

Prediction of Adar Editing Levelss

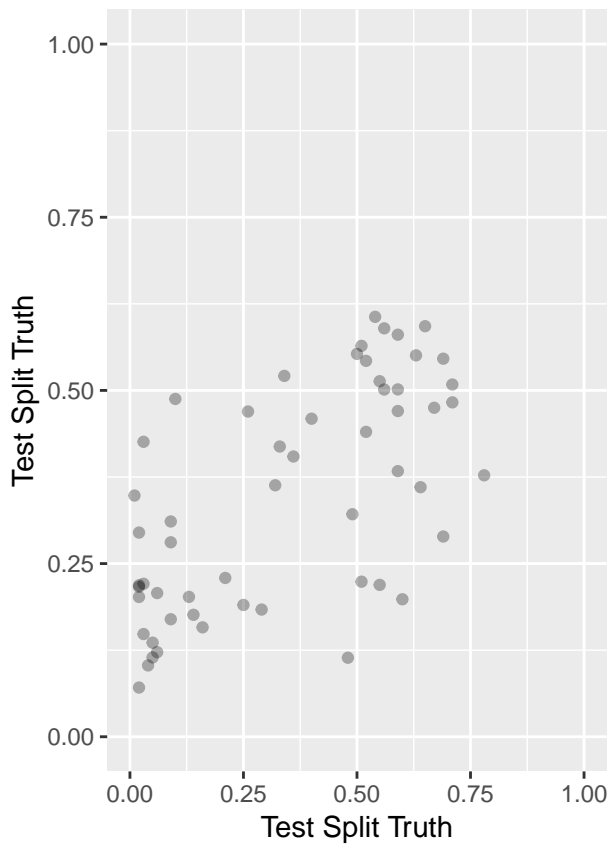
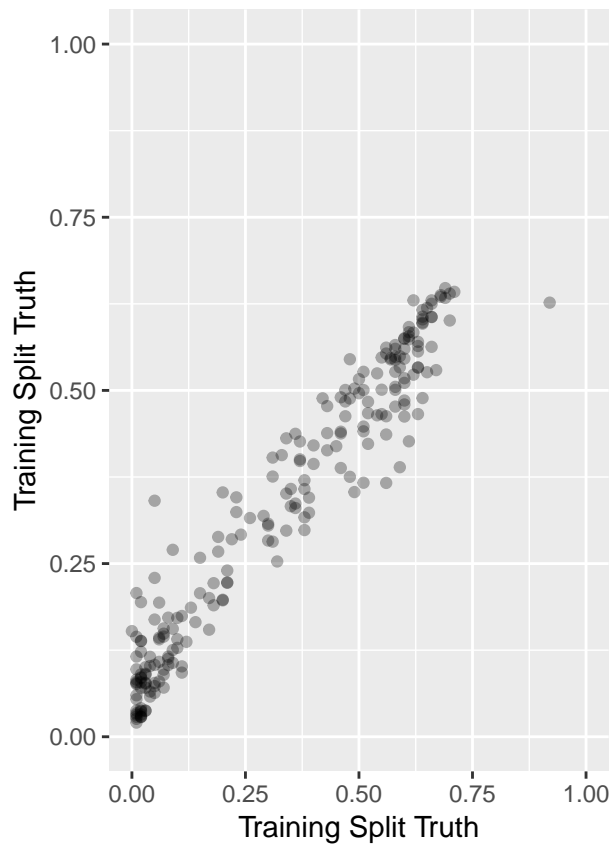
From Frequency of each RNA base in S, H, I, B feature

Note: base positions are 0-indexed

```
##  
## Call:  
## randomForest(formula = y ~ ., data = data, importance = TRUE,      ntree = 5000, subset = train_ind,  
##               Type of random forest: regression  
##               Number of trees: 5000  
## No. of variables tried at each split: 108  
##  
##               Mean of squared residuals: 0.03180788  
##               % Var explained: 47.44
```

Predictions on training and test splits

```
## [1] "MSE on training data:"  
## [1] 0.005731044  
## [1] "MSE on test data:"  
## [1] 0.03698764
```



Feature Importance

##		%IncMSE	IncNodePurity
##	S.base50	53.26333728	1.183432e+00
##	S.base46	38.75191607	1.042849e+00
##	S.base42	28.34659929	2.913009e-01
##	I.base50	27.62327945	2.966094e-01
##	H.base42	24.33058511	2.083505e-01
##	I.base54	22.31263010	4.463341e-01
##	S.base19	21.89065408	2.024418e-01
##	B.base29	21.63206576	5.077810e-01
##	B.base54	21.22222790	2.144600e-01
##	I.base46	19.03041271	9.287520e-02
##	S.base47	18.63824365	1.154111e-01
##	S.base30	18.60660502	2.021138e-01
##	S.base31	18.56140120	2.263280e-01
##	I.base31	17.79933325	1.225731e-01
##	I.base47	17.22066138	9.087093e-02
##	I.base27	16.70269019	1.097791e-01
##	H.base40	16.60936745	2.946750e-01
##	I.base49	16.38104396	3.407685e-01
##	S.base18	15.95093342	7.921829e-02
##	S.base35	15.84856237	2.622030e-01
##	I.base76	15.30158966	1.367329e-01
##	S.base27	14.64121217	9.876258e-02
##	I.base19	12.91535369	6.800035e-02
##	S.base44	12.79036224	7.678165e-02
##	S.base64	12.29118339	1.001292e-01
##	I.base67	12.22551868	1.168373e-01
##	S.base7	11.75755028	1.958142e-01
##	S.base59	11.65106115	5.662151e-02
##	I.base28	11.63293210	5.859820e-02
##	H.base35	11.61808569	2.216417e-01
##	S.base28	11.52601244	5.482869e-02
##	I.base32	10.86797165	9.027868e-02
##	S.base67	10.85367982	1.304181e-01
##	H.base47	10.46382590	8.584349e-02
##	H.base41	10.17508279	6.938206e-02
##	S.base48	10.13929988	6.132103e-02
##	S.base72	9.65602995	9.210900e-02
##	I.base53	9.61116599	4.055281e-02
##	S.base29	9.45942666	9.533697e-02
##	S.base58	9.36145036	4.443575e-02
##	S.base79	9.12156291	7.862068e-02
##	H.base46	8.78711116	7.293054e-02
##	S.base24	8.73371418	3.087423e-02
##	B.base64	8.69943579	5.545605e-02
##	S.base40	8.56327390	6.463316e-02
##	B.base59	8.46977747	2.873426e-02
##	S.base70	8.10165844	5.859060e-02
##	I.base26	8.02441792	2.980659e-02
##	B.base51	7.99683418	2.051722e-02
##	B.base52	7.95881409	2.336874e-02
##	S.base32	7.93640233	5.530642e-02

