

Lab_1_Intro_to_Data_01_04

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2024-09-06

#2. Take a look at the Environment tab, where `cdc` should now be visible. Click the blue button

```
View(cdc)
```

Including Plots

#3. The `$` operator in `R` is used to access variables within a dataset; for example, `cdc$height`

##question Lab 1 :Do `height` and `weight` appear to be associated?

```
plot(cdc$weight ~ cdc$height)
```

```
print(" There is an association between height and weight.")
```

A BMI of 30 or above is considered obese. Why might health agencies choose to use BMI as a measur

```
meter_hei = cdc$height*.0254 #convert metric
```

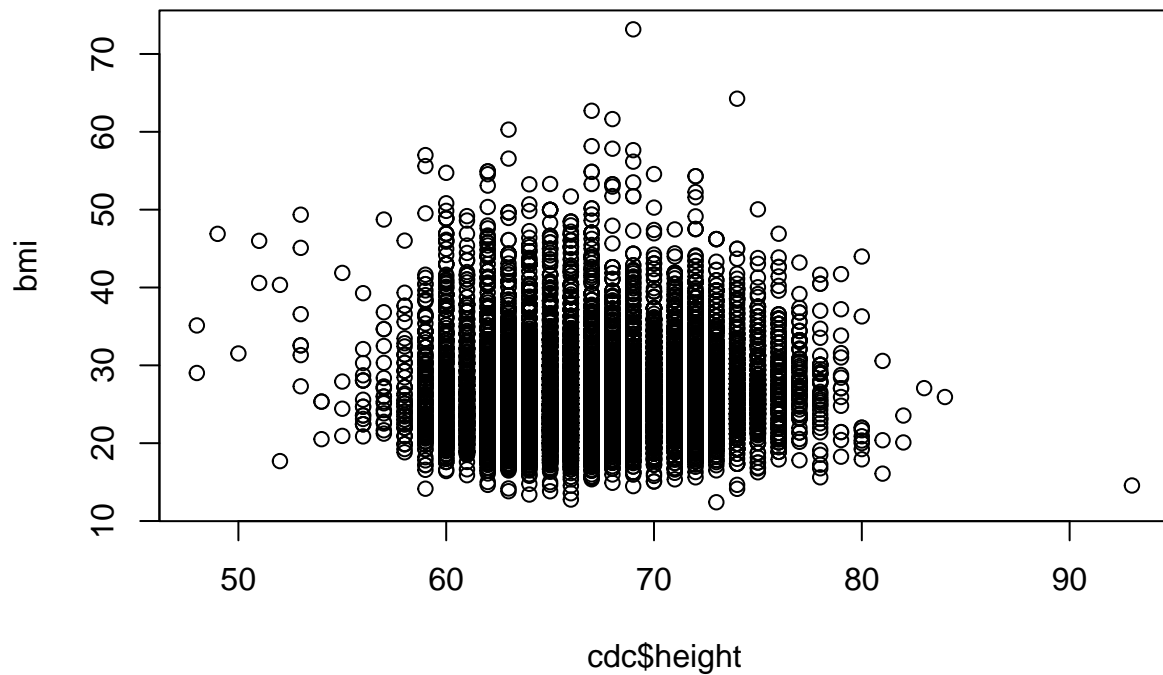
```
#create weight.kg
```

```
kilo_wei = cdc$weight*.454 # convert metric
```

```
bmi = (kilo_wei)/(meter_hei^2) #calculate bmi
```

```
#plot height and bmi
```

```
plot(cdc$height, bmi)
```



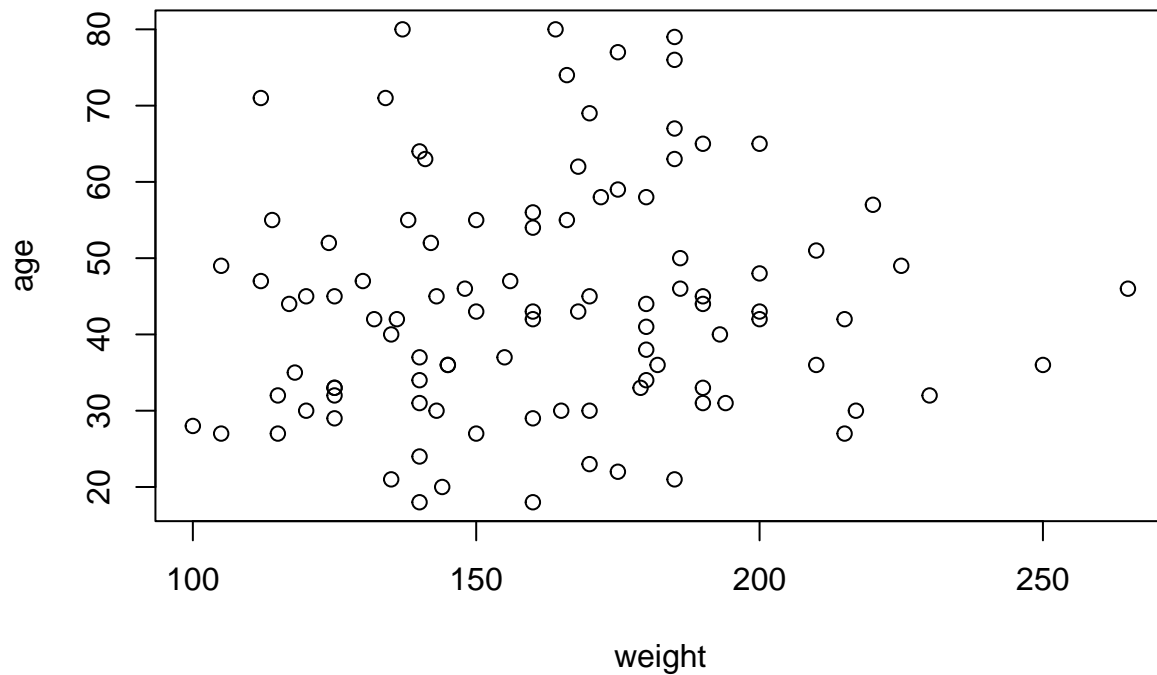
```
print(" BMI is a indication of proper ratio between weigt and height whereas solely weight is dependant")
```

```
## [1] " BMI is a indication of proper ratio between weigt and height whereas solely weight is dependant"
```

```
##7. Use bracket notation to make a scatterplot of \texttt{height} and \texttt{weight} for the first 100
##question Lab 1 :Do \texttt{height} and \texttt{weight} appear to be associated?
```

```
plot(cdc[1:100, 6], cdc[1:100, 8],
     xlab = "weight",
     ylab = "age",
     main = "Scatter Plot of weight vs. Age")
```

Scatter Plot of weight vs. Age



#6. Row-and-column notation in combination with square brackets can be used to access a subset of the data
`cdc[567, 6]` *#to access a subset of the data*

```
## [1] 160
```

`cdc[1:10, 6]` *#see the weight for the first ten respondents*

```
## [1] 175 125 105 132 150 114 194 170 150 180
```

`cdc[1:10,]` *# If the column number is omitted, then all the columns will be returned for rows 1 through*

```
##      genhlth exerany hlthplan smoke100 height weight wt desire age gender
## 1      good      0        1         0    70   175    175  77      m
## 2      good      0        1         1    64   125    115  33      f
## 3      good      1        1         1    60   105    105  49      f
## 4      good      1        1         0    66   132    124  42      f
## 5 very good      0        1         0    61   150    130  55      f
## 6 very good      1        1         0    64   114    114  55      f
## 7 very good      1        1         0    71   194    185  31      m
## 8 very good      0        1         0    67   170    160  45      m
## 9      good      0        1         1    65   150    130  27      f
## 10     good      1        1         0    70   180    170  44      m
```

```
cdc[,6] #omit the range for the rows to access all observations for column 6.
```

```
##      [1] 175 125 105 132 150 114 194 170 150 180 186 168 185 170 170 185 156 185
##     [19] 200 125 200 160 160 165 105 190 190 160 115 185 166 180 182 185 220 117
##     [37] 160 190 125 160 124 143 118 210 200 145 175 130 112 141 179 135 140 170
##     [55] 150 172 125 168 120 180 186 144 250 160 164 155 140 125 140 190 140 134
##     [73] 217 215 190 215 112 136 142 210 180 120 225 200 148 143 135 115 193 140
##     [91] 265 166 145 138 137 175 230 140 180 100 118 142 110 114 175 180 140 193
##    [109] 211 220 210 160 132 163 132 207 145 190 200 170 280 125 120 224 115 185
##    [127] 160 250 190 205 200 160 144 185 140 200 280 180 250 172 215 138 185 220
##    [145] 136 190 150 130 172 107 187 125 110 205 140 128 180 165 204 97 130 180
##    [163] 195 187 142 225 180 180 180 128 130 215 180 152 151 143 175 210 235 190
##    [181] 220 92 185 150 129 135 140 110 183 212 165 171 205 170 170 155 222 200
##    [199] 150 210 130 200 155 135 200 134 128 115 155 112 116 135 135 180 140 179
##    [217] 149 135 140 165 126 180 107 165 120 210 145 200 125 142 135 185 152 225
##    [235] 207 155 212 122 160 125 170 135 148 160 150 165 130 135 190 125 175 200
##    [253] 212 178 132 255 175 150 170 156 170 185 198 186 123 168 162 185 113 220
##    [271] 160 165 270 220 175 206 210 175 330 200 230 175 180 180 170 100 108 107
##    [289] 205 124 163 130 125 250 295 185 105 168 225 185 200 142 90 145 100 138
##    [307] 140 145 130 220 300 142 180 130 185 113 140 175 225 153 180 240 195 150
##    [325] 110 115 160 147 132 195 250 190 170 175 170 120 155 155 170 127 185 150
##    [343] 200 155 160 165 125 195 140 283 180 180 173 165 150 175 185 290 115 128
##    [361] 140 130 155 130 115 190 190 115 160 200 125 170 150 160 120 163 160 184
##    [379] 160 270 275 165 122 123 145 112 208 103 180 182 195 133 230 180 205 185
##    [397] 200 200 175 130 120 169 182 200 155 105 101 240 178 200 164 145 140 130
##    [415] 280 220 150 145 190 135 160 187 220 140 180 215 146 170 190 125 180 190
##    [433] 155 210 130 195 160 150 102 185 190 145 210 250 180 130 196 130 110 160
##    [451] 155 140 210 185 180 238 220 185 119 240 180 174 218 202 180 230 145 180
##    [469] 160 135 190 125 132 240 230 200 135 200 150 140 201 195 210 165 157 118
##    [487] 185 170 186 150 161 253 180 170 171 175 125 180 182 149 133 180 180 185
##    [505] 140 174 135 120 135 198 285 110 160 150 210 185 144 128 150 179 100 195
##    [523] 160 230 100 135 150 110 220 140 185 250 143 130 195 165 150 182 185 125
##    [541] 115 168 185 170 175 178 170 160 140 175 110 200 155 208 125 150 235 220
##    [559] 190 200 141 175 180 138 170 132 160 172 123 120 180 190 195 140 192 200
##    [577] 135 185 242 170 180 165 230 165 170 155 130 164 176 130 140 140 165 150
##    [595] 130 195 165 130 230 150 235 185 215 135 180 115 180 280 170 180 155 155
##    [613] 200 185 108 101 328 155 230 148 201 140 150 170 162 145 155 165 230 198
##    [631] 132 185 200 220 111 196 154 162 135 155 150 155 198 190 170 180 133 200
##    [649] 170 130 200 145 235 135 215 145 170 150 128 180 134 120 168 180 126 113
##    [667] 160 250 230 146 120 116 121 175 205 185 248 140 170 245 120 145 275 121
##    [685] 185 170 115 152 125 138 167 200 208 185 245 220 179 140 238 135 200 145
##    [703] 110 128 132 165 145 136 190 135 180 166 165 200 190 140 145 100 167 105
##    [721] 140 135 150 125 130 185 170 198 155 160 275 130 173 150 198 144 120 135
##    [739] 140 130 185 150 163 130 165 190 165 150 200 150 250 210 180 215 170 190
##    [757] 165 110 170 148 175 200 180 124 114 135 165 130 380 170 170 170 141 130
##    [775] 255 190 210 150 145 175 172 175 108 160 200 147 120 145 145 130 172 280
##    [793] 140 200 157 210 165 110 165 135 162 155 150 177 175 130 113 165 145 170
##    [811] 150 182 140 135 135 115 230 165 248 202 190 200 200 165 210 165 220 240
##    [829] 160 140 140 135 120 185 248 140 110 135 160 340 115 160 115 135 180 170
##    [847] 115 160 240 134 170 140 140 260 226 133 220 135 210 180 400 180 220 205
##    [865] 180 152 105 160 105 199 200 145 115 235 125 200 160 180 250 165 168 160
##    [883] 185 190 170 135 260 190 120 157 250 270 178 133 150 137 136 120 180 150
##    [901] 95 140 153 175 165 140 250 124 197 158 103 234 240 270 195 117 190 148
```

```

## [919] 176 120 190 145 198 180 140 157 100 170 150 145 145 160 165 148 170 135
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## [973] 180 144 150 170 150 175 120 205 115 172 235 190 125 110 113 230 114 195
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## [1045] 150 135 170 128 200 117 170 208 198 150 140 180 165 100 180 125 130 140
## [1063] 110 158 145 175 138 218 212 160 178 145 200 167 125 185 157 200 155 140
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## [3835] 170 200 180 210 125 140 124 170 180 210 140 164 185 165 135 150 240 205
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## [4411] 162 90 123 190 185 160 99 148 165 175 140 204 175 115 165 160 175 160
## [4429] 150 185 185 110 190 190 152 215 158 155 196 151 220 125 165 170 495 115
## [4447] 135 220 118 140 170 225 150 250 174 140 185 150 115 170 265 103 170 230
## [4465] 138 340 145 249 145 105 220 135 160 140 170 220 190 155 205 180 134 265
## [4483] 140 230 101 190 155 120 250 194 150 182 140 190 225 220 225 130 185 180
## [4501] 190 190 175 150 198 195 180 160 210 200 214 160 137 256 150 210 140 165
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## [4591] 134 187 147 165 175 150 170 120 175 140 176 180 160 240 155 130 110 150
## [4609] 195 200 225 371 180 158 125 122 190 135 235 220 190 198 180 105 170 130
## [4627] 170 145 160 145 230 185 160 170 140 160 120 158 145 170 220 107 115 172
## [4645] 170 135 230 180 195 180 128 128 205 140 140 130 220 250 130 133 132 98
## [4663] 220 134 117 160 100 235 175 140 192 210 240 137 180 175 115 165 130 225
## [4681] 160 175 210 115 140 135 200 170 220 156 160 165 175 180 150 120 135 185
## [4699] 180 140 180 115 160 145 200 164 130 140 175 130 150 190 175 145 155 200
## [4717] 175 135 155 180 120 124 172 135 220 145 200 180 185 210 183 225 255 110
## [4735] 215 260 200 200 135 160 220 119 145 246 172 145 210 131 145 105 128 100
## [4753] 148 178 165 160 165 163 178 110 130 160 205 114 160 235 155 175 125 160
## [4771] 227 160 150 142 178 205 119 135 170 180 200 165 250 115 250 120 240 140
## [4789] 160 170 135 165 140 200 150 212 154 145 105 235 106 235 175 159 270 160

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## [4825] 175 103 125 195 142 160 160 260 140 235 138 215 140 147 187 180 350 170
## [4843] 195 193 130 195 125 215 190 175 135 140 205 130 150 142 160 150 150 230
## [4861] 190 145 120 180 130 145 200 135 215 135 83 160 210 205 135 210 178 178
## [4879] 175 195 155 125 210 135 124 200 170 200 140 128 175 220 210 170 200 255
## [4897] 160 180 150 180 190 138 220 130 135 120 210 175 140 124 160 170 138 160
## [4915] 117 142 230 290 250 175 135 165 140 150 137 126 230 170 240 200 180 180
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## [4969] 155 125 140 105 218 236 190 140 140 150 170 119 127 175 137 210 175 215
## [4987] 170 162 145 145 165 185 240 200 98 162 140 135 110 290 135 108 130 189
## [5005] 145 125 243 150 210 160 135 210 165 193 145 270 180 142 135 175 105 194
## [5023] 212 202 135 150 160 140 105 175 162 135 210 210 155 175 220 140 150 140
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## [16741] 155 195 195 175 140 167 160 210 164 200 110 175 150 230 200 212 165 175
## [16759] 135 165 210 185 184 230 250 235 124 150 156 200 190 200 170 123 120 124
## [16777] 143 250 190 120 185 180 158 154 175 230 118 160 220 135 170 175 150 170
## [16795] 165 206 180 130 151 201 280 100 230 208 195 195 180 205 160 128 175 150
## [16813] 210 120 250 138 185 150 170 230 175 150 175 125 190 260 214 138 130 150
## [16831] 123 165 135 147 200 180 170 280 150 125 170 165 158 115 250 120 122 204
## [16849] 240 170 185 158 145 240 145 209 138 215 160 140 150 190 180 210 170 135
## [16867] 210 150 136 176 160 165 200 180 170 150 125 130 200 126 152 170 250 148
## [16885] 114 150 175 180 165 165 240 130 135 190 122 185 180 112 215 185 113 120
## [16903] 130 180 240 255 180 190 380 138 180 160 185 150 173 165 120 116 190 186
## [16921] 138 170 143 108 110 275 195 135 160 220 250 144 140 118 115 155 242 135
## [16939] 250 190 145 135 130 180 165 137 168 170 165 215 150 155 215 180 250 168
## [16957] 193 205 157 230 174 150 135 140 185 210 115 160 180 200 165 137 140 170
## [16975] 142 150 125 230 134 139 155 220 185 220 140 165 190 190 180 200 215 197
## [16993] 142 185 149 150 155 220 210 112 180 130 150 140 128 140 200 240 140 200
## [17011] 140 185 175 165 150 125 130 145 165 186 134 145 195 140 180 145 152 190
## [17029] 150 215 190 215 254 142 205 270 140 190 130 165 100 137 165 142 178 165
## [17047] 162 150 112 185 128 165 150 180 142 272 184 185 116 135 152 133 180 140
## [17065] 180 125 210 197 280 165 175 160 115 270 150 185 190 217 170 185 178 130
## [17083] 120 140 160 195 145 125 160 165 170 137 180 230 177 160 210 235 100 185
## [17101] 220 128 215 230 185 200 200 145 250 154 132 115 141 172 180 130 185 258
## [17119] 185 205 192 108 138 200 230 140 190 140 260 174 200 111 120 175 265 140
## [17137] 200 182 182 210 165 170 135 98 145 150 150 130 215 120 109 165 200 140
## [17155] 270 125 127 165 120 140 157 115 226 190 225 170 180 170 200 150 170 185
## [17173] 203 145 180 107 216 180 120 212 152 140 180 142 165 190 128 160 185 160
## [17191] 165 130 185 220 130 180 250 160 175 292 178 141 120 225 200 175 122 255
## [17209] 140 126 125 145 160 130 143 98 136 166 172 340 130 95 160 128 113 200
## [17227] 135 155 170 120 184 180 185 215 180 168 150 125 185 120 135 143 160 173
## [17245] 160 100 127 128 155 100 148 162 210 200 196 160 170 130 200 150 170 115
## [17263] 257 140 210 100 125 140 280 240 168 128 145 170 210 214 156 245 185 195
## [17281] 140 190 140 175 130 120 137 145 200 200 180 164 187 132 190 262 120 120
## [17299] 170 145 158 133 235 183 170 240 190 180 193 134 180 165 129 130 140 175
## [17317] 240 155 205 150 142 198 175 106 230 230 140 200 184 130 170 190 170 160
## [17335] 150 155 150 135 175 125 160 165 135 114 178 282 130 190 130 168 218 98
## [17353] 160 350 130 140 160 100 250 265 160 175 160 185 125 170 124 170 175 225
## [17371] 150 135 165 138 128 140 250 160 190 179 235 200 177 150 168 310 180 125
## [17389] 149 180 245 148 250 240 315 200 150 105 150 155 195 135 172 220 170 150
## [17407] 280 155 180 175 135 185 225 160 190 165 250 180 210 190 168 160 140 170
## [17425] 200 230 156 165 220 140 145 105 130 320 120 200 152 115 200 140 150 170

```

```

## [17443] 135 155 120 215 170 138 135 125 248 163 280 215 215 130 150 170 263 150
## [17461] 159 110 155 200 150 225 140 110 124 140 140 380 198 165 205 142 185 140
## [17479] 205 160 171 140 158 150 150 190 160 190 218 160 175 170 185 190 217 140
## [17497] 165 140 200 170 180 190 160 135 200 211 250 160 180 150 174 160 155 175
## [17515] 130 160 158 163 141 275 215 130 190 173 165 145 210 140 145 180 230 112
## [17533] 140 179 128 180 160 170 140 200 180 196 160 195 165 155 120 207 130 238
## [17551] 115 180 215 220 122 179 220 186 210 220 168 195 248 118 180 150 120 190
## [17569] 200 220 160 140 170 200 155 167 170 120 205 245 187 82 140 134 110 160
## [17587] 250 185 200 210 220 110 160 185 105 290 145 150 170 165 190 180 160 135
## [17605] 190 150 165 138 190 145 300 175 145 240 165 155 140 150 148 215 275 190
## [17623] 170 162 196 165 160 240 190 237 120 200 220 120 155 210 128 156 120 138
## [17641] 150 190 140 170 95 170 175 125 135 120 220 150 190 175 125 229 175 195
## [17659] 168 135 190 112 185 190 149 175 150 120 225 230 167 300 140 150 145 164
## [17677] 140 170 155 185 140 123 138 180 117 241 186 195 160 137 155 160 180 225
## [17695] 140 185 265 170 140 110 168 123 180 195 195 180 155 165 200 145 144 165
## [17713] 120 130 145 175 190 115 158 250 165 270 140 170 220 140 200 178 160 190
## [17731] 160 175 125 155 205 200 120 150 150 200 174 171 152 150 190 150 210 130
## [17749] 163 165 215 100 140 160 193 138 160 145 165 325 199 145 152 155 170 164
## [17767] 190 160 150 190 165 190 115 194 153 285 170 150 165 135 160 180 195 240
## [17785] 160 170 145 190 150 150 165 180 157 200 175 145 190 160 185 117 150 245
## [17803] 300 170 130 130 170 150 175 171 165 146 200 130 260 140 170 190 180 147
## [17821] 185 120 174 150 150 200 130 126 215 110 105 136 150 185 215 300 180 195
## [17839] 109 263 190 135 130 194 220 150 200 300 160 190 180 120 235 107 130 168
## [17857] 260 120 165 210 185 140 170 190 260 275 200 230 185 260 120 200 190 190
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## [17911] 200 215 140 175 109 110 180 150 183 180 185 167 150 117 115 134 170 285
## [17929] 175 149 240 182 142 129 160 190 160 118 197 150 138 160 179 135 136 186
## [17947] 180 205 123 154 190 198 192 155 181 220 150 130 112 130 138 155 175 128
## [17965] 195 140 160 120 225 138 230 145 145 190 145 185 200 175 195 180 123 155
## [17983] 200 235 130 190 130 150 250 145 160 155 150 105 130 165 225 220 170 110
## [18001] 185 126 180 192 185 160 175 94 190 145 160 175 215 120 165 140 145 200
## [18019] 135 112 165 98 195 252 205 210 135 230 160 123 215 285 171 174 235 170
## [18037] 150 145 122 125 150 120 120 195 180 132 200 150 140 149 145 170 207 128
## [18055] 110 194 210 135 212 135 103 210 125 147 78 115 123 125 160 172 120 205
## [18073] 95 130 160 150 150 150 120 150 148 120 250 150 173 160 134 140 132 170
## [18091] 120 135 162 180 130 120 150 200 137 128 190 200 195 205 182 108 140 287
## [18109] 140 220 325 175 140 165 142 140 160 140 175 160 160 138 210 160 135 190
## [18127] 110 156 160 170 135 135 170 150 200 250 135 145 236 140 130 170 120 175
## [18145] 155 190 190 180 165 123 170 190 94 203 230 160 130 167 130 130 145 150
## [18163] 145 194 130 180 250 205 114 180 190 203 180 240 170 295 101 162 190 152
## [18181] 160 213 125 130 134 155 145 200 140 187 148 180 190 190 170 150 172 216
## [18199] 115 230 195 99 130 165 165 240 205 157 285 160 125 150 287 155 170 160
## [18217] 120 125 130 235 230 175 190 135 210 180 190 175 230 200 175 265 160 117
## [18235] 204 215 155 160 100 210 160 230 175 165 197 150 150 175 235 141 180 208
## [18253] 150 200 178 165 175 240 200 235 160 210 190 158 126 199 135 157 200 132
## [18271] 158 136 98 205 200 155 125 170 120 125 170 130 160 103 190 140 190 140
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## [18325] 195 237 190 127 125 155 180 260 200 140 155 250 127 210 140 152 245 150
## [18343] 120 120 140 140 170 155 200 170 120 260 145 114 170 160 155 160 200 195
## [18361] 158 116 125 212 145 117 138 150 197 170 200 170 160 145 140 184 142 165
## [18379] 120 195 145 145 166 188 147 205 163 185 195 105 142 145 154 180 170 200
## [18397] 170 123 145 160 225 135 160 125 165 127 115 115 175 210 205 200 220 118

```

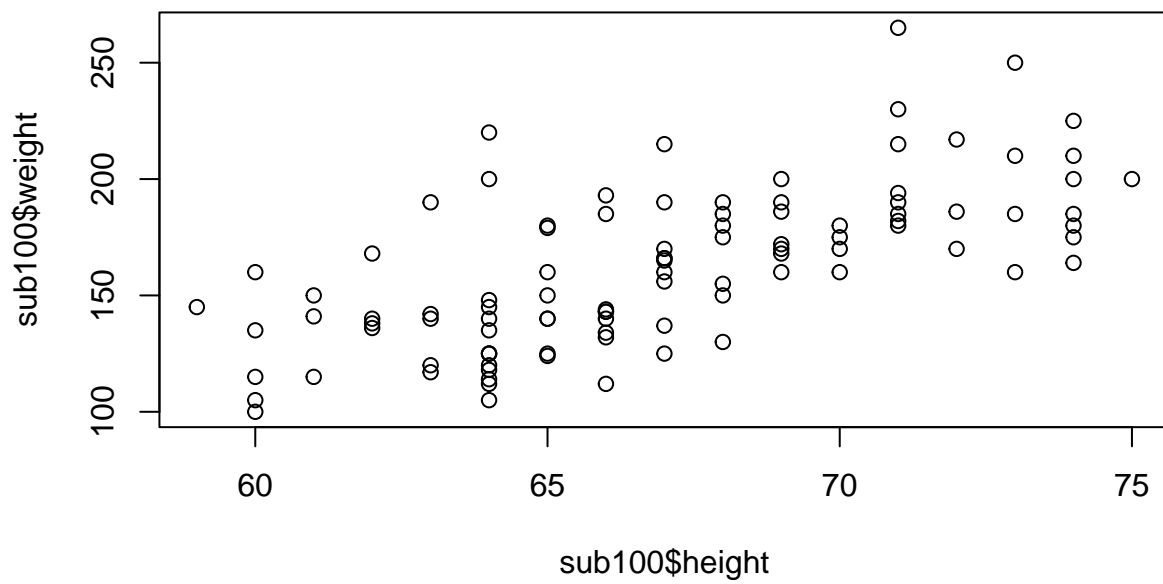
```

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## [18433] 187 120 172 140 165 185 218 220 100 190 160 225 195 145 240 117 150 125
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## [18469] 220 190 140 150 125 155 180 150 181 165 157 150 130 125 175 210 165 193
## [18487] 175 225 155 100 220 126 148 150 140 125 220 200 210 170 128 165 110 118
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## [18595] 175 240 183 120 128 155 260 140 270 160 108 175 167 180 230 133 190 210
## [18613] 195 180 160 155 170 140 155 122 207 170 230 180 135 112 225 115 168 160
## [18631] 128 168 235 190 200 145 135 186 175 170 156 170 165 120 123 165 165 140
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## [18685] 268 200 187 160 110 220 138 172 215 180 208 150 187 180 172 240 133 150
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## [18775] 150 155 125 146 205 125 210 248 205 265 180 145 190 125 160 236 190 170
## [18793] 255 160 185 165 210 132 276 140 175 280 155 150 180 165 225 170 105 150
## [18811] 135 155 200 165 160 155 260 250 180 185 163 143 207 134 150 175 110 190
## [18829] 160 170 265 150 108 179 135 130 155 160 143 115 131 130 184 210 170 125
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## [18973] 180 310 170 170 169 235 150 103 110 138 160 195 120 170 155 260 200 173
## [18991] 125 203 140 134 260 122 245 115 130 110 152 131 220 132 140 155 170 190
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## [19045] 180 170 235 192 260 253 165 165 97 230 190 140 155 162 185 190 190 160
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## [19153] 127 350 175 133 127 225 190 190 219 135 120 175 160 145 185 132 162 150
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## [19189] 170 150 175 197 190 143 130 110 130 195 172 205 185 240 170 155 151 172
## [19207] 160 200 190 145 195 145 160 155 135 165 275 160 180 185 150 142 120 280
## [19225] 150 200 206 138 116 225 110 140 170 110 153 210 172 120 140 160 210 180
## [19243] 130 138 220 180 200 165 235 178 150 155 155 140 147 185 158 200 140 140
## [19261] 205 150 115 170 165 165 180 200 145 135 160 210 205 145 146 190 165 197
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## [19297] 160 176 178 160 230 185 170 105 148 175 185 180 210 145 170 115 210 170
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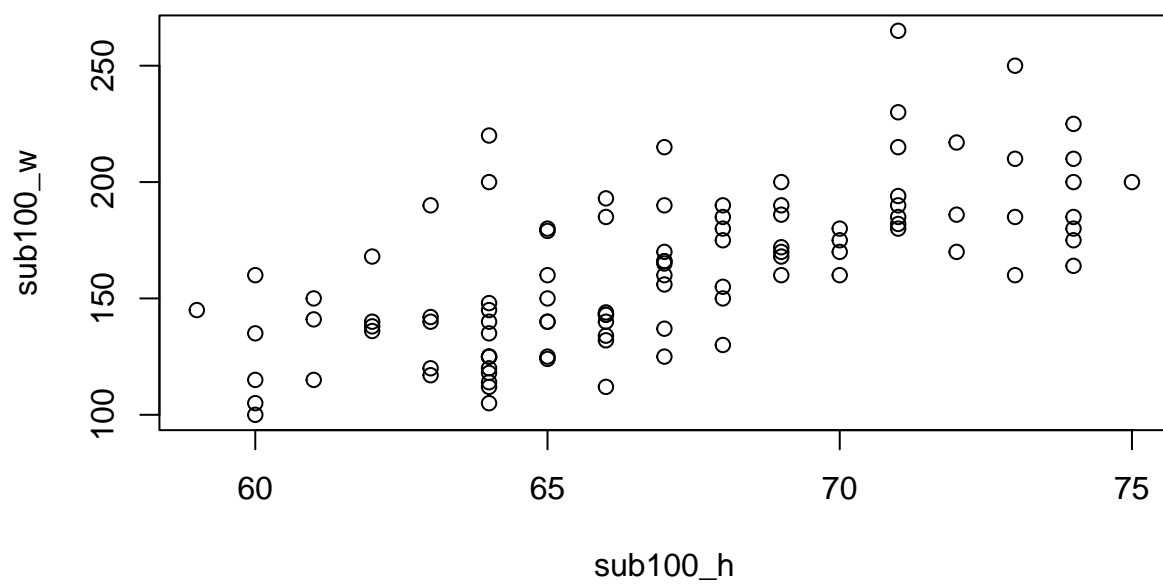
```

```
## [19387] 135 120 145 150 260 115 200 190 120 210 189 265 152 360 180 180 135 95
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## [19423] 236 140 245 155 163 152 155 142 200 135 150 120 160 145 180 175 165 135
## [19441] 168 126 250 135 180 160 128 110 140 165 148 155 180 135 198 155 180 92
## [19459] 128 165 122 200 170 131 140 127 190 160 120 160 180 235 140 155 148 132
## [19477] 190 210 210 165 170 145 200 127 145 125 130 215 113 148 151 180 172 100
## [19495] 190 190 180 125 145 350 120 200 140 195 180 235 190 120 135 168 199 250
## [19513] 216 295 138 120 240 185 300 170 163 135 255 260 104 190 160 240 110 188
## [19531] 140 250 370 260 190 180 145 218 170 140 163 210 260 185 150 145 170 210
## [19549] 114 184 192 150 185 240 178 108 130 220 313 120 180 135 105 195 235 200
## [19567] 300 135 145 135 115 165 150 228 195 179 127 206 177 165 225 190 157 195
## [19585] 155 145 123 125 210 180 160 142 160 125 118 190 130 170 185 190 255 105
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## [19639] 230 300 200 130 210 168 159 122 190 175 230 175 159 180 200 160 170 145
## [19657] 212 160 225 165 135 190 210 197 110 173 125 250 135 216 170 160 185 200
## [19675] 120 185 180 135 200 245 185 180 140 165 200 151 179 115 134 210 140 150
## [19693] 145 135 180 200 175 220 120 170 145 206 140 235 115 173 180 113 160 170
## [19711] 195 220 257 160 300 117 185 130 215 180 200 180 200 200 140 175 180 160
## [19729] 235 164 210 158 208 160 170 165 135 170 130 120 111 150 120 180 200 190
## [19747] 220 220 160 130 190 170 135 140 165 165 131 165 240 128 118 138 195 180
## [19765] 155 170 129 148 180 210 117 125 200 180 138 150 104 180 190 270 177 180
## [19783] 200 110 135 122 110 210 150 135 110 130 196 135 225 240 190 88 140 168
## [19801] 138 200 200 190 165 187 156 127 125 230 170 135 127 133 195 185 230 120
## [19819] 155 120 145 160 245 195 170 250 125 157 219 152 165 179 190 170 180 200
## [19837] 170 155 230 195 182 123 150 150 205 202 100 145 155 168 159 150 168 127
## [19855] 242 135 120 128 115 170 160 170 125 107 310 160 198 184 160 165 163 200
## [19873] 123 200 105 170 135 160 185 138 190 185 170 158 200 250 250 203 140 195
## [19891] 150 170 250 190 150 180 135 100 215 190 160 148 140 117 168 194 185 128
## [19909] 118 140 119 185 145 160 120 165 160 180 150 160 185 125 272 150 130 190
## [19927] 145 235 265 150 135 160 145 200 145 260 110 120 220 140 125 182 210 150
## [19945] 123 134 150 180 165 105 195 292 180 170 155 162 205 172 135 145 120 165
## [19963] 138 180 183 145 180 215 165 112 168 85 145 110 156 230 198 180 135 265
## [19981] 195 210 171 190 180 120 140 200 230 230 195 210 180 165 224 215 200 216
## [19999] 165 170
```

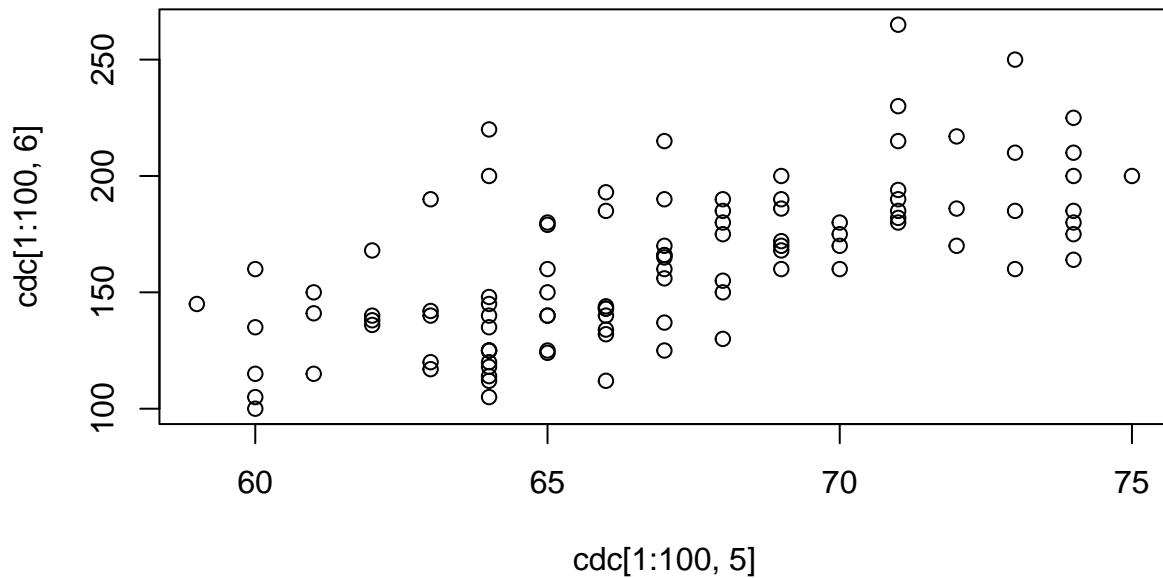
```
##From Question 1
##Plot 3.b Plot Weight and age
##Plot Height and Age using row and column index notation for example: plot(cdc[1:100, 5], cdc[1:100, 6],
sub100 = cdc[1:100, ]
plot(sub100$height, sub100$weight)
```

```
#subset the variables separately
sub100_h = cdc[1:100, 5]
sub100_w = cdc[1:100, 6]
plot(sub100_h, sub100_w)
```



```
#nest the commands
plot(cdc[1:100, 5], cdc[1:100, 6])
```



```
### Section 2: Gene Transcript Lengths.
```

```
#load the oibiostat package
library(oibiostat)
#load the coding.mrna dataset
data(coding.mrna)
```

```
#1. How many transcripts are represented in this dataset?
nrow(coding.mrna)
```

```
## [1] 79105
```

```
#2. Calculate the 5-number summary for the transcript lengths using the \texttt{summary()} command. What
summary(coding.mrna$transcript_length)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      54      707     1547    2219    2913   109224
```

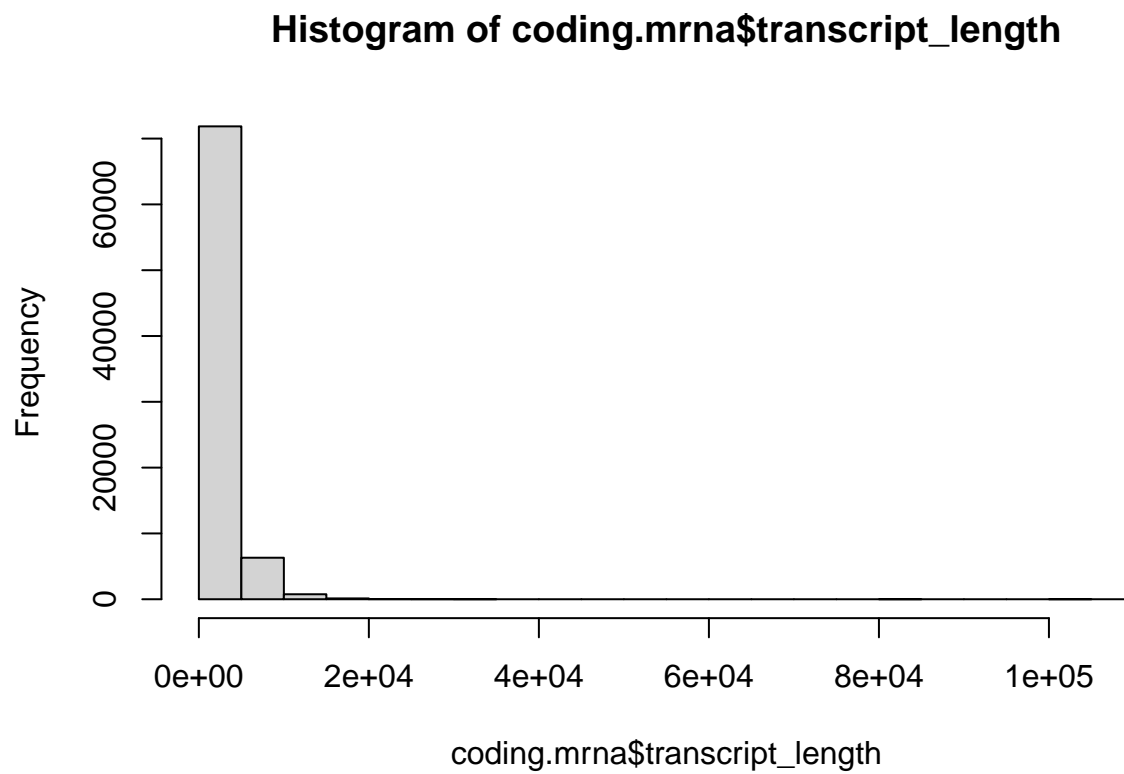
```
print("The Maximum is probably a outlier as the 3rd quotile is farther away")
```

```
## [1] "The Maximum is probably a outlier as the 3rd quotile is farther away"
```

#3. Draw a histogram and a boxplot of the distribution of transcript lengths. When you see them, you will know what to expect.

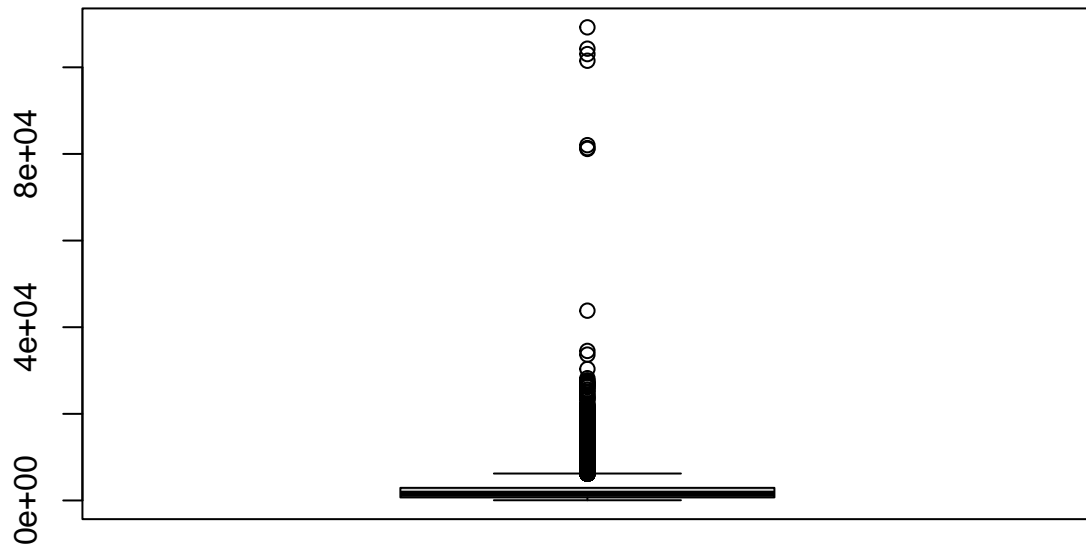
#create a histogram

```
hist(coding.mrna$transcript_length)
```



#create a boxplot

```
boxplot(coding.mrna$transcript_length)
```



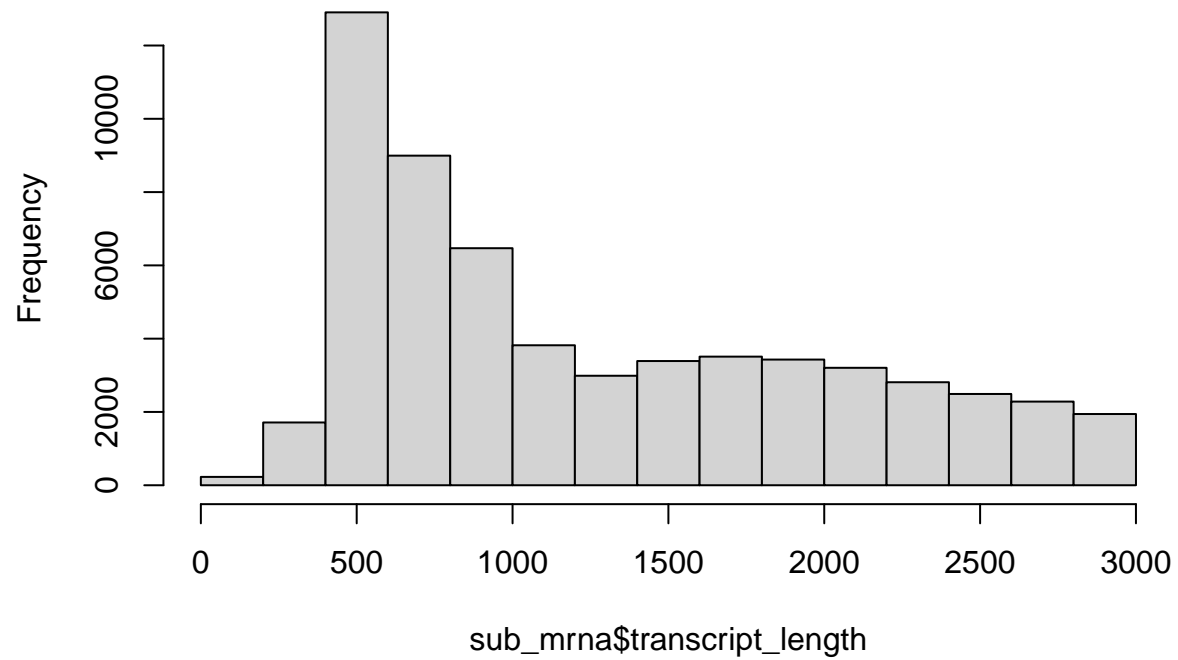
```
print("The data is cringed together that we can only tell it is left skewed, but it does not tell data c
```

```
## [1] "The data is cringed together that we can only tell it is left skewed, but it does not tell data
```

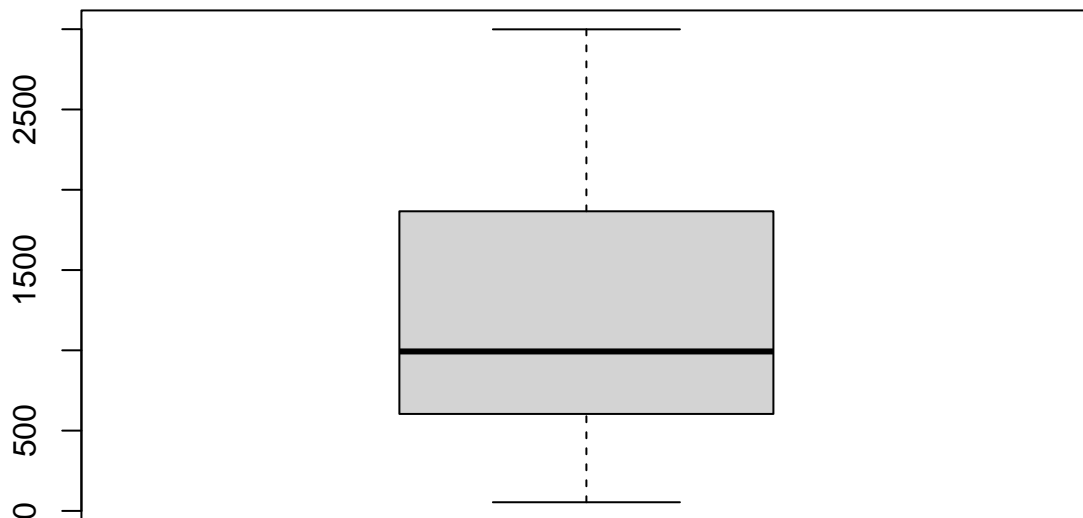
```
#4. For a data item \texttt{x}, the notation \texttt{x < a} is used to reference the subset of values o
```

```
sub_mrna = subset(coding.mrna, coding.mrna$transcript_length < 3000)
#With the trimmed data, draw a histogram and boxplot, and calculate summary statistics.
#create a histogram with lengths.subset
hist(sub_mrna$transcript_length)
```

Histogram of sub_mrna\$transcript_length



```
#create a boxplot with lengths.subset  
boxplot(sub_mrna$transcript_length)
```



```
#calculate summary statistics
summary(sub_mrna$transcript_length)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      54    604    993    1270    1866    2999
```

```
print("the data is left skewed, and majority of data points are at slight lower end of value range, whi
```

```
## [1] "the data is left skewed, and majority of data points are at slight lower end of value range, wh
```

```
#5. Use \textsf{R} to find out how many transcripts you have trimmed from the dataset. Hint: this might
```

```
remain <- nrow(coding.mrna) - nrow(sub_mrna)
remain
```

```
## [1] 18923
```

```
##6. Now with \texttt{transcript.sample}, calculate the number of transcripts in the dataset, the five-n
```

```
#One way of manipulating a large dataset is to take a random sample and construct numerical and graphic
```

```
#Using the \texttt{set.seed()} function allows for pseudo-random sampling; that is, a random sample tha
set.seed(3001)
```

```
sample.size = 0.1 * nrow(coding.mrna)
txn = sample(coding.mrna$transcript_length, size = sample.size)
```

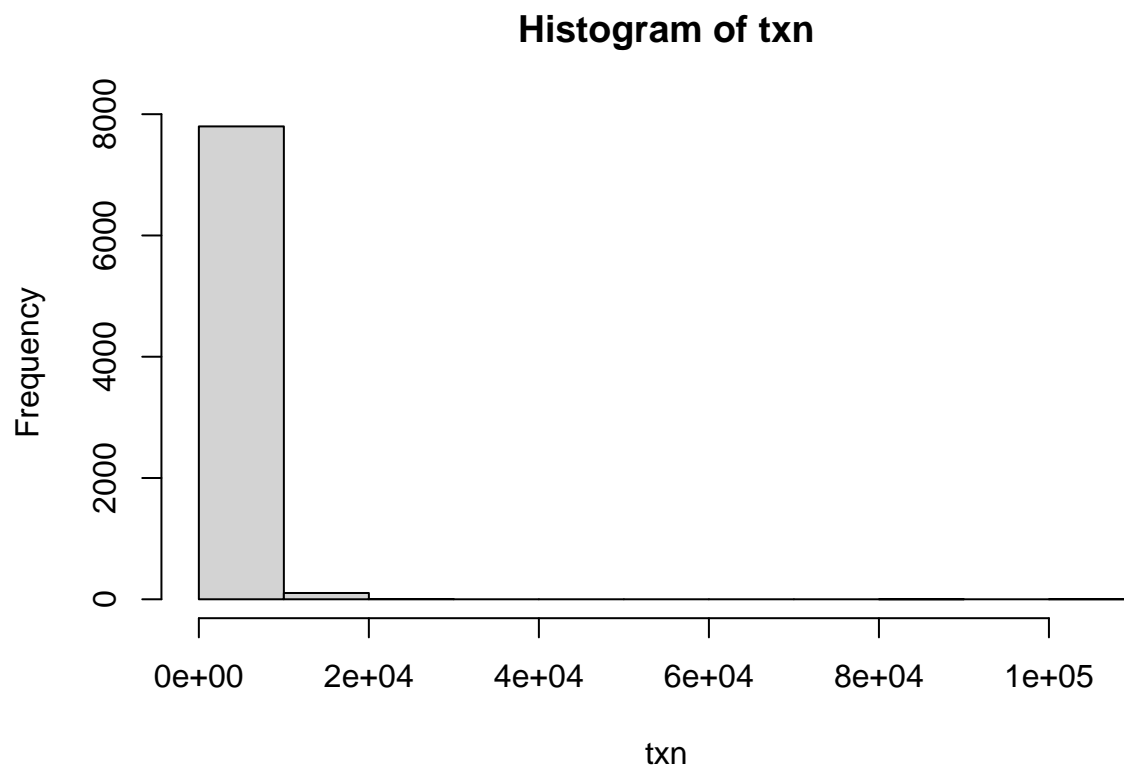
```
length(txn)
```

```
## [1] 7910
```

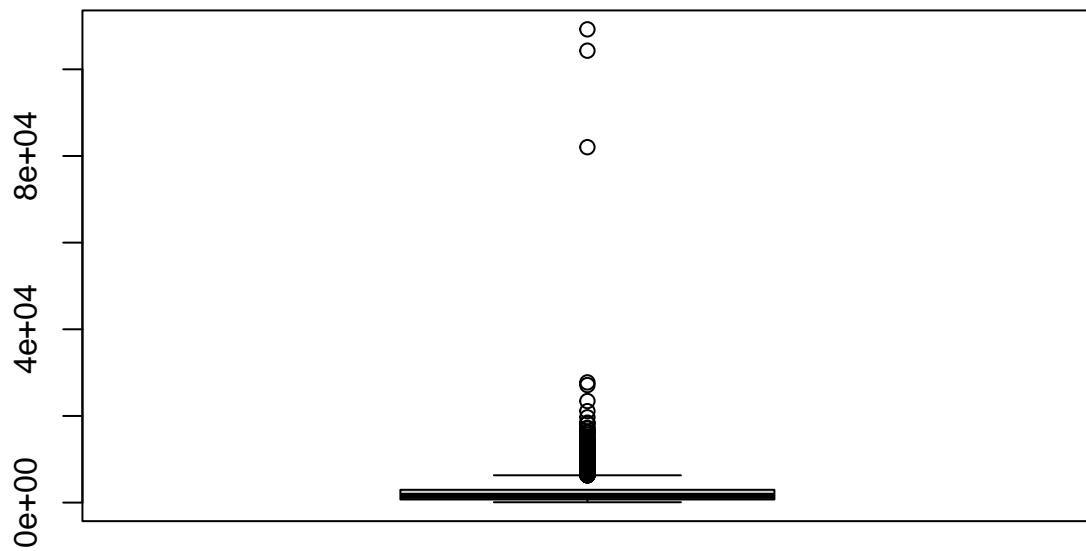
```
summary(txn)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##       84     719    1550    2286    2955   109224
```

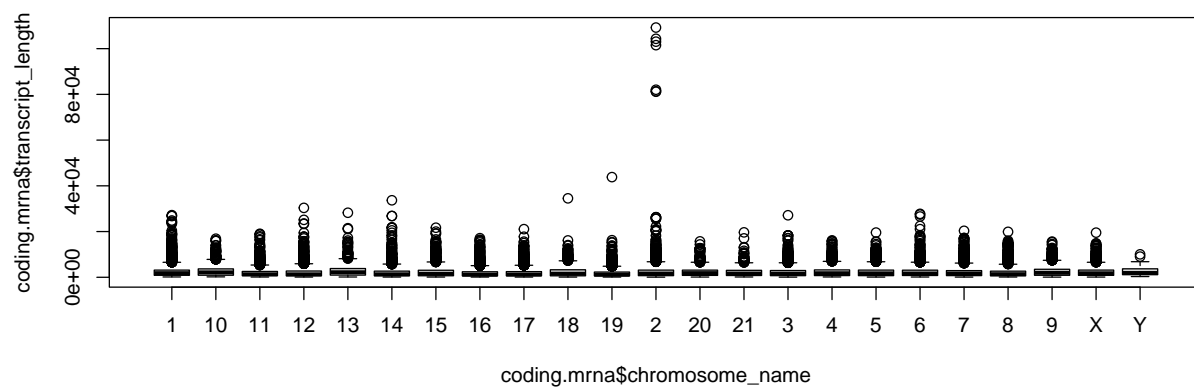
```
hist(txn)
```



```
boxplot(txn)
```



#7. Make side-by-side boxplots of transcript lengths by chromosome. Use the command:
`boxplot(coding.mrna$transcript_length ~ coding.mrna$chromosome_name)`



#8. Subset `coding.mrna` to only include values from chromosome 2. Repeat for the Y chromosome.

```
chr.2 = subset(coding.mrna, coding.mrna$chromosome_name == 2)
chr.Y = subset(coding.mrna, coding.mrna$chromosome_name == "Y")

nrow(chr.2)
```



```
## [1] 5294
```

```
nrow(chr.Y)
```

```
## [1] 135
```

```
print(" it is expected as main functional protein are encoded in somatic chromosome and Y chromosome is
```

```
## [1] " it is expected as main functional protein are encoded in somatic chromosome and Y chromosome is
```

```
### Section 3: NHANES.
```

```
#### Question 1.
```

```
#load the NHANES package and dataset
```

```
library(NHANES)
```

```
## Warning: package 'NHANES' was built under R version 4.3.3
```

```
data(NHANES)
```

```
#a) Describe in words the distribution of ages for the study participants.
```

```
summary(NHANES$Age)
```

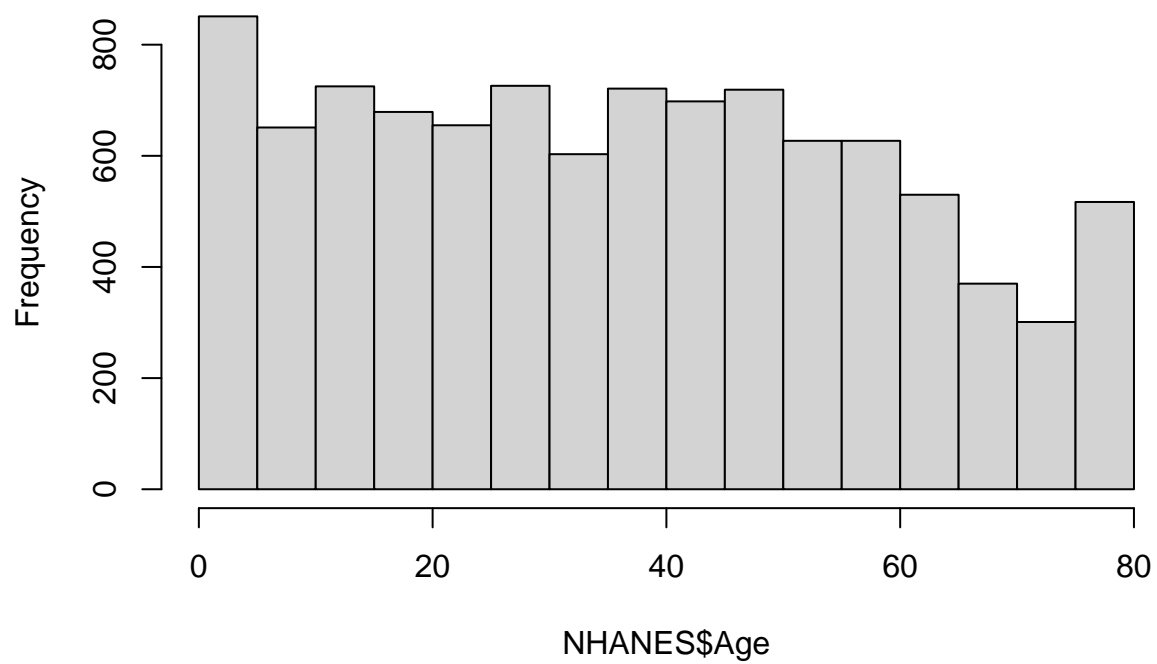
```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      0.00   17.00   36.00   36.74   54.00   80.00
```

```
print("the ages of participants are fairly normally distributed")
```

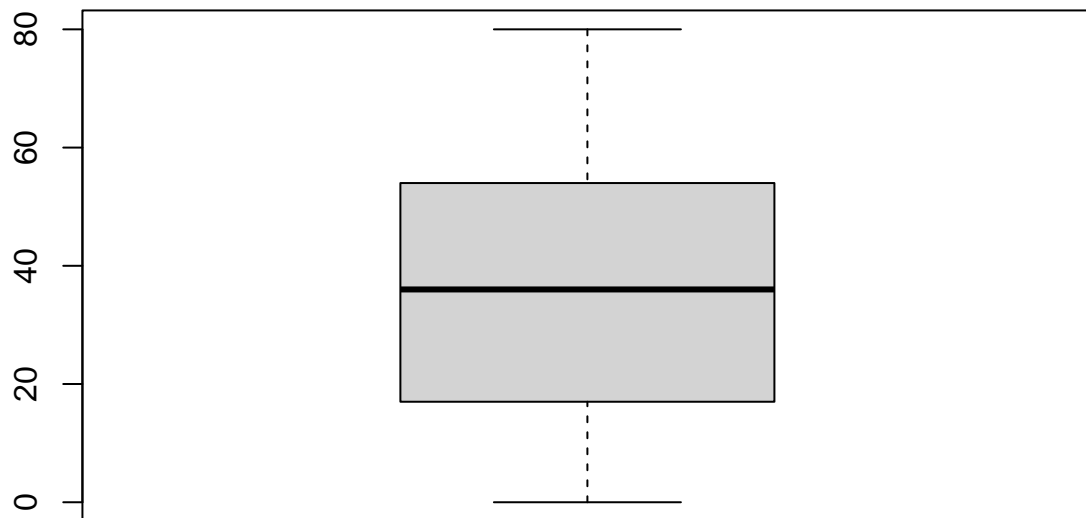
```
## [1] "the ages of participants are fairly normally distributed"
```

```
hist(NHANES$Age)
```

Histogram of NHANES\$Age



```
boxplot(NHANES$Age)
```

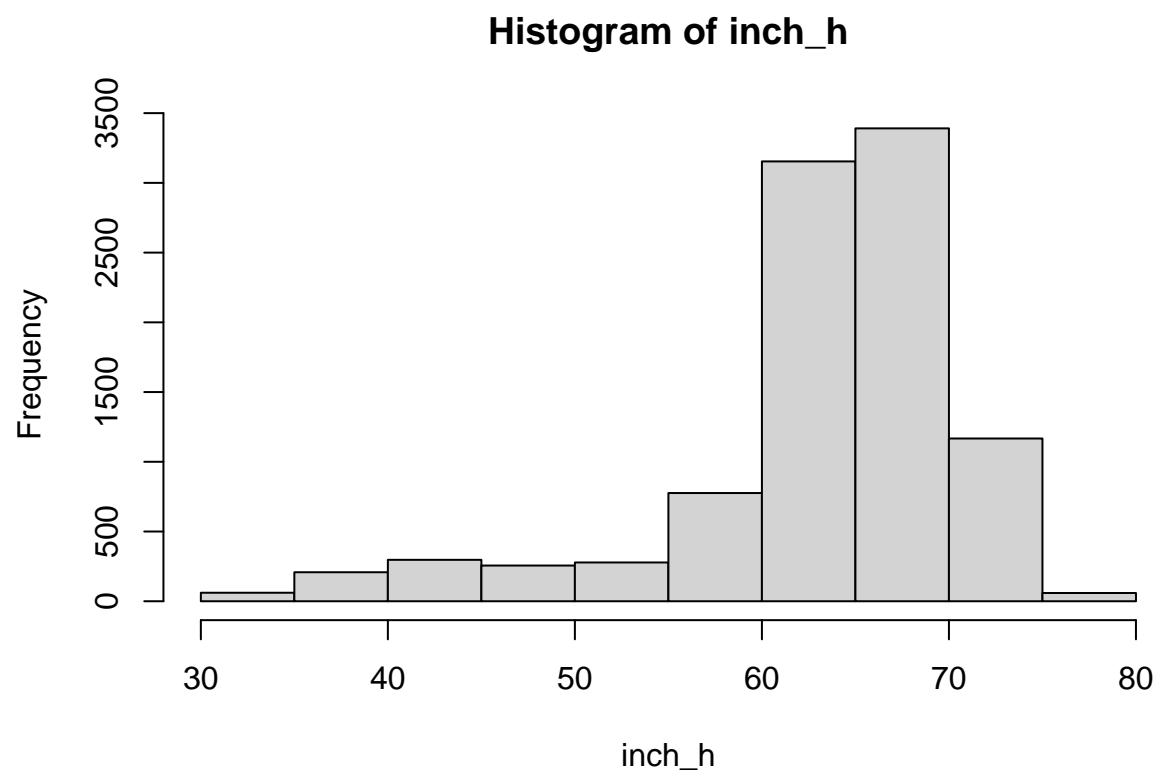


```
# b) Using numerical and graphical summaries, describe the distribution of heights among study participants
inch_h = NHANES$Height * 0.39
```

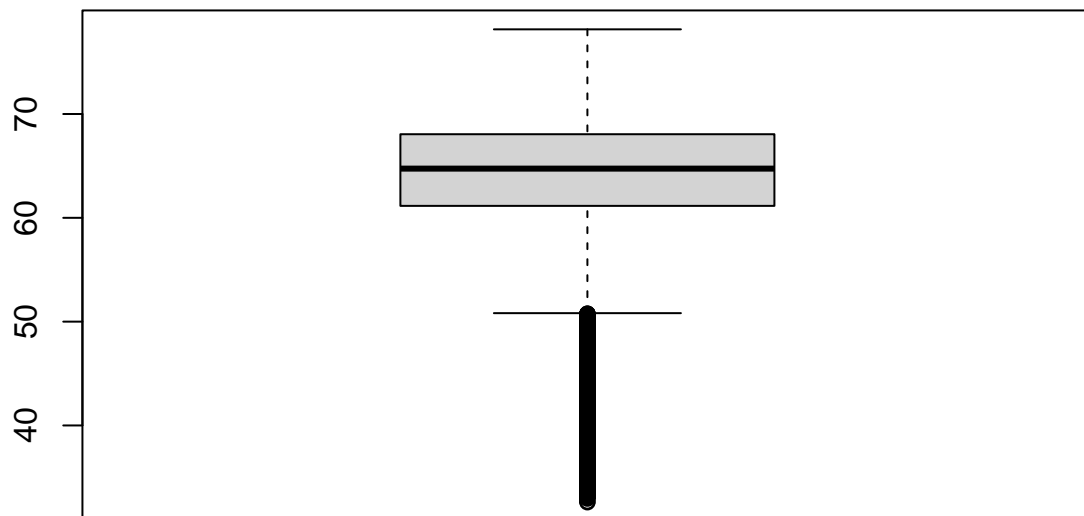
```
summary(inch_h)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   32.60  61.15   64.74   63.13  68.06   78.16   353
```

```
hist(inch_h)
```



```
boxplot(inch_h)
```

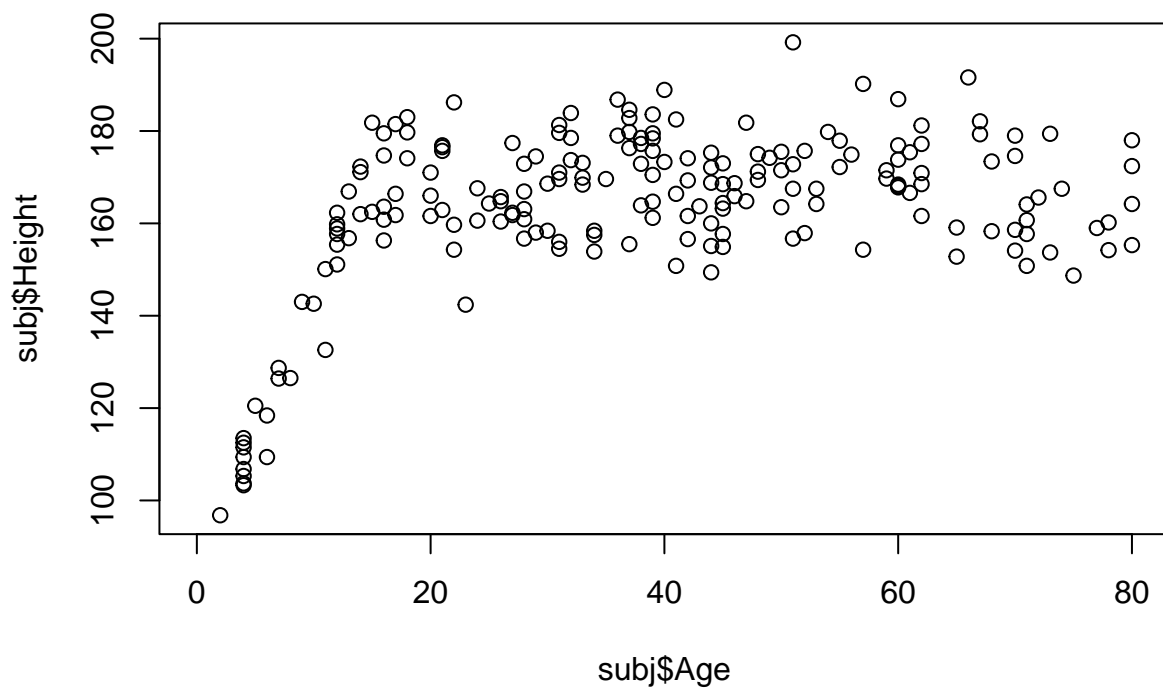


```
print("the distribution is right skewed, and there are more participants with height that is at the high end")
```

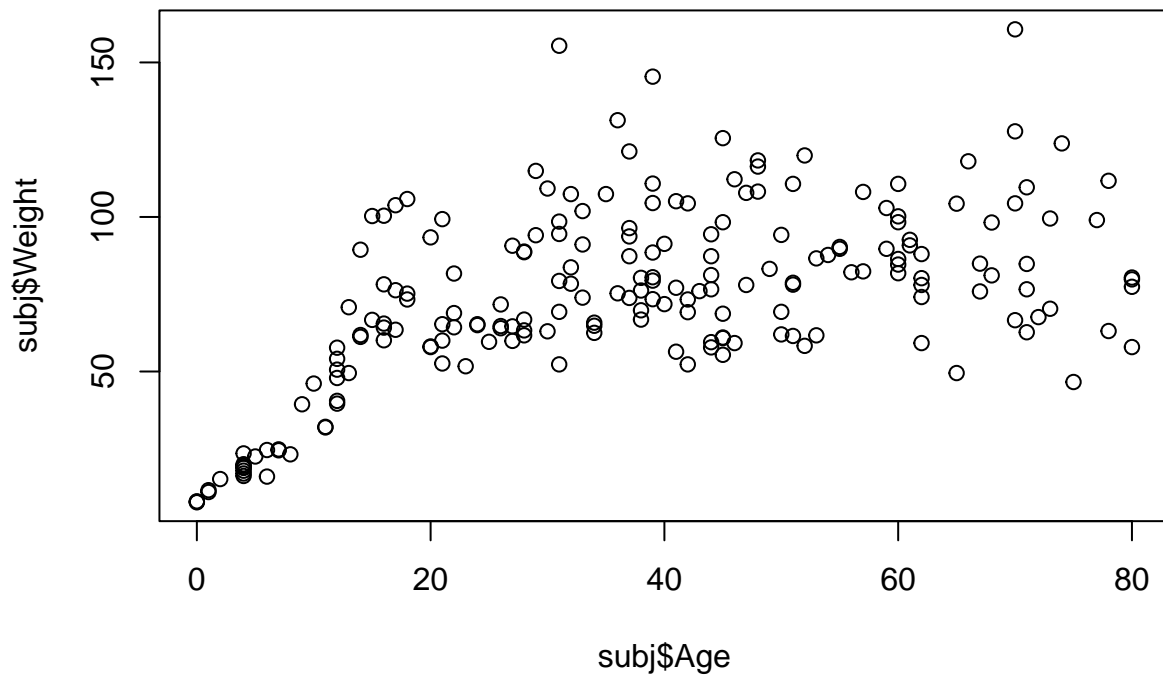
```
## [1] "the distribution is right skewed, and there are more participants with height that is at the high end"
```

```
# c) Use the following code to draw a random sample of 200 participants from the entire dataset. Using
```

```
set.seed(5011)
part_200 = sample(1:nrow(NHANES), 200)
subj = NHANES[part_200, ]
plot(subj$Age, subj$Height)
```



```
plot(subj$Age, subj$Weight)
```



```
print("people reach adult height around 15-20 years old, but weight can continue change due to personal
```

```
## [1] "people reach adult height around 15-20 years old, but weight can continue change due to personal
```

```
#### Question 2.
```

```
##What Proportion of Americans at least 25 years of age with a high school degree are high school gradu
```

```
#a) What proportion of Americans at least 25 years of age are college graduates?
```

```
adult = NHANES[NHANES$Age >= 25, ]
```

```
adult
```

##	ID	SurveyYr	Gender	Age	AgeDecade	AgeMonths	Race1	Race3
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##			Education	MaritalStatus		HHIncome	HHIncomeMid	Poverty	HomeRooms	
##	1		High School	Married	25000-34999		30000	1.36		6
##	2		High School	Married	25000-34999		30000	1.36		6
##	3		High School	Married	25000-34999		30000	1.36		6
##	5		Some College	LivePartner	35000-44999		40000	1.91		5
##	8		College Grad	Married	75000-99999		87500	5.00		6
##	9		College Grad	Married	75000-99999		87500	5.00		6
##	10		College Grad	Married	75000-99999		87500	5.00		6
##	11		Some College	Married	25000-34999		30000	2.20		5
##	12		College Grad	Divorced	more 99999		100000	5.00		10
##	13	9 - 11th Grade		Married	65000-74999		70000	2.20		6
##	15		High School	Married	75000-99999		87500	2.03		10
##	16		Some College	NeverMarried	15000-19999		17500	1.24		4
##	18		High School	Married	25000-34999		30000	1.27		11
##	19		High School	Married	15000-19999		17500	1.03		5
##	21		College Grad	Married	75000-99999		87500	5.00		10
##	22		College Grad	Married	75000-99999		87500	5.00		10
##	23		High School	Married	<NA>		NA	NA		9
##	24		College Grad	Divorced	55000-64999		60000	3.28		3
##	25		College Grad	Divorced	55000-64999		60000	3.28		3
##	26		Some College	Married	20000-24999		22500	1.15		6
##	28	9 - 11th Grade		Separated	65000-74999		70000	2.20		6
##	29	9 - 11th Grade		Married	35000-44999		40000	1.81		10
##	30	9 - 11th Grade		Married	35000-44999		40000	1.81		10
##	31		8th Grade	Widowed	10000-14999		12500	0.69		4
##	32		College Grad	Married	75000-99999		87500	5.00		4
##	33		8th Grade	Widowed	20000-24999		22500	1.37		4
##	34		8th Grade	Widowed	20000-24999		22500	1.37		4
##	35	9 - 11th Grade		Married	<NA>		NA	NA		10
##	36		College Grad	Married	65000-74999		70000	3.17		5
##	37		College Grad	Married	65000-74999		70000	3.17		5
##	45		Some College	LivePartner	25000-34999		30000	1.39		3
##	46		Some College	Married	75000-99999		87500	3.01		9
##	47		High School	NeverMarried	0-4999		2500	0.07		4
##	48		High School	Married	35000-44999		40000	2.18		5
##	49		High School	Married	more 99999		100000	5.00		6
##	54		College Grad	Married	more 99999		100000	3.97		8
##	55		8th Grade	NeverMarried	<NA>		NA	NA		1
##	56		8th Grade	Widowed	5000-9999		7500	0.70		4
##	58		High School	Married	<NA>		NA	NA		7
##	59		High School	Married	<NA>		NA	NA		7
##	60		High School	Married	<NA>		NA	NA		7
##	63	9 - 11th Grade		NeverMarried	<NA>		NA	0.72		4
##	64		8th Grade	Married	0-4999		2500	0.08		3
##	65		8th Grade	Married	0-4999		2500	0.08		3
##	66		College Grad	NeverMarried	10000-14999		12500	1.11		4
##	67		College Grad	NeverMarried	10000-14999		12500	1.11		4
##	68		College Grad	NeverMarried	10000-14999		12500	1.11		4
##	72		College Grad	Widowed	35000-44999		40000	2.57		12

## 73	College Grad	Widowed	35000-44999	40000	2.57	12
## 75	Some College	LivePartner	65000-74999	70000	3.17	7
## 76	8th Grade	Married	55000-64999	60000	3.11	6
## 77	8th Grade	Married	55000-64999	60000	3.11	6
## 78	8th Grade	Married	55000-64999	60000	3.11	6
## 79	High School	NeverMarried	<NA>	NA	NA	4
## 80	College Grad	Married	more 99999	100000	5.00	7
## 81	College Grad	Married	more 99999	100000	5.00	7
## 82	College Grad	Married	more 99999	100000	5.00	7
## 83	College Grad	Married	more 99999	100000	5.00	7
## 84	College Grad	Married	more 99999	100000	5.00	7
## 85	College Grad	Married	more 99999	100000	5.00	7
## 86	College Grad	Married	more 99999	100000	5.00	7
## 90	9 - 11th Grade	Married	15000-19999	17500	1.03	6
## 91	9 - 11th Grade	Married	15000-19999	17500	1.03	6
## 93	High School	NeverMarried	65000-74999	70000	2.31	4
## 94	College Grad	NeverMarried	more 99999	100000	5.00	6
## 95	9 - 11th Grade	Widowed	10000-14999	12500	0.28	7
## 96	High School	Married	65000-74999	70000	2.87	7
## 97	College Grad	Married	more 99999	100000	4.54	4
## 101	9 - 11th Grade	Married	65000-74999	70000	3.60	6
## 102	9 - 11th Grade	Married	20000-24999	22500	1.44	8
## 103	9 - 11th Grade	Married	20000-24999	22500	1.44	8
## 104	College Grad	Married	more 99999	100000	5.00	7
## 105	College Grad	Married	more 99999	100000	5.00	7
## 106	College Grad	Married	more 99999	100000	5.00	7
## 107	College Grad	Married	20000-24999	22500	1.07	9
## 108	College Grad	Married	20000-24999	22500	1.07	9
## 109	College Grad	Married	20000-24999	22500	1.07	9
## 111	High School	Married	35000-44999	40000	1.81	6
## 112	High School	Married	55000-64999	60000	2.33	12
## 113	High School	Married	55000-64999	60000	2.33	12
## 114	Some College	Divorced	<NA>	NA	NA	7
## 115	8th Grade	Married	10000-14999	12500	0.47	4
## 116	9 - 11th Grade	Widowed	more 99999	100000	5.00	11
## 117	College Grad	LivePartner	more 99999	100000	4.62	7
## 118	College Grad	LivePartner	more 99999	100000	4.62	7
## 119	College Grad	LivePartner	more 99999	100000	4.62	7
## 120	College Grad	LivePartner	more 99999	100000	4.62	7
## 121	High School	Married	65000-74999	70000	4.94	7
## 123	Some College	Divorced	15000-19999	17500	1.24	6
## 124	Some College	Separated	more 99999	100000	5.00	5
## 125	9 - 11th Grade	Married	20000-24999	22500	1.54	6
## 126	College Grad	Married	35000-44999	40000	2.80	8
## 127	9 - 11th Grade	Divorced	35000-44999	40000	1.91	4
## 128	9 - 11th Grade	Widowed	75000-99999	87500	5.00	11
## 130	College Grad	NeverMarried	15000-19999	17500	1.39	5
## 131	9 - 11th Grade	Married	55000-64999	60000	2.49	7
## 132	9 - 11th Grade	Married	55000-64999	60000	2.49	7
## 133	9 - 11th Grade	Married	55000-64999	60000	2.49	7
## 134	9 - 11th Grade	Married	25000-34999	30000	0.97	8
## 135	9 - 11th Grade	Married	25000-34999	30000	0.97	8
## 136	Some College	Married	75000-99999	87500	3.40	8
## 139	9 - 11th Grade	Married	75000-99999	87500	4.92	7

## 140	9 - 11th Grade	Married	75000-99999	87500	4.92	7
## 141	9 - 11th Grade	Married	0-4999	2500	0.17	5
## 142	Some College	Married	25000-34999	30000	1.42	4
## 143	Some College	Married	0-4999	2500	0.25	3
## 144	High School	NeverMarried	35000-44999	40000	3.69	5
## 145	College Grad	Married	75000-99999	87500	3.54	5
## 146	College Grad	Married	75000-99999	87500	3.54	5
## 147	Some College	Married	15000-19999	17500	0.82	8
## 148	Some College	Married	15000-19999	17500	0.82	8
## 149	9 - 11th Grade	Widowed	15000-19999	17500	0.09	3
## 150	College Grad	Married	35000-44999	40000	1.81	5
## 151	College Grad	Married	35000-44999	40000	1.81	5
## 152	High School	Married	more 99999	100000	5.00	6
## 155	College Grad	Married	65000-74999	70000	4.80	3
## 156	College Grad	Married	65000-74999	70000	4.80	3
## 157	College Grad	Married	65000-74999	70000	4.80	3
## 158	College Grad	Married	65000-74999	70000	4.80	3
## 159	8th Grade	LivePartner	25000-34999	30000	1.13	4
## 160	College Grad	Married	55000-64999	60000	3.98	4
## 162	Some College	Married	more 99999	100000	5.00	6
## 163	Some College	Married	more 99999	100000	5.00	6
## 164	College Grad	Widowed	45000-54999	50000	4.62	10
## 165	College Grad	Married	35000-44999	40000	1.36	5
## 167	8th Grade	Married	<NA>	NA	NA	5
## 168	College Grad	Married	more 99999	100000	4.54	8
## 169	College Grad	Married	more 99999	100000	4.54	8
## 170	9 - 11th Grade	Married	<NA>	NA	NA	5
## 171	Some College	Married	5000-9999	7500	0.30	5
## 172	College Grad	Married	75000-99999	87500	5.00	8
## 173	College Grad	Married	75000-99999	87500	5.00	8
## 175	8th Grade	Married	20000-24999	22500	0.00	6
## 176	8th Grade	Married	20000-24999	22500	0.00	6
## 179	High School	Married	35000-44999	40000	2.18	9
## 180	High School	Married	35000-44999	40000	2.18	9
## 181	Some College	Married	35000-44999	40000	1.59	9
## 182	Some College	Married	0-4999	2500	0.00	6
## 183	Some College	Married	0-4999	2500	0.00	6
## 184	9 - 11th Grade	Widowed	25000-34999	30000	2.77	7
## 185	9 - 11th Grade	Widowed	25000-34999	30000	2.77	7
## 187	College Grad	Married	more 99999	100000	5.00	8
## 188	College Grad	Married	more 99999	100000	5.00	8
## 189	College Grad	Married	<NA>	NA	NA	6
## 190	College Grad	Married	<NA>	NA	NA	6
## 192	Some College	NeverMarried	35000-44999	40000	3.97	4
## 193	Some College	NeverMarried	35000-44999	40000	3.97	4
## 194	College Grad	Married	45000-54999	50000	2.62	5
## 195	8th Grade	LivePartner	15000-19999	17500	0.51	5
## 197	Some College	Married	65000-74999	70000	4.46	8
## 198	Some College	Married	65000-74999	70000	4.46	8
## 199	8th Grade	Married	10000-14999	12500	0.45	4
## 201	Some College	Married	55000-64999	60000	3.44	7
## 204	Some College	Married	35000-44999	40000	2.57	5
## 205	College Grad	Married	more 99999	100000	5.00	9
## 206	College Grad	Married	more 99999	100000	5.00	5

## 207	9 - 11th Grade	Widowed	25000-34999	30000	2.31	7
## 209	College Grad	Divorced	75000-99999	87500	5.00	5
## 211	9 - 11th Grade	Married	20000-24999	22500	1.51	7
## 212	9 - 11th Grade	Married	25000-34999	30000	2.33	7
## 213	9 - 11th Grade	Married	25000-34999	30000	2.33	7
## 214	9 - 11th Grade	Married	25000-34999	30000	1.64	8
## 216	College Grad	LivePartner	<NA>	NA	NA	4
## 217	College Grad	LivePartner	<NA>	NA	NA	4
## 218	College Grad	Married	65000-74999	70000	4.67	7
## 219	College Grad	Married	65000-74999	70000	4.67	7
## 222	High School	Married	more 99999	100000	5.00	7
## 223	College Grad	Widowed	35000-44999	40000	3.69	5
## 225	College Grad	Married	more 99999	100000	5.00	6
## 226	College Grad	Married	more 99999	100000	5.00	6
## 228	College Grad	Married	<NA>	NA	NA	3
## 229	Some College	Married	75000-99999	87500	4.92	7
## 230	Some College	Married	75000-99999	87500	4.92	7
## 234	High School	Widowed	15000-19999	17500	1.67	6
## 235	Some College	Married	65000-74999	70000	2.20	6
## 236	9 - 11th Grade	LivePartner	10000-14999	12500	0.00	4
## 237	9 - 11th Grade	LivePartner	10000-14999	12500	0.00	4
## 239	Some College	Married	35000-44999	40000	1.72	8
## 240	Some College	Married	35000-44999	40000	1.72	8
## 241	Some College	Married	35000-44999	40000	1.72	8
## 242	9 - 11th Grade	Widowed	25000-34999	30000	1.29	4
## 243	9 - 11th Grade	Widowed	25000-34999	30000	1.29	4
## 244	9 - 11th Grade	Married	<NA>	NA	NA	5
## 245	9 - 11th Grade	Married	<NA>	NA	NA	5
## 247	Some College	Married	more 99999	100000	5.00	10
## 249	Some College	Married	55000-64999	60000	2.72	6
## 250	8th Grade	Married	more 99999	100000	5.00	7
## 251	8th Grade	Married	more 99999	100000	5.00	7
## 252	8th Grade	Married	more 99999	100000	5.00	7
## 253	College Grad	Married	65000-74999	70000	4.53	7
## 254	High School	Separated	45000-54999	50000	2.57	4
## 255	High School	Divorced	55000-64999	60000	5.00	6
## 256	High School	Divorced	55000-64999	60000	5.00	6
## 257	High School	Divorced	20000-24999	22500	2.12	3
## 258	Some College	Married	35000-44999	40000	1.59	4
## 259	Some College	Divorced	55000-64999	60000	5.00	5
## 260	9 - 11th Grade	Separated	<NA>	NA	NA	6
## 262	College Grad	Married	more 99999	100000	5.00	8
## 263	College Grad	Married	more 99999	100000	5.00	8
## 264	College Grad	Divorced	25000-34999	30000	1.53	9
## 265	College Grad	Married	<NA>	NA	NA	7
## 267	9 - 11th Grade	Married	35000-44999	40000	2.75	5
## 269	Some College	LivePartner	75000-99999	87500	3.49	9
## 270	Some College	LivePartner	75000-99999	87500	3.49	9
## 271	9 - 11th Grade	Married	45000-54999	50000	1.82	6
## 272	Some College	LivePartner	75000-99999	87500	4.92	7
## 274	Some College	Separated	55000-64999	60000	5.00	5
## 275	High School	Married	more 99999	100000	5.00	13
## 278	Some College	Married	75000-99999	87500	3.49	6
## 279	Some College	Married	75000-99999	87500	3.49	6

## 280	High School	Married	55000-64999	60000	4.12	7
## 282	Some College	Married	45000-54999	50000	3.43	7
## 283	Some College	Married	45000-54999	50000	3.43	7
## 284	High School	NeverMarried	25000-34999	30000	2.06	4
## 285	Some College	Married	<NA>	NA	NA	10
## 286	Some College	Married	<NA>	NA	NA	10
## 287	Some College	Married	<NA>	NA	NA	10
## 289	College Grad	Married	more 99999	100000	5.00	7
## 290	College Grad	Married	more 99999	100000	5.00	7
## 291	College Grad	Married	more 99999	100000	5.00	7
## 292	College Grad	Married	45000-54999	50000	2.27	6
## 293	College Grad	Married	45000-54999	50000	2.27	6
## 296	High School	Married	<NA>	NA	NA	6
## 297	College Grad	Married	more 99999	100000	5.00	9
## 298	Some College	Widowed	35000-44999	40000	3.88	9
## 299	Some College	Widowed	35000-44999	40000	3.88	9
## 300	Some College	Widowed	35000-44999	40000	3.88	9
## 301	Some College	Widowed	35000-44999	40000	3.88	9
## 303	9 - 11th Grade	Married	45000-54999	50000	3.23	11
## 304	9 - 11th Grade	Married	45000-54999	50000	3.23	11
## 306	Some College	Married	<NA>	NA	NA	9
## 307	Some College	Married	75000-99999	87500	3.02	9
## 308	Some College	Married	75000-99999	87500	3.02	9
## 309	9 - 11th Grade	Divorced	25000-34999	30000	1.29	8
## 310	9 - 11th Grade	Divorced	25000-34999	30000	1.29	8
## 311	Some College	NeverMarried	35000-44999	40000	0.28	5
## 312	College Grad	NeverMarried	45000-54999	50000	4.43	5
## 313	College Grad	NeverMarried	45000-54999	50000	4.43	5
## 315	8th Grade	Widowed	20000-24999	22500	1.20	5
## 316	8th Grade	Widowed	20000-24999	22500	1.20	5
## 317	High School	Married	15000-19999	17500	1.03	6
## 319	College Grad	NeverMarried	75000-99999	87500	5.00	3
## 320	9 - 11th Grade	Married	5000-9999	7500	0.39	6
## 321	Some College	NeverMarried	more 99999	100000	NA	6
## 322	Some College	NeverMarried	more 99999	100000	NA	6
## 324	High School	Widowed	45000-54999	50000	3.43	5
## 325	High School	Married	55000-64999	60000	3.22	4
## 326	Some College	Married	<NA>	NA	NA	9
## 327	High School	Married	75000-99999	87500	5.00	6
## 328	High School	Married	75000-99999	87500	5.00	6
## 332	Some College	Married	more 99999	100000	4.63	6
## 333	High School	Married	55000-64999	60000	3.77	8
## 334	Some College	NeverMarried	10000-14999	12500	1.29	5
## 335	College Grad	Married	more 99999	100000	5.00	7
## 336	College Grad	Married	more 99999	100000	5.00	7
## 337	College Grad	Married	more 99999	100000	5.00	7
## 342	9 - 11th Grade	Married	0-4999	2500	0.00	7
## 343	Some College	Divorced	55000-64999	60000	5.00	6
## 344	High School	Married	25000-34999	30000	1.45	7
## 345	High School	Married	45000-54999	50000	2.27	8
## 346	High School	Married	45000-54999	50000	2.27	8
## 348	Some College	Married	75000-99999	87500	5.00	4
## 349	Some College	Divorced	45000-54999	50000	2.73	7
## 350	Some College	Married	more 99999	100000	5.00	6

## 352	8th Grade	Widowed	45000-54999	50000	1.58	5
## 354	Some College	Married	<NA>	NA	NA	8
## 355	High School	Widowed	20000-24999	22500	1.85	3
## 358	Some College	Married	55000-64999	60000	4.26	6
## 359	8th Grade	Divorced	45000-54999	50000	2.73	3
## 360	8th Grade	Divorced	45000-54999	50000	2.73	3
## 361	College Grad	NeverMarried	<NA>	NA	0.00	6
## 364	Some College	Divorced	<NA>	NA	NA	7
## 366	College Grad	Married	65000-74999	70000	2.71	8
## 367	8th Grade	Widowed	25000-34999	30000	1.11	6
## 368	High School	Married	75000-99999	87500	4.08	8
## 369	Some College	Married	more 99999	100000	4.67	6
## 370	College Grad	Married	more 99999	100000	5.00	13
## 371	College Grad	Married	more 99999	100000	5.00	13
## 374	Some College	Divorced	45000-54999	50000	4.25	4
## 375	High School	Widowed	10000-14999	12500	0.79	8
## 376	8th Grade	LivePartner	0-4999	2500	0.00	3
## 377	Some College	NeverMarried	5000-9999	7500	0.65	3
## 378	Some College	Married	25000-34999	30000	1.99	8
## 380	9 - 11th Grade	LivePartner	more 99999	100000	0.00	7
## 381	Some College	Married	35000-44999	40000	2.40	6
## 382	Some College	Married	35000-44999	40000	2.40	6
## 383	Some College	Married	35000-44999	40000	2.40	6
## 384	Some College	NeverMarried	25000-34999	30000	3.14	4
## 385	9 - 11th Grade	Divorced	10000-14999	12500	0.92	4
## 387	Some College	Married	75000-99999	87500	3.49	5
## 388	Some College	Married	75000-99999	87500	3.49	5
## 389	9 - 11th Grade	Married	45000-54999	50000	1.10	4
## 390	High School	NeverMarried	20000-24999	22500	2.03	5
## 391	9 - 11th Grade	Widowed	55000-64999	60000	5.00	5
## 392	9 - 11th Grade	Widowed	55000-64999	60000	5.00	5
## 397	High School	Married	25000-34999	30000	1.16	6
## 398	High School	Married	more 99999	100000	5.00	11
## 399	High School	Married	more 99999	100000	5.00	11
## 400	High School	Married	more 99999	100000	5.00	11
## 401	Some College	Married	45000-54999	50000	3.50	5
## 404	9 - 11th Grade	Married	25000-34999	30000	2.20	7
## 405	9 - 11th Grade	Married	25000-34999	30000	2.20	7
## 406	9 - 11th Grade	Married	25000-34999	30000	2.20	7
## 408	College Grad	Divorced	35000-44999	40000	3.32	8
## 409	College Grad	Divorced	35000-44999	40000	3.32	8
## 410	High School	LivePartner	<NA>	NA	NA	5
## 415	Some College	Married	55000-64999	60000	2.83	8
## 416	Some College	Married	55000-64999	60000	2.83	8
## 417	Some College	Married	35000-44999	40000	1.95	5
## 418	Some College	Married	35000-44999	40000	1.95	5
## 419	Some College	Married	35000-44999	40000	1.95	5
## 425	8th Grade	LivePartner	25000-34999	30000	1.64	6
## 428	8th Grade	Married	10000-14999	12500	0.47	4
## 429	College Grad	Married	55000-64999	60000	4.12	7
## 430	College Grad	Married	55000-64999	60000	4.12	7
## 431	College Grad	Married	55000-64999	60000	4.12	7
## 432	College Grad	NeverMarried	<NA>	NA	NA	6
## 433	College Grad	NeverMarried	<NA>	NA	NA	6

## 434	High School	LivePartner	25000-34999	30000	1.01	6
## 436	Some College	Married	more 99999	100000	5.00	5
## 437	Some College	Married	more 99999	100000	5.00	5
## 438	Some College	Married	more 99999	100000	5.00	5
## 439	Some College	Married	more 99999	100000	5.00	5
## 440	8th Grade	Widowed	20000-24999	22500	1.31	9
## 441	College Grad	Married	more 99999	100000	5.00	7
## 444	9 - 11th Grade	Divorced	45000-54999	50000	0.32	7
## 445	College Grad	Married	65000-74999	70000	5.00	10
## 446	College Grad	Married	65000-74999	70000	5.00	10
## 450	High School	Married	more 99999	100000	4.65	10
## 451	High School	Married	more 99999	100000	4.65	10
## 452	High School	Married	45000-54999	50000	3.43	6
## 453	High School	Married	45000-54999	50000	3.43	6
## 454	College Grad	Married	more 99999	100000	5.00	7
## 455	9 - 11th Grade	Married	15000-19999	17500	1.24	4
## 458	College Grad	Married	more 99999	100000	5.00	6
## 459	College Grad	Married	more 99999	100000	5.00	6
## 460	High School	Married	75000-99999	87500	5.00	9
## 462	Some College	Married	45000-54999	50000	3.43	6
## 463	Some College	Married	45000-54999	50000	3.43	6
## 464	Some College	Married	45000-54999	50000	3.43	6
## 466	9 - 11th Grade	LivePartner	more 99999	100000	5.00	5
## 467	Some College	NeverMarried	45000-54999	50000	3.43	5
## 468	High School	LivePartner	20000-24999	22500	0.28	3
## 469	High School	NeverMarried	15000-19999	17500	1.39	4
## 470	9 - 11th Grade	Married	<NA>	NA	NA	NA
## 471	Some College	Divorced	35000-44999	40000	3.51	4
## 472	Some College	Divorced	35000-44999	40000	3.51	4
## 473	College Grad	Married	more 99999	100000	5.00	8
## 474	College Grad	Widowed	75000-99999	87500	5.00	5
## 475	College Grad	Widowed	75000-99999	87500	5.00	5
## 477	Some College	Married	more 99999	100000	5.00	10
## 478	College Grad	Married	more 99999	100000	5.00	9
## 479	College Grad	Married	more 99999	100000	5.00	9
## 480	High School	Married	35000-44999	40000	1.81	10
## 481	High School	Married	35000-44999	40000	1.81	10
## 482	College Grad	Married	more 99999	100000	5.00	7
## 483	College Grad	Married	more 99999	100000	5.00	7
## 484	High School	NeverMarried	5000-9999	7500	0.92	6
## 485	College Grad	NeverMarried	<NA>	NA	NA	6
## 487	9 - 11th Grade	Married	45000-54999	50000	3.43	5
## 488	Some College	NeverMarried	<NA>	NA	NA	5
## 489	Some College	Married	10000-14999	12500	0.65	6
## 490	Some College	Married	10000-14999	12500	0.65	6
## 491	High School	LivePartner	25000-34999	30000	0.83	5
## 492	High School	LivePartner	25000-34999	30000	0.83	5
## 494	High School	LivePartner	25000-34999	30000	1.18	3
## 495	High School	LivePartner	25000-34999	30000	1.18	3
## 497	9 - 11th Grade	Married	45000-54999	50000	1.35	6
## 498	High School	Widowed	25000-34999	30000	1.25	6
## 499	8th Grade	Married	35000-44999	40000	1.77	6
## 500	High School	Married	<NA>	NA	NA	9
## 501	High School	Married	<NA>	NA	NA	9

## 502	High School	Married	<NA>	NA	NA	9
## 503	High School	Married	<NA>	NA	NA	9
## 504	High School	Married	20000-24999	22500	1.65	6
## 511	High School	Married	5000-9999	7500	0.33	4
## 512	Some College	Married	75000-99999	87500	5.00	4
## 513	College Grad	Widowed	25000-34999	30000	2.20	8
## 514	Some College	Married	45000-54999	50000	3.43	6
## 515	<NA>	NeverMarried	10000-14999	12500	0.92	8
## 516	High School	Divorced	75000-99999	87500	5.00	7
## 519	High School	Widowed	15000-19999	17500	1.63	6
## 522	9 - 11th Grade	Widowed	0-4999	2500	0.23	3
## 523	College Grad	Married	75000-99999	87500	3.40	8
## 524	College Grad	Married	more 99999	100000	5.00	5
## 525	8th Grade	Married	<NA>	NA	1.44	5
## 526	8th Grade	Married	25000-34999	30000	1.08	5
## 527	College Grad	Married	more 99999	100000	5.00	9
## 528	High School	NeverMarried	<NA>	NA	1.37	4
## 529	High School	Married	45000-54999	50000	4.16	7
## 531	College Grad	Married	more 99999	100000	5.00	10
## 532	College Grad	Married	more 99999	100000	5.00	10
## 534	9 - 11th Grade	NeverMarried	75000-99999	87500	5.00	4
## 538	9 - 11th Grade	Divorced	10000-14999	12500	0.47	6
## 539	High School	Married	35000-44999	40000	2.18	6
## 540	High School	Married	35000-44999	40000	2.18	6
## 541	Some College	LivePartner	45000-54999	50000	3.60	3
## 542	College Grad	Married	75000-99999	87500	5.00	8
## 543	College Grad	Married	75000-99999	87500	5.00	8
## 544	High School	Divorced	35000-44999	40000	3.23	7
## 545	Some College	Married	25000-34999	30000	1.78	8
## 546	Some College	Married	25000-34999	30000	1.78	8
## 547	Some College	Divorced	75000-99999	87500	2.71	7
## 549	High School	Married	65000-74999	70000	4.80	5
## 550	High School	Married	55000-64999	60000	4.12	5
## 551	High School	Married	55000-64999	60000	4.12	5
## 552	8th Grade	LivePartner	55000-64999	60000	2.47	5
## 553	High School	Married	more 99999	100000	5.00	6
## 556	9 - 11th Grade	Married	55000-64999	60000	4.12	7
## 557	9 - 11th Grade	NeverMarried	<NA>	NA	NA	NA
## 558	9 - 11th Grade	Married	65000-74999	70000	3.55	5
## 559	9 - 11th Grade	Married	65000-74999	70000	3.55	5
## 560	High School	NeverMarried	25000-34999	30000	1.54	4
## 561	High School	Married	15000-19999	17500	0.82	4
## 563	College Grad	Married	more 99999	100000	5.00	7
## 565	Some College	Married	45000-54999	50000	3.43	10
## 566	Some College	Married	45000-54999	50000	3.43	10
## 567	Some College	Married	45000-54999	50000	3.43	10
## 568	College Grad	Married	65000-74999	70000	4.80	NA
## 569	College Grad	Married	65000-74999	70000	4.80	NA
## 570	College Grad	Married	65000-74999	70000	4.80	NA
## 572	College Grad	NeverMarried	75000-99999	87500	4.37	7
## 573	College Grad	NeverMarried	75000-99999	87500	4.37	7
## 574	College Grad	Married	more 99999	100000	5.00	5
## 576	Some College	Married	10000-14999	12500	0.76	8
## 580	High School	Divorced	25000-34999	30000	1.09	8

## 581	College Grad	Married	more 99999	100000	5.00	7
## 582	College Grad	Widowed	15000-19999	17500	1.44	5
## 585	8th Grade	Married	25000-34999	30000	1.45	4
## 586	8th Grade	Married	25000-34999	30000	1.45	4
## 587	High School	Separated	10000-14999	12500	0.59	5
## 590	Some College	Divorced	10000-14999	12500	1.11	4
## 593	College Grad	NeverMarried	<NA>	NA	1.85	9
## 594	Some College	Married	25000-34999	30000	1.92	8
## 595	Some College	Married	25000-34999	30000	1.92	8
## 596	Some College	Married	25000-34999	30000	1.92	8
## 597	High School	Widowed	20000-24999	22500	1.94	6
## 598	High School	Widowed	20000-24999	22500	1.94	6
## 599	College Grad	NeverMarried	25000-34999	30000	3.00	6
## 600	Some College	Married	45000-54999	50000	2.46	7
## 601	Some College	Married	45000-54999	50000	2.46	7
## 602	High School	NeverMarried	35000-44999	40000	3.23	5
## 603	High School	NeverMarried	35000-44999	40000	3.23	5
## 604	8th Grade	Married	15000-19999	17500	1.24	4
## 605	Some College	Married	75000-99999	87500	3.63	8
## 606	Some College	Married	75000-99999	87500	3.63	8
## 608	High School	LivePartner	<NA>	NA	NA	9
## 609	Some College	Married	35000-44999	40000	2.47	4
## 610	College Grad	Married	<NA>	NA	NA	6
## 612	9 - 11th Grade	LivePartner	<NA>	NA	0.44	4
## 614	College Grad	Separated	25000-34999	30000	1.72	5
## 615	High School	NeverMarried	35000-44999	40000	2.18	5
## 616	College Grad	Married	more 99999	100000	5.00	9
## 617	College Grad	Married	more 99999	100000	5.00	9
## 620	High School	Married	65000-74999	70000	3.55	5
## 625	College Grad	NeverMarried	20000-24999	22500	2.22	5
## 626	8th Grade	Married	<NA>	NA	NA	9
## 628	College Grad	NeverMarried	65000-74999	70000	5.00	3
## 629	College Grad	NeverMarried	65000-74999	70000	5.00	3
## 632	Some College	Married	75000-99999	87500	5.00	7
## 633	Some College	Married	75000-99999	87500	5.00	7
## 634	College Grad	Married	75000-99999	87500	5.00	9
## 637	Some College	Married	75000-99999	87500	4.92	7
## 638	Some College	Married	75000-99999	87500	4.92	7
## 640	High School	Married	45000-54999	50000	3.36	9
## 641	Some College	Married	more 99999	100000	5.00	6
## 642	Some College	Married	more 99999	100000	5.00	6
## 643	Some College	Married	more 99999	100000	5.00	6
## 646	Some College	NeverMarried	more 99999	100000	5.00	4
## 647	Some College	NeverMarried	more 99999	100000	5.00	4
## 648	Some College	NeverMarried	more 99999	100000	5.00	4
## 652	High School	Married	45000-54999	50000	2.04	6
## 653	College Grad	Married	more 99999	100000	5.00	8
## 654	College Grad	Married	more 99999	100000	5.00	8
## 655	College Grad	Married	more 99999	100000	5.00	8
## 656	Some College	Widowed	20000-24999	22500	1.85	5
## 657	College Grad	Married	more 99999	100000	5.00	8
## 658	College Grad	Married	more 99999	100000	5.00	8
## 659	Some College	Married	<NA>	NA	NA	11
## 660	Some College	Married	<NA>	NA	NA	11

## 661	Some College	Married	<NA>	NA	NA	11
## 662	Some College	Married	<NA>	NA	NA	11
## 663	Some College	Widowed	more 99999	100000	3.60	12
## 665	College Grad	LivePartner	55000-64999	60000	2.59	5
## 666	Some College	Married	more 99999	100000	5.00	7
## 672	College Grad	Divorced	more 99999	100000	5.00	8
## 675	College Grad	NeverMarried	more 99999	100000	5.00	8
## 676	College Grad	NeverMarried	more 99999	100000	5.00	8
## 677	8th Grade	Divorced	<NA>	NA	1.41	4
## 681	9 - 11th Grade	Separated	10000-14999	12500	0.28	5
## 682	College Grad	Married	more 99999	100000	5.00	7
## 683	College Grad	Married	more 99999	100000	5.00	7
## 685	Some College	Married	25000-34999	30000	1.36	6
## 686	Some College	Married	25000-34999	30000	1.36	6
## 695	College Grad	Married	<NA>	NA	NA	8
## 696	Some College	Married	20000-24999	22500	1.31	13
## 697	College Grad	Married	more 99999	100000	5.00	10
## 698	College Grad	Married	more 99999	100000	5.00	10
## 699	College Grad	Widowed	45000-54999	50000	2.89	5
## 700	College Grad	Widowed	45000-54999	50000	2.89	5
## 701	College Grad	Married	more 99999	100000	5.00	9
## 702	College Grad	Married	more 99999	100000	5.00	9
## 703	College Grad	Married	more 99999	100000	5.00	9
## 706	College Grad	NeverMarried	35000-44999	40000	3.32	4
## 707	Some College	LivePartner	<NA>	NA	5.00	5
## 710	High School	Widowed	more 99999	100000	5.00	13
## 712	Some College	Married	75000-99999	87500	4.37	6
## 713	Some College	Married	75000-99999	87500	4.37	6
## 714	9 - 11th Grade	NeverMarried	<NA>	NA	1.02	4
## 715	9 - 11th Grade	NeverMarried	0-4999	2500	0.05	6
## 716	8th Grade	Married	<NA>	NA	NA	6
## 717	College Grad	Widowed	more 99999	100000	5.00	8
## 719	College Grad	Married	more 99999	100000	5.00	10
## 720	College Grad	Married	more 99999	100000	5.00	10
## 721	College Grad	Married	more 99999	100000	5.00	10
## 722	College Grad	Married	more 99999	100000	5.00	10
## 723	9 - 11th Grade	Married	35000-44999	40000	2.75	5
## 724	College Grad	Married	more 99999	100000	5.00	9
## 725	High School	Married	more 99999	100000	5.00	5
## 726	9 - 11th Grade	Married	35000-44999	40000	2.81	4
## 727	9 - 11th Grade	Married	35000-44999	40000	2.81	4
## 728	9 - 11th Grade	Married	15000-19999	17500	0.49	5
## 731	Some College	Married	75000-99999	87500	3.63	8
## 732	College Grad	Married	more 99999	100000	5.00	9
## 733	College Grad	NeverMarried	45000-54999	50000	2.31	5
## 734	College Grad	NeverMarried	45000-54999	50000	2.31	5
## 739	High School	Married	more 99999	100000	5.00	10
## 740	College Grad	Married	65000-74999	70000	3.17	7
## 741	High School	Married	75000-99999	87500	3.74	5
## 743	High School	NeverMarried	<NA>	NA	NA	7
## 744	High School	NeverMarried	<NA>	NA	NA	7
## 745	Some College	NeverMarried	0-4999	2500	0.09	4
## 751	Some College	NeverMarried	<NA>	NA	1.51	6
## 752	High School	Separated	75000-99999	87500	3.84	6

## 753	High School	Separated	75000-99999	87500	3.84	6
## 756	Some College	Widowed	10000-14999	12500	1.25	7
## 757	Some College	Married	55000-64999	60000	2.17	5
## 760	9 - 11th Grade	Divorced	<NA>	NA	1.86	5
## 761	High School	Married	20000-24999	22500	0.91	4
## 764	College Grad	Married	more 99999	100000	5.00	12
## 766	8th Grade	Married	<NA>	NA	NA	7
## 767	College Grad	Married	more 99999	100000	5.00	6
## 769	Some College	Widowed	45000-54999	50000	2.43	5
## 772	8th Grade	Married	15000-19999	17500	0.51	4
## 774	High School	Married	35000-44999	40000	2.40	7
## 775	Some College	Married	<NA>	NA	NA	5
## 779	Some College	Married	more 99999	100000	5.00	6
## 780	High School	Separated	10000-14999	12500	0.47	4
## 781	Some College	LivePartner	more 99999	100000	5.00	6
## 782	Some College	LivePartner	more 99999	100000	5.00	6
## 783	Some College	Married	75000-99999	87500	5.00	7
## 786	High School	Married	<NA>	NA	NA	NA
## 787	High School	Married	<NA>	NA	NA	NA
## 788	Some College	Divorced	10000-14999	12500	0.76	5
## 791	High School	Married	35000-44999	40000	2.75	5
## 792	9 - 11th Grade	Married	45000-54999	50000	1.35	5
## 793	9 - 11th Grade	Married	45000-54999	50000	1.35	5
## 797	College Grad	Widowed	more 99999	100000	5.00	7
## 798	9 - 11th Grade	Separated	<NA>	NA	1.44	5
## 799	9 - 11th Grade	Separated	<NA>	NA	1.44	5
## 800	9 - 11th Grade	Married	45000-54999	50000	3.23	11
## 801	9 - 11th Grade	Married	45000-54999	50000	3.23	11
## 802	8th Grade	Married	45000-54999	50000	1.94	13
## 808	College Grad	Divorced	20000-24999	22500	1.85	9
## 809	9 - 11th Grade	Married	35000-44999	40000	1.01	7
## 813	Some College	Widowed	55000-64999	60000	3.91	8
## 814	Some College	Widowed	55000-64999	60000	3.91	8
## 815	Some College	Widowed	55000-64999	60000	3.91	8
## 816	Some College	Widowed	55000-64999	60000	3.91	8
## 818	9 - 11th Grade	Married	20000-24999	22500	0.91	6
## 819	High School	Married	20000-24999	22500	1.31	7
## 821	Some College	LivePartner	75000-99999	87500	5.00	4
## 822	Some College	LivePartner	75000-99999	87500	5.00	4
## 823	Some College	LivePartner	75000-99999	87500	5.00	4
## 827	9 - 11th Grade	Married	25000-34999	30000	1.23	5
## 828	Some College	Married	20000-24999	22500	1.37	5
## 832	High School	Married	more 99999	100000	5.00	6
## 833	High School	Married	more 99999	100000	5.00	6
## 834	College Grad	LivePartner	more 99999	100000	5.00	4
## 835	High School	Divorced	25000-34999	30000	1.75	4
## 836	High School	Divorced	25000-34999	30000	1.75	4
## 837	High School	Divorced	25000-34999	30000	1.75	4
## 839	College Grad	Married	45000-54999	50000	1.63	4
## 840	College Grad	Married	45000-54999	50000	1.63	4
## 842	College Grad	NeverMarried	75000-99999	87500	5.00	4
## 843	College Grad	NeverMarried	75000-99999	87500	5.00	4
## 844	College Grad	NeverMarried	75000-99999	87500	5.00	4
## 846	9 - 11th Grade	Married	65000-74999	70000	3.17	6

## 847	9 - 11th Grade	Married	65000-74999	70000	3.17	6
## 848	9 - 11th Grade	Married	65000-74999	70000	3.17	6
## 849	9 - 11th Grade	Married	65000-74999	70000	3.17	6
## 850	9 - 11th Grade	Married	65000-74999	70000	3.17	6
## 851	9 - 11th Grade	Widowed	10000-14999	12500	1.29	5
## 852	College Grad	Married	more 99999	100000	5.00	7
## 853	College Grad	Married	more 99999	100000	5.00	7
## 854	Some College	Married	75000-99999	87500	5.00	7
## 855	College Grad	Married	55000-64999	60000	4.12	7
## 856	High School	Married	35000-44999	40000	2.75	6
## 857	College Grad	LivePartner	75000-99999	87500	3.23	4
## 858	College Grad	LivePartner	75000-99999	87500	3.23	4
## 861	High School	Married	25000-34999	30000	1.18	8
## 863	High School	Married	45000-54999	50000	2.36	6
## 864	High School	Married	45000-54999	50000	2.36	6
## 865	High School	Married	45000-54999	50000	2.36	6
## 867	Some College	NeverMarried	more 99999	100000	5.00	8
## 868	Some College	Divorced	55000-64999	60000	2.13	6
## 869	Some College	Married	more 99999	100000	5.00	10
## 875	Some College	Divorced	more 99999	100000	3.23	8
## 876	Some College	Divorced	more 99999	100000	3.23	8
## 877	Some College	Divorced	more 99999	100000	3.23	8
## 878	College Grad	Married	more 99999	100000	5.00	9
## 879	College Grad	Married	more 99999	100000	5.00	9
## 880	College Grad	Married	more 99999	100000	5.00	13
## 881	College Grad	Married	more 99999	100000	5.00	13
## 882	8th Grade	Divorced	5000-9999	7500	0.83	4
## 884	High School	Married	55000-64999	60000	2.88	6
## 885	High School	Married	55000-64999	60000	2.88	6
## 886	High School	Married	55000-64999	60000	2.88	6
## 888	9 - 11th Grade	Divorced	5000-9999	7500	0.55	5
## 889	9 - 11th Grade	Divorced	5000-9999	7500	0.55	5
## 890	College Grad	Married	more 99999	100000	4.54	8
## 892	8th Grade	Married	15000-19999	17500	1.03	4
## 897	8th Grade	Married	<NA>	NA	NA	5
## 898	8th Grade	Married	<NA>	NA	NA	5
## 901	College Grad	Divorced	35000-44999	40000	3.23	6
## 902	9 - 11th Grade	Married	10000-14999	12500	0.96	5
## 905	High School	Married	45000-54999	50000	3.71	8
## 906	Some College	Married	more 99999	100000	5.00	11
## 907	Some College	Married	more 99999	100000	5.00	11
## 908	9 - 11th Grade	Married	more 99999	100000	5.00	7
## 909	9 - 11th Grade	Married	more 99999	100000	5.00	7
## 910	College Grad	LivePartner	<NA>	NA	NA	3
## 911	College Grad	Married	more 99999	100000	5.00	8
## 913	High School	Married	75000-99999	87500	4.08	6
## 914	High School	Married	75000-99999	87500	4.08	6
## 915	High School	Married	75000-99999	87500	4.08	6
## 916	High School	Married	75000-99999	87500	4.08	6
## 917	Some College	Divorced	75000-99999	87500	5.00	7
## 918	Some College	LivePartner	75000-99999	87500	1.85	7
## 919	High School	Widowed	45000-54999	50000	4.62	7
## 921	College Grad	Married	35000-44999	40000	1.55	6
## 922	College Grad	Married	35000-44999	40000	1.55	6

## 924	Some College	NeverMarried	35000-44999	40000	1.55	9
## 925	Some College	NeverMarried	35000-44999	40000	1.55	9
## 928	High School	Married	55000-64999	60000	2.49	4
## 929	High School	Married	75000-99999	87500	4.08	9
## 930	High School	Married	75000-99999	87500	4.08	9
## 931	High School	Married	75000-99999	87500	4.08	9
## 932	High School	Married	75000-99999	87500	4.08	9
## 933	High School	Married	65000-74999	70000	4.74	7
## 935	College Grad	Married	more 99999	100000	5.00	6
## 936	9 - 11th Grade	Married	25000-34999	30000	1.78	4
## 937	College Grad	Married	more 99999	100000	5.00	9
## 938	College Grad	Married	more 99999	100000	5.00	9
## 939	Some College	NeverMarried	45000-54999	50000	4.16	5
## 940	Some College	NeverMarried	45000-54999	50000	4.16	5
## 941	Some College	NeverMarried	45000-54999	50000	4.16	5
## 942	9 - 11th Grade	Divorced	55000-64999	60000	2.49	6
## 943	High School	Married	55000-64999	60000	3.98	7
## 944	High School	Married	55000-64999	60000	3.98	7
## 945	9 - 11th Grade	Married	5000-9999	7500	0.27	5
## 946	Some College	Married	more 99999	100000	5.00	10
## 947	Some College	Married	more 99999	100000	5.00	10
## 953	College Grad	Widowed	15000-19999	17500	0.66	5
## 954	College Grad	Married	more 99999	100000	5.00	9
## 955	College Grad	Married	more 99999	100000	5.00	9
## 957	High School	Married	25000-34999	30000	1.40	4
## 958	High School	Divorced	75000-99999	87500	5.00	8
## 959	College Grad	Married	more 99999	100000	4.54	6
## 960	Some College	Married	more 99999	100000	5.00	7
## 961	High School	Married	75000-99999	87500	4.42	5
## 962	8th Grade	Widowed	15000-19999	17500	1.48	4
## 963	College Grad	Married	45000-54999	50000	1.78	7
## 965	College Grad	Divorced	25000-34999	30000	2.95	9
## 966	College Grad	Divorced	25000-34999	30000	2.95	9
## 967	High School	Divorced	<NA>	NA	NA	7
## 968	High School	Divorced	<NA>	NA	NA	7
## 969	High School	Divorced	<NA>	NA	NA	7
## 970	8th Grade	Married	45000-54999	50000	1.69	6
## 971	High School	Widowed	10000-14999	12500	1.29	6
## 974	Some College	Married	more 99999	100000	4.63	6
## 976	9 - 11th Grade	Married	<NA>	NA	1.10	5
## 977	Some College	NeverMarried	35000-44999	40000	3.88	6
## 978	Some College	NeverMarried	35000-44999	40000	3.88	6
## 980	Some College	Divorced	5000-9999	7500	0.83	6
## 987	High School	Widowed	45000-54999	50000	4.99	6
## 988	High School	Married	75000-99999	87500	4.86	7
## 989	8th Grade	Married	25000-34999	30000	1.24	5
## 991	College Grad	Married	more 99999	100000	5.00	7
## 993	8th Grade	Widowed	25000-34999	30000	2.77	4
## 994	8th Grade	Widowed	25000-34999	30000	2.77	4
## 996	High School	Married	20000-24999	22500	1.09	6
## 998	College Grad	Married	55000-64999	60000	2.33	7
## 999	College Grad	Married	55000-64999	60000	2.33	7
## 1000	College Grad	Married	55000-64999	60000	2.33	7
## 1001	College Grad	Married	55000-64999	60000	2.33	7

## 1002	College Grad	Married	55000-64999	60000	2.33	7
## 1005	Some College	Married	more 99999	100000	4.54	7
## 1006	Some College	Married	more 99999	100000	4.54	7
## 1007	Some College	Married	more 99999	100000	4.54	7
## 1009	College Grad	Married	75000-99999	87500	5.00	7
## 1010	College Grad	Married	75000-99999	87500	5.00	7
## 1011	8th Grade	Married	15000-19999	17500	0.49	5
## 1013	College Grad	NeverMarried	<NA>	NA	5.00	5
## 1016	9 - 11th Grade	Divorced	20000-24999	22500	0.72	4
## 1017	High School	Separated	45000-54999	50000	3.43	5
## 1018	High School	Separated	45000-54999	50000	3.43	5
## 1019	High School	Separated	45000-54999	50000	3.43	5
## 1020	High School	Separated	45000-54999	50000	3.43	5
## 1023	High School	Married	45000-54999	50000	2.27	8
## 1024	Some College	Widowed	25000-34999	30000	2.77	6
## 1025	High School	Separated	35000-44999	40000	3.51	4
## 1026	9 - 11th Grade	Married	10000-14999	12500	0.76	3
## 1027	College Grad	Married	35000-44999	40000	1.81	4
## 1029	College Grad	Married	25000-34999	30000	1.36	5
## 1030	Some College	NeverMarried	more 99999	100000	4.65	6
## 1031	Some College	NeverMarried	more 99999	100000	4.65	6
## 1032	Some College	LivePartner	25000-34999	30000	0.78	6
## 1033	Some College	LivePartner	25000-34999	30000	0.78	6
## 1034	High School	Married	more 99999	100000	4.65	8
## 1035	High School	Married	more 99999	100000	4.65	8
## 1036	High School	Married	more 99999	100000	4.65	8
## 1037	Some College	Divorced	5000-9999	7500	0.74	3
## 1038	College Grad	NeverMarried	25000-34999	30000	3.14	5
## 1041	High School	Widowed	25000-34999	30000	2.81	4
## 1042	9 - 11th Grade	NeverMarried	more 99999	100000	5.00	7
## 1043	High School	Married	10000-14999	12500	0.75	6
## 1044	Some College	Widowed	0-4999	2500	0.05	6
## 1045	Some College	NeverMarried	45000-54999	50000	4.16	6
## 1046	9 - 11th Grade	Divorced	10000-14999	12500	0.66	4
## 1047	College Grad	Married	more 99999	100000	5.00	8
## 1048	College Grad	Married	more 99999	100000	5.00	8
## 1049	College Grad	Married	more 99999	100000	5.00	9
## 1050	College Grad	Married	more 99999	100000	5.00	8
## 1051	College Grad	Married	more 99999	100000	5.00	8
## 1052	College Grad	Married	75000-99999	87500	3.63	11
## 1053	College Grad	Married	75000-99999	87500	3.63	11
## 1056	9 - 11th Grade	LivePartner	20000-24999	22500	0.74	4
## 1058	Some College	Separated	20000-24999	22500	0.91	9
## 1059	High School	NeverMarried	<NA>	NA	NA	4
## 1060	High School	NeverMarried	<NA>	NA	NA	4
## 1063	Some College	NeverMarried	45000-54999	50000	2.73	6
## 1064	9 - 11th Grade	Separated	0-4999	2500	0.00	1
## 1065	9 - 11th Grade	Separated	0-4999	2500	0.00	1
## 1068	8th Grade	Married	0-4999	2500	0.25	3
## 1070	Some College	Widowed	45000-54999	50000	3.43	5
## 1072	Some College	Widowed	35000-44999	40000	3.60	5
## 1073	Some College	NeverMarried	more 99999	100000	5.00	6
## 1075	Some College	Married	35000-44999	40000	1.59	4
## 1076	Some College	Divorced	55000-64999	60000	5.00	6

## 1077	Some College	Divorced	55000-64999	60000	5.00	6
## 1078	High School	Married	35000-44999	40000	2.47	4
## 1079	High School	Married	35000-44999	40000	2.47	4
## 1082	9 - 11th Grade	Married	10000-14999	12500	0.54	6
## 1084	High School	Married	55000-64999	60000	3.50	7
## 1085	High School	Married	55000-64999	60000	3.50	7
## 1090	High School	Married	45000-54999	50000	2.27	7
## 1091	High School	Married	45000-54999	50000	2.27	7
## 1092	High School	NeverMarried	5000-9999	7500	0.71	5
## 1099	9 - 11th Grade	Married	25000-34999	30000	1.92	4
## 1100	High School	Married	75000-99999	87500	4.86	7
## 1101	High School	Married	75000-99999	87500	4.86	7
## 1102	High School	Divorced	35000-44999	40000	2.46	4
## 1103	Some College	NeverMarried	35000-44999	40000	3.69	3
## 1104	Some College	NeverMarried	35000-44999	40000	3.69	3
## 1105	Some College	NeverMarried	35000-44999	40000	3.69	3
## 1106	Some College	Married	more 99999	100000	5.00	8
## 1107	Some College	Married	more 99999	100000	5.00	7
## 1109	9 - 11th Grade	NeverMarried	5000-9999	7500	0.30	5
## 1110	9 - 11th Grade	NeverMarried	5000-9999	7500	0.30	5
## 1115	College Grad	NeverMarried	45000-54999	50000	4.80	4
## 1116	College Grad	NeverMarried	45000-54999	50000	4.80	4
## 1117	9 - 11th Grade	LivePartner	65000-74999	70000	3.55	3
## 1122	8th Grade	NeverMarried	5000-9999	7500	0.88	3
## 1124	High School	Married	65000-74999	70000	2.95	8
## 1126	High School	Married	<NA>	NA	NA	6
## 1127	High School	Married	<NA>	NA	NA	6
## 1128	High School	Married	<NA>	NA	NA	6
## 1129	Some College	Married	75000-99999	87500	4.37	8
## 1130	Some College	Married	75000-99999	87500	4.37	8
## 1131	High School	Married	45000-54999	50000	1.24	6
## 1132	Some College	Married	65000-74999	70000	4.94	5
## 1133	Some College	Married	65000-74999	70000	4.94	5
## 1134	College Grad	Married	<NA>	NA	NA	7
## 1135	9 - 11th Grade	Married	15000-19999	17500	0.86	4
## 1136	College Grad	Married	more 99999	100000	5.00	7
## 1137	Some College	Married	more 99999	100000	3.88	4
## 1138	Some College	Married	more 99999	100000	3.88	4
## 1141	College Grad	Divorced	75000-99999	87500	4.62	9
## 1145	Some College	Married	65000-74999	70000	2.95	6
## 1146	Some College	Married	65000-74999	70000	2.95	6
## 1147	Some College	Married	65000-74999	70000	2.95	6
## 1148	8th Grade	LivePartner	20000-24999	22500	0.60	7
## 1149	8th Grade	LivePartner	20000-24999	22500	0.60	7
## 1150	8th Grade	LivePartner	45000-54999	50000	1.29	3
## 1151	8th Grade	Married	<NA>	NA	NA	8
## 1155	Some College	Married	35000-44999	40000	1.81	6
## 1157	Some College	Married	75000-99999	87500	5.00	5
## 1158	9 - 11th Grade	Widowed	5000-9999	7500	0.83	3
## 1162	8th Grade	Married	35000-44999	40000	0.86	7
## 1163	8th Grade	Married	35000-44999	40000	0.86	7
## 1164	High School	LivePartner	55000-64999	60000	2.86	5
## 1165	High School	LivePartner	55000-64999	60000	2.86	5
## 1166	High School	LivePartner	55000-64999	60000	2.86	5

## 1167	Some College	Divorced	75000-99999	87500	2.71	7
## 1170	Some College	Married	55000-64999	60000	2.03	7
## 1171	High School	LivePartner	55000-64999	60000	2.86	5
## 1172	9 - 11th Grade	Married	45000-54999	50000	3.43	5
## 1173	High School	Married	75000-99999	87500	4.08	6
## 1176	Some College	Separated	45000-54999	50000	4.16	3
## 1177	Some College	Divorced	10000-14999	12500	0.54	10
## 1178	College Grad	Married	75000-99999	87500	3.49	6
## 1180	9 - 11th Grade	Married	15000-19999	17500	1.66	3
## 1181	9 - 11th Grade	Married	15000-19999	17500	1.66	3
## 1182	9 - 11th Grade	Married	15000-19999	17500	1.66	3
## 1183	College Grad	Married	more 99999	100000	5.00	7
## 1184	Some College	Married	more 99999	100000	2.25	9
## 1185	Some College	LivePartner	45000-54999	50000	2.15	3
## 1187	High School	Married	25000-34999	30000	2.16	6
## 1188	Some College	NeverMarried	65000-74999	70000	1.74	6
## 1190	Some College	NeverMarried	25000-34999	30000	0.00	6
## 1191	Some College	NeverMarried	25000-34999	30000	0.00	6
## 1192	Some College	Married	35000-44999	40000	2.47	6
## 1193	Some College	Married	55000-64999	60000	4.26	6
## 1194	High School	Married	45000-54999	50000	3.09	5
## 1195	College Grad	Divorced	25000-34999	30000	2.49	3
## 1200	College Grad	Married	more 99999	100000	5.00	10
## 1201	College Grad	Married	more 99999	100000	5.00	10
## 1202	Some College	Married	<NA>	NA	NA	8
## 1203	College Grad	Married	more 99999	100000	5.00	9
## 1208	College Grad	Married	35000-44999	40000	1.81	8
## 1211	9 - 11th Grade	Married	20000-24999	22500	0.75	4
## 1215	Some College	Married	more 99999	100000	5.00	12
## 1216	College Grad	NeverMarried	65000-74999	70000	5.00	6
## 1217	College Grad	Divorced	55000-64999	60000	3.98	5
## 1218	College Grad	Divorced	55000-64999	60000	3.98	5
## 1219	College Grad	Divorced	55000-64999	60000	3.98	5
## 1220	Some College	Married	75000-99999	87500	4.31	8
## 1221	High School	Married	more 99999	100000	5.00	7
## 1223	High School	Married	more 99999	100000	5.00	8
## 1224	High School	Married	35000-44999	40000	2.75	4
## 1225	Some College	Married	<NA>	NA	NA	6
## 1226	Some College	Married	<NA>	NA	NA	6
## 1227	9 - 11th Grade	Married	25000-34999	30000	1.85	6
## 1229	Some College	Married	45000-54999	50000	2.73	6
## 1230	9 - 11th Grade	Married	10000-14999	12500	0.82	5
## 1231	9 - 11th Grade	Married	10000-14999	12500	0.82	5
## 1232	Some College	Married	75000-99999	87500	3.01	3
## 1233	9 - 11th Grade	Married	75000-99999	87500	2.71	6
## 1234	9 - 11th Grade	Married	75000-99999	87500	2.71	6
## 1236	High School	Married	more 99999	100000	5.00	6
## 1237	High School	Married	more 99999	100000	5.00	6
## 1238	Some College	NeverMarried	25000-34999	30000	1.05	8
## 1239	College Grad	Married	more 99999	100000	5.00	8
## 1240	College Grad	Married	more 99999	100000	5.00	8
## 1241	College Grad	Married	more 99999	100000	5.00	8
## 1242	College Grad	Married	more 99999	100000	5.00	8
## 1243	College Grad	Married	more 99999	100000	5.00	8

## 1247	High School	Married	65000-74999	70000	4.80	6
## 1248	High School	Married	65000-74999	70000	4.80	6
## 1249	High School	Married	65000-74999	70000	4.80	6
## 1250	High School	Married	65000-74999	70000	4.80	6
## 1251	College Grad	Married	more 99999	100000	5.00	8
## 1252	College Grad	Married	more 99999	100000	5.00	8
## 1254	College Grad	LivePartner	75000-99999	87500	3.69	3
## 1256	College Grad	NeverMarried	45000-54999	50000	4.62	3
## 1259	Some College	Married	65000-74999	70000	2.71	10
## 1260	Some College	Married	75000-99999	87500	3.85	7
## 1261	High School	Married	75000-99999	87500	5.00	7
## 1262	High School	Married	75000-99999	87500	5.00	7
## 1265	High School	Married	75000-99999	87500	5.00	7
## 1266	High School	Married	75000-99999	87500	5.00	7
## 1268	High School	Widowed	<NA>	NA	NA	8
## 1269	High School	Widowed	<NA>	NA	NA	8
## 1270	High School	Widowed	<NA>	NA	NA	8
## 1276	8th Grade	NeverMarried	55000-64999	60000	3.50	7
## 1277	8th Grade	NeverMarried	55000-64999	60000	3.50	7
## 1278	8th Grade	NeverMarried	55000-64999	60000	3.50	7
## 1279	9 - 11th Grade	NeverMarried	<NA>	NA	NA	NA
## 1282	9 - 11th Grade	LivePartner	45000-54999	50000	2.73	3
## 1283	Some College	Married	65000-74999	70000	4.94	5
## 1284	Some College	Married	65000-74999	70000	4.94	5
## 1286	College Grad	NeverMarried	55000-64999	60000	5.00	2
## 1291	8th Grade	Married	45000-54999	50000	1.69	6
## 1292	Some College	Divorced	25000-34999	30000	1.39	5
## 1293	College Grad	Married	35000-44999	40000	1.59	10
## 1294	Some College	Married	65000-74999	70000	2.95	9
## 1295	Some College	Married	65000-74999	70000	2.95	9
## 1297	8th Grade	Separated	<NA>	NA	NA	3
## 1301	High School	NeverMarried	10000-14999	12500	0.92	4
## 1302	Some College	Married	75000-99999	87500	4.03	5
## 1304	College Grad	Married	more 99999	100000	4.51	8
## 1305	College Grad	Married	more 99999	100000	4.51	8
## 1306	College Grad	Married	more 99999	100000	4.51	8
## 1308	9 - 11th Grade	NeverMarried	20000-24999	22500	0.00	4
## 1314	College Grad	Married	75000-99999	87500	4.20	10
## 1319	Some College	NeverMarried	more 99999	100000	5.00	7
## 1322	High School	Married	35000-44999	40000	2.75	5
## 1323	High School	Married	35000-44999	40000	2.75	5
## 1326	Some College	Married	20000-24999	22500	0.78	9
## 1328	Some College	Separated	20000-24999	22500	1.65	4
## 1330	Some College	Divorced	more 99999	100000	5.00	5
## 1335	Some College	Divorced	10000-14999	12500	1.25	5
## 1340	High School	LivePartner	20000-24999	22500	1.31	5
## 1341	High School	LivePartner	20000-24999	22500	1.31	5
## 1342	High School	LivePartner	20000-24999	22500	1.31	5
## 1343	High School	LivePartner	20000-24999	22500	1.31	5
## 1344	9 - 11th Grade	Married	55000-64999	60000	2.63	9
## 1346	College Grad	Married	75000-99999	87500	3.80	11
## 1350	8th Grade	Married	10000-14999	12500	0.89	3
## 1351	College Grad	Married	more 99999	100000	3.97	8
## 1352	College Grad	Married	more 99999	100000	3.97	8

## 1353	8th Grade	Married	35000-44999	40000	2.08	4
## 1354	College Grad	Married	more 99999	100000	5.00	9
## 1355	Some College	Married	<NA>	NA	NA	12
## 1356	Some College	Married	<NA>	NA	NA	12
## 1357	Some College	Married	<NA>	NA	NA	12
## 1358	High School	Widowed	10000-14999	12500	0.66	6
## 1359	Some College	Divorced	15000-19999	17500	1.66	6
## 1360	High School	Divorced	15000-19999	17500	1.24	3
## 1361	Some College	Married	more 99999	100000	5.00	6
## 1362	Some College	Married	more 99999	100000	5.00	6
## 1363	Some College	Married	more 99999	100000	5.00	6
## 1364	High School	LivePartner	25000-34999	30000	0.72	4
## 1365	Some College	Divorced	more 99999	100000	5.00	7
## 1366	Some College	Married	<NA>	NA	NA	6
## 1367	Some College	Married	<NA>	NA	NA	6
## 1368	Some College	Married	<NA>	NA	NA	6
## 1369	8th Grade	Married	<NA>	NA	NA	NA
## 1370	9 - 11th Grade	LivePartner	25000-34999	30000	1.48	5
## 1371	9 - 11th Grade	LivePartner	25000-34999	30000	1.48	5
## 1372	9 - 11th Grade	LivePartner	25000-34999	30000	1.48	5
## 1373	8th Grade	Married	20000-24999	22500	0.78	6
## 1374	9 - 11th Grade	Divorced	65000-74999	70000	2.37	10
## 1375	Some College	Married	<NA>	NA	NA	13
## 1376	High School	NeverMarried	45000-54999	50000	2.27	7
## 1377	Some College	NeverMarried	15000-19999	17500	0.79	3
## 1378	Some College	NeverMarried	15000-19999	17500	0.79	3
## 1379	9 - 11th Grade	Married	75000-99999	87500	5.00	8
## 1380	9 - 11th Grade	Married	75000-99999	87500	5.00	8
## 1381	High School	LivePartner	55000-64999	60000	3.28	6
## 1382	High School	LivePartner	55000-64999	60000	3.28	6
## 1383	Some College	Married	65000-74999	70000	3.55	6
## 1384	Some College	Married	65000-74999	70000	3.55	6
## 1388	Some College	Married	15000-19999	17500	1.03	5
## 1389	College Grad	NeverMarried	0-4999	2500	0.28	3
## 1390	8th Grade	Married	<NA>	NA	NA	3
## 1391	Some College	NeverMarried	25000-34999	30000	1.13	7
## 1393	High School	Married	35000-44999	40000	1.72	8
## 1394	8th Grade	Married	20000-24999	22500	1.37	3
## 1395	8th Grade	Married	20000-24999	22500	1.37	3
## 1397	Some College	Married	35000-44999	40000	2.75	7
## 1398	Some College	Married	35000-44999	40000	2.75	7
## 1399	High School	Married	45000-54999	50000	2.62	5
## 1400	High School	Married	45000-54999	50000	2.62	5
## 1401	High School	Married	45000-54999	50000	2.62	5
## 1408	High School	Married	more 99999	100000	5.00	7
## 1409	High School	Married	more 99999	100000	5.00	7
## 1410	8th Grade	Married	25000-34999	30000	2.13	7
## 1411	8th Grade	Married	25000-34999	30000	2.13	7
## 1412	High School	LivePartner	5000-9999	7500	0.27	4
## 1414	Some College	Married	35000-44999	40000	1.81	8
## 1415	Some College	Married	35000-44999	40000	1.81	8
## 1416	High School	Married	65000-74999	70000	3.82	7
## 1417	Some College	Married	45000-54999	50000	3.43	7
## 1418	High School	Married	45000-54999	50000	3.50	4

## 1422	College Grad	Married	75000-99999	87500	5.00	5
## 1423	College Grad	Married	20000-24999	22500	0.93	9
## 1424	8th Grade	Married	25000-34999	30000	2.13	6
## 1425	8th Grade	Married	25000-34999	30000	2.13	6
## 1426	Some College	Divorced	5000-9999	7500	0.51	7
## 1427	Some College	Divorced	5000-9999	7500	0.51	7
## 1428	Some College	Married	<NA>	NA	NA	4
## 1429	Some College	NeverMarried	more 99999	100000	5.00	7
## 1430	Some College	NeverMarried	more 99999	100000	5.00	7
## 1431	Some College	NeverMarried	more 99999	100000	5.00	7
## 1435	Some College	Divorced	25000-34999	30000	2.31	2
## 1436	Some College	Married	75000-99999	87500	2.91	6
## 1438	College Grad	Divorced	35000-44999	40000	3.69	3
## 1441	9 - 11th Grade	Married	0-4999	2500	0.18	2
## 1444	College Grad	Married	more 99999	100000	5.00	8
## 1445	College Grad	Married	more 99999	100000	5.00	8
## 1446	9 - 11th Grade	NeverMarried	0-4999	2500	0.13	5
## 1448	Some College	Married	more 99999	100000	5.00	12
## 1449	Some College	LivePartner	15000-19999	17500	0.98	4
## 1450	Some College	Married	45000-54999	50000	3.43	10
## 1451	Some College	LivePartner	55000-64999	60000	3.00	5
## 1452	Some College	Married	25000-34999	30000	2.20	6
## 1453	9 - 11th Grade	Married	65000-74999	70000	2.56	5
## 1454	Some College	Married	15000-19999	17500	1.17	5
## 1455	Some College	NeverMarried	20000-24999	22500	2.03	4
## 1457	College Grad	Married	55000-64999	60000	2.33	9
## 1458	College Grad	Married	75000-99999	87500	3.54	13
## 1459	High School	Married	more 99999	100000	5.00	11
## 1460	High School	Married	more 99999	100000	5.00	11
## 1462	High School	Married	35000-44999	40000	1.20	7
## 1463	Some College	Married	75000-99999	87500	5.00	8
## 1464	Some College	Married	75000-99999	87500	5.00	8
## 1465	9 - 11th Grade	Married	45000-54999	50000	1.10	4
## 1466	High School	NeverMarried	25000-34999	30000	1.37	4
## 1472	College Grad	Married	55000-64999	60000	3.98	4
## 1473	College Grad	Married	55000-64999	60000	3.98	4
## 1475	College Grad	Married	65000-74999	70000	4.80	3
## 1476	College Grad	Married	more 99999	100000	5.00	7
## 1477	College Grad	Married	more 99999	100000	5.00	7
## 1478	Some College	Married	more 99999	100000	5.00	7
## 1479	Some College	Married	more 99999	100000	5.00	7
## 1480	8th Grade	Married	20000-24999	22500	0.68	6
## 1484	College Grad	NeverMarried	25000-34999	30000	1.34	5
## 1485	College Grad	Married	75000-99999	87500	5.00	7
## 1488	9 - 11th Grade	Divorced	55000-64999	60000	5.00	4
## 1489	9 - 11th Grade	Divorced	55000-64999	60000	5.00	4
## 1490	8th Grade	Married	more 99999	100000	5.00	5
## 1491	9 - 11th Grade	Divorced	55000-64999	60000	5.00	4
## 1492	9 - 11th Grade	NeverMarried	25000-34999	30000	1.12	7
## 1494	Some College	Divorced	25000-34999	30000	2.95	4
## 1495	College Grad	Married	more 99999	100000	5.00	10
## 1496	College Grad	Married	more 99999	100000	5.00	10
## 1497	High School	LivePartner	15000-19999	17500	0.98	6
## 1498	Some College	Married	75000-99999	87500	5.00	7

## 1500	9 - 11th Grade	Married	20000-24999	22500	1.37	5
## 1501	College Grad	Married	75000-99999	87500	4.92	7
## 1502	College Grad	NeverMarried	35000-44999	40000	3.69	9
## 1504	8th Grade	Widowed	15000-19999	17500	0.74	6
## 1505	High School	NeverMarried	5000-9999	7500	0.46	3
## 1511	College Grad	Married	35000-44999	40000	1.59	12
## 1517	Some College	Married	<NA>	NA	NA	7
## 1518	Some College	Separated	55000-64999	60000	5.00	4
## 1519	Some College	Separated	55000-64999	60000	5.00	4
## 1520	Some College	Separated	55000-64999	60000	5.00	4
## 1521	Some College	Separated	55000-64999	60000	5.00	4
## 1522	Some College	Divorced	25000-34999	30000	2.59	3
## 1523	Some College	Divorced	25000-34999	30000	2.59	3
## 1525	High School	Divorced	10000-14999	12500	1.12	2
## 1526	College Grad	Married	25000-34999	30000	1.12	3
## 1527	8th Grade	NeverMarried	<NA>	NA	NA	5
## 1528	Some College	Divorced	more 99999	100000	5.00	7
## 1529	High School	Married	25000-34999	30000	2.23	9
## 1530	High School	Married	25000-34999	30000	2.23	9
## 1532	9 - 11th Grade	Married	<NA>	NA	NA	7
## 1533	9 - 11th Grade	Divorced	35000-44999	40000	2.13	7
## 1534	9 - 11th Grade	Divorced	35000-44999	40000	2.13	7
## 1535	Some College	Married	more 99999	100000	5.00	13
## 1538	College Grad	Married	55000-64999	60000	2.33	7
## 1539	College Grad	Married	55000-64999	60000	2.33	7
## 1541	Some College	NeverMarried	25000-34999	30000	0.91	10
## 1542	Some College	NeverMarried	25000-34999	30000	0.91	10
## 1546	8th Grade	Married	15000-19999	17500	1.03	6
## 1547	College Grad	NeverMarried	75000-99999	87500	5.00	7
## 1548	College Grad	NeverMarried	75000-99999	87500	5.00	7
## 1549	College Grad	LivePartner	75000-99999	87500	3.88	3
## 1550	Some College	Divorced	25000-34999	30000	1.86	6
## 1552	High School	Married	10000-14999	12500	0.96	6
## 1553	High School	Married	10000-14999	12500	0.96	6
## 1554	High School	Married	10000-14999	12500	0.96	6
## 1559	Some College	Divorced	10000-14999	12500	0.92	4
## 1560	Some College	Widowed	75000-99999	87500	5.00	6
## 1562	9 - 11th Grade	Married	25000-34999	30000	1.16	2
## 1563	College Grad	Married	55000-64999	60000	3.98	6
## 1564	Some College	LivePartner	45000-54999	50000	3.88	5
## 1565	Some College	LivePartner	45000-54999	50000	3.88	5
## 1566	Some College	LivePartner	45000-54999	50000	3.88	5
## 1568	College Grad	Married	55000-64999	60000	2.04	5
## 1574	9 - 11th Grade	Divorced	5000-9999	7500	0.41	4
## 1575	Some College	Married	more 99999	100000	5.00	7
## 1580	Some College	Married	75000-99999	87500	5.00	8
## 1581	High School	Married	45000-54999	50000	3.43	6
## 1582	High School	Married	45000-54999	50000	3.43	6
## 1584	College Grad	Married	<NA>	NA	NA	8
## 1585	Some College	Divorced	75000-99999	87500	3.10	6
## 1587	9 - 11th Grade	Married	more 99999	100000	5.00	8
## 1589	College Grad	Married	75000-99999	87500	5.00	9
## 1590	High School	Married	20000-24999	22500	1.20	5
## 1591	Some College	Married	more 99999	100000	4.65	6

## 1592	Some College	Married	more 99999	100000	4.65	6
## 1593	College Grad	Married	75000-99999	87500	4.08	9
## 1594	College Grad	Married	75000-99999	87500	4.08	9
## 1595	College Grad	Married	75000-99999	87500	4.08	9
## 1597	Some College	Married	more 99999	100000	5.00	7
## 1598	Some College	Married	more 99999	100000	5.00	7
## 1599	Some College	Married	more 99999	100000	5.00	7
## 1601	College Grad	Married	45000-54999	50000	1.74	12
## 1604	9 - 11th Grade	Widowed	20000-24999	22500	1.07	9
## 1605	Some College	Divorced	75000-99999	87500	2.71	7
## 1606	College Grad	Divorced	more 99999	100000	5.00	6
## 1607	College Grad	Divorced	more 99999	100000	5.00	6
## 1608	College Grad	Divorced	more 99999	100000	5.00	6
## 1609	Some College	Widowed	55000-64999	60000	5.00	6
## 1610	Some College	Widowed	55000-64999	60000	5.00	6
## 1611	Some College	Widowed	55000-64999	60000	5.00	6
## 1617	8th Grade	Married	0-4999	2500	0.08	3
## 1620	High School	Married	45000-54999	50000	2.15	3
## 1621	Some College	Married	more 99999	100000	5.00	7
## 1625	High School	LivePartner	75000-99999	87500	3.69	4
## 1626	High School	LivePartner	75000-99999	87500	3.69	4
## 1627	High School	LivePartner	75000-99999	87500	3.69	4
## 1628	High School	LivePartner	75000-99999	87500	3.69	4
## 1629	Some College	Married	55000-64999	60000	4.12	7
## 1630	Some College	Married	55000-64999	60000	4.12	7
## 1631	High School	Married	35000-44999	40000	2.88	4
## 1632	High School	Married	35000-44999	40000	1.36	5
## 1633	High School	Married	35000-44999	40000	1.36	5
## 1634	High School	Married	35000-44999	40000	1.36	5
## 1639	9 - 11th Grade	Married	45000-54999	50000	3.43	11
## 1640	Some College	Married	more 99999	100000	5.00	9
## 1641	College Grad	Married	0-4999	2500	0.07	7
## 1644	High School	Married	65000-74999	70000	4.46	7
## 1645	High School	Married	65000-74999	70000	4.46	7
## 1646	High School	Married	65000-74999	70000	4.46	7
## 1647	College Grad	NeverMarried	65000-74999	70000	2.77	4
## 1648	Some College	Married	75000-99999	87500	5.00	7
## 1650	Some College	Divorced	25000-34999	30000	2.31	5
## 1651	Some College	Divorced	25000-34999	30000	2.31	5
## 1652	Some College	Divorced	25000-34999	30000	2.31	5
## 1653	College Grad	NeverMarried	35000-44999	40000	3.32	3
## 1654	College Grad	Married	more 99999	100000	4.27	11
## 1655	9 - 11th Grade	Married	20000-24999	22500	0.71	6
## 1656	9 - 11th Grade	Married	20000-24999	22500	0.71	6
## 1660	High School	Widowed	75000-99999	87500	5.00	6
## 1661	College Grad	NeverMarried	35000-44999	40000	0.92	5
## 1662	Some College	Divorced	20000-24999	22500	1.09	8
## 1663	College Grad	LivePartner	<NA>	NA	NA	4
## 1664	College Grad	LivePartner	<NA>	NA	NA	4
## 1676	College Grad	Married	<NA>	NA	NA	NA
## 1677	College Grad	Married	<NA>	NA	NA	NA
## 1678	Some College	Widowed	25000-34999	30000	2.77	6
## 1679	Some College	Widowed	25000-34999	30000	2.77	6
## 1681	8th Grade	Married	<NA>	NA	NA	NA

## 1683	Some College	Married	65000-74999	70000	3.08	5
## 1684	Some College	Married	65000-74999	70000	3.08	5
## 1685	High School	Divorced	25000-34999	30000	1.85	6
## 1688	High School	Married	<NA>	NA	NA	4
## 1689	Some College	NeverMarried	<NA>	NA	NA	8
## 1690	High School	Divorced	15000-19999	17500	0.87	7
## 1693	8th Grade	Widowed	5000-9999	7500	0.36	5
## 1694	8th Grade	Widowed	5000-9999	7500	0.36	5
## 1695	9 - 11th Grade	Married	65000-74999	70000	3.17	5
## 1699	College Grad	NeverMarried	<NA>	NA	2.15	8
## 1701	9 - 11th Grade	Married	25000-34999	30000	1.92	5
## 1702	9 - 11th Grade	Married	25000-34999	30000	1.92	5
## 1703	High School	NeverMarried	10000-14999	12500	0.39	4
## 1704	High School	Married	65000-74999	70000	4.67	6
## 1705	College Grad	Widowed	75000-99999	87500	5.00	6
## 1706	College Grad	Widowed	75000-99999	87500	5.00	6
## 1707	Some College	Divorced	35000-44999	40000	4.06	8
## 1708	College Grad	NeverMarried	55000-64999	60000	4.12	5
## 1709	Some College	Married	5000-9999	7500	0.31	3
## 1710	Some College	Married	5000-9999	7500	0.31	3
## 1711	College Grad	Married	75000-99999	87500	3.49	4
## 1712	College Grad	Married	75000-99999	87500	3.49	4
## 1713	College Grad	Married	75000-99999	87500	3.49	4
## 1714	College Grad	Married	75000-99999	87500	3.49	4
## 1716	High School	Married	55000-64999	60000	2.13	5
## 1717	Some College	NeverMarried	10000-14999	12500	1.20	1
## 1718	Some College	NeverMarried	10000-14999	12500	1.20	1
## 1723	Some College	Divorced	<NA>	NA	NA	5
## 1724	Some College	Divorced	25000-34999	30000	1.42	5
## 1725	Some College	Divorced	25000-34999	30000	1.42	5
## 1726	9 - 11th Grade	Married	55000-64999	60000	2.03	7
## 1727	Some College	Married	more 99999	100000	5.00	11
## 1733	College Grad	Married	75000-99999	87500	4.03	5
## 1734	College Grad	Married	75000-99999	87500	4.03	5
## 1735	High School	LivePartner	25000-34999	30000	0.74	7
## 1736	High School	LivePartner	25000-34999	30000	0.74	7
## 1746	8th Grade	Married	25000-34999	30000	1.22	5
## 1747	Some College	NeverMarried	<NA>	NA	2.77	4
## 1748	Some College	NeverMarried	<NA>	NA	2.77	4
## 1749	9 - 11th Grade	NeverMarried	15000-19999	17500	1.39	5
## 1750	9 - 11th Grade	Married	45000-54999	50000	1.35	6
## 1751	College Grad	Married	75000-99999	87500	4.23	7
## 1752	College Grad	Married	75000-99999	87500	4.23	7
## 1754	College Grad	LivePartner	75000-99999	87500	2.77	6
## 1755	College Grad	LivePartner	75000-99999	87500	2.77	6
## 1760	Some College	Married	more 99999	100000	5.00	9
## 1761	Some College	Married	more 99999	100000	5.00	9
## 1762	Some College	Married	more 99999	100000	5.00	9
## 1764	College Grad	Married	<NA>	NA	NA	5
## 1765	College Grad	Married	55000-64999	60000	2.33	9
## 1766	High School	NeverMarried	5000-9999	7500	0.65	5
## 1767	Some College	Married	more 99999	100000	5.00	8
## 1768	College Grad	Married	more 99999	100000	5.00	6
## 1769	8th Grade	NeverMarried	45000-54999	50000	2.12	7

## 1771	9 - 11th Grade	Married	<NA>	NA	NA	4
## 1774	High School	Widowed	20000-24999	22500	1.85	7
## 1775	College Grad	Married	more 99999	100000	4.51	8
## 1776	High School	Married	<NA>	NA	NA	8
## 1778	9 - 11th Grade	Married	25000-34999	30000	1.78	5
## 1780	Some College	NeverMarried	more 99999	100000	5.00	7
## 1781	Some College	NeverMarried	more 99999	100000	5.00	7
## 1782	9 - 11th Grade	Married	15000-19999	17500	0.68	5
## 1783	Some College	Divorced	25000-34999	30000	0.85	5
## 1785	College Grad	Married	more 99999	100000	3.39	10
## 1786	College Grad	Married	more 99999	100000	3.39	10
## 1787	High School	Widowed	10000-14999	12500	1.11	4
## 1788	High School	Widowed	10000-14999	12500	1.11	4
## 1789	College Grad	LivePartner	more 99999	100000	5.00	7
## 1790	College Grad	LivePartner	more 99999	100000	5.00	7
## 1791	Some College	Married	65000-74999	70000	3.82	7
## 1792	Some College	Married	65000-74999	70000	3.82	7
## 1793	Some College	Married	65000-74999	70000	3.82	7
## 1794	High School	Married	75000-99999	87500	4.37	8
## 1795	Some College	Married	more 99999	100000	5.00	10
## 1796	Some College	Married	more 99999	100000	5.00	10
## 1797	Some College	Married	more 99999	100000	5.00	10
## 1798	High School	Married	55000-64999	60000	3.28	10
## 1799	High School	Married	55000-64999	60000	3.28	10
## 1800	High School	Married	55000-64999	60000	3.28	10
## 1802	Some College	Married	20000-24999	22500	1.31	6
## 1803	Some College	Divorced	45000-54999	50000	4.30	7
## 1804	Some College	Divorced	45000-54999	50000	4.30	7
## 1806	Some College	LivePartner	10000-14999	12500	0.35	7
## 1807	High School	Widowed	20000-24999	22500	1.85	4
## 1809	High School	Married	45000-54999	50000	3.43	6
## 1810	College Grad	Married	75000-99999	87500	3.40	9
## 1811	College Grad	Married	75000-99999	87500	3.40	9
## 1812	College Grad	Married	75000-99999	87500	3.40	9
## 1814	9 - 11th Grade	NeverMarried	25000-34999	30000	1.42	4
## 1815	9 - 11th Grade	LivePartner	45000-54999	50000	2.09	5
## 1817	College Grad	Married	more 99999	100000	5.00	8
## 1818	College Grad	Married	more 99999	100000	5.00	8
## 1820	College Grad	Married	more 99999	100000	5.00	7
## 1821	College Grad	Married	more 99999	100000	5.00	7
## 1822	High School	Married	15000-19999	17500	1.07	4
## 1826	8th Grade	Married	55000-64999	60000	2.49	6
## 1827	8th Grade	Married	55000-64999	60000	2.49	6
## 1828	High School	Married	65000-74999	70000	3.08	9
## 1830	High School	NeverMarried	10000-14999	12500	1.20	5
## 1831	College Grad	Divorced	20000-24999	22500	1.26	5
## 1833	Some College	LivePartner	45000-54999	50000	2.18	6
## 1834	8th Grade	Divorced	<NA>	NA	NA	2
## 1835	Some College	Divorced	0-4999	2500	0.00	12
## 1836	College Grad	Married	15000-19999	17500	0.82	9
## 1837	8th Grade	Married	more 99999	100000	4.21	6
## 1838	College Grad	Married	75000-99999	87500	4.13	4
## 1839	High School	LivePartner	20000-24999	22500	1.09	3
## 1841	High School	NeverMarried	10000-14999	12500	0.69	6

