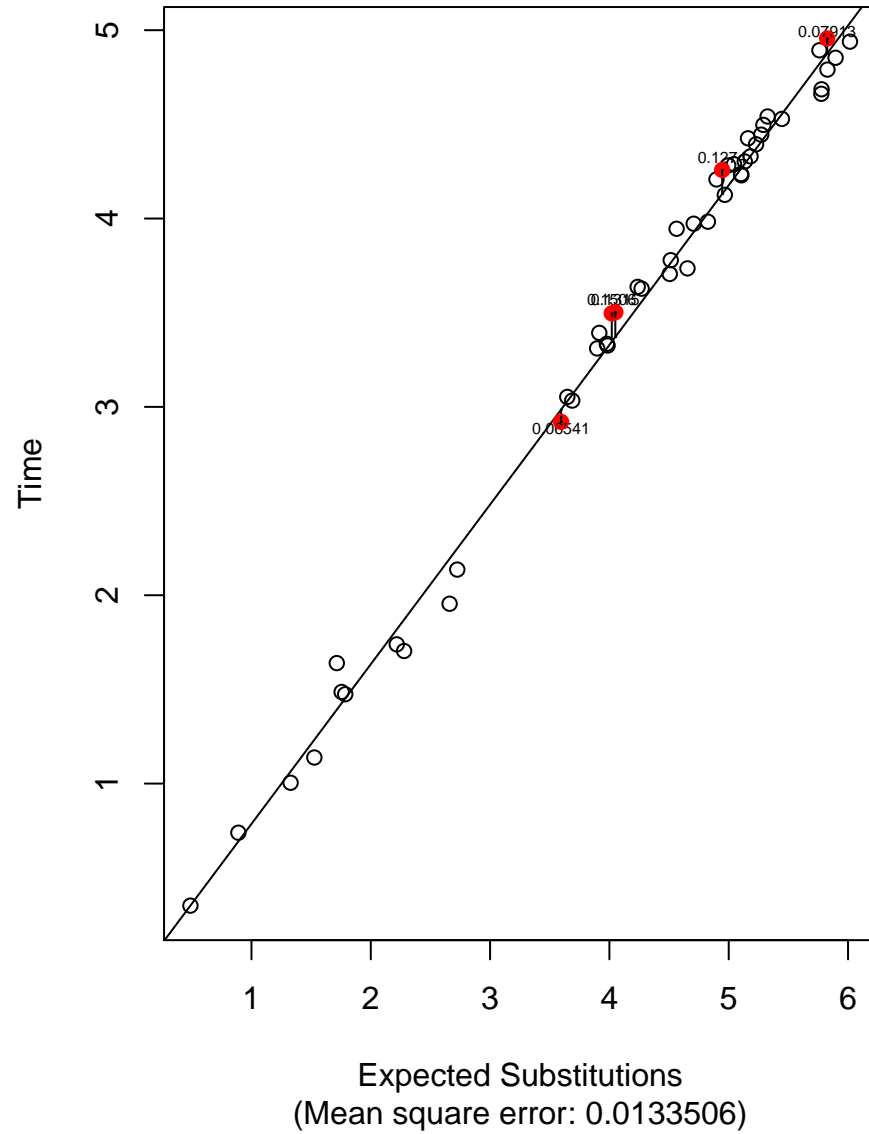
coal: Simulated-no.3 (Remove 5)

Time vs Distance



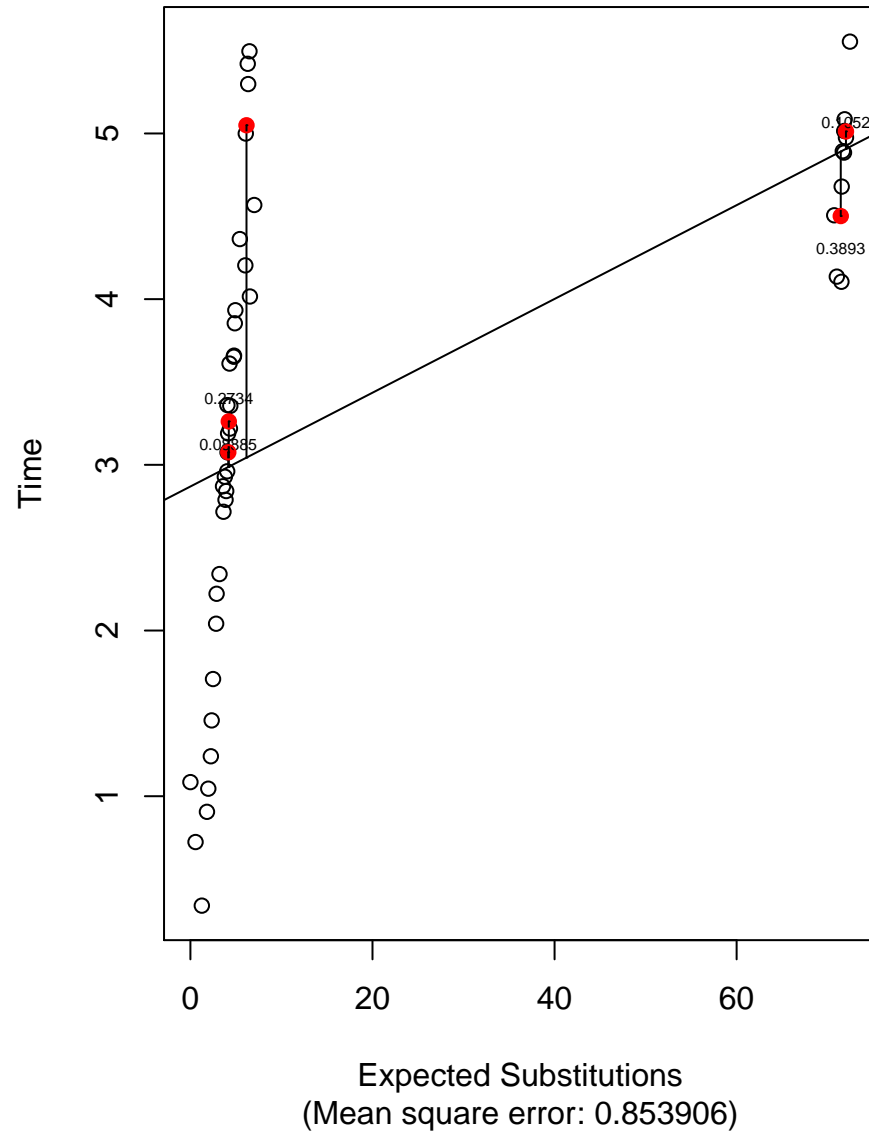
coal: Simulated-no.4 (Remove 5)

Time vs Distance



coal: Simulated-no.5 (Remove 5)

Time vs Distance



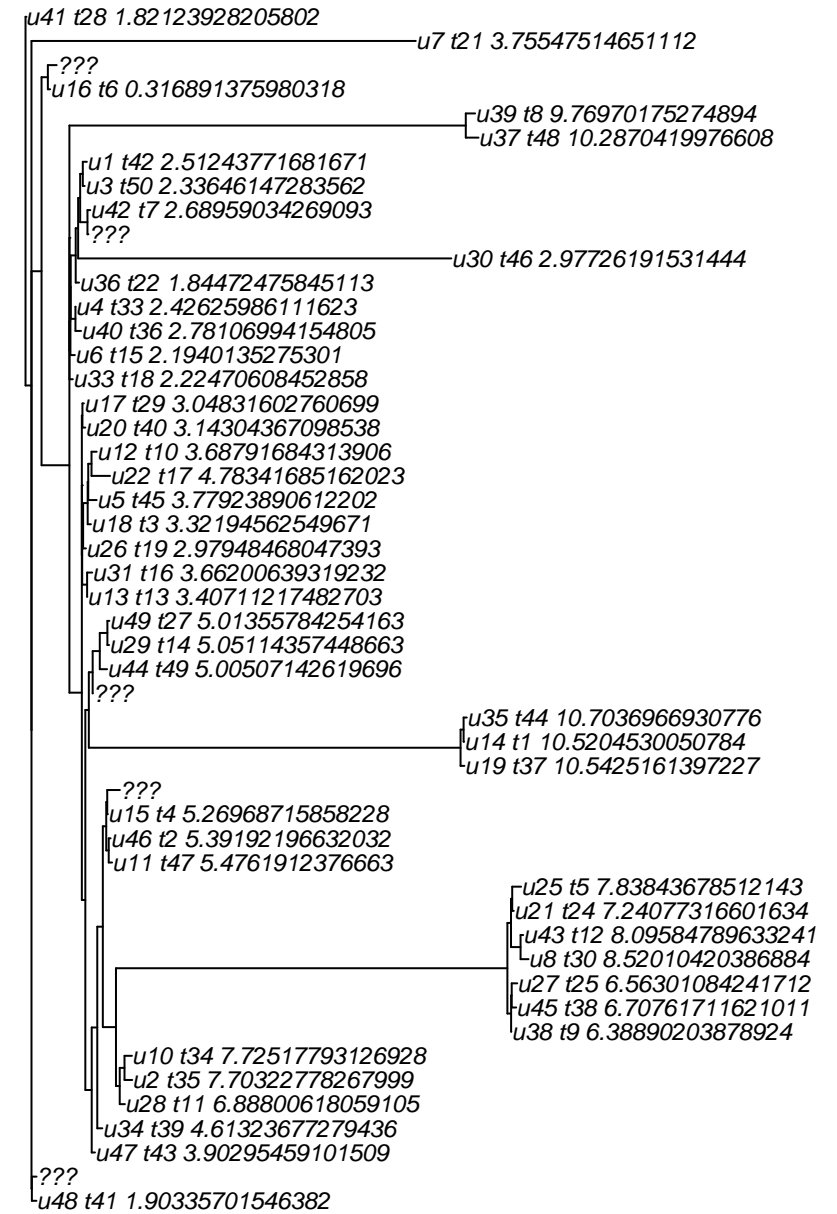
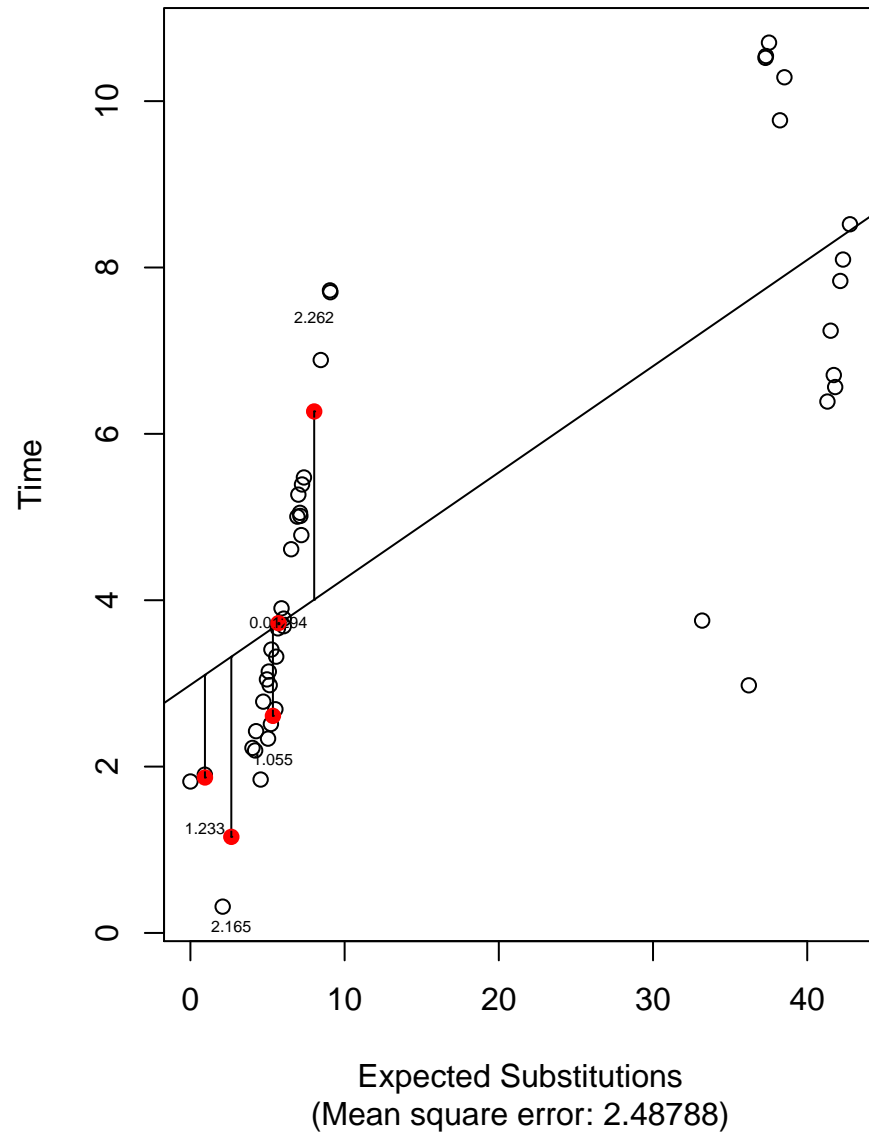
```

u28 t36 1.0852033083708
u9 t10 0.723581283603678
u26 t1 0.90591489255101
u3 t25 1.45757494391226
u7 t22 2.22194939746573
u24 t18 4.56843987009799
u42 t49 4.01631346410753
u41 t46 4.20401574089504
???
???
u12 t45 4.97509342526189
u5 t42 4.67946608331333
u34 t38 4.88468930858601
u37 t39 4.13615590124243
u33 t23 4.10511951963801
u15 t21 5.5545085078039
u32 t30 5.01528299001829
u6 t37 5.08597008263068
u46 t17 4.89317367486604
u14 t19 4.50633754513033
u10 t13 2.04120682621204
???
u20 t20 3.18988648364878
u49 t41 2.78895490363107
u48 t24 3.07555186401669
u11 t40 4.99962130610321
u23 t12 5.49622097922922
???
u4 t16 5.42071576635052
u27 t2 5.29831631414537
u2 t27 4.36282934843918
u38 t15 3.93328768010973
u45 t34 3.85442836819458
u50 t7 3.65244117881958
u19 t43 3.35598950371373
u43 t47 3.65924761519539
u36 t3 3.21892334410841
???
u22 t29 2.84200467872162
u8 t6 2.96105186702752
u44 t5 2.71681141568655
u16 t14 2.92837335264961
u29 t50 3.3606334975575
u17 t4 3.61125417231769
u39 t35 2.87097807601615
u21 t48 1.70727327223822
u25 t26 2.34097069742324
u35 t28 1.04558246623958
u31 t11 0.339728130312128
u30 t32 1.24114548256182

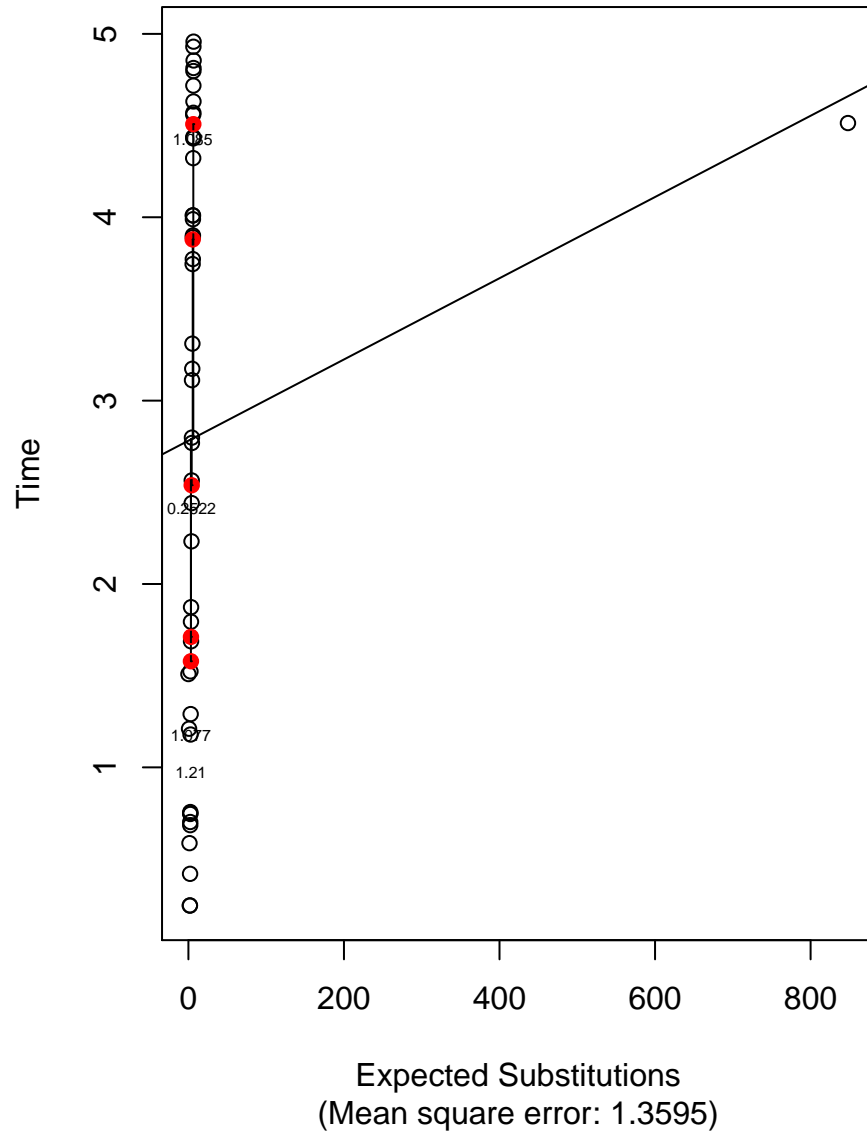
```

coal: Simulated-no.6 (Remove 5)

Time vs Distance



Time vs Distance

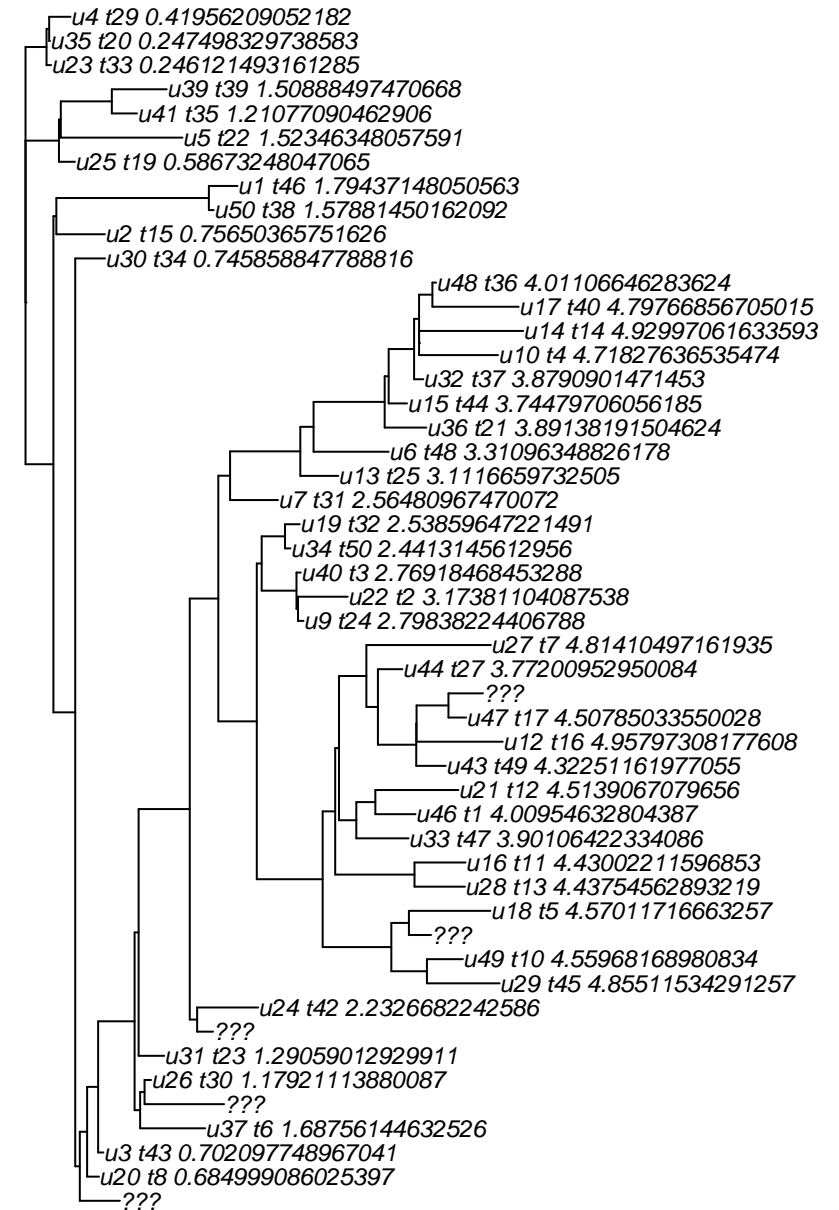
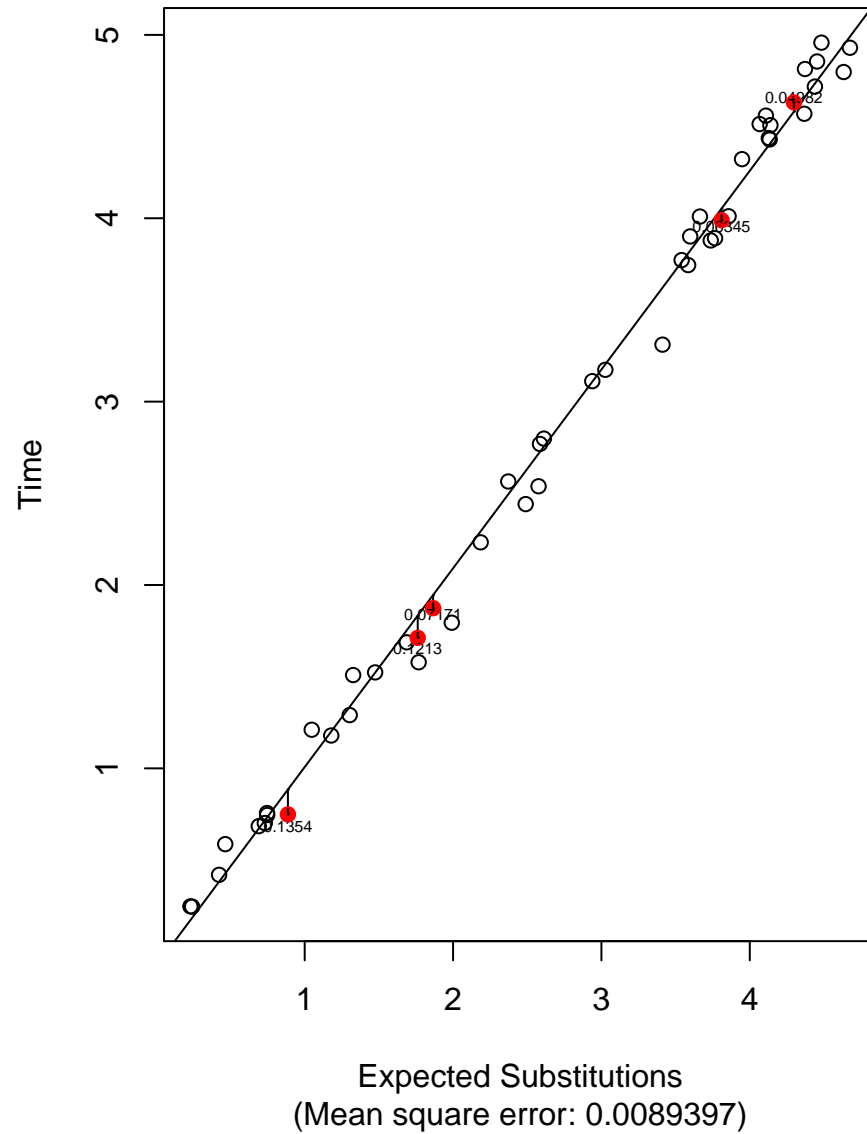


```

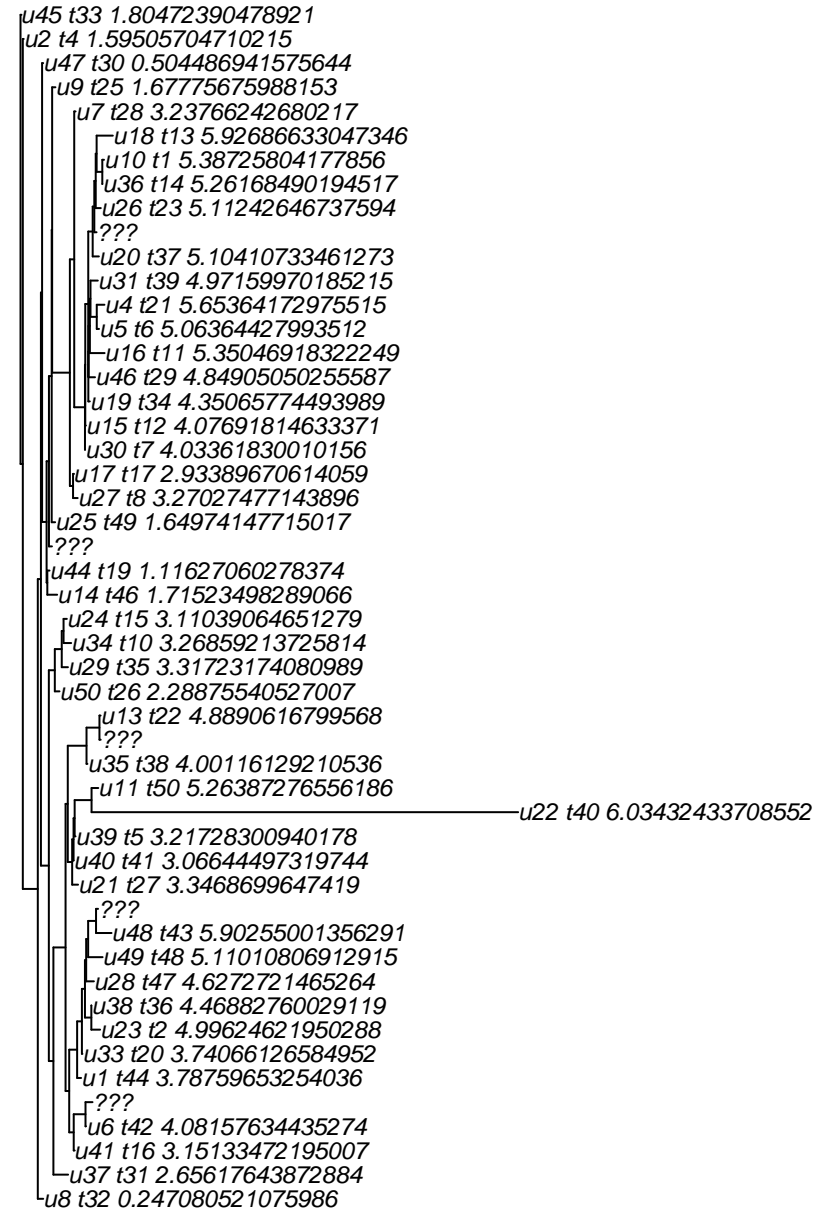
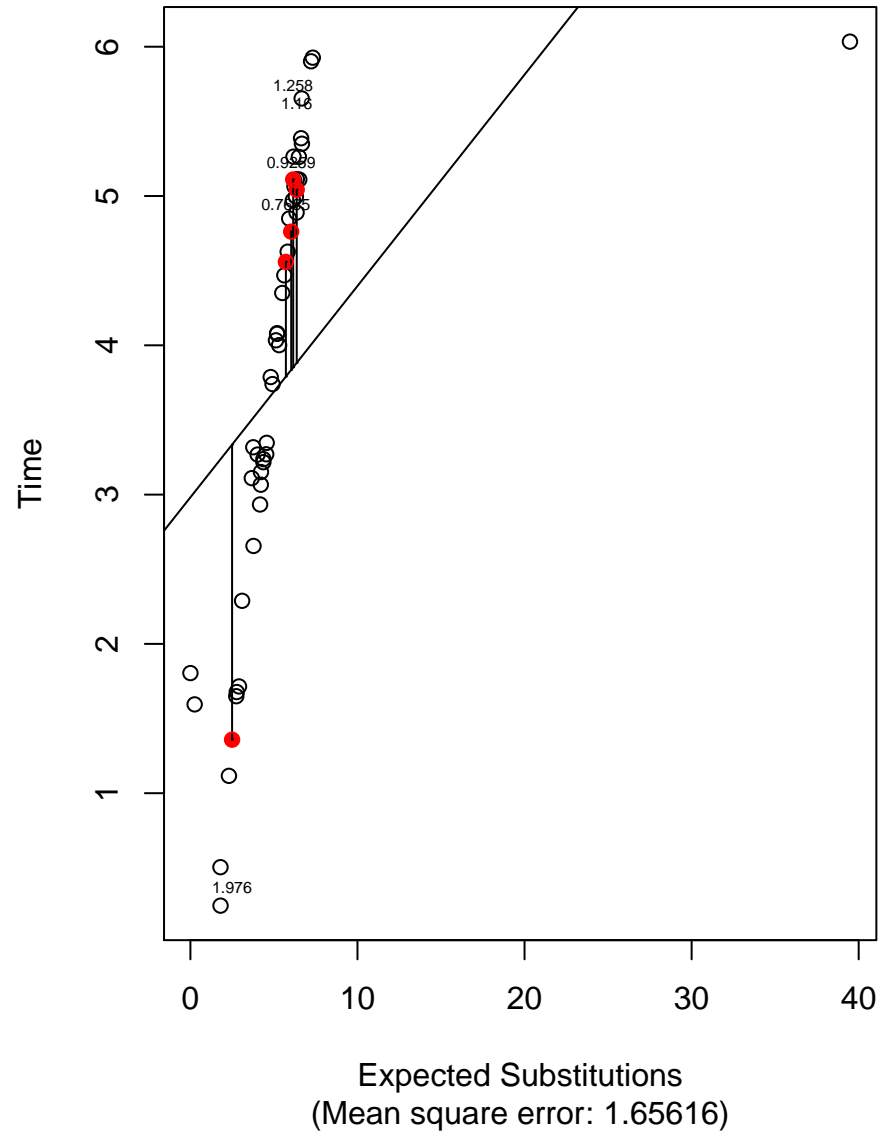
u6 t39 1.50888497470668
u28 t22 1.52346348057591
u30 t26 1.8737329013589
u44 t30 1.17921113880087
u33 t40 4.79766856705015
u5 t36 4.01106646283624
???
u15 t4 4.71827636535474
u38 t14 4.92997061633593
u7 t21 3.89138191504624
u27 t44 3.74479706056185
u35 t48 3.31096348826178
u4 t25 3.116659732505
u34 t31 2.56480967470072
u12 t50 2.4413145612956
???
u11 t27 3.77200952950084
u39 t7 4.81410497161935
u25 t28 4.63155694326388
???
u2 t16 4.95797308177608
u9 t49 4.32251161977055
u24 t1 4.00954632804387
u18 t47 3.90106422334086
u10 t12 4.5139067079656
u26 t11 4.43002211596853
u14 t13 4.43754562893219
u41 t5 4.57011716663257
u13 t9 3.98938819026079
u32 t10 4.55968168980834
u31 t45 4.85511534291257
u48 t2 3.17381104087538
u19 t24 2.79838224406788
u40 t3 2.76918468453288
u45 t42 2.2326682242586
???
u42 t6 1.68756144632526
u22 t23 1.29059012929911
u47 t43 0.702097748967041
u46 t8 0.684999086025397
u1 t34 0.745858847788816
u23 t18 0.749140745844549
u36 t15 0.75650365751626
u16 t46 1.79437148050563
???
u37 t29 0.41956209052182
u3 t20 0.247498329738583
u8 t33 0.246121493161285
u21 t19 0.58673248047065
u20 t35 1.21077090462906
    
```

coal: Simulated-no.8 (Remove 5)

