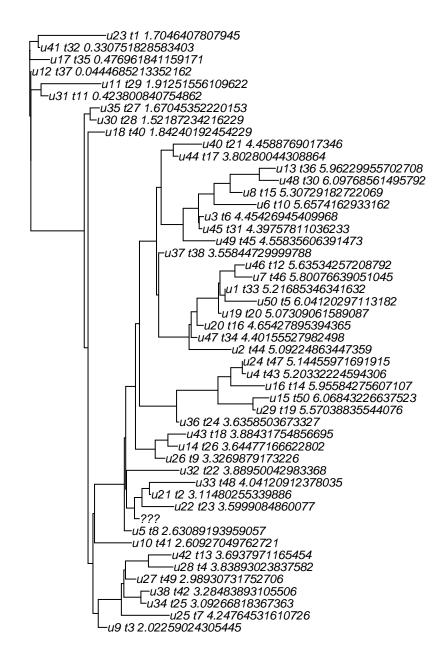
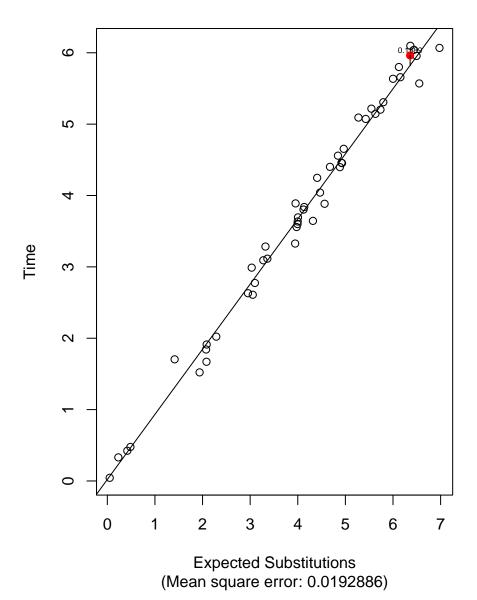


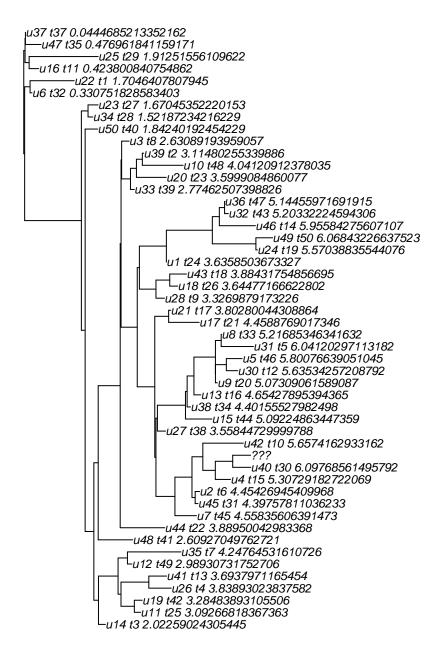
Expected Substitutions (Mean square error: 0.00160958)

coal: Simulated-no.1 (Remove 1)



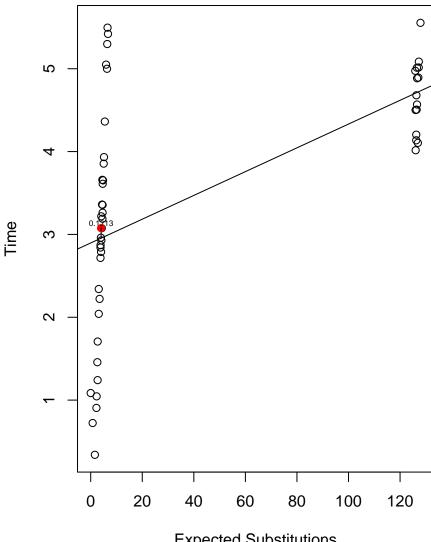


coal: Simulated-no.2 (Remove 1)

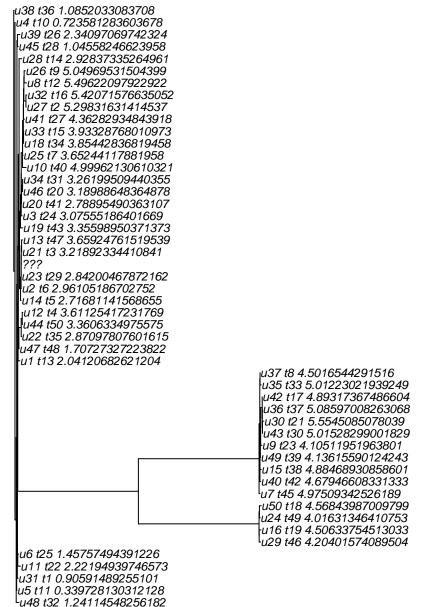


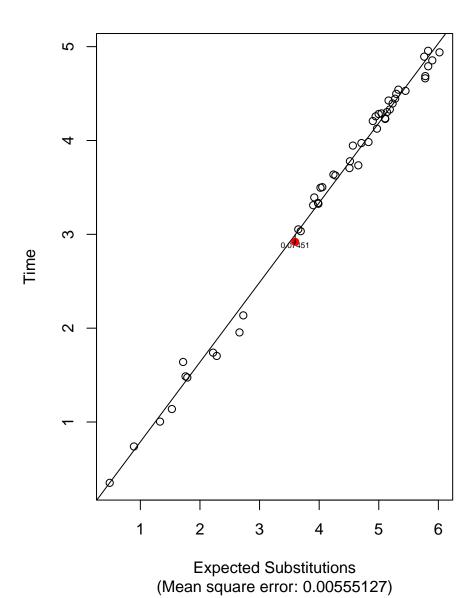
coal: Simulated-no.3 (Remove 1)

Time vs Distance

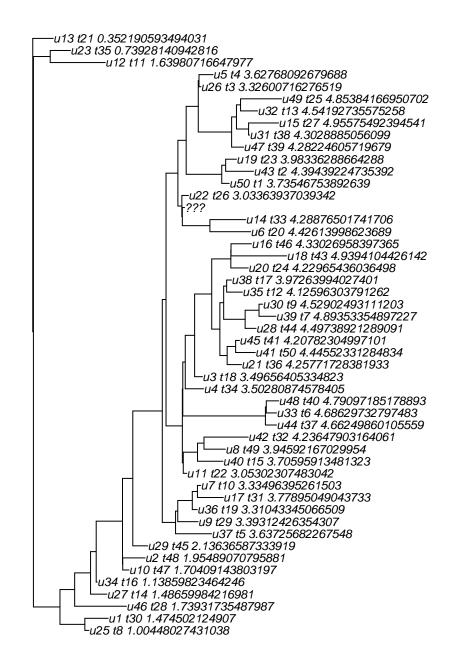


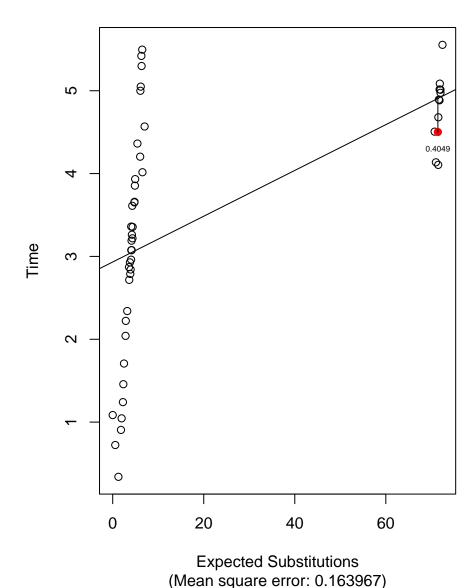
Expected Substitutions (Mean square error: 0.014703)



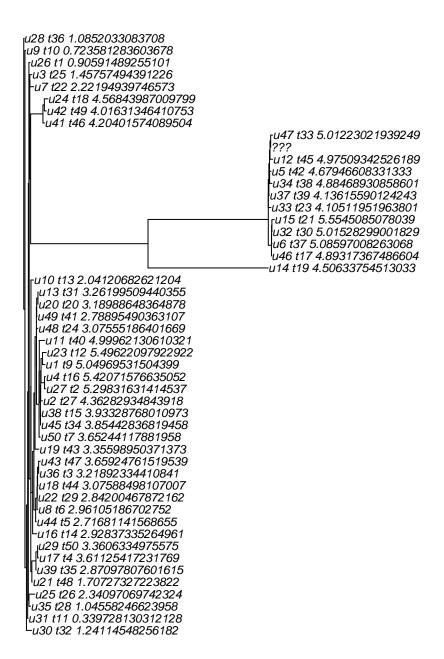


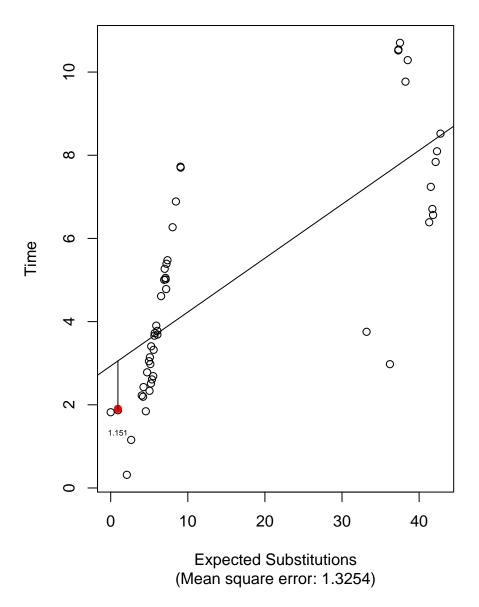
coal: Simulated-no.4 (Remove 1)



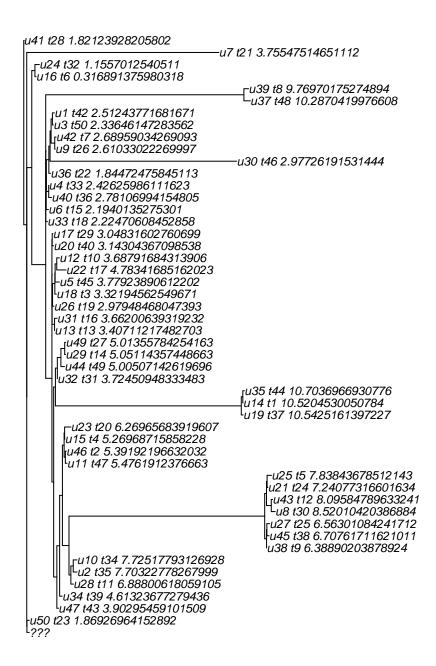


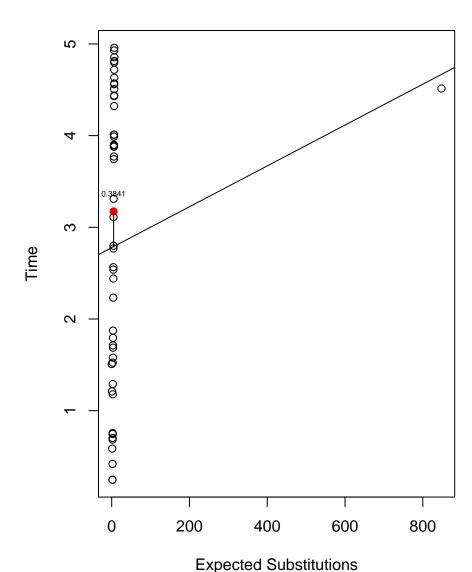
coal: Simulated-no.5 (Remove 1)





coal: Simulated-no.6 (Remove 1)

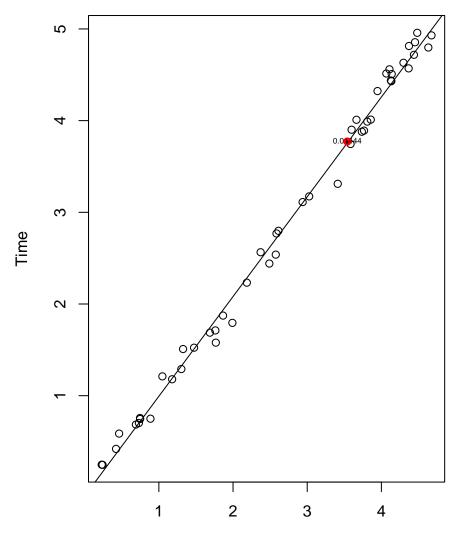




(Mean square error: 0.147551)

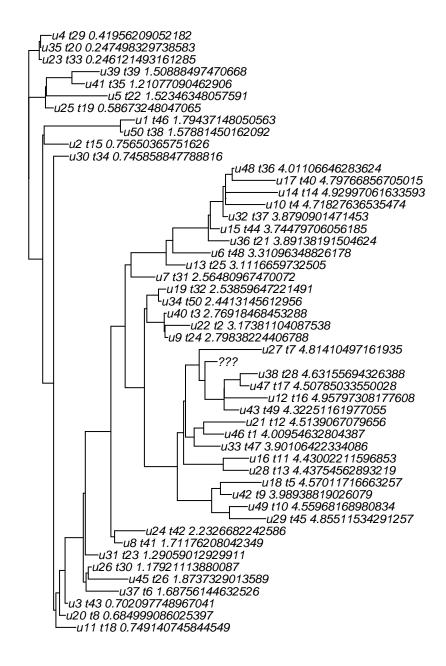
coal: Simulated-no.7 (Remove 1)