## 1842	High School	NeverMarried	10000-14999	12500	0.69	6
## 1846	Some College	Married	55000-64999	60000	3.28	5
## 1849	High School	Married	65000-74999	70000	4.67	8
## 1852	College Grad	NeverMarried	45000-54999	50000	1.94	4
## 1853	High School	Married	15000-19999	17500	1.24	9
## 1854	Some College	Married	55000-64999	60000	4.26	6
## 1855	College Grad	Married	65000-74999	70000	3.08	5
## 1856	College Grad	Married	<NA>	NA	NA	4
## 1859	9 - 11th Grade	Widowed	5000-9999	7500	0.87	4
## 1860	College Grad	Divorced	more 99999	100000	5.00	9
## 1861	College Grad	Married	75000-99999	87500	5.00	8
## 1863	9 - 11th Grade	Divorced	35000-44999	40000	1.55	9
## 1864	9 - 11th Grade	Divorced	35000-44999	40000	1.55	9
## 1867	9 - 11th Grade	LivePartner	55000-64999	60000	3.23	4
## 1870	Some College	NeverMarried	20000-24999	22500	1.94	4
## 1871	8th Grade	Widowed	10000-14999	12500	1.29	6
## 1872	High School	Divorced	10000-14999	12500	1.11	4
## 1873	Some College	NeverMarried	20000-24999	22500	2.12	5
## 1877	High School	LivePartner	25000-34999	30000	1.32	5
## 1878	High School	Separated	<NA>	NA	NA	NA
## 1885	College Grad	Married	more 99999	100000	5.00	6
## 1887	9 - 11th Grade	NeverMarried	55000-64999	60000	2.49	6
## 1888	<NA>	Divorced	25000-34999	30000	1.39	5
## 1889	High School	Married	55000-64999	60000	2.72	5
## 1893	High School	LivePartner	10000-14999	12500	0.64	7
## 1894	Some College	Married	75000-99999	87500	2.71	6
## 1895	Some College	Married	75000-99999	87500	2.71	6
## 1896	9 - 11th Grade	Married	5000-9999	7500	0.84	3
## 1898	College Grad	Married	more 99999	100000	5.00	7
## 1899	College Grad	Married	more 99999	100000	5.00	7
## 1900	College Grad	Married	more 99999	100000	5.00	7
## 1901	College Grad	Married	35000-44999	40000	2.40	6
## 1902	College Grad	Married	35000-44999	40000	2.40	6
## 1903	College Grad	Married	35000-44999	40000	2.40	6
## 1905	Some College	LivePartner	more 99999	100000	4.62	7
## 1906	Some College	LivePartner	more 99999	100000	4.62	7
## 1907	Some College	LivePartner	more 99999	100000	4.62	7
## 1908	College Grad	Married	more 99999	100000	5.00	8
## 1909	High School	Married	20000-24999	22500	1.09	4
## 1910	College Grad	Married	more 99999	100000	5.00	6
## 1911	College Grad	Married	more 99999	100000	5.00	8
## 1913	Some College	NeverMarried	75000-99999	87500	5.00	5
## 1915	College Grad	Married	<NA>	NA	NA	7
## 1916	Some College	Married	more 99999	100000	4.54	7
## 1917	Some College	Married	more 99999	100000	4.54	7
## 1918	High School	Married	35000-44999	40000	1.93	5
## 1919	<NA>	Married	20000-24999	22500	1.31	7
## 1920	<NA>	Married	20000-24999	22500	1.31	7
## 1921	High School	NeverMarried	75000-99999	87500	4.10	6
## 1923	9 - 11th Grade	Separated	25000-34999	30000	1.02	6
## 1924	9 - 11th Grade	Separated	25000-34999	30000	1.02	6
## 1925	High School	Married	65000-74999	70000	2.71	6
## 1932	High School	NeverMarried	more 99999	100000	5.00	5
## 1933	College Grad	Married	more 99999	100000	5.00	8

##	1934	College Grad	Married	more 99999	100000	5.00	8		
##	1935	High School	Married	75000-99999	87500	4.10	6		
##	1936	High School	Married	20000-24999	22500	0.78	9		
##	1940	College Grad	Separated	0-4999	2500	0.07	5		
##	1941	Some College	NeverMarried	more 99999	100000	4.51	8		
##	1942	Some College	NeverMarried	more 99999	100000	4.51	8		
##	1944	College Grad	Married	more 99999	100000	5.00	9		
##	1945	Some College	Married	more 99999	100000	5.00	6		
##	1946	Some College	Married	more 99999	100000	5.00	6		
##	1947	Some College	Married	75000-99999	87500	5.00	6		
##	1954	8th Grade	Married	<NA>	NA	NA	5		
##	1955	8th Grade	Widowed	35000-44999	40000	1.55	11		
##	1957	Some College	Married	65000-74999	70000	4.46	7		
##	1958	Some College	Married	<NA>	NA	NA	7		
##	1959	High School	Widowed	more 99999	100000	3.97	8		
##	1960	9 - 11th Grade	Separated	20000-24999	22500	1.07	4		
##	1961	9 - 11th Grade	Separated	20000-24999	22500	1.07	4		
##	1962	9 - 11th Grade	Separated	20000-24999	22500	1.07	4		
##	1963	9 - 11th Grade	Separated	20000-24999	22500	1.07	4		
##	1965	High School	Married	75000-99999	87500	4.20	10		
##	1966	Some College	NeverMarried	35000-44999	40000	2.75	4		
##	1968	College Grad	Married	<NA>	NA	NA	7		
##	1969	College Grad	Married	<NA>	NA	NA	7		
##	1970	College Grad	Married	<NA>	NA	NA	7		
##	1974	College Grad	Married	65000-74999	70000	3.55	8		
##		HomeOwn	Work	Weight	Length	HeadCirc	Height	BMI	BMICatUnder20yrs
##	1	Own	NotWorking	87.4	NA	NA	164.7	32.22	<NA>
##	2	Own	NotWorking	87.4	NA	NA	164.7	32.22	<NA>
##	3	Own	NotWorking	87.4	NA	NA	164.7	32.22	<NA>
##	5	Rent	NotWorking	86.7	NA	NA	168.4	30.57	<NA>
##	8	Own	Working	75.7	NA	NA	166.7	27.24	<NA>
##	9	Own	Working	75.7	NA	NA	166.7	27.24	<NA>
##	10	Own	Working	75.7	NA	NA	166.7	27.24	<NA>
##	11	Own	NotWorking	68.0	NA	NA	169.5	23.67	<NA>
##	12	Rent	Working	78.4	NA	NA	181.9	23.69	<NA>
##	13	Rent	Working	74.7	NA	NA	169.4	26.03	<NA>
##	15	Rent	Looking	57.5	NA	NA	148.1	26.22	<NA>
##	16	Rent	Looking	84.1	NA	NA	177.8	26.60	<NA>
##	18	Own	Working	93.8	NA	NA	181.3	28.54	<NA>
##	19	Own	Working	74.6	NA	NA	169.9	25.84	<NA>
##	21	Own	NotWorking	57.5	NA	NA	170.7	19.73	<NA>
##	22	Own	NotWorking	57.5	NA	NA	170.7	19.73	<NA>
##	23	Own	Working	51.0	NA	NA	157.1	20.66	<NA>
##	24	Rent	NotWorking	113.9	NA	NA	177.1	36.32	<NA>
##	25	Rent	NotWorking	113.9	NA	NA	177.1	36.32	<NA>
##	26	Own	Working	117.3	NA	NA	180.9	35.84	<NA>
##	28	Rent	NotWorking	79.2	NA	NA	174.7	25.95	<NA>
##	29	Rent	Working	86.5	NA	NA	165.9	31.43	<NA>
##	30	Rent	Working	86.5	NA	NA	165.9	31.43	<NA>
##	31	Rent	NotWorking	62.8	NA	NA	152.0	27.18	<NA>
##	32	Own	Working	64.9	NA	NA	175.8	21.00	<NA>
##	33	Rent	NotWorking	54.3	NA	NA	145.1	25.79	<NA>
##	34	Rent	NotWorking	54.3	NA	NA	145.1	25.79	<NA>
##	35	Own	NotWorking	87.6	NA	NA	173.4	29.13	<NA>

## 36	Own	Working	82.1	NA	NA	163.8	30.60	<NA>
## 37	Own	Working	82.1	NA	NA	163.8	30.60	<NA>
## 45	Rent	Working	78.2	NA	NA	175.3	25.45	<NA>
## 46	Own	Working	50.7	NA	NA	154.8	21.16	<NA>
## 47	Rent	Working	134.3	NA	NA	169.6	46.69	<NA>
## 48	Rent	NotWorking	60.3	NA	NA	173.0	20.15	<NA>
## 49	Own	NotWorking	86.3	NA	NA	178.6	27.06	<NA>
## 54	Own	Working	84.6	NA	NA	182.0	25.54	<NA>
## 55	Rent	NotWorking	72.7	NA	NA	170.6	24.98	<NA>
## 56	Own	NotWorking	51.6	NA	NA	151.0	22.63	<NA>
## 58	Own	Working	106.0	NA	NA	167.2	37.92	<NA>
## 59	Own	Working	106.0	NA	NA	167.2	37.92	<NA>
## 60	Own	Working	106.0	NA	NA	167.2	37.92	<NA>
## 63	Rent	NotWorking	69.9	NA	NA	165.5	25.52	<NA>
## 64	Rent	Working	64.9	NA	NA	149.7	28.96	<NA>
## 65	Rent	Working	64.9	NA	NA	149.7	28.96	<NA>
## 66	Rent	Working	87.8	NA	NA	164.4	32.49	<NA>
## 67	Rent	Working	87.8	NA	NA	164.4	32.49	<NA>
## 68	Rent	Working	87.8	NA	NA	164.4	32.49	<NA>
## 72	Own	Working	67.8	NA	NA	154.3	28.48	<NA>
## 73	Own	Working	67.8	NA	NA	154.3	28.48	<NA>
## 75	Rent	Working	125.8	NA	NA	186.2	36.28	<NA>
## 76	Rent	Working	67.9	NA	NA	162.0	25.87	<NA>
## 77	Rent	Working	67.9	NA	NA	162.0	25.87	<NA>
## 78	Rent	Working	67.9	NA	NA	162.0	25.87	<NA>
## 79	Rent	Working	88.4	NA	NA	175.8	28.60	<NA>
## 80	Own	Working	53.9	NA	NA	160.1	21.03	<NA>
## 81	Own	Working	53.9	NA	NA	160.1	21.03	<NA>
## 82	Own	Working	53.9	NA	NA	160.1	21.03	<NA>
## 83	Own	Working	94.1	NA	NA	174.5	30.90	<NA>
## 84	Own	Working	94.1	NA	NA	174.5	30.90	<NA>
## 85	Own	Working	94.1	NA	NA	174.5	30.90	<NA>
## 86	Own	Working	94.1	NA	NA	174.5	30.90	<NA>
## 90	Own	NotWorking	66.9	NA	NA	156.7	27.25	<NA>
## 91	Own	NotWorking	66.9	NA	NA	156.7	27.25	<NA>
## 93	Rent	Working	85.2	NA	NA	169.0	29.83	<NA>
## 94	Other	Working	66.7	NA	NA	171.0	22.81	<NA>
## 95	Rent	NotWorking	94.0	NA	NA	179.2	29.27	<NA>
## 96	Own	NotWorking	51.4	NA	NA	169.6	17.87	<NA>
## 97	Rent	Working	58.8	NA	NA	169.8	20.39	<NA>
## 101	Own	NotWorking	95.5	NA	NA	167.5	34.04	<NA>
## 102	Own	NotWorking	68.9	NA	NA	155.2	28.60	<NA>
## 103	Own	NotWorking	68.9	NA	NA	155.2	28.60	<NA>
## 104	Own	Working	76.6	NA	NA	173.8	25.36	<NA>
## 105	Own	Working	76.6	NA	NA	173.8	25.36	<NA>
## 106	Own	Working	76.6	NA	NA	173.8	25.36	<NA>
## 107	Own	Working	78.9	NA	NA	174.5	25.91	<NA>
## 108	Own	Working	78.9	NA	NA	174.5	25.91	<NA>
## 109	Own	Working	78.9	NA	NA	174.5	25.91	<NA>
## 111	Own	Working	97.9	NA	NA	155.1	40.70	<NA>
## 112	Own	Working	136.3	NA	NA	185.0	39.82	<NA>
## 113	Own	Working	136.3	NA	NA	185.0	39.82	<NA>
## 114	Own	Working	91.1	NA	NA	176.9	29.11	<NA>
## 115	Own	NotWorking	60.0	NA	NA	148.2	27.32	<NA>

## 116	Own NotWorking	61.8	NA	NA	147.6	28.37	<NA>
## 117	Own Working	57.8	NA	NA	155.1	24.03	<NA>
## 118	Own Working	57.8	NA	NA	155.1	24.03	<NA>
## 119	Own Working	57.8	NA	NA	155.1	24.03	<NA>
## 120	Own Working	57.8	NA	NA	155.1	24.03	<NA>
## 121	Rent Working	82.8	NA	NA	168.0	29.34	<NA>
## 123	Own NotWorking	85.2	NA	NA	163.4	31.91	<NA>
## 124	Rent Working	92.3	NA	NA	181.8	27.93	<NA>
## 125	Own Working	75.2	NA	NA	150.6	33.16	<NA>
## 126	Own NotWorking	87.8	NA	NA	178.8	27.46	<NA>
## 127	Rent Working	87.2	NA	NA	171.5	29.65	<NA>
## 128	Own NotWorking	86.0	NA	NA	145.8	40.46	<NA>
## 130	Rent NotWorking	129.3	NA	NA	162.6	48.91	<NA>
## 131	Own Working	54.0	NA	NA	162.4	20.47	<NA>
## 132	Own Working	54.0	NA	NA	162.4	20.47	<NA>
## 133	Own Working	54.0	NA	NA	162.4	20.47	<NA>
## 134	Own NotWorking	72.0	NA	NA	157.7	28.95	<NA>
## 135	Own NotWorking	72.0	NA	NA	157.7	28.95	<NA>
## 136	Own Working	108.9	NA	NA	178.4	34.22	<NA>
## 139	Own Working	89.2	NA	NA	186.5	25.65	<NA>
## 140	Own Working	89.2	NA	NA	186.5	25.65	<NA>
## 141	Rent NotWorking	95.9	NA	NA	158.2	38.32	<NA>
## 142	Rent Working	86.6	NA	NA	179.2	26.97	<NA>
## 143	Rent NotWorking	50.9	NA	NA	156.6	20.76	<NA>
## 144	Own Working	95.3	NA	NA	163.1	35.82	<NA>
## 145	Own Working	100.3	NA	NA	165.2	36.75	<NA>
## 146	Own Working	100.3	NA	NA	165.2	36.75	<NA>
## 147	Own Working	76.6	NA	NA	172.8	25.65	<NA>
## 148	Own Working	76.6	NA	NA	172.8	25.65	<NA>
## 149	Rent NotWorking	78.1	NA	NA	150.0	34.71	<NA>
## 150	Own Working	69.6	NA	NA	154.0	29.35	<NA>
## 151	Own Working	69.6	NA	NA	154.0	29.35	<NA>
## 152	Own Working	62.0	NA	NA	166.0	22.50	<NA>
## 155	Rent Working	73.8	NA	NA	165.7	26.88	<NA>
## 156	Rent Working	73.8	NA	NA	165.7	26.88	<NA>
## 157	Rent Working	73.8	NA	NA	165.7	26.88	<NA>
## 158	Rent Working	73.8	NA	NA	165.7	26.88	<NA>
## 159	Rent Working	86.2	NA	NA	172.5	28.97	<NA>
## 160	Rent Working	75.2	NA	NA	172.7	25.21	<NA>
## 162	Own Working	77.1	NA	NA	181.4	23.43	<NA>
## 163	Own Working	77.1	NA	NA	181.4	23.43	<NA>
## 164	Own NotWorking	86.4	NA	NA	167.8	30.69	<NA>
## 165	Rent NotWorking	69.9	NA	NA	166.9	25.09	<NA>
## 167	Rent Working	98.1	NA	NA	160.4	38.13	<NA>
## 168	Own Working	96.6	NA	NA	178.8	30.22	<NA>
## 169	Own Working	96.6	NA	NA	178.8	30.22	<NA>
## 170	Own Working	71.8	NA	NA	158.7	28.51	<NA>
## 171	Own Looking	102.5	NA	NA	179.3	31.88	<NA>
## 172	Own NotWorking	88.3	NA	NA	178.3	27.78	<NA>
## 173	Own NotWorking	88.3	NA	NA	178.3	27.78	<NA>
## 175	Rent NotWorking	74.5	NA	NA	180.4	22.89	<NA>
## 176	Rent NotWorking	74.5	NA	NA	180.4	22.89	<NA>
## 179	Own NotWorking	87.7	NA	NA	162.4	33.25	<NA>
## 180	Own NotWorking	87.7	NA	NA	162.4	33.25	<NA>

## 181	Own	Working	82.5	NA	NA	169.2	28.82	<NA>
## 182	Rent	NotWorking	86.1	NA	NA	160.8	33.30	<NA>
## 183	Rent	NotWorking	86.1	NA	NA	160.8	33.30	<NA>
## 184	Own	NotWorking	66.6	NA	NA	159.5	26.18	<NA>
## 185	Own	NotWorking	66.6	NA	NA	159.5	26.18	<NA>
## 187	Own	Working	75.1	NA	NA	160.6	29.12	<NA>
## 188	Own	Working	75.1	NA	NA	160.6	29.12	<NA>
## 189	Own	Working	89.7	NA	NA	178.7	28.09	<NA>
## 190	Own	Working	89.7	NA	NA	178.7	28.09	<NA>
## 192	Rent	Working	108.9	NA	NA	175.8	35.24	<NA>
## 193	Rent	Working	108.9	NA	NA	175.8	35.24	<NA>
## 194	Rent	NotWorking	65.9	NA	NA	164.9	24.24	<NA>
## 195	Rent	NotWorking	91.9	NA	NA	163.7	34.29	<NA>
## 197	Own	NotWorking	90.3	NA	NA	169.9	31.28	<NA>
## 198	Own	NotWorking	90.3	NA	NA	169.9	31.28	<NA>
## 199	Rent	Working	57.6	NA	NA	158.9	22.81	<NA>
## 201	Own	NotWorking	91.0	NA	NA	173.2	30.34	<NA>
## 204	Own	Working	96.5	NA	NA	182.5	28.97	<NA>
## 205	Own	Working	62.3	NA	NA	173.1	20.79	<NA>
## 206	Own	Working	119.9	NA	NA	191.5	32.70	<NA>
## 207	Own	NotWorking	157.2	NA	NA	175.0	51.33	<NA>
## 209	Rent	Working	91.5	NA	NA	192.6	24.67	<NA>
## 211	Own	NotWorking	77.2	NA	NA	152.7	33.11	<NA>
## 212	Own	NotWorking	89.1	NA	NA	177.9	28.15	<NA>
## 213	Own	NotWorking	89.1	NA	NA	177.9	28.15	<NA>
## 214	Own	Working	82.5	NA	NA	158.8	32.72	<NA>
## 216	Rent	NotWorking	73.7	NA	NA	184.0	21.77	<NA>
## 217	Rent	NotWorking	73.7	NA	NA	184.0	21.77	<NA>
## 218	Own	NotWorking	101.8	NA	NA	179.0	31.77	<NA>
## 219	Own	NotWorking	101.8	NA	NA	179.0	31.77	<NA>
## 222	Own	NotWorking	60.4	NA	NA	161.8	23.07	<NA>
## 223	Own	NotWorking	55.4	NA	NA	161.3	21.29	<NA>
## 225	Own	Working	109.3	NA	NA	166.0	39.66	<NA>
## 226	Own	Working	109.3	NA	NA	166.0	39.66	<NA>
## 228	Rent	NotWorking	96.9	NA	NA	154.1	40.81	<NA>
## 229	Own	Working	100.6	NA	NA	182.3	30.27	<NA>
## 230	Own	Working	100.6	NA	NA	182.3	30.27	<NA>
## 234	Own	NotWorking	99.2	NA	NA	156.8	40.35	<NA>
## 235	Rent	Working	69.8	NA	NA	162.7	26.37	<NA>
## 236	Rent	Working	93.9	NA	NA	162.8	35.43	<NA>
## 237	Rent	Working	93.9	NA	NA	162.8	35.43	<NA>
## 239	Own	NotWorking	61.8	NA	NA	165.3	22.62	<NA>
## 240	Own	NotWorking	61.8	NA	NA	165.3	22.62	<NA>
## 241	Own	NotWorking	61.8	NA	NA	165.3	22.62	<NA>
## 242	Rent	NotWorking	57.7	NA	NA	151.7	25.07	<NA>
## 243	Rent	NotWorking	57.7	NA	NA	151.7	25.07	<NA>
## 244	Rent	NotWorking	102.4	NA	NA	159.1	40.45	<NA>
## 245	Rent	NotWorking	102.4	NA	NA	159.1	40.45	<NA>
## 247	Own	Working	104.0	NA	NA	179.3	32.35	<NA>
## 249	Own	NotWorking	69.9	NA	NA	155.6	28.87	<NA>
## 250	Own	Working	168.8	NA	NA	187.1	48.22	<NA>
## 251	Own	Working	168.8	NA	NA	187.1	48.22	<NA>
## 252	Own	Working	168.8	NA	NA	187.1	48.22	<NA>
## 253	Own	NotWorking	112.2	NA	NA	184.6	32.93	<NA>

## 254	Rent	Working	72.2	NA	NA	159.8	28.27	<NA>
## 255	Own	Working	113.9	NA	NA	176.0	36.77	<NA>
## 256	Own	Working	113.9	NA	NA	176.0	36.77	<NA>
## 257	Rent	Working	49.5	NA	NA	146.6	23.03	<NA>
## 258	Other	NotWorking	110.0	NA	NA	160.5	42.70	<NA>
## 259	Own	Working	92.9	NA	NA	180.1	28.64	<NA>
## 260	Own	NotWorking	97.4	NA	NA	167.2	34.84	<NA>
## 262	Own	Working	96.6	NA	NA	170.0	33.43	<NA>
## 263	Own	Working	96.6	NA	NA	170.0	33.43	<NA>
## 264	Own	Working	56.6	NA	NA	171.7	19.20	<NA>
## 265	Own	NotWorking	117.0	NA	NA	159.8	45.82	<NA>
## 267	Own	NotWorking	81.1	NA	NA	185.7	23.52	<NA>
## 269	Rent	Working	115.1	NA	NA	180.2	35.45	<NA>
## 270	Rent	Working	115.1	NA	NA	180.2	35.45	<NA>
## 271	Own	Working	93.4	NA	NA	165.4	34.14	<NA>
## 272	Own	NotWorking	58.0	NA	NA	166.5	20.92	<NA>
## 274	Own	Working	70.9	NA	NA	163.9	26.39	<NA>
## 275	Own	Working	90.6	NA	NA	174.2	29.86	<NA>
## 278	Own	Working	130.7	NA	NA	179.3	40.66	<NA>
## 279	Own	Working	130.7	NA	NA	179.3	40.66	<NA>
## 280	Own	NotWorking	69.4	NA	NA	169.8	24.07	<NA>
## 282	Own	NotWorking	50.7	NA	NA	158.3	20.23	<NA>
## 283	Own	NotWorking	50.7	NA	NA	158.3	20.23	<NA>
## 284	Other	Working	79.8	NA	NA	173.0	26.66	<NA>
## 285	Own	NotWorking	92.7	NA	NA	161.6	35.50	<NA>
## 286	Own	NotWorking	92.7	NA	NA	161.6	35.50	<NA>
## 287	Own	NotWorking	92.7	NA	NA	161.6	35.50	<NA>
## 289	Own	NotWorking	67.8	NA	NA	175.5	22.01	<NA>
## 290	Own	NotWorking	67.8	NA	NA	175.5	22.01	<NA>
## 291	Own	NotWorking	67.8	NA	NA	175.5	22.01	<NA>
## 292	Own	Working	102.8	NA	NA	173.3	34.23	<NA>
## 293	Own	Working	102.8	NA	NA	173.3	34.23	<NA>
## 296	Own	Working	75.3	NA	NA	169.3	26.27	<NA>
## 297	Own	Working	85.6	NA	NA	176.8	27.38	<NA>
## 298	Own	Working	112.0	NA	NA	163.7	41.79	<NA>
## 299	Own	Working	112.0	NA	NA	163.7	41.79	<NA>
## 300	Own	Working	112.0	NA	NA	163.7	41.79	<NA>
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## 303	Own	NotWorking	65.9	NA	NA	158.4	26.26	<NA>
## 304	Own	NotWorking	65.9	NA	NA	158.4	26.26	<NA>
## 306	Own	Working	81.7	NA	NA	163.4	30.60	<NA>
## 307	Own	Working	98.8	NA	NA	170.7	33.91	<NA>
## 308	Own	Working	98.8	NA	NA	170.7	33.91	<NA>
## 309	Rent	NotWorking	NA	NA	NA	NA	NA	<NA>
## 310	Rent	NotWorking	NA	NA	NA	NA	NA	<NA>
## 311	Rent	NotWorking	124.7	NA	NA	189.5	34.73	<NA>
## 312	Rent	Working	74.5	NA	NA	192.6	20.08	<NA>
## 313	Rent	Working	74.5	NA	NA	192.6	20.08	<NA>
## 315	Own	NotWorking	65.6	NA	NA	162.8	24.75	<NA>
## 316	Own	NotWorking	65.6	NA	NA	162.8	24.75	<NA>
## 317	Own	Looking	75.7	NA	NA	179.6	23.47	<NA>
## 319	Rent	Working	69.2	NA	NA	184.4	20.35	<NA>
## 320	Rent	NotWorking	NA	NA	NA	179.4	NA	<NA>
## 321	Own	Working	65.3	NA	NA	166.3	23.61	<NA>

## 322	Own	Working	65.3	NA	NA	166.3	23.61	<NA>
## 324	Rent	NotWorking	86.8	NA	NA	176.6	27.83	<NA>
## 325	Own	Working	74.5	NA	NA	173.5	24.75	<NA>
## 326	Own	NotWorking	49.3	NA	NA	156.1	20.23	<NA>
## 327	Own	Working	85.6	NA	NA	176.0	27.63	<NA>
## 328	Own	Working	85.6	NA	NA	176.0	27.63	<NA>
## 332	Own	Working	72.2	NA	NA	159.5	28.38	<NA>
## 333	Own	Working	78.0	NA	NA	171.7	26.46	<NA>
## 334	Rent	Working	69.8	NA	NA	175.1	22.77	<NA>
## 335	Own	Working	63.0	NA	NA	167.8	22.37	<NA>
## 336	Own	Working	63.0	NA	NA	167.8	22.37	<NA>
## 337	Own	Working	63.0	NA	NA	167.8	22.37	<NA>
## 342	Rent	NotWorking	84.3	NA	NA	167.0	30.23	<NA>
## 343	Own	NotWorking	66.9	NA	NA	163.4	25.06	<NA>
## 344	Own	NotWorking	56.4	NA	NA	164.2	20.92	<NA>
## 345	Own	Working	230.7	NA	NA	168.5	81.25	<NA>
## 346	Own	Working	230.7	NA	NA	168.5	81.25	<NA>
## 348	Rent	Working	116.9	NA	NA	189.0	32.73	<NA>
## 349	Own	Working	87.2	NA	NA	154.7	36.44	<NA>
## 350	Own	Working	49.1	NA	NA	148.9	22.15	<NA>
## 352	Own	NotWorking	93.9	NA	NA	165.0	34.49	<NA>
## 354	Own	Working	65.1	NA	NA	164.7	24.00	<NA>
## 355	Rent	NotWorking	71.5	NA	NA	166.6	25.76	<NA>
## 358	Own	Working	121.4	NA	NA	185.1	35.43	<NA>
## 359	Rent	Working	76.2	NA	NA	175.1	24.85	<NA>
## 360	Rent	Working	76.2	NA	NA	175.1	24.85	<NA>
## 361	Rent	NotWorking	65.5	NA	NA	165.6	23.88	<NA>
## 364	Own	Working	115.2	NA	NA	182.9	34.44	<NA>
## 366	Own	NotWorking	103.0	NA	NA	167.2	36.84	<NA>
## 367	Own	NotWorking	77.1	NA	NA	163.6	28.81	<NA>
## 368	Own	Working	79.6	NA	NA	179.7	24.65	<NA>
## 369	Own	Working	115.3	NA	NA	167.8	40.95	<NA>
## 370	Own	Working	71.7	NA	NA	164.0	26.66	<NA>
## 371	Own	Working	71.7	NA	NA	164.0	26.66	<NA>
## 374	Rent	Working	108.7	NA	NA	169.6	37.79	<NA>
## 375	Own	NotWorking	77.1	NA	NA	149.7	34.40	<NA>
## 376	Rent	Working	54.3	NA	NA	143.6	26.33	<NA>
## 377	Rent	NotWorking	95.0	NA	NA	173.6	31.52	<NA>
## 378	Own	NotWorking	NA	NA	NA	NA	NA	<NA>
## 380	Own	Working	67.9	NA	NA	161.9	25.90	<NA>
## 381	Own	Working	113.1	NA	NA	174.4	37.19	<NA>
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## 384	Rent	Working	72.7	NA	NA	183.6	21.57	<NA>
## 385	Rent	NotWorking	87.3	NA	NA	160.4	33.93	<NA>
## 387	Rent	Working	89.8	NA	NA	160.7	34.77	<NA>
## 388	Rent	Working	89.8	NA	NA	160.7	34.77	<NA>
## 389	Rent	Working	50.3	NA	NA	154.6	21.05	<NA>
## 390	Own	Working	96.2	NA	NA	149.4	43.10	<NA>
## 391	Own	NotWorking	87.3	NA	NA	172.4	29.37	<NA>
## 392	Own	NotWorking	87.3	NA	NA	172.4	29.37	<NA>
## 397	Own	NotWorking	66.9	NA	NA	168.1	23.68	<NA>
## 398	Own	Working	79.3	NA	NA	165.8	28.85	<NA>
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## 400	Own	Working	79.3	NA	NA	165.8	28.85	<NA>
## 401	Own	NotWorking	86.1	NA	NA	156.7	35.06	<NA>
## 404	Own	NotWorking	96.6	NA	NA	177.2	30.76	<NA>
## 405	Own	NotWorking	96.6	NA	NA	177.2	30.76	<NA>
## 406	Own	NotWorking	96.6	NA	NA	177.2	30.76	<NA>
## 408	Own	NotWorking	66.7	NA	NA	158.6	26.52	<NA>
## 409	Own	NotWorking	66.7	NA	NA	158.6	26.52	<NA>
## 410	Own	NotWorking	99.3	NA	NA	172.7	33.29	<NA>
## 415	Own	Working	84.1	NA	NA	178.9	26.28	<NA>
## 416	Own	Working	84.1	NA	NA	178.9	26.28	<NA>
## 417	Own	Working	43.7	NA	NA	148.1	19.92	<NA>
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## 425	Own	NotWorking	69.3	NA	NA	169.6	24.09	<NA>
## 428	Own	Working	86.6	NA	NA	160.3	33.70	<NA>
## 429	Own	NotWorking	50.4	NA	NA	155.1	20.95	<NA>
## 430	Own	NotWorking	50.4	NA	NA	155.1	20.95	<NA>
## 431	Own	NotWorking	50.4	NA	NA	155.1	20.95	<NA>
## 432	Own	Working	57.7	NA	NA	158.8	22.88	<NA>
## 433	Own	Working	57.7	NA	NA	158.8	22.88	<NA>
## 434	Own	Looking	71.8	NA	NA	170.2	24.79	<NA>
## 436	Own	Working	79.7	NA	NA	168.6	28.04	<NA>
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## 440	Own	NotWorking	82.9	NA	NA	151.4	36.17	<NA>
## 441	Own	NotWorking	69.3	NA	NA	163.5	25.92	<NA>
## 444	Rent	NotWorking	53.8	NA	NA	158.6	21.39	<NA>
## 445	Own	Working	67.3	NA	NA	161.7	25.74	<NA>
## 446	Own	Working	67.3	NA	NA	161.7	25.74	<NA>
## 450	Own	Working	82.6	NA	NA	180.0	25.49	<NA>
## 451	Own	Working	82.6	NA	NA	180.0	25.49	<NA>
## 452	Own	Working	101.0	NA	NA	156.5	41.24	<NA>
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## 454	Own	Working	93.5	NA	NA	173.9	30.92	<NA>
## 455	Rent	NotWorking	103.0	NA	NA	168.7	36.19	<NA>
## 458	Own	Working	77.1	NA	NA	164.0	28.67	<NA>
## 459	Own	Working	77.1	NA	NA	164.0	28.67	<NA>
## 460	Own	NotWorking	112.0	NA	NA	183.6	33.23	<NA>
## 462	Own	NotWorking	57.6	NA	NA	170.4	19.84	<NA>
## 463	Own	NotWorking	57.6	NA	NA	170.4	19.84	<NA>
## 464	Own	NotWorking	57.6	NA	NA	170.4	19.84	<NA>
## 466	Own	Looking	91.0	NA	NA	159.1	35.95	<NA>
## 467	Other	Working	56.5	NA	NA	170.6	19.41	<NA>
## 468	Rent	NotWorking	87.3	NA	NA	178.4	27.43	<NA>
## 469	Rent	NotWorking	63.3	NA	NA	175.8	20.48	<NA>
## 470	<NA>	NotWorking	55.7	NA	NA	159.8	21.81	<NA>
## 471	Rent	Working	97.3	NA	NA	183.8	28.80	<NA>
## 472	Rent	Working	97.3	NA	NA	183.8	28.80	<NA>
## 473	Own	Working	134.7	NA	NA	177.3	42.85	<NA>
## 474	Own	Working	68.6	NA	NA	171.0	23.46	<NA>
## 475	Own	Working	68.6	NA	NA	171.0	23.46	<NA>
## 477	Own	NotWorking	61.1	NA	NA	155.3	25.33	<NA>
## 478	Own	Working	91.7	NA	NA	187.3	26.14	<NA>

## 479	Own	Working	91.7	NA	NA	187.3	26.14	<NA>
## 480	Rent	NotWorking	58.2	NA	NA	164.2	21.59	<NA>
## 481	Rent	NotWorking	58.2	NA	NA	164.2	21.59	<NA>
## 482	Own	Working	77.0	NA	NA	165.3	28.18	<NA>
## 483	Own	Working	77.0	NA	NA	165.3	28.18	<NA>
## 484	Own	NotWorking	73.0	NA	NA	163.8	27.21	<NA>
## 485	Own	Working	84.4	NA	NA	176.5	27.09	<NA>
## 487	Own	NotWorking	85.7	NA	NA	175.6	27.79	<NA>
## 488	Own	NotWorking	82.6	NA	NA	165.3	30.23	<NA>
## 489	Rent	Working	98.3	NA	NA	166.4	35.50	<NA>
## 490	Rent	Working	98.3	NA	NA	166.4	35.50	<NA>
## 491	Rent	Working	63.7	NA	NA	162.5	24.12	<NA>
## 492	Rent	Working	63.7	NA	NA	162.5	24.12	<NA>
## 494	Rent	Working	88.2	NA	NA	164.1	32.75	<NA>
## 495	Rent	Working	88.2	NA	NA	164.1	32.75	<NA>
## 497	Own	NotWorking	78.5	NA	NA	157.2	31.77	<NA>
## 498	Own	Working	97.4	NA	NA	156.7	39.67	<NA>
## 499	Own	Working	66.9	NA	NA	160.5	25.97	<NA>
## 500	Own	Working	58.2	NA	NA	167.6	20.72	<NA>
## 501	Own	Working	58.2	NA	NA	167.6	20.72	<NA>
## 502	Own	Working	58.2	NA	NA	167.6	20.72	<NA>
## 503	Own	Working	58.2	NA	NA	167.6	20.72	<NA>
## 504	Own	NotWorking	88.4	NA	NA	161.8	33.77	<NA>
## 511	Rent	Working	99.5	NA	NA	183.0	29.71	<NA>
## 512	Rent	Working	106.1	NA	NA	188.5	29.86	<NA>
## 513	Own	NotWorking	59.1	NA	NA	166.1	21.42	<NA>
## 514	Own	NotWorking	101.3	NA	NA	169.8	35.13	<NA>
## 515	Own	NotWorking	67.4	NA	NA	137.3	35.75	<NA>
## 516	Own	Working	70.8	NA	NA	168.2	25.03	<NA>
## 519	Own	NotWorking	61.0	NA	NA	156.4	24.94	<NA>
## 522	Rent	NotWorking	68.5	NA	NA	149.0	30.85	<NA>
## 523	Own	Working	73.8	NA	NA	160.9	28.51	<NA>
## 524	Own	NotWorking	84.7	NA	NA	174.1	27.94	<NA>
## 525	Own	Working	81.5	NA	NA	169.7	28.30	<NA>
## 526	Rent	NotWorking	51.4	NA	NA	159.2	20.28	<NA>
## 527	Own	Looking	72.5	NA	NA	160.8	28.04	<NA>
## 528	Rent	NotWorking	100.1	NA	NA	176.5	32.13	<NA>
## 529	Own	Working	102.5	NA	NA	174.5	33.66	<NA>
## 531	Own	Working	72.0	NA	NA	173.9	23.81	<NA>
## 532	Own	Working	72.0	NA	NA	173.9	23.81	<NA>
## 534	Rent	Looking	93.6	NA	NA	164.0	34.80	<NA>
## 538	Own	NotWorking	109.2	NA	NA	168.6	38.42	<NA>
## 539	Own	Working	75.6	NA	NA	165.4	27.63	<NA>
## 540	Own	Working	75.6	NA	NA	165.4	27.63	<NA>
## 541	Rent	Working	118.5	NA	NA	160.9	45.77	<NA>
## 542	Own	NotWorking	101.0	NA	NA	176.5	32.42	<NA>
## 543	Own	NotWorking	101.0	NA	NA	176.5	32.42	<NA>
## 544	Own	Working	98.6	NA	NA	180.1	30.40	<NA>
## 545	Own	NotWorking	68.6	NA	NA	156.2	28.12	<NA>
## 546	Own	NotWorking	68.6	NA	NA	156.2	28.12	<NA>
## 547	Rent	Working	90.5	NA	NA	173.7	30.00	<NA>
## 549	Own	NotWorking	70.3	NA	NA	172.6	23.60	<NA>
## 550	Own	Working	59.7	NA	NA	163.6	22.31	<NA>
## 551	Own	Working	59.7	NA	NA	163.6	22.31	<NA>

## 552	Rent	Working	112.2	NA	NA	152.7	48.12	<NA>
## 553	Own	Working	51.0	NA	NA	161.7	19.51	<NA>
## 556	Own	NotWorking	82.9	NA	NA	171.4	28.22	<NA>
## 557	<NA>	NotWorking	139.1	NA	NA	177.5	44.15	<NA>
## 558	Own	NotWorking	145.3	NA	NA	167.9	51.54	<NA>
## 559	Own	NotWorking	145.3	NA	NA	167.9	51.54	<NA>
## 560	Own	Working	86.9	NA	NA	164.4	32.15	<NA>
## 561	Rent	Working	96.8	NA	NA	170.9	33.14	<NA>
## 563	Own	Working	62.2	NA	NA	171.4	21.17	<NA>
## 565	Own	NotWorking	102.9	NA	NA	162.6	38.92	<NA>
## 566	Own	NotWorking	102.9	NA	NA	162.6	38.92	<NA>
## 567	Own	NotWorking	102.9	NA	NA	162.6	38.92	<NA>
## 568	Own	NotWorking	70.8	NA	NA	151.6	30.81	<NA>
## 569	Own	NotWorking	70.8	NA	NA	151.6	30.81	<NA>
## 570	Own	NotWorking	70.8	NA	NA	151.6	30.81	<NA>
## 572	Own	Working	129.9	NA	NA	172.8	43.50	<NA>
## 573	Own	Working	129.9	NA	NA	172.8	43.50	<NA>
## 574	Own	Working	73.4	NA	NA	181.4	22.31	<NA>
## 576	Own	NotWorking	59.4	NA	NA	164.2	22.03	<NA>
## 580	Own	NotWorking	86.6	NA	NA	168.7	30.43	<NA>
## 581	Own	Working	48.1	NA	NA	158.8	19.07	<NA>
## 582	Own	NotWorking	84.5	NA	NA	162.7	31.92	<NA>
## 585	Own	NotWorking	81.2	NA	NA	149.4	36.38	<NA>
## 586	Own	NotWorking	81.2	NA	NA	149.4	36.38	<NA>
## 587	Rent	NotWorking	78.3	NA	NA	168.9	27.45	<NA>
## 590	Rent	Working	81.9	NA	NA	177.5	25.99	<NA>
## 593	Rent	Working	52.3	NA	NA	163.4	19.59	<NA>
## 594	Own	NotWorking	84.1	NA	NA	170.0	29.10	<NA>
## 595	Own	NotWorking	84.1	NA	NA	170.0	29.10	<NA>
## 596	Own	NotWorking	84.1	NA	NA	170.0	29.10	<NA>
## 597	Own	NotWorking	72.2	NA	NA	151.7	31.37	<NA>
## 598	Own	NotWorking	72.2	NA	NA	151.7	31.37	<NA>
## 599	Own	NotWorking	68.6	NA	NA	143.3	33.41	<NA>
## 600	Own	Working	67.8	NA	NA	171.6	23.02	<NA>
## 601	Own	Working	67.8	NA	NA	171.6	23.02	<NA>
## 602	Own	Working	77.2	NA	NA	165.6	28.15	<NA>
## 603	Own	Working	77.2	NA	NA	165.6	28.15	<NA>
## 604	Rent	NotWorking	93.0	NA	NA	169.7	32.29	<NA>
## 605	Own	Working	90.2	NA	NA	164.8	33.21	<NA>
## 606	Own	Working	90.2	NA	NA	164.8	33.21	<NA>
## 608	Own	NotWorking	73.5	NA	NA	156.5	30.01	<NA>
## 609	Rent	Working	90.6	NA	NA	172.6	30.41	<NA>
## 610	Own	NotWorking	61.9	NA	NA	178.2	19.49	<NA>
## 612	Own	NotWorking	75.1	NA	NA	157.6	30.24	<NA>
## 614	Rent	Looking	66.8	NA	NA	157.9	26.79	<NA>
## 615	Own	Working	78.7	NA	NA	158.8	31.21	<NA>
## 616	Own	Working	75.8	NA	NA	159.2	29.91	<NA>
## 617	Own	Working	75.8	NA	NA	159.2	29.91	<NA>
## 620	Rent	Working	131.7	NA	NA	159.1	52.03	<NA>
## 625	Own	Working	83.6	NA	NA	178.4	26.27	<NA>
## 626	Own	NotWorking	75.2	NA	NA	166.7	27.06	<NA>
## 628	Rent	Working	71.8	NA	NA	167.7	25.53	<NA>
## 629	Rent	Working	71.8	NA	NA	167.7	25.53	<NA>
## 632	Own	Working	85.6	NA	NA	171.4	29.14	<NA>

## 633	Own	Working	85.6	NA	NA	171.4	29.14	<NA>
## 634	Own	NotWorking	104.4	NA	NA	174.6	34.25	<NA>
## 637	Own	NotWorking	61.9	NA	NA	155.1	25.73	<NA>
## 638	Own	NotWorking	61.9	NA	NA	155.1	25.73	<NA>
## 640	Own	NotWorking	104.5	NA	NA	181.2	31.83	<NA>
## 641	Own	Working	100.3	NA	NA	175.6	32.53	<NA>
## 642	Own	Working	100.3	NA	NA	175.6	32.53	<NA>
## 643	Own	Working	100.3	NA	NA	175.6	32.53	<NA>
## 646	Own	Working	118.2	NA	NA	187.3	33.69	<NA>
## 647	Own	Working	118.2	NA	NA	187.3	33.69	<NA>
## 648	Own	Working	118.2	NA	NA	187.3	33.69	<NA>
## 652	Rent	Working	65.5	NA	NA	171.1	22.37	<NA>
## 653	Own	NotWorking	118.0	NA	NA	174.3	38.84	<NA>
## 654	Own	NotWorking	118.0	NA	NA	174.3	38.84	<NA>
## 655	Own	NotWorking	118.0	NA	NA	174.3	38.84	<NA>
## 656	Own	NotWorking	80.2	NA	NA	161.6	30.71	<NA>
## 657	Own	NotWorking	45.3	NA	NA	148.0	20.68	<NA>
## 658	Own	NotWorking	45.3	NA	NA	148.0	20.68	<NA>
## 659	Own	Working	53.8	NA	NA	159.7	21.09	<NA>
## 660	Own	Working	53.8	NA	NA	159.7	21.09	<NA>
## 661	Own	Working	53.8	NA	NA	159.7	21.09	<NA>
## 662	Own	Working	53.8	NA	NA	159.7	21.09	<NA>
## 663	Own	NotWorking	75.4	NA	NA	167.1	27.00	<NA>
## 665	Rent	Looking	68.1	NA	NA	176.1	21.96	<NA>
## 666	Own	Working	100.1	NA	NA	180.0	30.90	<NA>
## 672	Own	Working	48.8	NA	NA	164.3	18.08	<NA>
## 675	Own	NotWorking	103.8	NA	NA	183.3	30.89	<NA>
## 676	Own	NotWorking	103.8	NA	NA	183.3	30.89	<NA>
## 677	Rent	Working	89.2	NA	NA	164.3	33.04	<NA>
## 681	Other	Looking	80.7	NA	NA	194.9	21.24	<NA>
## 682	Own	Working	74.1	NA	NA	169.2	25.88	<NA>
## 683	Own	Working	74.1	NA	NA	169.2	25.88	<NA>
## 685	Own	Working	62.7	NA	NA	161.2	24.13	<NA>
## 686	Own	Working	62.7	NA	NA	161.2	24.13	<NA>
## 695	Own	Working	80.3	NA	NA	175.1	26.19	<NA>
## 696	Own	Working	131.5	NA	NA	181.4	39.96	<NA>
## 697	Own	NotWorking	59.7	NA	NA	164.9	21.95	<NA>
## 698	Own	NotWorking	59.7	NA	NA	164.9	21.95	<NA>
## 699	Own	Working	82.0	NA	NA	159.2	32.35	<NA>
## 700	Own	Working	82.0	NA	NA	159.2	32.35	<NA>
## 701	Own	Working	83.4	NA	NA	176.7	26.71	<NA>
## 702	Own	Working	83.4	NA	NA	176.7	26.71	<NA>
## 703	Own	Working	83.4	NA	NA	176.7	26.71	<NA>
## 706	Rent	Working	48.3	NA	NA	159.8	18.91	<NA>
## 707	Own	Working	58.9	NA	NA	152.1	25.46	<NA>
## 710	Own	NotWorking	92.4	NA	NA	157.3	37.34	<NA>
## 712	Own	Working	130.2	NA	NA	178.9	40.68	<NA>
## 713	Own	Working	130.2	NA	NA	178.9	40.68	<NA>
## 714	Rent	Looking	60.7	NA	NA	179.4	18.86	<NA>
## 715	Other	NotWorking	82.0	NA	NA	156.4	33.52	<NA>
## 716	Own	NotWorking	104.1	NA	NA	154.7	43.50	<NA>
## 717	Own	NotWorking	87.2	NA	NA	152.3	37.59	<NA>
## 719	Own	Working	60.3	NA	NA	158.7	23.94	<NA>
## 720	Own	Working	60.3	NA	NA	158.7	23.94	<NA>

## 721	Own	Working	60.3	NA	NA	158.7	23.94	<NA>
## 722	Own	Working	60.3	NA	NA	158.7	23.94	<NA>
## 723	Own	NotWorking	107.0	NA	NA	173.1	35.71	<NA>
## 724	Own	Working	118.0	NA	NA	191.6	32.14	<NA>
## 725	Rent	NotWorking	95.1	NA	NA	160.2	37.06	<NA>
## 726	Own	Working	54.7	NA	NA	155.6	22.59	<NA>
## 727	Own	Working	54.7	NA	NA	155.6	22.59	<NA>
## 728	Rent	NotWorking	69.2	NA	NA	161.6	26.50	<NA>
## 731	Own	NotWorking	160.7	NA	NA	174.7	52.65	<NA>
## 732	Own	Working	115.9	NA	NA	188.4	32.65	<NA>
## 733	Rent	Working	67.9	NA	NA	173.1	22.66	<NA>
## 734	Rent	Working	67.9	NA	NA	173.1	22.66	<NA>
## 739	Own	NotWorking	81.3	NA	NA	176.7	26.04	<NA>
## 740	Own	Working	72.5	NA	NA	169.8	25.15	<NA>
## 741	Other	Working	85.0	NA	NA	175.2	27.69	<NA>
## 743	Own	Working	95.0	NA	NA	177.1	30.29	<NA>
## 744	Own	Working	95.0	NA	NA	177.1	30.29	<NA>
## 745	Own	NotWorking	76.9	NA	NA	184.6	22.57	<NA>
## 751	Other	NotWorking	57.8	NA	NA	162.8	21.81	<NA>
## 752	Own	Working	90.2	NA	NA	162.4	34.20	<NA>
## 753	Own	Working	90.2	NA	NA	162.4	34.20	<NA>
## 756	Own	NotWorking	67.3	NA	NA	150.6	29.67	<NA>
## 757	Rent	NotWorking	76.9	NA	NA	160.5	29.85	<NA>
## 760	Own	Working	54.0	NA	NA	147.1	24.96	<NA>
## 761	Own	NotWorking	58.5	NA	NA	156.2	23.98	<NA>
## 764	Own	Working	83.5	NA	NA	164.2	30.97	<NA>
## 766	Own	Working	60.1	NA	NA	157.8	24.14	<NA>
## 767	Own	Working	96.0	NA	NA	184.4	28.23	<NA>
## 769	Rent	Working	104.4	NA	NA	158.8	41.40	<NA>
## 772	Own	NotWorking	128.8	NA	NA	156.1	52.86	<NA>
## 774	Own	NotWorking	77.5	NA	NA	158.0	31.04	<NA>
## 775	Own	NotWorking	52.7	NA	NA	144.9	25.10	<NA>
## 779	Own	NotWorking	69.8	NA	NA	164.5	25.79	<NA>
## 780	Rent	Working	79.9	NA	NA	166.8	28.72	<NA>
## 781	Own	Looking	91.5	NA	NA	173.5	30.40	<NA>
## 782	Own	Looking	91.5	NA	NA	173.5	30.40	<NA>
## 783	Own	NotWorking	85.3	NA	NA	152.2	36.82	<NA>
## 786	<NA>	NotWorking	85.1	NA	NA	174.6	27.92	<NA>
## 787	<NA>	NotWorking	85.1	NA	NA	174.6	27.92	<NA>
## 788	Own	Looking	98.4	NA	NA	163.4	36.85	<NA>
## 791	Own	NotWorking	69.0	NA	NA	166.6	24.86	<NA>
## 792	Rent	Working	117.6	NA	NA	173.5	39.07	<NA>
## 793	Rent	Working	117.6	NA	NA	173.5	39.07	<NA>
## 797	Own	NotWorking	83.5	NA	NA	173.0	27.90	<NA>
## 798	Own	Working	78.1	NA	NA	166.7	28.10	<NA>
## 799	Own	Working	78.1	NA	NA	166.7	28.10	<NA>
## 800	Own	Working	109.6	NA	NA	150.8	48.20	<NA>
## 801	Own	Working	109.6	NA	NA	150.8	48.20	<NA>
## 802	Own	Working	94.7	NA	NA	185.8	27.43	<NA>
## 808	Own	NotWorking	83.8	NA	NA	168.4	29.55	<NA>
## 809	Own	NotWorking	64.7	NA	NA	160.2	25.21	<NA>
## 813	Own	Working	119.3	NA	NA	178.7	37.36	<NA>
## 814	Own	Working	119.3	NA	NA	178.7	37.36	<NA>
## 815	Own	Working	119.3	NA	NA	178.7	37.36	<NA>

## 816	Own	Working	119.3	NA	NA	178.7	37.36	<NA>
## 818	Own	NotWorking	103.3	NA	NA	157.3	41.75	<NA>
## 819	Rent	NotWorking	137.1	NA	NA	170.6	47.11	<NA>
## 821	Rent	Working	70.8	NA	NA	168.6	24.91	<NA>
## 822	Rent	Working	70.8	NA	NA	168.6	24.91	<NA>
## 823	Rent	Working	70.8	NA	NA	168.6	24.91	<NA>
## 827	Own	NotWorking	118.8	NA	NA	181.0	36.26	<NA>
## 828	Own	NotWorking	113.0	NA	NA	176.8	36.15	<NA>
## 832	Own	Working	60.3	NA	NA	174.6	19.78	<NA>
## 833	Own	Working	60.3	NA	NA	174.6	19.78	<NA>
## 834	Own	Working	83.8	NA	NA	180.6	25.69	<NA>
## 835	Rent	NotWorking	111.3	NA	NA	177.6	35.29	<NA>
## 836	Rent	NotWorking	111.3	NA	NA	177.6	35.29	<NA>
## 837	Rent	NotWorking	111.3	NA	NA	177.6	35.29	<NA>
## 839	Rent	Working	86.3	NA	NA	172.2	29.10	<NA>
## 840	Rent	Working	86.3	NA	NA	172.2	29.10	<NA>
## 842	Own	Working	72.9	NA	NA	180.8	22.30	<NA>
## 843	Own	Working	72.9	NA	NA	180.8	22.30	<NA>
## 844	Own	Working	72.9	NA	NA	180.8	22.30	<NA>
## 846	Own	Working	68.9	NA	NA	168.0	24.41	<NA>
## 847	Own	Working	68.9	NA	NA	168.0	24.41	<NA>
## 848	Own	Working	68.9	NA	NA	168.0	24.41	<NA>
## 849	Own	Working	68.9	NA	NA	168.0	24.41	<NA>
## 850	Own	Working	68.9	NA	NA	168.0	24.41	<NA>
## 851	Own	Working	57.8	NA	NA	177.2	18.41	<NA>
## 852	Own	Working	65.3	NA	NA	146.6	30.38	<NA>
## 853	Own	Working	65.3	NA	NA	146.6	30.38	<NA>
## 854	Own	NotWorking	64.0	NA	NA	159.6	25.13	<NA>
## 855	Own	NotWorking	79.1	NA	NA	166.6	28.50	<NA>
## 856	Own	NotWorking	94.3	NA	NA	173.2	31.44	<NA>
## 857	Other	Working	63.9	NA	NA	179.9	19.74	<NA>
## 858	Other	Working	63.9	NA	NA	179.9	19.74	<NA>
## 861	Own	Working	84.6	NA	NA	170.7	29.03	<NA>
## 863	Own	Working	53.5	NA	NA	161.7	20.46	<NA>
## 864	Own	Working	85.3	NA	NA	179.2	26.56	<NA>
## 865	Own	Working	85.3	NA	NA	179.2	26.56	<NA>
## 867	Own	Working	60.0	NA	NA	165.7	21.85	<NA>
## 868	Own	NotWorking	68.1	NA	NA	169.1	23.82	<NA>
## 869	Own	Working	93.9	NA	NA	180.6	28.79	<NA>
## 875	Rent	Working	120.6	NA	NA	170.5	41.49	<NA>
## 876	Rent	Working	120.6	NA	NA	170.5	41.49	<NA>
## 877	Rent	Working	120.6	NA	NA	170.5	41.49	<NA>
## 878	Own	Working	75.1	NA	NA	169.8	26.05	<NA>
## 879	Own	Working	75.1	NA	NA	169.8	26.05	<NA>
## 880	Own	Working	84.1	NA	NA	176.1	27.12	<NA>
## 881	Own	Working	84.1	NA	NA	176.1	27.12	<NA>
## 882	Own	NotWorking	77.9	NA	NA	168.2	27.54	<NA>
## 884	Rent	Working	79.9	NA	NA	177.5	25.36	<NA>
## 885	Rent	Working	79.9	NA	NA	177.5	25.36	<NA>
## 886	Rent	Working	79.9	NA	NA	177.5	25.36	<NA>
## 888	Own	NotWorking	85.3	NA	NA	165.4	31.18	<NA>
## 889	Own	NotWorking	85.3	NA	NA	165.4	31.18	<NA>
## 890	Own	Working	75.3	NA	NA	175.6	24.42	<NA>
## 892	Own	NotWorking	46.6	NA	NA	148.7	21.07	<NA>

## 897	Own NotWorking	64.7	NA	NA	159.5	25.43	<NA>
## 898	Own NotWorking	64.7	NA	NA	159.5	25.43	<NA>
## 901	Other Working	68.2	NA	NA	153.1	29.10	<NA>
## 902	Own NotWorking	46.1	NA	NA	157.3	18.63	<NA>
## 905	Own Working	72.5	NA	NA	165.6	26.44	<NA>
## 906	Own Working	94.0	NA	NA	180.1	28.98	<NA>
## 907	Own Working	94.0	NA	NA	180.1	28.98	<NA>
## 908	Own NotWorking	88.7	NA	NA	178.9	27.71	<NA>
## 909	Own NotWorking	88.7	NA	NA	178.9	27.71	<NA>
## 910	Rent Working	66.8	NA	NA	156.7	27.20	<NA>
## 911	Own Working	NA	NA	NA	NA	NA	<NA>
## 913	Own Working	107.0	NA	NA	153.1	45.65	<NA>
## 914	Own Working	107.0	NA	NA	153.1	45.65	<NA>
## 915	Own Working	107.0	NA	NA	153.1	45.65	<NA>
## 916	Own Working	107.0	NA	NA	153.1	45.65	<NA>
## 917	Own NotWorking	53.1	NA	NA	166.5	19.15	<NA>
## 918	Rent Looking	69.1	NA	NA	185.1	20.17	<NA>
## 919	Own Working	88.1	NA	NA	171.2	30.06	<NA>
## 921	Rent Working	69.7	NA	NA	168.9	24.43	<NA>
## 922	Rent Working	69.7	NA	NA	168.9	24.43	<NA>
## 924	Own NotWorking	139.8	NA	NA	168.1	49.47	<NA>
## 925	Own NotWorking	139.8	NA	NA	168.1	49.47	<NA>
## 928	Other NotWorking	79.7	NA	NA	167.8	28.31	<NA>
## 929	Own Working	105.1	NA	NA	182.5	31.56	<NA>
## 930	Own Working	105.1	NA	NA	182.5	31.56	<NA>
## 931	Own Working	105.1	NA	NA	182.5	31.56	<NA>
## 932	Own Working	105.1	NA	NA	182.5	31.56	<NA>
## 933	Own Working	92.9	NA	NA	160.7	35.97	<NA>
## 935	Own Working	68.7	NA	NA	160.9	26.54	<NA>
## 936	Rent Working	69.1	NA	NA	156.2	28.32	<NA>
## 937	Own Working	95.1	NA	NA	170.6	32.68	<NA>
## 938	Own Working	95.1	NA	NA	170.6	32.68	<NA>
## 939	Rent Working	100.2	NA	NA	169.6	34.84	<NA>
## 940	Rent Working	100.2	NA	NA	169.6	34.84	<NA>
## 941	Rent Working	100.2	NA	NA	169.6	34.84	<NA>
## 942	Rent NotWorking	61.5	NA	NA	160.7	23.81	<NA>
## 943	Own Working	84.2	NA	NA	176.8	26.94	<NA>
## 944	Own Working	84.2	NA	NA	176.8	26.94	<NA>
## 945	Rent NotWorking	62.8	NA	NA	169.5	21.86	<NA>
## 946	Own Working	97.0	NA	NA	177.1	30.93	<NA>
## 947	Own Working	97.0	NA	NA	177.1	30.93	<NA>
## 953	Own NotWorking	80.8	NA	NA	153.0	34.52	<NA>
## 954	Own Working	60.4	NA	NA	176.8	19.32	<NA>
## 955	Own Working	60.4	NA	NA	176.8	19.32	<NA>
## 957	Rent NotWorking	77.4	NA	NA	164.3	28.67	<NA>
## 958	Own Working	57.3	NA	NA	166.1	20.77	<NA>
## 959	Own Working	126.3	NA	NA	179.6	39.16	<NA>
## 960	Own Working	96.4	NA	NA	179.5	29.92	<NA>
## 961	Own Working	54.8	NA	NA	156.6	22.35	<NA>
## 962	Own NotWorking	75.0	NA	NA	154.3	31.50	<NA>
## 963	Own Working	60.3	NA	NA	166.4	21.78	<NA>
## 965	Own Working	73.4	NA	NA	168.0	26.01	<NA>
## 966	Own Working	73.4	NA	NA	168.0	26.01	<NA>
## 967	Own NotWorking	82.0	NA	NA	167.3	29.30	<NA>

## 968	Own NotWorking	82.0	NA	NA	167.3	29.30	<NA>
## 969	Own NotWorking	82.0	NA	NA	167.3	29.30	<NA>
## 970	Rent Working	64.3	NA	NA	163.5	24.05	<NA>
## 971	Own NotWorking	66.2	NA	NA	158.0	26.52	<NA>
## 974	Own Working	105.8	NA	NA	195.5	27.68	<NA>
## 976	Rent Working	70.8	NA	NA	163.8	26.39	<NA>
## 977	Own Working	119.1	NA	NA	178.3	37.46	<NA>
## 978	Own Working	119.1	NA	NA	178.3	37.46	<NA>
## 980	Other NotWorking	62.5	NA	NA	158.2	24.97	<NA>
## 987	Own NotWorking	67.6	NA	NA	162.1	25.73	<NA>
## 988	Own Working	94.8	NA	NA	178.8	29.65	<NA>
## 989	Own NotWorking	76.0	NA	NA	155.6	31.39	<NA>
## 991	Own Working	78.3	NA	NA	169.4	27.29	<NA>
## 993	Rent NotWorking	73.8	NA	NA	152.7	31.65	<NA>
## 994	Rent NotWorking	73.8	NA	NA	152.7	31.65	<NA>
## 996	Rent Working	56.2	NA	NA	157.3	22.71	<NA>
## 998	Own Working	97.3	NA	NA	175.2	31.70	<NA>
## 999	Own Working	97.3	NA	NA	175.2	31.70	<NA>
## 1000	Own Working	97.3	NA	NA	175.2	31.70	<NA>
## 1001	Own Working	97.3	NA	NA	175.2	31.70	<NA>
## 1002	Own Working	97.3	NA	NA	175.2	31.70	<NA>
## 1005	Own Working	110.7	NA	NA	199.2	27.90	<NA>
## 1006	Own Working	110.7	NA	NA	199.2	27.90	<NA>
## 1007	Own Working	110.7	NA	NA	199.2	27.90	<NA>
## 1009	Own Working	66.4	NA	NA	172.1	22.42	<NA>
## 1010	Own Working	66.4	NA	NA	172.1	22.42	<NA>
## 1011	Rent Working	87.9	NA	NA	181.4	26.71	<NA>
## 1013	Rent NotWorking	66.7	NA	NA	151.5	29.06	<NA>
## 1016	Rent Working	70.2	NA	NA	164.3	26.01	<NA>
## 1017	Own Working	76.2	NA	NA	177.2	24.27	<NA>
## 1018	Own Working	76.2	NA	NA	177.2	24.27	<NA>
## 1019	Own Working	76.2	NA	NA	177.2	24.27	<NA>
## 1020	Own Working	76.2	NA	NA	177.2	24.27	<NA>
## 1023	Own Working	145.9	NA	NA	177.6	46.26	<NA>
## 1024	Own NotWorking	76.7	NA	NA	160.5	29.77	<NA>
## 1025	Rent Working	83.2	NA	NA	186.2	24.00	<NA>
## 1026	Rent NotWorking	118.7	NA	NA	160.7	45.96	<NA>
## 1027	Rent NotWorking	62.9	NA	NA	165.8	22.88	<NA>
## 1029	Rent Working	73.3	NA	NA	179.1	22.85	<NA>
## 1030	Own Working	119.4	NA	NA	171.3	40.69	<NA>
## 1031	Own Working	119.4	NA	NA	171.3	40.69	<NA>
## 1032	Rent NotWorking	46.8	NA	NA	152.2	20.20	<NA>
## 1033	Rent NotWorking	46.8	NA	NA	152.2	20.20	<NA>
## 1034	Own Working	83.7	NA	NA	182.4	25.16	<NA>
## 1035	Own Working	83.7	NA	NA	182.4	25.16	<NA>
## 1036	Own Working	83.7	NA	NA	182.4	25.16	<NA>
## 1037	Rent NotWorking	105.3	NA	NA	175.0	34.38	<NA>
## 1038	Own Working	107.2	NA	NA	170.8	36.75	<NA>
## 1041	Own NotWorking	62.4	NA	NA	149.0	28.11	<NA>
## 1042	Own Working	106.5	NA	NA	168.8	37.38	<NA>
## 1043	Own NotWorking	137.1	NA	NA	172.8	45.91	<NA>
## 1044	Own NotWorking	91.2	NA	NA	158.7	36.21	<NA>
## 1045	Own Working	130.6	NA	NA	189.9	36.22	<NA>
## 1046	Rent NotWorking	53.8	NA	NA	157.9	21.58	<NA>

## 1047	Own	Working	45.6	NA	NA	160.0	17.81	<NA>
## 1048	Own	Working	45.6	NA	NA	160.0	17.81	<NA>
## 1049	Own	NotWorking	72.1	NA	NA	168.6	25.36	<NA>
## 1050	Own	Working	115.0	NA	NA	191.1	31.49	<NA>
## 1051	Own	Working	115.0	NA	NA	191.1	31.49	<NA>
## 1052	Own	Working	80.3	NA	NA	175.7	26.01	<NA>
## 1053	Own	Working	80.3	NA	NA	175.7	26.01	<NA>
## 1056	Rent	Working	73.9	NA	NA	160.9	28.55	<NA>
## 1058	Own	NotWorking	105.7	NA	NA	160.4	41.08	<NA>
## 1059	Own	NotWorking	62.5	NA	NA	168.4	22.04	<NA>
## 1060	Own	NotWorking	62.5	NA	NA	168.4	22.04	<NA>
## 1063	Own	Working	87.3	NA	NA	172.1	29.47	<NA>
## 1064	Rent	Looking	68.7	NA	NA	157.8	27.59	<NA>
## 1065	Rent	Looking	68.7	NA	NA	157.8	27.59	<NA>
## 1068	Rent	NotWorking	63.3	NA	NA	159.8	24.79	<NA>
## 1070	Own	NotWorking	160.7	NA	NA	158.6	63.89	<NA>
## 1072	Own	NotWorking	85.6	NA	NA	161.0	33.02	<NA>
## 1073	Own	Working	79.4	NA	NA	161.8	30.33	<NA>
## 1075	Other	Working	140.8	NA	NA	185.1	41.10	<NA>
## 1076	Rent	Working	121.2	NA	NA	176.3	38.99	<NA>
## 1077	Rent	Working	121.2	NA	NA	176.3	38.99	<NA>
## 1078	Rent	NotWorking	58.5	NA	NA	153.4	24.86	<NA>
## 1079	Rent	NotWorking	58.5	NA	NA	153.4	24.86	<NA>
## 1082	Own	NotWorking	88.2	NA	NA	171.8	29.88	<NA>
## 1084	Own	Working	114.0	NA	NA	172.6	38.27	<NA>
## 1085	Own	Working	114.0	NA	NA	172.6	38.27	<NA>
## 1090	Own	Working	66.0	NA	NA	162.8	24.90	<NA>
## 1091	Own	Working	66.0	NA	NA	162.8	24.90	<NA>
## 1092	Other	NotWorking	75.0	NA	NA	179.8	23.20	<NA>
## 1099	Own	NotWorking	88.9	NA	NA	178.8	27.81	<NA>
## 1100	Own	Working	61.3	NA	NA	169.1	21.44	<NA>
## 1101	Own	Working	61.3	NA	NA	169.1	21.44	<NA>
## 1102	Rent	Working	72.1	NA	NA	168.0	25.55	<NA>
## 1103	Own	Working	53.3	NA	NA	178.5	16.73	<NA>
## 1104	Own	Working	53.3	NA	NA	178.5	16.73	<NA>
## 1105	Own	Working	53.3	NA	NA	178.5	16.73	<NA>
## 1106	Own	NotWorking	64.7	NA	NA	161.2	24.90	<NA>
## 1107	Own	Working	75.5	NA	NA	183.3	22.47	<NA>
## 1109	Rent	NotWorking	80.0	NA	NA	163.0	30.11	<NA>
## 1110	Rent	NotWorking	80.0	NA	NA	163.0	30.11	<NA>
## 1115	Rent	Working	53.2	NA	NA	162.1	20.25	<NA>
## 1116	Rent	Working	53.2	NA	NA	162.1	20.25	<NA>
## 1117	Rent	Looking	77.4	NA	NA	168.3	27.33	<NA>
## 1122	Rent	NotWorking	78.5	NA	NA	161.7	30.02	<NA>
## 1124	Own	Working	90.7	NA	NA	179.8	28.06	<NA>
## 1126	Own	NotWorking	98.4	NA	NA	178.7	30.81	<NA>
## 1127	Own	NotWorking	98.4	NA	NA	178.7	30.81	<NA>
## 1128	Own	NotWorking	98.4	NA	NA	178.7	30.81	<NA>
## 1129	Own	Working	66.3	NA	NA	164.7	24.44	<NA>
## 1130	Own	Working	66.3	NA	NA	164.7	24.44	<NA>
## 1131	Own	NotWorking	79.4	NA	NA	171.2	27.09	<NA>
## 1132	Rent	NotWorking	95.0	NA	NA	175.7	30.77	<NA>
## 1133	Rent	NotWorking	95.0	NA	NA	175.7	30.77	<NA>
## 1134	Own	Working	98.7	NA	NA	171.1	33.71	<NA>

## 1135	Rent	NotWorking	73.0	NA	NA	170.9	24.99	<NA>
## 1136	Own	Working	66.3	NA	NA	149.0	29.86	<NA>
## 1137	Own	Looking	108.5	NA	NA	181.3	33.01	<NA>
## 1138	Own	Looking	108.5	NA	NA	181.3	33.01	<NA>
## 1141	Rent	Working	95.4	NA	NA	173.1	31.84	<NA>
## 1145	Own	Working	95.6	NA	NA	170.6	32.85	<NA>
## 1146	Own	Working	95.6	NA	NA	170.6	32.85	<NA>
## 1147	Own	Working	95.6	NA	NA	170.6	32.85	<NA>
## 1148	Rent	Working	92.8	NA	NA	179.2	28.90	<NA>
## 1149	Rent	Working	92.8	NA	NA	179.2	28.90	<NA>
## 1150	Rent	Working	67.0	NA	NA	157.2	27.11	<NA>
## 1151	Own	Working	81.8	NA	NA	166.5	29.51	<NA>
## 1155	Own	NotWorking	105.3	NA	NA	162.2	40.02	<NA>
## 1157	Own	NotWorking	86.3	NA	NA	170.0	29.86	<NA>
## 1158	Rent	NotWorking	64.2	NA	NA	157.5	25.88	<NA>
## 1162	Rent	NotWorking	63.9	NA	NA	168.5	22.51	<NA>
## 1163	Rent	NotWorking	63.9	NA	NA	168.5	22.51	<NA>
## 1164	Rent	Working	76.0	NA	NA	162.4	28.82	<NA>
## 1165	Rent	Working	76.0	NA	NA	162.4	28.82	<NA>
## 1166	Rent	Working	76.0	NA	NA	162.4	28.82	<NA>
## 1167	Rent	Working	85.8	NA	NA	166.3	31.02	<NA>
## 1170	Own	Working	99.5	NA	NA	183.3	29.61	<NA>
## 1171	Rent	Working	88.6	NA	NA	181.3	26.95	<NA>
## 1172	Rent	Working	57.5	NA	NA	167.9	20.40	<NA>
## 1173	Own	Working	80.5	NA	NA	172.9	26.93	<NA>
## 1176	Rent	Working	92.5	NA	NA	176.5	29.69	<NA>
## 1177	Own	Working	69.3	NA	NA	166.0	25.15	<NA>
## 1178	Own	NotWorking	100.3	NA	NA	164.7	36.98	<NA>
## 1180	Rent	Working	107.2	NA	NA	174.0	35.41	<NA>
## 1181	Rent	Working	107.2	NA	NA	174.0	35.41	<NA>
## 1182	Rent	Working	107.2	NA	NA	174.0	35.41	<NA>
## 1183	Own	Working	72.3	NA	NA	157.4	29.18	<NA>
## 1184	Own	Working	69.4	NA	NA	164.5	25.65	<NA>
## 1185	Rent	Looking	79.7	NA	NA	180.1	24.57	<NA>
## 1187	Rent	NotWorking	75.9	NA	NA	153.5	32.21	<NA>
## 1188	Own	NotWorking	88.6	NA	NA	160.9	34.22	<NA>
## 1190	Rent	NotWorking	71.2	NA	NA	170.1	24.61	<NA>
## 1191	Rent	NotWorking	71.2	NA	NA	170.1	24.61	<NA>
## 1192	Own	Working	75.8	NA	NA	170.2	26.17	<NA>
## 1193	Own	NotWorking	60.9	NA	NA	157.9	24.43	<NA>
## 1194	Own	Working	84.7	NA	NA	148.2	38.56	<NA>
## 1195	Own	NotWorking	105.0	NA	NA	159.9	41.07	<NA>
## 1200	Own	Working	107.4	NA	NA	183.2	32.00	<NA>
## 1201	Own	Working	107.4	NA	NA	183.2	32.00	<NA>
## 1202	Own	NotWorking	74.1	NA	NA	177.2	23.60	<NA>
## 1203	Own	NotWorking	NA	NA	NA	NA	NA	<NA>
## 1208	Own	NotWorking	63.9	NA	NA	162.3	24.26	<NA>
## 1211	Rent	Working	76.9	NA	NA	168.9	26.96	<NA>
## 1215	Own	Working	60.6	NA	NA	159.3	23.88	<NA>
## 1216	Own	Working	60.3	NA	NA	165.8	21.94	<NA>
## 1217	Own	Working	97.6	NA	NA	165.0	35.85	<NA>
## 1218	Own	Working	97.6	NA	NA	165.0	35.85	<NA>
## 1219	Own	Working	97.6	NA	NA	165.0	35.85	<NA>
## 1220	Own	Working	137.6	NA	NA	171.0	47.06	<NA>

## 1221	Own	Working	98.9	NA	NA	179.9	30.56	<NA>
## 1223	Own	NotWorking	81.2	NA	NA	164.3	30.08	<NA>
## 1224	Own	Working	NA	NA	NA	NA	NA	<NA>
## 1225	Own	Working	111.4	NA	NA	164.5	41.17	<NA>
## 1226	Own	Working	111.4	NA	NA	164.5	41.17	<NA>
## 1227	Own	NotWorking	94.4	NA	NA	181.4	28.69	<NA>
## 1229	Own	NotWorking	NA	NA	NA	NA	NA	<NA>
## 1230	Rent	NotWorking	86.0	NA	NA	174.4	28.28	<NA>
## 1231	Rent	NotWorking	86.0	NA	NA	174.4	28.28	<NA>
## 1232	Rent	Working	70.4	NA	NA	170.9	24.10	<NA>
## 1233	Own	Working	87.3	NA	NA	179.2	27.19	<NA>
## 1234	Own	Working	87.3	NA	NA	179.2	27.19	<NA>
## 1236	Own	Working	92.2	NA	NA	169.7	32.02	<NA>
## 1237	Own	Working	92.2	NA	NA	169.7	32.02	<NA>
## 1238	Own	Working	121.2	NA	NA	184.6	35.57	<NA>
## 1239	Own	Working	117.3	NA	NA	181.5	35.61	<NA>
## 1240	Own	Working	117.3	NA	NA	181.5	35.61	<NA>
## 1241	Own	Working	117.3	NA	NA	181.5	35.61	<NA>
## 1242	Own	Working	117.3	NA	NA	181.5	35.61	<NA>
## 1243	Own	Working	117.3	NA	NA	181.5	35.61	<NA>
## 1247	Own	Working	86.1	NA	NA	183.7	25.51	<NA>
## 1248	Own	Working	86.1	NA	NA	183.7	25.51	<NA>
## 1249	Own	Working	86.1	NA	NA	183.7	25.51	<NA>
## 1250	Own	Working	86.1	NA	NA	183.7	25.51	<NA>
## 1251	Own	Working	70.6	NA	NA	179.3	21.96	<NA>
## 1252	Own	Working	70.6	NA	NA	179.3	21.96	<NA>
## 1254	Rent	Working	52.4	NA	NA	165.9	19.04	<NA>
## 1256	Rent	NotWorking	92.4	NA	NA	180.8	28.27	<NA>
## 1259	Own	NotWorking	88.7	NA	NA	169.3	30.95	<NA>
## 1260	Own	Working	110.8	NA	NA	185.7	32.13	<NA>
## 1261	Own	Working	97.8	NA	NA	164.3	36.23	<NA>
## 1262	Own	Working	97.8	NA	NA	164.3	36.23	<NA>
## 1265	Own	NotWorking	61.0	NA	NA	155.9	25.10	<NA>
## 1266	Own	NotWorking	61.0	NA	NA	155.9	25.10	<NA>
## 1268	Own	NotWorking	77.1	NA	NA	164.2	28.60	<NA>
## 1269	Own	NotWorking	77.1	NA	NA	164.2	28.60	<NA>
## 1270	Own	NotWorking	77.1	NA	NA	164.2	28.60	<NA>
## 1276	Own	Working	40.7	NA	NA	159.6	15.98	<NA>
## 1277	Own	Working	40.7	NA	NA	159.6	15.98	<NA>
## 1278	Own	Working	40.7	NA	NA	159.6	15.98	<NA>
## 1279	<NA>	NotWorking	68.5	NA	NA	151.8	29.73	<NA>
## 1282	Rent	NotWorking	97.2	NA	NA	163.1	36.54	<NA>
## 1283	Own	Working	108.5	NA	NA	161.1	41.81	<NA>
## 1284	Own	Working	108.5	NA	NA	161.1	41.81	<NA>
## 1286	Rent	Working	77.8	NA	NA	174.4	25.58	<NA>
## 1291	Rent	Working	78.3	NA	NA	160.5	30.40	<NA>
## 1292	Rent	Working	77.0	NA	NA	151.6	33.50	<NA>
## 1293	Rent	Working	137.3	NA	NA	177.2	43.73	<NA>
## 1294	Own	Working	88.6	NA	NA	176.5	28.44	<NA>
## 1295	Own	Working	88.6	NA	NA	176.5	28.44	<NA>
## 1297	Rent	Working	62.1	NA	NA	150.9	27.27	<NA>
## 1301	Rent	NotWorking	57.5	NA	NA	165.5	20.99	<NA>
## 1302	Own	Working	64.8	NA	NA	157.5	26.12	<NA>
## 1304	Own	Working	69.6	NA	NA	166.7	25.05	<NA>

## 1305	Own	Working	69.6	NA	NA	166.7	25.05	<NA>
## 1306	Own	Working	69.6	NA	NA	166.7	25.05	<NA>
## 1308	Rent	Working	103.0	NA	NA	169.2	35.98	<NA>
## 1314	Own	Working	73.7	NA	NA	169.9	25.53	<NA>
## 1319	Own	NotWorking	70.3	NA	NA	166.6	25.33	<NA>
## 1322	Own	NotWorking	108.5	NA	NA	183.7	32.15	<NA>
## 1323	Own	NotWorking	108.5	NA	NA	183.7	32.15	<NA>
## 1326	Rent	Working	80.1	NA	NA	166.5	28.89	<NA>
## 1328	Rent	Working	57.1	NA	NA	164.2	21.18	<NA>
## 1330	Rent	Working	106.0	NA	NA	177.4	33.68	<NA>
## 1335	Own	Working	72.0	NA	NA	171.1	24.59	<NA>
## 1340	Own	Looking	84.3	NA	NA	171.2	28.76	<NA>
## 1341	Own	Looking	84.3	NA	NA	171.2	28.76	<NA>
## 1342	Own	Looking	84.3	NA	NA	171.2	28.76	<NA>
## 1343	Own	Looking	84.3	NA	NA	171.2	28.76	<NA>
## 1344	Own	NotWorking	112.4	NA	NA	164.5	41.54	<NA>
## 1346	Own	Working	107.8	NA	NA	181.8	32.62	<NA>
## 1350	Own	NotWorking	74.5	NA	NA	147.5	34.24	<NA>
## 1351	Own	NotWorking	66.4	NA	NA	163.8	24.75	<NA>
## 1352	Own	NotWorking	66.4	NA	NA	163.8	24.75	<NA>
## 1353	Own	Working	80.3	NA	NA	170.3	27.69	<NA>
## 1354	Own	Working	91.1	NA	NA	183.8	26.97	<NA>
## 1355	Own	NotWorking	80.0	NA	NA	166.6	28.82	<NA>
## 1356	Own	NotWorking	80.0	NA	NA	166.6	28.82	<NA>
## 1357	Own	NotWorking	80.0	NA	NA	166.6	28.82	<NA>
## 1358	Own	Working	84.5	NA	NA	165.1	31.00	<NA>
## 1359	Own	Working	44.9	NA	NA	167.6	15.98	<NA>
## 1360	Rent	NotWorking	99.1	NA	NA	173.7	32.85	<NA>
## 1361	Own	Working	80.0	NA	NA	169.8	27.75	<NA>
## 1362	Own	Working	80.0	NA	NA	169.8	27.75	<NA>
## 1363	Own	Working	80.0	NA	NA	169.8	27.75	<NA>
## 1364	Rent	NotWorking	126.0	NA	NA	186.7	36.15	<NA>
## 1365	Own	NotWorking	152.0	NA	NA	152.7	65.19	<NA>
## 1366	Own	Working	81.1	NA	NA	158.3	32.36	<NA>
## 1367	Own	Working	81.1	NA	NA	158.3	32.36	<NA>
## 1368	Own	Working	81.1	NA	NA	158.3	32.36	<NA>
## 1369	<NA>	NotWorking	75.4	NA	NA	152.9	32.25	<NA>
## 1370	Rent	Working	75.6	NA	NA	170.2	26.10	<NA>
## 1371	Rent	Working	75.6	NA	NA	170.2	26.10	<NA>
## 1372	Rent	Working	75.6	NA	NA	170.2	26.10	<NA>
## 1373	Own	NotWorking	72.7	NA	NA	168.0	25.76	<NA>
## 1374	Rent	NotWorking	65.8	NA	NA	170.0	22.77	<NA>
## 1375	Own	Working	79.0	NA	NA	171.8	26.77	<NA>
## 1376	Own	Working	134.7	NA	NA	176.4	43.29	<NA>
## 1377	Rent	NotWorking	94.1	NA	NA	156.2	38.57	<NA>
## 1378	Rent	NotWorking	94.1	NA	NA	156.2	38.57	<NA>
## 1379	Own	Working	65.4	NA	NA	155.5	27.05	<NA>
## 1380	Own	Working	65.4	NA	NA	155.5	27.05	<NA>
## 1381	Own	Working	78.1	NA	NA	172.8	26.16	<NA>
## 1382	Own	Working	78.1	NA	NA	172.8	26.16	<NA>
## 1383	Own	Working	100.2	NA	NA	173.3	33.36	<NA>
## 1384	Own	Working	100.2	NA	NA	173.3	33.36	<NA>
## 1388	Own	NotWorking	203.0	NA	NA	186.8	58.18	<NA>
## 1389	Rent	Working	68.7	NA	NA	179.1	21.42	<NA>

## 1390	Rent	Working	62.3	NA	NA	150.2	27.62	<NA>
## 1391	Rent	NotWorking	76.7	NA	NA	154.3	32.22	<NA>
## 1393	Own	Working	87.1	NA	NA	179.0	27.18	<NA>
## 1394	Rent	Working	113.7	NA	NA	166.3	41.11	<NA>
## 1395	Rent	Working	113.7	NA	NA	166.3	41.11	<NA>
## 1397	Own	NotWorking	84.0	NA	NA	180.5	25.78	<NA>
## 1398	Own	NotWorking	84.0	NA	NA	180.5	25.78	<NA>
## 1399	Rent	Working	90.7	NA	NA	177.4	28.82	<NA>
## 1400	Rent	Working	90.7	NA	NA	177.4	28.82	<NA>
## 1401	Rent	Working	90.7	NA	NA	177.4	28.82	<NA>
## 1408	Own	NotWorking	73.1	NA	NA	163.6	27.31	<NA>
## 1409	Own	NotWorking	73.1	NA	NA	163.6	27.31	<NA>
## 1410	Own	NotWorking	136.2	NA	NA	172.6	45.72	<NA>
## 1411	Own	NotWorking	136.2	NA	NA	172.6	45.72	<NA>
## 1412	Rent	NotWorking	61.5	NA	NA	160.2	23.96	<NA>
## 1414	Own	Working	66.6	NA	NA	172.9	22.28	<NA>
## 1415	Own	Working	66.6	NA	NA	172.9	22.28	<NA>
## 1416	Own	Working	115.7	NA	NA	178.8	36.19	<NA>
## 1417	Own	Working	95.2	NA	NA	169.4	33.17	<NA>
## 1418	Rent	Working	129.7	NA	NA	176.5	41.63	<NA>
## 1422	Own	Working	83.0	NA	NA	182.0	25.06	<NA>
## 1423	Own	Working	63.8	NA	NA	157.0	25.88	<NA>
## 1424	Own	Working	70.4	NA	NA	162.3	26.73	<NA>
## 1425	Own	Working	70.4	NA	NA	162.3	26.73	<NA>
## 1426	Own	NotWorking	75.2	NA	NA	174.2	24.78	<NA>
## 1427	Own	NotWorking	75.2	NA	NA	174.2	24.78	<NA>
## 1428	Own	Working	87.0	NA	NA	174.1	28.70	<NA>
## 1429	Own	Working	59.0	NA	NA	169.0	20.66	<NA>
## 1430	Own	Working	59.0	NA	NA	169.0	20.66	<NA>
## 1431	Own	Working	59.0	NA	NA	169.0	20.66	<NA>
## 1435	Rent	Working	92.6	NA	NA	163.1	34.81	<NA>
## 1436	Rent	Working	91.3	NA	NA	177.4	29.01	<NA>
## 1438	Rent	Working	64.1	NA	NA	174.1	21.15	<NA>
## 1441	Own	NotWorking	53.3	NA	NA	162.0	20.31	<NA>
## 1444	Own	Working	90.0	NA	NA	182.6	26.99	<NA>
## 1445	Own	Working	90.0	NA	NA	182.6	26.99	<NA>
## 1446	Rent	Working	74.2	NA	NA	153.6	31.45	<NA>
## 1448	Own	NotWorking	127.7	NA	NA	154.1	53.78	<NA>
## 1449	Own	Working	65.4	NA	NA	176.7	20.95	<NA>
## 1450	Own	NotWorking	77.1	NA	NA	174.2	25.41	<NA>
## 1451	Rent	Working	74.5	NA	NA	166.9	26.75	<NA>
## 1452	Own	NotWorking	63.9	NA	NA	150.9	28.06	<NA>
## 1453	Rent	Working	69.3	NA	NA	184.1	20.45	<NA>
## 1454	Own	NotWorking	46.4	NA	NA	143.8	22.44	<NA>
## 1455	Own	Working	82.5	NA	NA	174.1	27.22	<NA>
## 1457	Own	Working	55.6	NA	NA	155.6	22.96	<NA>
## 1458	Own	Working	77.2	NA	NA	157.1	31.28	<NA>
## 1459	Own	Working	89.4	NA	NA	173.4	29.73	<NA>
## 1460	Own	Working	89.4	NA	NA	173.4	29.73	<NA>
## 1462	Own	Working	52.1	NA	NA	160.8	20.15	<NA>
## 1463	Own	Working	90.5	NA	NA	182.0	27.32	<NA>
## 1464	Own	Working	90.5	NA	NA	182.0	27.32	<NA>
## 1465	Rent	NotWorking	85.7	NA	NA	170.5	29.48	<NA>
## 1466	Rent	Working	80.8	NA	NA	160.9	31.21	<NA>

## 1472	Rent	NotWorking	62.6	NA	NA	180.4	19.24	<NA>
## 1473	Rent	NotWorking	62.6	NA	NA	180.4	19.24	<NA>
## 1475	Rent	Looking	82.8	NA	NA	162.8	31.24	<NA>
## 1476	Own	Working	77.8	NA	NA	161.6	29.79	<NA>
## 1477	Own	Working	77.8	NA	NA	161.6	29.79	<NA>
## 1478	Own	Working	99.3	NA	NA	169.7	34.48	<NA>
## 1479	Own	Working	99.3	NA	NA	169.7	34.48	<NA>
## 1480	Rent	NotWorking	85.3	NA	NA	171.3	29.07	<NA>
## 1484	Rent	Working	147.2	NA	NA	167.7	52.34	<NA>
## 1485	Own	Working	87.4	NA	NA	178.7	27.37	<NA>
## 1488	Rent	Working	76.9	NA	NA	156.5	31.40	<NA>
## 1489	Rent	Working	76.9	NA	NA	156.5	31.40	<NA>
## 1490	Own	Working	94.5	NA	NA	182.3	28.44	<NA>
## 1491	Rent	Working	80.4	NA	NA	173.2	26.80	<NA>
## 1492	Rent	NotWorking	124.1	NA	NA	168.4	43.76	<NA>
## 1494	Own	NotWorking	84.5	NA	NA	163.3	31.69	<NA>
## 1495	Own	NotWorking	72.0	NA	NA	160.0	28.13	<NA>
## 1496	Own	NotWorking	72.0	NA	NA	160.0	28.13	<NA>
## 1497	Own	Working	161.7	NA	NA	183.0	48.28	<NA>
## 1498	Own	NotWorking	114.6	NA	NA	179.0	35.77	<NA>
## 1500	Own	NotWorking	63.6	NA	NA	157.7	25.57	<NA>
## 1501	Own	Working	69.8	NA	NA	161.9	26.63	<NA>
## 1502	Own	NotWorking	67.7	NA	NA	159.4	26.64	<NA>
## 1504	Own	NotWorking	67.8	NA	NA	150.6	29.89	<NA>
## 1505	Rent	Working	74.0	NA	NA	162.0	28.20	<NA>
## 1511	Rent	NotWorking	113.3	NA	NA	187.5	32.23	<NA>
## 1517	Own	Working	109.9	NA	NA	192.3	29.72	<NA>
## 1518	Rent	Working	84.1	NA	NA	170.6	28.90	<NA>
## 1519	Rent	Working	84.1	NA	NA	170.6	28.90	<NA>
## 1520	Rent	Working	84.1	NA	NA	170.6	28.90	<NA>
## 1521	Rent	Working	84.1	NA	NA	170.6	28.90	<NA>
## 1522	Own	NotWorking	120.5	NA	NA	190.5	33.20	<NA>
## 1523	Own	NotWorking	120.5	NA	NA	190.5	33.20	<NA>
## 1525	Rent	NotWorking	98.3	NA	NA	162.0	37.46	<NA>
## 1526	Rent	Working	71.8	NA	NA	NA	NA	<NA>
## 1527	Rent	Working	51.1	NA	NA	147.6	23.46	<NA>
## 1528	Own	NotWorking	110.2	NA	NA	179.8	34.09	<NA>
## 1529	Own	Working	96.9	NA	NA	168.9	33.97	<NA>
## 1530	Own	Working	96.9	NA	NA	168.9	33.97	<NA>
## 1532	Rent	NotWorking	63.4	NA	NA	159.7	24.86	<NA>
## 1533	Other	Working	106.0	NA	NA	169.6	36.85	<NA>
## 1534	Other	Working	106.0	NA	NA	169.6	36.85	<NA>
## 1535	Own	Working	89.5	NA	NA	163.5	33.48	<NA>
## 1538	Own	Working	82.7	NA	NA	161.4	31.75	<NA>
## 1539	Own	Working	82.7	NA	NA	161.4	31.75	<NA>
## 1541	Own	NotWorking	77.4	NA	NA	171.4	26.35	<NA>
## 1542	Own	NotWorking	77.4	NA	NA	171.4	26.35	<NA>
## 1546	Own	NotWorking	93.6	NA	NA	172.1	31.60	<NA>
## 1547	Own	Working	119.2	NA	NA	169.5	41.49	<NA>
## 1548	Own	Working	119.2	NA	NA	169.5	41.49	<NA>
## 1549	Rent	Working	69.8	NA	NA	172.9	23.35	<NA>
## 1550	Rent	NotWorking	90.0	NA	NA	182.7	26.96	<NA>
## 1552	Own	Working	NA	NA	NA	NA	NA	<NA>
## 1553	Own	Working	NA	NA	NA	NA	NA	<NA>

## 1554	Own	Working	NA	NA	NA	NA	NA	<NA>
## 1559	Rent	NotWorking	74.9	NA	NA	175.8	24.24	<NA>
## 1560	Own	Working	63.4	NA	NA	153.4	26.94	<NA>
## 1562	Rent	Looking	146.4	NA	NA	172.2	49.37	<NA>
## 1563	Own	Working	48.6	NA	NA	145.2	23.05	<NA>
## 1564	Rent	NotWorking	99.3	NA	NA	160.5	38.55	<NA>
## 1565	Rent	NotWorking	99.3	NA	NA	160.5	38.55	<NA>
## 1566	Rent	NotWorking	99.3	NA	NA	160.5	38.55	<NA>
## 1568	Rent	Looking	79.2	NA	NA	168.4	27.93	<NA>
## 1574	Rent	NotWorking	82.3	NA	NA	171.4	28.01	<NA>
## 1575	Own	NotWorking	113.5	NA	NA	185.4	33.02	<NA>
## 1580	Own	NotWorking	159.1	NA	NA	188.6	44.73	<NA>
## 1581	Rent	Working	88.8	NA	NA	161.2	34.17	<NA>
## 1582	Rent	Working	88.8	NA	NA	161.2	34.17	<NA>
## 1584	Own	Working	58.7	NA	NA	168.6	20.65	<NA>
## 1585	Rent	Working	72.4	NA	NA	164.1	26.89	<NA>
## 1587	Own	NotWorking	60.8	NA	NA	157.1	24.63	<NA>
## 1589	Own	NotWorking	63.0	NA	NA	162.1	23.98	<NA>
## 1590	Own	Working	67.3	NA	NA	158.0	26.96	<NA>
## 1591	Own	NotWorking	94.6	NA	NA	163.1	35.56	<NA>
## 1592	Own	NotWorking	94.6	NA	NA	163.1	35.56	<NA>
## 1593	Own	Working	96.6	NA	NA	168.3	34.10	<NA>
## 1594	Own	Working	96.6	NA	NA	168.3	34.10	<NA>
## 1595	Own	Working	96.6	NA	NA	168.3	34.10	<NA>
## 1597	Rent	NotWorking	102.2	NA	NA	159.6	40.12	<NA>
## 1598	Rent	NotWorking	102.2	NA	NA	159.6	40.12	<NA>
## 1599	Rent	NotWorking	102.2	NA	NA	159.6	40.12	<NA>
## 1601	Own	Working	128.0	NA	NA	187.5	36.41	<NA>
## 1604	Own	NotWorking	120.5	NA	NA	166.6	43.41	<NA>
## 1605	Own	Working	68.1	NA	NA	159.0	26.94	<NA>
## 1606	Own	Working	NA	NA	NA	NA	NA	<NA>
## 1607	Own	Working	NA	NA	NA	NA	NA	<NA>
## 1608	Own	Working	NA	NA	NA	NA	NA	<NA>
## 1609	Own	NotWorking	73.0	NA	NA	162.8	27.54	<NA>
## 1610	Own	NotWorking	73.0	NA	NA	162.8	27.54	<NA>
## 1611	Own	NotWorking	73.0	NA	NA	162.8	27.54	<NA>
## 1617	Rent	Working	66.3	NA	NA	158.0	26.56	<NA>
## 1620	Rent	NotWorking	89.8	NA	NA	179.0	28.03	<NA>
## 1621	Own	Working	90.1	NA	NA	172.9	30.14	<NA>
## 1625	Rent	Working	52.0	NA	NA	159.9	20.34	<NA>
## 1626	Rent	Working	52.0	NA	NA	159.9	20.34	<NA>
## 1627	Rent	Working	52.0	NA	NA	159.9	20.34	<NA>
## 1628	Rent	Working	52.0	NA	NA	159.9	20.34	<NA>
## 1629	Own	Working	75.9	NA	NA	179.3	23.61	<NA>
## 1630	Own	Working	75.9	NA	NA	179.3	23.61	<NA>
## 1631	Own	Working	128.3	NA	NA	188.3	36.18	<NA>
## 1632	Own	NotWorking	161.5	NA	NA	183.0	48.22	<NA>
## 1633	Own	NotWorking	161.5	NA	NA	183.0	48.22	<NA>
## 1634	Own	NotWorking	161.5	NA	NA	183.0	48.22	<NA>
## 1639	Own	NotWorking	91.0	NA	NA	168.0	32.24	<NA>
## 1640	Own	NotWorking	62.3	NA	NA	175.7	20.18	<NA>
## 1641	Rent	Working	70.1	NA	NA	162.0	26.71	<NA>
## 1644	Own	NotWorking	75.3	NA	NA	168.7	26.46	<NA>
## 1645	Own	NotWorking	75.3	NA	NA	168.7	26.46	<NA>

## 1646	Own	NotWorking	75.3	NA	NA	168.7	26.46	<NA>
## 1647	Rent	Working	81.3	NA	NA	181.8	24.60	<NA>
## 1648	Own	NotWorking	109.1	NA	NA	163.6	40.76	<NA>
## 1650	Own	Working	72.5	NA	NA	167.9	25.72	<NA>
## 1651	Own	Working	72.5	NA	NA	167.9	25.72	<NA>
## 1652	Own	Working	72.5	NA	NA	167.9	25.72	<NA>
## 1653	Own	NotWorking	76.6	NA	NA	157.7	30.80	<NA>
## 1654	Own	Working	77.6	NA	NA	176.4	24.94	<NA>
## 1655	Own	Working	62.2	NA	NA	175.0	20.31	<NA>
## 1656	Own	Working	62.2	NA	NA	175.0	20.31	<NA>
## 1660	Own	NotWorking	84.7	NA	NA	175.4	27.53	<NA>
## 1661	Rent	Looking	81.8	NA	NA	180.3	25.16	<NA>
## 1662	Own	Working	100.8	NA	NA	164.2	37.39	<NA>
## 1663	Rent	Working	89.5	NA	NA	184.8	26.21	<NA>
## 1664	Rent	Working	89.5	NA	NA	184.8	26.21	<NA>
## 1676	<NA>	Working	70.0	NA	NA	170.3	24.14	<NA>
## 1677	<NA>	Working	70.0	NA	NA	170.3	24.14	<NA>
## 1678	Own	NotWorking	128.3	NA	NA	180.2	39.51	<NA>
## 1679	Own	NotWorking	128.3	NA	NA	180.2	39.51	<NA>
## 1681	<NA>	NotWorking	61.2	NA	NA	166.4	22.10	<NA>
## 1683	Own	Working	98.8	NA	NA	186.2	28.50	<NA>
## 1684	Own	Working	98.8	NA	NA	186.2	28.50	<NA>
## 1685	Rent	Working	77.8	NA	NA	158.6	30.93	<NA>
## 1688	Own	Working	102.7	NA	NA	169.8	35.62	<NA>
## 1689	Rent	Looking	94.4	NA	NA	162.2	35.88	<NA>
## 1690	Own	NotWorking	77.2	NA	NA	167.9	27.39	<NA>
## 1693	Own	Looking	65.5	NA	NA	175.7	21.22	<NA>
## 1694	Own	Looking	65.5	NA	NA	175.7	21.22	<NA>
## 1695	Own	Working	96.0	NA	NA	155.7	39.60	<NA>
## 1699	Own	Working	58.7	NA	NA	160.5	22.79	<NA>
## 1701	Own	NotWorking	62.1	NA	NA	145.1	29.50	<NA>
## 1702	Own	NotWorking	62.1	NA	NA	145.1	29.50	<NA>
## 1703	Rent	Looking	80.2	NA	NA	178.2	25.26	<NA>
## 1704	Own	NotWorking	102.6	NA	NA	168.0	36.35	<NA>
## 1705	Own	Working	69.4	NA	NA	177.3	22.08	<NA>
## 1706	Own	Working	69.4	NA	NA	177.3	22.08	<NA>
## 1707	Own	NotWorking	110.6	NA	NA	182.5	33.21	<NA>
## 1708	Rent	Working	105.2	NA	NA	165.3	38.50	<NA>
## 1709	Rent	Working	67.3	NA	NA	157.2	27.23	<NA>
## 1710	Rent	Working	67.3	NA	NA	157.2	27.23	<NA>
## 1711	Own	Working	52.3	NA	NA	154.5	21.91	<NA>
## 1712	Own	Working	52.3	NA	NA	154.5	21.91	<NA>
## 1713	Own	Working	52.3	NA	NA	154.5	21.91	<NA>
## 1714	Own	Working	52.3	NA	NA	154.5	21.91	<NA>
## 1716	Rent	Working	73.3	NA	NA	168.3	25.88	<NA>
## 1717	Own	Working	82.4	NA	NA	171.3	28.08	<NA>
## 1718	Own	Working	82.4	NA	NA	171.3	28.08	<NA>
## 1723	Own	Looking	80.5	NA	NA	179.7	24.93	<NA>
## 1724	Rent	NotWorking	69.4	NA	NA	162.7	26.22	<NA>
## 1725	Rent	NotWorking	69.4	NA	NA	162.7	26.22	<NA>
## 1726	Own	Working	49.6	NA	NA	150.2	21.99	<NA>
## 1727	Own	Working	103.1	NA	NA	155.3	42.75	<NA>
## 1733	Own	Working	104.9	NA	NA	186.8	30.06	<NA>
## 1734	Own	Working	104.9	NA	NA	186.8	30.06	<NA>

## 1735	Own	NotWorking	97.1	NA	NA	173.5	32.26	<NA>
## 1736	Own	NotWorking	97.1	NA	NA	173.5	32.26	<NA>
## 1746	Rent	Working	79.0	NA	NA	147.3	36.41	<NA>
## 1747	Rent	Working	56.3	NA	NA	160.3	21.91	<NA>
## 1748	Rent	Working	56.3	NA	NA	160.3	21.91	<NA>
## 1749	Own	NotWorking	69.5	NA	NA	161.5	26.65	<NA>
## 1750	Own	NotWorking	90.5	NA	NA	170.6	31.09	<NA>
## 1751	Own	Working	56.7	NA	NA	167.6	20.19	<NA>
## 1752	Own	Working	56.7	NA	NA	167.6	20.19	<NA>
## 1754	Rent	Working	101.7	NA	NA	189.1	28.44	<NA>
## 1755	Rent	Working	101.7	NA	NA	189.1	28.44	<NA>
## 1760	Own	Working	105.0	NA	NA	176.9	33.55	<NA>
## 1761	Own	Working	105.0	NA	NA	176.9	33.55	<NA>
## 1762	Own	Working	105.0	NA	NA	176.9	33.55	<NA>
## 1764	Rent	Working	63.9	NA	NA	166.6	23.02	<NA>
## 1765	Own	Working	83.4	NA	NA	184.2	24.58	<NA>
## 1766	Own	NotWorking	144.6	NA	NA	163.9	53.83	<NA>
## 1767	Own	Working	83.3	NA	NA	163.7	31.08	<NA>
## 1768	Own	Working	128.8	NA	NA	170.3	44.41	<NA>
## 1769	Rent	NotWorking	54.7	NA	NA	172.8	18.32	<NA>
## 1771	Rent	Working	80.0	NA	NA	168.1	28.31	<NA>
## 1774	Other	Working	91.6	NA	NA	175.7	29.67	<NA>
## 1775	Own	Working	117.1	NA	NA	179.5	36.34	<NA>
## 1776	Own	Working	59.1	NA	NA	149.1	26.58	<NA>
## 1778	Own	NotWorking	111.6	NA	NA	159.0	44.14	<NA>
## 1780	Own	NotWorking	115.9	NA	NA	180.3	35.65	<NA>
## 1781	Own	NotWorking	115.9	NA	NA	180.3	35.65	<NA>
## 1782	Rent	Working	65.2	NA	NA	161.2	25.09	<NA>
## 1783	Rent	NotWorking	67.8	NA	NA	145.6	31.98	<NA>
## 1785	Own	Working	97.2	NA	NA	176.7	31.13	<NA>
## 1786	Own	Working	97.2	NA	NA	176.7	31.13	<NA>
## 1787	Own	NotWorking	70.2	NA	NA	160.6	27.22	<NA>
## 1788	Own	NotWorking	70.2	NA	NA	160.6	27.22	<NA>
## 1789	Own	Working	96.7	NA	NA	175.6	31.36	<NA>
## 1790	Own	Working	96.7	NA	NA	175.6	31.36	<NA>
## 1791	Own	Working	117.4	NA	NA	177.8	37.14	<NA>
## 1792	Own	Working	117.4	NA	NA	177.8	37.14	<NA>
## 1793	Own	Working	117.4	NA	NA	177.8	37.14	<NA>
## 1794	Own	Working	90.9	NA	NA	175.5	29.51	<NA>
## 1795	Own	NotWorking	61.5	NA	NA	163.5	23.01	<NA>
## 1796	Own	NotWorking	61.5	NA	NA	163.5	23.01	<NA>
## 1797	Own	NotWorking	61.5	NA	NA	163.5	23.01	<NA>
## 1798	Own	Working	82.1	NA	NA	174.9	26.84	<NA>
## 1799	Own	Working	82.1	NA	NA	174.9	26.84	<NA>
## 1800	Own	Working	82.1	NA	NA	174.9	26.84	<NA>
## 1802	Own	Working	82.0	NA	NA	182.9	24.51	<NA>
## 1803	Own	NotWorking	65.7	NA	NA	162.9	24.76	<NA>
## 1804	Own	NotWorking	65.7	NA	NA	162.9	24.76	<NA>
## 1806	Rent	Working	52.5	NA	NA	167.1	18.80	<NA>
## 1807	Own	NotWorking	57.3	NA	NA	142.6	28.18	<NA>
## 1809	Own	Working	75.7	NA	NA	172.9	25.32	<NA>
## 1810	Own	Working	75.6	NA	NA	161.5	28.99	<NA>
## 1811	Own	Working	75.6	NA	NA	161.5	28.99	<NA>
## 1812	Own	Working	75.6	NA	NA	161.5	28.99	<NA>

## 1814	Rent	Working	48.2	NA	NA	153.5	20.46	<NA>
## 1815	Rent	Working	63.4	NA	NA	160.4	24.64	<NA>
## 1817	Own	Working	53.0	NA	NA	158.3	21.15	<NA>
## 1818	Own	Working	53.0	NA	NA	158.3	21.15	<NA>
## 1820	Own	NotWorking	69.2	NA	NA	161.4	26.56	<NA>
## 1821	Own	NotWorking	69.2	NA	NA	161.4	26.56	<NA>
## 1822	Own	NotWorking	80.7	NA	NA	151.5	35.16	<NA>
## 1826	Own	Working	81.5	NA	NA	166.0	29.58	<NA>
## 1827	Own	Working	81.5	NA	NA	166.0	29.58	<NA>
## 1828	Own	Working	99.0	NA	NA	183.1	29.53	<NA>
## 1830	Other	Working	89.6	NA	NA	189.2	25.03	<NA>
## 1831	Rent	Working	71.2	NA	NA	165.8	25.90	<NA>
## 1833	Rent	Working	97.6	NA	NA	172.2	32.91	<NA>
## 1834	Rent	NotWorking	71.9	NA	NA	156.9	29.21	<NA>
## 1835	Own	Working	105.6	NA	NA	182.2	31.81	<NA>
## 1836	Own	Working	63.4	NA	NA	174.1	20.92	<NA>
## 1837	Own	NotWorking	64.0	NA	NA	152.7	27.45	<NA>
## 1838	Own	Working	81.8	NA	NA	175.0	26.71	<NA>
## 1839	Rent	Working	71.5	NA	NA	168.2	25.27	<NA>
## 1841	Own	Working	107.3	NA	NA	175.9	34.68	<NA>
## 1842	Own	Working	107.3	NA	NA	175.9	34.68	<NA>
## 1846	Own	Working	94.9	NA	NA	170.4	32.68	<NA>
## 1849	Own	Working	134.8	NA	NA	183.3	40.12	<NA>
## 1852	Own	Working	92.8	NA	NA	173.2	30.94	<NA>
## 1853	Own	NotWorking	75.9	NA	NA	177.1	24.20	<NA>
## 1854	Own	Working	90.1	NA	NA	165.2	33.01	<NA>
## 1855	Own	NotWorking	85.3	NA	NA	154.4	35.78	<NA>
## 1856	Rent	Working	79.9	NA	NA	157.1	32.37	<NA>
## 1859	Own	NotWorking	74.8	NA	NA	155.0	31.13	<NA>
## 1860	Other	Working	84.6	NA	NA	177.3	26.91	<NA>
## 1861	Own	NotWorking	104.6	NA	NA	175.7	33.88	<NA>
## 1863	Own	Working	74.2	NA	NA	179.3	23.08	<NA>
## 1864	Own	Working	74.2	NA	NA	179.3	23.08	<NA>
## 1867	Own	Working	105.0	NA	NA	178.5	32.95	<NA>
## 1870	Rent	NotWorking	83.2	NA	NA	177.5	26.41	<NA>
## 1871	Own	NotWorking	57.1	NA	NA	150.8	25.11	<NA>
## 1872	Own	NotWorking	89.6	NA	NA	187.1	25.60	<NA>
## 1873	Own	Working	89.3	NA	NA	179.2	27.81	<NA>
## 1877	Rent	Working	90.8	NA	NA	184.1	26.79	<NA>
## 1878	Rent	Working	113.7	NA	NA	168.3	40.14	<NA>
## 1885	Own	Working	80.1	NA	NA	181.1	24.42	<NA>
## 1887	Rent	Working	54.6	NA	NA	160.9	21.09	<NA>
## 1888	Rent	Working	49.2	NA	NA	157.8	19.76	<NA>
## 1889	Own	Working	90.3	NA	NA	179.9	27.90	<NA>
## 1893	Rent	Working	95.3	NA	NA	179.6	29.54	<NA>
## 1894	Own	NotWorking	53.1	NA	NA	154.4	22.27	<NA>
## 1895	Own	NotWorking	53.1	NA	NA	154.4	22.27	<NA>
## 1896	Rent	NotWorking	166.1	NA	NA	157.5	66.96	<NA>
## 1898	Own	Working	49.0	NA	NA	156.6	19.98	<NA>
## 1899	Own	Working	49.0	NA	NA	156.6	19.98	<NA>
## 1900	Own	Working	49.0	NA	NA	156.6	19.98	<NA>
## 1901	Own	Working	74.0	NA	NA	172.7	24.81	<NA>
## 1902	Own	Working	74.0	NA	NA	172.7	24.81	<NA>
## 1903	Own	Working	74.0	NA	NA	172.7	24.81	<NA>

## 1905	Own	Working	81.3	NA	NA	176.5	26.10		<NA>
## 1906	Own	Working	81.3	NA	NA	176.5	26.10		<NA>
## 1907	Own	Working	81.3	NA	NA	176.5	26.10		<NA>
## 1908	Own	Working	74.0	NA	NA	176.3	23.81		<NA>
## 1909	Rent	Working	75.8	NA	NA	180.7	23.21		<NA>
## 1910	Own	NotWorking	77.7	NA	NA	156.7	31.64		<NA>
## 1911	Own	Working	61.1	NA	NA	168.6	21.49		<NA>
## 1913	Rent	Working	82.1	NA	NA	175.6	26.63		<NA>
## 1915	Own	Working	124.3	NA	NA	186.8	35.62		<NA>
## 1916	Own	Working	89.1	NA	NA	171.7	30.22		<NA>
## 1917	Own	Working	89.1	NA	NA	171.7	30.22		<NA>
## 1918	Own	NotWorking	68.9	NA	NA	153.8	29.13		<NA>
## 1919	Rent	Working	67.6	NA	NA	168.4	23.84		<NA>
## 1920	Rent	Working	67.6	NA	NA	168.4	23.84		<NA>
## 1921	Own	Working	86.3	NA	NA	179.4	26.81		<NA>
## 1923	Own	Working	67.9	NA	NA	152.6	29.16		<NA>
## 1924	Own	Working	67.9	NA	NA	152.6	29.16		<NA>
## 1925	Own	Working	93.8	NA	NA	163.6	35.05		<NA>
## 1932	Own	Working	84.7	NA	NA	172.5	28.46		<NA>
## 1933	Own	NotWorking	106.6	NA	NA	173.6	35.37		<NA>
## 1934	Own	NotWorking	106.6	NA	NA	173.6	35.37		<NA>
## 1935	Own	Working	78.0	NA	NA	170.9	26.71		<NA>
## 1936	Rent	Working	71.5	NA	NA	173.1	23.86		<NA>
## 1940	Own	NotWorking	50.3	NA	NA	158.2	20.10		<NA>
## 1941	Own	Working	69.1	NA	NA	174.2	22.77		<NA>
## 1942	Own	Working	69.1	NA	NA	174.2	22.77		<NA>
## 1944	Own	Working	64.6	NA	NA	171.2	22.04		<NA>
## 1945	Own	Working	88.3	NA	NA	173.4	29.37		<NA>
## 1946	Own	Working	88.3	NA	NA	173.4	29.37		<NA>
## 1947	Own	Working	88.0	NA	NA	183.7	26.08		<NA>
## 1954	Own	NotWorking	86.2	NA	NA	154.8	35.97		<NA>
## 1955	Own	NotWorking	97.6	NA	NA	175.8	31.58		<NA>
## 1957	Own	NotWorking	123.8	NA	NA	167.5	44.13		<NA>
## 1958	Own	Looking	74.5	NA	NA	165.4	27.23		<NA>
## 1959	Own	NotWorking	59.1	NA	NA	157.6	23.79		<NA>
## 1960	Own	Looking	64.3	NA	NA	178.8	20.11		<NA>
## 1961	Own	Looking	64.3	NA	NA	178.8	20.11		<NA>
## 1962	Own	Looking	64.3	NA	NA	178.8	20.11		<NA>
## 1963	Own	Looking	64.3	NA	NA	178.8	20.11		<NA>
## 1965	Own	Working	85.4	NA	NA	188.2	24.11		<NA>
## 1966	Rent	Working	100.0	NA	NA	174.5	32.84		<NA>
## 1968	Own	Working	89.8	NA	NA	179.1	28.00		<NA>
## 1969	Own	Working	89.8	NA	NA	179.1	28.00		<NA>
## 1970	Own	Working	89.8	NA	NA	179.1	28.00		<NA>
## 1974	Own	NotWorking	62.5	NA	NA	161.3	24.02		<NA>
##	BMI	WHO Pulse	BPSysAve	BPDiaAve	BPSys1	BPDia1	BPSys2	BPDia2	BPSys3
## 1	30.0_plus	70	113	85	114	88	114	88	112
## 2	30.0_plus	70	113	85	114	88	114	88	112
## 3	30.0_plus	70	113	85	114	88	114	88	112
## 5	30.0_plus	86	112	75	118	82	108	74	116
## 8	25.0_to_29.9	62	118	64	106	62	118	68	118
## 9	25.0_to_29.9	62	118	64	106	62	118	68	118
## 10	25.0_to_29.9	62	118	64	106	62	118	68	118
## 11	18.5_to_24.9	60	111	63	124	64	108	62	114

## 12	18.5_to_24.9	62	104	74	108	76	104	72	104
## 13	25.0_to_29.9	76	134	85	136	86	132	88	136
## 15	25.0_to_29.9	94	127	83	NA	NA	134	82	120
## 16	25.0_to_29.9	74	142	68	138	66	142	74	142
## 18	25.0_to_29.9	96	128	74	126	80	128	74	NA
## 19	25.0_to_29.9	84	152	100	154	98	150	98	154
## 21	18.5_to_24.9	64	95	69	94	74	94	70	96
## 22	18.5_to_24.9	64	95	69	94	74	94	70	96
## 23	18.5_to_24.9	70	122	89	122	82	128	88	116
## 24	30.0_plus	64	90	41	94	48	90	42	90
## 25	30.0_plus	64	90	41	94	48	90	42	90
## 26	30.0_plus	60	147	81	160	84	150	80	144
## 28	25.0_to_29.9	68	117	80	114	86	114	78	120
## 29	30.0_plus	80	144	88	140	90	146	92	142
## 30	30.0_plus	80	144	88	140	90	146	92	142
## 31	25.0_to_29.9	94	130	65	138	72	132	62	128
## 32	18.5_to_24.9	94	106	77	114	78	106	78	106
## 33	25.0_to_29.9	84	150	0	144	0	150	0	150
## 34	25.0_to_29.9	84	150	0	144	0	150	0	150
## 35	25.0_to_29.9	70	122	92	126	94	118	90	126
## 36	30.0_plus	100	105	67	98	66	106	68	104
## 37	30.0_plus	100	105	67	98	66	106	68	104
## 45	25.0_to_29.9	74	93	65	106	62	96	64	90
## 46	18.5_to_24.9	82	102	60	104	60	102	58	102
## 47	30.0_plus	60	103	69	104	72	100	68	106
## 48	18.5_to_24.9	50	124	64	124	70	126	62	122
## 49	25.0_to_29.9	62	117	68	130	82	122	76	112
## 54	25.0_to_29.9	76	156	73	146	84	154	74	158
## 55	25.0_to_29.9	66	86	54	NA	NA	88	56	84
## 56	18.5_to_24.9	66	133	61	130	60	132	58	134
## 58	30.0_plus	70	144	86	142	86	144	86	144
## 59	30.0_plus	70	144	86	142	86	144	86	144
## 60	30.0_plus	70	144	86	142	86	144	86	144
## 63	25.0_to_29.9	90	110	77	114	76	112	78	108
## 64	25.0_to_29.9	80	119	65	116	70	118	66	120
## 65	25.0_to_29.9	80	119	65	116	70	118	66	120
## 66	30.0_plus	66	123	74	116	78	126	74	120
## 67	30.0_plus	66	123	74	116	78	126	74	120
## 68	30.0_plus	66	123	74	116	78	126	74	120
## 72	25.0_to_29.9	90	127	68	130	66	130	72	124
## 73	25.0_to_29.9	90	127	68	130	66	130	72	124
## 75	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 76	25.0_to_29.9	60	99	70	96	66	102	70	96
## 77	25.0_to_29.9	60	99	70	96	66	102	70	96
## 78	25.0_to_29.9	60	99	70	96	66	102	70	96
## 79	25.0_to_29.9	50	119	74	124	72	122	72	116
## 80	18.5_to_24.9	78	131	69	136	62	128	70	134
## 81	18.5_to_24.9	78	131	69	136	62	128	70	134
## 82	18.5_to_24.9	78	131	69	136	62	128	70	134
## 83	30.0_plus	64	113	65	114	66	114	68	112
## 84	30.0_plus	64	113	65	114	66	114	68	112
## 85	30.0_plus	64	113	65	114	66	114	68	112
## 86	30.0_plus	64	113	65	114	66	114	68	112
## 90	25.0_to_29.9	70	172	86	170	90	178	86	166

## 91	25.0_to_29.9	70	172	86	170	90	178	86	166
## 93	25.0_to_29.9	72	125	79	122	84	126	82	124
## 94	18.5_to_24.9	74	110	73	108	76	112	70	108
## 95	25.0_to_29.9	64	139	88	136	92	142	86	136
## 96	12.0_18.5	50	132	60	138	72	130	58	134
## 97	18.5_to_24.9	62	106	65	106	70	104	66	108
## 101	30.0_plus	60	125	56	132	46	122	54	128
## 102	25.0_to_29.9	110	136	70	138	68	136	68	136
## 103	25.0_to_29.9	110	136	70	138	68	136	68	136
## 104	25.0_to_29.9	76	121	74	116	74	120	74	122
## 105	25.0_to_29.9	76	121	74	116	74	120	74	122
## 106	25.0_to_29.9	76	121	74	116	74	120	74	122
## 107	25.0_to_29.9	84	118	70	112	72	120	72	116
## 108	25.0_to_29.9	84	118	70	112	72	120	72	116
## 109	25.0_to_29.9	84	118	70	112	72	120	72	116
## 111	30.0_plus	68	110	63	116	62	110	64	110
## 112	30.0_plus	84	126	83	NA	NA	128	84	124
## 113	30.0_plus	84	126	83	NA	NA	128	84	124
## 114	25.0_to_29.9	68	138	69	138	78	140	70	136
## 115	25.0_to_29.9	66	111	68	114	64	116	68	106
## 116	25.0_to_29.9	78	174	31	182	24	168	22	180
## 117	18.5_to_24.9	94	93	64	94	64	92	66	94
## 118	18.5_to_24.9	94	93	64	94	64	92	66	94
## 119	18.5_to_24.9	94	93	64	94	64	92	66	94
## 120	18.5_to_24.9	94	93	64	94	64	92	66	94
## 121	25.0_to_29.9	92	149	75	150	76	152	78	146
## 123	30.0_plus	84	100	55	110	64	104	54	96
## 124	25.0_to_29.9	54	119	75	124	82	122	74	116
## 125	30.0_plus	64	133	63	134	72	132	62	134
## 126	25.0_to_29.9	58	127	69	128	72	134	72	120
## 127	25.0_to_29.9	74	130	74	138	82	126	68	134
## 128	30.0_plus	114	80	52	82	54	78	52	82
## 130	30.0_plus	80	138	78	138	84	142	80	134
## 131	18.5_to_24.9	94	104	63	104	60	102	62	106
## 132	18.5_to_24.9	94	104	63	104	60	102	62	106
## 133	18.5_to_24.9	94	104	63	104	60	102	62	106
## 134	25.0_to_29.9	74	112	78	122	80	112	80	112
## 135	25.0_to_29.9	74	112	78	122	80	112	80	112
## 136	30.0_plus	80	131	87	136	88	128	88	134
## 139	25.0_to_29.9	70	116	81	118	84	116	78	116
## 140	25.0_to_29.9	70	116	81	118	84	116	78	116
## 141	30.0_plus	98	92	66	92	66	NA	NA	NA
## 142	25.0_to_29.9	80	181	99	194	100	182	100	180
## 143	18.5_to_24.9	74	116	68	114	80	122	76	110
## 144	30.0_plus	72	191	96	200	100	194	96	188
## 145	30.0_plus	84	118	82	120	80	116	82	120
## 146	30.0_plus	84	118	82	120	80	116	82	120
## 147	25.0_to_29.9	58	110	76	110	80	108	76	112
## 148	25.0_to_29.9	58	110	76	110	80	108	76	112
## 149	30.0_plus	90	121	74	130	78	124	76	118
## 150	25.0_to_29.9	70	138	84	NA	NA	138	84	NA
## 151	25.0_to_29.9	70	138	84	NA	NA	138	84	NA
## 152	18.5_to_24.9	66	124	75	130	84	122	76	126
## 155	25.0_to_29.9	86	108	71	116	68	114	76	102

## 156	25.0_to_29.9	86	108	71	116	68	114	76	102
## 157	25.0_to_29.9	86	108	71	116	68	114	76	102
## 158	25.0_to_29.9	86	108	71	116	68	114	76	102
## 159	25.0_to_29.9	68	123	55	136	56	120	56	126
## 160	25.0_to_29.9	86	112	76	112	76	112	74	112
## 162	18.5_to_24.9	58	93	63	98	58	96	62	90
## 163	18.5_to_24.9	58	93	63	98	58	96	62	90
## 164	30.0_plus	76	130	84	128	84	130	84	130
## 165	25.0_to_29.9	86	110	58	118	60	112	54	108
## 167	30.0_plus	60	108	58	114	60	108	58	108
## 168	30.0_plus	56	147	83	140	88	150	82	144
## 169	30.0_plus	56	147	83	140	88	150	82	144
## 170	25.0_to_29.9	80	106	72	114	74	106	74	106
## 171	30.0_plus	56	127	76	134	68	128	74	126
## 172	25.0_to_29.9	60	146	76	146	76	144	78	148
## 173	25.0_to_29.9	60	146	76	146	76	144	78	148
## 175	18.5_to_24.9	96	141	70	140	72	142	68	140
## 176	18.5_to_24.9	96	141	70	140	72	142	68	140
## 179	30.0_plus	70	110	62	114	68	110	64	110
## 180	30.0_plus	70	110	62	114	68	110	64	110
## 181	25.0_to_29.9	80	121	67	122	74	124	70	118
## 182	30.0_plus	68	108	54	110	56	108	52	108
## 183	30.0_plus	68	108	54	110	56	108	52	108
## 184	25.0_to_29.9	64	131	81	132	82	130	84	132
## 185	25.0_to_29.9	64	131	81	132	82	130	84	132
## 187	25.0_to_29.9	68	97	58	106	60	96	60	98
## 188	25.0_to_29.9	68	97	58	106	60	96	60	98
## 189	25.0_to_29.9	74	102	68	102	64	102	64	102
## 190	25.0_to_29.9	74	102	68	102	64	102	64	102
## 192	30.0_plus	86	148	82	150	86	148	82	148
## 193	30.0_plus	86	148	82	150	86	148	82	148
## 194	18.5_to_24.9	70	95	64	96	68	92	66	98
## 195	30.0_plus	74	110	65	112	66	112	66	108
## 197	30.0_plus	72	130	67	134	68	130	66	130
## 198	30.0_plus	72	130	67	134	68	130	66	130
## 199	18.5_to_24.9	62	134	64	134	66	136	62	132
## 201	30.0_plus	58	142	41	158	50	138	42	146
## 204	25.0_to_29.9	66	110	71	110	70	112	72	108
## 205	18.5_to_24.9	66	120	63	124	66	122	60	118
## 206	30.0_plus	80	127	75	132	76	126	72	128
## 207	30.0_plus	74	124	70	124	70	NA	NA	NA
## 209	18.5_to_24.9	96	107	80	112	82	104	78	110
## 211	30.0_plus	76	117	55	120	62	118	56	116
## 212	25.0_to_29.9	80	106	73	110	76	108	72	104
## 213	25.0_to_29.9	80	106	73	110	76	108	72	104
## 214	30.0_plus	78	118	59	120	64	116	60	120
## 216	18.5_to_24.9	76	108	72	116	66	110	72	106
## 217	18.5_to_24.9	76	108	72	116	66	110	72	106
## 218	30.0_plus	78	126	69	130	70	126	70	126
## 219	30.0_plus	78	126	69	130	70	126	70	126
## 222	18.5_to_24.9	60	86	56	94	64	NA	NA	86
## 223	18.5_to_24.9	84	152	72	160	74	154	68	150
## 225	30.0_plus	64	126	83	NA	NA	126	84	126
## 226	30.0_plus	64	126	83	NA	NA	126	84	126

## 228	30.0_plus	76	133	83	128	84	136	82	130
## 229	30.0_plus	64	133	70	132	80	126	76	140
## 230	30.0_plus	64	133	70	132	80	126	76	140
## 234	30.0_plus	70	132	66	132	78	130	66	134
## 235	25.0_to_29.9	76	106	63	104	68	108	60	104
## 236	30.0_plus	94	111	71	104	70	112	74	110
## 237	30.0_plus	94	111	71	104	70	112	74	110
## 239	18.5_to_24.9	82	114	67	116	66	118	64	110
## 240	18.5_to_24.9	82	114	67	116	66	118	64	110
## 241	18.5_to_24.9	82	114	67	116	66	118	64	110
## 242	25.0_to_29.9	72	115	41	124	0	114	42	116
## 243	25.0_to_29.9	72	115	41	124	0	114	42	116
## 244	30.0_plus	96	114	56	108	56	114	58	114
## 245	30.0_plus	96	114	56	108	56	114	58	114
## 247	30.0_plus	58	140	76	144	74	134	74	146
## 249	25.0_to_29.9	70	115	69	118	82	110	70	120
## 250	30.0_plus	48	110	54	114	54	112	54	108
## 251	30.0_plus	48	110	54	114	54	112	54	108
## 252	30.0_plus	48	110	54	114	54	112	54	108
## 253	30.0_plus	66	133	67	130	72	130	68	136
## 254	25.0_to_29.9	78	112	65	114	62	112	64	112
## 255	30.0_plus	62	118	72	120	78	124	76	112
## 256	30.0_plus	62	118	72	120	78	124	76	112
## 257	18.5_to_24.9	76	164	93	178	90	170	94	158
## 258	30.0_plus	82	120	83	118	82	122	84	118
## 259	25.0_to_29.9	54	118	78	118	78	124	80	112
## 260	30.0_plus	80	125	81	NA	NA	122	82	128
## 262	30.0_plus	60	112	68	116	74	114	66	110
## 263	30.0_plus	60	112	68	116	74	114	66	110
## 264	18.5_to_24.9	72	103	72	104	76	104	70	102
## 265	30.0_plus	64	161	63	172	64	164	64	158
## 267	18.5_to_24.9	68	178	73	170	74	178	76	178
## 269	30.0_plus	72	117	73	118	74	118	70	116
## 270	30.0_plus	72	117	73	118	74	118	70	116
## 271	30.0_plus	72	101	73	104	72	96	70	106
## 272	18.5_to_24.9	64	122	73	126	74	124	70	120
## 274	25.0_to_29.9	48	134	52	130	46	134	56	134
## 275	25.0_to_29.9	64	116	78	112	84	114	80	118
## 278	30.0_plus	58	140	65	138	56	140	76	140
## 279	30.0_plus	58	140	65	138	56	140	76	140
## 280	18.5_to_24.9	58	132	76	132	72	130	78	134
## 282	18.5_to_24.9	68	109	73	NA	NA	112	70	106
## 283	18.5_to_24.9	68	109	73	NA	NA	112	70	106
## 284	25.0_to_29.9	66	125	77	124	74	126	76	124
## 285	30.0_plus	70	143	66	142	66	146	68	140
## 286	30.0_plus	70	143	66	142	66	146	68	140
## 287	30.0_plus	70	143	66	142	66	146	68	140
## 289	18.5_to_24.9	82	114	53	112	54	114	52	114
## 290	18.5_to_24.9	82	114	53	112	54	114	52	114
## 291	18.5_to_24.9	82	114	53	112	54	114	52	114
## 292	30.0_plus	74	107	71	110	72	108	72	106
## 293	30.0_plus	74	107	71	110	72	108	72	106
## 296	25.0_to_29.9	86	111	59	108	60	110	58	112
## 297	25.0_to_29.9	60	105	69	100	68	106	68	104

## 298	30.0_plus	64	114	70	118	66	112	70	116
## 299	30.0_plus	64	114	70	118	66	112	70	116
## 300	30.0_plus	64	114	70	118	66	112	70	116
## 301	30.0_plus	64	114	70	118	66	112	70	116
## 303	25.0_to_29.9	70	116	66	116	64	118	68	114
## 304	25.0_to_29.9	70	116	66	116	64	118	68	114
## 306	30.0_plus	60	135	87	138	82	136	86	134
## 307	30.0_plus	64	126	82	126	82	NA	NA	NA
## 308	30.0_plus	64	126	82	126	82	NA	NA	NA
## 309	<NA>	54	120	50	130	52	118	52	122
## 310	<NA>	54	120	50	130	52	118	52	122
## 311	30.0_plus	78	120	85	120	82	122	84	118
## 312	18.5_to_24.9	42	124	80	124	82	124	84	124
## 313	18.5_to_24.9	42	124	80	124	82	124	84	124
## 315	18.5_to_24.9	82	138	35	134	48	140	36	136
## 316	18.5_to_24.9	82	138	35	134	48	140	36	136
## 317	18.5_to_24.9	60	115	72	118	74	114	72	116
## 319	18.5_to_24.9	80	107	62	118	64	102	62	112
## 320	<NA>	82	113	70	112	66	112	72	114
## 321	18.5_to_24.9	60	122	61	122	64	120	60	124
## 322	18.5_to_24.9	60	122	61	122	64	120	60	124
## 324	25.0_to_29.9	90	115	81	108	78	114	84	116
## 325	18.5_to_24.9	80	108	65	104	68	112	66	104
## 326	18.5_to_24.9	78	117	81	104	82	120	84	114
## 327	25.0_to_29.9	68	128	87	138	84	128	88	128
## 328	25.0_to_29.9	68	128	87	138	84	128	88	128
## 332	25.0_to_29.9	76	100	76	100	70	98	76	102
## 333	25.0_to_29.9	60	113	65	126	70	110	64	116
## 334	18.5_to_24.9	60	112	47	120	50	112	46	112
## 335	18.5_to_24.9	70	148	81	162	88	150	82	146
## 336	18.5_to_24.9	70	148	81	162	88	150	82	146
## 337	18.5_to_24.9	70	148	81	162	88	150	82	146
## 342	30.0_plus	84	116	68	116	70	118	72	114
## 343	25.0_to_29.9	58	128	71	128	72	130	70	126
## 344	18.5_to_24.9	80	98	62	94	64	94	62	102
## 345	30.0_plus	68	111	77	NA	NA	106	82	116
## 346	30.0_plus	68	111	77	NA	NA	106	82	116
## 348	30.0_plus	86	138	89	146	88	140	92	136
## 349	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 350	18.5_to_24.9	72	98	69	92	70	88	68	108
## 352	30.0_plus	78	121	59	124	66	118	62	124
## 354	18.5_to_24.9	78	108	67	104	58	108	66	108
## 355	25.0_to_29.9	70	137	73	140	80	142	72	132
## 358	30.0_plus	72	139	97	142	100	142	100	136
## 359	18.5_to_24.9	66	134	52	132	60	136	52	132
## 360	18.5_to_24.9	66	134	52	132	60	136	52	132
## 361	18.5_to_24.9	92	106	72	100	76	108	70	104
## 364	30.0_plus	94	114	62	114	62	112	60	116
## 366	30.0_plus	72	112	65	110	68	112	68	112
## 367	25.0_to_29.9	52	159	60	156	62	160	60	158
## 368	18.5_to_24.9	74	111	76	122	74	116	74	106
## 369	30.0_plus	70	100	63	106	62	106	62	94
## 370	25.0_to_29.9	58	117	63	126	70	122	62	112
## 371	25.0_to_29.9	58	117	63	126	70	122	62	112

## 374	30.0_plus	68	117	73	124	76	120	74	114
## 375	30.0_plus	66	162	66	148	64	NA	NA	162
## 376	25.0_to_29.9	66	122	68	120	70	NA	NA	122
## 377	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 378	<NA>	NA	NA	NA	NA	NA	NA	NA	NA
## 380	25.0_to_29.9	80	135	84	140	82	134	82	136
## 381	30.0_plus	74	124	84	122	84	126	84	122
## 382	30.0_plus	74	124	84	122	84	126	84	122
## 383	30.0_plus	74	124	84	122	84	126	84	122
## 384	18.5_to_24.9	84	126	63	116	58	124	60	128
## 385	30.0_plus	62	136	78	138	70	136	80	136
## 387	30.0_plus	74	105	74	NA	NA	108	68	102
## 388	30.0_plus	74	105	74	NA	NA	108	68	102
## 389	18.5_to_24.9	70	99	64	94	62	94	66	104
## 390	30.0_plus	78	106	73	106	76	106	72	106
## 391	25.0_to_29.9	60	136	79	134	80	138	78	134
## 392	25.0_to_29.9	60	136	79	134	80	138	78	134
## 397	18.5_to_24.9	56	129	78	126	72	130	76	128
## 398	25.0_to_29.9	74	106	66	108	72	102	64	110
## 399	25.0_to_29.9	74	106	66	108	72	102	64	110
## 400	25.0_to_29.9	74	106	66	108	72	102	64	110
## 401	30.0_plus	56	142	67	146	62	142	66	142
## 404	30.0_plus	82	125	69	124	62	122	68	128
## 405	30.0_plus	82	125	69	124	62	122	68	128
## 406	30.0_plus	82	125	69	124	62	122	68	128
## 408	25.0_to_29.9	78	125	62	128	62	126	62	124
## 409	25.0_to_29.9	78	125	62	128	62	126	62	124
## 410	30.0_plus	54	159	76	168	82	162	76	156
## 415	25.0_to_29.9	58	125	81	122	76	124	78	126
## 416	25.0_to_29.9	58	125	81	122	76	124	78	126
## 417	18.5_to_24.9	88	125	77	120	74	126	76	124
## 418	18.5_to_24.9	88	125	77	120	74	126	76	124
## 419	18.5_to_24.9	88	125	77	120	74	126	76	124
## 425	18.5_to_24.9	86	140	84	134	96	132	86	148
## 428	30.0_plus	80	117	75	120	78	118	74	116
## 429	18.5_to_24.9	54	191	64	192	64	188	66	194
## 430	18.5_to_24.9	54	191	64	192	64	188	66	194
## 431	18.5_to_24.9	54	191	64	192	64	188	66	194
## 432	18.5_to_24.9	64	121	72	NA	NA	122	70	120
## 433	18.5_to_24.9	64	121	72	NA	NA	122	70	120
## 434	18.5_to_24.9	66	136	76	144	66	NA	NA	136
## 436	25.0_to_29.9	66	147	88	156	88	150	92	144
## 437	25.0_to_29.9	66	147	88	156	88	150	92	144
## 438	25.0_to_29.9	66	147	88	156	88	150	92	144
## 439	25.0_to_29.9	66	147	88	156	88	150	92	144
## 440	30.0_plus	74	113	73	120	76	118	70	108
## 441	25.0_to_29.9	58	114	60	116	60	116	60	112
## 444	18.5_to_24.9	66	122	73	120	76	128	76	116
## 445	25.0_to_29.9	88	110	65	102	62	106	64	114
## 446	25.0_to_29.9	88	110	65	102	62	106	64	114
## 450	25.0_to_29.9	66	108	66	116	68	108	64	108
## 451	25.0_to_29.9	66	108	66	116	68	108	64	108
## 452	30.0_plus	64	127	71	128	70	130	66	124
## 453	30.0_plus	64	127	71	128	70	130	66	124

## 454	30.0_plus	74	140	83	134	88	144	82	136
## 455	30.0_plus	74	137	79	122	82	136	84	138
## 458	25.0_to_29.9	78	106	63	100	64	98	64	114
## 459	25.0_to_29.9	78	106	63	100	64	98	64	114
## 460	30.0_plus	74	135	96	138	94	134	96	136
## 462	18.5_to_24.9	80	92	54	96	56	94	52	90
## 463	18.5_to_24.9	80	92	54	96	56	94	52	90
## 464	18.5_to_24.9	80	92	54	96	56	94	52	90
## 466	30.0_plus	58	112	70	114	66	116	68	108
## 467	18.5_to_24.9	70	99	65	100	66	98	66	100
## 468	25.0_to_29.9	68	121	83	124	74	122	80	120
## 469	18.5_to_24.9	82	130	89	132	88	136	88	124
## 470	18.5_to_24.9	116	111	67	106	72	108	68	114
## 471	25.0_to_29.9	78	119	65	114	68	118	64	120
## 472	25.0_to_29.9	78	119	65	114	68	118	64	120
## 473	30.0_plus	68	121	82	118	80	124	86	118
## 474	18.5_to_24.9	62	109	63	112	60	110	64	108
## 475	18.5_to_24.9	62	109	63	112	60	110	64	108
## 477	25.0_to_29.9	76	124	71	132	72	124	70	124
## 478	25.0_to_29.9	50	121	75	122	68	124	72	118
## 479	25.0_to_29.9	50	121	75	122	68	124	72	118
## 480	18.5_to_24.9	70	106	75	108	72	114	76	98
## 481	18.5_to_24.9	70	106	75	108	72	114	76	98
## 482	25.0_to_29.9	64	123	84	124	80	120	84	126
## 483	25.0_to_29.9	64	123	84	124	80	120	84	126
## 484	25.0_to_29.9	72	118	48	124	46	122	44	114
## 485	25.0_to_29.9	52	106	71	114	80	106	74	106
## 487	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 488	30.0_plus	88	82	55	84	56	82	54	82
## 489	30.0_plus	72	112	74	112	70	110	70	114
## 490	30.0_plus	72	112	74	112	70	110	70	114
## 491	18.5_to_24.9	70	101	60	96	62	106	62	96
## 492	18.5_to_24.9	70	101	60	96	62	106	62	96
## 494	30.0_plus	74	126	68	130	74	126	68	126
## 495	30.0_plus	74	126	68	130	74	126	68	126
## 497	30.0_plus	66	125	70	132	70	126	68	124
## 498	30.0_plus	80	142	65	154	76	146	68	138
## 499	25.0_to_29.9	88	105	57	110	58	106	56	104
## 500	18.5_to_24.9	76	108	57	114	64	110	54	106
## 501	18.5_to_24.9	76	108	57	114	64	110	54	106
## 502	18.5_to_24.9	76	108	57	114	64	110	54	106
## 503	18.5_to_24.9	76	108	57	114	64	110	54	106
## 504	30.0_plus	94	137	68	144	68	140	72	134
## 511	25.0_to_29.9	78	141	96	144	102	140	90	142
## 512	25.0_to_29.9	76	127	86	130	88	128	86	126
## 513	18.5_to_24.9	54	144	38	154	0	140	24	148
## 514	30.0_plus	66	120	82	134	78	NA	NA	120
## 515	30.0_plus	78	104	33	100	42	100	36	108
## 516	25.0_to_29.9	62	97	64	106	58	94	68	100
## 519	25.0_to_29.9	62	140	70	144	74	140	72	140
## 522	30.0_plus	72	145	59	138	62	144	64	146
## 523	25.0_to_29.9	92	116	61	114	66	118	62	114
## 524	25.0_to_29.9	48	100	68	92	68	96	64	104
## 525	25.0_to_29.9	62	138	93	138	92	134	98	142

## 526	18.5_to_24.9	NA	NA	NA	NA	NA	NA	NA	NA
## 527	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 528	30.0_plus	82	122	72	118	72	120	74	124
## 529	30.0_plus	64	126	55	130	54	124	56	128
## 531	18.5_to_24.9	76	101	72	104	72	104	74	98
## 532	18.5_to_24.9	76	101	72	104	72	104	74	98
## 534	30.0_plus	88	131	83	134	86	134	86	128
## 538	30.0_plus	68	110	84	110	84	NA	NA	NA
## 539	25.0_to_29.9	76	137	70	148	70	142	66	132
## 540	25.0_to_29.9	76	137	70	148	70	142	66	132
## 541	30.0_plus	70	133	89	138	86	134	90	132
## 542	30.0_plus	50	130	71	140	74	128	72	132
## 543	30.0_plus	50	130	71	140	74	128	72	132
## 544	30.0_plus	78	120	66	120	70	124	68	116
## 545	25.0_to_29.9	72	142	73	138	68	144	74	140
## 546	25.0_to_29.9	72	142	73	138	68	144	74	140
## 547	<NA>	82	113	77	110	78	112	76	114
## 549	18.5_to_24.9	74	106	72	NA	NA	102	68	110
## 550	18.5_to_24.9	88	120	80	124	82	120	80	120
## 551	18.5_to_24.9	88	120	80	124	82	120	80	120
## 552	30.0_plus	70	100	49	94	50	96	50	104
## 553	18.5_to_24.9	78	114	66	114	72	116	70	112
## 556	25.0_to_29.9	66	136	36	136	36	NA	NA	NA
## 557	30.0_plus	92	110	79	116	76	106	78	114
## 558	30.0_plus	100	103	63	108	62	102	62	104
## 559	30.0_plus	100	103	63	108	62	102	62	104
## 560	30.0_plus	68	121	68	130	72	122	66	120
## 561	30.0_plus	70	128	86	126	82	132	86	124
## 563	18.5_to_24.9	60	119	74	120	72	124	74	114
## 565	30.0_plus	68	120	44	126	52	118	48	122
## 566	30.0_plus	68	120	44	126	52	118	48	122
## 567	30.0_plus	68	120	44	126	52	118	48	122
## 568	30.0_plus	74	104	55	106	56	110	52	98
## 569	30.0_plus	74	104	55	106	56	110	52	98
## 570	30.0_plus	74	104	55	106	56	110	52	98
## 572	30.0_plus	68	115	84	122	90	112	82	118
## 573	30.0_plus	68	115	84	122	90	112	82	118
## 574	18.5_to_24.9	78	107	59	104	66	106	58	108
## 576	18.5_to_24.9	70	139	82	138	80	140	78	138
## 580	30.0_plus	72	104	58	102	66	106	58	102
## 581	18.5_to_24.9	82	112	66	102	78	116	64	108
## 582	30.0_plus	94	132	80	132	80	NA	NA	NA
## 585	30.0_plus	82	114	58	112	64	118	52	110
## 586	30.0_plus	82	114	58	112	64	118	52	110
## 587	25.0_to_29.9	72	103	63	106	62	108	64	98
## 590	25.0_to_29.9	74	123	71	124	74	124	68	122
## 593	18.5_to_24.9	78	142	83	140	82	142	80	142
## 594	25.0_to_29.9	78	119	71	126	74	120	68	118
## 595	25.0_to_29.9	78	119	71	126	74	120	68	118
## 596	25.0_to_29.9	78	119	71	126	74	120	68	118
## 597	30.0_plus	62	151	49	156	42	156	46	146
## 598	30.0_plus	62	151	49	156	42	156	46	146
## 599	30.0_plus	72	159	0	160	0	160	0	158
## 600	18.5_to_24.9	66	110	73	112	72	108	72	112

## 601	18.5_to_24.9	66	110	73	112	72	108	72	112
## 602	25.0_to_29.9	72	123	67	126	64	122	68	124
## 603	25.0_to_29.9	72	123	67	126	64	122	68	124
## 604	30.0_plus	50	174	68	174	68	170	68	178
## 605	30.0_plus	80	129	80	138	84	128	80	130
## 606	30.0_plus	80	129	80	138	84	128	80	130
## 608	30.0_plus	62	129	56	138	58	130	56	128
## 609	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 610	18.5_to_24.9	52	155	76	162	78	156	76	154
## 612	30.0_plus	84	111	73	114	76	110	72	112
## 614	25.0_to_29.9	82	128	87	132	90	126	88	130
## 615	30.0_plus	90	140	72	142	72	138	76	142
## 616	<NA>	60	103	64	104	68	100	62	106
## 617	<NA>	60	103	64	104	68	100	62	106
## 620	30.0_plus	80	130	88	124	92	134	88	126
## 625	25.0_to_29.9	68	112	78	98	78	112	78	NA
## 626	25.0_to_29.9	108	166	76	162	74	164	78	168
## 628	25.0_to_29.9	70	103	70	104	72	104	70	102
## 629	25.0_to_29.9	70	103	70	104	72	104	70	102
## 632	25.0_to_29.9	72	121	80	114	74	118	80	124
## 633	25.0_to_29.9	72	121	80	114	74	118	80	124
## 634	30.0_plus	60	138	67	144	68	142	70	134
## 637	25.0_to_29.9	76	122	67	122	66	120	66	124
## 638	25.0_to_29.9	76	122	67	122	66	120	66	124
## 640	30.0_plus	60	111	61	116	62	104	60	118
## 641	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 642	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 643	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 646	30.0_plus	68	114	70	104	74	116	72	112
## 647	30.0_plus	68	114	70	104	74	116	72	112
## 648	30.0_plus	68	114	70	104	74	116	72	112
## 652	18.5_to_24.9	76	105	70	110	72	108	64	102
## 653	30.0_plus	88	118	72	124	68	124	70	112
## 654	30.0_plus	88	118	72	124	68	124	70	112
## 655	30.0_plus	88	118	72	124	68	124	70	112
## 656	30.0_plus	104	138	59	140	72	140	54	136
## 657	18.5_to_24.9	66	146	70	146	74	148	68	144
## 658	18.5_to_24.9	66	146	70	146	74	148	68	144
## 659	18.5_to_24.9	84	99	56	100	50	100	56	98
## 660	18.5_to_24.9	84	99	56	100	50	100	56	98
## 661	18.5_to_24.9	84	99	56	100	50	100	56	98
## 662	18.5_to_24.9	84	99	56	100	50	100	56	98
## 663	25.0_to_29.9	56	176	71	182	76	178	68	174
## 665	18.5_to_24.9	68	106	76	108	76	106	72	106
## 666	30.0_plus	58	119	87	126	76	116	84	122
## 672	12.0_18.5	58	117	76	114	60	114	78	120
## 675	30.0_plus	62	110	75	108	68	106	74	114
## 676	30.0_plus	62	110	75	108	68	106	74	114
## 677	30.0_plus	64	122	52	126	66	122	52	NA
## 681	18.5_to_24.9	70	98	72	106	70	98	72	NA
## 682	25.0_to_29.9	64	105	60	114	58	108	62	102
## 683	25.0_to_29.9	64	105	60	114	58	108	62	102
## 685	18.5_to_24.9	70	109	70	112	68	110	72	108
## 686	18.5_to_24.9	70	109	70	112	68	110	72	108

## 695	25.0_to_29.9	56	109	57	112	58	104	58	114
## 696	30.0_plus	82	116	71	120	74	118	72	114
## 697	18.5_to_24.9	70	116	72	114	80	116	70	116
## 698	18.5_to_24.9	70	116	72	114	80	116	70	116
## 699	30.0_plus	84	129	79	140	84	130	78	128
## 700	30.0_plus	84	129	79	140	84	130	78	128
## 701	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 702	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 703	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 706	18.5_to_24.9	74	104	69	106	72	108	66	100
## 707	25.0_to_29.9	74	127	68	134	72	128	70	126
## 710	30.0_plus	48	135	37	140	36	138	36	132
## 712	30.0_plus	62	125	73	134	74	124	74	126
## 713	30.0_plus	62	125	73	134	74	124	74	126
## 714	18.5_to_24.9	70	113	74	116	82	112	72	114
## 715	30.0_plus	96	114	71	116	66	116	72	112
## 716	30.0_plus	82	111	56	108	62	112	58	110
## 717	30.0_plus	68	110	71	112	66	110	70	110
## 719	18.5_to_24.9	68	118	73	126	78	120	72	116
## 720	18.5_to_24.9	68	118	73	126	78	120	72	116
## 721	18.5_to_24.9	68	118	73	126	78	120	72	116
## 722	18.5_to_24.9	68	118	73	126	78	120	72	116
## 723	30.0_plus	84	160	75	166	92	166	74	154
## 724	30.0_plus	60	82	57	NA	NA	88	60	76
## 725	30.0_plus	68	120	78	124	80	124	78	116
## 726	18.5_to_24.9	80	109	77	112	82	106	76	112
## 727	18.5_to_24.9	80	109	77	112	82	106	76	112
## 728	25.0_to_29.9	72	117	66	118	64	118	64	116
## 731	30.0_plus	86	146	61	146	82	144	62	148
## 732	30.0_plus	72	143	94	144	94	148	96	138
## 733	18.5_to_24.9	92	113	68	106	66	110	70	116
## 734	18.5_to_24.9	92	113	68	106	66	110	70	116
## 739	25.0_to_29.9	68	126	84	NA	NA	126	84	126
## 740	25.0_to_29.9	60	119	69	124	66	120	68	118
## 741	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 743	30.0_plus	72	123	85	124	78	122	84	124
## 744	30.0_plus	72	123	85	124	78	122	84	124
## 745	18.5_to_24.9	94	129	74	120	74	126	72	132
## 751	18.5_to_24.9	80	101	67	104	68	106	68	96
## 752	30.0_plus	54	122	79	134	74	120	76	124
## 753	30.0_plus	54	122	79	134	74	120	76	124
## 756	25.0_to_29.9	58	135	53	146	54	138	58	132
## 757	25.0_to_29.9	80	163	75	NA	NA	166	74	160
## 760	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 761	18.5_to_24.9	NA	NA	NA	NA	NA	NA	NA	NA
## 764	30.0_plus	62	105	69	102	64	104	70	106
## 766	18.5_to_24.9	NA	NA	NA	NA	NA	NA	NA	NA
## 767	25.0_to_29.9	46	128	87	134	92	126	88	130
## 769	30.0_plus	76	121	67	132	70	122	68	120
## 772	30.0_plus	80	124	72	124	66	126	70	122
## 774	30.0_plus	74	82	45	92	54	80	44	84
## 775	25.0_to_29.9	86	138	79	144	82	136	84	140
## 779	25.0_to_29.9	66	125	57	124	60	128	58	122
## 780	25.0_to_29.9	82	143	95	140	94	142	94	144