Time vs Distance

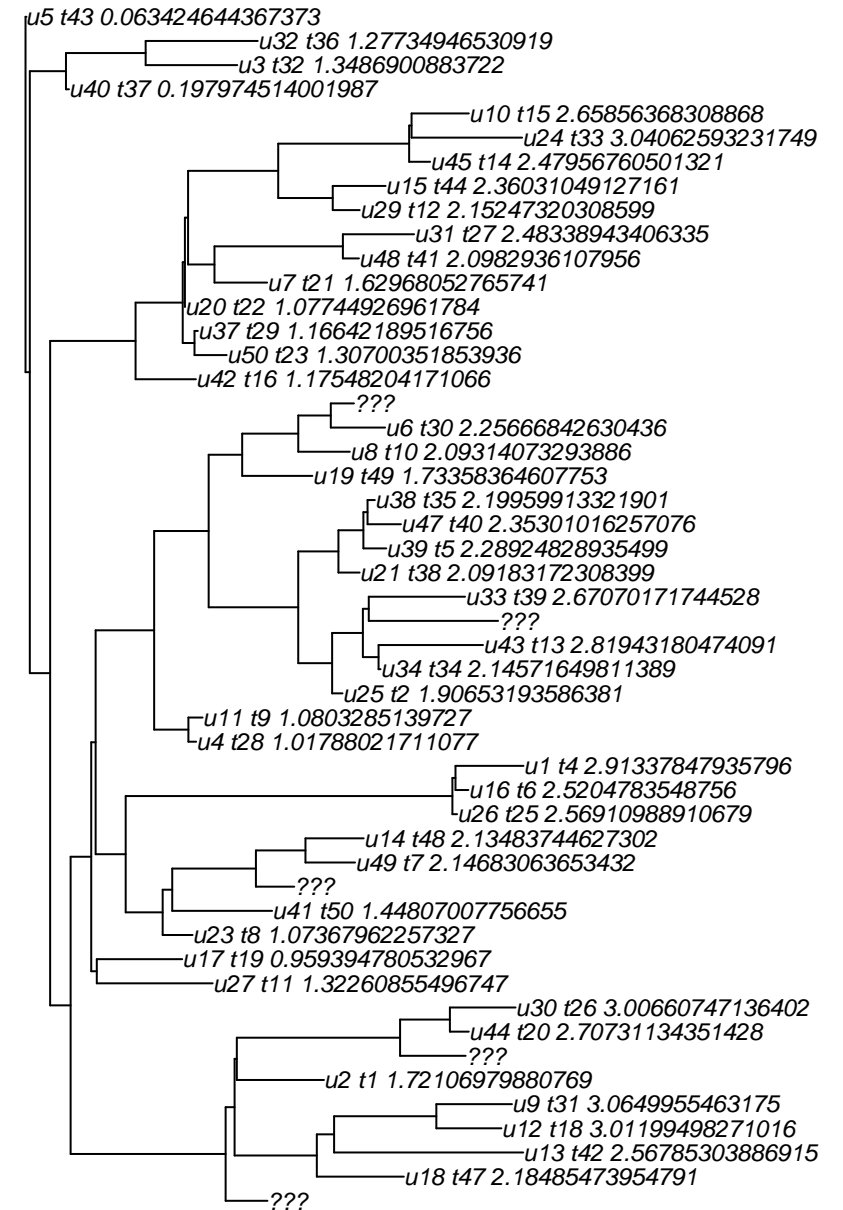
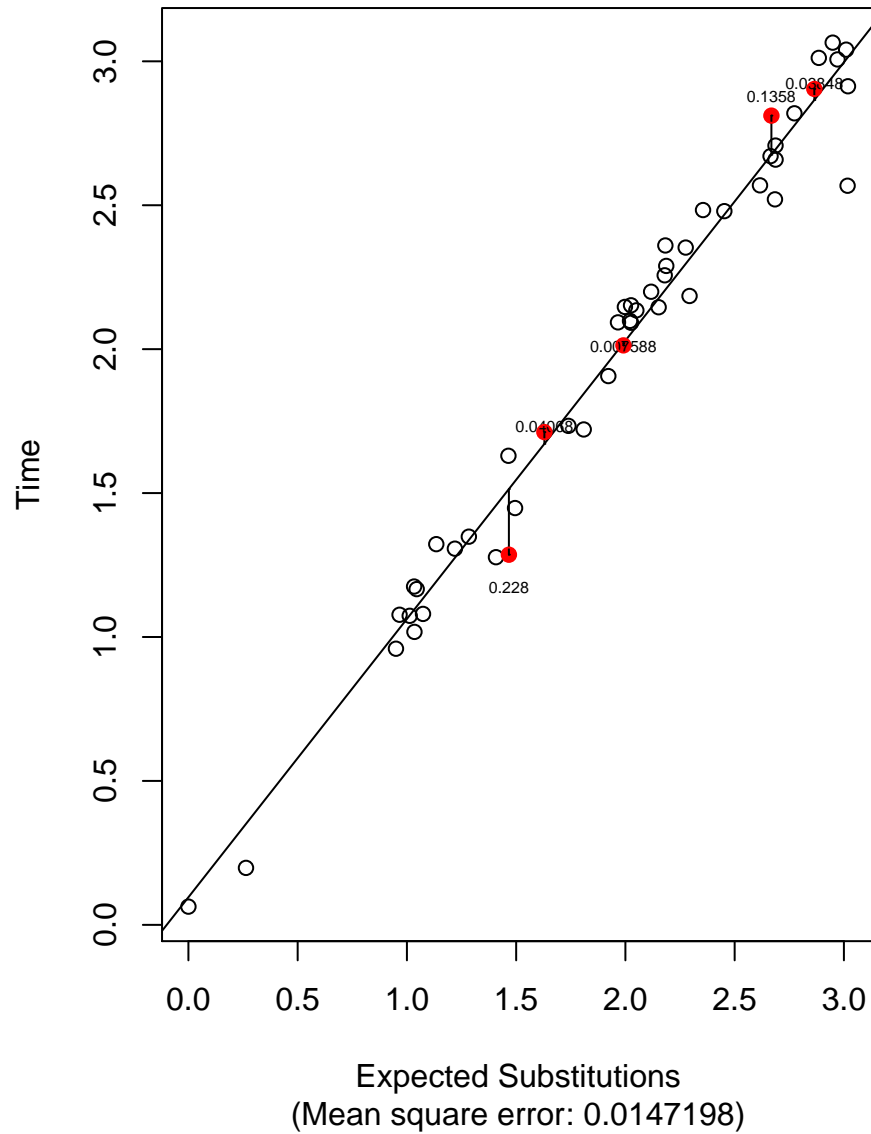


Time vs Distance



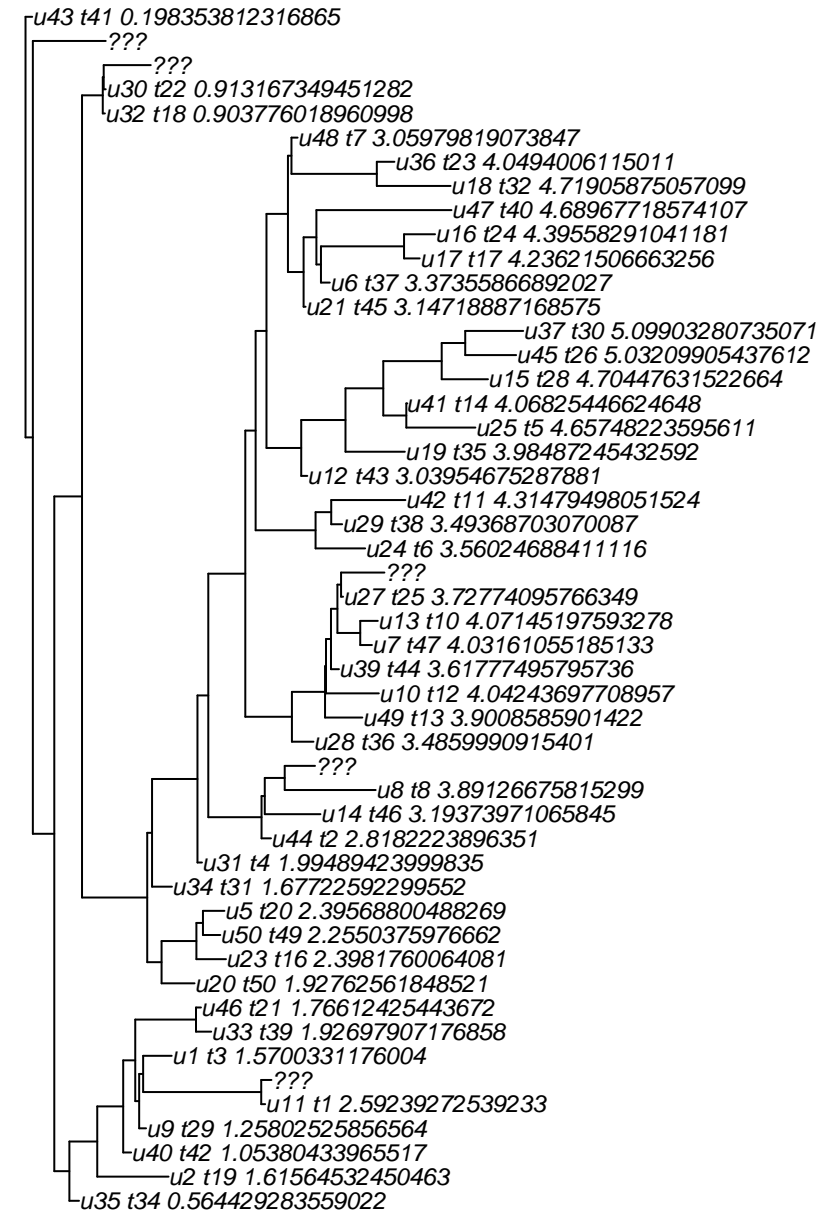
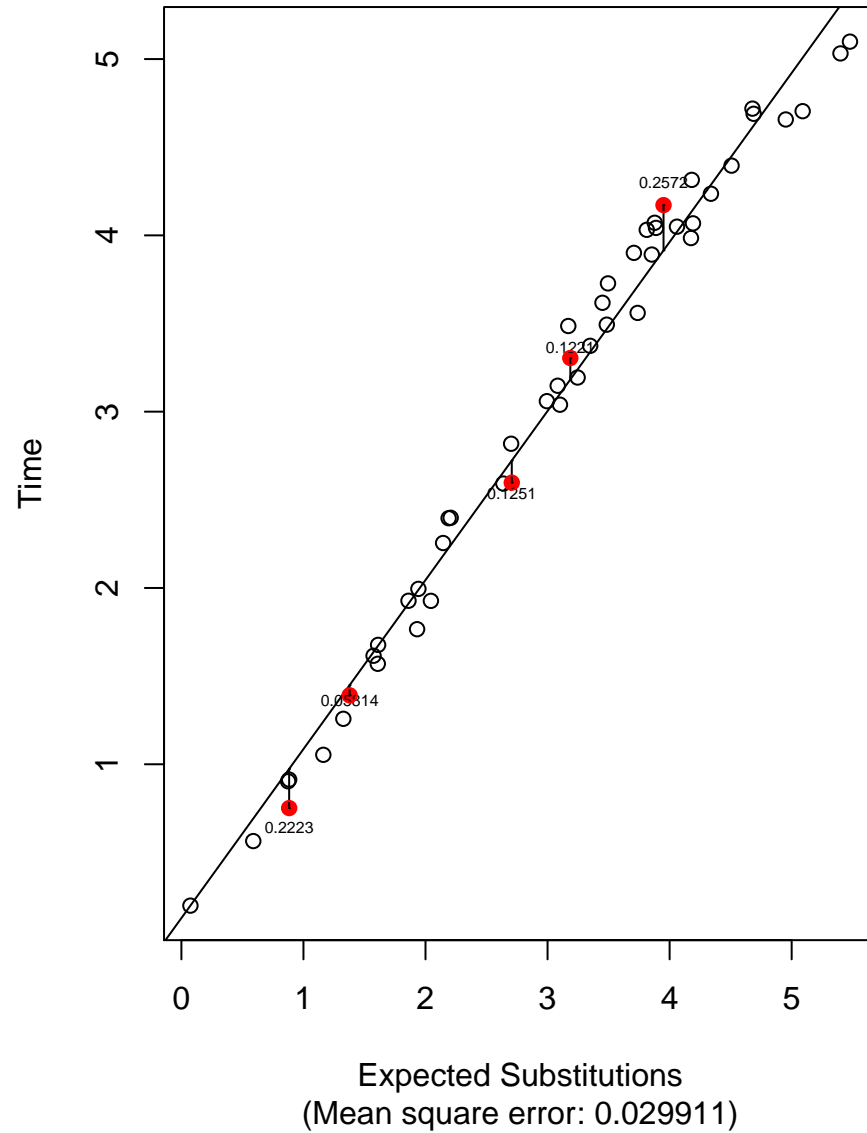
coal: Simulated-no.10 (Remove 5)

Time vs Distance



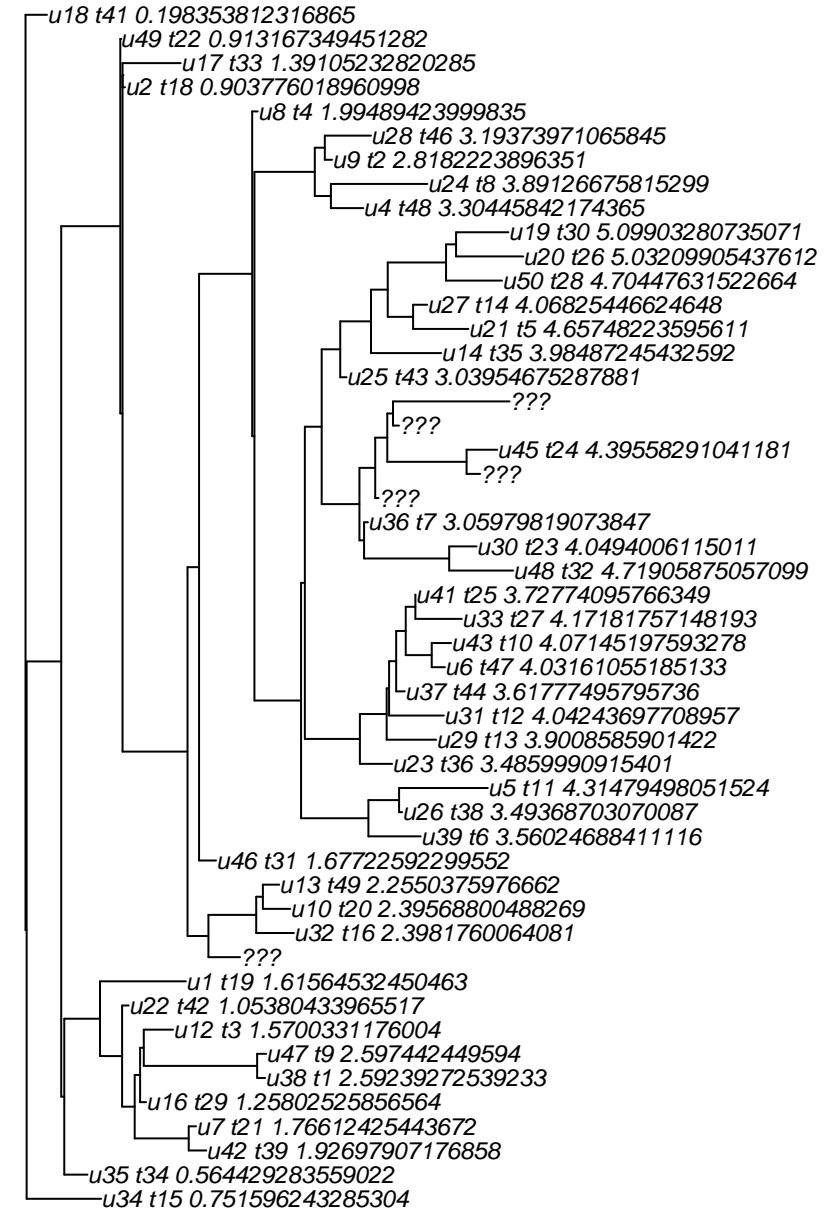
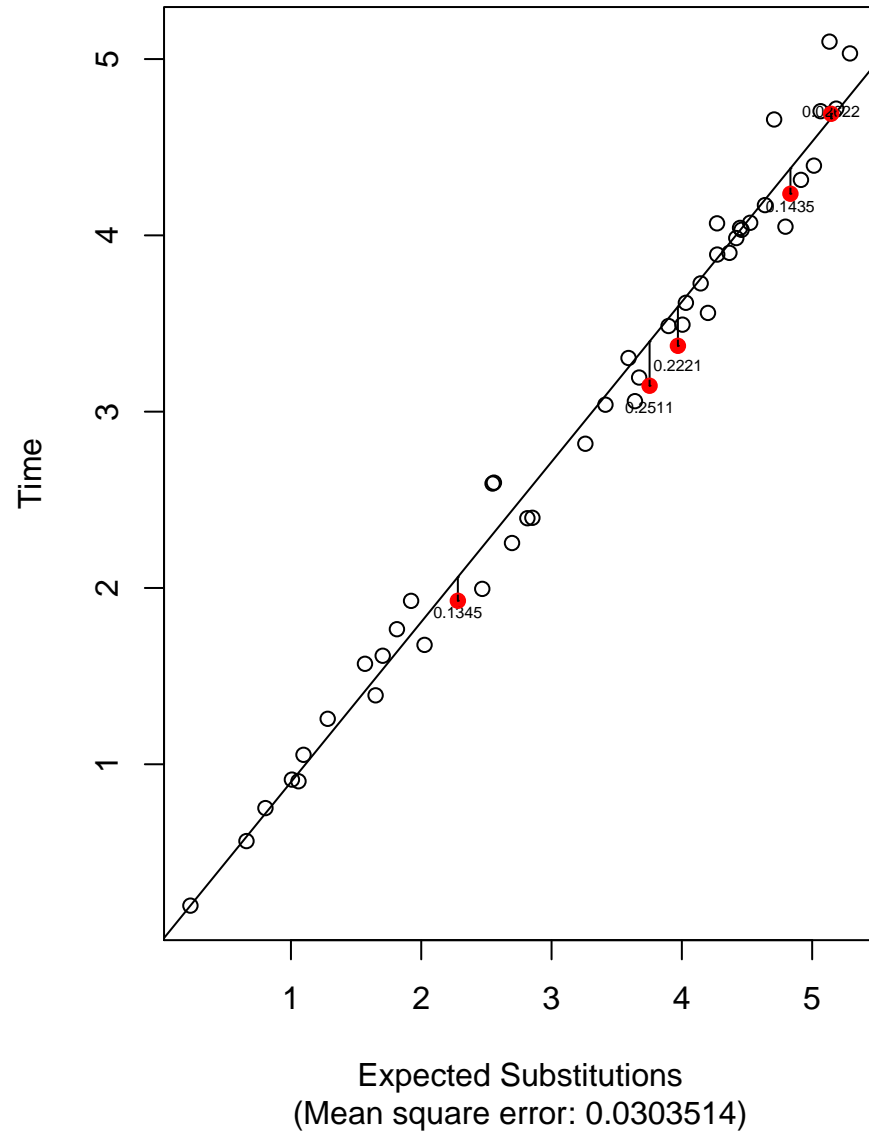
coal: Simulated-no.11 (Remove 5)

Time vs Distance



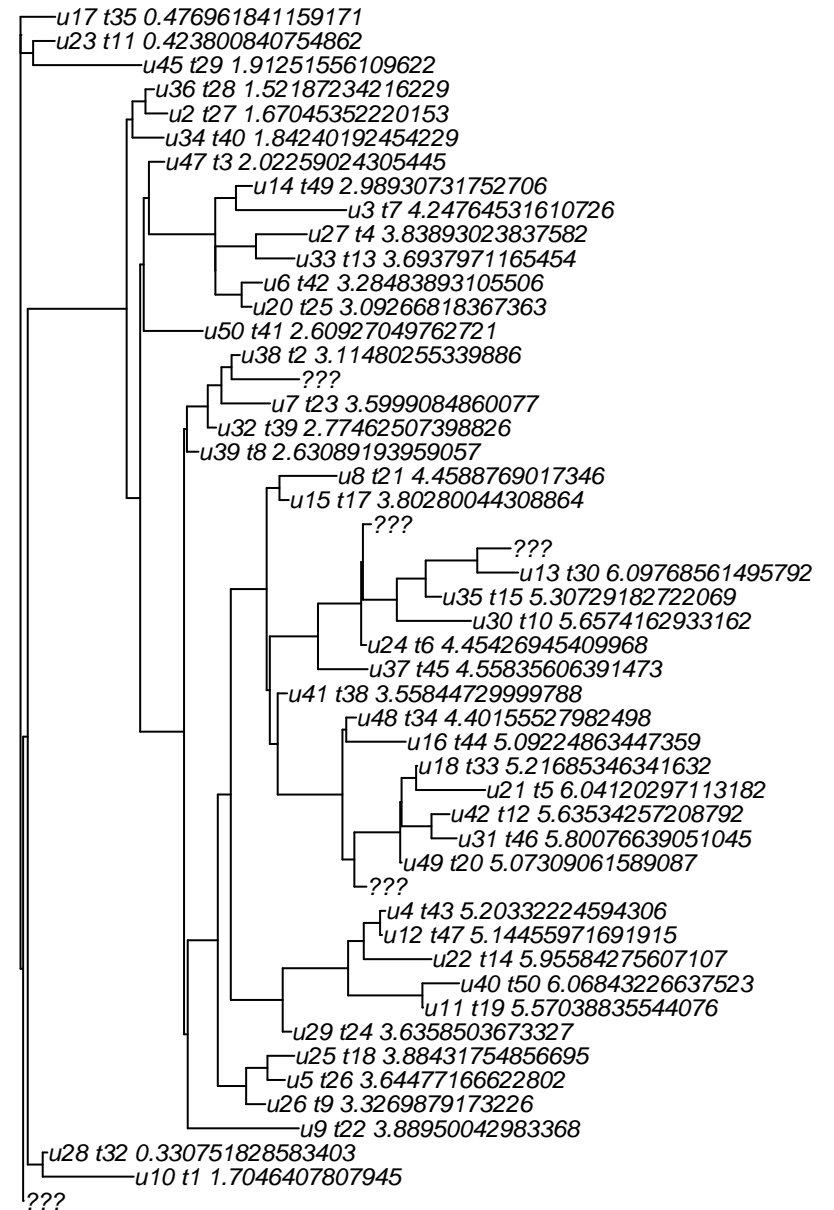
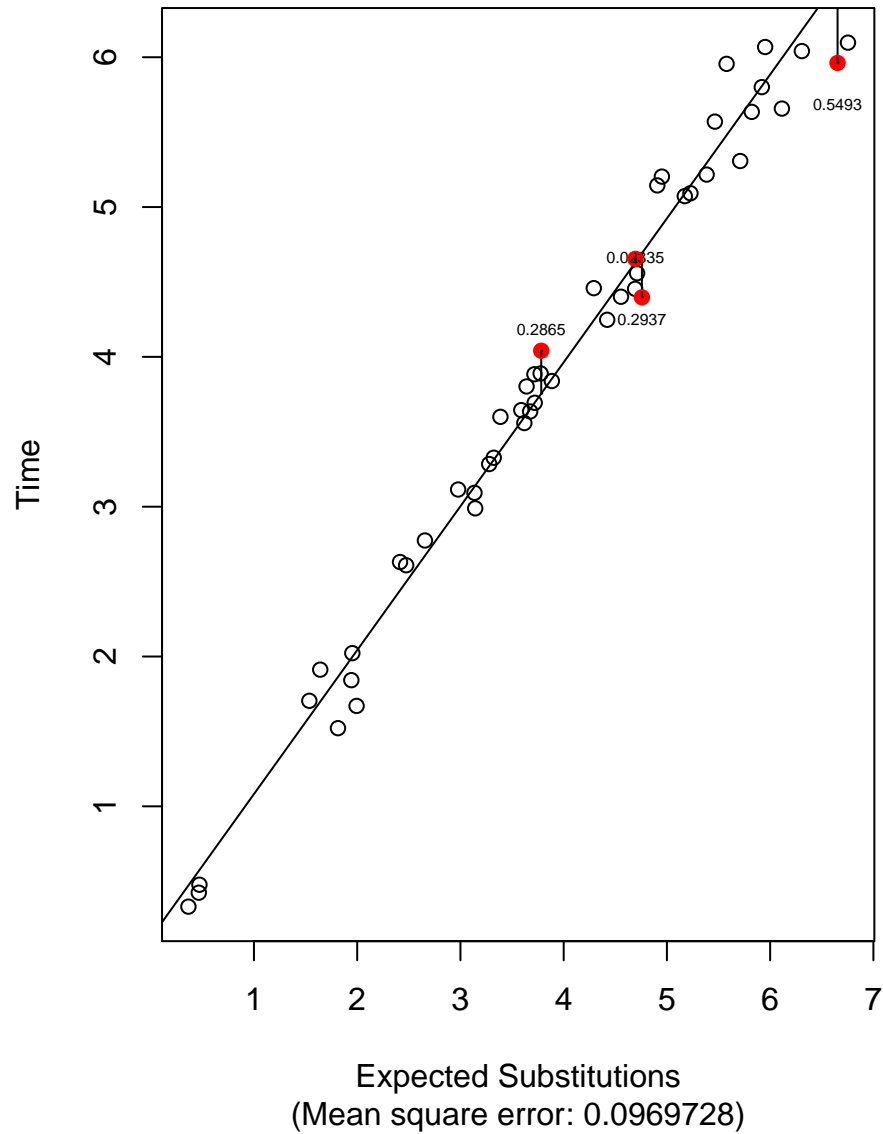
coal: Simulated-no.12 (Remove 5)

Time vs Distance



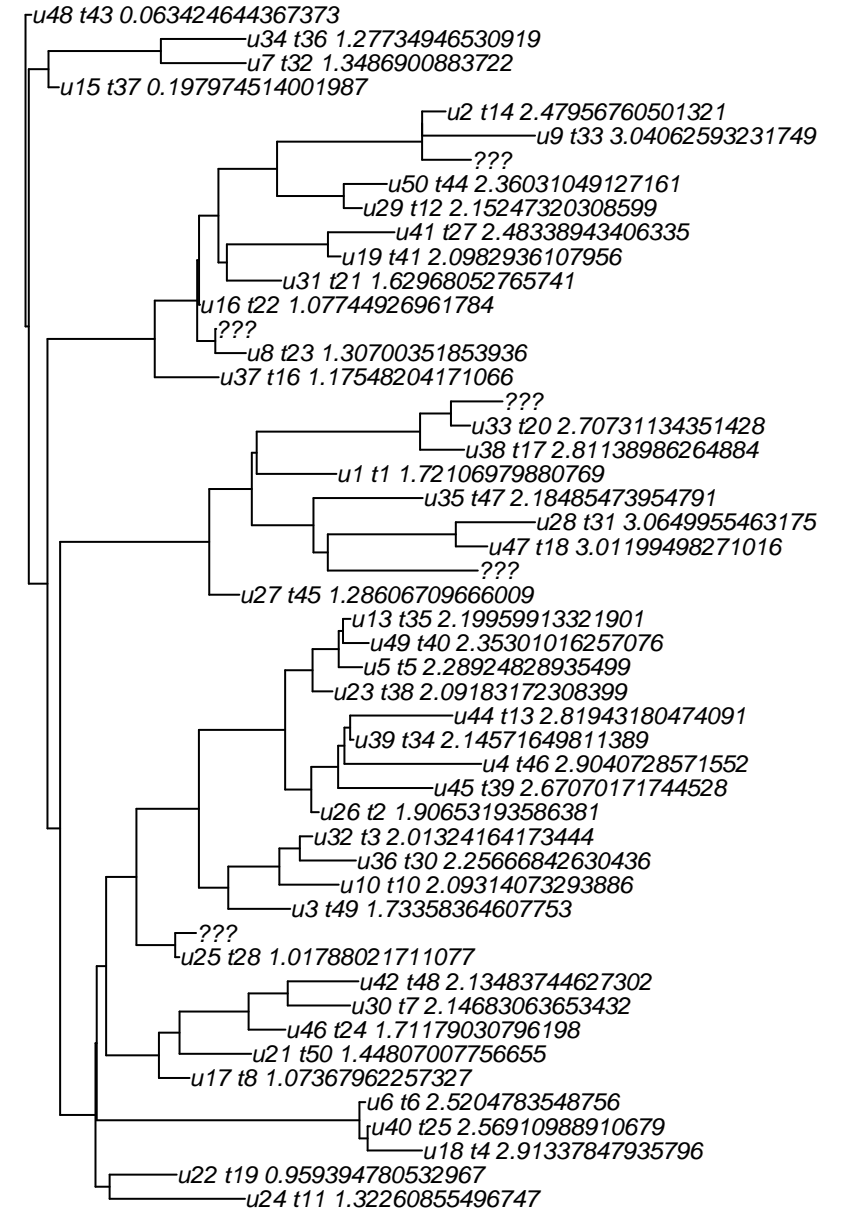
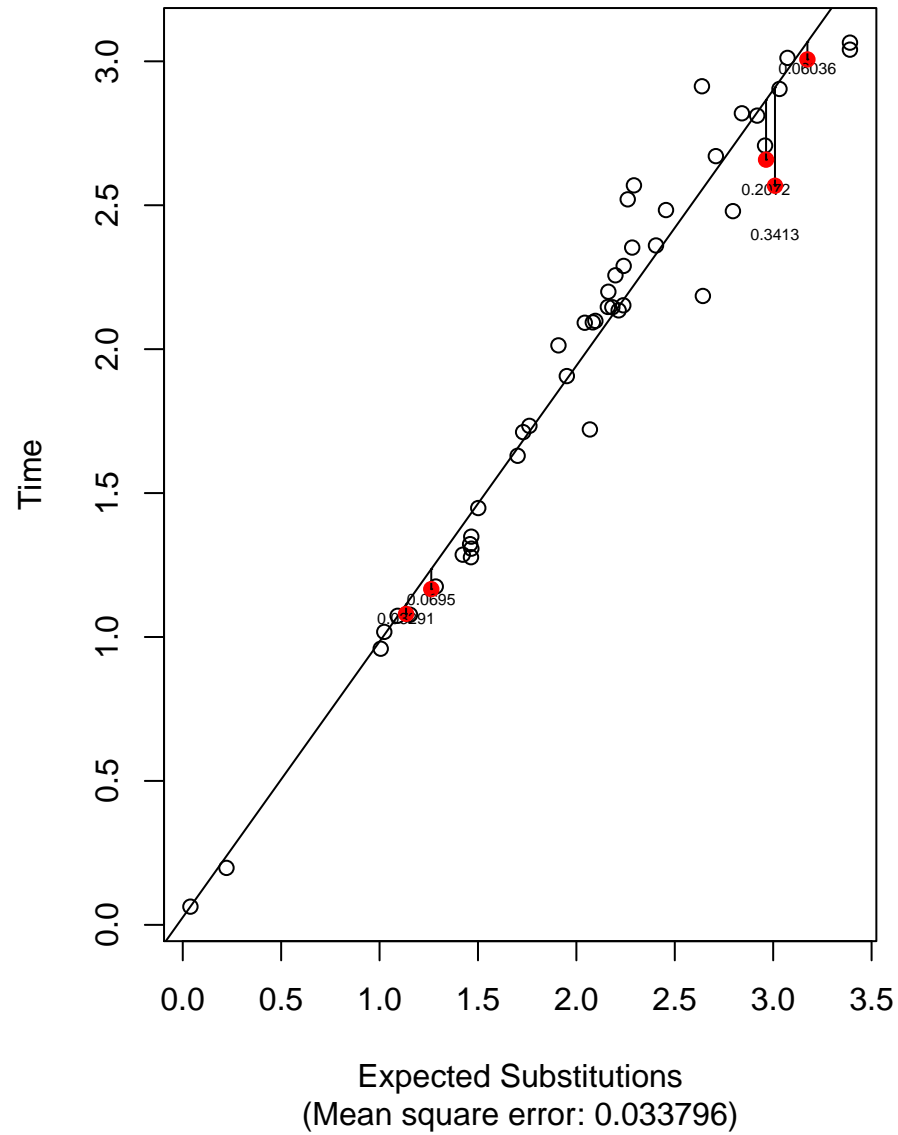
coal: Simulated-no.13 (Remove 5)