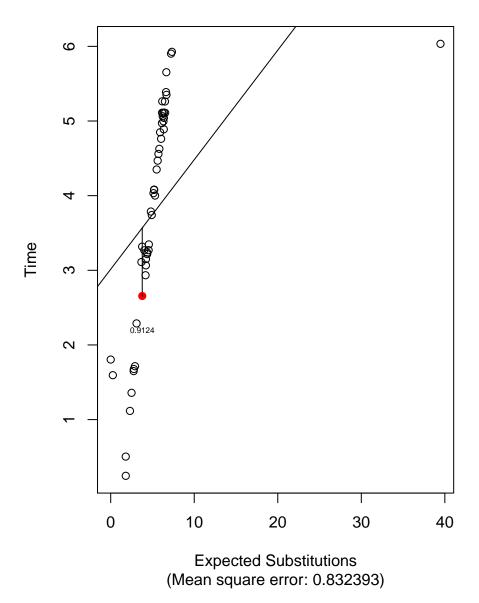
```
<sub>1</sub>u6 t39 1.50888497470668
u28 t22 1.52346348057591
u30 t26 1.8737329013589
u44 t30 1.17921113880087
u33 t40 4.79766856705015
u5 t36 4.01106646283624
u43 t37 3.8790901471453
u15 t4 4.71827636535474
u38 t14 4.92997061633593
u7 t21 3.89138191504624
u27 t44 3.74479706056185
u35 t48 3.31096348826178
u4 t25 3.1116659732505
u34 t31 2.56480967470072
u12 t50 2.4413145612956
u49 t32 2.53859647221491
u11 t27 3.77200952950084
u39 t7 4.81410497161935
u25 t28 4.63155694326388
u29 t17 4.50785033550028
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
u19 t24 2.79838224406788
u40 t3 2.76918468453288
u45 t42 2.2326682242586
u17 t41 1.71176208042349
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
u50 t38 1.57881450162092
u37 t29 0.41956209052182
u3 t20 0.247498329738583
u8 t33 0.246121493161285
u21 t19 0.58673248047065
u20 t35 1.21077090462906
```



Expected Substitutions (Mean square error: 0.000208636)

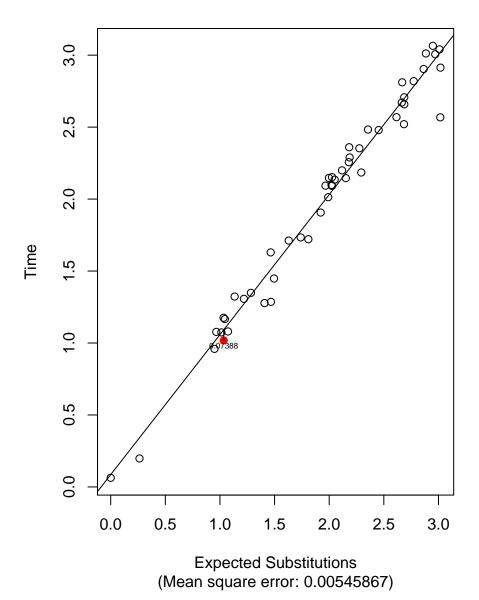
coal: Simulated-no.8 (Remove 1)



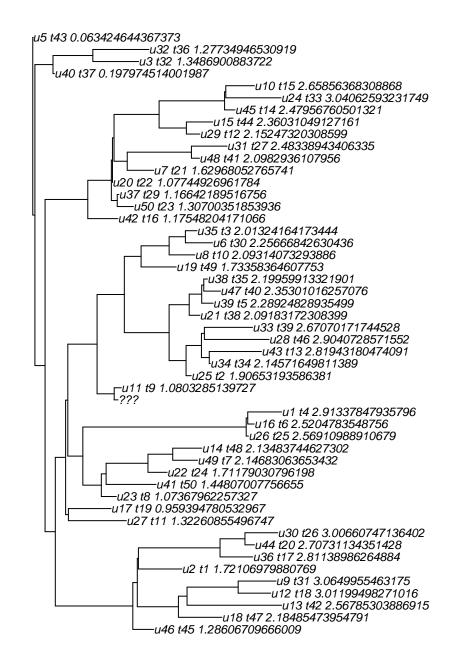


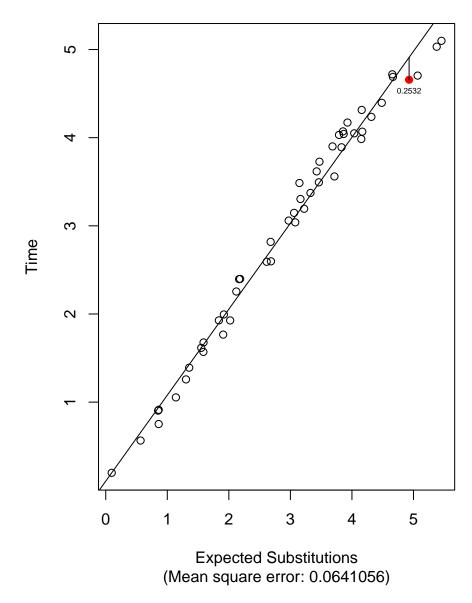
coal: Simulated-no.9 (Remove 1)

```
<sub>1</sub>u45 t33 1.80472390478921
u2 t4 1.59505704710215
 ıu47 t30 0.504486941575644
  <sub>г</sub>и9 t25 1.67775675988153
    ıu7 t28 3.23766242680217
       ∟u18 t13 5.92686633047346
       lu10 t1 5.38725804177856
      <sup>1</sup>u36 t14 5.26168490194517
      Lu26 t23 5.11242646737594
      fu3 t9 4.76180431948211
      <sup>L</sup>u20 t37 5.10410733461273
      ru31 t39 4.97159970185215
       <sub>-</sub>ru4 t21 5.65364172975515
       <sup>1</sup>u5 t6 5.06364427993512
       -u16 t11 5.35046918322249
      -u46 t29 4.84905050255587
      <sup>l</sup>u19 t34 4.35065774493989
     u15 t12 4.07691814633371
     u30 t7 4.03361830010156
    u17 t17 2.93389670614059
    <sup>1</sup>u27 t8 3.27027477143896
   u25 t49 1.64974147715017
  u12 t3 1.35870214610097
  u44 t19 1.11627060278374
  -u14 t46 1.71523498289066
   ru24 t15 3.11039064651279
   -u34 t10 3.26859213725814
  Lu29 t35 3.31723174080989
  <sup>L</sup>u50 t26 2.28875540527007
       ıu13 t22 4.8890616799568
       <sup>1</sup>u32 t45 5.04218603762866
     <sup>1</sup>u35 t38 4.00116129210536
      ги11 t50 5.26387276556186
                                                 -u22 t40 6.03432433708552
     u39 t5 3.21728300940178
    u40 t41 3.06644497319744
    <sup>L</sup>u21 t27 3.3468699647419
      u42 t24 5.11082267417832
-u48 t43 5.90255001356291
      –u49 t48 5.11010806912915
      -u28 t47 4.6272721465264
      ıu38 t36 4.46882760029119
      <sup>L</sup>u23 t2 4.99624621950288
     <sup>l</sup>u33 t20 3.74066126584952
     u1 t44 3.78759653254036
     ги43 t18 4.55909574127469
     <sup>¬</sup>u6 t42 4.08157634435274
    <sup>1</sup>u41 t16 3.15133472195007
 <sup>L</sup>u8 t32 0.247080521075986
```

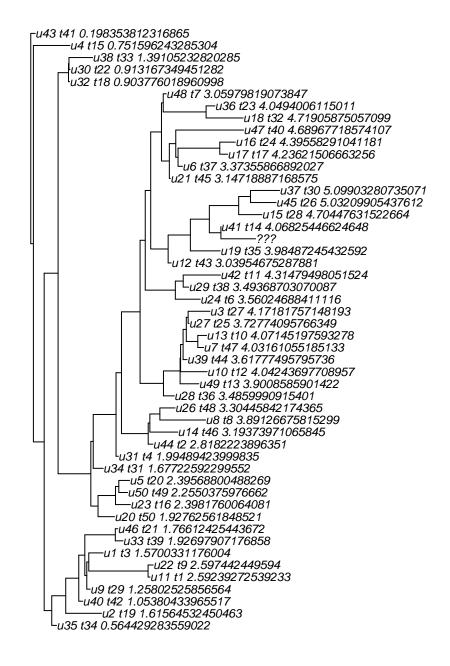


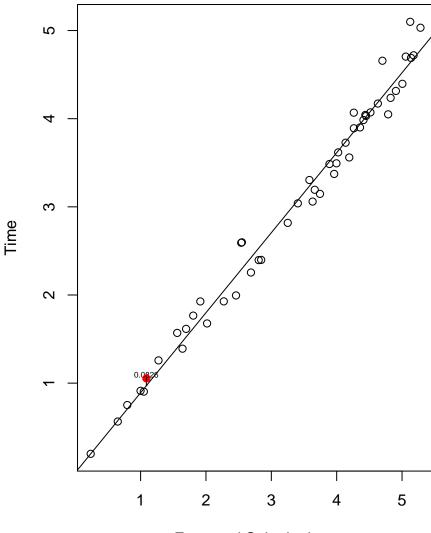
coal: Simulated-no.10 (Remove 1)





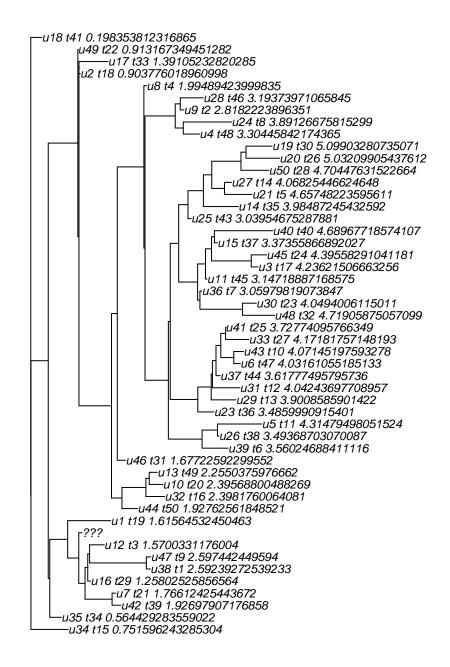
coal: Simulated-no.11 (Remove 1)

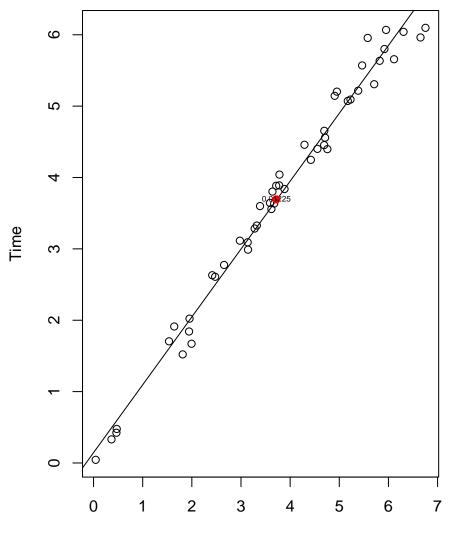




Expected Substitutions (Mean square error: 0.00682196)

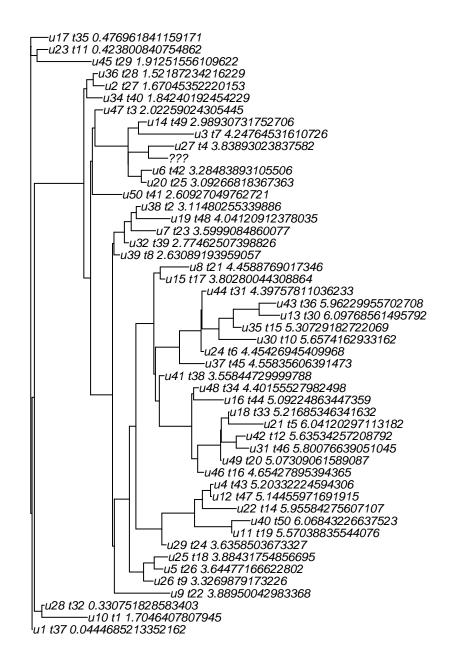
coal: Simulated-no.12 (Remove 1)

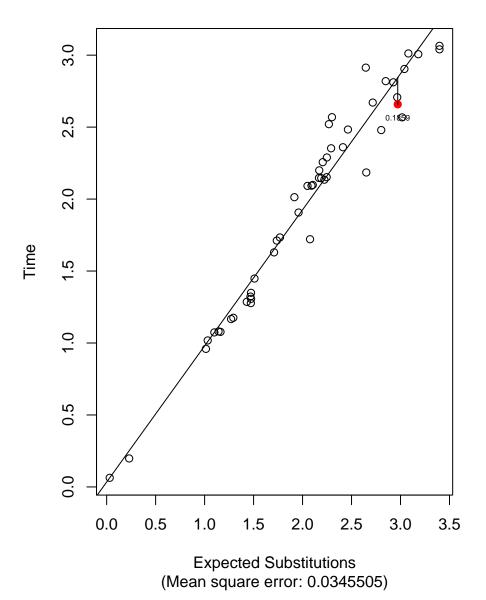




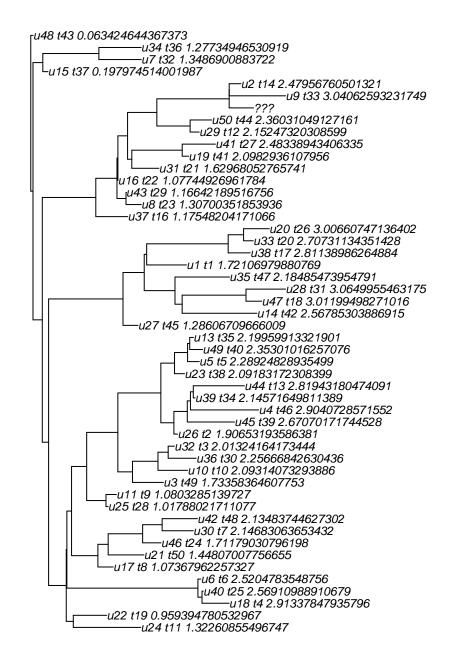
Expected Substitutions (Mean square error: 0.000150074)