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## I.base35 7.86211182 7.103009e-02
## I.base58 7.75394416 2.896064e-02
## I.base30 7.29987007 1.857944e-02
## B.base73 7.27888280 8.219481e-02
## B.base19 7.13179200 1.606509e-02
## S.base54 7.12612075 6.614048e-02
## I.base55 7.06219412 4.043433e-02
## B.base55 6.98229908 2.689643e-02
## S.base56 6.96301530 3.295937e-02
## B.base21 6.71888033 4.047867e-02
## I.base56 6.68429177 3.601035e-02
## I.base60 6.53628807 3.988000e-02
## B.base18 6.52969744 1.376856e-02
## I.base73 6.45337167 4.510084e-02
## I.base70 6.42057102 3.879177e-02
## I.base18 6.24703191 1.247635e-02
## S.base6 6.12217614 3.272493e-02
## I.base21 6.01234999 3.443927e-02
## S.base45 6.00722559 3.899028e-02
## S.base2 5.93416528 4.833588e-02
## S.base15 5.80074469 3.137521e-02
## S.base5 5.69612179 4.978196e-02
## S.base57 5.68773333 3.591206e-02
## S.base55 5.61703938 3.017696e-02
## B.base31 5.53940111 4.416622e-02
## I.base29 5.39431755 4.038818e-02
## S.base53 5.17985915 3.406901e-02
## B.base28 5.17617135 2.835907e-02
## B.base60 4.99600818 5.712833e-02
## B.base44 4.98459217 3.977297e-02
## S.base22 4.92019859 2.234038e-02
## S.base1 4.88137304 3.942798e-02
## H.base38 4.62335592 1.556265e-02
## S.base41 4.49176485 3.608323e-02
## H.base49 4.41026440 1.822405e-02
## B.base8 4.35410973 3.585957e-02
## I.base57 4.35177895 2.466105e-02
## S.base21 4.26742343 3.212976e-02
## B.base25 4.21355367 1.412699e-02
## H.base8 4.12444062 2.341280e-02
## B.base56 4.06262328 1.224809e-02
## I.base48 4.04984185 2.762403e-02
## S.base0 4.04414932 9.835998e-03
## S.base43 4.03210628 3.469901e-02
## B.base26 4.02213736 1.412912e-02
## H.base6 3.94773634 1.858913e-02
## I.base38 3.92652292 5.502061e-03
## S.base69 3.89800907 4.356606e-02
## H.base48 3.86003811 2.002256e-02
## S.base52 3.83675582 3.679682e-02
## S.base26 3.82994545 2.759949e-02
## I.base24 3.81787964 1.060197e-02
## H.base36 3.70683655 1.130272e-02
## H.base33 3.60899266 1.781232e-02

```

## H.base5	3.54083004	2.691721e-02
## H.base7	3.53661196	2.680054e-02
## S.base71	3.48467038	2.083597e-02
## I.base39	3.43383730	1.538701e-02
## S.base25	3.42344742	1.569089e-02
## H.base3	3.42318646	8.939501e-03
## I.base15	3.41466932	3.620926e-02
## B.base30	3.22105998	9.109813e-03
## I.base37	3.21376967	5.433132e-03
## I.base59	3.13992286	9.570577e-03
## S.base66	3.11646206	2.227357e-02
## H.base32	3.11138241	1.657355e-02
## B.base35	3.08747295	1.415711e-02
## I.base20	3.05824774	2.286183e-02
## S.base73	3.05817206	5.466208e-02
## S.base51	3.05542805	1.447541e-02
## I.base41	3.02025531	2.191149e-02
## S.base3	2.97856242	2.084081e-02
## B.base9	2.97759717	2.715321e-02
## I.base7	2.96038939	2.091583e-02
## S.base61	2.91070668	4.584177e-02
## I.base69	2.90357915	2.669602e-02
## S.base20	2.89337125	2.204289e-02
## B.base20	2.86779588	6.078273e-03
## B.base22	2.86528688	7.465674e-03
## B.base58	2.84939569	5.777205e-03
## H.base37	2.78991445	1.242957e-02
## S.base37	2.77388377	1.355241e-02
## I.base25	2.76930862	1.219766e-02
## B.base34	2.72105650	6.788100e-03
## I.base16	2.70555557	2.876152e-02
## S.base33	2.67617561	1.766824e-02
## H.base10	2.64365170	2.229714e-02
## B.base33	2.64181331	8.440302e-03
## S.base75	2.63470444	6.240667e-02
## S.base77	2.62053813	3.935042e-02
## H.base50	2.60978461	1.046805e-02
## S.base36	2.50878159	1.461547e-02
## H.base9	2.46051138	1.909569e-02
## I.base40	2.44319990	1.399007e-02
## S.base63	2.44057805	2.775762e-03
## S.base38	2.27973751	1.666236e-02
## S.base9	2.24223466	3.852706e-02
## I.base22	2.15069947	2.192669e-02
## H.base4	2.09460955	8.434678e-03
## B.base57	2.02914909	7.383836e-03
## H.base45	1.99977955	5.735158e-03
## I.base72	1.96291651	4.530692e-02
## I.base13	1.84700607	1.865620e-02
## S.base78	1.83770008	3.128130e-02
## S.base10	1.83350738	3.455813e-02
## S.base16	1.81040226	1.521114e-02
## B.base46	1.76983032	1.339982e-02
## S.base74	1.76581934	5.019377e-02

```

## B.base72 1.71874414 8.945205e-04
## S.base49 1.70988403 2.344444e-02
## I.base52 1.67795018 2.719269e-02
## H.base62 1.65512962 1.025909e-03
## S.base76 1.62088583 3.491943e-02
## H.base63 1.60440560 5.039116e-04
## I.base36 1.58806984 3.876790e-02
## H.base27 1.56780867 3.942288e-04
## I.base51 1.50138709 3.838904e-03
## H.base26 1.50033393 4.243257e-04
## I.base71 1.50026496 4.167570e-03
## B.base10 1.50005747 1.456472e-05
## H.base57 1.48894297 2.508400e-03
## I.base14 1.44320694 1.981245e-02
## S.base62 1.41504041 4.175390e-03
## H.base21 1.37780513 9.477982e-04
## H.base29 1.36184405 3.897132e-04
## H.base30 1.32201565 5.815014e-04
## I.base74 1.29592721 3.339557e-02
## B.base24 1.28546999 2.389649e-03
## B.base53 1.25870171 1.938613e-02
## H.base20 1.20522004 5.951724e-04
## B.base65 1.20485001 2.249965e-02
## H.base54 1.17086789 4.922402e-03
## H.base23 1.14022533 6.031967e-04
## S.base13 1.13472293 1.935591e-02
## B.base14 1.12912686 4.713634e-04
## S.base34 1.10986325 3.139191e-02
## H.base22 1.08964223 7.624698e-04
## B.base15 1.06347572 1.372541e-02
## S.base4 1.06310795 1.819180e-02
## B.base12 1.01348836 3.682728e-05
## H.base15 1.00432026 8.373055e-05
## B.base13 0.99982157 1.544566e-05
## S.base12 0.94715053 3.223370e-02
## I.base68 0.93771788 2.092111e-02
## H.base2 0.93323849 2.561832e-04
## S.base14 0.92004026 1.867460e-02
## S.base11 0.89951204 2.733052e-04
## B.base41 0.89284642 6.082983e-03
## H.base28 0.88215219 4.112525e-04
## H.base19 0.86558161 7.988911e-04
## I.base9 0.85360085 6.005670e-04
## I.base66 0.80644276 3.867248e-02
## S.base60 0.77772700 3.928889e-02
## H.base43 0.76050998 1.353466e-02
## H.base18 0.72736902 5.399486e-04
## H.base65 0.71816423 1.012027e-04
## H.base55 0.69762824 3.647889e-03
## B.base61 0.66832852 3.576127e-02
## B.base38 0.63639488 3.940741e-03
## H.base51 0.60960112 9.774135e-03
## H.base24 0.59720591 5.947778e-04
## S.base65 0.56205831 3.164081e-02

```