Time vs Distance



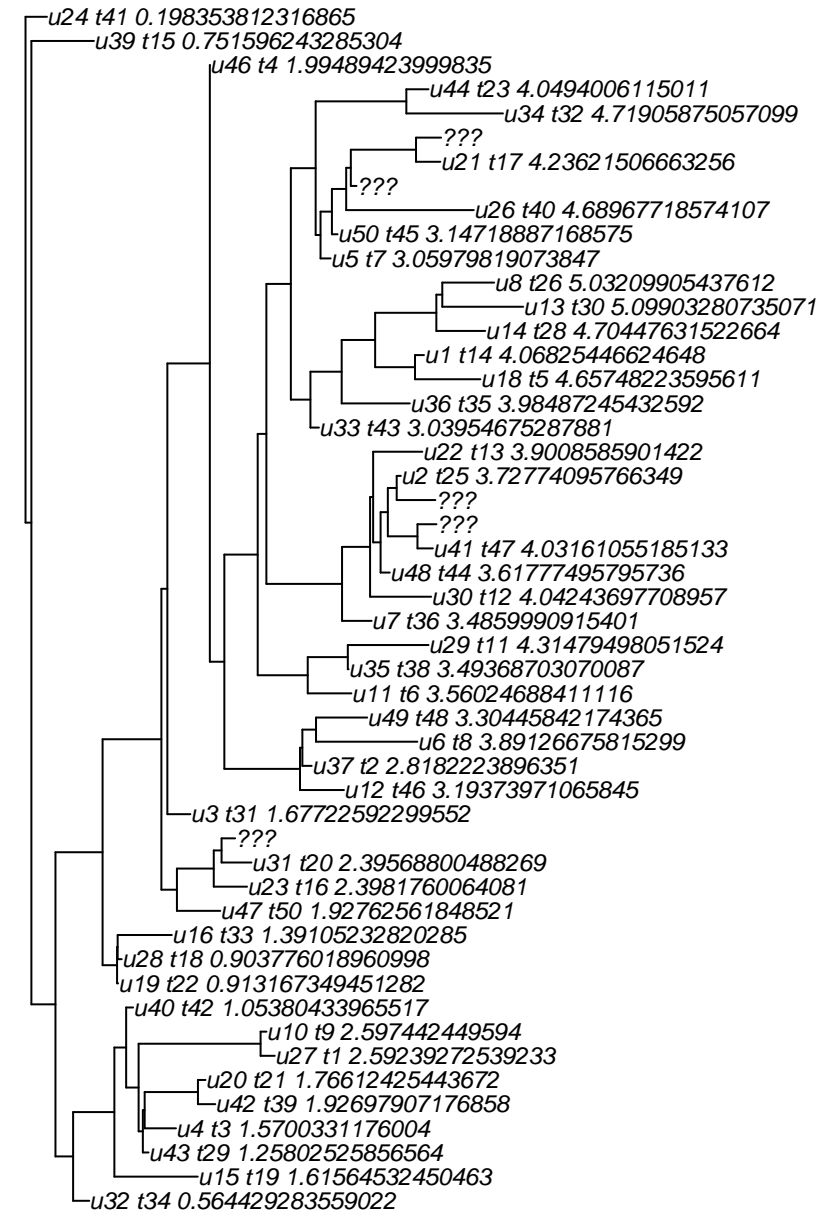
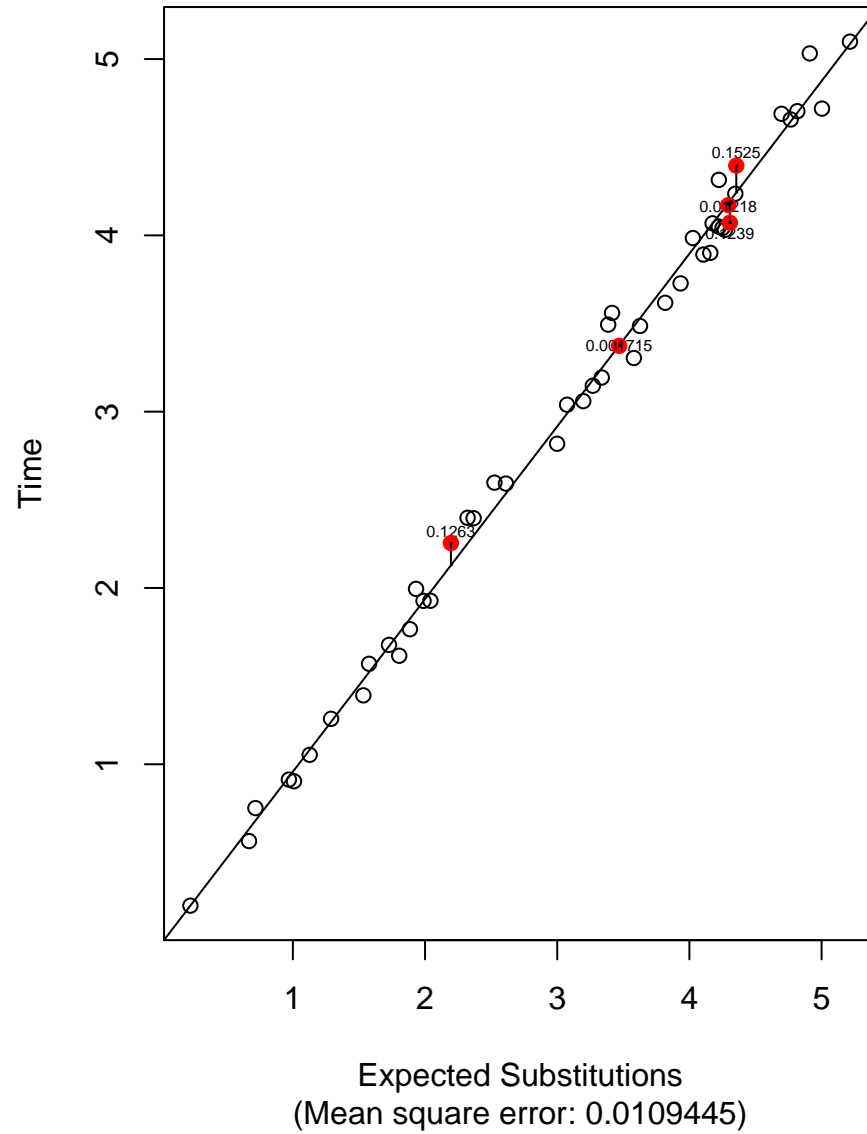
coal: Simulated-no.14 (Remove 5)

Time vs Distance



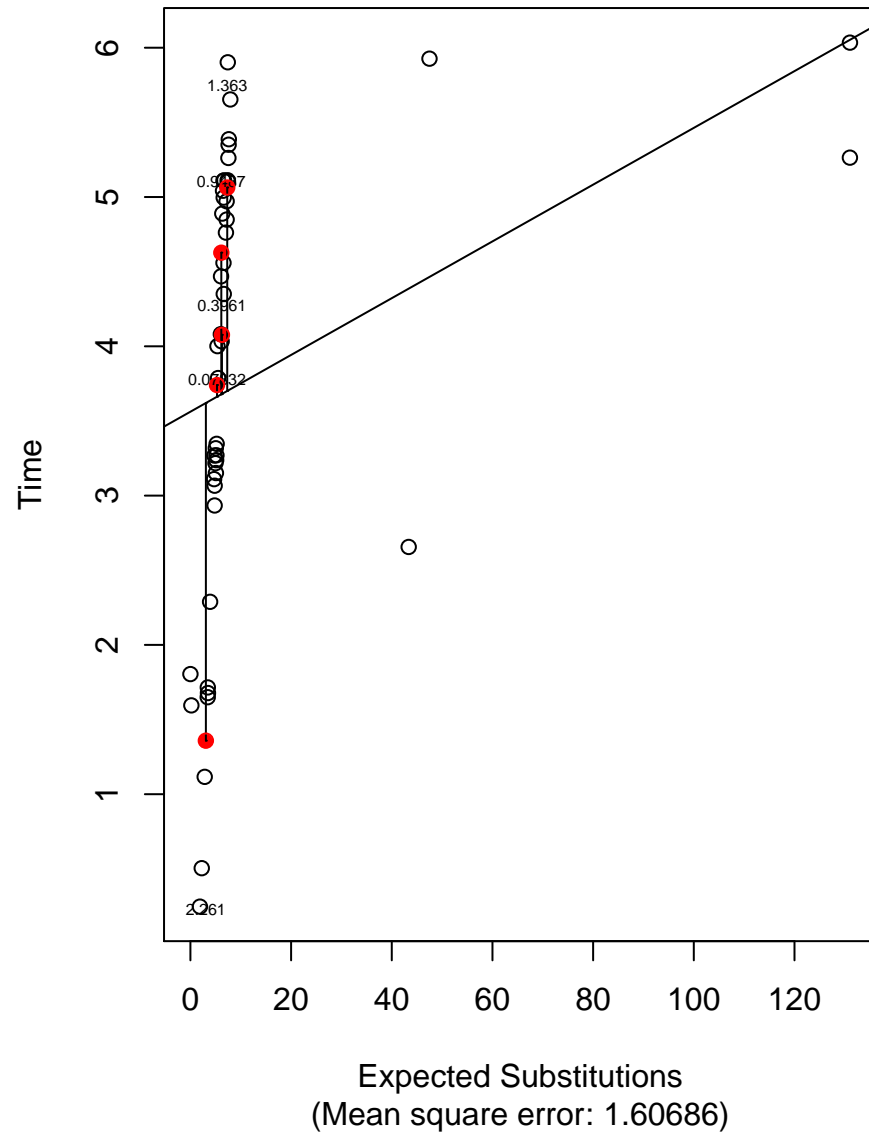
coal: Simulated-no.15 (Remove 5)

Time vs Distance



coal: Simulated-no.16 (Remove 5)

Time vs Distance

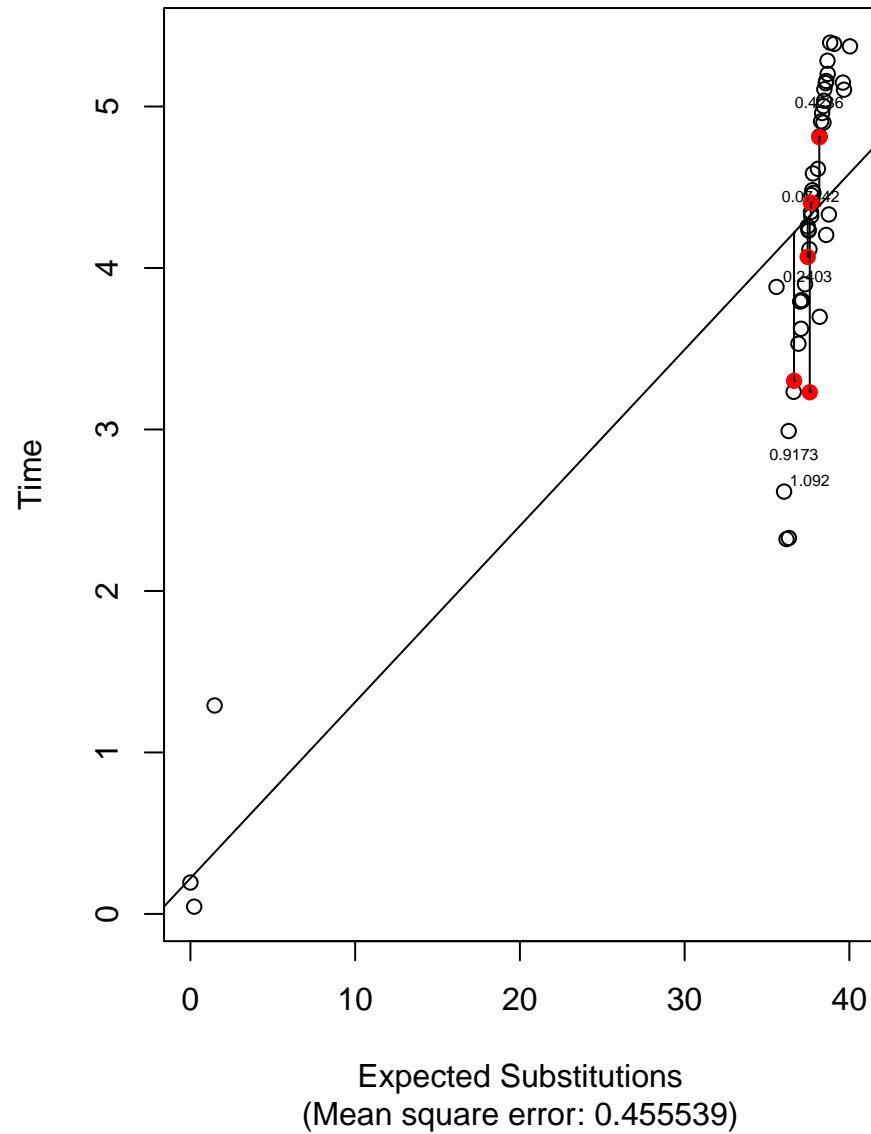


```

u28 t33 1.80472390478921
u11 t30 0.504486941575644
u39 t34 4.35065774493989
u41 t29 4.84905050255587
u38 t39 4.97159970185215
      u26 t13 5.92686633047346
???
u40 t21 5.65364172975515
u10 t11 5.35046918322249
u20 t1 5.38725804177856
u47 t14 5.26168490194517
u29 t23 5.11242646737594
u22 t9 4.76180431948211
u32 t37 5.10410733461273
???
u19 t7 4.03361830010156
u33 t28 3.23766242680217
u37 t8 3.27027477143896
u27 t17 2.93389670614059
u23 t25 1.67775675988153
u9 t49 1.64974147715017
???
u44 t46 1.71523498289066
u21 t19 1.11627060278374
u12 t18 4.55909574127469
u15 t42 4.08157634435274
u3 t16 3.15133472195007
u13 t24 5.11082267417832
u46 t43 5.90255001356291
???
u8 t48 5.11010806912915
u35 t2 4.99624621950288
u36 t36 4.46882760029119
???
u4 t44 3.78759653254036
u1 t5 3.21728300940178
u31 t41 3.06644497319744
u42 t27 3.3468699647419
      u6 t31 2.65617643872884
      u24 t40 6.03432433708552
      u2 t50 5.26387276556186
u5 t22 4.8890616799568
u50 t45 5.04218603762866
u17 t38 4.00116129210536
u30 t10 3.26859213725814
u49 t15 3.11039064651279
u45 t35 3.31723174080989
u18 t26 2.28875540527007
u34 t32 0.247080521075986
u7 t4 1.59505704710215

```


Time vs Distance

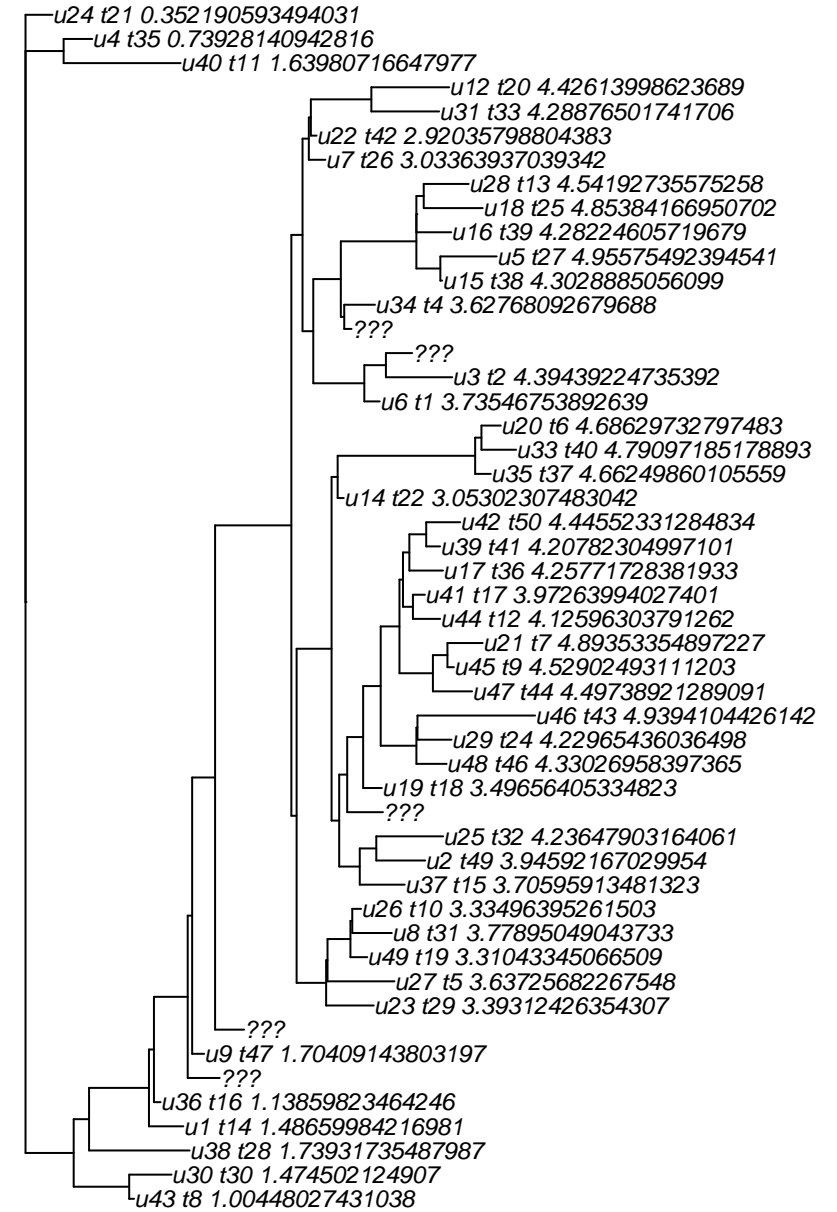
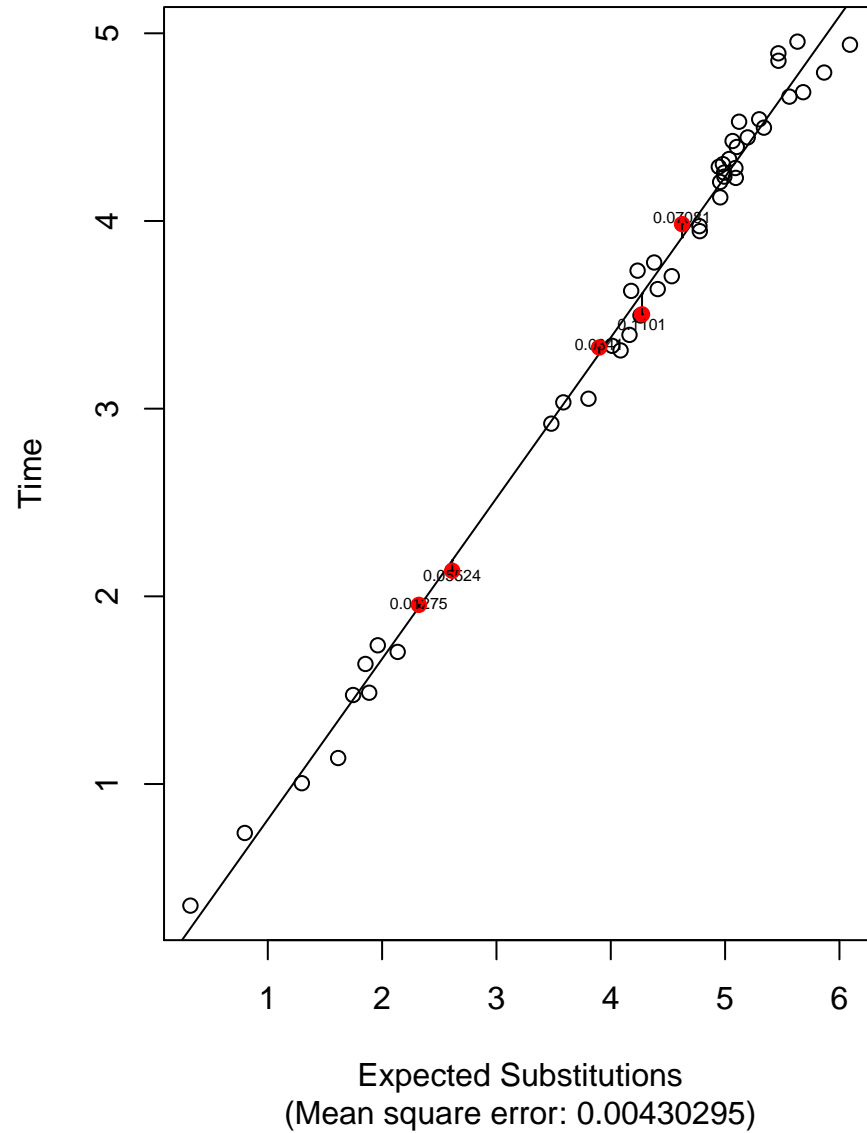


```
u12 t40 0.194655493379726
-u33 t15 1.29106679080949
u37 t28 0.0453844128157167
```

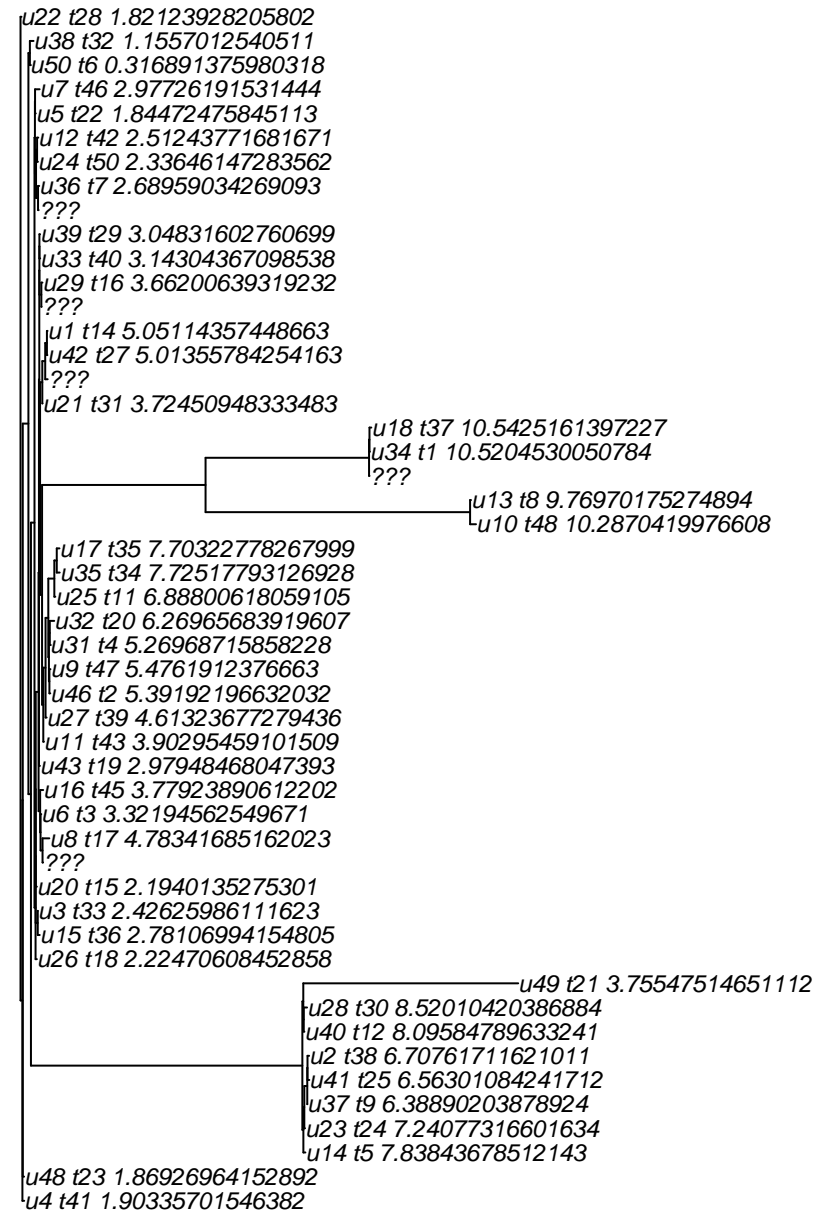
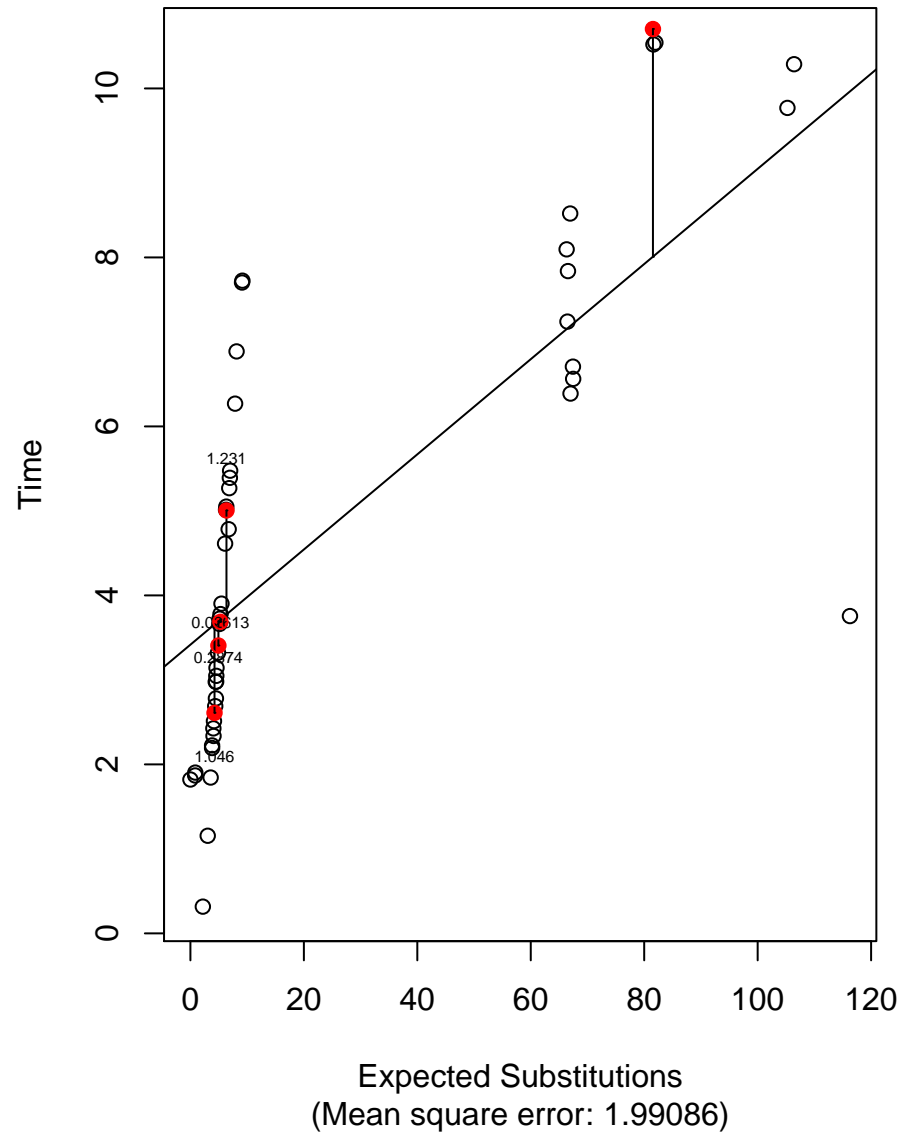
u50 t12 2.32809430759655
├── u25 t44 5.10418898910309
│ ├── u44 t39 5.37257332267458
│ │ ├── u38 t32 5.14834462135719
│ │ │ ├── u43 t20 4.33172198847842
│ │ │ └── u40 t34 4.20487433889952
│ │ └── ???
│ └── u15 t10 3.69771537727352
├── u2 t6 2.32134470137091
│ ├── u45 t38 4.81567610526118
│ │ ├── u10 t18 4.34699118285948
│ │ │ ├── u1 t13 4.25743071600948
│ │ │ └── u7 t11 3.79784392768684
│ │ └── ???
│ └── u19 t14 4.90038851754938
│ ├── u27 t5 4.32230099482979
│ │ ├── u4 t49 4.46540770042145
│ │ │ ├── u3 t48 5.28394229374986
│ │ │ └── u36 t45 4.11616438278212
│ │ └── u8 t31 5.3877385913298
│ ├── u17 t21 4.61431601900806
│ │ ├── u48 t23 5.20204840217013
│ │ │ ├── u42 t42 4.90815078739284
│ │ │ │ ├── u11 t16 5.00235200896853
│ │ │ │ ├── u14 t24 5.03599576220422
│ │ │ │ └── u21 t26 5.14491708093388
│ │ │ └── ???
│ │ └── u5 t1 4.95978262287111
│ ├── u41 t36 5.10691864618009
│ └── u16 t22 3.89949685263842
├── u31 t9 3.7922238421357
└── ???
u9 t3 3.23332676222572
├── u32 t2 5.1583119801019
│ ├── u34 t25 5.39578410034042
│ └── u29 t50 4.48187460475385
├── ???
│ ├── u26 t47 4.23138136125226
│ │ ├── u24 t30 4.23820536971162
│ │ │ ├── u23 t43 4.45169757173545
│ │ │ └── u22 t17 4.58567138193237
│ │ └── u13 t27 3.80137885099444
│ ├── u18 t29 3.62375405282046
│ └── u30 t35 2.99048452021521
├── u20 t41 3.53139738993221
├── u39 t37 2.615558981271202
└── u6 t33 3.88293270107088

coal: Simulated-no.18 (Remove 5)