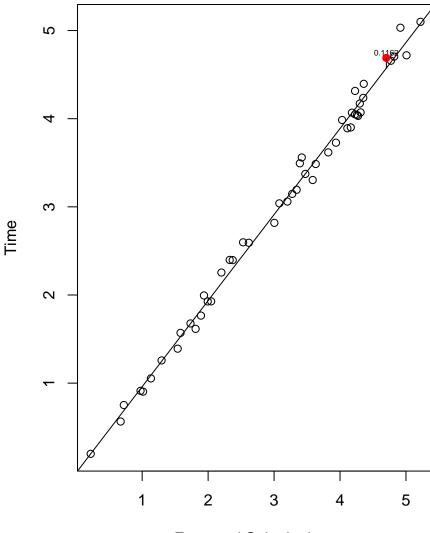
coal: Simulated-no.13 (Remove 1)





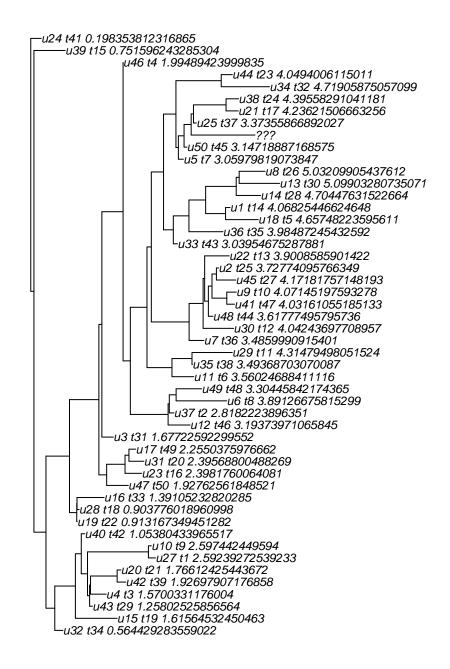
coal: Simulated-no.14 (Remove 1)

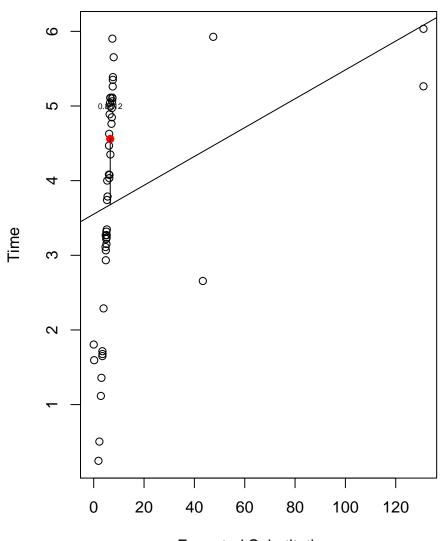




Expected Substitutions (Mean square error: 0.0134966)

coal: Simulated-no.15 (Remove 1)





Expected Substitutions (Mean square error: 0.776576)

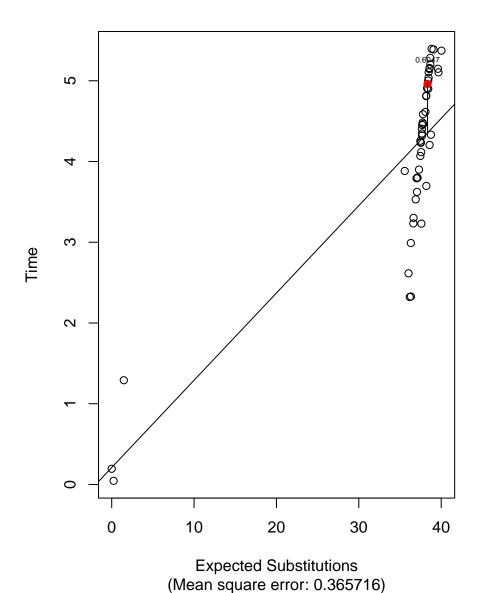
coal: Simulated-no.16 (Remove 1)

```
<sub>1</sub>u28 t33 1.80472390478921
ıu11 t30 0.504486941575644
 ıu39 t34 4.35065774493989
  u41 t29 4.84905050255587
  u38 t39 4.97159970185215
                ·u26 t13 5.92686633047346
  u14 t6 5.06364427993512
  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
  u25 t12 4.07691814633371
 u19 t7 4.03361830010156
 du33 t28 3.23766242680217
 u37 t8 3.27027477143896
 <sup>l</sup>u27 t17 2.93389670614059
u23 t25 1.67775675988153
u9 t49 1.64974147715017
u43 t3 1.35870214610097
u44 t46 1.71523498289066
u21 t19 1.11627060278374
 lu15 t42 4.08157634435274
u3 t16 3.15133472195007
 ıu13 t24 5.11082267417832
 <sup>1</sup>u46 t43 5.90255001356291
u48 t47 4.6272721465264
 u8 t48 5.11010806912915
 u35 t2 4.99624621950288
 u36 t36 4.46882760029119
 u16 t20 3.74066126584952
 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
 <sub>1</sub>u5 t22 4.8890616799568
 u50 t45 5.04218603762866
 u17 t38 4.00116129210536
 <sub>1</sub>u30 t10 3.26859213725814
 u49 t15 3.11039064651279
 u45 t35 3.31723174080989
u18 t26 2.28875540527007
u34 t32 0.247080521075986
```

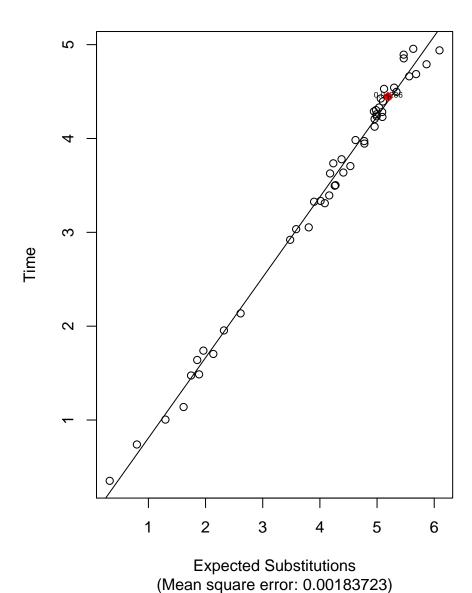
u7 t4 1.59505704710215

coal: Simulated-no.17 (Remove 1)

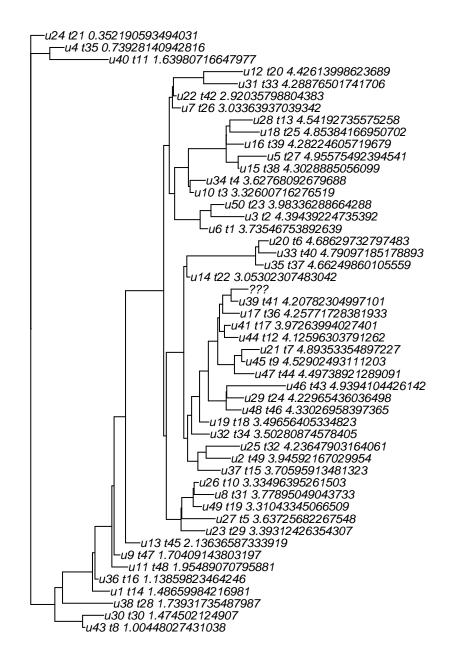
Time vs Distance

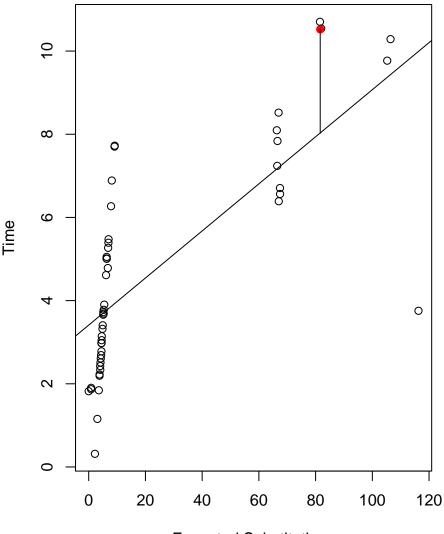


u12 t40 0.194655493379726 u33 t15 1.29106679080949 u37 t28 0.0453844128157167 ıu50 t12 2.32809430759655 ги25 t44 5.10418898910309 -u44 t39 5.37257332267458 ^Lu38 t32 5.14834462135719 _I-u43 t20 4.33172198847842 ^Lu40 t34 4.20487433889952 u46 t19 3.2307794093563 └u15 t10 3.69771537727352 u2 t6 2.32134470137091 ги45 t38 4.81567610526118 ¶u10 t18 4.34699118285948 ^Lu1 t13 4.25743071600948 ^Lu7 t11 3.79784392768684 ^lu28 t8 3.30158240968945 ru19 t14 4.90038851754938 u27 t5 4.32230099482979 lu4 t49 4.46540770042145 -u3 t48 5.28394229374986 lu36 t45 4.11616438278212 _u8 t31 5.3877385913298 ru17 t21 4.61431601900806 -u48 t23 5.20204840217013 u42 t42 4.90815078739284 u11 t16 5.00235200896853 ıu14 t24 5.03599576220422 ^lu21 t26 5.14491708093388 u35 t4 4.80981248813696 Lu41 t36 5.10691864618009 lu16 t22 3.89949685263842 ₁u31 t9 3.7922238421357 ^Lu47 t7 4.06890721840226 ^Lu9 t3 3.23332676222572 ru32 t2 5.1583119801019 ∟u34 t25 5.39578410034042 u29 t50 4.48187460475385 u49 t46 4.40433855245625 u26 t47 4.23138136125226 ¹u24 t30 4.23820536971162 iu23 t43 4.45169757173545 ¹u22 t17 4.58567138193237 ^lu13 t27 3.80137885099444 ^Lu18 t29 3.62375405282046 u30 t35 2.99048452021521 -u20 t41 3.53139738993221 ^lu39 t37 2.61555881271202 ^Lu6 t33 3.88293270107088



coal: Simulated-no.18 (Remove 1)





Expected Substitutions (Mean square error: 6.19674)

coal: Simulated-no.19 (Remove 1)

```
u22 t28 1.82123928205802
ги38 t32 1.1557012540511
u50 t6 0.316891375980318
<sub>Γ</sub>u7 t46 2.97726191531444
u5 t22 1.84472475845113
 u12 t42 2.51243771681671
 u24 t50 2.33646147283562
u36 t7 2.68959034269093
 u19 t26 2.61033022269997
 u39 t29 3.04831602760699
 u33 t40 3.14304367098538
 u29 t16 3.66200639319232
 u30 t13 3.40711217482703
 u1 t14 5.05114357448663
 u42 t27 5.01355784254163
 u47 t49 5.00507142619696
 u21 t31 3.72450948333483
                               <sub>[</sub>u18 t37 10.5425161397227
                               u45 t44 10.7036966930776
                                        ıu13 t8 9.76970175274894
                                        <sup>1</sup>u10 t48 10.2870419976608
   <sub>1</sub>u17 t35 7.70322778267999
   u35 t34 7.72517793126928
   u25 t11 6.88800618059105
   u32 t20 6.26965683919607
   u31 t4 5.26968715858228
   u9 t47 5.4761912376663
   u46 t2 5.39192196632032
  u27 t39 4.61323677279436
  <sup>l</sup>u11 t43 3.90295459101509
 u43 t19 2.97948468047393
  u16 t45 3.77923890612202
 u6 t3 3.32194562549671
 ru8 t17 4.78341685162023
 <sup>1</sup>u44 t10 3.68791684313906
 u20 t15 2.1940135275301
 u3 t33 2.42625986111623
 u15 t36 2.78106994154805
 u26 t18 2.22470608452858
                                            -u49 t21 3.75547514651112
                          u28 t30 8.52010420386884
                         u40 t12 8.09584789633241
                          <sub>1</sub>u2 t38 6.70761711621011
                         u41 t25 6.56301084241712
                         u37 t9 6.38890203878924
                         u23 t24 7.24077316601634
                         <sup>l</sup>u14 t5 7.83843678512143
u48 t23 1.86926964152892
<sup>1</sup>u4 t41 1.90335701546382
```