```

## I.base12 0.50351754 3.272151e-02
## H.base25 0.50182284 6.094826e-04
## B.base48 0.50061703 1.511910e-02
## I.base61 0.32879613 1.013141e-02
## I.base75 0.29084633 2.224766e-02
## H.base16 0.18291572 5.322397e-04
## B.base37 0.13180066 8.510859e-04
## I.base8 0.05698269 3.528160e-02
## H.base0 0.00000000 0.000000e+00
## H.base1 0.00000000 0.000000e+00
## H.base61 0.00000000 8.431446e-05
## H.base66 0.00000000 5.663529e-05
## H.base67 0.00000000 0.000000e+00
## H.base68 0.00000000 0.000000e+00
## H.base69 0.00000000 0.000000e+00
## H.base70 0.00000000 0.000000e+00
## H.base71 0.00000000 0.000000e+00
## H.base72 0.00000000 0.000000e+00
## H.base73 0.00000000 0.000000e+00
## H.base74 0.00000000 0.000000e+00
## H.base75 0.00000000 0.000000e+00
## H.base76 0.00000000 0.000000e+00
## H.base77 0.00000000 0.000000e+00
## H.base78 0.00000000 0.000000e+00
## H.base79 0.00000000 0.000000e+00
## H.base80 0.00000000 0.000000e+00
## I.base0 0.00000000 0.000000e+00
## I.base1 0.00000000 0.000000e+00
## I.base2 0.00000000 0.000000e+00
## I.base3 0.00000000 0.000000e+00
## I.base4 0.00000000 0.000000e+00
## I.base5 0.00000000 0.000000e+00
## I.base6 0.00000000 2.642455e-05
## I.base11 0.00000000 2.336957e-06
## I.base80 0.00000000 0.000000e+00
## B.base0 0.00000000 0.000000e+00
## B.base1 0.00000000 0.000000e+00
## B.base2 0.00000000 0.000000e+00
## B.base3 0.00000000 0.000000e+00
## B.base4 0.00000000 0.000000e+00
## B.base5 0.00000000 0.000000e+00
## B.base6 0.00000000 0.000000e+00
## B.base7 0.00000000 0.000000e+00
## B.base69 0.00000000 8.771613e-05
## B.base70 0.00000000 0.000000e+00
## B.base78 0.00000000 0.000000e+00
## B.base79 0.00000000 0.000000e+00
## B.base80 0.00000000 0.000000e+00
## B.base66 -0.13077023 1.999754e-02
## B.base43 -0.15607629 1.038597e-02
## H.base34 -0.17685348 3.662508e-02
## I.base10 -0.20469031 2.628595e-02
## I.base17 -0.20893736 2.638595e-03
## B.base32 -0.24306047 7.929018e-03

```

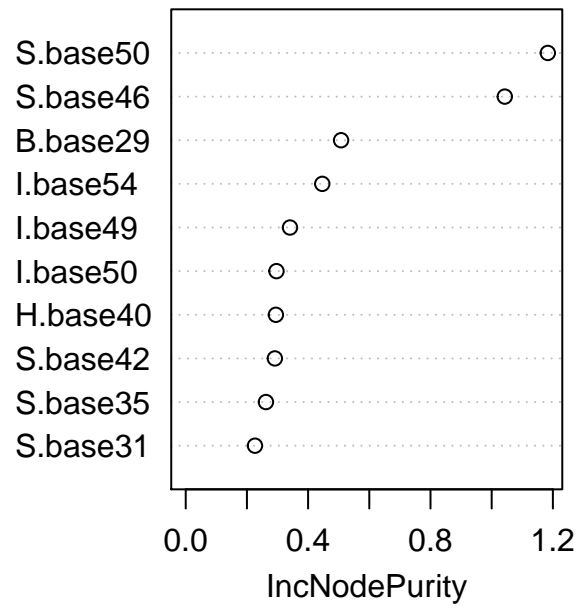
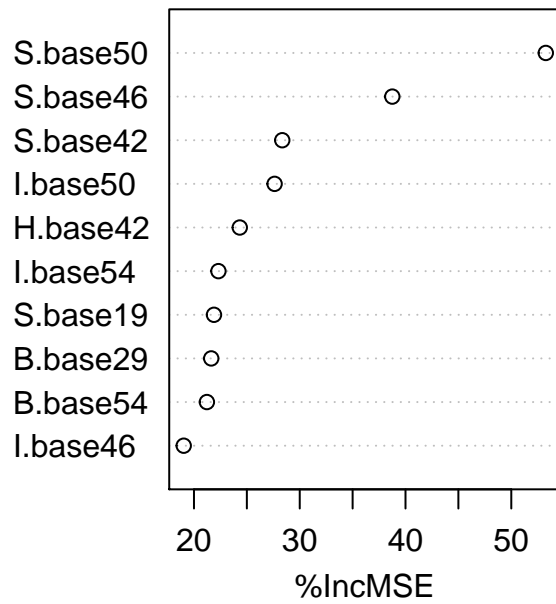
```