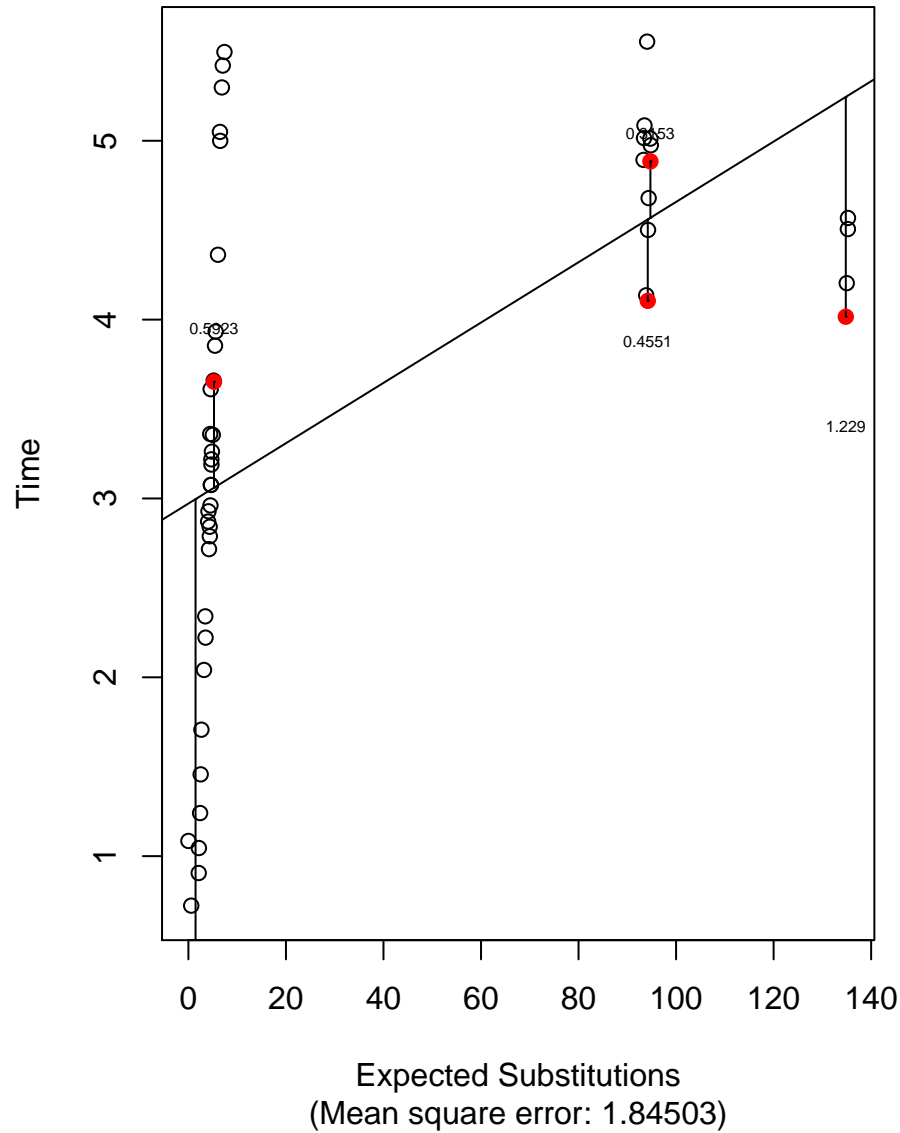
Time vs Distance



Time vs Distance



Time vs Distance



```

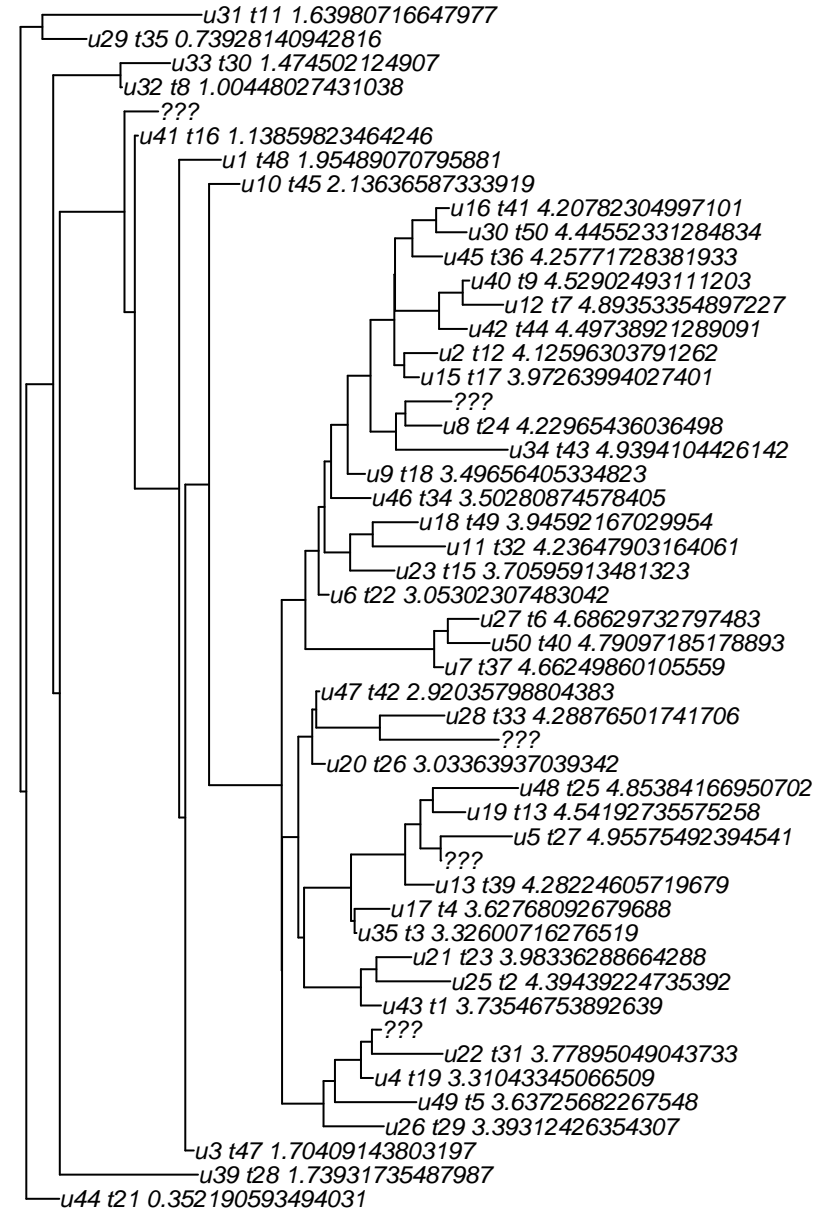
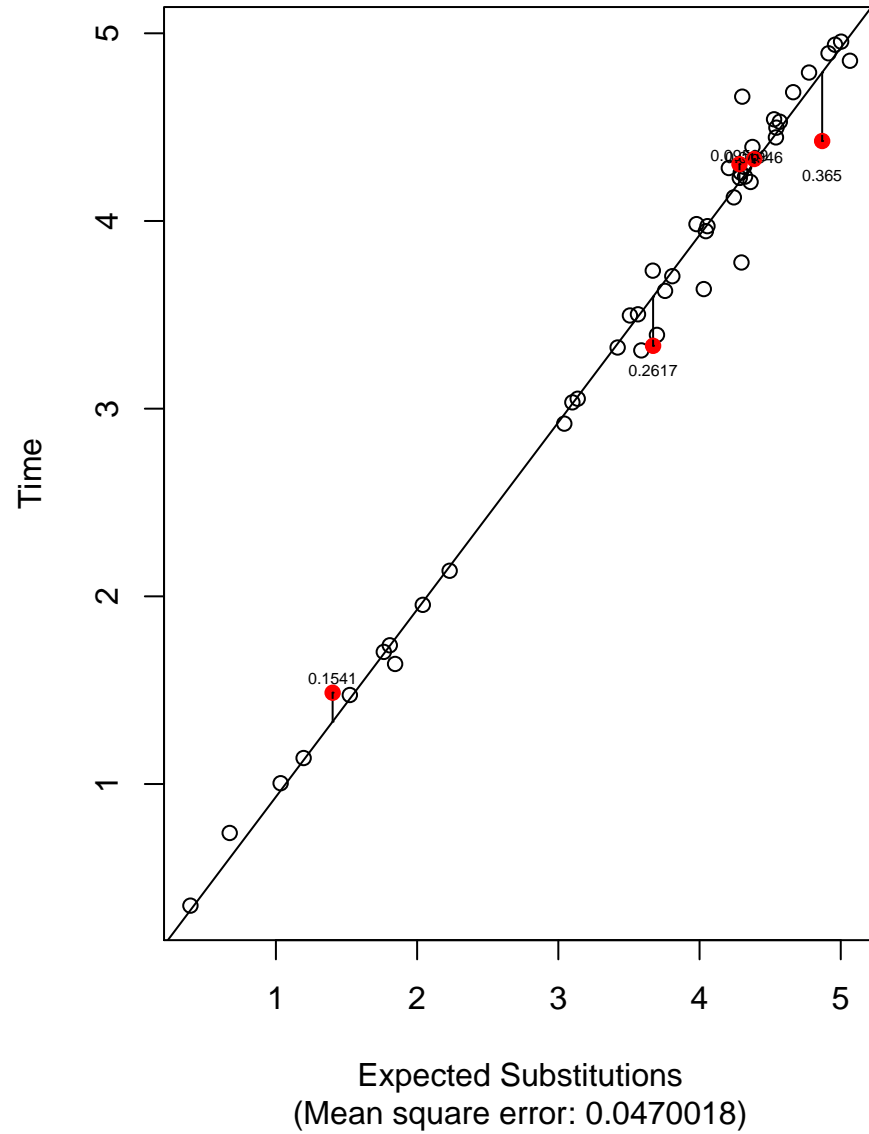
u31 t36 1.0852033083708
u30 t10 0.723581283603678
???
u39 t26 2.34097069742324
u3 t28 1.04558246623958
u5 t22 2.22194939746573
u42 t25 1.45757494391226
u1 t13 2.04120682621204
u48 t6 2.96105186702752
u8 t3 3.21892334410841
u33 t47 3.65924761519539
u25 t44 3.07588498107007
u50 t29 2.84200467872162
u18 t5 2.71681141568655
u37 t31 3.26199509440355
u24 t20 3.18988648364878
u6 t41 2.78895490363107
u22 t40 4.99962130610321
u40 t34 3.85442836819458
u45 t15 3.93328768010973
u20 t27 4.36282934843918
u10 t16 5.42071576635052
u21 t2 5.29831631414537
u34 t9 5.04969531504399
u7 t12 5.49622097922922
???
u23 t24 3.07555186401669
u36 t43 3.35598950371373
u2 t14 2.92837335264961
u16 t48 1.70727327223822
u43 t50 3.3606334975575
u46 t4 3.61125417231769
u19 t35 2.87097807601615

u38 t18 4.56843987009799
???
u14 t19 4.50633754513033
u49 t46 4.20401574089504
u47 t45 4.97509342526189
u35 t8 4.5016544291516
u27 t33 5.01223021939249
???
u29 t42 4.67946608331333
u32 t39 4.13615590124243
???
u17 t37 5.08597008263068
u44 t30 5.01528299001829
u26 t21 5.5545085078039
u15 t17 4.89317367486604

u13 t1 0.90591489255101
u4 t32 1.24114548256182
    
```

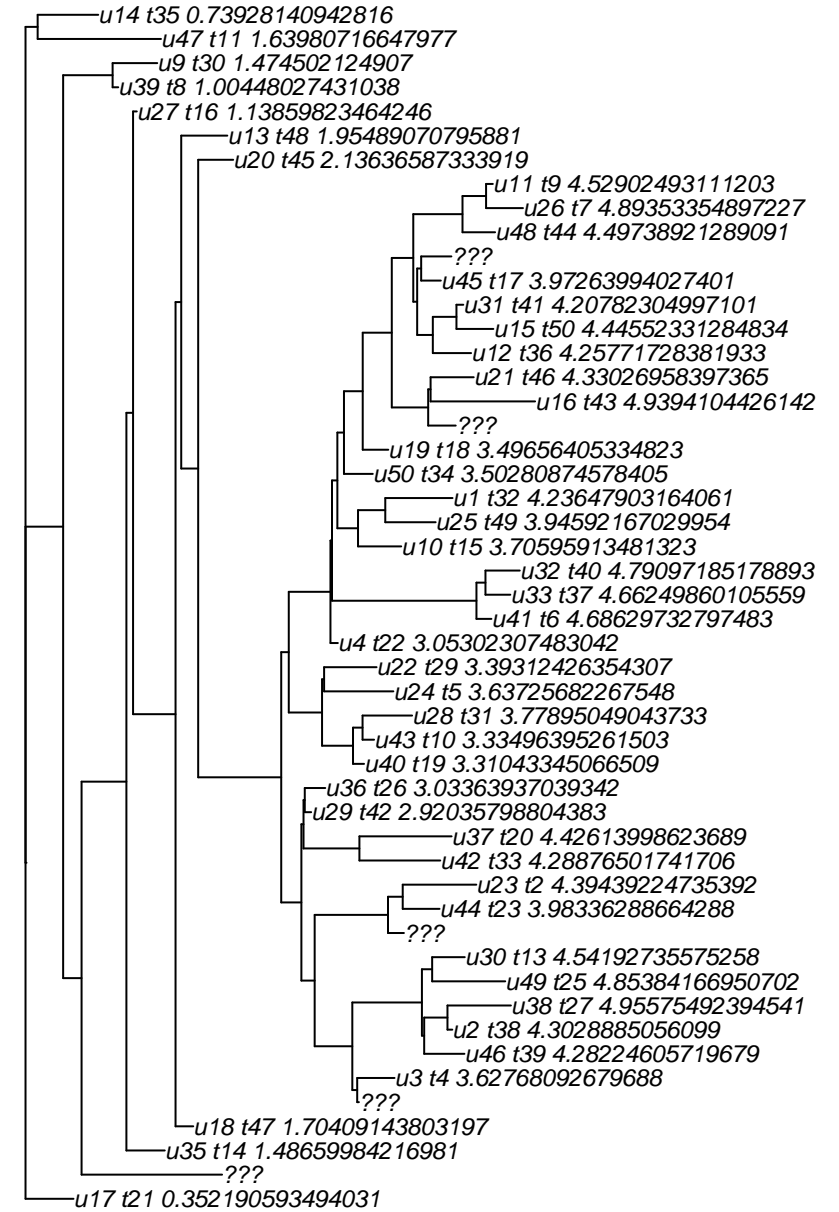
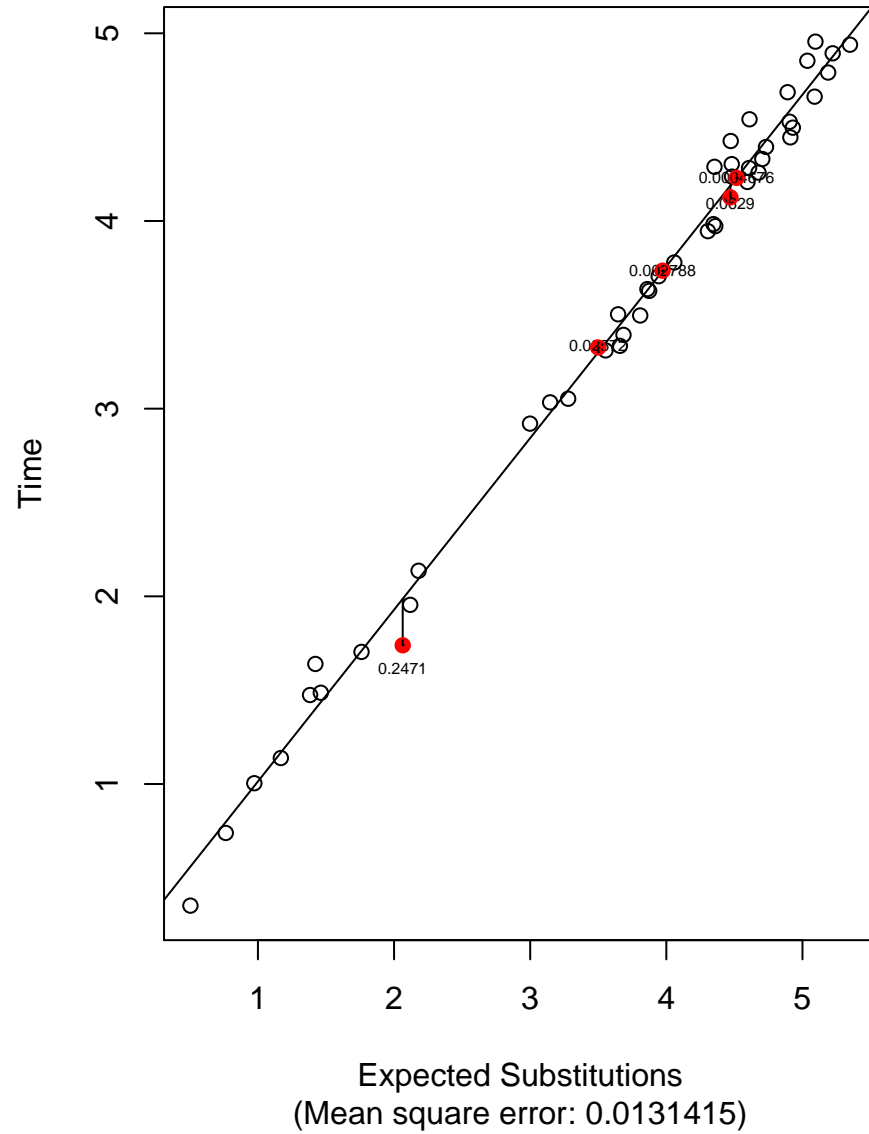
coal: Simulated-no.21 (Remove 5)

Time vs Distance



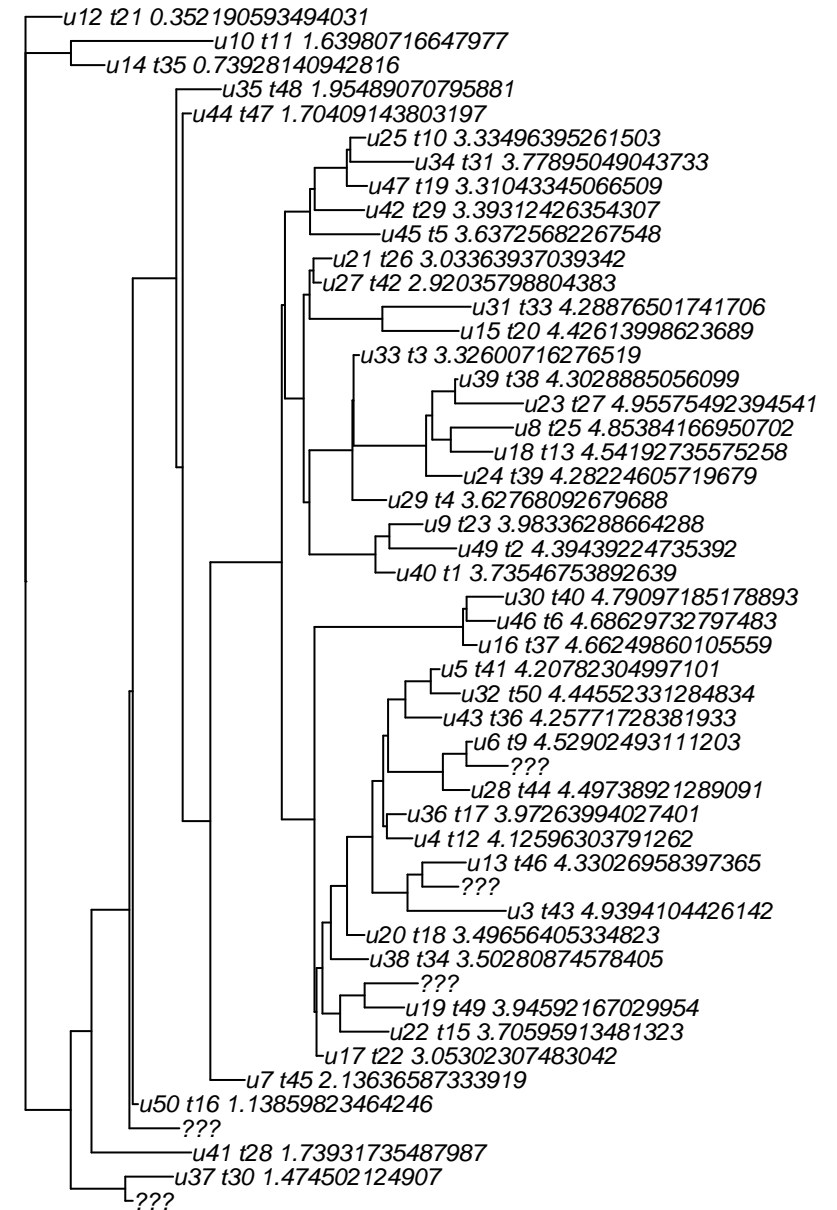
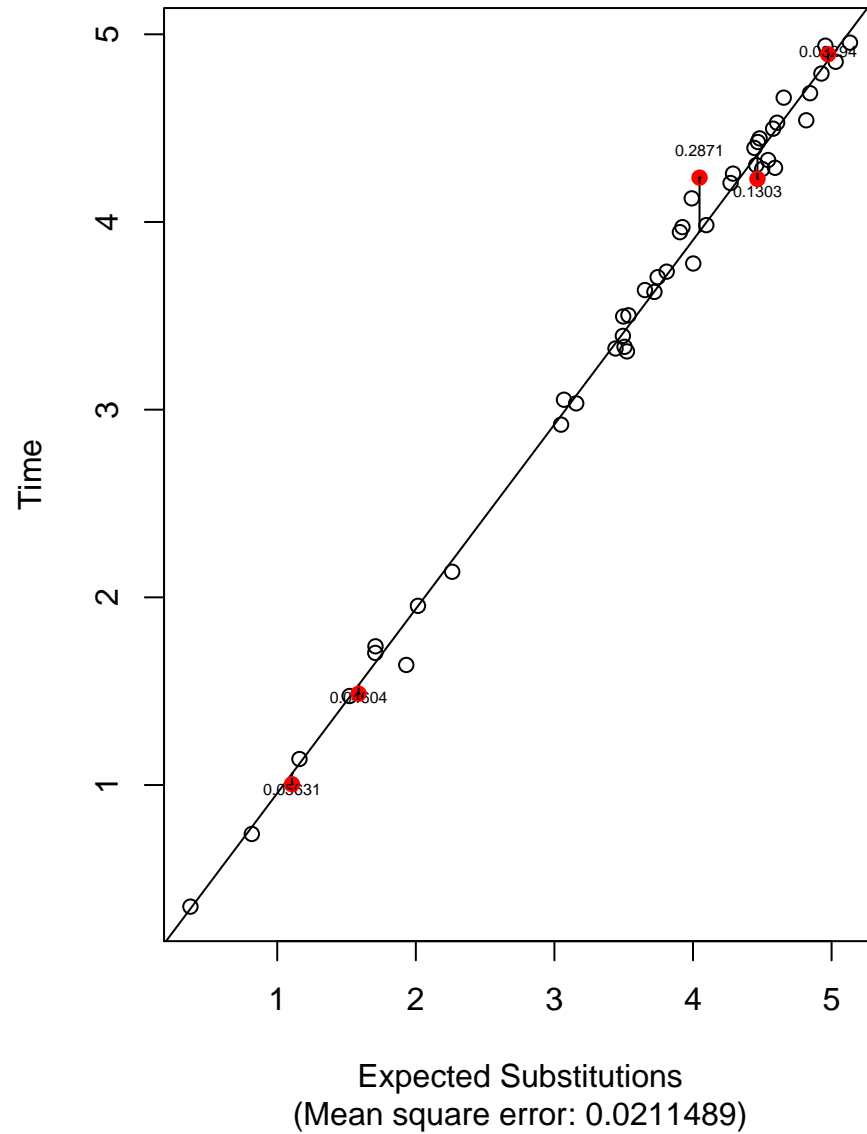
coal: Simulated-no.22 (Remove 5)

Time vs Distance



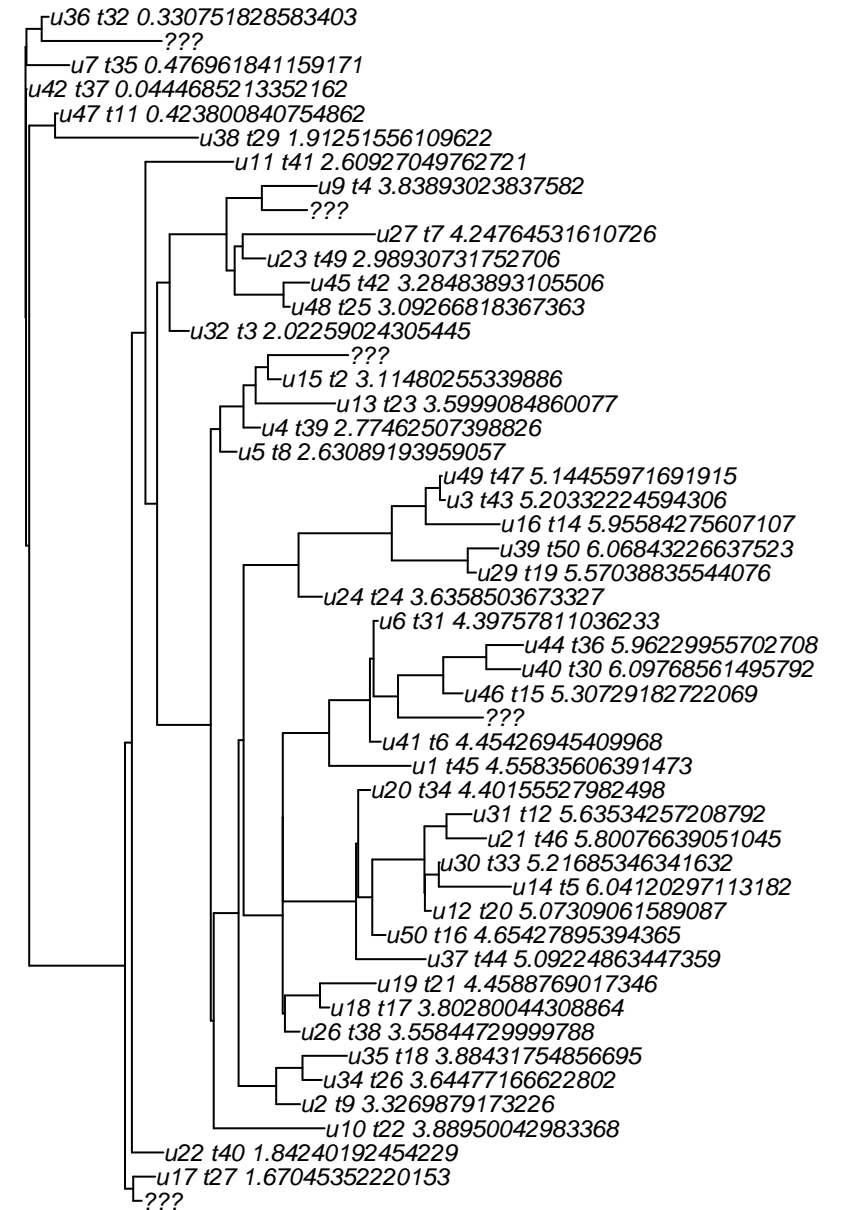
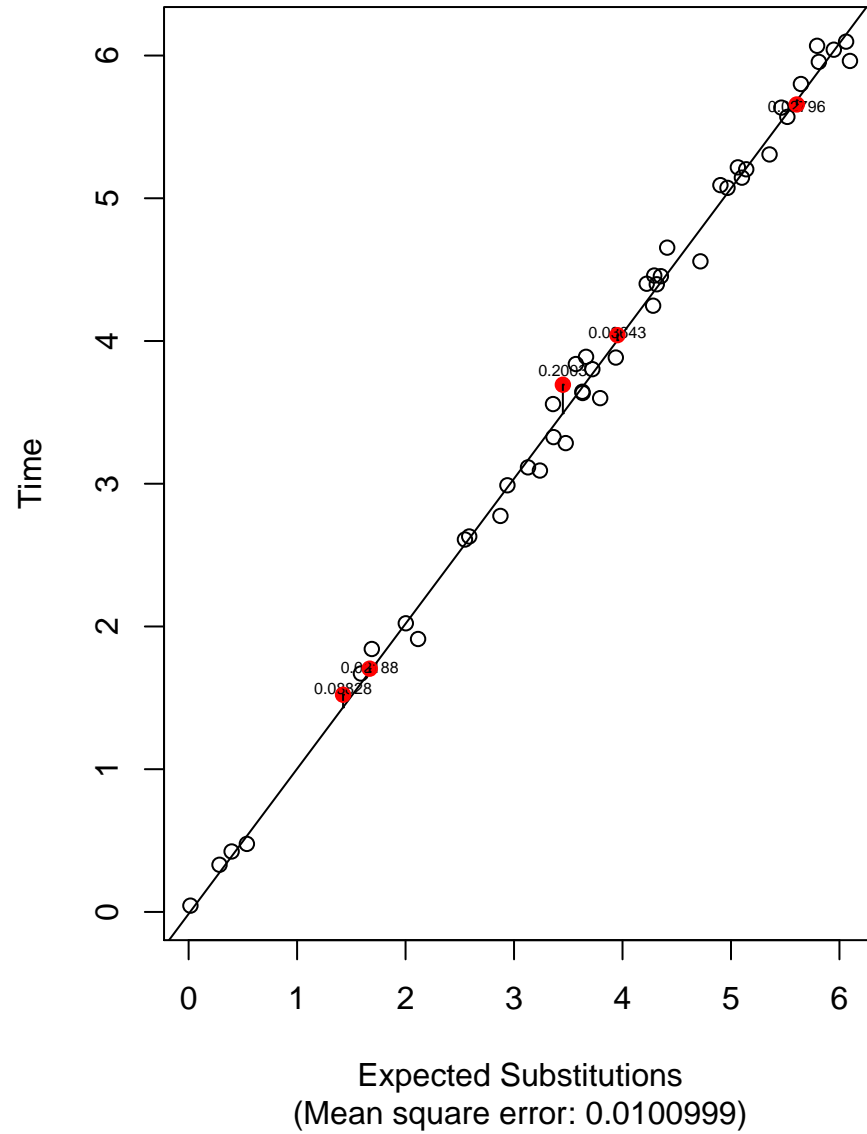
coal: Simulated-no.23 (Remove 5)

Time vs Distance



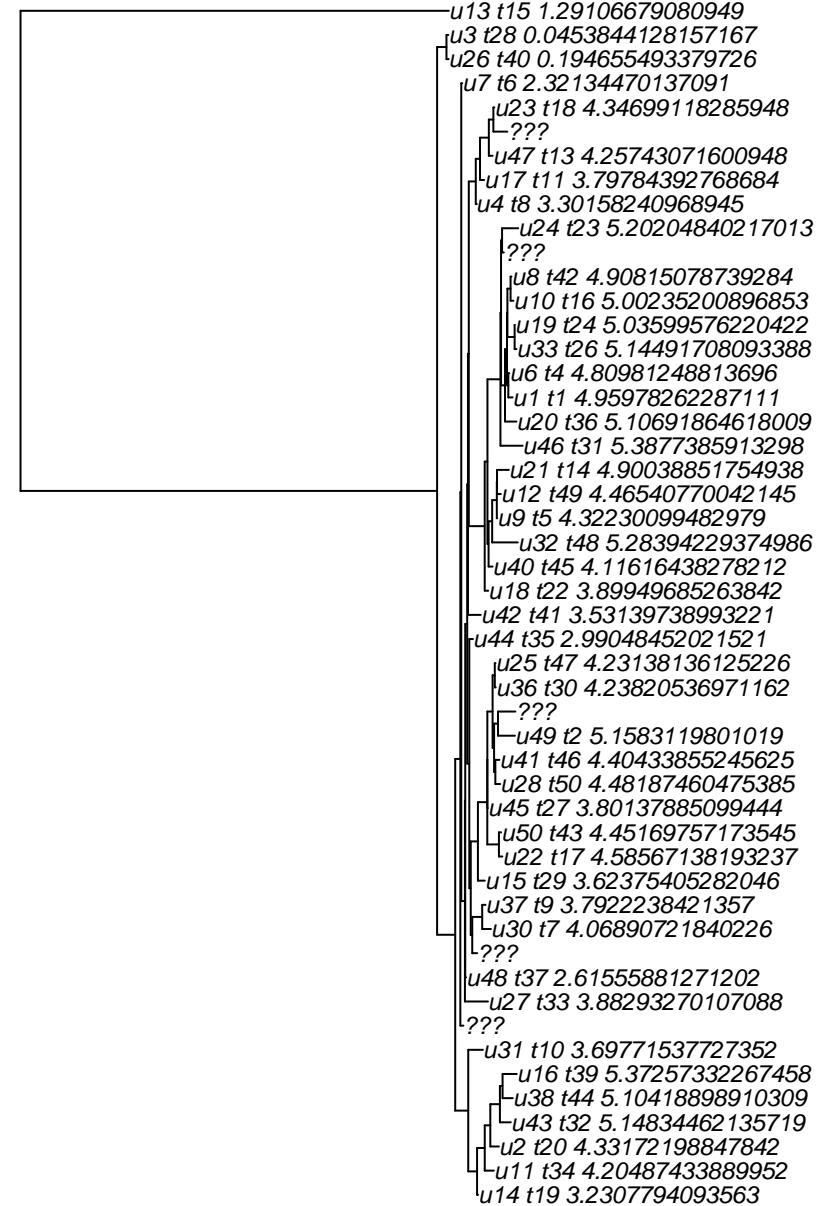
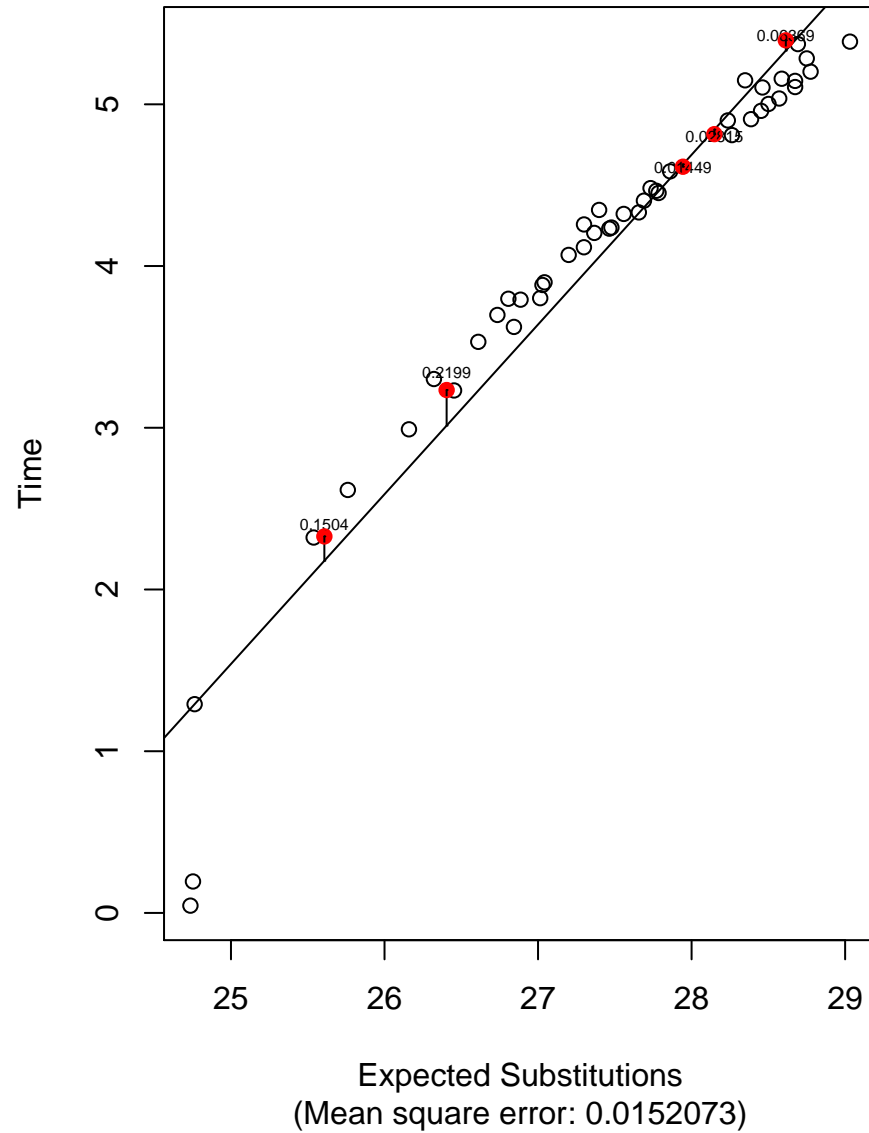
coal: Simulated-no.24 (Remove 5)

Time vs Distance



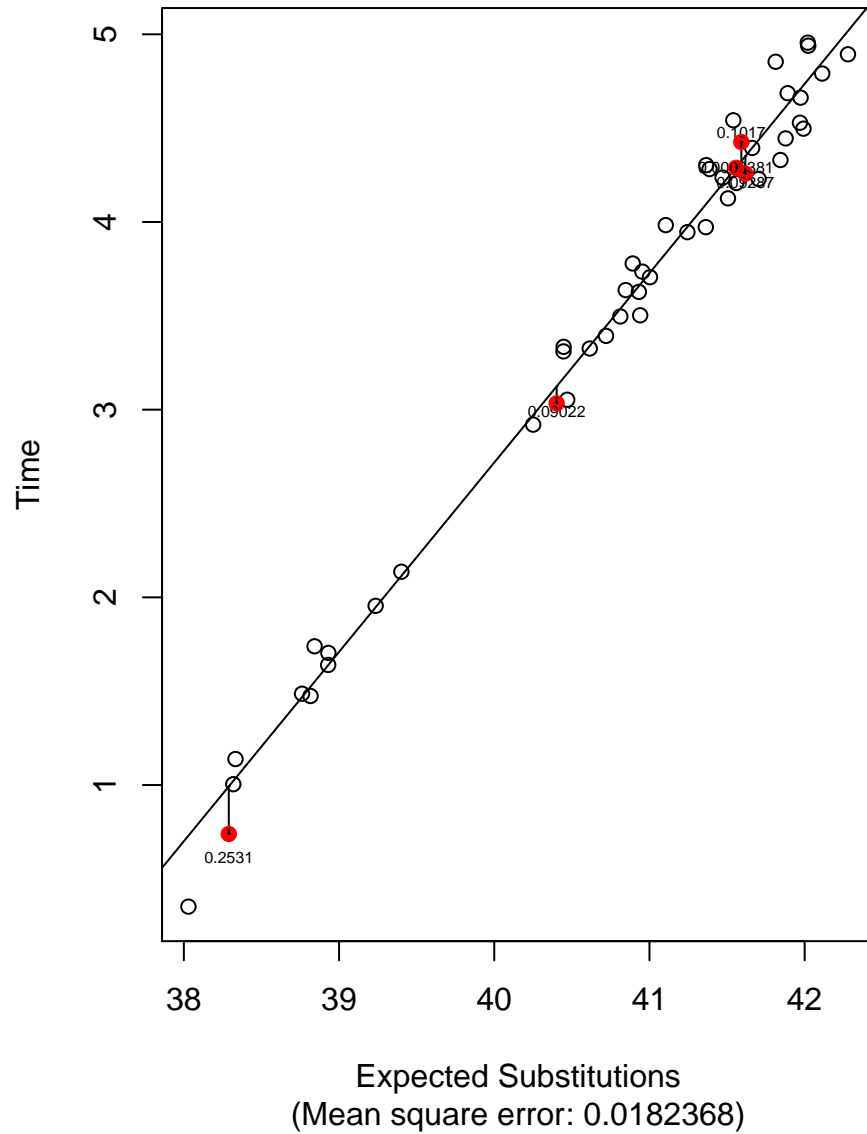
coal: Simulated-no.25 (Remove 5)