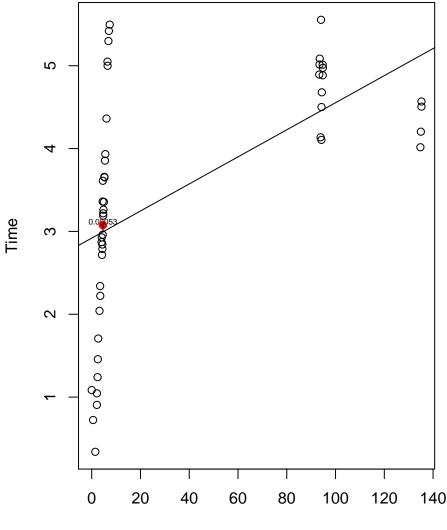
coal: Simulated-no.20 (Remove 1)

u31 t36 1.0852033083708 u30 t10 0.723581283603678 u11 t11 0.339728130312128

u13 t1 0.90591489255101

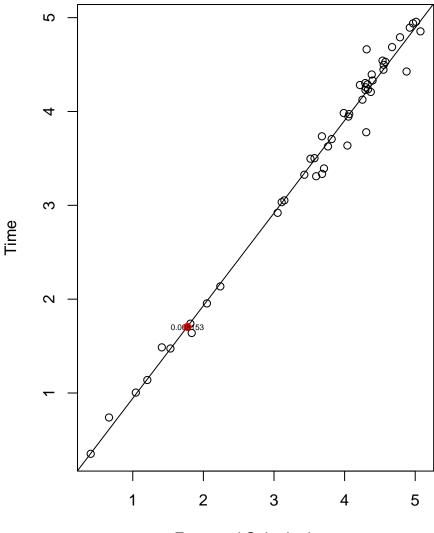
^Lu4 t32 1.24114548256182

Time vs Distance



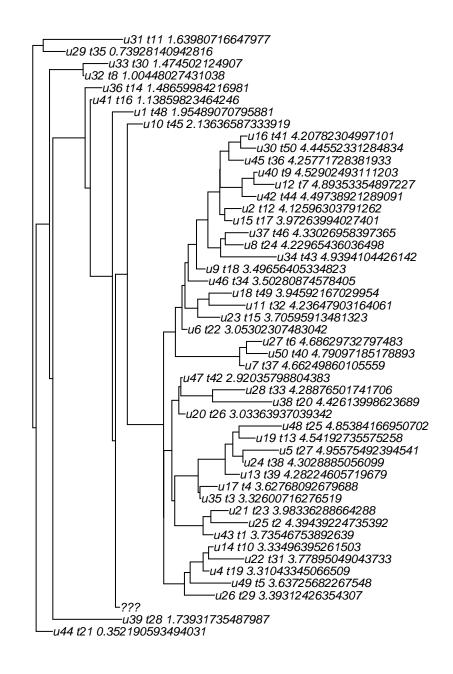
Expected Substitutions (Mean square error: 0.00648453)

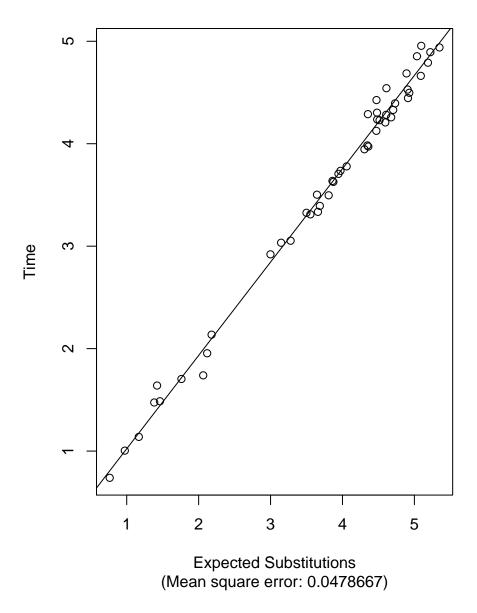
```
ru39 t26 2.34097069742324
u3 t28 1.04558246623958
 ·u5 t22 2.22194939746573
u42 t25 1.45757494391226
u1 t13 2.04120682621204
 ıu48 t6 2.96105186702752
 u8 t3 3.21892334410841
 u33 t47 3.65924761519539
 u25 t44 3.07588498107007
 u50 t29 2.84200467872162
 u18 t5 2.71681141568655
 ıu37 t31 3.26199509440355
 u24 t20 3.18988648364878
 u6 t41 2.78895490363107
 <sub>F</sub>u22 t40 4.99962130610321
 u40 t34 3.85442836819458
  u45 t15 3.93328768010973
 u20 t27 4.36282934843918
  <sub>1</sub>u10 t16 5.42071576635052
  u21 t2 5.29831631414537
  u34 t9 5.04969531504399
 <sup>L</sup>u7 t12 5.49622097922922
 u28 t7 3.65244117881958
 ·u36 t43 3.35598950371373
 u2 t14 2.92837335264961
u16 t48 1.70727327223822
ıu43 t50 3.3606334975575
u46 t4 3.61125417231769
u19 t35 2.87097807601615
                                           ru38 t18 4.56843987009799
                                           u9 t49 4.01631346410753
                                           u14 t19 4.50633754513033
                                           <sup>l</sup>u49 t46 4.20401574089504
                              <sub>r</sub>u47 t45 4.97509342526189
                              u35 t8 4.5016544291516
                              u27 t33 5.01223021939249
                              u41 t38 4.88468930858601
                              u29 t42 4.67946608331333
                              u32 t39 4.13615590124243
                              lu12 t23 4.10511951963801
                              u17 t37 5.08597008263068
                              u44 t30 5.01528299001829
                              u26 t21 5.5545085078039
                              u15 t17 4.89317367486604
```



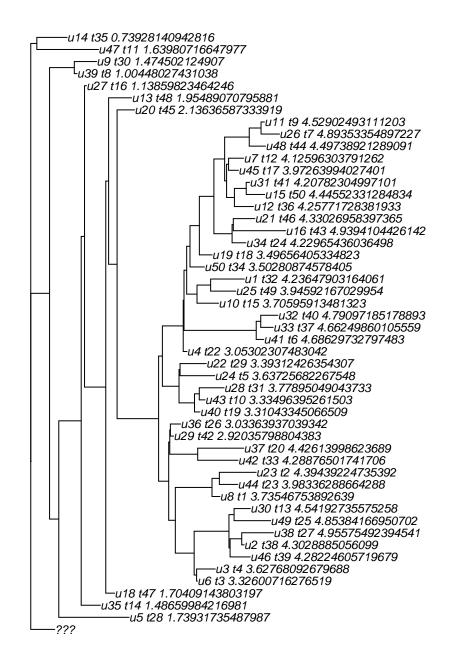
Expected Substitutions (Mean square error: 9.93882e-06)

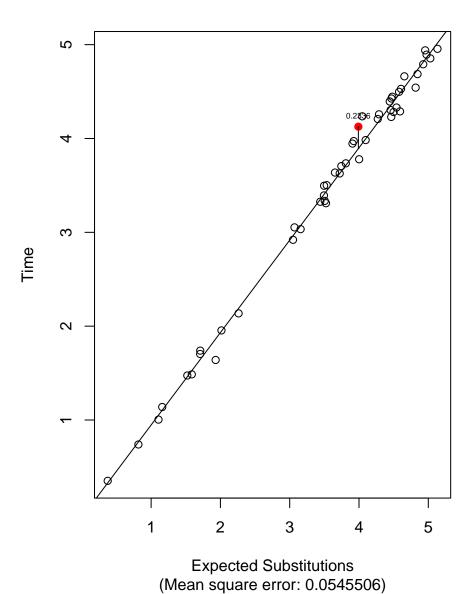
coal: Simulated-no.21 (Remove 1)



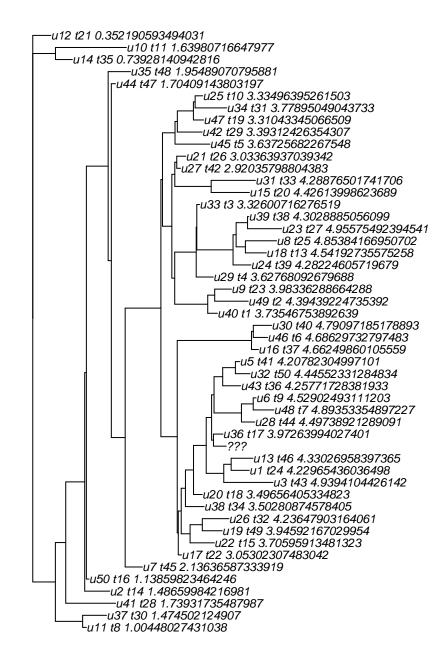


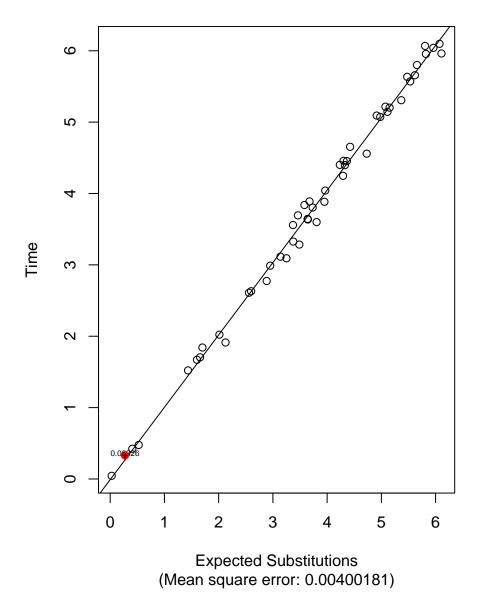
coal: Simulated-no.22 (Remove 1)



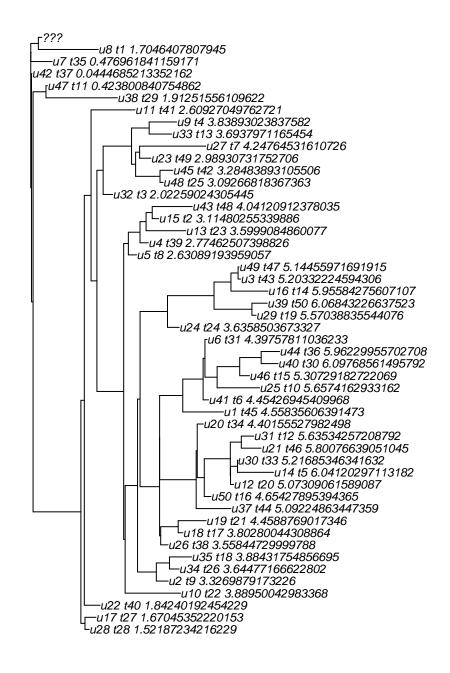


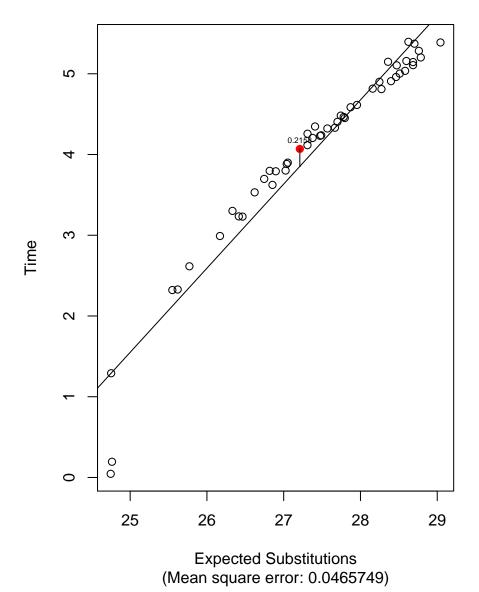
coal: Simulated-no.23 (Remove 1)



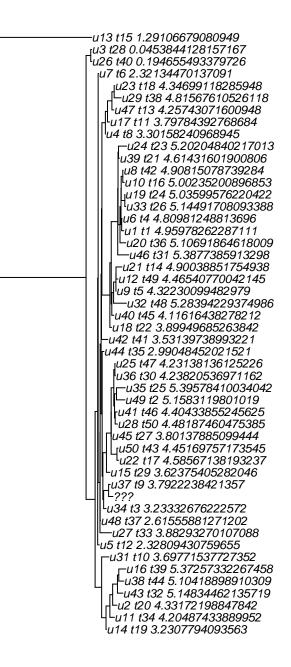


coal: Simulated-no.24 (Remove 1)



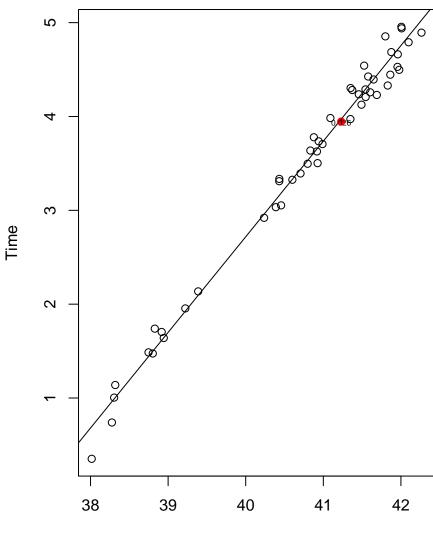


coal: Simulated-no.25 (Remove 1)



coal: Simulated-no.26 (Remove 1)

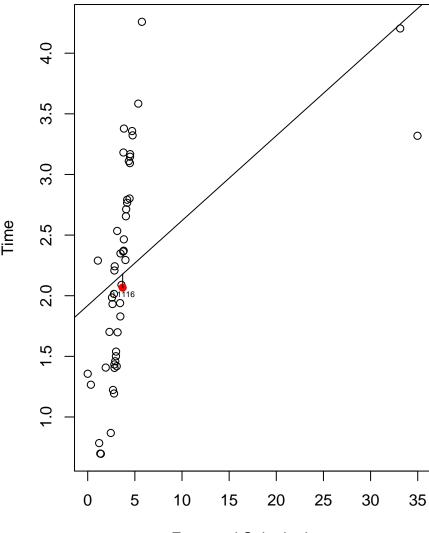
Time vs Distance



Expected Substitutions (Mean square error: 0.00067586)