## 781	30.0_plus	70	125	75	122	78	126	78	124
## 782	30.0_plus	70	125	75	122	78	126	78	124
## 783	30.0_plus	64	110	62	104	60	110	60	110
## 786	25.0_to_29.9	102	148	58	146	54	150	60	146
## 787	25.0_to_29.9	102	148	58	146	54	150	60	146
## 788	30.0_plus	64	129	80	132	80	136	80	122
## 791	18.5_to_24.9	60	133	65	132	62	136	64	130
## 792	30.0_plus	78	147	86	146	86	144	88	150
## 793	30.0_plus	78	147	86	146	86	144	88	150
## 797	25.0_to_29.9	80	141	71	138	74	142	72	140
## 798	25.0_to_29.9	58	114	71	116	70	116	72	112
## 799	25.0_to_29.9	58	114	71	116	70	116	72	112
## 800	30.0_plus	86	158	53	164	62	160	54	156
## 801	30.0_plus	86	158	53	164	62	160	54	156
## 802	25.0_to_29.9	60	123	66	124	68	126	68	120
## 808	25.0_to_29.9	66	108	64	106	64	110	68	106
## 809	25.0_to_29.9	62	126	59	142	62	132	58	120
## 813	30.0_plus	82	131	91	118	84	132	90	130
## 814	30.0_plus	82	131	91	118	84	132	90	130
## 815	30.0_plus	82	131	91	118	84	132	90	130
## 816	30.0_plus	82	131	91	118	84	132	90	130
## 818	30.0_plus	80	142	70	154	74	144	68	140
## 819	30.0_plus	96	123	80	128	90	124	86	122
## 821	25.0_to_29.9	82	108	67	106	66	110	68	106
## 822	25.0_to_29.9	82	108	67	106	66	110	68	106
## 823	25.0_to_29.9	82	108	67	106	66	110	68	106
## 827	30.0_plus	56	149	85	152	92	156	84	142
## 828	30.0_plus	64	156	78	160	76	158	78	154
## 832	18.5_to_24.9	60	104	65	108	56	104	64	104
## 833	18.5_to_24.9	60	104	65	108	56	104	64	104
## 834	25.0_to_29.9	60	110	62	108	64	110	64	110
## 835	30.0_plus	100	97	55	114	64	100	56	94
## 836	30.0_plus	100	97	55	114	64	100	56	94
## 837	30.0_plus	100	97	55	114	64	100	56	94
## 839	25.0_to_29.9	54	107	62	104	70	100	60	114
## 840	25.0_to_29.9	54	107	62	104	70	100	60	114
## 842	18.5_to_24.9	74	117	67	106	72	112	70	122
## 843	18.5_to_24.9	74	117	67	106	72	112	70	122
## 844	18.5_to_24.9	74	117	67	106	72	112	70	122
## 846	18.5_to_24.9	66	116	73	124	74	114	74	118
## 847	18.5_to_24.9	66	116	73	124	74	114	74	118
## 848	18.5_to_24.9	66	116	73	124	74	114	74	118
## 849	18.5_to_24.9	66	116	73	124	74	114	74	118
## 850	18.5_to_24.9	66	116	73	124	74	114	74	118
## 851	12.0_18.5	74	212	72	220	80	214	72	210
## 852	30.0_plus	96	102	66	104	62	100	70	104
## 853	30.0_plus	96	102	66	104	62	100	70	104
## 854	25.0_to_29.9	86	112	71	106	72	110	70	114
## 855	25.0_to_29.9	60	125	64	126	66	124	62	126
## 856	30.0_plus	52	140	71	146	72	140	72	140
## 857	18.5_to_24.9	86	117	69	114	72	118	64	116
## 858	18.5_to_24.9	86	117	69	114	72	118	64	116
## 861	25.0_to_29.9	66	114	65	122	68	110	64	118
## 863	18.5_to_24.9	72	84	62	86	60	84	60	84

## 864	25.0_to_29.9	60	127	83	118	80	128	84	126
## 865	25.0_to_29.9	60	127	83	118	80	128	84	126
## 867	18.5_to_24.9	NA	NA	NA	NA	NA	NA	NA	NA
## 868	18.5_to_24.9	64	103	68	98	76	106	72	100
## 869	25.0_to_29.9	62	123	75	126	74	122	74	124
## 875	30.0_plus	84	124	87	NA	NA	128	86	120
## 876	30.0_plus	84	124	87	NA	NA	128	86	120
## 877	30.0_plus	84	124	87	NA	NA	128	86	120
## 878	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 879	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 880	25.0_to_29.9	72	123	90	134	92	124	94	122
## 881	25.0_to_29.9	72	123	90	134	92	124	94	122
## 882	25.0_to_29.9	84	179	76	176	90	186	76	172
## 884	25.0_to_29.9	68	112	74	110	72	110	74	114
## 885	25.0_to_29.9	68	112	74	110	72	110	74	114
## 886	25.0_to_29.9	68	112	74	110	72	110	74	114
## 888	30.0_plus	90	125	47	124	56	126	42	124
## 889	30.0_plus	90	125	47	124	56	126	42	124
## 890	18.5_to_24.9	60	112	63	114	64	114	62	110
## 892	18.5_to_24.9	84	185	56	190	62	188	60	182
## 897	25.0_to_29.9	72	104	58	104	58	104	56	104
## 898	25.0_to_29.9	72	104	58	104	58	104	56	104
## 901	25.0_to_29.9	82	125	86	132	86	126	88	124
## 902	18.5_to_24.9	116	102	78	104	78	104	82	100
## 905	25.0_to_29.9	58	125	65	122	52	124	62	126
## 906	25.0_to_29.9	64	114	65	116	72	110	66	118
## 907	25.0_to_29.9	64	114	65	116	72	110	66	118
## 908	25.0_to_29.9	80	144	72	122	64	142	70	146
## 909	25.0_to_29.9	80	144	72	122	64	142	70	146
## 910	25.0_to_29.9	74	117	77	114	64	116	76	118
## 911	<NA>	76	121	78	132	78	124	78	118
## 913	30.0_plus	100	142	71	136	74	136	72	148
## 914	30.0_plus	100	142	71	136	74	136	72	148
## 915	30.0_plus	100	142	71	136	74	136	72	148
## 916	30.0_plus	100	142	71	136	74	136	72	148
## 917	18.5_to_24.9	76	111	33	114	50	112	34	110
## 918	18.5_to_24.9	54	118	60	126	58	116	62	120
## 919	30.0_plus	60	104	70	104	64	106	66	102
## 921	18.5_to_24.9	60	102	70	102	70	NA	NA	102
## 922	18.5_to_24.9	60	102	70	102	70	NA	NA	102
## 924	30.0_plus	82	110	69	114	68	114	70	106
## 925	30.0_plus	82	110	69	114	68	114	70	106
## 928	25.0_to_29.9	84	106	61	104	54	108	62	104
## 929	30.0_plus	70	140	72	142	78	140	76	140
## 930	30.0_plus	70	140	72	142	78	140	76	140
## 931	30.0_plus	70	140	72	142	78	140	76	140
## 932	30.0_plus	70	140	72	142	78	140	76	140
## 933	30.0_plus	70	128	72	128	66	122	76	134
## 935	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 936	25.0_to_29.9	80	109	69	108	62	112	62	106
## 937	30.0_plus	80	107	77	NA	NA	108	76	106
## 938	30.0_plus	80	107	77	NA	NA	108	76	106
## 939	30.0_plus	86	121	54	126	60	124	52	118
## 940	30.0_plus	86	121	54	126	60	124	52	118

## 941	30.0_plus	86	121	54	126	60	124	52	118
## 942	18.5_to_24.9	92	97	0	110	38	96	0	98
## 943	25.0_to_29.9	78	127	74	130	72	130	76	124
## 944	25.0_to_29.9	78	127	74	130	72	130	76	124
## 945	18.5_to_24.9	62	111	68	110	78	116	70	106
## 946	30.0_plus	74	127	79	124	70	126	76	128
## 947	30.0_plus	74	127	79	124	70	126	76	128
## 953	30.0_plus	78	113	78	116	80	110	78	116
## 954	18.5_to_24.9	76	111	60	108	62	108	58	114
## 955	18.5_to_24.9	76	111	60	108	62	108	58	114
## 957	25.0_to_29.9	62	128	66	122	68	124	66	132
## 958	18.5_to_24.9	66	100	57	100	40	100	62	100
## 959	30.0_plus	82	118	67	120	68	114	68	122
## 960	<NA>	76	115	69	114	66	118	74	112
## 961	18.5_to_24.9	82	125	72	130	80	124	70	126
## 962	30.0_plus	74	151	74	158	70	158	74	144
## 963	18.5_to_24.9	64	115	61	114	66	116	62	114
## 965	25.0_to_29.9	74	142	66	138	62	138	72	146
## 966	25.0_to_29.9	74	142	66	138	62	138	72	146
## 967	25.0_to_29.9	90	119	81	108	84	120	80	118
## 968	25.0_to_29.9	90	119	81	108	84	120	80	118
## 969	25.0_to_29.9	90	119	81	108	84	120	80	118
## 970	18.5_to_24.9	62	96	69	98	70	90	70	102
## 971	25.0_to_29.9	58	145	69	148	70	144	72	146
## 974	25.0_to_29.9	62	138	60	148	50	140	60	136
## 976	25.0_to_29.9	58	103	58	104	60	102	62	104
## 977	30.0_plus	64	134	73	134	80	134	70	134
## 978	30.0_plus	64	134	73	134	80	134	70	134
## 980	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 987	25.0_to_29.9	60	98	56	94	62	96	56	100
## 988	25.0_to_29.9	82	115	64	112	60	110	64	120
## 989	30.0_plus	84	112	74	116	66	110	76	114
## 991	25.0_to_29.9	70	117	70	124	66	116	68	118
## 993	30.0_plus	60	126	60	NA	NA	132	62	120
## 994	30.0_plus	60	126	60	NA	NA	132	62	120
## 996	18.5_to_24.9	74	112	73	124	66	110	74	114
## 998	30.0_plus	64	117	49	124	46	120	52	114
## 999	30.0_plus	64	117	49	124	46	120	52	114
## 1000	30.0_plus	64	117	49	124	46	120	52	114
## 1001	30.0_plus	64	117	49	124	46	120	52	114
## 1002	30.0_plus	64	117	49	124	46	120	52	114
## 1005	25.0_to_29.9	80	142	79	136	78	144	78	140
## 1006	25.0_to_29.9	80	142	79	136	78	144	78	140
## 1007	25.0_to_29.9	80	142	79	136	78	144	78	140
## 1009	18.5_to_24.9	60	126	67	130	70	128	68	124
## 1010	18.5_to_24.9	60	126	67	130	70	128	68	124
## 1011	25.0_to_29.9	112	127	84	136	84	124	82	130
## 1013	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1016	25.0_to_29.9	60	107	68	106	62	112	68	102
## 1017	18.5_to_24.9	70	125	69	124	78	122	70	128
## 1018	18.5_to_24.9	70	125	69	124	78	122	70	128
## 1019	18.5_to_24.9	70	125	69	124	78	122	70	128
## 1020	18.5_to_24.9	70	125	69	124	78	122	70	128
## 1023	30.0_plus	58	114	60	112	62	114	60	114

## 1024	25.0_to_29.9	62	101	55	102	60	100	56	102
## 1025	18.5_to_24.9	64	123	82	126	78	128	82	118
## 1026	30.0_plus	80	129	0	134	0	126	0	132
## 1027	18.5_to_24.9	76	118	80	NA	NA	114	76	122
## 1029	18.5_to_24.9	70	113	77	106	78	114	78	112
## 1030	30.0_plus	88	126	80	134	86	132	82	120
## 1031	30.0_plus	88	126	80	134	86	132	82	120
## 1032	18.5_to_24.9	86	104	62	96	56	106	62	102
## 1033	18.5_to_24.9	86	104	62	96	56	106	62	102
## 1034	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1035	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1036	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1037	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 1038	30.0_plus	68	103	71	NA	NA	114	76	92
## 1041	25.0_to_29.9	72	121	56	124	50	124	58	118
## 1042	30.0_plus	72	124	71	122	74	122	76	126
## 1043	30.0_plus	66	107	80	104	72	110	80	104
## 1044	30.0_plus	80	143	61	144	52	144	64	142
## 1045	30.0_plus	72	136	74	130	78	136	76	136
## 1046	18.5_to_24.9	64	124	52	128	50	128	54	120
## 1047	12.0_18.5	48	102	50	100	50	102	46	102
## 1048	12.0_18.5	48	102	50	100	50	102	46	102
## 1049	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1050	30.0_plus	82	102	70	112	68	104	74	100
## 1051	30.0_plus	82	102	70	112	68	104	74	100
## 1052	25.0_to_29.9	66	120	67	128	66	120	68	120
## 1053	25.0_to_29.9	66	120	67	128	66	120	68	120
## 1056	25.0_to_29.9	72	115	58	118	52	114	56	116
## 1058	30.0_plus	78	124	75	124	76	130	74	118
## 1059	18.5_to_24.9	58	170	96	178	96	178	102	162
## 1060	18.5_to_24.9	58	170	96	178	96	178	102	162
## 1063	25.0_to_29.9	90	116	70	124	76	122	70	110
## 1064	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1065	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1068	18.5_to_24.9	96	107	69	118	72	106	72	108
## 1070	30.0_plus	84	124	88	124	88	NA	NA	NA
## 1072	30.0_plus	80	128	51	146	46	128	52	128
## 1073	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 1075	30.0_plus	78	106	76	116	80	104	78	108
## 1076	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 1077	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 1078	18.5_to_24.9	78	116	66	114	66	116	64	116
## 1079	18.5_to_24.9	78	116	66	114	66	116	64	116
## 1082	25.0_to_29.9	104	169	73	172	74	168	76	170
## 1084	30.0_plus	68	134	75	134	76	134	74	134
## 1085	30.0_plus	68	134	75	134	76	134	74	134
## 1090	18.5_to_24.9	80	109	61	106	62	108	60	110
## 1091	18.5_to_24.9	80	109	61	106	62	108	60	110
## 1092	18.5_to_24.9	68	119	78	130	82	122	76	116
## 1099	25.0_to_29.9	72	121	63	124	64	118	66	124
## 1100	18.5_to_24.9	70	110	48	116	48	116	48	104
## 1101	18.5_to_24.9	70	110	48	116	48	116	48	104
## 1102	25.0_to_29.9	68	119	70	124	74	118	66	120
## 1103	12.0_18.5	72	85	57	84	54	84	56	86

## 1104	12.0_18.5	72	85	57	84	54	84	56	86
## 1105	12.0_18.5	72	85	57	84	54	84	56	86
## 1106	18.5_to_24.9	58	124	59	124	64	124	60	124
## 1107	18.5_to_24.9	60	113	63	112	62	114	66	112
## 1109	30.0_plus	76	102	49	102	64	104	52	100
## 1110	30.0_plus	76	102	49	102	64	104	52	100
## 1115	18.5_to_24.9	68	105	69	102	62	106	68	104
## 1116	18.5_to_24.9	68	105	69	102	62	106	68	104
## 1117	25.0_to_29.9	82	112	83	118	80	108	84	116
## 1122	30.0_plus	94	155	104	152	104	154	102	156
## 1124	25.0_to_29.9	62	125	76	130	72	124	74	126
## 1126	30.0_plus	64	158	82	174	82	156	82	160
## 1127	30.0_plus	64	158	82	174	82	156	82	160
## 1128	30.0_plus	64	158	82	174	82	156	82	160
## 1129	18.5_to_24.9	64	108	62	112	64	108	56	108
## 1130	18.5_to_24.9	64	108	62	112	64	108	56	108
## 1131	25.0_to_29.9	78	124	82	118	78	124	82	NA
## 1132	30.0_plus	66	108	75	114	74	110	74	106
## 1133	30.0_plus	66	108	75	114	74	110	74	106
## 1134	30.0_plus	68	102	55	108	54	102	56	102
## 1135	25.0_to_29.9	60	104	65	106	62	106	66	102
## 1136	25.0_to_29.9	84	120	73	120	72	116	74	124
## 1137	30.0_plus	78	113	67	114	66	112	70	114
## 1138	30.0_plus	78	113	67	114	66	112	70	114
## 1141	30.0_plus	82	106	77	110	74	106	76	106
## 1145	30.0_plus	88	125	75	124	82	124	80	126
## 1146	30.0_plus	88	125	75	124	82	124	80	126
## 1147	30.0_plus	88	125	75	124	82	124	80	126
## 1148	25.0_to_29.9	84	115	68	118	66	114	66	116
## 1149	25.0_to_29.9	84	115	68	118	66	114	66	116
## 1150	25.0_to_29.9	66	152	84	154	86	148	80	156
## 1151	25.0_to_29.9	68	104	70	104	68	102	70	106
## 1155	30.0_plus	60	129	64	130	60	128	62	130
## 1157	25.0_to_29.9	50	146	64	150	60	144	62	148
## 1158	25.0_to_29.9	56	132	61	138	66	136	62	128
## 1162	18.5_to_24.9	102	122	63	128	58	122	64	122
## 1163	18.5_to_24.9	102	122	63	128	58	122	64	122
## 1164	25.0_to_29.9	70	114	76	116	74	114	76	NA
## 1165	25.0_to_29.9	70	114	76	116	74	114	76	NA
## 1166	25.0_to_29.9	70	114	76	116	74	114	76	NA
## 1167	30.0_plus	82	121	59	124	64	118	60	124
## 1170	25.0_to_29.9	72	138	74	136	76	140	74	136
## 1171	25.0_to_29.9	82	115	78	118	76	114	82	116
## 1172	18.5_to_24.9	80	102	56	104	56	104	56	100
## 1173	25.0_to_29.9	68	116	78	116	74	116	78	116
## 1176	25.0_to_29.9	54	106	61	108	66	108	58	104
## 1177	25.0_to_29.9	62	107	64	106	70	106	64	108
## 1178	30.0_plus	80	119	66	114	64	118	68	120
## 1180	30.0_plus	58	115	83	118	72	116	82	114
## 1181	30.0_plus	58	115	83	118	72	116	82	114
## 1182	30.0_plus	58	115	83	118	72	116	82	114
## 1183	25.0_to_29.9	68	114	66	122	66	114	66	114
## 1184	25.0_to_29.9	84	97	65	100	68	98	66	96
## 1185	18.5_to_24.9	80	92	57	94	60	86	52	98

## 1187	30.0_plus	58	128	60	128	64	126	62	130
## 1188	30.0_plus	78	107	0	106	34	106	0	108
## 1190	18.5_to_24.9	74	111	57	110	56	108	58	114
## 1191	18.5_to_24.9	74	111	57	110	56	108	58	114
## 1192	25.0_to_29.9	56	118	67	124	68	120	68	116
## 1193	18.5_to_24.9	40	136	76	140	78	136	76	NA
## 1194	30.0_plus	74	132	73	134	78	136	72	128
## 1195	30.0_plus	62	116	75	116	74	116	76	116
## 1200	30.0_plus	66	94	64	94	64	NA	NA	NA
## 1201	30.0_plus	66	94	64	94	64	NA	NA	NA
## 1202	18.5_to_24.9	54	116	52	116	56	114	54	118
## 1203	<NA>	NA	NA	NA	NA	NA	NA	NA	NA
## 1208	18.5_to_24.9	62	110	69	118	74	110	72	110
## 1211	25.0_to_29.9	72	104	71	NA	NA	104	72	104
## 1215	18.5_to_24.9	72	115	69	114	74	114	66	116
## 1216	18.5_to_24.9	68	125	74	118	82	124	76	126
## 1217	30.0_plus	70	125	83	124	84	126	82	124
## 1218	30.0_plus	70	125	83	124	84	126	82	124
## 1219	30.0_plus	70	125	83	124	84	126	82	124
## 1220	30.0_plus	82	118	81	120	80	116	78	120
## 1221	30.0_plus	76	122	72	122	66	126	76	118
## 1223	30.0_plus	48	126	58	126	58	NA	NA	NA
## 1224	<NA>	84	135	34	140	66	136	68	134
## 1225	30.0_plus	62	122	69	128	70	124	72	120
## 1226	30.0_plus	62	122	69	128	70	124	72	120
## 1227	25.0_to_29.9	74	124	67	120	74	124	66	124
## 1229	<NA>	94	86	61	92	62	86	62	86
## 1230	25.0_to_29.9	72	106	67	98	64	104	66	108
## 1231	25.0_to_29.9	72	106	67	98	64	104	66	108
## 1232	18.5_to_24.9	76	109	73	106	74	110	68	108
## 1233	25.0_to_29.9	86	111	78	110	76	114	78	108
## 1234	25.0_to_29.9	86	111	78	110	76	114	78	108
## 1236	30.0_plus	82	140	77	NA	NA	144	82	136
## 1237	30.0_plus	82	140	77	NA	NA	144	82	136
## 1238	30.0_plus	68	123	74	122	72	122	74	124
## 1239	30.0_plus	96	178	97	176	96	182	94	174
## 1240	30.0_plus	96	178	97	176	96	182	94	174
## 1241	30.0_plus	96	178	97	176	96	182	94	174
## 1242	30.0_plus	96	178	97	176	96	182	94	174
## 1243	30.0_plus	96	178	97	176	96	182	94	174
## 1247	25.0_to_29.9	72	119	78	120	78	116	80	122
## 1248	25.0_to_29.9	72	119	78	120	78	116	80	122
## 1249	25.0_to_29.9	72	119	78	120	78	116	80	122
## 1250	25.0_to_29.9	72	119	78	120	78	116	80	122
## 1251	18.5_to_24.9	66	106	61	94	68	106	62	106
## 1252	18.5_to_24.9	66	106	61	94	68	106	62	106
## 1254	18.5_to_24.9	86	95	66	100	64	96	60	94
## 1256	25.0_to_29.9	64	116	64	116	66	116	64	116
## 1259	30.0_plus	64	133	86	136	84	134	88	132
## 1260	30.0_plus	64	115	74	116	76	114	72	116
## 1261	30.0_plus	54	98	71	NA	NA	96	68	100
## 1262	30.0_plus	54	98	71	NA	NA	96	68	100
## 1265	25.0_to_29.9	74	114	57	112	60	118	60	110
## 1266	25.0_to_29.9	74	114	57	112	60	118	60	110

## 1268	25.0_to_29.9	72	164	70	164	70	NA	NA	NA
## 1269	25.0_to_29.9	72	164	70	164	70	NA	NA	NA
## 1270	25.0_to_29.9	72	164	70	164	70	NA	NA	NA
## 1276	12.0_18.5	NA	NA	NA	NA	NA	NA	NA	NA
## 1277	12.0_18.5	NA	NA	NA	NA	NA	NA	NA	NA
## 1278	12.0_18.5	NA	NA	NA	NA	NA	NA	NA	NA
## 1279	25.0_to_29.9	88	140	79	142	80	140	78	140
## 1282	30.0_plus	90	142	89	128	86	142	92	142
## 1283	30.0_plus	80	173	93	170	94	174	92	172
## 1284	30.0_plus	80	173	93	170	94	174	92	172
## 1286	25.0_to_29.9	72	116	82	116	80	120	84	112
## 1291	30.0_plus	68	125	83	126	86	124	82	126
## 1292	30.0_plus	82	117	82	114	78	118	80	116
## 1293	30.0_plus	98	144	92	144	86	148	92	140
## 1294	25.0_to_29.9	54	131	21	132	54	128	42	134
## 1295	25.0_to_29.9	54	131	21	132	54	128	42	134
## 1297	25.0_to_29.9	56	110	48	110	60	112	52	108
## 1301	18.5_to_24.9	96	107	66	108	70	108	70	106
## 1302	25.0_to_29.9	70	84	52	88	56	86	52	82
## 1304	25.0_to_29.9	76	111	65	108	66	108	66	114
## 1305	25.0_to_29.9	76	111	65	108	66	108	66	114
## 1306	25.0_to_29.9	76	111	65	108	66	108	66	114
## 1308	30.0_plus	46	109	54	110	56	112	56	106
## 1314	25.0_to_29.9	64	129	78	138	74	132	74	126
## 1319	25.0_to_29.9	76	88	63	92	60	92	66	84
## 1322	30.0_plus	76	80	44	72	48	76	46	84
## 1323	30.0_plus	76	80	44	72	48	76	46	84
## 1326	25.0_to_29.9	72	142	82	132	84	142	78	142
## 1328	18.5_to_24.9	60	98	59	96	52	98	60	98
## 1330	30.0_plus	74	96	53	100	54	94	52	98
## 1335	18.5_to_24.9	100	106	74	118	82	108	74	104
## 1340	25.0_to_29.9	58	103	61	98	58	100	58	106
## 1341	25.0_to_29.9	58	103	61	98	58	100	58	106
## 1342	25.0_to_29.9	58	103	61	98	58	100	58	106
## 1343	25.0_to_29.9	58	103	61	98	58	100	58	106
## 1344	30.0_plus	80	100	68	106	64	98	68	102
## 1346	30.0_plus	60	108	71	108	66	112	70	104
## 1350	30.0_plus	80	158	50	166	58	160	54	156
## 1351	18.5_to_24.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1352	18.5_to_24.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1353	25.0_to_29.9	62	141	90	150	92	140	92	142
## 1354	25.0_to_29.9	76	125	57	124	52	124	58	126
## 1355	25.0_to_29.9	100	123	80	126	94	124	78	122
## 1356	25.0_to_29.9	100	123	80	126	94	124	78	122
## 1357	25.0_to_29.9	100	123	80	126	94	124	78	122
## 1358	30.0_plus	68	128	63	134	80	128	64	128
## 1359	12.0_18.5	64	100	62	100	64	102	62	98
## 1360	30.0_plus	66	133	66	132	64	134	66	132
## 1361	25.0_to_29.9	64	114	86	118	82	116	88	112
## 1362	25.0_to_29.9	64	114	86	118	82	116	88	112
## 1363	25.0_to_29.9	64	114	86	118	82	116	88	112
## 1364	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 1365	30.0_plus	56	160	75	156	74	162	74	158
## 1366	30.0_plus	80	136	77	154	80	138	80	134

## 1367	30.0_plus	80	136	77	154	80	138	80	134
## 1368	30.0_plus	80	136	77	154	80	138	80	134
## 1369	30.0_plus	76	124	84	128	86	124	86	124
## 1370	25.0_to_29.9	58	112	72	112	80	114	74	110
## 1371	25.0_to_29.9	58	112	72	112	80	114	74	110
## 1372	25.0_to_29.9	58	112	72	112	80	114	74	110
## 1373	25.0_to_29.9	56	103	56	104	58	106	54	100
## 1374	18.5_to_24.9	72	148	75	156	84	154	78	142
## 1375	25.0_to_29.9	50	131	71	128	66	132	68	130
## 1376	30.0_plus	56	139	80	144	80	138	78	140
## 1377	30.0_plus	90	131	68	126	64	132	74	130
## 1378	30.0_plus	90	131	68	126	64	132	74	130
## 1379	25.0_to_29.9	72	116	62	116	64	116	62	116
## 1380	25.0_to_29.9	72	116	62	116	64	116	62	116
## 1381	25.0_to_29.9	62	133	77	130	80	130	78	136
## 1382	25.0_to_29.9	62	133	77	130	80	130	78	136
## 1383	30.0_plus	80	133	82	128	80	132	84	134
## 1384	30.0_plus	80	133	82	128	80	132	84	134
## 1388	30.0_plus	68	149	67	NA	NA	152	68	146
## 1389	18.5_to_24.9	74	109	82	102	74	106	84	112
## 1390	25.0_to_29.9	52	117	64	120	68	114	64	120
## 1391	30.0_plus	62	122	71	126	74	122	72	122
## 1393	25.0_to_29.9	80	117	59	124	78	118	56	116
## 1394	30.0_plus	68	116	44	114	64	118	50	114
## 1395	30.0_plus	68	116	44	114	64	118	50	114
## 1397	25.0_to_29.9	50	133	64	130	62	136	62	130
## 1398	25.0_to_29.9	50	133	64	130	62	136	62	130
## 1399	25.0_to_29.9	78	115	83	118	86	116	84	114
## 1400	25.0_to_29.9	78	115	83	118	86	116	84	114
## 1401	25.0_to_29.9	78	115	83	118	86	116	84	114
## 1408	25.0_to_29.9	88	123	72	124	72	122	72	124
## 1409	25.0_to_29.9	88	123	72	124	72	122	72	124
## 1410	30.0_plus	82	94	66	NA	NA	94	66	NA
## 1411	30.0_plus	82	94	66	NA	NA	94	66	NA
## 1412	18.5_to_24.9	92	122	87	122	88	122	84	122
## 1414	18.5_to_24.9	54	130	86	134	84	134	86	126
## 1415	18.5_to_24.9	54	130	86	134	84	134	86	126
## 1416	30.0_plus	64	104	61	108	66	104	58	104
## 1417	30.0_plus	78	125	91	136	92	126	90	124
## 1418	30.0_plus	56	144	87	142	88	146	86	142
## 1422	25.0_to_29.9	76	119	66	116	66	120	66	118
## 1423	25.0_to_29.9	74	102	74	112	72	102	74	NA
## 1424	25.0_to_29.9	84	107	65	112	66	108	64	106
## 1425	25.0_to_29.9	84	107	65	112	66	108	64	106
## 1426	18.5_to_24.9	88	112	59	114	62	108	60	116
## 1427	18.5_to_24.9	88	112	59	114	62	108	60	116
## 1428	25.0_to_29.9	78	116	75	108	72	116	72	116
## 1429	18.5_to_24.9	62	119	70	118	62	118	70	120
## 1430	18.5_to_24.9	62	119	70	118	62	118	70	120
## 1431	18.5_to_24.9	62	119	70	118	62	118	70	120
## 1435	30.0_plus	58	120	71	120	70	122	74	118
## 1436	25.0_to_29.9	70	130	83	126	88	132	82	128
## 1438	18.5_to_24.9	78	109	81	106	82	108	82	110
## 1441	18.5_to_24.9	62	114	67	108	66	112	66	116

## 1444	25.0_to_29.9	68	114	77	118	72	116	78	112
## 1445	25.0_to_29.9	68	114	77	118	72	116	78	112
## 1446	30.0_plus	70	107	59	112	68	106	64	108
## 1448	30.0_plus	78	95	45	102	44	94	44	96
## 1449	18.5_to_24.9	82	108	70	108	68	104	72	112
## 1450	25.0_to_29.9	76	109	68	122	68	116	66	102
## 1451	25.0_to_29.9	68	171	78	170	80	174	80	168
## 1452	25.0_to_29.9	82	146	66	142	56	146	64	146
## 1453	18.5_to_24.9	72	106	61	112	70	112	58	100
## 1454	18.5_to_24.9	54	173	59	184	66	178	64	168
## 1455	25.0_to_29.9	62	124	54	128	50	124	54	124
## 1457	18.5_to_24.9	82	111	76	116	72	112	76	110
## 1458	30.0_plus	78	122	80	120	78	NA	NA	122
## 1459	25.0_to_29.9	64	127	73	124	72	128	74	126
## 1460	25.0_to_29.9	64	127	73	124	72	128	74	126
## 1462	18.5_to_24.9	64	97	59	110	60	94	58	100
## 1463	25.0_to_29.9	78	142	85	138	80	136	84	148
## 1464	25.0_to_29.9	78	142	85	138	80	136	84	148
## 1465	25.0_to_29.9	60	106	66	104	66	106	66	106
## 1466	30.0_plus	82	115	75	110	84	112	76	118
## 1472	18.5_to_24.9	86	110	56	106	54	108	52	112
## 1473	18.5_to_24.9	86	110	56	106	54	108	52	112
## 1475	30.0_plus	78	96	63	98	64	96	62	96
## 1476	25.0_to_29.9	80	120	72	124	76	126	72	114
## 1477	25.0_to_29.9	80	120	72	124	76	126	72	114
## 1478	30.0_plus	66	105	69	114	70	108	72	102
## 1479	30.0_plus	66	105	69	114	70	108	72	102
## 1480	25.0_to_29.9	70	112	67	108	72	110	66	114
## 1484	30.0_plus	86	133	72	130	78	132	70	134
## 1485	25.0_to_29.9	68	116	63	116	58	118	58	114
## 1488	30.0_plus	86	109	74	112	76	110	78	108
## 1489	30.0_plus	86	109	74	112	76	110	78	108
## 1490	25.0_to_29.9	68	120	53	128	58	122	52	118
## 1491	25.0_to_29.9	64	125	71	120	72	122	70	128
## 1492	30.0_plus	72	127	85	124	88	126	86	128
## 1494	30.0_plus	80	132	77	126	76	130	80	134
## 1495	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1496	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1497	30.0_plus	64	117	71	116	72	116	74	118
## 1498	30.0_plus	76	154	51	NA	NA	156	50	152
## 1500	25.0_to_29.9	72	152	73	158	76	148	76	156
## 1501	25.0_to_29.9	70	102	63	102	62	98	64	106
## 1502	25.0_to_29.9	64	107	73	110	70	104	74	110
## 1504	25.0_to_29.9	66	120	58	120	64	122	62	118
## 1505	25.0_to_29.9	70	120	84	NA	NA	122	84	118
## 1511	30.0_plus	76	148	80	134	84	146	80	150
## 1517	25.0_to_29.9	58	114	73	110	80	110	72	118
## 1518	25.0_to_29.9	80	111	76	112	72	108	72	114
## 1519	25.0_to_29.9	80	111	76	112	72	108	72	114
## 1520	25.0_to_29.9	80	111	76	112	72	108	72	114
## 1521	25.0_to_29.9	80	111	76	112	72	108	72	114
## 1522	30.0_plus	76	139	64	150	66	138	66	140
## 1523	30.0_plus	76	139	64	150	66	138	66	140
## 1525	30.0_plus	62	113	60	112	52	110	58	116

## 1526	<NA>	64	109	73	112	68	110	74	108
## 1527	18.5_to_24.9	58	99	60	98	64	98	60	100
## 1528	30.0_plus	56	121	77	124	86	124	78	118
## 1529	30.0_plus	46	144	79	160	78	140	82	148
## 1530	30.0_plus	46	144	79	160	78	140	82	148
## 1532	18.5_to_24.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1533	30.0_plus	76	113	69	116	74	112	70	114
## 1534	30.0_plus	76	113	69	116	74	112	70	114
## 1535	30.0_plus	90	114	68	118	68	114	72	114
## 1538	30.0_plus	78	108	51	110	52	108	54	108
## 1539	30.0_plus	78	108	51	110	52	108	54	108
## 1541	25.0_to_29.9	92	128	60	122	58	124	60	132
## 1542	25.0_to_29.9	92	128	60	122	58	124	60	132
## 1546	30.0_plus	68	114	72	114	72	NA	NA	NA
## 1547	30.0_plus	82	119	71	118	70	118	72	120
## 1548	30.0_plus	82	119	71	118	70	118	72	120
## 1549	18.5_to_24.9	76	128	79	124	86	124	72	132
## 1550	25.0_to_29.9	54	135	80	146	80	136	80	134
## 1552	<NA>	92	115	87	112	84	116	90	114
## 1553	<NA>	92	115	87	112	84	116	90	114
## 1554	<NA>	92	115	87	112	84	116	90	114
## 1559	18.5_to_24.9	74	118	87	120	86	116	86	120
## 1560	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1562	30.0_plus	94	185	99	188	96	188	100	182
## 1563	18.5_to_24.9	78	117	66	118	70	118	66	116
## 1564	30.0_plus	82	123	65	120	66	120	66	126
## 1565	30.0_plus	82	123	65	120	66	120	66	126
## 1566	30.0_plus	82	123	65	120	66	120	66	126
## 1568	25.0_to_29.9	60	119	74	122	74	118	76	120
## 1574	25.0_to_29.9	90	129	73	132	68	134	74	124
## 1575	30.0_plus	68	134	98	136	100	138	100	130
## 1580	30.0_plus	68	140	73	144	74	136	72	144
## 1581	30.0_plus	76	119	50	122	52	120	50	118
## 1582	30.0_plus	76	119	50	122	52	120	50	118
## 1584	18.5_to_24.9	56	106	65	106	58	106	62	106
## 1585	25.0_to_29.9	70	97	22	96	54	98	44	96
## 1587	18.5_to_24.9	66	123	75	124	82	122	74	124
## 1589	18.5_to_24.9	90	118	80	116	78	118	82	118
## 1590	25.0_to_29.9	90	102	56	108	56	104	56	100
## 1591	30.0_plus	66	NA	NA	NA	NA	NA	NA	NA
## 1592	30.0_plus	66	NA	NA	NA	NA	NA	NA	NA
## 1593	30.0_plus	68	94	58	84	52	96	58	92
## 1594	30.0_plus	68	94	58	84	52	96	58	92
## 1595	30.0_plus	68	94	58	84	52	96	58	92
## 1597	30.0_plus	68	115	78	114	78	114	80	116
## 1598	30.0_plus	68	115	78	114	78	114	80	116
## 1599	30.0_plus	68	115	78	114	78	114	80	116
## 1601	30.0_plus	66	117	69	114	64	116	66	118
## 1604	30.0_plus	62	127	61	124	56	124	60	130
## 1605	25.0_to_29.9	62	117	74	116	76	116	76	118
## 1606	<NA>	66	104	73	102	74	110	74	98
## 1607	<NA>	66	104	73	102	74	110	74	98
## 1608	<NA>	66	104	73	102	74	110	74	98
## 1609	25.0_to_29.9	58	144	61	146	64	142	64	146

## 1610	25.0_to_29.9	58	144	61	146	64	142	64	146
## 1611	25.0_to_29.9	58	144	61	146	64	142	64	146
## 1617	25.0_to_29.9	74	122	75	122	82	122	74	122
## 1620	25.0_to_29.9	76	125	79	128	78	126	80	124
## 1621	30.0_plus	72	131	85	130	88	134	84	128
## 1625	18.5_to_24.9	50	104	63	114	64	102	60	106
## 1626	18.5_to_24.9	50	104	63	114	64	102	60	106
## 1627	18.5_to_24.9	50	104	63	114	64	102	60	106
## 1628	18.5_to_24.9	50	104	63	114	64	102	60	106
## 1629	18.5_to_24.9	56	147	71	164	76	152	72	142
## 1630	18.5_to_24.9	56	147	71	164	76	152	72	142
## 1631	30.0_plus	76	118	53	116	58	118	52	118
## 1632	30.0_plus	74	123	86	124	82	122	84	124
## 1633	30.0_plus	74	123	86	124	82	122	84	124
## 1634	30.0_plus	74	123	86	124	82	122	84	124
## 1639	30.0_plus	52	132	59	136	58	132	60	132
## 1640	18.5_to_24.9	72	99	64	96	58	100	66	98
## 1641	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1644	25.0_to_29.9	72	142	75	144	70	144	74	140
## 1645	25.0_to_29.9	72	142	75	144	70	144	74	140
## 1646	25.0_to_29.9	72	142	75	144	70	144	74	140
## 1647	18.5_to_24.9	60	115	67	122	64	114	62	116
## 1648	30.0_plus	116	119	65	120	64	116	66	122
## 1650	25.0_to_29.9	74	109	75	108	72	108	76	110
## 1651	25.0_to_29.9	74	109	75	108	72	108	76	110
## 1652	25.0_to_29.9	74	109	75	108	72	108	76	110
## 1653	30.0_plus	54	149	68	146	68	152	70	146
## 1654	25.0_to_29.9	56	102	75	100	74	102	72	102
## 1655	18.5_to_24.9	88	125	66	120	70	122	66	128
## 1656	18.5_to_24.9	88	125	66	120	70	122	66	128
## 1660	25.0_to_29.9	72	138	63	144	64	138	62	138
## 1661	25.0_to_29.9	78	107	76	106	66	106	72	108
## 1662	30.0_plus	78	103	70	NA	NA	106	70	100
## 1663	25.0_to_29.9	70	117	85	116	84	118	86	116
## 1664	25.0_to_29.9	70	117	85	116	84	118	86	116
## 1676	18.5_to_24.9	52	115	78	110	76	116	78	114
## 1677	18.5_to_24.9	52	115	78	110	76	116	78	114
## 1678	30.0_plus	70	112	64	110	68	114	66	110
## 1679	30.0_plus	70	112	64	110	68	114	66	110
## 1681	18.5_to_24.9	52	157	41	156	48	158	44	156
## 1683	25.0_to_29.9	54	124	78	122	80	124	72	124
## 1684	25.0_to_29.9	54	124	78	122	80	124	72	124
## 1685	30.0_plus	82	97	62	108	62	96	62	98
## 1688	30.0_plus	82	110	77	110	78	112	78	108
## 1689	30.0_plus	76	135	84	130	82	136	84	134
## 1690	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1693	18.5_to_24.9	80	115	81	122	78	116	78	114
## 1694	18.5_to_24.9	80	115	81	122	78	116	78	114
## 1695	30.0_plus	72	115	67	114	60	114	66	116
## 1699	18.5_to_24.9	54	95	66	88	64	96	68	94
## 1701	25.0_to_29.9	56	113	60	124	60	112	64	114
## 1702	25.0_to_29.9	56	113	60	124	60	112	64	114
## 1703	25.0_to_29.9	66	122	87	122	88	120	86	124
## 1704	30.0_plus	72	129	77	122	76	128	78	130

## 1705	18.5_to_24.9	96	106	55	108	54	110	52	102
## 1706	18.5_to_24.9	96	106	55	108	54	110	52	102
## 1707	30.0_plus	82	102	76	106	76	104	80	100
## 1708	30.0_plus	76	119	77	124	76	124	76	114
## 1709	25.0_to_29.9	64	101	69	106	62	102	66	100
## 1710	25.0_to_29.9	64	101	69	106	62	102	66	100
## 1711	18.5_to_24.9	68	90	52	94	52	86	50	94
## 1712	18.5_to_24.9	68	90	52	94	52	86	50	94
## 1713	18.5_to_24.9	68	90	52	94	52	86	50	94
## 1714	18.5_to_24.9	68	90	52	94	52	86	50	94
## 1716	25.0_to_29.9	76	107	72	122	68	110	68	104
## 1717	25.0_to_29.9	58	117	59	116	62	116	60	118
## 1718	25.0_to_29.9	58	117	59	116	62	116	60	118
## 1723	25.0_to_29.9	90	114	63	116	68	114	64	114
## 1724	25.0_to_29.9	80	94	55	92	54	98	56	90
## 1725	25.0_to_29.9	80	94	55	92	54	98	56	90
## 1726	18.5_to_24.9	90	114	62	112	66	118	62	110
## 1727	30.0_plus	74	100	0	104	36	98	0	102
## 1733	30.0_plus	96	119	80	114	80	118	80	120
## 1734	30.0_plus	96	119	80	114	80	118	80	120
## 1735	30.0_plus	78	116	83	114	84	116	84	116
## 1736	30.0_plus	78	116	83	114	84	116	84	116
## 1746	30.0_plus	82	117	72	108	74	118	72	116
## 1747	18.5_to_24.9	84	107	58	102	62	108	56	106
## 1748	18.5_to_24.9	84	107	58	102	62	108	56	106
## 1749	25.0_to_29.9	86	173	85	180	90	174	84	172
## 1750	30.0_plus	68	130	64	130	64	NA	NA	NA
## 1751	18.5_to_24.9	66	87	55	NA	NA	92	56	82
## 1752	18.5_to_24.9	66	87	55	NA	NA	92	56	82
## 1754	25.0_to_29.9	60	128	72	126	72	128	76	128
## 1755	25.0_to_29.9	60	128	72	126	72	128	76	128
## 1760	30.0_plus	78	137	72	142	74	138	70	136
## 1761	30.0_plus	78	137	72	142	74	138	70	136
## 1762	30.0_plus	78	137	72	142	74	138	70	136
## 1764	18.5_to_24.9	58	110	76	126	84	NA	NA	110
## 1765	18.5_to_24.9	72	125	80	124	76	122	78	128
## 1766	30.0_plus	82	NA	NA	NA	NA	NA	NA	NA
## 1767	30.0_plus	82	135	86	132	84	136	84	134
## 1768	30.0_plus	60	125	55	138	46	124	56	126
## 1769	12.0_18.5	82	109	72	124	70	108	70	110
## 1771	25.0_to_29.9	84	96	64	100	66	100	62	92
## 1774	25.0_to_29.9	56	120	58	114	60	120	60	120
## 1775	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 1776	25.0_to_29.9	72	135	73	142	72	134	72	136
## 1778	30.0_plus	96	119	33	132	34	120	34	118
## 1780	30.0_plus	92	128	74	132	74	126	78	130
## 1781	30.0_plus	92	128	74	132	74	126	78	130
## 1782	25.0_to_29.9	64	109	59	106	56	108	58	110
## 1783	30.0_plus	82	226	76	232	76	226	74	226
## 1785	30.0_plus	58	115	67	114	70	114	68	116
## 1786	30.0_plus	58	115	67	114	70	114	68	116
## 1787	25.0_to_29.9	76	125	66	122	72	134	66	116
## 1788	25.0_to_29.9	76	125	66	122	72	134	66	116
## 1789	30.0_plus	54	123	76	124	78	128	76	118

## 1790	30.0_plus	54	123	76	124	78	128	76	118
## 1791	30.0_plus	66	115	76	112	78	118	76	112
## 1792	30.0_plus	66	115	76	112	78	118	76	112
## 1793	30.0_plus	66	115	76	112	78	118	76	112
## 1794	25.0_to_29.9	78	118	77	124	82	118	78	118
## 1795	18.5_to_24.9	62	111	72	114	80	112	68	110
## 1796	18.5_to_24.9	62	111	72	114	80	112	68	110
## 1797	18.5_to_24.9	62	111	72	114	80	112	68	110
## 1798	25.0_to_29.9	76	120	84	132	84	126	84	114
## 1799	25.0_to_29.9	76	120	84	132	84	126	84	114
## 1800	25.0_to_29.9	76	120	84	132	84	126	84	114
## 1802	18.5_to_24.9	62	104	58	104	58	NA	NA	NA
## 1803	18.5_to_24.9	70	134	74	144	76	134	74	134
## 1804	18.5_to_24.9	70	134	74	144	76	134	74	134
## 1806	18.5_to_24.9	66	94	41	90	50	96	42	92
## 1807	25.0_to_29.9	58	139	50	138	62	144	48	134
## 1809	25.0_to_29.9	70	122	76	120	80	120	76	124
## 1810	25.0_to_29.9	60	124	82	130	84	124	82	124
## 1811	25.0_to_29.9	60	124	82	130	84	124	82	124
## 1812	25.0_to_29.9	60	124	82	130	84	124	82	124
## 1814	18.5_to_24.9	74	103	69	106	66	108	72	98
## 1815	18.5_to_24.9	78	115	79	112	82	114	80	116
## 1817	18.5_to_24.9	68	146	73	160	76	148	74	144
## 1818	18.5_to_24.9	68	146	73	160	76	148	74	144
## 1820	25.0_to_29.9	114	90	43	102	46	88	40	92
## 1821	25.0_to_29.9	114	90	43	102	46	88	40	92
## 1822	30.0_plus	78	168	75	170	78	168	74	168
## 1826	25.0_to_29.9	62	129	64	132	70	130	70	128
## 1827	25.0_to_29.9	62	129	64	132	70	130	70	128
## 1828	25.0_to_29.9	60	139	61	138	58	142	64	136
## 1830	25.0_to_29.9	66	106	70	110	70	110	70	102
## 1831	25.0_to_29.9	68	112	74	116	78	116	78	108
## 1833	30.0_plus	64	123	72	126	72	124	70	122
## 1834	25.0_to_29.9	76	130	85	126	88	132	86	128
## 1835	30.0_plus	72	124	86	126	90	126	84	122
## 1836	18.5_to_24.9	86	96	74	104	78	NA	NA	96
## 1837	25.0_to_29.9	76	139	65	140	68	136	72	142
## 1838	25.0_to_29.9	66	115	54	112	54	114	56	116
## 1839	25.0_to_29.9	60	106	54	108	64	108	52	104
## 1841	30.0_plus	84	125	63	128	66	126	64	124
## 1842	30.0_plus	84	125	63	128	66	126	64	124
## 1846	30.0_plus	78	122	78	118	74	120	78	124
## 1849	30.0_plus	90	135	0	138	52	136	0	134
## 1852	30.0_plus	74	124	85	118	86	126	84	122
## 1853	18.5_to_24.9	76	126	62	134	62	126	62	NA
## 1854	30.0_plus	88	137	90	136	94	140	94	134
## 1855	30.0_plus	82	153	71	156	64	154	72	152
## 1856	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
## 1859	30.0_plus	60	120	48	148	48	NA	NA	120
## 1860	25.0_to_29.9	54	121	66	114	64	118	68	124
## 1861	30.0_plus	68	99	49	116	48	102	46	96
## 1863	18.5_to_24.9	90	126	54	148	64	128	56	124
## 1864	18.5_to_24.9	90	126	54	148	64	128	56	124
## 1867	30.0_plus	68	122	82	114	92	124	84	120

## 1870	25.0_to_29.9	70	131	78	136	76	134	78	128
## 1871	25.0_to_29.9	102	147	68	148	72	146	70	148
## 1872	25.0_to_29.9	76	134	76	140	70	136	76	132
## 1873	25.0_to_29.9	76	119	69	124	72	116	68	122
## 1877	25.0_to_29.9	76	109	64	114	64	110	64	108
## 1878	30.0_plus	80	117	66	116	66	118	68	116
## 1885	18.5_to_24.9	78	102	73	96	74	98	72	106
## 1887	18.5_to_24.9	66	106	69	106	66	102	68	110
## 1888	18.5_to_24.9	104	113	76	112	76	110	78	116
## 1889	25.0_to_29.9	64	115	74	112	70	116	76	114
## 1893	25.0_to_29.9	78	123	78	126	76	126	74	120
## 1894	18.5_to_24.9	86	102	71	102	68	104	72	100
## 1895	18.5_to_24.9	86	102	71	102	68	104	72	100
## 1896	30.0_plus	80	134	63	140	70	134	62	134
## 1898	18.5_to_24.9	66	98	65	90	60	100	66	96
## 1899	18.5_to_24.9	66	98	65	90	60	100	66	96
## 1900	18.5_to_24.9	66	98	65	90	60	100	66	96
## 1901	18.5_to_24.9	64	126	87	124	92	124	88	128
## 1902	18.5_to_24.9	64	126	87	124	92	124	88	128
## 1903	18.5_to_24.9	64	126	87	124	92	124	88	128
## 1905	25.0_to_29.9	82	118	53	112	66	116	54	120
## 1906	25.0_to_29.9	82	118	53	112	66	116	54	120
## 1907	25.0_to_29.9	82	118	53	112	66	116	54	120
## 1908	18.5_to_24.9	86	132	93	136	88	132	92	132
## 1909	18.5_to_24.9	86	119	80	114	78	118	82	120
## 1910	30.0_plus	78	132	92	134	92	134	90	130
## 1911	18.5_to_24.9	74	120	82	118	84	122	80	118
## 1913	25.0_to_29.9	66	110	66	118	70	106	66	114
## 1915	30.0_plus	66	120	83	126	74	122	86	118
## 1916	30.0_plus	72	125	85	126	84	124	86	126
## 1917	30.0_plus	72	125	85	126	84	124	86	126
## 1918	25.0_to_29.9	90	125	82	136	80	120	84	130
## 1919	18.5_to_24.9	100	125	93	122	90	126	92	124
## 1920	18.5_to_24.9	100	125	93	122	90	126	92	124
## 1921	25.0_to_29.9	64	119	70	130	80	120	78	118
## 1923	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1924	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA
## 1925	30.0_plus	72	113	77	116	74	114	76	112
## 1932	25.0_to_29.9	80	119	66	124	68	122	64	116
## 1933	30.0_plus	58	119	66	118	58	120	66	118
## 1934	30.0_plus	58	119	66	118	58	120	66	118
## 1935	25.0_to_29.9	54	146	72	152	70	148	74	144
## 1936	18.5_to_24.9	68	104	59	102	62	100	56	108
## 1940	18.5_to_24.9	80	118	72	126	76	122	72	114
## 1941	18.5_to_24.9	74	108	68	108	68	110	68	106
## 1942	18.5_to_24.9	74	108	68	108	68	110	68	106
## 1944	18.5_to_24.9	58	114	85	106	74	112	86	116
## 1945	25.0_to_29.9	56	146	81	142	82	144	82	148
## 1946	25.0_to_29.9	56	146	81	142	82	144	82	148
## 1947	25.0_to_29.9	54	154	72	158	74	158	72	150
## 1954	30.0_plus	70	124	80	126	84	126	80	122
## 1955	30.0_plus	58	151	37	156	34	152	38	150
## 1957	30.0_plus	58	NA	NA	NA	NA	NA	NA	NA
## 1958	25.0_to_29.9	NA	NA	NA	NA	NA	NA	NA	NA

##	1959	18.5_to_24.9	78	154	76	162	72	158	76	150
##	1960	18.5_to_24.9	86	127	57	124	58	124	58	130
##	1961	18.5_to_24.9	86	127	57	124	58	124	58	130
##	1962	18.5_to_24.9	86	127	57	124	58	124	58	130
##	1963	18.5_to_24.9	86	127	57	124	58	124	58	130
##	1965	18.5_to_24.9	56	117	66	116	64	116	68	118
##	1966	30.0_plus	NA	NA	NA	NA	NA	NA	NA	NA
##	1968	25.0_to_29.9	72	134	81	140	80	134	86	134
##	1969	25.0_to_29.9	72	134	81	140	80	134	86	134
##	1970	25.0_to_29.9	72	134	81	140	80	134	86	134
##	1974	18.5_to_24.9	78	133	71	134	74	134	72	132
##		BPDia3	Testosterone	DirectChol	TotChol	UrineVol1	UrineFlow1	UrineVol2		
##	1	82	NA	1.29	3.49	352	NA	NA		
##	2	82	NA	1.29	3.49	352	NA	NA		
##	3	82	NA	1.29	3.49	352	NA	NA		
##	5	76	NA	1.16	6.70	77	0.094	NA		
##	8	60	NA	2.12	5.82	106	1.116	NA		
##	9	60	NA	2.12	5.82	106	1.116	NA		
##	10	60	NA	2.12	5.82	106	1.116	NA		
##	11	64	NA	0.67	4.99	113	0.489	NA		
##	12	76	NA	0.96	4.24	163	NA	NA		
##	13	82	NA	1.16	6.41	215	0.903	NA		
##	15	84	NA	1.14	4.78	29	0.299	NA		
##	16	62	NA	1.06	5.22	64	0.190	NA		
##	18	NA	NA	0.91	5.59	155	0.574	NA		
##	19	102	NA	1.34	6.39	238	NA	NA		
##	21	68	NA	2.22	5.79	26	0.194	86		
##	22	68	NA	2.22	5.79	26	0.194	86		
##	23	90	NA	1.53	5.04	133	2.293	NA		
##	24	40	NA	1.60	4.81	168	0.866	NA		
##	25	40	NA	1.60	4.81	168	0.866	NA		
##	26	82	NA	0.93	4.68	73	0.468	NA		
##	28	82	NA	1.11	5.12	344	1.600	NA		
##	29	84	NA	0.67	5.61	86	0.628	NA		
##	30	84	NA	0.67	5.61	86	0.628	NA		
##	31	68	NA	1.37	4.16	127	1.549	NA		
##	32	76	NA	1.32	5.95	70	0.507	NA		
##	33	0	NA	1.06	4.16	42	0.389	NA		
##	34	0	NA	1.06	4.16	42	0.389	NA		
##	35	94	NA	1.24	4.97	105	0.682	NA		
##	36	66	NA	1.81	4.53	131	1.074	NA		
##	37	66	NA	1.81	4.53	131	1.074	NA		
##	45	66	NA	1.55	5.74	57	0.331	NA		
##	46	62	NA	1.40	4.32	45	0.556	50		
##	47	70	NA	1.01	3.36	149	NA	NA		
##	48	66	NA	1.81	4.03	310	1.469	NA		
##	49	60	NA	1.03	5.30	160	1.053	NA		
##	54	72	NA	0.98	4.42	85	1.574	NA		
##	55	52	NA	1.11	4.60	87	0.424	NA		
##	56	64	NA	1.37	4.37	61	NA	NA		
##	58	86	NA	1.32	4.63	72	0.735	NA		
##	59	86	NA	1.32	4.63	72	0.735	NA		
##	60	86	NA	1.32	4.63	72	0.735	NA		
##	63	76	NA	0.83	4.09	27	0.260	41		

## 64	64	NA	NA	NA	NA	NA	NA
## 65	64	NA	NA	NA	NA	NA	NA
## 66	74	NA	1.01	5.33	176	1.257	NA
## 67	74	NA	1.01	5.33	176	1.257	NA
## 68	74	NA	1.01	5.33	176	1.257	NA
## 72	64	NA	1.66	7.32	328	1.964	NA
## 73	64	NA	1.66	7.32	328	1.964	NA
## 75	NA	NA	1.22	4.45	208	5.073	NA
## 76	70	NA	2.09	4.29	50	0.633	NA
## 77	70	NA	2.09	4.29	50	0.633	NA
## 78	70	NA	2.09	4.29	50	0.633	NA
## 79	76	NA	0.91	3.83	235	1.335	NA
## 80	68	NA	1.32	5.79	135	1.080	NA
## 81	68	NA	1.32	5.79	135	1.080	NA
## 82	68	NA	1.32	5.79	135	1.080	NA
## 83	62	NA	0.98	4.84	115	0.913	NA
## 84	62	NA	0.98	4.84	115	0.913	NA
## 85	62	NA	0.98	4.84	115	0.913	NA
## 86	62	NA	0.98	4.84	115	0.913	NA
## 90	86	NA	2.43	7.03	15	0.238	68
## 91	86	NA	2.43	7.03	15	0.238	68
## 93	76	NA	0.98	8.09	32	0.057	NA
## 94	76	NA	1.86	4.97	108	0.628	NA
## 95	90	NA	1.78	6.03	81	0.547	NA
## 96	62	NA	1.53	4.81	57	0.475	NA
## 97	64	NA	1.81	4.01	313	3.817	NA
## 101	58	NA	1.71	5.69	87	0.537	NA
## 102	72	NA	NA	NA	21	0.110	NA
## 103	72	NA	NA	NA	21	0.110	NA
## 104	74	NA	2.02	3.72	300	3.093	NA
## 105	74	NA	2.02	3.72	300	3.093	NA
## 106	74	NA	2.02	3.72	300	3.093	NA
## 107	68	NA	0.88	4.71	35	0.461	164
## 108	68	NA	0.88	4.71	35	0.461	164
## 109	68	NA	0.88	4.71	35	0.461	164
## 111	62	NA	1.32	4.89	101	0.673	NA
## 112	82	NA	1.27	5.84	160	1.159	NA
## 113	82	NA	1.27	5.84	160	1.159	NA
## 114	68	NA	1.58	4.09	172	0.575	NA
## 115	68	NA	1.16	5.51	33	0.717	399
## 116	40	NA	1.66	7.29	52	0.231	NA
## 117	62	NA	1.71	4.19	57	0.210	NA
## 118	62	NA	1.71	4.19	57	0.210	NA
## 119	62	NA	1.71	4.19	57	0.210	NA
## 120	62	NA	1.71	4.19	57	0.210	NA
## 121	72	NA	1.86	4.09	69	0.556	NA
## 123	56	NA	1.29	5.48	44	0.530	NA
## 124	76	NA	1.68	5.59	184	1.070	NA
## 125	64	NA	1.24	8.35	124	1.159	NA
## 126	66	NA	1.09	5.35	268	1.360	NA
## 127	80	NA	0.85	4.63	44	0.484	NA
## 128	52	NA	0.98	3.80	17	0.058	NA
## 130	76	NA	1.06	5.07	98	0.620	NA
## 131	64	NA	1.16	4.24	237	1.331	NA

## 132	64	NA	1.16	4.24	237	1.331	NA
## 133	64	NA	1.16	4.24	237	1.331	NA
## 134	76	NA	1.29	3.70	79	0.230	NA
## 135	76	NA	1.29	3.70	79	0.230	NA
## 136	86	NA	1.01	3.98	68	1.619	NA
## 139	84	NA	1.47	5.51	209	1.094	NA
## 140	84	NA	1.47	5.51	209	1.094	NA
## 141	NA	NA	1.11	5.40	103	1.132	NA
## 142	98	NA	1.27	5.82	213	1.392	NA
## 143	60	NA	1.58	4.81	208	1.342	NA
## 144	96	NA	1.24	5.17	139	1.544	NA
## 145	82	NA	1.19	5.97	196	1.903	NA
## 146	82	NA	1.19	5.97	196	1.903	NA
## 147	76	NA	1.32	5.35	198	3.736	NA
## 148	76	NA	1.32	5.35	198	3.736	NA
## 149	72	NA	1.27	7.19	56	0.514	NA
## 150	NA	NA	2.43	6.13	166	3.132	NA
## 151	NA	NA	2.43	6.13	166	3.132	NA
## 152	74	NA	1.47	4.34	26	0.183	NA
## 155	66	NA	1.06	6.83	191	0.697	NA
## 156	66	NA	1.06	6.83	191	0.697	NA
## 157	66	NA	1.06	6.83	191	0.697	NA
## 158	66	NA	1.06	6.83	191	0.697	NA
## 159	54	NA	0.67	4.99	187	0.327	NA
## 160	78	NA	1.34	3.78	106	1.432	NA
## 162	64	NA	1.22	5.56	27	0.191	42
## 163	64	NA	1.22	5.56	27	0.191	42
## 164	84	NA	1.73	5.17	69	0.986	NA
## 165	62	NA	1.73	4.71	258	1.284	NA
## 167	58	NA	0.98	5.40	158	0.568	NA
## 168	84	NA	0.85	5.30	300	2.083	NA
## 169	84	NA	0.85	5.30	300	2.083	NA
## 170	70	NA	2.25	4.91	42	0.656	NA
## 171	78	NA	1.06	5.82	168	0.587	NA
## 172	74	NA	1.29	4.86	204	1.889	NA
## 173	74	NA	1.29	4.86	204	1.889	NA
## 175	72	NA	2.59	5.90	244	2.515	NA
## 176	72	NA	2.59	5.90	244	2.515	NA
## 179	60	NA	1.63	5.25	116	3.135	NA
## 180	60	NA	1.63	5.25	116	3.135	NA
## 181	64	NA	1.19	4.97	275	2.778	NA
## 182	56	NA	0.88	4.32	50	0.202	NA
## 183	56	NA	0.88	4.32	50	0.202	NA
## 184	78	NA	1.16	6.72	171	2.478	NA
## 185	78	NA	1.16	6.72	171	2.478	NA
## 187	56	NA	2.04	5.87	29	0.296	129
## 188	56	NA	2.04	5.87	29	0.296	129
## 189	72	NA	1.03	3.78	120	0.902	NA
## 190	72	NA	1.03	3.78	120	0.902	NA
## 192	82	NA	0.54	4.40	383	1.765	NA
## 193	82	NA	0.54	4.40	383	1.765	NA
## 194	62	NA	1.03	3.26	78	0.600	NA
## 195	64	NA	0.88	5.22	39	0.225	141
## 197	68	NA	0.93	4.58	85	0.680	NA

## 198	68	NA	0.93	4.58	85	0.680	NA
## 199	66	NA	1.47	6.47	24	0.387	252
## 201	40	NA	1.32	5.02	94	1.221	NA
## 204	70	NA	1.01	5.59	201	1.098	NA
## 205	66	NA	2.02	3.67	223	2.253	NA
## 206	78	NA	1.24	4.01	153	0.600	NA
## 207	NA	NA	NA	NA	NA	NA	NA
## 209	82	NA	1.16	5.02	323	5.383	NA
## 211	54	NA	1.06	4.34	17	0.167	66
## 212	74	NA	1.06	5.30	32	0.516	111
## 213	74	NA	1.06	5.30	32	0.516	111
## 214	58	NA	1.84	5.09	15	0.211	14
## 216	72	NA	1.47	5.64	162	2.613	NA
## 217	72	NA	1.47	5.64	162	2.613	NA
## 218	68	NA	1.16	5.33	61	0.792	NA
## 219	68	NA	1.16	5.33	61	0.792	NA
## 222	56	NA	2.12	6.05	38	0.543	72
## 223	76	NA	1.97	4.73	97	0.443	NA
## 225	82	NA	1.53	4.86	163	1.630	NA
## 226	82	NA	1.53	4.86	163	1.630	NA
## 228	84	NA	1.16	4.86	141	1.007	NA
## 229	64	NA	0.80	4.81	39	0.293	NA
## 230	64	NA	0.80	4.81	39	0.293	NA
## 234	66	NA	1.03	5.61	20	0.238	119
## 235	66	NA	1.84	5.33	120	1.622	NA
## 236	68	NA	0.70	4.09	39	0.453	NA
## 237	68	NA	0.70	4.09	39	0.453	NA
## 239	70	NA	2.33	5.64	14	0.467	188
## 240	70	NA	2.33	5.64	14	0.467	188
## 241	70	NA	2.33	5.64	14	0.467	188
## 242	40	NA	1.97	6.00	8	0.032	112
## 243	40	NA	1.97	6.00	8	0.032	112
## 244	54	NA	1.76	6.49	122	NA	NA
## 245	54	NA	1.76	6.49	122	NA	NA
## 247	78	NA	1.97	4.78	117	0.807	NA
## 249	68	NA	1.09	4.97	72	0.791	NA
## 250	54	NA	1.06	3.10	125	1.116	NA
## 251	54	NA	1.06	3.10	125	1.116	NA
## 252	54	NA	1.06	3.10	125	1.116	NA
## 253	66	NA	1.45	5.61	67	1.117	NA
## 254	66	NA	1.32	5.51	33	0.282	35
## 255	68	NA	0.98	5.35	127	NA	NA
## 256	68	NA	0.98	5.35	127	NA	NA
## 257	92	NA	2.43	4.22	181	0.978	NA
## 258	82	NA	1.11	3.57	112	0.384	NA
## 259	76	NA	1.19	5.79	261	1.032	NA
## 260	80	NA	0.72	4.63	130	2.131	NA
## 262	70	NA	1.01	7.55	85	0.794	NA
## 263	70	NA	1.01	7.55	85	0.794	NA
## 264	74	NA	1.63	4.29	214	1.372	NA
## 265	62	NA	1.24	5.25	146	1.248	NA
## 267	70	NA	1.50	4.32	52	0.800	NA
## 269	76	NA	1.22	5.59	128	1.153	NA
## 270	76	NA	1.22	5.59	128	1.153	NA

## 271	76	NA	0.93	4.42	30	0.811	52
## 272	76	NA	1.40	4.65	140	0.375	NA
## 274	48	NA	1.29	3.90	83	0.322	NA
## 275	76	NA	0.91	3.80	17	0.073	50
## 278	54	NA	0.88	3.85	302	0.944	NA
## 279	54	NA	0.88	3.85	302	0.944	NA
## 280	74	NA	1.94	5.38	107	1.103	NA
## 282	76	NA	1.27	5.69	68	0.430	NA
## 283	76	NA	1.27	5.69	68	0.430	NA
## 284	78	NA	0.78	4.22	24	0.522	100
## 285	64	NA	1.40	4.86	71	0.504	NA
## 286	64	NA	1.40	4.86	71	0.504	NA
## 287	64	NA	1.40	4.86	71	0.504	NA
## 289	54	NA	1.60	5.48	21	0.368	89
## 290	54	NA	1.60	5.48	21	0.368	89
## 291	54	NA	1.60	5.48	21	0.368	89
## 292	70	NA	1.24	4.45	60	0.500	NA
## 293	70	NA	1.24	4.45	60	0.500	NA
## 296	60	NA	1.01	4.11	317	NA	NA
## 297	70	NA	1.29	4.53	181	1.097	NA
## 298	70	NA	1.14	3.54	150	2.206	NA
## 299	70	NA	1.14	3.54	150	2.206	NA
## 300	70	NA	1.14	3.54	150	2.206	NA
## 301	70	NA	1.14	3.54	150	2.206	NA
## 303	64	NA	1.34	4.34	54	0.273	NA
## 304	64	NA	1.34	4.34	54	0.273	NA
## 306	88	NA	0.62	4.84	166	3.458	NA
## 307	NA	NA	0.91	6.05	124	0.832	NA
## 308	NA	NA	0.91	6.05	124	0.832	NA
## 309	48	NA	1.06	3.93	259	1.328	NA
## 310	48	NA	1.06	3.93	259	1.328	NA
## 311	86	NA	1.22	5.79	235	1.577	NA
## 312	76	NA	2.59	5.04	239	2.915	NA
## 313	76	NA	2.59	5.04	239	2.915	NA
## 315	34	NA	2.15	5.30	58	0.331	NA
## 316	34	NA	2.15	5.30	58	0.331	NA
## 317	72	NA	0.98	4.37	355	1.740	NA
## 319	62	NA	1.50	3.88	59	0.378	NA
## 320	68	NA	0.98	7.47	191	4.244	NA
## 321	62	NA	1.06	4.76	246	1.937	NA
## 322	62	NA	1.06	4.76	246	1.937	NA
## 324	78	NA	0.96	5.74	87	0.654	NA
## 325	64	NA	1.32	5.02	44	0.524	NA
## 326	78	NA	2.15	5.61	188	1.435	NA
## 327	86	NA	1.16	5.82	286	1.607	NA
## 328	86	NA	1.16	5.82	286	1.607	NA
## 332	76	NA	1.29	4.50	52	0.142	NA
## 333	66	NA	1.01	5.12	161	NA	NA
## 334	48	NA	1.81	5.30	302	1.024	NA
## 335	80	NA	3.44	5.51	358	5.042	NA
## 336	80	NA	3.44	5.51	358	5.042	NA
## 337	80	NA	3.44	5.51	358	5.042	NA
## 342	64	NA	1.32	3.90	108	0.468	NA
## 343	72	NA	1.76	5.30	109	0.832	NA

## 344	62	NA	1.73	4.71	190	0.305	NA
## 345	72	NA	0.85	3.98	0	0.000	NA
## 346	72	NA	0.85	3.98	0	0.000	NA
## 348	86	NA	1.37	5.61	210	2.386	NA
## 349	NA	NA	1.11	4.65	42	0.447	262
## 350	70	NA	1.68	4.14	56	0.500	NA
## 352	56	NA	1.01	4.40	146	NA	NA
## 354	68	NA	2.43	7.34	24	0.200	64
## 355	74	NA	1.60	4.86	87	0.561	NA
## 358	94	NA	1.11	3.36	53	0.828	NA
## 359	52	NA	1.50	6.18	131	0.879	NA
## 360	52	NA	1.50	6.18	131	0.879	NA
## 361	74	NA	1.91	6.62	414	1.865	NA
## 364	64	NA	0.85	5.61	154	1.604	NA
## 366	62	NA	1.37	7.24	162	0.720	NA
## 367	60	NA	1.11	5.69	55	0.355	NA
## 368	78	NA	1.22	4.73	448	1.572	NA
## 369	64	NA	1.06	5.17	328	2.563	NA
## 370	64	NA	1.32	5.48	50	0.481	NA
## 371	64	NA	1.32	5.48	50	0.481	NA
## 374	72	NA	1.76	6.00	136	0.386	NA
## 375	66	NA	1.22	5.56	41	0.539	NA
## 376	68	NA	1.60	6.57	151	0.751	NA
## 377	NA	NA	NA	NA	262	2.031	NA
## 378	NA	NA	1.40	5.79	64	0.529	NA
## 380	86	NA	2.02	8.82	74	0.370	NA
## 381	84	NA	1.50	5.43	153	0.736	NA
## 382	84	NA	1.50	5.43	153	0.736	NA
## 383	84	NA	1.50	5.43	153	0.736	NA
## 384	66	NA	1.32	3.83	72	1.565	NA
## 385	76	NA	1.68	4.09	107	0.877	NA
## 387	80	NA	0.96	3.90	51	0.548	NA
## 388	80	NA	0.96	3.90	51	0.548	NA
## 389	62	NA	1.50	5.38	378	3.500	NA
## 390	74	NA	1.27	5.46	0	0.000	NA
## 391	80	NA	1.42	4.19	192	0.681	NA
## 392	80	NA	1.42	4.19	192	0.681	NA
## 397	80	NA	1.99	4.22	47	0.635	NA
## 398	68	NA	0.93	4.91	76	0.724	NA
## 399	68	NA	0.93	4.91	76	0.724	NA
## 400	68	NA	0.93	4.91	76	0.724	NA
## 401	68	NA	1.71	7.86	190	0.745	NA
## 404	70	NA	0.78	5.90	164	0.745	NA
## 405	70	NA	0.78	5.90	164	0.745	NA
## 406	70	NA	0.78	5.90	164	0.745	NA
## 408	62	NA	1.47	3.54	16	0.099	67
## 409	62	NA	1.47	3.54	16	0.099	67
## 410	76	NA	1.94	6.21	38	0.905	NA
## 415	84	NA	0.96	3.98	125	0.786	NA
## 416	84	NA	0.96	3.98	125	0.786	NA
## 417	78	NA	1.03	4.53	253	3.085	NA
## 418	78	NA	1.03	4.53	253	3.085	NA
## 419	78	NA	1.03	4.53	253	3.085	NA
## 425	82	NA	1.40	5.84	64	0.970	NA

## 428	76	NA	NA	NA	89	0.589	NA
## 429	62	NA	1.66	4.09	242	1.085	NA
## 430	62	NA	1.66	4.09	242	1.085	NA
## 431	62	NA	1.66	4.09	242	1.085	NA
## 432	74	NA	1.76	7.19	83	0.933	NA
## 433	74	NA	1.76	7.19	83	0.933	NA
## 434	76	NA	1.40	5.84	150	0.769	NA
## 436	84	NA	1.91	6.18	174	0.817	NA
## 437	84	NA	1.91	6.18	174	0.817	NA
## 438	84	NA	1.91	6.18	174	0.817	NA
## 439	84	NA	1.91	6.18	174	0.817	NA
## 440	76	NA	0.80	5.59	64	NA	NA
## 441	60	NA	1.53	4.55	56	1.366	NA
## 444	70	NA	1.89	5.02	150	NA	NA
## 445	66	NA	2.15	6.05	16	0.122	61
## 446	66	NA	2.15	6.05	16	0.122	61
## 450	68	NA	1.50	5.92	146	0.573	NA
## 451	68	NA	1.50	5.92	146	0.573	NA
## 452	76	NA	1.16	5.74	183	0.642	NA
## 453	76	NA	1.16	5.74	183	0.642	NA
## 454	84	NA	1.32	5.30	108	1.038	NA
## 455	74	NA	0.96	6.23	63	0.548	NA
## 458	62	NA	1.55	5.22	40	0.580	NA
## 459	62	NA	1.55	5.22	40	0.580	NA
## 460	96	NA	1.06	5.69	93	1.081	NA
## 462	56	NA	1.97	4.84	20	0.364	43
## 463	56	NA	1.97	4.84	20	0.364	43
## 464	56	NA	1.97	4.84	20	0.364	43
## 466	72	NA	1.55	5.48	115	1.223	NA
## 467	64	NA	1.58	3.59	50	0.694	78
## 468	86	NA	0.96	6.00	120	0.896	NA
## 469	90	NA	1.55	5.28	89	1.085	NA
## 470	66	NA	1.27	3.78	128	0.660	NA
## 471	66	NA	0.52	4.81	113	0.549	NA
## 472	66	NA	0.52	4.81	113	0.549	NA
## 473	78	NA	0.96	4.09	164	1.323	NA
## 474	62	NA	1.34	4.11	28	0.412	44
## 475	62	NA	1.34	4.11	28	0.412	44
## 477	72	NA	1.34	5.20	78	1.026	NA
## 478	78	NA	1.42	5.59	94	0.212	NA
## 479	78	NA	1.42	5.59	94	0.212	NA
## 480	74	NA	2.04	7.42	226	0.779	NA
## 481	74	NA	2.04	7.42	226	0.779	NA
## 482	84	NA	1.63	5.48	32	0.800	215
## 483	84	NA	1.63	5.48	32	0.800	215
## 484	52	NA	2.09	6.03	52	0.839	NA
## 485	68	NA	1.68	5.56	86	0.925	NA
## 487	NA	NA	NA	NA	NA	NA	NA
## 488	56	NA	1.42	4.14	34	0.160	NA
## 489	78	NA	0.85	5.79	65	0.378	NA
## 490	78	NA	0.85	5.79	65	0.378	NA
## 491	58	NA	1.84	4.29	312	1.479	NA
## 492	58	NA	1.84	4.29	312	1.479	NA
## 494	68	NA	0.59	4.91	90	0.634	NA

## 495	68	NA	0.59	4.91	90	0.634	NA
## 497	72	NA	0.67	3.72	193	NA	NA
## 498	62	NA	0.96	4.34	86	1.323	NA
## 499	58	NA	0.80	4.97	167	NA	NA
## 500	60	NA	1.63	4.29	76	0.826	NA
## 501	60	NA	1.63	4.29	76	0.826	NA
## 502	60	NA	1.63	4.29	76	0.826	NA
## 503	60	NA	1.63	4.29	76	0.826	NA
## 504	64	NA	1.73	7.58	31	0.166	NA
## 511	102	NA	1.34	5.12	166	0.769	NA
## 512	86	NA	1.40	3.67	14	0.226	118
## 513	52	NA	1.86	4.60	46	1.243	NA
## 514	82	NA	1.55	5.43	66	0.943	NA
## 515	30	NA	NA	NA	NA	NA	NA
## 516	60	NA	0.85	3.72	69	0.831	NA
## 519	68	NA	1.97	6.70	44	0.217	NA
## 522	54	NA	1.99	4.40	282	NA	NA
## 523	60	NA	2.04	4.78	134	0.931	NA
## 524	72	NA	1.29	3.88	123	0.946	NA
## 525	88	NA	1.58	6.21	188	1.126	NA
## 526	NA	NA	1.55	4.50	36	0.303	52
## 527	NA	NA	1.14	4.47	66	1.015	NA
## 528	70	NA	0.75	3.41	18	0.857	34
## 529	54	NA	1.22	4.76	68	0.986	NA
## 531	70	NA	1.37	5.53	121	0.448	NA
## 532	70	NA	1.37	5.53	121	0.448	NA
## 534	80	NA	0.80	6.00	262	0.787	NA
## 538	NA	NA	1.29	4.94	94	0.870	NA
## 539	74	NA	NA	NA	61	0.859	NA
## 540	74	NA	NA	NA	61	0.859	NA
## 541	88	NA	1.09	4.78	21	0.339	92
## 542	70	NA	1.55	5.38	98	0.438	NA
## 543	70	NA	1.55	5.38	98	0.438	NA
## 544	64	NA	1.99	6.98	54	0.415	NA
## 545	72	NA	NA	NA	0	NA	NA
## 546	72	NA	NA	NA	0	NA	NA
## 547	78	NA	1.19	5.40	39	0.379	42
## 549	76	NA	2.07	5.51	129	1.985	NA
## 550	80	NA	2.12	5.79	235	2.670	NA
## 551	80	NA	2.12	5.79	235	2.670	NA
## 552	48	NA	0.70	5.64	74	0.556	NA
## 553	62	NA	1.97	3.54	110	2.391	NA
## 556	NA	NA	1.24	5.38	287	1.347	NA
## 557	80	NA	1.11	4.27	148	0.525	NA
## 558	64	NA	1.97	6.03	122	1.371	NA
## 559	64	NA	1.97	6.03	122	1.371	NA
## 560	70	NA	1.73	3.93	67	0.500	NA
## 561	86	NA	1.01	5.38	50	0.543	NA
## 563	74	NA	1.60	6.80	176	1.796	NA
## 565	40	NA	1.01	5.79	38	0.576	110
## 566	40	NA	1.01	5.79	38	0.576	110
## 567	40	NA	1.01	5.79	38	0.576	110
## 568	58	NA	NA	NA	34	0.254	NA
## 569	58	NA	NA	NA	34	0.254	NA

## 570	58	NA	NA	NA	34	0.254	NA
## 572	86	NA	1.27	4.94	181	1.160	NA
## 573	86	NA	1.27	4.94	181	1.160	NA
## 574	60	NA	1.24	4.73	171	0.701	NA
## 576	86	NA	1.40	6.90	273	1.685	NA
## 580	58	NA	0.91	5.02	26	0.456	21
## 581	68	NA	1.81	4.42	159	4.543	NA
## 582	NA	NA	1.45	5.07	108	0.621	NA
## 585	64	NA	1.22	4.86	37	0.500	270
## 586	64	NA	1.22	4.86	37	0.500	270
## 587	62	NA	1.24	4.84	104	0.693	NA
## 590	74	NA	1.73	4.99	56	0.528	NA
## 593	86	NA	1.40	3.90	92	0.902	NA
## 594	74	NA	1.76	6.28	18	0.600	59
## 595	74	NA	1.76	6.28	18	0.600	59
## 596	74	NA	1.76	6.28	18	0.600	59
## 597	52	NA	0.98	5.20	176	0.941	NA
## 598	52	NA	0.98	5.20	176	0.941	NA
## 599	0	NA	NA	NA	227	1.188	NA
## 600	74	NA	1.01	6.75	28	0.333	100
## 601	74	NA	1.01	6.75	28	0.333	100
## 602	66	NA	NA	NA	45	0.308	NA
## 603	66	NA	NA	NA	45	0.308	NA
## 604	68	NA	1.16	4.06	106	0.679	NA
## 605	80	NA	1.24	3.98	90	1.169	NA
## 606	80	NA	1.24	3.98	90	1.169	NA
## 608	56	NA	2.04	6.44	49	0.495	NA
## 609	NA	NA	1.24	5.35	269	1.401	NA
## 610	76	NA	2.22	5.92	89	2.171	NA
## 612	74	NA	0.75	4.65	10	0.132	106
## 614	86	NA	1.66	6.10	142	1.060	NA
## 615	68	NA	1.24	5.38	62	1.550	NA
## 616	66	NA	1.50	4.94	44	0.396	NA
## 617	66	NA	1.50	4.94	44	0.396	NA
## 620	88	NA	1.40	4.84	166	2.441	NA
## 625	NA	NA	1.06	8.12	87	1.061	NA
## 626	74	NA	NA	NA	51	0.429	NA
## 628	70	NA	1.47	3.54	122	0.853	NA
## 629	70	NA	1.47	3.54	122	0.853	NA
## 632	80	NA	1.58	4.73	127	NA	NA
## 633	80	NA	1.58	4.73	127	NA	NA
## 634	64	NA	1.14	4.42	307	1.258	NA
## 637	68	NA	2.04	8.59	126	1.167	NA
## 638	68	NA	2.04	8.59	126	1.167	NA
## 640	62	NA	1.27	4.29	53	0.654	NA
## 641	NA	NA	0.80	4.47	122	1.605	NA
## 642	NA	NA	0.80	4.47	122	1.605	NA
## 643	NA	NA	0.80	4.47	122	1.605	NA
## 646	68	NA	0.57	4.47	308	0.686	NA
## 647	68	NA	0.57	4.47	308	0.686	NA
## 648	68	NA	0.57	4.47	308	0.686	NA
## 652	76	NA	1.45	4.16	39	0.886	20
## 653	74	NA	1.53	4.58	119	0.713	NA
## 654	74	NA	1.53	4.58	119	0.713	NA

## 655	74	NA	1.53	4.58	119	0.713	NA
## 656	64	NA	1.22	5.48	148	1.947	NA
## 657	72	NA	2.40	5.61	99	1.650	NA
## 658	72	NA	2.40	5.61	99	1.650	NA
## 659	56	NA	1.47	4.63	122	0.652	NA
## 660	56	NA	1.47	4.63	122	0.652	NA
## 661	56	NA	1.47	4.63	122	0.652	NA
## 662	56	NA	1.47	4.63	122	0.652	NA
## 663	74	NA	1.03	5.17	23	NA	97
## 665	80	NA	2.38	4.81	144	1.171	NA
## 666	90	NA	0.98	4.68	154	1.176	NA
## 672	74	NA	1.73	3.98	316	1.699	NA
## 675	76	NA	0.96	3.93	37	0.925	83
## 676	76	NA	0.96	3.93	37	0.925	83
## 677	NA	NA	1.06	4.58	56	0.165	NA
## 681	NA	NA	1.97	5.56	149	1.211	NA
## 682	58	NA	1.97	6.05	346	1.680	NA
## 683	58	NA	1.97	6.05	346	1.680	NA
## 685	68	NA	1.58	6.36	79	0.395	NA
## 686	68	NA	1.58	6.36	79	0.395	NA
## 695	56	NA	1.14	5.30	138	3.000	NA
## 696	70	NA	0.70	7.73	20	0.241	98
## 697	74	NA	2.07	6.49	115	0.653	NA
## 698	74	NA	2.07	6.49	115	0.653	NA
## 699	80	NA	1.50	5.92	18	0.529	93
## 700	80	NA	1.50	5.92	18	0.529	93
## 701	NA	NA	1.09	6.72	124	1.459	NA
## 702	NA	NA	1.09	6.72	124	1.459	NA
## 703	NA	NA	1.09	6.72	124	1.459	NA
## 706	72	NA	1.19	3.57	30	0.250	21
## 707	66	NA	1.24	4.89	7	0.101	20
## 710	38	NA	1.32	3.54	67	1.000	NA
## 712	72	NA	0.96	5.28	81	0.880	NA
## 713	72	NA	0.96	5.28	81	0.880	NA
## 714	76	NA	0.93	4.06	47	0.448	NA
## 715	70	NA	1.60	6.03	56	0.346	NA
## 716	54	NA	1.71	7.50	19	0.176	35
## 717	72	NA	1.53	5.35	83	0.585	NA
## 719	74	NA	1.73	7.45	106	0.646	NA
## 720	74	NA	1.73	7.45	106	0.646	NA
## 721	74	NA	1.73	7.45	106	0.646	NA
## 722	74	NA	1.73	7.45	106	0.646	NA
## 723	76	NA	1.06	5.22	36	0.375	NA
## 724	54	NA	1.45	4.47	79	1.000	NA
## 725	78	NA	1.16	4.03	21	NA	254
## 726	78	NA	2.25	5.22	34	NA	190
## 727	78	NA	2.25	5.22	34	NA	190
## 728	68	NA	1.32	4.34	106	0.150	NA
## 731	60	NA	0.96	5.20	86	0.811	NA
## 732	92	NA	1.01	4.60	6	0.063	132
## 733	66	NA	1.09	3.72	26	NA	202
## 734	66	NA	1.09	3.72	26	NA	202
## 739	84	NA	1.27	6.41	152	0.927	NA
## 740	70	NA	NA	NA	42	0.977	118

## 741	NA	NA	0.93	4.73	NA	NA	NA
## 743	86	NA	1.01	5.48	223	0.431	NA
## 744	86	NA	1.01	5.48	223	0.431	NA
## 745	76	NA	2.48	5.48	38	0.199	NA
## 751	66	NA	1.01	5.48	36	0.267	NA
## 752	82	NA	NA	NA	198	NA	NA
## 753	82	NA	NA	NA	198	NA	NA
## 756	48	NA	NA	NA	NA	NA	NA
## 757	76	NA	1.84	5.28	117	1.603	NA
## 760	NA	NA	1.53	4.81	176	0.822	NA
## 761	NA	NA	1.53	5.12	72	0.281	NA
## 764	68	NA	1.24	4.89	174	2.096	NA
## 766	NA	NA	1.78	5.25	72	0.818	NA
## 767	86	NA	1.06	5.22	357	2.100	NA
## 769	66	NA	0.98	4.34	34	0.180	106
## 772	74	NA	1.16	4.86	225	NA	NA
## 774	46	NA	0.85	3.47	27	0.643	71
## 775	74	NA	1.11	3.39	31	0.178	160
## 779	56	NA	1.94	4.03	160	2.133	NA
## 780	96	NA	1.11	4.97	37	NA	NA
## 781	72	NA	1.97	6.90	81	3.240	NA
## 782	72	NA	1.97	6.90	81	3.240	NA
## 783	64	NA	1.42	4.14	135	0.509	NA
## 786	56	NA	1.14	3.85	1	NA	95
## 787	56	NA	1.14	3.85	1	NA	95
## 788	80	NA	0.83	6.44	58	0.307	NA
## 791	66	NA	1.71	4.34	56	1.556	NA
## 792	84	NA	0.96	5.59	190	1.545	NA
## 793	84	NA	0.96	5.59	190	1.545	NA
## 797	70	NA	1.22	5.51	137	1.427	NA
## 798	70	NA	1.60	6.41	64	0.254	NA
## 799	70	NA	1.60	6.41	64	0.254	NA
## 800	52	NA	1.84	4.68	30	0.224	79
## 801	52	NA	1.84	4.68	30	0.224	79
## 802	64	NA	1.03	4.47	217	2.359	NA
## 808	60	NA	1.60	4.63	20	0.465	230
## 809	60	NA	1.14	4.55	107	0.416	NA
## 813	92	NA	0.93	3.90	70	0.686	NA
## 814	92	NA	0.93	3.90	70	0.686	NA
## 815	92	NA	0.93	3.90	70	0.686	NA
## 816	92	NA	0.93	3.90	70	0.686	NA
## 818	72	NA	1.03	4.47	42	NA	NA
## 819	74	NA	1.06	4.40	209	1.174	NA
## 821	66	NA	0.91	4.55	134	0.854	NA
## 822	66	NA	0.91	4.55	134	0.854	NA
## 823	66	NA	0.91	4.55	134	0.854	NA
## 827	86	NA	0.75	5.92	156	NA	NA
## 828	78	NA	NA	NA	96	0.990	NA
## 832	66	NA	1.60	4.60	226	1.395	NA
## 833	66	NA	1.60	4.60	226	1.395	NA
## 834	60	NA	1.89	6.13	366	0.915	NA
## 835	54	NA	1.53	4.34	162	0.686	NA
## 836	54	NA	1.53	4.34	162	0.686	NA
## 837	54	NA	1.53	4.34	162	0.686	NA

## 839	64	NA	0.93	5.40	38	0.745	72
## 840	64	NA	0.93	5.40	38	0.745	72
## 842	64	NA	NA	NA	103	0.888	NA
## 843	64	NA	NA	NA	103	0.888	NA
## 844	64	NA	NA	NA	103	0.888	NA
## 846	72	NA	1.40	4.65	118	0.803	NA
## 847	72	NA	1.40	4.65	118	0.803	NA
## 848	72	NA	1.40	4.65	118	0.803	NA
## 849	72	NA	1.40	4.65	118	0.803	NA
## 850	72	NA	1.40	4.65	118	0.803	NA
## 851	72	NA	2.17	3.88	196	1.766	NA
## 852	62	NA	NA	NA	35	0.461	289
## 853	62	NA	NA	NA	35	0.461	289
## 854	72	NA	2.77	5.69	52	0.235	NA
## 855	66	NA	1.29	5.28	110	0.859	NA
## 856	70	NA	1.16	6.88	96	0.960	NA
## 857	74	NA	1.50	4.84	194	1.960	NA
## 858	74	NA	1.50	4.84	194	1.960	NA
## 861	66	NA	1.40	6.18	173	1.161	NA
## 863	64	NA	1.58	5.28	45	0.608	NA
## 864	82	NA	1.14	7.73	57	0.966	NA
## 865	82	NA	1.14	7.73	57	0.966	NA
## 867	NA	NA	NA	NA	NA	NA	NA
## 868	64	NA	1.22	4.22	205	1.213	NA
## 869	76	NA	0.80	4.47	334	2.024	NA
## 875	88	NA	1.29	5.84	30	0.882	278
## 876	88	NA	1.29	5.84	30	0.882	278
## 877	88	NA	1.29	5.84	30	0.882	278
## 878	NA	NA	1.66	5.35	36	0.480	7
## 879	NA	NA	1.66	5.35	36	0.480	7
## 880	86	NA	1.40	8.15	74	0.548	NA
## 881	86	NA	1.40	8.15	74	0.548	NA
## 882	76	NA	1.81	4.97	71	0.934	NA
## 884	74	NA	0.93	5.02	157	0.849	NA
## 885	74	NA	0.93	5.02	157	0.849	NA
## 886	74	NA	0.93	5.02	157	0.849	NA
## 888	52	NA	NA	NA	122	1.341	NA
## 889	52	NA	NA	NA	122	1.341	NA
## 890	64	NA	0.96	4.94	349	1.551	NA
## 892	52	NA	1.91	4.42	34	0.181	NA
## 897	60	NA	1.47	5.90	212	1.076	NA
## 898	60	NA	1.47	5.90	212	1.076	NA
## 901	84	NA	1.53	8.61	56	0.350	NA
## 902	74	NA	0.65	5.35	131	0.633	NA
## 905	68	NA	1.22	7.40	269	2.745	NA
## 906	64	NA	0.85	5.02	113	0.801	NA
## 907	64	NA	0.85	5.02	113	0.801	NA
## 908	74	NA	2.28	6.15	382	1.729	NA
## 909	74	NA	2.28	6.15	382	1.729	NA
## 910	78	NA	1.22	4.55	30	0.390	147
## 911	78	NA	1.01	4.58	56	0.824	NA
## 913	70	NA	1.32	6.03	71	NA	NA
## 914	70	NA	1.32	6.03	71	NA	NA
## 915	70	NA	1.32	6.03	71	NA	NA

## 916	70	NA	1.32	6.03	71	NA	NA
## 917	32	NA	1.94	6.00	121	0.796	NA
## 918	58	NA	0.85	4.14	146	0.492	NA
## 919	74	NA	1.63	3.67	64	0.842	NA
## 921	70	NA	1.42	6.36	66	0.361	NA
## 922	70	NA	1.42	6.36	66	0.361	NA
## 924	68	NA	1.47	4.68	132	0.754	NA
## 925	68	NA	1.47	4.68	132	0.754	NA
## 928	60	NA	2.51	7.37	106	1.559	NA
## 929	68	NA	1.09	6.59	155	0.608	NA
## 930	68	NA	1.09	6.59	155	0.608	NA
## 931	68	NA	1.09	6.59	155	0.608	NA
## 932	68	NA	1.09	6.59	155	0.608	NA
## 933	68	NA	NA	NA	114	0.393	NA
## 935	NA	NA	1.81	6.39	282	1.093	NA
## 936	76	NA	1.81	7.11	24	0.353	56
## 937	78	NA	1.34	5.61	61	0.258	NA
## 938	78	NA	1.34	5.61	61	0.258	NA
## 939	56	NA	1.32	4.94	43	0.632	NA
## 940	56	NA	1.32	4.94	43	0.632	NA
## 941	56	NA	1.32	4.94	43	0.632	NA
## 942	0	NA	1.09	4.94	85	0.440	NA
## 943	72	NA	1.58	5.22	137	2.246	NA
## 944	72	NA	1.58	5.22	137	2.246	NA
## 945	66	NA	1.81	3.88	122	0.652	NA
## 946	82	NA	1.34	5.61	78	1.258	NA
## 947	82	NA	1.34	5.61	78	1.258	NA
## 953	78	NA	1.27	6.05	321	0.991	NA
## 954	62	NA	1.58	4.03	29	0.592	155
## 955	62	NA	1.58	4.03	29	0.592	155
## 957	66	NA	0.96	3.28	88	0.351	NA
## 958	52	NA	1.22	4.45	73	0.890	NA
## 959	66	NA	0.88	4.16	212	NA	NA
## 960	64	NA	1.24	4.68	338	2.036	NA
## 961	74	NA	1.97	4.86	44	0.595	NA
## 962	74	NA	1.34	4.94	25	0.735	90
## 963	60	NA	1.50	4.78	92	0.667	NA
## 965	60	NA	1.76	6.13	105	1.875	NA
## 966	60	NA	1.76	6.13	105	1.875	NA
## 967	82	NA	1.29	5.28	105	0.482	NA
## 968	82	NA	1.29	5.28	105	0.482	NA
## 969	82	NA	1.29	5.28	105	0.482	NA
## 970	68	NA	2.33	4.55	64	0.736	NA
## 971	66	NA	1.76	5.79	327	1.627	NA
## 974	60	NA	1.68	4.91	416	2.684	NA
## 976	54	NA	1.29	4.32	44	0.386	NA
## 977	76	NA	0.93	5.64	44	0.863	NA
## 978	76	NA	0.93	5.64	44	0.863	NA
## 980	NA	NA	1.94	5.30	100	0.370	NA
## 987	56	NA	NA	NA	49	NA	NA
## 988	64	NA	0.88	4.60	228	NA	NA
## 989	72	NA	0.98	4.19	89	0.563	NA
## 991	72	NA	1.60	7.50	64	0.481	NA
## 993	58	NA	1.32	4.78	100	1.087	NA

## 994	58	NA	1.32	4.78	100	1.087	NA
## 996	72	NA	1.78	5.28	143	1.000	NA
## 998	46	NA	0.96	4.22	162	1.409	NA
## 999	46	NA	0.96	4.22	162	1.409	NA
## 1000	46	NA	0.96	4.22	162	1.409	NA
## 1001	46	NA	0.96	4.22	162	1.409	NA
## 1002	46	NA	0.96	4.22	162	1.409	NA
## 1005	80	NA	0.98	6.13	162	1.209	NA
## 1006	80	NA	0.98	6.13	162	1.209	NA
## 1007	80	NA	0.98	6.13	162	1.209	NA
## 1009	66	NA	1.81	4.71	87	0.460	NA
## 1010	66	NA	1.81	4.71	87	0.460	NA
## 1011	86	NA	1.27	5.84	61	0.102	NA
## 1013	NA	NA	1.71	6.18	350	3.763	NA
## 1016	68	NA	0.91	4.53	65	0.320	NA
## 1017	68	NA	1.81	6.75	200	2.041	NA
## 1018	68	NA	1.81	6.75	200	2.041	NA
## 1019	68	NA	1.81	6.75	200	2.041	NA
## 1020	68	NA	1.81	6.75	200	2.041	NA
## 1023	60	NA	0.62	3.54	119	1.434	NA
## 1024	54	NA	NA	NA	76	0.466	NA
## 1025	82	NA	1.78	3.67	111	0.649	NA
## 1026	0	NA	0.78	3.49	142	2.119	NA
## 1027	84	NA	0.98	4.84	204	1.759	NA
## 1029	76	NA	1.09	4.99	24	0.632	59
## 1030	78	NA	0.96	5.69	29	0.269	128
## 1031	78	NA	0.96	5.69	29	0.269	128
## 1032	62	NA	1.24	6.39	205	1.830	NA
## 1033	62	NA	1.24	6.39	205	1.830	NA
## 1034	NA	NA	NA	NA	263	1.604	NA
## 1035	NA	NA	NA	NA	263	1.604	NA
## 1036	NA	NA	NA	NA	263	1.604	NA
## 1037	NA	NA	0.88	3.47	254	2.288	NA
## 1038	66	NA	1.37	5.43	34	0.436	99
## 1041	54	NA	1.16	5.38	224	2.383	NA
## 1042	66	NA	1.45	5.38	63	0.176	NA
## 1043	80	NA	1.32	5.43	65	0.542	NA
## 1044	58	NA	0.80	4.34	6	0.061	50
## 1045	72	NA	0.80	4.78	36	0.257	NA
## 1046	50	NA	1.91	8.61	118	0.305	NA
## 1047	54	NA	1.94	6.03	68	1.744	NA
## 1048	54	NA	1.94	6.03	68	1.744	NA
## 1049	NA	NA	1.84	6.47	102	0.895	NA
## 1050	66	NA	1.63	4.03	151	3.020	NA
## 1051	66	NA	1.63	4.03	151	3.020	NA
## 1052	66	NA	1.45	5.48	55	0.329	NA
## 1053	66	NA	1.45	5.48	55	0.329	NA
## 1056	60	NA	1.01	5.97	45	0.354	388
## 1058	76	NA	1.16	7.89	14	0.400	83
## 1059	90	NA	1.19	3.98	60	0.909	NA
## 1060	90	NA	1.19	3.98	60	0.909	NA
## 1063	70	NA	1.14	5.28	189	NA	NA
## 1064	NA	NA	1.24	6.41	99	0.846	NA
## 1065	NA	NA	1.24	6.41	99	0.846	NA

## 1068	66	NA	1.47	5.59	122	0.953	NA
## 1070	NA	NA	1.40	3.70	164	NA	NA
## 1072	50	NA	1.01	6.23	11	0.048	3
## 1073	NA	NA	2.07	4.45	87	0.725	NA
## 1075	74	NA	0.98	4.45	183	0.876	NA
## 1076	NA	NA	0.80	3.72	174	0.961	NA
## 1077	NA	NA	0.80	3.72	174	0.961	NA
## 1078	68	NA	1.27	6.85	35	0.278	NA
## 1079	68	NA	1.27	6.85	35	0.278	NA
## 1082	70	NA	1.11	5.51	107	1.115	NA
## 1084	76	NA	0.93	6.39	175	1.750	NA
## 1085	76	NA	0.93	6.39	175	1.750	NA
## 1090	62	NA	2.12	4.45	48	0.578	NA
## 1091	62	NA	2.12	4.45	48	0.578	NA
## 1092	80	NA	0.88	4.76	87	NA	NA
## 1099	60	NA	1.32	3.80	54	0.318	NA
## 1100	48	NA	1.86	3.36	393	NA	NA
## 1101	48	NA	1.86	3.36	393	NA	NA
## 1102	74	NA	2.04	5.40	108	1.271	NA
## 1103	58	NA	NA	NA	96	0.300	NA
## 1104	58	NA	NA	NA	96	0.300	NA
## 1105	58	NA	NA	NA	96	0.300	NA
## 1106	58	NA	NA	NA	11	0.324	55
## 1107	60	NA	1.11	3.98	87	0.719	NA
## 1109	46	NA	NA	NA	NA	NA	NA
## 1110	46	NA	NA	NA	NA	NA	NA
## 1115	70	NA	NA	NA	36	0.240	NA
## 1116	70	NA	NA	NA	36	0.240	NA
## 1117	82	NA	1.53	5.87	87	0.664	NA
## 1122	106	NA	1.03	6.31	0	0.000	NA
## 1124	78	NA	1.06	5.77	46	0.648	NA
## 1126	82	NA	2.04	5.53	86	0.453	NA
## 1127	82	NA	2.04	5.53	86	0.453	NA
## 1128	82	NA	2.04	5.53	86	0.453	NA
## 1129	68	NA	1.24	4.19	68	0.667	NA
## 1130	68	NA	1.24	4.19	68	0.667	NA
## 1131	NA	NA	1.55	4.03	74	0.161	NA
## 1132	76	NA	1.40	5.72	84	0.124	NA
## 1133	76	NA	1.40	5.72	84	0.124	NA
## 1134	54	NA	1.86	5.30	27	0.284	84
## 1135	64	NA	0.75	3.44	61	0.459	NA
## 1136	72	NA	1.84	6.54	106	0.400	NA
## 1137	64	NA	0.59	4.73	110	0.748	NA
## 1138	64	NA	0.59	4.73	110	0.748	NA
## 1141	78	NA	1.24	5.12	61	0.622	NA
## 1145	70	NA	0.72	6.00	150	0.820	NA
## 1146	70	NA	0.72	6.00	150	0.820	NA
## 1147	70	NA	0.72	6.00	150	0.820	NA
## 1148	70	NA	1.19	5.46	29	0.725	NA
## 1149	70	NA	1.19	5.46	29	0.725	NA
## 1150	88	NA	1.11	5.97	50	0.588	NA
## 1151	70	NA	0.98	4.91	56	0.260	NA
## 1155	66	NA	1.68	4.42	13	0.135	30
## 1157	66	NA	1.01	4.16	74	0.796	NA

## 1158	60	NA	1.11	5.90	35	0.761	127
## 1162	62	NA	0.93	3.23	62	0.428	NA
## 1163	62	NA	0.93	3.23	62	0.428	NA
## 1164	NA	NA	NA	NA	74	0.740	NA
## 1165	NA	NA	NA	NA	74	0.740	NA
## 1166	NA	NA	NA	NA	74	0.740	NA
## 1167	58	NA	2.20	6.41	25	0.368	NA
## 1170	74	NA	NA	NA	0	NA	NA
## 1171	74	NA	0.67	4.22	168	0.223	NA
## 1172	56	NA	1.01	6.15	90	1.059	NA
## 1173	78	NA	0.98	5.15	324	3.057	NA
## 1176	64	NA	1.14	4.99	97	0.655	NA
## 1177	64	NA	2.17	4.99	89	0.432	NA
## 1178	64	NA	1.01	3.80	170	1.504	NA
## 1180	84	NA	NA	NA	76	1.551	NA
## 1181	84	NA	NA	NA	76	1.551	NA
## 1182	84	NA	NA	NA	76	1.551	NA
## 1183	66	NA	1.19	6.65	43	0.827	134
## 1184	64	NA	1.34	5.77	41	0.532	NA
## 1185	62	NA	1.37	7.29	38	0.319	6
## 1187	58	NA	1.16	3.72	43	0.270	NA
## 1188	0	NA	1.78	6.13	64	0.810	NA
## 1190	56	NA	1.29	3.96	121	1.034	NA
## 1191	56	NA	1.29	3.96	121	1.034	NA
## 1192	66	NA	1.71	6.23	241	1.242	NA
## 1193	NA	NA	1.89	4.03	82	0.646	NA
## 1194	74	NA	1.11	6.18	16	0.276	28
## 1195	74	NA	NA	NA	60	0.248	NA
## 1200	NA	NA	1.11	3.49	63	1.260	NA
## 1201	NA	NA	1.11	3.49	63	1.260	NA
## 1202	50	NA	1.76	4.37	86	1.211	NA
## 1203	NA	NA	1.84	6.83	268	1.848	NA
## 1208	66	NA	1.97	6.54	69	0.793	NA
## 1211	70	NA	0.70	4.84	118	1.439	NA
## 1215	72	NA	1.94	6.23	115	0.757	NA
## 1216	72	NA	1.60	4.76	74	0.673	NA
## 1217	84	NA	0.96	3.88	58	0.563	NA
## 1218	84	NA	0.96	3.88	58	0.563	NA
## 1219	84	NA	0.96	3.88	58	0.563	NA
## 1220	84	NA	0.93	4.60	288	NA	NA
## 1221	68	NA	1.14	5.40	51	0.495	NA
## 1223	NA	NA	1.55	4.63	205	0.801	NA
## 1224	0	NA	1.53	4.76	56	0.230	NA
## 1225	66	NA	1.03	5.33	170	1.149	NA
## 1226	66	NA	1.03	5.33	170	1.149	NA
## 1227	68	NA	0.65	5.25	176	NA	NA
## 1229	60	NA	1.09	2.97	217	NA	NA
## 1230	68	NA	0.93	4.29	90	1.111	NA
## 1231	68	NA	0.93	4.29	90	1.111	NA
## 1232	78	NA	NA	NA	83	NA	NA
## 1233	78	NA	0.93	3.54	69	1.971	NA
## 1234	78	NA	0.93	3.54	69	1.971	NA
## 1236	72	NA	NA	NA	243	0.736	NA
## 1237	72	NA	NA	NA	243	0.736	NA

## 1238	74	NA	0.98	5.17	263	1.052	NA
## 1239	100	NA	1.24	5.53	142	1.214	NA
## 1240	100	NA	1.24	5.53	142	1.214	NA
## 1241	100	NA	1.24	5.53	142	1.214	NA
## 1242	100	NA	1.24	5.53	142	1.214	NA
## 1243	100	NA	1.24	5.53	142	1.214	NA
## 1247	76	NA	1.01	5.43	95	0.203	NA
## 1248	76	NA	1.01	5.43	95	0.203	NA
## 1249	76	NA	1.01	5.43	95	0.203	NA
## 1250	76	NA	1.01	5.43	95	0.203	NA
## 1251	60	NA	1.24	4.78	88	1.143	NA
## 1252	60	NA	1.24	4.78	88	1.143	NA
## 1254	72	NA	1.53	4.01	53	0.768	NA
## 1256	64	NA	1.27	6.13	30	0.500	60
## 1259	84	NA	NA	NA	194	NA	NA
## 1260	76	NA	0.78	3.59	44	NA	105
## 1261	74	NA	1.40	5.48	150	1.163	NA
## 1262	74	NA	1.40	5.48	150	1.163	NA
## 1265	54	NA	1.58	5.25	214	1.209	NA
## 1266	54	NA	1.58	5.25	214	1.209	NA
## 1268	NA	NA	0.96	3.67	131	NA	NA
## 1269	NA	NA	0.96	3.67	131	NA	NA
## 1270	NA	NA	0.96	3.67	131	NA	NA
## 1276	NA	NA	2.09	4.68	29	0.617	NA
## 1277	NA	NA	2.09	4.68	29	0.617	NA
## 1278	NA	NA	2.09	4.68	29	0.617	NA
## 1279	80	NA	1.06	6.13	35	0.212	NA
## 1282	86	NA	1.22	5.53	20	0.175	69
## 1283	94	NA	1.19	6.15	18	0.198	NA
## 1284	94	NA	1.19	6.15	18	0.198	NA
## 1286	80	NA	1.19	4.47	44	0.629	NA
## 1291	84	NA	1.06	5.64	88	0.759	NA
## 1292	84	NA	1.81	6.72	105	NA	NA
## 1293	92	NA	0.75	3.67	305	2.500	NA
## 1294	0	NA	1.68	6.62	84	0.800	NA
## 1295	0	NA	1.68	6.62	84	0.800	NA
## 1297	44	NA	1.68	4.40	230	0.701	NA
## 1301	62	NA	1.06	3.90	91	2.068	NA
## 1302	52	NA	1.11	5.25	58	0.446	NA
## 1304	64	NA	1.37	4.34	95	1.979	NA
## 1305	64	NA	1.37	4.34	95	1.979	NA
## 1306	64	NA	1.37	4.34	95	1.979	NA
## 1308	52	NA	1.11	5.02	121	0.840	NA
## 1314	82	NA	2.38	5.59	28	NA	NA
## 1319	60	NA	1.27	5.07	14	0.093	32
## 1322	42	NA	1.45	4.60	47	0.212	NA
## 1323	42	NA	1.45	4.60	47	0.212	NA
## 1326	86	NA	0.59	5.64	28	0.509	208
## 1328	58	NA	1.45	4.58	129	0.478	NA
## 1330	54	NA	NA	NA	108	0.663	NA
## 1335	74	NA	1.27	3.96	54	NA	NA
## 1340	64	NA	0.57	7.73	108	0.144	NA
## 1341	64	NA	0.57	7.73	108	0.144	NA
## 1342	64	NA	0.57	7.73	108	0.144	NA

## 1343	64	NA	0.57	7.73	108	0.144	NA
## 1344	68	NA	1.34	6.26	60	0.706	NA
## 1346	72	NA	0.83	4.29	271	3.764	NA
## 1350	46	NA	1.24	4.71	72	0.507	NA
## 1351	NA	NA	1.73	5.77	215	5.000	NA
## 1352	NA	NA	1.73	5.77	215	5.000	NA
## 1353	88	NA	1.37	4.65	328	3.347	NA
## 1354	56	NA	1.24	4.32	272	1.283	NA
## 1355	82	NA	1.47	5.38	58	0.617	NA
## 1356	82	NA	1.47	5.38	58	0.617	NA
## 1357	82	NA	1.47	5.38	58	0.617	NA
## 1358	62	NA	1.19	5.28	57	0.687	NA
## 1359	62	NA	1.32	4.29	90	0.804	NA
## 1360	66	NA	0.96	4.99	166	0.651	NA
## 1361	84	NA	2.51	4.63	192	1.005	NA
## 1362	84	NA	2.51	4.63	192	1.005	NA
## 1363	84	NA	2.51	4.63	192	1.005	NA
## 1364	NA	NA	0.88	5.79	183	2.128	NA
## 1365	76	NA	NA	NA	NA	NA	NA
## 1366	74	NA	1.11	5.38	59	0.522	NA
## 1367	74	NA	1.11	5.38	59	0.522	NA
## 1368	74	NA	1.11	5.38	59	0.522	NA
## 1369	82	NA	1.97	7.71	50	NA	NA
## 1370	70	NA	1.27	4.99	50	0.833	68
## 1371	70	NA	1.27	4.99	50	0.833	68
## 1372	70	NA	1.27	4.99	50	0.833	68
## 1373	58	NA	1.42	5.66	45	0.634	96
## 1374	72	NA	1.19	3.18	75	0.304	NA
## 1375	74	NA	1.32	4.40	139	1.219	NA
## 1376	82	NA	1.37	4.73	57	NA	NA
## 1377	62	NA	NA	NA	224	1.600	NA
## 1378	62	NA	NA	NA	224	1.600	NA
## 1379	62	NA	2.69	6.93	37	0.822	NA
## 1380	62	NA	2.69	6.93	37	0.822	NA
## 1381	76	NA	0.70	5.09	133	1.231	NA
## 1382	76	NA	0.70	5.09	133	1.231	NA
## 1383	80	NA	0.65	6.65	105	0.938	NA
## 1384	80	NA	0.65	6.65	105	0.938	NA
## 1388	66	NA	1.09	4.99	213	NA	NA
## 1389	80	NA	1.47	3.57	233	1.126	NA
## 1390	64	NA	1.60	4.86	52	0.675	NA
## 1391	70	NA	2.04	6.05	46	0.597	104
## 1393	62	NA	1.16	4.81	110	1.549	NA
## 1394	38	NA	0.70	4.01	79	0.823	NA
## 1395	38	NA	0.70	4.01	79	0.823	NA
## 1397	66	NA	0.93	5.04	182	2.275	NA
## 1398	66	NA	0.93	5.04	182	2.275	NA
## 1399	82	NA	0.72	5.20	138	0.414	NA
## 1400	82	NA	0.72	5.20	138	0.414	NA
## 1401	82	NA	0.72	5.20	138	0.414	NA
## 1408	72	NA	1.53	4.81	253	1.946	NA
## 1409	72	NA	1.53	4.81	253	1.946	NA
## 1410	NA	NA	0.62	5.33	101	NA	NA
## 1411	NA	NA	0.62	5.33	101	NA	NA

## 1412	90	NA	1.58	5.15	36	0.353	184
## 1414	86	NA	1.14	6.18	68	0.630	NA
## 1415	86	NA	1.14	6.18	68	0.630	NA
## 1416	64	NA	1.55	5.30	450	0.741	NA
## 1417	92	NA	1.14	4.37	375	2.778	NA
## 1418	88	NA	1.01	4.47	392	1.233	NA
## 1422	66	NA	1.24	5.72	58	0.457	NA
## 1423	NA	NA	1.29	6.28	15	0.142	65
## 1424	66	NA	1.53	5.30	153	1.007	NA
## 1425	66	NA	1.53	5.30	153	1.007	NA
## 1426	58	NA	NA	NA	114	1.129	NA
## 1427	58	NA	NA	NA	114	1.129	NA
## 1428	78	NA	1.06	5.33	329	1.035	NA
## 1429	70	NA	1.89	4.84	77	0.647	NA
## 1430	70	NA	1.89	4.84	77	0.647	NA
## 1431	70	NA	1.89	4.84	77	0.647	NA
## 1435	68	NA	1.03	4.11	84	0.764	NA
## 1436	84	NA	1.27	5.77	254	1.176	NA
## 1438	80	NA	2.12	3.96	281	1.615	NA
## 1441	68	NA	1.47	3.67	68	1.236	NA
## 1444	76	NA	2.28	5.46	347	1.876	NA
## 1445	76	NA	2.28	5.46	347	1.876	NA
## 1446	54	NA	1.42	4.37	39	0.209	97
## 1448	46	NA	2.97	5.15	148	0.871	NA
## 1449	68	NA	1.37	5.38	17	0.233	75
## 1450	70	NA	1.99	5.77	67	0.971	NA
## 1451	76	NA	1.09	5.33	208	1.162	NA
## 1452	68	NA	1.09	5.07	80	0.485	NA
## 1453	64	NA	1.37	3.93	240	0.828	NA
## 1454	54	NA	1.19	6.83	18	0.148	33
## 1455	54	NA	0.85	5.22	368	NA	NA
## 1457	76	NA	1.24	5.77	17	0.283	61
## 1458	80	NA	0.85	3.93	140	2.000	NA
## 1459	72	NA	1.03	5.69	317	1.832	NA
## 1460	72	NA	1.03	5.69	317	1.832	NA
## 1462	60	NA	1.45	4.68	140	6.087	NA
## 1463	86	NA	1.53	4.53	49	0.817	NA
## 1464	86	NA	1.53	4.53	49	0.817	NA
## 1465	66	NA	0.67	4.97	53	0.117	NA
## 1466	74	NA	0.96	6.13	84	1.091	NA
## 1472	60	NA	1.45	4.11	52	0.374	NA
## 1473	60	NA	1.45	4.11	52	0.374	NA
## 1475	64	NA	1.45	5.02	100	0.529	NA
## 1476	72	NA	1.47	7.01	30	0.682	NA
## 1477	72	NA	1.47	7.01	30	0.682	NA
## 1478	66	NA	1.11	5.17	313	2.465	NA
## 1479	66	NA	1.11	5.17	313	2.465	NA
## 1480	68	NA	1.14	4.91	158	1.006	NA
## 1484	74	NA	0.88	4.60	86	0.723	NA
## 1485	68	NA	1.03	4.65	189	1.562	NA
## 1488	70	NA	1.06	6.26	138	0.746	NA
## 1489	70	NA	1.06	6.26	138	0.746	NA
## 1490	54	NA	0.96	3.54	146	2.086	NA
## 1491	72	NA	1.60	4.22	210	1.533	NA

## 1492	84	NA	1.09	4.42	134	0.717	NA
## 1494	74	NA	0.59	8.56	119	1.776	NA
## 1495	NA	NA	1.63	4.76	41	0.695	NA
## 1496	NA	NA	1.63	4.76	41	0.695	NA
## 1497	68	NA	1.53	5.17	36	0.857	84
## 1498	52	NA	0.85	3.36	59	0.324	NA
## 1500	70	NA	1.22	7.91	115	0.507	NA
## 1501	62	NA	1.58	5.12	100	0.893	NA
## 1502	72	NA	1.78	5.20	264	1.492	NA
## 1504	54	NA	1.32	4.27	22	0.173	89
## 1505	84	NA	1.27	4.97	77	0.621	NA
## 1511	80	NA	0.80	3.08	114	1.239	NA
## 1517	74	NA	1.03	3.59	122	1.627	NA
## 1518	80	NA	1.32	6.52	272	6.800	NA
## 1519	80	NA	1.32	6.52	272	6.800	NA
## 1520	80	NA	1.32	6.52	272	6.800	NA
## 1521	80	NA	1.32	6.52	272	6.800	NA
## 1522	62	NA	0.85	3.49	157	1.847	NA
## 1523	62	NA	0.85	3.49	157	1.847	NA
## 1525	62	NA	1.19	7.24	14	0.203	161
## 1526	72	NA	1.22	6.88	60	0.845	NA
## 1527	60	NA	1.50	4.81	42	0.276	NA
## 1528	76	NA	0.78	3.98	25	0.101	114
## 1529	76	NA	1.09	5.82	176	1.814	NA
## 1530	76	NA	1.09	5.82	176	1.814	NA
## 1532	NA	NA	NA	NA	NA	NA	NA
## 1533	68	NA	1.14	4.24	38	0.576	103
## 1534	68	NA	1.14	4.24	38	0.576	103
## 1535	64	NA	1.78	5.02	353	3.299	NA
## 1538	48	NA	1.97	7.94	198	1.031	NA
## 1539	48	NA	1.97	7.94	198	1.031	NA
## 1541	60	NA	1.47	6.05	110	0.130	NA
## 1542	60	NA	1.47	6.05	110	0.130	NA
## 1546	NA	NA	1.22	3.98	189	NA	NA
## 1547	70	NA	1.50	4.86	43	0.303	NA
## 1548	70	NA	1.50	4.86	43	0.303	NA
## 1549	86	NA	1.01	5.09	70	1.228	NA
## 1550	80	NA	1.86	5.30	256	1.480	NA
## 1552	84	NA	1.11	5.09	33	0.493	NA
## 1553	84	NA	1.11	5.09	33	0.493	NA
## 1554	84	NA	1.11	5.09	33	0.493	NA
## 1559	88	NA	0.72	4.06	150	0.769	NA
## 1560	NA	NA	1.37	6.80	101	1.365	NA
## 1562	98	NA	0.96	4.42	120	1.348	NA
## 1563	66	NA	1.24	4.45	140	2.593	NA
## 1564	64	NA	1.19	3.80	136	1.236	NA
## 1565	64	NA	1.19	3.80	136	1.236	NA
## 1566	64	NA	1.19	3.80	136	1.236	NA
## 1568	72	NA	0.88	4.65	146	1.043	NA
## 1574	72	NA	0.98	5.38	305	5.980	NA
## 1575	96	NA	0.85	4.68	36	0.679	103
## 1580	74	NA	0.93	5.97	261	1.097	NA
## 1581	50	NA	1.34	6.41	68	0.660	NA
## 1582	50	NA	1.34	6.41	68	0.660	NA

## 1584	68	NA	1.86	5.22	197	0.496	NA
## 1585	0	NA	1.27	5.12	94	0.691	NA
## 1587	76	NA	1.53	5.72	356	5.477	NA
## 1589	78	NA	1.34	6.98	32	0.288	42
## 1590	56	NA	1.24	4.47	213	1.566	NA
## 1591	NA	NA	1.19	3.80	76	0.463	NA
## 1592	NA	NA	1.19	3.80	76	0.463	NA
## 1593	58	NA	1.84	3.62	41	0.331	NA
## 1594	58	NA	1.84	3.62	41	0.331	NA
## 1595	58	NA	1.84	3.62	41	0.331	NA
## 1597	76	NA	1.55	7.24	169	2.449	NA
## 1598	76	NA	1.55	7.24	169	2.449	NA
## 1599	76	NA	1.55	7.24	169	2.449	NA
## 1601	72	NA	0.78	5.51	283	1.938	NA
## 1604	62	NA	1.50	5.95	87	0.725	NA
## 1605	72	NA	1.71	4.50	68	NA	NA
## 1606	72	NA	1.55	5.15	174	2.000	NA
## 1607	72	NA	1.55	5.15	174	2.000	NA
## 1608	72	NA	1.55	5.15	174	2.000	NA
## 1609	58	NA	1.60	6.72	146	1.028	NA
## 1610	58	NA	1.60	6.72	146	1.028	NA
## 1611	58	NA	1.60	6.72	146	1.028	NA
## 1617	76	NA	NA	NA	NA	NA	NA
## 1620	78	NA	1.01	9.34	196	1.188	NA
## 1621	86	NA	1.19	6.13	235	1.460	NA
## 1625	66	NA	1.91	5.74	11	0.256	101
## 1626	66	NA	1.91	5.74	11	0.256	101
## 1627	66	NA	1.91	5.74	11	0.256	101
## 1628	66	NA	1.91	5.74	11	0.256	101
## 1629	70	NA	1.76	5.15	24	0.364	169
## 1630	70	NA	1.76	5.15	24	0.364	169
## 1631	54	NA	0.85	4.19	69	0.457	NA
## 1632	88	NA	0.88	4.84	42	1.077	NA
## 1633	88	NA	0.88	4.84	42	1.077	NA
## 1634	88	NA	0.88	4.84	42	1.077	NA
## 1639	58	NA	0.96	5.51	40	0.345	NA
## 1640	62	NA	2.17	8.61	152	0.927	NA
## 1641	NA	NA	1.45	4.19	1	0.011	314
## 1644	76	NA	1.60	6.23	16	0.144	39
## 1645	76	NA	1.60	6.23	16	0.144	39
## 1646	76	NA	1.60	6.23	16	0.144	39
## 1647	72	NA	1.19	5.53	70	0.186	NA
## 1648	64	NA	1.19	7.50	281	1.171	NA
## 1650	74	NA	1.24	4.71	137	NA	NA
## 1651	74	NA	1.24	4.71	137	NA	NA
## 1652	74	NA	1.24	4.71	137	NA	NA
## 1653	66	NA	1.73	5.07	100	0.690	NA
## 1654	78	NA	1.42	5.69	36	0.396	NA
## 1655	66	NA	0.83	4.19	66	0.388	NA
## 1656	66	NA	0.83	4.19	66	0.388	NA
## 1660	64	NA	1.24	3.90	127	0.847	NA
## 1661	80	NA	1.55	6.03	115	0.466	NA
## 1662	70	NA	1.45	4.76	64	0.350	NA
## 1663	84	NA	1.11	5.90	165	5.323	NA

## 1664	84	NA	1.11	5.90	165	5.323	NA
## 1676	78	NA	1.55	5.95	43	0.683	84
## 1677	78	NA	1.55	5.95	43	0.683	84
## 1678	62	NA	0.85	4.16	66	0.943	NA
## 1679	62	NA	0.85	4.16	66	0.943	NA
## 1681	38	NA	2.09	5.61	41	0.414	36
## 1683	84	NA	1.32	4.81	24	0.381	126
## 1684	84	NA	1.32	4.81	24	0.381	126
## 1685	62	NA	0.91	5.28	139	0.675	NA
## 1688	76	NA	NA	NA	102	0.879	NA
## 1689	84	NA	1.01	5.77	76	0.691	NA
## 1690	NA	NA	1.16	4.99	139	0.560	NA
## 1693	84	NA	1.47	5.48	39	0.122	252
## 1694	84	NA	1.47	5.48	39	0.122	252
## 1695	68	NA	0.75	5.72	80	0.777	NA
## 1699	64	NA	1.06	5.56	74	0.503	NA
## 1701	56	NA	1.47	5.17	101	0.451	NA
## 1702	56	NA	1.47	5.17	101	0.451	NA
## 1703	88	NA	1.11	5.04	38	0.188	44
## 1704	76	NA	1.06	4.78	110	1.264	NA
## 1705	58	NA	2.09	5.79	63	0.512	NA
## 1706	58	NA	2.09	5.79	63	0.512	NA
## 1707	72	NA	0.88	4.42	244	2.515	NA
## 1708	78	NA	1.66	4.22	364	1.213	NA
## 1709	72	NA	1.11	5.72	120	0.433	NA
## 1710	72	NA	1.11	5.72	120	0.433	NA
## 1711	54	NA	1.66	4.53	76	0.704	NA
## 1712	54	NA	1.66	4.53	76	0.704	NA
## 1713	54	NA	1.66	4.53	76	0.704	NA
## 1714	54	NA	1.66	4.53	76	0.704	NA
## 1716	76	NA	NA	NA	226	0.863	NA
## 1717	58	NA	1.55	4.53	202	1.295	NA
## 1718	58	NA	1.55	4.53	202	1.295	NA
## 1723	62	NA	1.03	7.21	143	4.086	NA
## 1724	54	NA	1.78	5.53	179	1.041	NA
## 1725	54	NA	1.78	5.53	179	1.041	NA
## 1726	62	NA	1.55	4.78	239	3.734	NA
## 1727	0	NA	1.34	3.67	62	1.016	NA
## 1733	80	NA	0.75	4.24	272	2.061	NA
## 1734	80	NA	0.75	4.24	272	2.061	NA
## 1735	82	NA	0.65	4.37	243	1.548	NA
## 1736	82	NA	0.65	4.37	243	1.548	NA
## 1746	72	NA	1.58	5.30	105	0.432	NA
## 1747	60	NA	1.89	6.05	248	1.355	NA
## 1748	60	NA	1.89	6.05	248	1.355	NA
## 1749	86	NA	1.50	5.69	73	0.777	NA
## 1750	NA	NA	1.89	5.95	203	NA	NA
## 1751	54	NA	1.71	5.84	38	0.362	126
## 1752	54	NA	1.71	5.84	38	0.362	126
## 1754	68	NA	1.29	5.12	323	8.730	NA
## 1755	68	NA	1.29	5.12	323	8.730	NA
## 1760	74	NA	1.16	4.29	178	1.483	NA
## 1761	74	NA	1.16	4.29	178	1.483	NA
## 1762	74	NA	1.16	4.29	178	1.483	NA

## 1764	76	NA	1.81	5.17	195	1.226	NA
## 1765	82	NA	NA	NA	418	2.459	NA
## 1766	NA	NA	NA	NA	94	0.390	NA
## 1767	88	NA	1.60	4.58	411	7.211	NA
## 1768	54	NA	1.53	4.11	41	0.199	NA
## 1769	74	NA	1.47	4.40	82	0.678	NA
## 1771	66	NA	0.72	6.93	17	0.266	96
## 1774	56	NA	1.63	5.84	355	3.698	NA
## 1775	NA	NA	0.72	4.47	159	3.457	NA
## 1776	74	NA	1.76	5.25	40	0.247	84
## 1778	32	NA	1.19	4.03	106	1.309	NA
## 1780	70	NA	1.03	4.24	205	0.823	NA
## 1781	70	NA	1.03	4.24	205	0.823	NA
## 1782	60	NA	1.45	5.07	60	0.444	NA
## 1783	78	NA	1.42	3.90	71	0.372	NA
## 1785	66	NA	1.14	4.81	60	0.268	NA
## 1786	66	NA	1.14	4.81	60	0.268	NA
## 1787	66	NA	1.37	6.75	185	0.920	NA
## 1788	66	NA	1.37	6.75	185	0.920	NA
## 1789	76	NA	1.53	5.28	355	3.381	NA
## 1790	76	NA	1.53	5.28	355	3.381	NA
## 1791	76	NA	1.14	3.98	404	0.735	NA
## 1792	76	NA	1.14	3.98	404	0.735	NA
## 1793	76	NA	1.14	3.98	404	0.735	NA
## 1794	76	NA	0.98	3.83	269	1.281	NA
## 1795	76	NA	1.55	4.84	24	0.545	78
## 1796	76	NA	1.55	4.84	24	0.545	78
## 1797	76	NA	1.55	4.84	24	0.545	78
## 1798	84	NA	0.96	4.24	275	1.087	NA
## 1799	84	NA	0.96	4.24	275	1.087	NA
## 1800	84	NA	0.96	4.24	275	1.087	NA
## 1802	NA	NA	1.09	5.07	144	0.823	NA
## 1803	74	NA	2.43	5.72	309	1.717	NA
## 1804	74	NA	2.43	5.72	309	1.717	NA
## 1806	40	NA	1.40	3.49	59	1.135	NA
## 1807	52	NA	1.06	3.00	NA	NA	NA
## 1809	76	NA	1.81	6.00	119	1.368	NA
## 1810	82	NA	1.29	4.47	36	0.319	NA
## 1811	82	NA	1.29	4.47	36	0.319	NA
## 1812	82	NA	1.29	4.47	36	0.319	NA
## 1814	66	NA	1.40	4.14	214	1.446	NA
## 1815	78	NA	1.86	4.01	67	0.779	NA
## 1817	72	NA	2.35	5.92	217	3.014	NA
## 1818	72	NA	2.35	5.92	217	3.014	NA
## 1820	46	NA	1.73	5.48	149	2.483	NA
## 1821	46	NA	1.73	5.48	149	2.483	NA
## 1822	76	NA	1.22	6.26	28	0.185	260
## 1826	58	NA	0.93	3.00	115	0.426	NA
## 1827	58	NA	0.93	3.00	115	0.426	NA
## 1828	58	NA	1.16	3.54	35	0.393	173
## 1830	70	NA	1.47	6.18	236	2.145	NA
## 1831	70	NA	1.97	4.89	95	0.583	NA
## 1833	74	NA	1.19	4.29	145	1.450	NA
## 1834	84	NA	NA	NA	15	0.188	62

## 1835	88	NA	0.80	6.98	181	0.748	NA
## 1836	74	NA	2.04	5.38	296	1.850	NA
## 1837	58	NA	1.06	6.10	126	3.231	NA
## 1838	52	NA	2.15	5.74	182	1.338	NA
## 1839	56	NA	1.68	5.56	122	1.356	NA
## 1841	62	NA	1.16	5.92	234	0.897	NA
## 1842	62	NA	1.16	5.92	234	0.897	NA
## 1846	78	NA	1.29	6.15	92	0.939	NA
## 1849	0	NA	0.67	4.37	168	1.909	NA
## 1852	86	NA	1.09	4.22	370	NA	NA
## 1853	NA	NA	1.99	4.40	68	1.447	NA
## 1854	86	NA	1.47	5.64	20	0.123	73
## 1855	70	NA	1.71	5.28	304	0.941	NA
## 1856	NA	NA	NA	NA	NA	NA	NA
## 1859	48	NA	1.24	4.84	32	NA	NA
## 1860	64	NA	1.27	5.15	43	0.439	NA
## 1861	52	NA	1.27	3.18	29	0.141	179
## 1863	52	NA	2.09	6.36	83	0.251	NA
## 1864	52	NA	2.09	6.36	83	0.251	NA
## 1867	80	NA	1.16	6.90	86	NA	NA
## 1870	78	NA	1.42	4.68	329	3.133	NA
## 1871	66	NA	1.91	5.92	64	0.520	NA
## 1872	76	NA	1.06	5.87	370	NA	NA
## 1873	70	NA	1.03	5.30	29	0.453	23
## 1877	64	NA	1.01	4.94	50	1.190	NA
## 1878	64	NA	1.11	5.38	58	1.055	NA
## 1885	74	NA	1.94	6.36	59	0.756	NA
## 1887	70	NA	0.75	5.09	29	0.276	144
## 1888	74	NA	1.01	7.21	44	NA	NA
## 1889	72	NA	1.27	5.20	92	1.260	NA
## 1893	82	NA	1.94	6.39	92	0.517	NA
## 1894	70	NA	0.67	4.22	109	0.474	NA
## 1895	70	NA	0.67	4.22	109	0.474	NA
## 1896	64	NA	1.84	5.38	101	0.620	NA
## 1898	64	NA	1.68	4.09	117	1.170	NA
## 1899	64	NA	1.68	4.09	117	1.170	NA
## 1900	64	NA	1.68	4.09	117	1.170	NA
## 1901	86	NA	2.51	5.77	70	0.253	NA
## 1902	86	NA	2.51	5.77	70	0.253	NA
## 1903	86	NA	2.51	5.77	70	0.253	NA
## 1905	52	NA	1.53	4.81	282	5.529	NA
## 1906	52	NA	1.53	4.81	282	5.529	NA
## 1907	52	NA	1.53	4.81	282	5.529	NA
## 1908	94	NA	2.28	5.72	144	2.118	NA
## 1909	78	NA	0.78	5.33	246	2.033	NA
## 1910	94	NA	0.88	4.78	180	1.440	NA
## 1911	84	NA	2.74	5.59	212	2.280	NA
## 1913	66	NA	1.58	4.32	146	0.652	NA
## 1915	80	NA	1.09	4.89	153	0.836	NA
## 1916	84	NA	1.16	5.30	325	3.218	NA
## 1917	84	NA	1.16	5.30	325	3.218	NA
## 1918	80	NA	1.58	5.79	155	0.583	NA
## 1919	94	NA	0.75	5.17	136	0.486	NA
## 1920	94	NA	0.75	5.17	136	0.486	NA

##	1921	62	NA	1.86	7.24	117	1.245	NA
##	1923	NA	NA	1.68	5.53	40	0.500	NA
##	1924	NA	NA	1.68	5.53	40	0.500	NA
##	1925	78	NA	1.06	6.31	60	0.659	NA
##	1932	68	NA	1.42	4.22	59	0.983	NA
##	1933	66	NA	1.50	5.35	318	1.272	NA
##	1934	66	NA	1.50	5.35	318	1.272	NA
##	1935	70	NA	1.60	4.84	80	1.250	NA
##	1936	62	NA	1.40	5.25	30	0.330	354
##	1940	72	NA	1.50	4.89	35	0.299	37
##	1941	68	NA	1.53	4.71	153	1.244	NA
##	1942	68	NA	1.53	4.71	153	1.244	NA
##	1944	84	NA	1.32	4.86	191	1.469	NA
##	1945	80	NA	1.68	4.78	355	2.064	NA
##	1946	80	NA	1.68	4.78	355	2.064	NA
##	1947	72	NA	1.53	4.27	138	0.533	NA
##	1954	80	NA	1.14	5.56	336	1.057	NA
##	1955	36	NA	1.27	3.88	168	0.848	NA
##	1957	NA	NA	0.93	3.23	62	0.332	NA
##	1958	NA	NA	0.80	4.06	97	0.735	NA
##	1959	76	NA	1.81	6.08	71	1.868	NA
##	1960	56	NA	0.85	3.23	181	1.534	NA
##	1961	56	NA	0.85	3.23	181	1.534	NA
##	1962	56	NA	0.85	3.23	181	1.534	NA
##	1963	56	NA	0.85	3.23	181	1.534	NA
##	1965	64	NA	1.16	4.60	90	0.584	NA
##	1966	NA	NA	NA	NA	0	0.000	NA
##	1968	76	NA	1.06	4.34	153	0.665	NA
##	1969	76	NA	1.06	4.34	153	0.665	NA
##	1970	76	NA	1.06	4.34	153	0.665	NA
##	1974	70	NA	NA	NA	NA	NA	NA
##	UrineFlow2 Diabetes DiabetesAge HealthGen DaysPhysHlthBad DaysMentHlthBad							
##	1	NA	No	NA	Good	0		15
##	2	NA	No	NA	Good	0		15
##	3	NA	No	NA	Good	0		15
##	5	NA	No	NA	Good	0		10
##	8	NA	No	NA	Vgood	0		3
##	9	NA	No	NA	Vgood	0		3
##	10	NA	No	NA	Vgood	0		3
##	11	NA	No	NA	Vgood	10		0
##	12	NA	No	NA	Vgood	0		0
##	13	NA	No	NA	Fair	4		0
##	15	NA	No	NA	<NA>	NA		NA
##	16	NA	No	NA	Good	0		0
##	18	NA	No	NA	Fair	3		7
##	19	NA	No	NA	Vgood	7		0
##	21	0.430	No	NA	Good	3		0
##	22	0.430	No	NA	Good	3		0
##	23	NA	No	NA	Excellent	0		0
##	24	NA	No	NA	Good	0		0
##	25	NA	No	NA	Good	0		0
##	26	NA	No	NA	Poor	3		4
##	28	NA	No	NA	Good	0		0
##	29	NA	Yes	35	Fair	2		30

## 30	NA	Yes	35	Fair	2	30
## 31	NA	Yes	61	Good	0	0
## 32	NA	No	NA	Excellent	0	2
## 33	NA	Yes	51	<NA>	NA	NA
## 34	NA	Yes	51	<NA>	NA	NA
## 35	NA	No	NA	Fair	3	0
## 36	NA	No	NA	Vgood	0	25
## 37	NA	No	NA	Vgood	0	25
## 45	NA	No	NA	Excellent	30	10
## 46	1.000	No	NA	Vgood	0	0
## 47	NA	No	NA	Good	0	12
## 48	NA	No	NA	Excellent	15	4
## 49	NA	No	NA	Excellent	15	0
## 54	NA	No	NA	Good	0	5
## 55	NA	Yes	56	Fair	0	30
## 56	NA	Yes	40	Poor	NA	0
## 58	NA	No	NA	<NA>	NA	NA
## 59	NA	No	NA	<NA>	NA	NA
## 60	NA	No	NA	<NA>	NA	NA
## 63	0.410	No	NA	Good	5	12
## 64	NA	No	NA	<NA>	NA	NA
## 65	NA	No	NA	<NA>	NA	NA
## 66	NA	No	NA	Good	0	0
## 67	NA	No	NA	Good	0	0
## 68	NA	No	NA	Good	0	0
## 72	NA	No	NA	Good	0	0
## 73	NA	No	NA	Good	0	0
## 75	NA	No	NA	<NA>	NA	NA
## 76	NA	No	NA	Vgood	0	0
## 77	NA	No	NA	Vgood	0	0
## 78	NA	No	NA	Vgood	0	0
## 79	NA	No	NA	Good	3	0
## 80	NA	No	NA	Excellent	0	0
## 81	NA	No	NA	Excellent	0	0
## 82	NA	No	NA	Excellent	0	0
## 83	NA	No	NA	Good	0	7
## 84	NA	No	NA	Good	0	7
## 85	NA	No	NA	Good	0	7
## 86	NA	No	NA	Good	0	7
## 90	0.447	No	NA	Excellent	0	0
## 91	0.447	No	NA	Excellent	0	0
## 93	NA	No	NA	Fair	0	0
## 94	NA	No	NA	Good	0	10
## 95	NA	No	NA	Vgood	0	20
## 96	NA	No	NA	Fair	0	0
## 97	NA	No	NA	Vgood	0	2
## 101	NA	Yes	48	Good	0	0
## 102	NA	Yes	50	<NA>	NA	NA
## 103	NA	Yes	50	<NA>	NA	NA
## 104	NA	No	NA	Vgood	0	0
## 105	NA	No	NA	Vgood	0	0
## 106	NA	No	NA	Vgood	0	0
## 107	1.058	No	NA	Excellent	0	0
## 108	1.058	No	NA	Excellent	0	0

## 109	1.058	No	NA	Excellent	0	0
## 111	NA	Yes	47	Good	0	1
## 112	NA	No	NA	Fair	0	0
## 113	NA	No	NA	Fair	0	0
## 114	NA	No	NA	Good	0	4
## 115	3.142	No	NA	Fair	2	3
## 116	NA	No	NA	Good	0	0
## 117	NA	No	NA	Vgood	0	2
## 118	NA	No	NA	Vgood	0	2
## 119	NA	No	NA	Vgood	0	2
## 120	NA	No	NA	Vgood	0	2
## 121	NA	Yes	80	Good	0	0
## 123	NA	Yes	72	Fair	30	30
## 124	NA	No	NA	Good	0	0
## 125	NA	No	NA	Fair	0	0
## 126	NA	No	NA	Vgood	23	30
## 127	NA	No	NA	Poor	2	2
## 128	NA	No	NA	Fair	6	0
## 130	NA	No	NA	Good	2	10
## 131	NA	No	NA	Fair	0	15
## 132	NA	No	NA	Fair	0	15
## 133	NA	No	NA	Fair	0	15
## 134	NA	No	NA	Fair	15	15
## 135	NA	No	NA	Fair	15	15
## 136	NA	No	NA	Good	2	0
## 139	NA	No	NA	Vgood	0	0
## 140	NA	No	NA	Vgood	0	0
## 141	NA	No	NA	Fair	30	30
## 142	NA	No	NA	Fair	0	30
## 143	NA	No	NA	Poor	30	0
## 144	NA	No	NA	Good	0	0
## 145	NA	No	NA	Good	2	0
## 146	NA	No	NA	Good	2	0
## 147	NA	No	NA	<NA>	NA	NA
## 148	NA	No	NA	<NA>	NA	NA
## 149	NA	Yes	41	Poor	13	7
## 150	NA	No	NA	Vgood	0	0
## 151	NA	No	NA	Vgood	0	0
## 152	NA	No	NA	Vgood	0	15
## 155	NA	No	NA	Good	0	0
## 156	NA	No	NA	Good	0	0
## 157	NA	No	NA	Good	0	0
## 158	NA	No	NA	Good	0	0
## 159	NA	No	NA	Excellent	0	0
## 160	NA	No	NA	Vgood	0	0
## 162	0.269	No	NA	Vgood	0	3
## 163	0.269	No	NA	Vgood	0	3
## 164	NA	No	NA	Vgood	0	0
## 165	NA	No	NA	Excellent	0	0
## 167	NA	No	NA	Fair	0	0
## 168	NA	No	NA	Good	0	20
## 169	NA	No	NA	Good	0	20
## 170	NA	No	NA	<NA>	NA	NA
## 171	NA	No	NA	Fair	0	0

## 172	NA	No	NA	Good	7	0
## 173	NA	No	NA	Good	7	0
## 175	NA	No	NA	Fair	0	3
## 176	NA	No	NA	Fair	0	3
## 179	NA	No	NA	Good	0	0
## 180	NA	No	NA	Good	0	0
## 181	NA	No	NA	Vgood	0	0
## 182	NA	No	NA	<NA>	NA	NA
## 183	NA	No	NA	<NA>	NA	NA
## 184	NA	No	NA	Vgood	0	0
## 185	NA	No	NA	Vgood	0	0
## 187	0.690	No	NA	Vgood	0	0
## 188	0.690	No	NA	Vgood	0	0
## 189	NA	No	NA	Vgood	0	0
## 190	NA	No	NA	Vgood	0	0
## 192	NA	No	NA	Good	0	0
## 193	NA	No	NA	Good	0	0
## 194	NA	No	NA	Vgood	0	3
## 195	2.043	No	NA	Fair	0	30
## 197	NA	Yes	53	Good	0	0
## 198	NA	Yes	53	Good	0	0
## 199	1.326	No	NA	Fair	0	0
## 201	NA	No	NA	Excellent	0	0
## 204	NA	No	NA	Vgood	0	0
## 205	NA	No	NA	Excellent	0	2
## 206	NA	No	NA	Vgood	0	0
## 207	NA	Yes	49	<NA>	NA	NA
## 209	NA	No	NA	Vgood	0	1
## 211	0.725	No	NA	Good	0	0
## 212	0.835	No	NA	Good	0	0
## 213	0.835	No	NA	Good	0	0
## 214	0.139	No	NA	Vgood	0	0
## 216	NA	No	NA	<NA>	NA	NA
## 217	NA	No	NA	<NA>	NA	NA
## 218	NA	Yes	52	Good	7	0
## 219	NA	Yes	52	Good	7	0
## 222	0.483	No	NA	Vgood	0	0
## 223	NA	No	NA	Good	6	0
## 225	NA	No	NA	Vgood	0	15
## 226	NA	No	NA	Vgood	0	15
## 228	NA	No	NA	Poor	15	5
## 229	NA	No	NA	Vgood	0	0
## 230	NA	No	NA	Vgood	0	0
## 234	0.778	No	NA	Vgood	30	0
## 235	NA	No	NA	Fair	7	0
## 236	NA	No	NA	Poor	17	30
## 237	NA	No	NA	Poor	17	30
## 239	1.694	No	NA	Good	0	0
## 240	1.694	No	NA	Good	0	0
## 241	1.694	No	NA	Good	0	0
## 242	3.294	No	NA	Good	0	0
## 243	3.294	No	NA	Good	0	0
## 244	NA	No	NA	Good	15	30
## 245	NA	No	NA	Good	15	30

## 247	NA	No	NA	Vgood	0	0
## 249	NA	No	NA	Good	0	0
## 250	NA	Yes	45	Poor	30	0
## 251	NA	Yes	45	Poor	30	0
## 252	NA	Yes	45	Poor	30	0
## 253	NA	No	NA	<NA>	NA	NA
## 254	0.327	No	NA	Good	0	2
## 255	NA	No	NA	Vgood	4	2
## 256	NA	No	NA	Vgood	4	2
## 257	NA	No	NA	Good	0	30
## 258	NA	No	NA	Fair	7	7
## 259	NA	No	NA	Good	0	0
## 260	NA	Yes	NA	<NA>	NA	NA
## 262	NA	No	NA	Vgood	0	0
## 263	NA	No	NA	Vgood	0	0
## 264	NA	No	NA	Vgood	1	2
## 265	NA	Yes	50	Good	0	2
## 267	NA	No	NA	Vgood	0	0
## 269	NA	No	NA	Vgood	1	0
## 270	NA	No	NA	Vgood	1	0
## 271	0.578	No	NA	Vgood	0	0
## 272	NA	No	NA	Good	2	30
## 274	NA	Yes	60	Good	0	0
## 275	0.373	No	NA	Good	7	0
## 278	NA	No	NA	Fair	5	0
## 279	NA	No	NA	Fair	5	0
## 280	NA	No	NA	Vgood	0	0
## 282	NA	No	NA	Fair	0	3
## 283	NA	No	NA	Fair	0	3
## 284	0.735	No	NA	Good	0	10
## 285	NA	Yes	46	Fair	4	30
## 286	NA	Yes	46	Fair	4	30
## 287	NA	Yes	46	Fair	4	30
## 289	0.567	No	NA	Good	0	0
## 290	0.567	No	NA	Good	0	0
## 291	0.567	No	NA	Good	0	0
## 292	NA	No	NA	Good	0	0
## 293	NA	No	NA	Good	0	0
## 296	NA	No	NA	<NA>	NA	NA
## 297	NA	No	NA	Good	5	0
## 298	NA	No	NA	Vgood	0	10
## 299	NA	No	NA	Vgood	0	10
## 300	NA	No	NA	Vgood	0	10
## 301	NA	No	NA	Vgood	0	10
## 303	NA	No	NA	Vgood	0	0
## 304	NA	No	NA	Vgood	0	0
## 306	NA	No	NA	Good	1	0
## 307	NA	No	NA	Good	0	4
## 308	NA	No	NA	Good	0	4
## 309	NA	Yes	41	Good	0	0
## 310	NA	Yes	41	Good	0	0
## 311	NA	No	NA	Good	15	20
## 312	NA	No	NA	Good	0	0
## 313	NA	No	NA	Good	0	0

## 315	NA	No	NA	Good	0	0
## 316	NA	No	NA	Good	0	0
## 317	NA	No	NA	Vgood	0	0
## 319	NA	No	NA	Vgood	0	0
## 320	NA	No	NA	Poor	20	10
## 321	NA	No	NA	Excellent	0	5
## 322	NA	No	NA	Excellent	0	5
## 324	NA	No	NA	Excellent	0	5
## 325	NA	No	NA	Fair	30	5
## 326	NA	No	NA	<NA>	NA	NA
## 327	NA	No	NA	Vgood	0	5
## 328	NA	No	NA	Vgood	0	5
## 332	NA	No	NA	Excellent	0	0
## 333	NA	No	NA	Good	0	0
## 334	NA	No	NA	Good	30	15
## 335	NA	No	NA	Vgood	0	0
## 336	NA	No	NA	Vgood	0	0
## 337	NA	No	NA	Vgood	0	0
## 342	NA	No	NA	Vgood	15	7
## 343	NA	No	NA	Excellent	0	0
## 344	NA	No	NA	Vgood	7	1
## 345	NA	Yes	40	Good	14	4
## 346	NA	Yes	40	Good	14	4
## 348	NA	No	NA	Good	0	0
## 349	2.594	No	NA	Vgood	2	0
## 350	NA	No	NA	Good	2	2
## 352	NA	Yes	43	Poor	0	0
## 354	0.496	No	NA	Excellent	7	0
## 355	NA	No	NA	Vgood	0	0
## 358	NA	No	NA	Vgood	0	0
## 359	NA	No	NA	Excellent	0	2
## 360	NA	No	NA	Excellent	0	2
## 361	NA	No	NA	Vgood	0	0
## 364	NA	Yes	49	Vgood	14	1
## 366	NA	No	NA	Good	0	0
## 367	NA	Yes	67	Fair	0	0
## 368	NA	No	NA	Good	0	0
## 369	NA	No	NA	Good	0	4
## 370	NA	No	NA	Vgood	0	6
## 371	NA	No	NA	Vgood	0	6
## 374	NA	No	NA	Excellent	6	15
## 375	NA	No	NA	Good	0	3
## 376	NA	No	NA	Fair	8	0
## 377	NA	No	NA	<NA>	NA	NA
## 378	NA	No	NA	<NA>	NA	NA
## 380	NA	No	NA	Vgood	0	14
## 381	NA	No	NA	Vgood	0	0
## 382	NA	No	NA	Vgood	0	0
## 383	NA	No	NA	Vgood	0	0
## 384	NA	Yes	19	Good	12	0
## 385	NA	Yes	57	Fair	14	0
## 387	NA	No	NA	Good	0	0
## 388	NA	No	NA	Good	0	0
## 389	NA	No	NA	Fair	5	0

## 390	NA	No	NA	<NA>	NA	NA
## 391	NA	No	NA	Good	0	2
## 392	NA	No	NA	Good	0	2
## 397	NA	Yes	60	Fair	0	2
## 398	NA	No	NA	Vgood	0	15
## 399	NA	No	NA	Vgood	0	15
## 400	NA	No	NA	Vgood	0	15
## 401	NA	Yes	55	Poor	14	0
## 404	NA	No	NA	Good	0	0
## 405	NA	No	NA	Good	0	0
## 406	NA	No	NA	Good	0	0
## 408	0.728	No	NA	Good	0	0
## 409	0.728	No	NA	Good	0	0
## 410	NA	No	NA	Good	0	0
## 415	NA	No	NA	Good	0	0
## 416	NA	No	NA	Good	0	0
## 417	NA	No	NA	Good	0	0
## 418	NA	No	NA	Good	0	0
## 419	NA	No	NA	Good	0	0
## 425	NA	No	NA	Vgood	0	0
## 428	NA	No	NA	<NA>	NA	NA
## 429	NA	Yes	59	Good	0	0
## 430	NA	Yes	59	Good	0	0
## 431	NA	Yes	59	Good	0	0
## 432	NA	No	NA	<NA>	NA	NA
## 433	NA	No	NA	<NA>	NA	NA
## 434	NA	No	NA	Vgood	3	7
## 436	NA	No	NA	Vgood	0	2
## 437	NA	No	NA	Vgood	0	2
## 438	NA	No	NA	Vgood	0	2
## 439	NA	No	NA	Vgood	0	2
## 440	NA	No	NA	Vgood	0	0
## 441	NA	No	NA	Vgood	5	0
## 444	NA	No	NA	Vgood	0	7
## 445	0.365	No	NA	Good	30	0
## 446	0.365	No	NA	Good	30	0
## 450	NA	No	NA	Excellent	0	3
## 451	NA	No	NA	Excellent	0	3
## 452	NA	No	NA	Good	0	0
## 453	NA	No	NA	Good	0	0
## 454	NA	No	NA	Vgood	0	0
## 455	NA	No	NA	Fair	18	3
## 458	NA	No	NA	Vgood	0	20
## 459	NA	No	NA	Vgood	0	20
## 460	NA	No	NA	Vgood	0	0
## 462	0.538	No	NA	Vgood	30	14
## 463	0.538	No	NA	Vgood	30	14
## 464	0.538	No	NA	Vgood	30	14
## 466	NA	No	NA	Good	0	10
## 467	0.464	No	NA	Good	0	0
## 468	NA	No	NA	Good	0	5
## 469	NA	No	NA	Fair	10	0
## 470	NA	No	NA	<NA>	NA	NA
## 471	NA	No	NA	Good	0	0

## 472	NA	No	NA	Good	0	0
## 473	NA	Yes	NA	Vgood	0	0
## 474	0.344	Yes	75	Vgood	0	1
## 475	0.344	Yes	75	Vgood	0	1
## 477	NA	No	NA	Excellent	0	0
## 478	NA	No	NA	Excellent	0	3
## 479	NA	No	NA	Excellent	0	3
## 480	NA	Yes	3	Fair	0	0
## 481	NA	Yes	3	Fair	0	0
## 482	2.048	No	NA	Excellent	0	0
## 483	2.048	No	NA	Excellent	0	0
## 484	NA	No	NA	<NA>	NA	NA
## 485	NA	No	NA	Vgood	30	0
## 487	NA	Yes	60	<NA>	NA	NA
## 488	NA	Yes	50	Poor	30	30
## 489	NA	No	NA	Vgood	2	0
## 490	NA	No	NA	Vgood	2	0
## 491	NA	No	NA	Good	30	2
## 492	NA	No	NA	Good	30	2
## 494	NA	No	NA	Vgood	0	1
## 495	NA	No	NA	Vgood	0	1
## 497	NA	No	NA	Fair	30	0
## 498	NA	No	NA	Good	0	5
## 499	NA	No	NA	Good	0	0
## 500	NA	No	NA	Vgood	3	0
## 501	NA	No	NA	Vgood	3	0
## 502	NA	No	NA	Vgood	3	0
## 503	NA	No	NA	Vgood	3	0
## 504	NA	No	NA	<NA>	NA	NA
## 511	NA	No	NA	Fair	3	3
## 512	0.881	Yes	14	Vgood	2	0
## 513	NA	No	NA	Good	2	8
## 514	NA	No	NA	Good	15	7
## 515	NA	Yes	NA	<NA>	NA	NA
## 516	NA	No	NA	Fair	0	0
## 519	NA	No	NA	Vgood	0	0
## 522	NA	No	NA	<NA>	NA	NA
## 523	NA	No	NA	Vgood	5	7
## 524	NA	No	NA	Good	0	0
## 525	NA	No	NA	<NA>	NA	NA
## 526	0.321	No	NA	<NA>	NA	NA
## 527	NA	No	NA	Vgood	0	0
## 528	0.337	No	NA	Good	0	15
## 529	NA	No	NA	Good	0	0
## 531	NA	No	NA	Good	0	3
## 532	NA	No	NA	Good	0	3
## 534	NA	No	NA	Excellent	0	0
## 538	NA	No	NA	Good	0	30
## 539	NA	No	NA	Fair	7	0
## 540	NA	No	NA	Fair	7	0
## 541	0.571	No	NA	Vgood	0	2
## 542	NA	No	NA	Good	30	0
## 543	NA	No	NA	Good	30	0
## 544	NA	Yes	43	Fair	3	0