Time vs Distance



coal: Simulated-no.26 (Remove 5)

Time vs Distance

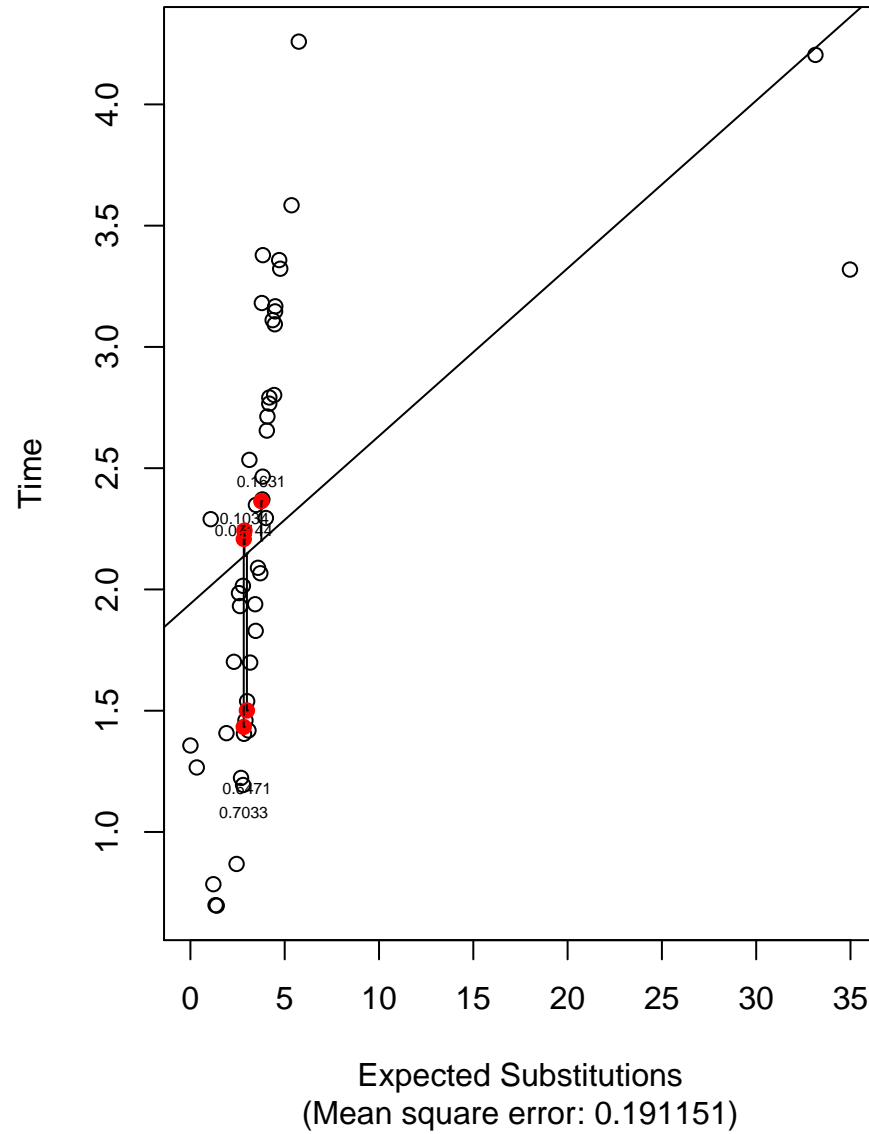


```

u23 t11 1.63980716647977
u6 t21 0.352190593494031
???
u39 t14 1.48659984216981
u38 t22 3.05302307483042
u27 t12 4.12596303791262
u44 t17 3.97263994027401
u20 t9 4.52902493111203
u5 t7 4.89353354897227
u1 t44 4.49738921289091
u32 t41 4.20782304997101
u45 t50 4.44552331284834
???
u24 t46 4.33026958397365
u18 t24 4.22965436036498
u13 t43 4.9394104426142
u42 t18 3.49656405334823
u37 t34 3.50280874578405
u10 t32 4.23647903164061
u49 t49 3.94552167029954
u3 t15 3.70595913481323
u11 t37 4.66249860105559
u19 t40 4.79097185178893
u16 t6 4.68629732797483
???
???
u43 t42 2.92035798804383
???
u29 t23 3.98336288664288
u34 t2 4.39439224735392
u7 t1 3.73546753892639
u47 t4 3.62768092679688
u36 t3 3.32600716276519
u26 t13 4.54192735575258
u14 t25 4.85384166950702
u35 t27 4.95575492394541
u15 t38 4.3028885056099
u17 t39 4.28224605719679
u40 t29 3.39312426354307
u21 t5 3.63725682267548
u8 t31 3.77895049043733
u9 t10 3.33496395261503
u46 t19 3.31043345066509
u41 t45 2.13636587333919
u28 t47 1.70409143803197
u50 t48 1.95489070795881
u4 t16 1.13859823464246
u22 t28 1.73931735487987
u12 t30 1.474502124907
u48 t8 1.00448027431038

```

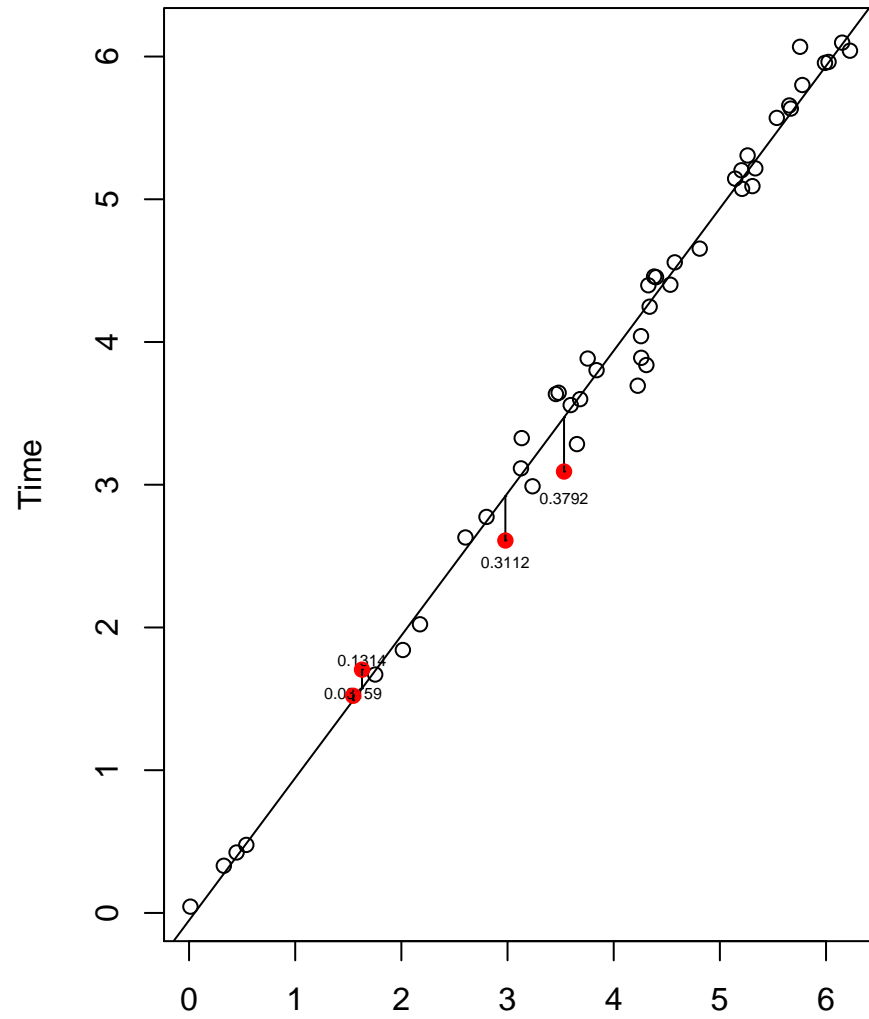
Time vs Distance



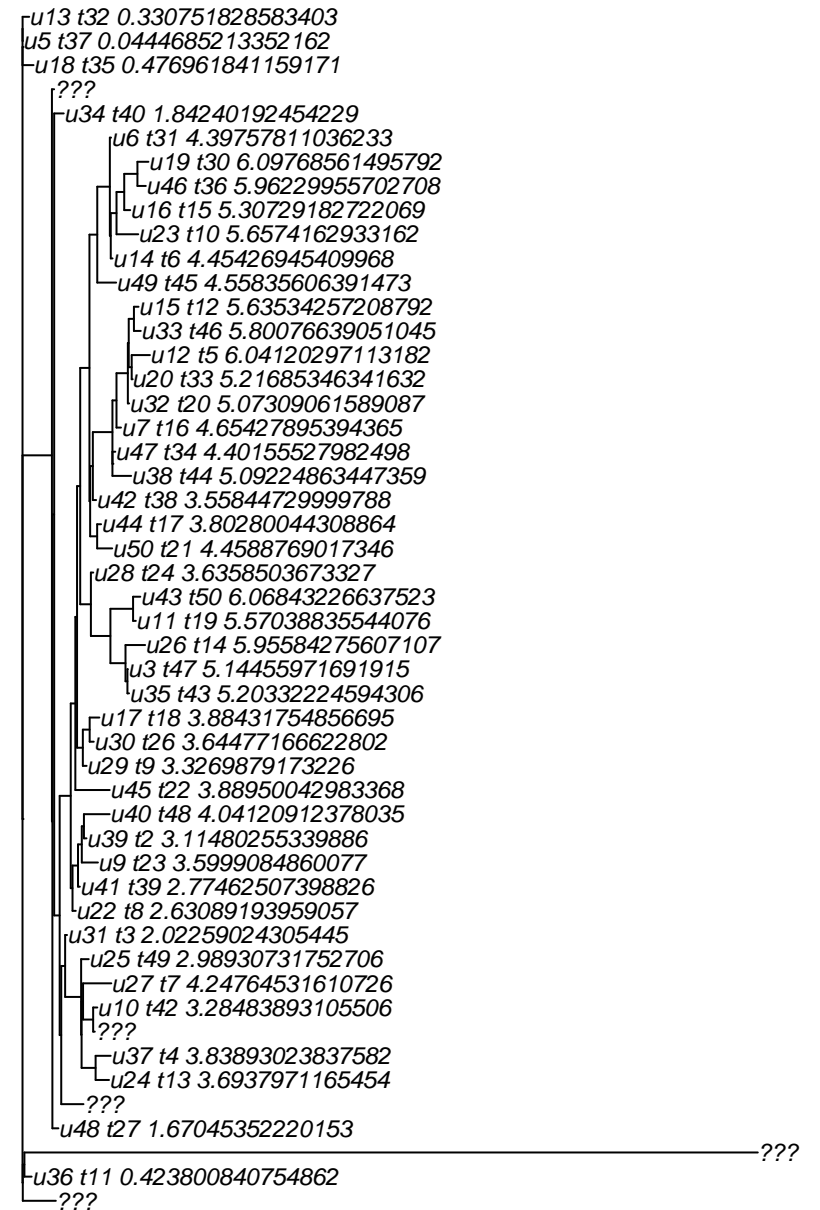
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u18 t11 1.35664025734764
u42 t8 2.28978984703418
u28 t19 2.53434804789384
u20 t4 3.18115604693006
u11 t48 3.37854618928419
???
???
u39 t29 1.98502006106293
u3 t33 2.01508631081401
u4 t31 0.69638959413981
u30 t14 1.40757797638705
u21 t42 1.70180317122294
u2 t27 1.93161098718769
u8 t13 0.698330841023159
u19 t10 2.06698405507344
u48 t26 2.34862129525803
u46 t38 0.868189755854378
u47 t25 1.223063308945292
u7 t18 4.20418933339617
u22 t34 1.41863368751755
u16 t6 3.31909519137299
u26 t5 2.0893549029927
u45 t47 3.09350143819102
u17 t39 3.14655622231428
u32 t46 2.76622820786469
u38 t24 2.79158519809039
u14 t2 3.32255221638662
u13 t16 3.35809779177486
u25 t23 4.25896365613445
u15 t50 3.11052863552971
u50 t28 2.46521887911982
u40 t36 1.82937149321879
u41 t3 1.19381333983421
u6 t32 1.53931131221032
???
u36 t41 1.40473032593404
u35 t1 1.6985424101257
u34 t35 2.65504905247909
u33 t44 3.16758361329
u44 t7 2.71313322950564
???
u5 t45 1.93916571669755
u43 t49 2.29465795629873
u31 t15 3.58424888699401
u49 t37 2.801849719136
u9 t20 2.37133863837502
u29 t22 1.46009663183671
???
u10 t12 0.784723473225353
u23 t40 1.26609501264997
    
```

Time vs Distance

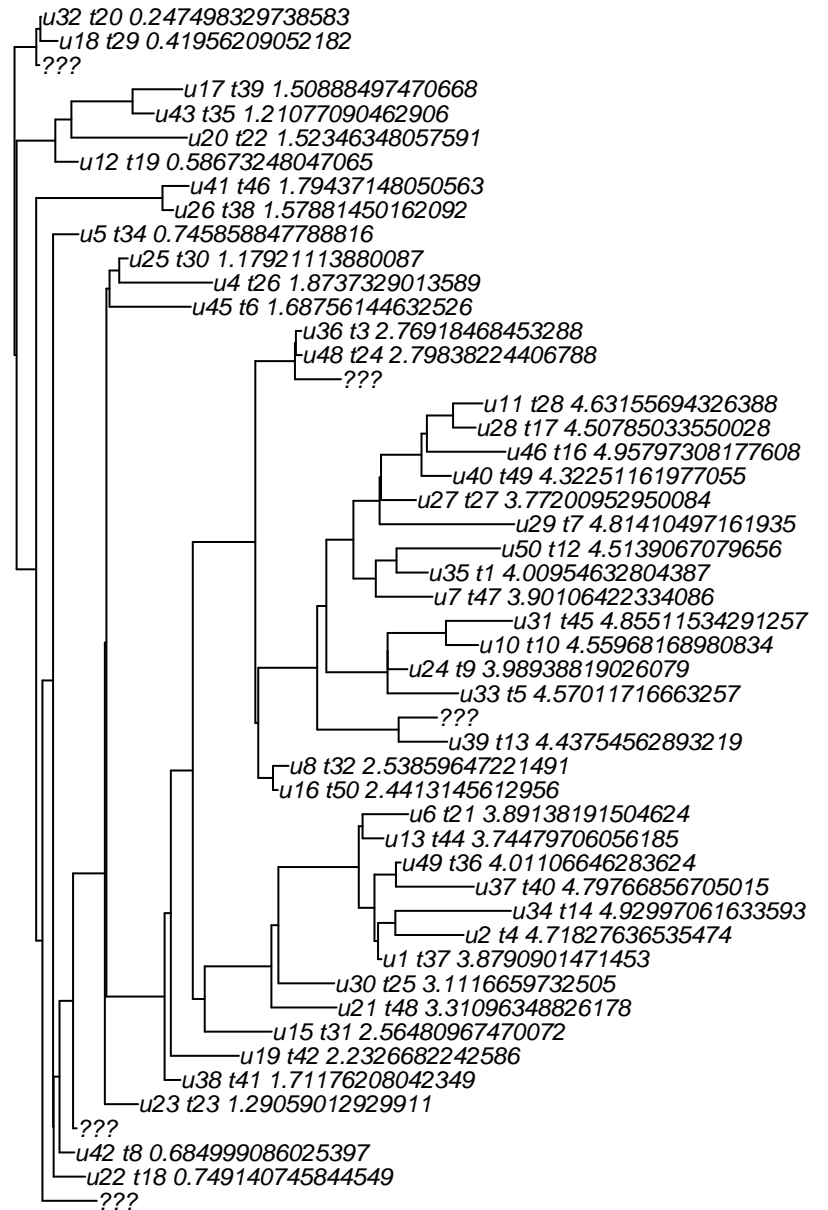
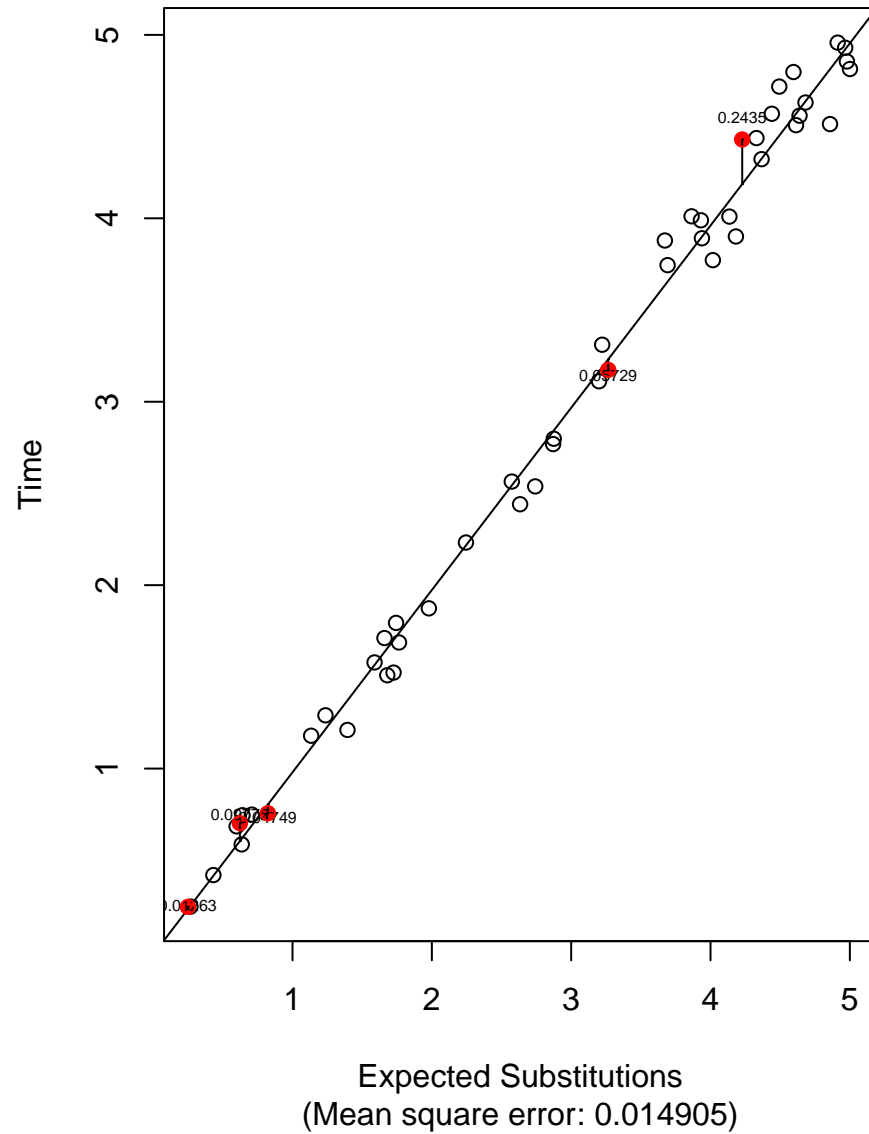


(Mean square error: 229.451)

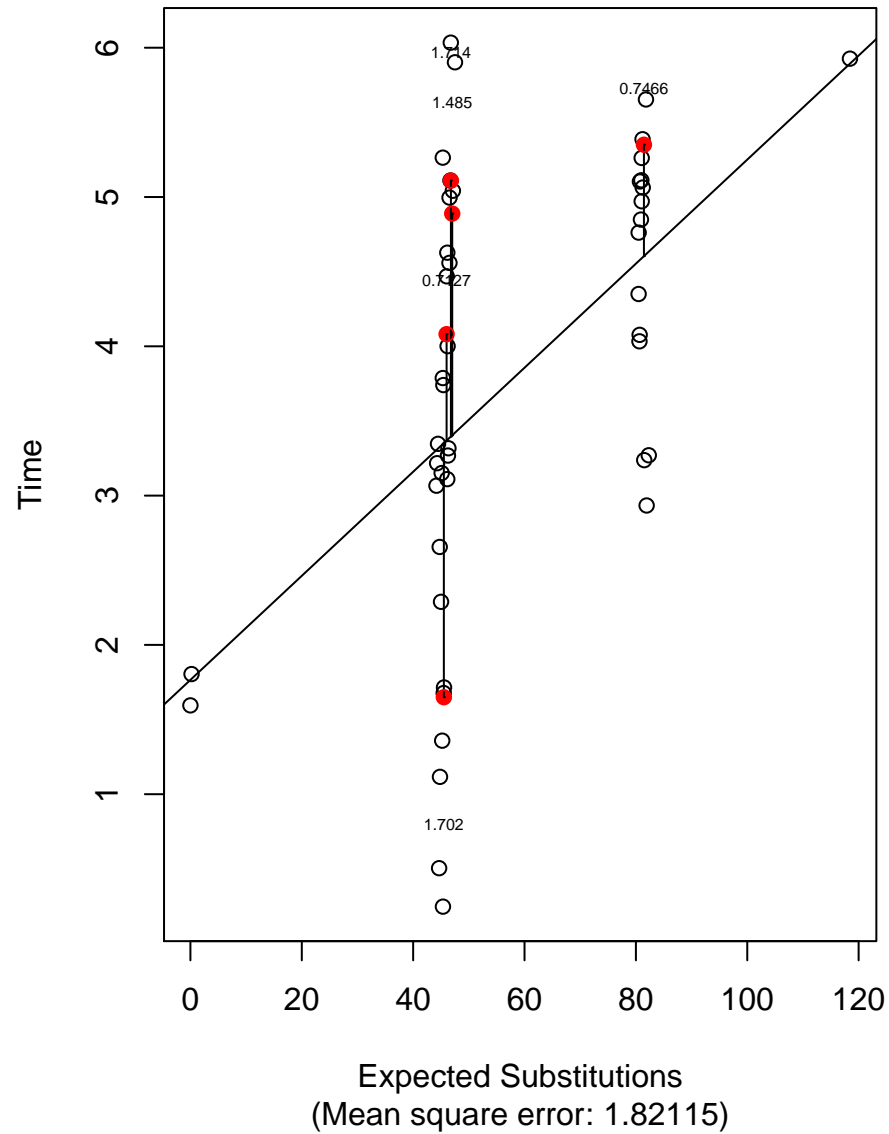


coal: Simulated-no.29 (Remove 5)

Time vs Distance



Time vs Distance

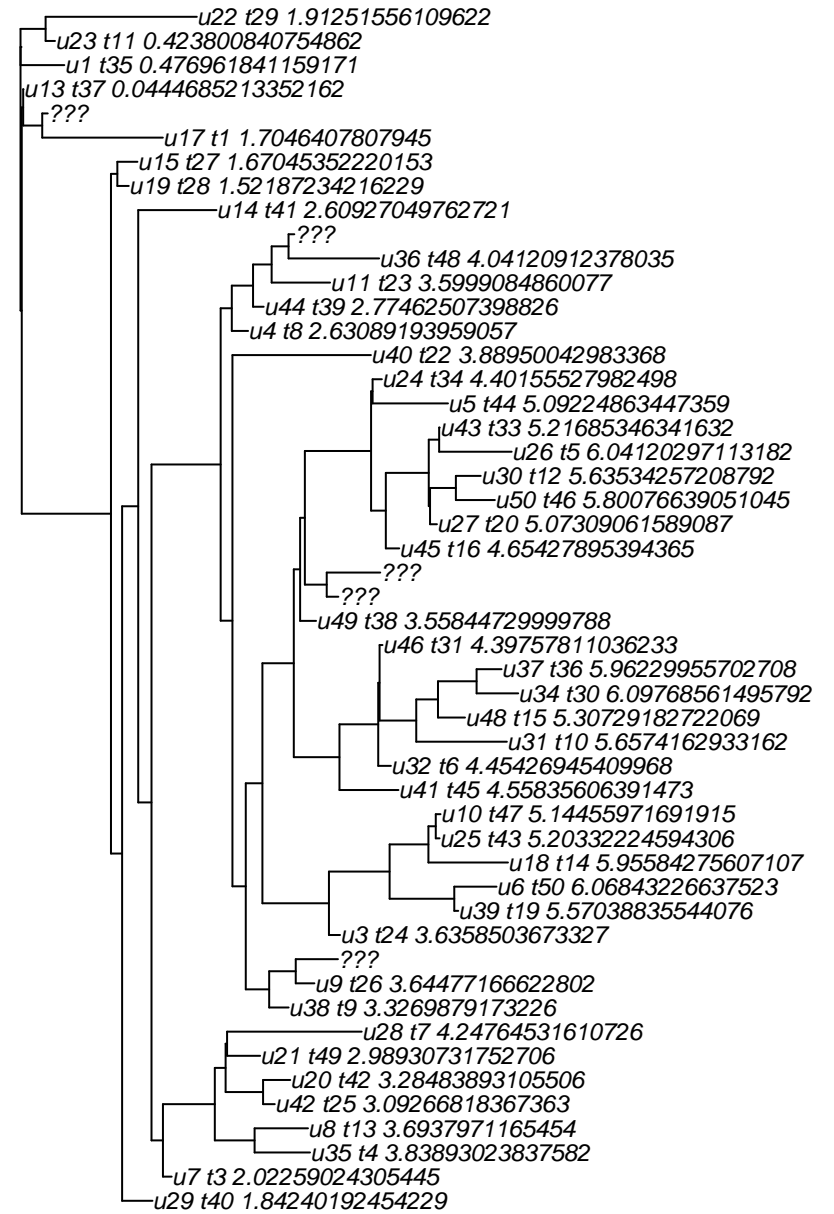
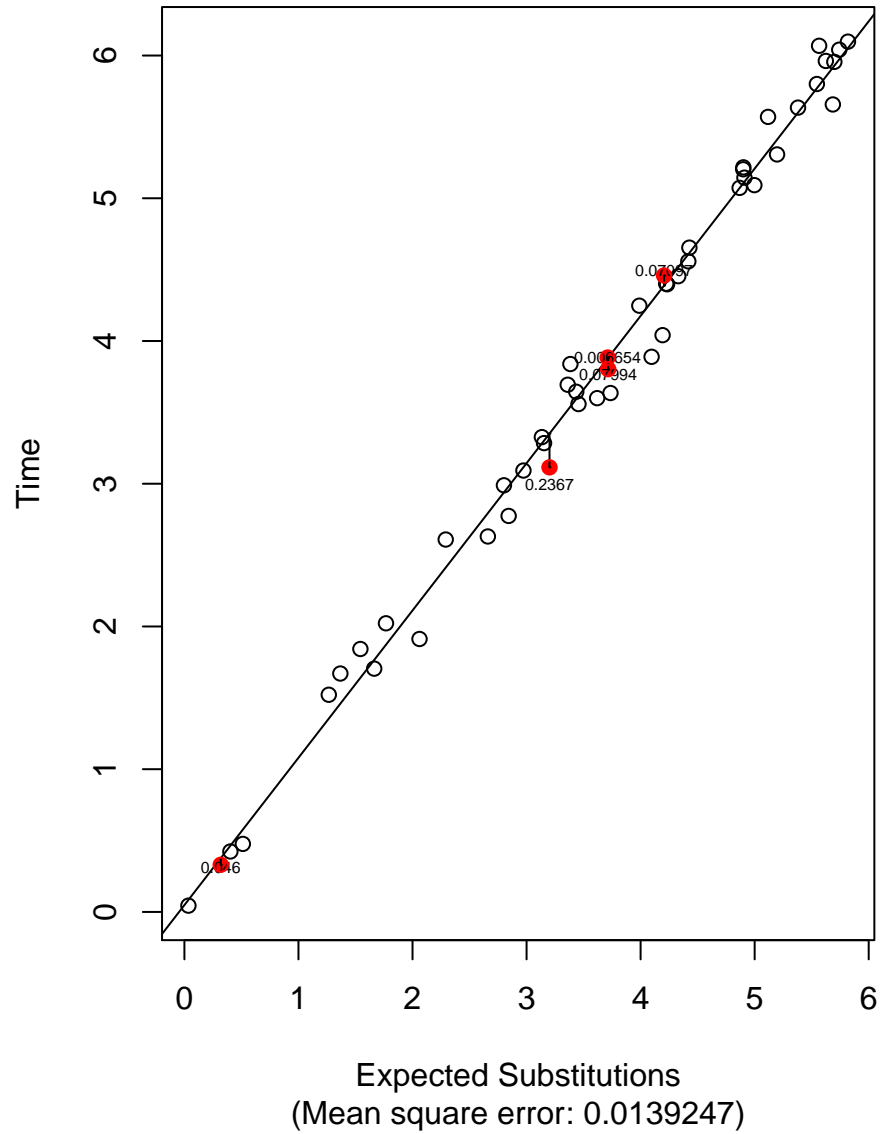


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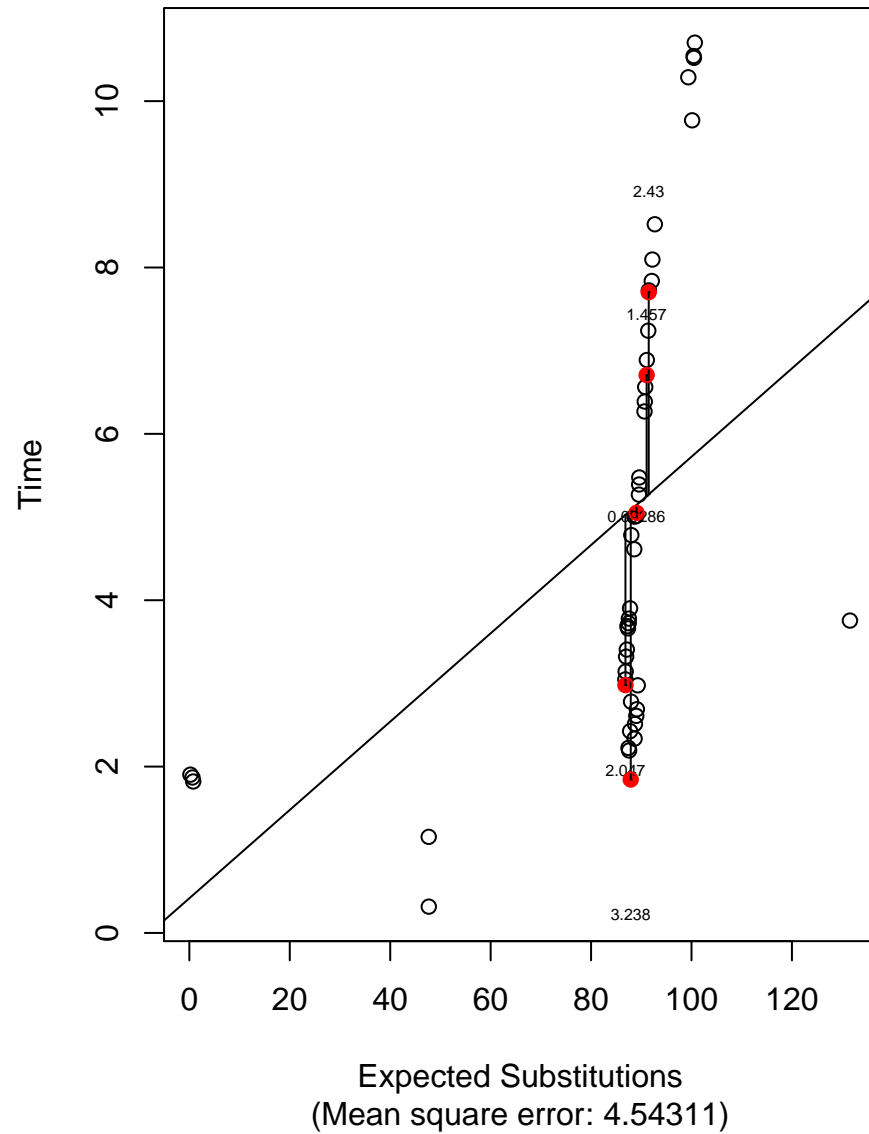
u32 t4 1.59505704710215
u49 t27 3.3468699647419
u9 t18 4.55909574127469
???
u46 t16 3.15133472195007
u10 t20 3.74066126584952
u45 t36 4.46882760029119
u4 t2 4.99624621950288
u27 t43 5.90255001356291
u39 t24 5.11082267417832
???
u15 t47 4.6272721465264
u24 t44 3.78759653254036
???
u7 t45 5.04218603762866
u1 t38 4.00116129210536
u6 t5 3.21728300940178
u22 t41 3.06644497319744
u25 t40 6.03432433708552
u38 t50 5.26387276556186
u43 t23 5.11242646737594
u40 t13 5.92686633047346
u31 t1 5.38725804177856
u42 t14 5.26168490194517
u26 t9 4.76180431948211
u37 t37 5.10410733461273
u50 t17 2.93389670614059
u12 t8 3.27027477143896
u14 t28 3.23766242680217
u41 t7 4.03361830010156
u13 t12 4.07691814633371
u11 t29 4.84905050255587
u20 t6 5.06364427993512
u30 t21 5.65364172975515
u35 t39 4.97159970185215
???
u36 t34 4.35065774493989
u29 t31 2.65617643872884
u18 t30 0.504486941575644
u2 t32 0.247080521075986
???
u47 t25 1.67775675988153
u8 t3 1.35870214610097
u19 t46 1.71523498289066
u17 t19 1.11627060278374
u3 t10 3.26859213725814
u23 t15 3.11039064651279
u44 t35 3.31723174080989
u33 t26 2.28875540527007
u48 t33 1.80472390478921
    
```

coal: Simulated-no.31 (Remove 5)