·u23 t11 1.63980716647977 ги6 t21 0.352190593494031 Lu30 t35 0.73928140942816 ги39 t14 1.48659984216981 tu38 t22 3.05302307483042 _Lu27 t12 4.12596303791262 u44 t17 3.97263994027401 ıu20 t9 4.52902493111203 **I**lu5 t7 4.89353354897227 ^Lu1 t44 4.49738921289091 u32 t41 4.20782304997101 **L**u45 t50 4.44552331284834 ^Lu2 t36 4.25771728381933 ги24 t46 4.33026958397365 -u18 t24 4.22965436036498 └u13 t43 4.9394104426142 u42 t18 3.49656405334823 -u37 t34 3.50280874578405 ги10 t32 4.23647903164061 ^Lu3 t15 3.70595913481323 _Iu11 t37 4.66249860105559 -u19 t40 4.79097185178893 ^Lu16 t6 4.68629732797483 _Ги33 t33 4.28876501741706 ¹u31 t20 4.42613998623689 u43 t42 2.92035798804383 ·u25 t26 3.03363937039342 ıu29 t23 3.98336288664288 Lu34 t2 4.39439224735392 ^lu7 t1 3.73546753892639 ru47 t4 3.62768092679688 u36 t3 3.32600716276519 ги26 t13 4.54192735575258 -u14 t25 4.85384166950702 ru35 t27 4.95575492394541 u15 t38 4.3028885056099 ^Lu17 t39 4.28224605719679 ги40 t29 3.39312426354307 -u21 t5 3.63725682267548 ru8 t31 3.77895049043733 u9 t10 3.33496395261503 ^lu46 t19 3.31043345066509 ^Lu41 t45 2.13636587333919 u28 t47 1.70409143803197 ^Lu50 t48 1.95489070795881 u4 t16 1.13859823464246 −u22 t28 1.73931735487987 _ги12 t30 1.474502124907

⁷u48 t8 1.00448027431038



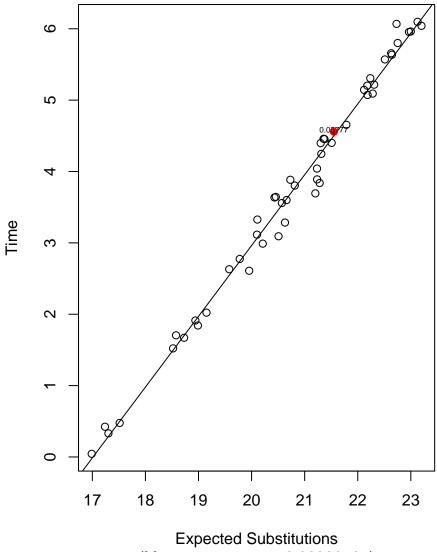
Expected Substitutions (Mean square error: 0.012462)

coal: Simulated-no.27 (Remove 1)

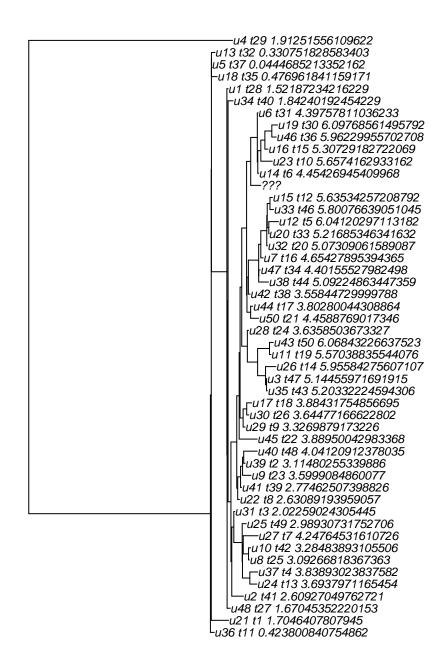
```
<sub>1</sub>u18 t11 1.35664025734764
u42 t8 2.28978984703418
   ıu28 t19 2.53434804789384
    -u20 t4 3.18115604693006
   -u11 t48 3.37854618928419
   u37 t17 2.24260922896442
   u24 t21 2.20823785092076
   <sup>L</sup>u39 t29 1.98502006106293
  └u3 t33 2.01508631081401
 <sup>L</sup>u4 t31 0.69638959413981
  Ju30 t14 1.40757797638705
  -u21 t42 1.70180317122294
  -u2 t27 1.93161098718769
 <sup>l</sup>u8 t13 0.698330841023159
   <sup>1</sup>u48 t26 2.34862129525803
   ·u46 t38 0.868189755854378
   -u47 t25 1.22306308945292
                                             -u7 t18 4.20418933339617
   ru22 t34 1.41863368751755
                                               -u16 t6 3.31909519137299
   ru26 t5 2.0893549029927
     Ju45 t47 3.09350143819102
     <sup>[</sup>u17 t39 3.14655622231428
     u32 t46 2.76622820786469
     <sup>1</sup>u38 t24 2.79158519809039
     -u14 t2 3.32255221638662
     ıu13 t16 3.35809779177486
     Lu25 t23 4.25896365613445
     <sup>l</sup>u15 t50 3.11052863552971
    <sup>1</sup>u50 t28 2.46521887911982
    -u40 t36 1.82937149321879
   u41 t3 1.19381333983421
   -u6 t32 1.53931131221032
   <sup>L</sup>u1 t9 1.50111173491389
   -u36 t41 1.40473032593404
   ıu35 t1 1.6985424101257
    ги34 t35 2.65504905247909
    -u33 t44 3.16758361329
    -u44 t7 2.71313322950564
    <sup>l</sup>u12 t30 2.36417084781936
    u5 t45 1.93916571669755
     -u43 t49 2.29465795629873
     ∟u31 t15 3.58424888699401
   <sup>l</sup>u9 t20 2.37133863837502
   <sub>Г</sub>и29 t22 1.46009663183671
   <sup>1</sup>u27 t43 1.43321261326704
 <sup>L</sup>u10 t12 0.784723473225353
lu23 t40 1.26609501264997
```

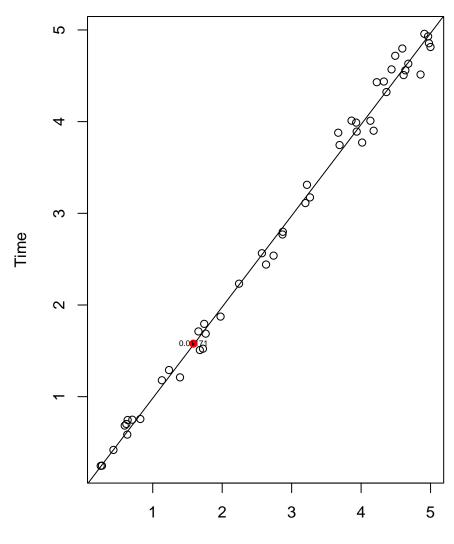
coal: Simulated-no.28 (Remove 1)

Time vs Distance



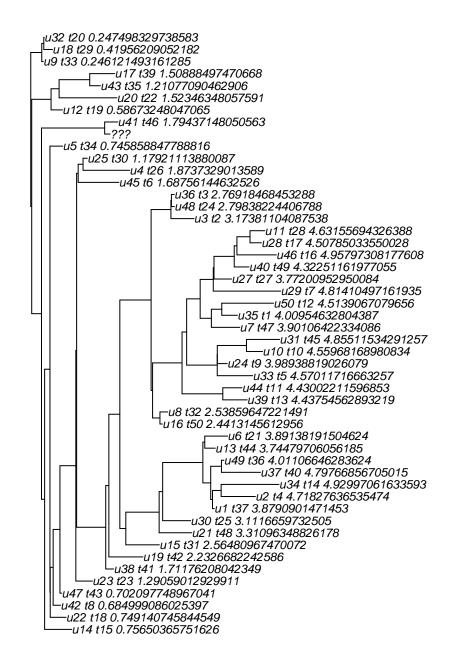
(Mean square error: 0.00333707)





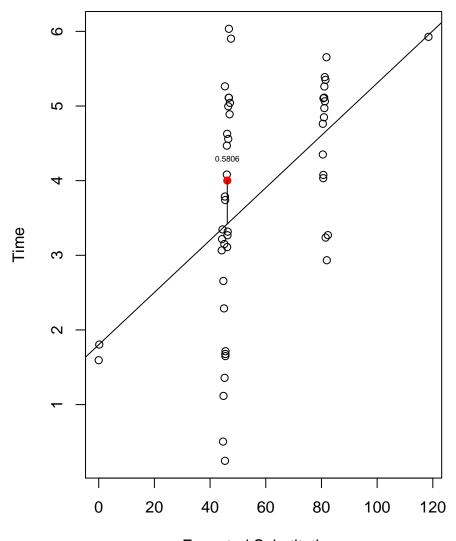
Expected Substitutions (Mean square error: 0.000137164)

coal: Simulated-no.29 (Remove 1)



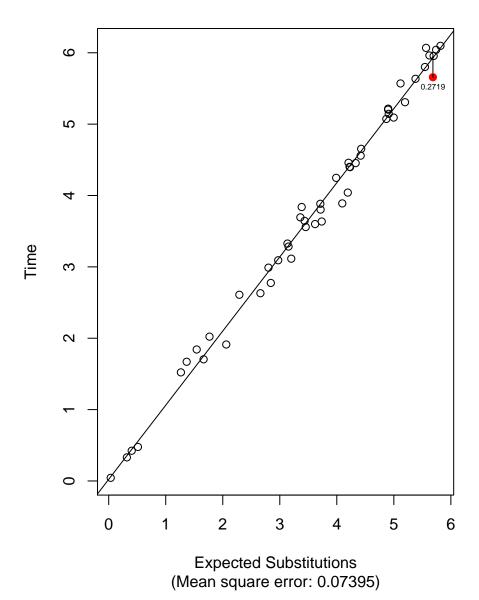
coal: Simulated-no.30 (Remove 1)

Time vs Distance

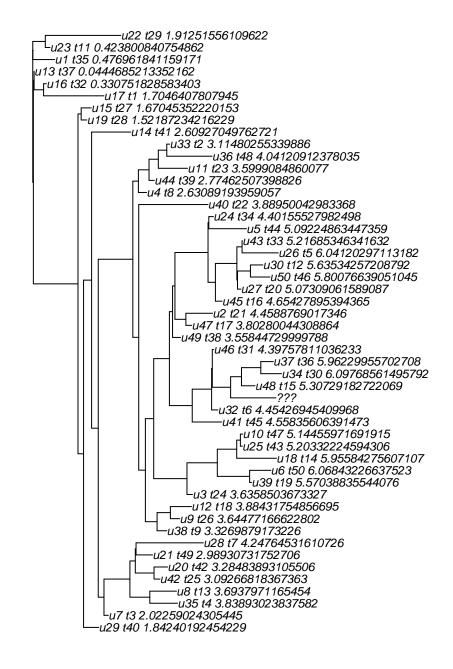


Expected Substitutions (Mean square error: 0.337066)

```
ıu32 t4 1.59505704710215
                ıu49 t27 3.3468699647419
                ru9 t18 4.55909574127469
                u28 t42 4.08157634435274
                u46 t16 3.15133472195007
                 u10 t20 3.74066126584952
                 u45 t36 4.46882760029119
                 <sup>l</sup>u4 t2 4.99624621950288
                 ги27 t43 5.90255001356291
                u39 t24 5.11082267417832
                -u34 t48 5.11010806912915
                u15 t47 4.6272721465264
                u24 t44 3.78759653254036
                u16 t22 4.8890616799568
                u7 t45 5.04218603762866
                u6 t5 3.21728300940178
                u22 t41 3.06644497319744
                ru25 t40 6.03432433708552
                u38 t50 5.26387276556186
                             ru43 t23 5.11242646737594
                                           -u40 t13 5.92686633047346
                              u31 t1 5.38725804177856
                             u42 t14 5.26168490194517
                              u26 t9 4.76180431948211
                             u37 t37 5.10410733461273
                              <sub>l</sub>u50 t17 2.93389670614059
                              lu12 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
                              -u5 t11 5.35046918322249
                             lu36 t34 4.35065774493989
                <sub>L</sub>u29 t31 2.65617643872884
                u18 t30 0.504486941575644
                u2 t32 0.247080521075986
                u21 t49 1.64974147715017
                u47 t25 1.67775675988153
                u8 t3 1.35870214610097
                u19 t46 1.71523498289066
                u17 t19 1.11627060278374
                <sub>1</sub>u3 t10 3.26859213725814
                u23 t15 3.11039064651279
                <sup>l</sup>u44 t35 3.31723174080989
                lu33 t26 2.28875540527007
u48 t33 1.80472390478921
```

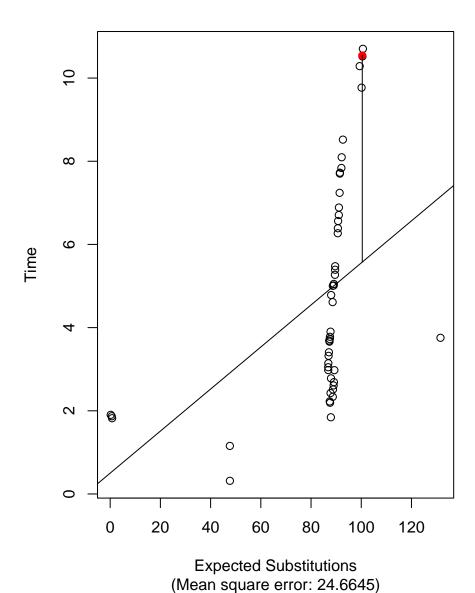


coal: Simulated-no.31 (Remove 1)

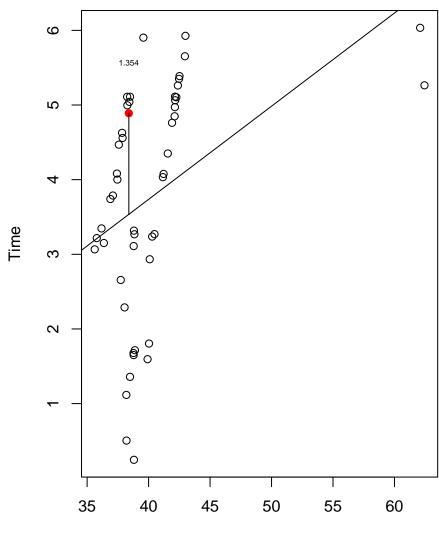


coal: Simulated-no.32 (Remove 1)