## B.base11 -0.26990306 5.620768e-06
## B.base40 -0.30640866 7.737383e-03
## B.base62 -0.35431259 2.136967e-03
## I.base43 -0.37618957 2.247765e-02
## I.base42 -0.50961341 1.120053e-02
## H.base60 -0.51350292 1.543230e-04
## H.base64 -0.63964011 6.552246e-04
## B.base17 -0.65091051 1.630929e-02
## B.base47 -0.66213033 4.402085e-02
## H.base44 -0.66850523 4.347580e-03
## B.base16 -0.82247008 1.191800e-02
## H.base58 -0.83403495 1.253832e-03
## H.base56 -0.90362320 3.461822e-03
## S.base80 -0.90787746 3.686001e-03
## S.base23 -0.92659329 5.819703e-03
## H.base11 -0.93797389 1.989404e-04
## H.base59 -0.95899372 4.680785e-05
## I.base34 -0.98295543 2.480908e-03
## H.base14 -0.99527885 1.421730e-04
## H.base12 -1.00010002 9.573214e-05
## B.base23 -1.05174217 3.032130e-03
## B.base67 -1.05831221 1.688045e-02
## H.base13 -1.07206960 1.698474e-04
## I.base77 -1.13570517 9.820119e-04
## I.base63 -1.14766494 1.139222e-04
## S.base17 -1.21037350 1.567897e-02
## B.base76 -1.26328928 6.309726e-04
## H.base52 -1.46869075 1.079435e-02
## S.base8 -1.48245127 2.489720e-02
## B.base49 -1.50608544 2.297283e-02
## I.base45 -1.61978049 2.146156e-03
## I.base64 -1.62116963 1.262792e-05
## B.base71 -1.84835530 4.119168e-04
## B.base63 -1.87373457 5.692906e-04
## B.base74 -1.90595790 8.795405e-03
## H.base17 -1.91128945 4.487961e-04
## B.base68 -1.93680814 2.195652e-02
## I.base62 -1.95056012 3.738734e-04
## I.base23 -1.95509918 4.669756e-03
## S.base39 -2.08204493 4.778334e-02
## I.base44 -2.08800089 1.839381e-02
## H.base39 -2.15523300 6.350739e-02
## B.base42 -2.31591122 5.313305e-03
## H.base31 -2.36319480 4.017020e-03
## B.base39 -2.47566032 8.897581e-03
## B.base27 -2.48788142 2.570217e-02
## I.base33 -2.58122707 8.349855e-03
## H.base53 -2.58417318 1.603727e-03
## S.base68 -2.66436288 3.697672e-02
## I.base78 -2.76112731 9.744641e-04
## I.base79 -3.10075598 5.813690e-04
## B.base77 -3.33908810 2.031158e-03
## B.base50 -3.59662436 3.152117e-02
## B.base36 -3.95254618 3.921988e-03

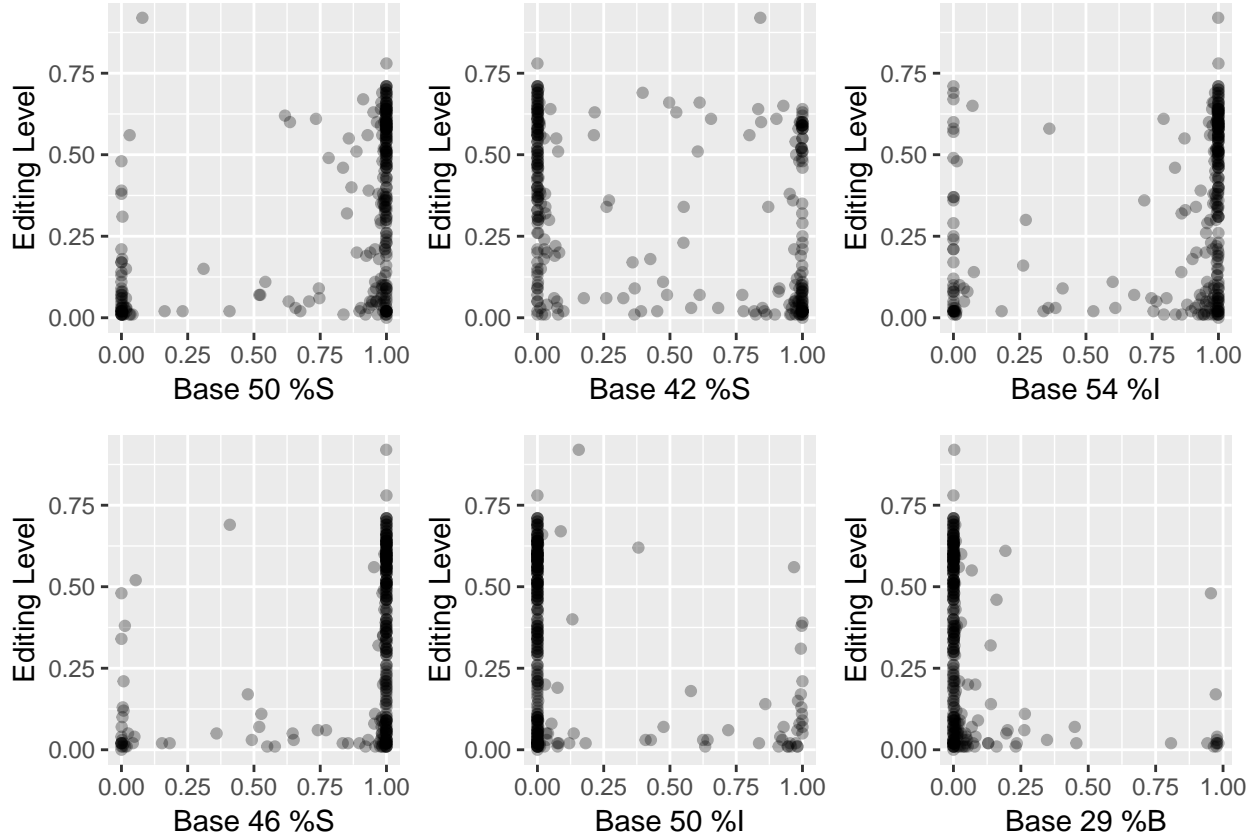
```

```
## B.base75 -4.54000231 1.803891e-02
## I.base65 -4.91471253 5.747144e-03
## B.base45 -5.12103507 2.231553e-02
```

Importance of position along the RNA



Feature value vs Editing Level



Editing Level Prediction on Inferred Structure from Both Position-Specific and Structure-Specific Features

```
## editing_level mp1 mp2 mref1 mref2 malt1 malt2 mtype1 mtype2 adist1
## 1 0.58 44 NA G <NA> A <NA> mismatch <NA> 6
## 2 0.46 45 NA G <NA> A <NA> mismatch <NA> 5
## 3 0.49 46 NA G <NA> A <NA> mismatch <NA> 4
## 4 0.48 47 NA G <NA> A <NA> mismatch <NA> 3
## 5 0.59 48 NA C <NA> A <NA> mismatch <NA> 2
## 6 0.39 52 NA G <NA> A <NA> mismatch <NA> -2
## adist2 editing_feature mfeat1 mfeat1_prev mfeat1_next
## 1 NA I S H I
## 2 NA I I S S
## 3 NA B S H B
## 4 NA I S H I
## 5 NA I S H I
## 6 NA I S I I
## mfeat1_same_as_edit mfeat2 mfeat2_prev mfeat2_next mfeat2_same_as_edit
## 1 0 <NA> <NA> <NA> NA
## 2 0 <NA> <NA> <NA> NA
## 3 0 <NA> <NA> <NA> NA
## 4 0 <NA> <NA> <NA> NA
```