## 545	NA	No	NA	Vgood	0	0
## 546	NA	No	NA	Vgood	0	0
## 547	0.339	No	NA	Good	0	14
## 549	NA	No	NA	Good	0	0
## 550	NA	No	NA	Vgood	2	0
## 551	NA	No	NA	Vgood	2	0
## 552	NA	No	NA	Good	0	5
## 553	NA	No	NA	Excellent	0	5
## 556	NA	Yes	40	Good	0	0
## 557	NA	No	NA	Fair	0	3
## 558	NA	No	NA	Good	7	14
## 559	NA	No	NA	Good	7	14
## 560	NA	No	NA	Good	0	0
## 561	NA	No	NA	Fair	0	20
## 563	NA	No	NA	Excellent	0	0
## 565	0.973	No	NA	Good	0	0
## 566	0.973	No	NA	Good	0	0
## 567	0.973	No	NA	Good	0	0
## 568	NA	No	NA	Good	0	0
## 569	NA	No	NA	Good	0	0
## 570	NA	No	NA	Good	0	0
## 572	NA	No	NA	Fair	0	2
## 573	NA	No	NA	Fair	0	2
## 574	NA	No	NA	Excellent	0	0
## 576	NA	Yes	NA	Good	30	25
## 580	0.333	No	NA	<NA>	NA	NA
## 581	NA	No	NA	Vgood	0	1
## 582	NA	No	NA	Good	30	30
## 585	1.617	No	NA	Fair	26	30
## 586	1.617	No	NA	Fair	26	30
## 587	NA	No	NA	Vgood	0	0
## 590	NA	Yes	30	Fair	5	5
## 593	NA	No	NA	Vgood	0	7
## 594	0.345	No	NA	Vgood	0	10
## 595	0.345	No	NA	Vgood	0	10
## 596	0.345	No	NA	Vgood	0	10
## 597	NA	No	NA	Fair	7	1
## 598	NA	No	NA	Fair	7	1
## 599	NA	No	NA	Good	0	0
## 600	0.847	No	NA	Vgood	0	0
## 601	0.847	No	NA	Vgood	0	0
## 602	NA	No	NA	Good	30	30
## 603	NA	No	NA	Good	30	30
## 604	NA	Yes	61	Excellent	6	0
## 605	NA	No	NA	Excellent	0	0
## 606	NA	No	NA	Excellent	0	0
## 608	NA	No	NA	Good	0	0
## 609	NA	No	NA	Good	1	0
## 610	NA	No	NA	Fair	14	4
## 612	1.559	No	NA	<NA>	NA	NA
## 614	NA	No	NA	Excellent	0	3
## 615	NA	No	NA	<NA>	NA	NA
## 616	NA	No	NA	Vgood	6	4
## 617	NA	No	NA	Vgood	6	4

## 620	NA	No	NA	Good	1	0
## 625	NA	No	NA	Vgood	5	0
## 626	NA	No	NA	<NA>	NA	NA
## 628	NA	No	NA	Vgood	0	10
## 629	NA	No	NA	Vgood	0	10
## 632	NA	No	NA	Good	0	5
## 633	NA	No	NA	Good	0	5
## 634	NA	No	NA	Good	0	0
## 637	NA	No	NA	Vgood	0	0
## 638	NA	No	NA	Vgood	0	0
## 640	NA	No	NA	Vgood	2	2
## 641	NA	No	NA	<NA>	NA	NA
## 642	NA	No	NA	<NA>	NA	NA
## 643	NA	No	NA	<NA>	NA	NA
## 646	NA	No	NA	Vgood	0	5
## 647	NA	No	NA	Vgood	0	5
## 648	NA	No	NA	Vgood	0	5
## 652	0.526	No	NA	Fair	9	0
## 653	NA	No	NA	<NA>	NA	NA
## 654	NA	No	NA	<NA>	NA	NA
## 655	NA	No	NA	<NA>	NA	NA
## 656	NA	No	NA	Vgood	0	0
## 657	NA	No	NA	<NA>	NA	NA
## 658	NA	No	NA	<NA>	NA	NA
## 659	NA	No	NA	<NA>	NA	NA
## 660	NA	No	NA	<NA>	NA	NA
## 661	NA	No	NA	<NA>	NA	NA
## 662	NA	No	NA	<NA>	NA	NA
## 663	0.746	No	NA	Fair	0	0
## 665	NA	No	NA	Vgood	0	0
## 666	NA	No	NA	Vgood	3	0
## 672	NA	No	NA	Excellent	0	0
## 675	0.976	No	NA	Vgood	0	0
## 676	0.976	No	NA	Vgood	0	0
## 677	NA	No	NA	Fair	0	4
## 681	NA	No	NA	Good	0	0
## 682	NA	No	NA	Vgood	0	4
## 683	NA	No	NA	Vgood	0	4
## 685	NA	No	NA	Good	6	2
## 686	NA	No	NA	Good	6	2
## 695	NA	No	NA	Vgood	0	0
## 696	0.557	No	NA	Good	10	4
## 697	NA	No	NA	Vgood	0	2
## 698	NA	No	NA	Vgood	0	2
## 699	0.838	No	NA	Vgood	0	0
## 700	0.838	No	NA	Vgood	0	0
## 701	NA	No	NA	Excellent	0	15
## 702	NA	No	NA	Excellent	0	15
## 703	NA	No	NA	Excellent	0	15
## 706	0.253	No	NA	Good	1	3
## 707	0.333	No	NA	Vgood	4	0
## 710	NA	No	NA	Fair	3	0
## 712	NA	No	NA	Vgood	2	1
## 713	NA	No	NA	Vgood	2	1

## 714	NA	No	NA	Vgood	0	0
## 715	NA	No	NA	Fair	0	5
## 716	0.795	No	NA	Poor	30	15
## 717	NA	No	NA	Vgood	5	0
## 719	NA	No	NA	Vgood	0	0
## 720	NA	No	NA	Vgood	0	0
## 721	NA	No	NA	Vgood	0	0
## 722	NA	No	NA	Vgood	0	0
## 723	NA	No	NA	Vgood	0	0
## 724	NA	No	NA	Vgood	0	0
## 725	2.791	No	NA	Vgood	0	30
## 726	2.135	No	NA	Vgood	0	5
## 727	2.135	No	NA	Vgood	0	5
## 728	NA	No	NA	<NA>	NA	NA
## 731	NA	Yes	46	Fair	20	2
## 732	1.082	No	NA	Good	0	1
## 733	2.494	No	NA	Good	0	4
## 734	2.494	No	NA	Good	0	4
## 739	NA	No	NA	Excellent	0	0
## 740	1.073	No	NA	Excellent	0	0
## 741	NA	No	NA	<NA>	NA	NA
## 743	NA	No	NA	<NA>	NA	NA
## 744	NA	No	NA	<NA>	NA	NA
## 745	NA	Yes	50	Fair	30	10
## 751	NA	No	NA	<NA>	NA	NA
## 752	NA	No	NA	Good	0	0
## 753	NA	No	NA	Good	0	0
## 756	NA	No	NA	Good	11	0
## 757	NA	Yes	50	<NA>	NA	NA
## 760	NA	No	NA	<NA>	NA	NA
## 761	NA	No	NA	Fair	1	30
## 764	NA	No	NA	Vgood	0	15
## 766	NA	No	NA	Good	0	30
## 767	NA	Yes	NA	Excellent	0	0
## 769	0.891	No	NA	Excellent	9	30
## 772	NA	Yes	40	Good	14	0
## 774	0.490	No	NA	Vgood	0	0
## 775	2.857	No	NA	<NA>	NA	NA
## 779	NA	Yes	40	Good	0	0
## 780	NA	No	NA	Fair	2	0
## 781	NA	No	NA	Vgood	0	5
## 782	NA	No	NA	Vgood	0	5
## 783	NA	Yes	46	Good	0	5
## 786	0.579	No	NA	Poor	27	10
## 787	0.579	No	NA	Poor	27	10
## 788	NA	No	NA	Fair	0	0
## 791	NA	No	NA	Excellent	0	0
## 792	NA	No	NA	Vgood	0	0
## 793	NA	No	NA	Vgood	0	0
## 797	NA	No	NA	Vgood	0	15
## 798	NA	No	NA	Good	0	0
## 799	NA	No	NA	Good	0	0
## 800	0.745	No	NA	Vgood	3	0
## 801	0.745	No	NA	Vgood	3	0

## 802	NA	Yes	NA	Fair	0	0
## 808	2.556	No	NA	Good	0	0
## 809	NA	Yes	62	<NA>	NA	NA
## 813	NA	No	NA	Good	0	0
## 814	NA	No	NA	Good	0	0
## 815	NA	No	NA	Good	0	0
## 816	NA	No	NA	Good	0	0
## 818	NA	No	NA	Vgood	0	0
## 819	NA	Yes	24	Poor	30	30
## 821	NA	No	NA	Good	3	0
## 822	NA	No	NA	Good	3	0
## 823	NA	No	NA	Good	3	0
## 827	NA	No	NA	Good	0	0
## 828	NA	No	NA	Good	0	0
## 832	NA	No	NA	Vgood	14	2
## 833	NA	No	NA	Vgood	14	2
## 834	NA	No	NA	Vgood	1	0
## 835	NA	No	NA	Good	0	0
## 836	NA	No	NA	Good	0	0
## 837	NA	No	NA	Good	0	0
## 839	0.507	No	NA	<NA>	NA	NA
## 840	0.507	No	NA	<NA>	NA	NA
## 842	NA	No	NA	<NA>	NA	NA
## 843	NA	No	NA	<NA>	NA	NA
## 844	NA	No	NA	<NA>	NA	NA
## 846	NA	No	NA	Good	0	0
## 847	NA	No	NA	Good	0	0
## 848	NA	No	NA	Good	0	0
## 849	NA	No	NA	Good	0	0
## 850	NA	No	NA	Good	0	0
## 851	NA	No	NA	Good	0	0
## 852	2.094	No	NA	Vgood	0	0
## 853	2.094	No	NA	Vgood	0	0
## 854	NA	No	NA	Fair	24	24
## 855	NA	No	NA	Vgood	0	0
## 856	NA	No	NA	Vgood	0	0
## 857	NA	No	NA	<NA>	NA	NA
## 858	NA	No	NA	<NA>	NA	NA
## 861	NA	No	NA	Good	0	0
## 863	NA	No	NA	Vgood	0	0
## 864	NA	No	NA	Good	0	3
## 865	NA	No	NA	Good	0	3
## 867	NA	No	NA	<NA>	NA	NA
## 868	NA	No	NA	Good	3	1
## 869	NA	No	NA	Fair	0	30
## 875	4.029	No	NA	Fair	4	2
## 876	4.029	No	NA	Fair	4	2
## 877	4.029	No	NA	Fair	4	2
## 878	0.194	No	NA	Excellent	0	5
## 879	0.194	No	NA	Excellent	0	5
## 880	NA	No	NA	Vgood	0	10
## 881	NA	No	NA	Vgood	0	10
## 882	NA	No	NA	Good	0	0
## 884	NA	No	NA	Vgood	4	6

## 885	NA	No	NA	Vgood	4	6
## 886	NA	No	NA	Vgood	4	6
## 888	NA	Yes	49	Poor	30	25
## 889	NA	Yes	49	Poor	30	25
## 890	NA	No	NA	Fair	0	1
## 892	NA	Yes	60	Poor	30	30
## 897	NA	No	NA	Vgood	0	0
## 898	NA	No	NA	Vgood	0	0
## 901	NA	No	NA	Vgood	0	1
## 902	NA	No	NA	<NA>	NA	NA
## 905	NA	No	NA	Fair	2	20
## 906	NA	No	NA	Good	0	4
## 907	NA	No	NA	Good	0	4
## 908	NA	No	NA	Good	0	0
## 909	NA	No	NA	Good	0	0
## 910	1.114	No	NA	Excellent	0	0
## 911	NA	No	NA	Vgood	2	0
## 913	NA	No	NA	Fair	0	0
## 914	NA	No	NA	Fair	0	0
## 915	NA	No	NA	Fair	0	0
## 916	NA	No	NA	Fair	0	0
## 917	NA	No	NA	Vgood	0	0
## 918	NA	No	NA	Good	10	5
## 919	NA	No	NA	Vgood	30	21
## 921	NA	No	NA	Vgood	3	3
## 922	NA	No	NA	Vgood	3	3
## 924	NA	No	NA	Good	0	0
## 925	NA	No	NA	Good	0	0
## 928	NA	No	NA	Vgood	2	8
## 929	NA	No	NA	Good	0	3
## 930	NA	No	NA	Good	0	3
## 931	NA	No	NA	Good	0	3
## 932	NA	No	NA	Good	0	3
## 933	NA	Yes	50	Poor	20	0
## 935	NA	No	NA	Fair	0	10
## 936	0.500	No	NA	Excellent	2	1
## 937	NA	No	NA	Vgood	0	0
## 938	NA	No	NA	Vgood	0	0
## 939	NA	No	NA	Vgood	0	4
## 940	NA	No	NA	Vgood	0	4
## 941	NA	No	NA	Vgood	0	4
## 942	NA	No	NA	Fair	30	0
## 943	NA	Yes	27	Fair	1	0
## 944	NA	Yes	27	Fair	1	0
## 945	NA	No	NA	Fair	0	3
## 946	NA	No	NA	Excellent	0	0
## 947	NA	No	NA	Excellent	0	0
## 953	NA	No	NA	Good	7	0
## 954	1.140	No	NA	Excellent	2	0
## 955	1.140	No	NA	Excellent	2	0
## 957	NA	No	NA	Poor	20	15
## 958	NA	No	NA	Vgood	0	0
## 959	NA	Yes	7	Fair	3	3
## 960	NA	No	NA	Vgood	0	0

## 961	NA	No	NA Excellent	0	15
## 962	1.000	No	NA Good	0	0
## 963	NA	No	NA Vgood	0	15
## 965	NA	No	NA Fair	30	0
## 966	NA	No	NA Fair	30	0
## 967	NA	No	NA Vgood	3	2
## 968	NA	No	NA Vgood	3	2
## 969	NA	No	NA Vgood	3	2
## 970	NA	No	NA <NA>	NA	NA
## 971	NA	No	NA Vgood	0	0
## 974	NA	No	NA Vgood	0	4
## 976	NA	No	NA Good	15	0
## 977	NA	No	NA Good	0	2
## 978	NA	No	NA Good	0	2
## 980	NA	No	NA Fair	30	20
## 987	NA	No	NA Good	30	0
## 988	NA	No	NA Good	0	2
## 989	NA	No	NA <NA>	NA	NA
## 991	NA	No	NA Vgood	0	4
## 993	NA	No	NA Vgood	7	7
## 994	NA	No	NA Vgood	7	7
## 996	NA	No	NA Vgood	0	5
## 998	NA	No	NA Good	0	0
## 999	NA	No	NA Good	0	0
## 1000	NA	No	NA Good	0	0
## 1001	NA	No	NA Good	0	0
## 1002	NA	No	NA Good	0	0
## 1005	NA	No	NA Good	4	3
## 1006	NA	No	NA Good	4	3
## 1007	NA	No	NA Good	4	3
## 1009	NA	No	NA Vgood	0	0
## 1010	NA	No	NA Vgood	0	0
## 1011	NA	No	NA Good	7	0
## 1013	NA	No	NA <NA>	NA	NA
## 1016	NA	No	NA Excellent	0	0
## 1017	NA	No	NA <NA>	NA	NA
## 1018	NA	No	NA <NA>	NA	NA
## 1019	NA	No	NA <NA>	NA	NA
## 1020	NA	No	NA <NA>	NA	NA
## 1023	NA	Yes	56 Good	2	0
## 1024	NA	No	NA Fair	15	30
## 1025	NA	No	NA Vgood	0	30
## 1026	NA	No	NA Vgood	0	0
## 1027	NA	No	NA Excellent	0	0
## 1029	0.797	No	NA <NA>	NA	NA
## 1030	1.471	No	NA Good	0	0
## 1031	1.471	No	NA Good	0	0
## 1032	NA	No	NA Good	0	1
## 1033	NA	No	NA Good	0	1
## 1034	NA	No	NA Vgood	0	0
## 1035	NA	No	NA Vgood	0	0
## 1036	NA	No	NA Vgood	0	0
## 1037	NA	No	NA <NA>	NA	NA
## 1038	0.673	No	NA Vgood	8	10

## 1041	NA	No	NA	Vgood	0	0
## 1042	NA	No	NA	Fair	2	0
## 1043	NA	Yes	45	<NA>	NA	NA
## 1044	0.352	Yes	NA	<NA>	NA	NA
## 1045	NA	Yes	NA	Good	0	0
## 1046	NA	No	NA	Excellent	21	0
## 1047	NA	No	NA	Vgood	0	0
## 1048	NA	No	NA	Vgood	0	0
## 1049	NA	No	NA	<NA>	NA	NA
## 1050	NA	Yes	33	Good	0	0
## 1051	NA	Yes	33	Good	0	0
## 1052	NA	No	NA	Good	0	1
## 1053	NA	No	NA	Good	0	1
## 1056	3.233	No	NA	Good	0	0
## 1058	0.512	No	NA	Good	0	30
## 1059	NA	No	NA	Fair	4	5
## 1060	NA	No	NA	Fair	4	5
## 1063	NA	No	NA	Fair	7	0
## 1064	NA	No	NA	Fair	15	30
## 1065	NA	No	NA	Fair	15	30
## 1068	NA	No	NA	<NA>	NA	NA
## 1070	NA	Yes	63	Good	7	0
## 1072	0.018	No	NA	Vgood	30	0
## 1073	NA	No	NA	<NA>	NA	NA
## 1075	NA	No	NA	Good	0	0
## 1076	NA	No	NA	<NA>	NA	NA
## 1077	NA	No	NA	<NA>	NA	NA
## 1078	NA	No	NA	<NA>	NA	NA
## 1079	NA	No	NA	<NA>	NA	NA
## 1082	NA	Yes	NA	Fair	20	0
## 1084	NA	No	NA	Good	0	30
## 1085	NA	No	NA	Good	0	30
## 1090	NA	No	NA	Vgood	0	5
## 1091	NA	No	NA	Vgood	0	5
## 1092	NA	No	NA	Vgood	0	0
## 1099	NA	No	NA	Good	0	0
## 1100	NA	No	NA	Good	4	0
## 1101	NA	No	NA	Good	4	0
## 1102	NA	No	NA	<NA>	NA	NA
## 1103	NA	No	NA	Good	0	4
## 1104	NA	No	NA	Good	0	4
## 1105	NA	No	NA	Good	0	4
## 1106	0.324	Yes	74	Good	0	0
## 1107	NA	No	NA	Good	0	2
## 1109	NA	No	NA	<NA>	NA	NA
## 1110	NA	No	NA	<NA>	NA	NA
## 1115	NA	No	NA	<NA>	NA	NA
## 1116	NA	No	NA	<NA>	NA	NA
## 1117	NA	No	NA	Fair	2	2
## 1122	NA	Yes	43	Poor	30	7
## 1124	NA	No	NA	Vgood	0	2
## 1126	NA	No	NA	Fair	0	0
## 1127	NA	No	NA	Fair	0	0
## 1128	NA	No	NA	Fair	0	0

## 1129	NA	No	NA	Vgood	0	0
## 1130	NA	No	NA	Vgood	0	0
## 1131	NA	No	NA	Good	3	0
## 1132	NA	No	NA	Good	14	0
## 1133	NA	No	NA	Good	14	0
## 1134	1.200	No	NA	Vgood	2	0
## 1135	NA	Yes	35	Fair	0	0
## 1136	NA	No	NA	Vgood	2	0
## 1137	NA	No	NA	Fair	0	0
## 1138	NA	No	NA	Fair	0	0
## 1141	NA	No	NA	Good	0	0
## 1145	NA	No	NA	Poor	1	0
## 1146	NA	No	NA	Poor	1	0
## 1147	NA	No	NA	Poor	1	0
## 1148	NA	No	NA	Excellent	0	0
## 1149	NA	No	NA	Excellent	0	0
## 1150	NA	No	NA	Good	0	0
## 1151	NA	No	NA	Fair	0	0
## 1155	0.316	No	NA	Good	0	20
## 1157	NA	Yes	NA	Vgood	30	0
## 1158	0.907	No	NA	Good	0	30
## 1162	NA	Yes	42	Fair	30	1
## 1163	NA	Yes	42	Fair	30	1
## 1164	NA	No	NA	Fair	2	7
## 1165	NA	No	NA	Fair	2	7
## 1166	NA	No	NA	Fair	2	7
## 1167	NA	No	NA	Good	6	2
## 1170	NA	No	NA	<NA>	NA	NA
## 1171	NA	No	NA	Excellent	2	0
## 1172	NA	No	NA	<NA>	NA	NA
## 1173	NA	No	NA	Excellent	3	0
## 1176	NA	No	NA	Good	0	0
## 1177	NA	No	NA	Excellent	0	0
## 1178	NA	No	NA	Vgood	5	12
## 1180	NA	No	NA	<NA>	NA	NA
## 1181	NA	No	NA	<NA>	NA	NA
## 1182	NA	No	NA	<NA>	NA	NA
## 1183	1.229	No	NA	Vgood	5	0
## 1184	NA	No	NA	Vgood	0	0
## 1185	0.150	No	NA	Vgood	0	8
## 1187	NA	Yes	74	Vgood	2	0
## 1188	NA	No	NA	Good	0	0
## 1190	NA	No	NA	Vgood	8	30
## 1191	NA	No	NA	Vgood	8	30
## 1192	NA	No	NA	Vgood	0	0
## 1193	NA	No	NA	Good	0	2
## 1194	0.467	No	NA	Good	0	0
## 1195	NA	No	NA	Vgood	0	0
## 1200	NA	Yes	63	Excellent	0	0
## 1201	NA	Yes	63	Excellent	0	0
## 1202	NA	No	NA	Fair	0	0
## 1203	NA	No	NA	Vgood	4	0
## 1208	NA	No	NA	<NA>	NA	NA
## 1211	NA	No	NA	Vgood	2	30

## 1215	NA	No	NA	Vgood	0	1
## 1216	NA	No	NA	Good	4	0
## 1217	NA	No	NA	Vgood	15	20
## 1218	NA	No	NA	Vgood	15	20
## 1219	NA	No	NA	Vgood	15	20
## 1220	NA	No	NA	Good	0	0
## 1221	NA	No	NA	Vgood	0	0
## 1223	NA	Yes	65	Good	0	0
## 1224	NA	No	NA	Excellent	3	0
## 1225	NA	No	NA	Fair	5	0
## 1226	NA	No	NA	Fair	5	0
## 1227	NA	No	NA	Good	7	0
## 1229	NA	Yes	44	Good	0	0
## 1230	NA	No	NA	Vgood	0	4
## 1231	NA	No	NA	Vgood	0	4
## 1232	NA	No	NA	<NA>	NA	NA
## 1233	NA	No	NA	<NA>	NA	NA
## 1234	NA	No	NA	<NA>	NA	NA
## 1236	NA	No	NA	Good	0	0
## 1237	NA	No	NA	Good	0	0
## 1238	NA	No	NA	Good	25	5
## 1239	NA	No	NA	Vgood	0	0
## 1240	NA	No	NA	Vgood	0	0
## 1241	NA	No	NA	Vgood	0	0
## 1242	NA	No	NA	Vgood	0	0
## 1243	NA	No	NA	Vgood	0	0
## 1247	NA	No	NA	Excellent	0	0
## 1248	NA	No	NA	Excellent	0	0
## 1249	NA	No	NA	Excellent	0	0
## 1250	NA	No	NA	Excellent	0	0
## 1251	NA	No	NA	Vgood	0	2
## 1252	NA	No	NA	Vgood	0	2
## 1254	NA	No	NA	Good	0	20
## 1256	0.420	No	NA	Poor	30	0
## 1259	NA	No	NA	Excellent	0	0
## 1260	1.981	No	NA	Vgood	4	5
## 1261	NA	No	NA	Good	7	14
## 1262	NA	No	NA	Good	7	14
## 1265	NA	No	NA	Vgood	0	0
## 1266	NA	No	NA	Vgood	0	0
## 1268	NA	No	NA	Vgood	0	0
## 1269	NA	No	NA	Vgood	0	0
## 1270	NA	No	NA	Vgood	0	0
## 1276	NA	No	NA	<NA>	NA	NA
## 1277	NA	No	NA	<NA>	NA	NA
## 1278	NA	No	NA	<NA>	NA	NA
## 1279	NA	No	NA	<NA>	NA	NA
## 1282	0.486	No	NA	Excellent	0	25
## 1283	NA	No	NA	<NA>	NA	NA
## 1284	NA	No	NA	<NA>	NA	NA
## 1286	NA	No	NA	Excellent	0	0
## 1291	NA	No	NA	Good	0	0
## 1292	NA	Yes	NA	Good	0	30
## 1293	NA	No	NA	Good	0	0

## 1294	NA	No	NA	Good	5	0
## 1295	NA	No	NA	Good	5	0
## 1297	NA	Yes	45	Good	0	30
## 1301	NA	No	NA	Excellent	0	1
## 1302	NA	No	NA	Good	0	0
## 1304	NA	No	NA	Vgood	0	1
## 1305	NA	No	NA	Vgood	0	1
## 1306	NA	No	NA	Vgood	0	1
## 1308	NA	No	NA	Vgood	2	5
## 1314	NA	No	NA	Good	0	2
## 1319	0.314	No	NA	Poor	30	0
## 1322	NA	No	NA	Poor	30	0
## 1323	NA	No	NA	Poor	30	0
## 1326	1.475	No	NA	Good	6	0
## 1328	NA	No	NA	Vgood	4	3
## 1330	NA	Yes	44	Fair	0	12
## 1335	NA	Yes	40	Fair	14	0
## 1340	NA	No	NA	Fair	7	3
## 1341	NA	No	NA	Fair	7	3
## 1342	NA	No	NA	Fair	7	3
## 1343	NA	No	NA	Fair	7	3
## 1344	NA	No	NA	Poor	30	1
## 1346	NA	No	NA	Vgood	0	0
## 1350	NA	Yes	6	<NA>	NA	NA
## 1351	NA	No	NA	<NA>	NA	NA
## 1352	NA	No	NA	<NA>	NA	NA
## 1353	NA	Yes	61	Good	0	0
## 1354	NA	No	NA	<NA>	NA	NA
## 1355	NA	No	NA	Vgood	0	5
## 1356	NA	No	NA	Vgood	0	5
## 1357	NA	No	NA	Vgood	0	5
## 1358	NA	No	NA	Fair	10	15
## 1359	NA	No	NA	Good	0	7
## 1360	NA	Yes	58	Fair	0	0
## 1361	NA	No	NA	Excellent	10	22
## 1362	NA	No	NA	Excellent	10	22
## 1363	NA	No	NA	Excellent	10	22
## 1364	NA	Yes	19	<NA>	NA	NA
## 1365	NA	Yes	40	Good	20	20
## 1366	NA	No	NA	Good	7	7
## 1367	NA	No	NA	Good	7	7
## 1368	NA	No	NA	Good	7	7
## 1369	NA	No	NA	Good	20	20
## 1370	0.586	No	NA	Good	0	0
## 1371	0.586	No	NA	Good	0	0
## 1372	0.586	No	NA	Good	0	0
## 1373	0.960	No	NA	Good	0	15
## 1374	NA	No	NA	Poor	5	0
## 1375	NA	No	NA	Good	0	2
## 1376	NA	No	NA	Vgood	0	5
## 1377	NA	No	NA	Fair	30	30
## 1378	NA	No	NA	Fair	30	30
## 1379	NA	No	NA	Vgood	0	1
## 1380	NA	No	NA	Vgood	0	1

## 1381	NA	No	NA	Good	15	0
## 1382	NA	No	NA	Good	15	0
## 1383	NA	No	NA	Fair	3	5
## 1384	NA	No	NA	Fair	3	5
## 1388	NA	No	NA	Fair	0	0
## 1389	NA	No	NA	<NA>	NA	NA
## 1390	NA	No	NA	<NA>	NA	NA
## 1391	0.591	No	NA	Good	0	0
## 1393	NA	No	NA	Good	0	0
## 1394	NA	Yes	48	Vgood	0	0
## 1395	NA	Yes	48	Vgood	0	0
## 1397	NA	No	NA	<NA>	NA	NA
## 1398	NA	No	NA	<NA>	NA	NA
## 1399	NA	No	NA	Vgood	4	0
## 1400	NA	No	NA	Vgood	4	0
## 1401	NA	No	NA	Vgood	4	0
## 1408	NA	No	NA	Vgood	0	0
## 1409	NA	No	NA	Vgood	0	0
## 1410	NA	No	NA	Vgood	0	0
## 1411	NA	No	NA	Vgood	0	0
## 1412	1.296	No	NA	<NA>	NA	NA
## 1414	NA	No	NA	Excellent	0	0
## 1415	NA	No	NA	Excellent	0	0
## 1416	NA	No	NA	Vgood	0	0
## 1417	NA	No	NA	Good	0	0
## 1418	NA	Yes	41	Good	0	30
## 1422	NA	No	NA	Vgood	0	0
## 1423	0.575	No	NA	Vgood	0	0
## 1424	NA	Yes	58	Poor	2	30
## 1425	NA	Yes	58	Poor	2	30
## 1426	NA	No	NA	Good	0	0
## 1427	NA	No	NA	Good	0	0
## 1428	NA	No	NA	Vgood	1	0
## 1429	NA	No	NA	Good	0	6
## 1430	NA	No	NA	Good	0	6
## 1431	NA	No	NA	Good	0	6
## 1435	NA	No	NA	Fair	0	0
## 1436	NA	No	NA	Vgood	0	5
## 1438	NA	No	NA	Good	2	30
## 1441	NA	No	NA	Good	4	30
## 1444	NA	No	NA	Excellent	0	0
## 1445	NA	No	NA	Excellent	0	0
## 1446	0.822	No	NA	Vgood	8	8
## 1448	NA	No	NA	Vgood	30	1
## 1449	0.600	No	NA	Vgood	2	5
## 1450	NA	No	NA	Vgood	0	0
## 1451	NA	Yes	40	Fair	1	7
## 1452	NA	No	NA	Good	10	0
## 1453	NA	No	NA	Vgood	0	5
## 1454	0.243	No	NA	Good	4	0
## 1455	NA	No	NA	Vgood	0	0
## 1457	0.407	No	NA	Good	4	5
## 1458	NA	Yes	31	Good	0	0
## 1459	NA	No	NA	Good	15	30

## 1460	NA	No	NA	Good	15	30
## 1462	NA	No	NA	Fair	5	2
## 1463	NA	No	NA	Vgood	0	2
## 1464	NA	No	NA	Vgood	0	2
## 1465	NA	No	NA	Vgood	0	0
## 1466	NA	No	NA	Good	0	0
## 1472	NA	No	NA	Fair	0	30
## 1473	NA	No	NA	Fair	0	30
## 1475	NA	No	NA	Excellent	0	2
## 1476	NA	No	NA	Vgood	0	15
## 1477	NA	No	NA	Vgood	0	15
## 1478	NA	No	NA	Good	0	0
## 1479	NA	No	NA	Good	0	0
## 1480	NA	No	NA	Fair	0	3
## 1484	NA	No	NA	Good	7	2
## 1485	NA	No	NA	Good	1	10
## 1488	NA	No	NA	Good	18	14
## 1489	NA	No	NA	Good	18	14
## 1490	NA	No	NA	Good	0	0
## 1491	NA	No	NA	Excellent	0	0
## 1492	NA	No	NA	Fair	0	15
## 1494	NA	Yes	60	Vgood	5	5
## 1495	NA	No	NA	<NA>	NA	NA
## 1496	NA	No	NA	<NA>	NA	NA
## 1497	0.535	No	NA	Vgood	1	3
## 1498	NA	Yes	57	Good	20	0
## 1500	NA	No	NA	Vgood	0	0
## 1501	NA	No	NA	Vgood	7	0
## 1502	NA	No	NA	Vgood	18	1
## 1504	0.384	No	NA	Fair	0	0
## 1505	NA	No	NA	Good	0	2
## 1511	NA	Yes	55	Poor	30	0
## 1517	NA	No	NA	Good	0	0
## 1518	NA	No	NA	Good	0	3
## 1519	NA	No	NA	Good	0	3
## 1520	NA	No	NA	Good	0	3
## 1521	NA	No	NA	Good	0	3
## 1522	NA	Yes	58	Good	30	0
## 1523	NA	Yes	58	Good	30	0
## 1525	1.309	No	NA	Vgood	0	30
## 1526	NA	No	NA	Fair	30	30
## 1527	NA	No	NA	Fair	2	3
## 1528	0.637	No	NA	Good	1	0
## 1529	NA	No	NA	Vgood	0	0
## 1530	NA	No	NA	Vgood	0	0
## 1532	NA	No	NA	<NA>	NA	NA
## 1533	0.531	No	NA	Good	0	0
## 1534	0.531	No	NA	Good	0	0
## 1535	NA	No	NA	Vgood	1	0
## 1538	NA	No	NA	Vgood	0	3
## 1539	NA	No	NA	Vgood	0	3
## 1541	NA	No	NA	Good	0	20
## 1542	NA	No	NA	Good	0	20
## 1546	NA	Yes	56	Good	0	0

## 1547	NA	Yes	NA	Vgood	14	0
## 1548	NA	Yes	NA	Vgood	14	0
## 1549	NA	No	NA	Excellent	0	5
## 1550	NA	No	NA	Excellent	0	0
## 1552	NA	No	NA	<NA>	NA	NA
## 1553	NA	No	NA	<NA>	NA	NA
## 1554	NA	No	NA	<NA>	NA	NA
## 1559	NA	No	NA	Good	2	2
## 1560	NA	No	NA	Good	0	0
## 1562	NA	Yes	NA	<NA>	NA	NA
## 1563	NA	No	NA	Excellent	0	5
## 1564	NA	No	NA	Good	0	3
## 1565	NA	No	NA	Good	0	3
## 1566	NA	No	NA	Good	0	3
## 1568	NA	No	NA	Fair	0	0
## 1574	NA	No	NA	Fair	14	1
## 1575	0.752	No	NA	Good	0	0
## 1580	NA	No	NA	Fair	0	0
## 1581	NA	No	NA	Good	0	30
## 1582	NA	No	NA	Good	0	30
## 1584	NA	No	NA	Excellent	0	0
## 1585	NA	No	NA	Good	14	10
## 1587	NA	No	NA	Vgood	0	0
## 1589	0.512	No	NA	Vgood	0	0
## 1590	NA	No	NA	Good	0	0
## 1591	NA	Yes	57	Fair	15	5
## 1592	NA	Yes	57	Fair	15	5
## 1593	NA	No	NA	<NA>	NA	NA
## 1594	NA	No	NA	<NA>	NA	NA
## 1595	NA	No	NA	<NA>	NA	NA
## 1597	NA	No	NA	Fair	1	30
## 1598	NA	No	NA	Fair	1	30
## 1599	NA	No	NA	Fair	1	30
## 1601	NA	No	NA	Good	4	2
## 1604	NA	Yes	62	Fair	0	0
## 1605	NA	No	NA	Fair	4	0
## 1606	NA	No	NA	Vgood	4	1
## 1607	NA	No	NA	Vgood	4	1
## 1608	NA	No	NA	Vgood	4	1
## 1609	NA	No	NA	<NA>	NA	NA
## 1610	NA	No	NA	<NA>	NA	NA
## 1611	NA	No	NA	<NA>	NA	NA
## 1617	NA	No	NA	<NA>	NA	NA
## 1620	NA	No	NA	Poor	2	0
## 1621	NA	No	NA	Vgood	5	4
## 1625	0.682	No	NA	Vgood	0	2
## 1626	0.682	No	NA	Vgood	0	2
## 1627	0.682	No	NA	Vgood	0	2
## 1628	0.682	No	NA	Vgood	0	2
## 1629	1.420	No	NA	Good	0	0
## 1630	1.420	No	NA	Good	0	0
## 1631	NA	Yes	42	Poor	30	0
## 1632	NA	No	NA	Good	0	0
## 1633	NA	No	NA	Good	0	0

## 1634	NA	No	NA	Good	0	0
## 1639	NA	Yes	71	Good	0	0
## 1640	NA	No	NA	Excellent	3	3
## 1641	2.309	No	NA	<NA>	NA	NA
## 1644	0.429	No	NA	Good	10	0
## 1645	0.429	No	NA	Good	10	0
## 1646	0.429	No	NA	Good	10	0
## 1647	NA	No	NA	Vgood	2	5
## 1648	NA	Yes	61	Poor	15	0
## 1650	NA	No	NA	<NA>	NA	NA
## 1651	NA	No	NA	<NA>	NA	NA
## 1652	NA	No	NA	<NA>	NA	NA
## 1653	NA	Yes	65	Fair	30	5
## 1654	NA	No	NA	Good	0	0
## 1655	NA	No	NA	Good	0	4
## 1656	NA	No	NA	Good	0	4
## 1660	NA	Yes	32	Good	0	0
## 1661	NA	No	NA	Vgood	0	7
## 1662	NA	Yes	49	Good	0	0
## 1663	NA	No	NA	Vgood	0	1
## 1664	NA	No	NA	Vgood	0	1
## 1676	0.677	No	NA	Vgood	0	0
## 1677	0.677	No	NA	Vgood	0	0
## 1678	NA	No	NA	Good	3	2
## 1679	NA	No	NA	Good	3	2
## 1681	0.211	No	NA	Fair	30	0
## 1683	1.260	No	NA	Good	0	3
## 1684	1.260	No	NA	Good	0	3
## 1685	NA	No	NA	Good	0	5
## 1688	NA	No	NA	Good	0	0
## 1689	NA	No	NA	Good	1	2
## 1690	NA	No	NA	Good	1	0
## 1693	1.680	No	NA	Good	0	0
## 1694	1.680	No	NA	Good	0	0
## 1695	NA	No	NA	Good	0	0
## 1699	NA	No	NA	Good	7	7
## 1701	NA	No	NA	Fair	30	2
## 1702	NA	No	NA	Fair	30	2
## 1703	0.815	No	NA	Vgood	0	2
## 1704	NA	Yes	NA	Fair	0	20
## 1705	NA	No	NA	Vgood	0	0
## 1706	NA	No	NA	Vgood	0	0
## 1707	NA	No	NA	Good	7	2
## 1708	NA	No	NA	Vgood	0	0
## 1709	NA	No	NA	Good	0	0
## 1710	NA	No	NA	Good	0	0
## 1711	NA	No	NA	Good	0	0
## 1712	NA	No	NA	Good	0	0
## 1713	NA	No	NA	Good	0	0
## 1714	NA	No	NA	Good	0	0
## 1716	NA	No	NA	Good	4	0
## 1717	NA	No	NA	Good	3	22
## 1718	NA	No	NA	Good	3	22
## 1723	NA	No	NA	Excellent	0	0

## 1724	NA	No	NA	Good	0	2
## 1725	NA	No	NA	Good	0	2
## 1726	NA	No	NA	Vgood	0	0
## 1727	NA	No	NA	Good	10	15
## 1733	NA	No	NA	Good	2	0
## 1734	NA	No	NA	Good	2	0
## 1735	NA	No	NA	Fair	20	2
## 1736	NA	No	NA	Fair	20	2
## 1746	NA	Yes	37	Poor	0	0
## 1747	NA	No	NA	Good	5	15
## 1748	NA	No	NA	Good	5	15
## 1749	NA	No	NA	Good	1	20
## 1750	NA	No	NA	Good	0	0
## 1751	0.578	No	NA	Vgood	0	6
## 1752	0.578	No	NA	Vgood	0	6
## 1754	NA	No	NA	Vgood	0	0
## 1755	NA	No	NA	Vgood	0	0
## 1760	NA	No	NA	Good	0	0
## 1761	NA	No	NA	Good	0	0
## 1762	NA	No	NA	Good	0	0
## 1764	NA	No	NA	Excellent	0	0
## 1765	NA	No	NA	<NA>	NA	NA
## 1766	NA	No	NA	Fair	0	0
## 1767	NA	No	NA	<NA>	NA	NA
## 1768	NA	Yes	62	Good	0	0
## 1769	NA	No	NA	Fair	14	0
## 1771	0.480	Yes	42	Good	0	0
## 1774	NA	No	NA	<NA>	NA	NA
## 1775	NA	No	NA	Good	0	0
## 1776	0.966	No	NA	Good	0	15
## 1778	NA	Yes	61	Good	30	0
## 1780	NA	No	NA	Poor	30	15
## 1781	NA	No	NA	Poor	30	15
## 1782	NA	No	NA	Good	30	4
## 1783	NA	Yes	35	Fair	30	6
## 1785	NA	No	NA	<NA>	NA	NA
## 1786	NA	No	NA	<NA>	NA	NA
## 1787	NA	No	NA	Vgood	3	0
## 1788	NA	No	NA	Vgood	3	0
## 1789	NA	No	NA	Good	4	5
## 1790	NA	No	NA	Good	4	5
## 1791	NA	Yes	46	Good	7	0
## 1792	NA	Yes	46	Good	7	0
## 1793	NA	Yes	46	Good	7	0
## 1794	NA	No	NA	Excellent	0	0
## 1795	0.690	No	NA	Excellent	0	2
## 1796	0.690	No	NA	Excellent	0	2
## 1797	0.690	No	NA	Excellent	0	2
## 1798	NA	No	NA	Good	0	0
## 1799	NA	No	NA	Good	0	0
## 1800	NA	No	NA	Good	0	0
## 1802	NA	No	NA	Good	0	2
## 1803	NA	No	NA	Vgood	0	0
## 1804	NA	No	NA	Vgood	0	0

## 1806	NA	No	NA	Fair	0	0
## 1807	NA	Yes	NA	Fair	0	0
## 1809	NA	No	NA	Good	0	0
## 1810	NA	No	NA	Good	0	0
## 1811	NA	No	NA	Good	0	0
## 1812	NA	No	NA	Good	0	0
## 1814	NA	No	NA	<NA>	NA	NA
## 1815	NA	No	NA	Fair	0	0
## 1817	NA	No	NA	Good	4	0
## 1818	NA	No	NA	Good	4	0
## 1820	NA	No	NA	Good	0	0
## 1821	NA	No	NA	Good	0	0
## 1822	1.844	No	NA	Poor	30	30
## 1826	NA	Yes	35	Fair	1	2
## 1827	NA	Yes	35	Fair	1	2
## 1828	1.018	No	NA	Vgood	1	30
## 1830	NA	No	NA	Vgood	0	0
## 1831	NA	No	NA	Good	0	0
## 1833	NA	No	NA	Vgood	0	1
## 1834	0.419	Yes	38	Poor	0	0
## 1835	NA	No	NA	Poor	20	0
## 1836	NA	No	NA	Excellent	5	15
## 1837	NA	No	NA	<NA>	NA	NA
## 1838	NA	No	NA	Good	5	0
## 1839	NA	No	NA	Excellent	0	0
## 1841	NA	No	NA	<NA>	NA	NA
## 1842	NA	No	NA	<NA>	NA	NA
## 1846	NA	No	NA	Vgood	0	0
## 1849	NA	No	NA	Vgood	0	0
## 1852	NA	No	NA	Good	0	0
## 1853	NA	No	NA	Good	2	0
## 1854	3.174	No	NA	Fair	10	0
## 1855	NA	No	NA	Good	4	7
## 1856	NA	No	NA	<NA>	NA	NA
## 1859	NA	Yes	67	Good	8	0
## 1860	NA	No	NA	Vgood	1	0
## 1861	0.909	No	NA	Vgood	7	5
## 1863	NA	No	NA	Good	0	0
## 1864	NA	No	NA	Good	0	0
## 1867	NA	No	NA	Good	7	12
## 1870	NA	No	NA	Good	0	0
## 1871	NA	No	NA	Poor	0	30
## 1872	NA	No	NA	Fair	30	30
## 1873	0.411	No	NA	Vgood	0	0
## 1877	NA	No	NA	Excellent	0	0
## 1878	NA	No	NA	Good	3	4
## 1885	NA	No	NA	Excellent	0	0
## 1887	1.171	No	NA	Good	0	0
## 1888	NA	No	NA	Fair	30	0
## 1889	NA	No	NA	Good	0	0
## 1893	NA	No	NA	<NA>	NA	NA
## 1894	NA	No	NA	<NA>	NA	NA
## 1895	NA	No	NA	<NA>	NA	NA
## 1896	NA	No	NA	Fair	21	30

## 1898	NA	No	NA Excellent	0	4	
## 1899	NA	No	NA Excellent	0	4	
## 1900	NA	No	NA Excellent	0	4	
## 1901	NA	No	NA Vgood	0	0	
## 1902	NA	No	NA Vgood	0	0	
## 1903	NA	No	NA Vgood	0	0	
## 1905	NA	No	NA <NA>	NA	NA	
## 1906	NA	No	NA <NA>	NA	NA	
## 1907	NA	No	NA <NA>	NA	NA	
## 1908	NA	No	NA <NA>	NA	NA	
## 1909	NA	No	NA Vgood	3	0	
## 1910	NA	No	NA Good	14	0	
## 1911	NA	No	NA Vgood	10	2	
## 1913	NA	No	NA Excellent	0	30	
## 1915	NA	No	NA Vgood	4	2	
## 1916	NA	No	NA Good	0	0	
## 1917	NA	No	NA Good	0	0	
## 1918	NA	No	NA Good	0	0	
## 1919	NA	No	NA Good	0	2	
## 1920	NA	No	NA Good	0	2	
## 1921	NA	No	NA Good	0	0	
## 1923	NA	No	NA <NA>	NA	NA	
## 1924	NA	No	NA <NA>	NA	NA	
## 1925	NA	No	NA Good	3	0	
## 1932	NA	No	NA Good	0	0	
## 1933	NA	No	NA Vgood	4	2	
## 1934	NA	No	NA Vgood	4	2	
## 1935	NA	No	NA Good	0	0	
## 1936	2.159	Yes	16 Fair	0	2	
## 1940	0.394	No	NA Fair	15	15	
## 1941	NA	No	NA <NA>	NA	NA	
## 1942	NA	No	NA <NA>	NA	NA	
## 1944	NA	No	NA Vgood	0	5	
## 1945	NA	Yes	24 Good	0	1	
## 1946	NA	Yes	24 Good	0	1	
## 1947	NA	No	NA Good	2	2	
## 1954	NA	No	NA Fair	0	1	
## 1955	NA	Yes	50 Fair	0	0	
## 1957	NA	Yes	60 Fair	30	0	
## 1958	NA	No	NA <NA>	NA	NA	
## 1959	NA	No	NA <NA>	NA	NA	
## 1960	NA	No	NA Fair	10	0	
## 1961	NA	No	NA Fair	10	0	
## 1962	NA	No	NA Fair	10	0	
## 1963	NA	No	NA Fair	10	0	
## 1965	NA	No	NA Fair	0	0	
## 1966	NA	No	NA <NA>	NA	NA	
## 1968	NA	No	NA Vgood	0	6	
## 1969	NA	No	NA Vgood	0	6	
## 1970	NA	No	NA Vgood	0	6	
## 1974	NA	No	NA Vgood	0	0	
##	LittleInterest	Depressed	nPregnancies	nBabies	Age1stBaby	SleepHrsNight
## 1	Most	Several	NA	NA	NA	4
## 2	Most	Several	NA	NA	NA	4

## 3	Most	Several	NA	NA	NA	4
## 5	Several	Several	2	2	27	8
## 8	None	None	1	NA	NA	8
## 9	None	None	1	NA	NA	8
## 10	None	None	1	NA	NA	8
## 11	None	None	NA	NA	NA	7
## 12	None	None	NA	NA	NA	5
## 13	None	None	NA	NA	NA	4
## 15	<NA>	<NA>	NA	NA	NA	5
## 16	None	None	NA	NA	NA	7
## 18	Several	None	NA	NA	NA	6
## 19	None	None	NA	NA	NA	6
## 21	None	None	4	3	26	7
## 22	None	None	4	3	26	7
## 23	None	None	2	2	32	8
## 24	Several	None	NA	NA	NA	6
## 25	Several	None	NA	NA	NA	6
## 26	Several	None	NA	NA	NA	5
## 28	None	None	NA	NA	NA	6
## 29	None	Most	NA	NA	NA	4
## 30	None	Most	NA	NA	NA	4
## 31	None	None	6	6	19	5
## 32	None	None	NA	NA	NA	7
## 33	<NA>	<NA>	NA	NA	NA	5
## 34	<NA>	<NA>	NA	NA	NA	5
## 35	None	None	NA	NA	NA	6
## 36	Most	Most	4	3	22	7
## 37	Most	Most	4	3	22	7
## 45	Most	Several	NA	NA	NA	6
## 46	None	Several	4	2	32	6
## 47	None	None	1	1	NA	6
## 48	Several	None	NA	NA	NA	6
## 49	None	None	NA	NA	NA	8
## 54	None	None	NA	NA	NA	6
## 55	None	Several	NA	NA	NA	8
## 56	<NA>	Several	NA	NA	NA	9
## 58	<NA>	<NA>	NA	NA	NA	6
## 59	<NA>	<NA>	NA	NA	NA	6
## 60	<NA>	<NA>	NA	NA	NA	6
## 63	Several	Several	5	5	16	6
## 64	<NA>	<NA>	NA	NA	NA	7
## 65	<NA>	<NA>	NA	NA	NA	7
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## 90	None	None	2	2	22	8
## 91	None	None	2	2	22	8
## 93	None	None	NA	NA	NA	7
## 94	None	None	NA	NA	NA	7
## 95	Several	Several	NA	NA	NA	5
## 96	None	None	NA	NA	NA	7
## 97	None	None	3	2	31	8
## 101	None	None	NA	NA	NA	8
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## 107	None	None	NA	NA	NA	8
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## 111	Most	Most	2	2	34	6
## 112	None	None	NA	NA	NA	8
## 113	None	None	NA	NA	NA	8
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## 115	None	None	6	6	19	8
## 116	None	None	3	3	21	8
## 117	None	None	NA	NA	NA	7
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## 121	None	None	NA	NA	NA	7
## 123	Most	Several	7	6	16	6
## 124	None	None	NA	NA	NA	6
## 125	None	None	3	3	19	7
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## 127	Several	None	NA	NA	NA	8
## 128	Several	None	5	5	19	7
## 130	None	Several	NA	NA	NA	7
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## 132	Several	Several	2	2	22	6
## 133	Several	Several	2	2	22	6
## 134	Most	Most	7	6	17	6
## 135	Most	Most	7	6	17	6
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## 140	None	None	NA	NA	NA	6
## 141	None	None	7	4	17	4
## 142	None	Most	NA	NA	NA	5
## 143	None	None	5	2	24	7
## 144	None	None	NA	NA	NA	7
## 145	Several	Several	3	3	18	6
## 146	Several	Several	3	3	18	6
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## 152	None	None	2	2	25	12
## 155	None	None	NA	NA	NA	6
## 156	None	None	NA	NA	NA	6
## 157	None	None	NA	NA	NA	6
## 158	None	None	NA	NA	NA	6
## 159	None	None	NA	NA	NA	8
## 160	Several	None	NA	NA	NA	8
## 162	Several	Several	NA	NA	NA	7
## 163	Several	Several	NA	NA	NA	7
## 164	None	None	6	4	27	6
## 165	None	None	4	3	23	7
## 167	None	None	NA	NA	NA	7
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## 176	None	None	NA	NA	NA	4
## 179	None	None	4	3	25	8
## 180	None	None	4	3	25	8
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## 192	None	None	NA	NA	NA	7
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## 194	None	None	1	1	NA	7
## 195	Several	Several	5	4	19	8
## 197	None	None	NA	NA	NA	7
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## 199	None	Most	NA	NA	NA	4
## 201	None	None	NA	NA	NA	9
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## 214	None	None	1	1	NA	7
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## 222	None	None	4	4	21	8
## 223	None	None	6	6	23	7
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## 228	Most	Most	5	3	33	4
## 229	None	None	NA	NA	NA	8
## 230	None	None	NA	NA	NA	8
## 234	None	None	5	5	18	8
## 235	Several	None	5	2	21	4
## 236	Most	Most	6	4	19	3
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## 239	None	None	3	3	21	6
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## 242	None	None	6	4	21	7
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## 244	Several	Most	4	1	NA	2
## 245	Several	Most	4	1	NA	2
## 247	None	None	NA	NA	NA	8
## 249	None	None	2	2	26	8
## 250	None	None	NA	NA	NA	8
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## 256	Several	Several	NA	NA	NA	8
## 257	None	Several	4	2	25	7
## 258	None	None	2	2	23	8
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## 264	Several	Several	5	4	23	6
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## 272	Several	None	6	2	18	6
## 274	None	None	NA	NA	NA	7
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## 280	None	None	4	2	25	8
## 282	None	None	2	2	26	8
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## 284	None	Several	NA	NA	NA	7
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## 286	Several	Several	6	4	23	6
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## 306	Several	None	8	2	30	8
## 307	Several	None	NA	NA	NA	8
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## 310	None	None	NA	NA	NA	8
## 311	Most	Several	NA	NA	NA	9
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## 342	Several	None	3	3	19	6
## 343	None	Several	4	2	18	8
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## 349	None	None	2	2	25	5
## 350	Several	Most	2	2	25	6
## 352	None	Most	NA	NA	NA	4
## 354	None	None	3	3	22	7
## 355	None	None	2	2	18	10
## 358	None	None	NA	NA	NA	5
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## 360	None	None	NA	NA	NA	4
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## 369	None	None	2	2	26	7
## 370	None	Several	NA	NA	NA	7
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## 375	Most	Most	6	6	16	6
## 376	Most	None	2	2	22	7
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## 408	None	None	3	3	26	6
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## 549	None	None	5	3	20	8
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## 707	None	None	1	1	NA	8
## 710	None	None	3	3	18	8
## 712	None	None	1	1	NA	7
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## 714	None	Most	NA	NA	NA	3
## 715	None	Most	2	2	22	4
## 716	None	None	4	4	16	6
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## 723	None	None	NA	NA	NA	8
## 724	None	None	NA	NA	NA	6
## 725	Several	Most	3	NA	NA	8
## 726	Most	None	NA	NA	NA	6
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## 739	None	None	NA	NA	NA	8
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## 756	None	None	4	4	21	6
## 757	<NA>	<NA>	NA	NA	NA	8
## 760	<NA>	<NA>	NA	NA	NA	6
## 761	None	Several	3	3	32	8
## 764	Most	Most	2	2	33	8
## 766	None	<NA>	6	3	30	5
## 767	None	None	NA	NA	NA	7

## 769	None	Several	4	3	19	3
## 772	None	None	5	3	17	10
## 774	None	None	5	5	19	7
## 775	<NA>	<NA>	NA	NA	NA	4
## 779	None	None	2	2	26	6
## 780	Several	Most	4	4	19	8
## 781	None	None	NA	NA	NA	8
## 782	None	None	NA	NA	NA	8
## 783	Several	Several	3	2	27	8
## 786	Several	Several	NA	NA	NA	4
## 787	Several	Several	NA	NA	NA	4
## 788	None	None	4	2	18	2
## 791	None	None	NA	NA	NA	8
## 792	Several	Several	NA	NA	NA	8
## 793	Several	Several	NA	NA	NA	8
## 797	Several	Several	NA	NA	NA	10
## 798	None	None	NA	NA	NA	5
## 799	None	None	NA	NA	NA	5
## 800	Several	None	1	1	NA	8
## 801	Several	None	1	1	NA	8
## 802	None	None	NA	NA	NA	7
## 808	None	None	2	2	27	7
## 809	<NA>	<NA>	NA	NA	NA	6
## 813	None	None	NA	NA	NA	8
## 814	None	None	NA	NA	NA	8
## 815	None	None	NA	NA	NA	8
## 816	None	None	NA	NA	NA	8
## 818	Most	None	4	3	20	7
## 819	Most	Most	1	1	NA	8
## 821	None	None	NA	NA	NA	7
## 822	None	None	NA	NA	NA	7
## 823	None	None	NA	NA	NA	7
## 827	None	None	NA	NA	NA	7
## 828	None	None	NA	NA	NA	8
## 832	None	None	1	NA	NA	7
## 833	None	None	1	NA	NA	7
## 834	None	None	NA	NA	NA	6
## 835	None	None	NA	NA	NA	7
## 836	None	None	NA	NA	NA	7
## 837	None	None	NA	NA	NA	7
## 839	<NA>	<NA>	NA	NA	NA	7
## 840	<NA>	<NA>	NA	NA	NA	7
## 842	<NA>	<NA>	NA	NA	NA	7
## 843	<NA>	<NA>	NA	NA	NA	7
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## 846	None	None	3	2	23	7
## 847	None	None	3	2	23	7
## 848	None	None	3	2	23	7
## 849	None	None	3	2	23	7
## 850	None	None	3	2	23	7
## 851	None	None	NA	NA	NA	6
## 852	None	None	2	1	NA	8
## 853	None	None	2	1	NA	8
## 854	Most	Most	3	3	23	4

## 855	None	None	NA	NA	NA	9
## 856	Several	None	NA	NA	NA	9
## 857	<NA>	<NA>	NA	NA	NA	7
## 858	<NA>	<NA>	NA	NA	NA	7
## 861	None	None	NA	NA	NA	4
## 863	Several	None	2	2	31	6
## 864	Most	None	NA	NA	NA	8
## 865	Most	None	NA	NA	NA	8
## 867	<NA>	<NA>	NA	NA	NA	5
## 868	None	Several	4	2	23	5
## 869	Several	Several	NA	NA	NA	7
## 875	Several	Several	NA	NA	NA	6
## 876	Several	Several	NA	NA	NA	6
## 877	Several	Several	NA	NA	NA	6
## 878	None	None	4	3	25	8
## 879	None	None	4	3	25	8
## 880	None	None	NA	NA	NA	6
## 881	None	None	NA	NA	NA	6
## 882	None	None	NA	NA	NA	8
## 884	None	None	NA	NA	NA	7
## 885	None	None	NA	NA	NA	7
## 886	None	None	NA	NA	NA	7
## 888	Most	Most	4	4	16	5
## 889	Most	Most	4	4	16	5
## 890	None	Several	NA	NA	NA	8
## 892	None	Several	3	3	23	3
## 897	None	None	2	1	NA	9
## 898	None	None	2	1	NA	9
## 901	None	None	2	2	28	8
## 902	<NA>	<NA>	NA	NA	NA	6
## 905	Several	Several	3	2	19	7
## 906	None	Several	NA	NA	NA	7
## 907	None	Several	NA	NA	NA	7
## 908	None	None	NA	NA	NA	9
## 909	None	None	NA	NA	NA	9
## 910	None	None	NA	NA	NA	8
## 911	None	None	NA	NA	NA	7
## 913	Several	Several	2	2	19	8
## 914	Several	Several	2	2	19	8
## 915	Several	Several	2	2	19	8
## 916	Several	Several	2	2	19	8
## 917	None	None	3	3	25	5
## 918	Most	Several	NA	NA	NA	6
## 919	Several	Most	6	5	18	4
## 921	None	None	NA	NA	NA	5
## 922	None	None	NA	NA	NA	5
## 924	None	None	NA	NA	NA	8
## 925	None	None	NA	NA	NA	8
## 928	Several	Several	3	2	22	8
## 929	Several	Several	NA	NA	NA	6
## 930	Several	Several	NA	NA	NA	6
## 931	Several	Several	NA	NA	NA	6
## 932	Several	Several	NA	NA	NA	6
## 933	Several	Several	1	1	NA	7

## 935	Several	Several	1	NA	NA	7
## 936	None	None	1	NA	NA	6
## 937	None	None	NA	NA	NA	7
## 938	None	None	NA	NA	NA	7
## 939	None	None	NA	NA	NA	8
## 940	None	None	NA	NA	NA	8
## 941	None	None	NA	NA	NA	8
## 942	None	None	3	3	16	6
## 943	None	None	NA	NA	NA	6
## 944	None	None	NA	NA	NA	6
## 945	None	Several	NA	NA	NA	5
## 946	None	None	NA	NA	NA	7
## 947	None	None	NA	NA	NA	7
## 953	Several	Several	6	4	19	7
## 954	None	None	2	2	32	8
## 955	None	None	2	2	32	8
## 957	Several	Several	NA	NA	NA	2
## 958	None	None	NA	NA	NA	9
## 959	None	None	NA	NA	NA	7
## 960	None	None	NA	NA	NA	8
## 961	Several	Several	2	2	20	9
## 962	None	None	3	3	20	7
## 963	None	None	5	3	28	6
## 965	None	None	4	4	35	6
## 966	None	None	4	4	35	6
## 967	Several	Several	NA	NA	NA	8
## 968	Several	Several	NA	NA	NA	8
## 969	Several	Several	NA	NA	NA	8
## 970	<NA>	<NA>	NA	NA	NA	6
## 971	None	None	1	1	NA	6
## 974	None	None	NA	NA	NA	8
## 976	None	None	NA	NA	NA	7
## 977	None	None	NA	NA	NA	7
## 978	None	None	NA	NA	NA	7
## 980	Most	Most	6	4	17	4
## 987	None	None	NA	NA	NA	5
## 988	None	Several	NA	NA	NA	6
## 989	<NA>	<NA>	NA	NA	NA	8
## 991	None	None	3	3	19	7
## 993	Several	Several	4	4	17	5
## 994	Several	Several	4	4	17	5
## 996	None	None	2	2	22	6
## 998	None	None	NA	NA	NA	6
## 999	None	None	NA	NA	NA	6
## 1000	None	None	NA	NA	NA	6
## 1001	None	None	NA	NA	NA	6
## 1002	None	None	NA	NA	NA	6
## 1005	None	None	NA	NA	NA	7
## 1006	None	None	NA	NA	NA	7
## 1007	None	None	NA	NA	NA	7
## 1009	None	None	NA	NA	NA	8
## 1010	None	None	NA	NA	NA	8
## 1011	None	None	NA	NA	NA	8
## 1013	<NA>	<NA>	NA	NA	NA	7

## 1016	None	None	3	3	20	5
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## 1018	<NA>	<NA>	NA	NA	NA	6
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## 1020	<NA>	<NA>	NA	NA	NA	6
## 1023	None	None	NA	NA	NA	8
## 1024	Several	Several	8	6	21	5
## 1025	None	Most	NA	NA	NA	5
## 1026	None	None	3	3	22	8
## 1027	None	None	2	2	28	8
## 1029	<NA>	<NA>	NA	NA	NA	7
## 1030	None	None	NA	NA	NA	6
## 1031	None	None	NA	NA	NA	6
## 1032	None	None	5	5	22	8
## 1033	None	None	5	5	22	8
## 1034	None	None	NA	NA	NA	7
## 1035	None	None	NA	NA	NA	7
## 1036	None	None	NA	NA	NA	7
## 1037	<NA>	<NA>	NA	NA	NA	6
## 1038	None	None	NA	NA	NA	7
## 1041	None	None	5	5	18	8
## 1042	None	None	NA	NA	NA	5
## 1043	<NA>	<NA>	NA	NA	NA	6
## 1044	<NA>	<NA>	NA	NA	NA	8
## 1045	None	None	NA	NA	NA	7
## 1046	None	None	3	NA	NA	6
## 1047	None	None	3	2	29	8
## 1048	None	None	3	2	29	8
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## 1052	None	None	NA	NA	NA	6
## 1053	None	None	NA	NA	NA	6
## 1056	Most	Several	NA	NA	NA	8
## 1058	Several	Several	3	3	25	7
## 1059	None	Several	NA	NA	NA	6
## 1060	None	Several	NA	NA	NA	6
## 1063	None	None	7	4	21	6
## 1064	None	Most	3	2	18	6
## 1065	None	Most	3	2	18	6
## 1068	<NA>	<NA>	NA	NA	NA	6
## 1070	None	None	1	1	NA	5
## 1072	None	None	2	2	24	10
## 1073	<NA>	<NA>	NA	NA	NA	4
## 1075	None	None	NA	NA	NA	7
## 1076	<NA>	<NA>	NA	NA	NA	8
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## 1082	Several	Most	NA	NA	NA	3
## 1084	Several	None	NA	NA	NA	7
## 1085	Several	None	NA	NA	NA	7
## 1090	None	None	6	2	31	6
## 1091	None	None	6	2	31	6

## 1092	None	None	NA	NA	NA	8
## 1099	None	None	NA	NA	NA	5
## 1100	Several	None	1	1	NA	5
## 1101	Several	None	1	1	NA	5
## 1102	<NA>	<NA>	NA	NA	NA	8
## 1103	None	None	NA	NA	NA	7
## 1104	None	None	NA	NA	NA	7
## 1105	None	None	NA	NA	NA	7
## 1106	None	None	3	3	23	7
## 1107	None	Several	NA	NA	NA	7
## 1109	<NA>	<NA>	NA	NA	NA	9
## 1110	<NA>	<NA>	NA	NA	NA	9
## 1115	<NA>	<NA>	NA	NA	NA	7
## 1116	<NA>	<NA>	NA	NA	NA	7
## 1117	Several	Several	5	4	16	6
## 1122	Most	Most	NA	NA	NA	3
## 1124	None	None	NA	NA	NA	6
## 1126	Several	None	NA	NA	NA	6
## 1127	Several	None	NA	NA	NA	6
## 1128	Several	None	NA	NA	NA	6
## 1129	None	None	2	1	NA	7
## 1130	None	None	2	1	NA	7
## 1131	None	None	NA	NA	NA	7
## 1132	None	None	NA	NA	NA	7
## 1133	None	None	NA	NA	NA	7
## 1134	None	None	4	1	NA	7
## 1135	None	None	NA	NA	NA	8
## 1136	None	None	1	1	NA	7
## 1137	None	None	NA	NA	NA	7
## 1138	None	None	NA	NA	NA	7
## 1141	Several	None	NA	NA	NA	6
## 1145	None	None	NA	NA	NA	6
## 1146	None	None	NA	NA	NA	6
## 1147	None	None	NA	NA	NA	6
## 1148	None	None	NA	NA	NA	6
## 1149	None	None	NA	NA	NA	6
## 1150	None	None	7	7	19	7
## 1151	None	None	NA	NA	NA	7
## 1155	None	None	4	4	17	6
## 1157	None	None	NA	NA	NA	8
## 1158	Most	Most	3	2	24	6
## 1162	None	None	NA	NA	NA	6
## 1163	None	None	NA	NA	NA	6
## 1164	Several	None	3	3	25	8
## 1165	Several	None	3	3	25	8
## 1166	Several	None	3	3	25	8
## 1167	None	None	4	2	19	6
## 1170	<NA>	<NA>	NA	NA	NA	8
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## 1172	<NA>	<NA>	NA	NA	NA	4
## 1173	None	None	NA	NA	NA	6
## 1176	None	None	NA	NA	NA	8
## 1177	None	None	2	2	29	8
## 1178	None	None	5	3	31	7

## 1180	<NA>	<NA>	NA	NA	NA	6
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## 1183	None	None	2	2	27	8
## 1184	None	None	NA	NA	NA	5
## 1185	Several	Several	NA	NA	NA	8
## 1187	None	None	6	4	21	4
## 1188	None	None	3	1	NA	9
## 1190	Several	Several	NA	NA	NA	7
## 1191	Several	Several	NA	NA	NA	7
## 1192	None	None	NA	NA	NA	6
## 1193	Several	None	2	2	22	5
## 1194	None	None	NA	NA	NA	6
## 1195	None	None	4	4	26	8
## 1200	None	None	NA	NA	NA	7
## 1201	None	None	NA	NA	NA	7
## 1202	Most	Several	NA	NA	NA	10
## 1203	None	None	7	3	25	6
## 1208	<NA>	<NA>	NA	NA	NA	7
## 1211	None	None	NA	NA	NA	6
## 1215	None	None	4	3	26	6
## 1216	None	None	NA	NA	NA	7
## 1217	Several	Several	1	1	NA	8
## 1218	Several	Several	1	1	NA	8
## 1219	Several	Several	1	1	NA	8
## 1220	None	None	5	3	19	7
## 1221	None	None	NA	NA	NA	7
## 1223	None	None	NA	NA	NA	6
## 1224	None	None	NA	NA	NA	7
## 1225	None	None	4	2	16	7
## 1226	None	None	4	2	16	7
## 1227	Most	None	NA	NA	NA	6
## 1229	None	None	NA	NA	NA	5
## 1230	None	None	1	1	NA	6
## 1231	None	None	1	1	NA	6
## 1232	<NA>	<NA>	NA	NA	NA	7
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## 1234	<NA>	<NA>	NA	NA	NA	6
## 1236	Several	None	NA	NA	NA	6
## 1237	Several	None	NA	NA	NA	6
## 1238	None	None	NA	NA	NA	5
## 1239	None	None	NA	NA	NA	6
## 1240	None	None	NA	NA	NA	6
## 1241	None	None	NA	NA	NA	6
## 1242	None	None	NA	NA	NA	6
## 1243	None	None	NA	NA	NA	6
## 1247	None	None	NA	NA	NA	7
## 1248	None	None	NA	NA	NA	7
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## 1250	None	None	NA	NA	NA	7
## 1251	None	None	NA	NA	NA	7
## 1252	None	None	NA	NA	NA	7
## 1254	Several	None	NA	NA	NA	7
## 1256	None	Several	NA	NA	NA	4

## 1259	None	None	4	3	34	7
## 1260	None	None	NA	NA	NA	6
## 1261	Several	Several	3	3	20	7
## 1262	Several	Several	3	3	20	7
## 1265	None	None	4	4	18	9
## 1266	None	None	4	4	18	9
## 1268	None	None	5	5	21	7
## 1269	None	None	5	5	21	7
## 1270	None	None	5	5	21	7
## 1276	<NA>	<NA>	NA	NA	NA	7
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## 1282	None	Several	6	2	17	3
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## 1286	None	None	NA	NA	NA	8
## 1291	None	None	NA	NA	NA	7
## 1292	None	Several	4	2	28	6
## 1293	None	None	NA	NA	NA	8
## 1294	None	None	NA	NA	NA	7
## 1295	None	None	NA	NA	NA	7
## 1297	None	Most	5	5	17	6
## 1301	None	Several	NA	NA	NA	6
## 1302	None	None	2	2	32	4
## 1304	None	None	2	2	25	9
## 1305	None	None	2	2	25	9
## 1306	None	None	2	2	25	9
## 1308	Several	Several	NA	NA	NA	8
## 1314	None	None	1	NA	NA	6
## 1319	Most	None	2	1	NA	3
## 1322	None	None	NA	NA	NA	5
## 1323	None	None	NA	NA	NA	5
## 1326	None	None	5	3	14	6
## 1328	Several	None	3	1	NA	7
## 1330	None	None	4	2	18	8
## 1335	Most	Several	NA	NA	NA	8
## 1340	Most	None	NA	NA	NA	6
## 1341	Most	None	NA	NA	NA	6
## 1342	Most	None	NA	NA	NA	6
## 1343	Most	None	NA	NA	NA	6
## 1344	Several	None	5	3	23	5
## 1346	None	None	NA	NA	NA	7
## 1350	<NA>	<NA>	NA	NA	NA	6
## 1351	<NA>	<NA>	NA	NA	NA	5
## 1352	<NA>	<NA>	NA	NA	NA	5
## 1353	None	None	NA	NA	NA	7
## 1354	<NA>	<NA>	NA	NA	NA	8
## 1355	None	None	3	3	23	6
## 1356	None	None	3	3	23	6
## 1357	None	None	3	3	23	6
## 1358	Most	Several	3	2	35	8
## 1359	None	None	4	2	23	6
## 1360	None	None	NA	NA	NA	8

## 1361	None	None	2	2	19	5
## 1362	None	None	2	2	19	5
## 1363	None	None	2	2	19	5
## 1364	<NA>	<NA>	NA	NA	NA	8
## 1365	None	Most	5	5	23	7
## 1366	Several	Several	7	6	17	5
## 1367	Several	Several	7	6	17	5
## 1368	Several	Several	7	6	17	5
## 1369	Several	Several	3	3	16	6
## 1370	None	None	NA	NA	NA	8
## 1371	None	None	NA	NA	NA	8
## 1372	None	None	NA	NA	NA	8
## 1373	None	Several	4	4	17	6
## 1374	None	None	NA	NA	NA	6
## 1375	Several	Several	NA	NA	NA	6
## 1376	None	None	NA	NA	NA	5
## 1377	Most	Most	NA	NA	NA	10
## 1378	Most	Most	NA	NA	NA	10
## 1379	None	None	2	2	21	7
## 1380	None	None	2	2	21	7
## 1381	None	None	NA	NA	NA	6
## 1382	None	None	NA	NA	NA	6
## 1383	Several	Several	NA	NA	NA	7
## 1384	Several	Several	NA	NA	NA	7
## 1388	None	None	NA	NA	NA	8
## 1389	<NA>	<NA>	NA	NA	NA	6
## 1390	<NA>	<NA>	NA	NA	NA	5
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## 1401	None	None	NA	NA	NA	8
## 1408	None	None	1	1	NA	8
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## 1410	None	None	NA	NA	NA	8
## 1411	None	None	NA	NA	NA	8
## 1412	<NA>	<NA>	NA	NA	NA	5
## 1414	None	None	NA	NA	NA	6
## 1415	None	None	NA	NA	NA	6
## 1416	None	None	3	3	22	9
## 1417	None	None	NA	NA	NA	8
## 1418	Several	Most	NA	NA	NA	6
## 1422	None	None	NA	NA	NA	8
## 1423	None	None	2	2	30	6
## 1424	Most	Most	4	4	18	6
## 1425	Most	Most	4	4	18	6
## 1426	None	None	NA	NA	NA	6
## 1427	None	None	NA	NA	NA	6
## 1428	Several	None	NA	NA	NA	5
## 1429	Several	Several	2	1	NA	7

## 1430	Several	Several	2	1	NA	7
## 1431	Several	Several	2	1	NA	7
## 1435	Most	Several	NA	NA	NA	8
## 1436	Several	Several	NA	NA	NA	6
## 1438	Several	Most	1	NA	NA	9
## 1441	None	Several	3	3	15	5
## 1444	None	None	NA	NA	NA	7
## 1445	None	None	NA	NA	NA	7
## 1446	Most	Most	3	3	18	3
## 1448	None	None	6	5	20	7
## 1449	Several	Several	NA	NA	NA	9
## 1450	None	None	5	4	23	8
## 1451	Several	Several	NA	NA	NA	6
## 1452	None	None	5	4	19	11
## 1453	Several	None	NA	NA	NA	8
## 1454	None	None	3	3	19	6
## 1455	Several	Several	NA	NA	NA	6
## 1457	Several	Several	3	3	31	6
## 1458	None	None	4	2	28	6
## 1459	Several	None	NA	NA	NA	8
## 1460	Several	None	NA	NA	NA	8
## 1462	None	None	NA	NA	NA	8
## 1463	None	Several	NA	NA	NA	6
## 1464	None	Several	NA	NA	NA	6
## 1465	Several	None	NA	NA	NA	7
## 1466	None	None	NA	NA	NA	7
## 1472	None	None	NA	NA	NA	4
## 1473	None	None	NA	NA	NA	4
## 1475	None	None	NA	NA	NA	7
## 1476	None	None	3	2	26	5
## 1477	None	None	3	2	26	5
## 1478	None	None	NA	NA	NA	6
## 1479	None	None	NA	NA	NA	6
## 1480	None	None	NA	NA	NA	4
## 1484	None	None	NA	NA	NA	9
## 1485	None	Several	NA	NA	NA	6
## 1488	None	None	2	2	22	8
## 1489	None	None	2	2	22	8
## 1490	None	None	NA	NA	NA	6
## 1491	None	None	NA	NA	NA	6
## 1492	Several	Most	NA	NA	NA	6
## 1494	None	Several	NA	NA	NA	6
## 1495	<NA>	<NA>	NA	NA	NA	6
## 1496	<NA>	<NA>	NA	NA	NA	6
## 1497	Several	Several	1	1	NA	7
## 1498	Several	None	NA	NA	NA	8
## 1500	None	None	2	2	22	6
## 1501	None	None	2	2	30	8
## 1502	None	None	NA	NA	NA	7
## 1504	None	None	10	4	25	9
## 1505	None	None	1	NA	NA	8
## 1511	None	None	NA	NA	NA	7
## 1517	Several	None	NA	NA	NA	8
## 1518	None	Several	NA	NA	NA	7

## 1519	None	Several	NA	NA	NA	7
## 1520	None	Several	NA	NA	NA	7
## 1521	None	Several	NA	NA	NA	7
## 1522	None	None	NA	NA	NA	7
## 1523	None	None	NA	NA	NA	7
## 1525	Several	Most	4	2	19	12
## 1526	Most	Several	NA	NA	NA	3
## 1527	None	Several	3	2	20	6
## 1528	None	None	NA	NA	NA	6
## 1529	None	None	3	2	22	8
## 1530	None	None	3	2	22	8
## 1532	<NA>	<NA>	NA	NA	NA	4
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## 1535	None	None	2	2	25	7
## 1538	None	None	10	3	28	6
## 1539	None	None	10	3	28	6
## 1541	Most	None	NA	NA	NA	8
## 1542	Most	None	NA	NA	NA	8
## 1546	None	None	NA	NA	NA	8
## 1547	None	None	NA	NA	NA	8
## 1548	None	None	NA	NA	NA	8
## 1549	None	None	NA	NA	NA	7
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## 1565	None	None	3	1	NA	6
## 1566	None	None	3	1	NA	6
## 1568	None	None	NA	NA	NA	7
## 1574	None	None	7	7	15	7
## 1575	Several	Several	NA	NA	NA	6
## 1580	None	None	NA	NA	NA	9
## 1581	None	None	4	4	18	7
## 1582	None	None	4	4	18	7
## 1584	None	None	2	2	24	8
## 1585	Several	None	5	2	21	6
## 1587	None	None	2	2	19	8
## 1589	None	None	5	2	24	8
## 1590	None	None	2	2	19	5
## 1591	Several	Several	3	3	26	9
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## 1599	Most	Most	3	2	21	8
## 1601	None	None	NA	NA	NA	6

## 1604	None	None	9	9	15	9
## 1605	None	None	1	1	NA	7
## 1606	None	None	NA	NA	NA	8
## 1607	None	None	NA	NA	NA	8
## 1608	None	None	NA	NA	NA	8
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## 1625	None	None	1	NA	NA	9
## 1626	None	None	1	NA	NA	9
## 1627	None	None	1	NA	NA	9
## 1628	None	None	1	NA	NA	9
## 1629	None	None	NA	NA	NA	8
## 1630	None	None	NA	NA	NA	8
## 1631	None	None	NA	NA	NA	4
## 1632	None	None	NA	NA	NA	8
## 1633	None	None	NA	NA	NA	8
## 1634	None	None	NA	NA	NA	8
## 1639	None	None	3	2	19	7
## 1640	None	None	3	3	21	7
## 1641	<NA>	<NA>	NA	NA	NA	7
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## 1645	Several	None	2	2	24	6
## 1646	Several	None	2	2	24	6
## 1647	Several	None	NA	NA	NA	8
## 1648	Most	None	1	1	NA	6
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## 1655	None	None	NA	NA	NA	8
## 1656	None	None	NA	NA	NA	8
## 1660	None	None	NA	NA	NA	6
## 1661	Several	Several	NA	NA	NA	7
## 1662	Several	None	2	2	34	6
## 1663	None	None	NA	NA	NA	5
## 1664	None	None	NA	NA	NA	5
## 1676	None	None	NA	NA	NA	7
## 1677	None	None	NA	NA	NA	7
## 1678	Several	Several	NA	NA	NA	8
## 1679	Several	Several	NA	NA	NA	8
## 1681	None	None	NA	NA	NA	6
## 1683	None	None	NA	NA	NA	8
## 1684	None	None	NA	NA	NA	8
## 1685	Several	Several	1	1	NA	7
## 1688	None	None	NA	NA	NA	6
## 1689	None	Several	4	1	NA	9
## 1690	None	None	2	2	20	7
## 1693	None	None	NA	NA	NA	8
## 1694	None	None	NA	NA	NA	8

## 1695	None	None	2	2	25	8
## 1699	None	Several	2	NA	NA	7
## 1701	None	None	NA	NA	NA	8
## 1702	None	None	NA	NA	NA	8
## 1703	Several	Several	NA	NA	NA	6
## 1704	Most	Several	1	1	NA	7
## 1705	None	None	NA	NA	NA	7
## 1706	None	None	NA	NA	NA	7
## 1707	None	None	NA	NA	NA	7
## 1708	None	None	1	1	NA	5
## 1709	None	None	NA	NA	NA	8
## 1710	None	None	NA	NA	NA	8
## 1711	None	None	1	1	NA	6
## 1712	None	None	1	1	NA	6
## 1713	None	None	1	1	NA	6
## 1714	None	None	1	1	NA	6
## 1716	None	None	3	3	20	8
## 1717	Several	Several	NA	NA	NA	8
## 1718	Several	Several	NA	NA	NA	8
## 1723	None	None	NA	NA	NA	7
## 1724	None	Several	3	2	26	6
## 1725	None	Several	3	2	26	6
## 1726	None	None	4	3	29	5
## 1727	None	None	7	7	22	2
## 1733	None	None	NA	NA	NA	6
## 1734	None	None	NA	NA	NA	6
## 1735	None	Several	NA	NA	NA	7
## 1736	None	Several	NA	NA	NA	7
## 1746	None	None	3	3	22	8
## 1747	Several	Several	2	NA	NA	8
## 1748	Several	Several	2	NA	NA	8
## 1749	None	Several	2	2	17	7
## 1750	None	None	NA	NA	NA	6
## 1751	None	Several	1	1	NA	7
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## 1754	None	None	NA	NA	NA	8
## 1755	None	None	NA	NA	NA	8
## 1760	None	None	NA	NA	NA	5
## 1761	None	None	NA	NA	NA	5
## 1762	None	None	NA	NA	NA	5
## 1764	None	None	8	3	34	6
## 1765	<NA>	<NA>	NA	NA	NA	5
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## 1771	None	None	NA	NA	NA	8
## 1774	<NA>	<NA>	NA	NA	NA	7
## 1775	None	None	NA	NA	NA	7
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## 1778	None	None	4	3	17	7
## 1780	None	None	NA	NA	NA	7
## 1781	None	None	NA	NA	NA	7
## 1782	Most	Several	6	5	23	8

## 1783	None	Several	3	3	22	4
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## 1792	None	None	NA	NA	NA	6
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## 1795	None	None	2	2	25	8
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## 1799	None	None	NA	NA	NA	6
## 1800	None	None	NA	NA	NA	6
## 1802	None	None	NA	NA	NA	8
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## 1804	None	None	1	1	NA	8
## 1806	None	None	NA	NA	NA	6
## 1807	<NA>	<NA>	3	3	27	8
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## 1810	None	None	5	2	34	7
## 1811	None	None	5	2	34	7
## 1812	None	None	5	2	34	7
## 1814	<NA>	<NA>	NA	NA	NA	6
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## 1817	None	None	2	2	37	7
## 1818	None	None	2	2	37	7
## 1820	None	None	2	1	NA	8
## 1821	None	None	2	1	NA	8
## 1822	Several	Several	7	7	16	6
## 1826	Most	Most	NA	NA	NA	6
## 1827	Most	Most	NA	NA	NA	6
## 1828	Several	None	NA	NA	NA	8
## 1830	None	None	NA	NA	NA	8
## 1831	None	None	6	2	28	8
## 1833	None	None	NA	NA	NA	5
## 1834	None	Several	3	2	20	10
## 1835	Most	None	NA	NA	NA	7
## 1836	None	None	7	6	24	7
## 1837	<NA>	<NA>	NA	NA	NA	5
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## 1852	None	None	NA	NA	NA	6
## 1853	None	None	NA	NA	NA	7
## 1854	None	None	3	1	NA	5
## 1855	None	Several	2	2	32	4
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## 1860	None	None	NA	NA	NA	5
## 1861	Several	None	NA	NA	NA	7
## 1863	None	None	NA	NA	NA	8
## 1864	None	None	NA	NA	NA	8
## 1867	None	Several	NA	NA	NA	7
## 1870	None	None	NA	NA	NA	8
## 1871	<NA>	<NA>	NA	NA	NA	4
## 1872	Most	Most	NA	NA	NA	9
## 1873	None	None	NA	NA	NA	8
## 1877	None	None	NA	NA	NA	7
## 1878	None	None	NA	NA	NA	7
## 1885	None	None	NA	NA	NA	8
## 1887	None	None	4	2	16	8
## 1888	None	None	3	3	18	6
## 1889	None	None	NA	NA	NA	7
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## 1896	None	None	3	3	18	6
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## 1911	Several	Several	NA	NA	NA	8
## 1913	Several	Most	NA	NA	NA	3
## 1915	None	None	NA	NA	NA	7
## 1916	None	None	NA	NA	NA	7
## 1917	None	None	NA	NA	NA	7
## 1918	None	None	2	1	NA	7
## 1919	Several	None	NA	NA	NA	5
## 1920	Several	None	NA	NA	NA	5
## 1921	Several	None	NA	NA	NA	6
## 1923	<NA>	<NA>	NA	NA	NA	7
## 1924	<NA>	<NA>	NA	NA	NA	7
## 1925	None	None	NA	NA	NA	8
## 1932	None	None	NA	NA	NA	7
## 1933	None	None	NA	NA	NA	5
## 1934	None	None	NA	NA	NA	5
## 1935	None	None	NA	NA	NA	5
## 1936	Several	None	NA	NA	NA	3
## 1940	Most	Most	5	3	19	6
## 1941	<NA>	<NA>	NA	NA	NA	5
## 1942	<NA>	<NA>	NA	NA	NA	5
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## 1946	None	None	3	2	24	6
## 1947	None	None	NA	NA	NA	5
## 1954	Most	Most	10	8	17	6
## 1955	None	None	NA	NA	NA	4
## 1957	Several	None	5	5	23	9
## 1958	<NA>	<NA>	NA	NA	NA	5
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## 1962	None	None	NA	NA	NA	6
## 1963	None	None	NA	NA	NA	6
## 1965	None	None	NA	NA	NA	7
## 1966	<NA>	<NA>	NA	NA	NA	7
## 1968	None	Several	NA	NA	NA	6
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## 1970	None	Several	NA	NA	NA	6
## 1974	None	None	NA	NA	NA	9
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## 8	No	Yes	5	<NA>	<NA>	NA
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## 2	NA	Yes	NA	0	No	Yes
## 3	NA	Yes	NA	0	No	Yes
## 5	NA	Yes	2	20	Yes	Yes
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## 9	NA	Yes	3	52	<NA>	No
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## 16	NA	No	NA	0	<NA>	No
## 18	NA	Yes	3	104	No	Yes
## 19	NA	Yes	6	36	No	Yes
## 21	NA	Yes	1	12	<NA>	No
## 22	NA	Yes	1	12	<NA>	No

## 23	NA	Yes	1	312	No	Yes
## 24	NA	Yes	2	156	<NA>	No
## 25	NA	Yes	2	156	<NA>	No
## 26	NA	No	NA	0	<NA>	No
## 28	NA	Yes	12	104	<NA>	No
## 29	NA	Yes	NA	0	Yes	Yes
## 30	NA	Yes	NA	0	Yes	Yes
## 31	NA	No	NA	NA	<NA>	No
## 32	NA	Yes	4	104	<NA>	No
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## 36	NA	Yes	1	24	<NA>	No
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## 45	NA	Yes	3	240	Yes	Yes
## 46	NA	Yes	2	12	<NA>	No
## 47	NA	Yes	1	12	<NA>	No
## 48	NA	Yes	12	260	Yes	Yes
## 49	NA	Yes	5	104	Yes	Yes
## 54	NA	Yes	1	5	<NA>	No
## 55	NA	Yes	NA	0	<NA>	No
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## 828	NA	Yes	1	3	No	Yes
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## 1128	NA	Yes	NA	0	No	Yes
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## 1344	NA	Yes	1	156	Yes	Yes
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## 1379	NA	Yes	3	52	No	Yes
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## 1397	NA	<NA>	NA	NA	No	Yes
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## 1590	NA	Yes	3	52	Yes	Yes
## 1591	NA	Yes	NA	0	No	Yes
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## 1628	NA	Yes	1	6	Yes	Yes
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## 1646	NA	Yes	3	312	No	Yes
## 1647	NA	Yes	2	24	<NA>	No
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## 1660	NA	Yes	NA	0	No	Yes
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## 1681	NA	Yes	NA	0	No	Yes
## 1683	NA	Yes	4	104	Yes	Yes
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## 1746	NA	No	NA	NA	<NA>	No
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## 1749	NA	Yes	1	12	No	Yes
## 1750	NA	Yes	5	260	No	Yes
## 1751	NA	No	1	12	<NA>	No
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## 1762	NA	No	NA	0	No	Yes
## 1764	NA	No	NA	0	<NA>	No
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## 1774	NA	<NA>	NA	NA	No	Yes
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## 1790	NA	Yes	3	208	Yes	Yes
## 1791	NA	Yes	6	24	No	Yes
## 1792	NA	Yes	6	24	No	Yes
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## 1794	NA	Yes	12	48	<NA>	No
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## 1806	NA	Yes	1	12	Yes	Yes
## 1807	NA	No	NA	NA	<NA>	No
## 1809	NA	Yes	4	52	<NA>	No
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## 1814	NA	<NA>	NA	NA	Yes	Yes
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## 1826	NA	Yes	3	104	<NA>	No
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## 1828	NA	Yes	4	260	<NA>	No
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## 1831	NA	Yes	2	260	Yes	Yes
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## 1877	NA	No	NA	NA	<NA>	No
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## 1887	NA	Yes	3	10	Yes	Yes

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## 1889	NA	Yes	6	5	No	Yes
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## 1910	NA	No	1	1	<NA>	No
## 1911	NA	Yes	1	36	<NA>	No
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## 1925	NA	Yes	10	156	<NA>	No
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## 1933	NA	Yes	1	364	No	Yes
## 1934	NA	Yes	1	364	No	Yes
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## 1936	NA	Yes	2	3	Yes	Yes
## 1940	NA	Yes	4	4	Yes	Yes
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## 1946	NA	Yes	1	52	<NA>	No
## 1947	NA	Yes	6	6	Yes	Yes
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## 1957	NA	No	NA	NA	<NA>	No
## 1958	NA	<NA>	NA	NA	No	Yes
## 1959	NA	<NA>	NA	NA	<NA>	No
## 1960	NA	Yes	NA	0	Yes	Yes
## 1961	NA	Yes	NA	0	Yes	Yes
## 1962	NA	Yes	NA	0	Yes	Yes
## 1963	NA	Yes	NA	0	Yes	Yes
## 1965	NA	Yes	1	52	Yes	Yes
## 1966	NA	<NA>	NA	NA	<NA>	No
## 1968	NA	Yes	1	12	<NA>	No

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## 1974	NA	Yes	2	104	<NA>	No
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## 1	Smoker	18	Yes	17	No	NA
## 2	Smoker	18	Yes	17	No	NA
## 3	Smoker	18	Yes	17	No	NA
## 5	Smoker	38	Yes	18	No	NA
## 8	Non-Smoker	NA	Yes	13	No	NA
## 9	Non-Smoker	NA	Yes	13	No	NA
## 10	Non-Smoker	NA	Yes	13	No	NA
## 11	Smoker	13	<NA>	NA	<NA>	NA
## 12	Non-Smoker	NA	Yes	19	Yes	20
## 13	Non-Smoker	NA	Yes	15	Yes	15
## 15	Smoker	17	<NA>	NA	<NA>	NA
## 16	Non-Smoker	NA	No	NA	No	NA
## 18	Smoker	NA	No	NA	No	NA
## 19	Smoker	16	<NA>	NA	<NA>	NA
## 21	Non-Smoker	NA	No	NA	No	NA
## 22	Non-Smoker	NA	No	NA	No	NA
## 23	Smoker	18	Yes	18	No	NA
## 24	Non-Smoker	NA	No	NA	No	NA
## 25	Non-Smoker	NA	No	NA	No	NA
## 26	Non-Smoker	NA	No	NA	No	NA
## 28	Non-Smoker	NA	Yes	22	Yes	25
## 29	Smoker	16	Yes	16	No	NA
## 30	Smoker	16	Yes	16	No	NA
## 31	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 32	Non-Smoker	NA	Yes	14	Yes	15
## 33	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 34	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 35	Smoker	35	No	NA	No	NA
## 36	Non-Smoker	NA	Yes	21	No	NA
## 37	Non-Smoker	NA	Yes	21	No	NA
## 45	Smoker	NA	Yes	14	Yes	15
## 46	Non-Smoker	NA	No	NA	No	NA
## 47	Non-Smoker	NA	No	NA	No	NA
## 48	Smoker	17	Yes	16	Yes	16
## 49	Smoker	17	Yes	13	Yes	16
## 54	Non-Smoker	NA	No	NA	No	NA
## 55	Non-Smoker	NA	No	NA	No	NA
## 56	Smoker	35	<NA>	NA	<NA>	NA
## 58	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 59	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 60	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 63	Smoker	16	Yes	13	Yes	16
## 64	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 65	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 66	Non-Smoker	NA	No	NA	No	NA
## 67	Non-Smoker	NA	No	NA	No	NA
## 68	Non-Smoker	NA	No	NA	No	NA
## 72	Non-Smoker	NA	Yes	17	No	NA
## 73	Non-Smoker	NA	Yes	17	No	NA
## 75	Non-Smoker	NA	<NA>	NA	<NA>	NA

## 76	Smoker	13	Yes	12	Yes	12
## 77	Smoker	13	Yes	12	Yes	12
## 78	Smoker	13	Yes	12	Yes	12
## 79	Smoker	22	Yes	11	Yes	11
## 80	Non-Smoker	NA	Yes	16	No	NA
## 81	Non-Smoker	NA	Yes	16	No	NA
## 82	Non-Smoker	NA	Yes	16	No	NA
## 83	Non-Smoker	NA	No	NA	No	NA
## 84	Non-Smoker	NA	No	NA	No	NA
## 85	Non-Smoker	NA	No	NA	No	NA
## 86	Non-Smoker	NA	No	NA	No	NA
## 90	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 91	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 93	Non-Smoker	NA	No	NA	No	NA
## 94	Non-Smoker	NA	No	NA	No	NA
## 95	Smoker	13	Yes	22	No	NA
## 96	Smoker	18	<NA>	NA	<NA>	NA
## 97	Smoker	20	Yes	14	Yes	15
## 101	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 102	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 103	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 104	Non-Smoker	NA	Yes	25	No	NA
## 105	Non-Smoker	NA	Yes	25	No	NA
## 106	Non-Smoker	NA	Yes	25	No	NA
## 107	Smoker	20	No	NA	No	NA
## 108	Smoker	20	No	NA	No	NA
## 109	Smoker	20	No	NA	No	NA
## 111	Non-Smoker	NA	No	NA	No	NA
## 112	Non-Smoker	NA	No	NA	No	NA
## 113	Non-Smoker	NA	No	NA	No	NA
## 114	Non-Smoker	NA	No	NA	No	NA
## 115	Non-Smoker	NA	No	NA	No	NA
## 116	Smoker	18	<NA>	NA	<NA>	NA
## 117	Smoker	20	Yes	16	No	NA
## 118	Smoker	20	Yes	16	No	NA
## 119	Smoker	20	Yes	16	No	NA
## 120	Smoker	20	Yes	16	No	NA
## 121	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 123	Smoker	NA	<NA>	NA	<NA>	NA
## 124	Non-Smoker	NA	No	NA	No	NA
## 125	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 126	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 127	Non-Smoker	NA	Yes	25	No	NA
## 128	Smoker	17	<NA>	NA	<NA>	NA
## 130	Non-Smoker	NA	No	NA	No	NA
## 131	Non-Smoker	NA	No	NA	No	NA
## 132	Non-Smoker	NA	No	NA	No	NA
## 133	Non-Smoker	NA	No	NA	No	NA
## 134	Smoker	15	Yes	18	No	NA
## 135	Smoker	15	Yes	18	No	NA
## 136	Non-Smoker	NA	No	NA	No	NA
## 139	Non-Smoker	NA	No	NA	No	NA
## 140	Non-Smoker	NA	No	NA	No	NA
## 141	Smoker	15	No	NA	No	NA

## 142	Smoker	15	Yes	15	Yes	15
## 143	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 144	Smoker	20	Yes	15	Yes	15
## 145	Smoker	18	No	NA	No	NA
## 146	Smoker	18	No	NA	No	NA
## 147	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 148	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 149	Smoker	16	Yes	18	Yes	19
## 150	Non-Smoker	NA	No	NA	No	NA
## 151	Non-Smoker	NA	No	NA	No	NA
## 152	Non-Smoker	NA	No	NA	No	NA
## 155	Non-Smoker	NA	No	NA	No	NA
## 156	Non-Smoker	NA	No	NA	No	NA
## 157	Non-Smoker	NA	No	NA	No	NA
## 158	Non-Smoker	NA	No	NA	No	NA
## 159	Smoker	10	No	NA	No	NA
## 160	Smoker	25	Yes	18	No	NA
## 162	Non-Smoker	NA	Yes	17	No	NA
## 163	Non-Smoker	NA	Yes	17	No	NA
## 164	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 165	Non-Smoker	NA	No	NA	No	NA
## 167	Non-Smoker	NA	No	NA	No	NA
## 168	Non-Smoker	NA	Yes	18	No	NA
## 169	Non-Smoker	NA	Yes	18	No	NA
## 170	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 171	Smoker	14	No	NA	No	NA
## 172	Smoker	20	<NA>	NA	<NA>	NA
## 173	Smoker	20	<NA>	NA	<NA>	NA
## 175	Smoker	9	Yes	12	Yes	12
## 176	Smoker	9	Yes	12	Yes	12
## 179	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 180	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 181	Non-Smoker	NA	No	NA	No	NA
## 182	Smoker	18	<NA>	NA	<NA>	NA
## 183	Smoker	18	<NA>	NA	<NA>	NA
## 184	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 185	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 187	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 188	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 189	Non-Smoker	NA	No	NA	No	NA
## 190	Non-Smoker	NA	No	NA	No	NA
## 192	Non-Smoker	NA	No	NA	No	NA
## 193	Non-Smoker	NA	No	NA	No	NA
## 194	Non-Smoker	NA	No	NA	No	NA
## 195	Non-Smoker	NA	No	NA	No	NA
## 197	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 198	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 199	Smoker	15	No	NA	No	NA
## 201	Smoker	17	<NA>	NA	<NA>	NA
## 204	Smoker	18	<NA>	NA	<NA>	NA
## 205	Non-Smoker	NA	Yes	19	No	NA
## 206	Smoker	17	No	NA	No	NA
## 207	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 209	Non-Smoker	NA	Yes	18	No	NA

## 211	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 212	Smoker	14	<NA>	NA	<NA>	NA
## 213	Smoker	14	<NA>	NA	<NA>	NA
## 214	Non-Smoker	NA	No	NA	No	NA
## 216	Smoker	21	<NA>	NA	<NA>	NA
## 217	Smoker	21	<NA>	NA	<NA>	NA
## 218	Smoker	18	<NA>	NA	<NA>	NA
## 219	Smoker	18	<NA>	NA	<NA>	NA
## 222	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 223	Smoker	18	<NA>	NA	<NA>	NA
## 225	Non-Smoker	NA	No	NA	No	NA
## 226	Non-Smoker	NA	No	NA	No	NA
## 228	Smoker	17	<NA>	NA	<NA>	NA
## 229	Non-Smoker	NA	Yes	18	No	NA
## 230	Non-Smoker	NA	Yes	18	No	NA
## 234	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 235	Non-Smoker	NA	No	NA	No	NA
## 236	Smoker	17	Yes	17	Yes	17
## 237	Smoker	17	Yes	17	Yes	17
## 239	Non-Smoker	NA	No	NA	No	NA
## 240	Non-Smoker	NA	No	NA	No	NA
## 241	Non-Smoker	NA	No	NA	No	NA
## 242	Smoker	14	<NA>	NA	<NA>	NA
## 243	Smoker	14	<NA>	NA	<NA>	NA
## 244	Smoker	14	Yes	18	Yes	24
## 245	Smoker	14	Yes	18	Yes	24
## 247	Smoker	19	<NA>	NA	<NA>	NA
## 249	Non-Smoker	NA	No	NA	No	NA
## 250	Smoker	16	<NA>	NA	<NA>	NA
## 251	Smoker	16	<NA>	NA	<NA>	NA
## 252	Smoker	16	<NA>	NA	<NA>	NA
## 253	Smoker	23	<NA>	NA	<NA>	NA
## 254	Non-Smoker	NA	No	NA	No	NA
## 255	Non-Smoker	NA	Yes	15	No	NA
## 256	Non-Smoker	NA	Yes	15	No	NA
## 257	Smoker	18	<NA>	NA	<NA>	NA
## 258	Non-Smoker	NA	No	NA	No	NA
## 259	Smoker	14	<NA>	NA	<NA>	NA
## 260	Smoker	26	<NA>	NA	<NA>	NA
## 262	Smoker	15	Yes	13	Yes	15
## 263	Smoker	15	Yes	13	Yes	15
## 264	Non-Smoker	NA	No	NA	No	NA
## 265	Smoker	18	<NA>	NA	<NA>	NA
## 267	Smoker	16	<NA>	NA	<NA>	NA
## 269	Non-Smoker	NA	Yes	30	No	NA
## 270	Non-Smoker	NA	Yes	30	No	NA
## 271	Non-Smoker	NA	Yes	16	No	NA
## 272	Smoker	NA	Yes	17	Yes	25
## 274	Smoker	22	<NA>	NA	<NA>	NA
## 275	Non-Smoker	NA	No	NA	No	NA
## 278	Smoker	17	Yes	17	Yes	18
## 279	Smoker	17	Yes	17	Yes	18
## 280	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 282	Non-Smoker	NA	No	NA	No	NA

## 283	Non-Smoker	NA	No	NA	No	NA
## 284	Smoker	19	No	NA	No	NA
## 285	Non-Smoker	NA	Yes	22	No	NA
## 286	Non-Smoker	NA	Yes	22	No	NA
## 287	Non-Smoker	NA	Yes	22	No	NA
## 289	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 290	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 291	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 292	Non-Smoker	NA	No	NA	No	NA
## 293	Non-Smoker	NA	No	NA	No	NA
## 296	Smoker	25	<NA>	NA	<NA>	NA
## 297	Smoker	15	Yes	14	Yes	15
## 298	Non-Smoker	NA	No	NA	No	NA
## 299	Non-Smoker	NA	No	NA	No	NA
## 300	Non-Smoker	NA	No	NA	No	NA
## 301	Non-Smoker	NA	No	NA	No	NA
## 303	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 304	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 306	Non-Smoker	NA	No	NA	No	NA
## 307	Non-Smoker	NA	Yes	16	Yes	16
## 308	Non-Smoker	NA	Yes	16	Yes	16
## 309	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 310	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 311	Smoker	17	Yes	17	Yes	17
## 312	Non-Smoker	NA	No	NA	No	NA
## 313	Non-Smoker	NA	No	NA	No	NA
## 315	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 316	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 317	Smoker	14	Yes	14	Yes	16
## 319	Non-Smoker	NA	Yes	17	No	NA
## 320	Smoker	18	No	NA	No	NA
## 321	Non-Smoker	NA	No	NA	No	NA
## 322	Non-Smoker	NA	No	NA	No	NA
## 324	Smoker	13	Yes	15	Yes	15
## 325	Non-Smoker	NA	No	NA	No	NA
## 326	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 327	Non-Smoker	NA	Yes	19	No	NA
## 328	Non-Smoker	NA	Yes	19	No	NA
## 332	Non-Smoker	NA	No	NA	No	NA
## 333	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 334	Non-Smoker	NA	Yes	15	Yes	17
## 335	Non-Smoker	NA	Yes	21	No	NA
## 336	Non-Smoker	NA	Yes	21	No	NA
## 337	Non-Smoker	NA	Yes	21	No	NA
## 342	Non-Smoker	NA	Yes	18	No	NA
## 343	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 344	Smoker	15	Yes	15	Yes	15
## 345	Non-Smoker	NA	No	NA	No	NA
## 346	Non-Smoker	NA	No	NA	No	NA
## 348	Non-Smoker	NA	Yes	20	No	NA
## 349	Non-Smoker	NA	Yes	16	No	NA
## 350	Non-Smoker	NA	No	NA	No	NA
## 352	Smoker	14	<NA>	NA	<NA>	NA
## 354	Smoker	16	<NA>	NA	<NA>	NA

## 355	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 358	Smoker	18	Yes	19	No	NA
## 359	Smoker	12	Yes	19	Yes	19
## 360	Smoker	12	Yes	19	Yes	19
## 361	Non-Smoker	NA	Yes	12	No	NA
## 364	Smoker	16	Yes	13	Yes	15
## 366	Smoker	18	Yes	18	No	NA
## 367	Smoker	40	<NA>	NA	<NA>	NA
## 368	Smoker	18	Yes	18	No	NA
## 369	Non-Smoker	NA	Yes	17	No	NA
## 370	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 371	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 374	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 375	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 376	Non-Smoker	NA	No	NA	No	NA
## 377	Smoker	30	<NA>	NA	<NA>	NA
## 378	Smoker	18	<NA>	NA	<NA>	NA
## 380	Smoker	15	Yes	13	Yes	30
## 381	Non-Smoker	NA	Yes	19	No	NA
## 382	Non-Smoker	NA	Yes	19	No	NA
## 383	Non-Smoker	NA	Yes	19	No	NA
## 384	Smoker	18	Yes	21	No	NA
## 385	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 387	Smoker	19	Yes	18	No	NA
## 388	Smoker	19	Yes	18	No	NA
## 389	Non-Smoker	NA	No	NA	No	NA
## 390	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 391	Smoker	NA	<NA>	NA	<NA>	NA
## 392	Smoker	NA	<NA>	NA	<NA>	NA
## 397	Smoker	18	<NA>	NA	<NA>	NA
## 398	Non-Smoker	NA	Yes	16	No	NA
## 399	Non-Smoker	NA	Yes	16	No	NA
## 400	Non-Smoker	NA	Yes	16	No	NA
## 401	Smoker	16	<NA>	NA	<NA>	NA
## 404	Smoker	16	<NA>	NA	<NA>	NA
## 405	Smoker	16	<NA>	NA	<NA>	NA
## 406	Smoker	16	<NA>	NA	<NA>	NA
## 408	Smoker	21	<NA>	NA	<NA>	NA
## 409	Smoker	21	<NA>	NA	<NA>	NA
## 410	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 415	Non-Smoker	NA	Yes	17	No	NA
## 416	Non-Smoker	NA	Yes	17	No	NA
## 417	Non-Smoker	NA	No	NA	No	NA
## 418	Non-Smoker	NA	No	NA	No	NA
## 419	Non-Smoker	NA	No	NA	No	NA
## 425	Smoker	12	Yes	12	No	NA
## 428	Smoker	18	<NA>	NA	<NA>	NA
## 429	Smoker	20	<NA>	NA	<NA>	NA
## 430	Smoker	20	<NA>	NA	<NA>	NA
## 431	Smoker	20	<NA>	NA	<NA>	NA
## 432	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 433	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 434	Smoker	19	Yes	17	Yes	17
## 436	Smoker	15	Yes	15	Yes	15

## 437	Smoker	15	Yes	15	Yes	15
## 438	Smoker	15	Yes	15	Yes	15
## 439	Smoker	15	Yes	15	Yes	15
## 440	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 441	Non-Smoker	NA	No	NA	No	NA
## 444	Smoker	16	Yes	15	Yes	15
## 445	Smoker	15	Yes	16	Yes	17
## 446	Smoker	15	Yes	16	Yes	17
## 450	Non-Smoker	NA	No	NA	No	NA
## 451	Non-Smoker	NA	No	NA	No	NA
## 452	Non-Smoker	NA	No	NA	No	NA
## 453	Non-Smoker	NA	No	NA	No	NA
## 454	Smoker	15	Yes	18	Yes	18
## 455	Smoker	19	Yes	24	No	NA
## 458	Non-Smoker	NA	Yes	18	Yes	19
## 459	Non-Smoker	NA	Yes	18	Yes	19
## 460	Smoker	15	Yes	15	Yes	15
## 462	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 463	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 464	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 466	Smoker	14	Yes	15	No	NA
## 467	Smoker	13	Yes	13	Yes	14
## 468	Smoker	17	Yes	15	Yes	18
## 469	Smoker	15	Yes	13	Yes	18
## 470	Smoker	17	<NA>	NA	<NA>	NA
## 471	Non-Smoker	NA	Yes	18	No	NA
## 472	Non-Smoker	NA	Yes	18	No	NA
## 473	Non-Smoker	NA	No	NA	No	NA
## 474	Smoker	19	<NA>	NA	<NA>	NA
## 475	Smoker	19	<NA>	NA	<NA>	NA
## 477	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 478	Non-Smoker	NA	Yes	15	No	NA
## 479	Non-Smoker	NA	Yes	15	No	NA
## 480	Smoker	18	Yes	22	No	NA
## 481	Smoker	18	Yes	22	No	NA
## 482	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 483	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 484	Smoker	16	<NA>	NA	<NA>	NA
## 485	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 487	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 488	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 489	Non-Smoker	NA	Yes	16	No	NA
## 490	Non-Smoker	NA	Yes	16	No	NA
## 491	Smoker	15	Yes	16	Yes	17
## 492	Smoker	15	Yes	16	Yes	17
## 494	Non-Smoker	NA	No	NA	No	NA
## 495	Non-Smoker	NA	No	NA	No	NA
## 497	Smoker	18	<NA>	NA	<NA>	NA
## 498	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 499	Smoker	13	Yes	14	Yes	14
## 500	Smoker	16	Yes	12	No	NA
## 501	Smoker	16	Yes	12	No	NA
## 502	Smoker	16	Yes	12	No	NA
## 503	Smoker	16	Yes	12	No	NA

## 504	Smoker	NA	<NA>	NA	<NA>	NA
## 511	Smoker	33	No	NA	No	NA
## 512	Non-Smoker	NA	Yes	15	No	NA
## 513	Smoker	NA	<NA>	NA	<NA>	NA
## 514	Smoker	15	<NA>	NA	<NA>	NA
## 515	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 516	Smoker	19	No	NA	No	NA
## 519	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 522	Smoker	50	<NA>	NA	<NA>	NA
## 523	Non-Smoker	NA	Yes	14	No	NA
## 524	Smoker	22	<NA>	NA	<NA>	NA
## 525	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 526	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 527	Smoker	19	Yes	18	Yes	18
## 528	Smoker	25	No	NA	No	NA
## 529	Smoker	18	<NA>	NA	<NA>	NA
## 531	Non-Smoker	NA	Yes	17	No	NA
## 532	Non-Smoker	NA	Yes	17	No	NA
## 534	Smoker	34	Yes	14	No	NA
## 538	Non-Smoker	NA	No	NA	No	NA
## 539	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 540	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 541	Non-Smoker	NA	No	NA	No	NA
## 542	Smoker	18	<NA>	NA	<NA>	NA
## 543	Smoker	18	<NA>	NA	<NA>	NA
## 544	Smoker	15	No	NA	No	NA
## 545	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 546	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 547	Non-Smoker	NA	No	NA	No	NA
## 549	Smoker	NA	Yes	15	Yes	15
## 550	Non-Smoker	NA	Yes	19	No	NA
## 551	Non-Smoker	NA	Yes	19	No	NA
## 552	Smoker	15	Yes	13	Yes	14
## 553	Smoker	18	Yes	16	No	NA
## 556	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 557	Non-Smoker	NA	Yes	13	No	NA
## 558	Smoker	14	Yes	17	Yes	18
## 559	Smoker	14	Yes	17	Yes	18
## 560	Non-Smoker	NA	Yes	22	Yes	25
## 561	Smoker	14	Yes	19	Yes	19
## 563	Non-Smoker	NA	No	NA	No	NA
## 565	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 566	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 567	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 568	Smoker	NA	<NA>	NA	<NA>	NA
## 569	Smoker	NA	<NA>	NA	<NA>	NA
## 570	Smoker	NA	<NA>	NA	<NA>	NA
## 572	Non-Smoker	NA	No	NA	No	NA
## 573	Non-Smoker	NA	No	NA	No	NA
## 574	Non-Smoker	NA	No	NA	No	NA
## 576	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 580	Smoker	12	<NA>	NA	<NA>	NA
## 581	Non-Smoker	NA	Yes	21	No	NA
## 582	Non-Smoker	NA	<NA>	NA	<NA>	NA

## 585	Smoker	14	No	NA	No	NA
## 586	Smoker	14	No	NA	No	NA
## 587	Smoker	16	Yes	18	No	NA
## 590	Smoker	15	Yes	13	Yes	13
## 593	Non-Smoker	NA	No	NA	No	NA
## 594	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 595	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 596	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 597	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 598	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 599	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 600	Non-Smoker	NA	No	NA	No	NA
## 601	Non-Smoker	NA	No	NA	No	NA
## 602	Non-Smoker	NA	No	NA	No	NA
## 603	Non-Smoker	NA	No	NA	No	NA
## 604	Smoker	18	<NA>	NA	<NA>	NA
## 605	Non-Smoker	NA	No	NA	No	NA
## 606	Non-Smoker	NA	No	NA	No	NA
## 608	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 609	Smoker	22	<NA>	NA	<NA>	NA
## 610	Smoker	18	<NA>	NA	<NA>	NA
## 612	Smoker	12	<NA>	NA	<NA>	NA
## 614	Smoker	21	Yes	14	No	NA
## 615	Smoker	16	<NA>	NA	<NA>	NA
## 616	Non-Smoker	NA	No	NA	No	NA
## 617	Non-Smoker	NA	No	NA	No	NA
## 620	Non-Smoker	NA	No	NA	No	NA
## 625	Smoker	21	Yes	NA	No	NA
## 626	Smoker	15	<NA>	NA	<NA>	NA
## 628	Smoker	19	Yes	20	No	NA
## 629	Smoker	19	Yes	20	No	NA
## 632	Non-Smoker	NA	No	NA	No	NA
## 633	Non-Smoker	NA	No	NA	No	NA
## 634	Smoker	22	<NA>	NA	<NA>	NA
## 637	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 638	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 640	Smoker	18	<NA>	NA	<NA>	NA
## 641	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 642	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 643	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 646	Non-Smoker	NA	Yes	19	No	NA
## 647	Non-Smoker	NA	Yes	19	No	NA
## 648	Non-Smoker	NA	Yes	19	No	NA
## 652	Smoker	16	Yes	13	No	NA
## 653	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 654	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 655	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 656	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 657	Smoker	20	<NA>	NA	<NA>	NA
## 658	Smoker	20	<NA>	NA	<NA>	NA
## 659	Smoker	28	<NA>	NA	<NA>	NA
## 660	Smoker	28	<NA>	NA	<NA>	NA
## 661	Smoker	28	<NA>	NA	<NA>	NA
## 662	Smoker	28	<NA>	NA	<NA>	NA

## 663	Smoker	18	<NA>	NA	<NA>	NA
## 665	Smoker	18	No	NA	No	NA
## 666	Smoker	17	Yes	13	Yes	16
## 672	Non-Smoker	NA	Yes	19	No	NA
## 675	Smoker	15	Yes	14	Yes	16
## 676	Smoker	15	Yes	14	Yes	16
## 677	Smoker	15	No	NA	No	NA
## 681	Smoker	17	Yes	18	No	NA
## 682	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 683	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 685	Non-Smoker	NA	No	NA	No	NA
## 686	Non-Smoker	NA	No	NA	No	NA
## 695	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 696	Non-Smoker	NA	No	NA	No	NA
## 697	Non-Smoker	NA	No	NA	No	NA
## 698	Non-Smoker	NA	No	NA	No	NA
## 699	Non-Smoker	NA	No	NA	No	NA
## 700	Non-Smoker	NA	No	NA	No	NA
## 701	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 702	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 703	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 706	Non-Smoker	NA	Yes	16	No	NA
## 707	Smoker	19	Yes	19	Yes	22
## 710	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 712	Non-Smoker	NA	Yes	43	No	NA
## 713	Non-Smoker	NA	Yes	43	No	NA
## 714	Non-Smoker	NA	No	NA	No	NA
## 715	Smoker	30	No	NA	No	NA
## 716	Non-Smoker	NA	No	NA	No	NA
## 717	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 719	Non-Smoker	NA	Yes	19	No	NA
## 720	Non-Smoker	NA	Yes	19	No	NA
## 721	Non-Smoker	NA	Yes	19	No	NA
## 722	Non-Smoker	NA	Yes	19	No	NA
## 723	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 724	Smoker	19	<NA>	NA	<NA>	NA
## 725	Smoker	9	Yes	9	Yes	11
## 726	Smoker	15	Yes	15	Yes	15
## 727	Smoker	15	Yes	15	Yes	15
## 728	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 731	Smoker	17	Yes	17	Yes	21
## 732	Non-Smoker	NA	Yes	16	No	NA
## 733	Non-Smoker	NA	No	NA	No	NA
## 734	Non-Smoker	NA	No	NA	No	NA
## 739	Smoker	16	Yes	14	Yes	16
## 740	Non-Smoker	NA	No	NA	No	NA
## 741	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 743	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 744	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 745	Smoker	22	No	NA	No	NA
## 751	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 752	Smoker	19	No	NA	No	NA
## 753	Smoker	19	No	NA	No	NA
## 756	Smoker	20	<NA>	NA	<NA>	NA

## 757	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 760	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 761	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 764	Non-Smoker	NA	No	NA	No	NA
## 766	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 767	Non-Smoker	NA	Yes	23	No	NA
## 769	Non-Smoker	NA	No	NA	No	NA
## 772	Smoker	14	No	NA	No	NA
## 774	Smoker	18	<NA>	NA	<NA>	NA
## 775	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 779	Non-Smoker	NA	No	NA	No	NA
## 780	Non-Smoker	NA	No	NA	No	NA
## 781	Non-Smoker	NA	Yes	19	Yes	21
## 782	Non-Smoker	NA	Yes	19	Yes	21
## 783	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 786	Smoker	15	Yes	19	No	NA
## 787	Smoker	15	Yes	19	No	NA
## 788	Smoker	13	Yes	24	No	NA
## 791	Smoker	16	<NA>	NA	<NA>	NA
## 792	Smoker	15	Yes	21	No	NA
## 793	Smoker	15	Yes	21	No	NA
## 797	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 798	Non-Smoker	NA	No	NA	No	NA
## 799	Non-Smoker	NA	No	NA	No	NA
## 800	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 801	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 802	Smoker	20	No	NA	No	NA
## 808	Non-Smoker	NA	Yes	20	No	NA
## 809	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 813	Non-Smoker	NA	No	NA	No	NA
## 814	Non-Smoker	NA	No	NA	No	NA
## 815	Non-Smoker	NA	No	NA	No	NA
## 816	Non-Smoker	NA	No	NA	No	NA
## 818	Smoker	18	No	NA	No	NA
## 819	Smoker	16	Yes	13	No	NA
## 821	Smoker	18	Yes	15	Yes	17
## 822	Smoker	18	Yes	15	Yes	17
## 823	Smoker	18	Yes	15	Yes	17
## 827	Smoker	17	Yes	17	No	NA
## 828	Smoker	16	<NA>	NA	<NA>	NA
## 832	Smoker	18	Yes	15	No	NA
## 833	Smoker	18	Yes	15	No	NA
## 834	Smoker	18	Yes	17	No	NA
## 835	Smoker	14	<NA>	NA	<NA>	NA
## 836	Smoker	14	<NA>	NA	<NA>	NA
## 837	Smoker	14	<NA>	NA	<NA>	NA
## 839	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 840	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 842	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 843	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 844	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 846	Smoker	15	Yes	15	No	NA
## 847	Smoker	15	Yes	15	No	NA
## 848	Smoker	15	Yes	15	No	NA

## 849	Smoker	15	Yes	15	No	NA
## 850	Smoker	15	Yes	15	No	NA
## 851	Smoker	18	<NA>	NA	<NA>	NA
## 852	Non-Smoker	NA	No	NA	No	NA
## 853	Non-Smoker	NA	No	NA	No	NA
## 854	Smoker	15	<NA>	NA	<NA>	NA
## 855	Smoker	16	<NA>	NA	<NA>	NA
## 856	Smoker	14	<NA>	NA	<NA>	NA
## 857	Smoker	15	<NA>	NA	<NA>	NA
## 858	Smoker	15	<NA>	NA	<NA>	NA
## 861	Smoker	15	Yes	16	Yes	16
## 863	Non-Smoker	NA	Yes	40	No	NA
## 864	Smoker	NA	Yes	16	Yes	17
## 865	Smoker	NA	Yes	16	Yes	17
## 867	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 868	Smoker	17	Yes	14	Yes	16
## 869	Non-Smoker	NA	Yes	14	Yes	14
## 875	Smoker	35	Yes	14	Yes	15
## 876	Smoker	35	Yes	14	Yes	15
## 877	Smoker	35	Yes	14	Yes	15
## 878	Smoker	35	<NA>	NA	<NA>	NA
## 879	Smoker	35	<NA>	NA	<NA>	NA
## 880	Smoker	19	Yes	17	Yes	20
## 881	Smoker	19	Yes	17	Yes	20
## 882	Smoker	20	<NA>	NA	<NA>	NA
## 884	Non-Smoker	NA	Yes	18	Yes	19
## 885	Non-Smoker	NA	Yes	18	Yes	19
## 886	Non-Smoker	NA	Yes	18	Yes	19
## 888	Smoker	17	Yes	28	No	NA
## 889	Smoker	17	Yes	28	No	NA
## 890	Non-Smoker	NA	No	NA	No	NA
## 892	Smoker	30	<NA>	NA	<NA>	NA
## 897	Non-Smoker	NA	No	NA	No	NA
## 898	Non-Smoker	NA	No	NA	No	NA
## 901	Non-Smoker	NA	Yes	18	No	NA
## 902	Smoker	16	<NA>	NA	<NA>	NA
## 905	Smoker	14	Yes	14	Yes	17
## 906	Smoker	NA	No	NA	No	NA
## 907	Smoker	NA	No	NA	No	NA
## 908	Smoker	19	<NA>	NA	<NA>	NA
## 909	Smoker	19	<NA>	NA	<NA>	NA
## 910	Non-Smoker	NA	No	NA	No	NA
## 911	Smoker	15	Yes	12	Yes	14
## 913	Non-Smoker	NA	No	NA	No	NA
## 914	Non-Smoker	NA	No	NA	No	NA
## 915	Non-Smoker	NA	No	NA	No	NA
## 916	Non-Smoker	NA	No	NA	No	NA
## 917	Smoker	NA	<NA>	NA	<NA>	NA
## 918	Smoker	16	Yes	13	Yes	13
## 919	Non-Smoker	NA	No	NA	No	NA
## 921	Non-Smoker	NA	Yes	17	No	NA
## 922	Non-Smoker	NA	Yes	17	No	NA
## 924	Non-Smoker	NA	No	NA	No	NA
## 925	Non-Smoker	NA	No	NA	No	NA

## 928	Non-Smoker	NA	Yes	23	No	NA
## 929	Smoker	24	Yes	15	No	NA
## 930	Smoker	24	Yes	15	No	NA
## 931	Smoker	24	Yes	15	No	NA
## 932	Smoker	24	Yes	15	No	NA
## 933	Non-Smoker	NA	No	NA	No	NA
## 935	Non-Smoker	NA	No	NA	No	NA
## 936	Smoker	15	Yes	14	Yes	15
## 937	Smoker	22	<NA>	NA	<NA>	NA
## 938	Smoker	22	<NA>	NA	<NA>	NA
## 939	Non-Smoker	NA	No	NA	No	NA
## 940	Non-Smoker	NA	No	NA	No	NA
## 941	Non-Smoker	NA	No	NA	No	NA
## 942	Smoker	15	No	NA	No	NA
## 943	Smoker	16	Yes	16	Yes	18
## 944	Smoker	16	Yes	16	Yes	18
## 945	Smoker	13	Yes	13	Yes	13
## 946	Non-Smoker	NA	No	NA	No	NA
## 947	Non-Smoker	NA	No	NA	No	NA
## 953	Non-Smoker	NA	No	NA	No	NA
## 954	Non-Smoker	NA	No	NA	No	NA
## 955	Non-Smoker	NA	No	NA	No	NA
## 957	Smoker	18	Yes	30	No	NA
## 958	Non-Smoker	NA	No	NA	No	NA
## 959	Non-Smoker	NA	Yes	17	No	NA
## 960	Smoker	18	Yes	16	No	NA
## 961	Smoker	16	No	NA	No	NA
## 962	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 963	Non-Smoker	NA	Yes	19	No	NA
## 965	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 966	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 967	Smoker	15	Yes	14	No	NA
## 968	Smoker	15	Yes	14	No	NA
## 969	Smoker	15	Yes	14	No	NA
## 970	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 971	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 974	Non-Smoker	NA	Yes	16	No	NA
## 976	Smoker	25	No	NA	No	NA
## 977	Non-Smoker	NA	Yes	22	Yes	25
## 978	Non-Smoker	NA	Yes	22	Yes	25
## 980	Smoker	18	<NA>	NA	<NA>	NA
## 987	Smoker	12	<NA>	NA	<NA>	NA
## 988	Smoker	14	Yes	15	No	NA
## 989	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 991	Smoker	17	Yes	30	No	NA
## 993	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 994	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 996	Non-Smoker	NA	Yes	15	No	NA
## 998	Non-Smoker	NA	No	NA	No	NA
## 999	Non-Smoker	NA	No	NA	No	NA
## 1000	Non-Smoker	NA	No	NA	No	NA
## 1001	Non-Smoker	NA	No	NA	No	NA
## 1002	Non-Smoker	NA	No	NA	No	NA
## 1005	Smoker	19	Yes	17	Yes	18

## 1006	Smoker	19	Yes	17	Yes	18
## 1007	Smoker	19	Yes	17	Yes	18
## 1009	Smoker	15	Yes	20	Yes	26
## 1010	Smoker	15	Yes	20	Yes	26
## 1011	Non-Smoker	NA	Yes	16	No	NA
## 1013	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1016	Smoker	NA	Yes	16	Yes	18
## 1017	Smoker	13	<NA>	NA	<NA>	NA
## 1018	Smoker	13	<NA>	NA	<NA>	NA
## 1019	Smoker	13	<NA>	NA	<NA>	NA
## 1020	Smoker	13	<NA>	NA	<NA>	NA
## 1023	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1024	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1025	Smoker	15	Yes	14	Yes	15
## 1026	Non-Smoker	NA	No	NA	No	NA
## 1027	Non-Smoker	NA	No	NA	No	NA
## 1029	Smoker	24	<NA>	NA	<NA>	NA
## 1030	Non-Smoker	NA	No	NA	No	NA
## 1031	Non-Smoker	NA	No	NA	No	NA
## 1032	Non-Smoker	NA	No	NA	No	NA
## 1033	Non-Smoker	NA	No	NA	No	NA
## 1034	Non-Smoker	NA	No	NA	No	NA
## 1035	Non-Smoker	NA	No	NA	No	NA
## 1036	Non-Smoker	NA	No	NA	No	NA
## 1037	Smoker	25	<NA>	NA	<NA>	NA
## 1038	Smoker	23	<NA>	NA	<NA>	NA
## 1041	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1042	Smoker	13	Yes	12	Yes	15
## 1043	Smoker	9	<NA>	NA	<NA>	NA
## 1044	Smoker	17	<NA>	NA	<NA>	NA
## 1045	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1046	Smoker	22	No	NA	No	NA
## 1047	Non-Smoker	NA	Yes	20	No	NA
## 1048	Non-Smoker	NA	Yes	20	No	NA
## 1049	Smoker	18	<NA>	NA	<NA>	NA
## 1050	Non-Smoker	NA	No	NA	No	NA
## 1051	Non-Smoker	NA	No	NA	No	NA
## 1052	Smoker	17	Yes	15	Yes	18
## 1053	Smoker	17	Yes	15	Yes	18
## 1056	Smoker	NA	No	NA	No	NA
## 1058	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1059	Smoker	14	Yes	13	Yes	18
## 1060	Smoker	14	Yes	13	Yes	18
## 1063	Smoker	18	Yes	16	Yes	16
## 1064	Smoker	NA	Yes	12	Yes	12
## 1065	Smoker	NA	Yes	12	Yes	12
## 1068	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1070	Smoker	16	<NA>	NA	<NA>	NA
## 1072	Smoker	21	<NA>	NA	<NA>	NA
## 1073	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1075	Non-Smoker	NA	Yes	14	No	NA
## 1076	Smoker	16	<NA>	NA	<NA>	NA
## 1077	Smoker	16	<NA>	NA	<NA>	NA
## 1078	Smoker	NA	<NA>	NA	<NA>	NA

## 1079	Smoker	NA	<NA>	NA	<NA>	NA
## 1082	Smoker	13	<NA>	NA	<NA>	NA
## 1084	Non-Smoker	NA	No	NA	No	NA
## 1085	Non-Smoker	NA	No	NA	No	NA
## 1090	Smoker	20	No	NA	No	NA
## 1091	Smoker	20	No	NA	No	NA
## 1092	Smoker	13	Yes	13	No	NA
## 1099	Smoker	12	<NA>	NA	<NA>	NA
## 1100	Smoker	16	No	NA	No	NA
## 1101	Smoker	16	No	NA	No	NA
## 1102	Smoker	17	<NA>	NA	<NA>	NA
## 1103	Non-Smoker	NA	Yes	16	Yes	16
## 1104	Non-Smoker	NA	Yes	16	Yes	16
## 1105	Non-Smoker	NA	Yes	16	Yes	16
## 1106	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1107	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1109	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1110	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1115	Smoker	18	<NA>	NA	<NA>	NA
## 1116	Smoker	18	<NA>	NA	<NA>	NA
## 1117	Smoker	32	Yes	16	Yes	17
## 1122	Non-Smoker	NA	No	NA	No	NA
## 1124	Smoker	20	No	NA	No	NA
## 1126	Smoker	17	Yes	17	Yes	17
## 1127	Smoker	17	Yes	17	Yes	17
## 1128	Smoker	17	Yes	17	Yes	17
## 1129	Non-Smoker	NA	No	NA	No	NA
## 1130	Non-Smoker	NA	No	NA	No	NA
## 1131	Smoker	15	No	NA	No	NA
## 1132	Non-Smoker	NA	Yes	16	No	NA
## 1133	Non-Smoker	NA	Yes	16	No	NA
## 1134	Smoker	23	Yes	16	No	NA
## 1135	Smoker	15	No	NA	No	NA
## 1136	Non-Smoker	NA	No	NA	No	NA
## 1137	Smoker	18	Yes	18	No	NA
## 1138	Smoker	18	Yes	18	No	NA
## 1141	Non-Smoker	NA	Yes	14	Yes	28
## 1145	Non-Smoker	NA	No	NA	No	NA
## 1146	Non-Smoker	NA	No	NA	No	NA
## 1147	Non-Smoker	NA	No	NA	No	NA
## 1148	Smoker	25	No	NA	No	NA
## 1149	Smoker	25	No	NA	No	NA
## 1150	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1151	Non-Smoker	NA	No	NA	No	NA
## 1155	Smoker	16	<NA>	NA	<NA>	NA
## 1157	Smoker	18	<NA>	NA	<NA>	NA
## 1158	Smoker	25	<NA>	NA	<NA>	NA
## 1162	Smoker	12	Yes	15	No	NA
## 1163	Smoker	12	Yes	15	No	NA
## 1164	Smoker	17	Yes	13	No	NA
## 1165	Smoker	17	Yes	13	No	NA
## 1166	Smoker	17	Yes	13	No	NA
## 1167	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1170	Non-Smoker	NA	<NA>	NA	<NA>	NA

## 1171	Smoker	16	Yes	14	No	NA
## 1172	Smoker	15	<NA>	NA	<NA>	NA
## 1173	Smoker	NA	No	NA	No	NA
## 1176	Smoker	18	No	NA	No	NA
## 1177	Smoker	NA	Yes	21	No	NA
## 1178	Non-Smoker	NA	Yes	22	No	NA
## 1180	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1181	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1182	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1183	Non-Smoker	NA	Yes	17	No	NA
## 1184	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1185	Smoker	24	No	NA	No	NA
## 1187	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1188	Non-Smoker	NA	No	NA	No	NA
## 1190	Smoker	17	Yes	15	Yes	22
## 1191	Smoker	17	Yes	15	Yes	22
## 1192	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1193	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1194	Non-Smoker	NA	No	NA	No	NA
## 1195	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1200	Smoker	17	<NA>	NA	<NA>	NA
## 1201	Smoker	17	<NA>	NA	<NA>	NA
## 1202	Smoker	18	<NA>	NA	<NA>	NA
## 1203	Non-Smoker	NA	No	NA	No	NA
## 1208	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1211	Smoker	15	Yes	15	Yes	16
## 1215	Non-Smoker	NA	Yes	15	No	NA
## 1216	Non-Smoker	NA	No	NA	No	NA
## 1217	Smoker	25	Yes	24	No	NA
## 1218	Smoker	25	Yes	24	No	NA
## 1219	Smoker	25	Yes	24	No	NA
## 1220	Smoker	22	Yes	18	No	NA
## 1221	Smoker	17	Yes	17	Yes	17
## 1223	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1224	Smoker	20	<NA>	NA	<NA>	NA
## 1225	Smoker	15	<NA>	NA	<NA>	NA
## 1226	Smoker	15	<NA>	NA	<NA>	NA
## 1227	Non-Smoker	NA	No	NA	No	NA
## 1229	Smoker	16	<NA>	NA	<NA>	NA
## 1230	Smoker	17	Yes	19	Yes	21
## 1231	Smoker	17	Yes	19	Yes	21
## 1232	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1233	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1234	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1236	Non-Smoker	NA	No	NA	No	NA
## 1237	Non-Smoker	NA	No	NA	No	NA
## 1238	Smoker	19	Yes	27	No	NA
## 1239	Smoker	23	Yes	20	No	NA
## 1240	Smoker	23	Yes	20	No	NA
## 1241	Smoker	23	Yes	20	No	NA
## 1242	Smoker	23	Yes	20	No	NA
## 1243	Smoker	23	Yes	20	No	NA
## 1247	Non-Smoker	NA	No	NA	No	NA
## 1248	Non-Smoker	NA	No	NA	No	NA

## 1249	Non-Smoker	NA	No	NA	No	NA
## 1250	Non-Smoker	NA	No	NA	No	NA
## 1251	Smoker	20	<NA>	NA	<NA>	NA
## 1252	Smoker	20	<NA>	NA	<NA>	NA
## 1254	Non-Smoker	NA	No	NA	No	NA
## 1256	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1259	Non-Smoker	NA	No	NA	No	NA
## 1260	Smoker	16	Yes	16	No	NA
## 1261	Non-Smoker	NA	Yes	14	No	NA
## 1262	Non-Smoker	NA	Yes	14	No	NA
## 1265	Smoker	16	<NA>	NA	<NA>	NA
## 1266	Smoker	16	<NA>	NA	<NA>	NA
## 1268	Smoker	30	<NA>	NA	<NA>	NA
## 1269	Smoker	30	<NA>	NA	<NA>	NA
## 1270	Smoker	30	<NA>	NA	<NA>	NA
## 1276	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1277	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1278	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1279	Smoker	18	<NA>	NA	<NA>	NA
## 1282	Smoker	13	Yes	17	Yes	17
## 1283	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1284	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1286	Non-Smoker	NA	No	NA	No	NA
## 1291	Non-Smoker	NA	No	NA	No	NA
## 1292	Smoker	18	Yes	13	Yes	17
## 1293	Non-Smoker	NA	No	NA	No	NA
## 1294	Smoker	19	Yes	18	No	NA
## 1295	Smoker	19	Yes	18	No	NA
## 1297	Non-Smoker	NA	No	NA	No	NA
## 1301	Smoker	19	Yes	21	Yes	21
## 1302	Non-Smoker	NA	No	NA	No	NA
## 1304	Smoker	25	No	NA	No	NA
## 1305	Smoker	25	No	NA	No	NA
## 1306	Smoker	25	No	NA	No	NA
## 1308	Non-Smoker	NA	No	NA	No	NA
## 1314	Non-Smoker	NA	No	NA	No	NA
## 1319	Smoker	18	Yes	15	Yes	18
## 1322	Smoker	15	<NA>	NA	<NA>	NA
## 1323	Smoker	15	<NA>	NA	<NA>	NA
## 1326	Smoker	17	No	NA	No	NA
## 1328	Non-Smoker	NA	Yes	14	Yes	17
## 1330	Smoker	18	<NA>	NA	<NA>	NA
## 1335	Non-Smoker	NA	No	NA	No	NA
## 1340	Smoker	18	Yes	16	Yes	18
## 1341	Smoker	18	Yes	16	Yes	18
## 1342	Smoker	18	Yes	16	Yes	18
## 1343	Smoker	18	Yes	16	Yes	18
## 1344	Smoker	9	Yes	13	Yes	16
## 1346	Non-Smoker	NA	No	NA	No	NA
## 1350	Smoker	20	<NA>	NA	<NA>	NA
## 1351	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1352	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1353	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1354	Non-Smoker	NA	<NA>	NA	<NA>	NA

## 1355 Non-Smoker	NA	No	NA	No	NA
## 1356 Non-Smoker	NA	No	NA	No	NA
## 1357 Non-Smoker	NA	No	NA	No	NA
## 1358 Smoker	13	Yes	13	Yes	13
## 1359 Smoker	14	No	NA	No	NA
## 1360 Smoker	18	<NA>	NA	<NA>	NA
## 1361 Smoker	15	Yes	15	Yes	15
## 1362 Smoker	15	Yes	15	Yes	15
## 1363 Smoker	15	Yes	15	Yes	15
## 1364 Smoker	7	<NA>	NA	<NA>	NA
## 1365 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1366 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1367 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1368 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1369 Non-Smoker	NA	No	NA	No	NA
## 1370 Smoker	14	Yes	14	Yes	14
## 1371 Smoker	14	Yes	14	Yes	14
## 1372 Smoker	14	Yes	14	Yes	14
## 1373 Non-Smoker	NA	No	NA	No	NA
## 1374 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1375 Non-Smoker	NA	No	NA	No	NA
## 1376 Smoker	18	Yes	14	Yes	16
## 1377 Smoker	19	Yes	19	No	NA
## 1378 Smoker	19	Yes	19	No	NA
## 1379 Smoker	16	Yes	17	No	NA
## 1380 Smoker	16	Yes	17	No	NA
## 1381 Smoker	10	Yes	14	Yes	23
## 1382 Smoker	10	Yes	14	Yes	23
## 1383 Non-Smoker	NA	Yes	16	Yes	18
## 1384 Non-Smoker	NA	Yes	16	Yes	18
## 1388 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1389 Smoker	16	<NA>	NA	<NA>	NA
## 1390 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1391 Non-Smoker	NA	Yes	15	Yes	22
## 1393 Smoker	20	Yes	15	No	NA
## 1394 Smoker	18	<NA>	NA	<NA>	NA
## 1395 Smoker	18	<NA>	NA	<NA>	NA
## 1397 Smoker	18	<NA>	NA	<NA>	NA
## 1398 Smoker	18	<NA>	NA	<NA>	NA
## 1399 Smoker	NA	No	NA	No	NA
## 1400 Smoker	NA	No	NA	No	NA
## 1401 Smoker	NA	No	NA	No	NA
## 1408 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1409 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1410 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1411 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1412 Smoker	17	<NA>	NA	<NA>	NA
## 1414 Non-Smoker	NA	No	NA	No	NA
## 1415 Non-Smoker	NA	No	NA	No	NA
## 1416 Smoker	14	Yes	14	Yes	15
## 1417 Smoker	20	Yes	14	Yes	14
## 1418 Non-Smoker	NA	Yes	17	No	NA
## 1422 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1423 Non-Smoker	NA	No	NA	No	NA

## 1424 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1425 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1426 Smoker	13	<NA>	NA	<NA>	NA
## 1427 Smoker	13	<NA>	NA	<NA>	NA
## 1428 Smoker	18	No	NA	No	NA
## 1429 Non-Smoker	NA	Yes	19	No	NA
## 1430 Non-Smoker	NA	Yes	19	No	NA
## 1431 Non-Smoker	NA	Yes	19	No	NA
## 1435 Non-Smoker	NA	No	NA	No	NA
## 1436 Non-Smoker	NA	Yes	13	No	NA
## 1438 Non-Smoker	NA	Yes	24	No	NA
## 1441 Smoker	14	Yes	13	Yes	13
## 1444 Non-Smoker	NA	Yes	16	No	NA
## 1445 Non-Smoker	NA	Yes	16	No	NA
## 1446 Non-Smoker	NA	Yes	23	No	NA
## 1448 Smoker	16	<NA>	NA	<NA>	NA
## 1449 Non-Smoker	NA	No	NA	No	NA
## 1450 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1451 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1452 Smoker	28	<NA>	NA	<NA>	NA
## 1453 Smoker	15	Yes	11	Yes	15
## 1454 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1455 Smoker	13	Yes	16	Yes	19
## 1457 Smoker	10	Yes	11	Yes	11
## 1458 Non-Smoker	NA	No	NA	No	NA
## 1459 Non-Smoker	NA	Yes	16	No	NA
## 1460 Non-Smoker	NA	Yes	16	No	NA
## 1462 Non-Smoker	NA	No	NA	No	NA
## 1463 Smoker	15	Yes	15	Yes	19
## 1464 Smoker	15	Yes	15	Yes	19
## 1465 Smoker	11	Yes	16	Yes	17
## 1466 Smoker	18	Yes	17	Yes	18
## 1472 Smoker	18	No	NA	No	NA
## 1473 Smoker	18	No	NA	No	NA
## 1475 Non-Smoker	NA	No	NA	No	NA
## 1476 Smoker	14	Yes	15	Yes	16
## 1477 Smoker	14	Yes	15	Yes	16
## 1478 Non-Smoker	NA	Yes	20	No	NA
## 1479 Non-Smoker	NA	Yes	20	No	NA
## 1480 Smoker	15	No	NA	No	NA
## 1484 Non-Smoker	NA	No	NA	No	NA
## 1485 Non-Smoker	NA	No	NA	No	NA
## 1488 Smoker	20	<NA>	NA	<NA>	NA
## 1489 Smoker	20	<NA>	NA	<NA>	NA
## 1490 Smoker	15	<NA>	NA	<NA>	NA
## 1491 Non-Smoker	NA	Yes	14	Yes	14
## 1492 Non-Smoker	NA	No	NA	No	NA
## 1494 Smoker	21	<NA>	NA	<NA>	NA
## 1495 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1496 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1497 Non-Smoker	NA	Yes	16	No	NA
## 1498 Smoker	20	<NA>	NA	<NA>	NA
## 1500 Smoker	14	<NA>	NA	<NA>	NA
## 1501 Non-Smoker	NA	No	NA	No	NA

## 1502 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1504 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1505 Smoker	15	Yes	16	Yes	16
## 1511 Smoker	22	<NA>	NA	<NA>	NA
## 1517 Non-Smoker	NA	No	NA	No	NA
## 1518 Smoker	36	Yes	13	Yes	15
## 1519 Smoker	36	Yes	13	Yes	15
## 1520 Smoker	36	Yes	13	Yes	15
## 1521 Smoker	36	Yes	13	Yes	15
## 1522 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1523 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1525 Smoker	16	<NA>	NA	<NA>	NA
## 1526 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1527 Non-Smoker	NA	No	NA	No	NA
## 1528 Smoker	13	Yes	11	Yes	13
## 1529 Smoker	18	No	NA	No	NA
## 1530 Smoker	18	No	NA	No	NA
## 1532 Smoker	20	<NA>	NA	<NA>	NA
## 1533 Non-Smoker	NA	No	NA	No	NA
## 1534 Non-Smoker	NA	No	NA	No	NA
## 1535 Non-Smoker	NA	No	NA	No	NA
## 1538 Non-Smoker	NA	No	NA	No	NA
## 1539 Non-Smoker	NA	No	NA	No	NA
## 1541 Non-Smoker	NA	Yes	15	Yes	16
## 1542 Non-Smoker	NA	Yes	15	Yes	16
## 1546 Smoker	16	<NA>	NA	<NA>	NA
## 1547 Smoker	25	Yes	19	Yes	20
## 1548 Smoker	25	Yes	19	Yes	20
## 1549 Non-Smoker	NA	No	NA	No	NA
## 1550 Smoker	15	<NA>	NA	<NA>	NA
## 1552 Smoker	20	<NA>	NA	<NA>	NA
## 1553 Smoker	20	<NA>	NA	<NA>	NA
## 1554 Smoker	20	<NA>	NA	<NA>	NA
## 1559 Smoker	18	Yes	9	Yes	16
## 1560 Smoker	18	<NA>	NA	<NA>	NA
## 1562 Smoker	25	<NA>	NA	<NA>	NA
## 1563 Non-Smoker	NA	No	NA	No	NA
## 1564 Smoker	20	Yes	13	Yes	16
## 1565 Smoker	20	Yes	13	Yes	16
## 1566 Smoker	20	Yes	13	Yes	16
## 1568 Smoker	25	No	NA	No	NA
## 1574 Smoker	15	<NA>	NA	<NA>	NA
## 1575 Non-Smoker	NA	No	NA	No	NA
## 1580 Smoker	18	<NA>	NA	<NA>	NA
## 1581 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1582 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1584 Non-Smoker	NA	Yes	19	No	NA
## 1585 Non-Smoker	NA	Yes	15	Yes	16
## 1587 Smoker	15	Yes	15	No	NA
## 1589 Smoker	18	No	NA	No	NA
## 1590 Smoker	15	Yes	28	No	NA
## 1591 Smoker	13	<NA>	NA	<NA>	NA
## 1592 Smoker	13	<NA>	NA	<NA>	NA
## 1593 Non-Smoker	NA	<NA>	NA	<NA>	NA

## 1594 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1595 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1597 Non-Smoker	NA	No	NA	No	NA
## 1598 Non-Smoker	NA	No	NA	No	NA
## 1599 Non-Smoker	NA	No	NA	No	NA
## 1601 Non-Smoker	NA	No	NA	No	NA
## 1604 Smoker	18	<NA>	NA	<NA>	NA
## 1605 Smoker	NA	<NA>	NA	<NA>	NA
## 1606 Non-Smoker	NA	No	NA	No	NA
## 1607 Non-Smoker	NA	No	NA	No	NA
## 1608 Non-Smoker	NA	No	NA	No	NA
## 1609 Smoker	18	<NA>	NA	<NA>	NA
## 1610 Smoker	18	<NA>	NA	<NA>	NA
## 1611 Smoker	18	<NA>	NA	<NA>	NA
## 1617 Smoker	NA	<NA>	NA	<NA>	NA
## 1620 Smoker	13	Yes	22	No	NA
## 1621 Non-Smoker	NA	Yes	18	No	NA
## 1625 Smoker	15	Yes	15	Yes	16
## 1626 Smoker	15	Yes	15	Yes	16
## 1627 Smoker	15	Yes	15	Yes	16
## 1628 Smoker	15	Yes	15	Yes	16
## 1629 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1630 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1631 Smoker	12	<NA>	NA	<NA>	NA
## 1632 Non-Smoker	NA	No	NA	No	NA
## 1633 Non-Smoker	NA	No	NA	No	NA
## 1634 Non-Smoker	NA	No	NA	No	NA
## 1639 Smoker	16	<NA>	NA	<NA>	NA
## 1640 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1641 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1644 Smoker	19	<NA>	NA	<NA>	NA
## 1645 Smoker	19	<NA>	NA	<NA>	NA
## 1646 Smoker	19	<NA>	NA	<NA>	NA
## 1647 Non-Smoker	NA	Yes	15	Yes	18
## 1648 Smoker	17	<NA>	NA	<NA>	NA
## 1650 Smoker	35	<NA>	NA	<NA>	NA
## 1651 Smoker	35	<NA>	NA	<NA>	NA
## 1652 Smoker	35	<NA>	NA	<NA>	NA
## 1653 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1654 Non-Smoker	NA	No	NA	No	NA
## 1655 Smoker	8	Yes	13	Yes	14
## 1656 Smoker	8	Yes	13	Yes	14
## 1660 Smoker	20	<NA>	NA	<NA>	NA
## 1661 Non-Smoker	NA	Yes	27	No	NA
## 1662 Smoker	15	Yes	14	No	NA
## 1663 Non-Smoker	NA	No	NA	No	NA
## 1664 Non-Smoker	NA	No	NA	No	NA
## 1676 Smoker	16	Yes	15	Yes	15
## 1677 Smoker	16	Yes	15	Yes	15
## 1678 Smoker	30	<NA>	NA	<NA>	NA
## 1679 Smoker	30	<NA>	NA	<NA>	NA
## 1681 Smoker	17	<NA>	NA	<NA>	NA
## 1683 Smoker	20	Yes	16	No	NA
## 1684 Smoker	20	Yes	16	No	NA

## 1685	Smoker	16	Yes	15	Yes	18
## 1688	Non-Smoker	NA	No	NA	No	NA
## 1689	Non-Smoker	NA	Yes	22	No	NA
## 1690	Smoker	16	Yes	24	No	NA
## 1693	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1694	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1695	Non-Smoker	NA	No	NA	No	NA
## 1699	Smoker	18	No	NA	No	NA
## 1701	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1702	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1703	Non-Smoker	NA	Yes	14	Yes	14
## 1704	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1705	Non-Smoker	NA	Yes	18	No	NA
## 1706	Non-Smoker	NA	Yes	18	No	NA
## 1707	Non-Smoker	NA	No	NA	No	NA
## 1708	Non-Smoker	NA	No	NA	No	NA
## 1709	Non-Smoker	NA	No	NA	No	NA
## 1710	Non-Smoker	NA	No	NA	No	NA
## 1711	Non-Smoker	NA	No	NA	No	NA
## 1712	Non-Smoker	NA	No	NA	No	NA
## 1713	Non-Smoker	NA	No	NA	No	NA
## 1714	Non-Smoker	NA	No	NA	No	NA
## 1716	Non-Smoker	NA	Yes	15	No	NA
## 1717	Smoker	11	Yes	12	Yes	15
## 1718	Smoker	11	Yes	12	Yes	15
## 1723	Smoker	18	<NA>	NA	<NA>	NA
## 1724	Non-Smoker	NA	Yes	18	No	NA
## 1725	Non-Smoker	NA	Yes	18	No	NA
## 1726	Non-Smoker	NA	No	NA	No	NA
## 1727	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1733	Non-Smoker	NA	Yes	13	Yes	13
## 1734	Non-Smoker	NA	Yes	13	Yes	13
## 1735	Smoker	15	Yes	14	Yes	15
## 1736	Smoker	15	Yes	14	Yes	15
## 1746	Non-Smoker	NA	No	NA	No	NA
## 1747	Smoker	15	Yes	19	Yes	19
## 1748	Smoker	15	Yes	19	Yes	19
## 1749	Smoker	16	<NA>	NA	<NA>	NA
## 1750	Smoker	14	<NA>	NA	<NA>	NA
## 1751	Non-Smoker	NA	No	NA	No	NA
## 1752	Non-Smoker	NA	No	NA	No	NA
## 1754	Smoker	17	Yes	17	No	NA
## 1755	Smoker	17	Yes	17	No	NA
## 1760	Smoker	21	No	NA	No	NA
## 1761	Smoker	21	No	NA	No	NA
## 1762	Smoker	21	No	NA	No	NA
## 1764	Non-Smoker	NA	No	NA	No	NA
## 1765	Smoker	25	<NA>	NA	<NA>	NA
## 1766	Smoker	16	No	NA	No	NA
## 1767	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1768	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1769	Smoker	15	No	NA	No	NA
## 1771	Smoker	12	No	NA	No	NA
## 1774	Smoker	17	<NA>	NA	<NA>	NA

## 1775 Non-Smoker	NA	Yes	20	No	NA
## 1776 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1778 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1780 Smoker	15	Yes	15	Yes	15
## 1781 Smoker	15	Yes	15	Yes	15
## 1782 Non-Smoker	NA	No	NA	No	NA
## 1783 Non-Smoker	NA	No	NA	No	NA
## 1785 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1786 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1787 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1788 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1789 Smoker	19	Yes	21	Yes	21
## 1790 Smoker	19	Yes	21	Yes	21
## 1791 Smoker	13	Yes	13	Yes	13
## 1792 Smoker	13	Yes	13	Yes	13
## 1793 Smoker	13	Yes	13	Yes	13
## 1794 Non-Smoker	NA	Yes	16	No	NA
## 1795 Non-Smoker	NA	Yes	16	No	NA
## 1796 Non-Smoker	NA	Yes	16	No	NA
## 1797 Non-Smoker	NA	Yes	16	No	NA
## 1798 Non-Smoker	NA	No	NA	No	NA
## 1799 Non-Smoker	NA	No	NA	No	NA
## 1800 Non-Smoker	NA	No	NA	No	NA
## 1802 Smoker	15	Yes	14	Yes	16
## 1803 Smoker	15	<NA>	NA	<NA>	NA
## 1804 Smoker	15	<NA>	NA	<NA>	NA
## 1806 Smoker	13	No	NA	No	NA
## 1807 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1809 Non-Smoker	NA	No	NA	No	NA
## 1810 Smoker	NA	Yes	19	No	NA
## 1811 Smoker	NA	Yes	19	No	NA
## 1812 Smoker	NA	Yes	19	No	NA
## 1814 Smoker	16	<NA>	NA	<NA>	NA
## 1815 Non-Smoker	NA	No	NA	No	NA
## 1817 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1818 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1820 Non-Smoker	NA	No	NA	No	NA
## 1821 Non-Smoker	NA	No	NA	No	NA
## 1822 Smoker	35	<NA>	NA	<NA>	NA
## 1826 Non-Smoker	NA	No	NA	No	NA
## 1827 Non-Smoker	NA	No	NA	No	NA
## 1828 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1830 Smoker	15	Yes	15	Yes	17
## 1831 Smoker	13	Yes	13	Yes	13
## 1833 Non-Smoker	NA	No	NA	No	NA
## 1834 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1835 Smoker	18	Yes	12	Yes	12
## 1836 Non-Smoker	NA	Yes	18	No	NA
## 1837 Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1838 Non-Smoker	NA	No	NA	No	NA
## 1839 Non-Smoker	NA	No	NA	No	NA
## 1841 Smoker	18	<NA>	NA	<NA>	NA
## 1842 Smoker	18	<NA>	NA	<NA>	NA
## 1846 Non-Smoker	NA	No	NA	No	NA