Time vs Distance



u45 t41 1.90335701546382 u3 t28 1.82123928205802 u43 t23 1.86926964152892 ıu47 t27 5.01355784254163 u34 t14 5.05114357448663 u13 t49 5.00507142619696 u33 t31 3.72450948333483 u31 t43 3.90295459101509 u10 t39 4.61323677279436 ru29 t20 6.26965683919607 u26 t4 5.26968715858228 u1 t47 5.4761912376663 u46 t2 5.39192196632032 ₁u2 t34 7.72517793126928 u36 t35 7.70322778267999 u9 t11 6.88800618059105 ıu41 t9 6.38890203878924 u8 t38 6.70761711621011 ıu25 t12 8.09584789633241 u44 t30 8.52010420386884 ₩u18 t5 7.83843678512143 u30 t24 7.24077316601634 ^lu17 t25 6.56301084241712 u39 t16 3.66200639319232 u48 t13 3.40711217482703 u5 t40 3.14304367098538 u6 t29 3.04831602760699 u35 t19 2.97948468047393 u20 t10 3.68791684313906 u21 t45 3.77923890612202 u49 t3 3.32194562549671 ıu42 t44 10.7036966930776 u4 t1 10.5204530050784 ^lu50 t8 9.76970175274894 ¹u40 t48 10.2870419976608 -u38 t17 4.78341685162023 ·u23 t21 3.75547514651112 u24 t18 2.22470608452858 u22 t15 2.1940135275301 ıu11 t42 2.51243771681671 u15 t50 2.33646147283562 u14 t7 2.68959034269093 u12 t26 2.61033022269997 u27 t46 2.97726191531444 u7 t22 1.84472475845113 u16 t33 2.42625986111623 ¹u37 t36 2.78106994154805 u19 t32 1.1557012540511 ^Lu28 t6 0.316891375980318



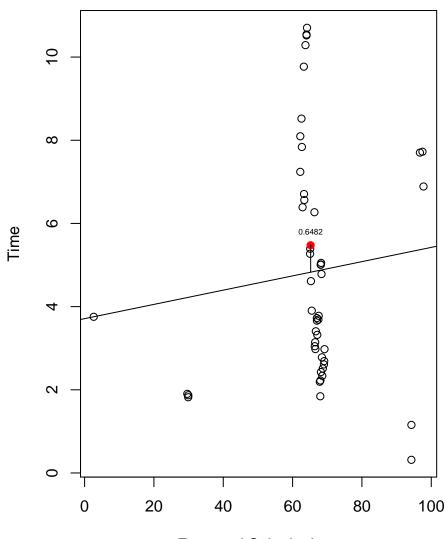
Expected Substitutions (Mean square error: 1.83269)

coal: Simulated-no.33 (Remove 1)

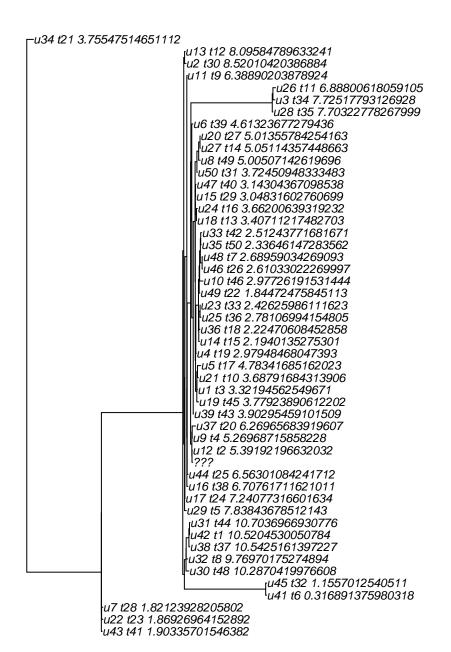
```
-u50 t40 6.03432433708552
                     -u7 t50 5.26387276556186
 ru29 t31 2.65617643872884
  ru43 t10 3.26859213725814
 Ju27 t15 3.11039064651279
  <sup>L</sup>u37 t35 3.31723174080989
 <sup>L</sup>u23 t26 2.28875540527007
  _u35 t4 1.59505704710215
  ∏u6 t33 1.80472390478921
 lu15 t32 0.247080521075986
 u1 t30 0.504486941575644
 u4 t19 1.11627060278374
    <sub>l</sub>u38 t7 4.03361830010156
    u44 t12 4.07691814633371
    -u46 t29 4.84905050255587
     ·u32 t23 5.11242646737594
     -u31 t13 5.92686633047346
     u22 t1 5.38725804177856
     u24 t14 5.26168490194517
    u39 t9 4.76180431948211
    u18 t37 5.10410733461273
    u20 t34 4.35065774493989
     ги2 t21 5.65364172975515
     <sup>1</sup>u40 t6 5.06364427993512
     -u8 t11 5.35046918322249
     <sup>L</sup>u48 t39 4.97159970185215
    <sup>1</sup>u21 t28 3.23766242680217
   u49 t17 2.93389670614059
   <sup>1</sup>u41 t8 3.27027477143896
  u30 t25 1.67775675988153
 u42 t49 1.64974147715017
  u34 t3 1.35870214610097
  <sup>L</sup>u33 t46 1.71523498289066
 Ли3 t45 5.04218603762866
 <sup>l</sup>u13 t38 4.00116129210536
 <sub>-</sub>u17 t18 4.55909574127469
 <sup>T</sup>u36 t42 4.08157634435274
 u25 t16 3.15133472195007
 <sub>L</sub>u9 t2 4.99624621950288
 u47 t36 4.46882760029119
 ru16 t48 5.11010806912915
 <sub>1</sub>u14 t24 5.11082267417832
 <sup>∟</sup>u45 t43 5.90255001356291
 <sup>L</sup>u26 t47 4.6272721465264
 u12 t20 3.74066126584952
 <sup>L</sup>u19 t44 3.78759653254036
u28 t41 3.06644497319744
u11 t5 3.21728300940178
<sup>L</sup>u10 t27 3.3468699647419
```

coal: Simulated-no.34 (Remove 1)

Time vs Distance

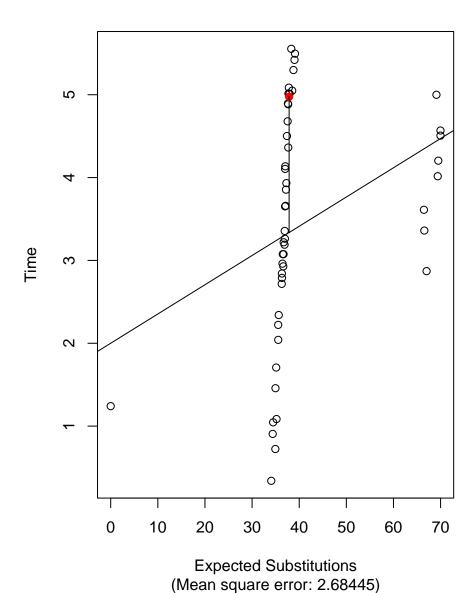


Expected Substitutions (Mean square error: 0.420138)



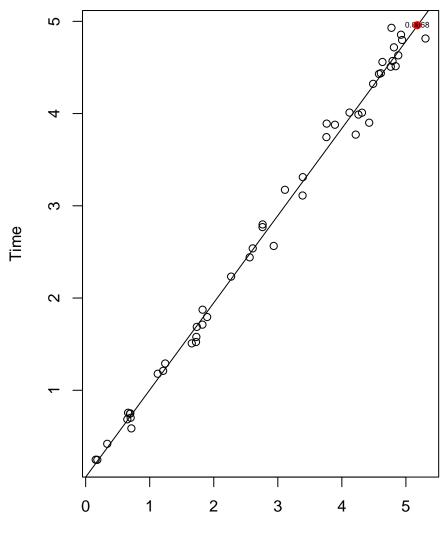
coal: Simulated-no.35 (Remove 1)

Time vs Distance



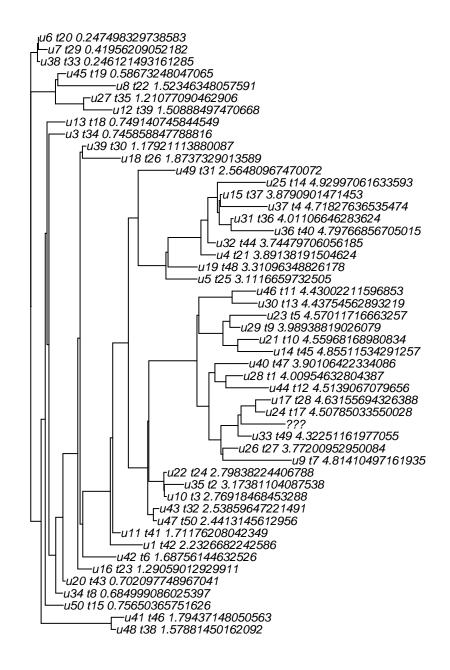
ıu8 t32 1.24114548256182 u11 t10 0.723581283603678 ^[]u13 t36 1.0852033083708 u35 t11 0.339728130312128 _ru28 t28 1.04558246623958 -u32 t26 2.34097069742324 ru49 t22 2.22194939746573 ги9 t23 4.10511951963801 u27 t39 4.13615590124243 u7 t38 4.88468930858601 -u15 t33 5.01223021939249 u45 t8 4.5016544291516 u6 t42 4.67946608331333 ru42 t37 5.08597008263068 u48 t30 5.01528299001829 낙u24 t21 5.5545085078039 u37 t17 4.89317367486604 ·u25 t25 1.45757494391226 _Iu41 t5 2.71681141568655 u38 t6 2.96105186702752 u31 t47 3.65924761519539 u23 t3 3.21892334410841 u22 t44 3.07588498107007 u50 t29 2.84200467872162 ru3 t43 3.35598950371373 ₁u47 t15 3.93328768010973 u29 t34 3.85442836819458 ru16 t9 5.04969531504399 **⊩**u33 t12 5.49622097922922 լս26 t16 5.42071576635052 ¹u46 t2 5.29831631414537 u1 t27 4.36282934843918 ^lu44 t7 3.65244117881958 lu12 t31 3.26199509440355 u18 t20 3.18988648364878 u2 t41 2.78895490363107 ^Lu19 t24 3.07555186401669 -u21 t40 4.99962130610321 -u34 t14 2.92837335264961 ги20 t18 4.56843987009799 u17 t49 4.01631346410753 -u4 t46 4.20401574089504 Lu5 t19 4.50633754513033 ru43 t35 2.87097807601615 u10 t50 3.3606334975575 ^lu30 t4 3.61125417231769 -u39 t13 2.04120682621204 ^Lu14 t48 1.70727327223822

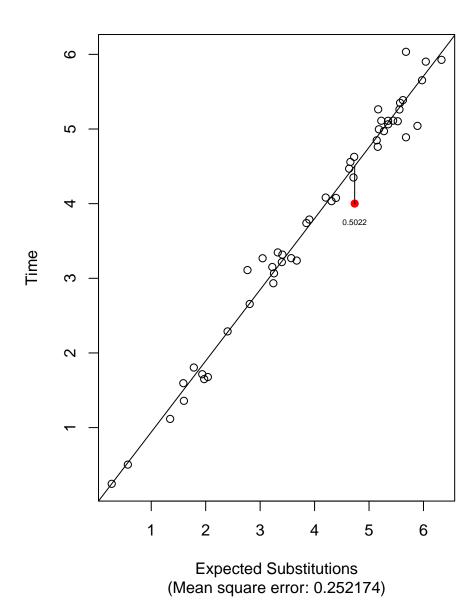
^lu36 t1 0.90591489255101



Expected Substitutions (Mean square error: 4.62462e-05)

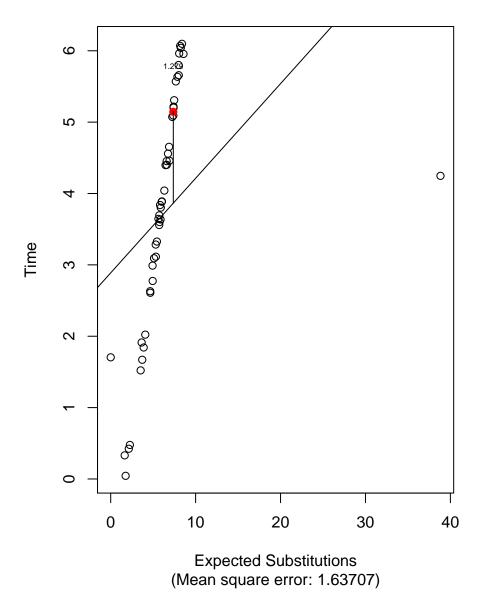
coal: Simulated-no.36 (Remove 1)





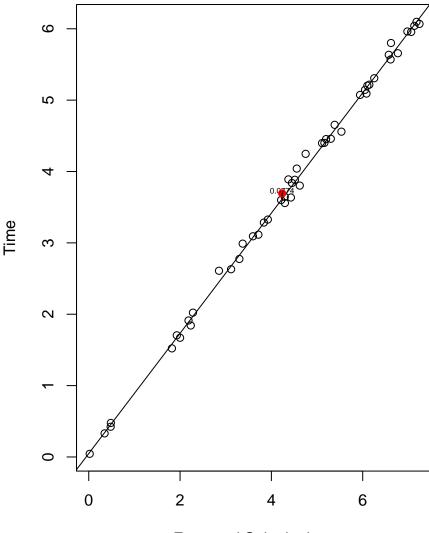
coal: Simulated-no.37 (Remove 1)