Time vs Distance



Time vs Distance

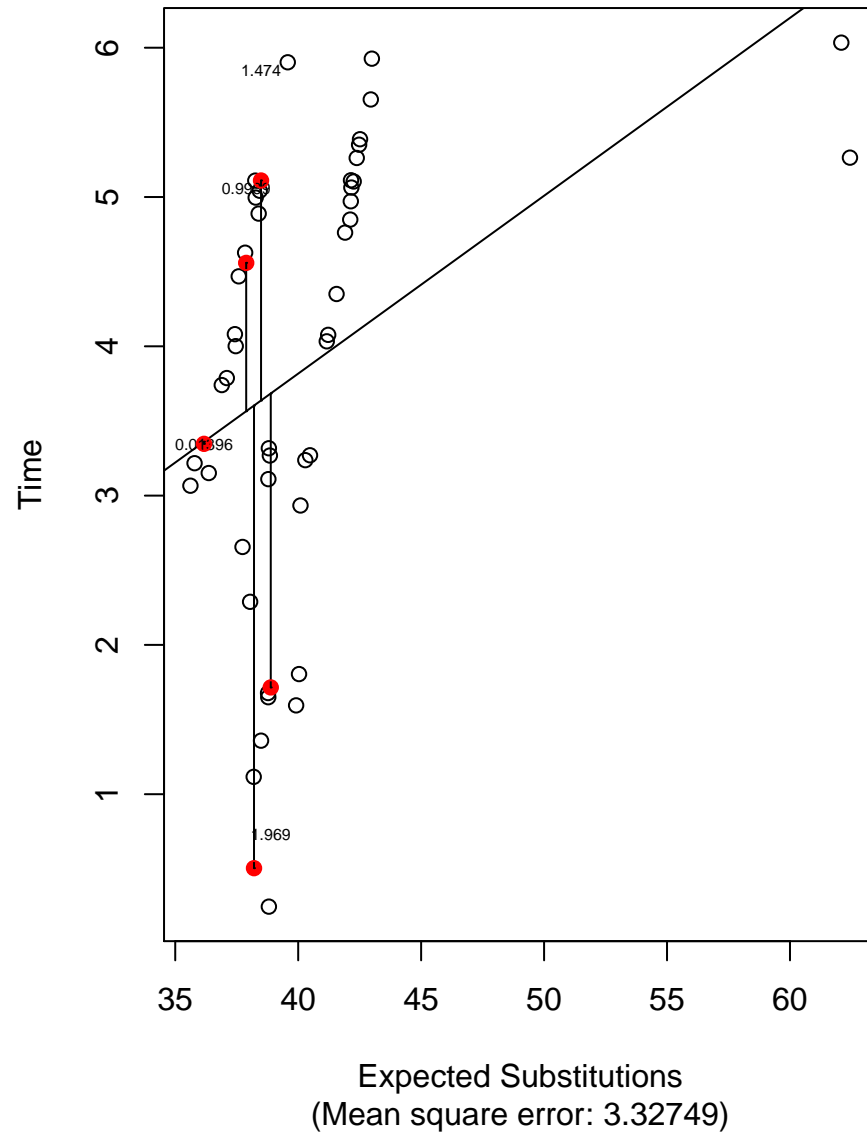


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u45 t41 1.90335701546382
u3 t28 1.82123928205802
u43 t23 1.86926964152892
u47 t27 5.01355784254163
???
u13 t49 5.00507142619696
u33 t31 3.72450948333483
u31 t43 3.90295459101509
u10 t39 4.61323677279436
u29 t20 6.26965683919607
u26 t4 5.26968715858228
u1 t47 5.4761912376663
u46 t2 5.39192196632032
u2 t34 7.72517793126928
???
u9 t11 6.88800618059105
u41 t9 6.38890203878924
???
u25 t12 8.09584789633241
u44 t30 8.52010420386884
u18 t5 7.83843678512143
u30 t24 7.24077316601634
u17 t25 6.56301084241712
u39 t16 3.66200639319232
u48 t13 3.40711217482703
u5 t40 3.14304367098538
u6 t29 3.04831602760699
???
u20 t10 3.68791684313906
u21 t45 3.77923890612202
u49 t3 3.32194562549671
u42 t44 10.7036966930776
u4 t1 10.5204530050784
u32 t37 10.5425161397227
u50 t8 9.76970175274894
u40 t48 10.2870419976608
u38 t17 4.78341685162023
u23 t21 3.75547514651112
u24 t18 2.22470608452858
u22 t15 2.1940135275301
u11 t42 2.51243771681671
u15 t50 2.33646147283562
u14 t7 2.68959034269093
u12 t26 2.61033022269997
u27 t46 2.97726191531444
???
u16 t33 2.42625986111623
u37 t36 2.78106994154805
u19 t32 1.1557012540511
u28 t6 0.316891375980318
    