## 1849	Non-Smoker	NA	No	NA	No	NA
## 1852	Smoker	NA	Yes	20	No	NA
## 1853	Smoker	15	<NA>	NA	<NA>	NA
## 1854	Non-Smoker	NA	Yes	19	No	NA
## 1855	Non-Smoker	NA	No	NA	No	NA
## 1856	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1859	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1860	Smoker	20	No	NA	No	NA
## 1861	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1863	Non-Smoker	NA	No	NA	No	NA
## 1864	Non-Smoker	NA	No	NA	No	NA
## 1867	Smoker	21	Yes	27	No	NA
## 1870	Smoker	NA	No	NA	No	NA
## 1871	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1872	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1873	Non-Smoker	NA	No	NA	No	NA
## 1877	Non-Smoker	NA	No	NA	No	NA
## 1878	Smoker	17	Yes	19	No	NA
## 1885	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1887	Smoker	15	No	NA	No	NA
## 1888	Smoker	13	Yes	13	No	NA
## 1889	Smoker	17	No	NA	No	NA
## 1893	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1894	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1895	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1896	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1898	Non-Smoker	NA	No	NA	No	NA
## 1899	Non-Smoker	NA	No	NA	No	NA
## 1900	Non-Smoker	NA	No	NA	No	NA
## 1901	Smoker	14	Yes	15	Yes	16
## 1902	Smoker	14	Yes	15	Yes	16
## 1903	Smoker	14	Yes	15	Yes	16
## 1905	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1906	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1907	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1908	Smoker	17	<NA>	NA	<NA>	NA
## 1909	Smoker	19	Yes	16	No	NA
## 1910	Non-Smoker	NA	No	NA	No	NA
## 1911	Non-Smoker	NA	Yes	13	No	NA
## 1913	Smoker	14	Yes	16	Yes	17
## 1915	Non-Smoker	NA	No	NA	No	NA
## 1916	Non-Smoker	NA	No	NA	No	NA
## 1917	Non-Smoker	NA	No	NA	No	NA
## 1918	Smoker	16	Yes	16	No	NA
## 1919	Non-Smoker	NA	No	NA	No	NA
## 1920	Non-Smoker	NA	No	NA	No	NA
## 1921	Smoker	22	Yes	15	Yes	19
## 1923	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1924	Non-Smoker	NA	<NA>	NA	<NA>	NA
## 1925	Non-Smoker	NA	No	NA	No	NA
## 1932	Smoker	14	Yes	14	Yes	14
## 1933	Smoker	19	<NA>	NA	<NA>	NA
## 1934	Smoker	19	<NA>	NA	<NA>	NA
## 1935	Smoker	16	<NA>	NA	<NA>	NA

##	1936	Smoker	9	Yes	15	No	NA
##	1940	Smoker	17	No	NA	No	NA
##	1941	Smoker	16	<NA>	NA	<NA>	NA
##	1942	Smoker	16	<NA>	NA	<NA>	NA
##	1944	Smoker	18	No	NA	No	NA
##	1945	Non-Smoker	NA	<NA>	NA	<NA>	NA
##	1946	Non-Smoker	NA	<NA>	NA	<NA>	NA
##	1947	Smoker	23	<NA>	NA	<NA>	NA
##	1954	Non-Smoker	NA	No	NA	No	NA
##	1955	Smoker	14	<NA>	NA	<NA>	NA
##	1957	Non-Smoker	NA	<NA>	NA	<NA>	NA
##	1958	Smoker	16	<NA>	NA	<NA>	NA
##	1959	Non-Smoker	NA	<NA>	NA	<NA>	NA
##	1960	Smoker	10	Yes	12	Yes	12
##	1961	Smoker	10	Yes	12	Yes	12
##	1962	Smoker	10	Yes	12	Yes	12
##	1963	Smoker	10	Yes	12	Yes	12
##	1965	Smoker	18	Yes	19	Yes	23
##	1966	Non-Smoker	NA	<NA>	NA	<NA>	NA
##	1968	Non-Smoker	NA	<NA>	NA	<NA>	NA
##	1969	Non-Smoker	NA	<NA>	NA	<NA>	NA
##	1970	Non-Smoker	NA	<NA>	NA	<NA>	NA
##	1974	Non-Smoker	NA	<NA>	NA	<NA>	NA
##		HardDrugs	SexEver	SexAge	SexNumPartnLife	SexNumPartYear	SameSex
##	1	Yes	Yes	16	8	1	No
##	2	Yes	Yes	16	8	1	No
##	3	Yes	Yes	16	8	1	No
##	5	Yes	Yes	12	10	1	Yes
##	8	No	Yes	13	20	0	Yes
##	9	No	Yes	13	20	0	Yes
##	10	No	Yes	13	20	0	Yes
##	11	No	Yes	17	15	NA	No
##	12	Yes	Yes	22	7	1	No
##	13	Yes	Yes	12	100	1	No
##	15	<NA>	<NA>	NA	NA	NA	<NA>
##	16	No	Yes	NA	9	1	No
##	18	No	Yes	27	1	1	No
##	19	No	Yes	20	1	NA	No
##	21	No	Yes	20	2	1	No
##	22	No	Yes	20	2	1	No
##	23	No	Yes	18	5	1	No
##	24	No	Yes	14	20	2	No
##	25	No	Yes	14	20	2	No
##	26	No	Yes	23	1	1	No
##	28	Yes	Yes	17	20	3	No
##	29	No	Yes	15	12	1	No
##	30	No	Yes	15	12	1	No
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##	32	No	Yes	15	9	1	No
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##	37	No	Yes	20	8	1	Yes

## 45	Yes	Yes	21	1	1	No
## 46	No	Yes	16	10	1	No
## 47	No	Yes	24	1	1	No
## 48	No	Yes	17	15	1	No
## 49	Yes	Yes	15	6	1	No
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## 79	Yes	Yes	13	30	1	No
## 80	No	Yes	21	1	1	No
## 81	No	Yes	21	1	1	No
## 82	No	Yes	21	1	1	No
## 83	No	Yes	21	2	1	No
## 84	No	Yes	21	2	1	No
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## 108	No	Yes	28	1	1	No
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## 111	No	Yes	30	1	1	No
## 112	No	Yes	21	3	1	No
## 113	No	Yes	21	3	1	No
## 114	No	Yes	17	4	1	No
## 115	No	No	NA	0	0	No
## 116	No	Yes	18	1	NA	No
## 117	No	Yes	20	4	1	No

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## 133	No	Yes	15	8	1	No
## 134	No	Yes	15	10	1	No
## 135	No	Yes	15	10	1	No
## 136	No	Yes	16	5	1	No
## 139	No	Yes	16	6	1	No
## 140	No	Yes	16	6	1	No
## 141	No	Yes	14	3	1	No
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## 152	No	Yes	19	1	1	No
## 155	No	Yes	29	1	1	No
## 156	No	Yes	29	1	1	No
## 157	No	Yes	29	1	1	No
## 158	No	Yes	29	1	1	No
## 159	No	Yes	15	1	0	No
## 160	No	Yes	16	45	1	Yes
## 162	No	Yes	18	3	1	No
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## 164	No	Yes	23	1	NA	No
## 165	No	Yes	22	1	1	No
## 167	No	Yes	22	2	1	No
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## 321	No	Yes	15	7	1	No
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## 462	No	Yes	16	3	NA	No
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## 491	Yes	Yes	16	9	1	Yes
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## 497	No	Yes	17	3	NA	No
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## 549	Yes	Yes	16	4	1	No
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## 1944	No	Yes	30	1	0	No
## 1945	No	Yes	17	3	NA	No
## 1946	No	Yes	17	3	NA	No
## 1947	Yes	Yes	17	50	NA	No
## 1954	No	No	NA	0	0	No
## 1955	<NA>	<NA>	NA	NA	NA	<NA>
## 1957	<NA>	<NA>	NA	NA	NA	<NA>
## 1958	<NA>	<NA>	NA	NA	NA	<NA>
## 1959	<NA>	<NA>	NA	NA	NA	<NA>
## 1960	No	Yes	12	20	1	No
## 1961	No	Yes	12	20	1	No
## 1962	No	Yes	12	20	1	No
## 1963	No	Yes	12	20	1	No
## 1965	No	Yes	17	15	1	No
## 1966	<NA>	<NA>	NA	NA	NA	<NA>
## 1968	No	Yes	17	14	NA	No
## 1969	No	Yes	17	14	NA	No
## 1970	No	Yes	17	14	NA	No
## 1974	No	Yes	15	23	NA	No
##	SexOrientation PregnantNow					
## 1	Heterosexual		<NA>			
## 2	Heterosexual		<NA>			
## 3	Heterosexual		<NA>			
## 5	Heterosexual		<NA>			
## 8	Bisexual		<NA>			
## 9	Bisexual		<NA>			
## 10	Bisexual		<NA>			
## 11		<NA>	<NA>			
## 12	Heterosexual		<NA>			
## 13	Heterosexual		<NA>			

## 15	<NA>	<NA>
## 16	Heterosexual	<NA>
## 18	Heterosexual	<NA>
## 19	<NA>	<NA>
## 21	Heterosexual	<NA>
## 22	Heterosexual	<NA>
## 23	Heterosexual	<NA>
## 24	Heterosexual	<NA>
## 25	Heterosexual	<NA>
## 26	Heterosexual	<NA>
## 28	Heterosexual	<NA>
## 29	Heterosexual	<NA>
## 30	Heterosexual	<NA>
## 31	<NA>	<NA>
## 32	Heterosexual	No
## 33	<NA>	<NA>
## 34	<NA>	<NA>
## 35	Heterosexual	<NA>
## 36	Heterosexual	<NA>
## 37	Heterosexual	<NA>
## 45	Heterosexual	<NA>
## 46	Heterosexual	No
## 47	Heterosexual	No
## 48	Heterosexual	<NA>
## 49	Heterosexual	<NA>
## 54	Heterosexual	<NA>
## 55	Heterosexual	<NA>
## 56	<NA>	<NA>
## 58	<NA>	<NA>
## 59	<NA>	<NA>
## 60	<NA>	<NA>
## 63	Heterosexual	No
## 64	<NA>	Unknown
## 65	<NA>	Unknown
## 66	Heterosexual	No
## 67	Heterosexual	No
## 68	Heterosexual	No
## 72	Heterosexual	<NA>
## 73	Heterosexual	<NA>
## 75	<NA>	<NA>
## 76	Heterosexual	No
## 77	Heterosexual	No
## 78	Heterosexual	No
## 79	Heterosexual	<NA>
## 80	Heterosexual	<NA>
## 81	Heterosexual	<NA>
## 82	Heterosexual	<NA>
## 83	Heterosexual	<NA>
## 84	Heterosexual	<NA>
## 85	Heterosexual	<NA>
## 86	Heterosexual	<NA>
## 90	<NA>	<NA>
## 91	<NA>	<NA>
## 93	Bisexual	<NA>

## 94	Heterosexual	<NA>
## 95	<NA>	<NA>
## 96	<NA>	<NA>
## 97	Heterosexual	No
## 101	<NA>	<NA>
## 102	<NA>	<NA>
## 103	<NA>	<NA>
## 104	Heterosexual	No
## 105	Heterosexual	No
## 106	Heterosexual	No
## 107	Heterosexual	<NA>
## 108	Heterosexual	<NA>
## 109	Heterosexual	<NA>
## 111	Heterosexual	<NA>
## 112	Heterosexual	<NA>
## 113	Heterosexual	<NA>
## 114	Heterosexual	No
## 115	<NA>	<NA>
## 116	<NA>	<NA>
## 117	Heterosexual	No
## 118	Heterosexual	No
## 119	Heterosexual	No
## 120	Heterosexual	No
## 121	<NA>	<NA>
## 123	<NA>	<NA>
## 124	Heterosexual	<NA>
## 125	<NA>	<NA>
## 126	<NA>	<NA>
## 127	<NA>	<NA>
## 128	<NA>	<NA>
## 130	Heterosexual	No
## 131	Heterosexual	No
## 132	Heterosexual	No
## 133	Heterosexual	No
## 134	Heterosexual	<NA>
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## 136	Heterosexual	<NA>
## 139	Heterosexual	<NA>
## 140	Heterosexual	<NA>
## 141	Heterosexual	No
## 142	Heterosexual	<NA>
## 143	<NA>	<NA>
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## 145	Heterosexual	No
## 146	Heterosexual	No
## 147	<NA>	<NA>
## 148	<NA>	<NA>
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## 150	Heterosexual	<NA>
## 151	Heterosexual	<NA>
## 152	Heterosexual	<NA>
## 155	Heterosexual	<NA>
## 156	Heterosexual	<NA>
## 157	Heterosexual	<NA>

## 158	Heterosexual	<NA>
## 159	<NA>	<NA>
## 160	Heterosexual	Yes
## 162	Heterosexual	<NA>
## 163	Heterosexual	<NA>
## 164	<NA>	<NA>
## 165	Heterosexual	No
## 167	Heterosexual	<NA>
## 168	Heterosexual	<NA>
## 169	Heterosexual	<NA>
## 170	<NA>	<NA>
## 171	Heterosexual	<NA>
## 172	<NA>	<NA>
## 173	<NA>	<NA>
## 175	Heterosexual	<NA>
## 176	Heterosexual	<NA>
## 179	<NA>	<NA>
## 180	<NA>	<NA>
## 181	Heterosexual	<NA>
## 182	<NA>	No
## 183	<NA>	No
## 184	<NA>	<NA>
## 185	<NA>	<NA>
## 187	<NA>	No
## 188	<NA>	No
## 189	Heterosexual	<NA>
## 190	Heterosexual	<NA>
## 192	Heterosexual	<NA>
## 193	Heterosexual	<NA>
## 194	Heterosexual	No
## 195	Heterosexual	No
## 197	<NA>	<NA>
## 198	<NA>	<NA>
## 199	<NA>	<NA>
## 201	<NA>	<NA>
## 204	<NA>	<NA>
## 205	Heterosexual	No
## 206	Heterosexual	<NA>
## 207	<NA>	<NA>
## 209	Heterosexual	<NA>
## 211	<NA>	<NA>
## 212	<NA>	<NA>
## 213	<NA>	<NA>
## 214	Heterosexual	No
## 216	<NA>	<NA>
## 217	<NA>	<NA>
## 218	<NA>	<NA>
## 219	<NA>	<NA>
## 222	<NA>	<NA>
## 223	<NA>	<NA>
## 225	Heterosexual	<NA>
## 226	Heterosexual	<NA>
## 228	<NA>	<NA>
## 229	Heterosexual	<NA>

## 230	Heterosexual	<NA>
## 234	<NA>	<NA>
## 235	Bisexual	<NA>
## 236	<NA>	<NA>
## 237	<NA>	<NA>
## 239	Heterosexual	No
## 240	Heterosexual	No
## 241	Heterosexual	No
## 242	<NA>	<NA>
## 243	<NA>	<NA>
## 244	Bisexual	Yes
## 245	Bisexual	Yes
## 247	<NA>	<NA>
## 249	Heterosexual	No
## 250	<NA>	<NA>
## 251	<NA>	<NA>
## 252	<NA>	<NA>
## 253	<NA>	<NA>
## 254	Bisexual	No
## 255	Heterosexual	<NA>
## 256	Heterosexual	<NA>
## 257	<NA>	<NA>
## 258	Heterosexual	No
## 259	<NA>	<NA>
## 260	<NA>	<NA>
## 262	Heterosexual	<NA>
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## 272	Heterosexual	No
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## 280	<NA>	<NA>
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## 287	Heterosexual	<NA>
## 289	<NA>	<NA>
## 290	<NA>	<NA>
## 291	<NA>	<NA>
## 292	Heterosexual	No
## 293	Heterosexual	No
## 296	<NA>	<NA>
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## 298	Heterosexual	<NA>
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## 300	Heterosexual	<NA>
## 301	Heterosexual	<NA>
## 303	<NA>	<NA>
## 304	<NA>	<NA>
## 306	Heterosexual	No
## 307	Heterosexual	<NA>
## 308	Heterosexual	<NA>
## 309	<NA>	<NA>
## 310	<NA>	<NA>
## 311	Bisexual	<NA>
## 312	Heterosexual	<NA>
## 313	Heterosexual	<NA>
## 315	<NA>	<NA>
## 316	<NA>	<NA>
## 317	Heterosexual	<NA>
## 319	Heterosexual	<NA>
## 320	Heterosexual	<NA>
## 321	Heterosexual	<NA>
## 322	Heterosexual	<NA>
## 324	Heterosexual	<NA>
## 325	Heterosexual	No
## 326	<NA>	<NA>
## 327	Heterosexual	<NA>
## 328	Heterosexual	<NA>
## 332	Heterosexual	No
## 333	<NA>	<NA>
## 334	Bisexual	<NA>
## 335	Heterosexual	<NA>
## 336	Heterosexual	<NA>
## 337	Heterosexual	<NA>
## 342	Heterosexual	No
## 343	<NA>	<NA>
## 344	Heterosexual	No
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## 346	Heterosexual	<NA>
## 348	Heterosexual	<NA>
## 349	Heterosexual	No
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## 352	<NA>	<NA>
## 354	<NA>	<NA>
## 355	<NA>	<NA>
## 358	Heterosexual	<NA>
## 359	Heterosexual	<NA>
## 360	Heterosexual	<NA>
## 361	Heterosexual	No
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## 366	Heterosexual	No
## 367	<NA>	<NA>
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## 369	Heterosexual	No
## 370	<NA>	<NA>
## 371	<NA>	<NA>
## 374	<NA>	<NA>
## 375	<NA>	<NA>

## 376	<NA>	<NA>
## 377	<NA>	<NA>
## 378	<NA>	<NA>
## 380	Heterosexual	<NA>
## 381	Heterosexual	<NA>
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## 383	Heterosexual	<NA>
## 384	Heterosexual	<NA>
## 385	<NA>	<NA>
## 387	Heterosexual	Unknown
## 388	Heterosexual	Unknown
## 389	Heterosexual	<NA>
## 390	<NA>	<NA>
## 391	<NA>	<NA>
## 392	<NA>	<NA>
## 397	<NA>	<NA>
## 398	Heterosexual	No
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## 400	Heterosexual	No
## 401	<NA>	<NA>
## 404	<NA>	<NA>
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## 410	<NA>	<NA>
## 415	<NA>	<NA>
## 416	<NA>	<NA>
## 417	Heterosexual	<NA>
## 418	Heterosexual	<NA>
## 419	Heterosexual	<NA>
## 425	Heterosexual	No
## 428	<NA>	<NA>
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## 430	<NA>	<NA>
## 431	<NA>	<NA>
## 432	<NA>	<NA>
## 433	<NA>	<NA>
## 434	Heterosexual	<NA>
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## 437	Heterosexual	<NA>
## 438	Heterosexual	<NA>
## 439	Heterosexual	<NA>
## 440	<NA>	<NA>
## 441	Heterosexual	<NA>
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## 450	Heterosexual	<NA>
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## 454	Heterosexual	<NA>
## 455	Heterosexual	<NA>

## 458	Heterosexual	<NA>
## 459	Heterosexual	<NA>
## 460	Heterosexual	<NA>
## 462	<NA>	<NA>
## 463	<NA>	<NA>
## 464	<NA>	<NA>
## 466	Heterosexual	No
## 467	Homosexual	No
## 468	Heterosexual	<NA>
## 469	Heterosexual	No
## 470	<NA>	Unknown
## 471	Heterosexual	<NA>
## 472	Heterosexual	<NA>
## 473	Heterosexual	<NA>
## 474	<NA>	<NA>
## 475	<NA>	<NA>
## 477	<NA>	<NA>
## 478	Heterosexual	<NA>
## 479	Heterosexual	<NA>
## 480	Heterosexual	No
## 481	Heterosexual	No
## 482	<NA>	<NA>
## 483	<NA>	<NA>
## 484	<NA>	<NA>
## 485	<NA>	<NA>
## 487	<NA>	<NA>
## 488	<NA>	<NA>
## 489	Heterosexual	<NA>
## 490	Heterosexual	<NA>
## 491	Bisexual	No
## 492	Bisexual	No
## 494	Heterosexual	<NA>
## 495	Heterosexual	<NA>
## 497	<NA>	<NA>
## 498	<NA>	<NA>
## 499	Heterosexual	No
## 500	Heterosexual	<NA>
## 501	Heterosexual	<NA>
## 502	Heterosexual	<NA>
## 503	Heterosexual	<NA>
## 504	<NA>	<NA>
## 511	Heterosexual	<NA>
## 512	Heterosexual	<NA>
## 513	<NA>	<NA>
## 514	<NA>	<NA>
## 515	<NA>	<NA>
## 516	Bisexual	No
## 519	<NA>	<NA>
## 522	<NA>	<NA>
## 523	Heterosexual	No
## 524	<NA>	<NA>
## 525	<NA>	<NA>
## 526	<NA>	No
## 527	Heterosexual	<NA>

## 528	Heterosexual	No
## 529	<NA>	<NA>
## 531	Heterosexual	No
## 532	Heterosexual	No
## 534	Heterosexual	<NA>
## 538	Heterosexual	Yes
## 539	<NA>	<NA>
## 540	<NA>	<NA>
## 541	Homosexual	<NA>
## 542	<NA>	<NA>
## 543	<NA>	<NA>
## 544	Heterosexual	<NA>
## 545	<NA>	<NA>
## 546	<NA>	<NA>
## 547	Heterosexual	No
## 549	Heterosexual	<NA>
## 550	Heterosexual	<NA>
## 551	Heterosexual	<NA>
## 552	Homosexual	No
## 553	Heterosexual	No
## 556	<NA>	<NA>
## 557	Heterosexual	<NA>
## 558	Heterosexual	Yes
## 559	Heterosexual	Yes
## 560	Heterosexual	No
## 561	Bisexual	No
## 563	Heterosexual	<NA>
## 565	<NA>	<NA>
## 566	<NA>	<NA>
## 567	<NA>	<NA>
## 568	<NA>	<NA>
## 569	<NA>	<NA>
## 570	<NA>	<NA>
## 572	Heterosexual	<NA>
## 573	Heterosexual	<NA>
## 574	Bisexual	<NA>
## 576	<NA>	<NA>
## 580	<NA>	No
## 581	Heterosexual	No
## 582	<NA>	<NA>
## 585	Heterosexual	No
## 586	Heterosexual	No
## 587	Heterosexual	No
## 590	Heterosexual	<NA>
## 593	Heterosexual	No
## 594	<NA>	<NA>
## 595	<NA>	<NA>
## 596	<NA>	<NA>
## 597	<NA>	<NA>
## 598	<NA>	<NA>
## 599	<NA>	<NA>
## 600	Heterosexual	<NA>
## 601	Heterosexual	<NA>
## 602	Heterosexual	<NA>

## 603	Heterosexual	<NA>
## 604	<NA>	<NA>
## 605	Heterosexual	<NA>
## 606	Heterosexual	<NA>
## 608	<NA>	<NA>
## 609	<NA>	<NA>
## 610	<NA>	<NA>
## 612	<NA>	No
## 614	Heterosexual	<NA>
## 615	<NA>	No
## 616	Heterosexual	<NA>
## 617	Heterosexual	<NA>
## 620	Heterosexual	No
## 625	Heterosexual	<NA>
## 626	<NA>	<NA>
## 628	Heterosexual	No
## 629	Heterosexual	No
## 632	Heterosexual	Unknown
## 633	Heterosexual	Unknown
## 634	<NA>	<NA>
## 637	<NA>	<NA>
## 638	<NA>	<NA>
## 640	<NA>	<NA>
## 641	<NA>	<NA>
## 642	<NA>	<NA>
## 643	<NA>	<NA>
## 646	Heterosexual	<NA>
## 647	Heterosexual	<NA>
## 648	Heterosexual	<NA>
## 652	Heterosexual	No
## 653	<NA>	No
## 654	<NA>	No
## 655	<NA>	No
## 656	<NA>	<NA>
## 657	<NA>	<NA>
## 658	<NA>	<NA>
## 659	<NA>	No
## 660	<NA>	No
## 661	<NA>	No
## 662	<NA>	No
## 663	<NA>	<NA>
## 665	Heterosexual	<NA>
## 666	Heterosexual	<NA>
## 672	Heterosexual	<NA>
## 675	Heterosexual	<NA>
## 676	Heterosexual	<NA>
## 677	<NA>	<NA>
## 681	Heterosexual	<NA>
## 682	<NA>	<NA>
## 683	<NA>	<NA>
## 685	Heterosexual	No
## 686	Heterosexual	No
## 695	<NA>	<NA>
## 696	Heterosexual	<NA>

## 697	Heterosexual	<NA>
## 698	Heterosexual	<NA>
## 699	Heterosexual	<NA>
## 700	Heterosexual	<NA>
## 701	<NA>	<NA>
## 702	<NA>	<NA>
## 703	<NA>	<NA>
## 706	Heterosexual	No
## 707	Heterosexual	<NA>
## 710	<NA>	<NA>
## 712	Heterosexual	No
## 713	Heterosexual	No
## 714	Bisexual	<NA>
## 715	Heterosexual	<NA>
## 716	Heterosexual	<NA>
## 717	<NA>	<NA>
## 719	Heterosexual	<NA>
## 720	Heterosexual	<NA>
## 721	Heterosexual	<NA>
## 722	Heterosexual	<NA>
## 723	<NA>	<NA>
## 724	<NA>	<NA>
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## 726	Heterosexual	No
## 727	Heterosexual	No
## 728	<NA>	No
## 731	Heterosexual	<NA>
## 732	Heterosexual	<NA>
## 733	Heterosexual	No
## 734	Heterosexual	No
## 739	Heterosexual	<NA>
## 740	Heterosexual	<NA>
## 741	<NA>	<NA>
## 743	<NA>	<NA>
## 744	<NA>	<NA>
## 745	Heterosexual	<NA>
## 751	<NA>	No
## 752	Heterosexual	<NA>
## 753	Heterosexual	<NA>
## 756	<NA>	<NA>
## 757	<NA>	<NA>
## 760	<NA>	No
## 761	<NA>	<NA>
## 764	Heterosexual	No
## 766	<NA>	<NA>
## 767	Heterosexual	<NA>
## 769	Heterosexual	<NA>
## 772	Heterosexual	No
## 774	<NA>	<NA>
## 775	<NA>	<NA>
## 779	Heterosexual	<NA>
## 780	<NA>	<NA>
## 781	Heterosexual	<NA>
## 782	Heterosexual	<NA>

## 783	<NA>	<NA>
## 786	Heterosexual	<NA>
## 787	Heterosexual	<NA>
## 788	Heterosexual	No
## 791	<NA>	<NA>
## 792	Heterosexual	<NA>
## 793	Heterosexual	<NA>
## 797	<NA>	<NA>
## 798	Heterosexual	<NA>
## 799	Heterosexual	<NA>
## 800	<NA>	<NA>
## 801	<NA>	<NA>
## 802	Heterosexual	<NA>
## 808	Heterosexual	<NA>
## 809	<NA>	<NA>
## 813	Heterosexual	<NA>
## 814	Heterosexual	<NA>
## 815	Heterosexual	<NA>
## 816	Heterosexual	<NA>
## 818	Heterosexual	<NA>
## 819	Bisexual	No
## 821	Heterosexual	<NA>
## 822	Heterosexual	<NA>
## 823	Heterosexual	<NA>
## 827	Heterosexual	<NA>
## 828	<NA>	<NA>
## 832	Heterosexual	<NA>
## 833	Heterosexual	<NA>
## 834	Heterosexual	No
## 835	<NA>	<NA>
## 836	<NA>	<NA>
## 837	<NA>	<NA>
## 839	<NA>	<NA>
## 840	<NA>	<NA>
## 842	<NA>	<NA>
## 843	<NA>	<NA>
## 844	<NA>	<NA>
## 846	Heterosexual	No
## 847	Heterosexual	No
## 848	Heterosexual	No
## 849	Heterosexual	No
## 850	Heterosexual	No
## 851	<NA>	<NA>
## 852	Heterosexual	Yes
## 853	Heterosexual	Yes
## 854	<NA>	<NA>
## 855	<NA>	<NA>
## 856	<NA>	<NA>
## 857	<NA>	<NA>
## 858	<NA>	<NA>
## 861	Heterosexual	<NA>
## 863	Heterosexual	No
## 864	Heterosexual	<NA>
## 865	Heterosexual	<NA>

## 867	<NA>	<NA>
## 868	Bisexual	No
## 869	Heterosexual	<NA>
## 875	Heterosexual	<NA>
## 876	Heterosexual	<NA>
## 877	Heterosexual	<NA>
## 878	<NA>	<NA>
## 879	<NA>	<NA>
## 880	Heterosexual	<NA>
## 881	Heterosexual	<NA>
## 882	<NA>	<NA>
## 884	Heterosexual	<NA>
## 885	Heterosexual	<NA>
## 886	Heterosexual	<NA>
## 888	Heterosexual	<NA>
## 889	Heterosexual	<NA>
## 890	Heterosexual	<NA>
## 892	<NA>	<NA>
## 897	Heterosexual	Unknown
## 898	Heterosexual	Unknown
## 901	Heterosexual	<NA>
## 902	<NA>	<NA>
## 905	Bisexual	<NA>
## 906	Heterosexual	<NA>
## 907	Heterosexual	<NA>
## 908	<NA>	<NA>
## 909	<NA>	<NA>
## 910	Heterosexual	<NA>
## 911	Heterosexual	<NA>
## 913	Heterosexual	No
## 914	Heterosexual	No
## 915	Heterosexual	No
## 916	Heterosexual	No
## 917	<NA>	<NA>
## 918	Heterosexual	<NA>
## 919	Heterosexual	<NA>
## 921	Heterosexual	<NA>
## 922	Heterosexual	<NA>
## 924	Heterosexual	No
## 925	Heterosexual	No
## 928	Heterosexual	Yes
## 929	Heterosexual	<NA>
## 930	Heterosexual	<NA>
## 931	Heterosexual	<NA>
## 932	Heterosexual	<NA>
## 933	Heterosexual	<NA>
## 935	Heterosexual	No
## 936	Heterosexual	No
## 937	<NA>	<NA>
## 938	<NA>	<NA>
## 939	Heterosexual	No
## 940	Heterosexual	No
## 941	Heterosexual	No
## 942	Heterosexual	<NA>

## 943	Heterosexual	<NA>
## 944	Heterosexual	<NA>
## 945	Heterosexual	<NA>
## 946	Heterosexual	<NA>
## 947	Heterosexual	<NA>
## 953	Heterosexual	<NA>
## 954	Heterosexual	No
## 955	Heterosexual	No
## 957	Heterosexual	<NA>
## 958	Heterosexual	<NA>
## 959	Heterosexual	<NA>
## 960	Heterosexual	<NA>
## 961	Heterosexual	No
## 962	<NA>	<NA>
## 963	Heterosexual	No
## 965	<NA>	<NA>
## 966	<NA>	<NA>
## 967	Heterosexual	<NA>
## 968	Heterosexual	<NA>
## 969	Heterosexual	<NA>
## 970	<NA>	Yes
## 971	<NA>	<NA>
## 974	Heterosexual	<NA>
## 976	Heterosexual	<NA>
## 977	Heterosexual	<NA>
## 978	Heterosexual	<NA>
## 980	<NA>	<NA>
## 987	<NA>	<NA>
## 988	Heterosexual	<NA>
## 989	<NA>	No
## 991	Heterosexual	<NA>
## 993	<NA>	<NA>
## 994	<NA>	<NA>
## 996	Heterosexual	No
## 998	Heterosexual	<NA>
## 999	Heterosexual	<NA>
## 1000	Heterosexual	<NA>
## 1001	Heterosexual	<NA>
## 1002	Heterosexual	<NA>
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## 1009	Heterosexual	<NA>
## 1010	Heterosexual	<NA>
## 1011	Heterosexual	<NA>
## 1013	<NA>	No
## 1016	Heterosexual	No
## 1017	<NA>	<NA>
## 1018	<NA>	<NA>
## 1019	<NA>	<NA>
## 1020	<NA>	<NA>
## 1023	<NA>	<NA>
## 1024	<NA>	<NA>
## 1025	Heterosexual	<NA>

## 1026	Heterosexual	<NA>
## 1027	Heterosexual	No
## 1029	<NA>	<NA>
## 1030	Heterosexual	No
## 1031	Heterosexual	No
## 1032	Heterosexual	No
## 1033	Heterosexual	No
## 1034	Heterosexual	<NA>
## 1035	Heterosexual	<NA>
## 1036	Heterosexual	<NA>
## 1037	<NA>	<NA>
## 1038	<NA>	<NA>
## 1041	<NA>	<NA>
## 1042	Homosexual	No
## 1043	<NA>	<NA>
## 1044	<NA>	<NA>
## 1045	<NA>	<NA>
## 1046	Heterosexual	<NA>
## 1047	Heterosexual	<NA>
## 1048	Heterosexual	<NA>
## 1049	<NA>	<NA>
## 1050	Heterosexual	<NA>
## 1051	Heterosexual	<NA>
## 1052	Heterosexual	<NA>
## 1053	Heterosexual	<NA>
## 1056	Heterosexual	<NA>
## 1058	<NA>	<NA>
## 1059	<NA>	<NA>
## 1060	<NA>	<NA>
## 1063	Heterosexual	No
## 1064	Heterosexual	No
## 1065	Heterosexual	No
## 1068	<NA>	<NA>
## 1070	<NA>	<NA>
## 1072	<NA>	<NA>
## 1073	<NA>	No
## 1075	Heterosexual	<NA>
## 1076	<NA>	<NA>
## 1077	<NA>	<NA>
## 1078	<NA>	<NA>
## 1079	<NA>	<NA>
## 1082	<NA>	<NA>
## 1084	Heterosexual	<NA>
## 1085	Heterosexual	<NA>
## 1090	Heterosexual	No
## 1091	Heterosexual	No
## 1092	Heterosexual	<NA>
## 1099	<NA>	<NA>
## 1100	Heterosexual	No
## 1101	Heterosexual	No
## 1102	<NA>	<NA>
## 1103	Heterosexual	<NA>
## 1104	Heterosexual	<NA>
## 1105	Heterosexual	<NA>

## 1106	<NA>	<NA>
## 1107	<NA>	<NA>
## 1109	<NA>	Unknown
## 1110	<NA>	Unknown
## 1115	<NA>	No
## 1116	<NA>	No
## 1117	Heterosexual	No
## 1122	Heterosexual	<NA>
## 1124	Heterosexual	<NA>
## 1126	Heterosexual	<NA>
## 1127	Heterosexual	<NA>
## 1128	Heterosexual	<NA>
## 1129	Heterosexual	No
## 1130	Heterosexual	No
## 1131	Heterosexual	<NA>
## 1132	Heterosexual	<NA>
## 1133	Heterosexual	<NA>
## 1134	Heterosexual	<NA>
## 1135	<NA>	<NA>
## 1136	Heterosexual	No
## 1137	Heterosexual	<NA>
## 1138	Heterosexual	<NA>
## 1141	Heterosexual	<NA>
## 1145	Heterosexual	<NA>
## 1146	Heterosexual	<NA>
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## 1148	Heterosexual	<NA>
## 1149	Heterosexual	<NA>
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## 1151	<NA>	<NA>
## 1155	<NA>	<NA>
## 1157	<NA>	<NA>
## 1158	<NA>	<NA>
## 1162	Heterosexual	<NA>
## 1163	Heterosexual	<NA>
## 1164	Heterosexual	<NA>
## 1165	Heterosexual	<NA>
## 1166	Heterosexual	<NA>
## 1167	<NA>	<NA>
## 1170	<NA>	<NA>
## 1171	Heterosexual	<NA>
## 1172	<NA>	No
## 1173	Heterosexual	<NA>
## 1176	Heterosexual	<NA>
## 1177	Heterosexual	No
## 1178	Heterosexual	No
## 1180	<NA>	<NA>
## 1181	<NA>	<NA>
## 1182	<NA>	<NA>
## 1183	<NA>	<NA>
## 1184	<NA>	<NA>
## 1185	Heterosexual	<NA>
## 1187	<NA>	<NA>
## 1188	Heterosexual	Yes

## 1190	Heterosexual	<NA>
## 1191	Heterosexual	<NA>
## 1192	<NA>	<NA>
## 1193	<NA>	<NA>
## 1194	Heterosexual	<NA>
## 1195	<NA>	<NA>
## 1200	<NA>	<NA>
## 1201	<NA>	<NA>
## 1202	<NA>	<NA>
## 1203	Heterosexual	<NA>
## 1208	<NA>	<NA>
## 1211	Heterosexual	<NA>
## 1215	Heterosexual	<NA>
## 1216	Heterosexual	No
## 1217	Heterosexual	No
## 1218	Heterosexual	No
## 1219	Heterosexual	No
## 1220	Heterosexual	No
## 1221	Heterosexual	<NA>
## 1223	<NA>	<NA>
## 1224	<NA>	<NA>
## 1225	<NA>	<NA>
## 1226	<NA>	<NA>
## 1227	Heterosexual	<NA>
## 1229	<NA>	<NA>
## 1230	Heterosexual	No
## 1231	Heterosexual	No
## 1232	<NA>	<NA>
## 1233	<NA>	<NA>
## 1234	<NA>	<NA>
## 1236	Heterosexual	<NA>
## 1237	Heterosexual	<NA>
## 1238	Heterosexual	<NA>
## 1239	Heterosexual	<NA>
## 1240	Heterosexual	<NA>
## 1241	Heterosexual	<NA>
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## 1247	Heterosexual	<NA>
## 1248	Heterosexual	<NA>
## 1249	Heterosexual	<NA>
## 1250	Heterosexual	<NA>
## 1251	<NA>	<NA>
## 1252	<NA>	<NA>
## 1254	Heterosexual	No
## 1256	<NA>	<NA>
## 1259	Heterosexual	<NA>
## 1260	Heterosexual	<NA>
## 1261	Heterosexual	<NA>
## 1262	Heterosexual	<NA>
## 1265	<NA>	<NA>
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## 1268	<NA>	<NA>
## 1269	<NA>	<NA>

## 1270	<NA>	<NA>
## 1276	<NA>	No
## 1277	<NA>	No
## 1278	<NA>	No
## 1279	<NA>	<NA>
## 1282	Heterosexual	No
## 1283	<NA>	<NA>
## 1284	<NA>	<NA>
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## 1292	Heterosexual	<NA>
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## 1294	Heterosexual	<NA>
## 1295	Heterosexual	<NA>
## 1297	Heterosexual	<NA>
## 1301	Heterosexual	<NA>
## 1302	Heterosexual	No
## 1304	Heterosexual	<NA>
## 1305	Heterosexual	<NA>
## 1306	Heterosexual	<NA>
## 1308	Heterosexual	<NA>
## 1314	Heterosexual	<NA>
## 1319	Heterosexual	No
## 1322	<NA>	<NA>
## 1323	<NA>	<NA>
## 1326	Heterosexual	No
## 1328	Heterosexual	No
## 1330	<NA>	<NA>
## 1335	Heterosexual	<NA>
## 1340	Heterosexual	<NA>
## 1341	Heterosexual	<NA>
## 1342	Heterosexual	<NA>
## 1343	Heterosexual	<NA>
## 1344	Heterosexual	<NA>
## 1346	Heterosexual	<NA>
## 1350	<NA>	<NA>
## 1351	<NA>	<NA>
## 1352	<NA>	<NA>
## 1353	<NA>	<NA>
## 1354	<NA>	<NA>
## 1355	Heterosexual	<NA>
## 1356	Heterosexual	<NA>
## 1357	Heterosexual	<NA>
## 1358	Heterosexual	<NA>
## 1359	Heterosexual	No
## 1360	<NA>	<NA>
## 1361	Heterosexual	No
## 1362	Heterosexual	No
## 1363	Heterosexual	No
## 1364	<NA>	<NA>
## 1365	<NA>	<NA>
## 1366	<NA>	<NA>
## 1367	<NA>	<NA>
## 1368	<NA>	<NA>

## 1369	Heterosexual	<NA>
## 1370	Heterosexual	<NA>
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## 1373	Heterosexual	No
## 1374	<NA>	<NA>
## 1375	Heterosexual	<NA>
## 1376	Heterosexual	<NA>
## 1377	Heterosexual	No
## 1378	Heterosexual	No
## 1379	Heterosexual	<NA>
## 1380	Heterosexual	<NA>
## 1381	Heterosexual	<NA>
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## 1383	Heterosexual	<NA>
## 1384	Heterosexual	<NA>
## 1388	<NA>	<NA>
## 1389	<NA>	<NA>
## 1390	<NA>	<NA>
## 1391	Heterosexual	No
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## 1394	<NA>	<NA>
## 1395	<NA>	<NA>
## 1397	<NA>	<NA>
## 1398	<NA>	<NA>
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## 1401	Heterosexual	<NA>
## 1408	<NA>	<NA>
## 1409	<NA>	<NA>
## 1410	<NA>	<NA>
## 1411	<NA>	<NA>
## 1412	<NA>	No
## 1414	Heterosexual	<NA>
## 1415	Heterosexual	<NA>
## 1416	Heterosexual	<NA>
## 1417	Heterosexual	<NA>
## 1418	Heterosexual	<NA>
## 1422	<NA>	<NA>
## 1423	Heterosexual	No
## 1424	<NA>	<NA>
## 1425	<NA>	<NA>
## 1426	<NA>	<NA>
## 1427	<NA>	<NA>
## 1428	Heterosexual	<NA>
## 1429	Heterosexual	No
## 1430	Heterosexual	No
## 1431	Heterosexual	No
## 1435	Heterosexual	<NA>
## 1436	Heterosexual	<NA>
## 1438	Bisexual	No
## 1441	Heterosexual	No
## 1444	Heterosexual	<NA>
## 1445	Heterosexual	<NA>

## 1446	Heterosexual	No
## 1448	<NA>	<NA>
## 1449	Heterosexual	<NA>
## 1450	<NA>	<NA>
## 1451	<NA>	<NA>
## 1452	<NA>	<NA>
## 1453	Heterosexual	<NA>
## 1454	<NA>	<NA>
## 1455	Heterosexual	<NA>
## 1457	<NA>	No
## 1458	Heterosexual	No
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## 1460	Heterosexual	<NA>
## 1462	Heterosexual	<NA>
## 1463	Heterosexual	<NA>
## 1464	Heterosexual	<NA>
## 1465	Heterosexual	<NA>
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## 1472	Heterosexual	<NA>
## 1473	Heterosexual	<NA>
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## 1479	Heterosexual	<NA>
## 1480	Heterosexual	<NA>
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## 1491	Heterosexual	<NA>
## 1492	Heterosexual	<NA>
## 1494	<NA>	<NA>
## 1495	<NA>	No
## 1496	<NA>	No
## 1497	Heterosexual	No
## 1498	<NA>	<NA>
## 1500	<NA>	<NA>
## 1501	Heterosexual	<NA>
## 1502	<NA>	<NA>
## 1504	<NA>	<NA>
## 1505	Heterosexual	No
## 1511	<NA>	<NA>
## 1517	Heterosexual	<NA>
## 1518	Heterosexual	<NA>
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## 1520	Heterosexual	<NA>
## 1521	Heterosexual	<NA>
## 1522	<NA>	<NA>
## 1523	<NA>	<NA>
## 1525	<NA>	<NA>
## 1526	<NA>	<NA>
## 1527	Heterosexual	No

## 1528	Heterosexual	<NA>
## 1529	Heterosexual	<NA>
## 1530	Heterosexual	<NA>
## 1532	<NA>	<NA>
## 1533	Heterosexual	<NA>
## 1534	Heterosexual	<NA>
## 1535	Heterosexual	<NA>
## 1538	Heterosexual	Yes
## 1539	Heterosexual	Yes
## 1541	Heterosexual	<NA>
## 1542	Heterosexual	<NA>
## 1546	<NA>	<NA>
## 1547	Heterosexual	<NA>
## 1548	Heterosexual	<NA>
## 1549	Homosexual	<NA>
## 1550	<NA>	<NA>
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## 1580	<NA>	<NA>
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## 1590	Heterosexual	No
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## 1593	<NA>	No
## 1594	<NA>	No
## 1595	<NA>	No
## 1597	Heterosexual	No
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## 1599	Heterosexual	No
## 1601	Heterosexual	<NA>
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## 1605	<NA>	<NA>
## 1606	Heterosexual	<NA>
## 1607	Heterosexual	<NA>
## 1608	Heterosexual	<NA>
## 1609	<NA>	<NA>
## 1610	<NA>	<NA>
## 1611	<NA>	<NA>

## 1617	<NA>	<NA>
## 1620	Heterosexual	<NA>
## 1621	Heterosexual	<NA>
## 1625	Heterosexual	No
## 1626	Heterosexual	No
## 1627	Heterosexual	No
## 1628	Heterosexual	No
## 1629	<NA>	<NA>
## 1630	<NA>	<NA>
## 1631	<NA>	<NA>
## 1632	Heterosexual	<NA>
## 1633	Heterosexual	<NA>
## 1634	Heterosexual	<NA>
## 1639	<NA>	<NA>
## 1640	<NA>	<NA>
## 1641	<NA>	No
## 1644	<NA>	<NA>
## 1645	<NA>	<NA>
## 1646	<NA>	<NA>
## 1647	Heterosexual	<NA>
## 1648	<NA>	<NA>
## 1650	<NA>	<NA>
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## 1688	Heterosexual	<NA>
## 1689	Heterosexual	No
## 1690	Heterosexual	<NA>
## 1693	<NA>	<NA>
## 1694	<NA>	<NA>
## 1695	Heterosexual	No
## 1699	Heterosexual	No
## 1701	<NA>	<NA>
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## 1703	Heterosexual	<NA>
## 1704	<NA>	<NA>
## 1705	Heterosexual	No
## 1706	Heterosexual	No

## 1707	Heterosexual	<NA>
## 1708	Heterosexual	<NA>
## 1709	Heterosexual	<NA>
## 1710	Heterosexual	<NA>
## 1711	Heterosexual	No
## 1712	Heterosexual	No
## 1713	Heterosexual	No
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## 1723	<NA>	<NA>
## 1724	Heterosexual	No
## 1725	Heterosexual	No
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## 1747	Heterosexual	No
## 1748	Heterosexual	No
## 1749	<NA>	<NA>
## 1750	<NA>	<NA>
## 1751	Heterosexual	No
## 1752	Heterosexual	No
## 1754	Heterosexual	<NA>
## 1755	Heterosexual	<NA>
## 1760	Heterosexual	<NA>
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## 1762	Heterosexual	<NA>
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## 1765	<NA>	<NA>
## 1766	Heterosexual	<NA>
## 1767	<NA>	No
## 1768	<NA>	<NA>
## 1769	Heterosexual	<NA>
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## 1775	Heterosexual	<NA>
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## 1783	Heterosexual	<NA>
## 1785	<NA>	<NA>
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## 1792	Heterosexual	<NA>
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## 1795	Heterosexual	<NA>
## 1796	Heterosexual	<NA>
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## 1803	<NA>	<NA>
## 1804	<NA>	<NA>
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## 1807	<NA>	<NA>
## 1809	Heterosexual	<NA>
## 1810	Heterosexual	No
## 1811	Heterosexual	No
## 1812	Heterosexual	No
## 1814	<NA>	No
## 1815	Heterosexual	No
## 1817	<NA>	<NA>
## 1818	<NA>	<NA>
## 1820	Heterosexual	Yes
## 1821	Heterosexual	Yes
## 1822	<NA>	<NA>
## 1826	Heterosexual	<NA>
## 1827	Heterosexual	<NA>
## 1828	<NA>	<NA>
## 1830	Heterosexual	<NA>
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## 1834	<NA>	<NA>
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## 1839	Heterosexual	<NA>
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## 1842	<NA>	<NA>
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## 1849	Heterosexual	<NA>
## 1852	Heterosexual	<NA>
## 1853	<NA>	<NA>
## 1854	Heterosexual	<NA>
## 1855	Heterosexual	<NA>
## 1856	<NA>	Unknown
## 1859	<NA>	<NA>
## 1860	Heterosexual	<NA>
## 1861	<NA>	<NA>
## 1863	Heterosexual	<NA>
## 1864	Heterosexual	<NA>
## 1867	Heterosexual	<NA>
## 1870	Heterosexual	<NA>
## 1871	<NA>	<NA>

## 1872	<NA>	<NA>
## 1873	Heterosexual	<NA>
## 1877	Heterosexual	<NA>
## 1878	Heterosexual	<NA>
## 1885	<NA>	<NA>
## 1887	Heterosexual	No
## 1888	Heterosexual	<NA>
## 1889	Heterosexual	<NA>
## 1893	<NA>	<NA>
## 1894	<NA>	No
## 1895	<NA>	No
## 1896	<NA>	<NA>
## 1898	Heterosexual	No
## 1899	Heterosexual	No
## 1900	Heterosexual	No
## 1901	Heterosexual	<NA>
## 1902	Heterosexual	<NA>
## 1903	Heterosexual	<NA>
## 1905	<NA>	<NA>
## 1906	<NA>	<NA>
## 1907	<NA>	<NA>
## 1908	<NA>	<NA>
## 1909	Heterosexual	<NA>
## 1910	Heterosexual	No
## 1911	Heterosexual	<NA>
## 1913	Bisexual	<NA>
## 1915	Heterosexual	<NA>
## 1916	Heterosexual	<NA>
## 1917	Heterosexual	<NA>
## 1918	Heterosexual	<NA>
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## 1923	<NA>	<NA>
## 1924	<NA>	<NA>
## 1925	Heterosexual	<NA>
## 1932	Heterosexual	<NA>
## 1933	<NA>	<NA>
## 1934	<NA>	<NA>
## 1935	<NA>	<NA>
## 1936	Heterosexual	<NA>
## 1940	Heterosexual	No
## 1941	<NA>	<NA>
## 1942	<NA>	<NA>
## 1944	Heterosexual	<NA>
## 1945	<NA>	<NA>
## 1946	<NA>	<NA>
## 1947	<NA>	<NA>
## 1954	<NA>	<NA>
## 1955	<NA>	<NA>
## 1957	<NA>	<NA>
## 1958	<NA>	<NA>
## 1959	<NA>	<NA>
## 1960	Heterosexual	<NA>

```
## 1961 Heterosexual <NA>
## 1962 Heterosexual <NA>
## 1963 Heterosexual <NA>
## 1965 Heterosexual <NA>
## 1966 <NA> <NA>
## 1968 <NA> <NA>
## 1969 <NA> <NA>
## 1970 <NA> <NA>
## 1974 <NA> <NA>
## [ reached 'max' / getOption("max.print") -- omitted 5256 rows ]
```

```
#age adult education
summary(adult$Education)
```

```
##      8th Grade 9 - 11th Grade  High School  Some College  College Grad
##      435          814          1345          1951          2016
##      NA's
##      10
```

```
adult_edu = length(adult$Education)
```

```
#b) What proportion of Americans at least 25 years of age with a high school degree are college graduates?
col_grad <- 2016/adult_edu
col_grad
```

```
## [1] 0.3068026
```

```
highschool_grad <- 1345/adult_edu
print(paste(highschool_grad, " of Americans adults 25 years and over with high school degrees"))
```

```
## [1] "0.204687262212753 of Americans adults 25 years and over with high school degrees"
```

```
#b) What proportion of Americans at least 25 years of age with a high school degree are college graduates?
w_highschool_degree <- (2016)/(1345 + 1951 + 2016)
w_highschool_degree
```

```
## [1] 0.3795181
```

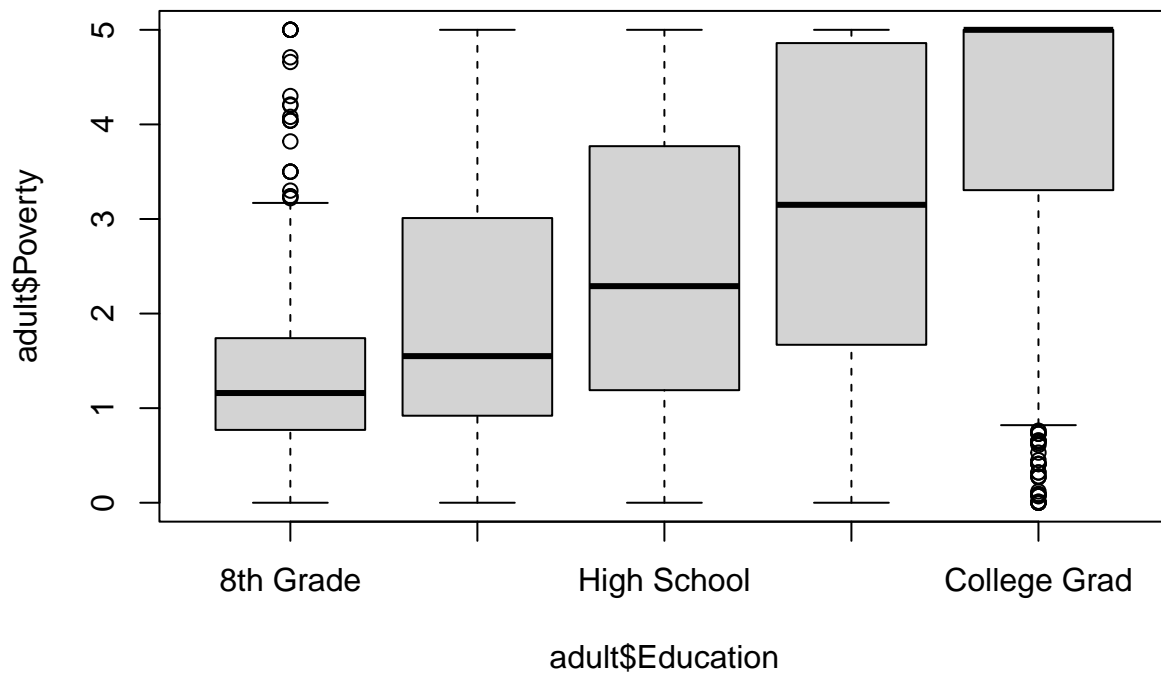
```
#### Question 3.
# a) Calculate the median and interquartile range of the distribution of the variable Poverty
summary(NHANES$Poverty)
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
##      0.000   1.240   2.700   2.802   4.710   5.000       726
```

```
print("The median is slightly lower than mean, meaning there are more values that are slightly higher than the mean")
```

```
## [1] "The median is slightly lower than mean, meaning there are more values that are slightly higher than the mean"
```

```
#b) Compare the distribution of \texttt{Poverty} across each group in \texttt{Education} among adults (
boxplot(adult$Poverty ~ adult$Education)
```



```
print("for adults 25 years and over, degree attainments is negatively correlated with degree of poverty")
```

```
## [1] "for adults 25 years and over, degree attainments is negatively correlated with degree of poverty"
```

```
#### Question 4.
```

```
# a) Construct a two-way table, with \texttt{PhysActive} as the row variable and \texttt{Diabetes} as t
addmargins(table(PhysActive=NHANES$PhysActive, Diabetes=NHANES$Diabetes))
```

```
##           Diabetes
## PhysActive  No  Yes  Sum
##         No 3203  472 3675
##         Yes 4361  285 4646
##         Sum 7564  757 8321
```

```
inactive_diabet = 472/3675
active_diabet = 285/4646
inactive_diabet
```

```
## [1] 0.1284354
```

```
active_diabet
```

```
## [1] 0.06134309
```

```
print(paste(inactive_diabet, " of inactive Americans adults 25 years are suffered from diabetes"))
```

```
## [1] "0.12843537414966 of inactive Americans adults 25 years are suffered from diabetes"
```

```
print(paste(active_diabet, " of active Americans adults 25 years are suffered from diabetes"))
```

```
## [1] "0.0613430908308222 of active Americans adults 25 years are suffered from diabetes"
```

```
#b) In this context, relative risk is the ratio of the proportion of participants who have diabetes among  
rela_risk = inactive_diabet/active_diabet  
rela_risk
```

```
## [1] 2.093722
```

```
###01_Intro_To_data_02_DDS
```

```
### Distributions of single variables
```

```
#1. Load the \texttt{dds.discr} dataset into *RStudio*. Descriptions of the variables are provided in the
```

```
data("dds.discr")
```

```
#2. Using appropriate numerical and graphical summaries, examine the distributions of each of the variables
```

```
dds.discr[1:5,]
```

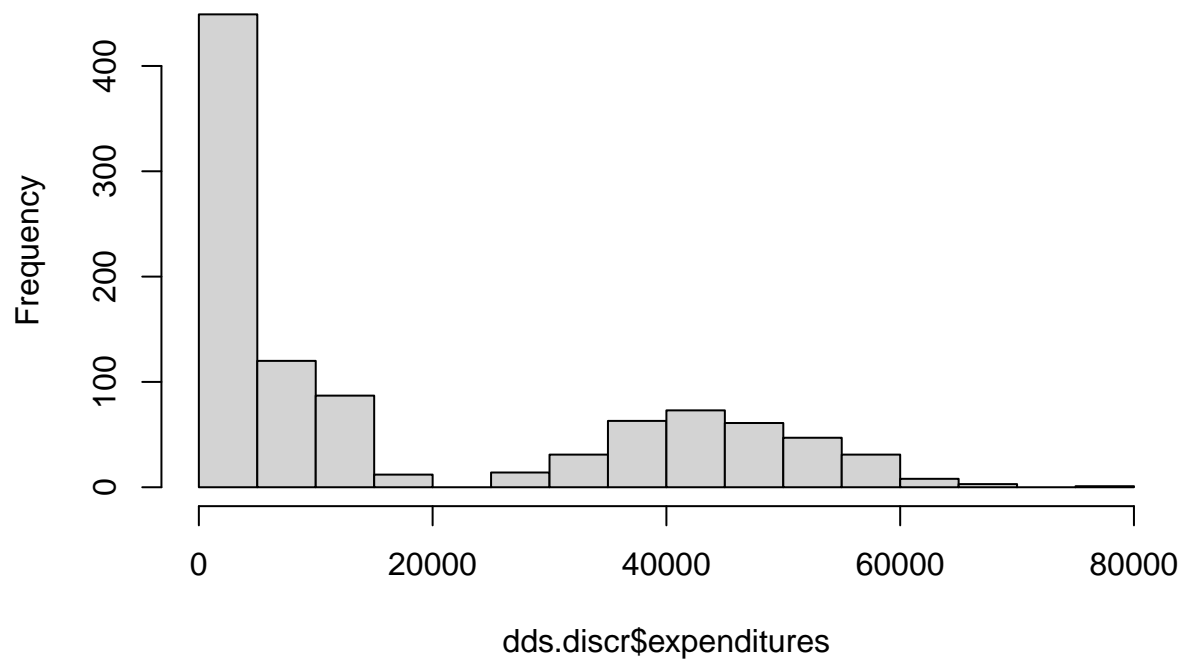
```
##      id age.cohort age gender expenditures ethnicity  
## 1 10210      13-17  17 Female          2113 White not Hispanic  
## 2 10409      22-50  37   Male          41924 White not Hispanic  
## 3 10486         0-5   3   Male          1454         Hispanic  
## 4 10538      18-21  19 Female          6400         Hispanic  
## 5 10568      13-17  13   Male          4412 White not Hispanic
```

```
summary(dds.discr$expenditures)
```

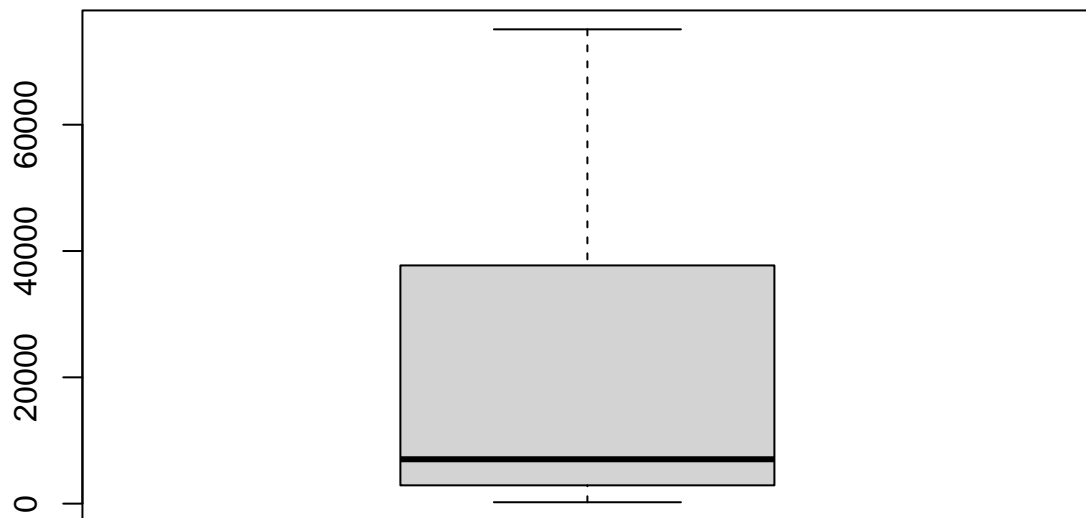
```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.  
##      222   2899    7026   18066   37713   75098
```

```
hist(dds.discr$expenditures)
```

Histogram of dds.discr\$expenditures



```
boxplot(dds.discr$expenditures)
```

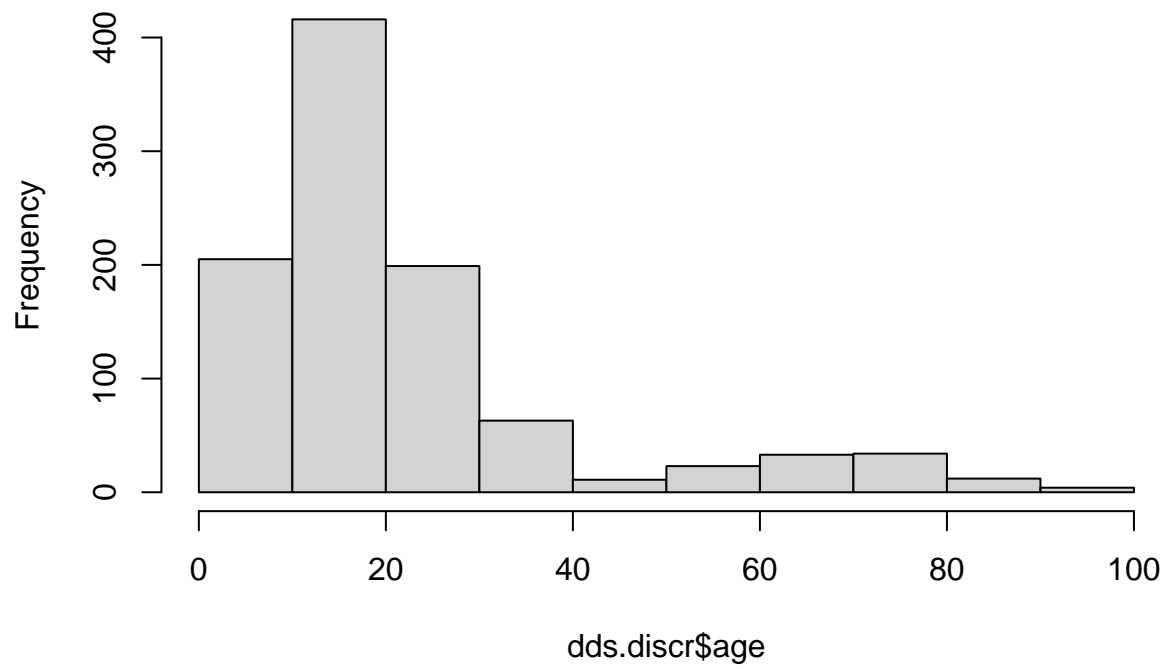


```
##a) Describe the distribution of annual expenditures. For most consumers, is the amount of financial support low?  
print("the financial support is low, hence most expenditure values are at the lower end.")
```

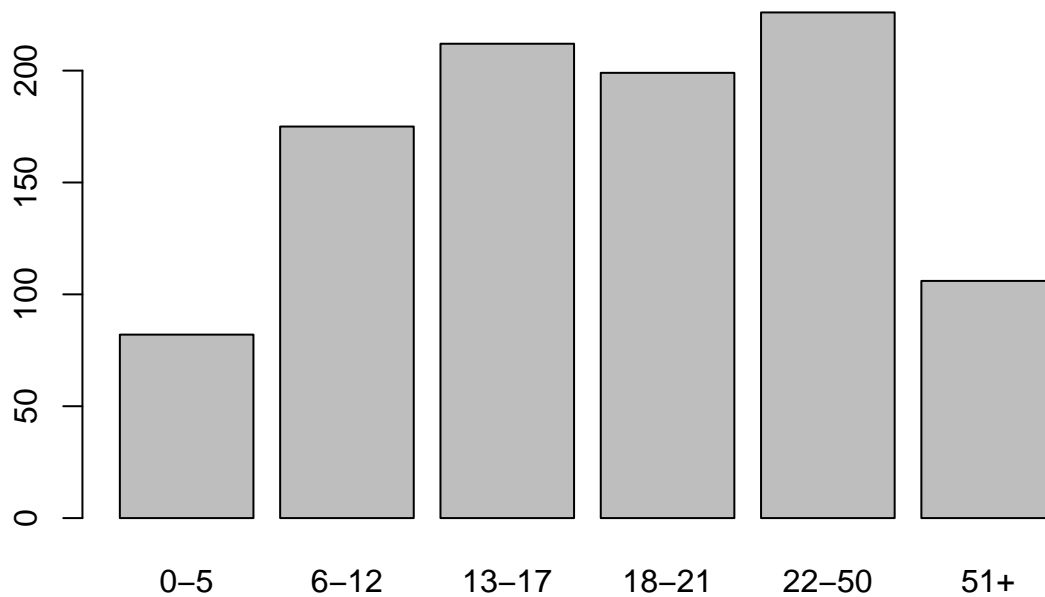
```
## [1] "the financial support is low, hence most expenditure values are at the lower end."
```

```
# b) The variable age directly records a consumer's age; in the age.cohort variable, the age is categorized into cohorts.  
hist(dds.discr$age)
```


Histogram of dds.discr\$age



```
plot(dds.discr$age.cohort)
```



```
summary(dds.discr$age)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      0.0   12.0   18.0   22.8   26.0   95.0
```

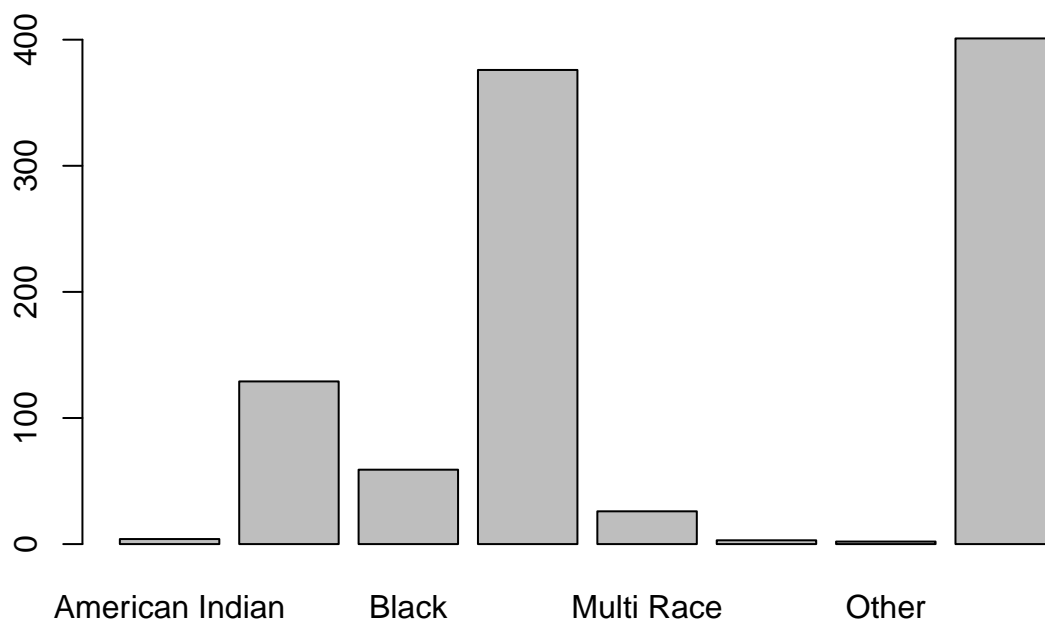
```
table(dds.discr$age.cohort)
```

```
##
##  0-5  6-12 13-17 18-21 22-50  51+
##   82  175  212  199  226  106
```

```
print("The consumer tend to be younger")
```

```
## [1] "The consumer tend to be younger"
```

```
#c) Is there an equal representation of ethnic groups in this sample of consumers?
plot(dds.discr$ethnicity)
```



```
summary(dds.discr$ethnicity)
```

```
##      American Indian      Asian      Black      Hispanic
##           4          129          59          376
##      Multi Race  Native Hawaiian      Other White not Hispanic
##           26           3           2           401
```

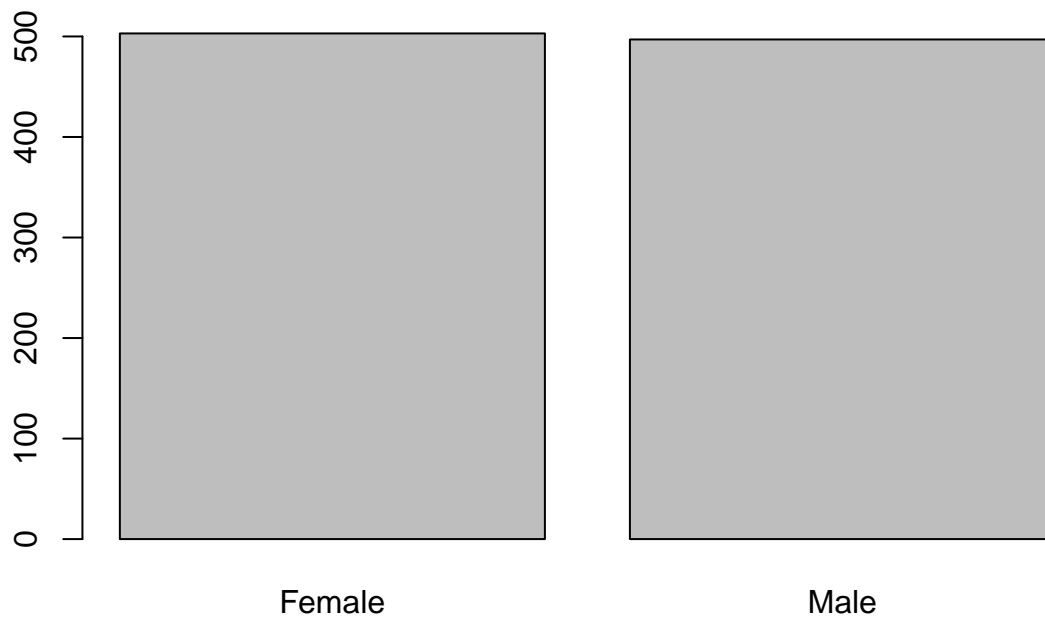
```
prop.table(table(dds.discr$ethnicity)) #converts a table of counts to proportions
```

```
##
##      American Indian      Asian      Black      Hispanic
##           0.004          0.129          0.059          0.376
##      Multi Race  Native Hawaiian      Other White not Hispanic
##           0.026          0.003          0.002          0.401
```

```
print("the representation of ethnic groups is not equal")
```

```
## [1] "the representation of ethnic groups is not equal"
```

```
#d) Does gender appear to be balanced in this sample of consumers?
plot(dds.discr$gender)
```



```
summary(dds.discr$gender)
```

```
## Female    Male  
##    503    497
```

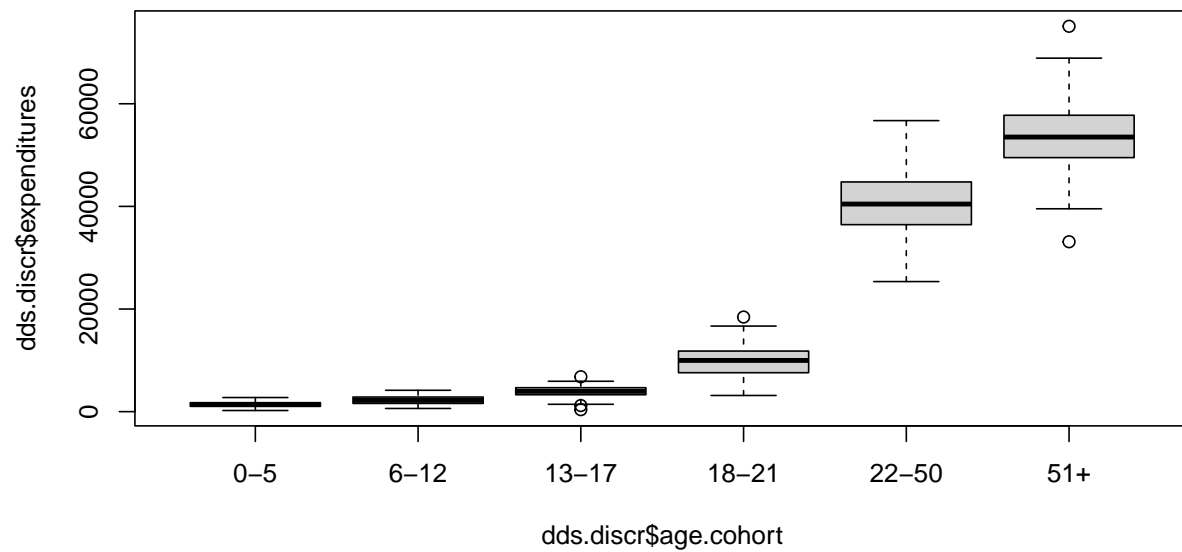
```
print("the gender appear to be balanced")
```

```
## [1] "the gender appear to be balanced"
```

```
### Relationships between two variables
```

```
#3. How do annual expenditures vary by age? Is there a large amount of variation in expenditures between
```

```
plot(dds.discr$expenditures ~ dds.discr$age.cohort)
```

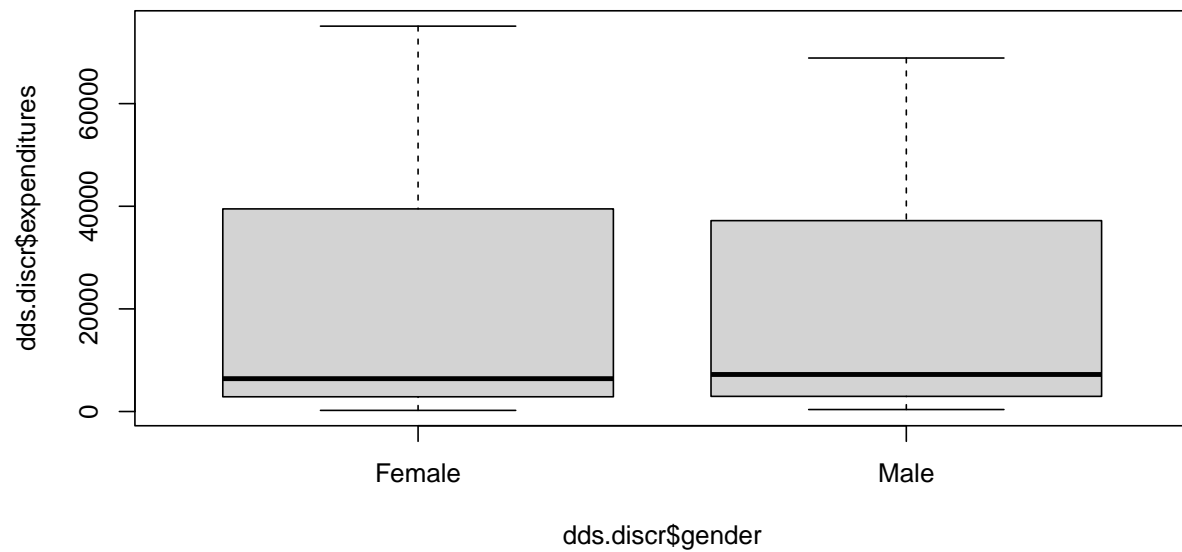


```
print("higher age have higher expenditure")
```

```
## [1] "higher age have higher expenditure"
```

```
#4. Do annual expenditures seem to vary by gender?
```

```
plot((dds.discr$expenditures ~ dds.discr$gender))
```

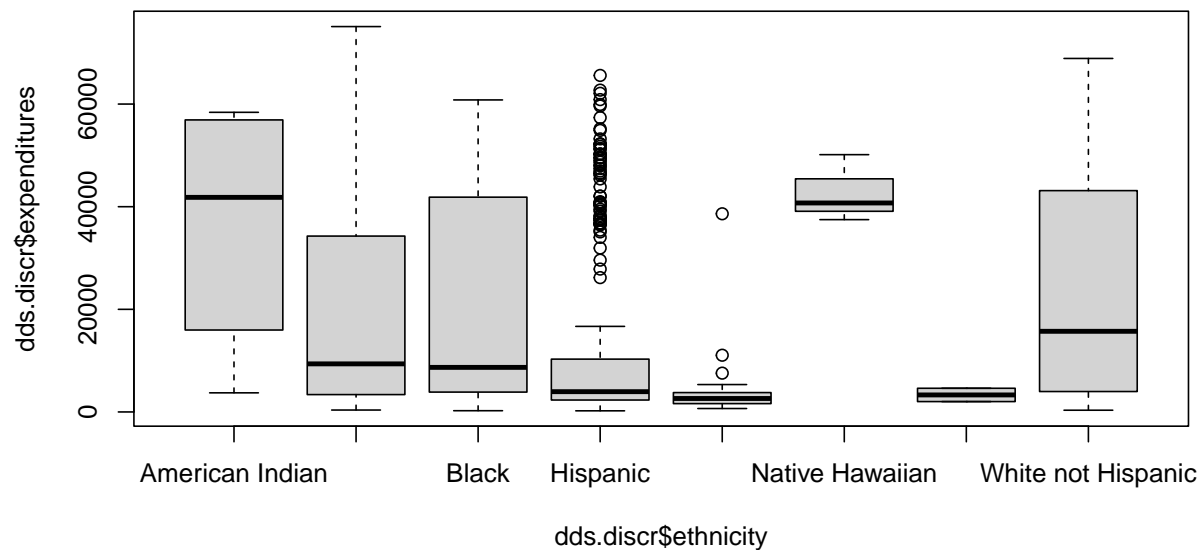


```
print("the annual expenditure does not vary much, but the major spending and overall range is higher in
```

```
## [1] "the annual expenditure does not vary much, but the major spending and overall range is higher in
```

```
#5. How does the distribution of expenditures vary by ethnic group? Does there seem to be a difference
```

```
plot((dds.discr$expenditures ~ dds.discr$ethnicity))
```

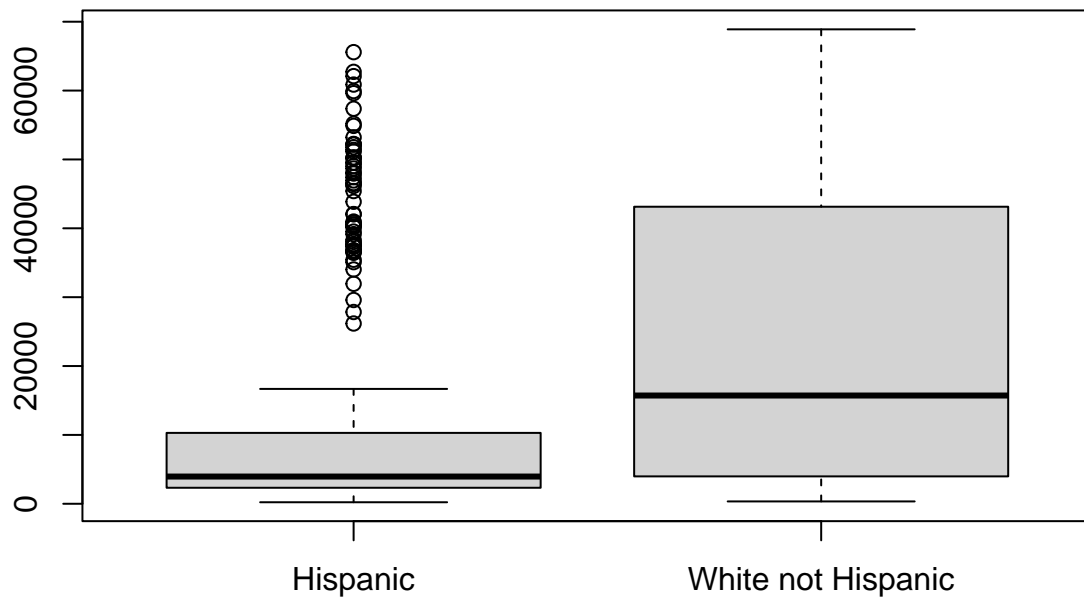


```
print("there are significant difference in amount received and expenditure between different ethnicities")
```

```
## [1] "there are significant difference in amount received and expenditure between different ethnicities"
```

```
#6. Compare the distribution of \texttt{expenditures} between Hispanic and White non-Hispanic consumers
```

```
boxplot(dds.discr$expenditures[dds.discr$ethnicity == "Hispanic"],  
        dds.discr$expenditures[dds.discr$ethnicity == "White not Hispanic"],  
        names = c("Hispanic", "White not Hispanic"))
```



```
summary(dds.discr$expenditures[dds.discr$ethnicity == "Hispanic"])
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      222   2331   3952   11066   10292   65581
```

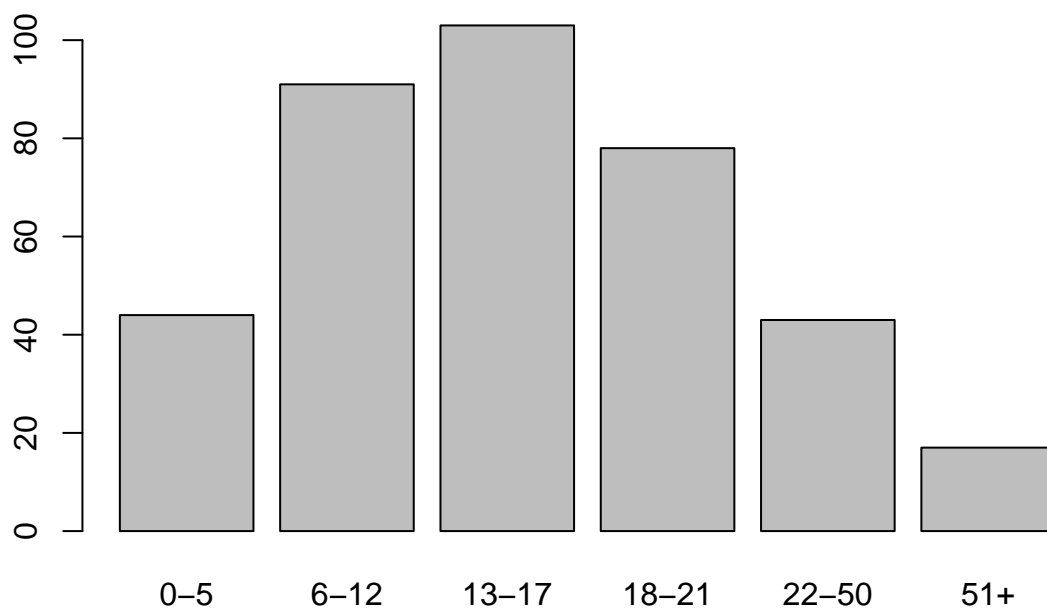
```
summary(dds.discr$expenditures[dds.discr$ethnicity == "White not Hispanic"])
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      340   3977   15718   24698   43134   68890
```

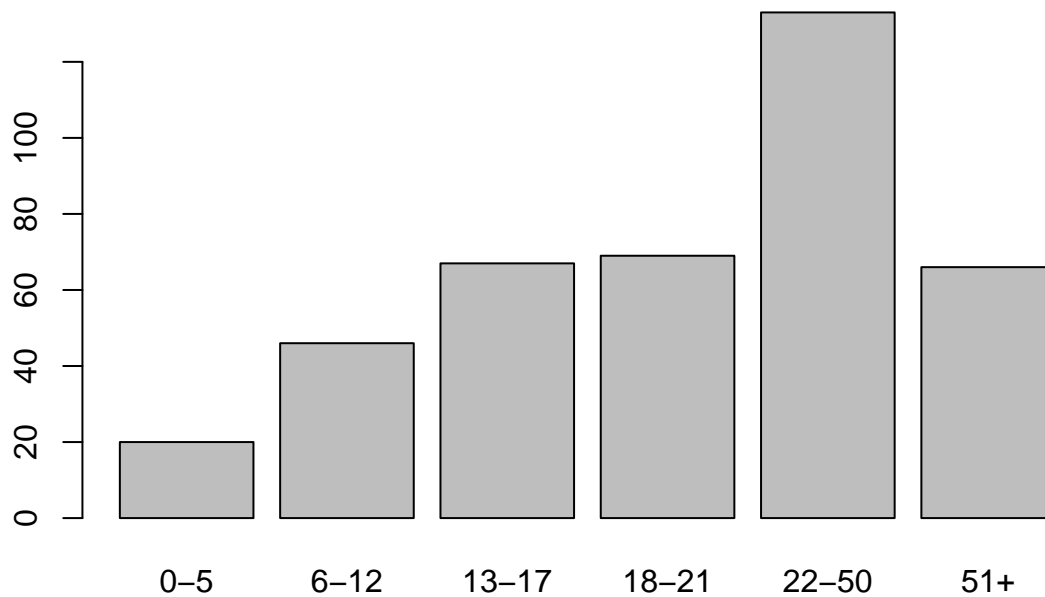
```
print("hispanic is receiving significantly less financial support than a white non-hispanic consumer")
```

```
## [1] "hispanic is receiving significantly less financial support than a white non-hispanic consumer")
```

```
#7. Recall that expenditures is strongly associated with age---older individuals tend to receive more f
plot(dds.discr$age.cohort[dds.discr$ethnicity == "Hispanic"])
```



```
plot(dds.discr$age.cohort[dds.discr$ethnicity == "White not Hispanic"])
```

```
summary(dds.discr$age.cohort[dds.discr$ethnicity == "Hispanic"])
```

```
##  0-5  6-12 13-17 18-21 22-50  51+
##   44   91  103   78   43   17
```

```
summary(dds.discr$age.cohort[dds.discr$ethnicity == "White not Hispanic"])
```

```
##  0-5  6-12 13-17 18-21 22-50  51+
##   20   46   67   69  133   66
```

```
print("hispanic population tend to receive more in earlier age but decrease in elder population, where :")
```

```
## [1] "hispanic population tend to receive more in earlier age but decrease in elder population, where :"
```

```
#8. For a closer look at the relationship between age, ethnicity, and expenditures, compare how average
```

```
his = dds.discr[dds.discr$ethnicity == "Hispanic", ]
white_nh = dds.discr[dds.discr$ethnicity == "White not Hispanic", ]
```

```
his_mean = tapply(his$expenditures, his$age.cohort, mean)
white_nh_mean = tapply(white_nh$expenditures, white_nh$age.cohort,
mean)
dif_w_nh_his <- white_nh_mean - his_mean
dif_w_nh_his
```

```
##           0-5           6-12           13-17           18-21           22-50           51+
## -26.30455 -259.92594 -50.92334 173.21182 -736.49222 -2914.57576
```

```
#9. Based on this exploratory analysis, does there seem to be evidence of ethnic discrimination in the
print(" there are significant difference between amount that received as hispanic population, and higher")
```

```
## [1] " there are significant difference between amount that received as hispanic population, and higher"
```

```
### Simpson's paradox
#10. Calculate the overall weighted average expenditures for Hispanics and for White non-Hispanics, using
```

```
his_weight = prop.table(table(dds.discr$age.cohort[dds.discr$ethnicity == "Hispanic"]))
his_weight
```

```
##
##           0-5           6-12           13-17           18-21           22-50           51+
## 0.11702128 0.24202128 0.27393617 0.20744681 0.11436170 0.04521277
```

```
his_weight_spend <- his_weight*his_mean
sum(his_weight_spend)
```

```
## [1] 11065.57
```

```
white_nh_weights = prop.table(table(dds.discr$age.cohort[dds.discr$ethnicity == "White not Hispanic"]))
white_nh_weights
```

```
##
##           0-5           6-12           13-17           18-21           22-50           51+
## 0.04987531 0.11471322 0.16708229 0.17206983 0.33167082 0.16458853
```

```
white_nh_weight_spend <- white_nh_weights*white_nh_mean
sum(white_nh_weight_spend)
```

```
## [1] 24697.55
```

```
print(" the hispanic tend to have less weight spend total than that of white_nonhispanic")
```

```
## [1] " the hispanic tend to have less weight spend total than that of white_nonhispanic"
```

```
### Identifying informative genes
#1. Run the following code to load \texttt{golub.train} and create \texttt{gene.matrix}, which contains
data(golub.train)
golub.train
```

```
## Samples BM.PB Gender Source tissue.mf cancer AFFX-BioB-5_at AFFX-BioB-M_at
## 39 39 BM F DFCI BM:f allB -1363.2764 -1058.5855
## 40 40 BM F DFCI BM:f allB -796.2851 -1167.1034
## 42 42 BM F DFCI BM:f allB -679.1392 -1069.8323
## 47 47 BM M DFCI BM:m allB -1164.4002 -1109.9399
```

## 48	48	BM	F	DFCI	BM:f	allB	-1299.6538	-1401.9985
## 49	49	BM	M	DFCI	BM:m	allB	-1251.6207	-1236.3443
## 41	41	BM	F	DFCI	BM:f	allB	-795.6817	-707.6601
## 43	43	BM	F	DFCI	BM:f	allB	-385.7686	-642.6219
## 44	44	BM	F	DFCI	BM:f	allB	-919.6874	-756.0598
## 45	45	BM	M	DFCI	BM:m	allB	-987.3752	-987.3752
## 46	46	BM	F	DFCI	BM:f	allB	-738.0445	-708.8000
## 70	70	PB	F	DFCI	PB:f	allB	-672.5032	-647.7905
## 72	72	PB	<NA>	DFCI	PB:NA	allB	-1105.0311	-1093.5055
## 68	68	PB	M	DFCI	PB:m	allB	-1319.7144	-1280.4416
##	AFFX-BioB-3_at	AFFX-BioC-5_at	AFFX-BioC-3_at	AFFX-BioDn-5_at	AFFX-BioDn-3_at			
## 39	-541.469194	74.34980	-1110.0826	-1545.6618	-2037.0296			
## 40	7.538493	83.54473	-1116.4325	-1731.3921	249.3765			
## 42	-690.301829	-112.07598	-1199.3192	-1286.3879	-605.4656			
## 47	-990.127218	-238.57499	-1264.6072	-1218.8605	-1255.8935			
## 48	-1077.543813	-437.34456	-1386.7557	-1726.4533	-1499.9882			
## 49	-1587.702224	-640.56347	-1860.4956	-2460.6412	854.3445			
## 41	-671.548715	-335.26111	-1181.6225	-1296.7277	-1032.6629			
## 43	-863.684082	-36.27976	-990.0054	-1375.2852	-1451.0780			
## 44	-201.544281	-192.45386	-660.6104	-1310.5754	-569.7063			
## 45	130.829434	-250.12204	-312.8670	-899.9804	-980.6525			
## 46	-515.336540	-213.89348	-873.0190	-1025.9901	-848.2736			
## 70	-521.980154	-259.12640	-791.5737	-1225.1701	-1047.6877			
## 72	-918.317060	-316.68301	-1277.9144	-1464.6284	-881.4353			
## 68	-876.804901	-590.98645	-1544.4419	-1579.3510	-676.0774			
##	AFFX-CreX-5_at	AFFX-CreX-3_at	AFFX-BioB-5_st	AFFX-BioB-M_st	AFFX-BioB-3_st			
## 39	-1255.9909	-335.4810	-938.42569	-526.4492	-1897.558			
## 40	-1636.9601	-149.0804	-222.78344	-119.1386	-2806.996			
## 42	-1043.0419	-728.2549	388.01124	-598.7680	-1882.474			
## 47	-1009.7329	-521.7686	-926.95326	-940.0237	-1334.316			
## 48	-1219.0845	-994.7970	-670.34225	-1023.1051	-2416.736			
## 49	-1382.5616	-634.0164	-662.38694	-843.5218	-2905.840			
## 41	-874.6755	-682.8335	-813.73743	-856.6197	-1456.972			
## 43	-981.5839	-693.1504	-1552.13501	-183.6546	-1244.753			
## 44	-933.3230	-924.2326	-549.25281	-815.1476	-1435.569			
## 45	-866.3671	-541.4379	-350.96213	-754.3225	-1408.663			
## 46	-751.5419	-612.0683	-702.05127	-544.5810	-1592.883			
## 70	-847.7391	-243.4001	169.97673	-366.9638	-1712.685			
## 72	-1065.8442	-660.1446	-17.01855	-1185.7100	-1515.341			
## 68	-1252.0780	-870.2594	931.92407	-1094.9869	-2275.352			
##	AFFX-BioC-5_st	AFFX-BioC-3_st	AFFX-BioDn-5_st	AFFX-BioDn-3_st	AFFX-CreX-5_st			
## 39	-1964.0754	-1363.2764	1.395636	-112.32704	-644.4633			
## 40	-2028.5074	-192.8416	-202.054466	-759.43354	-971.3297			
## 42	-781.8357	-949.2756	-699.231958	-900.15986	-1134.5757			
## 47	-1591.3690	-959.6294	-757.037108	-380.17179	-702.5768			
## 48	-2109.7018	-1297.4762	-1084.076458	-478.71798	-1234.3273			
## 49	-2670.1465	-1114.1328	29.417169	-31.68856	-1288.7206			
## 41	-1046.2047	-1028.1490	-969.467936	-330.74718	-906.2729			
## 43	-1238.4372	-855.2627	-263.658047	-777.36455	-990.0054			
## 44	-903.7791	-1119.6766	-821.965378	-440.16778	-321.9923			
## 45	-1522.9481	-987.3752	-516.788065	-644.51885	-512.3063			
## 46	-996.7456	-1007.9935	-785.285547	-501.83909	-596.3212			
## 70	-926.3705	-778.0941	-420.882557	-313.04512	-685.9829			
## 72	-2004.0245	-998.9960	-401.972132	-431.93858	-1017.4368			

## 68	-1461.5327	-1308.8053	-1149.532430	-130.62238	-1007.7141
##	AFFX-CreX-3_st	hum_alu_at	AFFX-DapX-5_at	AFFX-DapX-M_at	AFFX-DapX-3_at
## 39	-861.1801	97676.30	-507.1378	276.04662	-1026.3998
## 40	-1620.8376	47674.97	-547.5374	-280.36392	-787.0722
## 42	-1063.1347	57049.68	-636.7211	-571.97762	-755.0453
## 47	-1164.4002	89278.92	-452.0594	-247.28864	-1009.7329
## 48	-2100.9916	23361.08	-1060.1234	-607.19334	-1179.8886
## 49	-1928.1484	46832.04	-295.7526	-99.34133	-987.5567
## 41	-1019.1211	64775.89	-504.5334	-583.52713	-608.3537
## 43	-1425.8137	88702.31	-547.8809	10.03804	-621.5683
## 44	-801.5119	62872.33	-2421.8791	-1394.66178	-681.0639
## 45	-951.5209	47003.55	-2302.7782	-1209.22338	-689.3367
## 46	-769.5385	65050.78	-580.5742	-414.10566	-821.2787
## 70	-924.1239	66638.28	-526.4734	-575.89887	-798.3136
## 72	-1570.6636	53279.46	-733.9082	-540.27881	-934.4528
## 68	-1398.2599	41467.96	-754.6230	-457.89542	-992.4414
##	AFFX-LysX-5_at	AFFX-LysX-M_at	AFFX-LysX-3_at	AFFX-PheX-5_at	AFFX-PheX-M_at
## 39	-732.4375	-1017.8170	-638.02618	-912.6772	-633.7348
## 40	-526.8084	-409.3442	95.06083	-770.9496	-1134.8583
## 42	-645.6512	-761.7429	-618.86080	-844.3466	-996.1587
## 47	-665.5438	-1225.3957	-476.02193	-595.8346	-639.4028
## 48	-1079.7214	-1057.9459	-689.94018	-1275.7007	-1195.1314
## 49	-719.1280	-1282.1736	-788.96309	-1092.3094	-1142.5034
## 41	-752.7994	-888.2172	-597.06891	-849.8489	-964.9540
## 43	-501.5631	-762.6271	-324.71333	-743.6789	-1046.8499
## 44	-571.9789	-4451.3152	-6628.47052	-1058.3163	-1169.6739
## 45	-317.3488	-2056.2802	-3667.48081	-1034.4339	-967.2072
## 46	-607.5691	-920.2601	-834.77620	-897.7643	-537.8323
## 70	-373.7037	-984.7825	-665.76340	-728.6686	-708.4491
## 72	-773.0950	-798.4513	-542.58392	-964.4193	-1102.7260
## 68	-889.8958	-1079.7142	-610.62283	-972.8050	-1199.7143
##	AFFX-PheX-3_at	AFFX-ThrX-5_at	AFFX-ThrX-M_at	AFFX-ThrX-3_at	AFFX-TrpnX-5_at
## 39	-382.6866	-541.4692	-736.7289	-1062.8769	-386.9780
## 40	-708.7627	-540.6277	-715.6724	-1448.0961	-676.5176
## 42	-779.6031	-810.8586	-884.5321	-1295.3181	-614.3957
## 47	-600.1914	-685.1495	-412.8480	-595.8346	-617.6187
## 48	-1153.7580	-1112.3846	-1068.8336	-1521.7637	-949.0685
## 49	-455.0639	-884.9864	-898.0805	-1805.9370	-778.0514
## 41	-809.2235	-678.3196	-721.2019	-1032.6629	-795.6817
## 43	-592.0934	-486.8256	-722.6253	-1360.5477	-522.6167
## 44	-353.8088	-721.9708	-792.4215	-1153.7657	-703.7899
## 45	397.4955	-666.9278	-743.1181	-1155.4420	-687.0958
## 46	-227.3909	-767.2889	-686.3042	-886.5164	-663.8085
## 70	-587.1319	-685.9829	-780.3407	-951.0833	-575.8989
## 72	-943.6733	-890.6557	-874.5199	-1247.9480	-906.7915
## 68	-1014.2596	-809.1685	-1090.6233	-1284.8053	-872.4413
##	AFFX-TrpnX-M_at	AFFX-TrpnX-3_at	AFFX-HUMISGF3A/M97935_5_at		
## 39	-1824.604	-2103.5467	-1249.5538		
## 40	-2014.688	-1537.9217	-1556.3474		
## 42	-1487.316	-1060.9022	-1069.8323		
## 47	-1641.472	-1096.8694	-1051.1228		
## 48	-2543.034	-1813.5552	-1915.9000		
## 49	-8911.660	-1572.4258	-1474.2202		
## 41	-1247.074	-1082.3161	-1012.3502		

## 43	-1983.733	-1310.0192	-1350.0210
## 44	-7419.337	-4903.5635	-4508.1303
## 45	-7154.307	-4005.8554	-4093.2501
## 46	-1147.467	-929.2584	-920.2601
## 70	-1690.219	-996.0156	-924.1239
## 72	-1916.430	-1317.1013	-1409.3058
## 68	-2052.806	-1204.0779	-1238.9871
##	AFFX-HUMISGF3A/M97935_MA_at AFFX-HUMISGF3A/M97935_MB_at		
## 39	-1047.8569	-339.7724	
## 40	-1952.5012	-374.7959	
## 42	-1005.0889	-295.1436	
## 47	-521.7686	-192.8283	
## 48	-1968.1611	-898.9848	
## 49	-1253.8031	-507.4403	
## 41	-782.1399	-624.1525	
## 43	-1223.6997	-632.0951	
## 44	-4437.6795	-301.5389	
## 45	-3627.1448	-395.7800	
## 46	-310.6252	-222.8918	
## 70	-811.7933	-220.9340	
## 72	-1524.5613	-754.6542	
## 68	-3431.7164	-580.0773	
##	AFFX-HUMISGF3A/M97935_3_at AFFX-HUMRGE/M10098_5_at AFFX-HUMRGE/M10098_M_at		
## 39	-56.53856	-507.13782	-1140.1225
## 40	263.19584	-998.96835	-1296.0836
## 42	459.45227	-851.04415	-1489.5484
## 47	2558.50633	-674.25744	-1046.7659
## 48	398.83406	2147.40548	359.6382
## 49	729.95067	21804.87912	12462.2501
## 41	-283.35094	-421.02573	-536.1309
## 43	130.04325	79.51474	-697.3611
## 44	141.61904	-81.09623	-467.4390
## 45	195.81527	-826.03102	-1101.6606
## 46	98.79745	42.55807	-513.0870
## 70	93.59188	18273.18646	8990.1804
## 72	-70.03611	-731.60305	-1241.0326
## 68	530.46915	-913.89585	-1210.6234
##	AFFX-HUMRGE/M10098_3_at AFFX-HUMGAPDH/M33197_5_at AFFX-HUMGAPDH/M33197_M_at		
## 39	-1352.54787	12972.22	10526.11
## 40	-1450.39934	24177.52	22913.05
## 42	-1427.03747	33739.81	31297.42
## 47	-1142.61607	16269.43	20238.50
## 48	-228.29991	30862.74	22228.76
## 49	7613.07424	21333.49	21407.69
## 41	-901.75902	22299.83	38376.18
## 43	-950.00362	25726.94	33257.80
## 44	-10.64548	45798.25	47895.86
## 45	-541.43787	36989.00	32594.62
## 46	123.54278	43682.06	43043.19
## 70	14802.16896	25909.42	28681.75
## 72	-1305.57576	16856.40	18073.49
## 68	-1090.62328	46006.15	33054.86
##	AFFX-HUMGAPDH/M33197_3_at AFFX-HSAC07/X00351_5_at AFFX-HSAC07/X00351_M_at		
## 39	18778.51	41299.89	58952.65

## 40	48319.87	22106.93	29970.12	
## 42	38865.70	33570.14	45695.02	
## 47	34759.80	14304.51	26619.07	
## 48	36572.27	24321.38	31076.14	
## 49	40972.44	37223.16	51543.73	
## 41	48932.00	21692.71	39468.55	
## 43	40331.79	27453.33	34750.49	
## 44	48454.92	45707.34	56345.41	
## 45	38573.31	23545.90	33986.21	
## 46	48561.39	32960.59	44455.92	
## 70	43318.43	33426.59	45980.67	
## 72	26941.26	22404.80	36037.23	
## 68	42565.42	27901.40	41389.42	
##	AFFX-HSAC07/X00351_3_at	AFFX-HUMTFRR/M11507_5_at	AFFX-HUMTFRR/M11507_M_at	
## 39	51891.12	-309.73243	-588.6748	
## 40	40104.28	-93.80316	-614.3307	
## 42	44292.99	381.31364	162.5255	
## 47	39253.86	-81.72931	-417.2048	
## 48	32306.45	-544.04444	-1029.6377	
## 49	46456.67	105.79933	-1207.9738	
## 41	45463.05	-296.89272	-858.8767	
## 43	30059.76	858.49591	429.0036	
## 44	50082.11	-319.71973	-742.4242	
## 45	38387.32	-254.60382	-812.5857	
## 46	32130.50	-454.59801	-639.0632	
## 70	41593.03	-202.96107	-539.9531	
## 72	41463.46	-270.58079	-955.1988	
## 68	35302.14	-453.53178	-1081.8960	
##	AFFX-HUMTFRR/M11507_3_at	AFFX-M27830_5_at	AFFX-M27830_M_at	AFFX-M27830_3_at
## 39	-138.0756	13141.728523	58821.766	349.00078
## 40	-736.4014	-384.008793	4077.327	196.40248
## 42	1189.4903	-266.120705	5036.143	1106.88662
## 47	-164.5090	-264.715941	1218.783	68.58113
## 48	-533.1567	2230.152326	5444.214	1080.40673
## 49	-391.7759	26839.554474	29159.390	1087.85564
## 41	-472.9359	-21.543140	1070.827	-669.29175
## 43	1106.9277	662.697938	2306.980	875.33874
## 44	-424.2595	67906.147545	21745.000	-108.36749
## 45	-368.8893	33526.828016	26911.718	-142.55927
## 46	-263.3841	67990.972616	33921.158	-427.60311
## 70	-259.1264	39247.567947	39723.850	-128.82283
## 72	-300.5472	-5.492991	2223.550	928.07708
## 68	-665.1683	-65.167775	2546.471	-1609.89650
##	AFFX-HSAC07/X00351_3_st	AFFX-HUMGAPDH/M33197_5_st	AFFX-HUMGAPDH/M33197_M_st	
## 39	705.1888	-474.95216	-56.538555	
## 40	788.3298	-752.52389	-3.977603	
## 42	1595.8112	-440.25822	-710.394619	
## 47	1473.6570	-757.03711	-51.231541	
## 48	1635.6816	-940.35826	-809.705350	
## 49	8171.7552	-1242.89134	-692.939807	
## 41	3108.8656	-355.57378	-159.217932	
## 43	1795.3787	-36.27976	-305.765137	
## 44	2961.9215	-624.24876	112.075175	
## 45	655.1979	-449.56134	-274.771837	

## 46	1529.5272	-297.12776	-463.596314			
## 70	4721.6152	-265.86624	203.675932			
## 72	1322.2511	-634.78837	-438.853913			
## 68	1527.5610	-1380.80537	-885.532182			
##	AFFX-HUMGAPDH/M33197_3_st AFFX-HSAC07/X00351_5_st AFFX-HSAC07/X00351_M_st					
## 39	-779.64309	-1271.0109	-215.3212			
## 40	417.51153	-952.9040	924.2198			
## 42	-375.51478	-1246.2024	242.8966			
## 47	-452.05939	-922.5964	-643.7597			
## 48	-446.05475	-1245.2150	-726.9585			
## 49	-51.32968	-922.0863	1624.7131			
## 41	-242.72559	-858.8767	-168.2458			
## 43	-97.33504	-1082.6410	519.5338			
## 44	-178.81823	-1067.4067	-210.6347			
## 45	-420.42975	-1462.4441	-684.8549			
## 46	-366.86459	-803.2821	-292.6286			
## 70	354.19902	-564.6658	331.7329			
## 72	-263.66546	-1215.6764	-399.6670			
## 68	-911.71402	-1520.4419	-761.1684			
##	A28102_at AB000114_at AB000115_at AB000220_at AB000409_at AB000449_at					
## 39	-112.32704	-710.9803	-90.86993	-419.1637	-1187.3281	-309.73243
## 40	394.47934	-586.6921	-294.18324	-439.2861	-179.0223	-434.67962
## 42	-513.93178	-659.0464	-420.16543	-638.9536	-996.1587	-96.44826
## 47	-493.44923	-1096.8694	1863.59282	-558.8016	-802.7838	-14.19853
## 48	-450.40985	-955.6011	-737.84625	-916.4052	-1016.5725	797.32543
## 49	-494.34620	-544.5402	20.68778	-483.4345	-1465.4908	-278.29381
## 41	-66.68242	-554.1866	-378.14342	-540.6448	-373.6295	140.95825
## 43	601.64266	-213.1295	-253.13127	-501.5631	-284.7116	216.36278
## 44	112.07518	-510.6185	-90.18665	-208.3621	-312.9019	-22.00851
## 45	489.37199	-10.3467	742.59268	-115.6686	-207.5451	47.91647
## 46	-369.11416	-441.1006	-326.37224	-526.5844	-589.5725	-353.36714
## 70	10.46719	-555.6794	-65.91766	-438.8555	-488.2810	-465.81482
## 72	-667.05993	-899.8762	-448.07436	-743.1286	-761.5695	-588.68615
## 68	-534.25912	-942.2595	-763.35025	-998.9868	-763.3502	-226.62247
##	AB000450_at AB000460_at AB000462_at AB000464_at AB000466_at AB000467_at					
## 39	-39.37287	4891.471	-268.9639	1840.269784	-2528.397	-2524.106
## 40	339.20208	3925.315	-409.3442	1755.681964	-2982.040	-2438.480
## 42	-475.97873	1687.345	-480.4438	454.987205	-3588.129	-2297.725
## 47	-260.35912	2737.136	-114.4055	632.789904	-1617.510	-1438.880
## 48	-167.32855	3821.940	-480.8955	272.536244	-3294.288	-3461.959
## 49	-258.65268	5563.850	-470.3404	943.820712	-4926.694	-3735.132
## 41	-71.19634	5094.994	621.6915	-247.239520	-1382.492	-2418.439
## 43	-309.97585	1294.304	-198.3921	389.001852	-2651.130	-2914.299
## 44	-112.91270	1975.611	-265.1772	175.708108	-1483.293	-1810.548
## 45	238.39220	3026.061	-126.8730	289.932695	-1363.845	-2522.386
## 46	-470.34504	1153.848	-450.0989	-4.683003	-1930.319	-2692.925
## 70	-259.12640	2257.080	-575.8989	284.554010	-1959.813	-2222.666
## 72	-586.38104	2749.115	-623.2628	1230.046658	-1877.243	-2089.314
## 68	-573.53189	3183.563	-940.0777	211.923395	-2770.625	-1629.533
##	AB000468_at AB000584_at AB000895_at AB000896_at AB000897_at AB000905_at					
## 39	-856.88868	-2099.2552	-314.0239	-1333.2365	-794.6631	16.41561
## 40	-559.05346	-1194.7420	-2648.0734	-333.3380	-648.8790	-413.95064
## 42	-121.00611	-1431.5025	-1005.0889	-868.9044	-982.7636	-364.35212
## 47	1040.15299	-1238.4662	-1430.1665	-720.0041	-757.0371	-693.86315

## 48	2828.97816	-1931.1428	-2403.6708	-1145.0478	-1140.6927	-716.07077
## 49	-1063.93886	-1415.2968	-1415.2968	-2074.3657	-1231.9796	-289.20555
## 41	1075.34127	-515.8182	-1824.8572	-639.9512	-908.5299	-454.88019
## 43	-46.80653	-345.7669	-1598.4528	-914.2126	-657.3593	-183.65458
## 44	582.50436	-356.0814	-610.6131	-308.3567	-335.6280	-69.73321
## 45	9.82132	-1233.8732	-1563.2842	-236.6767	-447.3204	-256.84471
## 46	-614.31784	-578.3246	-927.0088	-785.2855	-468.0955	-337.62011
## 70	-490.52757	-369.2105	-1038.7012	-679.2431	-647.7905	-250.13995
## 72	1356.82778	-616.3475	-1049.7084	-1075.0646	-1137.3026	-501.09192
## 68	451.92362	-1319.7144	-1132.0779	-953.1686	-1164.8052	-844.07760
##	AB001106_at	AB001325_at	AB002314_at	AB002315_at	AB002318_at	AB002365_at
## 39	-391.26944	1550.5988	-758.1860	-221.75829	2016.2181	-185.2812
## 40	-70.77096	604.0723	-1061.1553	-614.33073	578.7369	673.1689
## 42	-145.56396	823.3550	-741.6501	-33.93735	1752.0884	-699.2320
## 47	-242.93182	1223.1396	-617.6187	-210.25563	1112.0406	-780.9996
## 48	862.65188	882.2498	-1319.2517	-395.97114	2580.7376	-1033.9928
## 49	-112.43541	3320.3970	-697.3045	-596.91652	4448.6706	-385.2288
## 41	-73.45331	416.3078	-328.4902	-542.90178	269.6052	-648.9791
## 43	-183.65458	1323.7793	-411.0329	-177.33851	677.4354	-432.0864
## 44	105.25736	1046.1157	-353.8088	-28.82632	739.3141	-651.5200
## 45	-140.31838	1181.8073	-375.6119	-97.74145	236.1513	-478.6929
## 46	-339.86969	532.9654	-461.3467	-447.84929	987.3796	-652.5606
## 70	-351.23755	457.5432	-432.1156	-317.53835	1106.8145	-472.5547
## 72	1241.57221	953.4333	-948.2835	-252.13990	1854.7318	-835.3331
## 68	-265.89524	61.3778	-715.3502	-296.44072	1651.9247	-944.4413
##	AB002366_at	AB002380_at	AB002382_at	AB002409_at	AB002559_at	AB003102_at
## 39	-629.4433	-537.1778	1016.3168	-211.0297	1975.4496	359.72934
## 40	-1208.5613	-632.7565	795.2395	-354.0669	1891.5719	640.92381
## 42	-654.5813	-395.6076	-335.3292	-1110.0179	1622.6016	1209.58310
## 47	-550.0879	-338.7820	118.6846	-412.8480	833.2038	306.02807
## 48	-933.8256	-940.3583	252.9383	-1240.8599	525.1319	1733.67127
## 49	-819.5160	-448.5169	845.6151	-1207.9738	2056.8179	943.82071
## 41	-615.1246	-551.9296	253.8064	-470.6789	1716.3190	732.28277
## 43	-621.5683	-101.5457	-269.9741	-701.5718	3111.2252	580.58911
## 44	-958.3217	-215.1799	-451.5308	-912.8696	2411.9512	-15.19069
## 45	-1052.3610	-501.1018	-153.7637	-613.1464	1067.5219	415.42259
## 46	-722.2974	-645.8119	218.0249	-420.8544	1243.8312	173.03343
## 70	-555.6794	-380.4435	-191.7280	-771.3542	1859.4299	-178.24832
## 72	-740.8235	-625.5679	-201.4275	-773.0950	787.4653	658.37906
## 68	-998.9868	-800.4412	-278.9862	-811.3503	1457.7427	988.65140
##	AB003103_at	AB003177_at	AB003698_at	AB004884_at	AB006190_at	AC000061_cds2_at
## 39	-526.44922	37.87272	-382.68660	430.5378	385.4779	-453.49505
## 40	-165.20296	1792.53347	-192.84159	751.4783	1382.5604	1384.86365
## 42	-636.72106	1252.00121	-306.30629	1200.6530	443.8245	-243.79538
## 47	-434.63210	109.97097	-288.67848	1007.4768	545.6534	-123.11914
## 48	-47.56338	1202.34944	518.59922	2587.2703	838.6988	-692.11773
## 49	-494.34620	943.82071	-84.06489	1550.5133	1375.9255	1103.13207
## 41	-317.20540	1034.71592	16.82524	763.8803	296.6888	-217.89899
## 43	-371.03113	1035.34569	-147.86355	631.1176	1056.3992	-46.80653
## 44	-406.07871	484.78235	-62.91539	218.8876	202.9794	-74.27841
## 45	-427.15243	1334.18790	-236.67669	1515.7001	527.4671	-84.29610
## 46	-634.56402	92.04872	-472.59461	728.6785	274.2643	-168.90198
## 70	-526.47338	262.08788	-355.73077	837.2209	262.0879	48.65962
## 72	-685.50082	868.14419	-713.16216	434.7833	547.7337	418.64749

## 68	-588.80463	1590.83378	-398.98627	995.1969	144.2870	-710.98656
##	AC000061_cds3_at	AC000062_at	AC000064_cds1_at	AC000064_cds2_at	AC000066_at	
## 39	-779.6431	-659.4833	-144.51270	-391.26944	-788.2259	
## 40	-773.2529	-526.8084	859.72964	62.81576	-793.9818	
## 42	-962.6708	-788.5332	-163.42422	-540.72217	-770.6730	
## 47	-944.3806	-693.8632	-90.44296	-447.70257	-752.6803	
## 48	-1341.0272	-1051.4132	-141.19797	-541.86689	-1101.4968	
## 49	-994.1037	-799.8748	457.15725	-245.55860	-865.3452	
## 41	-777.6260	-624.1525	-346.54593	-278.83701	-820.5083	
## 43	-693.1504	-526.8274	35.30229	-51.01724	-507.8792	
## 44	-674.2461	-737.8790	-258.35940	-496.98290	-510.6185	
## 45	-776.7314	-749.8407	-283.73540	-207.54511	-696.0593	
## 46	-798.7830	-580.5742	-198.14646	-596.32124	-580.5742	
## 70	-710.6957	-533.2132	-268.11285	-488.28095	-679.2431	
## 72	-920.6222	-823.8075	-459.59991	-510.31236	-796.1462	
## 68	-1238.9871	-985.8959	11.19593	-686.98654	-1068.8051	
##	AC000099_at	AC000115_cds1_at	AC002045_xpt1_at	AC002073_cds1_at	AC002077_at	
## 39	-71.558531	-726.0003	-459.93218	-283.983899	-670.2118	
## 40	7.538493	-1109.5229	-98.40960	-692.640183	-729.4917	
## 42	-364.352123	-846.5791	-359.88706	-232.632722	-1087.6926	
## 47	-580.585716	-1127.3672	-68.65884	-9.841708	-110.0487	
## 48	-611.548438	-1397.6434	-456.94250	-600.660696	-1754.7614	
## 49	33.781863	-775.8690	-199.72930	-81.882547	-917.7216	
## 41	-299.149688	-1131.9693	-445.85233	-827.279217	-1258.3593	
## 43	-400.506090	-1091.0624	-436.29712	-61.544014	-1208.9622	
## 44	-349.263590	-1287.8494	-531.07197	-467.439037	-1258.3055	
## 45	-321.830548	-1354.8813	592.45298	-599.701032	-1762.7235	
## 46	-391.609912	-731.2957	-450.09886	-191.397732	-927.0088	
## 70	-268.112854	-915.1375	-420.88256	-836.506012	-881.4383	
## 72	-625.567927	-789.2308	-551.80437	473.970156	-1370.1189	
## 68	-682.622900	-789.5321	-621.53193	-774.259350	-1169.1688	
##	AC002086_at	AC002115_cds1_at	AC002115_cds3_at	AC002115_cds4_at		
## 39	-382.6866	5998.657	1507.68461	-2637.829		
## 40	-420.8603	4848.906	465.87914	-2783.963		
## 42	-598.7680	4076.154	401.40643	-3402.828		
## 47	-443.3457	5982.970	663.28768	-2144.686		
## 48	-949.0685	8111.711	483.75845	-2830.470		
## 49	-553.2696	8125.926	1109.67911	-2080.913		
## 41	-603.8398	6821.571	452.41926	-1944.476		
## 43	-375.2418	5338.690	555.32486	-2493.228		
## 44	-569.7063	6048.119	866.57995	-2474.149		
## 45	-489.8974	5513.450	352.67764	-2450.677		
## 46	-616.5674	2206.649	438.48328	-1718.859		
## 70	-504.0072	4191.414	749.60296	-1681.233		
## 72	-708.5519	5390.773	356.40948	-3315.633		
## 68	-946.6231	7739.203	13.37775	-3966.262		
##	AC002115_rna2_at	AC002450_at	AC002464_at	AC002486_at	AD000092_cds1_at	
## 39	67.91267	-299.0039	-470.6607	-170.26123	-1607.88746	
## 40	-595.90497	-729.4917	-952.9040	-36.22267	1767.19806	
## 42	131.27003	-589.8379	-737.1850	-440.25822	-377.74732	
## 47	393.16456	-452.0594	-543.5527	-269.07277	-81.72931	
## 48	150.59353	-1269.1681	-831.4808	-733.49115	-115.06739	
## 49	282.56946	-383.0465	-756.2279	-22.95917	-586.00479	
## 41	445.64837	-1294.4707	-190.8154	-484.22072	-197.58632	

## 43	353.21083	-697.3611	-187.8653	-67.86008	-950.00362	
## 44	502.96319	-496.9829	-460.6212	-101.54967	-474.25685	
## 45	543.15338	-1159.9238	-559.3650	-70.85076	29.98934	
## 46	-148.65581	-461.3467	-580.5742	-339.86969	-985.49773	
## 70	152.00383	-728.6686	-620.8311	-344.49771	-407.40288	
## 72	-12.40833	-962.1142	-1167.2691	-454.98969	-597.90659	
## 68	541.37825	-671.7138	-625.8956	-909.53220	251.19616	
##	AD000092_cds2_at	AD000684_cds1_at	AD001527_cds1_at	AF000177_at	AF000231_at	
## 39	-1897.5584	-1440.5220	-376.24946	-747.45743	-595.1120	
## 40	-478.4408	-1266.1418	-340.24763	-273.45426	-506.0794	
## 42	-1103.3203	-578.6752	-386.67745	-306.30629	-1087.6926	
## 47	-2044.4787	-1014.0898	-617.61872	-517.41176	-351.8524	
## 48	-4006.3465	-955.6011	-1001.32962	-38.85319	-561.4648	
## 49	-6807.8771	-863.1629	79.61116	68.69942	-730.0397	
## 41	-1700.7242	-664.7778	-274.32309	-445.85233	-323.9763	
## 43	-1345.8103	-349.9776	-238.39379	-516.30059	-712.0986	
## 44	-2190.0734	-1010.5916	-367.44443	-308.35670	-542.4350	
## 45	-3033.3087	-1206.9825	-373.37104	-689.33667	-861.8853	
## 46	-2166.5246	-762.7898	-508.58782	-427.60311	-715.5487	
## 70	-1854.2218	-717.4355	-317.53835	-697.21599	-546.6929	
## 72	-2209.1794	-803.0615	-634.78837	-284.41146	-429.6335	
## 68	-1799.7149	-861.5322	-490.62272	-405.53173	-405.5317	
##	AF000234_at	AF000430_at	AF000545_at	AF000560_at	AF000562_at	AF000573_rna1_at
## 39	-1150.8511	-695.9604	-768.9145	312.52370	1623.55299	-923.4057
## 40	-1229.2903	-641.9694	-1759.0307	316.16988	670.86566	-766.3432
## 42	-2134.7502	-714.8597	-1362.2940	-565.28002	2153.94423	-940.3454
## 47	-1279.8560	-726.5393	-635.0460	-356.20925	1539.00940	-613.2619
## 48	-1985.5815	-959.9562	-1421.5965	-567.99747	1256.78816	-1182.0661
## 49	-1347.6440	-917.7216	-1557.1494	-695.12215	3108.70929	-1118.4975
## 41	-915.3008	-540.6448	-427.7966	402.76605	32.62399	-806.9665
## 43	-2110.0540	-657.3593	-743.6789	-975.26787	479.53210	-752.1003
## 44	-958.3217	-731.0612	-569.7063	-290.17587	748.40451	-849.2366
## 45	-1110.6242	-787.9359	-1359.3631	-1027.71121	1300.57454	-696.0593
## 46	-760.5402	-490.5912	-965.2516	110.04533	-139.65751	-571.5759
## 70	-829.7662	-697.2160	-863.4654	-74.90411	273.32094	-773.6008
## 72	-1388.5598	-862.9944	-1121.1669	-724.68771	831.26241	-833.0279
## 68	-874.6231	-820.0776	-756.8048	-959.71407	1165.37884	-1162.6234
##	AF000959_at	AF001294_at	AF001620_at	AF002020_at	AF002224_at	AF002700_at
## 39	-1670.1131	-762.4774	-1095.0626	-329.04383	1057.08535	-148.80412
## 40	-2136.7587	-98.4096	-897.6267	101.97049	458.96948	302.35057
## 42	-1741.8245	-987.2286	-605.4656	-395.60757	-313.00388	260.75690
## 47	-1168.7570	-393.2423	-476.0219	55.51066	301.67124	81.65161
## 48	-1735.1635	-1184.2437	-1158.1131	-456.94250	-258.78558	-395.97114
## 49	-2059.0893	-821.6983	-677.6634	-29.50621	810.69752	869.62090
## 41	-1750.3774	-159.2179	-621.8955	-278.83701	-64.42545	-572.24231
## 43	-1973.2059	-752.1003	-676.3075	-51.01724	-152.07426	439.53036
## 44	-1576.4702	-785.6037	-946.9586	-235.63335	162.07248	455.23849
## 45	-1735.8328	-243.3994	-891.0169	-73.09165	1569.48146	310.10071
## 46	-1237.4501	-760.5402	-747.0428	-324.12266	-45.17535	-191.39773
## 70	-589.3786	172.2233	-389.4300	-167.01526	437.32371	95.83850
## 72	-1685.9191	-726.9928	-1081.9800	-309.76768	65.96546	89.01657
## 68	-2744.4430	-691.3502	-900.8049	-584.44099	-52.07685	602.46922
##	AF003743_at	AF005037_at	AF005043_at	AF005361_at	AF005775_at	AF005887_at
## 39	-614.4234	-588.6748	-573.6549	-537.1778	722.35446	-638.0262

## 40	1186.7868	-496.8665	-694.9434	-766.3432	3453.15461	-770.9496
## 42	-670.2090	-676.9066	-531.7920	-761.7429	-85.28559	-1181.4589
## 47	-1201.4332	-430.2753	-360.5661	-639.4028	142.64715	-434.6321
## 48	-1007.8623	-883.7420	-544.0444	-1040.5255	-308.86920	-354.5977
## 49	234.5578	-900.2628	-651.4752	-629.6517	937.27367	-1469.8555
## 41	-1368.9505	-533.8739	-646.7221	-682.8335	-73.45331	-533.8739
## 43	302.6823	-476.2989	-421.5596	-682.6236	681.64613	-575.2505
## 44	-308.3567	-440.1678	-671.9735	-799.2393	-290.17587	-367.4444
## 45	-991.8570	-530.2334	-711.7456	-902.2213	336.99141	-734.1545
## 46	-360.1159	-315.1244	-549.0802	-623.3161	26.81105	-294.8782
## 70	679.9579	-396.1698	-434.3622	-569.1590	-178.24832	-414.1427
## 72	-300.5472	-816.8922	-614.0424	-782.3155	796.68574	-699.3315
## 68	-920.4413	-643.3501	-717.5320	-968.4414	-167.71333	-750.2593
##	AF006041_at	AF006084_at	AF006087_at	AF006609_at	AF007111_at	AF007551_at
## 39	3756.3895	1348.90201	297.50373	-408.4351	261.02664	-339.7724
## 40	2686.1826	1258.18659	283.92481	-2664.1959	-404.73777	-598.2082
## 42	-257.1906	48.66634	1178.32765	193.7809	-58.49521	-125.4712
## 47	2512.7597	462.87375	595.75690	-977.0567	-351.85243	-306.1058
## 48	1598.6633	1703.18559	39.53856	-1574.0249	-753.08909	-624.6137
## 49	-1332.3676	1552.69563	1504.68398	-1535.3259	105.79933	-756.2279
## 41	1170.1337	1188.18946	208.66717	-682.8335	-378.14342	-254.0104
## 43	490.0589	382.68579	35.30229	-522.6167	620.59085	-309.9758
## 44	1543.8162	1112.02127	1132.47471	-640.1570	-333.35536	-299.2663
## 45	655.1979	1181.80731	827.74654	-951.5209	-236.67669	-402.5026
## 46	1968.1943	1232.58328	344.00113	-470.3450	24.56147	159.5360
## 70	760.8360	259.84126	322.74644	-692.7228	-101.86347	-602.8582
## 72	686.0404	1377.57378	573.08994	-1317.1013	-263.66546	-809.9768
## 68	-865.8958	2042.47057	2140.65248	-737.1684	-575.71371	-617.1683
##	AF007875_at	AF008445_at	AF008937_at	AF009301_at	AF009368_at	AF009426_at
## 39	-170.261227	-850.4515	235.27811	-552.19775	2316.6176	-680.9404
## 40	-225.086659	-374.7959	-169.80940	120.39624	2013.6425	-526.8084
## 42	-295.143624	-540.7222	-127.70371	-272.81830	211.6412	-670.2090
## 47	5.407178	608.8274	31.54812	-517.41176	804.8845	-539.1959
## 48	1034.678211	-635.5015	-528.80160	-69.33887	734.1765	-681.2300
## 49	-14.229778	-1626.9845	101.43463	-212.82339	3220.0090	-594.7342
## 41	122.902543	-423.2827	-265.29523	-14.77225	700.6853	-380.4004
## 43	170.044983	637.4337	382.68579	237.41633	980.6065	-234.1831
## 44	-101.549672	232.5232	466.60152	-53.82497	977.9376	-194.7265
## 45	249.596657	-111.1868	1033.90851	-66.36897	500.5764	-487.6565
## 46	-427.603113	-697.5521	332.75326	-301.62691	1329.3150	-612.0683
## 70	-241.153495	-319.7850	-113.09654	-382.69013	1621.2889	-438.8555
## 72	15.253010	-717.7724	-427.32836	-395.05680	603.0564	-780.0104
## 68	700.651127	-1125.5324	170.46881	43.92324	61.3778	-625.8956
##	AF009674_at	AF010193_at	AF012270_at	AF014958_at	AF015910_at	AF015913_at
## 39	529.2405	715.91733	-365.52091	-577.946278	4818.5163628	840.36856
## 40	-3074.1690	-199.75125	-250.42207	-483.047224	647.8334667	283.92481
## 42	-1208.2493	591.17167	-505.00165	-96.448256	3355.0465724	535.35837
## 47	334.3474	-351.85243	-794.07012	-639.402846	1369.0932421	521.69088
## 48	-1375.8680	-539.68934	-883.74200	-1151.580461	1261.1432529	2101.67697
## 49	-376.4994	328.39876	-33.87090	540.086451	5284.5096092	1321.36681
## 41	-712.1741	-348.80289	-405.22699	138.701289	-159.2179322	1472.56689
## 43	287.9448	35.30229	-446.82389	-299.449073	782.7031454	130.04325
## 44	-808.3297	162.07248	23.44359	-387.897870	557.5057066	952.93893
## 45	-812.5857	50.15736	-102.22323	-1.383135	150.9974528	1063.04009

## 46	-780.7864	-119.41133	-402.85779	-571.575917	-0.1838526	1527.27761
## 70	-641.0507	109.31818	-153.53558	-362.470612	1106.8144668	309.26676
## 72	-1100.4209	40.60923	-699.33149	-676.280375	1718.7302501	68.27057
## 68	-1116.8051	-187.34971	-1068.80508	-268.077056	1675.9247703	2688.28936
##	AF015950_at	AJ000480_at	AJ001047_at	AJ001421_at	AJ001487_at	D00017_at
## 39	-1058.5855	2771.5083	-1725.9016	467.0149	-1358.9850	-511.4292
## 40	-1586.2893	670.8657	-1298.3869	1034.7743	-1121.0390	4574.8224
## 42	-1909.2644	316.5702	-1353.3639	1091.2589	-1462.7580	588.9391
## 47	-380.1718	210.1779	-1151.3297	1318.9898	-772.2860	2412.5527
## 48	-1811.3776	664.4950	-1554.4269	2188.7789	-1373.6904	1302.5167
## 49	-3062.9690	2840.2806	-1851.7663	430.9691	-1454.5790	4466.1293
## 41	-574.4993	459.1901	-863.3906	2039.0648	-931.0996	5851.0767
## 43	-981.5839	525.8499	-768.9431	2113.2872	-1097.3784	-701.5718
## 44	-892.4161	287.0657	-862.8723	1636.9930	-1162.8561	-653.7926
## 45	-106.7050	2680.9634	-989.6161	1580.6859	-810.3448	1385.7284
## 46	-204.8952	245.0198	-821.2787	737.6768	-1104.7252	233.7720
## 70	-405.1563	684.4512	-481.5411	464.2831	-1047.6877	423.8440
## 72	-948.2835	849.7033	-1556.8329	-346.6495	-1091.2004	1082.5195
## 68	-1153.8961	196.6507	-1404.8054	3170.4716	-1734.2603	10826.4788
##	D00591_at	D00596_at	D00632_at	D00654_at	D00723_at	D00726_at
## 39	-599.40339	1565.6188	93.66120	-726.0003	-721.7089	74.34980
## 40	-858.47197	765.2977	472.78880	-688.0337	-508.3826	-68.46774
## 42	-87.51813	5906.8309	104.47964	-703.6970	-650.1162	6076.50336
## 47	-86.08614	2920.1228	81.65161	-621.9755	-513.0549	1918.05313
## 48	-611.54844	6297.8129	-300.15901	-1341.0272	-631.1464	-88.93680
## 49	-175.72348	2772.6278	33.78186	-553.2696	-716.9456	435.33378
## 41	179.32664	4914.4367	-380.40038	-664.7778	-452.6232	-249.49648
## 43	75.30403	2690.1543	-396.29538	-566.8291	-491.0363	1496.41832
## 44	57.53266	8277.5441	-144.72916	-296.9937	-610.6131	-101.54967
## 45	-82.05521	1831.6657	-129.11392	211.5015	-406.9844	-131.35481
## 46	361.99773	4089.5436	-168.90198	-555.8289	-537.8323	-51.92408
## 70	513.70856	578.8603	-261.37301	-369.2105	-459.0750	48.65962
## 72	188.13636	1506.6600	-272.88590	-881.4353	-862.9944	-171.46100
## 68	150.83243	2666.4712	-532.07730	-854.9867	-580.0773	-588.80463
##	D00761_at	D00762_at	D00763_at	D10202_at	D10495_at	D10511_at
## 39	1074.2510	218.11243	1312.425	-850.4515	-1168.01675	-663.77471
## 40	622.4981	270.10550	2757.582	-1121.0390	-655.78867	-220.48022
## 42	1584.6485	162.52548	1310.047	-989.4611	-1174.76132	-409.00277
## 47	754.7810	489.01470	3739.206	-726.5393	-630.68920	375.73726
## 48	5013.0593	2656.95183	9017.571	-951.2460	-1310.54150	825.63356
## 49	1321.3668	245.46956	4752.017	-891.5334	-878.43933	-804.23952
## 41	1639.5822	802.24865	3621.196	-430.0536	34.88095	-39.59885
## 43	2260.6620	104.77899	2180.659	-320.5026	-278.39553	-371.03113
## 44	3330.0835	491.60017	2989.193	-346.9910	-174.27302	-569.70625
## 45	1311.7790	124.10676	2078.164	-525.7516	-259.08560	135.31122
## 46	3122.2263	92.04872	1423.797	-456.8476	-141.90708	-96.91558
## 70	1848.1968	89.09866	2084.091	-445.5953	232.88190	-101.86347
## 72	1375.2687	305.69703	1020.282	-602.5168	-531.05836	-715.46727
## 68	2830.1077	1475.19731	8463.568	-830.9867	327.55987	1167.56066
##	D10523_at	D10656_at	D10704_at	D10923_at	D10995_at	D11086_at
## 39	-232.4868	-200.30118	-867.6172344	-674.5033	748.10299	1778.0442
## 40	359.9311	125.00268	-708.7627181	-351.7637	329.98920	3133.0071
## 42	403.6390	-353.18946	-556.3498952	-676.9066	-489.37393	3875.2266
## 47	-388.8854	-155.79533	-576.2288914	-674.2574	-123.11914	1024.9041

## 48	-391.6160	-929.47052	-964.3112919	-959.9562	-64.98377	4085.4236	
## 49	592.4628	-586.00479	-708.2162386	-719.1280	804.15048	4348.2826	
## 41	-141.1622	-560.95749	-197.5863168	-617.3816	-109.56473	2551.3956	
## 43	-314.1866	-406.82215	-375.2418358	-596.3041	-227.86702	833.2317	
## 44	-101.5497	-308.35670	-765.1502593	-576.5241	-124.27572	1130.2021	
## 45	-229.9540	61.36181	-382.3346053	948.7546	-156.00461	1625.5037	
## 46	227.0232	-542.33144	-0.1838526	-456.8476	339.50198	1495.7836	
## 70	-182.7416	-607.35146	-463.5682088	-614.0913	55.39946	2140.2566	
## 72	335.6635	-330.51368	-964.4192860	-743.1286	151.25458	1266.9284	
## 68	609.0147	-569.16825	-793.8957323	-1110.2597	-553.89551	7518.8394	
##	D11094_at	D11139_at	D11151_at	D11428_at	D12485_at	D12625_at	
## 39	-736.728876	-603.6948	-262.5268	-985.6313	-500.7007	-629.4433	
## 40	-220.480220	-607.4211	-478.4408	-1130.2519	-734.0981	-618.9372	
## 42	573.311413	-565.2800	-531.7920	-871.1369	-614.3957	-652.3488	
## 47	-44.696304	-621.9755	-752.6803	-367.1013	-730.8962	-807.1406	
## 48	-95.469449	-1051.4132	-881.5644	-1515.2311	-844.5461	-1129.8050	
## 49	-1330.185236	-1114.1328	-396.1406	-1624.8021	-564.1813	-854.4335	
## 41	1.026498	-615.1246	-610.6107	-802.4526	-454.8802	-590.2980	
## 43	-208.918829	-371.0311	-600.5148	-335.2401	-476.2989	-516.3006	
## 44	-265.177214	-583.3419	-312.9019	-569.7063	-485.6199	-210.6347	
## 45	-135.836595	-799.1403	-541.4379	-236.6767	-610.9055	-319.5897	
## 46	-420.854388	-697.5521	-551.3297	-522.0853	-704.3008	-585.0734	
## 70	-324.278186	-632.0642	-304.0587	-715.1889	-728.6686	-620.8311	
## 72	-252.139899	-1201.8457	-579.4657	-1065.8442	-879.1302	-803.0615	
## 68	257.741619	-1315.3508	-769.8957	-370.6226	-1184.4416	-990.2596	
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## 39	-882.6372	-2315.972	-569.3634	5309.884	-644.4633	-721.7089	-871.9087
## 40	-821.6205	-1282.264	-1316.8126	8750.559	-648.8790	-658.0919	-655.7887
## 42	-663.5114	-4005.612	-1029.6467	5228.141	-623.3259	-833.1839	-728.2549
## 47	-711.2905	-1338.673	-1197.0764	6638.672	-635.0460	-558.8016	-798.4269
## 48	-1055.7683	-3329.129	-1038.3479	6737.678	-1001.3296	-1127.6274	-2268.6628
## 49	-994.1037	-5675.239	-917.7216	8835.189	-740.9514	-778.0514	-1142.5034
## 41	-752.7994	-3151.952	-1077.8022	4463.044	-700.8892	-664.7778	-1387.0062
## 43	-661.5700	-2550.073	-486.8256	3071.223	-533.1434	-406.8222	-1061.5874
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## 72	-803.0615	-2172.298	-874.5199	4053.808	-736.2133	-916.0119	-1858.8025
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##	D13315_at	D13370_at	D13435_at	D13540_at	D13626_at	D13627_at	D13628_at
## 39	100.09833	2301.598	-339.7723797	-470.6607	-695.96037	78.64122	-138.0756
## 40	-165.20296	3856.218	0.6288352	495.8210	-395.52489	657.04634	-257.3317
## 42	1810.13427	2066.875	-509.4667184	-612.1632	-652.34878	1455.16164	-482.6763
## 47	1057.58029	4340.448	-164.5089774	-580.5857	-580.58572	1619.61065	-118.7623
## 48	3240.53482	7543.371	-30.1429947	-931.6481	372.70347	7464.97887	-785.7523
## 49	-44.78264	2357.982	-75.3355045	-407.0523	-865.34525	262.92834	-134.2589
## 41	915.09684	3903.317	-21.5431404	-285.6079	-603.83980	1596.69990	-330.7472
## 43	349.00012	1643.793	-512.0898791	205.8360	-11.01551	1972.22844	-389.9793
## 44	1480.18324	2373.317	-97.0044621	-319.7197	-1301.48498	823.40046	-603.7953
## 45	1011.49960	3808.132	-43.9600642	-234.4358	-1435.55338	2024.38233	-575.0512
## 46	985.13002	3781.352	-222.8917831	-110.4130	-382.61161	2112.16712	-650.3110
## 70	284.55401	2717.636	-241.1534950	-115.3432	-632.06420	444.06355	-443.3487
## 72	467.05482	2048.361	-454.9896919	-726.9928	-76.95144	734.44773	-395.0568

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## 48 869.18453 17.763072 -485.25063 -833.6584 -38.85319 -75.87151
## 49 753.95649 -692.939807 -158.26470 -1039.9330 -1264.71482 -1860.49564
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## 40 9959.749 -2394.71927 2322.27392 1884.662 -1455.0058 2315.364
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## 44 8643.433 -1917.36087 -53.82497 3584.615 -1067.4067 3916.416
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## 39 306.0866 323.2523 -655.1919 -805.3916 228.840980 265.3181 653.6917
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## 47 22.83448 -260.35912 334.347426 449.80328 3734.849 425.840741
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## 46 7074.730 -594.07167 4411.233 -551.3297 -542.3314 -411.8561 -708.8000
## 70 6119.009 -77.15073 2122.284 -641.0507 -483.7877 -816.2865 -1070.1538
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##	47	-334.42513	920.3403	306.02807	-818.03265	421.4839	732.996867	-680.7927
##	48	-925.11542	1217.5923	-149.90816	-838.01348	355.2831	4673.361718	-816.2380
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##	44	-828.78319	125.7108	-74.27841	-840.14622	-231.0881	448.420679	-521.9816
##	45	-261.32649	117.3841	68.08449	-915.66666	930.8275	628.307236	-279.2536
##	46	-18.18045	-76.6694	-29.42833	-384.86119	4109.7898	1261.827753	-492.8408
##	70	-191.72800	62.1393	-81.64395	-434.36224	2120.0371	-286.085760	-634.3108
##	72	-547.19414	550.0388	250.37436	-501.09192	1748.6967	704.481285	-733.9082
##	68	-606.25919	1058.4696	-340.07712	-656.44106	3065.7443	526.105508	-889.8958
##		D16217_at	D16227_at	D16294_at	D16350_at	D16469_at	D16532_at	D16562_at
##	39	243.86096	-1472.7077	-221.75829	-438.4751	-670.2118	-459.9322	2576.249
##	40	1405.59263	-612.0275	-105.31925	-519.8987	-75.3774	-764.0400	5141.414
##	42	1001.95760	-694.7669	82.15432	-779.6031	990.7949	-772.9055	5833.157
##	47	168.78810	-1188.3627	-508.69811	-438.9889	1268.8863	-648.1165	5288.057
##	48	714.57858	-1493.4556	329.15250	-944.7134	3464.8223	-742.2013	7245.046
##	49	948.18541	-2137.6538	-267.38207	-854.4335	310.9400	-618.7400	5782.085
##	41	131.93040	-707.6601	195.12538	-624.1525	508.8434	-283.3509	4855.756
##	43	483.74280	-611.0415	-288.92230	-415.2436	302.6823	-389.9793	3384.921
##	44	55.26006	-1176.4917	357.51649	-474.2569	468.8741	-515.1637	6186.748
##	45	612.62100	-1534.1526	-324.07144	-386.8164	1322.9834	-651.2415	4189.083
##	46	422.73626	-607.5691	618.44929	-486.0921	2112.1671	-722.2974	3034.493
##	70	767.57586	-1007.2486	-357.97739	-582.6387	-501.7606	-641.0507	5489.957
##	72	499.32638	-1386.2547	-293.63190	-717.7724	697.5660	-846.8586	2205.109
##	68	591.56011	-270.2589	430.10542	-985.8959	3774.8358	-817.8958	9043.932
##		D16581_at	D16583_at	D16593_at	D16626_at	D16815_at	D17357_at	D17390_at
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##	40	2271.603	-1689.9342	-36.22267	-1174.0130	-492.2601	-625.8468	-2664.196
##	42	2604.916	-1281.9229	-699.23196	-987.2286	-737.1850	-786.3007	-3052.321
##	47	1085.900	-1979.1264	-388.88544	-844.1736	-702.5768	-543.5527	-1462.843
##	48	3954.771	-2941.5253	-898.98484	-1282.2334	-807.5278	-916.4052	-3242.027
##	49	3497.167	-3148.0806	2085.18838	-810.7866	-472.5227	-369.9524	-4509.865
##	41	1303.295	-1400.5480	326.02928	-795.6817	-592.5550	-1077.8022	-1777.461
##	43	3768.096	-1274.2282	144.78073	-752.1003	-737.3628	-400.5061	-1764.776
##	44	2932.378	-1499.2016	-251.54159	-1237.8520	-1101.4958	-742.4242	-1930.996
##	45	2172.281	-778.9723	-1186.81447	-427.1524	-904.4622	-628.8326	-2827.147
##	46	1378.806	-1637.8745	202.27790	-715.5487	-528.8340	-614.3178	-2247.509
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##		D17391_at	D17400_at	D17461_at	D17516_at	D17525_at	D17716_at	D21063_at
##	39	-680.9404	-1073.6055	-1856.7899	203.0925	1866.01831	492.7634	3543.96415
##	40	-708.7627	-639.6661	-282.6671	-326.4283	300.04735	-996.6651	277.01515
##	42	-828.7188	-534.0246	-1424.8049	-739.4175	937.21417	175.9207	3243.41996
##	47	-839.8168	-425.9184	-818.0327	-438.9889	64.22431	142.6471	2765.45549
##	48	-1158.1131	-757.4442	-750.9115	-541.8669	318.26476	355.2831	2667.83957
##	49	-863.1629	-673.2987	-2078.7304	-396.1406	1607.25431	2325.2466	378.59275
##	41	-700.8892	-567.7284	-1283.1859	-739.2576	-204.35721	-147.9331	3275.88097
##	43	-701.5718	-440.5078	-1021.5857	-482.6149	551.11415	-411.0329	1157.45625
##	44	-896.9613	-599.2501	-1085.5875	775.6758	209.79718	30.2614	5759.49798
##	45	-857.4035	-478.6929	-568.3286	744.8336	1020.46316	-848.4399	3205.33189


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## 46 -724.5470 -688.5538 -1185.7099 218.0249 -396.10906 13.3136 1781.47959
## 70 -542.1997 -724.1753 -1186.9777 -373.7037 -641.05066 -144.5491 -11.99894
## 72 -1008.2164 556.9542 -1649.0373 -726.9928 951.12819 114.3728 1043.33264
## 68 -1009.8959 -460.0772 -1123.3506 -750.2593 91.92328 -525.5318 349.37807
## D21089_at D21090_at D21163_at D21205_at D21239_at D21255_at D21260_at
## 39 565.71757 -655.19187 -584.38341 -1674.4045 -314.0239 -659.4833 -108.0356
## 40 815.96848 -135.26111 -565.96312 -1970.9269 -1091.0971 -658.0919 2683.8794
## 42 -80.82053 -174.58688 -875.60200 -2304.4226 -940.3454 -714.8597 1785.5764
## 47 321.27695 -35.98266 -73.01566 -1778.7124 -743.9666 -476.0219 1726.3529
## 48 834.34375 -280.56107 -827.12574 -2547.3890 -1428.1291 -938.1807 7223.2710
## 49 1423.93713 -332.85249 -902.44515 -2576.3056 -1347.6440 -795.5101 2423.4522
## 41 506.58639 -226.92685 -718.94495 -1475.0278 -876.9324 -757.3133 1982.6407
## 43 565.85163 -421.55964 -472.08814 -1790.0401 -1086.8517 -787.8913 2033.2837
## 44 818.85525 -376.53485 -717.42556 -1078.7697 -515.1637 -703.7899 1530.1805
## 45 278.72824 -129.11392 -839.47637 -1220.4278 -550.4014 -817.0675 1289.3701
## 46 438.48328 -461.34674 -704.30084 -1178.9612 -346.6184 -353.3671 1671.2504
## 70 277.81417 -344.49771 -874.69844 -870.2052 -548.9395 -647.7905 882.1531
## 72 354.10437 -298.24212 -844.55350 -2165.3823 -1252.5582 -1056.6237 621.4973
## 68 1014.83324 220.65068 -625.89557 -2157.5334 -1086.2596 -1097.1687 3403.9264
## D21261_at D21262_at D21267_at D21337_at D21851_at D21852_at D21853_at
## 39 10753.552 -507.13782 -346.2095 -350.5009 -329.0438 254.58951 224.54956
## 40 14725.110 -462.31825 -559.0535 -676.5176 -326.4283 385.26646 758.38799
## 42 12198.107 -449.18835 -826.4863 -659.0464 -589.8379 200.47853 2299.05883
## 47 8697.272 -131.83279 -401.9559 -447.7026 -356.2093 384.45091 1277.59993
## 48 6175.870 -480.89553 -912.0501 -996.9745 -676.8749 475.04825 2280.23594
## 49 25722.193 -206.27635 -343.7642 -775.8690 -265.1997 852.16212 1834.21843
## 41 10667.437 82.27719 -827.2792 -504.5334 -430.0536 565.26745 1957.81411
## 43 3460.714 -596.30406 -522.6167 -425.7703 -389.9793 277.41806 753.22818
## 44 3695.973 -353.80880 -703.7899 -717.4256 -369.7170 523.41664 1048.38833
## 45 10306.715 -463.00668 -1020.9885 -740.8772 -232.1949 334.75051 2293.28925
## 46 6123.159 -139.65751 -609.8187 -603.0700 -396.1091 152.78725 2098.66967
## 70 12645.420 -128.82283 -600.6116 -773.6008 -434.3622 457.54323 1574.11003
## 72 13537.036 -420.41302 -551.8044 -604.8219 -595.6015 -76.95144 38.30412
## 68 24022.128 120.28694 -1049.1687 -804.8048 -695.7138 890.46949 2291.19808
## D21878_at D23660_at D23662_at D23673_at D25215_at D25216_at D25217_at
## 39 -846.1601 24134.20 3440.970 5419.315 -710.9803 2745.7597 1084.97959
## 40 -895.3235 27049.64 2363.732 4095.753 -750.2207 901.1876 845.91033
## 42 -1047.5070 27153.84 2573.660 4156.526 -1031.8793 1443.9990 82.15432
## 47 -876.8498 30749.34 3484.332 3118.358 -765.7508 1020.5473 408.41344
## 48 -1182.0661 32352.18 7687.089 12719.403 -777.0421 1219.7698 -162.97345
## 49 -1426.2085 26931.21 3438.244 6707.400 -884.9864 3569.1846 -924.26863
## 41 -922.0717 45880.59 2833.516 4819.644 -335.2611 1109.1957 1253.64141
## 43 -356.2936 29314.47 1502.734 3445.977 -486.8256 1639.5824 469.00532
## 44 -821.9654 40166.73 3611.886 5927.671 -799.2393 1257.4680 -724.24337
## 45 -792.4177 40502.72 2837.826 3465.275 -637.7962 2723.5403 554.35783
## 46 -652.5606 30648.03 2625.070 7232.200 -600.8204 1803.9753 -499.58951
## 70 -614.0913 34428.58 1659.481 3041.148 -593.8718 2209.9016 -504.00725
## 72 -1081.9800 30016.28 2898.947 4226.691 -865.2995 1110.1809 -272.88590
## 68 -1184.4416 37719.60 3288.290 3526.108 -1300.0780 1167.5607 83.19600
## D25218_at D25248_at D25274_at D25278_at D25303_at D25328_at
## 39 78.6412246 404.78926 63.62125 803.891472 -241.069683 -1073.6055
## 40 -367.8862574 67.42220 339.20208 730.749363 553.401474 949.5552
## 42 -388.9099780 -201.37727 276.38463 106.712177 -355.421994 -938.1129
## 47 338.7042509 -260.35912 2612.96663 613.184194 9.764002 -238.5750

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## 48 -38.8531886 -297.98146 2367.33788 154.948626 -800.995156 -1639.3513
## 49 457.1572511 941.63836 254.19895 603.374524 145.081579 -974.4626
## 41 558.4965560 -348.80289 2689.07038 195.125384 -436.824480 639.7473
## 43 -0.4887328 -183.65458 976.39576 3.721976 -101.545749 -651.0433
## 44 300.7013696 -110.64009 1593.81347 -181.090838 -801.511935 -487.8925
## 45 446.7950649 -93.25967 1643.43086 370.604771 -855.162606 -335.2759
## 46 465.4781838 -418.60481 -146.40623 285.512179 -733.545321 -258.8850
## 70 284.5540101 -483.78773 -74.90411 -306.305280 -362.470612 -504.0072
## 72 112.0676842 172.00058 2115.20939 206.577247 -401.972132 -362.7852
## 68 -436.0772143 -499.35000 2391.56181 -56.440494 -590.986451 1355.1972
## D25538_at D25539_at D25547_at D26018_at D26067_at D26068_at D26069_at
## 39 -798.95449 -522.1578 715.9173 -779.64309 -28.644315 6481.442 -196.00976
## 40 -195.14481 -618.9372 606.3755 -734.09813 -199.751246 3895.373 -222.78344
## 42 -263.88817 -703.6970 660.3802 -708.16209 -393.375042 11215.793 -359.88706
## 47 -168.86580 -639.4028 105.6141 -406.31274 -5.484884 6244.380 -35.98266
## 48 -99.82455 -853.2563 751.5969 -513.55876 -182.571388 7569.501 418.43199
## 49 -363.40536 -300.1173 1511.2310 -688.57511 27.234821 6030.872 51.24064
## 41 359.88374 -653.4930 -558.7005 89.04809 -215.642027 5688.575 -265.29523
## 43 -57.33330 125.8325 393.2126 -526.82736 -46.806532 4340.752 -57.33330
## 44 -665.15565 -856.0544 -653.7926 -508.34592 -383.352661 5211.800 -208.36209
## 45 -216.50867 -326.3123 260.8011 -577.29212 -384.575496 3693.846 -259.08560
## 46 98.79745 -774.0377 -519.8357 -564.82719 -168.901982 3664.374 -519.83569
## 70 -243.40011 -373.7037 -369.2105 -616.33791 -274.852694 3829.710 -342.25109
## 72 -570.24526 -740.8235 -208.3428 -819.19728 -445.769247 10316.795 -187.59678
## 68 1108.65151 -852.8049 155.1961 -366.25897 -494.986361 9033.023 -470.98634
## D26129_at D26135_at D26308_at D26350_at D26361_at D26362_at D26443_at
## 39 -674.5033 -1084.3340 349.0008 -839.7230 -241.06968 42.16414 -655.1919
## 40 -641.9694 -1104.9164 585.6465 -641.9694 -331.03475 744.56868 -536.0213
## 42 -877.8345 -973.8334 10086.1312 -893.4623 -268.35324 1097.95649 -710.3946
## 47 -493.4492 -848.5304 1423.5535 -802.7838 -51.23154 709.03433 -264.7159
## 48 -857.6114 -1591.4453 1803.3528 -1068.8336 -544.04444 407.54425 -1020.9276
## 49 -1367.2851 -1799.3899 1279.9022 -1273.4442 -278.29381 1419.57244 -644.9282
## 41 -1007.8363 -987.5236 872.2145 -689.6044 -105.05080 1050.51466 -608.3537
## 43 -743.6789 -1006.8482 10519.9678 -465.7721 -314.18656 220.57349 -632.0951
## 44 -585.6145 -1067.4067 289.3383 -1094.6779 -126.54832 1239.28713 -826.5106
## 45 -400.2617 -976.1707 274.2465 -980.6525 -218.74956 630.54813 -713.9865
## 46 -821.2787 -936.0071 969.3830 -623.3161 -326.37224 1446.29291 -573.8255
## 70 -578.1455 -937.6036 1160.7332 -679.2431 -414.14272 246.36158 -620.8311
## 72 -427.3284 -1231.8122 296.4766 -892.9608 -537.97370 457.83438 -805.3666
## 68 -1173.5325 -1262.9871 1473.0155 -1103.7142 -693.53200 1019.19688 -1005.5323
## D26528_at D26561_cds1_at D26561_cds2_at D26561_cds3_at D26579_at D26598_at
## 39 -215.3212 -779.6431 -320.4610 -558.6349 52.89270 3155.590
## 40 -199.7512 -496.8665 -542.9309 -658.0919 270.10550 3303.445
## 42 -732.7199 -683.6042 -723.7898 -692.5344 -208.07487 2971.051
## 47 -223.3261 -517.4118 -360.5661 -513.0549 81.65161 4590.965
## 48 -798.8176 -957.7786 -774.8646 -973.0215 -415.56908 5823.107
## 49 -448.5169 -769.3220 -483.4345 -756.2279 3.22900 4324.277
## 41 -529.3600 -707.6601 -452.6232 -436.8245 -353.31682 3713.732
## 43 -472.0881 -596.3041 -440.5078 -501.5631 -446.82389 2717.524
## 44 -460.6212 -501.5281 -508.3459 -710.6077 -192.45386 5704.955
## 45 -156.0046 -463.0067 -512.3063 -613.1464 296.65537 1804.775
## 46 -600.8204 -650.3110 -675.0564 -600.8204 238.27110 3113.228
## 70 -227.6738 -548.9395 -335.5113 -508.5005 -306.30528 2749.089
## 72 -662.4497 -630.1781 -547.1941 -754.6542 -97.69744 3157.120