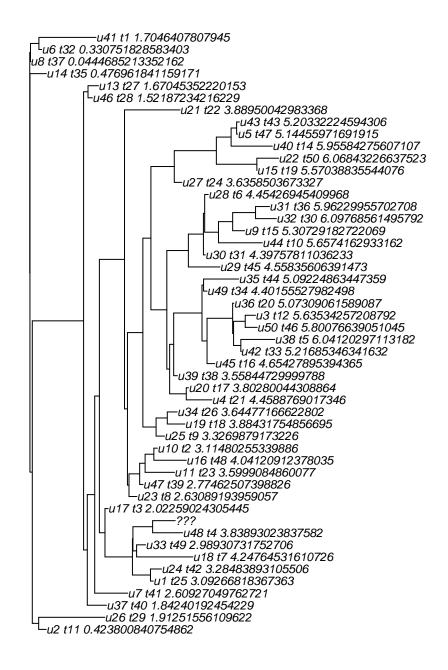
coal: Simulated-no.38 (Remove 1)

```
<sub>1</sub>u15 t1 1.7046407807945
 <sub>1</sub>u50 t32 0.330751828583403
 ru1 t35 0.476961841159171
 u10 t37 0.0444685213352162
 -u42 t11 0.423800840754862
   <sub>L</sub>u25 t27 1.67045352220153
    u44 t28 1.52187234216229
     ги5 t13 3.6937971165454
      <sup>L</sup>u29 t4 3.83893023837582
     -u41 t49 2.98930731752706
     <sub>г</sub>и46 t42 3.28483893105506
     <sup>1</sup>u17 t25 3.09266818367363
    u19 t3 2.02259024305445
     -u34 t41 2.60927049762721
      ∟u40 t21 4.4588769017346
      u35 t17 3.80280044308864
        ıu24 t33 5.21685346341632
        -u20 t5 6.04120297113182
         ru7 t12 5.63534257208792
         <sup>L</sup>u28 t46 5.80076639051045
        <sup>l</sup>u45 t20 5.07309061589087
        u39 t16 4.65427895394365
       lu36 t34 4.40155527982498
        <sup>∟</sup>u49 t44 5.09224863447359
     u21 t38 3.55844729999788
       ıu37 t31 4.39757811036233
       u48 t6 4.45426945409968
         ги31 t36 5.96229955702708
        Lu33 t30 6.09768561495792
      ነዛu4 t15 5.30729182722069
        └u26 t10 5.6574162933162
      Lu14 t45 4.55835606391473
      ıu2 t24 3.6358503673327
         u13 t14 5.95584275607107
       <sup>l</sup>u22 t43 5.20332224594306
        ∟u23 t50 6.06843226637523
         <sup>7</sup>u32 t19 5.57038835544076
      ги3 t18 3.88431754856695
      <sup>l</sup>u11 t26 3.64477166622802
     <sup>L</sup>u27 t9 3.3269879173226
      ги43 t22 3.88950042983368
                                                -u12 t7 4.24764531610726
      ıu6 t2 3.11480255339886
      └u16 t48 4.04120912378035
     -u47 t23 3.5999084860077
     <sup>l</sup>u38 t39 2.77462507398826
     <sup>l</sup>u8 t8 2.63089193959057
    <sup>L</sup>u18 t40 1.84240192454229
    -u30 t29 1.91251556109622
```



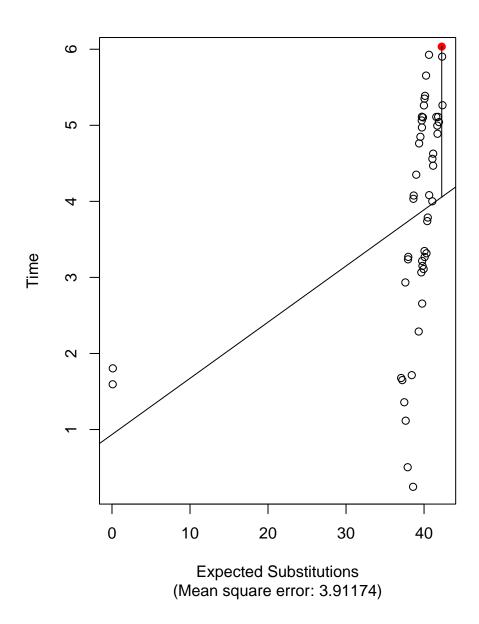
Expected Substitutions (Mean square error: 0.00599116)

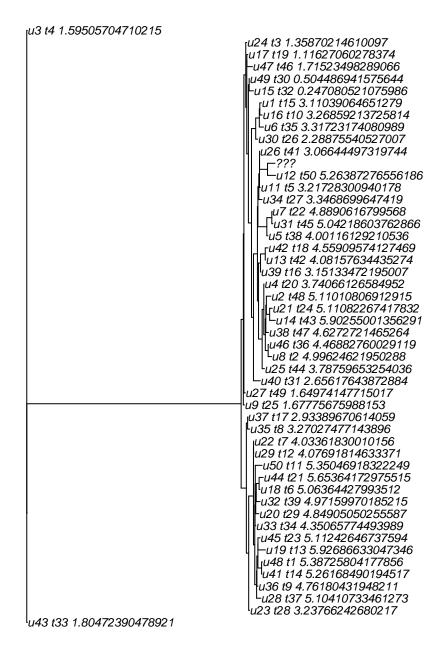
coal: Simulated-no.39 (Remove 1)

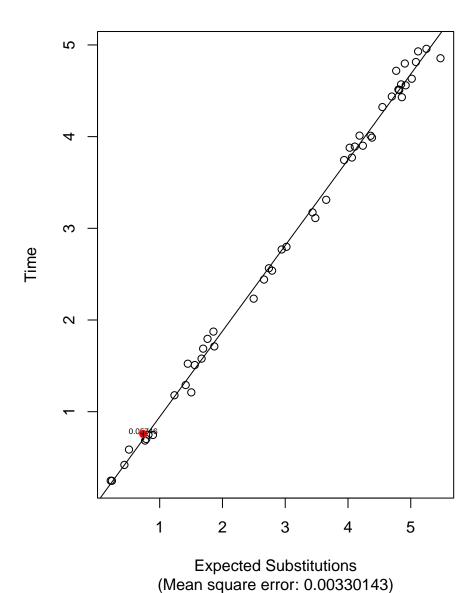


coal: Simulated-no.40 (Remove 1)

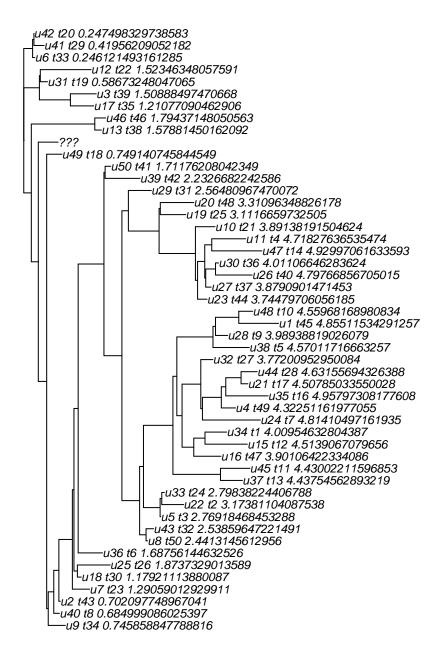
Time vs Distance

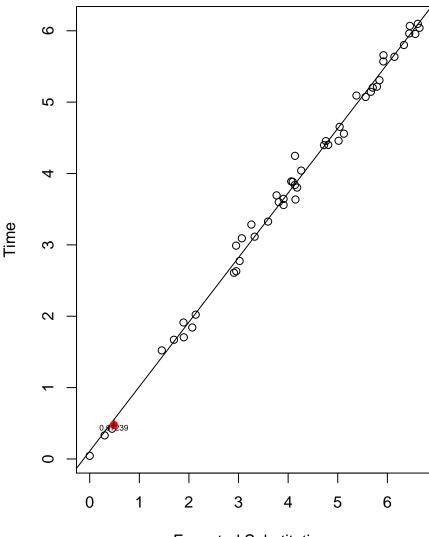






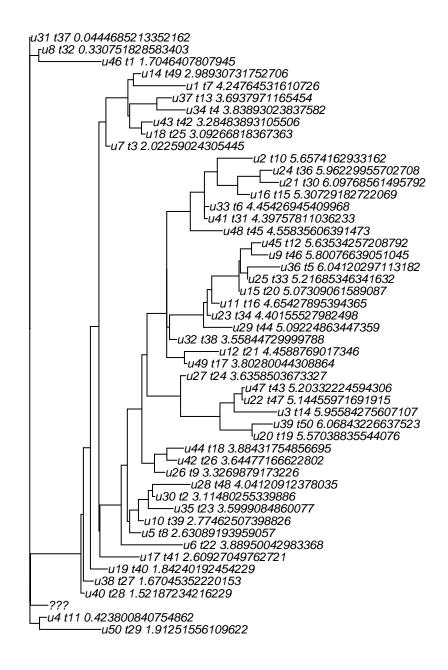
coal: Simulated-no.41 (Remove 1)

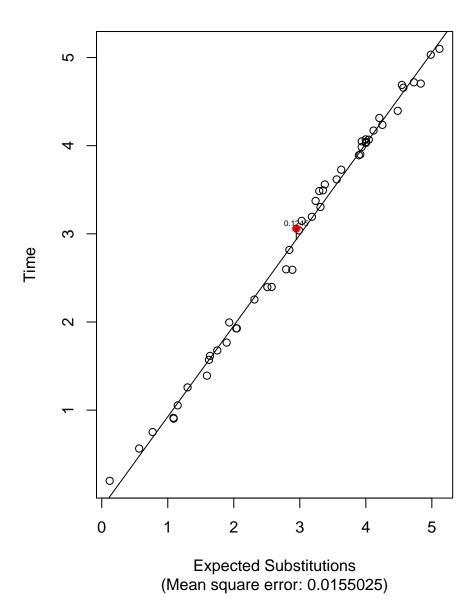




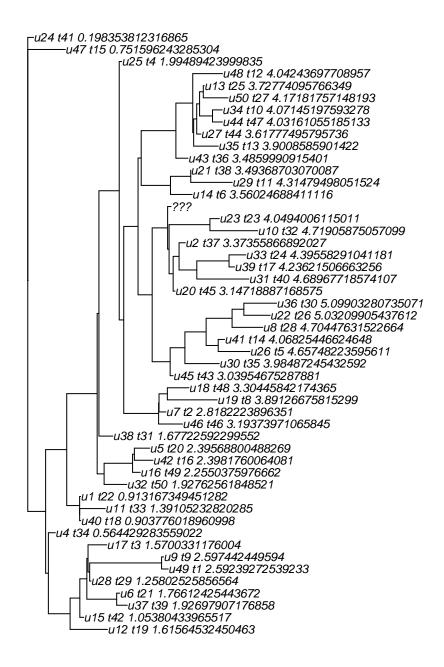
Expected Substitutions (Mean square error: 0.00524014)

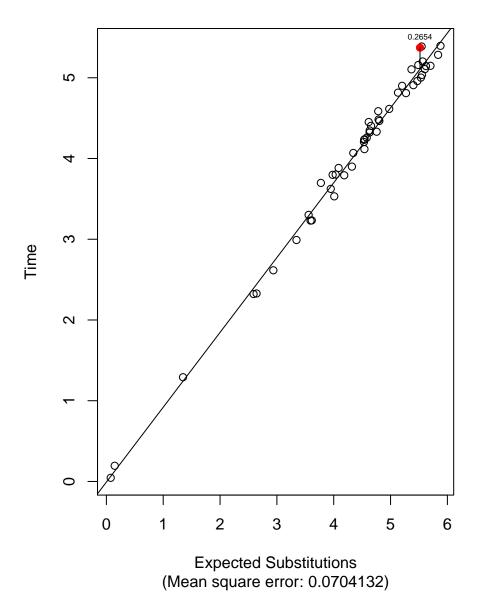
coal: Simulated-no.42 (Remove 1)



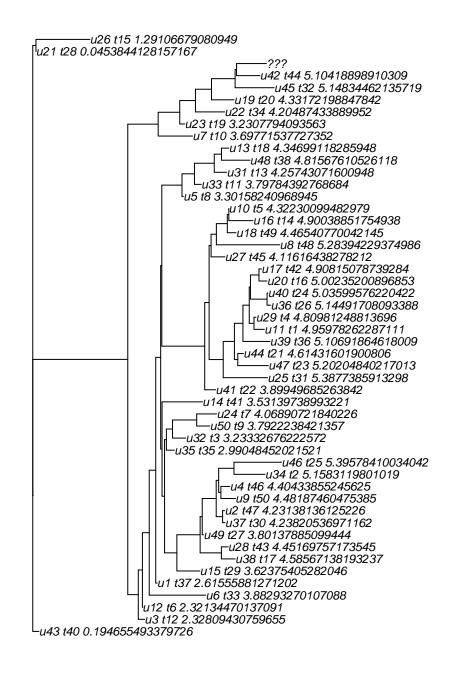


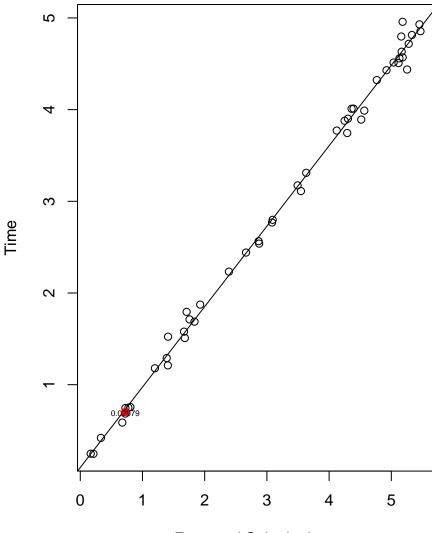
coal: Simulated-no.43 (Remove 1)