```

## 5          0 <NA>          <NA>          <NA>          NA
## 6          0 <NA>          <NA>          <NA>          NA
##   stem_length hairpin_length feat_3prime_e feat_3prime_e_length
## 1          7          5          I          3
## 2          2          8          I          3
## 3          6         10          B          2
## 4          6          4          I          1
## 5          7          8          I          1
## 6          6          4          I          2
##   feat_3prime_e_length_5prime feat_3prime_e_cp1 feat_3prime_e_cp2
## 1          2          G:U          U:A
## 2          3          G:C          U:A
## 3          0          C:G          A:U
## 4          1          A:U          U:A
## 5          1          A:U          U:A
## 6          1          A:U          U:A
##   feat_3prime_e_distal feat_3prime_e_length_distal
## 1          I          3
## 2          I          3
## 3          B          2
## 4          I          1
## 5          I          1
## 6          I          2
##   feat_3prime_e_length_5prime_distal feat_3prime_e_cp1_distal
## 1          2          G:U
## 2          3          G:C
## 3          0          C:G
## 4          1          A:U
## 5          1          A:U
## 6          1          A:U
##   feat_3prime_e_cp2_distal
## 1          U:A
## 2          U:A
## 3          A:U
## 4          U:A
## 5          U:A
## 6          U:A

##   |      Out-of-bag |
## Tree |      MSE %Var(y) |
## 300 | 0.01682 27.51 |
##   |      Out-of-bag |
## Tree |      MSE %Var(y) |
## 300 | 0.01988 32.51 |
##   |      Out-of-bag |
## Tree |      MSE %Var(y) |
## 300 | 0.01923 31.44 |
##   |      Out-of-bag |
## Tree |      MSE %Var(y) |
## 300 | 0.01973 32.26 |
##   |      Out-of-bag |
## Tree |      MSE %Var(y) |
## 300 | 0.02031 33.21 |

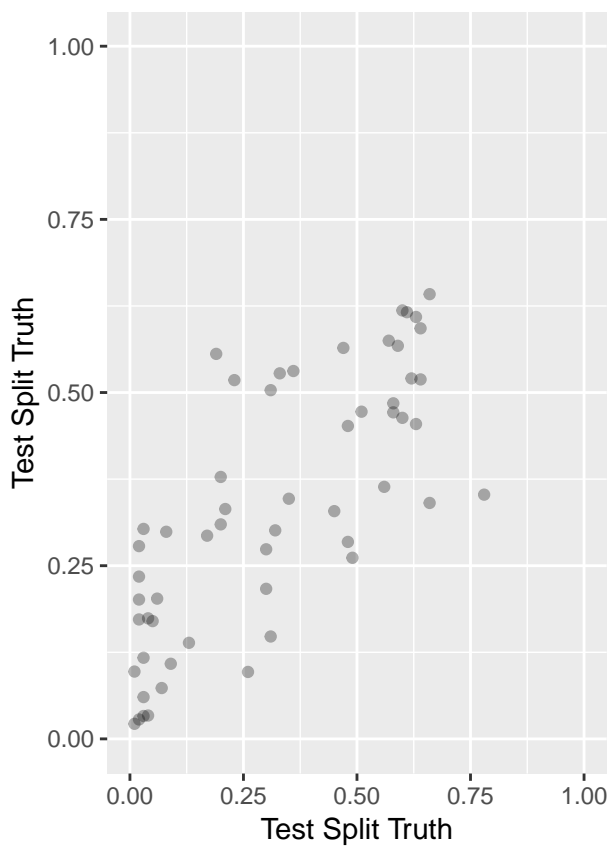
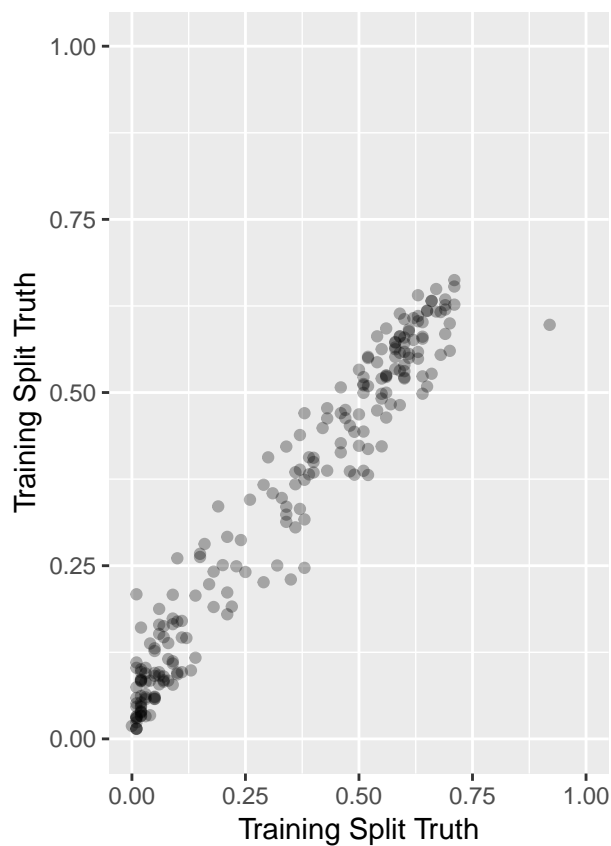
##

```

```
## Call:
## randomForest(formula = y ~ ., data = data, importance = TRUE,      ntree = 10000, subset = train_in
##               Type of random forest: regression
##               Number of trees: 10000
## No. of variables tried at each split: 10
##
##               Mean of squared residuals: 0.02037068
##               % Var explained: 67.12
```

Predictions on training and test splits