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## 68	-813.5321	-964.0777	-1068.8051	-1029.5323	-806.98665	4230.836
##	D26599_at	D26600_at	D28114_at	D28118_at	D28124_at	D28137_at
## 39	2668.514	1953.992	887.57419	104.389754	627.943187	181.6353
## 40	3678.870	1601.366	415.20831	553.401474	1992.913555	873.5490
## 42	1665.020	2794.681	-299.60869	249.594240	684.938025	613.4970
## 47	2436.515	1959.443	-260.35912	-393.242263	1390.877365	3530.0782
## 48	5413.728	3401.673	-306.69165	908.380399	790.792782	2985.7616
## 49	4250.077	4092.948	708.12720	160.358010	1812.394961	699.3978
## 41	3546.717	2878.655	-371.37253	244.778588	551.725665	709.7131
## 43	1953.280	1780.641	-253.13127	-107.861813	843.758426	389.0019
## 44	5182.256	2673.301	-69.73321	-28.826319	557.505707	475.6919
## 45	2376.202	3447.348	-261.32649	-498.860937	5.339538	3147.0687
## 46	2046.929	1664.502	-321.87309	211.276203	699.433990	1878.2113
## 70	2104.311	3562.363	-254.63317	5.973965	183.456413	109.3182
## 72	1495.134	1840.901	-171.46100	123.593241	197.356802	697.5660
## 68	4182.836	5267.201	-632.44104	635.196520	427.923598	2367.5618
##	D28383_at	D28416_at	D28423_at	D28476_at	D28483_at	D28532_at
## 39	-20.06147	2829.442	4895.762	389.76929	-196.0098	-376.24946
## 40	-593.60175	2909.595	327.686	677.77532	-570.5696	69.72542
## 42	-348.72440	3100.538	6525.242	1162.69992	-248.2604	-442.49075
## 47	-293.03530	2619.502	2212.139	1257.99422	-367.1013	-136.18962
## 48	-265.31823	2796.315	4529.644	3697.82000	-628.9688	-744.37890
## 49	-494.34620	4326.459	2240.135	869.62090	524.8100	-411.41700
## 41	-389.42824	2063.891	2993.760	-73.45331	-445.8523	-502.27643
## 43	-465.77208	2751.210	2043.810	696.38361	-385.7686	-411.03286
## 44	-15.19069	4434.569	5998.121	518.87143	-501.5281	-569.70625
## 45	-312.86698	2259.676	5614.290	511.78090	-326.3123	-503.34272
## 46	-67.67110	2816.284	7119.721	449.73116	-272.3824	-454.59801
## 70	-281.59253	1504.465	2034.666	309.26676	-508.5005	-450.08853
## 72	-242.91945	2306.534	2398.738	554.64905	-210.6479	-418.10791
## 68	-67.34960	6897.021	6078.838	2097.01608	-839.7140	-892.07764
##	D28589_at	D28915_at	D29012_at	D29013_at	D29641_at	D29642_at
## 39	-610.13194	291.0665929	4342.169	1012.02542	-419.16368	27.14417
## 40	90.45439	429.0276305	5397.072	553.40147	-259.63495	-31.61624
## 42	-288.44603	86.6193871	2370.500	19.64342	-498.30406	-1125.64561
## 47	168.78810	1835.2734622	1931.124	229.78364	-55.58837	580.50801
## 48	80.91198	187.6118531	6469.839	638.36439	-341.53243	-10.54506
## 49	-1059.57416	618.6509557	4005.654	878.35029	-520.53437	-553.26958
## 41	709.71313	-190.8154254	2551.396	134.18736	-109.56473	2357.29670
## 43	-360.50435	-0.4887328	3096.488	111.09506	-208.91883	-625.77902
## 44	-224.27033	-178.8182332	4289.123	537.05226	-299.26629	448.42068
## 45	-460.76579	-144.8001592	1945.951	366.12299	-355.44391	720.18377
## 46	584.70566	494.7226595	3920.825	364.24731	-207.14476	11.06402
## 70	495.73566	-164.7686439	3169.205	331.73289	-297.31883	-83.89057
## 72	236.54369	231.9334711	1767.138	411.73215	-607.12704	-556.41459
## 68	1261.37893	-178.6224269	4265.745	41.74142	-62.98595	1342.10627
##	D29643_at	D29677_at	D29810_at	D29833_at	D29954_at	D29956_at
## 39	928.3427	-268.96392	-511.4292	-427.7465	1793.064147	-309.7324
## 40	772.2073	249.37652	-388.6152	-333.3380	2736.853398	-151.3836
## 42	968.4696	-386.67745	-563.0475	-761.7429	1334.604904	-525.0944
## 47	1909.3395	-96.97820	-839.8168	-489.0924	837.560655	-123.1191
## 48	1731.4937	766.83975	-975.1990	-1112.3846	1951.426120	-376.3732
## 49	1591.9779	-788.96309	-369.9524	-426.6934	4151.871330	-121.1648
## 41	1375.5175	50.67970	-533.8739	-750.5424	1646.353107	-371.3725

##	43	125.8325	-345.76687	-838.4198	-722.6253	591.115885	-278.3955	-768.9431
##	44	1698.3533	-221.99772	-762.8777	-458.3486	1337.009137	-356.0814	-374.2622
##	45	1867.5200	-653.48242	-765.5270	-671.4095	1802.534120	-411.4662	-427.1524
##	46	1462.0399	-87.91728	-630.0649	-508.5878	-9.182153	-477.0938	-486.0921
##	70	906.8659	-771.35423	-564.6658	-620.8311	1041.662682	-375.9503	-876.9451
##	72	1070.9940	-109.22300	-690.1110	-761.5695	1034.112198	-436.5488	-1019.7420
##	68	2275.9253	-335.71348	-983.7141	-835.3503	1195.924319	-547.3500	-1147.3506
##		D29963_at	D30036_at	D30037_at	D30655_at	D30742_at	D30755_at	D30756_at
##	39	1917.5154	488.471986	-294.7125	11811.388	327.54368	-371.958042	-314.02385
##	40	2064.3134	385.266463	-434.6796	7755.568	-188.23515	-579.782436	-47.73877
##	42	729.5887	-190.214609	-549.6523	9175.258	-337.56174	-78.587998	-359.88706
##	47	1748.1370	1.050353	-530.4822	8401.008	-214.61246	-14.198533	-205.89881
##	48	995.4823	-341.532427	-659.4545	20018.546	-517.91385	-382.905848	-663.80960
##	49	3388.0498	701.580155	-616.5576	4114.771	99.25228	-572.910702	-428.87578
##	41	739.0537	-360.087710	-430.0536	7449.007	-242.72559	-17.029213	-421.02573
##	43	595.3266	-432.086408	-385.7686	5883.977	54.25048	-187.865284	-440.50783
##	44	550.6879	239.341041	-342.4458	7418.499	-301.53889	-6.100272	-465.16643
##	45	529.7080	233.910420	-348.7212	12581.220	-196.34065	-187.377088	-438.35688
##	46	283.2626	285.512179	-168.9020	8707.921	-310.62521	-67.671104	-456.84759
##	70	369.9253	316.006596	-317.5383	9156.430	253.10142	-59.177820	-470.30805
##	72	1946.9363	68.270570	-722.3826	10729.410	-346.64946	75.185904	-703.94171
##	68	805.3785	-62.985955	-438.2590	16246.120	-479.71362	1551.561017	-885.53218
##		D30758_at	D31716_at	D31762_at	D31763_at	D31764_at	D31765_at	D31766_at
##	39	2181.438	-361.22949	-485.68071	-655.1919	473.4520	1818.81268	690.16880
##	40	2073.526	101.97049	76.63507	-591.2985	-1245.4128	249.37652	-245.81563
##	42	1816.832	-315.23641	-621.09333	-589.8379	-1060.9022	1080.09623	466.14987
##	47	1839.630	-338.78196	-702.57680	-497.8061	1131.6463	1003.11999	430.19757
##	48	1642.214	-785.75232	-117.24493	-365.4855	-979.5541	96.15482	-642.03412
##	49	3174.180	-18.59447	57.78768	-710.3986	-5710.1564	2613.31644	950.36775
##	41	1032.459	-267.55219	-186.30150	-441.3384	314.7445	364.39767	-222.41292
##	43	1506.945	-497.35240	-533.14342	-320.5026	1334.3060	201.62530	100.56828
##	44	2298.321	-671.97346	-465.16643	-1051.4985	-453.8034	398.42337	162.07248
##	45	1322.983	-595.21925	-245.64025	-584.0148	-1836.6729	594.69387	-447.32044
##	46	2658.814	101.04702	-549.08017	-292.6286	-1959.5637	519.46799	188.78045
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##		D31767_at	D31784_at	D31797_at	D31815_at	D31846_at	D31883_at	D31884_at
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##	72	8037.040	-697.0264	-109.2230	-1081.9800	1495.134	464.7497	2371.07674
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##		D31885_at	D31886_at	D31887_at	D31888_at	D31890_at	D31891_at	D31897_at
##	39	368.3122	-1238.8252	-39.37287	-2.895785	1602.096	1177.24515	-856.8887

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## 48 725.46633 1988.4444 -210.879518 -544.04444 -1027.4602 -1778.71442 4727.800
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## 39 -648.75473 -794.6631 -871.9087 715.91733 690.16880 37.872720 -320.4610
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## 72	-76.95144	-823.8075	-786.9257	298.78170	467.05482	158.169910	-759.2644
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## 40	5053.8920	313.86666	-598.2082	-476.13757	3054.698	-374.79592	-1003.5748
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## 47	1410.4831	-279.96483	-264.7159	-443.34574	3318.772	-201.54199	-1188.3627
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## 43	955.3422	-305.76514	-76.2815	-385.76861	2205.923	1774.32512	-712.0986
## 44	141.6190	-562.88844	-235.6334	-576.52406	2680.119	-369.71703	-799.2393
## 45	789.6514	-436.11599	-102.2232	-539.19698	1831.666	-563.84678	-1146.4784
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## 42	-630.02346	-531.79204	-74.12293	-375.5148	-78.58800	454.9872	-482.676332
## 47	-284.32165	-238.57499	449.80328	147.0040	861.52319	412.7703	151.360798
## 48	-376.37320	174.54656	954.10892	840.8764	1772.86715	1772.8671	673.205164
## 49	-701.66920	-668.93399	-249.92329	1118.4085	1548.33093	212.7343	-507.440282
## 41	-574.49927	1095.65394	389.22427	438.8775	1840.45199	425.3357	-30.570996
## 43	-42.59582	155.30750	-67.86008	944.8154	555.32486	277.4181	-537.354133
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## 70	2650.238	-173.7551	-70.41089	-569.1590	-36.71169	-1267.85576	-272.6061
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## 42 -942.5780 -531.79204 801.0297 329.9654 -603.2331 1115.8167 -779.60312
## 47 -595.8346 59.86748 1843.9871 2379.8765 -314.8194 2490.9755 828.84701
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## 43 -737.3628 -375.24184 1071.1367 186.8878 -522.6167 1997.4927 565.85163
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## 45 -987.3752 -225.47224 1654.6353 3281.5222 -597.4601 3794.6862 -64.12808
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## 70 -703.9558 -259.12640 1479.7523 520.4484 -241.1535 888.8930 -665.76340
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## 43	-1021.5857	100.56828	94.25222	-284.7116	-507.8792	-385.768608	
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## 72	-607.1270	162.78013	-577.16059	-1123.4720	-570.2453	-754.654159	
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## 40	620.19483	-853.8655	240.16365	737.65902	-685.7305	-457.7118	366.84071
## 42	-464.81607	-991.6937	-670.20904	-1085.46003	-1031.8793	1151.5373	-505.00165
## 47	408.41344	-504.3413	915.98350	-22.91218	-412.8480	3418.9792	-51.23154
## 48	1235.01267	-1066.6561	213.74243	655.78478	-1012.2174	2354.2726	-594.12805
## 49	11.95839	-1090.1270	-448.51690	-1039.93304	-463.7933	871.8032	204.00496
## 41	759.36633	-653.4930	878.98542	310.23054	-669.2918	-136.6483	-639.95122
## 43	-42.59582	-964.7411	363.73760	10.03804	-575.2505	1896.4357	-651.04328
## 44	-137.91135	-583.3419	173.43550	-308.35670	-781.0585	27.9888	-292.44847
## 45	-93.25967	-891.0169	-77.57343	-496.62005	-873.0897	-144.8002	27.74845
## 46	56.05552	-1019.2414	-425.35354	-659.30934	-645.8119	883.8991	-623.31614
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##	D50863_at	D50911_at	D50912_at	D50913_at	D50914_at	D50915_at	
## 39	-75.84995	924.0513	668.711692	-1369.71356	-127.34701	-2.895785	
## 40	-188.23515	1352.6186	219.434672	-1899.52711	-165.20296	-625.846822	
## 42	-230.40019	635.8223	-230.400190	162.52548	289.77982	135.735096	
## 47	179.68016	754.7810	72.937957	2395.12541	-343.13878	-818.032650	
## 48	-1081.89891	1191.4617	468.515607	-162.97345	-563.64237	-115.067385	
## 49	-1133.77397	808.5152	-94.976631	832.52100	-158.26470	-760.592575	
## 41	271.86215	935.4095	339.571067	709.71313	427.59266	1176.904637	
## 43	-592.09335	464.7946	-238.393793	1723.79661	-305.76514	-284.711592	
## 44	-394.71568	1396.0969	189.343737	-251.54159	-251.54159	-426.532151	
## 45	-1077.01082	549.8761	209.260619	155.47923	643.99347	-91.018775	
## 46	-578.32464	436.2337	227.023228	-672.80679	130.29150	193.279602	
## 70	-627.57098	134.0309	5.973965	405.87113	-83.89057	-427.622396	
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## 68	-161.16787	617.7420	288.287103	-54.25867	358.10535	-933.532227	
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## 39	-850.45155	-329.043826	-314.02385	-850.4515	-60.82998	-959.88280	-1296.7594
## 40	-453.10537	32.873906	901.18759	-319.5187	134.21556	-384.00879	-669.6080
## 42	-482.67633	-150.029029	178.15321	-714.8597	307.64008	-241.56285	-1036.3443
## 47	-325.71148	5.407178	1493.26274	-584.9425	-55.58837	-674.25744	-863.7793
## 48	-374.19565	-417.746624	764.66220	-888.0971	470.69316	-315.40185	-1243.0375
## 49	-950.45680	-267.382072	385.13979	-734.4044	-880.62168	29.41717	-3447.0622
## 41	-10.25832	95.818977	391.48123	-515.8182	463.70408	21.33917	-402.9700
## 43	-356.29365	338.473343	-339.45081	-512.0899	256.36452	-101.54575	-939.4768
## 44	-424.25955	9.807961	-83.36883	-708.3351	623.41124	55.26006	-619.7036
## 45	-153.76372	-471.970245	-117.90947	-586.2557	-272.53095	-133.59570	-1005.3023
## 46	-310.62521	-580.574217	348.50028	-438.8510	402.49008	-227.39093	-864.0207
## 70	-331.01803	-357.977385	471.02291	-414.1427	102.57834	-104.11009	-1429.6119
## 72	-706.24682	264.205029	1043.33264	-703.9417	61.35524	-602.51681	-869.9097
## 68	253.37798	388.650833	2293.37990	-787.3503	214.10521	-143.71330	-1426.6236
##	D50924_at	D50925_at	D50926_at	D50927_at	D50928_at	D50930_at	D50931_at
## 39	-196.0098	136.57542	-196.009757	-552.19775	-532.88635	1115.0195	-1985.53256

## 40	-381.7056	-229.69310	-6.280823	81.24151	-420.86030	650.1367	-280.36392
## 42	-621.0933	122.33990	468.382399	-219.23753	-243.79538	338.8955	-1181.45892
## 47	-347.4956	-375.81497	297.314418	251.56776	-430.27527	210.1779	-177.57945
## 48	-422.1017	-354.59772	2297.656329	1108.71486	-637.67902	1248.0780	-894.62974
## 49	-208.4587	-186.63522	-184.452872	-433.24047	234.55782	1196.9730	-1947.78954
## 41	-479.7068	-116.33562	-98.279910	-23.80010	131.93040	1635.0683	400.50909
## 43	-533.1434	50.03978	407.950042	-46.80653	-284.71159	-158.3903	-1583.71533
## 44	-674.2461	-140.18395	-81.096229	-185.63605	37.07922	-278.8128	-996.95594
## 45	-539.1970	-198.58154	207.019728	-108.94590	-713.98647	886.0097	-283.73540
## 46	-418.6048	-245.38753	-265.633709	-99.16516	701.68356	562.2099	-839.27535
## 70	-490.5276	-292.82560	-164.768644	-247.89333	48.65962	-272.6061	-710.69567
## 72	-466.5152	33.69390	139.729020	-242.91945	93.62679	568.4797	-1453.10288
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##	D55638_at	D55640_at	D55654_at	D55696_at	D55716_at	D56495_at	D59253_at
## 39	-1114.3740	1269.51071	1400.3991	-1582.1389	1623.553	306.08657	-638.02618
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## 47	-798.4269	-96.97820	2687.0326	408.4134	2307.989	214.53475	-580.58572
## 48	-1443.3720	22.11817	5185.0856	-925.1154	2302.011	-393.79359	-729.13606
## 49	-1681.5432	1585.43084	2296.8761	-1061.7565	3110.892	472.43368	-725.67502
## 41	-721.2019	310.23054	3102.0948	-926.5856	6602.646	-71.19634	-346.54593
## 43	-581.5666	-162.60103	1102.7170	-642.6219	1698.532	201.62530	-86.80827
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## 45	-767.7679	-734.15449	2172.2811	-902.2213	2797.490	1161.63929	-70.85076
## 46	-578.3246	-663.80849	751.1742	-522.0853	1345.062	-157.65411	-60.92238
## 70	-596.1184	-420.88256	2351.4382	-1492.5171	1059.636	113.81140	-456.82837
## 72	-1307.8809	65.96546	895.8055	-1342.4575	1384.489	-256.75012	-602.51681
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## 40	2151.836	-36.22267	-1577.076	-144.4740	-220.48022	-324.1251	-1093.4003
## 42	2196.362	-940.34544	-1382.387	-623.3259	-1072.06484	-375.5148	-719.3247
## 47	6510.146	-214.61246	-1462.843	-227.6829	-297.39212	-256.0023	-530.4822
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## 41	5532.845	-678.31961	-1418.604	-502.2764	-391.68520	-547.4157	359.8837
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## 44	4909.544	-271.99503	-1146.948	-406.0787	-224.27033	-683.3365	-494.7103
## 45	3785.723	-10.34670	-1168.887	-454.0431	83.77072	-588.4966	-812.5857
## 46	1846.717	-180.14986	-1014.742	-112.6626	-353.36714	-398.3586	-1077.7303
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## 72	2788.302	-918.31706	-1722.801	-233.6990	-12.40833	-346.6495	-639.3986
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## 42	-574.2102	1790.04148	1993.2019	-540.72217	1394.883274	-308.53882	1162.6999
## 47	-702.5768	2055.29310	815.7765	-131.83279	1070.650765	-86.08614	530.4045
## 48	-940.3583	2519.76627	1428.8145	115.75275	601.346064	-265.31823	205.0322
## 49	-647.1105	1214.43178	1395.5666	-398.32291	1738.195151	-507.44028	420.0573
## 41	-565.4714	1646.35311	757.1094	-123.10651	513.357280	-314.94843	1201.7312
## 43	-482.6149	1521.68258	1096.4010	-331.02939	439.530360	-461.56137	883.7602
## 44	-715.1530	721.13325	887.0334	-167.45521	-131.093533	-390.17048	902.9416
## 45	-1003.0614	760.51980	303.3780	-212.02689	-5.864917	-321.83055	785.1696

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## 46 -558.0785 1338.31331 589.2048 -362.36544 -164.402832 -321.87309 1162.8465
## 70 -548.9395 1028.18300 524.9416 -432.11562 118.304628 -443.34869 172.2233
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## 42 -364.35212 111.1772 1468.55684 -558.5824 -667.97651 736.286266 16453.313
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## 39 1235.1793 93.66120 -655.1919 -522.15780 -1301.051 -474.9522 -595.1120
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## 47 541.2966 22.83448 -417.2048 160.07445 -1155.687 -476.0219 -136.1896

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## 48 168.0139 24.29572 -1051.4132 -14.90016 -2257.775 -953.4235 -435.1670
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## 43 -194.18135 -284.711592 -425.77034 666.9086 -446.8239 -1790.0401 338.4733
## 44 -47.00716 -328.810147 -390.17048 896.1238 -471.9842 -885.5983 421.1494
## 45 -32.75561 -223.231344 -400.26173 455.7586 -489.8974 -1271.9683 1336.4288
## 46 -74.41983 -384.861187 -461.34674 290.0113 -567.0768 -920.2601 517.2184
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## 68 678.83292 497.741845 -876.80490 1691.1975 -787.3503 -1289.1689 2546.4710
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##	41	-454.8802	400.50909	-1181.6225	608.14976	1481.595	515.614244
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##	44	-90.1866478	-494.7103	-537.8898	68.89568	657.50032	155.25467
##	45	-43.9600642	-552.6423	159.9610	-530.23341	1542.59076	522.98536
##	46	-92.4164299	-497.3399	-740.2940	-519.83569	1088.61047	-420.85439
##	70	-220.9339756	-495.0208	-432.1156	-101.86347	12.71380	304.77353
##	72	1.4223426	-404.2772	-505.7021	-586.38104	1193.16488	-270.58079
##	68	-636.8046756	-516.8046	-998.9868	491.19638	1187.19704	218.46886
##		D84424_at	D84454_at	D84557_at	D85181_at	D85245_at	D85376_at
##	39	-511.42924	-1187.3281	1104.2910	-537.1778	587.174682	-453.4951
##	40	-874.59451	-471.5311	852.8200	-105.3193	263.195839	-282.6671
##	42	-703.69702	-574.2102	1225.2108	-429.0956	242.896643	-667.9765
##	47	-798.42694	-621.9755	1968.1566	-604.5483	567.437536	-264.7159
##	48	-1023.10510	200.6771	3194.8063	-583.2403	518.599222	-716.0708
##	49	-343.76423	-1816.8487	3126.1681	-553.2696	1127.137890	-311.0290
##	41	-858.87671	-739.2576	2382.1233	-405.2270	89.048086	-603.8398
##	43	28.98623	-859.4734	1197.4580	-202.6028	180.571755	-356.2936
##	44	-862.87226	-1303.7576	2577.8513	-926.5052	316.609603	-460.6212
##	45	-839.47637	-823.7901	1959.3965	-830.5128	442.313283	-523.5107

##	46	-810.03087	-740.2940	634.1963	-339.8697	386.743057	-522.0853	-839.2753
##	70	-641.05066	-319.7850	884.3998	-557.9260	293.540463	-528.7200	-989.2757
##	72	-948.28351	-844.5535	706.7864	-521.8379	464.749711	-614.0424	-595.6015
##	68	-870.25944	-121.8951	1968.2887	-769.8957	-8.440449	-841.8958	-636.8047
##		D85423_at	D85429_at	D85433_at	D85527_at	D85758_at	D85815_at	D85939_at
##	39	-989.9227	1898.2040	-893.3658	1027.04539	1162.2252	-262.5268	42.16414
##	40	-676.5176	-344.8541	-457.7118	525.76284	1384.8637	862.0329	-324.12509
##	42	-630.0235	-676.9066	-614.3957	-152.26156	1906.1332	986.3299	-643.41865
##	47	-567.5152	1218.7828	-480.3788	430.19757	3114.0014	101.2573	-338.78196
##	48	-1112.3846	4155.1052	-404.6813	244.22811	6062.6376	-443.8772	-2682.39704
##	49	-1018.1096	-201.9117	-773.6867	1223.16117	2429.9993	2342.7054	-2048.17752
##	41	-721.2019	1066.3134	-461.6511	-208.87114	2409.2069	289.9179	-838.56404
##	43	-305.7651	1273.2507	-375.2418	-177.33851	555.3249	-400.5061	-787.89132
##	44	-694.6995	1250.6502	-258.3594	-160.63740	1950.6124	739.3141	-762.87765
##	45	-337.5168	18571.1215	-335.2759	-144.80016	637.2708	-364.4075	-326.31233
##	46	-564.8272	1196.5901	-454.5980	-47.42493	1315.8176	811.9127	-868.51982
##	70	-555.6794	347.4592	-153.5356	-14.24555	722.6436	-387.1834	-18.73878
##	72	-1019.7420	1928.4954	-837.6382	317.22259	990.3151	-372.0057	-1545.30733
##	68	-833.1685	1396.6518	-331.3498	-422.98629	1939.9250	-359.7135	-994.62319
##		D86096_cds3_at	D86425_at	D86479_at	D86519_at	D86549_at	D86640_at	
##	39	-710.9803	-500.70069	1949.7010	-56.53856	-39.37287	-511.4292	
##	40	-512.9891	-655.78867	1126.9031	-20.10014	69.72542	-351.7637	
##	42	-810.8586	-748.34767	508.5680	-98.68079	-355.42199	-509.4667	
##	47	-807.1406	-452.05939	595.7569	-73.01566	-279.96483	-484.7356	
##	48	-1094.9642	-1108.02949	1106.5373	-605.01579	76.55688	-846.7237	
##	49	-710.3986	-16.41213	12067.2452	321.85171	-531.44610	-324.1231	
##	41	-759.5703	-592.55498	3302.9645	-430.05359	-254.01041	-515.8182	
##	43	-320.5026	-345.76687	2559.6224	-147.86355	-198.39206	-552.0916	
##	44	-701.5173	-551.52541	1864.2534	-124.27572	-110.64009	-524.2542	
##	45	-716.2274	-406.98441	1038.3903	-70.85076	16.54399	-337.5168	
##	46	-544.5810	-587.32294	1806.2249	-360.11586	-380.36204	-573.8255	
##	70	-562.4192	-382.69013	1347.2021	-357.97739	-407.40288	-393.9232	
##	72	-844.5535	-897.57106	1534.3213	-448.07436	-484.95614	-939.0631	
##	68	-1079.7142	-865.89580	235.9234	-527.71366	-357.53169	-809.1685	
##		D86956_at	D86957_at	D86959_at	D86960_at	D86961_at	D86962_at	D86963_at
##	39	-496.40927	-588.6748	-303.2953	-356.9381	-751.7489	668.7117	1492.66464
##	40	-519.89873	-800.8915	-303.3961	-354.0669	-830.8333	1318.0703	802.14916
##	42	-897.92733	-498.3041	-469.2811	-339.7943	-884.5321	-138.8664	379.08111
##	47	-77.37249	-743.9666	-452.0594	210.1779	-706.9336	924.6971	434.55439
##	48	3297.15108	-750.9115	-703.0055	-306.6917	-1399.8210	461.9830	309.55457
##	49	-618.74000	-537.9931	-470.3404	-450.6993	-710.3986	511.7159	1031.11461
##	41	-161.47490	-712.1741	-448.1093	-522.5891	-1037.1769	-30.5710	391.48123
##	43	-118.38859	-676.3075	-457.3507	-248.9206	-486.8256	500.5856	-32.06905
##	44	-565.16104	-703.7899	-535.6172	-340.1732	-853.7818	209.7972	648.40990
##	45	-14.82848	-536.9561	-431.6342	-337.5168	-962.7254	453.5177	628.30724
##	46	-40.67620	-614.3178	-454.5980	-411.8561	-832.5266	-243.1380	128.04193
##	70	-548.93951	-632.0642	-472.5547	-497.2674	-679.2431	-178.2483	118.30463
##	72	-745.43371	-823.8075	-383.5312	-519.5328	-1137.3026	148.9495	695.26084
##	68	-281.16798	-874.6231	-741.5320	-708.8047	-1337.1690	-211.3497	421.37814
##		D86964_at	D86965_at	D86966_at	D86967_at	D86968_at	D86969_at	D86970_at
##	39	421.954951	1357.4849	1305.9878	5653.198	-2586.3316	-588.6748	1705.0900
##	40	-489.956882	484.3049	2372.9447	1838.598	-1565.5603	-367.8863	1239.7608
##	42	-103.145852	2799.1460	999.7251	5851.018	-1223.8770	-645.6512	1830.2271
##	47	-9.841708	3185.8891	2329.7730	1963.800	-868.1361	-508.6981	1830.9166

## 48	150.593529	368.3484	1019.4354	2761.474	-1436.8393	178.9017	5851.4154
## 49	430.969083	4719.2816	1797.1185	2231.406	-3442.6975	-527.0814	2288.1467
## 41	465.961040	2088.7180	1134.0223	1727.604	-838.5640	-373.6295	2208.3371
## 43	-314.186555	2782.7899	1020.6082	3667.039	-1324.7567	-533.1434	702.6997
## 44	23.443590	2593.7596	180.2533	10375.158	-876.5079	-481.0747	1152.9282
## 45	-254.603818	3153.7914	193.5744	4016.534	-834.9946	-644.5189	1916.8196
## 46	98.797450	2238.1433	672.4391	1630.758	-891.0156	-360.1159	3236.9547
## 70	349.705795	1850.4435	1371.9148	1733.620	-589.3786	-546.6929	107.0716
## 72	305.697032	1451.3373	720.6171	8940.644	-1861.1076	-482.6510	895.8055
## 68	-113.167820	1422.8336	139.9233	3478.108	-1393.8963	-656.4411	1311.5608
##	D86971_at	D86972_at	D86973_at	D86975_at	D86976_at	D86977_at	D86978_at
## 39	-1073.60547	-335.48096	-112.327036	-1062.8769	2327.3461	291.0666	-86.57851
## 40	-897.62670	-144.47398	-374.795915	-395.5249	1166.0578	786.0266	233.25399
## 42	-844.34655	30.80608	10.713291	-882.2996	517.4981	300.9425	-152.26156
## 47	14.12083	234.14046	1029.260932	-807.1406	970.4438	173.1449	541.29659
## 48	-38.85319	-88.93680	1326.469707	-916.4052	2733.1660	516.4217	1352.60029
## 49	-1463.30842	-99.34133	620.833303	-924.2686	2488.9226	561.9099	315.30467
## 41	102.58987	131.93040	407.279981	-527.1030	3576.0572	985.0627	366.65463
## 43	-762.62707	-223.65631	54.250484	-672.0968	1081.6635	342.6841	140.57002
## 44	-308.35670	-10.64548	9.807961	-528.7994	1271.1036	1055.2061	609.77562
## 45	-91.01878	130.82943	410.940809	-223.2313	1822.7021	88.2525	-48.44185
## 46	-756.04107	-69.92068	397.990932	-686.3042	3583.3892	823.1606	-171.15156
## 70	-800.56020	-196.22123	-164.768644	-539.9531	909.1125	450.8034	-274.85269
## 72	-533.36348	31.38879	372.545259	-842.2484	3532.8528	1183.9444	172.00058
## 68	312.28713	283.92346	408.287215	-929.1686	5729.7468	1178.4698	364.65081
##	D86979_at	D86980_at	D86981_at	D86982_at	D86983_at	D86984_at	D86985_at
## 39	1104.2910	-644.4633	-762.4774	1.395636	1254.49074	-1011.3799	-758.185984
## 40	1048.5936	-542.9309	-370.1895	-130.654667	8089.53512	-872.2913	-632.756480
## 42	419.2667	-788.5332	-596.5355	-719.324748	200.47853	-1118.9480	-239.330319
## 47	957.3733	-776.6428	-434.6321	-288.678475	184.03698	-1347.3868	-256.002292
## 48	882.2498	-1016.5725	-256.6080	-422.101721	444.56257	-1452.0822	41.716105
## 49	526.9924	-566.3637	-684.2104	-354.675966	415.69265	-978.8273	-841.339428
## 41	321.5154	-813.7374	-567.7284	-80.224199	-77.96724	-834.0501	107.103796
## 43	626.9069	-465.7721	-375.2418	14.248749	125.83254	-737.3628	-339.450809
## 44	355.2439	-671.9735	-592.4323	-321.992333	2514.21840	-1206.0356	9.807961
## 45	238.3922	-725.1909	-684.8549	-225.472235	702.25664	-1245.0776	-548.160539
## 46	285.5122	-580.5742	-402.8578	-229.640508	712.93144	-810.0309	-351.117561
## 70	493.4890	-443.3487	-542.1997	-355.730772	724.89021	-721.9287	-463.568209
## 72	780.5500	-777.7053	-782.3155	-574.855479	1342.99711	-1197.2355	-289.021679
## 68	1165.3788	-970.6232	-787.3503	-396.804450	482.46910	-1149.5324	-200.440629
##	D87009_cds3_at	D87011_at	D87012_at	D87023_cds2_at	D87024_at	D87071_at	
## 39	-856.8887	-871.9087	-1290.3223	1067.81390	1074.25103	-1058.585495	
## 40	-1028.9102	-874.5945	-1505.6766	182.58316	737.65902	214.828233	
## 42	-871.1369	-955.9732	-1726.1968	-201.37727	-417.93290	716.193476	
## 47	-600.1914	-1068.5501	-835.4599	408.41344	184.03698	719.926393	
## 48	-1219.0845	-1436.8393	-1321.4292	-86.75926	-391.61604	48.248751	
## 49	-695.1222	-1092.3094	-2227.1300	769.23292	769.23292	-3.318042	
## 41	-881.4463	-825.0223	-1407.3189	262.83430	82.27719	815.790429	
## 43	-747.8896	-1072.1142	-1259.4907	-722.62533	-400.50609	191.098528	
## 44	-967.4121	-1067.4067	-1276.4863	23.44359	-60.64279	139.346432	
## 45	-911.1849	-1182.3327	-940.3165	47.91647	-205.30422	1793.570556	
## 46	-513.0870	-722.2974	-873.0190	-60.92238	123.54278	1329.315005	
## 70	-787.0805	-780.3407	-953.3299	-533.21322	23.94687	-901.657796	
## 72	-929.8426	-1121.1669	-1519.9511	720.61706	252.67947	-740.823491	

## 68	-937.8959	-1182.2597	-2168.4425	-532.07730	-451.34996	373.378092
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## 39	280.338039	-500.70069	291.066593	1.395636	-638.0262	-303.2953
## 40	452.059824	-565.96312	-469.227908	491.214552	-522.2020	240.1636
## 42	1.783162	-491.60646	-538.489637	48.666339	-442.4908	-596.5355
## 47	92.543667	-434.63210	-81.729312	1253.637393	-401.9559	892.0210
## 48	-382.905848	-1075.36626	-319.756942	1389.618613	-280.5611	2190.9565
## 49	350.222230	-359.04066	-516.169671	1812.394961	-708.2162	201.8226
## 41	-229.183810	-574.49927	183.840565	463.704076	-254.0104	1278.4680
## 43	-86.808268	43.72371	-411.032863	-371.031127	-371.0311	151.0968
## 44	-56.097577	-299.26629	-6.100272	-776.513283	-535.6172	475.6919
## 45	126.347652	-554.88321	-17.069372	384.050117	-637.7962	142.0339
## 46	-99.165155	-198.14646	-398.358637	656.692063	-454.5980	-535.5827
## 70	-101.863472	-167.01526	-515.240314	-259.126401	-445.5953	-418.6359
## 72	-90.782109	-844.55350	-630.178150	-328.208571	-597.9066	-952.8937
## 68	-128.440562	-909.53220	-392.440810	914.469509	-355.3499	1141.3788
##	D87116_at	D87119_at	D87120_at	D87127_at	D87258_at	D87292_at
## 39	389.7693	-283.98390	-809.68304	-153.09554	-603.6948	881.1371
## 40	-225.0867	-252.72529	-506.07942	-331.03475	-220.4802	532.6725
## 42	10289.2917	171.45561	-746.11513	-330.86414	-569.7451	276.3846
## 47	682.8934	-752.68028	-589.29936	81.65161	-123.1191	626.2547
## 48	655.7848	-977.37658	-814.06045	93.97727	-400.3262	1280.7412
## 49	612.1039	791.05640	-487.79916	-505.25793	-343.7642	1116.2262
## 41	188.3545	-46.36974	-353.31682	-211.12810	-504.5334	1215.2730
## 43	1466.9434	-147.86355	18.45946	-15.22621	-482.6149	407.9500
## 44	293.8836	-571.97886	-387.89787	-346.99098	-403.8061	1291.5570
## 45	231.6695	-368.88926	-438.35688	-389.05728	-209.7860	505.0582
## 46	715.1810	-384.86119	-621.06657	-497.33994	-531.0836	1156.0977
## 70	1481.9989	812.50813	172.22335	-400.66304	-405.1563	677.7113
## 72	1608.0849	-100.00255	-641.70371	-549.49925	-491.8715	-196.8172
## 68	1479.5609	-774.25935	-700.07746	-601.89555	-793.8957	2409.0164
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## 39	-1187.3281	-1974.8040	-185.2812	664.42027	-391.2694	2269.41194
## 40	-506.0794	-586.6921	-374.7959	-195.14481	-86.8935	984.10349
## 42	-1147.9709	-1384.6194	-516.1643	-469.28114	-167.8893	1946.31874
## 47	-513.0549	-380.1718	-197.1852	88.18684	-325.7115	1597.82653
## 48	-1439.0169	-657.2770	-215.2346	509.88903	-574.5301	1746.73656
## 49	-943.9098	-1249.4384	-337.2172	1018.02052	-302.2996	1762.20097
## 41	-648.9791	-1407.3189	-217.8990	140.95825	159.0140	253.80644
## 43	-870.0001	-964.7411	-244.7099	-177.33851	176.3610	454.26784
## 44	-924.2326	-937.8682	-335.6280	330.24523	-231.0881	607.50301
## 45	-754.3225	-1372.8084	-577.2921	-256.84471	-534.7152	617.10278
## 46	-506.3382	-528.8340	-281.3807	231.52238	-308.3756	985.13002
## 70	-647.7905	-1070.1538	-306.3053	-730.91519	-411.8961	44.16639
## 72	-759.2644	-1342.4575	-125.3588	453.22415	-653.2293	1506.66001
## 68	-678.2593	1401.0154	-407.7136	-540.80459	-479.7136	578.46919
##	D87440_at	D87442_at	D87443_at	D87444_at	D87445_at	D87446_at
## 39	-614.4234	1378.94196	-547.90633	-655.19187	-247.506816	-434.183655
## 40	-846.9559	2126.50028	-641.96936	-126.04823	-119.138570	30.570687
## 42	-690.3018	-74.12293	-531.79204	-538.48964	-417.932897	-308.538818
## 47	-521.7686	600.11372	-661.18697	-351.85243	-5.484884	-181.936275
## 48	-726.9585	1687.94275	-1142.87027	-800.99516	-352.420169	4.697781
## 49	-978.8273	-688.57511	-1149.05041	-544.54019	-112.435410	-537.993145
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## 49 -127.711841 -625.28704 -62.24142 -487.79916 1506.8663 110.164021
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## 39 198.8010 78.64122 -438.47508 492.76341 -886.9286 -474.9522 -86.578506

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## 72 -567.9401 4256.658 -754.6541590 -487.2612 -823.8075 215.79769 1283.0642
## 68 -1014.2596 3947.200 -833.1684965 -673.8956 -800.4412 2179.92524 1881.0159
## D90097_at D90209_at D90224_at D90276_at D90282_at D90359_at H46990_at
## 39 -721.7089 4294.963 -871.9087 411.22640 -584.3834 -680.9404 -464.2236
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## HG1019-HT1019_at HG1071-HT1071_at HG1078-HT1078_at HG1098-HT1098_at
## 39 -1000.6513 -50.10142 2529.043 -1058.5855
## 40 774.5105 67.42220 4586.339 -727.1885
## 42 -1056.4371 -623.32586 5710.368 -781.8357
## 47 -702.5768 -223.32611 2741.493 -730.8962

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## 48	-1436.8393	-596.30560	4669.007	-1308.3640
## 49	378.5927	238.92252	11912.299	-1317.0912
## 41	-186.3015	-527.10303	2806.433	-944.6413
## 43	-1051.0606	-476.29885	2530.147	-672.0968
## 44	-960.5943	-299.26629	2666.483	-906.0518
## 45	-2006.9806	-561.60589	1280.407	-956.0027
## 46	-657.0598	-321.87309	2888.271	-711.0496
## 70	-1031.9614	-389.42997	2883.886	-724.1753
## 72	-1517.6460	-385.83635	4282.014	-1296.3553
## 68	-366.2590	-662.98652	2203.925	-1012.0778
##	HG1102-HT1102_at	HG1103-HT1103_at	HG1111-HT1111_at	HG1112-HT1112_at
## 39	52.89270	-526.4492	-644.4633	1773.7527
## 40	-24.70658	-418.5571	-275.7575	1732.6498
## 42	-217.00500	-612.1632	-263.8882	1968.6441
## 47	-136.18962	-334.4251	-417.2048	2907.0523
## 48	266.00360	-605.0158	-594.1281	6942.3672
## 49	-81.88255	-725.6750	-348.1289	2977.7685
## 41	-17.02921	-493.2486	-547.4157	4350.1957
## 43	151.09679	-497.3524	-375.2418	3121.7520
## 44	-133.36614	-528.7994	-681.0639	4098.2239
## 45	-97.74145	-534.7152	-599.7010	3734.1822
## 46	-447.84929	-522.0853	-366.8646	816.4119
## 70	-191.72800	-432.1156	-265.8662	2895.1186
## 72	148.94946	-699.3315	-1003.6062	1986.1232
## 68	-318.25892	-470.9863	-793.8957	3556.6538
##	HG1116-HT1116_at	HG1139-HT4910_at	HG1148-HT1148_at	HG1153-HT1153_at
## 39	181.63534	-507.1378	-1052.1484	2979.642
## 40	714.62683	-612.0275	-1148.6776	8681.462
## 42	-31.70482	-627.7909	-846.5791	2535.707
## 47	467.23057	-550.0879	-669.9006	7191.989
## 48	-313.22430	-877.2094	-1258.2803	9132.981
## 49	1578.88379	-551.0872	-1330.1852	5358.709
## 41	989.57664	-648.9791	-721.2019	6325.039
## 43	1203.77405	-562.6184	-874.2109	2742.788
## 44	552.96050	-521.9816	-826.5106	2257.414
## 45	760.51980	-720.7091	-615.3873	7588.515
## 46	487.97393	-841.5249	-780.7864	4217.769
## 70	1690.93392	-477.0479	-863.4654	6154.954
## 72	49.82968	-556.4146	-1407.0007	3157.120
## 68	316.65077	-1012.0778	-1171.3506	9366.841
##	HG1155-HT4822_at	HG1205-HT1205_at	HG142-HT142_at	HG1602-HT1602_at
## 39	4247.7573	-423.45510	-603.6948	881.13706
## 40	2997.1172	438.24051	-1157.8905	1027.86466
## 42	2721.0074	280.84969	-926.9502	82.15432
## 47	2358.0924	35.90495	-894.2771	713.39116
## 48	2190.9565	-559.28727	-1219.0845	187.61185
## 49	6332.0363	428.78674	-1135.9563	1607.25431
## 41	1190.4464	-109.56473	-1021.3781	-48.62671
## 43	2321.7173	237.41633	-743.6789	-72.07079
## 44	1514.2723	-262.90461	-785.6037	316.60960
## 45	1993.0099	-209.78600	-790.1768	415.42259
## 46	618.4493	-38.42663	-814.5300	-168.90198
## 70	1207.9121	80.11220	-672.5032	-144.54912
## 72	2760.6406	-399.66702	-1012.8266	264.20503

## 68	1274.4698	-479.71362	-1228.0780	48.28688
##	HG1604-HT1604_at	HG1612-HT1612_at	HG1614-HT1614_at	HG1649-HT1652_at
## 39	-1281.7394	8075.705	5114.624	2357.38609
## 40	-1208.5613	3054.698	1041.684	4367.53268
## 42	-2070.0067	7308.861	2115.991	3357.27910
## 47	-772.2860	4647.604	4248.954	3235.99253
## 48	-1532.6514	14825.093	5209.039	2711.39054
## 49	-1574.6081	5389.262	5336.886	6711.76478
## 41	-1332.8391	6943.447	10793.827	1357.46174
## 43	-895.2644	4214.431	3601.773	995.34395
## 44	-1401.4796	10963.763	6095.843	1123.38429
## 45	-1702.2194	5305.047	4713.452	70.32538
## 46	-803.2821	4759.917	4739.671	355.24901
## 70	-1092.6199	3423.073	7514.156	1169.71964
## 72	-1879.5485	10925.345	4106.826	2188.97295
## 68	-1500.8055	9460.659	9458.478	982.10594
##	HG172-HT3924_at	HG1723-HT1729_at	HG1733-HT1748_at	HG174-HT174_at
## 39	136.57542	554.98902	-526.4492	-659.4833
## 40	-179.02227	730.74936	-662.6983	-1109.5229
## 42	-491.60646	39.73621	-308.5388	-770.6730
## 47	-210.25563	393.16456	-247.2886	-521.7686
## 48	-620.25863	24.29572	-1349.7374	-1134.1601
## 49	127.62280	1856.04191	-164.8117	-703.8515
## 41	-527.10303	-190.81543	-547.4157	-827.2792
## 43	-899.47511	151.09679	-143.6528	-697.3611
## 44	-1283.30414	-406.07871	-646.9748	-671.9735
## 45	-675.89133	-259.08560	-743.1181	-691.5776
## 46	-353.36714	-220.64221	-274.6320	-531.0836
## 70	-189.48139	-173.75510	-211.9475	-596.1184
## 72	29.08368	254.98458	-261.3603	-1164.9640
## 68	-654.25924	-185.16789	-900.8049	-1033.8960
##	HG180-HT180_at	HG1800-HT1823_at	HG1804-HT1829_at	HG1828-HT1857_at
## 39	-805.3916	30365.35	887.57419	-453.49505
## 40	-770.9496	44215.53	385.26646	104.27371
## 42	-420.1654	46601.43	363.45338	-208.07487
## 47	-192.8283	46235.67	251.56776	-406.31274
## 48	-587.5954	45866.05	157.12617	-417.74662
## 49	-767.1396	36441.88	1389.01957	-125.52949
## 41	-863.3906	41680.38	107.10380	-486.47768
## 43	-491.0363	34931.55	-51.01724	94.25222
## 44	-674.2461	39905.38	573.41394	-460.62122
## 45	-664.6869	37114.49	345.95497	-232.19491
## 46	-688.5538	31937.03	485.72436	-609.81869
## 70	-596.1184	38701.64	870.92007	-319.78496
## 72	-703.9417	45665.68	510.85194	-473.43058
## 68	-641.1683	40320.32	235.92342	-684.80472
##	HG1862-HT1897_at	HG1869-HT1904_at	HG1872-HT1907_at	HG1879-HT1919_at
## 39	4067.518	265.3181	3224.2532	100.098333
## 40	3614.380	1622.0952	2276.2095	125.002679
## 42	9811.530	742.9839	1475.2544	8.480759
## 47	6771.556	1131.6463	1693.6767	-5.484884
## 48	21116.030	3813.2301	2744.0538	237.695468
## 49	5657.691	869.6209	4882.9577	-25.141515
## 41	3433.868	1039.2298	632.9764	-265.295231

## 43	3252.284	454.2678	1730.1127	-202.602766
## 44	3750.515	2191.5085	5225.4359	-201.544281
## 45	4478.158	623.8255	713.4611	-333.035003
## 46	6442.599	1205.5884	1923.2028	143.788951
## 70	5141.732	976.5109	432.8305	163.236894
## 72	10224.591	148.9495	2984.2363	89.016571
## 68	8051.203	859.9240	1342.1063	-193.895169
##	HG2028-HT2082_at	HG2036-HT2090_at	HG2059-HT2114_at	HG2152-HT2222_at
## 39	147.30397	-434.1837	1275.9478	-1461.9791
## 40	788.32985	-308.0026	1281.2188	-2449.9965
## 42	-266.12071	-571.9776	926.0515	-618.8608
## 47	297.31442	-343.1388	695.9639	-1724.2521
## 48	-221.76726	-223.9448	1295.9840	-2009.5346
## 49	1447.94295	-468.1580	1498.1369	-3490.7091
## 41	-28.31403	-504.5334	540.4408	-1693.9533
## 43	-15.22621	-541.5648	245.8377	-1897.4131
## 44	68.89568	-624.2488	993.8458	-1715.0990
## 45	-279.25362	-666.9278	1874.2426	-1540.8753
## 46	-76.66940	-564.8272	1293.3218	-1190.2091
## 70	-18.73878	-389.4300	551.9010	-1371.2000
## 72	-226.78367	-595.6015	833.5675	-1489.9847
## 68	-772.07753	-828.8049	1195.9243	-2089.8970
##	HG2161-HT2231_at	HG2167-HT2237_at	HG2188-HT2258_at	HG2190-HT2260_at
## 39	-1721.610	374.74931	-783.9345	-3466.073
## 40	-5508.672	1820.17211	-1812.0048	-2707.957
## 42	-6823.068	314.33767	-1462.7580	-2536.606
## 47	-3192.502	-164.50898	-926.9533	-2360.349
## 48	-5561.116	-145.55306	-1134.1601	-3483.735
## 49	-4605.889	282.56946	-1317.0912	-3425.239
## 41	-2307.847	490.78764	-1025.8920	-2027.984
## 43	-6202.863	226.88955	-1303.7032	-3415.374
## 44	-2355.974	550.68789	-1171.9465	-2292.341
## 45	-3550.954	-10.34670	-920.1484	-2300.537
## 46	-2087.790	51.55637	-841.5249	-1691.864
## 70	-3035.940	89.09866	-1092.6199	-2570.891
## 72	-2753.186	5980.88102	-1026.6573	-2303.689
## 68	-6322.628	966.83319	-1688.4420	-2949.534
##	HG2191-HT2261_at	HG2228-HT2305_at	HG2229-HT2306_at	HG2247-HT2332_at
## 39	-1597.1589	-2363.178	-1084.334	-434.18365
## 40	-572.8728	-1595.502	-1528.709	-1141.76795
## 42	-2023.1236	-2132.518	-1400.247	-442.49075
## 47	-948.7374	-2606.509	-1014.090	-173.22263
## 48	-1611.0432	-2534.324	-1774.359	-761.79928
## 49	-2307.8769	-4560.059	-1923.784	105.79933
## 41	-1481.7987	-2506.460	-1224.505	-267.55219
## 43	-1137.3802	-1659.508	-1440.551	-46.80653
## 44	-1258.3055	-3126.387	-1206.036	189.34374
## 45	-1267.4866	-2600.817	-1287.655	428.86794
## 46	-1025.9901	-2618.689	-1149.717	-238.63881
## 70	-1663.2597	-2227.160	-1121.826	64.38591
## 72	-1600.6300	-1243.338	-1450.798	-561.02481
## 68	-1958.9877	-3806.989	-1607.715	-998.98683
##	HG2261-HT2352_at	HG2264-HT2360_at	HG2274-HT2370_at	HG2279-HT2375_at
## 39	-1425.5020	243.86096	-603.694807	5393.567

## 40	-1625.4440	495.82099	-3.977603	4093.450
## 42	-1190.3890	-259.42311	292.012352	4844.146
## 47	-1210.1469	-151.43850	179.680157	5961.186
## 48	-1558.7820	-650.74431	930.155884	9300.652
## 49	-1009.3802	727.76832	291.298852	5201.580
## 41	-1199.6782	16.82524	502.072461	8051.616
## 43	-1703.7205	-86.80827	18.459458	4608.132
## 44	-640.1570	30.26140	1312.010484	13688.616
## 45	-1018.7476	339.23230	-5.864917	5517.931
## 46	-580.5742	-168.90198	544.213311	7153.465
## 70	-1586.8748	-268.11285	419.350806	4667.696
## 72	-1139.6077	-448.07436	-245.224565	3887.840
## 68	-1358.9872	-466.62270	661.378362	10291.933
##	HG2280-HT2376_at	HG2290-HT2386_at	HG2309-HT2405_at	HG2314-HT2410_at
## 39	1994.7610	784.58007	-831.1402	1063.5225
## 40	1665.8564	30.57069	-911.4460	-833.1366
## 42	736.2863	153.59535	-741.6501	-1199.3192
## 47	1295.0272	-168.86580	-1014.0898	-1242.8230
## 48	747.2418	-670.34225	-1325.7843	-1378.0455
## 49	4228.2535	526.99237	-1338.9146	-1901.9602
## 41	1041.4868	-353.31682	-585.7841	-1052.9756
## 43	418.4768	226.88955	-783.6806	-712.0986
## 44	998.3910	21.17099	-965.1395	-1017.4094
## 45	995.8134	-73.09165	-805.8630	-445.0796
## 46	553.2116	-715.54872	-708.8000	-1091.2278
## 70	960.7846	32.93332	-654.5303	-211.9475
## 72	1663.4076	-109.22300	-879.1302	-1423.1364
## 68	859.9240	-621.53193	-1020.8050	-1108.0778
##	HG2320-HT2416_at	HG2325-HT2421_at	HG2339-HT2435_at	HG2415-HT2511_at
## 39	1503.39319	2041.96660	-1431.9392	-20.061472
## 40	901.18759	-31.61624	-1549.4378	228.647549
## 42	412.56909	566.61382	-1165.8312	-384.444913
## 47	214.53475	1011.83363	-1022.8034	225.426814
## 48	1147.91073	1137.02299	-1809.2001	-343.709976
## 49	2694.06329	2502.01673	-1450.2143	-468.158029
## 41	-53.14063	420.82176	-1289.9568	-303.663615
## 43	645.85510	525.84990	-794.2074	205.836009
## 44	257.52188	671.13594	-756.0598	316.609603
## 45	531.94892	713.46109	-1312.3044	-415.947970
## 46	319.25581	406.98923	-949.5045	-4.683003
## 70	342.96596	493.48904	-784.8339	-196.221230
## 72	1020.28153	1294.58977	-1584.4942	-625.567927
## 68	-121.89510	955.92409	-1978.6241	-593.168271
##	HG2416-HT2512_at	HG2417-HT2513_at	HG2442-HT2538_at	HG2460-HT2556_at
## 39	-934.1343	-288.2753	943.3627	-584.3834
## 40	-922.9621	-556.7502	357.6278	-413.9506
## 42	-902.3924	-411.2353	-429.0956	-676.9066
## 47	-798.4269	-443.3457	-554.4448	-604.5483
## 48	-977.3766	-563.6424	-652.9219	-1031.8153
## 49	-978.8273	-1059.5742	502.9865	-433.2405
## 41	-565.4714	-718.9450	-551.9296	-635.4373
## 43	-457.3507	-632.0951	-486.8256	-541.5648
## 44	-576.5241	-542.4350	-394.7157	-756.0598
## 45	-584.0148	-498.8609	-599.7010	-826.0310

## 46	-666.0581	-558.0785	-402.8578	-607.5691
## 70	-400.6630	-526.4734	-470.3080	-432.1156
## 72	-973.6397	-1049.7084	-127.6639	-763.8746
## 68	-924.8049	-1025.1687	-542.9864	-1053.5323
##	HG2463-HT2559_at	HG2480-HT2576_at	HG2492-HT2588_at	HG2507-HT2603_at
## 39	917.61414	529.24049	-1311.7794	-1322.5079
## 40	627.10449	378.35681	-2182.8231	-605.1178
## 42	539.82343	129.03750	-1683.7787	-1069.8323
## 47	68.58113	-517.41176	-811.4974	-985.7704
## 48	30.82836	-517.91385	-1480.3903	-1249.5701
## 49	618.65096	970.00888	-2759.6228	-1535.3259
## 41	66.47845	-129.87740	-1594.6469	-597.0689
## 43	778.49244	170.04498	-1886.8864	-541.5648
## 44	482.50975	209.79718	-1894.6348	-571.9789
## 45	-84.29610	209.26062	-1666.3651	-465.2476
## 46	78.55127	-63.17195	-1286.9408	-463.5963
## 70	558.64083	163.23689	-1921.6202	-488.2810
## 72	1130.92687	-180.68145	-929.8426	-833.0279
## 68	438.83270	-261.53160	-1976.4423	-1385.1690
##	HG2525-HT2621_at	HG2530-HT2626_at	HG2538-HT2634_at	HG2566-HT4867_at
## 39	218.11243	-831.1402	-299.00387	5947.160
## 40	2036.67472	-729.4917	-344.85406	3245.865
## 42	314.33767	-636.7211	-596.53548	3218.862
## 47	301.67124	-539.1959	-192.82834	2878.733
## 48	-395.97114	-1182.0661	-777.04212	2476.215
## 49	553.18053	-692.9398	-424.51108	7999.350
## 41	-267.55219	-678.3196	-441.33841	3038.900
## 43	-425.77034	-625.7790	-406.82215	3319.655
## 44	-396.98829	-1635.5579	-349.26359	3839.147
## 45	-749.84073	-1926.3085	70.32538	3967.235
## 46	76.30170	-659.3093	-603.06997	1893.958
## 70	-198.46784	-652.2837	-418.63594	3265.810
## 72	29.08368	-1008.2164	-549.49925	2661.521
## 68	-464.44088	-1027.3505	-774.25935	2520.289
##	HG2573-HT2669_at	HG25930-HT26386_at	HG2602-HT2698_at	HG2604-HT2700_at
## 39	-474.9522	-1586.4303	-839.72299	-820.4116
## 40	-432.3764	-172.1126	-220.48022	-1360.5738
## 42	-596.5355	-587.6053	-1230.57463	-1473.9206
## 47	-375.8150	-554.4448	-380.17179	-1521.6598
## 48	-798.8176	-1425.9516	-1090.60910	-1066.6561
## 49	-215.0057	633.9274	-575.09305	-1207.9738
## 41	-335.2611	-486.4777	-509.04732	-1012.3502
## 43	-202.6028	-1213.1729	-501.56311	-1046.8499
## 44	-496.9829	-1740.0977	-558.34323	-396.9883
## 45	-261.3265	-3367.2014	-539.19698	-834.9946
## 46	-384.8612	-679.5555	47.05722	-927.0088
## 70	-279.3459	-546.6929	-250.13995	-885.9315
## 72	-648.6190	-1683.6140	-918.31706	-1121.1669
## 68	-446.9863	-1487.7146	-1411.35086	-1094.9869
##	HG2614-HT2710_at	HG2662-HT2758_at	HG2663-HT2759_at	HG2668-HT2764_at
## 39	209.529583	-2165.772	-547.9063	1415.41905
## 40	-126.048228	-1602.412	-692.6402	1331.88961
## 42	-522.861912	-2797.812	-589.8379	638.05485
## 47	-9.841708	-1022.803	-571.8721	288.60077

## 48	-361.130363	-2270.840	-711.7157	313.90966
## 49	625.197998	-3228.827	-147.3530	1799.30088
## 41	-285.607905	-1443.430	-648.9791	-30.57100
## 43	-787.891320	-2611.128	-400.5061	256.36452
## 44	-215.179909	-1771.914	-278.8128	896.12381
## 45	-348.721240	-2293.815	260.8011	426.62705
## 46	-175.650707	-1597.382	-544.5810	29.06062
## 70	-216.440749	-1930.607	-533.2132	194.68948
## 72	65.965459	-1284.830	-796.1462	822.04196
## 68	-885.532182	-1799.715	-905.1686	242.46888
##	HG2686-HT2782_at	HG2689-HT2785_at	HG270-HT270_at	HG2706-HT2802_at
## 39	-919.1143	-1146.5596	-1674.4045	-949.1542
## 40	-1033.5166	-1063.4585	-927.5686	-780.1625
## 42	-540.7222	-1371.2242	-1045.2745	-1002.8563
## 47	-543.5527	-743.9666	-1031.5171	-776.6428
## 48	-855.4339	-1894.1245	-1434.6618	-1386.7557
## 49	-959.1862	-1491.6789	-1587.7022	-915.5392
## 41	-858.8767	-865.6476	-994.2945	-743.7716
## 43	-600.5148	-1015.2696	-1219.4890	-838.4198
## 44	-1283.3041	-1206.0356	-708.3351	-585.6145
## 45	-980.6525	-2222.1061	-839.4764	-554.8832
## 46	-679.5555	-864.0207	-814.5300	-870.7694
## 70	-755.6279	-762.3678	-778.0941	-645.5439
## 72	-641.7037	-1294.0502	-992.0806	-1093.5055
## 68	-996.8050	-1505.1691	-1291.3507	-1062.2596
##	HG2707-HT2803_at	HG2709-HT2805_at	HG2714-HT2810_at	HG2715-HT2811_at
## 39	-1953.3469	-365.5209	-419.1637	1462.62469
## 40	-1908.7400	249.3765	-1157.8905	265.49906
## 42	-1476.1532	-190.2146	-868.9044	1129.21194
## 47	-931.3101	-613.2619	-347.4956	329.99060
## 48	-1774.3593	-395.9711	-1044.8806	1021.61292
## 49	-2052.5422	-289.2055	-747.4985	2320.88190
## 41	-1118.4275	-346.5459	-707.6601	-10.25832
## 43	-1086.8517	-253.1313	-457.3507	226.88955
## 44	-1133.3122	-217.4525	-633.3392	237.06844
## 45	-2103.3389	-552.6423	-678.1322	-209.78600
## 46	-1010.2431	-243.1380	-589.5725	267.51558
## 70	-697.2160	-490.5276	-443.3487	482.25598
## 72	-1317.1013	-579.4657	-733.9082	752.88862
## 68	-1452.8054	-654.2592	-1308.8053	321.01441
##	HG2723-HT2819_at	HG2724-HT2820_at	HG2755-HT2862_at	HG2788-HT2896_at
## 39	-721.7089	-247.50682	-959.8828	192.3639
## 40	-925.2653	-3834.23135	-966.7233	5210.5110
## 42	-964.9033	19.64342	-810.8586	2033.3875
## 47	-807.1406	-1118.65354	-918.2396	2170.7489
## 48	-1216.9069	-1711.21042	-1532.6514	1494.1409
## 49	-961.3685	-4247.98365	-1096.6741	3558.2728
## 41	-1120.6845	-2470.34886	-752.7994	477.2459
## 43	-935.2661	-1830.04180	-899.4751	2113.2872
## 44	-874.2353	-2142.34874	-2780.9507	280.2479
## 45	-1195.7780	-164.96818	-3275.3249	894.9733
## 46	-805.5317	130.29150	-841.5249	393.4918
## 70	-771.3542	399.13129	-901.6578	1086.5949
## 72	-957.5040	-1566.05333	-1049.7084	1626.5258

## 68	-966.2595	-1476.80546	-1129.8960	2803.9258
##	HG2796-HT2904_at	HG2810-HT2921_at	HG2825-HT2949_at	HG2855-HT2995_at
## 39	-277.54677	-365.52091	-1080.0426	866.1171
## 40	-40.82911	44.39000	484.3049	2605.5699
## 42	-683.60423	-223.70259	-609.9307	1861.4825
## 47	-168.86580	-343.13878	-371.4581	4869.8017
## 48	-781.39722	-800.99516	152.7711	9553.2479
## 49	262.92834	494.25716	1212.2494	3639.0197
## 41	-391.68520	201.89628	-267.5522	5214.6129
## 43	-406.82215	-244.70986	-415.2436	3879.6796
## 44	-203.81689	-90.18665	384.7877	3232.3615
## 45	-261.32649	-79.81432	296.6554	7285.9944
## 46	-330.87139	-402.85779	-135.1584	2411.3606
## 70	-324.27819	-317.53835	-234.4137	3155.7258
## 72	-616.34748	-404.27724	-1058.9288	1718.7303
## 68	-774.25935	323.19623	-634.6229	4527.5638
##	HG2873-HT3017_at	HG2874-HT3018_at	HG2936-HT3080_at	HG2992-HT5186_at
## 39	43494.95	924.0512764	192.3639	-1380.4421
## 40	49651.13	0.6288352	-413.9506	-213.5706
## 42	53314.65	314.3376746	-199.1447	-190.2146
## 47	52529.10	-44.6963040	-702.5768	-325.7115
## 48	48537.90	1302.5166740	-920.7603	-474.3629
## 49	50430.73	5.4113478	-461.6110	583.7334
## 41	52166.23	770.6511532	-599.3259	-732.4867
## 43	41030.77	839.5477172	-389.9793	-183.6546
## 44	49561.68	971.1197716	-335.6280	-701.5173
## 45	58983.35	182.3699268	-203.0633	-749.8407
## 46	35752.31	881.6495690	-389.3603	-274.6320
## 70	53715.76	-88.3837927	-108.6033	-234.4137
## 72	51504.52	388.6810385	-127.6639	-254.4450
## 68	48447.61	325.3780467	-820.0776	-926.9868
##	HG3039-HT3200_at	HG3063-HT3224_at	HG3088-HT3263_at	HG3104-HT3280_at
## 39	3155.5905	-1202.3481	-82.28708	-2633.537
## 40	606.3755	-1332.9352	-287.27358	-3928.663
## 42	3750.2048	-989.4611	-288.44603	-2143.680
## 47	3556.2191	-1247.1799	-639.40285	-1957.342
## 48	1738.0264	-1643.7064	-526.62405	-3821.255
## 49	5952.3079	-1227.6149	-140.80593	-5160.205
## 41	3314.2494	-1052.9756	-267.55219	-2677.990
## 43	2610.1509	-1143.6962	-198.39206	-3844.866
## 44	2223.3250	-794.6941	-12.91809	-2301.431
## 45	1912.3378	-1469.1667	184.61082	-2571.685
## 46	3144.7221	-697.5521	1014.37450	-2058.545
## 70	1670.7144	-780.3407	113.81140	-2876.431
## 72	1269.2335	-1609.8504	-519.53281	-1907.210
## 68	3334.1081	-1382.9872	-313.89528	-4509.536
##	HG3111-HT3111_at	HG3111-HT3287_at	HG3117-HT3293_at	HG3123-HT3299_at
## 39	14437.74	-897.6572	-1168.0167	-747.4574
## 40	12884.84	-736.4014	-1210.8645	-844.6527
## 42	15747.83	-788.5332	-962.6708	-435.7932
## 47	12520.39	-306.1058	-807.1406	-539.1959
## 48	22344.17	-970.8439	-1730.8084	-1264.8130
## 49	15244.74	-634.0164	-1332.3676	-369.9524
## 41	15668.87	-466.1650	-1256.1023	-378.1434

## 43	11749.49	-636.3058	-743.6789	-646.8326
## 44	16338.47	-1008.3190	-2819.5850	-467.4390
## 45	19913.42	-1016.5068	-3848.9930	-994.0978
## 46	12415.22	-580.5742	-861.7711	-443.3501
## 70	14880.80	-548.9395	-800.5602	-459.0750
## 72	18525.30	-842.2484	-1324.0166	-899.8762
## 68	23378.49	-811.3503	-998.9868	-800.4412
##	HG3132-HT3308_at	HG3137-HT3313_at	HG315-HT315_at	HG3162-HT3339_at
## 39	-515.7207	-663.7747	136.57542	421.954951
## 40	-644.2726	-777.8593	106.57692	1527.663250
## 42	-703.6970	-877.8345	-766.20792	354.523255
## 47	-639.4028	-674.2574	-356.20925	770.029875
## 48	-892.4522	-1134.1601	-465.65269	1058.631244
## 49	-616.5576	-1074.8506	736.49771	1607.254309
## 41	-646.7221	-707.6601	-396.19913	463.704076
## 43	-596.3041	-491.0363	-726.83604	-507.879170
## 44	-653.7926	-724.2434	-342.44578	630.229059
## 45	-640.0371	-424.9115	-32.75561	1161.639294
## 46	-479.3433	-686.3042	-643.56232	-2.433428
## 70	-497.2674	-578.1455	-173.75510	884.399753
## 72	-1019.7420	-920.6222	-385.83635	234.238582
## 68	-940.0777	-1070.9869	-1036.07778	-148.076944
##	HG3175-HT3352_at	HG3214-HT3391_at	HG3227-HT3404_at	HG3231-HT3408_at
## 39	16.4156116	64055.15	441.2663483	-112.32704
## 40	-1086.4906881	59750.74	-846.9558779	-40.82911
## 42	-589.8378787	50923.61	-225.9351251	-692.53436
## 47	-338.7819569	52470.29	72.9379572	-584.94254
## 48	-141.1979671	40293.70	-748.7339925	-805.35025
## 49	721.2212815	51229.47	1696.7305510	-84.06489
## 41	-64.4254526	49636.17	-265.2952308	-615.12462
## 43	-0.4887328	43035.06	-617.3576046	-676.30753
## 44	-412.8965227	46245.95	0.7175423	-308.35670
## 45	-95.5005572	38866.87	-272.5309463	-559.36499
## 46	-612.0682677	41005.07	98.7974498	-369.11416
## 70	-326.5247993	57184.53	-229.9204287	-596.11839
## 72	-639.3985948	46099.04	-279.8012343	-602.51681
## 68	-193.8951685	29452.68	-918.2594855	-1025.16868
##	HG3248-HT3425_at	HG3254-HT3431_at	HG3255-HT3432_at	HG3264-HT3441_at
## 39	-515.7207	52.89270	136.575416	-1011.37986
## 40	-303.3961	272.40872	380.660025	-236.60276
## 42	-819.7887	-442.49075	-65.192805	-1857.91619
## 47	-467.3083	-64.30201	-77.372488	-665.54379
## 48	-877.2094	-679.05244	-287.093715	-1384.57815
## 49	-476.8874	-105.88837	585.915745	276.02242
## 41	-592.5550	-592.55498	3.283461	-894.98813
## 43	-596.3041	-263.65805	-15.226214	-1587.92603
## 44	-585.6145	-446.98559	196.161551	41.62443
## 45	-888.7760	-191.85887	72.566268	-274.77184
## 46	-522.0853	-472.59461	-103.664305	-1250.94758
## 70	-497.2674	-306.30528	140.770761	-634.31082
## 72	-597.9066	-376.61591	148.949465	-1794.25935
## 68	-1049.1687	-523.35002	-311.713461	-1433.16906
##	HG3286-HT3463_at	HG3288-HT3465_at	HG3299-HT3476_at	HG33-HT33_at
## 39	2217.91488	-159.5327	-1358.985	31260.11

## 40	44.39000	-181.3255	-1551.741	36875.17
## 42	-234.86525	-594.3029	-1368.992	50325.29
## 47	1602.18335	-388.8854	-1179.649	27357.55
## 48	-75.87151	-822.7706	-2046.553	39152.66
## 49	-647.11051	-169.1764	-2155.113	28244.99
## 41	258.32037	-653.4930	-1208.706	32821.79
## 43	666.90865	-562.6184	-1137.380	26623.82
## 44	337.06305	-610.6131	-1458.295	30040.01
## 45	-386.81639	-406.9844	-1191.296	37594.05
## 46	465.47818	-513.0870	-1228.452	49704.18
## 70	-1434.10514	-477.0479	-1346.487	34120.80
## 72	877.36463	-570.2453	-1842.667	39628.59
## 68	-822.25940	-743.7139	-2015.715	37211.23
##	HG331-HT331_at	HG3313-HT3490_at	HG3344-HT3521_at	HG3345-HT3522_at
## 39	-773.2060	-929.8428	-515.72066	-689.5232
## 40	-982.8458	-1201.6517	154.94453	-789.3754
## 42	-1201.5517	-1063.1347	-45.10001	-922.4852
## 47	-1133.9024	-848.5304	-689.50633	-868.1361
## 48	-1388.9332	-1245.2150	-507.02611	-1347.5598
## 49	-1288.7206	-935.1804	422.23969	-754.0455
## 41	-725.7158	-1001.0654	-355.57378	-788.9108
## 43	-783.6806	-939.4768	327.94657	-752.1003
## 44	-2983.2125	-1024.2272	-537.88978	-744.6968
## 45	-4144.7906	-1034.4339	641.75258	-837.2355
## 46	-740.2940	-675.0564	-344.36884	-792.0343
## 70	-787.0805	-816.2865	-445.59530	-555.6794
## 72	-1146.5231	-1141.9129	-367.39546	-1012.8266
## 68	-1210.6234	-1094.9869	-254.98614	-1245.5325
##	HG3355-HT3532_at	HG3364-HT3541_at	HG3369-HT3546_at	HG3400-HT3579_at
## 39	4953.6961	36032.17	-773.2060	-2582.040
## 40	2566.4152	41882.37	-547.5374	-2247.313
## 42	1845.8548	35878.58	-871.1369	-2239.679
## 47	1859.2360	56045.06	-661.1870	-2057.549
## 48	3451.7570	42412.45	-907.6950	-3167.990
## 49	8359.4370	47707.16	-601.2812	-5057.635
## 41	1100.1679	51940.53	-635.4373	-2039.269
## 43	696.3836	43403.50	-457.3507	-2579.548
## 44	2207.4168	46884.55	-758.3324	-1646.921
## 45	1186.2891	44643.89	-581.7739	-1522.948
## 46	2193.1518	47704.30	-486.0921	-1901.075
## 70	1246.1045	48377.80	-438.8555	-1962.059
## 72	3943.1626	49681.18	-902.1813	-2432.775
## 68	61.3778	42015.60	-719.7138	-2818.625
##	HG3405-HT3586_at	HG3415-HT3598_at	HG3432-HT3618_at	HG3432-HT3621_at
## 39	-515.7207	-700.2517927	-299.00387	-211.0297
## 40	-172.1126	-370.1894767	-377.09913	-294.1832
## 42	-319.7015	-942.5779711	-621.09333	-661.2789
## 47	-434.6321	-325.7114834	229.78364	-417.2048
## 48	-951.2460	-970.8439373	-565.81992	-740.0238
## 49	-383.0465	-784.5983962	-446.33456	212.7343
## 41	-434.5675	-700.8892440	-265.29523	-558.7005
## 43	-526.8274	28.9862303	-747.88958	-592.0934
## 44	-478.8021	-465.1664320	-40.18934	-492.4377
## 45	-776.7314	94.9751778	-474.21114	-350.9621

## 46	-351.1176	-366.8645866	-324.12266	-519.8357
## 70	-533.2132	-0.7658752	-335.51125	-400.6630
## 72	-524.1430	-505.7021402	-201.42745	-537.9737
## 68	-776.4412	-702.2592826	-791.71391	-654.2592
##	HG3454-HT3647_at	HG3477-HT3670_at	HG3492-HT3686_at	HG3494-HT3688_at
## 39	829.64000	-2296.661	3580.4412	-547.90633
## 40	1094.65802	-2431.571	3600.5606	-512.98908
## 42	-49.56508	-1636.895	1399.3483	-225.93513
## 47	118.68461	-1255.894	3140.1424	-14.19853
## 48	185.43430	-2175.028	3018.4249	-783.57477
## 49	1227.52587	-2901.475	11004.4420	-428.87578
## 41	-321.71933	-1371.207	1569.6163	-574.49927
## 43	-194.18135	-1703.721	2205.9228	-168.91709
## 44	-278.81284	-1412.843	707.4976	55.26006
## 45	-270.29006	-1444.517	1504.4956	220.46507
## 46	-229.64051	-1523.146	1637.5068	-450.09886
## 70	48.65962	-2013.731	1659.4813	-205.20768
## 72	-97.69744	-1990.194	3270.0701	15.25301
## 68	-697.89564	-1738.624	554.4692	-789.53209
##	HG3495-HT3689_at	HG3502-HT3696_at	HG3510-HT3704_at	HG3514-HT3708_at
## 39	-9.332918	-867.6172	-434.1837	7740.974
## 40	-876.897729	-413.9506	-512.9891	6352.908
## 42	-554.117363	-900.1599	-699.2320	15069.143
## 47	-393.242263	-595.8346	-517.4118	9196.128
## 48	-559.287275	-1073.1887	-964.3113	13207.174
## 49	-385.228829	-634.0164	-260.8350	7715.645
## 41	-633.180330	-633.1803	-572.2423	6431.116
## 43	-895.264400	-642.6219	-385.7686	4787.087
## 44	-971.957292	-460.6212	-592.4323	7961.652
## 45	-796.899440	-525.7516	-395.7800	6208.126
## 46	-857.271949	-409.6065	-580.5742	5630.503
## 70	-856.725531	-497.2674	-557.9260	5343.927
## 72	-505.702140	-856.0791	-501.0919	13841.310
## 68	-1180.077913	-868.0776	-630.2592	14989.392
##	HG3517-HT3711_at	HG3521-HT3715_at	HG3548-HT3749_at	HG3549-HT3751_at
## 39	-541.46919	606.4861	752.39441	49955.69
## 40	-337.94441	912.7037	152.64131	43713.43
## 42	-1094.39016	412.5691	-315.23641	64120.11
## 47	-789.71329	3026.8650	425.84074	50607.75
## 48	-1166.82330	988.9497	-768.33193	51734.54
## 49	-354.67597	315.3047	-439.78751	38951.58
## 41	-427.79662	204.1532	-353.31682	54921.98
## 43	-51.01724	1824.8536	68.98797	45887.82
## 44	-549.25281	1327.9187	516.59882	41987.09
## 45	-834.99459	789.6514	-297.18075	58154.22
## 46	-238.63881	310.2575	-258.88498	66593.99
## 70	-202.96107	969.7711	-63.67105	44315.93
## 72	-828.41772	1887.0034	-491.87147	54397.44
## 68	-1162.62335	2267.1981	-1018.62322	53356.70
##	HG3566-HT3769_at	HG3570-HT3773_at	HG3578-HT3781_at	HG358-HT358_at
## 39	6290.474	-1663.67594	881.13706	333.98081
## 40	5443.136	-1821.21765	1090.05158	792.93628
## 42	1979.807	-1650.29069	374.61604	1249.76868
## 47	2403.839	-720.00410	-118.76232	46.79701

## 48	3623.783	-962.13374	300.84437	41.71611
## 49	6733.588	893.62672	1543.96624	1615.98370
## 41	1653.124	91.30505	353.11285	-14.77225
## 43	1460.627	119.51647	-67.86008	959.55292
## 44	1416.550	-1510.56462	-276.54024	57.53266
## 45	3866.395	-1016.50676	-496.62005	303.37804
## 46	1095.359	-1190.20906	335.00283	134.79065
## 70	1353.942	-1249.88285	62.13930	125.04447
## 72	4282.014	-1967.14270	372.54526	123.59324
## 68	1924.652	-1258.62344	168.28699	790.10576
##	HG3627-HT3836_at	HG363-HT363_at	HG37-HT37_at	HG3733-HT4003_at
## 39	254.58951	898.302747	-532.8864	-1245.2623
## 40	-105.31925	811.362039	-308.0026	-1565.5603
## 42	-875.60200	910.423780	-690.3018	-1201.5517
## 47	-347.49561	96.900492	-443.3457	-1545.6223
## 48	-609.37089	185.434305	-770.5095	-1441.1944
## 49	-282.65850	1681.454119	-703.8515	-1061.7565
## 41	-292.37880	-994.294538	-504.5334	-662.5209
## 43	-558.40768	35.302294	-446.8239	-975.2679
## 44	400.69598	-510.618527	-374.2622	-1465.1125
## 45	-28.27383	-413.707079	-415.9480	-1115.1060
## 46	285.51218	-405.107363	-414.1057	-621.0666
## 70	-133.31606	-578.145486	-425.3758	-710.6957
## 72	-182.98656	6.032565	-703.9417	-1418.5262
## 68	-628.07739	-457.895417	-584.4410	-1162.6234
##	HG3740-HT4010_at	HG3748-HT4018_at	HG3790-HT4060_at	HG384-HT384_at
## 39	576.44613	-603.694807	-700.2518	12002.356
## 40	-126.04823	9.841713	-1127.9486	26176.717
## 42	-154.49409	-1007.321406	-737.1850	16015.737
## 47	-284.32165	-693.863153	-567.5152	21689.323
## 48	-892.45219	457.627864	-1223.4396	24833.106
## 49	1098.76737	-551.087229	-967.9156	18705.946
## 41	-678.31961	-147.933113	-583.5271	18248.579
## 43	-93.12433	-356.293645	-758.4164	11254.736
## 44	-342.44578	-537.889784	-833.3284	13218.187
## 45	-285.97629	-281.494510	-855.1626	17878.686
## 46	-83.41813	-594.071667	-708.8000	23163.690
## 70	-432.11562	-526.473380	-495.0208	23413.438
## 72	-807.67172	-1167.269079	-1091.2004	10528.866
## 68	-331.34984	-449.168136	-1243.3507	5891.201
##	HG3872-HT4142_at	HG3884-HT4154_at	HG3893-HT4163_at	HG3897-HT4167_at
## 39	-500.70069	-1011.3799	-695.9604	-427.74652
## 40	-985.14904	-1468.8251	-333.3380	-722.58203
## 42	-781.83565	-337.5617	-730.4874	-453.65341
## 47	-848.53042	-493.4492	-876.8498	-944.38056
## 48	-1449.90460	-228.2999	-896.8073	-920.76032
## 49	-1242.89134	-1581.1552	-457.2463	-601.28122
## 41	-664.77782	-888.2172	-784.3969	-518.07518
## 43	-381.55790	-501.5631	-562.6184	-15.22621
## 44	-828.78319	-1067.4067	-974.2299	-633.33918
## 45	-646.75974	809.8194	-382.3346	-512.30628
## 46	-666.05807	-420.8544	-537.8323	-623.31614
## 70	-90.63041	-418.6359	-616.3379	-445.59530
## 72	-1128.08219	-1065.8442	-699.3315	-533.36348

## 68	-1064.44144	-202.6224	-1103.7142	-1073.16872
##	HG3930-HT4200_at	HG3934-HT4204_at	HG3936-HT4206_at	HG3942-HT4212_at
## 39	-573.6549	22.85274	1031.33682	-464.2236
## 40	-441.5893	-701.85306	46.69322	-1828.1273
## 42	-788.5332	-71.89040	-103.14585	-2295.4925
## 47	-885.5634	225.42681	297.31442	-765.7508
## 48	-1162.4682	592.63587	-247.89784	-2641.0236
## 49	-898.0805	-177.90583	420.05735	-3604.1912
## 41	-572.2423	41.65185	-405.22699	-964.9540
## 43	-143.6528	180.57176	-25.75299	-657.3593
## 44	-717.4256	498.41798	-535.61718	-971.9573
## 45	-861.8853	661.92060	-398.02084	-1115.1060
## 46	-663.8085	-119.41133	-369.11416	-839.2753
## 70	-683.7363	178.96319	-292.82560	-984.7825
## 72	-763.8746	273.42547	-321.29324	-1496.9000
## 68	-896.4413	105.01420	-929.16859	-2840.4431
##	HG3945-HT4215_at	HG3962-HT4232_at	HG3971-HT4241_at	HG3976-HT4246_at
## 39	-974.9028	-1238.8252	-236.77826	-526.4492
## 40	-2102.2104	-3104.1108	-86.89350	-360.9766
## 42	-788.5332	-1869.0788	-603.23307	-674.6741
## 47	-1164.4002	-1541.2655	-35.98266	-639.4028
## 48	-1391.1108	-2357.9423	-465.65269	-705.1830
## 49	-1275.6266	-3165.5394	-66.60612	-446.3346
## 41	-770.8551	-1190.6504	-547.41571	-484.2207
## 43	-1613.1903	-899.4751	-147.86355	-501.5631
## 44	-1149.2205	-1608.2866	-117.45790	-399.2609
## 45	-606.4237	-1646.1971	742.59268	574.5259
## 46	-603.0700	-942.7558	-330.87139	-537.8323
## 70	-825.2729	-1292.5685	-331.01803	-411.8961
## 72	-1250.2531	-1695.1396	-298.24212	-540.2788
## 68	-929.1686	-1934.9877	-787.35027	-793.8957
##	HG3985-HT4255_at	HG3987-HT4257_at	HG3989-HT4259_at	HG3992-HT4262_at
## 39	22.85274	-526.449219	-356.9381	-558.63488
## 40	-420.86030	-1565.560309	-565.9631	-483.04722
## 42	-661.27891	196.013466	-962.6708	-138.86637
## 47	-748.32346	1016.190459	-489.0924	-608.90508
## 48	-970.84394	-258.785585	-833.6584	-964.31129
## 49	-957.00384	2004.441529	-463.7933	-2451.91178
## 41	-874.67546	-360.087710	-678.3196	-687.34746
## 43	-1040.53386	-305.765137	-541.5648	-288.92230
## 44	-792.42152	9.807961	-460.6212	-721.97077
## 45	-649.00063	321.305169	-317.3488	-34.99650
## 46	-589.57252	-506.338240	-571.5759	-90.16685
## 70	-908.39764	-1236.403174	-600.6116	-297.31883
## 72	-888.35061	-1028.962402	-1118.8617	-644.00882
## 68	-1162.62335	375.559912	-1140.8051	-97.89508
##	HG3993-HT4263_at	HG3994-HT4264_at	HG3995-HT4265_at	HG3998-HT4268_at
## 39	-1949.055	700.89735	1767.31562	-558.6349
## 40	-1862.676	1143.02562	1624.39846	-448.4989
## 42	-1585.547	470.61493	73.22419	-1027.4142
## 47	-1430.166	641.50355	1547.72305	-685.1495
## 48	-1985.582	374.88102	806.03562	-1256.1028
## 49	-2482.465	1138.04963	-455.06394	-769.3220
## 41	-1565.306	-109.56473	734.53973	-509.0473

## 43	-1339.494	342.68405	14.24875	-385.7686
## 44	-1601.469	296.15616	1761.98623	-674.2461
## 45	-1563.284	377.32744	1392.45107	-684.8549
## 46	-1030.489	-69.92068	1250.57988	-427.6031
## 70	-1541.943	500.22888	1086.59495	-396.1698
## 72	-2036.296	365.62993	-123.05367	-703.9417
## 68	-2124.806	111.55966	587.19647	-1003.3505
##	HG3999-HT4269_at	HG4018-HT4288_at	HG4036-HT4306_at	HG4051-HT4321_at
## 39	-2395.3633	-153.09554	2777.9454	-1483.4362
## 40	-3898.7215	396.78256	3236.6520	-1070.3682
## 42	-772.9055	588.93914	2736.6351	-777.3706
## 47	-1234.1094	-338.78196	713.3912	-539.1959
## 48	-2111.8793	-393.79359	1084.7618	-1060.1234
## 49	-5042.3581	398.23387	7929.5146	-612.1930
## 41	-1813.5724	-197.58632	1551.5606	-671.5487
## 43	-1274.2282	-42.59582	2199.6067	-1021.5857
## 44	-1240.1247	-269.72242	1936.9768	-599.2501
## 45	-2564.9624	-283.73540	433.3497	-767.7679
## 46	-1136.2193	-351.11756	3167.2178	-398.3586
## 70	-951.0833	-128.82283	1740.3594	-755.6279
## 72	-2156.1618	-113.83322	1644.9667	-708.5519
## 68	-2347.3517	-606.25919	-457.8954	-1029.5323
##	HG4052-HT4322_at	HG4058-HT4328_at	HG406-HT406_at	HG4068-HT4338_at
## 39	-970.6114	-427.7465	-185.28120	-2182.93795
## 40	-918.3557	-119.1386	39.78356	610.98196
## 42	-636.7211	-717.0922	-223.70259	-136.63384
## 47	-913.8828	-242.9318	42.44019	-251.64547
## 48	-1343.2047	-933.8256	-239.18765	-454.76495
## 49	-690.7575	-719.1280	985.28531	686.30372
## 41	-913.0438	-567.7284	134.18736	-461.65108
## 43	-1421.6030	-194.1813	111.09506	349.00012
## 44	-792.4215	-690.1543	362.06170	-1587.83318
## 45	-610.9055	-541.4379	388.53190	1452.95512
## 46	-812.2804	-596.3212	-337.62011	-87.91728
## 70	-854.4789	-373.7037	322.74644	-748.88809
## 72	-1047.4033	-897.5711	-464.21014	-1093.50552
## 68	-1121.1688	-1025.1687	-542.98641	185.74155
##	HG4073-HT4343_at	HG4074-HT4344_at	HG4102-HT4372_at	HG4114-HT4384_at
## 39	342.56365	130.1382836	-118.76417	939.07125
## 40	329.98920	258.5894001	-82.28706	2045.88760
## 42	622.42712	171.4556119	-328.63161	575.54395
## 47	471.58740	902.9130220	-147.08168	613.18419
## 48	736.35407	1687.9427546	-609.37089	-125.95513
## 49	965.64419	786.6917023	-190.99991	2187.75871
## 41	696.17135	1944.2723289	-378.14342	52.93666
## 43	399.52862	713.2264465	-86.80827	797.44063
## 44	927.94028	1818.8013442	-131.09353	862.03474
## 45	1163.88019	159.9610168	65.84359	789.65139
## 46	379.99433	-0.1838526	-369.11416	121.29320
## 70	601.32648	-521.9801538	-414.14272	324.99305
## 72	-3.18788	-49.2901057	-639.39859	455.52927
## 68	925.37861	257.7416195	-436.07721	235.92342
##	HG4126-HT4396_at	HG4128-HT4398_at	HG4144-HT4414_at	HG415-HT415_at
## 39	-949.15424	-1187.3281	-489.9721	-1564.9732

## 40	16.75137	-922.9621	-962.1168	-1835.0370
## 42	-752.81273	-1411.4097	-1047.5070	-1286.3879
## 47	-371.45814	-1018.4466	-839.8168	-613.2619
## 48	-78.04906	-1223.4396	-1182.0661	-1149.4029
## 49	-767.13962	-1120.6799	-747.4985	-922.0863
## 41	-247.23952	-759.5703	-721.2019	-1046.2047
## 43	-274.18482	-1158.4337	-819.4716	-1147.9069
## 44	-137.91135	-799.2393	-828.7832	-785.6037
## 45	-377.85282	-904.4622	-673.6504	-734.1545
## 46	-243.13796	-695.3025	-717.7983	-877.5181
## 70	-490.52757	-829.7662	-539.9531	-1065.6606
## 72	-816.89216	-862.9944	-1003.6062	-1063.5391
## 68	-737.16841	-1502.9873	-1278.2598	-658.6229
##	HG4157-HT4427_at	HG4165-HT4435_at	HG4167-HT4437_at	HG4178-HT4448_at
## 39	-397.7066	-732.4375	421.95495	-247.5068
## 40	-395.5249	-591.2985	240.16365	-1355.9673
## 42	-475.9787	-938.1129	-96.44826	-699.2320
## 47	-314.8194	-757.0371	-31.62583	-931.3101
## 48	-596.3056	-936.0032	-452.58740	-814.0604
## 49	-110.2531	-1120.6799	1087.85564	-125.5295
## 41	-285.6079	-621.8955	-411.99788	-504.5334
## 43	-335.2401	-491.0363	165.83427	-819.4716
## 44	-346.9910	-558.3432	162.07248	-840.1462
## 45	-191.8589	-649.0006	-68.60987	-864.1262
## 46	-490.5912	-751.5419	-427.60311	-537.8323
## 70	-443.3487	-555.6794	-173.75510	-420.8826
## 72	-501.0919	-823.8075	-17.01855	-586.3810
## 68	-682.6229	-1079.7142	-656.44106	-785.1685
##	HG4185-HT4455_at	HG4188-HT4458_at	HG4194-HT4464_at	HG4234-HT4504_at
## 39	-434.18365	-1498.4562	-324.7524	-397.70657
## 40	-314.91221	-858.4720	-895.3235	-453.10537
## 42	-98.68079	-1232.8072	-522.8619	-674.67410
## 47	-462.95145	-1425.8097	-1109.9399	-669.90062
## 48	-605.01579	-1482.5678	-1219.0845	-703.00547
## 49	86.15820	-1605.1610	-267.3821	1000.56174
## 41	-405.22699	-1014.6072	-398.4561	-687.34746
## 43	-288.92230	-905.7912	-537.3541	-162.60103
## 44	-465.16643	-678.7913	-892.4161	-340.17317
## 45	-510.06539	-640.0371	-577.2921	41.19379
## 46	-398.35864	-780.7864	-564.8272	-380.36204
## 70	-375.95029	-1108.3462	-793.8204	-331.01803
## 72	-404.27724	-1478.4591	-952.8937	-653.22926
## 68	-732.80477	-1430.9872	-1448.4418	-702.25928
##	HG4243-HT4513_at	HG4245-HT4515_at	HG4258-HT4528_at	HG4263-HT4533_at
## 39	1177.24515	-743.1660	-423.45510	-1011.3799
## 40	-644.27258	-542.9309	-1319.11584	-927.5686
## 42	374.61604	-730.4874	-493.83899	-897.9273
## 47	-197.18516	-726.5393	-617.61872	-848.5304
## 48	-95.46945	-1062.3010	-681.22999	-1319.2517
## 49	1938.97111	-915.5392	-856.61586	-1223.2502
## 41	-579.01320	-752.7994	-211.12810	-964.9540
## 43	14.24875	-465.7721	-202.60277	-621.5683
## 44	-19.73590	-724.2434	-944.68603	-792.4215
## 45	354.91853	-696.0593	-350.96213	-1301.0999

## 46	-227.39093	-756.0411	-308.37564	-767.2889
## 70	-1191.47091	-578.1455	39.67316	-861.2188
## 72	335.66348	-833.0279	-614.04237	-750.0439
## 68	314.46895	-1014.2596	-682.62290	-1195.3507
##	HG4272-HT4542_at	HG429-HT429_at	HG4297-HT4567_at	HG4310-HT4580_at
## 39	1353.19343	-423.4551	192.3639	-1431.9392
## 40	947.25198	-464.6215	380.6600	-1623.1408
## 42	363.45338	-703.6970	1499.8123	-1161.3661
## 47	732.99687	-338.7820	2064.0067	-715.6473
## 48	470.69316	-877.2094	2750.5864	-1327.9619
## 49	2482.37560	-448.5169	217.0990	-1858.3133
## 41	107.10380	-490.9916	1014.4032	-915.3008
## 43	443.74107	-512.0899	915.3405	-964.7411
## 44	518.87143	-458.3486	1425.6407	-1062.8615
## 45	574.52585	-563.8468	1289.3701	-1128.5513
## 46	65.05382	-486.0921	110.0453	-740.2940
## 70	641.76552	-495.0208	417.1042	-939.8502
## 72	861.22885	-777.7053	1808.6296	-973.6397
## 68	-119.71328	-865.8958	2937.0169	-1260.8053
##	HG4316-HT4586_at	HG4319-HT4589_at	HG4321-HT4591_at	HG4332-HT4602_at
## 39	-1777.399	27966.44	-867.6172	1726.54711
## 40	-1853.463	41672.78	-632.7565	3441.63851
## 42	-1592.245	29783.76	-851.0441	1591.34611
## 47	-1018.447	35304.40	-674.2574	861.52319
## 48	-1839.686	41075.44	-1391.1108	1513.73888
## 49	-1792.843	34362.11	-1074.8506	2855.55700
## 41	-1152.282	43036.81	-971.7249	400.50909
## 43	-1122.643	23790.02	-783.6806	1182.72050
## 44	-1415.115	30408.17	-1915.0883	41.62443
## 45	-1392.976	43420.36	-2448.4361	404.21814
## 46	-1007.993	17040.35	-747.0428	350.74986
## 70	-1054.427	33091.85	-632.0642	277.81417
## 72	-1612.156	41085.42	-874.5199	1183.94443
## 68	-1566.260	52811.25	-959.7141	626.46924
##	HG4333-HT4603_at	HG4336-HT4606_at	HG4390-HT4660_at	HG4411-HT4681_at
## 39	63.62125	78.641225	-629.4433	-1706.5902
## 40	-351.76372	836.697452	-462.3182	-1846.5531
## 42	-513.93178	-259.423109	-379.9798	-1322.1085
## 47	-388.88544	179.680157	-493.4492	-935.6669
## 48	-232.65500	-511.381208	-901.1624	-1613.2207
## 49	-280.47616	701.580155	-690.7575	-1670.6314
## 41	-621.89551	-168.245787	-502.2764	-1120.6845
## 43	-248.92057	-67.860077	-476.2989	-1238.4372
## 44	-315.17452	-147.001767	-815.1476	-1203.7630
## 45	-772.24964	-153.763723	-899.9804	-1570.0068
## 46	-679.55552	-346.618411	-301.6269	-821.2787
## 70	-575.89887	5.973965	-533.2132	-1099.3598
## 72	-321.29324	-215.258118	-162.2406	-1379.3393
## 68	-1385.16902	-540.804585	-772.0775	-1236.8052
##	HG4433-HT4703_at	HG4458-HT4727_at	HG4460-HT4729_at	HG4462-HT4731_at
## 39	-1820.3128	-773.2060	-464.22361	-835.4316
## 40	-1298.3869	-685.7305	51.29966	-803.1947
## 42	-942.5780	-752.8127	-386.67745	-918.0201
## 47	-935.6669	-794.0701	-831.10312	-1014.0898

## 48	-1306.1864	-1145.0478	-1140.69272	-1412.8863
## 49	-603.4636	-1103.2211	-1024.65661	-806.4219
## 41	-1163.5668	-913.0438	-813.73743	-800.1957
## 43	-1198.4354	-432.0864	302.68232	-345.7669
## 44	-756.0598	-737.8790	-878.78050	-1576.4702
## 45	-886.5351	-702.7820	-2094.37533	-1590.1749
## 46	-722.2974	-650.3110	-531.08357	-609.8187
## 70	-849.9857	-701.7092	235.12852	-542.1997
## 72	-837.6382	-1003.6062	-667.05993	-1141.9129
## 68	-1474.6236	-1005.5323	-876.80490	-1195.3507
##	HG4480-HT4833_at	HG4533-HT4938_at	HG4542-HT4947_at	HG4582-HT4987_at
## 39	-1539.2247	784.58007	19493.032	-438.47508
## 40	-959.8136	714.62683	12670.638	-172.11261
## 42	-900.1599	225.03639	17198.979	-411.23530
## 47	-1005.3761	96.90049	18659.151	-155.79533
## 48	-1462.9699	74.37933	27330.754	1566.00004
## 49	-1956.5189	1618.16605	7355.557	-634.01643
## 41	-1718.7799	-186.30150	22335.940	869.95756
## 43	-1354.2317	176.36105	17665.541	155.30750
## 44	-787.8763	-97.00446	18688.346	57.53266
## 45	-1617.0655	-91.01878	27346.451	-95.50056
## 46	-1345.4297	-110.41303	20158.258	-326.37224
## 70	-697.2160	-306.30528	15774.953	-508.50047
## 72	-1268.6940	259.59481	22865.821	-372.00569
## 68	-1293.5326	-130.62238	29302.133	3633.01752
##	HG4606-HT5011_at	HG4638-HT5050_at	HG4660-HT5073_at	HG4662-HT5075_at
## 39	209.52958	-831.14015	415.51782	-1901.8498
## 40	401.38900	-846.95588	613.28518	4643.9190
## 42	403.63896	-755.04526	-272.81830	-674.6741
## 47	255.92459	-1018.44658	14.12083	-635.0460
## 48	-69.33887	-1611.04319	163.65882	-944.7134
## 49	409.14561	-4031.93127	210.55200	-282.6585
## 41	-102.79384	152.24307	238.00770	-389.4282
## 43	525.84990	-855.26266	39.51300	-910.0019
## 44	155.25467	91.62173	-362.89922	-787.8763
## 45	446.79506	-1278.69101	-640.03707	-1195.7780
## 46	328.25411	-580.57422	751.17422	-740.2940
## 70	-20.98539	-1061.16734	93.59188	947.3049
## 72	-201.42745	-1084.28507	-173.76612	-1118.8617
## 68	161.74153	-835.35032	-302.98618	-1387.3508
##	HG4704-HT5146_at	HG4716-HT5158_at	HG4724-HT5166_at	HG4740-HT5187_at
## 39	-434.1837	-60.82998	-541.4692	-670.2118
## 40	138.8220	-98.40960	-1104.9164	-743.3110
## 42	-239.3303	486.24266	-694.7669	-538.4896
## 47	-242.9318	591.40007	-489.0924	-648.1165
## 48	-920.7603	681.91536	-1229.9722	-1040.5255
## 49	398.2339	596.82748	-1194.8797	-996.2861
## 41	-396.1991	1528.99099	-511.3043	-913.0438
## 43	-436.2971	266.89129	-562.6184	-808.9449
## 44	-558.3432	1423.36812	-1085.5875	-812.8750
## 45	-1097.1788	883.76881	-902.2213	-837.2355
## 46	-258.8850	274.26430	-1048.4858	-441.1006
## 70	-288.3324	488.99582	-1326.2677	-557.9260
## 72	-862.9944	-395.05680	-514.9226	-851.4688

## 68	-802.6230	118.10512	-1125.5324	-998.9868	
##	HG4747-HT5195_at	HG4749-HT5197_at	HG511-HT511_at	HG537-HT537_at	
## 39	-633.73476	265.31806	218.11243	-2084.2353	
## 40	-883.80739	954.16164	-565.96312	-1123.3422	
## 42	-525.09444	-239.33032	-440.25822	-719.3247	
## 47	-493.44923	-434.63210	-242.93182	-1247.1799	
## 48	-809.70535	-1016.57246	-761.79928	-1391.1108	
## 49	-804.23952	1258.07873	-88.42959	-1133.7740	
## 41	-123.10651	-714.43103	-123.10651	-1084.5731	
## 43	-693.15037	-421.55964	-575.25051	-870.0001	
## 44	148.43685	-846.96403	-276.54024	-1024.2272	
## 45	-32.75561	-1271.96833	121.86587	-1168.8873	
## 46	152.78725	-355.61671	-162.15326	-717.7983	
## 70	-609.59807	-870.20521	50.90623	-697.2160	
## 72	-844.55350	31.38879	-512.61747	-1231.8122	
## 68	-427.34993	-294.25890	-468.80452	-287.7134	
##	HG544-HT544_at	HG613-HT613_at	HG620-HT620_at	HG64-HT64_at	HG644-HT644_at
## 39	-6575.208	22745.93	1297.40495	-247.5068	-1022.1084
## 40	-7270.635	32289.46	212.52501	-229.6931	-916.0525
## 42	-4552.583	37131.03	9289.11724	-525.0944	-826.4863
## 47	-2488.875	41177.40	81.65161	-497.8061	-818.0327
## 48	-4304.671	37926.70	984.59460	-879.3869	-918.5828
## 49	-9989.740	33548.09	-439.78751	-337.2172	-1269.0795
## 41	-5050.058	35570.78	204.15324	-515.8182	-1251.5884
## 43	-5863.901	29188.15	367.94831	-783.6806	-1295.2818
## 44	-5053.555	32164.89	1948.33982	-437.8952	-610.6131
## 45	-6049.548	33715.06	881.52792	-440.5978	-763.2861
## 46	-3550.013	26985.72	1572.26911	-578.3246	-634.5640
## 70	-5444.310	35441.81	-317.53835	-438.8555	-1326.2677
## 72	-5274.977	30209.91	4007.70576	-558.7197	-547.1941
## 68	-7036.083	28918.13	3792.29040	-671.7138	-1201.8961
##	HG662-HT662_at	HG668-HT4793_at	HG732-HT732_at	HG742-HT742_at	HG821-HT821_at
## 39	9463.980	-1007.0884	-485.6807	-981.3399	28043.69
## 40	8121.780	-593.6018	-308.0026	-787.0722	31529.40
## 42	13334.466	-866.6719	-897.9273	-377.7473	28792.52
## 47	12973.495	-1005.3761	-554.4448	-630.6892	29067.60
## 48	19367.459	-1325.7843	-1079.7214	-1121.0948	30259.56
## 49	12900.902	-1216.7032	-354.6760	-1319.2735	32736.26
## 41	12157.034	-743.7716	-423.2827	-371.3725	33126.48
## 43	8551.461	-632.0951	-299.4491	-284.7116	24425.83
## 44	9593.382	-683.3365	-596.9775	-735.6064	26710.64
## 45	12265.254	-747.5998	-622.1099	-964.9663	31843.92
## 46	9690.985	-695.3025	-425.3535	-168.9020	31923.54
## 70	11016.626	-634.3108	-551.1861	-778.0941	34305.02
## 72	15185.190	-916.0119	-736.2133	-1035.8777	30915.27
## 68	14271.573	-998.9868	-1038.2596	-1123.3506	31062.86
##	HG825-HT825_at	HG830-HT830_at	HG831-HT831_at	HG846-HT846_at	HG870-HT870_at
## 39	-2245.1636	1162.225174	301.7951	649.40030	-721.7089
## 40	-1892.6175	1182.180351	-462.3182	875.85218	-821.6205
## 42	-1449.3628	655.915106	-556.3499	-484.90886	-891.2297
## 47	-1384.4198	197.107455	-131.8328	-35.98266	-739.6098
## 48	-2096.6365	644.897034	-282.7386	-143.37552	-1099.3193
## 49	-2685.4229	1264.625774	297.8459	994.01470	-826.0630
## 41	-1387.0062	89.048086	-448.1093	-98.27991	-858.8767

## 43	-1406.8655	479.532096	-446.8239	-400.50609	-537.3541	
## 44	-1149.2205	300.701370	-437.8952	-172.00042	-701.5173	
## 45	-1269.7274	372.845662	-485.4156	-268.04916	-507.8245	
## 46	-789.7847	357.498581	-126.1601	-40.67620	-573.8255	
## 70	-1052.1809	277.814170	-241.1535	-56.93121	-809.5467	
## 72	-1773.5133	148.949465	-136.8843	881.97485	-925.2324	
## 68	-1572.8056	6.832293	-497.1682	-58.62231	-1199.7143	
##	HG896-HT896_at	HG907-HT907_at	HG908-HT908_at	HG909-HT909_at	HG919-HT919_at	
## 39	-689.5232	-4290.0259	685.87738	-850.45155	291.06659	
## 40	-1150.9808	-4407.7330	258.58940	95.06083	141.12521	
## 42	-1406.9447	-2328.9805	468.38240	671.54283	620.19459	
## 47	-863.7793	-2689.2888	430.19757	22.83448	-81.72931	
## 48	-1410.7087	-165.1510	951.93137	-254.43049	559.97264	
## 49	-917.7216	-5529.0216	278.20477	-404.86996	1404.29600	
## 41	-1089.0870	-1736.8356	-504.53339	-416.51181	-389.42824	
## 43	-672.0968	-1379.4959	273.20735	-581.56658	-21.54228	
## 44	-599.2501	-940.1408	21.17099	-306.08410	525.68924	
## 45	-678.1322	-1029.9521	-133.59570	-368.88926	-268.04916	
## 46	-832.5266	-1219.4535	757.92294	-157.65411	501.47138	
## 70	-816.2865	-1955.3194	565.38067	-223.18059	57.64607	
## 72	-1158.0486	-3905.7413	-362.78524	-411.19258	-233.69901	
## 68	-1492.0782	-3536.4438	288.28710	-298.62254	-920.44131	
##	HG921-HT3995_at	HG960-HT960_at	HG961-HT961_at	HG987-HT987_at	J00073_at	
## 39	-1084.3340	-365.52091	-1238.82520	-206.73831	1990.46954	
## 40	-655.7887	610.98196	-33.91945	4561.00311	714.62683	
## 42	-976.0660	-71.89040	-976.06595	-254.95804	937.21417	
## 47	-1184.0059	35.90495	-831.10312	1830.91664	1273.24310	
## 48	-1460.7923	-267.49578	-1830.97559	949.75382	583.92568	
## 49	-1103.2211	904.53846	-1891.04851	3182.90910	1954.24754	
## 41	-662.5209	215.43806	-687.34746	5945.86915	547.21174	
## 43	-870.0001	-93.12433	-676.30753	1121.66522	490.05887	
## 44	-1153.7657	62.07787	-703.78993	-33.37153	71.16829	
## 45	-994.0978	133.07032	-817.06746	103.93874	1215.42068	
## 46	-353.3671	159.53598	-414.10566	-450.09886	285.51218	
## 70	-728.6686	601.32648	-787.08052	722.64360	156.49705	
## 72	-1130.3873	-49.29011	-1653.64756	-365.09035	15.25301	
## 68	-872.4413	61.37780	-1511.71459	6521.74751	580.65101	
##	J00123_at	J00124_at	J00129_at	J00287_at	J00301_at	J00306_at
## 39	-1202.3481	-500.70069	-309.732429	-1715.1730	-788.2259	-206.738311
## 40	-257.3317	-317.21543	-63.861306	-2307.1969	-1164.8001	525.762842
## 42	-636.7211	-268.35324	-268.353238	-991.6937	-822.0212	-65.192805
## 47	-384.5286	-181.93628	-434.632096	-1155.6865	-1338.6732	334.347426
## 48	-1088.4316	-448.23230	-605.015793	-2242.5322	-1129.8050	-308.869200
## 49	-389.5935	27.23482	295.663547	-2648.3230	-1356.3734	695.033113
## 41	-533.8739	-66.68242	-285.607905	-1265.1302	-669.2918	-30.570996
## 43	-385.7686	-335.24010	-331.029391	-1202.6462	-773.1538	-25.752987
## 44	-431.0774	-119.73051	-153.819581	-1569.6523	-562.8884	159.799875
## 45	-160.4864	363.88210	5.339538	-2056.2802	-588.4966	-21.551154
## 46	-702.0513	-285.87988	-402.857788	-1169.9629	-726.7966	6.564873
## 70	-362.4706	140.77076	-153.535578	-2139.5417	-602.8582	75.618976
## 72	-1201.8457	-422.71813	-376.615908	-1619.0709	-1317.1013	-219.868341
## 68	-1038.2596	-187.34971	-817.895755	-2288.4426	-1123.3506	-529.895484
##	J02611_at	J02645_at	J02843_at	J02854_at	J02874_at	J02876_at
## 39	22.85274	-1187.3281423	-1052.1484	-700.2518	-773.2060	-2281.6406

## 40	1599.06305	0.6288352	-685.7305	-540.6277	-658.0919	-3583.1804	
## 42	564.38128	-433.5606226	-755.0453	-741.6501	-752.8127	-2701.8134	
## 47	754.78099	14.1208266	-881.2066	-940.0237	-417.2048	-1820.1023	
## 48	429.31973	960.6415629	-1118.9172	-1364.9802	-920.7603	-2978.5436	
## 49	1515.59572	-572.9107024	-468.1580	-799.8748	-588.1871	-2914.5694	
## 41	375.68249	1134.0223249	-308.1775	-712.1741	-795.6817	-1702.9812	
## 43	176.36105	367.9483067	-592.0934	-600.5148	-389.9793	-2103.7379	
## 44	471.14673	-667.4282549	-742.4242	-653.7926	-569.7063	-1421.9330	
## 45	112.90231	-911.1848815	-743.1181	-597.4601	-449.5613	-2670.2843	
## 46	523.96714	555.4611860	-497.3399	-121.6609	-382.6116	-585.0734	
## 70	387.89822	439.5703257	-582.6387	62.1393	-470.3080	-2317.0242	
## 72	757.49884	-964.4192860	-770.7899	-542.5839	-733.9082	-2713.9988	
## 68	434.46906	78.8323605	-992.4414	-1005.5323	-874.6231	-2914.6250	
##	J02883_at	J02888_at	J02902_at	J02906_at	J02923_at	J02943_at	J02963_at
## 39	136.5754	254.589509	3979.543	1110.72812	509.9291	78.64122	-346.20951
## 40	-586.6921	334.595638	2363.732	1718.83045	1048.5936	-165.20296	58.20932
## 42	-288.4460	329.965400	2801.379	334.43046	557.6837	-393.37504	-315.23641
## 47	-310.4626	534.761353	1249.281	434.55439	1506.3332	-35.98266	-360.56608
## 48	-809.7053	4.697781	3351.590	1315.58196	1062.9863	-276.20597	-176.03874
## 49	-190.9999	782.327008	3643.384	3265.83830	1402.1137	398.23387	-363.40536
## 41	-533.8739	-217.898991	3614.426	283.14697	1059.5425	-247.23952	-147.93311
## 43	-541.5648	201.625300	2523.831	525.84990	1243.7758	-259.44734	-446.82389
## 44	-119.7305	196.161551	4952.723	225.70541	1055.2061	-417.44173	-308.35670
## 45	-270.2901	440.072392	2994.688	54.63914	502.8173	-21.55115	-386.81639
## 46	-492.8408	496.972235	3482.158	760.17252	1839.9685	-351.11756	-391.60991
## 70	-178.2483	138.524148	2380.644	1041.66268	2528.9207	-229.92043	-288.33237
## 72	-584.0759	278.035697	4761.477	1709.50980	1877.7829	-242.91945	-561.02481
## 68	-617.1683	451.923620	5849.747	1030.10598	5022.8370	-756.80479	-590.98645
##	J02973_rna1_at	J03040_at	J03068_at	J03069_rna1_at	J03133_at	J03161_at	
## 39	-1120.8111	-496.4093	333.980809	4125.452	74.34980	638.6717	
## 40	-1086.4907	385.2665	-243.512414	6417.398	88.15117	663.9560	
## 42	-877.8345	-1337.7362	-1277.457806	2745.565	-545.18723	919.3539	
## 47	-798.4269	-680.7927	-330.068308	4203.208	-192.82834	608.8274	
## 48	-1770.0042	-572.3526	-912.050128	2896.482	-589.77295	856.1192	
## 49	-1799.3899	-1105.4035	-369.952398	5585.674	238.92252	2486.7403	
## 41	-955.9262	-567.7284	-490.991611	2601.049	-222.41292	1021.1741	
## 43	-884.7376	-1025.7964	-537.354133	2725.945	-76.28150	464.7946	
## 44	-1010.5916	-758.3324	-446.985594	3857.328	-94.73186	875.6704	
## 45	-875.3306	-243.3994	3.098647	3261.354	-82.05521	354.9185	
## 46	-929.2584	-353.3671	-168.901982	1313.568	-369.11416	532.9654	
## 70	-1020.7283	-755.6279	-351.237545	3371.401	-20.98539	861.9336	
## 72	-1370.1189	-1035.8777	-833.027943	2649.995	-316.68301	1103.2655	
## 68	-1110.2597	-656.4411	-964.077710	2138.471	-521.16820	1595.1974	
##	J03171_at	J03191_at	J03258_at	J03278_at	J03459_at	J03473_at	J03474_at
## 39	-1084.33402	12867.078	-1187.3281	385.47787	492.7634	1518.4132	-1472.7077
## 40	-82.28706	14448.724	-1063.4585	-340.24763	2485.8025	1412.5023	-1818.9144
## 42	-1353.36390	14401.616	-761.7429	-243.79538	1024.2829	1156.0023	-1328.8060
## 47	-1005.37610	12670.696	-835.4599	18.47765	1290.6704	1382.1637	-1567.4065
## 48	-986.08678	18039.154	-1175.5335	-334.99978	2628.6437	3173.0308	-1443.3720
## 49	-1214.52083	15777.236	-1303.9971	1650.90126	2964.6744	4077.6715	-1908.5073
## 41	-470.67894	15249.074	-818.2514	14.56828	1601.2138	4214.7779	-1481.7987
## 43	-964.74110	9816.779	-686.8343	757.43889	2321.7173	1416.4149	-1270.0175
## 44	-874.23529	16004.400	-862.8723	546.14268	589.3222	4161.8568	-1274.2137
## 45	41.19379	12137.523	-727.4318	227.18775	7140.3365	2990.2064	-1206.9825

## 46	-657.05977	12008.048	-798.7830	274.26430	1185.3422	649.9433	-965.2516
## 70	-418.63594	17803.644	-697.2160	444.06355	2293.0263	2025.6793	-989.2757
## 72	-321.29324	14479.826	-883.7404	42.91435	769.0244	2034.5305	-1423.1364
## 68	-806.98665	19045.396	-1164.8052	-191.71335	3072.2897	5758.1104	-1291.3507
##	J03507_at	J03589_at	J03592_at	J03600_at	J03756_at	J03764_at	J03779_at
## 39	-805.3916	-507.13782	12045.270	3181.3390	1447.6047	591.466104	12478.704
## 40	-526.8084	-591.29853	13608.049	-830.8333	3121.4910	353.021393	7569.008
## 42	-540.7222	-507.23419	18953.749	3230.0248	693.8682	66.526597	6074.271
## 47	-517.4118	-218.96928	17578.659	846.2743	526.0477	-9.841708	3996.258
## 48	-855.4339	647.07458	22198.272	2715.7456	394.4790	-345.887524	8778.041
## 49	-762.7749	-618.74000	14598.768	1090.0380	2962.4920	420.057346	14574.762
## 41	-689.6044	14.56828	35218.690	-129.8774	140.9583	-5.744394	1039.230
## 43	-859.4734	-585.77729	5237.633	2761.7364	-269.9741	64.777257	8688.309
## 44	-671.9735	175.70811	19972.368	2373.3169	700.6798	-15.190691	7820.750
## 45	-438.3569	489.37199	22692.120	1475.3640	657.4388	50.157358	3839.504
## 46	-551.3297	-186.89858	26331.092	1943.4490	422.7363	-90.166855	4118.788
## 70	-495.0208	-274.85269	21429.678	3456.7719	558.6408	324.993049	5903.334
## 72	-1017.4368	-602.51681	24530.112	4222.0811	1064.0786	-162.240559	8313.654
## 68	-833.1685	940.65135	39931.961	-503.7136	153.0142	-187.349708	1154.470
##	J03798_at	J03810_at	J03824_at	J03827_at	J03890_rna1_at	J03909_at	
## 39	-324.75240	-541.4692	-515.7207	9719.320	411.22640	-788.2259	
## 40	-268.84783	-639.6661	-439.2861	7566.704	-1595.50216	429.0276	
## 42	-315.23641	-594.3029	258.5244	15377.233	211.64119	-355.4220	
## 47	-114.40550	-772.2860	-223.3261	7919.579	-493.44923	2288.3832	
## 48	-358.95281	-925.1154	-687.7626	13779.869	-977.37658	614.4114	
## 49	-199.72930	-638.3811	-1465.4908	7619.621	334.94580	-505.2579	
## 41	-46.36974	-572.2423	-484.2207	12504.606	-718.94495	-105.0508	
## 43	-461.56137	-537.3541	-194.1813	8147.233	-870.00015	212.1521	
## 44	-235.63335	-585.6145	-296.9937	10802.408	-951.50385	-224.2703	
## 45	-292.69897	-660.2051	-413.7071	7449.579	-86.53699	144.2748	
## 46	-69.92068	-438.8510	-1023.7405	8089.288	-346.61841	2022.1841	
## 70	-254.63317	-396.1698	-310.7985	11656.910	-450.08853	253.1014	
## 72	-478.04080	-510.3124	-551.8044	14719.558	-293.63190	-385.8364	
## 68	-464.44088	-977.1686	-772.0775	12670.117	-955.35043	399.5599	
##	J03925_at	J03930_at	J04027_at	J04031_at	J04040_at	J04056_at	J04058_at
## 39	-449.2036	1147.20520	-768.91454	-361.22949	-376.24946	-1161.5796	-474.95216
## 40	-192.8416	484.30489	-63.86131	196.40248	-331.03475	-787.0722	-266.54461
## 42	-659.0464	66.52660	-614.39573	162.52548	-538.48964	-871.1369	-337.56174
## 47	-526.1254	580.50801	-480.37875	164.43127	-543.55271	-948.7374	-223.32611
## 48	-1016.5725	453.27277	-663.80960	359.63818	-759.62173	-178.2163	-348.06507
## 49	-295.7526	965.64419	-424.51108	518.26298	27.23482	-1223.2502	-455.06394
## 41	-558.7005	204.15324	-398.45609	-177.27364	-554.18660	-721.2019	21.33917
## 43	-396.2954	616.38014	-331.02939	-158.39032	-278.39553	-625.7790	-97.33504
## 44	-919.6874	-108.36749	-576.52406	84.80392	-590.15969	-1378.7535	-235.63335
## 45	-720.7091	83.77072	-420.42975	117.38409	-570.56945	-893.2578	-178.41352
## 46	-715.5487	348.50028	-297.12776	-83.41813	-396.10906	-479.3433	-373.61331
## 70	-533.2132	509.21534	-521.98015	-146.79574	-443.34869	-679.2431	-63.67105
## 72	-558.7197	95.93191	-279.80123	-383.53124	-630.17815	-879.1302	-653.22926
## 68	-634.6229	-348.80440	-944.44133	-586.62281	-590.98645	-78.2587	-257.16796
##	J04076_at	J04080_at	J04088_at	J04101_at	J04102_at	J04111_at	J04132_at
## 39	-751.7489	-438.47508	286.7752	-507.13782	2250.1005	3041.8678	-886.9286
## 40	-644.2726	-434.67962	-215.8738	138.82199	-1141.7680	-457.7118	-651.1822
## 42	-719.3247	-703.69702	-266.1207	-2141.44778	2216.4551	-565.2800	-1362.2940
## 47	-643.7597	88.18684	105.6141	-504.34129	617.5410	-96.9782	-371.4581

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## 48 -1236.5049 -790.10741 1330.8248 -2257.77509 5080.5633 -182.5714 -1360.6251
## 49 -740.9514 -337.21719 -345.9466 -1362.92045 -745.3161 714.6742 -1111.9505
## 41 -590.2980 -671.54871 366.6546 -567.72838 1587.6720 -522.5891 -788.9108
## 43 -642.6219 -657.35934 161.6236 -1537.39753 1723.7966 -465.7721 -884.7376
## 44 -1126.4944 -496.98290 132.5286 93.89434 357.5165 -835.6010 427.9672
## 45 -633.3144 -689.33667 -220.9905 -1406.42179 3687.1235 1069.7628 -1339.1951
## 46 -589.5725 -627.81529 -409.6065 -1309.43653 1558.7717 -355.6167 -607.5691
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## 68 -885.5322 -772.07753 -368.4408 -1535.71461 3109.3807 -217.8952 -1358.9872
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## 39 -700.2518 -215.321154 -614.4234 2679.243 477.743432 -1919.01552
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## 47 -639.4028 -452.059394 9516.3550 3296.988 59.867484 173.14492
## 48 -1068.8336 -838.013480 507.7115 5746.893 -328.467136 -1253.92524
## 49 -815.1513 -46.964989 3844.1604 4588.341 710.309545 -2181.30071
## 41 -529.3600 -323.976290 -314.9484 3625.710 -296.892724 16.82524
## 43 -762.6271 68.987966 13080.0788 2458.565 -147.863549 -682.62359
## 44 -696.9721 -342.445775 -101.5497 4902.726 -342.445775 -1426.47824
## 45 -599.7010 -169.449960 1867.5200 2580.123 -169.449960 -330.79411
## 46 -501.8391 -339.869686 1864.7139 1979.442 -522.085265 -740.29405
## 70 -571.4056 -108.603312 4784.5204 2609.799 -7.505715 -1485.77725
## 72 -869.9097 -487.261250 3684.9902 5058.837 15.253010 -1340.15243
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## 39 -685.23182 -783.9345 -277.54677 -470.660738 1986.1781 -133.78414 561.42615
## 40 3678.87010 -174.4158 387.56968 -388.615231 2308.4546 -179.02227 -63.86131
## 42 -328.63161 -359.8871 -685.83676 615.729526 1761.0186 -268.35324 2100.36346
## 47 1327.70341 -635.0460 59.86748 138.290324 1303.7409 -14.19853 1249.28057
## 48 -19.25525 -820.5931 287.77908 586.103225 1766.3345 -228.29991 3484.42025
## 49 105.79933 -850.0688 -695.12215 79.611158 695.0331 217.09904 420.05735
## 41 14822.50777 -757.3133 75.50630 89.048086 608.1498 91.30505 4508.18320
## 43 -101.54575 -844.7359 220.57349 -162.601030 1395.3613 -126.81000 934.28867
## 44 -217.45251 -353.8088 -312.90191 -137.911348 1509.7271 -465.16643 5691.31984
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## 46 227.02323 -450.0989 344.00113 6.564873 299.0096 110.04533 3482.15833
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## 72 -150.71500 -874.5199 -934.45284 6.032565 1338.3869 -337.42902 872.75441
## 68 39290.50557 -881.1685 1161.01520 635.196520 1182.8334 -366.25897 5328.29184
## J04615_at J04621_at J04739_at J04742_at J04760_at J04794_at
## 39 4228.446 -981.3399 -515.7206646 -1062.8769 -1208.7853 881.1371
## 40 1942.243 -301.0929 -457.7118112 -817.0140 -1390.5156 2423.6156
## 42 1783.344 -955.9732 -612.1632010 -694.7669 -797.4634 1200.6530
## 47 1299.384 -802.7838 -393.2422630 -617.6187 -711.2905 1972.5134
## 48 6885.751 -1354.0925 -1351.9149210 -1149.4029 -631.1464 5041.3674
## 49 1229.708 -978.8273 -420.1463872 -987.5567 -983.1920 2598.0400
## 41 1650.867 -876.9324 -617.3815835 -739.2576 -937.8704 5368.0864
## 43 1694.322 -476.2989 551.1141491 -726.8360 -465.7721 1982.7552
## 44 3545.981 484.7824 -90.1866478 -596.9775 -658.3378 2523.3088
## 45 1802.534 -716.2274 -523.5107384 -554.8832 -994.0978 4180.1195
## 46 2436.106 -558.0785 -0.1838526 -450.0989 -1172.2125 2055.9277
## 70 2535.661 -526.4734 -510.7470874 -609.5981 -641.0507 2034.6657
## 72 3841.738 -881.4353 -503.3970289 -890.6557 -473.4306 1757.9171

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## 68	-1092.805	-741.5320	-706.6229230	-878.9867	-1090.6233	3118.1079
##	J04809_rna1_at	J04823_rna1_at	J04948_at	J04970_at	J04973_at	J04982_at
## 39	591.46610	1953.992	949.79981	-552.1977	-288.2753	-659.4833
## 40	265.49906	3630.502	148.03487	-736.4014	-142.1708	-641.9694
## 42	-386.67745	3960.063	646.98498	-757.2778	792.0996	-755.0453
## 47	-674.25744	2632.572	271.17347	-689.5063	750.4242	-711.2905
## 48	-56.27358	10726.946	-226.12236	-875.0318	1324.2922	-1079.7214
## 49	891.44438	3671.755	3935.81894	-629.6517	496.4395	-745.3161
## 41	57.45059	7212.026	84.53416	-621.8955	727.7688	-757.3133
## 43	205.83601	4593.395	-1061.58741	-625.7790	671.1194	-537.3541
## 44	100.71215	7584.400	323.42742	-562.8884	471.1467	-508.3459
## 45	-140.31838	3393.567	-106.70501	-740.8772	1562.7588	-588.4966
## 46	310.25750	2258.390	-756.04107	-589.5725	211.2762	-675.0564
## 70	340.71934	4676.683	322.74644	-515.2403	787.7954	-521.9802
## 72	84.40635	5298.568	351.79926	-586.3810	176.6108	-754.6542
## 68	-268.07706	4575.564	445.37816	-887.7140	2140.6525	-894.2595
##	J04988_at	J04990_at	J05008_at	J05032_at	J05037_at	J05068_at
## 39	11682.645	1027.04539	-423.4551	-444.91221	110.8269	-638.0262
## 40	14266.769	901.18759	-639.6661	247.07330	-2261.1325	-941.3879
## 42	16243.455	499.63785	-973.8334	-475.97873	-971.6009	-763.9754
## 47	10296.227	-434.63210	-626.3324	214.53475	-1475.9131	-835.4599
## 48	22529.259	-102.00209	-1092.7867	65.66914	-2747.7235	-1103.6744
## 49	16772.386	1212.24944	-937.3627	-326.30545	-3669.6616	-908.9922
## 41	13626.317	25.85310	-721.2019	301.20268	-1513.3962	-646.7221
## 43	6315.575	8439.87750	-522.6167	-133.12607	-1101.5891	363.7376
## 44	8284.362	643.86469	-631.0666	-110.64009	-1121.9492	-531.0720
## 45	21000.247	83.77072	-550.4014	-169.44996	-969.4480	-622.1099
## 46	9160.086	11.06402	-596.3212	-501.83909	-1055.2346	-513.0870
## 70	10578.536	709.16392	-676.9965	-250.13995	-2076.6365	-589.3786
## 72	18354.718	-42.37477	-897.5711	-482.65103	-512.6175	-669.3650
## 68	18360.304	50.46870	-1125.5324	-30.25865	-3117.5343	-837.5321
##	J05073_at	J05096_rna1_at	J05125_at	J05158_at	J05213_at	J05243_at
## 39	-547.9063	-532.8864	-805.3916	-846.160127	-710.9803	1057.0853
## 40	-1397.4253	-390.9185	-635.0597	-478.440785	-448.4989	1693.4950
## 42	-1377.9218	-726.0223	-902.3924	-1190.389049	-835.4164	-208.0749
## 47	-981.4136	-517.4118	-776.6428	-665.543793	-765.7508	475.9442
## 48	-1547.8943	-909.8726	-1062.3010	-1439.016860	-1210.3743	285.6015
## 49	-760.5926	-745.3161	-891.5334	-1055.209469	-1063.9389	1186.0613
## 41	-1050.7186	-599.3259	-628.6664	-700.889244	-788.9108	732.2828
## 43	-1061.5874	-497.3524	-646.8326	-596.304060	-1183.6980	1229.0383
## 44	-885.5983	-515.1637	-971.9573	82.531313	-640.1570	1168.8364
## 45	-989.6161	-438.3569	-888.7760	-3.624026	-1182.3327	287.6918
## 46	-607.5691	-643.5623	-708.8000	-301.626910	-657.0598	384.4935
## 70	-876.9451	-676.9965	-670.2566	-735.408414	-519.7335	223.8955
## 72	-989.7755	-703.9417	-909.0966	-957.503952	-780.0104	1257.7080
## 68	-1208.4416	-868.0776	-994.6232	-1476.805465	-1197.5325	1691.1975
##	J05249_at	J05257_at	J05272_at	J05401_at	J05428_at	J05448_at
## 39	1917.515	3346.55876	1870.3097	-721.7089	-644.4633	-1369.7136
## 40	2347.609	-252.72529	498.1242	-858.4720	-565.9631	-1010.4845
## 42	1557.858	1252.00121	1365.8604	-922.4852	-621.0933	-630.0235
## 47	2970.226	-110.04867	1469.3002	-831.1031	-600.1914	-665.5438
## 48	6225.954	1646.56933	843.0539	-1027.4602	-929.4705	-905.5175
## 49	4341.736	-697.30450	2091.7354	-778.0514	-374.3171	-1847.4016
## 41	2318.928	-646.72211	1646.3531	-958.1831	-583.5271	-533.8739

## 43	1866.961	2928.05939	612.1694	-726.8360	-320.5026	-783.6806	-802.6288
## 44	2496.038	3325.53830	873.3978	-592.4323	-896.9613	-646.9748	-451.5308
## 45	2051.273	-158.24551	428.8679	-691.5776	-877.5715	-1056.8428	-254.6038
## 46	1651.004	532.96544	1088.6105	-652.5606	-531.0836	-389.3603	-614.3178
## 70	1326.983	39.67316	945.0583	-488.2810	-564.6658	-739.9016	-867.9586
## 72	1739.476	268.81525	877.3646	-883.7404	-703.9417	-881.4353	-630.1781
## 68	3742.109	-1160.44153	1706.4703	-1156.0779	-898.6231	-896.4413	-638.9865
##	J05500_at	J05556_at	J05614_at	J05682_at	K01383_at	K01396_at	K01884_at
## 39	-408.43513	-573.6549	6653.0991	-196.0098	580.73755	-9.332918	-620.8605
## 40	970.28417	-179.0223	235.5572	-303.3961	452.05982	-351.763722	-729.4917
## 42	1926.22594	-281.7484	7962.9931	-558.5824	-203.60980	39.736210	-891.2297
## 47	-127.47597	-452.0594	4614.9275	-617.6187	251.56776	-188.471512	-730.8962
## 48	-380.72830	-742.2013	11275.6887	-572.3526	-180.39384	-894.629741	-1049.2357
## 49	380.77509	-300.1173	5384.8976	-369.9524	531.35706	164.722705	-376.4994
## 41	-66.68242	-240.4686	7232.3385	-484.2207	-123.10651	-515.818212	-727.9728
## 43	641.64439	2664.8901	9452.5530	-331.0294	24.77552	778.492436	-512.0899
## 44	282.52053	-256.0868	15172.6269	-251.5416	-465.16643	-321.992333	-819.6928
## 45	-185.13620	-173.9317	9278.1465	-126.8730	-164.96818	-431.634207	-734.1545
## 46	-191.39773	-438.8510	3187.4640	-607.5691	137.04023	-461.346739	-479.3433
## 70	-74.90411	-241.1535	2027.9259	-337.7579	-236.66027	-265.866241	-418.6359
## 72	-427.32836	-265.9706	3366.8848	-641.7037	204.27214	-67.730996	-929.8426
## 68	-490.62272	-462.2591	6569.7476	-562.6228	-302.98618	24.286855	-998.9868
##	K01911_at	K02054_at	K02100_at	K02215_at	K02268_at	K02402_at	
## 39	1400.39907	-236.7783	-247.5068	-391.2694	-361.22949	-695.9604	
## 40	-821.62047	-351.7637	-331.0347	-833.1366	-165.20296	-625.8468	
## 42	8074.61971	-670.2090	-654.5813	-723.7898	-299.60869	-761.7429	
## 47	-780.99964	-434.6321	-293.0353	-839.8168	-40.33948	-802.7838	
## 48	8562.46330	-979.5541	-591.9505	-1057.9459	-1025.28265	-1155.9356	
## 49	-14.22978	-516.1697	-485.6168	-863.1629	-1258.16777	-978.8273	
## 41	-348.80289	-802.4526	-802.4526	-727.9728	-615.12462	-782.1399	
## 43	1092.19026	-309.9758	-562.6184	-389.9793	-451.03460	-491.0363	
## 44	5679.95682	-751.5146	-617.4310	-558.3432	-165.18260	-544.7076	
## 45	4688.80173	-485.4156	-812.5857	-599.7010	-102.22323	-568.3286	
## 46	4438.22773	-310.6252	-616.5674	-600.8204	-213.89348	-663.8085	
## 70	127.29108	-405.1563	-209.7009	-526.4734	342.96596	-665.7634	
## 72	6073.08547	-579.4657	-501.0919	-899.8762	-1148.82819	-842.2484	
## 68	-907.35038	-926.9868	-850.6231	-857.1685	-994.62319	-1044.8051	
##	K02545_cds2_at	K02574_at	K02765_at	K03008_cds1_at	K03008_cds2_at		
## 39	-339.7724	2144.961	-629.4433	-1168.0167	-371.95804		
## 40	-605.1178	2663.150	822.8781	-347.1573	81.24151		
## 42	-482.6763	5266.094	-1936.0548	-906.8575	-158.95916		
## 47	-314.8194	2375.520	-981.4136	-889.9203	147.00397		
## 48	-907.6950	6278.215	-807.5278	-1229.9722	-213.05707		
## 49	-258.6527	2004.442	-1077.0329	-542.3578	791.05640		
## 41	-479.7068	2689.070	-831.7931	-759.5703	-579.01320		
## 43	-320.5026	3216.493	-848.9466	-632.0951	-259.44734		
## 44	-460.6212	1216.561	-569.7063	-862.8723	-326.53754		
## 45	-373.3710	2494.969	-958.2436	-420.4298	-84.29610		
## 46	-627.8153	1570.020	-468.0955	-803.2821	-438.85099		
## 70	-501.7606	1176.459	-1022.9749	-614.0913	-144.54912		
## 72	-597.9066	1780.968	-826.1126	-964.4193	-76.95144		
## 68	-900.8049	4075.927	-1577.1692	-887.7140	-486.25908		
##	K03021_at	K03195_at	K03218_at	K03430_at	K03460_at	K03474_at	K03515_at
## 39	-320.460983	104.3898	-526.4492	323.25225	349.0008	-1052.14836	2782.237

## 40	-169.809395	875.8522	-455.4086	-206.66090	647.8335	-377.09913	1274.309
## 42	-7.146967	4536.0561	-364.3521	-234.86525	872.4707	-1181.45892	1361.395
## 47	-1118.653540	883.3073	-730.8962	724.28322	1647.9300	-421.56162	1273.243
## 48	-833.658383	721.1112	-729.1361	-665.98715	2837.6884	-552.75463	2077.724
## 49	666.662598	590.2804	-548.9049	273.84007	1585.4308	27.23482	3708.855
## 41	-461.651081	558.4966	-278.8370	-102.79384	1869.7925	-190.81543	3783.698
## 43	-345.766873	2418.5636	-122.5993	342.68405	570.0623	-345.76687	2818.581
## 44	-744.696817	280.2479	-362.8992	-108.36749	1614.2669	-369.71703	2884.653
## 45	-1294.377243	220.4651	-1009.7841	74.80716	2519.6192	142.03389	2335.866
## 46	-344.368836	-22.6796	-726.7966	-40.67620	998.6275	-537.83229	3018.746
## 70	-279.345921	592.3400	-362.4706	-144.54912	2701.9099	-164.76864	3991.466
## 72	-431.938579	1038.7224	-588.6861	169.69547	794.3806	-925.23239	1674.933
## 68	-859.350339	126.8324	-691.3502	-226.62247	1632.2884	-1132.07787	4689.019
##	L00137_cds1_at	L00352_at	L00354_at	L00635_at	L00972_at	L01042_at	
## 39	-123.05559	-419.16368	-648.7547	484.18056	228.84098	-680.9404	
## 40	-165.20296	76.63507	-685.7305	468.18236	12.14493	-303.3961	
## 42	10.71329	-158.95916	-766.2079	314.33767	-442.49075	-822.0212	
## 47	-513.05494	255.92459	-757.0371	325.63378	-210.25563	-639.4028	
## 48	-740.02380	-520.09140	-1229.9722	61.31404	-814.06045	-888.0971	
## 49	-841.33943	-719.12798	-520.5344	-256.47034	-363.40536	-487.7992	
## 41	-321.71933	-285.60790	-752.7994	-466.16501	-127.62044	-522.5891	
## 43	-661.57005	-400.50609	-924.7394	363.73760	-147.86355	-566.8291	
## 44	-83.36883	-374.26224	-521.9816	-578.79667	-328.81015	-551.5254	
## 45	133.07032	41.19379	-637.7962	-339.75768	-431.63421	-572.8103	
## 46	-409.60651	-227.39093	-614.3178	-162.15326	-402.85779	-594.0717	
## 70	-11.99894	-173.75510	-452.3351	-463.56821	-133.31606	-569.1590	
## 72	-150.71500	513.15705	-823.8075	10.64279	-567.94014	-798.4513	
## 68	-512.44092	-710.98656	-785.1685	-326.98620	-475.34998	-918.2595	
##	L01087_at	L01406_at	L01664_at	L02320_at	L02321_at	L02426_at	L02547_at
## 39	-283.9839	-153.0955	-324.7524	-391.2694	218.11243	1243.7622	-1125.1025
## 40	-955.2072	-1077.2778	-644.2726	-671.9112	106.57692	961.0713	-499.1698
## 42	-1331.0386	-1134.5757	-413.4678	-605.4656	-243.79538	2591.5205	-757.2778
## 47	-334.4251	-513.0549	-443.3457	-576.2289	-86.08614	1264.5295	-484.7356
## 48	-1264.8130	-1145.0478	-949.0685	-1049.2357	-946.89090	4762.6412	-705.1830
## 49	-1127.2269	-243.3763	-677.6634	-908.9922	502.98655	808.5152	-640.5635
## 41	-955.9262	-700.8892	-700.8892	-574.4993	-707.66014	2801.9186	-459.3941
## 43	-1112.1159	-844.7359	1730.1127	-632.0951	-808.94487	1016.3975	-651.0433
## 44	-762.8777	-674.2461	-453.8034	-521.9816	-178.81823	2932.3777	-637.8844
## 45	-747.5998	-727.4318	-474.2111	-653.4824	-962.72537	1724.1029	-749.8407
## 46	-893.2651	-789.7847	-497.3399	-506.3382	-657.05977	1615.0110	-688.5538
## 70	-614.0913	-672.5032	-265.8662	-809.5467	-43.45153	1628.0287	-546.6929
## 72	-809.9768	-1102.7260	-694.7213	-816.8922	-348.95457	1949.2414	-745.4337
## 68	-1046.9869	-1334.9871	-811.3503	-1018.6232	-881.16854	4717.3822	-671.7138
##	L02648_at	L02785_at	L02840_at	L02867_at	L02932_at	L02950_at	L03427_at
## 39	597.90324	-876.2001	-108.03561	-2006.9897	-361.2295	-515.7207	-685.2318
## 40	-902.23314	-165.2030	-358.67338	-701.8531	-404.7378	-734.0981	-952.9040
## 42	-89.75066	-598.7680	-525.09444	-1136.8083	-558.5824	-458.1185	-741.6501
## 47	-621.97555	-639.4028	-467.30828	-661.1870	-284.3217	-142.7249	-1014.0898
## 48	-1499.98822	-866.3216	-827.12574	-959.9562	-840.1910	-877.2094	-1243.0375
## 49	-441.96986	-836.9747	-55.69438	1146.7790	-385.2288	-186.6352	-712.5809
## 41	-1152.28200	-628.6664	-624.15247	-739.2576	-389.4282	-1382.4923	-827.2792
## 43	-1238.43719	-349.9776	-566.82910	-101.5457	-425.7703	-501.5631	-581.5666
## 44	-508.34592	-710.6077	-592.43230	-781.0585	-651.5200	-2990.0303	-1965.0856
## 45	-1294.37724	-711.7456	-561.60589	-1155.4420	-805.8630	-4911.1753	-3427.7055

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## 46 -825.77790 -675.0564 -366.86459 -609.8187 -497.3399 -380.3620 -560.3280
## 70 -899.41118 -647.7905 -508.50047 -153.5356 -396.1698 -614.0913 -753.3813
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## 39 5492.270 228.8409800 -1389.0250 -1080.04260 -537.1778 -547.9063 52.89270
## 40 548.795 1057.8065073 -1701.4502 792.93628 -515.2923 113.4866 32.87391
## 42 3234.490 -105.3783847 -1752.9872 325.50034 -683.6042 -404.5377 -62.96027
## 47 1935.480 218.8915775 -1229.7526 201.46428 -504.3413 -452.0594 201.46428
## 48 4612.390 329.1525042 -1730.8084 87.44462 -448.2323 -713.8932 461.98296
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## 44 4457.295 125.7108037 -2076.4432 1116.56648 -569.7063 -431.0774 -444.71299
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## 70 2304.259 -0.7658752 -2260.8588 387.89822 -443.3487 -510.7471 -375.95029
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## L04947_at L04953_at L05147_at L05148_at L05424_cds2_at L05425_at
## 39 -1483.436 342.56365 -1343.9650 1084.97959 -1519.9133 -303.29530
## 40 -2079.178 327.68598 -1443.4897 113.48658 -1913.3464 -310.30577
## 42 -1257.365 -507.23419 -1051.9721 86.61939 -906.8575 -433.56062
## 47 -1205.790 -343.13878 -434.6321 709.03433 -848.5304 -118.76232
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## 44 -1367.391 -47.00716 -781.0585 1055.20615 -660.6104 -556.07062
## 45 -1464.685 -34.99650 -1106.1424 408.69992 -1789.6142 -256.84471
## 46 -1266.695 193.27960 -873.0190 303.50878 -339.8697 -227.39093
## 70 -1447.585 255.34804 -915.1375 1106.81447 -223.1806 -191.72800
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## L05500_at L05512_at L05515_at L05568_at L05597_at L05606_at L05779_at
## 39 -1725.9016 -163.8241 -1202.3481 -788.2259 -794.6631 -1318.2165 535.677623
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## 42 -1304.2482 -630.0235 -1168.0637 -375.5148 -732.7199 -1272.9927 1.783162
## 47 -765.7508 -251.6455 -621.9755 -110.0487 -674.2574 -1142.6161 -314.819422
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## 49 -1692.4549 -542.3578 -1362.9204 295.6635 -756.2279 -1832.1251 950.367754
## 41 -1301.2416 -296.8927 -782.1399 -445.8523 -732.4867 -1312.5264 -278.837014
## 43 -537.3541 -219.4456 -834.2091 -722.6253 -552.0916 -888.9483 -208.918829
## 44 -1010.5916 -301.5389 -1526.4729 -924.2326 -617.4310 -1399.2070 -374.262242
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## 72 -1630.5964 -676.2804 -1111.9464 -519.5328 -796.1462 -1575.2738 -196.817228
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## L06132_at L06139_at L06147_at L06175_at L06419_at L06499_at L06505_at
## 39 591.4661 -758.1860 -2860.983 -685.23182 -923.4057 77045.29 10474.61
## 40 1854.7204 -1070.3682 -2790.873 -229.69310 -1892.6175 65326.84 26257.33
## 42 1147.0722 -942.5780 -3987.752 -779.60312 -2527.6759 62631.01 20161.55
## 47 3292.6313 -996.6625 -2186.076 -314.81942 -1691.5760 81652.30 25845.73

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## 48	4375.0376	-1430.3067	-2906.685	368.34838	-2841.3581	32495.90	22672.98
## 49	5821.3671	-906.8098	-5273.687	-553.26958	-1456.7614	63686.31	15689.94
## 41	1506.4214	-834.0501	-3043.618	-737.00066	-1515.6532	69481.66	33182.91
## 43	1521.6826	-844.7359	-2432.173	-177.33851	-1728.9848	75918.59	22194.16
## 44	2048.3344	-683.3365	-1740.098	71.16829	-1603.7414	66028.98	15852.14
## 45	1798.0523	-687.0958	-2300.537	-196.34065	-1220.4278	48991.22	26743.65
## 46	890.6479	-567.0768	-2288.002	-200.39603	-630.0649	64740.34	27899.05
## 70	3425.3194	-645.5439	-1980.032	-685.98292	-1245.3896	70286.78	27347.26
## 72	766.7193	-1379.3393	-2723.219	-694.72127	-1483.0693	61635.49	21206.14
## 68	3912.2905	-1193.1688	-2312.443	-1417.89632	-1038.2596	42504.33	28156.68
##	L06633_at	L06845_at	L06895_at	L07033_at	L07044_at	L07077_at	
## 39	-537.1778	-1022.108411	-1743.067	306.086568	-573.6549	-522.1578	
## 40	-360.9766	-1259.232138	-2846.150	233.253987	-1123.3422	-676.5176	
## 42	-304.0738	-1297.550596	-1936.055	-223.702593	-71.8904	-685.8368	
## 47	-1051.1228	-9.841708	-1288.570	-210.255634	-247.2886	-554.4448	
## 48	-846.7237	-633.323923	-1835.331	4.697781	-522.2690	-831.4808	
## 49	-564.1813	-869.709943	-2606.858	380.775094	-843.5218	-448.5169	
## 41	-416.5118	-290.121833	-1712.009	-134.391330	-533.8739	-572.2423	
## 43	-552.0916	706.910383	-1617.401	-223.656311	-642.6219	-537.3541	
## 44	-737.8790	993.845819	-1806.003	-160.637395	-558.3432	-637.8844	
## 45	-563.8468	-944.798246	-1435.553	-229.954017	-613.1464	-599.7010	
## 46	-479.3433	-672.806794	-1514.148	-24.929178	-454.5980	-623.3161	
## 70	-259.1264	-924.123929	-1982.279	-274.852694	-984.7825	-432.1156	
## 72	-155.3252	-906.791504	-1543.002	-307.462570	-597.9066	-745.4337	
## 68	-235.3498	641.741980	-1677.533	-97.895078	-824.4412	-922.6231	
##	L07493_at	L07515_at	L07540_at	L07541_at	L07548_at	L07590_at	L07592_at
## 39	-391.26944	12.12419	-1363.276	-610.1319	539.969045	-489.97214	-2069.2153
## 40	120.39624	-455.40859	-2696.441	-577.4792	751.478337	-61.55809	-1033.5166
## 42	-33.93735	-719.32475	-1351.131	-618.8608	-74.122933	-663.51144	-411.2353
## 47	42.44019	-526.12541	-1088.156	-558.8016	138.290324	-438.98892	-940.0237
## 48	220.27508	-866.32161	-1881.059	-726.9585	-75.871513	-881.56445	-1018.7500
## 49	-90.61194	-376.49944	-2938.575	-433.2405	636.109735	-588.18713	-2842.5520
## 41	310.23054	321.51536	-1357.666	-452.6232	-391.685204	-529.36000	-603.8398
## 43	-93.12433	-152.07426	-1663.719	-400.5061	-411.032863	-440.50783	-1328.9674
## 44	68.89568	34.80661	-1042.408	-458.3486	-6.100272	-381.08006	-1674.1922
## 45	202.53795	-722.95004	-1661.883	-389.0573	240.633093	-483.17470	-754.3225
## 46	-132.90878	-420.85439	-1259.946	-501.8391	-60.922379	-463.59631	-1178.9612
## 70	-234.41366	-521.98015	-1155.525	-382.6901	-202.961069	-373.70368	-1836.2489
## 72	-660.14460	-763.87460	-1432.357	-680.8906	-374.310797	-736.21327	-1870.3280
## 68	-204.80427	-617.16829	-1452.805	-728.4411	-455.713596	-994.62319	-850.6231
##	L07594_at	L07597_at	L07633_at	L07738_at	L07758_at	L07765_at	L07868_at
## 39	-820.4116	-695.9604	11071.118	-1369.7136	-178.84407	-174.552649	-695.9604
## 40	-628.1500	141.1252	4689.983	-671.9112	548.79504	74.331854	-641.9694
## 42	-938.1129	-918.0201	9530.231	-2005.2633	-80.82053	-846.579085	-962.6708
## 47	-881.2066	188.3938	8061.176	-1055.4796	22.83448	-726.539336	-839.8168
## 48	-1064.4785	1309.0493	11415.052	-1199.4865	255.11586	-672.519796	-1025.2826
## 49	-812.9689	-647.1105	8095.373	-1319.2735	786.69170	29.417169	-457.2463
## 41	-678.3196	1025.6881	5927.813	-1450.2012	520.12817	-168.245787	-624.1525
## 43	-762.6271	-436.2971	3172.281	-1457.3941	-440.50783	-6.804796	-632.0951
## 44	-353.8088	-178.8182	8938.872	-596.9775	-292.44847	314.336998	-528.7994
## 45	-469.7294	88.2525	7662.464	-1215.9461	-301.66253	-126.873031	-601.9419
## 46	-589.5725	618.4493	5045.613	-297.1278	-292.62861	-252.136259	-634.5640
## 70	-602.8582	-477.0479	4245.333	-1135.3056	89.09866	-178.248323	-575.8989
## 72	-697.0264	-1008.2164	9212.647	-1838.0565	732.14262	-473.430582	-745.4337