```

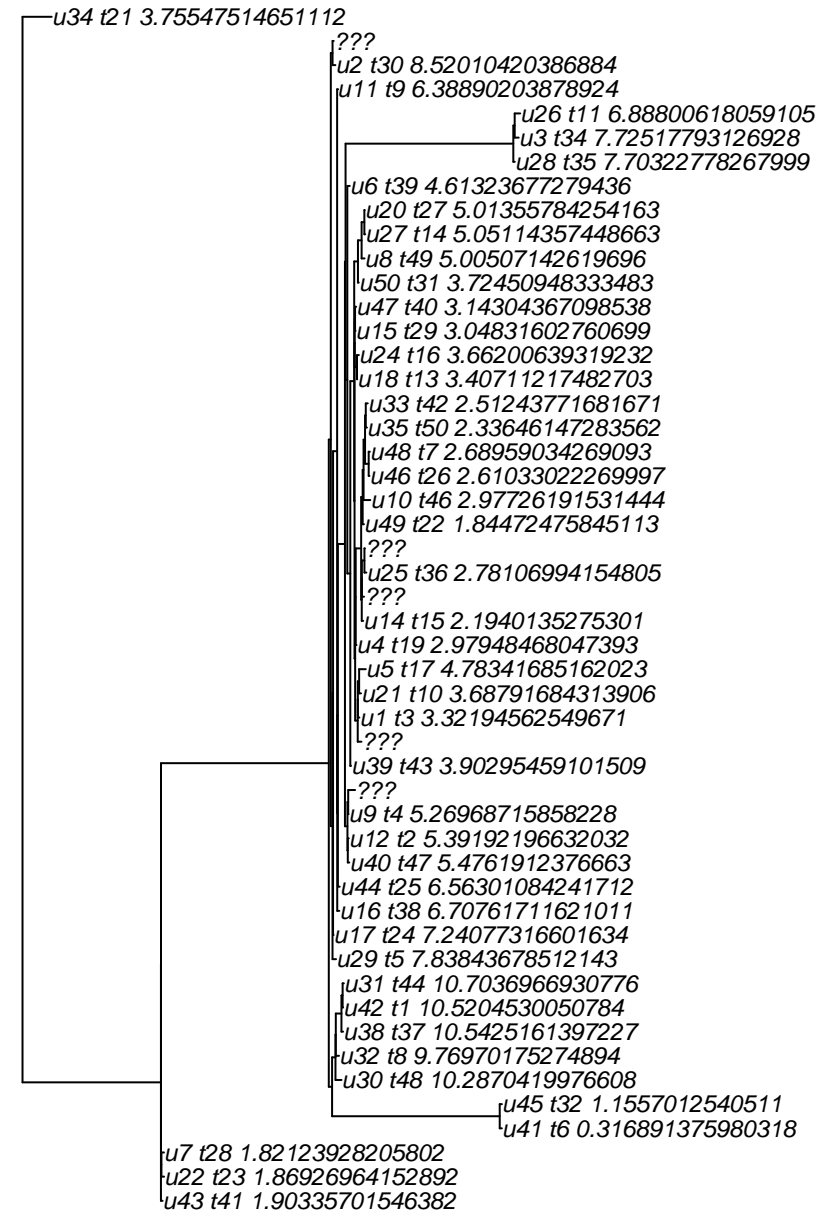
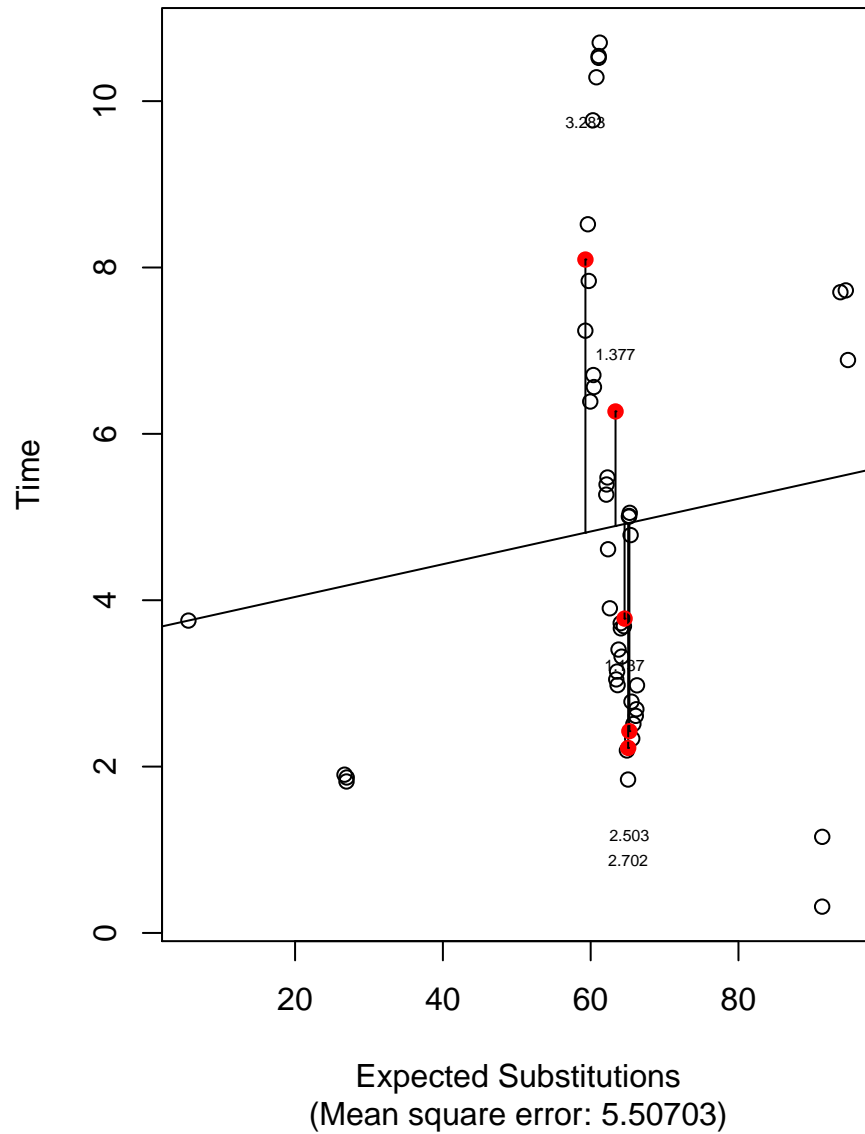

coal: Simulated-no.33 (Remove 5)

Time vs Distance

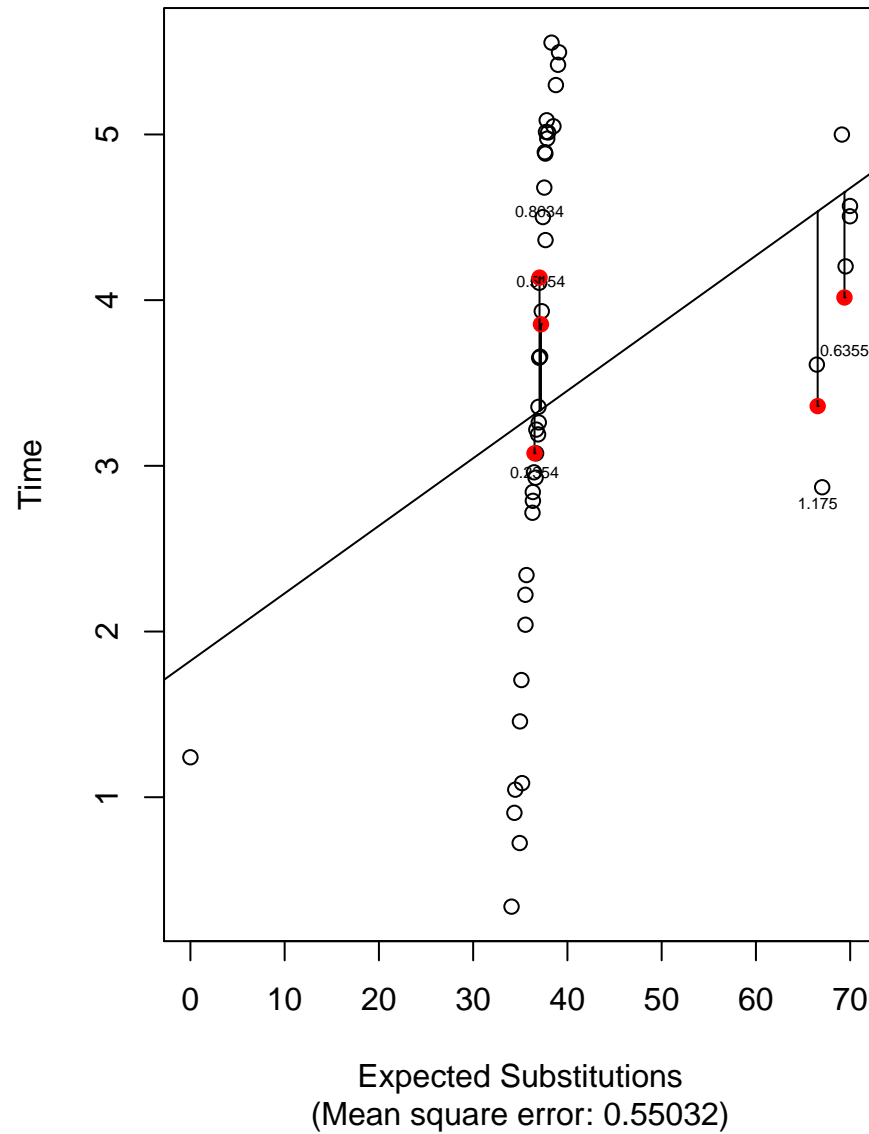


coal: Simulated-no.34 (Remove 5)

Time vs Distance

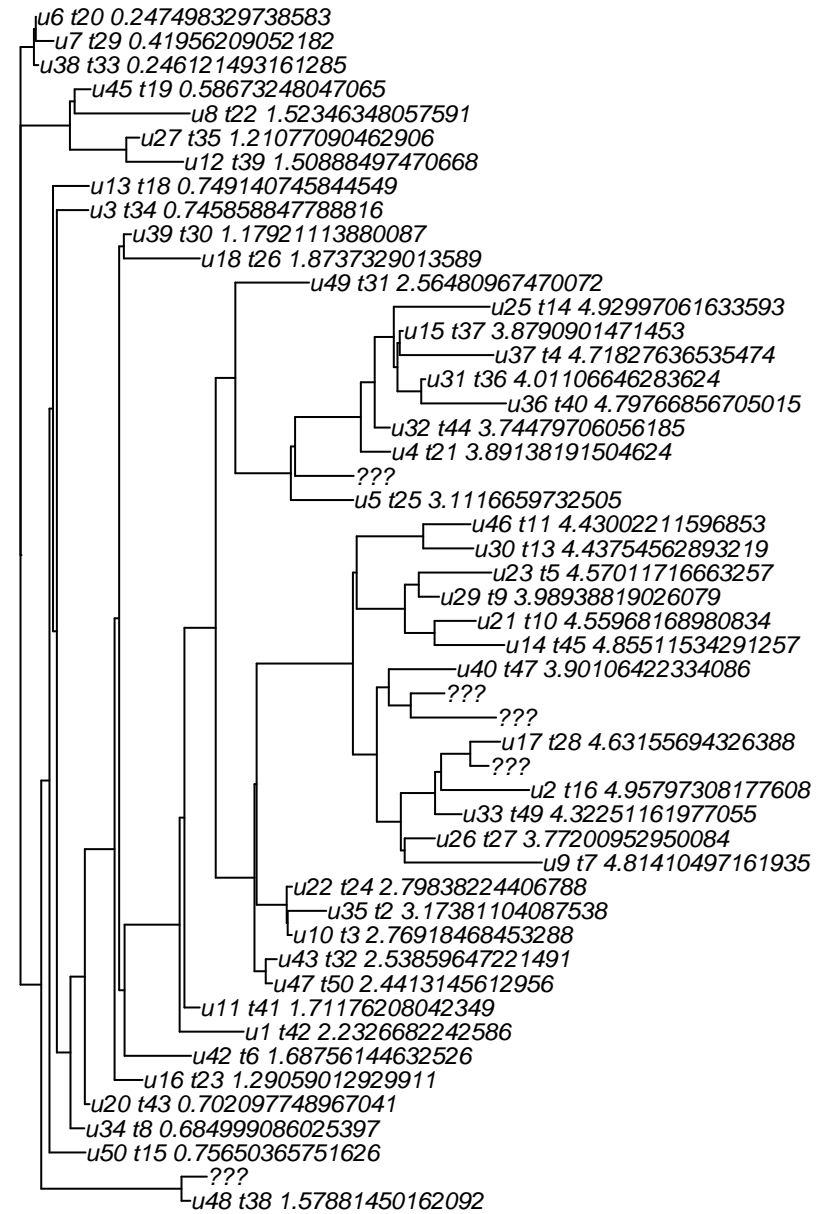
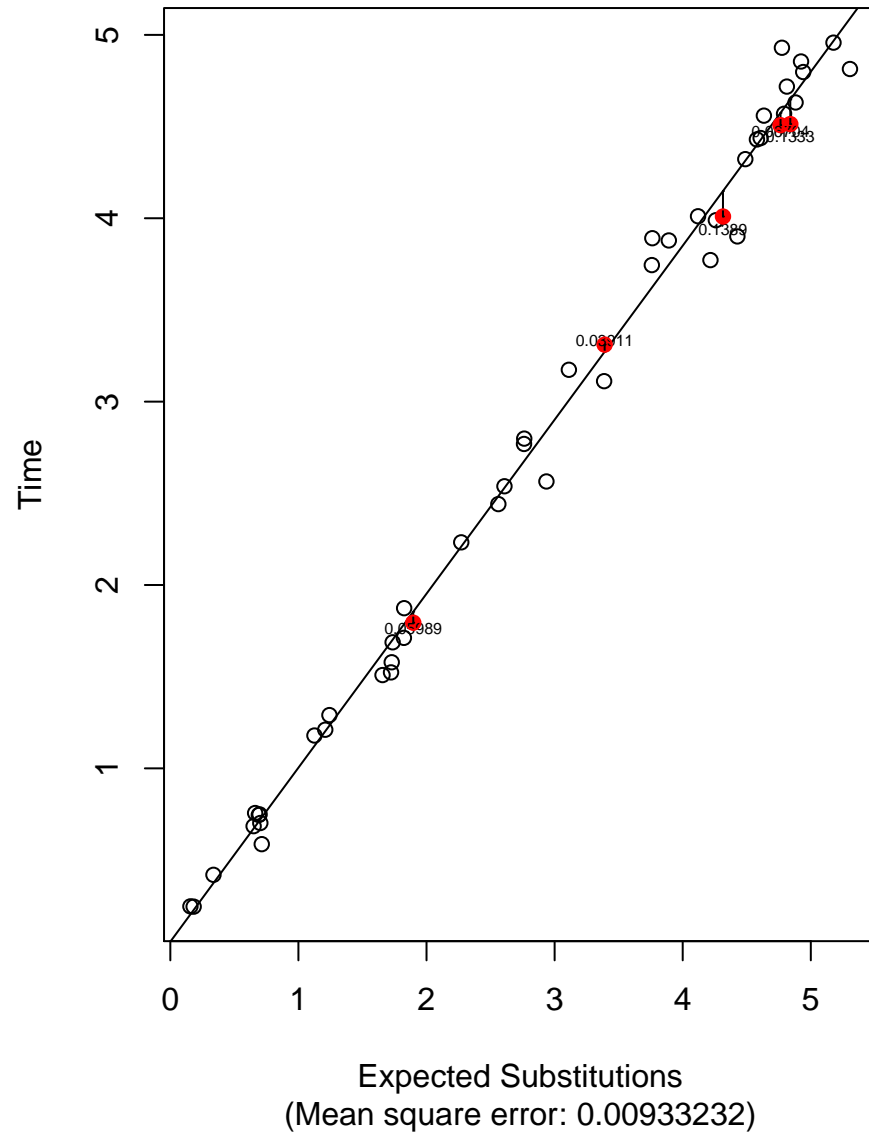


Time vs Distance



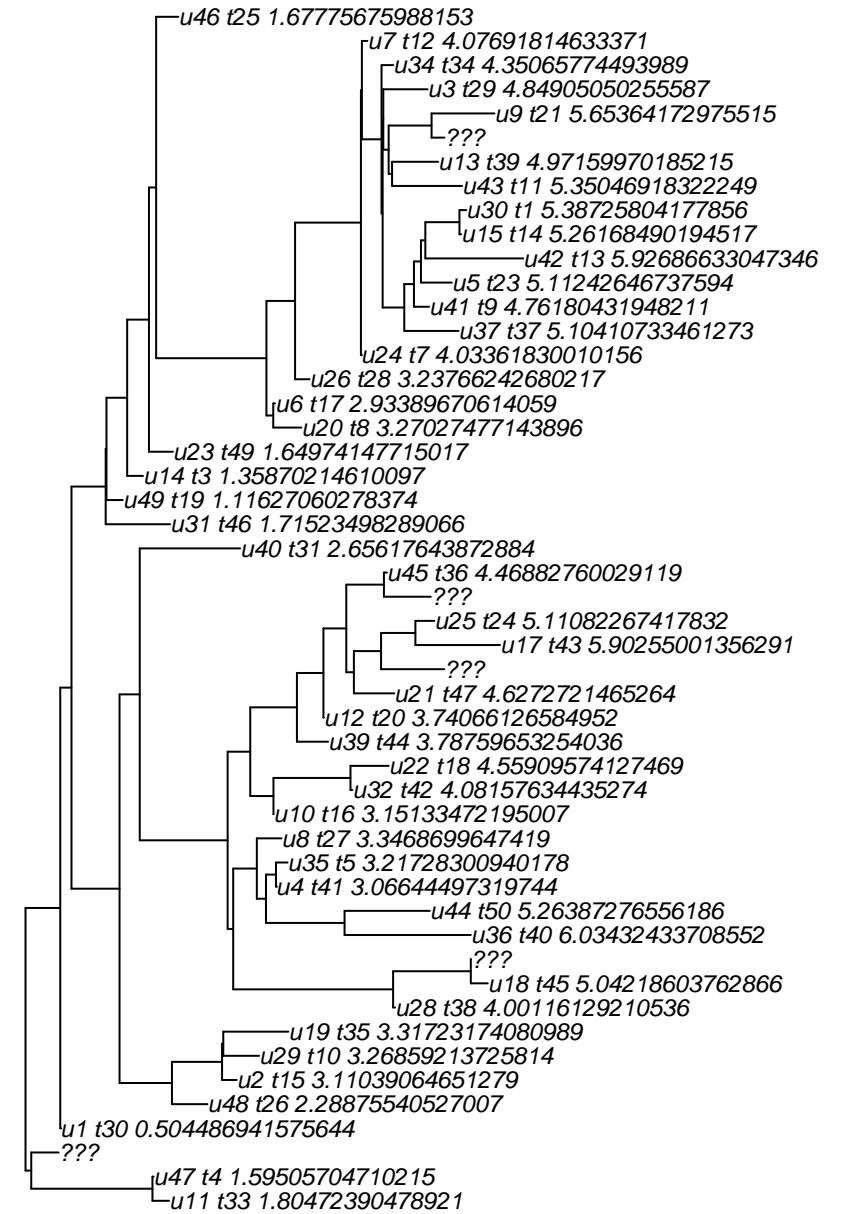
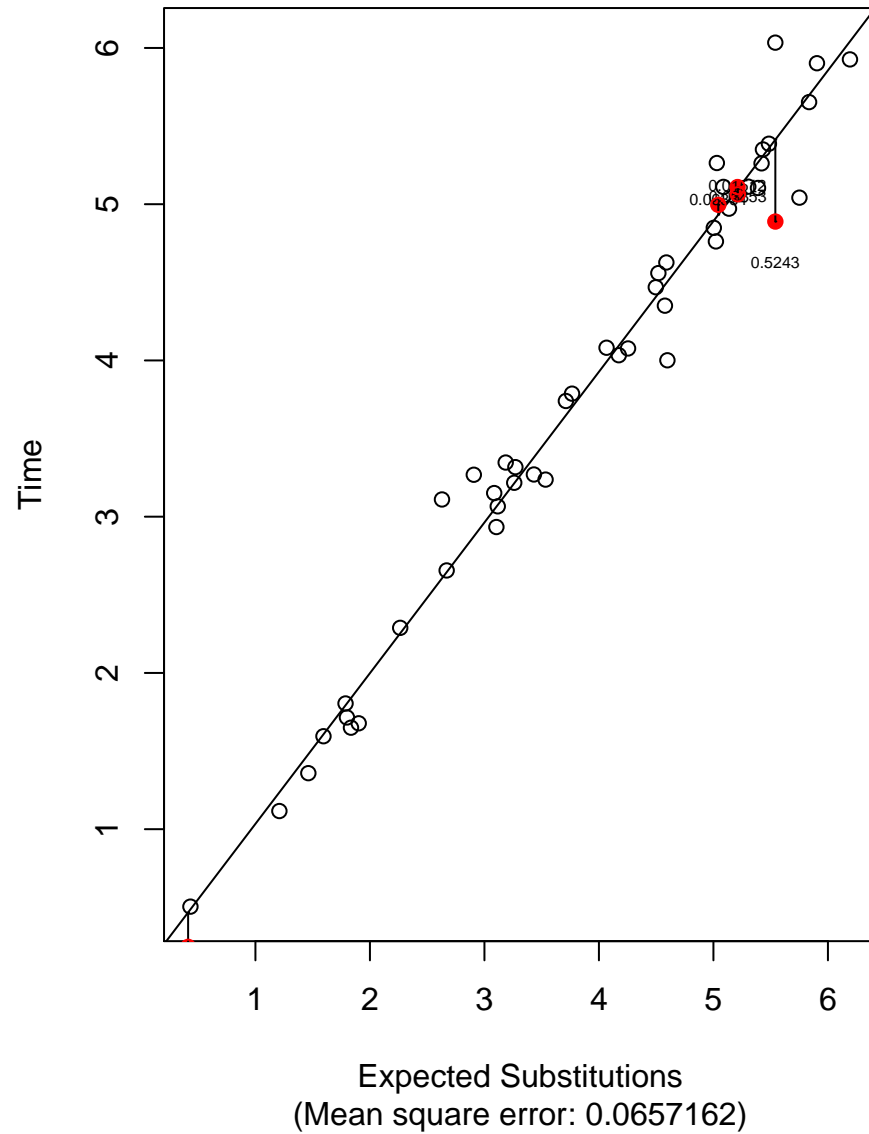
coal: Simulated-no.36 (Remove 5)

Time vs Distance



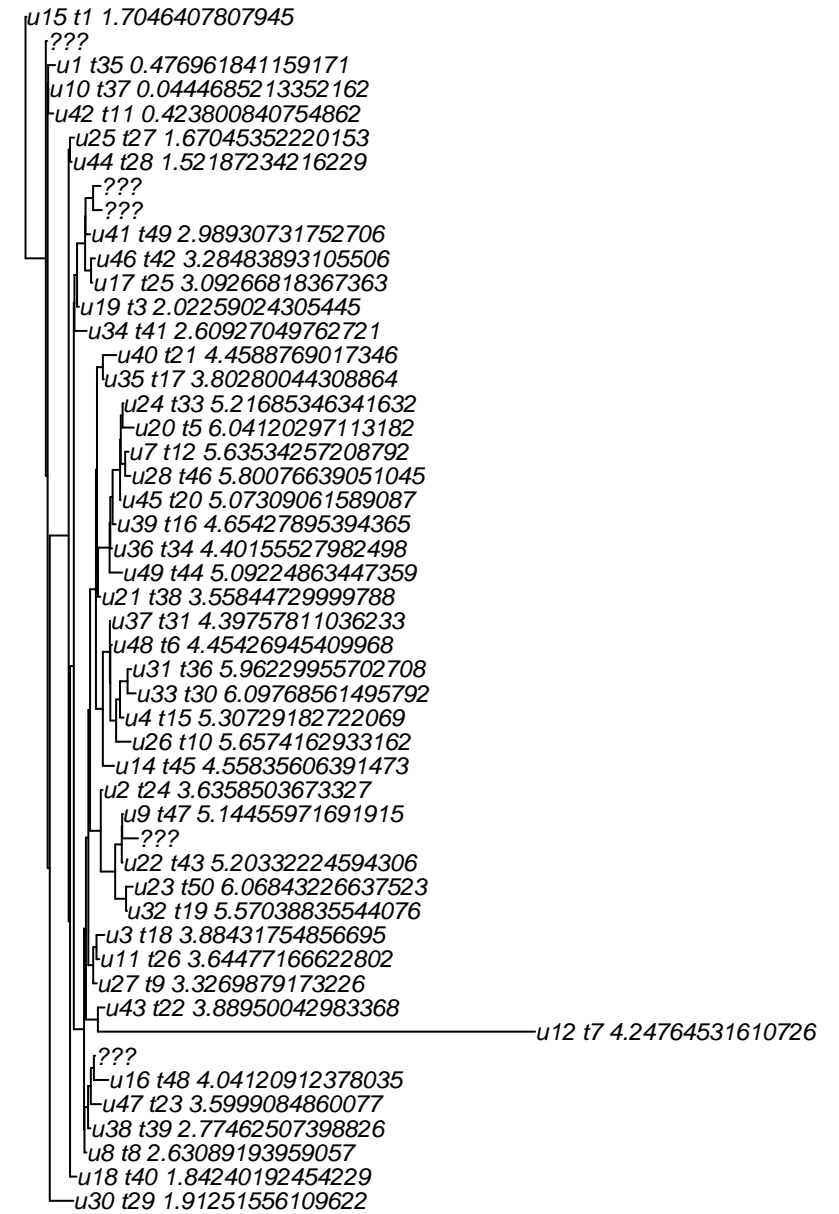
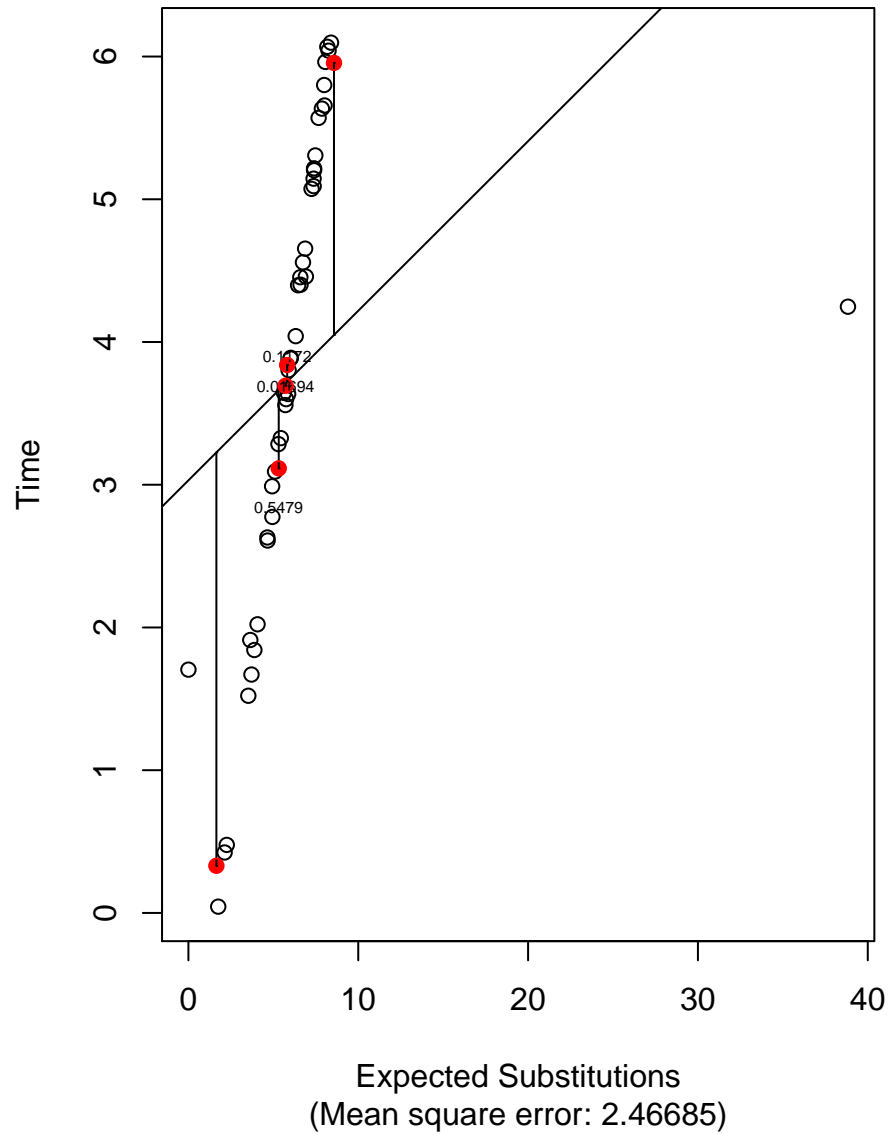
coal: Simulated-no.37 (Remove 5)

Time vs Distance



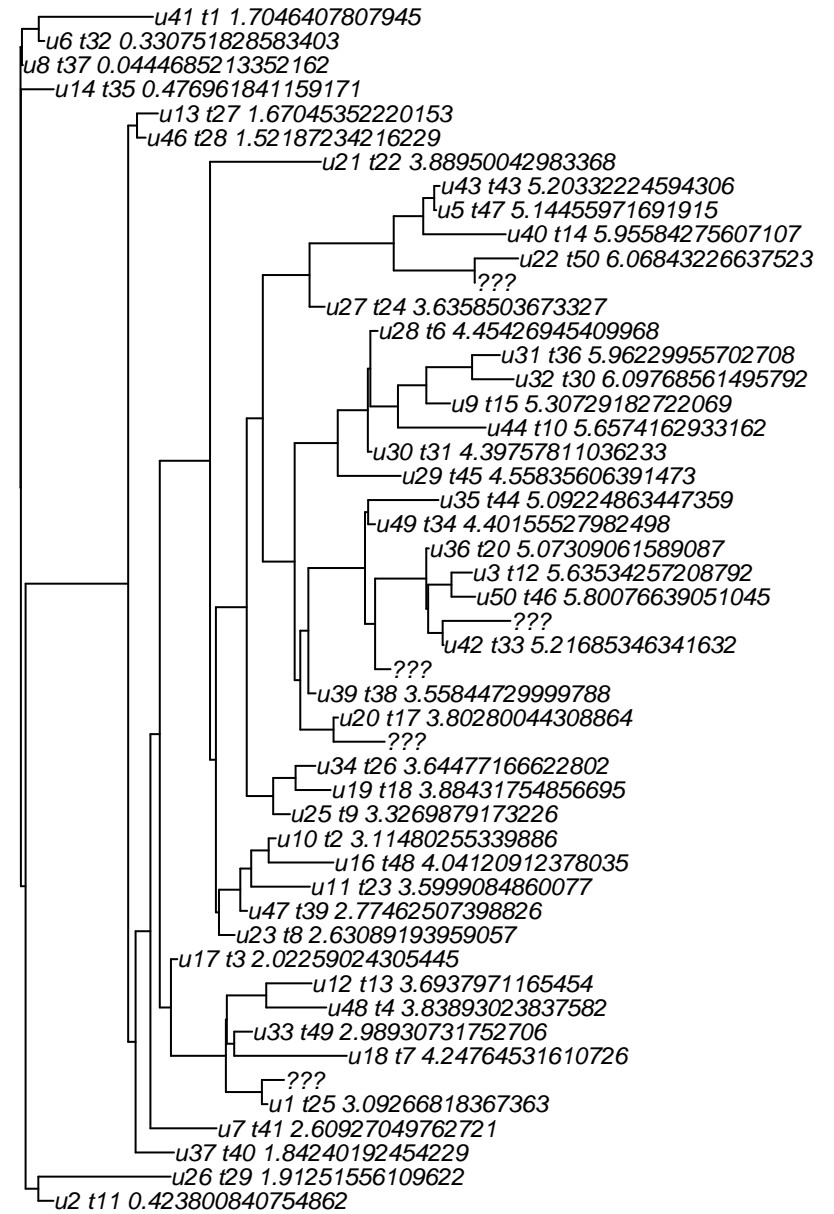
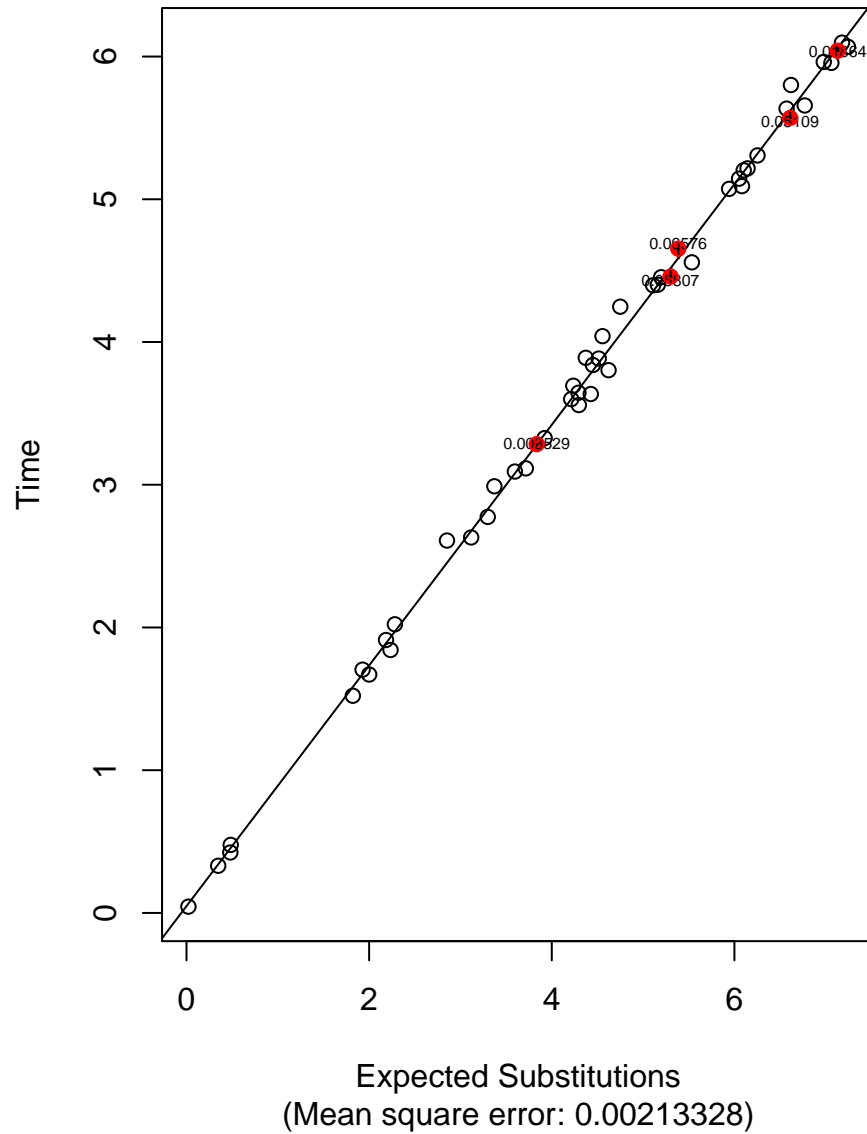
coal: Simulated-no.38 (Remove 5)

Time vs Distance



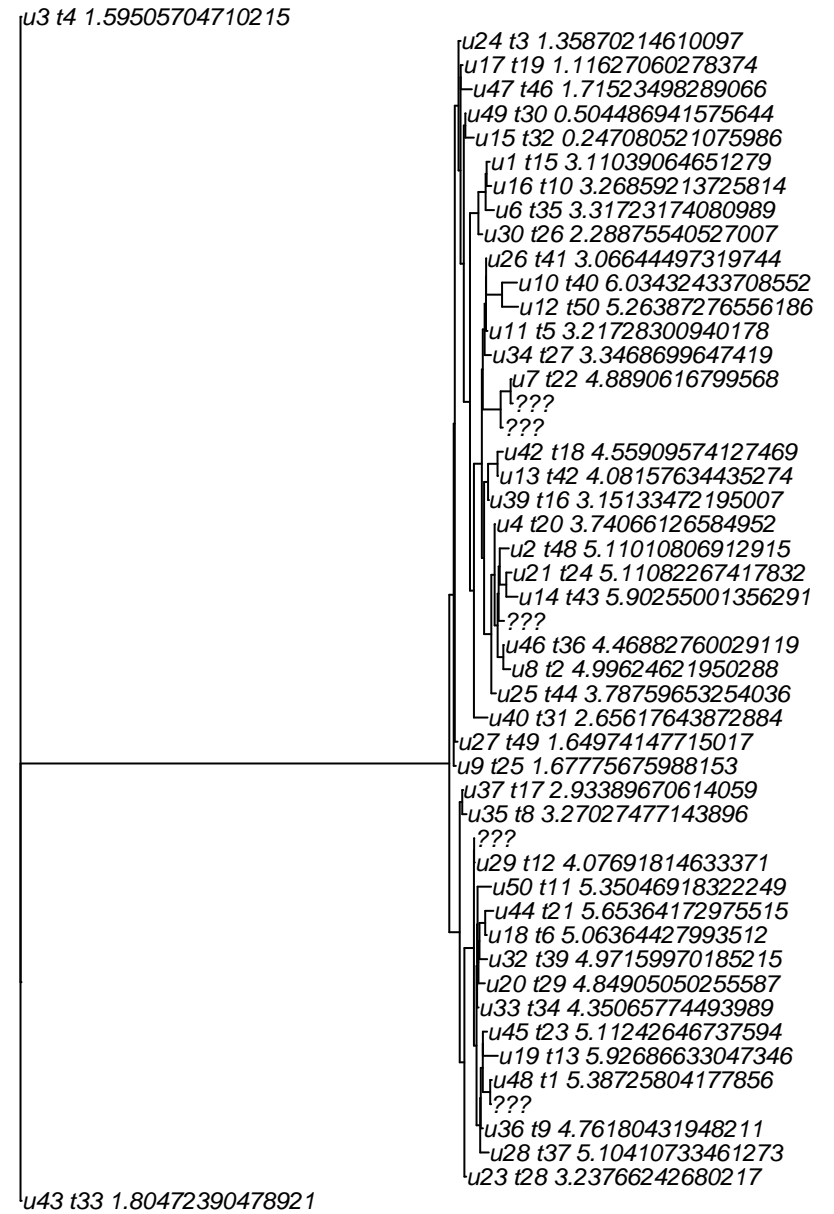
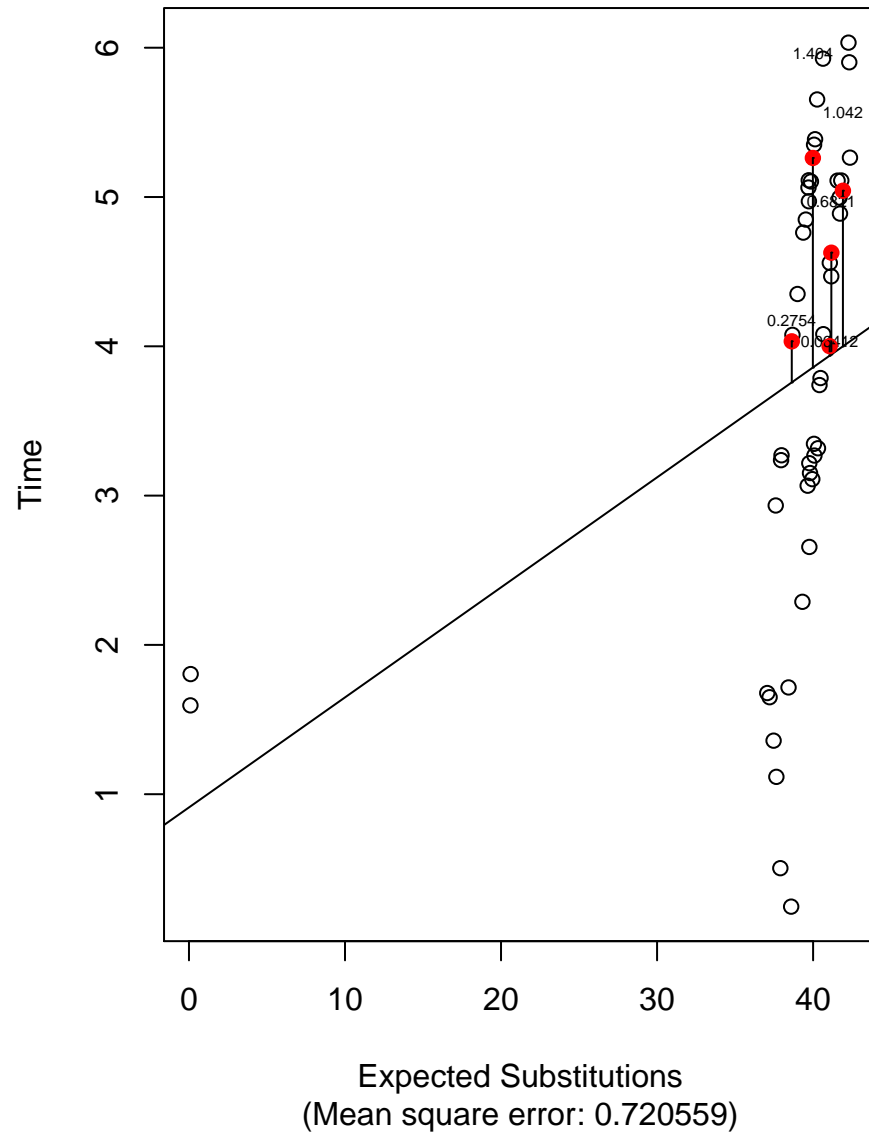
coal: Simulated-no.39 (Remove 5)

Time vs Distance



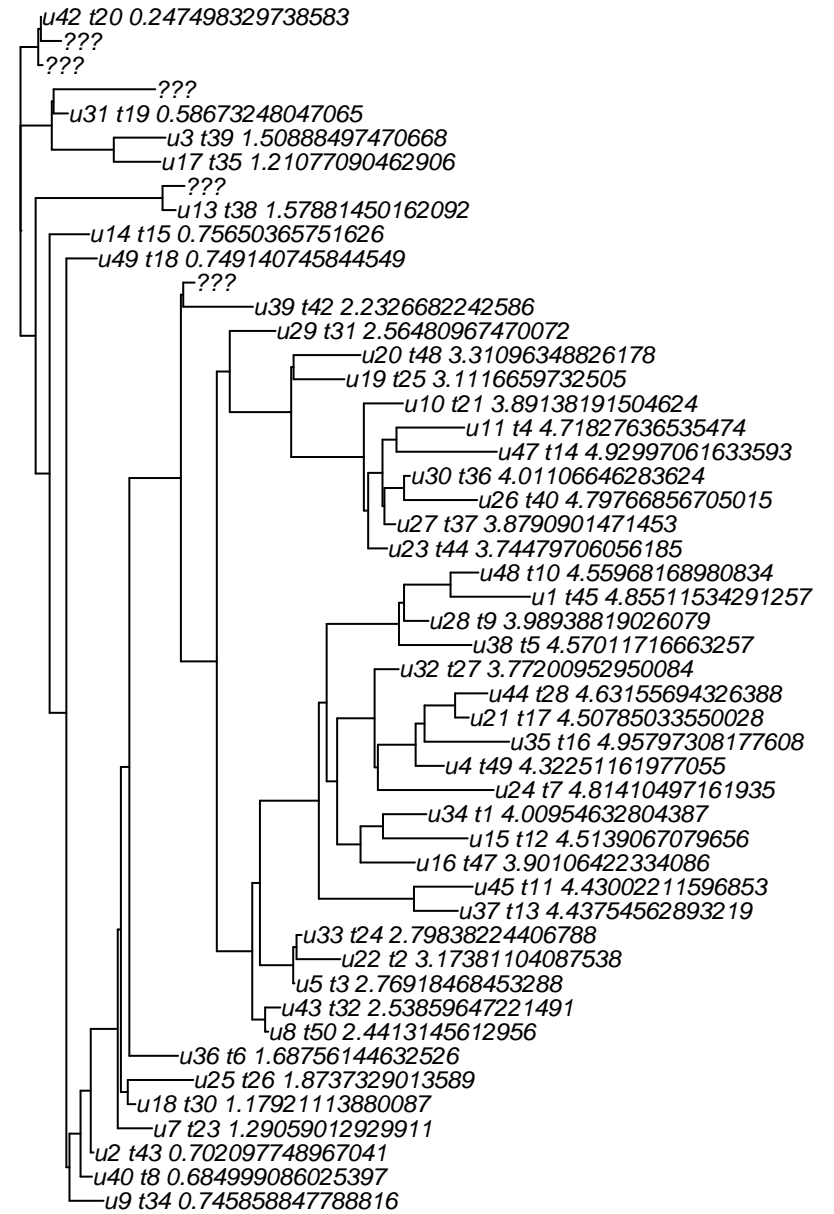
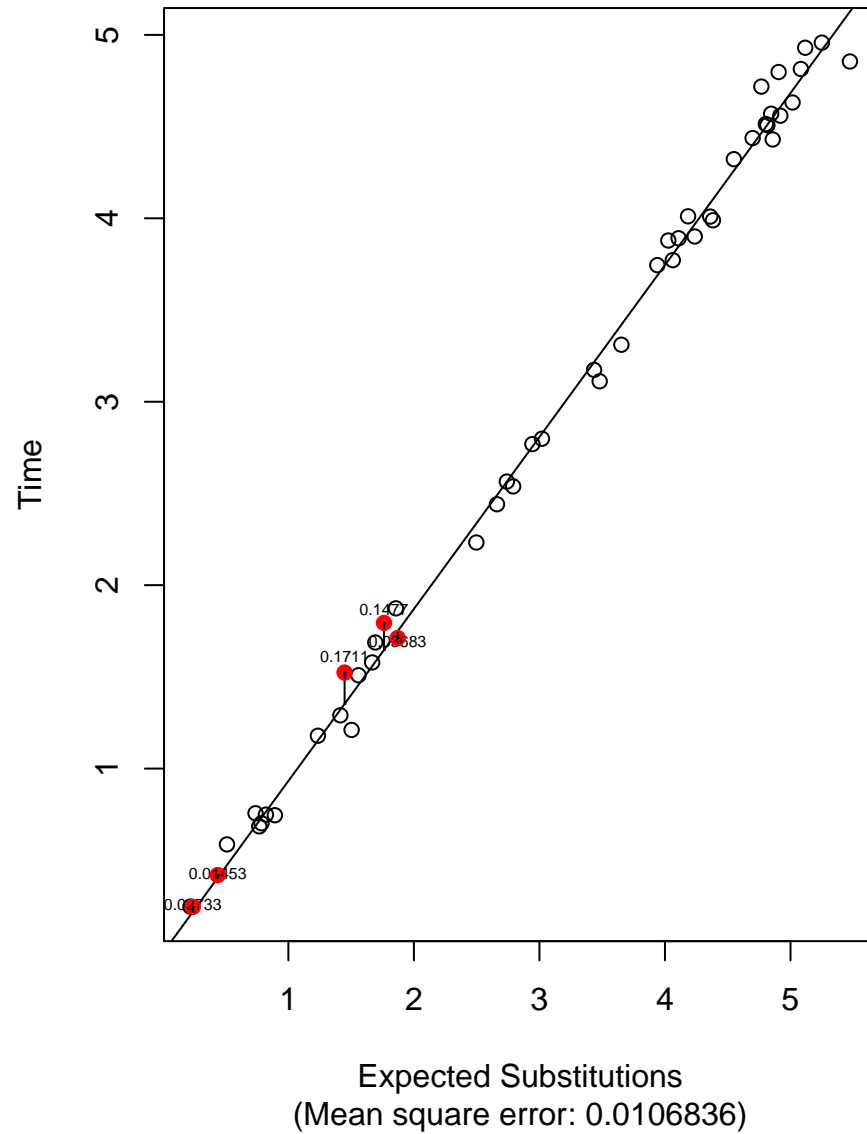
coal: Simulated-no.40 (Remove 5)

Time vs Distance



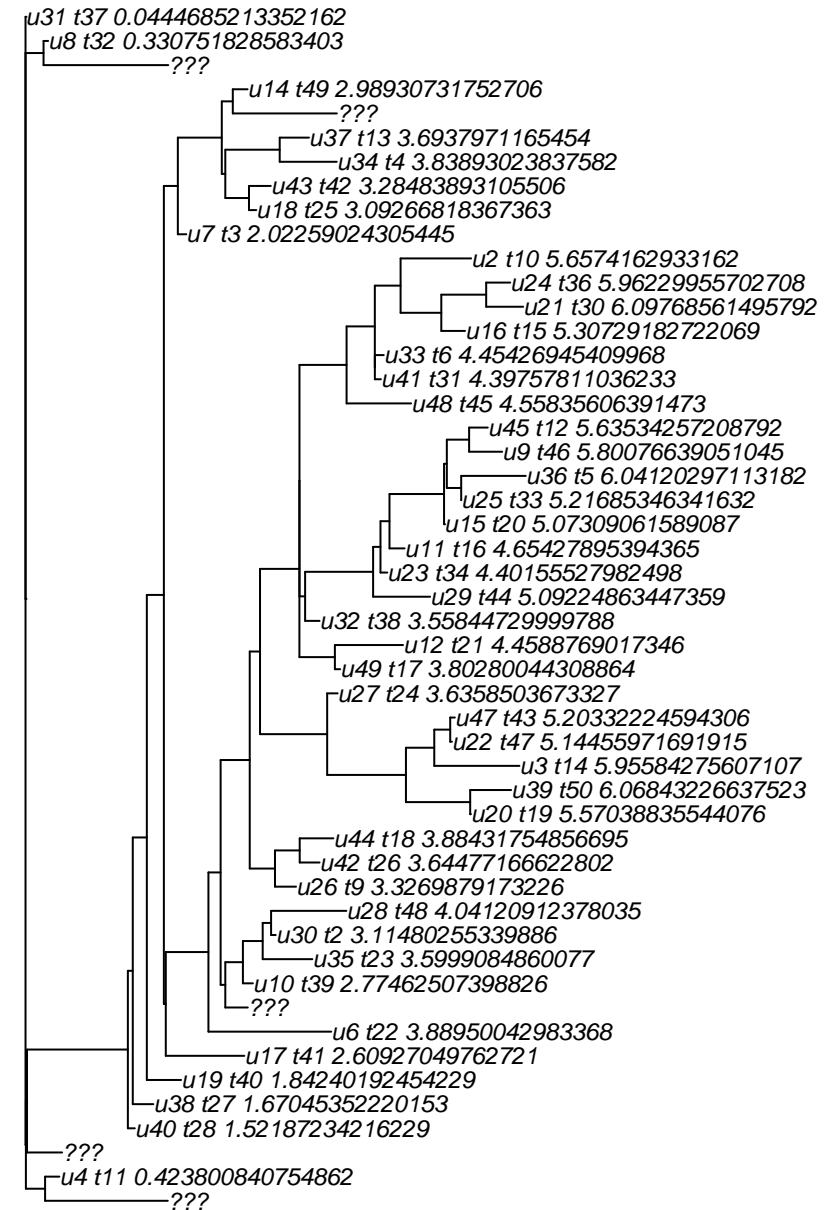
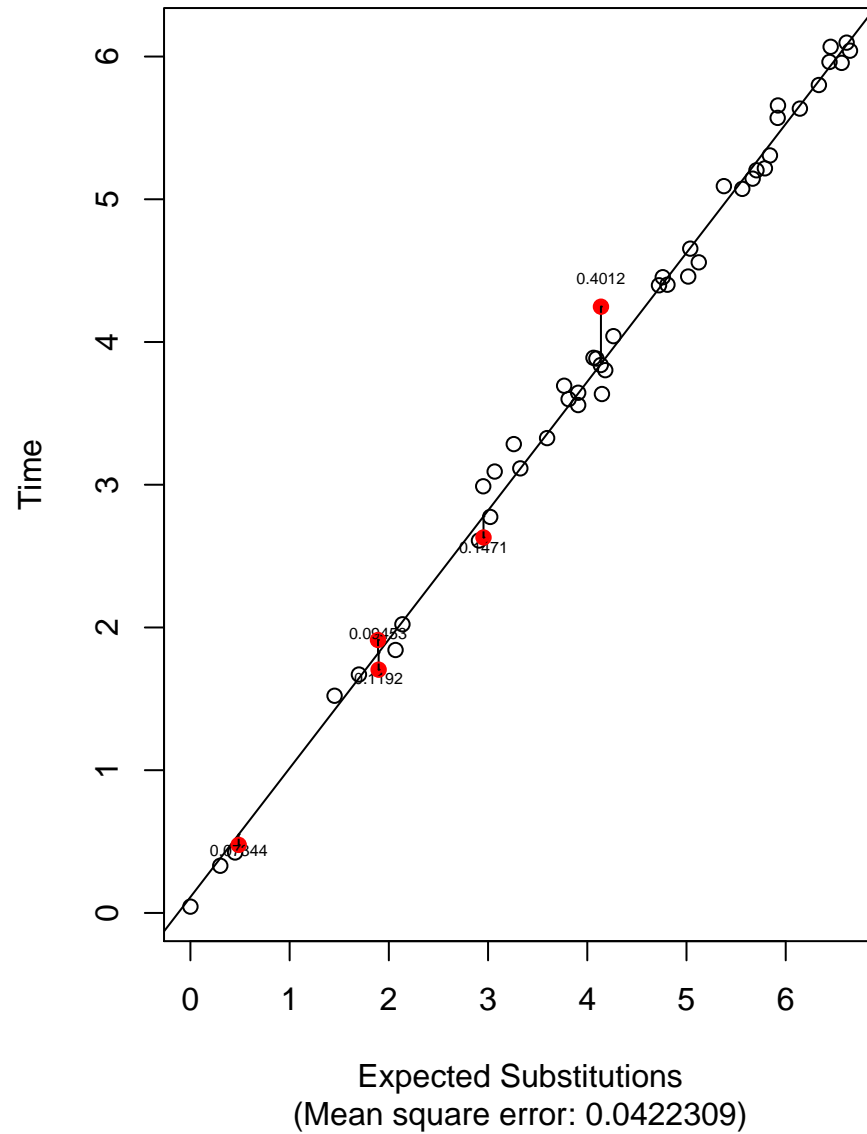
coal: Simulated-no.41 (Remove 5)

Time vs Distance



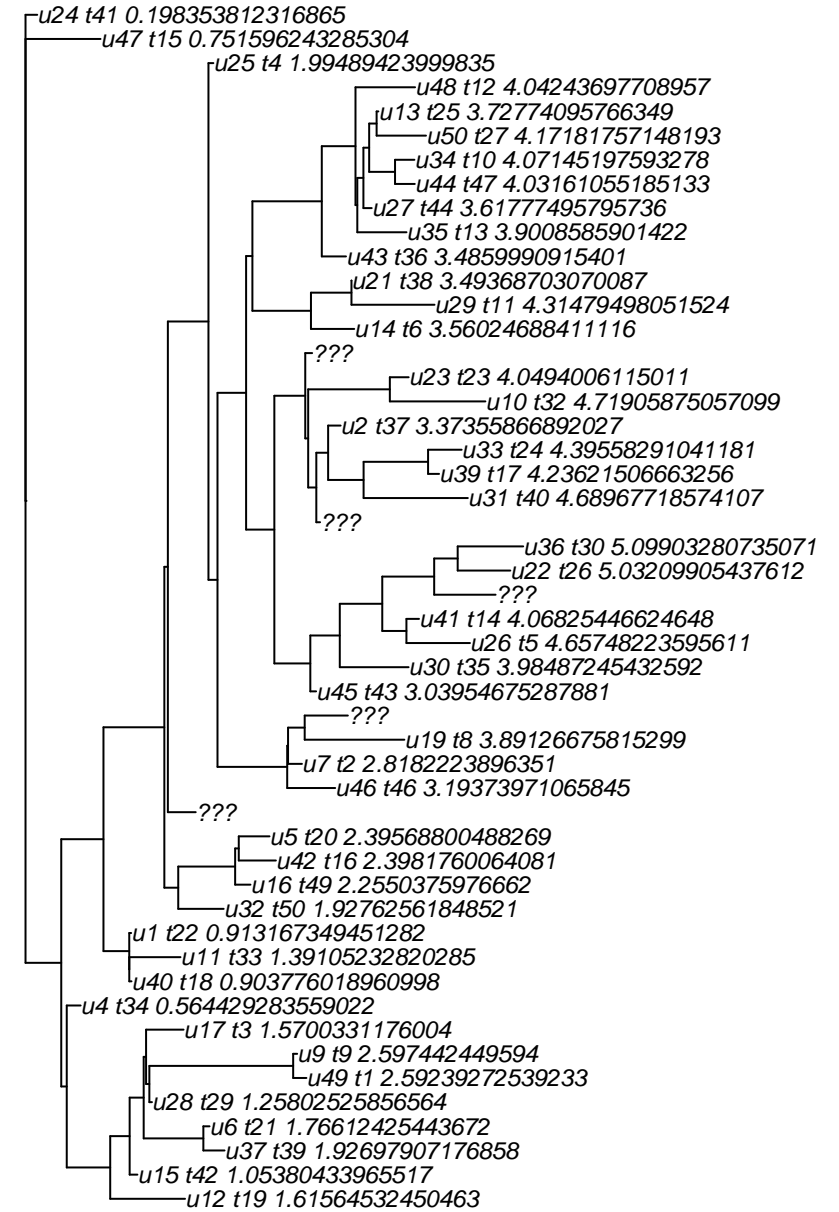
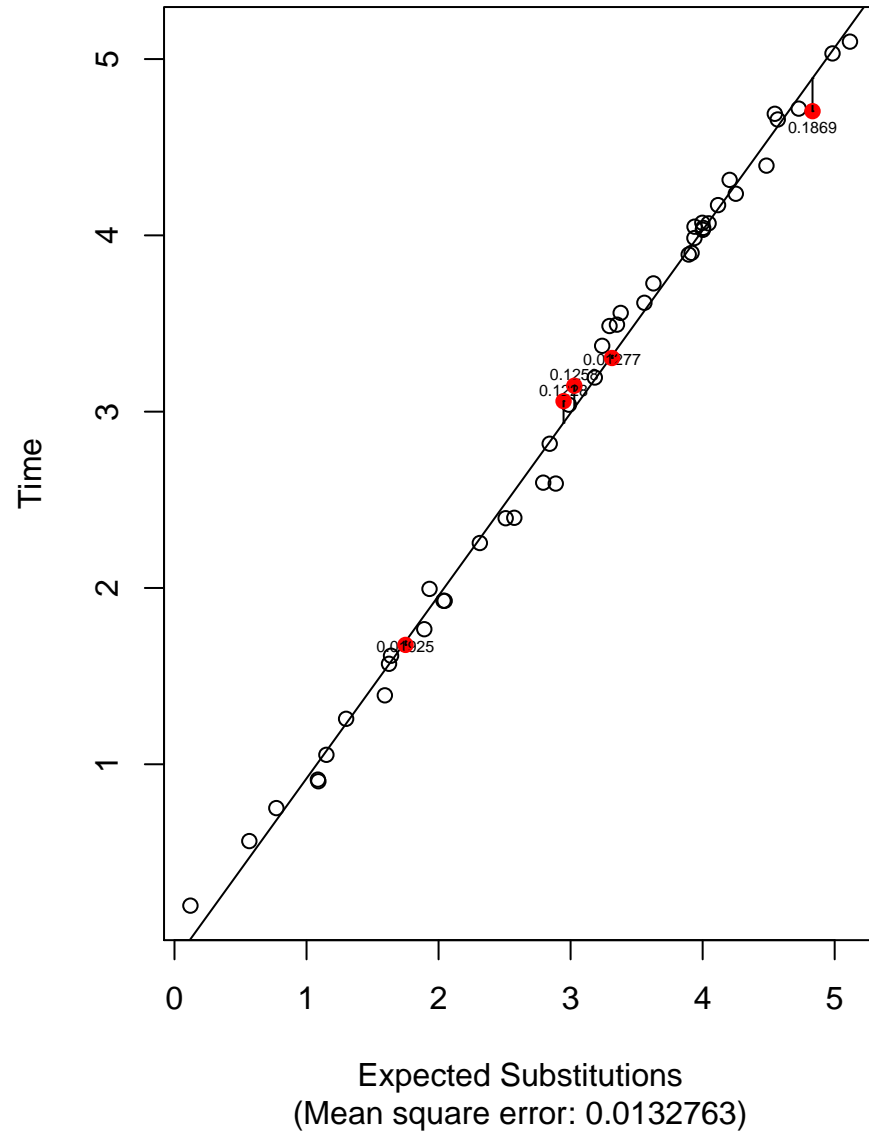
coal: Simulated-no.42 (Remove 5)

Time vs Distance



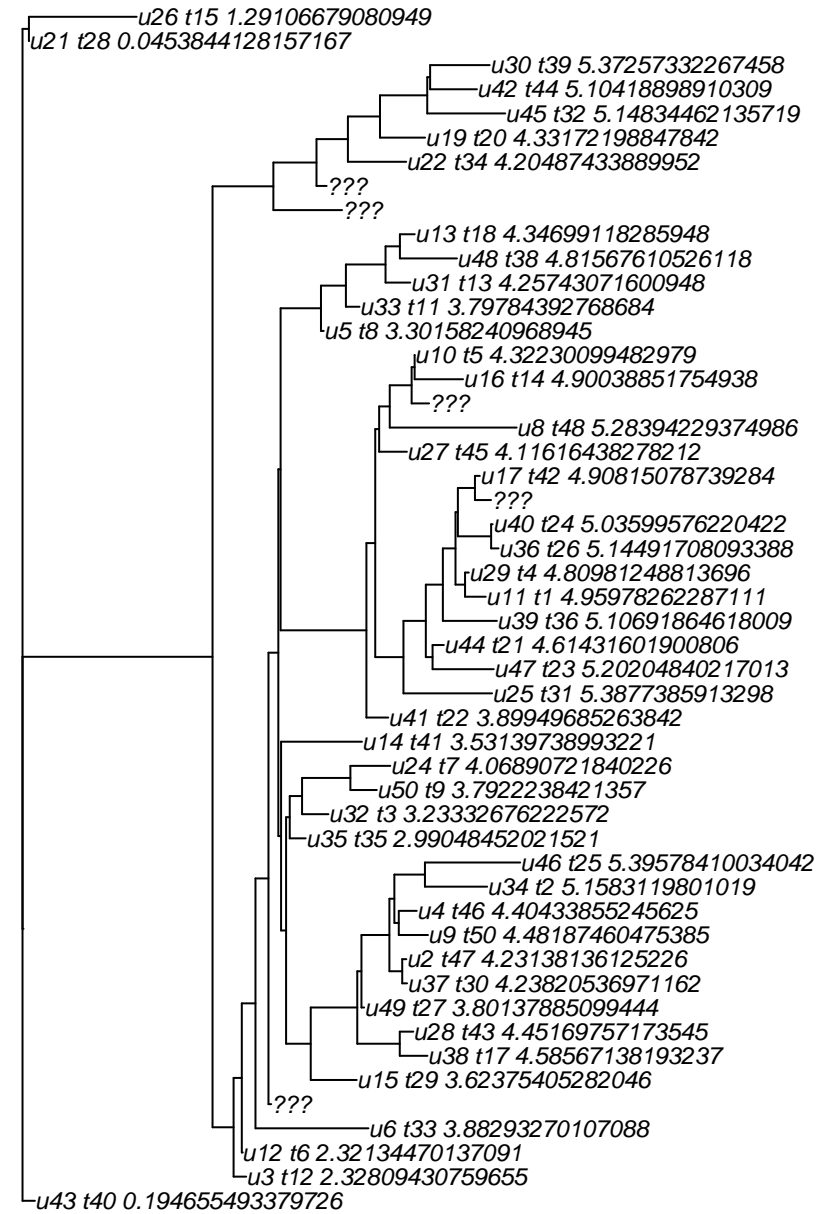
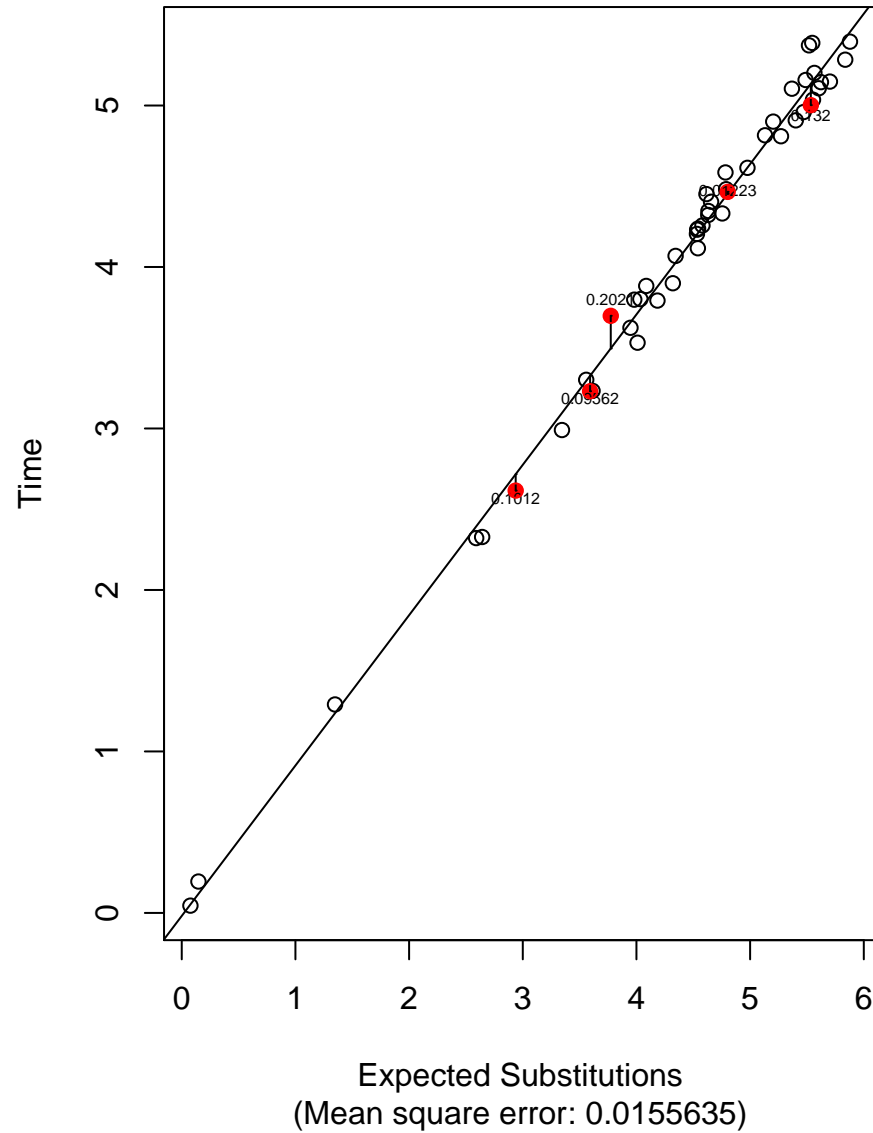
coal: Simulated-no.43 (Remove 5)

Time vs Distance



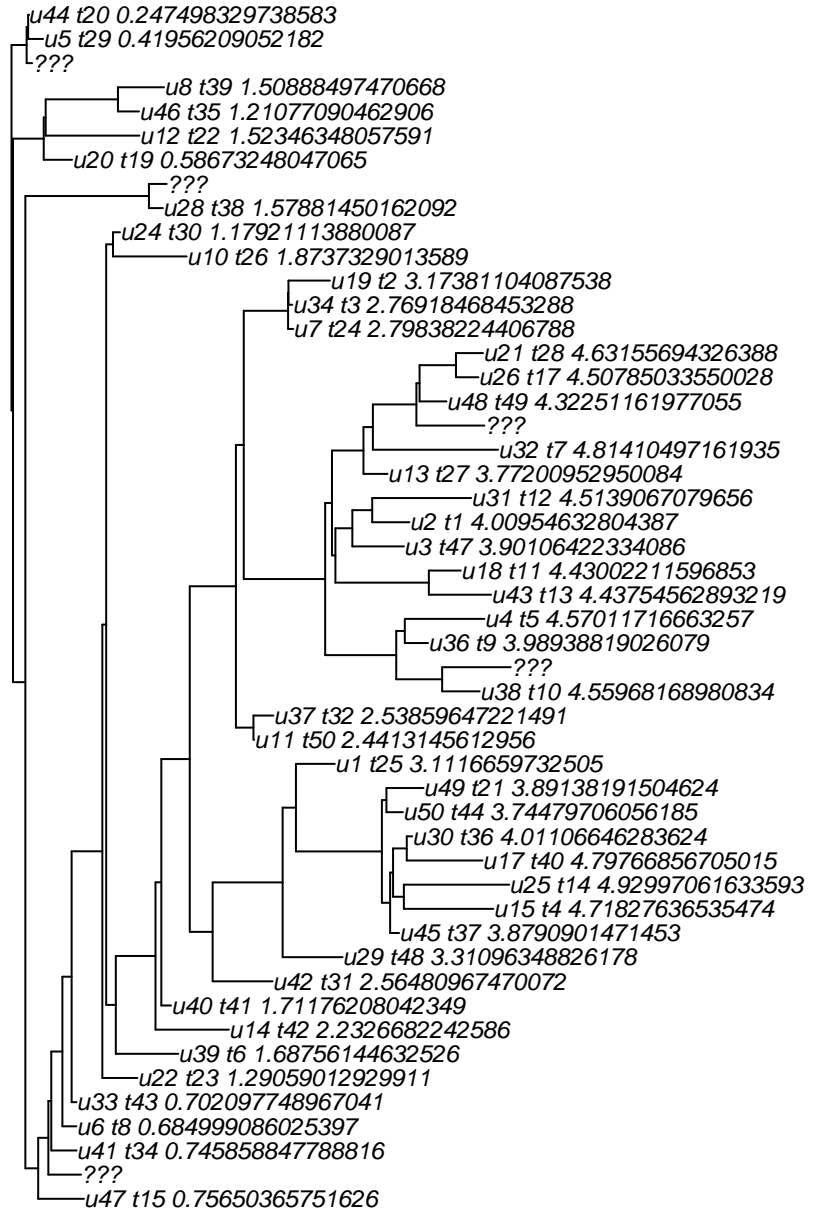
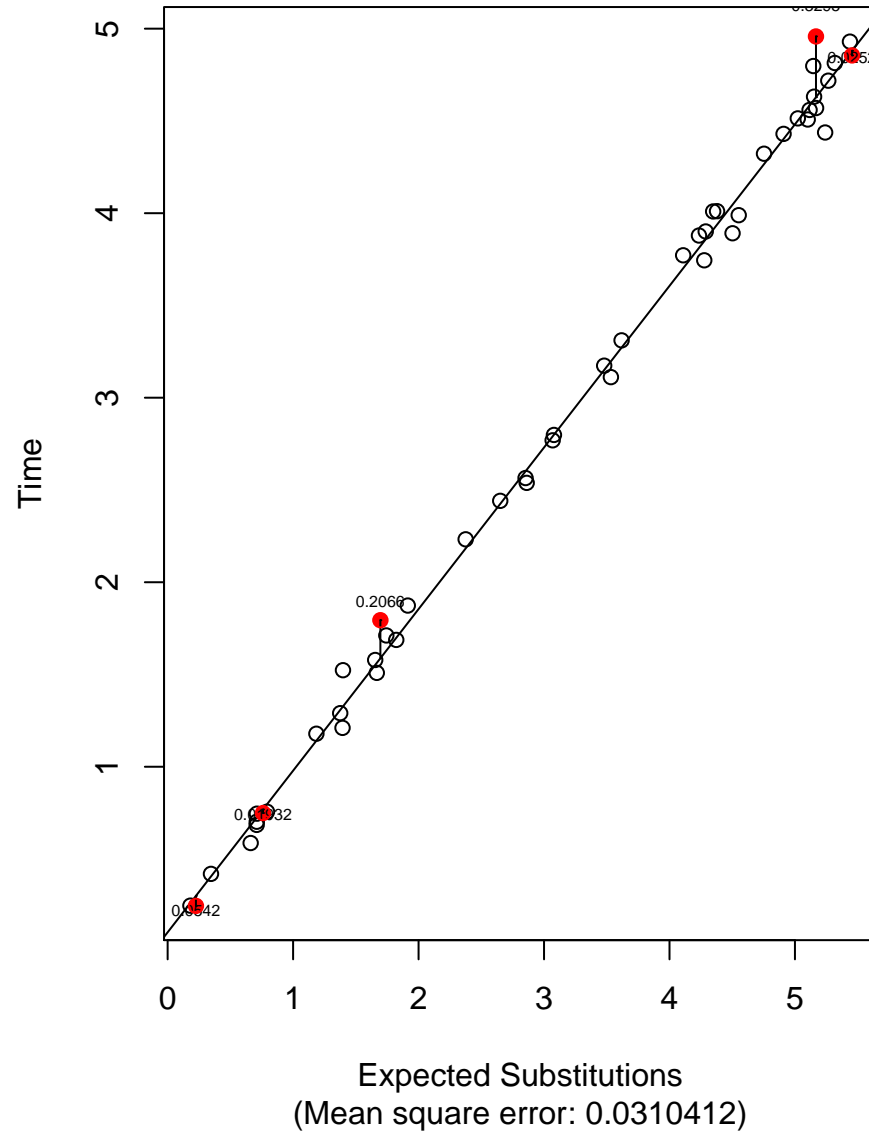
coal: Simulated-no.44 (Remove 5)

Time vs Distance



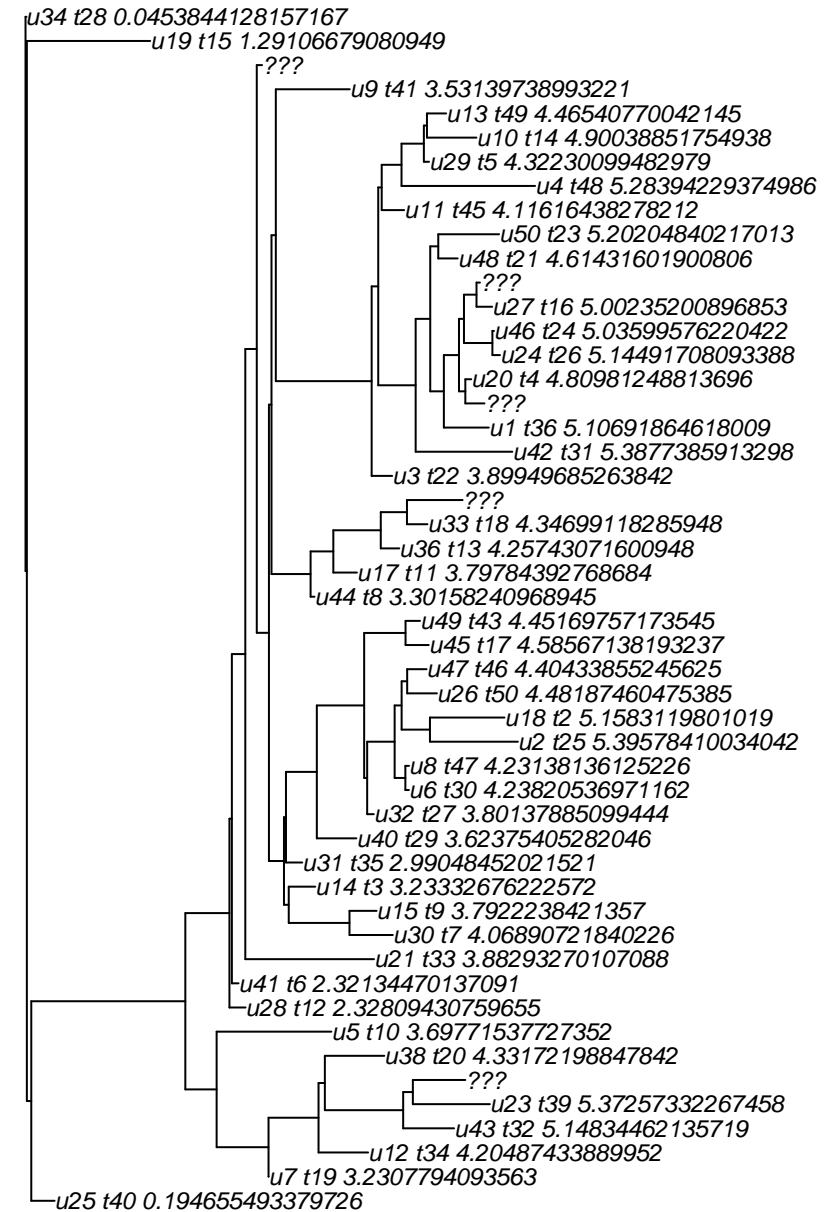
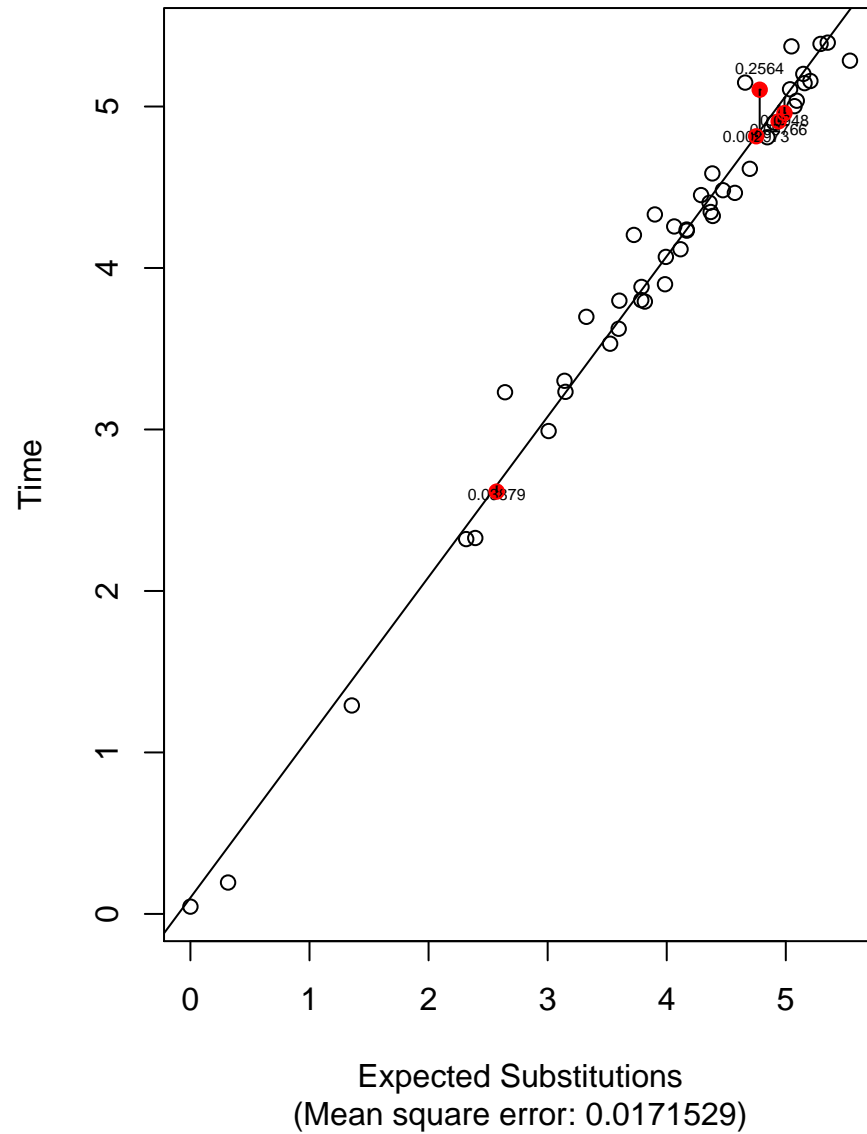
coal: Simulated-no.45 (Remove 5)

Time vs Distance

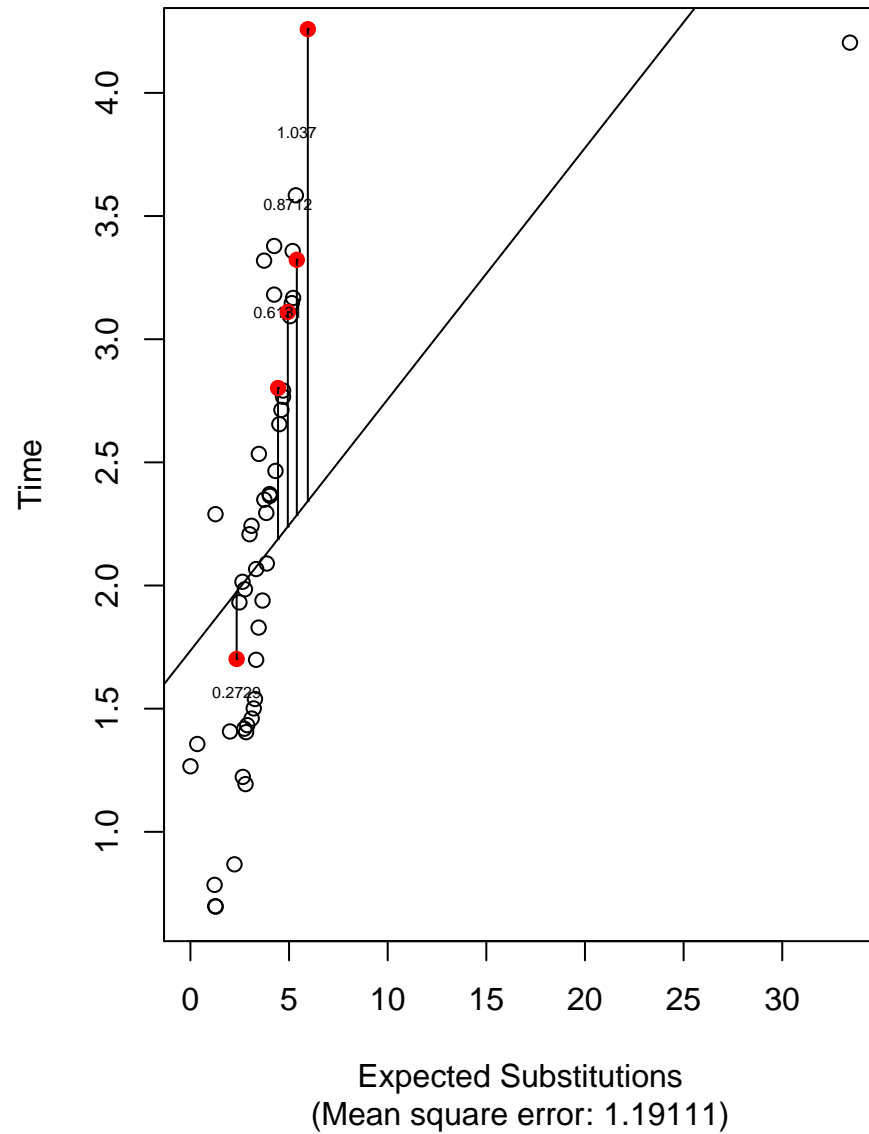


coal: Simulated-no.46 (Remove 5)

Time vs Distance



Time vs Distance

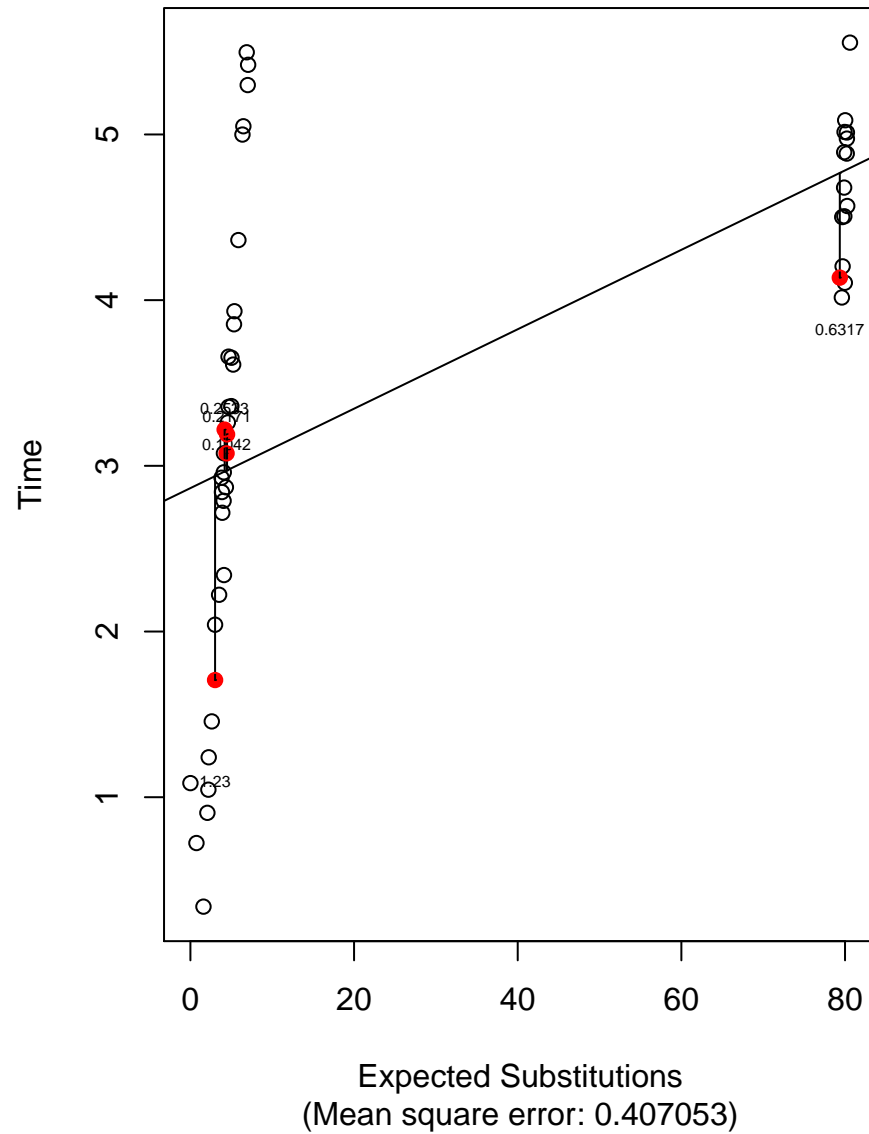


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u7 t40 1.26609501264997
u43 t8 2.28978984703418
u29 t11 1.35664025734764
  u23 t19 2.53434804789384
  u3 t4 3.18115604693006
  u44 t48 3.37854618928419
  u20 t17 2.24260922896442
  u11 t21 2.20823785092076
  u5 t29 1.98502006106293
  u36 t33 2.01508631081401
u13 t18 4.20418933339617
u32 t31 0.69638959413981
  u1 t6 3.31909519137299
  u24 t14 1.40757797638705
  ???
  u25 t27 1.93161098718769
u15 t13 0.698330841023159
  u19 t10 2.06698405507344
  u33 t26 2.34862129525803
  u2 t38 0.868189755854378
  u6 t25 1.22306308945292
  u12 t34 1.41863368751755
  u48 t36 1.82937149321879
  u31 t24 2.79158519809039
  u47 t46 2.76622820786469
  u39 t47 3.09350143819102
  u50 t39 3.14655622231428
  ???
  u41 t16 3.35809779177486
  ???
  ???
  u30 t28 2.46521887911982
  u38 t5 2.0893549029927
  u8 t3 1.19381333983421
  u40 t32 1.53931131221032
  u37 t9 1.50111173491389
  u27 t41 1.40473032593404
  u4 t1 1.6985424101257
  u14 t45 1.93916571669755
  u42 t44 3.16758361329
  u34 t35 2.65504905247909
  u28 t7 2.71313322950564
  u35 t30 2.36417084781936
  u16 t49 2.29465795629873
  u45 t20 2.37133863837502
  ???
  u46 t15 3.58424888699401
  u22 t43 1.43321261326704
  u10 t22 1.46009663183671
u26 t12 0.784723473225353
  