```
## [1] "MSE on training data:"
## [1] 0.00436655
## [1] "MSE on test data:"
## [1] 0.02421978
```

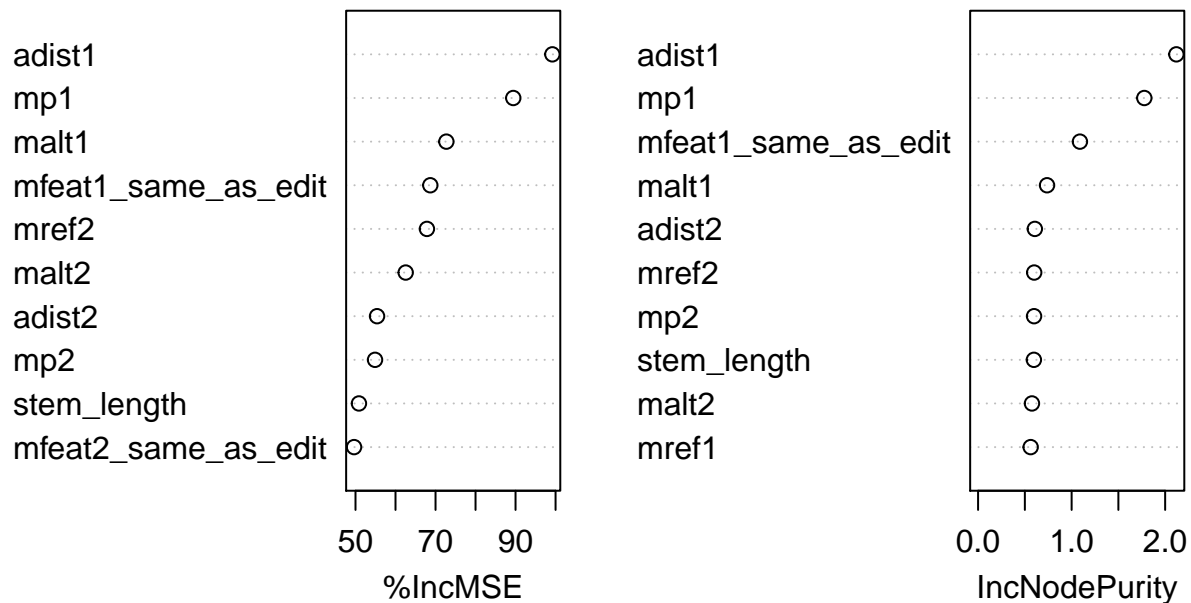


##Feature Importance

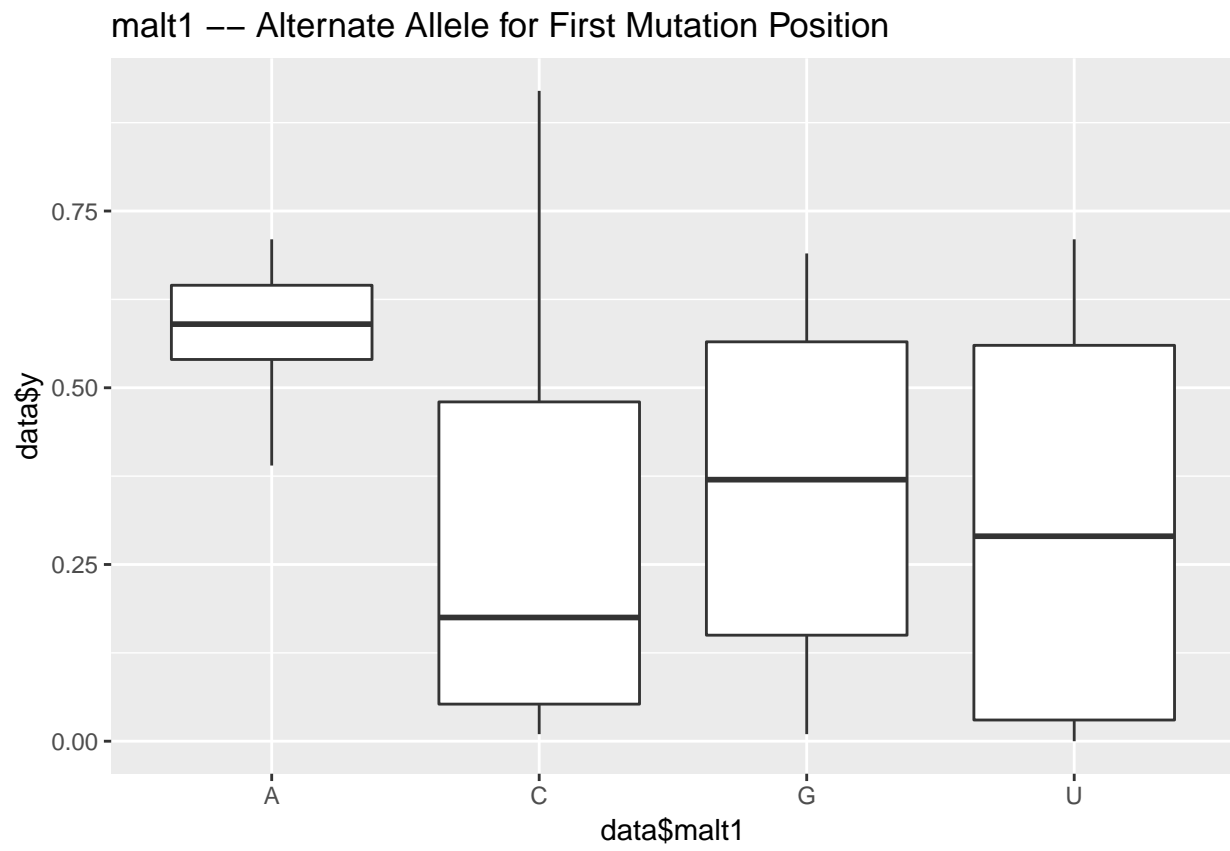
	%IncMSE	IncNodePurity
adist1	99.200586	2.11985169
mp1	89.429439	1.77693792
malt1	72.710320	0.73712756
mfeat1_same_as_edit	68.696536	1.08869140
mref2	67.849012	0.59974446
malt2	62.540736	0.57581795
adist2	55.385916	0.60670394

## mp2	54.878442	0.59853918
## stem_length	50.855093	0.59654475
## mfeat2_same_as_edit	49.638572	0.44006956
## mfeat2	46.812395	0.36633356
## mref1	41.647376	0.56213007
## mfeat2_prev	41.624083	0.29913956
## mfeat2_next	38.531322	0.40230169
## feat_3prime_e_length_distal	38.088409	0.27248928
## feat_3prime_e_length	37.897661	0.26958926
## mfeat1	33.637215	0.22726464
## mfeat1_prev	31.975373	0.26181755
## hairpin_length	27.412423	0.16509034