## 68	-940.0777	3966.8360	13595.209	-1382.9872	1433.74272	-634.622855	-857.1685
##	L07949_at	L07956_at	L08069_at	L08177_at	L08187_at	L08246_at	L08424_at
## 39	-584.3834	-846.16013	2099.9008	-835.4316	1385.3791	1554.8902	-788.2259
## 40	-577.4792	-215.87378	-135.2611	-1012.7877	751.4783	-301.0929	-692.6402
## 42	-737.1850	-654.58131	888.0985	-810.8586	930.5166	3125.0958	-900.1599
## 47	-689.5063	238.49729	1120.7542	-685.1495	521.6909	1743.7801	-761.3939
## 48	-1005.6847	819.10091	6417.5780	-1190.7763	490.2911	2064.6586	-1290.9436
## 49	-703.8515	-690.75746	-280.4762	-871.8923	2521.6579	444.0632	-996.2861
## 41	-664.7778	165.78485	1508.6783	-784.3969	657.8030	1513.1922	-258.5243
## 43	-625.7790	14.24875	1527.9986	-773.1538	580.5891	721.6479	-446.8239
## 44	-558.3432	-362.89922	1780.1671	-644.7022	816.5826	671.1359	-694.6995
## 45	-498.8609	-653.48242	2506.1739	-554.8832	567.8032	8146.4965	-619.8691
## 46	-571.5759	-103.66431	1592.5153	-639.0632	344.0011	2816.2841	-560.3280
## 70	-546.6929	-299.56544	457.5432	-647.7905	738.3699	4193.6611	-701.7092
## 72	-823.8075	-473.43058	3168.6452	-768.4848	1130.9269	3751.8384	-952.8937
## 68	-957.5322	864.28764	2550.8347	-966.2595	273.0144	8131.9308	-974.9868
##	L08485_at	L08488_at	L08666_at	L09190_rna1_at	L09234_at	L09235_at	L09260_at
## 39	-584.3834	-236.7783	1913.2240	-273.2553	-717.4175	-221.7583	121.5554
## 40	-351.7637	-397.8281	1617.4888	-149.0804	-648.8790	-483.0472	523.4596
## 42	-710.3946	-955.9732	4638.7526	-507.2342	-752.8127	-529.5595	249.5942
## 47	-539.1959	-630.6892	1369.0932	-443.3457	-635.0460	-142.7249	434.5544
## 48	-996.9745	-918.5828	2291.1237	-755.2666	-1036.1704	-613.7260	1228.4800
## 49	-712.5809	-221.5528	948.1854	-171.3588	-902.4452	-256.4703	1168.6025
## 41	-664.7778	-682.8335	1215.2730	-502.2764	-671.5487	-215.6420	1147.5641
## 43	-482.6149	-1057.3767	1060.6099	-339.4508	-798.4181	-187.8653	833.2317
## 44	-390.1705	-412.8965	1391.5517	-501.5281	-765.1503	-558.3432	1382.4612
## 45	-660.2051	-371.1302	841.1919	-297.1807	-814.8266	-727.4318	1022.7041
## 46	-652.5606	-857.2719	634.1963	-508.5878	-634.5640	-339.8697	991.8787
## 70	-548.9395	-578.1455	363.1855	-344.4977	-609.5981	-351.2375	861.9336
## 72	-846.8586	-982.8602	1792.4938	-623.2628	-805.3666	-475.7357	236.5437
## 68	-970.6232	-894.2595	5116.6553	-798.2594	-1053.5323	-689.1684	1857.0158
##	L09604_at	L09708_at	L09717_at	L09749_at	L09753_at	L10035_at	
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## 40	4227.0363	431.3308	-612.0275	-840.0462	-916.0525	-853.8655	
## 42	5308.5123	-219.2375	-726.0223	-828.7188	-911.3225	-661.2789	
## 47	4468.9739	-534.8391	-517.4118	-935.6669	-918.2396	-471.6651	
## 48	9207.0176	-809.7053	-709.5381	-1197.3090	-1312.7190	-1014.3949	
## 49	5190.6687	385.1398	-701.6692	-653.6576	-981.0097	-799.8748	
## 41	4390.8211	-441.3384	-603.8398	-707.6601	-732.4867	-933.3565	
## 43	2296.4530	-415.2436	-625.7790	-537.3541	-686.8343	-895.2644	
## 44	296.1562	-681.0639	-612.8857	-910.5970	-1165.1287	-940.1408	
## 45	7649.0187	-539.1970	-588.4966	-933.5938	-2199.6972	-1155.4420	
## 46	4006.3093	-531.0836	-558.0785	-373.6133	-828.0275	-497.3399	
## 70	3780.2843	-227.6738	-551.1861	-281.5925	-672.5032	-477.0479	
## 72	3945.4678	-468.8204	-420.4130	-1038.1828	-888.3506	-597.9066	
## 68	12942.8444	-715.3502	-673.8956	-924.8049	-1435.3509	-669.5320	
##	L10102_rna1_at	L10123_at	L10284_at	L10343_at	L10373_at	L10374_at	L10378_at
## 39	-620.8605	-573.65486	3078.345	-386.9780	591.46610	-798.9545	1305.9878
## 40	-397.8281	-418.55708	4784.415	-121.4418	53.60288	-600.5114	-155.9901
## 42	-545.1872	-634.48852	5123.212	-692.5344	838.98275	-726.0223	1122.5143
## 47	-1072.9069	-462.95145	6133.281	-626.3324	430.19757	-580.5857	292.9576
## 48	-1023.1051	-785.75232	6424.111	-779.2197	1343.89010	-986.0868	533.8421
## 49	-527.0814	-293.57024	5513.656	-184.4529	-463.79333	-258.6527	424.4220
## 41	-732.4867	-592.55498	3758.871	-479.7068	-624.15247	-642.2082	1077.5982

## 43	-606.8308	-636.30580	2751.210	-415.2436	944.81544	-440.5078	414.2661
## 44	-603.7953	-319.71973	2934.650	-503.8007	1923.34116	-731.0612	914.3047
## 45	-810.3448	-41.71917	3819.336	-274.7718	-223.23134	-460.7658	852.3963
## 46	-600.8204	-612.06827	2748.797	-567.0768	-292.62861	-672.8068	501.4714
## 70	-326.5248	-535.45983	2897.365	-607.3515	-196.22123	-515.2403	679.9579
## 72	-632.4833	-551.80437	4026.147	-224.4786	335.66348	-872.2148	559.2593
## 68	-970.6232	-647.71378	7667.203	-595.3501	1830.83401	-868.0776	1416.2882
##	L10381_at	L10386_at	L10403_at	L10405_at	L10665_at	L10678_at	L10838_at
## 39	-882.6372	-60.82998	-1157.2882	-562.92630	-163.8241	-1011.3799	6423.508
## 40	-764.0400	-1171.70980	-1376.6963	249.37652	-584.3889	-1201.6517	1055.503
## 42	-915.7876	-2992.04256	-1297.5506	-679.13917	-554.1174	-844.3466	5415.674
## 47	-571.8721	-1334.31635	-674.2574	-521.76859	-735.2530	-826.7463	2321.059
## 48	-979.5541	-1225.61711	-1395.4659	-898.98484	-940.3583	-1031.8153	6628.800
## 49	-1077.0329	-103.70602	-1539.6906	-84.06489	-841.3394	-782.4160	4034.025
## 41	-700.8892	-565.47142	-752.7994	-441.33841	-461.6511	-825.0223	3488.036
## 43	-773.1538	-2731.13353	-1036.3232	-259.44734	-227.8670	-777.3645	3050.170
## 44	-749.2420	232.52323	-399.2609	-381.08006	-515.1637	-815.1476	4470.931
## 45	-803.6221	-713.98647	-1005.3023	-563.84678	-411.4662	-740.8772	4251.828
## 46	-560.3280	-614.31784	-780.7864	-688.55382	-542.3314	-722.2974	6942.005
## 70	-490.5276	-870.20521	-504.0072	-465.81482	-407.4029	-739.9016	4485.721
## 72	-939.0631	-1086.59018	-1496.9000	-690.11104	-579.4657	-773.0950	2935.829
## 68	-996.8050	-2556.80648	-1664.4420	-835.35032	-752.4411	-1060.0778	4597.382
##	L10844_at	L10910_at	L11005_at	L11239_at	L11285_at	L11329_at	
## 39	-507.1378	286.7751714	-700.2518	-474.952160	1492.6646	-3912.3808	
## 40	-317.2154	730.7493626	-722.5820	-918.355677	1027.8647	-2496.0609	
## 42	-1051.9721	1702.9727219	-650.1162	-4.914434	1227.4434	-500.5366	
## 47	-1338.6732	1223.1396218	-698.2200	-64.302014	1273.2431	-589.2994	
## 48	-1571.8473	1522.4490703	-1099.3193	-178.216291	1701.0080	-2741.1909	
## 49	-417.9640	40.3289055	-278.2938	-1155.597447	1373.7431	-1744.8312	
## 41	-994.2945	508.8433524	-592.5550	-962.697045	1635.0683	-2027.9840	
## 43	-651.0433	39.5130029	-349.9776	475.321387	1553.2629	-899.4751	
## 44	-1321.9384	0.7175423	-503.8007	-687.881698	1936.9768	-1846.9101	
## 45	-1092.6971	36.7120118	-413.7071	-570.569449	460.2404	-433.8751	
## 46	-560.3280	-245.3875337	-594.0717	-614.317843	1300.0705	-483.8425	
## 70	-452.3351	-20.9853946	-504.0072	17.207031	2412.0968	850.7006	
## 72	-1655.9527	2509.3834210	-936.7580	-929.842617	1128.6218	-890.6557	
## 68	-1522.6237	2760.2894255	-778.6230	-1012.077756	1171.9243	-1472.4418	
##	L11353_at	L11369_at	L11370_at	L11372_at	L11373_at	L11566_at	L11573_at
## 39	-65.1214	-629.443337	2254.3920	-893.3658	2621.3085	21269.68	-674.5033
## 40	-662.6983	-1367.483446	3840.0955	-220.4802	707.7172	27749.82	-489.9569
## 42	-714.8597	-1554.291802	1606.9738	-589.8379	1129.2119	19248.44	-694.7669
## 47	-981.4136	-412.847973	1377.8069	-735.2530	2166.3921	18609.05	-558.8016
## 48	-655.0994	-1656.771708	1404.8615	-811.8829	3972.1911	27859.90	-983.9092
## 49	-601.2812	-734.404407	5945.7609	-697.3045	3833.2486	22402.84	-836.9747
## 41	-1095.8579	-186.301498	901.5551	-518.0752	3138.2062	35902.55	-732.4867
## 43	-726.8360	3.721976	824.8102	-107.8618	1153.2455	20520.40	-558.4077
## 44	-646.9748	-437.895175	1423.3681	-542.4350	1600.6313	32614.87	-569.7063
## 45	-1249.5594	-792.417658	1744.2710	-541.4379	2945.3885	39745.30	-539.1970
## 46	-796.5334	-4.683003	415.9875	-666.0581	1338.3133	28490.68	-558.0785
## 70	-730.9152	138.524148	1789.7849	-809.5467	1097.8280	28205.46	-645.5439
## 72	-408.8875	-623.262816	1287.6744	-768.4848	1283.0642	27247.84	-796.1462
## 68	-643.3501	-1057.895980	1267.9244	-911.7140	4782.8368	25780.67	-1042.6232
##	L11669_at	L11695_at	L11708_at	L12168_at	L12350_at	L12392_at	L12468_at
## 39	-13.62434	-897.6572	136.5754	2741.468	-444.9122	2187.8749	-419.1637

##	40	-24.70658	-565.9631	-225.0867	4247.765	-515.2923	1304.2510	-333.3380
##	42	1575.71838	-442.4908	-893.4623	2350.407	-493.8390	1334.6049	-652.3488
##	47	179.68016	-868.1361	-521.7686	3693.459	-693.8632	1181.7498	-238.5750
##	48	692.80310	-1003.5072	-681.2300	4285.758	-720.4259	1350.4227	-777.0421
##	49	-461.61099	-1192.6974	129.8051	7071.852	-723.4927	2665.6928	-385.2288
##	41	1402.60102	-558.7005	-409.7409	4275.716	-642.2082	459.1901	-522.5891
##	43	959.55292	-672.0968	-421.5596	2138.551	-432.0864	854.2852	-547.8809
##	44	-133.36614	-862.8723	-571.9789	3534.618	-496.9829	1005.2088	-474.2569
##	45	1517.94096	-819.3084	-368.8893	2996.929	-471.9702	1145.9531	-640.0371
##	46	332.75326	-702.0513	-555.8289	2512.591	-497.3399	1104.3575	-634.5640
##	70	-77.15073	-685.9829	-317.5383	2973.750	-481.5411	668.7249	-456.8284
##	72	3057.99991	-807.6717	-418.1079	4793.749	-537.9737	1435.2016	-549.4993
##	68	2406.83455	-1070.9869	-470.9863	5849.747	-896.4413	820.6512	-787.3503
##		L12535_at	L12701_cds2_at	L12723_at	L13042_at	L13197_at	L13203_at	
##	39	-444.912209	-277.5468	37.87272	-185.28120	-382.68660	2694.262679	
##	40	422.117972	-390.9185	-625.84682	-68.46774	-1028.91020	663.956002	
##	42	57.596468	-420.1654	-650.11625	-469.28114	-813.09110	838.982749	
##	47	9.764002	-406.3127	-251.64547	-430.27527	68.58113	2064.006748	
##	48	-73.693964	-1014.3949	-293.62636	-798.81761	-809.70535	512.066576	
##	49	116.711063	-974.4626	-228.09982	321.85171	-507.44028	2347.070064	
##	41	-360.087710	-461.6511	-165.98882	-551.92963	-608.35373	95.818977	
##	43	-173.127803	-990.0054	24.77552	-381.55790	-537.35413	3.721976	
##	44	-367.444428	-199.2717	600.68520	-410.62392	-717.42556	-49.279762	
##	45	-34.996500	-563.8468	88.25250	-236.67669	-727.43182	-117.909467	
##	46	-297.127760	-398.3586	-90.16685	-216.14306	-432.10226	319.255805	
##	70	-135.562671	-351.2375	-202.96107	-393.92320	-220.93398	12.713804	
##	72	-226.783675	-826.1126	254.98458	-697.02638	-713.16216	1008.755974	
##	68	-28.076831	-926.9868	351.55989	-835.35032	-929.16859	-422.986293	
##		L13210_at	L13258_at	L13278_at	L13286_at	L13329_at	L13391_at	L13434_at
##	39	1312.42493	-485.6807	-485.68071	-717.4175	-846.1601	-809.68304	1057.0853
##	40	-2569.76394	-641.9694	-98.40960	-699.5498	-476.1376	-727.18847	977.1938
##	42	870.23820	-973.8334	-505.00165	-661.2789	-659.0464	-596.53548	720.6585
##	47	-639.40285	-430.2753	-251.64547	-656.8301	-580.5857	-192.82834	358.3100
##	48	1687.94275	-1112.3846	-12.72261	-992.6194	-851.0788	-1010.03981	181.0792
##	49	-769.32196	-703.8515	-433.24047	-922.0863	-644.9282	-983.19201	825.9740
##	41	-1662.35582	-700.8892	-389.42824	-615.1246	-551.9296	-71.19634	497.5585
##	43	-581.56658	-737.3628	-389.97932	-516.3006	-956.3197	-497.35240	-491.0363
##	44	-571.97886	-1831.0019	-551.52541	-835.6010	-610.6131	-799.23933	564.3235
##	45	1188.52999	-1274.2092	-375.61193	-754.3225	-422.6706	276.48735	684.3295
##	46	562.20991	-531.0836	-456.84759	-645.8119	-531.0836	-315.12436	218.0249
##	70	1237.11804	-616.3379	-286.08576	-555.6794	-450.0885	-331.01803	221.6488
##	72	-623.26282	-671.6702	-800.75638	-690.1110	-768.4848	-381.22613	831.2624
##	68	-34.62229	-1029.5323	-593.16827	-1062.2596	-905.1686	-715.35020	624.2874
##		L13436_at	L13689_at	L13698_at	L13720_at	L13738_at	L13761_rna1_at	
##	39	-577.94628	-75.84995	-644.4633	-2798.757	-1026.39983	-123.05559	
##	40	-966.72328	627.10449	-612.0275	-3212.362	809.05882	286.22803	
##	42	178.15321	216.10626	-578.6752	-3353.713	24.10848	225.03639	
##	47	-397.59909	397.52138	-656.8301	-2253.606	558.72389	-242.93182	
##	48	-446.05475	1156.62093	-1001.3296	-3002.497	1413.57165	76.55688	
##	49	1028.93226	-190.99991	-374.3171	-3815.879	629.56269	173.45209	
##	41	-527.10303	75.50630	-696.3753	-1718.780	734.53973	-3.48743	
##	43	-51.01724	140.57002	-122.5993	-2994.303	2296.45304	-202.60277	
##	44	-776.51328	566.59613	-535.6172	-2928.670	441.60286	91.62173	
##	45	-774.49053	200.29705	-285.9763	-3006.418	684.32951	231.66953	

##	46	-634.56402	-506.33824	-695.3025	-1930.319	721.92974	-209.39433	
##	70	-119.83638	-335.51125	-508.5005	-2427.108	-375.95029	-209.70091	
##	72	-358.17502	621.49728	-768.4848	-2677.117	605.36150	289.56125	
##	68	-841.89578	3879.56320	-946.6231	-3128.443	288.28710	338.46897	
##		L13800_at	L13848_at	L13852_at	L13923_at	L13972_at	L13977_at	L13994_at
##	39	-541.46919	793.1629	5294.864	280.338039	627.94319	-241.0697	-1286.0308
##	40	-61.55809	302.3506	6159.437	339.202077	472.78880	-181.3255	-1104.9164
##	42	-516.16432	1995.4344	1754.321	-384.444913	1075.63117	-484.9089	-1552.0593
##	47	404.05662	641.5036	2761.099	9.764002	550.01024	-314.8194	-1123.0104
##	48	-563.64237	705.8684	1807.708	-459.120045	381.41367	-195.6367	-1484.7454
##	49	-402.68761	1046.3910	3102.162	313.122325	980.92062	400.4162	-1997.9835
##	41	-116.33562	1328.1212	3783.698	-265.295231	-134.39133	-373.6295	-1028.1490
##	43	-234.18308	1340.6221	1885.909	-421.559635	115.30577	-309.9758	-981.5839
##	44	-97.00446	1327.9187	5407.244	-528.799365	91.62173	-787.8763	-1267.3959
##	45	-566.08767	886.0097	3187.405	-220.990453	126.34765	-570.5694	-1133.0331
##	46	-427.60311	604.9518	1916.454	-110.413030	274.26430	-321.8731	-958.5028
##	70	-450.08853	756.3428	3405.100	-36.711688	349.70579	-135.5627	-843.2459
##	72	-620.95770	1836.2909	1949.241	-219.868341	361.01970	-740.8235	-1536.0869
##	68	-383.71353	2151.5616	5963.202	-403.349911	-654.25924	122.4688	-1758.2603
##		L14076_at	L14269_at	L14542_at	L14565_at	L14595_at	L14754_at	L14787_at
##	39	447.7035	-262.5268	-938.4257	-412.72655	-1732.3387	1297.4050	-449.20363
##	40	818.2717	-363.2798	-701.8531	-2192.03597	-370.1895	947.2520	-492.26010
##	42	495.1728	-723.7898	-737.1850	-190.21461	-1172.5288	1030.9805	-29.47229
##	47	650.2172	-434.6321	-693.8632	-201.54199	-772.2860	329.9906	-351.85243
##	48	1655.2795	-868.4992	-1079.7214	-334.99978	-1136.3376	684.0929	-509.20366
##	49	304.3929	-542.3578	-850.0688	182.18148	-1238.5266	1471.9488	-193.18226
##	41	1021.1741	-648.9791	-567.7284	-240.46863	-987.5236	614.9207	563.01048
##	43	458.4786	-516.3006	-718.4146	-657.35934	-1284.7550	797.4406	-278.39553
##	44	768.8579	-944.6860	-681.0639	-569.70625	-683.3365	173.4355	-342.44578
##	45	567.8032	-895.4986	-622.1099	-2069.72553	-471.9702	-306.1443	16.54399
##	46	227.0232	-454.5980	-607.5691	-15.93088	-951.7541	402.4901	-414.10566
##	70	-38.9583	-418.6359	-739.9016	-420.88256	-627.5710	1041.6627	-344.49771
##	72	2131.3452	-726.9928	-989.7755	354.10437	-1676.6987	-399.6670	-358.17502
##	68	1427.1973	-935.7140	-870.2594	-913.89585	-846.2594	-261.5316	-479.71362
##		L14812_at	L14813_at	L14837_at	L14856_at	L14922_at	L14927_at	L15309_at
##	39	312.52370	4254.194	-320.4610	767.41439	-464.2236	-2015.5725	-101.59848
##	40	-126.04823	6157.134	-344.8541	1288.12844	-499.1698	-7602.2982	-188.23515
##	42	-272.81830	6219.385	-578.6752	88.85192	-330.8641	-4561.5127	-467.04861
##	47	-90.44296	4693.350	-639.4028	251.56776	-621.9755	-401.9559	-417.20480
##	48	-376.37320	4749.576	-994.7970	226.80773	244.2281	-4764.1334	-578.88521
##	49	160.35801	8887.565	-374.3171	1578.88379	-472.5227	-5635.9566	-62.24142
##	41	190.61146	3366.160	-653.4930	377.93945	-547.4157	-838.5640	-497.76250
##	43	50.03978	6896.653	-611.0415	399.52862	-661.5700	-762.6271	39.51300
##	44	-97.00446	3939.142	-399.2609	825.67307	-619.7036	-2746.8616	-340.17317
##	45	133.07032	5818.211	-344.2395	883.76881	-510.0654	-1531.9117	-272.53095
##	46	-150.90538	6188.397	-443.3501	1009.87535	-578.3246	-2897.6365	-380.36204
##	70	55.39946	5507.930	-319.7850	852.94717	-407.4029	-3700.9379	-432.11562
##	72	-150.71500	3611.227	-648.6190	181.22102	-496.4817	-1118.8617	-521.83792
##	68	-228.80429	3801.018	-824.4412	65.74144	-983.7141	-2864.4431	-662.98652
##		L15344_at	L15388_at	L15409_at	L15440_at	L15533_rna1_at	L15702_at	
##	39	-71.55853	-1348.2565	297.50373	-3648.458	-700.2518	2415.3203	
##	40	-1620.83757	-155.9901	-427.76996	-3339.039	-715.6724	1018.6518	
##	42	-1576.61712	-1502.9436	-469.28114	-4733.418	-522.8619	2678.5893	
##	47	-1210.14685	-600.1914	-273.42959	-2726.322	-447.7026	1257.9942	

## 48	-1386.75570	-918.5828	-341.53243	-4544.201	-1071.0112	1831.6610	
## 49	-3322.66837	-2604.6761	444.06317	-8132.562	-448.5169	3265.8383	
## 41	-554.18660	-1964.7890	-211.12810	-3443.100	-725.7158	745.8246	
## 43	-971.05716	-1653.1920	-457.35066	-1320.546	-733.1521	2231.1870	
## 44	-1401.47959	-1635.5579	57.53266	-2712.773	-687.8817	391.6056	
## 45	-1381.77199	-375.6119	-46.20096	-4095.491	-395.7800	236.1513	
## 46	-1048.48583	-891.0156	-81.16855	-2845.896	-679.5555	978.3813	
## 70	-1281.33544	-1061.1673	-164.76864	-3608.827	-587.1319	1506.7116	
## 72	-1455.40799	-982.8602	280.34081	-4403.645	-869.9097	1236.9620	
## 68	-719.71384	-1304.4417	-117.53146	-5519.718	-961.8959	1263.5607	
##	L16464_at	L16782_at	L16842_at	L16862_at	L16895_at	L16896_at	L16991_at
## 39	810.32860	5.687058	1514.1217	2788.6740	-294.71245	-981.3399	-459.9322
## 40	-135.26111	-434.679618	283.9248	2444.3445	967.98095	-425.4667	516.5500
## 42	-420.16543	-203.609803	1461.8592	1276.5591	-598.76801	-757.2778	280.8497
## 47	489.01470	-430.275271	1003.1200	1007.4768	-489.09240	-452.0594	-1051.1228
## 48	-763.97683	-665.987150	2140.8728	2175.7136	-890.27464	-922.9379	-631.1464
## 49	1124.95554	204.004957	749.5918	5140.4747	-99.34133	-1707.7313	1277.7199
## 41	-254.01041	-299.149688	2138.3712	1887.8482	-346.54593	-323.9763	-172.7597
## 43	125.83254	-234.183084	976.3958	1881.6982	-339.45081	-819.4716	-1152.1177
## 44	-410.62392	-590.159693	2375.5895	887.0334	-210.63470	-340.1732	-410.6239
## 45	-512.30628	-608.664596	1119.0624	982.3680	-288.21718	-2728.5475	-917.9076
## 46	-162.15326	-324.122661	1034.6207	1167.3456	-360.11586	-369.1142	-184.6490
## 70	75.61898	-366.963838	756.3428	1859.4299	-306.30528	-375.9503	-663.5168
## 72	89.01657	-438.853913	1091.7400	2905.8626	-743.12860	-1081.9800	-335.1239
## 68	-811.35029	-833.168496	4195.9271	1006.1060	-804.80483	-647.7138	266.4689
##	L17128_at	L17131_rna1_at	L17325_at	L17327_at	L17328_at	L17330_at	
## 39	-314.0239	8268.819	-996.3599	-56.53856	-309.7324	-762.47741	
## 40	-199.7512	2444.345	-752.5239	90.45439	-220.4802	-872.29129	
## 42	-770.6730	8748.844	-817.5562	240.66411	-484.9089	-1141.27334	
## 47	-452.0594	8546.962	-680.7927	-397.59909	-371.4581	-761.39393	
## 48	-696.4728	11125.438	-1155.9356	-36.67564	-546.2220	-1155.93556	
## 49	-396.1406	3460.067	-915.5392	188.72853	-116.8001	68.69942	
## 41	-727.9728	9895.556	-707.6601	-109.56473	-459.3941	-599.32587	
## 43	-339.4508	4431.283	-712.0986	226.88955	-371.0311	-895.26440	
## 44	-528.7994	6677.630	-874.2353	-178.81823	-785.6037	-606.06793	
## 45	-386.8164	1874.243	-633.3144	341.47319	-613.1464	-566.08767	
## 46	-486.0921	3254.951	-792.0343	-162.15326	-380.3620	-501.83909	
## 70	-414.1427	4294.759	-616.3379	118.30463	-452.3351	-396.16981	
## 72	-653.2293	10277.608	-934.4528	-745.43371	-390.4466	-362.78524	
## 68	-852.8049	7809.021	-968.4414	-924.80495	-700.0775	-405.53173	
##	L18960_at	L18972_at	L18983_at	L19058_at	L19063_at	L19067_at	L19161_at
## 39	1260.9279	572.15471	3177.048	-148.80412	-919.1143	597.9032	829.64000
## 40	2937.2335	302.35057	5489.200	-130.65467	-676.5176	1288.1284	-469.22791
## 42	2805.8436	289.77982	2875.052	-663.51144	-862.2068	1598.0437	1187.25778
## 47	1323.3466	-269.07277	2042.223	-554.44477	-922.5964	521.6909	310.38489
## 48	6149.7396	78.73443	3301.506	-679.05244	-1264.8130	657.9623	128.81804
## 49	1930.2417	950.36775	5692.609	-125.52949	-1334.5499	1880.0477	-230.28217
## 41	1077.5982	113.87469	1402.601	-658.00693	-759.5703	1400.3441	204.15324
## 43	875.3387	454.26784	1612.213	-552.09161	-693.1504	1071.1367	1138.50806
## 44	909.7594	543.87008	2332.410	-617.43095	-606.0679	850.6717	468.87412
## 45	1237.8296	260.80111	2907.293	-32.75561	-673.6504	1089.9308	-256.84471
## 46	802.9144	150.53768	1525.028	-621.06657	-726.7966	816.4119	625.19801
## 70	1569.6168	356.44563	2212.148	-477.04789	-627.5710	1176.4595	-95.12363
## 72	2327.2796	319.52770	2417.179	-551.80437	-957.5040	2188.9730	107.45746

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## 68 2718.8348 358.10535 1883.198 -946.62315 -1140.8051 2179.9252 425.74178
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## 39 -391.26944 1187.9737 -573.6549 509.92909 -170.26123 1741.567 25900.12
## 40 -273.45426 528.0661 -1033.5166 -130.65467 -84.59028 2785.221 39694.31
## 42 -324.16654 -973.8334 -900.1599 -103.14585 -420.16543 3582.765 28468.80
## 47 -264.71594 1268.8863 -889.9203 -27.26901 -643.75967 5608.283 31692.59
## 48 67.84669 1417.9267 -1266.9905 -517.91385 -766.15438 2992.294 36805.27
## 49 -81.88255 372.0457 -1421.8438 18.50543 -435.42282 2085.188 44531.84
## 41 64.22148 215.4381 -714.4310 -30.57100 -461.65108 3120.150 33383.78
## 43 -162.60103 1376.4131 -335.2401 220.57349 -309.97585 3658.617 20920.42
## 44 93.89434 705.2250 -576.5241 -326.53754 -235.63335 3171.001 34092.06
## 45 211.50151 -268.0492 -599.7010 -173.93174 34.47112 2862.476 36345.87
## 46 -263.38413 -411.8561 -650.3110 -171.15156 -501.83909 2287.634 37482.24
## 70 -387.18336 -229.9204 -551.1861 -348.99093 -342.25109 1212.405 37825.46
## 72 -579.46570 1499.7447 -1185.7100 -524.14303 -586.38104 1315.336 31581.45
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## 40 -499.1698 2202.5065 4130.301 -777.8593 -432.3764 1783.321 -499.1698
## 42 -719.3247 2089.2008 2049.015 -125.4712 -692.5344 9275.722 -598.7680
## 47 -480.3788 678.5366 4856.731 -554.4448 -730.8962 5691.063 -401.9559
## 48 -848.9012 1171.8638 9446.548 -374.1957 -933.8256 10809.693 -905.5175
## 49 -435.4228 3883.4426 2759.534 -928.6333 -697.3045 8001.532 -516.1697
## 41 -486.4777 971.5209 7426.437 -193.0724 -583.5271 8020.019 -484.2207
## 43 -345.7669 1189.0366 1527.999 -107.8618 -575.2505 7783.007 -501.5631
## 44 -419.7143 2282.4127 6661.722 -481.0747 -683.3365 9482.025 -585.6145
## 45 -389.0573 1327.4652 6564.427 -180.6544 -597.4601 46678.617 -424.9115
## 46 -614.3178 789.4170 3808.347 -519.8357 -600.8204 29730.200 -396.1091
## 70 -400.6630 2643.4979 7006.421 -286.0858 -483.7877 26787.851 -456.8284
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## 44 -853.78184 -651.5200 2250.5962 1836.98218 830.2183 -487.8925 -444.7130
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## 43 -440.5078 1045.8725 475.3214 -870.0001 620.59085 50.03978 -571.0398
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## 45 -135.8366 -368.8893 1287.1292 -445.0796 -158.24551 -879.81241 -920.1484
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## 70 -504.0072 -620.8311 837.2209 -420.8826 127.29108 -393.92320 -488.2810
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## 42 -40.63495 758.6116 -2610.2795 365.6859 3656.438 309.8726 -2215.1213
## 47 645.86038 892.0210 -600.1914 -1260.2503 6490.540 -571.8721 -452.0594
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## 47 -114.4055 -2227.4654 -1055.4796 -576.2289 770.029875 -1109.940 667.64450
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## 43 -356.2936 -1227.9104 -1177.3819 -516.3006 1521.682579 -1886.886 125.83254
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## 45 -696.0593 -2036.1122 -1101.6606 -559.3650 630.548127 -2184.011 32.23023
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## 47 292.95759 -375.8150 -14.19853 600.11372 -1077.2637 -693.8632 7266.055
## 48 83.08953 -1023.1051 205.03224 1313.40442 -1741.6961 -1162.4682 16517.048
## 49 -38.23560 -804.2395 145.08158 121.07576 -1568.0611 -498.7109 6849.253
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## 72 -2506.5387 734.44773 510.851937 -1128.0822 -593.2964 -1370.1189
## 68 -2814.2613 386.46901 -281.167978 -1404.8054 -981.5323 -998.9868
##      L31529_at L31573_at L31584_at L31801_at L31860_at L31881_at L32137_at
## 39 -850.4515 -470.6607 784.58007 1606.3873 -633.7348 22.85274 -148.8041
## 40 -662.6983 -1719.8760 585.64654 1417.1087 -584.3889 -250.42207 -823.9237
## 42 -906.8575 -1581.0822 260.75690 1044.3757 -243.7954 -377.74732 -337.5617
## 47 -852.8872 -301.7489 179.68016 948.6597 -554.4448 -201.54199 -201.5420

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## 48	-1121.0948	-1611.0432	98.33237	1528.9817	-1044.8806	-1190.77633	-567.9975
## 49	-935.1804	-2253.3182	943.82071	2530.3872	-784.5984	-644.92817	-208.4587
## 41	-712.1741	-899.5021	-202.10024	359.8837	-700.8892	-621.89551	-599.3259
## 43	-611.0415	-1072.1142	458.47855	662.6979	-122.5993	-707.88785	-693.1504
## 44	-917.4148	-637.8844	218.88760	452.9659	-633.3392	-617.43095	-299.2663
## 45	-729.6727	-893.2578	489.37199	312.3416	-752.0816	-653.48242	-299.4216
## 46	-708.8000	-1185.7099	-112.66261	114.5445	-603.0700	-585.07337	-330.8714
## 70	-659.0236	-1058.9207	113.81140	554.1476	-438.8555	-654.53034	-555.6794
## 72	-1056.6237	-1270.9991	2228.15984	1165.5035	-1019.7420	-1121.16685	-593.2964
## 68	-1105.8960	-1339.3508	-294.25890	1252.6516	-959.7141	-1125.53241	-658.6229
##	L32140_at	L32163_at	L32164_at	L32179_at	L32866_at	L32976_at	L32977_at
## 39	-489.9721	-588.6748	16.41561	-434.1837	-537.17777	-361.22949	1389.6705
## 40	-662.6983	-420.8603	-706.45950	-685.7305	23.66103	-47.73877	873.5490
## 42	-766.2079	-663.5114	-531.79204	-690.3018	-837.64896	-482.67633	2348.1745
## 47	-752.6803	-608.9051	-325.71148	-617.6187	184.03698	301.67124	915.9835
## 48	-1225.6171	-922.9379	-877.20935	-901.1624	980.23950	-393.79359	3388.6081
## 49	-943.9098	-581.6401	-548.90488	-723.4927	-647.11051	-300.11728	1229.7082
## 41	-703.1462	-648.9791	-461.65108	-574.4993	1407.11494	-249.49648	1481.5947
## 43	-676.3075	-859.4734	-299.44907	-512.0899	433.21430	-288.92230	1071.1367
## 44	-651.5200	-715.1530	-535.61718	-376.5348	-224.27033	-151.54698	1866.5260
## 45	-684.8549	-572.8103	-263.56738	-321.8305	240.63309	-350.96213	1746.5118
## 46	-814.5300	-688.5538	-405.10736	-238.6388	-650.31104	137.04023	868.1521
## 70	-701.7092	-483.7877	-575.89887	280.0608	-735.40841	-405.15626	1443.8065
## 72	-971.3346	-819.1973	-468.82036	-376.6159	-819.19728	-208.34278	4625.4756
## 68	-957.5322	-1031.7141	-961.89589	-854.9867	-726.25931	214.10521	5350.1100
##	L33243_at	L33404_at	L33477_at	L33798_at	L33799_at	L33801_at	
## 39	130.13828	-1519.9133	-1026.3998	-1934.0355	12.12419	-2.895785	
## 40	-1134.85829	-1869.5853	-888.4138	-2263.4358	-483.04722	-86.893499	
## 42	30.80608	-1672.6160	-817.5562	-1918.1946	-998.39128	-395.607575	
## 47	-872.49296	-1480.2700	-798.4269	-1127.3672	-643.75967	-497.806051	
## 48	-600.66070	-1452.0822	-1131.9825	-1750.4063	-1214.72937	-698.650378	
## 49	1644.35421	-2622.1349	-1371.6498	-2087.4598	-22.95917	-640.563470	
## 41	113.87469	-1177.1086	-750.5424	-1418.6037	-624.15247	-17.029213	
## 43	-385.76861	-1465.8155	-718.4146	-1400.5495	-547.88091	-177.338512	
## 44	943.84851	-974.2299	-708.3351	-953.7765	-285.63066	-74.278415	
## 45	666.40238	-1079.2517	-384.5755	-1267.4866	-223.23134	-362.166586	
## 46	-191.39773	-1201.4569	-578.3246	-1154.2159	-652.56062	-409.606513	
## 70	432.83049	-939.8502	-717.4355	-1375.6932	-546.69290	-387.183358	
## 72	-639.39859	-1815.0054	-1197.2355	-945.9784	-542.58392	-282.106346	
## 68	545.74189	-2131.3515	-1206.2598	-1738.6239	-1158.25971	-364.077147	
##	L33842_rna1_at	L33881_at	L34059_at	L34060_at	L34075_at	L34081_at	
## 39	2363.823	-273.25535	280.3380	473.4520	198.801029	-507.1378	
## 40	1324.980	-40.82911	154.9445	-114.5321	-172.112614	-669.6080	
## 42	1499.812	-384.44491	-482.6763	535.3584	-335.329204	-605.4656	
## 47	3859.018	-356.20925	-471.6651	-214.6125	-96.978198	-706.9336	
## 48	7049.067	-365.48546	-613.7260	-476.5404	-409.036430	-979.5541	
## 49	1380.290	-97.15898	596.8275	1779.6598	-31.688557	-618.7400	
## 41	10425.942	-296.89272	-504.5334	-290.1218	-603.839801	-624.1525	
## 43	2163.816	-349.97758	-1219.4890	-177.3385	-57.333305	-566.8291	
## 44	3473.258	-292.44847	-576.5241	-276.5402	-158.364790	-431.0774	
## 45	11826.040	-68.60987	-346.4803	272.0056	7.580429	-386.8164	
## 46	5194.085	-434.35184	-636.8136	-105.9139	-184.649007	-704.3008	
## 70	5507.930	-227.67382	-425.3758	-164.7686	127.291081	-614.0913	
## 72	2195.888	-448.07436	-199.1223	-392.7517	-395.056799	-770.7899	

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## 68      12037.389 -460.07724 -335.7135 -721.8957 -283.349798 -1009.8959
##      L34155_at L34219_at L34357_at L34409_at L34587_at L34600_at L34657_at
## 39 -655.19187 -485.6807 -232.48684 -663.7747 799.60005 -721.7089 -299.0039
## 40 -635.05970 -434.6796 -137.56432 -308.0026 -259.63495 -641.9694 505.0339
## 42 -1317.64339 -283.9810 -654.58131 -587.6053 2176.26955 -493.8390 -167.8893
## 47 -944.38056 -371.4581 -776.64282 -635.0460 1218.78280 -223.3261 105.6141
## 48 -1334.49453 -922.9379 -753.08909 -790.1074 2595.98047 -600.6607 1407.0390
## 49 -673.29868 -186.6352 -396.14057 -924.2686 -149.53531 -383.0465 -485.6168
## 41 -527.10303 -434.5675 -434.56752 -725.7158 1463.53904 -364.6016 -635.4373
## 43 -895.26440 -575.2505 -61.54401 -646.8326 1005.87072 -472.0881 -596.3041
## 44 -610.61314 -374.2622 -833.32840 -892.4161 1573.36003 -444.7130 -715.1530
## 45 307.85982 -427.1524 -675.89133 -521.2698 1804.77501 -449.5613 213.7424
## 46 -715.54872 -501.8391 -528.83399 -645.8119 -15.93088 -362.3654 -168.9020
## 70 37.42655 -533.2132 -331.01803 -602.8582 785.54877 -115.3432 -438.8555
## 72 -1344.76265 -478.0408 -614.04237 -694.7213 2244.29562 -699.3315 -713.1622
## 68 -994.62319 -752.4411 -857.16852 -996.8050 2638.10749 -691.3502 -575.7137
##      L34673_at L34820_at L34838_at L35035_at L35240_at L35251_rna1_at
## 39 -768.9145 -507.13782 -1794.5643 -419.16368 851.09711 -584.3834
## 40 -945.9943 -119.13857 -2141.3651 90.45439 -266.54461 -469.2279
## 42 -739.4175 -440.25822 -1342.2012 -112.07598 -420.16543 -772.9055
## 47 -811.4974 -151.43850 -826.7463 -73.01566 -380.17179 -761.3939
## 48 -1025.2826 -350.24262 -1634.9962 -337.17733 -796.64006 -959.9562
## 49 -878.4393 -40.41795 -3281.2038 149.44627 -487.79916 -836.9747
## 41 -687.3475 -272.06612 -1946.7333 -41.85581 -274.32309 -764.0842
## 43 -880.5269 54.25048 -1876.3596 -421.55964 -522.61665 -552.0916
## 44 -890.1435 -306.08410 -2008.2651 -496.98290 798.40181 -606.0679
## 45 -987.3752 -525.75163 -2157.1203 -344.23946 -649.00063 -563.8468
## 46 -668.3076 -274.63201 -1860.5824 -346.61841 -256.63541 -468.0955
## 70 -645.5439 -259.12640 -1968.7991 -405.15626 19.45364 -685.9829
## 72 -934.4528 -466.51525 -1201.8457 -549.49925 -395.05680 -579.4657
## 68 -970.6232 -758.98661 -2017.8969 -357.53169 -1064.44144 -913.8958
##      L35269_at L35475_at L35545_at L35546_at L35592_at L35854_at
## 39 -60.82998 2471.10876 -453.4951 -547.90633 -13.62434 -573.6549
## 40 83.54473 647.83347 -688.0337 -324.12509 -36.22267 -202.0545
## 42 -368.81719 584.47407 -464.8161 -243.79538 -589.83788 -674.6741
## 47 -388.88544 467.23057 -789.7133 -517.41176 -534.83906 -913.8828
## 48 -611.54844 370.52593 -1075.3663 -892.45219 -726.95851 -1208.1967
## 49 101.43463 2137.56472 -675.4810 -1009.38017 -317.57606 -791.1454
## 41 -348.80289 32.62399 -590.2980 -621.89551 -472.93590 -509.0473
## 43 -11.01551 216.36278 -491.0363 18.45946 -227.86702 -457.3507
## 44 -478.80206 398.42337 -551.5254 -433.34997 -353.80880 -381.0801
## 45 -503.34272 556.59872 -534.7152 -346.48035 -447.32044 -606.4237
## 46 -112.66261 584.70566 -308.3756 -695.30254 -551.32974 -382.6116
## 70 -405.15626 603.57309 -676.9965 -472.55466 -481.54111 -375.9503
## 72 -86.17189 928.07708 -805.3666 12.94790 -680.89060 -1128.0822
## 68 -562.62279 15.55957 -756.8048 -806.98665 -922.62313 -1012.0778
##      L36033_at L36051_at L36069_at L36151_at L36463_at L36529_at
## 39 -211.02973 -569.3634 -2253.746 4653.297 177.34392 -577.946278
## 40 -478.44079 -814.7108 -1980.140 3045.485 -713.36916 -397.828109
## 42 -634.48852 -813.0911 -2498.653 2834.867 -319.70148 -259.423109
## 47 5185.67149 -752.6803 -1554.336 3525.721 210.17793 -197.185161
## 48 -1105.85194 -1029.6377 -2440.689 3055.443 -345.88752 -563.642372
## 49 -854.43351 -1022.4743 -3200.457 2969.039 99.25228 -819.515954
## 41 -303.66362 -484.2207 -1781.975 3409.042 -402.97002 -267.552195

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## 43 -712.09856 -533.1434 -2038.472 2205.923 241.62704 -76.281495
## 44 -62.91539 -990.1381 -2230.980 2782.386 -19.73590 -199.271676
## 45 -608.66460 -841.7173 -1921.827 2900.571 23.26667 -393.539060
## 46 -636.81359 -693.0530 -1574.886 3248.203 -549.08017 4.315297
## 70 -418.63594 -620.8311 -1912.634 2266.067 -14.24555 -535.459833
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## 68 -920.44131 -1062.2596 -2460.806 3997.381 -673.89562 -466.622698
## L36531_at L36642_at L36645_at L36720_at L36818_at L36844_at L36847_at
## 39 1544.161695 -674.5033 -365.5209 -356.93807 2224.3520 -211.02973 -788.2259
## 40 127.305898 -694.9434 247.0733 -2355.56454 705.4139 -181.32549 -381.7056
## 42 314.337675 -819.7887 -645.6512 -1462.75798 285.3148 -618.86080 -498.3041
## 47 -9.841708 -421.5616 -534.8391 -571.87207 1162.1441 -567.51524 -689.5063
## 48 -600.660696 -979.5541 -964.3113 -8.36751 -267.4958 -907.69503 -729.1361
## 49 1434.848868 -804.2395 -566.3637 -594.73418 -125.5295 -265.19972 -186.6352
## 41 -204.357208 -515.8182 -800.1957 -208.87114 1066.3134 -348.80289 -470.6789
## 43 -152.074258 -406.8222 -371.0311 -1270.01750 662.6979 90.04151 -533.1434
## 44 -56.097577 -619.7036 -353.8088 -585.61448 1123.3843 -474.25685 -749.2420
## 45 -142.559268 -534.7152 -413.7071 -364.40748 605.8983 -525.75163 -301.6625
## 46 422.736258 -636.8136 -483.8425 -375.86289 618.4493 -209.39433 -490.5912
## 70 37.426550 -596.1184 -515.2403 -1169.00478 -122.0830 -27.72523 -420.8826
## 72 393.291261 -828.4177 -265.9706 -1948.70180 1638.0514 -708.55193 -625.5679
## 68 -261.531596 -1046.9869 -863.7140 -896.44128 1704.2884 -776.44117 -660.8047
## L36861_at L36922_at L36983_at L37033_at L37042_at L37043_at
## 39 -2.895785 1529.14172 1001.29686 784.5801 291.06659 836.07713
## 40 -777.859298 403.69222 -1049.63918 2264.6934 -287.27358 1322.67673
## 42 -772.905522 202.71106 -346.49187 7570.0674 309.87261 419.26669
## 47 -59.945190 1112.04060 -393.24226 2811.2021 138.29032 -177.57945
## 48 -844.546126 396.65651 -472.18534 2876.8842 107.04256 527.30942
## 49 -278.293809 2327.42894 -2403.90014 1196.9730 158.17566 533.53941
## 41 -380.400385 21.33917 971.52093 1427.4276 16.82524 391.48123
## 43 -173.127803 281.62877 -667.88611 4427.0718 -152.07426 -112.07252
## 44 -558.343227 1193.83504 582.50436 2900.5612 784.76618 21.17099
## 45 -610.905487 527.46714 32.23023 691.0522 43.43468 -362.16659
## 46 -549.080166 1081.86175 1351.81076 2375.3674 267.51558 568.95864
## 70 -396.169811 1207.91206 228.38868 2070.6116 255.34804 183.45641
## 72 -551.804366 1172.41888 142.03413 2048.3612 197.35680 1091.73998
## 68 -824.441216 74.46872 1058.46964 2884.6532 462.83272 1795.92488
## L37127_at L37199_at L37347_at L37362_at L37368_at L37378_at
## 39 675.148825 -138.0756 -743.1660 147.30397 2700.700 -479.2436
## 40 293.137690 -584.3889 -464.6215 -1399.72852 1875.449 -632.7565
## 42 1345.767565 -1199.3192 -737.1850 -509.46672 2453.104 -746.1151
## 47 316.920128 -467.3083 -876.8498 -711.29045 1482.371 -388.8854
## 48 1659.634624 -1240.8599 -1195.1314 -1415.06383 2402.179 -999.1521
## 49 -2988.769229 -243.3763 -967.9156 -500.89324 2853.375 -625.2870
## 41 1.026498 -996.5515 -360.0877 -820.50833 2551.396 -827.2792
## 43 807.967400 -421.5596 -1025.7964 -575.25051 1233.249 -808.9449
## 44 1516.544912 -876.5079 -637.8844 -528.79937 2457.403 -556.0706
## 45 847.914554 -877.5715 -514.5472 36.71201 1020.463 -308.3852
## 46 87.549575 -792.0343 -499.5895 -468.09546 1887.210 -432.1023
## 70 819.247968 -470.3080 -748.8881 -652.28372 1549.397 -746.6415
## 72 750.583510 -1220.2866 -1031.2675 -759.26438 2610.808 -441.1590
## 68 1161.015196 -961.8959 -1247.7143 -187.34971 1780.652 -728.4411
## L37792_at L37882_at L37936_at L38025_at L38486_at L38487_at
## 39 898.30275 -251.7982 93.66120 -964.1742 825.34858 312.52370

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## 40	410.60188	-552.1438	-54.64843	-1632.3537	429.02763	431.33085	
## 42	-549.65230	-676.9066	200.47853	-1288.6205	785.40198	-1902.56683	
## 47	558.72389	-661.1870	155.71762	-739.6098	147.00397	-1275.49922	
## 48	-302.33655	-565.8199	35.18346	-1373.6904	248.58321	-868.49916	
## 49	882.71499	-1432.7556	-520.53437	-1670.6314	714.67424	-2072.18334	
## 41	204.15324	-202.1002	41.65185	-676.0626	177.06967	-154.70400	
## 43	-360.50435	-971.0572	732.17464	-874.2109	64.77726	-187.86528	
## 44	421.14942	-528.7994	-210.63470	-1358.3001	509.78101	-340.17317	
## 45	12.06221	-216.5087	314.58250	-944.7982	514.02179	86.01161	
## 46	-96.91558	-461.3467	-519.83569	-1433.1632	-92.41643	-434.35184	
## 70	266.58110	-452.3351	23.94687	-1211.6904	482.25598	-1757.61745	
## 72	430.17304	-1252.5582	40.60923	-1554.5278	89.01657	-1480.76421	
## 68	-283.34980	-608.4410	691.92385	-1502.9873	-185.16789	-859.35034	
##	L38500_at	L38503_at	L38517_at	L38608_at	L38616_at	L38696_at	L38707_at
## 39	-262.5268	-258.23537	-897.6572	-470.6607	-283.98390	2005.4895	353.29221
## 40	-598.2082	69.72542	-439.2861	-476.1376	663.95600	555.7047	583.34333
## 42	-703.6970	-337.56174	-2150.3779	-679.1392	-254.95804	1323.4422	187.08334
## 47	-595.8346	-269.07277	-748.3235	-550.0879	72.93796	1199.1771	800.52765
## 48	-835.8359	-493.96082	-866.3216	-861.9665	-75.87151	856.1192	651.42968
## 49	-385.2288	25.05247	-1042.1154	-258.6527	110.16402	1439.2136	978.73827
## 41	-484.2207	-290.12183	-820.5083	-639.9512	-109.56473	2652.9590	122.90254
## 43	-920.5287	-331.02939	-1219.4890	-491.0363	-97.33504	742.7014	433.21430
## 44	-481.0747	-112.91270	-735.6064	-658.3378	-165.18260	846.1265	100.71215
## 45	-487.6565	-147.04105	-534.7152	-496.6200	294.41448	1087.6899	657.43882
## 46	-450.0989	-434.35184	-769.5385	-461.3467	-54.17365	1066.1147	-54.17365
## 70	-551.1861	-202.96107	-627.5710	-548.9395	-223.18059	742.8631	71.12575
## 72	-519.5328	-90.78211	-602.5168	-671.6702	-438.85391	2188.9730	603.05639
## 68	-1029.5323	-671.71380	-1053.5323	-1009.8959	201.01429	2179.9252	-43.34957
##	L38810_at	L38820_at	L38928_at	L38929_at	L38932_at	L38933_rna1_at	
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## 40	1645.12744	-766.3432	-17.79692	60.51254	2736.853	-188.2351	
## 42	1111.35168	-822.0212	-424.63049	-670.20904	1725.298	-355.4220	
## 47	1162.14408	-794.0701	-210.25563	-151.43850	1854.879	-480.3788	
## 48	2894.30461	-885.9195	-56.27358	-1018.75000	4379.393	-705.1830	
## 49	-498.71089	-513.9873	-367.77005	-158.26470	4252.259	-317.5761	
## 41	1201.73124	-689.6044	-120.84955	-825.02225	1188.189	-366.8586	
## 43	1426.94163	-651.0433	-133.12607	-491.03633	1026.924	-126.8100	
## 44	762.04013	-737.8790	-562.88844	-667.42825	1786.985	-201.5443	
## 45	21.02577	-458.5249	-458.52490	-409.22530	1815.979	-256.8447	
## 46	1320.31670	-855.0224	-544.58102	-762.78980	2085.172	-353.3671	
## 70	423.84403	-533.2132	-501.76063	-521.98015	1823.484	-167.0153	
## 72	457.83438	-902.1813	-514.92259	-770.78994	2320.364	-662.4497	
## 68	1597.37924	-1040.4414	-497.16818	-1068.80508	3203.199	-326.9862	
##	L38935_at	L38941_at	L38951_at	L38961_at	L38969_at	L39009_at	L39059_at
## 39	741.665859	24801.52	327.5437	-820.41160	-824.7030	-839.7230	-170.26123
## 40	168.763846	38337.71	1806.3528	-515.29229	-971.3297	-621.2404	-100.71282
## 42	-460.351009	36521.55	1832.4596	-174.58688	-1159.1336	-770.6730	-359.88706
## 47	-210.255634	32089.06	1693.6767	-59.94519	-1092.5126	-613.2619	-181.93628
## 48	-356.775266	51839.06	2138.6953	-278.38352	-750.9115	-1140.6927	-112.88984
## 49	334.945799	34095.86	291.2989	-125.52949	-1609.5257	-915.5392	-756.22788
## 41	-46.369742	34270.76	1865.2786	258.32037	-678.3196	-689.6044	147.72914
## 43	-446.823889	23347.89	1113.2438	-25.75299	-562.6184	-661.5700	-284.71159
## 44	9.807961	28010.57	1807.4383	364.33430	-160.6374	-696.9721	121.16559
## 45	294.414477	30145.32	168.9246	-97.74145	-767.7679	-761.0452	18.78488

## 46	283.262604	29667.21	519.4680	-193.64731	-528.8340	-724.5470	13.31360
## 70	217.155612	28697.47	280.0608	-95.12363	-717.4355	-600.6116	30.68671
## 72	-289.021679	32395.15	1296.8949	-466.51525	-1022.0471	-962.1142	139.72902
## 68	-719.713844	32616.32	2777.7440	-143.71330	-1773.5330	-1005.5323	-65.16777
##	L39060_at	L39061_at	L39064_rna1_at	L39211_at	L39833_at	L39874_at	
## 39	-959.8828	-397.7066	78.64122	-397.7066	-700.2518	436.974927	
## 40	-888.4138	-395.5249	-840.04622	-759.4335	-572.8728	5830.076957	
## 42	-667.9765	-549.6523	-663.51144	-822.0212	-645.6512	1234.140954	
## 47	-630.6892	-639.4028	46.79701	-218.9693	-617.6187	1153.430430	
## 48	-1042.7030	-742.2013	-855.43387	-1223.4396	-1031.8153	2709.212991	
## 49	-994.1037	-258.6527	-677.66338	-871.8923	-773.6867	3137.079808	
## 41	-436.8245	-355.5738	-504.53339	-515.8182	-624.1525	382.453380	
## 43	-686.8343	-223.6563	-349.97758	-349.9776	-617.3576	104.778993	
## 44	-619.7036	-410.6239	-590.15969	-251.5416	-537.8898	1277.921413	
## 45	-521.2698	-330.7941	-601.94192	-478.6929	-362.1666	957.718213	
## 46	-441.1006	-497.3399	-621.06657	-580.5742	-542.3314	292.260905	
## 70	-452.3351	-362.4706	-596.11839	-465.8148	-575.8989	-5.259102	
## 72	-892.9608	-731.6030	-459.59991	-920.6222	-715.4673	722.922175	
## 68	-835.3503	-769.8957	-857.16852	-789.5321	-1005.5323	602.469216	
##	L40027_at	L40157_at	L40357_at	L40366_at	L40371_at	L40377_at	L40379_at
## 39	1280.2393	-577.9463	333.9808	-1105.7911	-335.48096	-1519.9133	-1058.5855
## 40	636.3174	-462.3182	475.0920	-803.1947	-773.25286	-890.7170	-655.7887
## 42	1294.4193	-623.3259	1611.4389	-875.6020	-636.72106	-1176.9939	-1038.5769
## 47	1556.4367	-680.7927	626.2547	-693.8632	18.47765	-1155.6865	-1064.1932
## 48	1783.7549	-992.6194	2343.3848	-1173.3559	-1171.17840	-1079.7214	-1271.3456
## 49	1600.7073	-472.5227	138.5345	-994.1037	-1081.39764	-1733.9195	-1369.4675
## 41	1050.5147	-574.4993	1894.6191	-1001.0654	-479.70679	-477.4498	-608.3537
## 43	1639.5824	-446.8239	220.5735	-874.2109	-305.76514	-585.7773	-646.8326
## 44	1155.2008	-535.6172	1752.8958	-840.1462	-724.24337	-1035.5902	-776.5133
## 45	1157.1575	-595.2193	1493.2912	-920.1484	-803.62211	-1229.3914	-398.0208
## 46	766.9212	-513.0870	1277.5748	-531.0836	-528.83399	-427.6031	-301.6269
## 70	1086.5949	-366.9638	585.6002	-647.7905	-97.37025	-906.1510	-746.6415
## 72	1001.8406	-648.6190	642.2433	-899.8762	-865.29950	-814.5871	-1068.1493
## 68	1464.2882	-776.4412	1961.7432	-1073.1687	-721.89566	-1092.8051	-1014.2596
##	L40380_at	L40387_at	L40388_at	L40391_at	L40392_at	L40393_at	L40394_at
## 39	-356.9381	85.07836	-710.9803	-397.70657	155.886813	-648.7547	-206.73831
## 40	-317.2154	44.39000	-648.8790	1129.20631	283.924813	-455.4086	-68.46774
## 42	-719.3247	-1022.94913	-482.6763	82.15432	236.199047	-730.4874	-507.23419
## 47	-580.5857	-114.40550	-785.3565	2595.53934	704.677508	-530.4822	-539.19588
## 48	-661.6321	-354.59772	-816.2380	5450.74652	1849.081342	211.5649	-559.28727
## 49	-677.6634	121.07576	-1127.2269	276.02242	671.027292	-784.5984	-68.78846
## 41	-522.5891	-123.10651	-597.0689	2059.37748	1052.771628	-290.1218	-360.08771
## 43	-375.2418	-364.71506	-507.8792	732.17464	561.640922	-533.1434	-263.65805
## 44	-535.6172	-62.91539	-690.1543	477.96454	498.417983	-440.1678	-437.89517
## 45	-350.9621	144.27478	-689.3367	-198.58154	-5.864917	-424.9115	-454.04312
## 46	-542.3314	94.29830	-441.1006	737.67677	692.685264	-213.8935	26.81105
## 70	-562.4192	291.29385	-477.0479	-74.90411	156.497054	-551.1861	-178.24832
## 72	-570.2453	-454.98969	-724.6877	-431.93858	526.987716	-551.8044	-63.12077
## 68	-953.1686	-178.62243	-708.8047	1902.83407	801.014857	-464.4409	-508.07728
##	L40395_at	L40396_at	L40399_at	L40400_at	L40401_at	L40402_at	
## 39	297.503725	-695.9604	-614.4234	-206.738311	297.50373	-1114.3740	
## 40	744.568679	-464.6215	-1418.1543	300.047348	83.54473	-904.5364	
## 42	6.248227	-603.2331	-493.8390	-85.285595	135.73510	-909.0900	
## 47	-127.475969	-467.3083	-105.6918	-430.275271	-51.23154	-739.6098	

## 48	1028.145566	-990.4419	-496.1384	-683.407538	207.20979	-1175.5335	
## 49	437.516125	-653.6576	-634.0164	422.239693	603.37452	-1264.7148	
## 41	675.858674	-696.3753	-775.3690	-208.871136	-80.22420	-894.9881	
## 43	909.024416	-899.4751	-920.5287	-101.545749	-76.28150	-547.8809	
## 44	314.336998	-571.9789	-617.4310	-221.997723	41.62443	-815.1476	
## 45	-131.354813	-507.8245	-203.0633	-8.105808	334.75051	-893.2578	
## 46	577.956937	-587.3229	-555.8289	-396.109062	202.27790	-679.5555	
## 70	262.087877	-495.0208	-477.0479	-393.923197	145.26399	-742.1483	
## 72	49.829680	-740.8235	-348.9546	-537.973698	934.99241	-1028.9624	
## 68	214.105215	-948.8050	-652.0774	-641.168316	-440.44085	-1182.2597	
##	L40403_at	L40407_at	L40410_at	L40411_at	L40586_at	L40636_at	L40904_at
## 39	-788.2259	-659.4833	250.29809	213.8210	-655.19187	-101.5985	-680.9404
## 40	-559.0535	-326.4283	585.64654	-174.4158	-409.34421	-257.3317	-800.8915
## 42	-1078.7624	-746.1151	274.15209	-395.6076	-62.96027	-402.3052	1147.0722
## 47	-571.8721	-693.8632	371.38043	-238.5750	-260.35912	-567.5152	-110.0487
## 48	-920.7603	-1101.4968	2652.59673	-600.6607	-761.79928	-781.3972	-879.3869
## 49	-791.1454	-740.9514	465.88664	-623.1047	-265.19972	-376.4994	-974.4626
## 41	-800.1957	-881.4463	497.55853	-574.4993	-409.74091	-551.9296	-608.3537
## 43	-726.8360	-787.8913	104.77899	-360.5044	-566.82910	-486.8256	1189.0366
## 44	-787.8763	-762.8777	307.51918	-308.3567	-521.98155	-735.6064	-531.0720
## 45	-841.7173	-561.6059	410.94081	-471.9702	-597.46014	-799.1403	-696.0593
## 46	-717.7983	-324.1227	-83.41813	-501.8391	-409.60651	-600.8204	-544.5810
## 70	-638.8040	-607.3515	221.64884	-445.5953	-414.14272	-521.9802	-414.1427
## 72	-890.6557	-431.9386	621.49728	310.3073	-261.36034	-514.9226	-1164.9640
## 68	-1040.4414	-1160.4415	969.01502	-913.8958	-523.35002	-1090.6233	-1162.6234
##	L40933_at	L40992_at	L41066_at	L41067_at	L41143_at	L41147_at	
## 39	-1135.8311	-211.029732	-959.8828	243.86096	-2322.4092	-762.4774	
## 40	-810.1044	-10.887261	-333.3380	286.22803	845.9103	-289.5768	
## 42	-1382.3868	-1159.133597	-851.0441	-125.47117	-1121.1805	-1232.8072	
## 47	-698.2200	-371.458141	-669.9006	-558.80159	-757.0371	-467.3083	
## 48	-1306.1864	-611.548438	-1016.5725	93.97727	-1574.0249	-1173.3559	
## 49	-2591.5820	5.411348	-922.0863	1183.87892	-4402.9303	-446.3346	
## 41	-694.1184	-472.935900	-881.4463	926.38166	-1037.1769	-922.0717	
## 43	-1076.3249	-187.865284	-794.2074	-335.24010	-2600.6016	-1057.3767	
## 44	-612.8857	-592.432298	-715.1530	-465.16643	-1296.9398	-728.7886	
## 45	-705.0229	-1094.937944	-666.9278	-274.77184	-1171.1282	-924.6302	
## 46	-1043.9867	-756.041071	-551.3297	209.02663	-825.7779	-695.3025	
## 70	-753.3813	-546.692900	-885.9315	-483.78773	-1944.0864	-373.7037	
## 72	-1455.4080	-736.213269	-770.7899	-109.22300	-1390.8649	-1081.9800	
## 68	-1147.3506	-865.895800	-1121.1688	526.10551	-1001.1687	-933.5322	
##	L41162_at	L41349_at	L41351_at	L41559_at	L41607_at	L41668_rna1_at	
## 39	-2125.004	-813.9745	115.1183	-996.3599	-303.2953	-258.2354	
## 40	-1959.411	-865.3816	-1413.5478	-195.1448	-411.6474	-331.0347	
## 42	-2342.376	-757.2778	-1346.6663	-766.2079	-643.4187	-726.0223	
## 47	-1674.149	-589.2994	-889.9203	-789.7133	-600.1914	-635.0460	
## 48	-2318.746	-1038.3479	-927.2930	-1112.3846	-790.1074	-992.6194	
## 49	-1967.431	-778.0514	553.1805	-745.3161	-505.2579	-865.3452	
## 41	-1750.377	-655.7500	-944.6413	-547.4157	-700.8892	-527.1030	
## 43	-1724.774	-516.3006	-777.3645	-533.1434	-693.1504	-385.7686	
## 44	-1524.200	-569.7063	-883.3257	-781.0585	-592.4323	-665.1557	
## 45	-1545.357	-743.1181	-987.3752	-720.7091	-586.2557	-861.8853	
## 46	-1475.905	-603.0700	-580.5742	-468.0955	-675.0564	-461.3467	
## 70	-1476.791	-593.8718	-1166.7582	-463.5682	-495.0208	-557.9260	
## 72	-2202.264	-865.2995	-819.1973	-816.8922	-588.6861	-468.8204	

##	68	-2314.624	-968.4414	-1166.9870	-390.2590	-937.8959	-964.0777
##		L41680_at	L41690_at	L41816_at	L41870_at	L41887_rna1_at	L41913_at
##	39	-1597.1589	844.659977	-1601.450	-391.26944	5.687058	-820.4116
##	40	-1072.6714	910.400470	-2318.713	106.57692	-20.100139	-572.8728
##	42	-1739.5920	70.991662	-2353.538	-337.56174	-179.051948	-730.4874
##	47	-1700.2896	438.911214	-1504.233	526.04770	297.314418	-665.5438
##	48	-1467.3250	596.990967	-2556.099	-685.58509	300.844374	-1025.2826
##	49	-2377.7120	1168.602490	-2606.858	-44.78264	160.358010	-677.6634
##	41	-1177.1086	-5.744394	-1901.594	563.01048	276.376081	-540.6448
##	43	-834.2091	995.343951	-1678.456	79.51474	-295.238364	-726.8360
##	44	-835.6010	48.442242	-2190.073	-308.35670	205.251970	-390.1705
##	45	-1361.6040	-216.508671	-1146.478	-734.15449	328.027842	-550.4014
##	46	-780.7864	312.507080	-1376.924	-121.66091	-396.109062	-589.5725
##	70	-836.5060	147.510601	-2056.417	423.84403	-593.871778	-535.4598
##	72	-1305.5758	354.104369	-2577.997	-512.61747	-300.547236	-717.7724
##	68	-1448.4418	-62.985955	-2364.806	691.92385	-60.804134	-977.1686
##		L41919_rna1_at	L41939_at	L42025_rna1_at	L42176_at	L42243_cds1_at	
##	39	-1618.6160	-573.6549	-444.91221	-685.2318	-747.4574	
##	40	-556.7502	-1438.8832	-213.57056	-462.3182	-462.3182	
##	42	-828.7188	-1386.8519	-230.40019	-491.6065	-643.4187	
##	47	-1260.2503	-648.1165	-314.81942	-639.4028	-293.0353	
##	48	-689.9402	-1312.7190	191.96695	-1090.6091	-326.2896	
##	49	-1297.4500	-858.7982	99.25228	-908.9922	-252.1056	
##	41	-254.0104	-1107.1427	-448.10930	-664.7778	-445.8523	
##	43	216.3628	-566.8291	-314.18656	-617.3576	-248.9206	
##	44	-174.2730	-903.7791	-97.00446	-778.7859	-612.8857	
##	45	-1267.4866	-899.9804	-207.54511	-628.8326	-720.7091	
##	46	-715.5487	-1084.4790	-274.63201	-803.2821	-571.5759	
##	70	-281.5925	-924.1239	-366.96384	-593.8718	-438.8555	
##	72	-487.2612	-1324.0166	-12.40833	-1026.6573	-685.5008	
##	68	-1036.0778	-1526.9873	-604.07737	-940.0777	-608.4410	
##		L42324_at	L42354_at	L42373_at	L42379_at	L42450_at	L42451_at
##	39	385.477868	1177.24515	550.6976	1224.45079	-391.2694	430.5377944
##	40	-3.977603	-2102.21041	760.6912	23.66103	-729.4917	597.1626415
##	42	-308.538818	-56.26268	410.3366	1234.14095	-692.5344	379.0811093
##	47	-114.405496	173.14492	645.8604	225.42681	-757.0371	197.1074550
##	48	512.066576	-676.87489	605.7012	958.46401	-968.6664	636.1868396
##	49	94.887589	2224.85861	705.9449	2144.11176	-653.6576	1880.0477292
##	41	-111.821692	-635.43729	957.9791	700.68528	-737.0007	515.6142438
##	43	-768.943129	-97.33504	984.8172	1799.58937	-752.1003	-0.4887328
##	44	-74.278415	-387.89787	277.9753	246.15886	-926.5052	330.2452314
##	45	-451.802226	155.47923	1564.9997	-232.19491	-752.0816	341.4731879
##	46	-112.662605	-54.17365	566.7091	168.53428	-528.8340	314.7566551
##	70	426.090646	-497.26741	540.6679	-104.11009	-548.9395	201.4293191
##	72	-272.885900	-404.27724	1047.9429	697.56595	-505.7021	679.1250604
##	68	-449.168136	-1258.62344	1817.7431	-366.25897	-924.8049	214.1052149
##		L42452_at	L42542_at	L42563_at	L42572_at	L42621_at	L43338_at L43366_at
##	39	-670.2118	-226.0497	514.22052	-123.05559	228.84098	-127.347011 -391.2694
##	40	-800.8915	737.6590	316.16988	-31.61624	758.38799	-729.491692 -202.0545
##	42	-1092.1576	425.9643	-661.27891	-121.00611	-154.49409	-377.747317 -424.6305
##	47	-909.5260	467.2306	-227.68293	138.29032	475.94422	-626.332373 -251.6455
##	48	-1114.5621	954.1089	-276.20597	760.30710	279.06889	-1260.457885 -620.2586
##	49	-1118.4975	775.7800	1244.98465	-94.97663	1057.30277	5.411348 -712.5809
##	41	-682.8335	371.1686	-127.62044	540.44085	247.03555	-777.626013 -459.3941

## 43	-874.2109	353.2108	418.47681	-122.59929	195.30924	-472.088143	-126.8100
## 44	-587.8871	498.4180	239.34104	139.34643	64.35048	-578.796670	-494.7103
## 45	-406.9844	500.5764	144.27478	-279.25362	32.23023	-471.970245	-364.4075
## 46	-558.0785	465.4782	-132.90878	-60.92238	40.30850	-560.328041	-234.1397
## 70	-420.8826	131.7843	-77.15073	-59.17782	502.47550	-670.256630	-342.2511
## 72	-1167.2691	-164.5457	-76.95144	-390.44658	480.88549	-676.280375	-392.7517
## 68	-1164.8052	1030.1060	-649.89560	890.46949	-278.98616	-830.986676	-217.8952
##	L43631_at	L43821_at	L43964_at	L47345_at	L47726_at	L47738_at	L48211_at
## 39	333.9808	-569.3634	-552.1977	198.8010	-412.7265	1166.5166	-174.5526
## 40	760.6912	-1217.7742	-692.6402	-151.3836	-397.8281	-181.3255	-895.3235
## 42	687.1706	-918.0201	-951.5081	-71.8904	-596.5355	-118.7736	-723.7898
## 47	1369.0932	-872.4930	-595.8346	-301.7489	-330.0683	617.5410	-571.8721
## 48	1829.4834	-1033.9928	-1057.9459	-742.2013	-853.2563	296.4893	-933.8256
## 49	1279.9022	-946.0921	-647.1105	420.0573	-660.2046	972.1912	-834.7924
## 41	1526.7340	-818.2514	-800.1957	-285.6079	-646.7221	1082.1122	-504.5334
## 43	864.8120	-672.0968	-541.5648	281.6288	-537.3541	357.4215	-910.0019
## 44	1441.5490	-987.8655	-769.6955	-178.8182	-508.3459	727.9511	-812.8750
## 45	619.3437	-873.0897	-720.7091	-178.4135	-552.6423	426.6270	-899.9804
## 46	663.4408	-499.5895	-657.0598	150.5377	-587.3229	670.1895	-330.8714
## 70	742.8631	-798.3136	-557.9260	-620.8311	-607.3515	1367.4216	-459.0750
## 72	999.5355	-1109.6413	-835.3331	946.5180	-745.4337	547.7337	-715.4673
## 68	2217.0162	-1042.6232	-1367.7145	-499.3500	-828.8049	1710.8339	-1123.3506
##	L48513_at	L48516_at	L48546_at	L48692_at	L48728_cds1_at	L49054_at	
## 39	-886.9286	-1301.0508	2224.35202	-655.1919	-247.50682	-700.2518	
## 40	560.3111	-448.4989	316.16988	-635.0597	-149.08042	-559.0535	
## 42	-813.0911	-208.0749	1548.92800	-674.6741	-223.70259	-717.0922	
## 47	-310.4626	-652.4733	563.08071	-621.9755	-401.95591	-635.0460	
## 48	-753.0891	-809.7053	-581.06276	-840.1910	-411.21398	-1027.4602	
## 49	-701.6692	-171.3588	478.98072	-655.8399	-16.41213	-655.8399	
## 41	-585.7841	-585.7841	1000.86146	-592.5550	-547.41571	-775.3690	
## 43	-476.2989	-813.1556	616.38014	-768.9431	-234.18308	-752.1003	
## 44	-619.7036	-815.1476	721.13325	-633.3392	-451.53080	-626.5214	
## 45	-803.6221	-958.2436	-17.06937	-539.1970	112.90231	-568.3286	
## 46	-614.3178	-497.3399	1102.10792	-549.0802	-321.87309	-668.3076	
## 70	-564.6658	-470.3080	203.67593	-521.9802	-144.54912	-593.8718	
## 72	-1017.4368	-925.2324	988.00997	-726.9928	-482.65103	-1068.1493	
## 68	-1116.8051	-817.8958	1584.28832	-942.2595	-673.89562	-955.3504	
##	L49169_at	L75847_at	L76159_at	L76191_at	L76200_at	L76224_at	L76380_at
## 39	7309.6866	-670.2118	-20.06147	1627.8444	872.5542	726.64588	104.38975
## 40	786.0266	-515.2923	51.29966	366.8407	309.2602	751.47834	240.16365
## 42	2629.4736	-719.3247	-199.14474	3439.8828	7795.5532	430.42935	-210.30740
## 47	870.2368	-554.4448	-51.23154	1295.0272	2745.8498	55.51066	-421.56162
## 48	1520.2715	-1016.5725	329.15250	3279.7307	1851.2589	152.77108	-659.45450
## 49	8728.2537	-631.8341	-607.82826	3903.0837	-1443.6673	1895.32416	110.16402
## 41	-30.5710	-533.8739	533.66995	2932.8225	878.9854	-366.85860	-254.01041
## 43	1323.7793	-406.8222	-162.60103	439.5304	5075.5210	479.53210	-126.81000
## 44	146.1642	-565.1610	634.77427	1193.8350	2341.5004	155.25467	-342.44578
## 45	16823.2265	-498.8609	213.74240	1912.3378	1379.0057	-120.15036	16.54399
## 46	3446.1651	-420.8544	-105.91388	2973.7544	832.1589	98.79745	-317.37394
## 70	8417.2940	-407.4029	71.12575	2439.0561	1237.1180	477.76275	-191.72800
## 72	840.4829	-763.8746	-67.73100	3251.6293	1232.3518	-49.29011	-358.17502
## 68	3174.8353	-900.8049	408.28722	8681.7495	916.6513	-422.98629	-405.53173
##	L76465_at	L76571_at	L76687_at	L76702_at	L76703_at	L76927_rna1_at	
## 39	-595.1120	-496.4093	-610.1319	426.24637	-178.84407	-809.68304	

## 40	-519.8987	-780.1625	-565.9631	-927.56855	-238.90597	-895.32348	
## 42	-609.9307	-884.5321	-667.9765	-96.44826	-31.70482	-594.30294	
## 47	-393.2423	-571.8721	-513.0549	225.42681	42.44019	55.51066	
## 48	-883.7420	-1375.8680	-877.2094	-38.85319	470.69316	-365.48546	
## 49	-596.9165	-1509.1377	-603.4636	-1699.00194	-337.21719	-1046.48008	
## 41	-536.1309	-946.8983	-515.8182	391.48123	-77.96724	-73.45331	
## 43	-512.0899	-606.8308	-558.4077	-284.71159	-187.86528	-1118.43198	
## 44	-492.4377	-715.1530	-944.6860	484.78235	-28.82632	-1240.12465	
## 45	-454.0431	-1215.9461	-1242.8367	137.55211	65.84359	-736.39538	
## 46	-571.5759	-522.0853	-558.0785	766.92124	40.30850	-362.36544	
## 70	-557.9260	-670.2566	-600.6116	322.74644	-63.67105	-885.93150	
## 72	-521.8379	-1063.5391	-669.3650	-1084.28507	328.74815	-1017.43685	
## 68	-898.6231	-1505.1691	-920.4413	72.28690	-91.34962	-490.62272	
##	L76937_rna1_at	L77213_at	L77559_at	L77561_at	L77563_at	L77566_at	
## 39	-577.9463	147.303970	-1183.0367	587.17468	-721.7089	-989.9227	
## 40	-600.5114	-743.311008	-764.0400	1476.99243	-952.9040	-1178.6195	
## 42	-321.9340	329.965400	-1016.2515	57.59647	-859.9743	-545.1872	
## 47	-822.3895	127.398263	-452.0594	-242.93182	-674.2574	-711.2905	
## 48	-737.8463	-99.824546	-996.9745	-258.78558	-1212.5518	-1001.3296	
## 49	-457.2463	-869.709943	-983.1920	1002.74409	-463.7933	-1251.6207	
## 41	-615.1246	-285.607905	-874.6755	-348.80289	-737.0007	-1068.7743	
## 43	-396.2954	666.908647	-646.8326	180.57176	-1091.0624	879.5495	
## 44	-431.0774	166.617689	-544.7076	-28.82632	-756.0598	-624.2488	
## 45	-501.1018	-108.945903	-530.2334	-84.29610	-1171.1282	-1263.0048	
## 46	-612.0683	-2.433428	-762.7898	116.79405	-355.6167	-542.3314	
## 70	-528.7200	-331.018026	-497.2674	266.58110	-701.7092	-515.2403	
## 72	-422.7181	-12.408325	-909.0966	-146.10478	-567.9401	-593.2964	
## 68	-824.4412	515.196407	-1066.6233	-359.71351	-996.8050	-1060.0778	
##	L77571_at	L77701_at	L77730_at	L77864_at	L77886_at	L78132_at	L78267_at
## 39	-1007.0884	-4227.800	93.6612	-2193.667	851.09711	-620.8605	-537.1778
## 40	-2721.7764	-3889.509	-215.8738	-3237.698	-584.38887	-420.8603	-347.1573
## 42	-1208.2493	-2400.422	-507.2342	-2900.509	-355.42199	-627.7909	-531.7920
## 47	-1201.4332	-1362.636	-273.4296	-1454.129	-550.08794	-661.1870	-534.8391
## 48	-1256.1028	-1188.599	-650.7443	-2586.585	-1031.81529	-881.5644	-790.1074
## 49	-1736.1018	-4664.812	121.0758	-5206.034	-190.99991	-666.7516	-616.5576
## 41	-1046.2047	-1976.074	-335.2611	-1181.623	-398.45609	-615.1246	-402.9700
## 43	-1958.4684	-1962.679	-526.8274	-2002.681	-51.01724	-309.9758	-400.5061
## 44	-1446.9317	-2896.854	-624.2488	-2328.702	2086.96871	-565.1610	-603.7953
## 45	-994.0978	-5628.260	-483.1747	-1448.999	-93.25967	-727.4318	-664.6869
## 46	-1464.6572	-2328.494	-519.8357	-1019.241	-513.08697	-519.8357	-528.8340
## 70	-1353.2271	-3130.298	-268.1129	-1090.373	-259.12640	-539.9531	-414.1427
## 72	-957.5040	-1805.785	-337.4290	-2165.382	188.13636	-687.8059	-680.8906
## 68	-1055.7142	-3228.807	-673.8956	-2146.624	-501.53182	-878.9867	-935.7140
##	L78440_at	L78833_cds2_at	M10014_cds1_at	M10050_at	M10058_at	M10612_at	
## 39	810.32860	-655.19187	-189.57262	-1026.3998	-2575.6030	-273.25535	
## 40	431.33085	-1199.34844	-245.81563	-911.4460	-1643.8698	-496.86654	
## 42	227.26892	-449.18835	-335.32920	-1011.7865	-1998.5657	-176.81942	
## 47	188.39381	-77.37249	-264.71594	-1042.4091	-1366.9925	-338.78196	
## 48	-64.98377	-1349.73737	-835.83593	-1277.8783	-2512.5483	-260.96313	
## 49	1716.37168	-644.92817	-391.77587	-1033.3860	-3025.8691	114.52872	
## 41	163.52789	-1001.06543	-592.55498	-926.5856	-1718.7799	-599.32587	
## 43	-76.28150	-874.21086	43.72371	-899.4751	-661.5700	-360.50435	
## 44	-151.54698	-799.23933	-478.80206	-806.0571	-1476.4755	-265.17721	
## 45	-106.70501	-682.61400	-483.17470	-1321.2679	-1612.5838	16.54399	

## 46	227.02323	-697.55212	-432.10226	-767.2889	-139.6575	-369.11416
## 70	302.52692	-984.78249	-521.98015	-816.2865	-1544.1892	-490.52757
## 72	464.74971	-1102.72596	-588.68615	-1118.8617	-1708.9702	-171.46100
## 68	-318.25892	-905.16856	-924.80495	-1127.7142	-2305.8972	-658.62288
##	M10901_at	M10950_cds2_at	M11058_at	M11119_at	M11147_at	M11186_at
## 39	400.49784	-856.8887	-599.4034	2829.4425	12862.786	16.41561
## 40	201.00892	-635.0597	-766.3432	2283.1192	7262.679	251.67974
## 42	334.43046	-844.3466	-804.1610	1131.4445	22144.038	-1288.62047
## 47	-173.22263	-848.5304	-689.5063	1356.0228	13352.539	-406.31274
## 48	1840.37115	-1099.3193	-1094.9642	1021.6129	21697.436	-1068.83362
## 49	-14.22978	-869.7099	-869.7099	4983.3457	6332.036	-723.49267
## 41	495.30157	-529.3600	-509.0473	1939.7584	9814.305	-1039.43381
## 43	237.41633	-541.5648	-657.3593	1315.3578	17939.237	-558.40768
## 44	125.71080	-987.8655	-631.0666	1168.8364	12686.397	-565.16104
## 45	785.16961	-834.9946	-644.5189	675.3659	21798.005	-684.85489
## 46	20.06232	-621.0666	-506.3382	1160.5969	21942.171	-499.58951
## 70	-292.82560	-490.5276	-515.2403	1326.9826	14220.296	-135.56267
## 72	420.95260	-862.9944	-962.1142	1654.1871	18234.853	-955.19884
## 68	3366.83545	-1031.7141	-902.9867	1274.4698	17683.940	-1494.26003
##	M11321_at	M11353_at	M11433_at	M11437_cds1_at	M11437_cds2_at	M11567_rna1_at
## 39	-1017.8170	16094.23	-726.0003	-541.4692	-277.5468	-1597.159
## 40	-992.0587	20163.01	-612.0275	-591.2985	-519.8987	-2334.836
## 42	-1360.0615	29140.79	-714.8597	-788.5332	-375.5148	-1625.733
## 47	-1014.0898	23464.73	-417.2048	-940.0237	-430.2753	-1480.270
## 48	-1306.1864	33861.22	-1055.7683	-1060.1234	-868.4992	-3004.674
## 49	-1345.4617	24685.58	-708.2162	-668.9340	-863.1629	-2982.222
## 41	-852.1058	24565.82	-574.4993	-621.8955	-479.7068	-1587.876
## 43	-737.3628	19528.78	-522.6167	-600.5148	-596.3041	-1065.798
## 44	-910.5970	21842.72	-835.6010	-701.5173	-1176.4917	-2746.862
## 45	-1133.0331	13031.64	-982.8934	-722.9500	-1233.8732	-3320.143
## 46	-864.0207	14689.54	-594.0717	-756.0411	-454.5980	-1358.927
## 70	-755.6279	17808.14	-614.0913	-551.1861	-400.6630	-1368.953
## 72	-1243.3378	28453.41	-862.9944	-936.7580	-650.9242	-2015.550
## 68	-1430.9872	30397.41	-953.1686	-1003.3505	-998.9868	-2150.988
##	M11591_at	M11717_rna1_at	M11718_at	M11722_at	M11726_at	M11749_at
## 39	-809.6830	-361.2295	-206.738311	18038.241	1042.06537	-867.6172
## 40	-448.4989	424.4212	-1337.541595	10031.149	574.13045	-727.1885
## 42	-667.9765	-257.1906	-505.001654	8998.888	-194.67967	-777.3706
## 47	-554.4448	1153.4304	-554.444769	15417.674	-131.83279	-626.3324
## 48	-1077.5438	17592.7568	-798.817608	14696.617	-480.89553	-962.1337
## 49	-258.6527	-289.2055	151.628621	13717.100	-134.25888	-854.4335
## 41	-682.8335	569.7814	-603.839801	2700.355	-59.91153	-416.5118
## 43	-486.8256	2494.3564	317.419798	15307.544	-575.25051	-457.3507
## 44	-681.0639	-362.8992	-3.827667	19390.581	-94.73186	-406.0787
## 45	-640.0371	17000.2569	-294.939856	27010.317	106.17963	-270.2901
## 46	-468.0955	1342.8125	-263.384134	11609.873	-121.66091	-657.0598
## 70	-533.2132	-254.6332	-369.210451	3144.493	228.38868	-564.6658
## 72	-860.6893	-551.8044	-374.310797	2255.821	-494.17658	-625.5679
## 68	-806.9867	1104.2879	-745.895687	11350.116	-521.16820	-837.5321
##	M11973_cds1_at	M12036_at	M12174_at	M12529_at	M12625_at	M12759_at
## 39	16.41561	-964.1742	1591.36733	-901.9486	-552.19775	-485.680714
## 40	-1374.39310	-2053.8428	357.62783	-1671.5084	-1934.07540	11797.718239
## 42	-413.46783	-1804.3354	1999.89951	-1132.3432	316.57021	-473.746203
## 47	-639.40285	-1133.9024	-380.17179	-384.5286	-720.00410	4765.237930

## 48	-1556.60448	-1066.6561	-245.72029	-1349.7374	-772.68703	-1197.308979
## 49	-162.62940	-1454.5790	343.67519	-1260.3501	-1537.50824	5.411348
## 41	-441.33841	-802.4526	-454.88019	-1468.2569	-806.96654	-653.493004
## 43	-558.40768	-1328.9674	-32.06905	-813.1556	-72.07079	3283.864305
## 44	-592.43230	-976.5025	-315.17452	-951.5038	-244.72377	-778.785888
## 45	-409.22530	-772.2496	2474.80142	-673.6504	-91.01878	-1063.565470
## 46	-594.07167	-789.7847	429.48498	-1019.2414	-164.40283	-366.864587
## 70	-414.14272	-1124.0725	221.64884	-1013.9885	-701.70922	2164.969317
## 72	-607.12704	-879.1302	-60.81566	-1543.0022	-282.10635	1149.367763
## 68	-846.25942	-1238.9871	1429.37908	-1609.8965	-124.07692	-69.531415
##	M12886_at	M13143_at	M13149_at	M13194_at	M13207_at	M13241_at M13450_at
## 39	-335.4810	415.51782	-163.8241	1690.07003	59.32983	-768.9145 1514.122
## 40	2435.1317	-84.59028	-533.7180	-68.46774	1027.86466	-319.5187 2697.699
## 42	-136.6338	-243.79538	-337.5617	-49.56508	-1344.43377	-710.3946 2147.247
## 47	1748.1370	-218.96928	-325.7115	1024.90411	-1014.08975	-513.0549 1776.456
## 48	-709.5381	-496.13837	-866.3216	440.20748	-1430.30667	-829.3033 2445.730
## 49	-535.8108	35.96421	-171.3588	943.82071	795.42109	-553.2696 1908.418
## 41	-840.8210	-389.42824	-479.7068	707.45617	-1387.00624	-700.8892 2871.884
## 43	-284.7116	-269.97411	-173.1278	782.70315	-385.76861	-526.8274 1740.639
## 44	-431.0774	-131.09353	-396.9883	1280.19402	-1049.22585	-494.7103 2834.656
## 45	-463.0067	32.23023	-492.1383	628.30724	-1527.42991	-492.1383 1439.510
## 46	-139.6575	-297.12776	-477.0938	692.68526	-1185.70991	-384.8612 1453.042
## 70	1010.2101	-335.51125	-331.0180	1219.14513	-310.79851	-418.6359 1827.977
## 72	4991.9883	-348.95457	-584.0759	457.83438	-1280.21953	-547.1941 2135.955
## 68	-911.7140	-560.44097	-885.5322	940.65135	-1821.53306	-1055.7142 6489.020
##	M13666_at	M13699_at	M13755_at	M13792_at	M13903_at	M13934_cds1_at
## 39	85.078357	-886.9286	188.072475	8258.091	-423.45510	-1472.7077
## 40	-6.280823	-266.5446	-1934.075401	2771.402	-489.95688	-782.4657
## 42	-388.909978	-594.3029	1821.296930	4201.176	-379.97985	-1156.9011
## 47	-480.378753	-367.1013	2475.726662	7383.689	-384.52861	-959.6294
## 48	-361.130363	-959.9562	-71.516416	15872.494	239.87302	-1401.9985
## 49	195.275568	-841.3394	511.715935	9810.698	769.23292	-1500.4083
## 41	-466.165009	-813.7374	-35.084923	9983.577	-707.66014	-725.7158
## 43	-436.297117	-718.4146	-6.804796	7690.371	-507.87917	-910.0019
## 44	-108.367486	-849.2366	87.076523	3616.432	-528.79937	-931.0504
## 45	9.821320	-675.8913	-84.296102	9878.705	-613.14638	-877.5715
## 46	-238.638808	-958.5028	2337.124630	5981.436	51.55637	-747.0428
## 70	-265.866241	-755.6279	639.518907	7909.559	-182.74155	-780.3407
## 72	-79.256552	-874.5199	480.885490	5406.908	268.81525	-1367.8138
## 68	-381.531708	-852.8049	630.832879	19715.214	-10.62227	-1230.2598
##	M13934_cds2_at	M13955_at	M13982_at	M14016_at	M14058_at	M14091_at
## 39	25610.45	-423.4551	-1803.147	265.3181	-9.332918	-419.16368
## 40	34926.65	-773.2529	-1450.399	429.0276	-61.558087	-694.94340
## 42	30020.41	-822.0212	-1860.149	2147.2466	-819.788698	-763.97539
## 47	31797.16	-136.1896	-1458.486	279.8871	133.933500	-401.95591
## 48	33225.38	-184.7489	-2133.655	701.5133	-591.950502	-855.43387
## 49	34128.59	-937.3627	-1609.526	-537.9931	-136.441231	11.95839
## 41	35665.57	-127.6204	-1052.976	332.8002	-583.527126	-565.47142
## 43	28394.43	1138.5081	-1400.549	2058.5480	-747.889584	-646.83257
## 44	29315.05	-340.1732	-1156.038	246.1589	41.624428	-151.54698
## 45	33591.81	-570.5694	-1482.612	-135.8366	97.216069	-220.99045
## 46	30254.35	-249.8867	-1208.206	460.9790	-252.136259	-603.06997
## 70	38155.71	183.4564	-1276.842	417.1042	-250.139948	-533.21322
## 72	34163.17	-623.2628	-2082.398	-192.2070	-187.596783	-980.55506

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## 68      33318.86 -204.8043 -1871.715  235.9234 -1129.896048 -996.80501
##      M14113_at M14123_xpt2_at M14123_xpt3_at M14123_xpt4_at M14158_cds4_at
## 39 -148.8041      -329.04383      -361.2295      -886.9286      1.395636
## 40 -549.8406      -93.80316      -331.0347      -1017.3941      -43.132332
## 42 -565.2800      -444.72328      -348.7244      -1036.3443      -217.004996
## 47 -504.3413      -205.89881      -608.9051      -844.1736      114.327790
## 48 -805.3503      -528.80160      -957.7786      -1097.1417      -554.932178
## 49 -359.0407      -529.26376      114.5287      -1201.4267      570.639314
## 41 -646.7221      -380.40038      -551.9296      -628.6664      -285.607905
## 43 -314.1866      -314.18656      -537.3541      -924.7394      -295.238364
## 44 -256.0868      127.98341      -515.1637      -342.4458      91.621732
## 45 -187.3771      68.08449      -398.0208      -971.6889      -21.551154
## 46 -479.3433      -389.36034      -621.0666      -949.5045      -164.402832
## 70 -250.1399      -434.36224      -445.5953      -715.1889      -335.511252
## 72 -715.4673      -411.19258      -466.5152      -853.7739      -63.120773
## 68 -614.9865      -700.07746      -791.7139      -844.0776      -438.259035
##      M14159_cds2_at M14200_rna1_at M14218_at M14219_at M14338_at M14539_at
## 39 -1384.7335      243.8610      -886.9286      -839.72299      -882.6372      -938.42569
## 40 -268.8478      488.9113      -2420.0547      -17.79692      -665.0016      -971.32972
## 42 -1625.7328      -339.7943      -1498.4785      -337.56174      -1087.6926      950.60936
## 47 -1218.8605      658.9309      -1458.4859      -192.82834      -1046.7659      -776.64282
## 48 -1639.3513      1603.0184      -1909.3673      448.91767      -1430.3067      -14.90016
## 49 -1111.9505      428.7867      -3054.2396      -479.06977      -1074.8506      -1478.58486
## 41 -1190.6504      2801.9186      -1089.0870      -208.87114      -615.1246      14599.06835
## 43 144.7807      515.3231      -1360.5477      79.51474      -834.2091      1715.37519
## 44 -1156.0383      1175.6542      -1149.2205      -174.27302      -912.8696      -1133.31223
## 45 -848.4399      5836.1379      -1590.1749      -52.92363      -893.2578      -1323.50883
## 46 -1300.4382      568.9586      -652.5606      40.30850      -704.3008      -893.26515
## 70 -811.7933      1798.7714      -1625.0673      -443.34869      -676.9965      -1108.34622
## 72 -1241.0326      1707.2047      -1515.3409      -501.09192      -1058.9288      -565.63503
## 68 -1736.4421      3853.3814      -1819.3512      -182.98607      -1110.2597      12604.66231
##      M14565_at M14636_at M14648_at M14660_at M14676_at M14764_at M14949_at
## 39 63.62125 -732.4375      -762.4774      -397.7066      1218.0137      -371.95804      -1249.55376
## 40 -766.34320 -489.9569      -519.8987      -358.6734      3658.1411      309.26023      -639.66614
## 42 -862.20681 -587.6053      -766.2079      -429.0956      1935.1561      -69.65787      -509.46672
## 47 -173.22263 -279.9648      -922.5964      -652.4733      1369.0932      -343.13878      -77.37249
## 48 -398.14869 -729.1361      -1101.4968      -988.2643      4087.6012      -141.19797      -1075.36626
## 49 -361.22301 -697.3045      -601.2812      -712.5809      2083.0060      295.66355      -219.37043
## 41 -827.27922 -547.4157      -689.6044      -768.5982      1416.1428      -461.65108      -806.96654
## 43 -177.33851 -295.2384      -507.8792      -773.1538      2454.3546      -162.60103      -457.35066
## 44 -276.54024 -471.9842      -660.6104      -569.7063      1487.0011      112.07518      -412.89652
## 45 -588.49658 -299.4216      -635.5553      -657.9642      2804.2124      -350.96213      -566.08767
## 46 -351.11756 -589.5725      -672.8068      -398.3586      2105.4184      -213.89348      -355.61671
## 70 -510.74709 -501.7606      -564.6658      -459.0750      349.7058      -304.05867      -899.41118
## 72 -125.35878 -853.7739      -800.7564      -602.5168      2915.0830      70.57568      -586.38104
## 68 -809.16847 -704.4411      -994.6232      -817.8958      2291.1981      -311.71346      -433.89539
##      M15059_at M15182_at M15205_at M15353_at M15517_cds5_at M15656_at
## 39 74.34980 1481.9361      906.88559      -670.2118      -670.2118      -2695.7628
## 40 613.28518 2089.6488      468.18236      -540.6277      -807.8011      -3046.5303
## 42 -190.21461 2095.8984      3339.41885      -659.0464      -1067.5998      -766.2079
## 47 42.44019 1190.4634      1406.12625      -604.5483      -730.8962      -1305.9970
## 48 -295.80391 1955.7812      5444.21388      -668.1647      -1179.8886      -3322.5963
## 49 911.08550 1159.8731      -84.06489      -542.3578      -1018.1096      -1823.3957
## 41 -211.12810 1937.5014      2862.85660      -470.6789      -1082.3161      -1219.9909

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## 43	772.17637	1172.1937	3435.44983	-364.7151	-874.2109	-1295.2818	
## 44	-97.00446	1968.7933	2439.22244	-528.7994	-981.0477	-4055.8819	
## 45	-218.74956	883.7688	1988.52807	-454.0431	-1247.3185	-2107.8207	
## 46	168.53428	1803.9753	2280.88525	-571.5759	-544.5810	-893.2651	
## 70	277.81417	749.6030	875.41330	-533.2132	-557.9260	-771.3542	
## 72	-3.18788	2265.0416	1029.50198	-512.6175	-1038.1828	-2289.8583	
## 68	-625.89557	1911.5614	1479.56095	-872.4413	-1295.7144	-1605.5329	
##	M15661_at	M15780_at	M15796_at	M15841_at	M15856_at	M15881_at	M15958_at
## 39	1218.0137	-985.6313	-314.0239	-20.06147	-329.0438	-123.05559	-2238.726
## 40	1820.1721	-1199.3484	-245.8156	-238.90597	-556.7502	-174.41583	-1577.076
## 42	2379.4300	-875.6020	316.5702	-136.63384	-667.9765	-967.13583	-2119.122
## 47	820.1334	-1114.2967	138.2903	-210.25563	682.8934	-77.37249	-1621.867
## 48	3547.5692	-1325.7843	814.7458	1213.23719	-816.2380	-572.35257	-2423.269
## 49	1395.5666	-1009.3802	640.4744	-293.57024	-448.5169	-282.65850	-4370.195
## 41	2501.7424	-820.5083	1016.6602	377.93945	-472.9359	-430.05359	-1851.941
## 43	2008.0195	-910.0019	220.5735	-309.97585	-360.5044	-440.50783	-1396.339
## 44	2109.6948	-2301.4311	-903.7791	-624.24876	-801.5119	-535.61718	-1665.102
## 45	1840.6293	-4261.3169	-3842.2703	-2948.15480	-1121.8286	-422.67064	-1699.979
## 46	2375.3674	-873.0190	-391.6099	193.27960	-351.1176	-285.87988	-1885.328
## 70	1747.0992	-641.0507	-153.5356	68.87914	-405.1563	-297.31883	-1350.980
## 72	3007.2875	-1068.1493	-104.6128	169.69547	-491.8715	-487.26125	-2377.453
## 68	4204.6544	-1175.7143	181.3779	698.46931	-737.1684	-937.89587	-2759.716
##	M15990_at	M16038_at	M16279_at	M16282_at	M16404_at	M16405_at	M16424_at
## 39	-13.624339	-277.54677	14660.892	342.56365	-511.4292	1368.21341	-629.4433
## 40	-98.409596	1239.76083	7939.826	249.37652	-665.0016	118.09302	-1056.5488
## 42	-442.490751	-136.63384	7985.318	-214.77246	-828.7188	881.40086	-938.1129
## 47	-256.002292	46.79701	9187.415	-269.07277	-772.2860	783.10035	210.1779
## 48	-535.334242	-628.96883	3445.224	-184.74894	-1160.2907	-243.54275	-1251.7477
## 49	7.593695	158.17566	13889.505	524.81002	-887.1687	1249.34934	-1279.9912
## 41	-454.880190	452.41926	5237.183	-290.12183	-671.5487	-177.27364	-161.4749
## 43	-356.293645	-97.33504	5677.652	24.77552	-547.8809	90.04151	-783.6806
## 44	-353.808799	-15.19069	10934.219	-571.97886	-931.0504	316.60960	-517.4363
## 45	-447.320444	-373.37104	5291.601	-608.66460	-1117.3469	106.17963	-826.0310
## 46	-382.611612	-222.89178	3833.092	-238.63881	-454.5980	-45.17535	-870.7694
## 70	-411.896104	408.11774	3571.349	-196.22123	-701.7092	419.35081	-652.2837
## 72	1266.928438	132.81369	14486.742	-42.37477	-945.9784	354.10437	-653.2293
## 68	-737.168406	24.28685	22771.945	-820.07758	-1138.6233	-368.44079	-527.7137
##	M16441_cds1_at	M16447_at	M16505_at	M16801_at	M16937_at	M16961_at	M16967_at
## 39	-1105.7911	-221.7583	-659.4833	-507.1378	-294.7125	-309.73243	-1037.1284
## 40	-3643.0641	-268.8478	-752.5239	-499.1698	-506.0794	-185.93193	-865.3816
## 42	-2313.3528	-411.2353	-779.6031	-703.6970	-538.4896	-605.46560	-884.5321
## 47	-959.6294	-151.4385	-626.3324	-621.9755	-425.9184	-90.44296	-844.1736
## 48	-2320.9240	-354.5977	-983.9092	-944.7134	-885.9195	-803.17270	-1264.8130
## 49	-2080.9127	-140.8059	-797.6925	-640.5635	-716.9456	-271.74677	-1216.7032
## 41	-1357.6657	-215.6420	-204.3572	-560.9575	-554.1866	-610.61069	-707.6601
## 43	-1653.1920	-137.3368	-501.5631	-415.2436	-356.2936	-309.97585	-411.0329
## 44	-1685.5552	-424.2595	-508.3459	-556.0706	-776.5133	-419.71434	-603.7953
## 45	-2780.0880	-254.6038	-640.0371	-561.6059	-778.9723	-268.04916	-626.5917
## 46	-1095.7269	-119.4113	-339.8697	-483.8425	-666.0581	-405.10736	-693.0530
## 70	-899.4112	-272.6061	-254.6332	-445.5953	-739.9016	-425.37578	-739.9016
## 72	-2372.8423	-448.0744	-955.1988	-614.0424	-602.5168	-528.75325	-1151.1333
## 68	-2037.5333	-137.1678	-590.9865	-955.3504	-937.8959	-854.98670	-1042.6232
##	M16973_at	M17219_at	M17262_at	M17316_at	M17466_at	M17733_at	M17754_at
## 39	-700.2518	-558.6349	110.826886	-1509.18476	-241.0697	58366.87	261.02664

## 40	214.8282	-390.9185	270.105497	-837.74300	-213.5706	24101.52	472.78880
## 42	-918.0201	-650.1162	-138.866368	-761.74286	-801.9284	45735.21	104.47964
## 47	-351.8524	-238.5750	-5.484884	-959.62945	-347.4956	23205.50	678.53656
## 48	-707.3606	-598.4831	30.828363	-1269.16808	-1206.0192	38534.24	-230.47745
## 49	-267.3821	-304.4820	422.239693	-66.60612	-974.4626	40614.53	-590.36948
## 41	-633.1803	-572.2423	-321.719326	-617.38158	-931.0996	36320.09	-454.88019
## 43	-112.0725	-202.6028	231.100263	-465.77208	-1021.5857	49355.34	-259.44734
## 44	-821.9654	-515.1637	-153.819581	-603.79532	-781.0585	47386.80	-369.71703
## 45	-857.4035	-516.7881	-5.864917	-823.79013	-664.6869	30044.48	-628.83262
## 46	-420.8544	-479.3433	-96.915580	-825.77790	-695.3025	42586.52	-418.60481
## 70	-894.9180	-317.5383	-59.177820	-1007.24862	-715.1889	54383.00	55.39946
## 72	-1441.5773	-549.4993	24.473455	-1086.59018	-763.8746	40601.35	-441.15902
## 68	-1247.7143	-833.1685	-558.259147	-841.89578	-1169.1688	40584.32	72.28690
##	M17885_at	M17886_at	M18000_at	M18079_at	M18185_at	M18533_at	M18728_at
## 39	39036.17	28479.27	31742.90	-500.7007	-934.1343	-562.9263	-788.225935
## 40	59011.41	52744.35	43123.80	-641.9694	-853.8655	-586.6921	-1010.484450
## 42	37486.00	47195.28	37077.45	-792.9983	-726.0223	-692.5344	-788.533247
## 47	51293.95	61963.81	47897.80	-604.5483	-504.3413	-384.5286	-550.087944
## 48	46059.85	33497.57	40783.65	-922.9379	-1541.3616	-1014.3949	9.052878
## 49	55930.24	46557.06	46502.50	-797.6925	-1125.0446	-762.7749	-775.869007
## 41	66152.64	56524.43	44445.16	-527.1030	-746.0285	-696.3753	-676.062642
## 43	45014.10	60088.43	33885.19	-440.5078	-152.0743	-476.2989	576.378403
## 44	54277.34	46707.29	38823.62	-751.5146	-631.0666	-626.5214	-896.961335
## 45	58869.06	42653.98	48729.03	-790.1768	-635.5553	-577.2921	785.169606
## 46	46482.79	49395.99	26544.80	-528.8340	-834.7762	-645.8119	-672.806794
## 70	59529.99	57150.83	41127.98	-405.1563	-748.8881	-593.8718	-519.733540
## 72	44858.89	42871.88	43443.55	-620.9577	-985.1653	-745.4337	-699.331488
## 68	53865.06	37440.32	43023.60	-802.6230	-1411.3509	-942.2595	-828.804856
##	M18731_at	M18737_rna1_at	M19159_at	M19283_at	M19301_at	M19481_at	
## 39	-1597.1589	243.860956	1202.99368	11965.88	-584.3834	-1301.0508	
## 40	-1630.0504	380.660025	2002.12643	16540.05	-496.8665	-759.4335	
## 42	-1739.5920	-268.353238	-1127.87815	12658.01	-748.3477	-795.2308	
## 47	-1101.2262	645.860377	173.14492	14997.24	-613.2619	-935.6669	
## 48	-1687.2574	-62.806222	1324.29216	23361.08	-964.3113	-1166.8233	
## 49	-2480.2823	928.544281	4597.07019	20478.01	-363.4054	-832.6100	
## 41	-1271.9011	-290.121833	147.72914	17618.89	-579.0132	-579.0132	
## 43	-1537.3975	-61.544014	-446.82389	8334.61	-522.6167	-415.2436	
## 44	-1210.5808	-153.819581	448.42068	11070.58	-599.2501	-724.2434	
## 45	-1778.4097	-234.435799	-449.56134	11989.62	-339.7577	-660.2051	
## 46	-1390.4212	-252.136259	11.06402	10885.51	-650.3110	-666.0581	
## 70	-899.4112	-5.259102	839.46749	22402.46	-596.1184	-432.1156	
## 72	-1635.2067	1195.469988	1310.72555	16727.31	-669.3650	-703.9417	
## 68	-2275.3517	-41.167752	-632.44104	34621.41	-944.4413	-1031.7141	
##	M19483_at	M19507_at	M19645_at	M19684_at	M19720_rna1_at	M19720_rna2_at	
## 39	3250.002	421.95495	1385.37910	-2131.4409	301.79515	-1425.5020	
## 40	5249.666	-708.76272	-54.64843	-489.9569	-275.75748	-780.1625	
## 42	5382.186	1479.71950	3196.53678	-2771.0219	-176.81942	-1096.6227	
## 47	8268.125	902.91302	275.53030	-1724.2521	-447.70257	-1014.0898	
## 48	6365.317	-583.24031	949.75382	-2667.1542	-530.97914	-1615.3983	
## 49	4477.041	2128.83533	1273.35516	-1133.7740	245.46956	-1544.0553	
## 41	6819.314	-615.12462	520.12817	-1502.1114	-572.24231	-852.1058	
## 43	4203.904	1986.96593	1127.98129	-1457.3941	14.24875	-945.7929	
## 44	6591.271	-724.24337	50.71485	-1546.9263	-172.00042	-926.5052	
## 45	5632.217	-895.49864	2595.80953	-1623.7882	-144.80016	-702.7820	

##	46	4829.654	-679.55552	2001.93795	-1039.4875	-252.13626	-828.0275
##	70	6691.895	1511.20486	1859.42991	-1166.7582	-234.41366	-906.1510
##	72	4911.309	-86.17189	3380.71549	-2276.0276	-192.20701	-1241.0326
##	68	12063.571	-793.89573	1678.10659	-2687.7157	-630.25921	-1326.2599
##		M19722_at	M19961_at	M19989_cds1_at	M19989_cds2_at	M20137_at	M20218_at
##	39	385.47787	1782.3356	-949.1542	-283.98390	-170.2612	-215.3212
##	40	1352.61858	1170.6643	-793.9818	-522.20195	-280.3639	-635.0597
##	42	1057.77091	1406.0459	-1085.4600	901.49365	-451.4209	-670.2090
##	47	563.08071	2815.5590	-996.6625	-136.18962	-789.7133	-839.8168
##	48	1108.71486	4823.6126	-1142.8703	355.28309	-750.9115	-1057.9459
##	49	1192.60831	1279.9022	-1415.2968	-441.96986	-140.8059	-566.3637
##	41	138.70129	2339.2410	-894.9881	1447.74029	-497.7625	-615.1246
##	43	1178.50979	1593.2646	-985.7946	666.90865	-606.8308	-566.8291
##	44	-399.26089	1793.8027	-765.1503	-769.69547	-674.2461	-256.0868
##	45	233.91042	502.8173	-1005.3023	155.47923	-346.4803	-207.5451
##	46	773.66997	800.6649	-558.0785	20.06232	-346.6184	-243.1380
##	70	57.64607	1259.5842	-766.8610	-400.66304	-400.6630	-519.7335
##	72	559.25927	2871.2859	-1038.1828	-556.41459	-300.5472	-715.4673
##	68	273.01436	3973.3815	-1149.5324	-617.16829	-695.7138	-758.9866
##		M20471_at	M20530_at	M20543_at	M20681_at	M20777_at	M20786_at
##	39	100.0983	-185.28120	-674.5033	166.61537	-1803.1471	-3762.1811
##	40	4303.0425	-282.66714	-478.4408	-20.10014	-1362.8770	-2793.1762
##	42	401.4064	-219.23753	-589.8379	526.42824	-1440.4327	-2344.6082
##	47	3264.3119	88.18684	-347.4956	499.90676	-1197.0764	-711.2905
##	48	5193.7958	-646.38921	-973.0215	-940.35826	-822.7706	-1891.9469
##	49	284.7518	-190.99991	-884.9864	-738.76910	-1596.4316	-4210.8837
##	41	4426.9325	-502.27643	-529.3600	-590.29802	-1556.2785	-1732.3217
##	43	1492.2076	-331.02939	-421.5596	-451.03460	-1537.3975	-2301.6412
##	44	593.8674	-471.98425	-319.7197	421.14942	-1744.6429	-2601.4149
##	45	594.6939	-830.51281	818.7830	6161.06712	-1478.1303	-2020.4259
##	46	179.7822	-389.36034	-609.8187	98.79745	-834.7762	-1500.6504
##	70	610.3129	-596.11839	-355.7308	1389.88774	-1110.5928	-1479.0374
##	72	568.4797	-298.24212	-588.6861	-690.11104	-2006.3296	-2110.0596
##	68	4843.9277	-756.80479	-804.8048	-440.44085	-1518.2600	-2720.4430
##		M20919_at	M21005_at	M21056_at	M21121_at	M21154_at	M21186_at
##	39	-809.6830	1374.65054	-1037.1284	-610.1319	539.969045	13075.211
##	40	-1302.9933	-1174.01302	-1245.4128	-469.2279	-409.344205	3729.541
##	42	-955.9732	5478.18472	-1511.8737	-482.6763	559.916220	6221.618
##	47	-826.7463	-77.37249	-909.5260	-600.1914	-55.588365	29028.393
##	48	-996.9745	-692.11773	-1062.3010	-409.0364	161.481271	19334.796
##	49	-1083.5800	-426.69343	-1448.0320	-158.2647	-9.865084	11069.912
##	41	-856.6197	1120.48054	-894.9881	-788.9108	10.054353	20417.521
##	43	-651.0433	36992.69538	-345.7669	-625.7790	186.887819	14861.209
##	44	-951.5038	1287.01183	-953.7765	-617.4310	75.713499	14449.939
##	45	-917.9076	18.78488	-926.8711	-433.8751	238.392202	15149.281
##	46	-810.0309	-132.90878	-681.8051	-405.1074	-87.917280	16248.497
##	70	-647.7905	3463.51179	-1085.8801	-247.8933	120.551241	13150.908
##	72	-1003.6062	1140.14732	-844.5535	172.0006	1227.741546	9846.553
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##		M21259_at	M21389_at	M21494_at	M21551_rna1_at	M21574_at	M21624_at
##	39	1436.8762	-1689.4245	565.7176	-625.15191	-577.94628	-361.2295
##	40	2750.6727	-1330.6319	-2044.6299	240.16365	-434.67962	-280.3639
##	42	2439.7084	-339.7943	-726.0223	-283.98096	-473.74620	-598.7680
##	47	3410.2655	-580.5857	-1059.8364	-123.11914	-227.68293	-881.2066

## 48	6469.8392	-467.8302	-1088.4316	-358.95281	-705.18302	-844.5461
## 49	2632.9576	-127.7118	-75.3355	188.72853	-51.32968	-424.5111
## 41	3634.7382	-342.0320	-314.9484	-635.43729	-527.10303	-484.2207
## 43	1020.6082	-406.8222	-1830.0418	-421.55964	-269.97411	-581.5666
## 44	2961.9215	-715.1530	-276.5402	-501.52811	-140.18395	-458.3486
## 45	3212.0546	-225.4722	-646.7597	-198.58154	-250.12204	-709.5047
## 46	406.9892	-711.0496	-1358.9272	-630.06487	-391.60991	-265.6337
## 70	2863.6660	-1045.4410	-465.8148	-481.54111	-337.75787	-632.0642
## 72	3620.4471	-892.9608	-169.1559	-21.62877	-632.48326	-328.2086
## 68	4966.1097	-649.8956	-1040.4414	-678.25926	-793.89573	-861.5322
##	M21812_at	M21904_at	M21934_at	M21984_at	M21985_at	M22005_at
## 39	668.7117	-3369.51602	-82.28708	-1011.37986	243.860956	-919.1143
## 40	1281.2188	-5280.65309	-31.61624	-648.87902	7.538493	-982.8458
## 42	821.1225	4274.84985	-558.58243	-819.78870	-525.094444	-1150.2035
## 47	449.8033	-210.25563	-693.86315	-802.78376	-264.715941	-1009.7329
## 48	207.2098	-1593.62280	-524.44650	-1480.39028	-258.785585	-1552.2494
## 49	1386.8372	-2403.90014	234.55782	-2194.39479	127.622800	-1441.4850
## 41	188.3545	1066.31341	-662.52086	25.85310	-371.372529	-962.6970
## 43	858.4959	-389.97932	-349.97758	-693.15037	-621.568314	-1202.6462
## 44	557.5057	1930.15898	-658.33784	-1190.12735	-2315.066700	-1274.2137
## 45	937.5502	2185.72648	-772.24964	-561.60589	-2741.992829	-1836.6729
## 46	386.7431	87.54957	-461.34674	-812.28045	-398.358637	-762.7898
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## 72	356.4095	-542.58392	-466.51525	-1118.86174	24.473455	-1257.1684
## 68	414.8327	2539.92558	-569.16825	-1564.07827	-691.350181	-1446.2600
##	M22092_at	M22324_at	M22382_at	M22430_at	M22489_at	M22490_at M22538_at
## 39	-1363.2764	934.7798	969.1112	-603.69481	-655.1919	1005.58829 -339.7724
## 40	-996.6651	-1063.4585	5505.3230	-20.10014	-701.8531	1884.66225 458.9695
## 42	-1085.4600	-634.4885	2928.6329	-163.42422	2283.4311	492.94025 1269.8615
## 47	-1101.2262	288.6008	5479.7571	-367.10132	-761.3939	554.36706 1809.1325
## 48	-1508.6984	-387.2609	8908.6935	-598.48315	-931.6481	83.08953 1964.4914
## 49	-1485.1319	-2218.4006	5059.7278	409.14561	-913.3569	2868.65108 315.3047
## 41	-1012.3502	-678.3196	5094.9938	-161.47490	-565.4714	750.33848 2968.9339
## 43	-880.5269	-465.7721	3085.9610	-537.35413	-421.5596	349.00012 1405.8881
## 44	-1176.4917	-360.6266	1425.6407	-971.95729	427.9672	862.03474 1530.1805
## 45	-1319.0270	-622.1099	9266.9420	-1177.85091	-635.5553	946.51376 3281.5222
## 46	-774.0377	-222.8918	2195.4014	-245.38753	110.0453	508.22011 1774.7309
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##	M22632_at	M22638_at	M22760_at	M22877_at	M22898_at	M22919_rna2_at
## 39	-1451.25057	342.56365	1243.7622	-320.46098	748.10299	265.31806
## 40	-948.29753	429.02763	1057.8065	-155.99008	714.62683	2711.51799
## 42	-304.07375	209.40866	1071.1661	140.20016	495.17279	-529.55951
## 47	-401.95591	508.62041	1447.5161	-168.86580	173.14492	-1512.94616
## 48	133.17314	-204.34687	2214.9095	-78.04906	1485.43075	-402.50378
## 49	-924.26863	25.05247	1500.3193	86.15820	1037.66165	-273.92911
## 41	375.68249	1131.76536	1914.9318	-147.93311	253.80644	-165.98882
## 43	-617.35760	363.73760	858.4959	-76.28150	-21.54228	-768.94313
## 44	21.17099	1273.37620	1432.4585	34.80661	530.23445	37.07922
## 45	-178.41352	-46.20096	1605.3357	144.27478	142.03389	61.36181
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## 48 -230.4775 3014.069778 -67.16132 -32.32054 298.66683 -533.156693
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## 45 778.4469 -79.814320 -149.28194 511.78090 -108.94590 -306.144311
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## 39 473.4520 -350.50093 -507.13782 -1290.3223 16375.31 -288.2753 43179.53
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##	41	-445.85233	-759.5703	-1736.835628	-608.3537	-378.1434	-689.60443
##	43	-324.71333	-194.1813	-2402.698230	-562.6184	-385.7686	-187.86528
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##	46	-375.86289	-614.3178	-4.683003	-571.5759	-506.3382	-634.56402
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## 49 -871.8923 1818.9420 2251.0468 592.4628 9260.746 -500.8932 -369.9524
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## 43 -227.8670 1056.3992 778.4924 -177.3385 2812.265 -345.7669 -606.8308
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## 42 -875.6020 -792.9983 566.613817 39.73621 7849.1340 -708.1621
## 47 -1001.0193 -613.2619 530.404528 -508.69811 255.9246 -739.6098
## 48 -1145.0478 -1073.1887 266.003598 -1216.90692 12222.9223 -981.7317
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## 46 -627.8153 -450.0989 341.7516 -596.3212 238.27110 -308.37564 1075.1130
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## 47 -310.46260 1035.7962 14.12083 -752.6803 -288.67848 417.127092
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## 44	-612.8857	-1217.3986	1146.1103	-158.36479	-424.25955	-606.0679	
## 45	-810.3448	-790.1768	529.7080	56.88003	-447.32044	-626.5917	
## 46	-609.8187	-751.5419	676.9382	400.24051	-762.78980	-216.1431	
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## 72	-860.6893	-1517.6460	2352.6359	-464.21014	-703.94171	-1367.8138	
## 68	-1149.5324	-1108.0778	1054.1060	-300.80436	-619.35011	-1926.2604	
##	M57732_at	M57763_at	M57892_at	M58028_at	M58285_at	M58297_at	
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## 47	-40.33948	-114.40550	-685.1495	1713.282	1103.32695	-826.7463	
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## 49	-989.73905	-575.09305	-1105.4035	6336.401	2488.92264	-564.1813	
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## 45	112.90231	6819.8891	-463.0067	-1159.92378	-875.3306	731.3882	
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## 47	-639.4028	637.14673	-338.78196	197.1075	2270.956	-765.7508	-114.4055
## 48	-1772.1818	2831.15571	-1055.76833	-983.9092	2341.207	573.0379	2188.7789
## 49	-433.2405	1203.52005	-273.92911	-596.9165	3879.078	1602.8896	-1557.1494
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## 45	-619.8691	1233.34781	-572.81034	-568.3286	2483.765	-651.2415	-398.0208
## 46	-877.5181	4015.30762	-31.67790	-564.8272	1219.086	202.2779	949.1368
## 70	-515.2403	4124.01609	-70.41089	-555.6794	2501.961	506.9687	-892.6713
## 72	-1333.2371	7333.98134	-752.34905	-736.2133	3242.409	660.6842	-1022.0471

## 68	-1924.0786	598.10558	-1546.62371	-944.4413	2522.471	-1068.8051	-1230.2598
##	M59829_at	M59830_at	M59911_at	M59916_at	M59941_at	M59964_at	M59979_at
## 39	-2.895785	-200.3012	192.3639	-1058.5855	-459.9322	-1062.8769	-1311.7794
## 40	525.762842	-301.0929	-872.2913	-1936.3786	-549.8406	-925.2653	-1040.4263
## 42	155.827886	-268.3532	-223.7026	-1467.2230	-819.7887	-866.6719	-1069.8323
## 47	-105.691847	430.1976	-188.4715	-785.3565	-600.1914	-894.2771	-1192.7196
## 48	-345.887524	984.5946	-870.6767	-3305.1759	-1221.2620	-1186.4212	-1373.6904
## 49	911.085502	494.2572	1002.7441	-2423.5413	-544.5402	-972.2803	-2216.2183
## 41	-536.130887	-603.8398	-585.7841	-1459.2291	-1028.1490	-703.1462	-852.1058
## 43	-168.917094	-122.5993	-375.2418	-2038.4719	-960.5304	-646.8326	-787.8913
## 44	-210.634700	-296.9937	-1415.1152	-2426.4243	-878.7805	-771.9681	-899.2339
## 45	-660.205089	2521.8601	-2136.9523	-3022.1042	-747.5998	-826.0310	-552.6423
## 46	-486.092065	-258.8850	-121.6609	-420.8544	-675.0564	-614.3178	-936.0071
## 70	-445.595303	331.7329	-198.4678	-1267.8558	-730.9152	-654.5303	-798.3136
## 72	-247.529676	-330.5137	-399.6670	-2271.4174	-588.6861	-1008.2164	-1667.4782
## 68	-161.167865	-824.4412	-673.8956	-2436.8064	-1223.7143	-1044.8051	-1046.9869
##	M60047_at	M60052_at	M60091_at	M60092_at	M60094_rna1_at	M60165_cds1_at	
## 39	-934.1343	-371.9580	374.74931	-299.0039	-638.0262	1031.336816	
## 40	-1390.5156	-1650.7794	1163.75460	-308.0026	-314.9122	933.432664	
## 42	-877.8345	-1366.7591	-379.97985	-623.3259	-699.2320	111.177242	
## 47	-785.3565	-397.5991	412.77027	-608.9051	-693.8632	521.690879	
## 48	-1560.9596	-1626.2860	22.11817	-857.6114	-1108.0295	187.611853	
## 49	-1376.0145	-2563.2115	841.25039	-186.6352	-544.5402	1683.636467	
## 41	-560.9575	-1032.6629	113.87469	-452.6232	-725.7158	165.784855	
## 43	-451.0346	-880.5269	418.47681	-646.8326	-733.1521	313.209089	
## 44	-840.1462	-653.7926	-192.45386	-599.2501	-467.4390	159.799875	
## 45	-622.1099	-1316.7862	88.25250	-498.8609	-344.2395	570.044070	
## 46	-776.2872	-614.3178	128.04193	-535.5827	-679.5555	-9.182153	
## 70	-497.2674	-937.6036	259.84126	-510.7471	-548.9395	-81.643953	
## 72	-1012.8266	-939.0631	61.35524	-510.3124	-872.2148	683.735283	
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## 39	924.0513	-695.9604	-3238.6277	-620.8605	-427.74652	-798.954489	
## 40	-612.0275	-457.7118	-4520.5907	-1252.3225	-236.60276	-897.626703	
## 42	3629.6480	3524.7190	-1761.9173	-942.5780	-1056.43711	-842.114021	
## 47	504.2636	-188.4715	-438.9889	-798.4269	-794.07012	-789.713291	
## 48	-731.3136	-1057.9459	-1597.9779	-1020.9276	-1029.63775	-1160.290655	
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## 41	-461.6511	-610.6107	-1881.2813	-946.8983	-694.11835	-700.889244	
## 43	393.2126	1146.9295	-1886.8864	-194.1813	-600.51477	-389.979317	
## 44	-242.4512	-451.5308	-1406.0248	-633.3392	-167.45521	-406.078708	
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## 70	-539.9531	-420.8826	-1611.5876	-679.2431	-490.52757	-519.733540	
## 72	609.9717	-616.3475	-1303.2706	-800.7564	-1058.92885	-869.909723	
## 68	-623.7138	-844.0776	-2990.9887	-1173.5325	-942.25951	-1108.077846	
##	M60459_at	M60527_at	M60556_rna2_at	M60626_at	M60721_at	M60724_at	
## 39	752.39441	-423.45510	-689.5232	-453.4951	939.071252	-584.3834	
## 40	-814.71081	-63.86131	-927.5686	-245.8156	-1316.812621	-331.0347	
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## 47	682.89339	658.93085	-1014.0898	-811.4974	5.407178	-526.1254	
## 48	-933.82561	655.78478	-1611.0432	-1007.8623	246.405662	-726.9585	
## 49	-564.18131	-304.48198	-2678.8759	-719.1280	-1061.756511	-492.1639	
## 41	-628.66640	-165.98882	-1308.0125	-617.3816	1937.501437	-533.8739	

## 43	-97.33504	205.83601	-1025.7964	-672.0968	475.321387	-406.8222	
## 44	900.66902	98.43955	-965.1395	-665.1557	-485.619875	-606.0679	
## 45	-218.74956	-306.14431	-1168.8873	-451.8022	1742.030063	-1354.8813	
## 46	-627.81529	-362.36544	-1003.4943	-659.3093	-38.426629	-405.1074	
## 70	-542.19967	-335.51125	-1326.2677	-438.8555	-805.053426	-463.5682	
## 72	-632.48326	259.59481	-1561.4431	-1068.1493	720.617064	-512.6175	
## 68	-1103.71421	120.28694	-1175.7143	-1005.5323	283.923462	-676.0774	
##	M60748_at	M60749_at	M60752_at	M60830_at	M60854_at	M60858_rna1_at	
## 39	2260.82910	-350.5009	7650.8546	-299.00387	43029.33	5181.141	
## 40	-1369.78667	-669.6080	-563.6599	364.53749	45655.04	7721.020	
## 42	-368.81719	-746.1151	495.1728	-217.00500	33197.30	13754.182	
## 47	-680.79268	-534.8391	-497.8061	-310.46260	39510.91	13086.773	
## 48	-683.40754	-944.7134	250.7608	1335.17990	39165.73	17383.712	
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## 43	-248.92057	-472.0881	-611.0415	54.25048	42866.63	6841.913	
## 44	-369.71703	-551.5254	-458.3486	-478.80206	51420.67	9488.842	
## 45	487.13110	-382.3346	7864.1443	-91.01878	49818.11	5618.771	
## 46	98.79745	-373.6133	2541.8360	-213.89348	45351.25	6897.013	
## 70	648.50536	-546.6929	2533.4139	563.13406	54547.00	8684.641	
## 72	-1077.36974	-879.1302	-265.9706	808.21129	48374.18	13057.573	
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## 39	767.4144	-908.3857	-1007.0884	-412.7265	-758.1860	-1037.12839	-251.79824
## 40	963.3745	-692.6402	-354.0669	-282.6671	-331.0347	-579.78244	-337.94441
## 42	1379.2555	-817.5562	-500.5366	-464.8161	-453.6534	651.45004	59.82900
## 47	1212.2476	-443.3457	-417.2048	-297.3921	-689.5063	-297.39212	-406.31274
## 48	3667.3343	-951.2460	-953.4235	-317.5794	-996.9745	-282.73862	-500.49347
## 49	2362.3465	-548.9049	-367.7701	-513.9873	-788.9631	-1559.33171	-234.64686
## 41	1027.9450	-470.6789	-678.3196	-321.7193	-759.5703	289.91786	91.30505
## 43	1294.3043	-486.8256	-305.7651	-436.2971	-314.1866	43.72371	-381.55790
## 44	991.5732	-906.0518	-683.3365	-524.2542	-596.9775	-335.62796	-203.81689
## 45	1251.2749	-765.5270	-581.7739	-368.8893	-371.1302	-570.56945	-581.77390
## 46	1102.1079	-594.0717	-490.5912	-456.8476	-636.8136	-288.12946	-607.56912
## 70	1473.0124	-557.9260	-366.9638	-414.1427	-587.1319	-614.09130	-389.42997
## 72	2281.1774	-899.8762	-731.6030	-644.0088	-837.6382	-1211.06619	971.87419
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##	M61916_at	M62302_at	M62324_at	M62397_at	M62400_at	M62402_at	
## 39	-614.4234	-20.06147	-90.869928	-562.9263	-625.15191	-655.1919	
## 40	-425.4667	-665.00155	2.932055	-388.6152	-846.95588	-565.9631	
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## 47	-669.9006	-314.81942	-334.425132	-534.8391	-613.26190	-643.7597	
## 48	-1003.5072	-642.03412	-291.448812	-894.6297	-968.66639	-1066.6561	
## 49	-653.6576	-1552.78467	217.099042	-570.7284	-1005.01548	-880.6217	
## 41	-518.0752	-396.19913	-229.183810	-585.7841	-648.97908	-901.7590	
## 43	-497.3524	24.77552	-284.711592	-389.9793	-295.23836	-314.1866	
## 44	-794.6941	-419.71434	-40.189343	-590.1597	-271.99503	-678.7913	
## 45	-713.9865	-212.02689	-216.508671	-534.7152	-55.16452	-516.7881	
## 46	-702.0513	-184.64901	-90.166855	-578.3246	-657.05977	-740.2940	
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## 72	-789.2308	-1058.92885	1435.201562	-671.6702	-807.67172	-750.0439	
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## 40 -529.1116 -273.4543 -1855.7659 1034.7743 984.10349 -2192.0360 -727.1885
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## 47 -417.2048 -223.3261 -1042.4091 3347.0916 197.10746 -1334.3164 -401.9559
## 48 -938.1807 -652.9219 -1724.2757 3220.9369 -234.83255 -1563.1371 -509.2037
## 49 -708.2162 -125.5295 -1934.6955 217.0990 487.71011 -4073.3959 -732.2221
## 41 -669.2918 -339.7750 -775.3690 2025.5230 -472.93590 -994.2945 -448.1093
## 43 -533.1434 -57.3333 -888.9483 1435.3630 -223.65631 -1263.7014 -187.8653
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## 39 -773.2060 778.1429 -196.009757 5.687058 -1000.6513 -185.281203
## 40 -867.6849 730.7494 265.499058 -192.841588 -918.3557 -1033.516644
## 42 -857.7417 1718.6004 986.329876 760.844121 -1101.0878 809.959830
## 47 -863.7793 632.7899 667.644500 -59.945190 -794.0701 1630.502711
## 48 -1336.6721 470.6932 470.693155 211.564886 -1269.1681 2430.486786
## 49 -1002.8331 1000.5617 891.444376 282.569462 -1227.6149 282.569462
## 41 -707.6601 838.3601 197.382348 583.323158 -777.6260 596.864941
## 43 -823.6823 620.5908 605.853366 515.323122 -472.0881 1709.059130
## 44 -667.4283 893.8512 -6.100272 559.778311 -701.5173 296.156160
## 45 -678.1322 668.6433 693.293075 336.991406 -1224.9096 5.339538
## 46 -663.8085 1144.8499 -69.920679 92.048725 -819.0292 829.909343
## 70 -703.9558 417.1042 298.033690 482.255978 -701.7092 203.675932
## 72 -1158.0486 418.6475 1543.541792 -245.224565 -1017.4368 397.901484
## 68 -1073.1687 997.3787 886.105846 1272.288027 -1162.6234 2055.561491
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## 39 235.278112 -1476.9991 2093.4637 -449.20363 898.30275 975.54834
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## 42 -208.074867 -1005.0889 993.0275 -726.02234 -20.54216 2033.38749
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## 48 -489.605724 -1384.5781 3020.6024 -685.58509 -642.03412 557.79509
## 49 633.927387 -2113.6479 1087.8556 -769.32196 -4313.45408 1716.37168
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## 46	-11.431728	-483.8425	1466.5391	-99.16516	1884.96004	168.53428
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## 72	-261.360344	-1105.0311	2170.5321	-1111.94641	769.02440	1038.72242
## 68	-460.077237	-1273.8962	2502.8346	-857.16852	3196.65347	81.01418
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## 40	-648.8790	-128.3514	-471.5311	-955.2072	-552.1438	-922.9621
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## 47	123.0414	-306.1058	-443.3457	-972.6999	-776.6428	4623.6411
## 48	-1018.7500	-744.3789	-785.7523	-1327.9619	-975.1990	2441.3745
## 49	-629.6517	-485.6168	-557.6343	-1179.6033	-682.0281	-169.1764
## 41	-718.9450	-658.0069	-490.9916	-1001.0654	-662.5209	3833.3510
## 43	273.2074	-592.0934	-446.8239	-486.8256	-621.5683	1197.4580
## 44	-808.3297	-485.6199	-565.1610	-1001.5012	-531.0720	1146.1103
## 45	-778.9723	-516.7881	-447.3204	-967.2072	-619.8691	164.4428
## 46	-789.7847	-578.3246	-537.8323	-1007.9935	-630.0649	2220.1467
## 70	-533.2132	-472.5547	-438.8555	-690.4761	-504.0072	-607.3515
## 72	-602.5168	-763.8746	-503.3970	-1312.4911	-750.0439	2963.4903
## 68	-1062.2596	-944.4413	-990.2596	-1204.0779	-817.8958	1333.3790
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## 39	323.25225	-981.3399	-449.20363	-861.1801	-97.30706	-603.6948
## 40	385.26646	-2010.0816	-384.00879	-734.0981	502.73065	-1535.6185
## 42	1129.21194	-1038.5769	-540.72217	-755.0453	26.34102	-1190.3890
## 47	645.86038	-794.0701	-715.64727	-563.1584	489.01470	-517.4118
## 48	1611.72856	-1290.9436	-633.32392	-1020.9276	1444.05733	-1190.7763
## 49	1083.49094	-1485.1319	-339.39953	-826.0630	1131.50259	-258.6527
## 41	319.25839	-994.2945	-579.01320	-642.2082	197.38235	-1219.9909
## 43	-42.59582	-1587.9260	-177.33851	-278.3955	1041.66175	-697.3611
## 44	180.25332	-296.9937	-367.44443	-485.6199	434.78505	-721.9708
## 45	180.12904	303.3780	36.71201	-696.0593	1058.55831	-899.9804
## 46	766.92124	-411.8561	-321.87309	-645.8119	701.68356	-767.2889
## 70	273.32094	-748.8881	-126.57622	-607.3515	367.67870	-971.3028
## 72	1066.38376	-505.7021	-807.67172	-796.1462	181.22102	-567.9401
## 68	1054.10600	-479.7136	-865.89580	-944.4413	857.74218	-922.6231
##	M64108_at	M64174_at	M64347_at	M64358_at	M64497_at	M64554_rna1_at
## 39	-56.53856	100.09833	-262.5268	-996.3599	-562.9263	-700.2518
## 40	1375.65077	219.43467	-476.1376	-570.5696	-377.0991	-752.5239
## 42	296.47742	10.71329	-507.2342	-949.2756	-460.3510	-810.8586
## 47	-151.43850	-351.85243	-526.1254	-811.4974	-730.8962	-926.9533
## 48	-36.67564	-141.19797	-491.7833	-1060.1234	-803.1727	-999.1521
## 49	684.12138	223.64608	-33.8709	-773.6867	-234.6469	-588.1871
## 41	-102.79384	-168.24579	-687.3475	-750.5424	-484.2207	-707.6601
## 43	161.62356	-107.86181	-364.7151	-482.6149	-371.0311	-823.6823
## 44	14.35317	118.89299	-565.1610	-671.9735	-696.9721	-931.0504
## 45	-93.25967	83.77072	-424.9115	-601.9419	-619.8691	-803.6221
## 46	285.51218	-207.14476	-409.6065	-686.3042	-285.8799	-535.5827
## 70	302.52692	-83.89057	-596.1184	-539.9531	-533.2132	-616.3379
## 72	250.37436	135.11880	-245.2246	-945.9784	-346.6495	-920.6222
## 68	-593.16827	168.28699	-730.6229	-1070.9869	-743.7139	-972.8050
##	M64571_at	M64572_at	M64590_at	M64595_at	M64673_at	M64676_at
## 39	730.93731	-1451.2505697	-515.7207	-82.28708	-923.40572	-867.6172
## 40	700.80751	233.2539875	-317.2154	-381.70557	1359.52824	-872.2913
## 42	477.31253	-1045.2744537	-547.4198	-603.23307	-505.00165	-967.1358
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## 43 -112.07252 -253.1312742 -269.9741 1304.83106 -827.89306 -575.2505
## 44 427.96724 -1074.2245056 -374.2622 148.43685 596.13999 -524.2542
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## 70 614.80616 -0.7658752 -393.9232 922.59218 -14.24555 -382.6901
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## M64716_at M64788_at M64925_at M64929_at M64930_at M64934_at M64936_at
## 39 27142.49 -3208.5877 2430.3403 -809.6830 -850.4515 -200.301178 -620.8605
## 40 29311.40 -2935.9758 207.9186 249.3765 -952.9040 806.755600 -489.9569
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## 41 24841.17 -2037.0118 1262.6693 138.7013 -547.4157 -10.258321 -759.5703
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## 72 476.27527 -881.4353 -632.48326 -1114.2515 -1141.9129 937.29752

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## 39	-1088.6254	524.9491	-573.6549	1441.1676	-215.32115	-185.28120
## 40	-266.5446	862.0329	-614.3307	505.0339	-250.42207	-303.39612
## 42	-453.6534	-335.3292	-755.0453	-377.7473	-685.83676	-393.37504
## 47	-926.9533	1035.7962	-789.7133	-127.4760	-600.19143	-147.08168
## 48	-1425.9516	1171.8638	-992.6194	-152.0857	-596.30560	-380.72830
## 49	-767.1396	-1125.0446	-675.4810	522.6277	33.78186	57.78768
## 41	-700.8892	2212.8510	-529.3600	-529.3600	-648.97908	-179.53061
## 43	-636.3058	414.2661	-562.6184	424.7929	-411.03286	-213.12954
## 44	-617.4310	1796.0753	-585.6145	439.3303	-778.78589	-510.61853
## 45	-563.8468	-259.0856	-577.2921	193.5744	-147.04105	-525.75163
## 46	-468.0955	422.7363	-697.5521	438.4833	-508.58782	-461.34674
## 70	-793.8204	2304.2593	-551.1861	639.5189	-472.55466	-319.78496
## 72	-982.8602	1144.7575	-952.8937	-302.8523	-685.50082	-355.86991
## 68	-1190.9870	1619.1974	-955.3504	135.5597	-623.71375	-676.07744
##	M69023_at	M69039_at	M69043_at	M69066_at	M69177_at	M69225_at M69238_at
## 39	-391.269439	-148.8041	15002.060	6962.081	-449.2036	-710.9803 -779.6431
## 40	111.183363	3213.6198	4494.210	13029.941	-489.9569	-694.9434 -360.9766
## 42	-444.723284	1323.4422	21054.562	20775.496	-556.3499	-893.4623 -643.4187
## 47	388.807732	1397.4126	1822.203	8468.539	-968.3431	-656.8301 -443.3457
## 48	507.711479	2987.9392	7843.872	17821.399	-820.5931	-1201.6641 -994.7970
## 49	7.593695	1461.0370	12062.881	10635.625	332.7635	-898.0805 -616.5576
## 41	635.233325	1826.9102	5758.541	6688.410	-527.1030	-712.1741 -511.3043
## 43	68.987966	824.8102	1669.057	3353.341	-516.3006	-625.7790 -461.5614
## 44	491.600169	1321.1009	4430.024	5907.217	-144.7292	-694.6995 -660.6104
## 45	23.266666	1948.1920	9387.950	12834.441	-837.2355	-608.6646 -539.1970
## 46	-76.669405	1608.2623	8440.222	7898.074	-402.8578	-672.8068 -339.8697
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## 40	-563.65990	-1252.3225	-766.3432	-512.9891	221.737891	604.07230 113.4866
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## 47	-64.30201	-839.8168	-1101.2262	-798.4269	-698.219977	292.95759 1048.8666
## 48	-559.28727	-1471.6801	-1532.6514	-1044.8806	-696.472829	1696.65295 -489.6057
## 49	-697.30450	-1317.0912	-2246.7711	-1282.1736	46.875948	-171.35879 262.9283
## 41	-77.96724	-1118.4275	-852.1058	-655.7500	-793.424760	159.01396 -423.2827
## 43	-381.55790	-848.9466	-672.0968	-632.0951	-632.095086	18.45946 -360.5044
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## 45	-476.45203	-1263.0048	-512.3063	-541.4379	-489.897373	-225.47224 -393.5391
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## 70	-355.73077	-508.5005	-933.1104	-602.8582	-625.324364	-202.96107 -268.1129
## 72	-374.31080	-1349.3729	-1473.8489	-1222.5917	3.727454	123.59324 -438.8539
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## 40	-195.14481	3731.8441	-876.8977	-425.4667	-455.4086	-817.0140 -446.1957
## 42	-563.04749	1774.4138	-846.5791	-359.8871	-589.8379	-203.6098 -388.9100
## 47	-301.74895	1510.6900	-1151.3297	-306.1058	-613.2619	-881.2066 -197.1852
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## 43 -381.55790 -533.1434 -1465.8155 -752.1003 -1137.38017 2037.4944
## 44 -76.55102 -496.9829 -1374.2083 -465.1664 -981.04771 1957.4302
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## 46 -281.38073 -497.3399 -850.5232 -330.8714 -54.17365 1929.9515
## 70 -70.41089 -310.7985 -742.1483 -645.5439 -901.65780 1589.8363
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## 68 -65.16777 -828.8049 -2456.4427 -887.7140 -820.07758 2965.3805
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## 39 -689.523239 -211.02973 -1348.2565 -339.7724 5247.6585 22.85274 265.3181
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##		M77140_at	M77142_at	M77232_rna1_at	M77235_at	M77349_at	M77698_at	
##	39	-485.6807	-558.6349	21776.07	-938.4257	-391.26944	799.60005	
##	40	-542.9309	-250.4221	33155.47	-962.1168	-485.35044	380.66002	
##	42	-609.9307	-618.8608	22720.03	-1183.6915	-547.41977	-297.37616	
##	47	-314.8194	-264.7159	27823.73	-918.2396	-301.74895	887.66414	
##	48	-936.0032	-450.4099	39019.83	-1513.0535	-391.61604	3364.65508	
##	49	-513.9873	-485.6168	16759.29	-1127.2269	-66.60612	-359.04066	
##	41	-529.3600	-247.2395	32591.58	-976.2388	-278.83701	1310.06550	
##	43	-440.5078	-421.5596	22792.08	-676.3075	-320.50262	509.00706	
##	44	-2065.0802	-842.4188	15195.35	-933.3230	-487.89248	673.40855	
##	45	-2412.5819	-940.3165	29141.40	-722.9500	-68.60987	-52.92363	
##	46	-486.0921	-454.5980	22196.37	-780.7864	-324.12266	166.28470	
##	70	-348.9909	-548.9395	16970.15	-515.2403	-25.47862	-52.43798	
##	72	-796.1462	-475.7357	33243.43	-1188.0151	-438.85391	2732.97922	
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##	43	-600.5148	1138.50806	115.305765	2797.5274	-512.0899	115.30577	382.6858
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##	70	-575.8989	-32.21846	-5.259102	776.5623	-539.9531	-36.71169	378.9118
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##	48	-256.608036	-4984.066	-485.250627	-36.67564	-443.877206	-1983.4040	
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## 46	-486.092065	-2771.660	-609.818693	413.73796	87.549575	-693.0530
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## 72	-800.756385	-3502.347	-275.191012	1052.55309	29.083678	-1473.8489
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## 43	-537.35413	515.3231	-636.305795	-385.7686	-558.4077	1218.5115
## 44	-496.98290	307.5192	-203.816885	-646.9748	-756.0598	1187.0172
## 45	-180.65442	-660.2051	-261.326491	-646.7597	-774.4905	2925.2205
## 46	-506.33824	188.7805	-252.136259	-607.5691	-753.7915	1968.1943
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## 40	-600.5114	42442.05	-2249.6164	-188.23515	-876.8977	3252.7745
## 42	-739.4175	42031.43	-701.4645	-319.70148	-1746.2896	-254.9580
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## 49	-751.8632	36577.19	-1009.3802	-46.96499	-1602.9787	252.0166
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## 45	-624.3508	48462.37	579.0076	-335.27589	-931.3529	-864.1262
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## 48 1940.5384 -1110.20704 -1036.17039 568.68284 4102.844 -716.0708 1920.94044
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## 39 -638.02618 239.56953 -309.732429 89.36978 -189.5726 31.43559

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## 42	5283.95442	17.41089	-1281.922870	506.33545	-540.7222	-58.49521
## 47	16768.28939	138.29032	2013.903266	754.78099	480.3010	-59.94519
## 48	7064.30995	-334.99978	-411.213978	1901.34251	-600.6607	-644.21167
## 49	-324.12310	1725.10107	-1382.561573	1050.75573	-690.7575	25.05247
## 41	14955.66863	-86.99509	-712.174063	939.92344	-558.7005	-296.89272
## 43	56500.91029	155.30750	-606.830832	616.38014	-183.6546	104.77899
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## 45	5889.91931	570.04407	980.127123	1105.61702	-653.4824	-182.89531
## 46	5536.02036	742.17592	838.907643	269.76515	-398.3586	-324.12266
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## 39	291.06659	451.99490	612.923212	7165.9240	949.799806	-809.6830
## 40	-651.18223	-149.08042	-658.091893	606.3755	226.344329	-519.8987
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## 47	865.88001	-44.69630	929.053969	2279.6696	454.160100	-576.2289
## 48	-69.33887	414.07689	0.342684	18409.3375	-115.067385	-990.4419
## 49	2041.54143	-68.78846	116.711063	8416.1781	1332.278542	-612.1930
## 41	238.00770	-154.70400	926.381655	13788.8183	102.589869	-642.2082
## 43	54.25048	35.30229	1370.097054	7008.2364	854.285199	-718.4146
## 44	-231.08814	-481.07467	2893.743392	12138.6995	-60.642786	-878.7805
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## 46	-528.83399	101.04702	1219.085827	14777.2747	296.760055	-659.3093
## 70	-297.31883	140.77076	1751.592475	3526.4170	513.708564	-555.6794
## 72	946.51797	298.78170	271.120363	4775.3078	6.032565	-501.0919
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##	M92424_at	M92432_at	M92439_at	M92449_at	M92934_at	M93036_at
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## 40	-27.00980	-492.2601	-229.69310	1638.21778	-86.893499	-388.61523
## 42	-248.26045	-1587.7798	-158.95916	-31.70482	1200.652970	-163.42422
## 47	-201.54199	-1096.8694	114.32779	-493.44923	-347.495606	-517.41176
## 48	-389.43849	-1563.1371	35.18346	-237.01010	725.466327	-509.20366
## 49	223.64608	-2118.0126	-75.33550	2955.94498	-29.506210	-548.90488
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## 43	-253.13127	-1476.3422	-385.76861	-263.65805	2650.152597	-339.45081
## 44	-376.53485	-1492.3838	-708.33514	212.06978	2346.045647	-319.71973
## 45	-333.03500	-864.1262	-474.21114	-270.29006	171.165472	-48.44185
## 46	-432.10226	-855.0224	-150.90538	361.99773	530.715860	-396.10906
## 70	-43.45153	-715.1889	-281.59253	48.65962	486.749204	-313.04512
## 72	536.20816	-1243.3378	-300.54724	-141.49456	2052.971386	-339.73413
## 68	-562.62279	-1952.4423	-126.25874	94.10510	2.468652	-767.71389
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## 40	2124.19706	-236.60276	-540.6277	944.9488	742.265459	-142.170763
## 42	-362.11959	227.26892	-645.6512	-464.8161	-214.772464	-475.978735
## 47	987.87110	155.71762	-452.0594	-397.5991	114.327790	-31.625831
## 48	-191.28158	126.64050	-885.9195	-287.0937	-6.189961	-737.846250
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## 72	-3.187880	351.79926	-309.76768	2161.312	2290.3978	-44.679883
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## 39	-371.9580	-206.7383	-500.700689	-153.09554	-706.6889	-773.2060
## 40	-319.5187	-296.4865	378.356805	-600.51141	-1229.2903	-142.1708
## 42	-578.6752	-667.9765	-525.094444	-826.48630	-643.4187	-634.4885
## 47	-576.2289	-589.2994	-5.484884	-630.68920	-963.9863	-314.8194
## 48	-713.8932	-781.3972	-535.334242	-570.17502	-1306.1864	-1293.1211
## 49	-455.0639	-487.7992	153.810968	-158.26470	-1596.4316	-1742.6489
## 41	-621.8955	-484.2207	-323.976290	-509.04732	-1159.0529	301.2027
## 43	-446.8239	-457.3507	-1335.283493	-465.77208	-910.0019	-278.3955
## 44	-631.0666	-717.4256	-987.865525	-97.00446	-937.8682	-256.0868
## 45	-626.5917	-678.1322	-1009.784085	-111.18679	-1146.4784	-422.6706
## 46	-558.0785	-573.8255	-942.755801	-344.36884	-571.5759	-639.0632
## 70	-607.3515	-569.1590	-899.411183	-335.51125	-1186.9777	-160.2754
## 72	-466.5152	-401.9721	-584.075924	-842.24839	-964.4193	-365.0904
## 68	-763.3502	-710.9866	-761.168429	-427.34993	-1339.3508	419.1963
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## 40	1308.85741	-1155.5873	422.11797	-250.4221	371.44715	-925.2653
## 42	39.73621	-1360.0615	46.43381	-766.2079	526.42824	-1576.6171
## 47	1218.78280	-972.6999	35.90495	-811.4974	-210.25563	-1022.8034
## 48	-254.43049	-1399.8210	144.06088	-1001.3296	-792.28496	-1804.8450
## 49	-219.37043	-1851.7663	2676.60452	-472.5227	-450.69925	-2729.0699
## 41	921.86773	-926.5856	903.81202	-430.0536	-222.41292	-1213.2200
## 43	4138.63824	-1219.4890	-122.59929	-356.2936	-406.82215	-935.2661
## 44	162.07248	-890.1435	1573.36003	-399.2609	-315.17452	-924.2326
## 45	823.26475	-958.2436	2109.53619	-382.3346	756.03802	-1242.8367
## 46	-222.89178	-915.7609	496.97223	-537.8323	98.79745	-1104.7252
## 70	1030.42962	-1274.5956	1142.76028	-519.7335	-369.21045	-856.7255
## 72	-376.61591	-1556.8329	944.21286	-528.7533	-780.01038	-1591.4096
## 68	270.83254	-1564.0783	1132.65153	-822.2594	-163.34969	-1461.5327
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## 40	1769.5013	97.36405	-600.5114	-526.8084	2029.765	1861.6301
## 42	1073.3986	-507.23419	-915.7876	-429.0956	8844.843	760.8441
## 47	1364.7364	-123.11914	-818.0327	-493.4492	4133.498	1401.7694
## 48	1298.1616	-169.50610	-1088.4316	-735.6687	11249.558	2123.4525
## 49	2897.0216	708.12720	-559.8166	-470.3404	3110.892	1308.2727
## 41	1526.7340	64.22148	-955.9262	-752.7994	4514.954	551.7257
## 43	1431.1523	-67.86008	-632.0951	-848.9466	4376.543	2285.9263
## 44	2639.2117	112.07518	-658.3378	-660.6104	5468.605	1584.7231
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## 70	1789.7849	82.35882	-901.6578	-272.6061	3492.718	1075.3619
## 72	2603.8930	-63.12077	-819.1973	-567.9401	8899.152	1854.7318

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## 68 -390.2590 -955.3504 4713.0185 -468.8045 -996.8050 -872.44126 5980.65609
##      S76965_at      S76992_at      S77094_at      S77356_at      S77361_at      S77393_at      S77415_at
## 39 -258.23537 462.72346 -1238.8252 1316.71635 -444.9122 -893.3658 16.41561
## 40 -229.69310 855.12321 -503.7762 21685.43882 -418.5571 -503.7762 -492.26010
## 42 -621.09333 -701.46449 -1581.0822 2636.17119 -761.7429 -547.4198 -585.37281
## 47 -563.15842 -55.58837 -1055.4796 1854.87917 -567.5152 -748.3235 -77.37249
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## 44 -76.55102 -74.27841 -1281.0315 768.85795 -542.4350 -619.7036 -458.34862
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## 39 -717.4175 -163.8241 -496.4093 -226.049708 1316.716351 -86.578506
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## 42 -819.7887 -353.1895 -525.0944 2187.432216 -234.865254 -1232.807161
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## 46 -686.3042 -252.1363 -675.0564 -15.930878 -11.431728 -861.771099
## 70 -600.6116 -380.4435 -780.3407 -526.473380 235.128518 71.125749
## 72 -826.1126 -247.5297 -856.0791 -448.074358 434.783264 -40.069661
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## 39 -273.25535 -314.023850 333.98081 89.36978 -573.6549 93.6612
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## 42 155.82789 -230.400190 -49.56508 -605.46560 -679.1392 -585.3728
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## 42 -623.3259 -315.2364 151.362822 -580.9077 29082.75 -505.001654
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## 49 -280.4762 -557.6343 402.598567 -677.6634 26027.72 568.456966
## 41 -585.7841 -441.3384 -265.295231 -700.8892 22604.52 -360.087710
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## 44 -815.1476 -658.3378 -265.177214 -592.4323 22756.31 -147.001767
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## 49 -548.90488 -2255.5005 -411.4170 378.5927 -1127.2269 -740.9514 1181.6966
## 41 -732.48674 -1393.7771 -610.6107 -603.8398 -353.3168 -583.5271 1075.3413
## 43 35.30229 -1310.0192 -827.8931 -305.7651 -253.1313 -600.5148 1233.2490
## 44 -658.33784 -1078.7697 -612.8857 -612.8857 -340.1732 -319.7197 2186.9633
## 45 -34.99650 -1399.6991 -548.1605 -684.8549 -534.7152 -615.3873 906.1777
## 46 -346.61841 -850.5232 -463.5963 -513.0870 -315.1244 -697.5521 780.4187
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##	68	-726.25931	-1982.9878	-844.0776	-726.2593	-706.6229	-970.6232	1636.6520
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##	40	-1065.7617	-1570.1667	-655.78867	-215.8738	-287.273581	-591.2985	
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##	47	-234.2182	-1238.4662	-600.19143	-301.7489	404.056618	-822.3895	
##	48	-581.0628	-1537.0065	-1084.07646	-539.6893	172.369014	-1090.6091	
##	49	-110.2531	-2109.2832	99.25228	-326.3055	282.569462	-596.9165	
##	41	-579.0132	-1165.8238	-427.79662	-235.9547	-272.066122	-682.8335	
##	43	-107.8618	-1270.0175	-646.83257	-465.7721	50.039775	-1036.3232	
##	44	-296.9937	-1294.6672	-710.60775	-285.6307	-440.167780	-835.6010	
##	45	-729.6727	-1240.5959	-281.49451	-229.9540	352.677643	-554.8832	
##	46	-168.9020	-891.0156	-470.34504	-168.9020	98.797450	-785.2855	
##	70	-274.8527	-1052.1809	-310.79851	-310.7985	-7.505715	-313.0451	
##	72	-514.9226	-1287.1349	-805.36661	-125.3588	151.254576	-1065.8442	
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##	40	-252.72529	-789.3754	-294.1832	-846.9559	-671.9112	-266.5446	-1694.5406
##	42	-257.19058	2073.5731	-529.5595	-810.8586	-958.2057	-328.6316	-1415.8748
##	47	-325.71148	-780.9996	-338.7820	-580.5857	-338.7820	-251.6455	-772.2860
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##	49	29.41717	-1135.9563	-428.8758	-1120.6799	-673.2987	-243.3763	-1085.7623
##	41	-389.42824	-752.7994	-380.4004	-818.2514	-542.9018	-366.8586	-901.7590
##	43	-436.29712	-632.0951	-472.0881	-823.6823	-600.5148	-299.4491	-1992.1541
##	44	-651.52002	-728.7886	-617.4310	-703.7899	-571.9789	-276.5402	-465.1664
##	45	-236.67669	2306.7346	-458.5249	-608.6646	-649.0006	-359.9257	-866.3671
##	46	-213.89348	1529.5272	-567.0768	-785.2855	-585.0734	-616.5674	-938.2567
##	70	-515.24031	-854.4789	-472.5547	-495.0208	-647.7905	-286.0858	-856.7255
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##	42	-859.9743	1589.114	-902.3924	437.1269	-761.7429	-585.3728	-1480.6182
##	47	-785.3565	1497.620	-665.5438	2155.5001	-798.4269	-743.9666	-1229.7526
##	48	-992.6194	1502.851	-1112.3846	481.5809	-1149.4029	-894.6297	-2218.5792
##	49	-586.0048	4289.359	-1005.0155	825.9740	-987.5567	-295.7526	-2678.8759
##	41	-806.9665	1271.697	-838.5640	1346.1769	-590.2980	-583.5271	-1326.0682
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##	46	-657.0598	1419.298	-708.8000	771.4204	254.0181	-614.3178	-942.7558
##	70	-382.6901	1246.104	-481.5411	1104.5679	-456.8284	-508.5005	-982.5359
##	72	-814.5871	3553.599	-851.4688	2062.1918	-577.1606	-650.9242	-1582.1891
##	68	-974.9868	2625.017	-898.6231	2323.9254	-870.2594	-835.3503	-1790.9876
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##	40	-939.0847	-390.9185	-215.87378	-1542.5281	168.7638	-635.0597	
##	42	-1007.3214	-384.4449	334.43046	-2157.0755	-779.6031	-587.6053	
##	47	-839.8168	-580.5857	-223.32611	-1608.7963	-600.1914	-508.6981	
##	48	-1145.0478	-787.9299	266.00360	-1852.7511	-613.7260	-962.1337	
##	49	-712.5809	-520.5344	465.88664	-2517.3822	-411.4170	-304.4820	
##	41	-678.3196	-784.3969	-111.82169	-1125.1984	-610.6107	-590.2980	