```

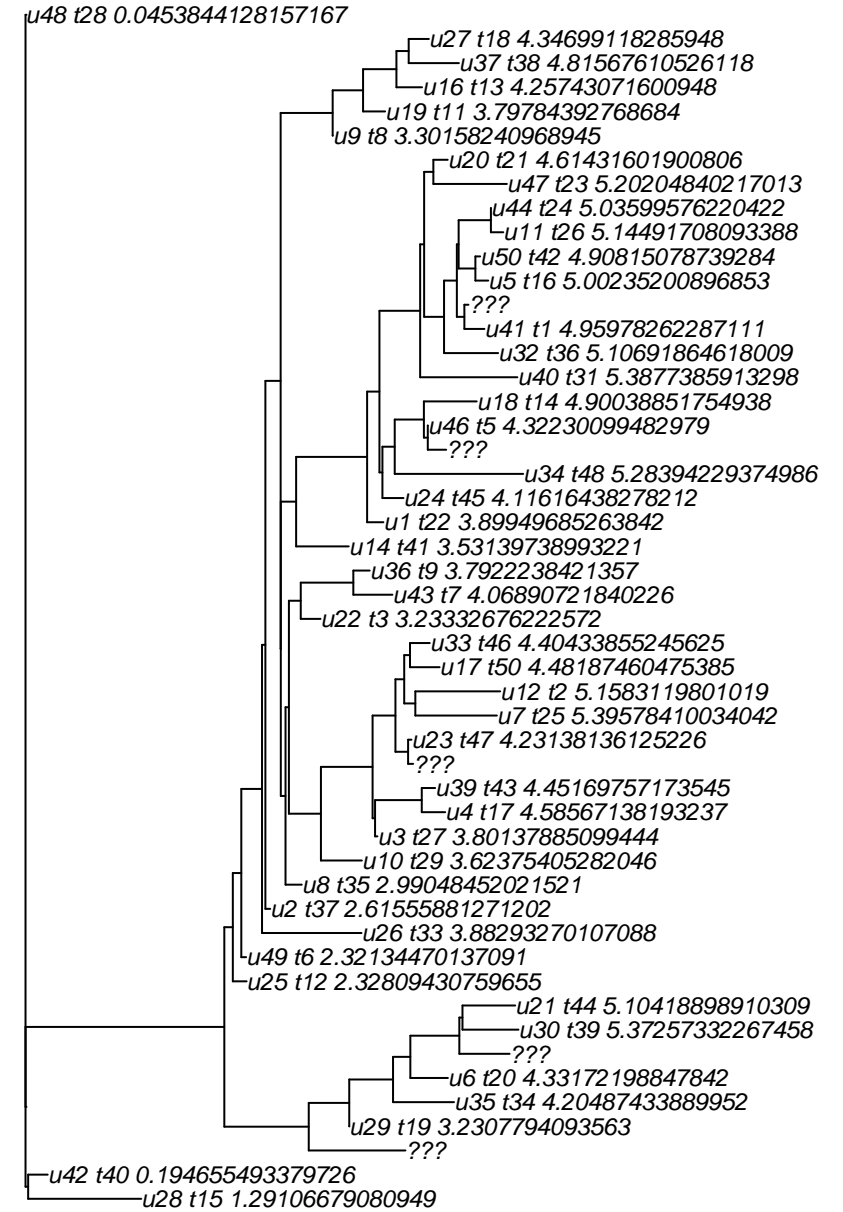
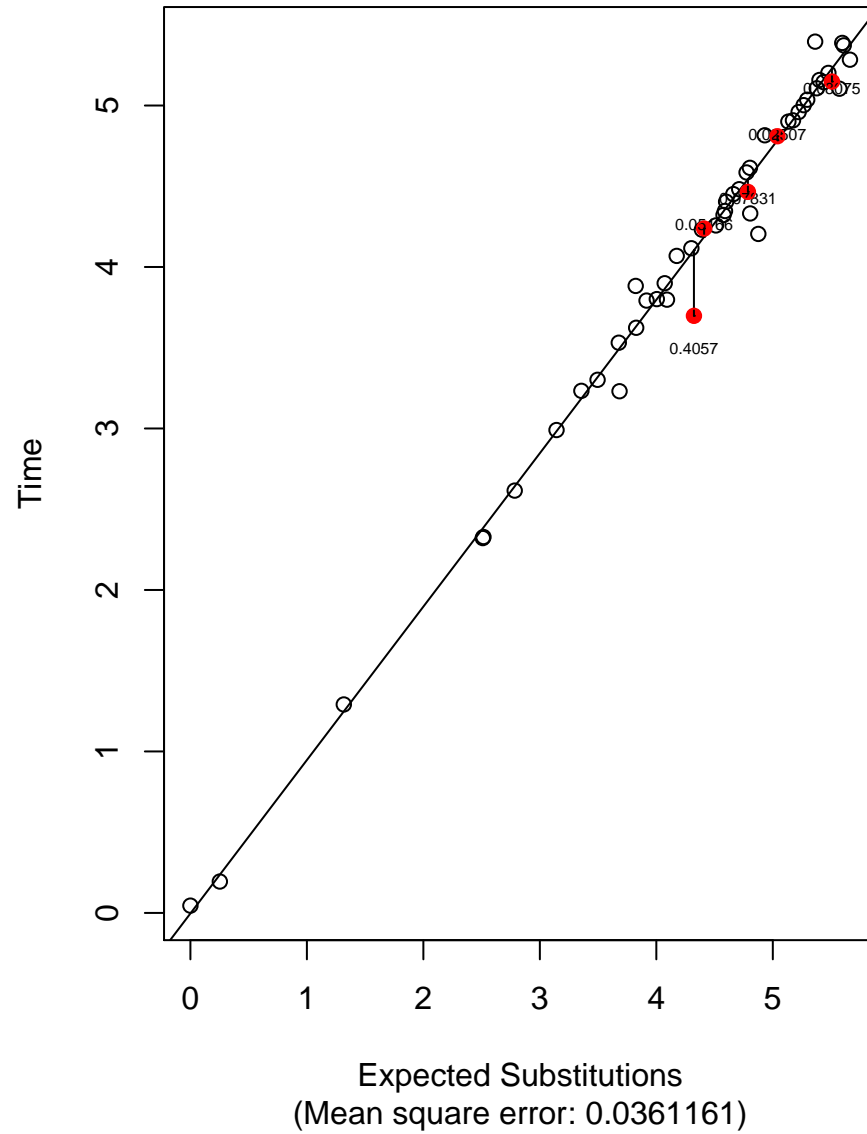
coal: Simulated-no.48 (Remove 5)

Time vs Distance



coal: Simulated-no.49 (Remove 5)

Time vs Distance



Histogram of MSE