## feat_3prime_e_cp2_distal	21.969674	0.22811640
## mtype1	21.917468	0.06780997
## feat_3prime_e_cp2	21.706516	0.22891921
## feat_3prime_e_length_5prime_distal	18.893305	0.08671540
## mfeat1_next	18.137265	0.12142573
## feat_3prime_e_length_5prime	17.479674	0.08086709
## feat_3prime_e_cp1	9.087820	0.08124108
## feat_3prime_e_cp1_distal	8.901085	0.08143912
## editing_feature	4.843355	0.08058079
## feat_3prime_e_distal	1.295613	0.04825592
## feat_3prime_e	1.294021	0.04654927
## mtype2	0.000000	0.00000000

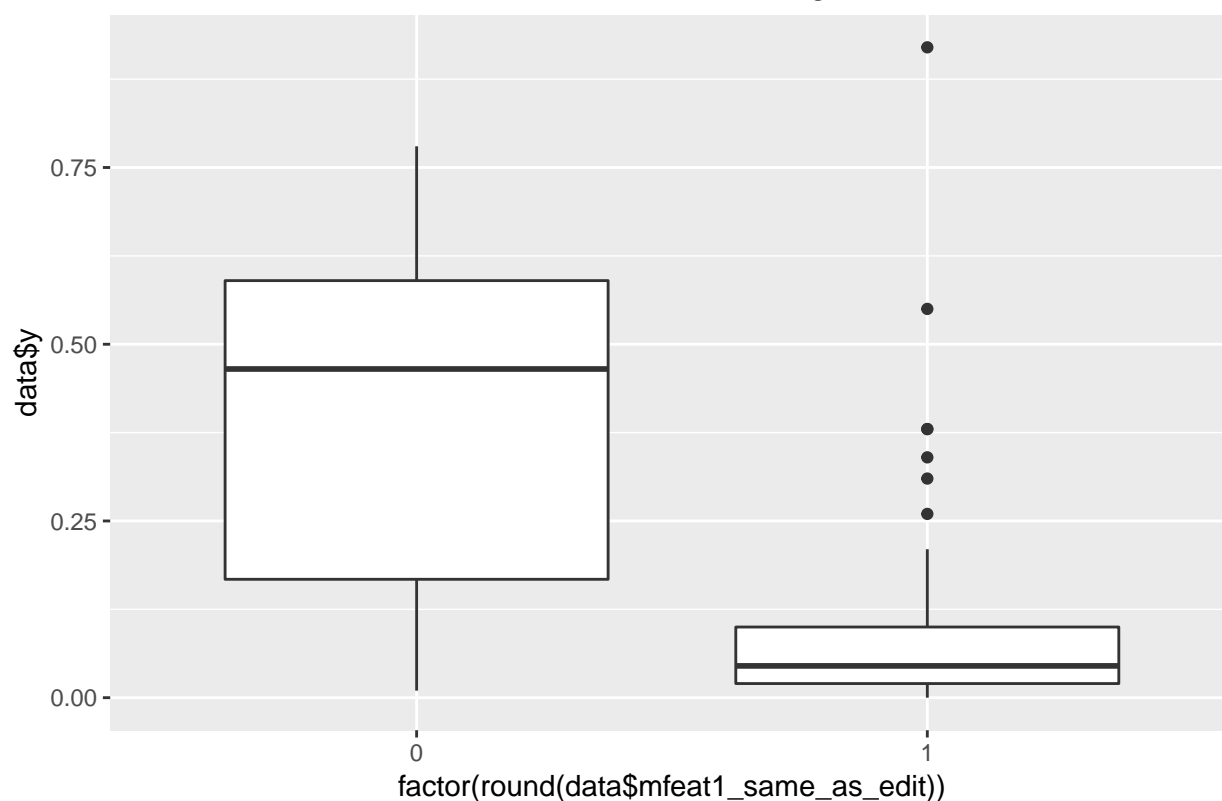
Top 10 Most Important Features



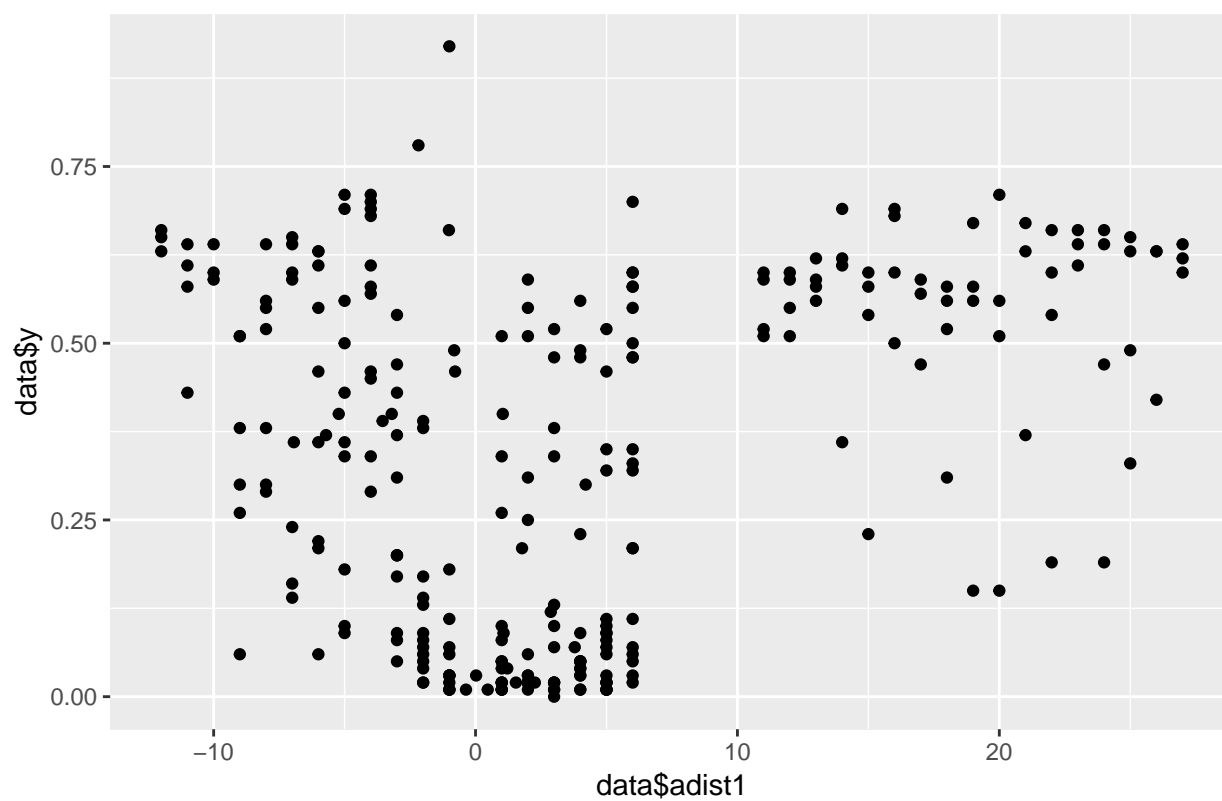
Feature values vs Editing Level



Mutation in Same Structural Feature as Editing Site



Distance between mutation position and editing position



Predicting Editing Level from Structure-Specific Features Only (i.e. No Mutation Information Used in Model)