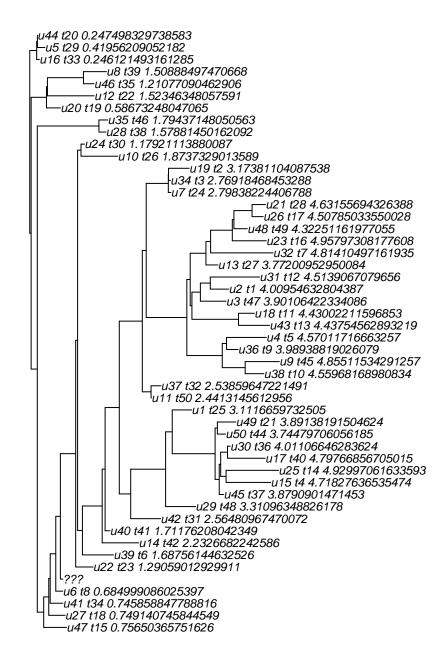
coal: Simulated-no.44 (Remove 1)

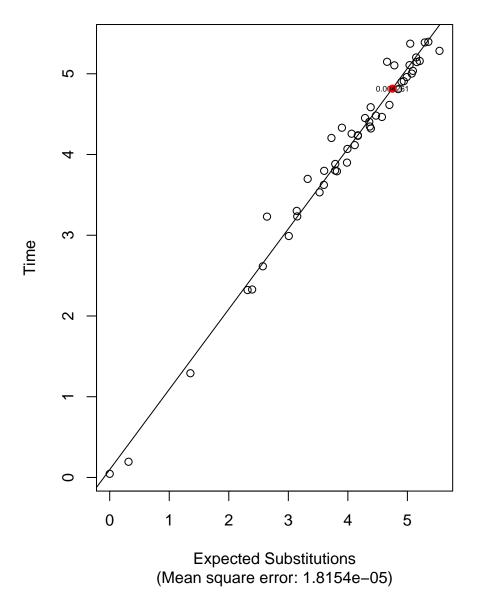




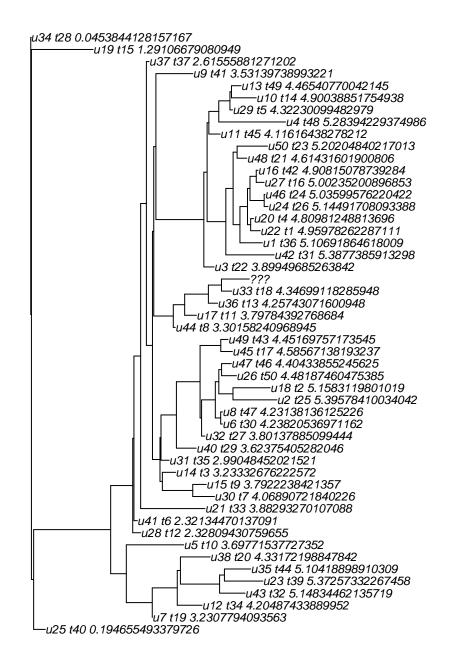
Expected Substitutions (Mean square error: 0.000887506)

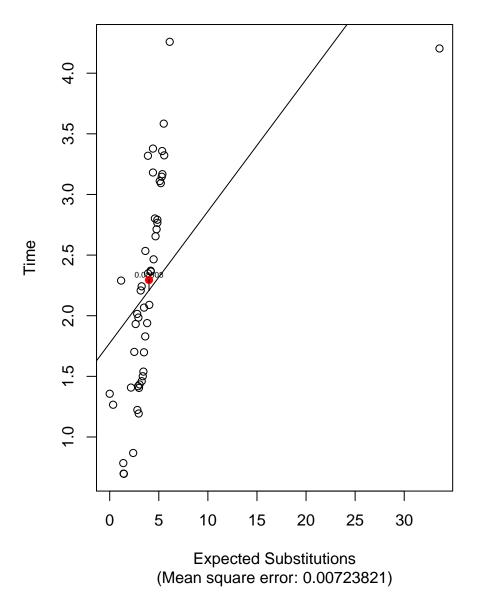
coal: Simulated-no.45 (Remove 1)





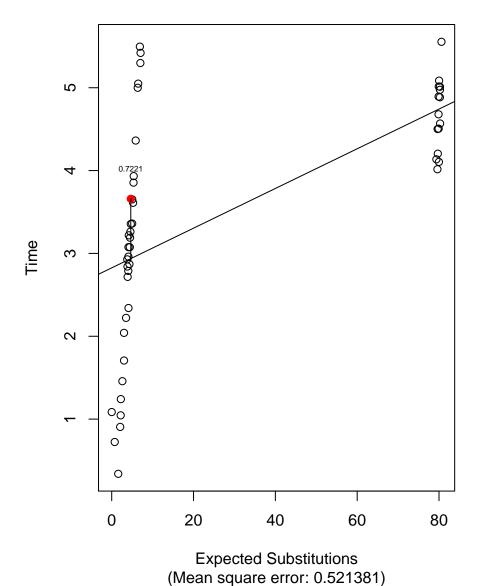
coal: Simulated-no.46 (Remove 1)



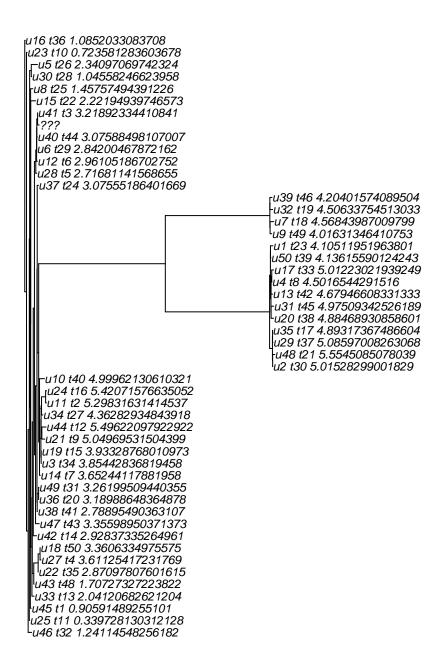


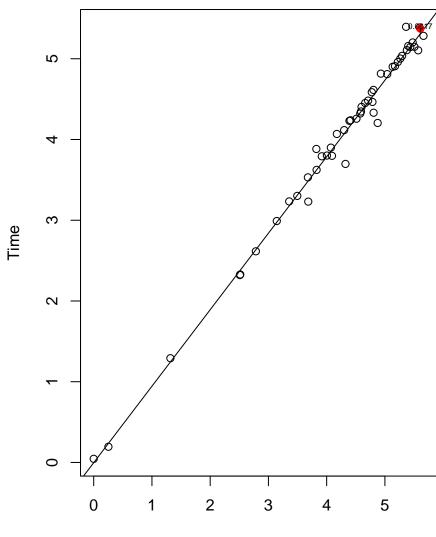
coal: Simulated-no.47 (Remove 1)

```
<sub>1</sub>u29 t11 1.35664025734764
–u43 t8 2.28978984703418
    ıu23 t19 2.53434804789384
    Lu3 t4 3.18115604693006
    -u44 t48 3.37854618928419
    u20 t17 2.24260922896442
   <sup>1</sup>u11 t21 2.20823785092076
   <sup>L</sup>u5 t29 1.98502006106293
  -u36 t33 2.01508631081401
                                              -u13 t18 4.20418933339617
  u32 t31 0.69638959413981
  -u1 t6 3.31909519137299
  u24 t14 1.40757797638705
  <sup>L</sup>u49 t42 1.70180317122294
   -u25 t27 1.93161098718769
 lu15 t13 0.698330841023159
   ги19 t10 2.06698405507344
   └u33 t26 2.34862129525803
   u2 t38 0.868189755854378
   -u6 t25 1.22306308945292
   -u12 t34 1.41863368751755
   ru48 t36 1.82937149321879
      ıu31 t24 2.79158519809039
      u47 t46 2.76622820786469
     lu39 t47 3.09350143819102
      <sup>1</sup>u50 t39 3.14655622231428
      ∟u21 t2 3.32255221638662
      ru41 t16 3.35809779177486
      Lu18 t23 4.25896365613445
      <sup>L</sup>u17 t50 3.11052863552971
     <sup>1</sup>u30 t28 2.46521887911982
     -u38 t5 2.0893549029927
    u8 t3 1.19381333983421
    <sub>F</sub>u40 t32 1.53931131221032
    <sup>L</sup>u37 t9 1.50111173491389
   -u27 t41 1.40473032593404
    ru4 t1 1.6985424101257
    -u14 t45 1.93916571669755
     ∟u42 t44 3.16758361329
     ₽u34 t35 2.65504905247909
     Lu28 t7 2.71313322950564
     <sup>l</sup>u35 t30 2.36417084781936
    ru45 t20 2.37133863837502
     ru9 t37 2.801849719136
     ∟u46 t15 3.58424888699401
   ru22 t43 1.43321261326704
   <sup>L</sup>u10 t22 1.46009663183671
 -u26 t12 0.784723473225353
<sup>l</sup>u7 t40 1.26609501264997
```



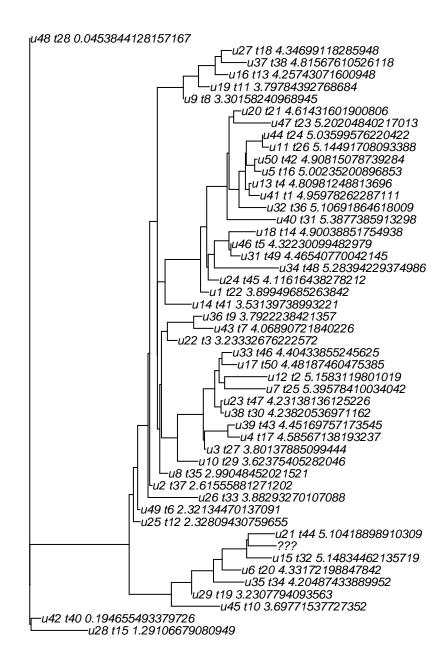
coal: Simulated-no.48 (Remove 1)

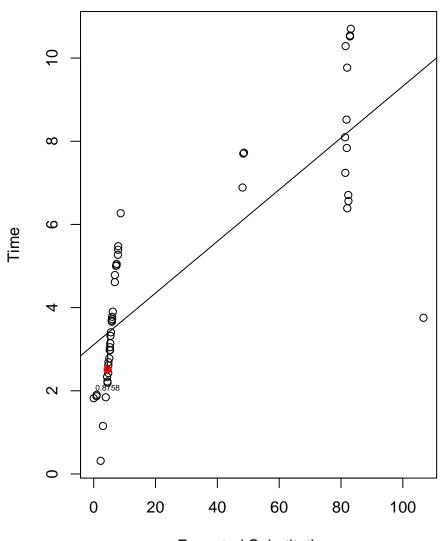




Expected Substitutions (Mean square error: 0.00380651)

coal: Simulated-no.49 (Remove 1)





Expected Substitutions (Mean square error: 0.766979)

coal: Simulated-no.50 (Remove 1)

```
u31 t28 1.82123928205802
u43 t6 0.316891375980318
                     ги20 t34 7.72517793126928
                     u50 t35 7.70322778267999
                                               -u44 t21 3.75547514651112
                     u30 t11 6.88800618059105
  <sub>1</sub>u9 t10 3.68791684313906
  -u15 t17 4.78341685162023
 u49 t3 3.32194562549671
  u34 t45 3.77923890612202
   ju7 t27 5.01355784254163
   u42 t14 5.05114357448663
   ·u22 t49 5.00507142619696
   u2 t31 3.72450948333483
   <sub>l</sub>u27 t2 5.39192196632032
   u13 t47 5.4761912376663
   ru14 t20 6.26965683919607
   <sup>l</sup>u25 t4 5.26968715858228
   u19 t39 4.61323677279436
  l<sub>u</sub>17 t43 3.90295459101509
  u45 t29 3.04831602760699
  u12 t40 3.14304367098538
   u37 t16 3.66200639319232
  u5 t13 3.40711217482703
  u6 t19 2.97948468047393
                                    u10 t9 6.38890203878924
                                    u4 t38 6.70761711621011
                                    <sup>l</sup>u40 t25 6.56301084241712
                                    u18 t24 7.24077316601634
                                    ·u41 t5 7.83843678512143
                                    u28 t12 8.09584789633241
                                    <sup>l</sup>u39 t30 8.52010420386884
                                    ıu33 t44 10.7036966930776
                                    u47 t1 10.5204530050784
                                    <sup>l</sup>u35 t37 10.5425161397227
                                    ·u24 t8 9.76970175274894
                                    <sup>L</sup>u32 t48 10.2870419976608
  u21 t15 2.1940135275301
  u46 t33 2.42625986111623
  <sup>l</sup>u38 t36 2.78106994154805
 u29 t18 2.22470608452858
 ıu23 t7 2.68959034269093
  u26 t26 2.61033022269997
 -u3 t46 2.97726191531444
 u16 t50 2.33646147283562
 <sup>l</sup>u11 t22 1.84472475845113
<sup>L</sup>u8 t32 1.1557012540511
u36 t23 1.86926964152892
<sup>L</sup>u48 t41 1.90335701546382
```

Histogram of MSE