```
## editing_level editing_feature mfeat1 mfeat1_prev mfeat1_next
## 1 0.58 I S H I
## 2 0.46 I I S S
## 3 0.49 B S H B
## 4 0.48 I S H I
## 5 0.59 I S H I
## 6 0.39 I S I I
## mfeat1_same_as_edit mfeat2 mfeat2_prev mfeat2_next mfeat2_same_as_edit
## 1 0 <NA> <NA> <NA> NA
## 2 0 <NA> <NA> <NA> NA
## 3 0 <NA> <NA> <NA> NA
## 4 0 <NA> <NA> <NA> NA
## 5 0 <NA> <NA> <NA> NA
## 6 0 <NA> <NA> <NA> NA
## stem_length hairpin_length feat_3prime_e feat_3prime_e_length
## 1 7 5 I 3
## 2 2 8 I 3
## 3 6 10 B 2
## 4 6 4 I 1
## 5 7 8 I 1
## 6 6 4 I 2
## feat_3prime_e_cp1 feat_3prime_e_cp2
## 1 G:U U:A
## 2 G:C U:A
## 3 C:G A:U
## 4 A:U U:A
## 5 A:U U:A
## 6 A:U U:A

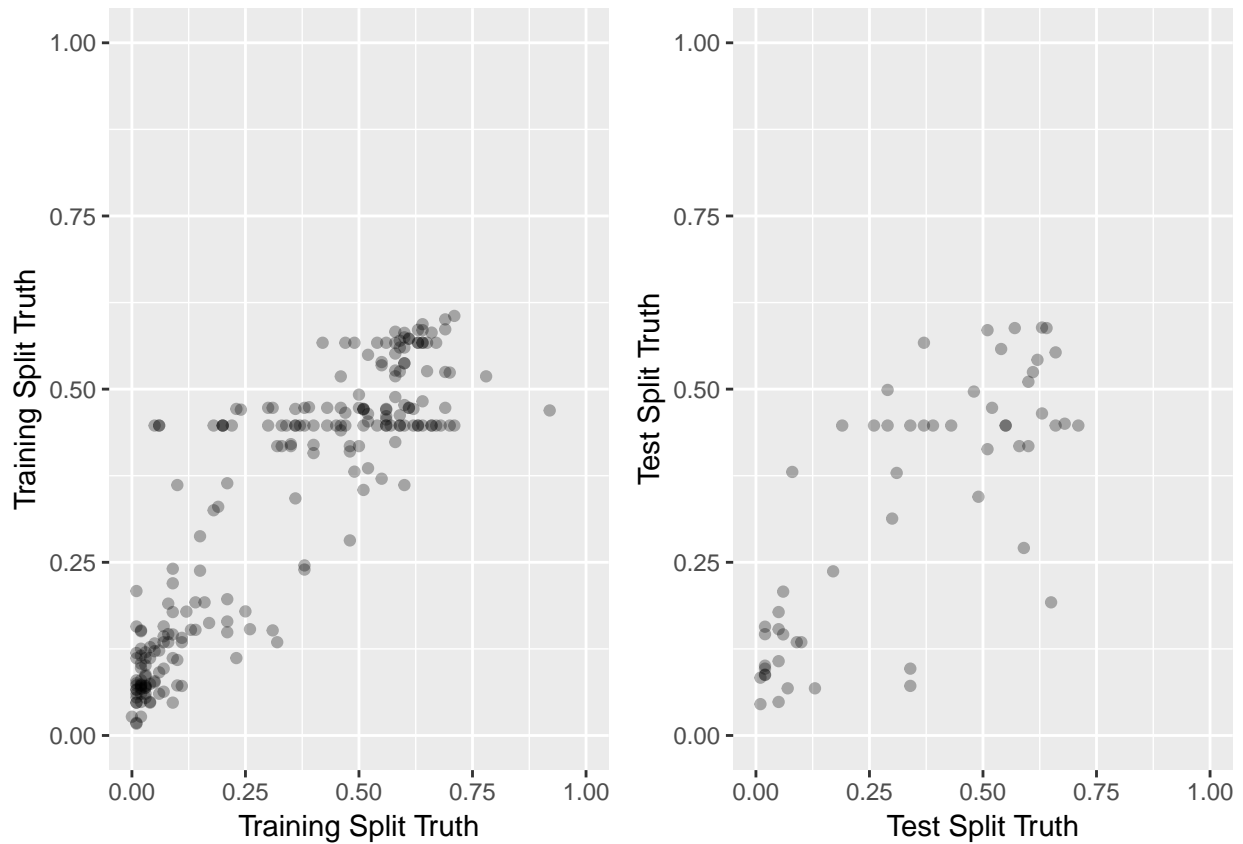
## | Out-of-bag |
## Tree | MSE %Var(y) |
## 300 | 0.03356 54.88 |
## | Out-of-bag |
## Tree | MSE %Var(y) |
## 300 | 0.02852 46.63 |
## | Out-of-bag |
## Tree | MSE %Var(y) |
## 300 | 0.02883 47.14 |
## | Out-of-bag |
## Tree | MSE %Var(y) |
## 300 | 0.0287 46.93 |
## | Out-of-bag |
## Tree | MSE %Var(y) |
## 300 | 0.0287 46.92 |

##
## Call:
## randomForest(formula = y ~ ., data = data, importance = TRUE, ntree = 10000, subset = train_in
## Type of random forest: regression
## Number of trees: 10000
## No. of variables tried at each split: 5
```

```
##
##           Mean of squared residuals: 0.0307335
##           % Var explained: 50.41
```

Predictions on training and test splits

```
## [1] "MSE on training data:"
## [1] 0.01459266
## [1] "MSE on test data:"
## [1] 0.0223757
```

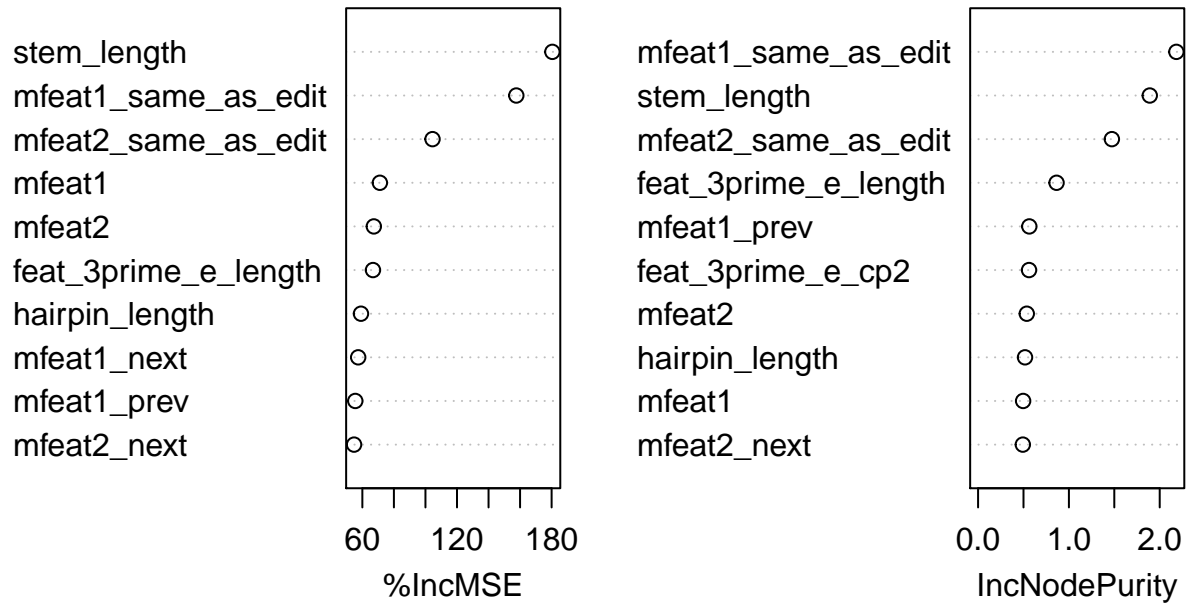


##Feature Importance

##	%IncMSE	IncNodePurity
## stem_length	180.46072	1.8905742
## mfeat1_same_as_edit	157.60555	2.1833565
## mfeat2_same_as_edit	104.47843	1.4731725
## mfeat1	71.10283	0.4960650
## mfeat2	67.27690	0.5360758
## feat_3prime_e_length	66.73800	0.8642990
## hairpin_length	59.11610	0.5166704
## mfeat1_next	57.37012	0.2787318
## mfeat1_prev	55.51387	0.5640146
## mfeat2_next	54.74268	0.4927063
## mfeat2_prev	44.91924	0.3618502
## feat_3prime_e_cp2	44.33424	0.5610486

## feat_3prime_e_cp1	30.89480	0.2648874
## editing_feature	20.08312	0.2612761
## feat_3prime_e	19.86301	0.1672702

Top 10 Most Important Features



Feature values vs Editing Level