## 43	-657.3593	-472.0881	407.95004	-1577.3993	-400.5061	-697.3611	
## 44	-749.2420	-496.9829	-217.45251	-1317.3932	-437.8952	-742.4242	
## 45	-664.6869	-433.8751	135.31122	-958.2436	-355.4439	-651.2415	
## 46	-668.3076	-551.3297	-141.90708	-987.7473	-513.0870	-722.2974	
## 70	-596.1184	-510.7471	-83.89057	-1198.2107	-250.1399	-659.0236	
## 72	-1058.9288	-680.8906	-367.39546	-2123.8903	-662.4497	-667.0599	
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## 40	-1966.3205	396.78256	-1084.1875	-185.93193	-678.82087	-1696.844	-275.7575
## 42	-1690.4763	-513.93178	-998.3913	229.50145	211.64119	-2241.912	-772.9055
## 47	-1164.4002	275.53030	-530.4822	-247.28864	-142.72485	-1443.237	-375.8150
## 48	-1317.0741	4087.60118	-1219.0845	-337.17733	-99.82455	-2131.477	-1234.3273
## 49	-1771.0194	-383.04648	-267.3821	-169.17644	1068.21451	-2759.623	-732.2221
## 41	-1102.6288	156.75700	-703.1462	-398.45609	-14.77225	-1664.613	-635.4373
## 43	-1213.1729	626.90691	-996.3214	35.30229	-284.71159	-1830.042	-768.9431
## 44	-1290.1220	1377.91602	-503.8007	-419.71434	34.80661	-2446.878	-599.2501
## 45	-1056.8428	-279.25362	-539.1970	-355.44391	-108.94590	-2694.934	-691.5776
## 46	-972.0003	2213.39800	-303.8765	-191.39773	11.06402	-1734.606	-686.3042
## 70	-1249.8829	-229.92043	-676.9965	-209.70091	147.51060	-2215.927	-488.2810
## 72	-1711.2753	-385.83635	-982.8602	254.98458	208.88236	-2156.162	-722.3826
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## 42	-643.418652	-650.1162	-491.6065	1060.00344	-105.37838	135.73510	
## 47	-434.632096	-589.2994	-458.5946	-68.65884	-238.57499	-86.08614	
## 48	-807.527801	-554.9322	-822.7706	1015.08027	-670.34225	-435.16701	
## 49	-638.381123	-398.3229	-280.4762	234.55782	904.53846	496.43950	
## 41	-572.242307	-265.2952	-554.1866	-646.72211	-249.49648	-145.67615	
## 43	-126.810003	-783.6806	-552.0916	-101.54575	-526.82736	-57.33330	
## 44	-578.796670	-742.4242	-390.1705	-26.55371	-353.80880	134.80122	
## 45	-261.326491	-906.7031	-333.0350	-702.78202	-57.40541	-73.09165	
## 46	-519.835690	-492.8408	-418.6048	-177.90028	-324.12266	-33.92748	
## 70	-50.191367	-432.1156	-533.2132	145.26399	336.22612	39.67316	
## 72	-224.478563	-833.0279	-219.8683	861.22885	-484.95614	86.71146	
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## 40	-858.4720	-1266.1418	-1323.7223	1170.6643	-1326.0255	-773.2529	1078.5355
## 42	-578.6752	-719.3247	-1085.4600	729.5887	-1351.1314	-788.5332	881.4009
## 47	-356.2093	-715.6473	-1109.9399	434.5544	-1077.2637	-617.6187	850.6311
## 48	-879.3869	-1232.1498	-1619.7534	368.3484	-1582.7351	-999.1521	472.8707
## 49	-282.6585	-1581.1552	-1581.1552	1343.1903	-1956.5189	-1002.8331	553.1805
## 41	-396.1991	-714.4310	-1050.7186	131.9304	-1127.4554	-707.6601	635.2333
## 43	-421.5596	-446.8239	-244.7099	363.7376	-1187.9087	-661.5700	429.0036
## 44	-494.7103	-906.0518	-883.3257	1914.2507	-933.3230	-808.3297	182.5259
## 45	-122.3912	-1128.5513	-843.9582	567.8032	-989.6161	-915.6667	-364.4075
## 46	-463.5963	-870.7694	-877.5181	816.4119	-1088.9782	-414.1057	618.4493
## 70	-268.1129	-344.4977	-762.3678	1075.3619	-1076.8936	-569.1590	547.4078
## 72	-752.3490	-1201.8457	-2285.2481	1190.8598	-1367.8138	-966.7244	2002.2589
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##	40	1324.9799	-1556.34743	-1383.6060	995.6196	189.49282	-651.1822	-427.7700
##	42	1533.3003	-259.42311	-1022.9491	-281.7484	-40.63495	-612.1632	-529.5595
##	47	1107.6838	-1059.83641	-702.5768	-434.6321	-279.96483	-508.6981	-325.7115
##	48	1380.9084	-1654.59416	-1630.6411	-646.3892	-367.66301	-731.3136	-894.6297
##	49	1650.9013	-1227.61491	-1077.0329	-215.0057	-171.35879	164.7227	-321.9408
##	41	1364.2326	-1109.39969	-913.0438	-398.4561	608.14976	-560.9575	-504.5334
##	43	1298.5150	-733.15210	-794.2074	-411.0329	-177.33851	-486.8256	-269.9741
##	44	1284.7392	552.96050	-665.1557	-792.4215	-199.27168	-285.6307	-444.7130
##	45	1473.1231	-938.07557	-933.5938	-743.1181	-34.99650	-292.6990	-433.8751
##	46	715.1810	-922.50963	-951.7541	-499.5895	137.04023	-308.3756	-308.3756
##	70	1122.5408	-915.13748	-690.4761	-317.5383	75.61898	-593.8718	-326.5248
##	72	769.0244	-321.29324	-1008.2164	-556.4146	-40.06966	-344.3444	-487.2612
##	68	508.6509	-1073.16872	-1241.1689	-743.7139	211.92339	-1153.8961	-564.8046
##		U01212_at	U01317_cds1_at	U01317_cds6_at	U01824_at	U01833_at	U01877_at	
##	39	3001.0993	-1670.1131	-365.5209	881.13706	-584.38341	-515.7207	
##	40	1479.2956	505.0339	-301.0929	1071.62582	-766.34320	-370.1895	
##	42	1124.7469	-1797.6378	4859.7733	-74.12293	-810.85857	-315.2364	
##	47	1987.7623	-1467.1995	271.1735	297.31442	-188.47151	-554.4448	
##	48	1160.9760	-2153.2528	-374.1957	-334.99978	-883.74200	-711.7157	
##	49	1426.1195	-1308.3618	-640.5635	-81.88255	-957.00384	-311.0290	
##	41	1140.7932	-1258.3593	-700.8892	-621.89551	-202.10024	-554.1866	
##	43	778.4924	-768.9431	3749.1477	-389.97932	-415.24357	-173.1278	
##	44	1012.0267	-1051.4985	-758.3324	-687.88170	21.17099	-637.8844	
##	45	1367.8013	-1007.5432	-819.3084	-1063.56547	-68.60987	-563.8468	
##	46	2076.1739	-1248.6980	-519.8357	-627.81529	-711.04957	-528.8340	
##	70	1490.9853	-1238.6498	-463.5682	-144.54912	-708.44906	-528.7200	
##	72	1545.8469	-1572.9687	-690.1110	-242.91945	-162.24056	-217.5632	
##	68	604.6510	-2377.8972	-1044.8051	-634.62286	-263.71342	-726.2593	
##		U01922_at	U01923_at	U02019_at	U02020_at	U02031_at	U02081_at	U02082_at
##	39	-1524.2047	-680.940396	-329.0438	-537.1778	-1088.6254	-97.30706	22.85274
##	40	-1519.4959	-54.648429	-462.3182	-337.9444	-1388.2124	622.49805	-621.24038
##	42	-1011.7865	175.920676	-875.6020	220.5713	-1226.1096	146.89776	-500.53659
##	47	-1650.1861	9.764002	-1160.0434	-227.6829	-218.9693	-393.24226	-131.83279
##	48	-1332.3170	1657.457076	-1251.7477	-522.2690	-1469.5025	-724.78096	-807.52780
##	49	-1347.6440	-53.512031	232.3755	-529.2638	-1707.7313	-673.29868	-197.54696
##	41	-1283.1859	-48.626706	-558.7005	-477.4498	-1233.5327	-551.92963	-682.83353
##	43	-636.3058	-158.390321	-975.2679	-118.3886	-1720.5634	-389.97932	-465.77208
##	44	-856.0544	-299.266285	-624.2488	-535.6172	-987.8655	-292.44847	-474.25685
##	45	-989.6161	798.614952	-653.4824	-223.2313	-427.1524	-438.35688	-346.48035
##	46	-810.0309	-317.373935	-747.0428	-441.1006	-519.8357	-499.58951	-515.33654
##	70	-908.3976	-261.373014	-805.0534	-281.5925	-964.5630	-521.98015	-317.53835
##	72	-1121.1669	-155.325225	-671.6702	457.8344	-657.8395	181.22102	-623.26282
##	68	-1420.0781	1294.106230	-1073.1687	-333.5317	-691.3502	-811.35029	-900.80492
##		U02310_at	U02493_at	U02556_at	U02570_at	U02609_at	U02619_at	U02632_at
##	39	-20.06147	8403.999	276.046617	155.88681	-1234.5338	810.3286	374.74931
##	40	90.45439	6986.293	171.067066	1718.83045	-1878.7981	926.5230	39.78356
##	42	-74.12293	17049.399	845.680345	-283.98096	-1802.1029	555.4512	-388.90998
##	47	-567.51524	5159.531	-55.588365	1094.61330	-600.1914	412.7703	-197.18516
##	48	-441.69966	23267.448	305.199471	1561.64494	-1702.5002	189.7894	-472.18534
##	49	326.21641	7680.727	7.593695	2480.19325	-2113.6479	1725.1011	356.76927
##	41	-486.47768	9893.299	-330.747181	976.03486	-1675.8976	481.7598	-373.62949
##	43	-472.08814	6856.651	-269.974110	-21.54228	-1432.1298	-162.6010	-406.82215
##	44	-112.91270	9518.386	309.791789	230.25062	-578.7967	1830.1644	-97.00446
##	45	-337.51679	11850.689	1031.667616	298.89626	-1144.2375	738.1109	-41.71917

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## 46 -330.87139 15537.631 384.493482 400.24051 -873.0190 467.7278 -321.87309
## 70 -362.47061 9643.945 293.540463 426.09065 -1040.9478 763.0826 -164.76864
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## 68 -601.89555 16128.302 1427.197264 1084.65149 -1110.2597 -407.7136 -501.53182
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## 39 -419.1637 -996.3599 -680.9404 3217.81611 -324.7524 544.26047 1093.56243
## 40 -469.2279 -759.4335 -1056.5488 1057.80651 -181.3255 -317.21543 306.95701
## 42 -460.3510 -931.4153 -661.2789 1153.76979 -529.5595 -384.44491 1959.71393
## 47 -471.6651 4381.8374 -643.7597 4224.99169 -412.8480 -210.25563 68.58113
## 48 -903.3399 2972.6964 -1391.1108 1108.71486 -964.3113 -777.04212 -809.70535
## 49 -601.2812 -913.3569 -983.1920 2914.48038 -1129.4093 70.88177 94.88759
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## 43 -400.5061 -360.5044 -522.6167 2538.56881 -219.4456 -314.18656 490.05887
## 44 -374.2622 -537.8898 -521.9816 4111.85954 -660.6104 364.33430 30.26140
## 45 -373.3710 2640.6274 -597.4601 126.34765 -566.0877 -308.38520 466.96308
## 46 -369.1142 760.1725 -675.0564 42.55807 -594.0717 -180.14986 319.25581
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## 39 -1172.3082 668.71169 177.34392 -4517.471 1353.193435 -629.44334
## 40 -918.3557 523.45962 39.78356 -2751.718 2032.068283 -20.10014
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## 39 213.82100 16.41561 -90.86993 -438.4751 -595.1120 301.79515 -908.3857
## 40 -43.13233 910.40047 938.03910 -485.3504 -635.0597 134.21556 -814.7108
## 42 -96.44826 -409.00277 -219.23753 -409.0028 -781.8357 1113.58421 -877.8345
## 47 31.54812 -656.83014 -375.81497 -462.9515 -247.2886 850.63113 -807.1406
## 48 -443.87721 -809.70535 821.27846 -755.2666 -983.9092 414.07689 -1108.0295
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## 39 -376.2495 -507.1378 -1290.3223 -577.9463 -762.47741 -170.2612272
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## 39 -625.1519 -97.30706 -90.86993 -288.2753 -552.1977 -1343.9650
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## 39 78.64122 -356.9381 -648.754734 -788.2259 1415.4190 -835.4316 554.9890
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## 42 -413.46783 -545.1872 -509.466718 -817.5562 225.0364 -788.5332 486.2427
## 47 -301.74895 -297.3921 88.186843 -613.2619 284.2439 -720.0041 421.4839
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## 39 27196.134 872.55422 -949.1542 3207.08756 -882.6372 1818.8127
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## 42 -2779.9520 -40.63495 180.385741 -500.5366 -2851.3930 -1277.4578
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## 68 -2814.2613 870.83310 -324.804382 -676.0774 -3970.6260 -1330.6235
## U08815_at U08989_at U08998_at U09002_at U09117_at U09196_at
## 39 -299.00387 -507.13782 -964.1742 110.82689 5.687058 1378.9420

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## 40	-252.72529	-172.11261	-1768.2436	-294.18324	3314.961450	774.5105
## 42	-241.56285	-145.56396	-1511.8737	70.99166	1071.166101	66.5266
## 47	508.62041	-251.64547	-105.6918	123.04144	974.800626	857.1664
## 48	187.61185	-929.47052	-827.1257	-626.79128	207.209789	1666.1673
## 49	-14.22978	-162.62940	-1821.2134	409.14561	839.068039	2355.7995
## 41	547.21174	-529.36000	-624.1525	-226.92685	515.614244	1046.0007
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## 44	-492.43769	-503.80071	-931.0504	-271.99503	125.710804	2577.8513
## 45	325.78695	-834.99459	-819.3084	-402.50262	1275.924735	1793.5706
## 46	-285.87988	-492.84079	-603.0700	-245.38753	442.982433	1862.4643
## 70	-90.63041	-50.19137	-616.3379	-274.85269	617.052774	2331.2187
## 72	-450.37947	-401.97213	-916.0119	-116.13833	61.355236	1008.7560
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## 40	-1443.4897	-844.6527	-199.7512	272.40872	353.02139	-314.912213
## 42	-453.6534	-810.8586	-636.7211	571.07888	-409.00277	-179.051948
## 47	-680.7927	-730.8962	-521.7686	-306.10577	-656.83014	-458.594630
## 48	-1552.2494	-1251.7477	-644.2117	-134.66532	-478.71798	-269.673327
## 49	-1142.5034	-616.5576	-300.1173	478.98072	18.50543	-337.217188
## 41	-1226.7618	-696.3753	-434.5675	-98.27991	-454.88019	-430.053588
## 43	-1183.6980	-522.6167	-339.4508	50.03978	-747.88958	-486.825625
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## 45	-801.3812	-1735.8328	-713.9865	413.18170	-864.12617	-841.717260
## 46	-1163.2142	-573.8255	-414.1057	233.77195	-567.07677	-567.076767
## 70	-885.9315	-569.1590	-510.7471	71.12575	-551.18613	-625.324364
## 72	-809.9768	-939.0631	-722.3826	153.55969	-374.31080	3.727454
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## 40	-665.0016	610.98196	461.2727	182.583162	-694.9434	53.602880
## 42	-828.7188	-47.33255	-589.8379	298.709949	-694.7669	-263.888173
## 47	-735.2530	-260.35912	-330.0683	-218.969283	-635.0460	-284.321651
## 48	-1049.2357	-517.91385	-607.1933	-119.422482	-755.2666	-60.628673
## 49	-795.5101	337.12815	116.7111	70.881769	-806.4219	402.598567
## 41	-615.1246	-258.52434	-470.6789	-77.967235	-687.3475	-477.449828
## 43	-516.3006	-537.35413	-194.1813	79.514739	-526.8274	-278.395528
## 44	-792.4215	-349.26359	-528.7994	9.807961	-640.1570	14.353171
## 45	-996.3387	-682.61400	-250.1220	-93.259666	-624.3508	-398.020842
## 46	-756.0411	-497.33994	-461.3467	-126.160056	-438.8510	-252.136259
## 70	-659.0236	-279.34592	-373.7037	-164.768644	-717.4355	-331.018026
## 72	-835.3331	107.45746	-372.0057	683.735283	-826.1126	-224.478563
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## 40	134.21556	-2938.2790	447.453385	-1086.49069	475.09202	-593.60175
## 42	-203.60980	-1927.1247	454.987205	-1043.04192	5576.41614	-420.16543
## 47	46.79701	-1388.7767	251.567761	-539.19588	462.87375	-214.61246
## 48	196.32205	-1998.6468	2169.180968	-1364.98021	2922.61274	-67.16132
## 49	310.93998	-799.8748	561.909924	-1279.99125	959.09714	-782.41605
## 41	-202.10024	-703.1462	409.536945	-725.71585	116.13165	-190.81543
## 43	-168.91709	-1259.4907	357.421534	24.77552	273.20735	-15.22621
## 44	84.80392	-976.5025	9.807961	-667.42825	21.17099	-194.72647
## 45	-256.84471	-1029.9521	-48.441846	-635.55529	2111.77708	-218.74956

## 46	-96.91558	-573.8255	355.249006	-675.05637	1477.78696	215.77535	
## 70	-74.90411	-575.8989	17.207031	-753.38132	-95.12363	-36.71169	
## 72	213.49258	-2059.3471	-132.274112	-862.99439	582.31039	70.57568	
## 68	37.37778	-2074.6242	397.378114	325.37805	227.19614	-235.34975	
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## 39	-13.62434	-464.2236	-97.30706	1539.8703	2269.412	1239.47076	173.052499
## 40	1034.77431	-720.2788	-195.14481	4180.9719	2734.550	1094.65802	1202.909325
## 42	-1884.70657	-683.6042	-362.11959	-516.1643	3480.068	1097.95649	-56.262676
## 47	-160.15215	-401.9559	-384.52861	-181.9363	3296.988	820.13336	133.933500
## 48	-385.08340	-875.0318	-456.94250	-1081.8989	5716.407	1078.22918	-1.834864
## 49	839.06804	-666.7516	-339.39953	2349.2524	3813.607	2244.49974	217.099042
## 41	244.77859	-585.7841	-389.42824	3138.2062	3587.342	276.37608	98.075941
## 43	-743.67888	-335.2401	-385.76861	-884.7376	2671.206	90.04151	-118.388585
## 44	805.21962	-485.6199	-283.35805	707.4976	4000.502	1166.56378	-353.808799
## 45	505.05823	-339.7577	-281.49451	-496.6200	3548.188	1163.88019	-212.026889
## 46	1124.60367	-580.5742	-456.84759	-128.4096	1477.787	526.21671	6.564873
## 70	655.24520	-614.0913	-348.99093	1315.7495	2295.273	194.68948	-196.221230
## 72	427.86793	-846.8586	-641.70371	2753.7252	3286.206	1112.48598	-226.783675
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## 39	653.6917	-751.7489	-2197.9579	23823.08	-60.829977	6610.185	-717.41748
## 40	-722.5820	-565.9631	-2786.2666	33261.42	9.841713	4164.849	-2277.25508
## 42	245.1292	845.6803	-3427.3863	38792.03	727.356137	5518.370	-154.49409
## 47	-123.1191	-543.5527	-1438.8801	35404.61	-101.335022	3268.669	-160.15215
## 48	-539.6893	-864.1441	-1611.0432	35814.48	298.666826	8342.531	-864.14406
## 49	959.0971	-566.3637	-4215.2484	34198.43	-359.040661	3909.631	-2144.20080
## 41	-102.7938	-511.3043	-1470.5139	22629.35	113.874688	5487.705	89.04809
## 43	-57.3333	-415.2436	-1091.0624	22251.00	3.721976	2963.850	-676.30753
## 44	371.1521	-701.5173	-703.7899	25028.91	-285.630657	6507.185	-1178.76432
## 45	207.0197	-440.5978	-1254.0412	31693.78	-306.144311	3014.856	-1368.32665
## 46	168.5343	-486.0921	-265.6337	18363.10	85.299999	3961.318	-204.89518
## 70	176.7166	-355.7308	-1676.7394	22701.26	324.993049	4705.889	-223.18059
## 72	455.5293	-743.1286	-1711.2753	34951.52	326.443034	6527.192	-685.50082
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## 40	-1441.186465	806.7556	-192.84159	-409.34421	-397.8281	-471.5311	940.34232
## 42	10.713291	874.7033	-16.07710	-612.16320	-699.2320	-710.3946	524.19570
## 47	5.407178	3148.8560	264.63823	-434.63210	-630.6892	-458.5946	260.28141
## 48	-729.136056	1905.6976	2095.14432	-818.41554	-759.6217	-1051.4132	1084.76183
## 49	-1000.650785	911.0855	1347.55497	-212.82339	-579.4577	-450.6993	1541.78389
## 41	70.992375	2176.7396	3084.03905	201.89628	-536.1309	-721.2019	319.25839
## 43	374.264370	450.0571	2292.24233	-440.50783	-606.8308	-558.4077	-425.77034
## 44	-1867.363564	2039.2440	855.21693	-399.26089	-481.0747	-485.6199	439.33026
## 45	-3667.480812	959.9591	6698.88096	-415.94797	-577.2921	-536.9561	-111.18679
## 46	-580.574217	2764.5439	130.29150	29.06062	-463.5963	-612.0683	-22.67960
## 70	-151.288964	1778.5518	4222.86707	-173.75510	-355.7308	-477.0479	-135.56267
## 72	-561.024811	2172.8372	778.24485	-574.85548	-473.4306	-657.8395	-372.00569
## 68	-673.895620	2771.1985	5692.65582	-926.98677	-870.2594	-1029.5323	-215.71337
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## 39	-573.6549	342.56365	-277.54677	-700.2518	580.73755	1928.2439	-453.49505
## 40	-890.7170	306.95701	829.78779	-1673.8116	-61.55809	2022.8554	380.66002
## 42	-739.4175	446.05708	-420.16543	-1036.3443	-578.67522	854.6105	-257.19058
## 47	-818.0327	242.85411	-996.66245	-852.8872	-181.93628	846.2743	-205.89881

## 48	-1105.8519	2075.54638	-1499.98822	-1334.4945	-753.08909	1221.9474	159.30372
## 49	-1026.8390	1746.92454	854.34447	-1133.7740	29.41717	3261.4736	49.05829
## 41	-727.9728	116.13165	-533.87392	-793.4248	-624.15247	247.0356	-310.43451
## 43	-686.8343	479.53210	-67.86008	-1248.9640	-324.71333	757.4389	-238.39379
## 44	-1081.0423	-28.82632	-131.09353	-724.2434	-776.51328	859.7621	-181.09084
## 45	-902.2213	1056.31742	-597.46014	-819.3084	-539.19698	294.4145	-541.43787
## 46	-657.0598	256.26770	-636.81359	-686.3042	-702.05127	553.2116	40.30850
## 70	-867.9586	277.81417	-450.08853	-760.1212	-465.81482	684.4512	-202.96107
## 72	-625.5679	407.12193	-247.52968	-936.7580	-284.41146	898.1106	-321.29324
## 68	-924.8049	1021.37870	-536.44094	-1400.4418	-974.98681	364.6508	-67.34960
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## 40	-439.2861	-98.4096	-1231.5935	95.06083	-84.590280	1529.966	
## 42	-614.3957	-451.4209	-699.2320	-817.55617	-114.308514	3895.319	
## 47	-356.2093	-504.3413	-844.1736	-192.82834	42.440186	2092.326	
## 48	-707.3606	-1145.0478	-1142.8703	-720.42586	-300.159006	2567.672	
## 49	-579.4577	-1107.5858	-610.0106	-271.74677	175.634442	3931.454	
## 41	-459.3941	-658.0069	-542.9018	159.01396	1.026498	2815.460	
## 43	-461.5614	-888.9483	-1021.5857	-339.45081	-61.544014	2113.287	
## 44	-444.7130	-403.8061	-883.3257	-610.61314	-110.640091	2457.403	
## 45	-588.4966	-781.2132	-1209.2234	-507.82450	79.288941	3660.233	
## 46	-519.8357	-425.3535	-814.5300	-567.07677	-346.618411	1781.480	
## 70	-389.4300	-501.7606	-915.1375	-555.67935	-70.410887	3463.512	
## 72	-586.3810	-964.4193	-890.6557	-835.33305	-53.900328	3111.017	
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## 39	-376.2495	16.41561	-438.475076	-438.4751	-35.08145	20980.0100	
## 40	-220.4802	578.73689	-1040.426302	-464.6215	235.55721	3519.9480	
## 42	-232.6327	961.77202	-1344.433773	-630.0235	-853.27668	2913.0052	
## 47	-543.5527	218.89158	-674.257442	-489.0924	168.78810	1717.6392	
## 48	-903.3399	-267.49578	-975.199034	-1036.1704	-639.85657	4769.1739	
## 49	-551.0872	1498.13694	-767.139617	-553.2696	-1701.18429	3388.0498	
## 41	-466.1650	-536.13089	-621.895511	-497.7625	-628.66640	163.5279	
## 43	-501.5631	10.03804	-339.450809	-512.0899	-697.36108	1622.7396	
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## 45	-451.8022	-324.07144	-702.782018	-465.2476	-97.74145	3404.7712	
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## 72	-367.3955	704.48128	-540.278809	-570.2453	19.86323	5213.2790	
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## 39	22368.28	19233.40	-659.48329	-633.7348	-522.15780	-133.78414	
## 40	27360.57	24244.32	350.71817	-600.5114	-540.62771	-188.23515	
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## 47	37463.21	31731.80	-471.66510	-798.4269	-909.52596	-493.44923	
## 48	45025.51	29377.65	-594.12805	-1186.4212	-308.86920	-735.66870	
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## 41	35189.35	28578.70	-308.17754	-655.7500	-608.35373	-355.57378	
## 43	26937.52	25124.81	-642.62186	-501.5631	-773.15384	-133.12607	
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## 70	39804.73	28978.30	-133.31606	-434.3622	-56.93121	-90.63041	
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## 39 27251.92 45614.92 37021.34 27123.18 21424.17 61261.44 8408.291
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## 39 42.16414 4247.757 -522.15780 -2032.7382 898.3027 -648.75473 -90.869928
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##	45	803.0967	-198.5815	-209.7860	-1359.363	-1254.0412	-19.31026
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##	45	-330.7941	-982.8934	-285.97629	518.503577	-626.59172	-144.80016
##	46	-441.1006	-679.5555	-337.62011	6.564873	-198.14646	-308.37564
##	70	-571.4056	-600.6116	-389.42997	214.908999	-223.18059	10.46719
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## 72	-464.210137	-805.36661	-1065.8442	-365.0904	-187.5968	-1155.7435	-865.2995
## 68	-1055.714160	-796.07755	2219.1980	-785.1685	-521.1682	-985.8959	-961.8959
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## 40	-612.0275	-542.9309	-789.3754	-220.48022	-411.6474	-922.9621	134.21556
## 42	-634.4885	-806.3935	-634.4885	-444.72328	-674.6741	-1141.2733	-339.79427
## 47	-807.1406	-661.1870	-356.2093	-693.86315	-617.6187	-972.6999	-425.91845
## 48	-1016.5725	-1108.0295	-970.8439	-700.82793	-933.8256	-1264.8130	-1456.43725
## 49	-784.5984	-788.9631	-1308.3618	230.19313	-343.7642	-1319.2735	1181.69657
## 41	-682.8335	-737.0007	-964.9540	-265.29523	-493.2486	-727.9728	-35.08492
## 43	-571.0398	-726.8360	-657.3593	10.03804	-895.2644	-657.3593	464.79461
## 44	-683.3365	-528.7994	-785.6037	-153.81958	-558.3432	-1140.1300	-465.16643
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## 68	-961.8959	-1040.4414	-785.1685	-610.62283	-900.8049	-1302.2598	-569.16825
##	U17418_at	U17566_at	U17579_rna1_at	U17714_at	U17760_rna1_at	U17886_at	
## 39	-805.3916	-588.6748	130.13828	-397.7066	-989.9227	-633.7348	
## 40	-347.1573	-1259.2321	650.13669	-453.1054	-1121.0390	-135.2611	
## 42	-605.4656	-1965.0777	17.41089	-491.6065	-1063.1347	-321.9340	
## 47	218.8916	-1014.0898	-706.93363	-301.7489	-876.8498	-105.6918	
## 48	-380.7283	-1545.7167	-154.26326	-330.6447	-1275.7007	827.8111	
## 49	511.7159	-3366.3153	980.92062	121.0758	-900.2628	-206.2763	
## 41	-764.0842	-971.7249	-328.49022	-348.8029	-806.9665	414.0509	
## 43	389.0019	-1992.1541	-93.12433	-465.7721	-1025.7964	530.0606	
## 44	-396.9883	-1165.1287	-228.81554	-144.7292	-781.0585	266.6123	
## 45	341.4732	-153.7637	-153.76372	-216.5087	-839.4764	285.4509	
## 46	-353.3671	-40.6762	-418.60481	-191.3977	-738.0445	-146.4062	
## 70	-519.7335	-495.0208	-470.30805	-247.8933	-721.9287	356.4456	
## 72	-219.8683	-2183.8232	95.93191	-376.6159	-920.6222	-549.4993	
## 68	220.6507	-2465.1700	-686.98654	-300.8044	-1315.3508	231.5598	
##	U17894_at	U17977_at	U17989_at	U18004_at	U18009_at	U18018_at	U18062_at
## 39	1793.0641	-1140.1225	-558.6349	-747.4574	-86.57851	316.815122	634.3803
## 40	1629.0049	-1572.4700	-319.5187	-692.6402	839.00067	-515.292294	329.9892
## 42	1435.0689	-1313.1783	-413.4678	-862.2068	334.43046	-1136.808275	466.1499
## 47	920.3403	-706.9336	-227.6829	-794.0701	-147.08168	-334.425132	580.5080
## 48	1570.3551	-1739.5186	-567.9975	-1234.3273	773.37239	-639.856569	2916.0801
## 49	5452.5504	-723.4927	-520.5344	-804.2395	402.59857	217.099042	188.7285
## 41	594.6080	-1238.0466	-603.8398	-818.2514	91.30505	-211.128100	452.4193
## 43	1340.6221	-1082.6410	-253.1313	-541.5648	-72.07079	681.646129	313.2091
## 44	777.9484	-619.7036	-346.9910	-940.1408	-174.27302	377.969931	564.3235
## 45	684.3295	-931.3529	-463.0067	-1119.5877	200.29705	-196.340652	704.4975
## 46	708.4323	-767.2889	-443.3501	-697.5521	-344.36884	209.026627	13.3136
## 70	861.9336	-1108.3462	-306.3053	-555.6794	-63.67105	5.973965	-115.3432
## 72	1375.2687	-1091.2004	-657.8395	-814.5871	517.76727	-916.011949	1635.7462
## 68	255.5598	-1369.8963	-817.8958	-974.9868	689.74203	-1452.805442	2217.0162
##	U18235_at	U18237_at	U18242_at	U18244_at	U18271_cds1_at	U18288_at	
## 39	-1461.9791	-211.0297	121.55544	-989.92275	518.5119	5.687058	
## 40	-1701.4502	-665.0016	339.20208	-948.29753	-434.6796	-559.053462	
## 42	-1851.2186	-417.9329	492.94025	-2134.75018	-489.3739	-467.048606	
## 47	-1138.2593	-197.1852	179.68016	-1358.27889	-188.4715	-434.632096	

## 48	-1911.5449	-753.0891	274.71379	-1624.10848	-1016.5725	-824.948189	
## 49	-2517.3822	-773.6867	-149.53531	-2172.57132	-769.3220	-348.128924	
## 41	-1427.6316	-299.1497	208.66717	-888.21724	-380.4004	-536.130887	
## 43	-1602.6635	-339.4508	43.72371	24.77552	-278.3955	-101.545749	
## 44	-1135.5848	-349.2636	-433.34997	-1544.65369	-194.7265	-562.888436	
## 45	-958.2436	-496.6200	892.73237	-792.41766	-223.2313	-82.055211	
## 46	-1030.4892	-531.0836	62.80425	-733.54532	-621.0666	-405.107363	
## 70	-975.7960	-380.4435	340.71934	-299.56544	-297.3188	-434.362236	
## 72	-1436.9671	-676.2804	409.42704	-1224.89686	-706.2468	-687.805932	
## 68	-2338.6245	-593.1683	870.83310	-1900.07859	-686.9865	-652.077417	
##	U18291_at	U18300_at	U18321_at	U18467_at	U18543_at	U18548_at	U18549_at
## 39	-427.746522	675.14882	-397.70657	-232.4868	-138.07557	1198.70226	-329.0438
## 40	389.872902	394.47934	509.64031	-174.4158	-296.48646	795.23950	-439.2861
## 42	-371.049720	151.36282	-949.27557	-491.6065	-435.79315	-20.54216	-453.6534
## 47	-123.119145	-136.18962	-484.73558	-293.0353	160.07445	600.11372	-563.1584
## 48	-448.232303	1019.43537	-807.52780	-703.0055	-389.43849	1546.40210	-720.4259
## 49	-428.875777	350.22223	29.41717	-243.3763	-304.48198	2757.35137	-601.2812
## 41	-5.744394	441.13444	-186.30150	-421.0257	-328.49022	-265.29523	-662.5209
## 43	-284.711592	450.05713	-472.08814	-101.5457	-36.27976	666.90865	-349.9776
## 44	-167.455209	687.04418	-517.43634	-531.0720	-290.17587	139.34643	-460.6212
## 45	-281.494510	713.46109	-297.18075	-205.3042	-362.16659	182.36993	-364.4075
## 46	-443.350139	526.21671	-301.62691	-567.0768	-535.58272	825.41019	-402.8578
## 70	-43.451527	-14.24555	-508.50047	-445.5953	-209.70091	868.67346	-443.3487
## 72	-611.737259	176.61080	-355.86991	-482.6510	-95.39233	1969.98738	-374.3108
## 68	609.014677	89.74146	-228.80429	-830.9867	-556.07733	-440.44085	-931.3504
##	U18671_rna1_at	U18914_at	U18919_at	U18932_at	U18937_at	U18985_at	
## 39	-648.75473	-412.7265	-867.6172	-1073.6055	-75.849952	-573.6549	
## 40	-688.03374	-503.7762	-206.6609	-1123.3422	917.310128	-556.7502	
## 42	-982.76355	-288.4460	-1031.8793	-1192.6216	-464.816074	-737.1850	
## 47	-14.19853	-351.8524	-580.5857	-247.2886	-5.484884	-497.8061	
## 48	-541.86689	-766.1544	-896.8073	-1108.0295	-228.299906	-951.2460	
## 49	-407.05230	-230.2822	-1055.2095	-782.4160	136.352189	-677.6634	
## 41	-373.62949	-565.4714	-411.9979	-964.9540	-172.759715	-542.9018	
## 43	-51.01724	-364.7151	-385.7686	-752.1003	-227.867020	-446.8239	
## 44	-446.98559	-665.1557	-249.2690	-724.2434	-83.368834	-646.9748	
## 45	-402.50262	-261.3265	-566.0877	-747.5998	-395.779951	-575.0512	
## 46	47.05722	-609.8187	292.2609	-850.5232	-99.165155	-603.0700	
## 70	-375.95029	-528.7200	-528.7200	-659.0236	-83.890566	-490.5276	
## 72	-496.48170	-468.8204	-1183.4049	-1063.5391	-109.222999	-759.2644	
## 68	-741.53205	-647.7138	-512.4409	-979.3505	-313.895281	-972.8050	
##	U18991_at	U19107_rna1_at	U19142_at	U19180_at	U19261_at	U19345_at	
## 39	-515.7207	-659.4833	-371.95804	-474.9522	1855.289760	192.36390	
## 40	-833.1366	-425.4667	37.48034	-676.5176	723.839705	-50.04199	
## 42	-857.7417	-781.8357	-509.46672	-513.9318	1428.371258	-185.74954	
## 47	-563.1584	-288.6785	-661.18697	-293.0353	983.514275	-155.79533	
## 48	-1051.4132	-1073.1887	-744.37890	-975.1990	355.283086	-570.17502	
## 49	-703.8515	-596.9165	-586.00479	-876.2570	1251.531690	-97.15898	
## 41	-795.6817	-590.2980	-567.72838	-768.5982	802.248646	-402.97002	
## 43	-611.0415	-248.9206	-238.39379	-707.8878	433.214297	-194.18135	
## 44	-771.9681	-542.4350	-644.70221	-612.8857	-133.366138	-215.17991	
## 45	-696.0593	-651.2415	-534.71519	-516.7881	-26.032936	86.01161	
## 46	-702.0513	-555.8289	-506.33824	-555.8289	728.678465	-324.12266	
## 70	-627.5710	-490.5276	-331.01803	-483.7877	-7.505715	-83.89057	
## 72	-925.2324	-715.4673	-540.27881	-715.4673	630.717723	-309.76768	

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## 39 -309.7324 -614.4234 -751.7489 -989.9227 1473.35324 -419.1637 -511.4292
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## 47 -297.3921 -785.3565 -425.9184 -693.8632 1793.88363 -665.5438 -421.5616
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##      U19948_at U19977_at U20158_at U20230_at U20240_at U20285_at U20325_at
## 39 312.52370 462.72346 -163.82409 -1446.9591 -511.4292 1928.2439 436.9749
## 40 339.20208 454.36304 -56.95165 -1572.4700 -612.0275 1746.4691 894.2779
## 42 -127.70371 -13.84456 -219.23753 -1773.0800 -522.8619 687.1706 -239.3303
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## 43 -314.18656 75.30403 176.36105 -981.5839 -606.8308 226.8896 -234.1831
## 44 -144.72916 -144.72916 -81.09623 -994.6833 -319.7197 1741.5328 182.5259
## 45 -97.74145 56.88003 -104.46412 -1433.3125 -431.6342 1511.2183 -34.9965
## 46 -344.36884 -60.92238 -128.40963 -987.7473 -607.5691 2391.1144 114.5445
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## 72 -309.76768 144.33924 -247.52968 -1404.6955 -376.6159 1442.1169 169.6955
## 68 -241.89521 -547.35005 486.83274 -2257.8971 -604.0774 1721.7430 -658.6229
##      U20350_at U20362_at U20391_rna6_at U20428_at U20530_at U20582_at
## 39 -479.24358 -897.6572 -2073.5067 529.240491 -809.6830 -215.3212
## 40 300.04735 -757.1303 -750.2207 364.537489 -607.4211 233.2540
## 42 -464.81607 -915.7876 -3708.6854 178.153209 -645.6512 -321.9340
## 47 -493.44923 -1133.9024 -1682.8623 1.050353 -580.5857 -347.4956
## 48 -437.34456 -1075.3663 -4304.6707 -82.404158 -892.4522 -450.4099
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## 43 14.24875 -547.8809 -2236.3752 389.001852 -208.9188 -244.7099
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## 45 -465.24757 -850.6808 -2150.3976 -70.850756 -893.2578 -463.0067
## 46 -317.37394 -796.5334 -693.0530 -177.900282 -607.5691 -198.1465
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## 39 -236.77826 -659.4833 -56.53856 -438.4751 -762.4774 1591.3673
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## 47 -406.31274 -480.3788 -168.86580 -430.2753 -576.2289 667.6445
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## 49 -1068.30355 -383.0465 46.87595 -601.2812 -778.0514 1585.4308
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## 43	-244.70986	-592.0934	378.47508	-476.2989	-726.8360	1648.0038
## 44	57.53266	-644.7022	198.43416	-787.8763	-617.4310	643.8647
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## 46	-220.64221	-688.5538	69.55297	-693.0530	-668.3076	1027.8719
## 70	316.00660	-411.8961	-95.12363	-645.5439	-593.8718	572.1205
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## 40	-384.00879	-1482.6444	1258.1866	-105.3193	-612.0275	-542.93093
## 42	120.10737	-806.3935	934.9816	100.0146	-529.5595	452.75467
## 47	-64.30201	-872.4930	3292.6313	-563.1584	-321.3547	51.15383
## 48	224.63018	-992.6194	4703.8474	-1073.1887	-1068.8336	-182.57139
## 49	245.46956	-1578.9728	769.2329	-767.1396	-575.0930	-1810.30165
## 41	845.13096	-894.9881	3400.0140	-610.6107	-795.6817	739.05366
## 43	-118.38859	-1183.6980	2144.8675	-436.2971	-541.5648	-314.18656
## 44	350.69867	-933.3230	3875.5086	-653.7926	-396.9883	362.06170
## 45	726.90644	-1343.6768	1087.6899	-767.7679	110.6614	879.28703
## 46	-636.81359	-989.9969	357.4986	-425.3535	-468.0955	204.52748
## 70	-526.47338	-906.1510	628.2858	-362.4706	-373.7037	-582.63871
## 72	-180.68145	-1314.7962	1117.0962	-888.3506	-567.9401	-731.60305
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## 39	-552.1977	-258.2354	67.912671	121.55544	-558.6349	-706.68893
## 40	-519.8987	67.4222	134.215556	1145.32884	-326.4283	-409.34421
## 42	-643.4187	-654.5813	486.242656	-395.60757	-580.9077	-565.28002
## 47	-493.4492	-136.1896	-9.841708	188.39381	-739.6098	-563.15842
## 48	-1020.9276	-877.2094	-176.038743	-165.15100	-816.2380	-1033.99284
## 49	-590.3695	-158.2647	-31.688557	2120.10594	-273.9291	-68.78846
## 41	-608.3537	-285.6079	-80.224199	538.18388	-678.3196	-579.01320
## 43	-600.5148	-356.2936	18.459458	-855.26266	-547.8809	-371.03113
## 44	-556.0706	-201.5443	139.346432	900.66902	-417.4417	-399.26089
## 45	-510.0654	-375.6119	417.663482	233.91042	-377.8528	-160.48640
## 46	-585.0734	-609.8187	-112.662605	-33.92748	-454.5980	-450.09886
## 70	-542.1997	-286.0858	-5.259102	259.84126	-317.5383	-407.40288
## 72	-752.3490	-512.6175	805.906181	427.86793	-551.8044	-763.87460
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## 47	-550.0879	-371.45814	-480.3788	-656.8301	-576.2289	408.41344
## 48	-888.0971	-528.80160	-1053.5908	-550.5771	-1171.1784	2811.55777
## 49	-505.2579	-289.20555	-782.4160	-112.4354	-1282.1736	965.64419
## 41	-653.4930	-303.66362	-658.0069	-707.6601	-969.4679	445.64837
## 43	-541.5648	-187.86528	-571.0398	-880.5269	-701.5718	-11.01551
## 44	-674.2461	-583.34188	-867.4175	-626.5214	-717.4256	246.15886
## 45	-438.3569	-675.89133	-971.6889	-364.4075	-875.3306	231.66953
## 46	-571.5759	-366.86459	-353.3671	-600.8204	-441.1006	269.76515
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## 72	-782.3155	40.60923	-372.0057	-355.8699	-1275.6093	254.98458
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						-20.06147

## 40	-86.89350	-503.7762	39.783564	-844.6527	380.6600	-485.3504	1143.02562
## 42	-335.32920	-788.5332	100.014580	-699.2320	-603.2331	-384.4449	-513.93178
## 47	-338.78196	-776.6428	-59.945190	-772.2860	937.7676	-434.6321	147.00397
## 48	-635.50147	-1282.2334	-324.112039	-1075.3663	442.3850	-892.4522	-334.99978
## 49	-88.42959	-908.9922	256.381294	-961.3685	-754.0455	-256.4703	-402.68761
## 41	-141.16222	-752.7994	228.979841	-682.8335	-402.9700	-486.4777	416.30784
## 43	18.45946	-600.5148	60.566548	-651.0433	374.2644	-562.6184	-82.59756
## 44	-599.25011	-562.8884	148.436851	-785.6037	775.6758	-474.2569	-12.91809
## 45	-247.88115	-772.2496	-207.545107	-749.8407	-395.7800	-449.5613	245.11487
## 46	-69.92068	-600.8204	-9.182153	-490.5912	1695.9957	-508.5878	310.25750
## 70	44.16639	-746.6415	302.526916	-589.3786	-319.7850	-501.7606	-405.15626
## 72	-224.47856	-754.6542	-263.665455	-782.3155	1983.8180	-252.1399	243.45903
## 68	-209.16791	-1049.1687	-318.258922	-1007.7141	-479.7136	-704.4411	-76.07688
##	U24105_at	U24152_at	U24166_at	U24169_at	U24186_at	U24266_at	
## 39	4031.0405	881.1370606	2207.1863	-1007.08844	-423.45510	-382.68660	
## 40	4865.0281	2329.1835769	1101.5677	-1174.01302	-294.18324	-324.12509	
## 42	4225.7341	1.7831624	2645.1013	-1121.18055	-822.02123	-337.56174	
## 47	2649.9996	741.7105159	2403.8391	77.29478	-613.26190	-467.30828	
## 48	3325.4592	292.1341801	3281.9082	-912.05013	-848.90122	-729.13606	
## 49	8226.3138	2244.4997381	4747.6522	-1432.75556	40.32891	-88.42959	
## 41	1996.1825	116.1316513	2009.7243	228.97984	-434.56752	-215.64203	
## 43	1622.7396	125.8325379	414.2661	-611.04154	-335.24010	-356.29365	
## 44	2593.7596	141.6190369	805.2196	-674.24607	-458.34862	-158.36479	
## 45	2429.9836	937.5501940	2138.6678	-299.42164	-527.99252	-279.25362	
## 46	2184.1535	-0.1838526	386.7431	-198.14646	-418.60481	-112.66261	
## 70	673.2181	210.4157722	1309.0097	-818.53311	-600.61162	-317.53835	
## 72	3719.5668	796.6857360	6165.2899	-994.38573	-786.92572	-291.32679	
## 68	5341.3828	681.0147445	6072.2925	805.37850	-682.62290	393.01447	
##	U24576_at	U24577_at	U24704_at	U25029_at	U25041_at	U25128_at	U25138_at
## 39	-846.16013	-768.9145	140.86684	-552.19775	-1047.8569	-547.9063	-185.2812
## 40	-777.85930	-621.2404	-56.95165	-213.57056	-1056.5488	-411.6474	-2678.0152
## 42	-652.34878	-842.1140	419.26669	-518.39685	-1266.2951	-516.1643	-1302.0157
## 47	-197.18516	-730.8962	225.42681	-539.19588	-863.7793	-306.1058	-848.5304
## 48	-554.93218	-1057.9459	207.20979	-291.44881	-1271.3456	-938.1807	-1308.3640
## 49	-1024.65661	-782.4160	-836.97473	-559.81662	-1341.0970	-544.5402	-898.0805
## 41	-342.03200	-739.2576	434.36355	-55.39760	-646.7221	-592.5550	-919.8147
## 43	-501.56311	-737.3628	677.43542	-107.86181	-888.9483	-491.0363	-1941.6256
## 44	-76.55102	-862.8723	1314.28309	-446.98559	-821.9654	-471.9842	-494.7103
## 45	-657.96420	-868.6080	-55.16452	-272.53095	-1088.2153	-566.0877	-792.4177
## 46	-405.10736	-726.7966	245.01983	-198.14646	-704.3008	-585.0734	-789.7847
## 70	-602.85823	-521.9802	641.76552	-366.96384	-861.2188	-515.2403	801.2751
## 72	-143.79967	-796.1462	-58.51055	-60.81566	-989.7755	-595.6015	-298.2421
## 68	-782.98663	-1020.8050	883.92403	-508.07728	-1269.5325	-861.5322	-1450.6236
##	U25165_at	U25182_at	U25265_at	U25433_at	U25435_at	U25750_at	U25789_at
## 39	-28.64431	-361.22949	436.97493	-648.7547	-71.55853	499.200540	6185.334
## 40	58.20932	-333.33797	438.24051	-289.5768	-162.89974	76.635073	10395.058
## 42	35.27115	575.54395	91.08445	-379.9798	-259.42311	256.291837	16899.820
## 47	770.02988	-160.15215	754.78099	-589.2994	77.29478	164.431271	16672.439
## 48	1520.27152	11.23043	50.42630	-868.4992	250.76076	211.564886	21494.924
## 49	-516.16967	-221.55278	1295.17864	-898.0805	-140.80593	1214.431785	11728.981
## 41	1091.14001	-567.72838	14.56828	-511.3043	156.75700	-215.642027	15513.139
## 43	353.21083	-411.03286	-101.54575	-537.3541	50.03978	-345.766873	15115.957
## 44	448.42068	-394.71568	-74.27841	-510.6185	-56.09758	-133.366138	13877.242
## 45	269.76468	296.65537	-339.75768	-510.0654	-301.66253	-64.128083	14282.056

##	46	186.53088	-301.62691	-252.13626	-578.3246	-191.39773	6.564873	11609.873
##	70	432.83049	-306.30528	-288.33237	-535.4598	-209.70091	102.578335	17039.796
##	72	287.25614	-353.56480	660.68417	-883.7404	160.47502	716.006841	16674.292
##	68	1627.92473	323.19623	-23.71319	-824.4412	157.37789	-78.258696	21074.488
##		U25801_at	U25826_at	U25849_at	U25956_at	U25997_at	U26032_at	U26174_at
##	39	-159.5327	-912.6772	-232.48684	-474.9522	-1088.6254	-659.4833	-356.9381
##	40	-185.9319	-1077.2778	-93.80316	-916.0525	-872.2913	-409.3442	-533.7180
##	42	-757.2778	-1110.0179	1363.62782	-643.4187	-763.9754	-618.8608	-786.3007
##	47	-558.8016	-831.1031	251.56776	-818.0327	-835.4599	-306.1058	-242.9318
##	48	-716.0708	-1190.7763	1241.54532	-794.4625	-1380.2231	-668.1647	-986.0868
##	49	-961.3685	-581.6401	-740.95145	-884.9864	-688.5751	-446.3346	-828.2453
##	41	-323.9763	-874.6755	1319.09336	-849.8489	-678.3196	-402.9700	-662.5209
##	43	-411.0329	-1263.7014	281.62877	-461.5614	-701.5718	-436.2971	-461.5614
##	44	-610.6131	-799.2393	1221.10629	-646.9748	-933.3230	-501.5281	-537.8898
##	45	-622.1099	-572.8103	-19.31026	-767.7679	-933.5938	-469.7294	-550.4014
##	46	-486.0921	-594.0717	735.42719	-564.8272	-663.8085	-441.1006	-551.3297
##	70	-521.9802	-526.4734	158.74367	-665.7634	-771.3542	-438.8555	-564.6658
##	72	-623.2628	-761.5695	1100.96043	-206.0377	-1077.3697	-657.8395	-726.9928
##	68	-1123.3506	-1027.3505	735.56025	-508.0773	-1049.1687	-425.1681	-972.8050
##		U26398_at	U26403_at	U26591_at	U26648_at	U26710_at	U26712_at	U26726_at
##	39	-401.9980	-813.9745	-1451.2506	327.54368	-329.04383	-625.1519	-1989.8240
##	40	-413.9506	-370.1895	-1625.4440	157.24775	293.13769	-559.0535	-1054.2456
##	42	-371.0497	-851.0441	-980.5310	-158.95916	-500.53659	-746.1151	-1610.1051
##	47	-310.4626	-177.5795	-680.7927	874.59366	205.82110	-393.2423	-1343.0300
##	48	-740.0238	-859.7890	-1036.1704	786.43768	-661.63205	-1060.1234	-1885.4143
##	49	-747.4985	-684.2104	-2296.9651	823.79161	68.69942	-623.1047	-1633.5315
##	41	-477.4498	-452.6232	-497.7625	709.71313	34.88095	-687.3475	-971.7249
##	43	-611.0415	-371.0311	-827.8931	323.73586	-107.86181	-636.3058	-1461.6048
##	44	-396.9883	-315.1745	-878.7805	959.75675	-237.90596	-787.8763	-953.7765
##	45	-550.4014	-229.9540	-729.6727	682.08862	-234.43580	-615.3873	-1195.7780
##	46	-432.1023	-411.8561	-897.7643	467.72776	-373.61331	-501.8391	-774.0377
##	70	-1013.9885	-647.7905	-304.0587	-20.98539	62.13930	-515.2403	-933.1104
##	72	-697.0264	-496.4817	-1201.8457	206.57725	-348.95457	-777.7053	-1757.3776
##	68	-593.1683	-868.0776	-1271.7144	-121.89510	-278.98616	-1005.5323	-1413.5327
##		U26727_at	U26914_at	U27109_at	U27185_at	U27193_at	U27330_at	U27459_at
##	39	-196.00976	-919.1143	-614.4234	-700.2518	-813.9745	121.55544	-547.9063
##	40	-1252.32248	-229.6931	-360.9766	-683.4273	-556.7502	152.64131	-259.6349
##	42	-498.30406	-833.1839	-719.3247	-670.2090	-1020.7166	-643.41865	-529.5595
##	47	-356.20925	-297.3921	-508.6981	-665.5438	-1059.8364	-44.69630	-105.6918
##	48	-328.46714	-726.9585	-800.9952	-970.8439	-1110.2070	-672.51980	-485.2506
##	49	-804.23952	430.9691	-428.8758	-701.6692	-828.2453	110.16402	-725.6750
##	41	-721.20192	-574.4993	-759.5703	-737.0007	-739.2576	-346.54593	-405.2270
##	43	-726.83604	-834.2091	-571.0398	-697.3611	-1324.7567	-356.29365	-611.0415
##	44	-885.59831	-508.3459	-821.9654	-806.0571	-626.5214	-15.19069	-356.0814
##	45	-55.16452	-395.7800	-673.6504	-687.0958	-778.9723	-147.04105	-445.0796
##	46	-526.58442	-596.3212	-603.0700	-542.3314	-614.3178	-398.35864	-483.8425
##	70	-692.72276	-697.2160	-463.5682	-483.7877	-899.4112	194.68948	-450.0885
##	72	-97.69744	-650.9242	-736.2133	-826.1126	-146.1048	-134.57922	-639.3986
##	68	-401.16809	-926.9868	-926.9868	-726.2593	-1243.3507	-745.89569	-464.4409
##		U27655_at	U27699_at	U27768_at	U27831_at	U28042_at	U28043_at	U28131_at
##	39	-382.6866	-2249.4550	-798.9545	1074.25103	-309.7324	-1202.3481	-90.86993
##	40	300.0473	-2162.0941	-206.6609	1976.79102	-404.7378	-837.7430	127.30590
##	42	-674.6741	-1319.8759	-1161.3661	-203.60980	-703.6970	-1545.3617	-491.60646
##	47	-595.8346	-1046.7659	-839.8168	770.02988	-269.0728	-881.2066	-489.09240

## 48	-1042.7030	-1582.7351	-1349.7374	501.17883	-620.2586	-1330.1394	-2035.66514
## 49	-1105.4035	-2072.1833	-1362.9204	1369.37845	-815.1513	-854.4335	-1581.15518
## 41	-590.2980	-980.7528	-434.5675	82.27719	-402.9700	-1188.3934	285.40394
## 43	-537.3541	-960.5304	-288.9223	551.11415	-747.8896	-1750.0383	475.32139
## 44	-460.6212	-994.6833	-646.9748	175.70811	-551.5254	-808.3297	398.42337
## 45	-637.7962	-1110.6242	-991.8570	260.80111	-433.8751	-978.4116	350.43675
## 46	-506.3382	-839.2753	-585.0734	107.79575	-398.3586	-634.5640	672.43909
## 70	-647.7905	-933.1104	-304.0587	444.06355	-470.3080	-784.8339	1207.91206
## 72	-623.2628	-1095.8106	-1400.0853	780.54996	-754.6542	-1022.0471	-1031.26751
## 68	-876.8049	-1546.6237	-1195.3507	314.46895	-490.6227	-1705.8966	-593.16827
##	U28150_at	U28249_at	U28251_cds2_at	U28281_at	U28368_at	U28369_at	
## 39	-427.7465	-886.9286	-1110.0826	-655.1919	-846.1601	-577.9463	
## 40	-409.3442	-1070.3682	-1738.3018	-266.5446	-678.8209	-764.0400	
## 42	137.9676	-996.1587	-1036.3443	-194.6797	-746.1151	-661.2789	
## 47	-301.7489	-674.2574	-848.5304	-393.2423	-852.8872	-661.1870	
## 48	-794.4625	-1310.5415	-1347.5598	-896.8073	-938.1807	-912.0501	
## 49	-732.2221	-1362.9204	-1530.9612	387.3221	-740.9514	-559.8166	
## 41	-802.4526	-834.0501	-922.0717	228.9798	-712.1741	-592.5550	
## 43	-486.8256	-844.7359	-1122.6427	-827.8931	-743.6789	-636.3058	
## 44	-644.7022	-583.3419	-737.8790	-683.3365	-994.6833	-646.9748	
## 45	-700.5411	-734.1545	-398.0208	-608.6646	-1056.8428	-727.4318	
## 46	-643.5623	-724.5470	-609.8187	-472.5946	-573.8255	-486.0921	
## 70	-470.3080	-589.3786	-593.8718	-508.5005	-434.3622	-335.5113	
## 72	-650.9242	-989.7755	-1298.6604	-473.4306	-985.1653	-791.5359	
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## 40	1449.3538	-720.2788	903.49081	95.06083	-3097.201	555.70469	1949.152388
## 42	1024.2829	-652.3488	2904.07506	-571.97762	-2032.054	-275.05083	33.038614
## 47	495.5499	-617.6187	288.60077	-260.35912	-1412.739	-22.91218	-279.964826
## 48	1217.5923	-1142.8703	451.09522	-502.67101	-2765.144	-297.98146	261.648501
## 49	-369.9524	-596.9165	1140.23197	413.51030	-3008.410	-1059.57416	88.340547
## 41	1395.8301	-540.6448	964.75004	-402.97002	-1262.873	52.93666	409.536945
## 43	656.3819	-621.5683	64.77726	-46.80653	-1472.132	-107.86181	-147.863549
## 44	259.7945	-899.2339	373.42472	-326.53754	-1596.924	327.97263	-208.362095
## 45	641.7526	-536.9561	702.25664	-173.93174	-1706.701	-501.10183	314.582496
## 46	139.2898	-438.8510	517.21841	-227.39093	-1037.238	263.01643	-2.433428
## 70	684.4512	-609.5981	781.05554	-510.74709	-1270.102	-472.55466	-254.633175
## 72	425.5628	-911.4017	2131.34517	-201.42745	-1932.566	1260.01310	492.411046
## 68	427.9236	-820.0776	3412.65367	-551.71369	-2170.624	-30.25865	-285.531618
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## 40	-384.00879	829.78779	-1091.0971	712.3236	-766.3432	53.60288	-303.3961
## 42	-31.70482	1274.32653	5786.2742	3750.2048	-938.1129	-493.83899	-822.0212
## 47	-458.59463	72.93796	-293.0353	271.1735	-621.9755	-223.32611	-421.5616
## 48	1330.82480	485.93599	-1036.1704	1285.0963	-1073.1887	-385.08340	-1225.6171
## 49	-535.81080	1380.29018	-2224.9477	428.7867	-1061.7565	-383.04648	-1129.4093
## 41	-240.46863	590.09405	-743.7716	888.0133	1269.4402	-470.67894	-718.9450
## 43	570.06234	212.15207	1572.2111	1060.6099	-712.0986	-143.65284	-411.0329
## 44	232.52323	1307.46527	-892.4161	1382.4612	-765.1503	-571.97886	-576.5241
## 45	171.16547	464.72219	-644.5189	514.0218	-749.8407	-812.58568	-608.6646
## 46	-74.41983	1336.06373	-585.0734	1410.2997	-501.8391	-438.85099	-740.2940
## 70	-425.37578	515.95518	-548.9395	684.4512	-582.6387	-366.96384	-690.4761
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## 45  5141.462 -581.7739 -73.09165 -398.0208 -86.53699 -530.2334
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## 39      104.38975 -1260.2823 -427.7465 -159.53267 254.58951 -861.1801
## 40     -188.23515 -1344.4513 -644.2726 -404.73777 -1054.24562 -883.8074
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## 47     1098.97012 -1051.1228 -617.6187 -504.34129 796.17082 -621.9755
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## 49     -380.86413 -1659.7197 -590.3695 223.64608 -265.19972 -1149.0504
## 41     -558.70052 -944.6413 -782.1399 -398.45609 759.36633 -572.2423
## 43     -248.92057 -834.2091 -541.5648 -238.39379 1138.50806 -651.0433
## 44     -108.36749 -1085.5875 -617.4310 -494.71029 866.57995 -926.5052
## 45     -485.41559 -1173.3691 -637.7962 -185.13620 966.68178 -962.7254
## 46      368.74646 -783.0360 -549.0802 -396.10906 715.18101 -1075.4807
## 70     -178.24832 -901.6578 -459.0750 -432.11562 486.74920 -933.1104
## 72      -76.95144 -1407.0007 -865.2995 31.38879 -561.02481 -724.6877
## 68     -350.98623 -1214.9870 -1009.8959 -665.16834 883.92403 -959.7141
##      U30521_at U30610_at U30825_at U30828_at U30872_at U30888_at
## 39  2177.1464 -1322.5079 1481.936 -670.21184 -314.023850 151.59539
## 40 1101.5677 -390.9185 2366.035 -402.43455 -6.280823 1311.16063
## 42  809.9598 -1391.3169 1680.647 -225.93513 -243.795383 1113.58421
## 47 2155.5001 -530.4822 4449.368 88.18684 242.854112 1149.07361
## 48 4242.2071 -685.5851 4429.476 -637.67902 -73.693964 779.90504
## 49 1013.6558 -1002.8331 2290.329 -1192.69735 -147.352967 232.37547
## 41 3907.8308 -775.3690 6864.453 -834.05011 472.731932 -39.59885
## 43  803.7567 -701.5718 3688.092 205.83601 458.478551 140.57002
## 44 4734.5532 -981.0477 7429.862 -174.27302 9.807961 37.07922
## 45  565.5623 -247.8811 3940.344 -882.05330 -212.026889 930.82752
## 46 1079.6122 -672.8068 1228.084 -580.57422 -272.382434 -54.17365
## 70 1367.4216 -863.4654 2012.200 -616.33791 -369.210451 -407.40288
## 72 3728.7873 -245.2246 4431.846 -1128.08219 -390.446576 1589.64402
## 68 10614.8423 -693.5320 5952.292 -1066.62326 -569.168248 1062.83329
##      U30894_at U30930_at U30998_at U30999_at U31099_at U31116_at
## 39  -50.10142 67.91267 -401.9980 -620.86049 -423.455101 -989.9227
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## 42 -199.14474 -598.76801 -806.3935 -507.23419 -1069.832308 -663.5114
## 47  279.88712 -401.95591 -480.3788 -306.10577 -576.228891 -652.4733
## 48 -724.78096 -894.62974 -881.5644 -768.33193 -1321.429242 -953.4235
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## 43	-244.70986	-335.24010	-339.4508	-541.56484	3.721976	-617.3576
## 44	-15.19069	-590.15969	-644.7022	-465.16643	-674.246069	-610.6131
## 45	-41.71917	-312.86698	-595.2193	-373.37104	-1.383135	-496.6200
## 46	-15.93088	29.06062	-441.1006	-675.05637	-497.339940	-722.2974
## 70	-220.93398	-261.37301	-418.6359	-400.66304	-324.278186	-703.9558
## 72	623.80239	-367.39546	-459.5999	-660.14460	-851.468833	-777.7053
## 68	-438.25903	-1474.62364	-937.8959	-833.16850	-946.623149	-1081.8960
##	U31120_rna1_at	U31176_at	U31201_cds1_at	U31248_at	U31342_at	U31382_at
## 39	-522.15780	400.4978	-908.3857	-163.82409	898.30275	1.395636
## 40	-397.82811	839.0007	-982.8458	212.52501	415.20831	343.808515
## 42	-375.51478	-295.1436	-1087.6926	-587.60535	365.68592	-315.236414
## 47	-168.86580	-238.5750	-839.8168	-325.71148	371.38043	-279.964826
## 48	-648.56676	-17.0777	-1401.9985	-737.84625	-147.73061	-709.538120
## 49	-99.34133	943.8207	-1319.2735	25.05247	636.10973	171.269747
## 41	-454.88019	-310.4345	-1213.2200	-323.97629	-17.02921	-310.434507
## 43	-636.30580	-537.3541	-920.5287	-400.50609	382.68579	-385.768608
## 44	-178.81823	-481.0747	-1017.4094	-544.70760	243.88625	-299.266285
## 45	-236.67669	198.0562	-987.3752	-281.49451	200.29705	-198.581543
## 46	-418.60481	-501.8391	-733.5453	-369.11416	224.77365	-281.380735
## 70	-405.15626	-393.9232	-809.5467	-548.93951	322.74644	-326.524799
## 72	-408.88747	-318.9881	-1146.5231	-505.70214	79.79613	-344.344350
## 68	-671.71380	497.7418	-1284.8053	-782.98663	-230.98611	-656.441058
##	U31383_at	U31384_at	U31449_at	U31501_at	U31628_at	U31799_at
## 39	-464.22361	700.89735	-350.5009	1166.5166	-996.3599	-1125.1025
## 40	415.20831	-43.13233	-526.8084	401.3890	-1768.2436	-688.0337
## 42	10.71329	-433.56062	-634.4885	850.1454	-792.9983	-871.1369
## 47	1075.00759	-160.15215	-639.4028	462.8737	-558.8016	-857.2441
## 48	2445.72963	-319.75694	-1216.9069	1023.7905	-2007.3570	-1179.8886
## 49	-230.28217	-66.60612	-278.2938	341.4928	-887.1687	-701.6692
## 41	-161.47490	-258.52434	-669.2918	301.2027	-579.0132	-806.9665
## 43	357.42153	323.73586	-522.6167	864.8120	-743.6789	-783.6806
## 44	162.07248	1643.81078	-2733.2260	-2330.9749	-2658.2300	-3378.6457
## 45	133.07032	-572.81034	-2417.0636	-1977.8490	-2522.3855	-2047.3166
## 46	-301.62691	58.30510	-668.3076	335.0028	-828.0275	-825.7779
## 70	-274.85269	-778.09407	-607.3515	349.7058	-721.9287	-780.3407
## 72	188.13636	1128.62176	-745.4337	771.3295	-835.3331	-962.1142
## 68	1071.56057	-817.89575	-1012.0778	598.1056	-957.5322	-1138.6233
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## 40	447.453385	320.77632	2165.655	721.53649	-245.8156	-303.3961
## 42	615.729526	104.47964	4730.286	-163.42422	-676.9066	-654.5813
## 47	458.516924	14.12083	3107.466	-77.37249	-863.7793	-926.9533
## 48	3475.710055	56.95894	10557.098	-184.74894	-851.0788	-642.0341
## 49	845.615081	1557.06032	3916.178	-315.39371	-553.2696	-756.2279
## 41	770.651153	-141.16222	4327.626	-366.85860	-669.2918	-689.6044
## 43	-6.804796	115.30577	4037.581	-76.28150	-636.3058	-309.9758
## 44	-349.263590	-83.36883	3773.241	-242.45117	-776.5133	-603.7953
## 45	-841.717260	-254.60382	3608.692	148.75656	-675.8913	-516.7881
## 46	800.664867	427.23541	2382.116	-339.86969	-659.3093	-405.1074
## 70	419.350806	55.39946	1868.416	286.80062	-562.4192	-465.8148
## 72	3.727454	40.60923	2357.246	-464.21014	-577.1606	-906.7915
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##	U32331_at	U32376_at	U32439_at	U32519_at	U32576_rna1_at	U32581_at
## 39	-562.9263	-882.6372	-262.5268	286.77517	-200.3012	-329.04383

## 40	-360.9766	-706.4595	-418.5571	585.64654	-1588.5925	-63.86131
## 42	-580.9077	-699.2320	-813.0911	-47.33255	-2371.3986	-464.81607
## 47	-748.3235	-706.9336	-462.9515	388.80773	-839.8168	-380.17179
## 48	-794.4625	-1325.7843	-628.9688	272.53624	-1367.1578	-646.38921
## 49	-457.2463	-1177.4209	-208.4587	1140.23197	-675.4810	385.13979
## 41	-522.5891	-752.7994	-441.3384	226.72288	-642.2082	-529.36000
## 43	-516.3006	-411.0329	-248.9206	216.36278	-2099.5272	-389.97932
## 44	-374.2622	-671.9735	-374.2622	880.21558	-242.4512	-551.52541
## 45	-350.9621	-191.8589	-337.5168	184.61082	-1933.0312	-503.34272
## 46	-659.3093	-789.7847	-456.8476	65.05382	-472.5946	-207.14476
## 70	-445.5953	-715.1889	-387.1834	-182.74155	-434.3622	-348.99093
## 72	-551.8044	-1072.7595	-496.4817	-141.49456	-309.7677	-736.21327
## 68	-850.6231	-1112.4415	-994.6232	279.55982	-961.8959	-979.35045
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## 40	-1864.97882	-126.0482	765.297652	-107.62247	-432.3764	1152.23850
## 42	-942.57797	-603.2331	515.265575	305.40755	-806.3935	894.79605
## 47	-401.95591	-260.3591	-5.484884	587.04325	-822.3895	4989.61439
## 48	-186.92649	-713.8932	-363.307912	653.60723	-1031.8153	6565.65135
## 49	-2118.01263	-184.4529	1175.149532	472.43368	-1229.7973	1808.03027
## 41	10.05435	-533.8739	-258.524339	384.71034	-818.2514	3084.03905
## 43	-482.61492	-356.2936	-1992.154100	151.09679	-737.3628	3227.01973
## 44	-637.88439	-265.1772	259.794484	796.12921	-583.3419	4741.37106
## 45	-743.11806	-281.4945	791.892279	955.47732	-212.0269	2584.60508
## 46	-11.43173	-198.1465	-15.930878	166.28470	-744.7932	1183.09263
## 70	-724.17535	-405.1563	-389.429971	64.38591	-596.1184	1859.42991
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## 39	-783.9345	-1912.5784	891.865615	-824.7030	-232.48684	-314.0239
## 40	-925.2653	-2560.5511	-185.931930	-1392.8189	680.07854	-326.4283
## 42	-940.3454	-1563.2219	-219.237528	-1072.0648	209.40866	-547.4198
## 47	-743.9666	-1305.9970	338.704251	-909.5260	-471.66510	-595.8346
## 48	-1264.8130	-1713.3880	22.118169	-1131.9825	26.47327	-846.7237
## 49	-1155.5974	-2589.3997	-3.318042	-1480.7672	3095.61521	-476.8874
## 41	-725.7158	-1190.6504	253.806443	-696.3753	-278.83701	-502.2764
## 43	-657.3593	-1227.9104	-581.566578	-743.6789	-208.91883	-446.8239
## 44	-683.3365	-1210.5808	798.401810	-785.6037	496.14538	-381.0801
## 45	-866.3671	-1271.9683	289.932695	-761.0452	1045.11296	-496.6200
## 46	-564.8272	-1095.7269	168.534276	-506.3382	-724.54702	-639.0632
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## 72	-964.4193	-1667.4782	769.024401	-1298.6604	-256.75012	-703.9417
## 68	-1101.5324	-1474.6236	646.105621	-1234.6234	-503.71364	-839.7140
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## 39	-9.332918	-236.7783	-1150.85106	-1783.836	-206.7383	22.85274
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## 42	-62.960272	-152.2616	-4193.14490	-1940.520	-634.4885	751.91399
## 47	663.287675	-608.9051	-680.79268	-1059.836	-831.1031	521.69088
## 48	1724.961079	-1232.1498	-3093.95370	-2151.075	-892.4522	1147.91073
## 49	204.004957	-289.2055	-2395.17075	-2255.501	-625.2870	175.63444
## 41	840.617031	-621.8955	-743.77156	-1549.508	-592.5550	1115.96661
## 43	662.697938	-507.8792	-2027.94513	-1931.099	-507.8792	479.53210
## 44	614.320825	-224.2703	-360.62661	-1308.303	-637.8844	139.34643
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## 72  160.475021      -561.0248   -2331.35028 -1545.307 -604.8219 1744.08647
## 68  519.560047      -193.8952   -1197.53248 -1978.624 -791.7139 2657.74387
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## 40 1122.2966 -1657.6890817 -1613.9279  454.363043 -506.07942 -354.0669
## 42 3140.7235 -1538.6640766 -859.9743    1.783162 -1672.61601 -667.9765
## 47  961.7302    92.5436674 -648.1165    68.581133 -59.94519 -761.3939
## 48 3011.8922 -770.5094773 -1071.0112  -67.161319 -1569.66977 -927.2930
## 49 3569.1846   640.4744292 -834.7924  753.956492 -1801.57227 -389.5935
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## 43 1096.4010   681.6461288 -899.4751  226.889554 -844.73589 -596.3041
## 44 1234.7419  -335.6279611 -821.9654 -312.901914 -612.88574 -631.0666
## 45  986.8498  -216.5086713 -1191.2963 -339.757676 -792.41766 -581.7739
## 46 1327.0654    -0.1838526 -857.2719  -31.677903 -666.05807 -438.8510
## 70  455.2966 -1009.4952333 -818.5331  183.456413 -1117.33267 -405.1563
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## 39 -382.6866 -236.77826 -283.9839 -644.46331  394.0607 -1333.2365 -247.5068
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## 43 -461.5614 -672.09682 -512.0899 -661.57005  677.4354 -1335.2835 -411.0329
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## 45 -263.5674   50.15736  -84.2961   47.91647 2288.8075 -1473.6485 -371.1302
## 46 -380.3620 -112.66261 -281.3807 -141.90708  728.6785 -409.6065 -441.1006
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## 40 -432.3764 -462.31825 -135.26111    -803.1947 -441.58928  590.25298
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## 47 -604.5483  -27.26901 -412.84797    -715.6473 -127.47597  563.08071
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## 43 -726.8360 -432.08641 -274.18482    -823.6823 -446.82389  702.69967
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## 46 -544.5810 -438.85099 -157.65411    -697.5521  575.70736 -103.66431
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## 49	-564.1813	-863.16290	-3453.609	-1757.92532	-1550.6023	-537.9931	-1546.2376
## 41	-721.2019	-46.36974	-1994.130	-177.27364	-845.3349	-454.8802	-881.4463
## 43	-651.0433	119.51647	-3697.491	-1006.84819	-823.6823	-562.6184	-783.6806
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## 68	-1042.6232	15.55957	-3547.353	1062.83329	-1790.9876	-861.5322	-1485.5327
##	U35407_at	U35451_at	U35459_at	U35735_at	U36221_at	U36448_at	
## 39	-680.9404	-241.06968	-309.73243	-674.5033	591.46610	-876.2001	
## 40	-780.1625	23.66103	69.72542	-358.6734	1143.02562	-1107.2197	
## 42	-779.6031	-424.63049	-598.76801	-578.6752	169.22308	-844.3466	
## 47	-576.2289	-543.55271	-438.98892	-576.2289	192.75063	-844.1736	
## 48	-1062.3010	-912.05013	-753.08909	-1003.5072	533.84206	-1425.9516	
## 49	-738.7691	-280.47616	-428.87578	-581.6401	2137.56472	-1888.8662	
## 41	-737.0007	285.40394	-502.27643	-585.7841	-502.27643	-712.1741	
## 43	-733.1521	-339.45081	-421.55964	-566.8291	-581.56658	-1051.0606	
## 44	-785.6037	666.59073	-592.43230	-731.0612	537.05226	-731.0612	
## 45	-841.7173	-507.82450	-653.48242	-671.4095	-438.35688	-895.4986	
## 46	-506.3382	26.81105	-580.57422	-607.5691	429.48498	-1075.4807	
## 70	-501.7606	17.20703	-191.72800	-490.5276	-25.47862	-728.6686	
## 72	-713.1622	22.16834	-505.70214	-796.1462	566.17461	-1259.4735	
## 68	-944.4413	157.37789	-745.89569	-981.5323	-1289.16892	-1145.1688	
##	U36500_at	U36501_at	U36601_at	U36621_cds2_at	U36764_at	U36787_at	
## 39	-1502.7476	-346.20951	-695.9604	-710.9803	1218.0137	-247.50682	
## 40	-1636.9601	-888.41383	-692.6402	-1438.8832	1366.4379	-137.56432	
## 42	-1038.5769	-344.25933	-761.7429	-891.2297	1260.9313	705.03081	
## 47	-604.5483	-576.22889	-648.1165	-580.5857	994.4063	-22.91218	
## 48	-914.2277	-820.59309	-1036.1704	-1314.8966	1350.4227	631.83174	
## 49	-725.6750	40.32891	-596.9165	-745.3161	1840.7655	-53.51203	
## 41	-913.0438	364.39767	-511.3043	-802.4526	1258.1553	-136.64829	
## 43	-592.0934	-213.12954	-718.4146	-491.0363	879.5495	94.25222	
## 44	-765.1503	-678.79128	-728.7886	-1035.5902	1202.9255	266.61230	
## 45	-942.5574	-671.40954	-980.6525	-1359.3631	1464.1596	695.53397	
## 46	-544.5810	-337.62011	-672.8068	-652.5606	1345.0620	422.73626	
## 70	-564.6658	-281.59253	-742.1483	-1065.6606	1796.5247	-119.83638	
## 72	-1201.8457	-448.07436	-759.2644	-798.4513	1472.0833	65.96546	
## 68	-926.9868	-505.89546	-1114.6233	-913.8958	3046.1079	567.56009	
##	U36798_at	U36922_at	U37012_at	U37022_rna1_at	U37122_at	U37139_at	
## 39	-496.40927	-273.25535	2316.6176	218.11243	2462.5259	-532.88635	
## 40	134.21556	-105.31925	1453.9602	233.25399	1172.9675	249.37652	
## 42	-176.81942	834.51768	2776.8207	-45.10001	1430.6038	-219.23753	
## 47	-210.25563	-706.93363	1024.9041	966.08698	750.4242	-288.67848	
## 48	-176.03874	1217.59228	1184.9291	226.80773	1461.4777	37.36101	
## 49	483.34542	-25.14152	1639.9895	764.86823	3708.8548	465.88664	
## 41	-360.08771	-59.91153	1533.5049	540.44085	1440.9694	70.99238	
## 43	-76.28150	1222.72224	483.7428	-86.80827	1254.3026	191.09853	
## 44	-215.17991	1493.81886	2109.6948	991.57321	4548.1997	-394.71568	
## 45	500.57645	-229.95402	2098.3317	834.46921	462.4813	-326.31233	
## 46	-119.41133	-346.61841	1821.9719	-15.93088	625.1980	-366.86459	
## 70	-77.15073	-351.23755	1275.3105	-11.99894	1720.1399	-104.11009	
## 72	-395.05680	5602.84277	1310.7256	-752.34905	3532.8528	-238.30923	

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## 68 -433.89539 -874.62308 1003.9241      467.19636 1564.6519 -220.07701
##      U37143_at U37219_at U37221_at U37248_at U37251_at U37283_at U37352_at
## 39 -391.2694 2265.1205 -2094.9638 -412.72655 -144.5127 -788.2259 -522.15780
## 40 -621.2404 2181.7775 -909.1428 -370.18948 541.8854 -688.0337 -199.75125
## 42 -388.9100 1321.2097 -1266.2951 -578.67522 -143.3314 -826.4863 -371.04972
## 47 -576.2289 1024.9041 -863.7793 -18.55536 -284.3217 -534.8391 -351.85243
## 48 -814.0604 1370.0207 -1839.6858 -624.61373 333.5076 -992.6194 982.41705
## 49 -520.5344 3045.4212 -1816.8487 478.98072 326.2164 -668.9340 -134.25888
## 41 -583.5271 739.0537 -1314.7834 -737.00066 -141.1622 -775.3690 445.64837
## 43 -625.7790 1643.7931 -1851.0953 -472.08814 216.3628 -606.8308 -213.12954
## 44 -531.0720 1343.8270 -1624.1949 -201.54428 146.1642 -815.1476 -328.81015
## 45 -561.6059 1275.9247 -1536.3935 -440.59777 948.7546 -727.4318 -245.64025
## 46 -668.3076 299.0096 -596.3212 -832.52662 -321.8731 -722.2974 -267.88328
## 70 -472.5547 1302.2698 -1045.4410 -306.30528 -119.8364 -533.2132 -265.86624
## 72 -436.5488 1368.3533 -1524.5613 -872.21483 -284.4115 -874.5199 -395.05680
## 68 -944.4413 1150.1061 -1950.2605 157.37789 -608.4410 -1018.6232 41.74142
##      U37359_at U37408_at U37431_at U37518_at U37519_at U37529_at U37547_at
## 39 -507.1378 173.05250 -552.1977 -573.6549 228.84098 -595.1120 -294.7125
## 40 -351.7637 -158.29330 -469.2279 -395.5249 -10.88726 -764.0400 -266.5446
## 42 -654.5813 -355.42199 -810.8586 -701.4645 -190.21461 -667.9765 405.8715
## 47 -467.3083 1547.72305 -730.8962 -595.8346 -22.91218 -617.6187 -284.3217
## 48 -498.3159 2040.70561 -1016.5725 -672.5198 113.57520 -1040.5255 666.6725
## 49 -660.2046 1332.27854 -1214.5208 -677.6634 182.18148 -952.6391 -804.2395
## 41 -421.0257 1614.75561 -727.9728 -770.8551 -574.49927 -676.0626 -179.5306
## 43 -472.0881 43.72371 -596.3041 -491.0363 -15.22621 -575.2505 338.4733
## 44 -524.2542 1448.36677 -576.5241 -640.1570 -515.16374 -756.0598 -349.2636
## 45 -727.4318 99.45696 -729.6727 -503.3427 -218.74956 -622.1099 -411.4662
## 46 -337.6201 832.15892 -443.3501 -389.3603 -245.38753 -612.0683 -258.8850
## 70 -348.9909 1156.23996 -288.3324 -521.9802 -760.12116 -539.9531 -178.2483
## 72 -690.1110 743.66818 -975.9448 -699.3315 123.59324 -925.2324 -182.9866
## 68 -643.3501 2140.65248 -1343.7144 -826.6230 -422.98629 -996.8050 -566.9864
##      U37673_at U37689_at U37690_at U37707_at U38175_at U38268_at
## 39 -1788.1272 1524.85030 2426.049 1561.32738 -1601.45033 173.052499
## 40 -941.3879 1820.17211 2748.369 256.28618 385.26646 498.124210
## 42 -1893.6367 55.36394 2700.915 -125.47117 50.89887 -1619.035237
## 47 -1591.3690 571.79436 3601.966 408.41344 -462.95145 -173.222626
## 48 -2296.9710 614.41135 4024.452 287.77908 -726.95851 9.052878
## 49 -2707.2464 786.69170 2569.669 1338.82558 -125.52949 -7.682736
## 41 -1183.8795 971.52093 3564.772 -204.35721 -671.54871 -258.524339
## 43 -1198.4354 767.96566 3845.994 -143.65284 -667.88611 -537.354133
## 44 -1719.6443 837.03609 3089.187 -203.81689 559.77831 209.797180
## 45 -1917.3449 1024.94494 3203.091 -223.23134 350.43675 294.414477
## 46 -1622.1275 436.23371 2382.116 -74.41983 281.01303 42.558073
## 70 -1438.5984 515.95518 2293.026 -243.40011 -708.44906 -1155.525096
## 72 -2405.1138 -70.03611 2163.617 573.08994 -791.53594 -503.397029
## 68 -1718.9875 251.19616 2269.380 -163.34969 -263.71342 -684.804721
##      U38372_at U38480_at U38545_at U38810_at U38846_at U38847_at U38864_at
## 39 -923.4057 -226.0497078 -361.2295 -558.6349 1850.9983 -174.55265 -2564.8745
## 40 -867.6849 350.7181733 -195.1448 -780.1625 772.2073 76.63507 -3124.8398
## 42 -826.4863 -0.4493699 -364.3521 -717.0922 2057.9453 -121.00611 -1980.7055
## 47 -1146.9729 -242.9318181 -264.7159 -885.5634 4248.9542 -59.94519 -1210.1469
## 48 -1118.9172 -650.7443110 -611.5484 -1049.2357 7504.1747 -173.86119 -1765.6491
## 49 -900.2628 25.0524740 -249.9233 -858.7982 2947.2156 55.60534 -6838.4300
## 41 -635.4373 -177.2736426 -430.0536 -639.9512 4578.1491 1752.43041 -1590.1330

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## 43 -661.5700 -309.9758460 -712.0986 -558.4077 2401.7208 231.10026 -2236.3752
## 44 -1121.9492 -565.1610411 -417.4417 -542.4350 3850.5100 -221.99772 -1499.2016
## 45 -785.6950 81.5298318 -288.2172 -554.8832 5500.0043 65.84359 -2730.7884
## 46 -589.5725 -634.5640182 -375.8629 -560.3280 3421.4198 173.03343 -738.0445
## 70 -519.7335 -571.4056457 -420.8826 -510.7471 3079.3409 -456.82837 -2135.0485
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## 39 -633.7348 -148.8041 2280.1405 -710.9803 -908.3857 -680.9404 484.1806
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## 47 -493.4492 -497.8061 1996.4760 -497.8061 -371.4581 -656.8301 563.0807
## 48 -959.9562 -311.0467 2099.4994 -1053.5908 -877.2094 -1073.1887 1309.0493
## 49 -815.1513 -110.2531 4562.1526 -692.9398 -531.4461 -898.0805 -245.5586
## 41 -608.3537 -554.1866 750.3385 -585.7841 -852.1058 -802.4526 725.5119
## 43 -566.8291 -345.7669 1866.9607 -592.0934 -870.0001 -632.0951 561.6409
## 44 -769.6955 -242.4512 2325.5922 -658.3378 -1015.1368 -644.7022 1250.6502
## 45 -700.5411 -492.1383 2179.0038 -478.6929 -891.0169 -722.9500 702.2566
## 46 -535.5827 -297.1278 2265.1382 -479.3433 -391.6099 -544.5810 1021.1232
## 70 -488.2810 -477.0479 2490.7282 -587.1319 -838.7526 -582.6387 210.4158
## 72 -685.5008 -118.4434 1866.2574 -623.2628 -648.6190 -826.1126 1264.6233
## 68 -942.2595 -324.8044 973.3787 -1040.4414 -900.8049 -1018.6232 2463.5619
## U39318_at U39400_at U39412_at U39447_at U39487_at U39573_at U39576_at
## 39 1788.7727 524.94907 280.338039 -912.6772 -717.4175 -751.748852 -1743.067
## 40 956.4649 758.38799 359.931051 -598.2082 -1427.3671 385.266463 -1745.211
## 42 4980.3300 227.26892 1571.253320 -964.9033 -516.1643 -4.914434 -2215.121
## 47 907.2698 160.07445 42.440186 -589.2994 -680.7927 -151.438504 -1251.537
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## 49 1882.2301 1332.27854 -374.317093 -1063.9389 -1164.3268 -651.475207 -4093.037
## 41 1127.2514 10.05435 -278.837014 -825.0223 -784.3969 -536.130887 -1387.006
## 43 1982.7552 342.68405 580.589112 -592.0934 -1198.4354 60.566548 -1177.382
## 44 1057.4788 -178.81823 -49.279762 -967.4121 -737.8790 -481.074665 -1244.670
## 45 1513.4592 464.72219 -5.864917 -868.6080 -615.3873 -727.431819 -1471.408
## 46 1534.0263 121.29320 -87.917280 -711.0496 -603.0700 -148.655806 -1471.406
## 70 1421.3403 280.06078 -351.237545 -710.6957 -1040.9478 -126.576218 -1600.355
## 72 4579.3734 132.81369 -708.551933 -1068.1493 -985.1653 -475.735694 -2068.568
## 68 2740.6530 364.65081 -665.168339 -1188.8052 -931.3504 -455.713596 -1531.351
## U39657_at U39817_at U39840_at U39905_at U40038_at U40215_at U40223_at
## 39 -897.6572 -955.59138 -474.9522 379.04074 -511.4292 -427.7465 -758.1860
## 40 -1137.1615 -70.77096 -453.1054 629.40771 -471.5311 -540.6277 -354.0669
## 42 -931.4153 -933.64784 -509.4667 144.66523 -547.4198 -473.7462 -308.5388
## 47 -711.2905 -685.14950 -393.2423 -554.44477 -584.9425 -393.2423 -151.4385
## 48 -1229.9722 -892.45219 -835.8359 -199.99178 -916.4052 -892.4522 -1153.7580
## 49 -1083.5800 -1098.85642 -581.6401 727.76832 -607.8283 -380.8641 -2687.6053
## 41 -732.4867 14.56828 -477.4498 -215.64203 -567.7284 -597.0689 -703.1462
## 43 -773.1538 -248.92057 -152.0743 212.15207 -482.6149 -541.5648 -1122.6427
## 44 -690.1543 -624.24876 -787.8763 327.97263 -437.8952 -551.5254 -478.8021
## 45 -772.2496 -601.94192 -595.2193 756.03802 -364.4075 -581.7739 -839.4764
## 46 -672.8068 -645.81189 -501.8391 -369.11416 -434.3518 -369.1142 -297.1278
## 70 -670.2566 -811.79327 -425.3758 44.16639 -526.4734 -659.0236 -811.7933
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## U40282_at U40343_at U40369_rna1_at U40370_at U40371_at U40372_at U40380_at
## 39 162.32395 280.33804 228.84098 -438.4751 -464.2236 -2006.990 -1290.322

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## 40	705.41395	334.59564	-20.10014	-503.7762	-367.8863	-3180.117	-1528.709
## 42	260.75690	1912.83075	1332.37237	-558.5824	-679.1392	-2014.193	-3201.901
## 47	443.26804	301.67124	18.47765	-284.3217	-715.6473	-1567.406	-1534.730
## 48	522.95432	-108.53474	104.86501	-949.0685	-829.3033	-2185.916	-2364.475
## 49	876.16794	932.90898	110.16402	-531.4461	-219.3704	-2545.753	-3021.504
## 41	310.23054	1321.35032	-533.87392	-653.4930	-509.0473	-1488.570	-1071.031
## 43	317.41980	1113.24380	-118.38859	-507.8792	-389.9793	-1754.249	-2745.871
## 44	475.69194	68.89568	-340.17317	-276.5402	-381.0801	-1719.644	-2217.345
## 45	549.87605	928.58663	397.49546	-346.4803	-308.3852	-1874.768	-2210.902
## 46	292.26090	832.15892	-139.65751	-315.1244	-427.6031	-1073.231	-1806.593
## 70	-97.37025	868.67346	-178.24832	-832.0128	-515.2403	-1708.192	-2458.561
## 72	148.94946	1352.21756	840.48285	-593.2964	-644.0088	-2252.976	-2229.925
## 68	1979.19778	3264.28990	726.83297	-937.8959	-974.9868	-2297.170	-3117.534
##	U40391_rna1_at	U40434_at	U40462_at	U40490_at	U40572_at	U40622_at	
## 39	1104.2910	-625.1519	-232.4868	-178.844070	-273.2553	-562.9263	
## 40	2893.4723	-471.5311	910.4005	74.331854	-448.4989	-600.5114	
## 42	1640.4618	-951.5081	-440.2582	-154.494094	-779.6031	-569.7451	
## 47	567.4375	-493.4492	-114.4055	695.963859	-661.1870	-526.1254	
## 48	2219.2646	-851.0788	-491.7833	2.520232	-1186.4212	-768.3319	
## 49	4339.5532	-607.8283	-337.2172	1731.648109	-902.4452	-455.0639	
## 41	1134.0223	-703.1462	865.4436	1.026498	-493.2486	-560.9575	
## 43	1831.1697	-1310.0192	353.2108	-335.240100	-562.6184	-440.5078	
## 44	1539.2710	-265.1772	407.5138	-131.093533	-660.6104	-728.7886	
## 45	1625.5037	-640.0371	-241.1585	-120.150358	-819.3084	-651.2415	
## 46	1745.4864	-324.1227	-76.6694	656.692063	-652.5606	-479.3433	
## 70	2380.6442	-450.0885	-337.7579	-434.362236	-483.7877	-434.3622	
## 72	2419.4841	-713.1622	-503.3970	-556.414588	-899.8762	-743.1286	
## 68	1014.8332	-1055.7142	873.0149	259.923440	-715.3502	-841.8958	
##	U40714_at	U40990_at	U40992_at	U40998_at	U41060_at	U41344_at	U41371_at
## 39	59.32983	100.09833	-339.7724	675.1488	-573.65486	-339.7724	1870.3097
## 40	-82.28706	597.16264	-158.2933	3517.6448	-354.06694	-519.8987	1115.3870
## 42	-442.49075	-630.02346	-676.9066	-636.7211	-538.48964	-603.2331	1510.9750
## 47	-177.57945	-18.55536	-785.3565	-160.1522	-621.97555	-412.8480	713.3912
## 48	-358.95281	-467.83024	-648.5668	329.1525	28.65081	-970.8439	1306.8718
## 49	-295.75259	430.96908	-810.7866	-38.2356	-420.14639	-1661.9020	1760.0186
## 41	-190.81543	-272.06612	-739.2576	772.9081	-328.49022	-908.5299	3684.3914
## 43	-339.45081	220.57349	-400.5061	342.6841	-381.55790	-1097.3784	1127.9813
## 44	-308.35670	105.25736	-694.6995	543.8701	-433.34997	180.2533	2284.6853
## 45	-868.60795	126.34765	-496.6200	-120.1504	-586.25569	-198.5815	1128.0259
## 46	47.05722	368.74646	-373.6133	816.4119	-447.84929	-526.5844	1005.3762
## 70	-43.45153	439.57033	-589.3786	1522.4379	-456.82837	131.7843	1194.4324
## 72	-355.86991	-201.42745	-595.6015	614.5819	-44.67988	-620.9577	2394.1279
## 68	-497.16818	-872.44126	-1049.1687	377.7417	-673.89562	-407.7136	892.6513
##	U41387_at	U41515_at	U41635_at	U41668_at	U41737_at	U41745_at	U41763_at
## 39	-346.20951	-438.47508	4910.782	218.11243	-273.25535	-805.3916	-2238.7264
## 40	511.94353	235.55721	2306.151	-202.05447	-918.35568	-512.9891	-3216.9686
## 42	372.38351	115.64231	1937.389	-192.44714	-585.37281	-498.3041	-2956.3220
## 47	-142.72485	484.65787	3342.735	-164.50898	-780.99964	-360.5661	-1438.8801
## 48	-8.36751	901.84775	4501.335	-258.78558	-879.38690	-1066.6561	-2305.6812
## 49	129.80515	-197.54696	4232.618	409.14561	-935.18036	-880.6217	-3076.0631
## 41	59.70756	1145.30714	2896.711	-59.91153	-770.85512	-551.9296	-1339.6100
## 43	-93.12433	176.36105	2768.052	68.98797	-451.03460	-411.0329	-975.2679
## 44	-165.18260	373.42472	2984.648	421.14942	-603.79532	-624.2488	-1178.7643
## 45	-292.69897	126.34765	3942.585	334.75051	-436.11599	-590.7375	-758.8043

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## 46 -258.88498 -132.90878 2544.086 -317.37394 -650.31104 -434.3518 -814.5300
## 70 262.08788 -56.93121 1106.814 -281.59253 -45.69814 -551.1861 -1186.9777
## 72 3862.48375 139.72902 3869.399 142.03413 -1010.52151 -761.5695 -2448.9110
## 68 -752.44115 1089.01513 2494.107 -268.07706 -833.16850 -702.2593 -1910.9877
##      U41804_at U41813_at U41815_at U41816_at U41898_at U42031_at U42359_at
## 39 -489.97214 -633.7348 -133.7841 -185.28120 -1607.8875 -423.45510 -449.2036
## 40 -130.65467 -600.5114 -310.3058 -317.21543 -708.7627 25.96425 -595.9050
## 42 -1159.13360 -609.9307 -190.2146 -368.81719 -1375.6892 -98.68079 -683.6042
## 47 -90.44296 -665.5438 -343.1388 127.39826 -977.0567 -173.22263 -617.6187
## 48 -2053.08553 -922.9379 -829.3033 -500.49347 -1857.1062 56.95894 -1007.8623
## 49 -1273.44420 -647.1105 -520.5344 -507.44028 -1522.2318 -258.65268 -703.8515
## 41 -572.24231 244.7786 -366.8586 -136.64829 -1271.9011 120.64558 -621.8955
## 43 -646.83257 -512.0899 -461.5614 -76.28150 -855.2627 111.09506 -465.7721
## 44 -367.44443 -715.1530 -742.4242 -76.55102 -842.4188 189.34374 -126.5483
## 45 -597.46014 -698.3002 -393.5391 -359.92570 -924.6302 240.63309 -536.9561
## 46 -1500.65041 -652.5606 -351.1176 -425.35354 -1309.4365 742.17592 -578.3246
## 70 -676.99647 -557.9260 -389.4300 -216.44075 -849.9857 -261.37301 -445.5953
## 72 -1921.04047 -814.5871 271.1204 -355.86991 -1506.1204 -632.48326 -669.3650
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## 40 -1268.4450 -796.2851 -496.8665 -2625.04120 1119.99343 484.30489
## 42 -1272.9927 -1116.7155 -911.3225 -2221.81894 233.96651 220.57132
## 47 -1138.2593 -918.2396 -922.5964 -1109.93989 68.58113 142.64715
## 48 -1504.3433 -1134.1601 -1347.5598 -2229.46696 355.28309 -54.09603
## 49 -1140.3210 -1083.5800 -1266.8972 -2857.82839 1537.41919 1624.71309
## 41 -976.2388 -676.0626 -806.9665 -919.81473 553.98263 -759.57030
## 43 -956.3197 -718.4146 -910.0019 -1583.71533 424.79288 100.56828
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## 45 -765.5270 -637.7962 -877.5715 -1224.90962 646.23436 498.33556
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## 39 462.7235 -112.3270 -1436.2306 518.51194 27.14417 -695.9604 333.98081
## 40 809.0588 272.4087 -1825.8241 2536.47332 -340.24763 -455.4086 58.20932
## 42 1499.8123 -337.5617 -1491.7809 914.88884 -400.07264 -766.2079 48.66634
## 47 1693.6767 -343.1388 -1334.3164 632.78990 -269.07277 -558.8016 214.53475
## 48 1156.6209 -718.2483 -1796.1348 453.27277 -276.20597 -951.2460 1772.86715
## 49 911.0855 -156.0824 -1956.5189 3730.67829 832.52100 -428.8758 1146.77902
## 41 1240.0996 -511.3043 -964.9540 813.53347 -459.39412 -621.8955 377.93945
## 43 1146.9295 -126.8100 -838.4198 464.79461 -51.01724 -335.2401 363.73760
## 44 1462.0024 -510.6185 -953.7765 727.95106 -460.62122 -403.8061 132.52862
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## 46 2067.1756 -292.6286 -1248.6980 211.27620 166.28470 -645.8119 29.06062
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## 47 -493.4492 -604.5483 -981.4136 -493.44923 -798.4269 -356.2093 68.58113

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## 42 403.63896 575.543946 -1918.1946 -694.7669 144.66523 -886.7647
## 47 64.22431 9.764002 -613.2619 -293.0353 88.18684 -371.4581
## 48 2251.92781 -376.373203 -1105.8519 -1142.8703 -613.72599 -1253.9252
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## 39 -329.04383 -670.21184 297.5037 -1431.9392 -356.93807 1524.8503 -794.6631
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## 45 -70.85076 -476.45203 845.6737 -1206.9825 -263.56738 747.0745 -763.2861
## 46 -252.13626 -612.06827 883.8991 -942.7558 -83.41813 611.7006 -652.5606
## 70 -164.76864 -557.92597 502.4755 -915.1375 30.68671 697.9309 -638.8040
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## 39 -614.4234 -474.9522 -989.9227 -547.9063 181.6353 -339.77238 7771.014
## 40 -420.8603 -275.7575 -770.9496 -333.3380 760.6912 189.49282 10003.510
## 42 -692.5344 -451.4209 -1014.0190 -538.4896 146.8978 216.10626 8309.036
## 47 -693.8632 -604.5483 -940.0237 -301.7489 -260.3591 -131.83279 5782.556
## 48 -966.4888 -354.5977 -1308.3640 -213.0571 -258.7856 357.46063 14485.395
## 49 -472.5227 -245.5586 -1325.8205 -348.1289 1397.7490 68.69942 14212.493
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## 45 -595.2193 -326.3123 -814.8266 -447.3204 -147.0411 -250.12204 4910.650
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## 68 -964.0777 -401.1681 -1101.5324 -337.8953 61.3778 -732.80477 4885.382
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## 42 -89.75066 6549.80019 -1156.90107 -377.7473 -667.97651 2415.1505 1729.76311
## 47 -471.66510 1066.29394 -77.37249 -689.5063 -177.57945 367.0236 774.38670
## 48 -372.01811 829.98865 -1388.93325 -759.6217 -369.84056 235.5179 1276.38609
## 49 540.08645 3034.50948 2170.29993 -175.7235 -701.66920 900.1738 1332.27854
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## 43 64.77726 839.54772 -1425.81374 -910.0019 -415.24357 570.0623 -46.80653
## 44 -81.09623 -424.25955 -667.42825 -458.3486 -419.71434 1180.1994 537.05226
## 45 -377.85282 6046.78168 -640.03707 -382.3346 713.46109 473.6858 1136.98949
## 46 -274.63201 2341.62378 -216.14306 -326.3722 348.50028 796.1657 276.51388
## 70 -167.01526 4213.88062 -292.82560 -672.5032 -575.89887 210.4158 722.64360
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## 68 -863.71398 3447.56280 -896.44128 -852.8049 211.92339 1780.6521 1942.10684
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## 39 2990.3708 -717.41748 1855.2898 -736.7289 333.98081 -532.8864 5565.2237
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## 42 2345.9420 -65.19280 756.3791 -897.9273 -217.00500 -650.1162 2325.8492
## 47 2504.0460 -210.25563 765.6731 -757.0371 -338.78196 -476.0219 3896.0514
## 48 1400.5064 -918.58277 309.5546 -1151.5805 -567.99747 -581.0628 5002.1715
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## 41 1140.7932 -518.07518 262.8343 -759.5703 -348.80289 -366.8586 8530.0927
## 43 1309.0418 -46.80653 671.1194 -758.4164 -194.18135 -697.3611 2761.7364
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## 45 1697.2122 -225.47224 1018.2223 -828.2719 -245.64025 -633.3144 3203.0910
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## 39 -726.0003 -127.3470 -108.0356 -434.1837 -9.332918 4382.937 -522.157797
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## 42 -781.8357 59.8290 -444.7233 -674.6741 33.038614 3069.282 -7.146967
## 47 -661.1870 -168.8658 -160.1522 -497.8061 -543.552708 2536.722 321.276953
## 48 -1023.1051 -563.6424 -387.2609 -864.1441 -80.226610 6110.544 372.703474
## 49 -712.5809 -339.3995 123.2581 -492.1639 867.438555 6266.566 -112.435410
## 41 -682.8335 -348.8029 -177.2736 -554.1866 -73.453308 3384.215 7.797389
## 43 -651.0433 -421.5596 -244.7099 -219.4456 -107.861813 2462.776 -198.392057
## 44 -637.8844 -651.5200 -376.5348 -785.6037 2.990147 3036.917 -306.084099
## 45 -635.5553 -440.5978 -606.4237 -536.9561 435.590610 3156.032 -622.109942
## 46 -636.8136 -333.1210 319.2558 -645.8119 105.546175 2638.568 128.041926
## 70 -497.2674 -393.9232 -286.0858 -452.3351 336.226115 3063.615 -189.481390
## 72 -724.6877 -441.1590 517.7673 -586.3810 808.211292 2859.760 347.189035
## 68 -953.1686 -412.0772 -392.4408 -981.5323 181.377911 4894.110 441.014519
## U46689_at U46692_rna1_at U46751_at U46752_at U46767_at U46901_at
## 39 -1198.0567 -133.7841 844.6600 -507.1378 -335.4810 -599.40339
## 40 -853.8655 1831.6882 744.5687 -367.8863 -708.7627 293.13769
## 42 -1346.6663 2316.9191 6373.4301 -837.6490 -563.0475 4294.94264
## 47 -648.1165 591.4001 2508.4028 -868.1361 -863.7793 -22.91218
## 48 -716.0708 10964.2993 5923.2745 -857.6114 -864.1441 -459.12004
## 49 -1609.5257 738.6801 3885.6250 -913.3569 -623.1047 -712.58093
## 41 -732.4867 350.8559 1851.7368 -509.0473 -689.6044 -41.85581

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## 43	-996.3214	2938.5862	2144.8675	-552.0916	-566.8291	782.70315	
## 44	-735.6064	368.8795	1625.6299	-787.8763	-653.7926	-326.53754	
## 45	-702.7820	2394.1293	1058.5583	-711.7456	-628.8326	-21.55115	
## 46	-702.0513	1583.5170	1498.0331	-821.2787	-501.8391	-468.09546	
## 70	-937.6036	839.4675	1237.1180	-434.3622	-393.9232	-74.90411	
## 72	-1312.4911	1859.3420	5489.8923	-828.4177	-761.5695	-448.07436	
## 68	-1529.1692	831.5603	6643.9294	-1018.6232	-990.2596	-881.16854	
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## 40	-404.7378	-1141.7680	-172.11261	-296.4865	62.81576	-245.81563	
## 42	-795.2308	-1264.0626	-199.14474	-393.3750	1316.74465	19.64342	
## 47	-589.2994	-279.9648	-656.83014	-706.9336	1136.00313	205.82110	
## 48	-983.9092	-1517.4086	-942.53581	-986.0868	1282.91874	-21.43280	
## 49	-690.7575	-1712.0960	-88.42959	-603.4636	-487.79916	-332.85249	
## 41	-648.9791	-958.1831	-565.47142	-533.8739	766.13723	10.05435	
## 43	-661.5700	-1006.8482	-461.56137	-562.6184	900.60300	130.04325	
## 44	-617.4310	-1015.1368	-292.44847	-983.3203	75.71350	293.88356	
## 45	-512.3063	-1231.6323	-178.41352	-1045.6383	823.26475	917.38218	
## 46	-643.5623	-900.0139	-549.08017	-461.3467	-69.92068	357.49858	
## 70	-542.1997	-1013.9885	-405.15626	-728.6686	-182.74155	-292.82560	
## 72	-899.8762	-1360.8984	-330.51368	-484.9561	1368.35333	-298.24212	
## 68	-970.6232	-1655.7147	-1145.16879	-691.3502	3087.56246	537.01461	
##	U47334_at	U47414_at	U47621_at	U47634_at	U47635_at	U47742_at	U47926_at
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## 40	576.43367	-506.07942	-789.3754	698.50429	157.2477	1882.3590	-2793.1762
## 42	-71.89040	151.36282	-1458.2929	870.23820	-257.1906	1111.3517	-2395.9565
## 47	18.47765	-273.42959	-238.5750	384.45091	-621.9755	310.3849	-1604.4395
## 48	-232.65500	1137.02299	-239.1876	135.35069	-877.2094	579.5706	-1386.7557
## 49	326.21641	-380.86413	-2589.3997	1220.97883	145.0816	1002.7441	-2292.6004
## 41	-145.67615	-66.68242	-725.7158	301.20268	-109.5647	894.7842	-838.5640
## 43	-112.07252	-42.59582	-996.3214	54.25048	-152.0743	641.6444	-2286.9037
## 44	-251.54159	-224.27033	-424.2595	293.88356	-319.7197	1098.3856	-919.6874
## 45	-115.66858	-147.04105	-469.7294	-93.25967	-164.9682	386.2910	-1496.0574
## 46	-438.85099	-308.37564	-810.0309	319.25581	-479.3433	406.9892	-1163.2142
## 70	-211.94752	-140.05590	-710.6957	145.26399	-515.2403	482.2560	-944.3434
## 72	-328.20857	75.18590	-335.1239	298.78170	1103.2655	1644.9667	-1570.6636
## 68	-263.71342	-263.71342	-259.3498	-296.44072	-220.0770	648.2874	-1212.8052
##	U47927_at	U47928_at	U47931_at	U48213_at	U48231_at	U48250_at	U48251_at
## 39	327.54368	-871.9087	2451.7974	-2978.997	-453.4951	-798.9545	778.142943
## 40	-354.06694	-519.8987	1937.6363	-1890.314	-736.4014	-800.8915	1315.767072
## 42	-248.26045	-1230.5746	1147.0722	-2411.584	-719.3247	-795.2308	1912.830752
## 47	-247.28864	-959.6294	347.4179	-1434.523	-761.3939	-497.8061	462.873749
## 48	333.50760	-1378.0455	490.2911	-1658.949	-1155.9356	-1214.7294	877.894721
## 49	647.02147	-1288.7206	2122.2883	-4193.425	-426.6934	-1039.9330	2163.752886
## 41	-21.54314	-919.8147	1052.7716	-2021.213	-712.1741	-655.7500	1921.702691
## 43	-838.41983	-1011.0589	-76.2815	-2802.716	-552.0916	-581.5666	671.119356
## 44	789.31139	-624.2488	1057.4788	-1876.454	-665.1557	-631.0666	1523.362726
## 45	379.56833	-1068.0473	471.4449	-1980.090	-458.5249	-790.1768	173.406363
## 46	-121.66091	-697.5521	1108.8566	-2238.511	-603.0700	-711.0496	-2.433428
## 70	214.90900	-892.6713	585.6002	-2188.967	-463.5682	-676.9965	652.998586
## 72	22.16834	-934.4528	978.7895	-2441.996	-141.4946	-1075.0646	1857.036927
## 68	615.56014	-1302.2598	417.0145	-1009.896	-931.3504	-1306.6235	685.378385
##	U48263_at	U48296_at	U48405_at	U48408_at	U48437_at	U48697_at	
## 39	503.49196	379.04074	136.57542	1726.54711	316.81512	-1223.8052	

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## 44 57.53266 -174.27302 -10.64548 1068.84178 -340.17317 -1862.8184
## 45 97.21607 310.10071 -395.77995 518.50358 -942.55736 -1525.1890
## 46 -135.15836 175.28300 -186.89858 110.04533 -506.33824 -1124.9714
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## 47 -794.0701 -417.2048 -462.9515 -922.5964 1830.9166 -693.8632 -656.8301
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## 39 1057.0853 224.549558 93.66120 -820.4116 -944.8628 -339.77238 -221.7583
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## 44 1155.2008 21.170985 -235.63335 -721.9708 -812.8750 471.14673 -535.6172
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## 39 -174.55265 -268.9639 228.840980 -277.54677 -522.1578 844.6600
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## 42 -355.42199 -1176.9939 -4.914434 -810.85857 -739.4175 1508.7424
## 47 -735.25299 -114.4055 14.120827 -401.95591 -617.6187 1447.5161
## 48 -313.22430 -1084.0765 266.003598 -184.74894 -1014.3949 684.0929
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## 41 -536.13089 -346.5459 -700.889244 -184.04453 -721.2019 2307.6435
## 43 -451.03460 -1057.3767 -36.279760 -491.03633 -522.6167 782.7031
## 44 -360.62661 -296.9937 -210.634700 -603.79532 -828.7832 407.5138
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##	46	-600.82039	-819.0292	49.306799	-645.81189	-558.0785	618.4493
##	70	-254.63317	-1137.5522	-83.890566	-355.73077	-521.9802	747.3563
##	72	-30.84922	-542.5839	-574.855479	-365.09035	-851.4688	916.5515
##	68	-357.53169	-632.4410	936.287712	-551.71369	-902.9867	18997.3956
##		U49436_at	U49742_at	U49785_at	U49837_at	U49844_at	U49857_at
##	39	-294.71245	-376.24946	741.6659	829.640002	-221.75829	16.415612
##	40	-331.03475	-222.78344	1688.8886	373.750367	-86.89350	-128.351447
##	42	501.87038	-1121.18055	296.4774	-138.866368	-377.74732	-368.817188
##	47	-40.33948	-517.41176	667.6445	1.050353	-127.47597	-210.255634
##	48	324.79741	-1473.85764	1707.5407	168.013917	43.89365	-517.913854
##	49	-455.06394	-1125.04458	839.0680	-99.341325	-252.10564	801.968134
##	41	-452.62323	-696.37532	869.9576	120.645579	-71.19634	-398.456095
##	43	165.83427	-1931.09882	586.9052	706.910383	-364.71506	-314.186555
##	44	75.71350	-585.61448	830.2183	-140.183952	-596.97751	-147.001767
##	45	-77.57343	-610.90549	966.6818	-10.346699	-536.95608	-534.715193
##	46	568.95864	-29.42833	269.7652	71.802549	-456.84759	-117.161756
##	70	107.07156	-459.07498	223.8955	309.266756	-243.40011	-389.429971
##	72	-245.22456	-952.89373	898.1106	206.577247	-411.19258	3.727454
##	68	-19.34955	-601.89555	1730.4703	-800.441193	109.37784	-630.259215
##		U49869_rna1_at	U49928_at	U49973_xpt1_at	U49973_xpt2_at	U50062_at	
##	39	30592.79	-773.2060	2953.8937	-1105.7911	173.05250	
##	40	32429.96	-1150.9808	2858.9240	-259.6349	-112.22891	
##	42	51401.37	-1060.9022	1298.8844	-777.3706	26.34102	
##	47	28483.79	-114.4055	587.0432	-881.2066	-388.88544	
##	48	46027.18	-842.3686	618.7665	-1184.2437	-406.85888	
##	49	25798.57	-494.3462	3623.7433	-819.5160	114.52872	
##	41	33900.62	-529.3600	459.1901	-676.0626	-204.35721	
##	43	47700.53	-823.6823	854.2852	-667.8861	-219.44560	
##	44	37587.33	-751.5146	973.3924	-933.3230	-217.45251	
##	45	19368.88	-861.8853	399.7364	-1612.5838	303.37804	
##	46	33518.48	-531.0836	1228.0841	-879.7677	-267.88328	
##	70	27246.16	-825.2729	158.7437	-679.2431	-355.73077	
##	72	37708.43	-918.3171	2188.9730	-634.7884	49.82968	
##	68	21041.76	-1238.9871	129.0142	-1040.4414	-396.80445	
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##	39	-449.20363	1778.0442	-959.8828	818.91145	-1374.0050	-1088.6254
##	40	62.81576	1744.1659	-1123.3422	-280.36392	-600.5114	-874.5945
##	42	-152.26156	-585.3728	-906.8575	1912.83075	-1467.2230	-458.1185
##	47	-234.21817	1850.5223	-735.2530	-96.97820	-885.5634	-293.0353
##	48	-435.16701	657.9623	-1689.4349	-267.49578	-1547.8943	-1212.5518
##	49	-653.65755	2340.5230	-2421.3589	-359.04066	-1677.1785	-1266.8972
##	41	-41.85581	310.2305	-1145.5111	-314.94843	-579.0132	-926.5856
##	43	-32.06905	793.2299	-990.0054	464.79461	-1263.7014	-2449.0160
##	44	-290.17587	-160.6374	-1078.7697	-494.71029	-896.9613	-1119.6766
##	45	-120.15036	484.8902	-1332.4724	-39.47828	-619.8691	-1578.9704
##	46	-128.40963	717.4306	-1147.4671	-441.10056	-792.0343	-693.0530
##	70	-77.15073	983.2507	-809.5467	10.46719	-638.8040	-975.7960
##	72	-201.42745	1568.8980	-1176.4895	218.10280	-1047.4033	-899.8762
##	68	355.92353	1305.0153	-1230.2598	702.83295	-1302.2598	-1273.8962
##		U50523_at	U50531_at	U50534_at	U50535_at	U50553_at	U50708_at
##	39	1544.162	-427.7465	-721.7089	1001.29686	63.62125	-747.4574
##	40	4761.383	-506.0794	-542.9309	2064.31335	-151.38364	-789.3754
##	42	1903.901	-685.8368	-842.1140	372.38351	1171.63005	-833.1839
##	47	3205.495	-604.5483	-393.2423	462.87375	480.30105	-826.7463
							-86.08614

## 48	3066.331	-755.2666	-968.6664	986.77214	-352.42017	-1029.6377	479.40335
## 49	2543.481	-673.2987	-692.9398	531.35706	-326.30545	-869.7099	406.96326
## 41	4530.753	-542.9018	-635.4373	14.56828	-249.49648	-579.0132	964.75004
## 43	1612.213	-314.1866	-571.0398	753.22818	-11.01551	-606.8308	317.41980
## 44	2516.491	-521.9816	-721.9708	84.80392	196.16155	-487.8925	755.22232
## 45	2288.807	-445.0796	-828.2719	-79.81432	274.24646	-584.0148	720.18377
## 46	1599.264	-508.5878	-621.0666	227.02323	890.64787	-636.8136	370.99603
## 70	4090.317	-407.4029	-539.9531	347.45918	-56.93121	-596.1184	857.44039
## 72	3878.620	-561.0248	-761.5695	1248.48755	250.37436	-992.0806	925.77197
## 68	5956.656	-595.3501	-1007.7141	-516.80456	451.92362	-940.0777	1440.28819
##	U50743_at	U50839_at	U50928_at	U50929_at	U50939_at	U50950_at	
## 39	400.49784	-60.829977	130.13828	-824.7030	31.435587	-685.2318	
## 40	1232.85118	-112.228912	569.52401	-605.1178	-188.235150	-266.5446	
## 42	-634.48852	-585.372814	-330.86414	-558.5824	220.571321	-411.2353	
## 47	462.87375	-201.541986	118.68461	-789.7133	-9.841708	-371.4581	
## 48	-1016.57246	-740.023799	607.87871	-685.5851	477.225801	-247.8978	
## 49	-725.67502	-177.905830	123.25811	-1140.3210	160.358010	-450.6993	
## 41	-80.22420	7.797389	-59.91153	-746.0285	339.571067	-373.6295	
## 43	195.30924	-371.031127	-67.86008	-827.8931	443.741069	-126.8100	
## 44	843.85391	-126.548324	-321.99233	-806.0571	257.521879	-394.7157	
## 45	563.32140	-26.032936	-510.06539	-953.7618	594.693871	-263.5674	
## 46	-103.66431	-99.165155	-288.12946	-490.5912	116.794050	-324.1227	
## 70	37.42655	-216.440749	-362.47061	-551.1861	221.648839	-387.1834	
## 72	-724.68771	-376.615908	268.81525	-1081.9800	849.703296	-549.4993	
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## 39	917.6141	-329.0438	-419.1637	2653.4942	-386.9780	-522.15780	23031.310
## 40	6470.3719	-1178.6195	-319.5187	1108.4773	-446.1957	-68.46774	6322.966
## 42	3913.1796	-594.3029	-545.1872	1267.6289	-565.2800	-571.97762	23427.744
## 47	4980.9007	-521.7686	-334.4251	1423.5535	-114.4055	-757.03711	13289.365
## 48	10230.4654	-933.8256	-805.3503	2831.1557	-602.8382	-835.83593	15376.012
## 49	1954.2475	-684.2104	-448.5169	7108.9520	-557.6343	-594.73418	7305.363
## 41	2851.5718	-567.7284	-323.9763	684.8865	-172.7597	-479.70679	13093.673
## 43	2296.4530	-415.2436	-617.3576	970.0797	-331.0294	-274.18482	14416.979
## 44	2898.2886	-558.3432	-524.2542	1246.1049	-210.6347	-446.98559	21606.371
## 45	3485.4433	-601.9419	-510.0654	1031.6676	-458.5249	-653.48242	24921.807
## 46	2917.5150	-603.0700	-519.8357	868.1521	-438.8510	-396.10906	14579.312
## 70	2418.8366	-609.5981	-445.5953	1529.1778	-438.8555	-452.33514	5862.895
## 72	5685.8268	-816.8922	-547.1941	2703.0128	-561.0248	-367.39546	25323.070
## 68	6600.2930	-1064.4414	-809.1685	297.0144	-377.1681	-451.34996	19689.033
##	U51241_at	U51269_at	U51334_at	U51336_at	U51432_at	U51477_at	U51478_at
## 39	-251.79824	1001.29686	1649.3015	1591.3673	-444.91221	668.71169	3089.073
## 40	353.02139	534.97572	1138.4192	997.9228	415.20831	1283.52200	2144.926
## 42	-80.82053	321.03527	1138.1421	2754.4954	1115.81675	155.82789	4277.082
## 47	-136.18962	728.64004	983.5143	1120.7542	-367.10132	1281.95675	3575.825
## 48	-665.98715	-112.88984	1169.6862	2182.2463	620.94400	-47.56338	5568.334
## 49	-293.57024	-433.24047	2632.9576	2397.2641	20.68778	941.63836	3857.254
## 41	-265.29523	-41.85581	1088.8830	1820.1393	400.50909	608.14976	6221.219
## 43	-143.65284	-143.65284	767.9657	1330.0953	231.10026	944.81544	2317.507
## 44	-417.44173	225.70541	1102.9308	1648.3560	159.79987	1071.11438	5836.767
## 45	-337.51679	112.90231	917.3822	872.5644	314.58250	1322.98345	2479.283
## 46	-339.86969	13.31360	913.1436	951.3864	-112.66261	472.22691	2676.810
## 70	-27.72523	-407.40288	711.4105	823.7412	-569.15903	304.77353	2542.400
## 72	-484.95614	702.17617	1250.7927	1762.5274	503.93660	842.78796	8018.599

## 68	-667.35016	181.37791	803.1967	2531.1983	1765.37940	1492.65187	6633.020
##	U51561_at	U51586_at	U51587_at	U51678_at	U51711_at	U51903_at	U51920_at
## 39	-522.1578	1529.14172	12.12419	286.7752	-788.2259	42.16414	-552.19775
## 40	-390.9185	-1282.26433	-577.47922	233.2540	-478.4408	1295.03810	23.66103
## 42	-609.9307	669.31030	-685.83676	879.1683	-866.6719	305.40755	-489.37393
## 47	-643.7597	-51.23154	-247.28864	1351.6659	-310.4626	1373.45007	-218.96928
## 48	-986.0868	-548.39953	-648.56676	2271.5257	-1149.4029	1910.05270	398.83406
## 49	-756.2279	548.81584	-186.63522	230.1931	-747.4985	232.37547	-383.04648
## 41	-635.4373	702.94224	-109.56473	1413.8858	-653.4930	707.45617	-96.02295
## 43	-440.5078	-335.24010	10.03804	1113.2438	-288.9223	28.98623	-219.44560
## 44	-565.1610	1746.07799	-821.96538	1618.8121	-467.4390	-356.08140	-326.53754
## 45	-644.5189	767.24248	-545.91965	1266.9612	-772.2496	803.09673	-395.77995
## 46	-519.8357	1196.59008	-450.09886	665.6904	-587.3229	76.30170	-148.65581
## 70	-490.5276	-634.31082	-564.66581	601.3265	-620.8311	-115.34315	-326.52480
## 72	-773.0950	1591.94913	-265.97057	448.6139	-837.6382	10.64279	-413.49769
## 68	-966.2595	1894.10679	-1022.98686	3120.2898	-1038.2596	1730.47028	-470.98634
##	U51990_at	U52100_at	U52101_at	U52111_rna3_at	U52111_rna4_at		
## 39	-9.332918	-391.2694	27.14417	-1058.58549	-2208.686		
## 40	-158.293298	168.7638	7064.60252	-3216.96857	-3500.265		
## 42	209.408660	-703.6970	9793.66952	-33.93735	-3632.779		
## 47	-136.189618	-493.4492	2458.29936	-521.76859	-2190.432		
## 48	202.854692	-840.1910	5270.01000	-1016.57246	-4032.477		
## 49	-295.752588	-559.8166	8243.77263	-1227.61491	-4721.553		
## 41	-197.586317	-511.3043	4456.27304	-314.94843	-2400.383		
## 43	14.248749	-476.2989	-86.80827	100.56828	-3105.887		
## 44	-181.090838	-626.5214	-631.06658	-756.05984	-2446.878		
## 45	61.361813	-752.0816	3156.03228	-97.74145	-2867.483		
## 46	-303.876485	-564.8272	3950.06994	-249.88668	-1988.808		
## 70	-182.741550	-501.7606	4256.56627	-407.40288	-2741.634		
## 72	593.835943	-261.3603	13129.03111	-660.14460	-3122.003		
## 68	-119.713281	-857.1685	13924.66355	-508.07728	-3361.898		
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## 39	2067.7151	1305.9878	-1230.2424	-923.4057	-444.91221	-532.8864	
## 40	2801.3435	1493.1150	-969.0265	-577.4792	-245.81563	-577.4792	
## 42	2332.5468	1010.8877	-1152.4360	-574.2102	-728.25488	-549.6523	
## 47	953.0165	811.4197	-857.2441	-630.6892	-421.56162	-621.9755	
## 48	1896.9874	1500.6736	-1306.1864	-905.5175	-942.53581	-1053.5908	
## 49	3652.1138	2515.1108	-2021.9893	-631.8341	51.24064	-529.2638	
## 41	576.5523	646.5181	-1314.7834	-682.8335	-330.74718	-635.4373	
## 43	1193.2473	951.1315	-855.2627	-284.7116	-737.36281	-651.0433	
## 44	525.6892	843.8539	-808.3297	-846.9640	-660.61044	-690.1543	
## 45	1089.9308	856.8781	-1054.6019	-566.0877	-660.20509	-635.5553	
## 46	1239.3320	631.9467	-1106.9748	-663.8085	-627.81529	-515.3365	
## 70	1183.1993	909.1125	-1002.7554	-551.1861	-414.14272	-569.1590	
## 72	879.6697	1425.9811	-1349.3729	-657.8395	-468.82036	-763.8746	
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##	U52426_at	U52427_rna1_at	U52513_at	U52518_at	U52521_at	U52522_at	
## 39	711.62591	2170.7092	276.04662	1.395636	-9.332918	1803.79270	
## 40	617.89162	1159.1482	95.06083	1564.514760	95.060828	1311.16063	
## 42	345.59313	814.4249	220.57132	-1206.016774	-505.001654	245.12918	
## 47	-22.91218	1717.6392	321.27695	-665.543793	-621.975549	667.64450	
## 48	11.23043	3508.3733	-226.12236	-1362.802663	-546.221984	505.53393	
## 49	2419.08753	1138.0496	559.72758	-1997.983528	99.252284	1373.74314	
## 41	682.62956	2050.3496	-906.27295	-894.988131	-353.316819	402.76605	

## 43	277.41806	656.3819	-202.60277	-558.407678	-581.566578	-11.01551
## 44	441.60286	3427.8055	-290.17587	-185.636047	-276.540238	1409.73249
## 45	722.42466	2566.6780	-306.14431	-454.043117	-77.573429	359.40032
## 46	314.75666	1536.2759	-267.88328	-99.165155	-193.647307	620.69886
## 70	131.78431	1378.6547	-101.86347	-490.527568	-292.825600	1598.82277
## 72	213.49258	1135.5371	-17.01855	-929.842617	-355.869907	393.29126
## 68	729.01479	3523.9265	-682.62290	-2342.988097	-492.804540	1270.10621
##	U52682_at	U52700_at	U52827_at	U52830_at	U52840_at	U52960_at
## 39	-839.7230	-732.4375	-584.3834	535.67762	-2223.706	-783.9345
## 40	-934.4782	-782.4657	-595.9050	1186.78679	-2857.666	-641.9694
## 42	-886.7647	-630.0235	-884.5321	640.28738	-1853.451	-741.6501
## 47	-513.0549	-580.5857	-595.8346	297.31442	-1001.019	-743.9666
## 48	-1121.0948	-1234.3273	-1101.4968	-71.51642	-2131.477	-1108.0295
## 49	-924.2686	-625.2870	-596.9165	376.41040	-2938.575	-1026.8390
## 41	-328.4902	-486.4777	-585.7841	-310.43451	-1438.916	-743.7716
## 43	-173.1278	-1061.5874	-526.8274	353.21083	-1208.962	-667.8861
## 44	-458.3486	-528.7994	-537.8898	-137.91135	-1119.677	-721.9708
## 45	-514.5472	-689.3367	-422.6706	207.01973	-1742.555	-673.6504
## 46	-515.3365	-346.6184	-623.3161	-47.42493	-1689.615	-652.5606
## 70	-715.1889	-418.6359	-477.0479	-104.11009	-1555.422	-683.7363
## 72	-284.4115	-929.8426	-745.4337	-17.01855	-2769.321	-962.1142
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## 47	92.54367	-393.24226	2883.090	-604.5483	1103.32695	-467.30828
## 48	2619.93350	-1264.81298	3634.671	-746.5564	2047.23825	-589.77295
## 49	-1096.67407	-1332.36758	2113.559	-1598.6140	-55.69438	-1655.35499
## 41	66.47845	-452.62323	1276.211	-348.8029	1788.54183	-1037.17685
## 43	-168.91709	-305.76514	2195.396	-512.0899	869.02268	-36.27976
## 44	-74.27841	-321.99233	1634.720	-496.9829	680.22636	-1162.85609
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## 70	-241.15350	-342.25109	1544.904	-647.7905	1378.65467	-915.13748
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##	U53445_at	U53446_at	U53468_at	U53476_at	U53506_at	U53786_at
## 39	-620.8605	-144.512698	-659.4833	-144.51270	-1146.5596	89.36978
## 40	-618.9372	440.543727	-529.1116	-314.91221	-1123.3422	251.67974
## 42	-690.3018	-400.072639	-482.6763	-451.42088	-1067.5998	-761.74286
## 47	-635.0460	-452.059394	-297.3921	-1146.97290	-715.6473	-1064.19323
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## 45	-319.5897	-8.105808	-272.5309	-279.25362	-841.7173	-1184.57358
## 46	-616.5674	-40.676204	-497.3399	-519.83569	-722.2974	92.04872
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## 39	121.5554	-309.7324	2005.4895	-371.9580	-912.6772	-610.13194
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## 48 -959.9562 -835.83593 -816.237995 -829.3033 -903.3399 -748.7340 -798.8176
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## 39 -798.9545 415.51782 1441.1676 31.43559 451.9949 -232.4868 1748.0042
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## 49 -623.1047 -60.05907 1354.1020 1164.23780 2309.9702 -199.7293 882.7150
## 41 -648.9791 -3.48743 371.1686 1282.98194 5113.0495 -608.3537 1269.4402
## 43 -533.1434 151.09679 191.0985 561.64092 3677.5656 -349.9776 1315.3578
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## 46 -564.8272 -315.12436 870.4017 1439.54418 1111.1062 -184.6490 1725.2402
## 70 -539.9531 -151.28896 430.5839 369.92531 2490.7282 -497.2674 176.7166
## 72 -906.7915 -468.82036 1956.1567 759.80396 4311.9804 -427.3284 743.6682
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## 39 -401.99799 -919.1143 -614.4234 -805.3916 -479.2436 -788.2259 42.164141
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## 46	438.48328	-693.0530	-1842.5858	-636.8136	-850.5232	-634.5640	-227.390933
## 70	37.42655	-665.7634	-2373.1895	-602.8582	-236.6603	-519.7335	-32.218461
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## 49	-690.7575	-716.94563	-1371.6498	4887.322	-1382.5616	1168.602490	
## 41	-922.0717	583.32316	-946.8983	1438.712	-944.6413	-536.130887	
## 43	-747.8896	677.43542	-777.3645	1683.795	-1198.4354	-320.502619	
## 44	-646.9748	432.51245	-1637.8305	2696.027	-1106.0410	-285.630657	
## 45	-926.8711	1325.22434	-2871.9645	3151.551	-568.3286	-427.152425	
## 46	-938.2567	1383.30481	-814.5300	1408.050	-989.9969	-1097.976480	
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## 40	-598.2082	19.054590	-185.9319	1371.044	-107.62247	-478.4408	422.1180
## 42	-554.1174	-413.467832	-328.6316	2535.707	-355.42199	-701.4645	419.2667
## 47	-669.9006	-375.814965	-397.5991	2192.533	-467.30828	-630.6892	279.8871
## 48	-1094.9642	-541.866887	-609.3709	4830.145	-748.73399	-803.1727	808.2132
## 49	-594.7342	-553.269576	-404.8700	2897.022	-199.72930	-695.1222	2048.0885
## 41	-737.0007	-308.177543	-292.3788	1246.871	-560.95749	-542.9018	745.8246
## 43	-375.2418	-406.822153	-516.3006	1456.417	-526.82736	-512.0899	738.4907
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## 45	-422.6706	-169.449960	-498.8609	2217.099	-496.62005	-559.3650	1112.3397
## 46	-531.0836	-294.878185	-353.3671	1471.038	-587.32294	-679.5555	321.5054
## 70	-472.5547	-265.866241	-355.7308	1529.178	-389.42997	-569.1590	547.4078
## 72	-634.7884	-385.836353	-639.3986	2624.639	-487.26125	-761.5695	1073.2991
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## 40	-559.0535	-344.8541	-605.1178	-789.3754	974.890611	-91.49994	265.49906
## 42	-703.6970	-694.7669	-701.4645	-603.2331	966.237086	285.31476	209.40866
## 47	-493.4492	-571.8721	-617.6187	-360.5661	650.217202	-288.67848	46.79701
## 48	-1016.5725	-888.0971	-1010.0398	-827.1257	599.168515	381.41367	919.26814
## 49	-572.9107	-712.5809	-596.9165	-461.6110	2107.011855	1262.44343	105.79933
## 41	-572.2423	-703.1462	-676.0626	-585.7841	188.354493	-217.89899	488.53068
## 43	-457.3507	-457.3507	-507.8792	-676.3075	287.944835	641.64439	450.05713
## 44	-667.4283	-340.1732	-626.5214	-819.6928	537.052264	984.75540	525.68924
## 45	-646.7597	-371.1302	-666.9278	-458.5249	287.691804	366.12299	384.05012
## 46	-603.0700	-609.8187	-515.3365	-438.8510	139.289801	326.00453	361.99773
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## 72	-616.3475	-685.5008	-740.8235	-715.4673	1220.826212	-302.85235	826.65218
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## 48 -683.4075 -922.9379 -800.9952 -441.69966 -1099.3193 1156.62093 -770.5095
## 49 -542.3578 -806.4219 -258.6527 1314.81976 -1170.8739 2076.45899 -618.7400
## 41 -384.9143 -757.3133 -617.3816 -511.30428 -689.6044 831.58918 -427.7966
## 43 -208.9188 -331.0294 -320.5026 -288.92230 -558.4077 1273.25075 -491.0363
## 44 -326.5375 -485.6199 -299.2663 -97.00446 -542.4350 14.35317 -681.0639
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## 70 -396.1698 -600.6116 -369.2105 -167.01526 -582.6387 329.48628 -557.9260
## 72 -733.9082 -593.2964 -639.3986 794.38062 -934.4528 1896.22382 -777.7053
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## 47 -635.0460 -227.68293 -580.5857 -301.74895 521.6909 -256.00229 -356.2093
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## 49 -662.3869 -84.06489 -330.6701 -252.10564 1696.7306 524.81002 -695.1222
## 41 -585.7841 -179.53061 -509.0473 -389.42824 1621.5265 -504.53339 -509.0473
## 43 -436.2971 -198.39206 -371.0311 -32.06905 797.4406 -411.03286 -411.0329
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## 72 -800.7564 -676.28038 -740.8235 -644.00882 3696.5157 -178.37634 -826.1126
## 68 -1020.8050 -523.35002 -758.9866 -187.34971 3790.1086 -623.71375 -846.2594
##      U60269_cds1_at  U60269_cds2_at  U60269_cds3_at  U60276_at  U60319_at
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## 40 -388.6152 0.6288352 599.46586 -2378.5967 -662.6983
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## 44 -242.4512 -144.7291619 287.06574 -1287.8494 -974.2299
## 45 -198.5815 88.2525048 399.73635 -1919.5858 -839.4764
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## 72 -862.9944 -134.5792233 22.16834 -1164.9640 -899.8762
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## 42 -3134.9246 -891.2297 -891.2297 937.214167 -509.4667 209.4086598
## 47 -1754.7499 -743.9666 -1072.9069 1.050353 -101.3350 -164.5089774
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## 49 -1325.8205 -863.1629 -1843.0369 2331.793632 -522.7167 234.5578205
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## 43 -798.4181 -646.8326 -1046.8499 1622.739595 -227.8670 -0.4887328
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## 45 -2992.9726 -962.7254 -1343.6768 1854.074613 -523.5107 -530.2334114
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## 42 -699.2320 -828.7188 1051.07331 -826.4863 1131.4445 -585.3728 -493.8390
## 47 -218.9693 -393.2423 133.93350 -635.0460 563.0807 -661.1870 -334.4251
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## 47 -661.1870 -706.9336 -517.4118 -517.4118 412.770267 2050.936
## 48 -964.3113 -1382.4006 -905.5175 -1010.0398 461.982961 1522.449
## 49 -354.6760 -1668.4491 -140.8059 -1238.5266 -9.865084 4930.969
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## 43 -844.7359 407.9500 -585.7773 -592.0934 115.305765 1683.795
## 44 -703.7899 -624.2488 -637.8844 -569.7063 30.261404 3993.684
## 45 -469.7294 -471.9702 -664.6869 -653.4824 921.863957 2550.992
## 46 -607.5691 -663.8085 -515.3365 -747.0428 24.561473 2382.116
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## 47	92.54367	-521.7686	1652.2868	-802.7838	-643.75967	-425.9184	6353.300
## 48	-332.82223	-3762.4611	2031.9954	-1341.0272	-1824.44294	-687.7626	10888.085
## 49	810.69752	-5705.7917	3108.7093	-1690.2726	-821.69830	-618.7400	2855.557
## 41	-323.97629	-1919.6497	1540.2758	-770.8551	-883.70331	-493.2486	6196.392
## 43	-712.09856	-1804.7775	1233.2490	-783.6806	-905.79117	-356.2936	4654.450
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## 45	99.45696	-1812.0231	1975.0827	-1256.2821	-523.51074	-413.7071	8529.689
## 46	-157.65411	-1930.3193	951.3864	-675.0564	-132.90878	-645.8119	4359.493
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## 42	-1319.87592	-388.9100	-710.3946	-1094.3902	-469.28114	-1427.0375	
## 47	-765.75076	-96.9782	-517.4118	-748.3235	-521.76859	-985.7704	
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## 44	-1142.4026	-626.5214	205.25197	-299.26629	-133.36614	-778.7859	
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## 70	-1440.8450	-533.2132	-452.33514	158.74367	39.67316	-389.4300	
## 72	-1628.2913	-888.3506	-1012.82662	-344.34435	132.81369	-614.0424	
## 68	-1976.4423	-1012.0778	-82.62234	-588.80463	-263.71342	-828.8049	
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## 48	-698.650378	-352.42017	-1047.0581	187.6119	-814.06045	1515.916	-1460.79234
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## 43	3.721976	-143.65284	-491.0363	833.2317	-168.91709	1805.905	702.69967
## 44	-160.637395	677.95376	-474.2569	1357.4626	-290.17587	1741.533	-744.69682
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## 39 -277.5468 100.0983 -39.37287 -773.2060 -464.22361 -721.7089 2550.5001
## 40 -126.0482 2409.7963 417.51153 -1047.3360 -47.73877 -469.2279 2349.9126
## 42 -433.5606 229.5014 365.68592 -857.7417 -493.83899 -556.3499 1854.7849
## 47 -589.2994 351.7747 81.65161 -720.0041 -698.21998 -580.5857 1822.2030
## 48 -726.9585 1522.4491 671.02762 -1304.0089 -777.04212 -940.3583 1426.6369
## 49 -385.2288 197.4579 -134.25888 -1114.1328 -734.40441 -402.6876 4699.6405
## 41 -461.6511 425.3357 -229.18381 -714.4310 -479.70679 -504.5334 215.4381
## 43 -263.6580 504.7963 313.20909 -585.7773 -320.50262 -522.6167 702.6997
## 44 -474.2569 259.7945 162.07248 -806.0571 -721.97077 -578.7967 1202.9255
## 45 -261.3265 211.5015 388.53190 -729.6727 -512.30628 -740.8772 1443.9916
## 46 -636.8136 182.0317 56.05552 -555.8289 -639.06317 -573.8255 1192.0909
## 70 -342.2511 152.0038 488.99582 -676.9965 -286.08576 -551.1861 1827.9773
## 72 -445.7692 2698.4025 112.06768 -844.5535 -514.92259 -519.5328 1711.8149
## 68 -628.0774 982.1059 351.55989 -1033.8960 -689.16836 -732.8048 661.3784
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## 39 209.529583 368.31218 -1069.3140 243.860956 1544.1617 -674.503263

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## 47 -18.555357 173.14492 -1264.6072 -73.015663 1451.8729 316.920128
## 48 1054.276147 -176.03874 -1931.1428 -330.644685 1239.3678 183.256756
## 49 511.715935 1227.52587 -1303.9971 1264.625774 1631.2601 618.650956
## 41 644.261180 244.77859 -1533.7089 113.874688 741.3106 -111.821692
## 43 540.587377 18.45946 -1213.1729 205.836009 551.1141 104.778993
## 44 421.149421 387.06035 -1246.9425 -651.520022 889.3060 634.774268
## 45 -115.668576 283.21002 -1664.1243 -772.249639 854.6372 -355.443913
## 46 281.013029 -103.66431 -927.0088 1153.848151 951.3864 -4.683003
## 70 158.743667 280.06078 -1058.9207 5.973965 437.3237 131.784308
## 72 1094.045092 -150.71500 -1732.0213 185.831245 1384.4891 -245.224565
## 68 833.742161 390.83265 -2129.1697 -196.076989 2537.7438 227.196136
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## 42 -1482.8508 2153.9442 -2150.3779 1903.9006 -714.8597 193.78093
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## 43 -1476.3422 833.2317 -1775.3026 793.2299 -381.5579 256.36452
## 44 -1671.9196 1943.7946 -665.1557 2752.8419 -585.6145 127.98341
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## 43 -2499.54454 -400.5061 -147.86355 -526.8274 332.1573 -122.5993 -97.33504
## 44 -81.09623 -440.1678 -599.25011 -576.5241 412.0590 1189.2898 -35.64413
## 45 -1000.82052 -534.7152 -185.13620 -507.8245 287.6918 930.8275 -234.43580

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## 70 -863.46537 -495.0208 -465.81482 -369.2105 392.3914 374.4185 -104.11009
## 72 -1886.46380 -650.9242 278.03570 -408.8875 679.1251 2013.7845 116.67791
## 68 -2702.98844 -822.2594 -909.53220 -737.1684 526.1055 2238.8344 -396.80445
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## 42 -243.7954 -379.9798490 6.248227 3091.6078 1354.6977 -1103.320292
## 47 650.2172 -772.2859933 5.407178 2865.6625 759.1378 -160.152153
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## 49 -548.9049 817.2445653 769.232923 2584.9459 6124.7133 -891.533417
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## 43 151.0968 -6.8047964 43.723712 2725.9454 2098.5497 -284.711592
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## 44 -367.44443 775.6758 -444.7130 -342.4458 -467.4390 282.52053
## 45 -586.25569 829.9874 -451.8022 -129.1139 -563.8468 -534.71519
## 46 -265.63371 598.2031 -515.3365 -438.8510 -558.0785 240.52068
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## 72 -1164.96397 2652.3003 -814.5871 -309.7677 -936.7580 40.60923
## 68 -1350.25989 1492.6519 -844.0776 94.1051 -926.9868 100.65056
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## 40 -1279.9611 -881.5042 -432.37640 -823.9237 -310.3058
## 42 -1116.7155 -1223.8770 446.05708 -786.3007 -612.1632
## 47 -1096.8694 -785.3565 412.77027 -534.8391 -772.2860
## 48 -1462.9699 -1578.3800 202.85469 -687.7626 -922.9379
## 49 -1744.8312 -1415.2968 -876.25699 -529.2638 -581.6401
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## 48      -1068.8336  823.45601 -1025.2826 -659.4545 -561.46482 3963.4809
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## 47      -990.1272 -155.7953 -425.91845 -504.3413 -430.2753 184.036982
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## 47      -748.3235  3560.576 -497.8061 -462.9515 -558.8016  347.41790 -648.1165
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## 42     140.20016 -377.74732 1341.30250 1455.1616 1015.35279 -761.7429 -85.28559
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## 43     -305.76514 -522.61665 -76.28150 1132.1920 1010.08143 -501.5631 180.57176
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## 43 -794.20738 -526.8274 -575.25051 306.893026 216.36278 -187.86528
## 44 -1035.59022 -751.5146 -617.43095 223.432808 41.62443 -556.07062
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## 44 -1206.0356 -321.99233 -587.88709 271.15751 -835.6010 1243.8323
## 45 -776.7314 94.97518 471.44487 182.36993 -1007.5432 502.8173
## 46 -596.3212 -337.62011 1529.52718 -148.65581 -499.5895 964.8838
## 70 -742.1483 -405.15626 -508.50047 -77.15073 -546.6929 1677.4542
## 72 -1215.6764 328.74815 -676.28038 769.02440 -634.7884 826.6522
## 68 -1478.9873 -564.80461 2596.65291 925.37861 -1195.3507 2662.1075
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## 48 -1432.48421 -626.7913 -145.553064 1359.1329 -872.85426 -324.11204
## 49 14.14074 -701.6692 5.411348 204.0050 -186.63522 1044.20869
## 41 -770.85512 -398.4561 -39.598851 957.9791 -676.06264 116.13165
## 43 -269.97411 -335.2401 60.566548 995.3440 195.30924 338.47334
## 44 -471.98425 -144.7292 198.434156 796.1292 -637.88439 264.33969
## 45 -478.69292 -133.5957 -156.004614 765.0016 -185.13620 301.13715
## 46 -825.77790 -402.8578 -450.098864 406.9892 -330.87139 -112.66261
## 70 -495.02079 -551.1861 -146.795738 221.6488 767.57586 75.61898
## 72 -1277.91442 -593.2964 -348.954573 1808.6296 190.44147 273.42547
## 68 -1188.80519 -599.7137 -278.986158 1765.3794 -302.98618 397.37811
##      U77845_at U77948_at U77949_at U77968_at U77970_at U77975_at
## 39 63.62125 1207.2851 -798.9545 -1498.4562 -1047.8569 -221.75829
## 40 -1201.65165 1156.8449 -750.2207 -584.3889 -1268.4450 -142.17076
## 42 -574.21015 1886.0404 -833.1839 1412.7435 -1482.8508 -290.67856
## 47 -685.14950 1268.8863 -554.4448 -940.0237 -940.0237 -521.76859
## 48 -304.51410 2097.3219 -842.3686 -707.3606 -1419.4189 -694.29528
## 49 166.90505 1432.6665 -1046.4801 -1934.6955 -1135.9563 -97.15898
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## 44	159.79987	2627.8486	-531.0720	-296.9937	-1115.1314	-328.81015
## 45	-218.74956	1858.5564	-613.1464	-729.6727	-913.4258	-86.53699
## 46	-346.61841	1331.5646	-627.8153	523.9671	-1061.9833	-427.60311
## 70	-160.27542	576.6137	-596.1184	-135.5627	-1142.0454	-286.08576
## 72	-321.29324	1543.5418	-964.4193	-254.4450	-1045.0982	-450.37947
## 68	-1022.98686	3864.2905	-1062.2596	327.5599	-1537.8964	-761.16843
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## 39	11764.18	-294.71245	2514.0230	27.14417	-1110.0826	37.87272
## 40	22182.93	528.06606	438.2405	-418.55708	-1164.8001	-1201.65165
## 42	39017.52	-31.70482	1082.3288	-299.60869	-900.1599	-1665.91841
## 47	15679.08	865.88001	4170.5314	-343.13878	-857.2441	-526.12541
## 48	35601.08	1979.73425	4436.0089	-659.45450	-1208.1967	-942.53581
## 49	14563.85	278.20477	1469.7664	-234.64686	-1042.1154	-282.65850
## 41	18386.25	739.05366	1583.1581	-229.18381	-888.2172	-509.04732
## 43	19061.39	220.57349	2029.0730	-42.59582	-693.1504	-636.30580
## 44	17652.04	243.88625	2439.2224	-326.53754	-1021.9546	-410.62392
## 45	38295.44	1618.78106	2427.7427	-440.59777	-1224.9096	-1097.17883
## 46	25496.50	841.15722	1437.2946	-326.37224	-848.2736	-317.37394
## 70	18729.25	524.94163	639.5189	-202.96107	-638.8040	-721.92873
## 72	22236.53	-164.54567	2244.2956	-60.81566	-1377.0342	-429.63347
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##	U78313_at	U78521_at	U78524_at	U78525_at	U78551_at	U78556_at
## 39	-434.1837	3404.493	-127.34701	-386.97802	-1777.3986	441.26635
## 40	-644.2726	4471.178	-333.33797	364.53749	-4338.6364	887.36828
## 42	-692.5344	1406.046	-136.63384	1968.64406	-2226.2840	305.40755
## 47	-822.3895	3401.552	22.83448	205.82110	-1759.1067	-68.65884
## 48	-1010.0398	5402.840	-199.99178	1605.19591	-2582.2298	-193.45913
## 49	-655.8399	4902.599	-81.88255	40.32891	-1989.2541	1227.52587
## 41	-529.3600	3172.061	28.11006	1971.35589	-1393.7771	-380.40038
## 43	-762.6271	3997.579	100.56828	656.38187	-1385.8120	140.57002
## 44	-256.0868	4534.564	57.53266	357.51649	-896.9613	-133.36614
## 45	-855.1626	4581.239	-451.80223	1417.10087	-1141.9967	-178.41352
## 46	-531.0836	3232.456	202.27790	1075.11302	-900.0139	-272.38243
## 70	-602.8582	4674.436	57.64607	223.89545	-679.2431	-146.79574
## 72	-964.4193	3834.822	-3.18788	769.02440	-2015.5500	142.03413
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##	U78628_at	U78678_at	U78722_at	U78735_at	U78793_at	U78798_at
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## 40	242.46686	2610.1763	-337.9444	-188.23515	256.28618	-135.26111
## 42	64.29406	1557.8581	-513.9318	-440.25822	249.59424	-411.23530
## 47	-635.04602	1584.7561	-247.2886	-310.46260	-136.18962	-181.93628
## 48	-637.67902	2572.0274	-800.9952	-903.33993	-8.36751	-507.02611
## 49	348.03988	4625.4407	-337.2172	-616.55765	1952.06519	27.23482
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## 43	64.77726	1517.4719	-371.0311	-21.54228	-345.76687	-238.39379
## 44	-537.88978	1189.2898	-494.7103	-471.98425	-112.91270	-126.54832
## 45	-411.46619	388.5319	-268.0492	-523.51074	-209.78600	-77.57343
## 46	-497.33994	438.4833	-492.8408	-531.08357	-369.11416	-596.32124
## 70	-304.05867	902.3727	-504.0072	-348.99093	-243.40011	118.30463
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## 68	-706.62292	1054.1060	-702.2593	-905.16856	-322.62256	-551.71369
##	U79241_at	U79242_at	U79245_at	U79246_at	U79247_at	U79248_at
## 39	-747.45743	-189.5726	-839.7230	-644.4633	-638.0262	-474.9522

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## 47 -497.80605 -343.1388 -894.2771 -652.4733 -321.3547 -347.4956 -517.4118
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## 49 -900.26281 -278.2938 -1077.0329 -734.4044 -461.6110 -900.2628 -826.0630
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## 44 -558.34323 -531.0720 -946.9586 -606.0679 -610.6131 -487.8925 -808.3297
## 45 -534.71519 -424.9115 -1128.5513 -559.3650 -400.2617 -463.0067 -530.2334
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## 40 -282.66714  131.91234 -706.4595 1295.03810 -998.9684 -1238.50316 -354.0669
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## 47 -521.76859 -81.72931 -913.8828 1103.32695 -1534.7303 -467.30828 -576.2289
## 48 -755.26664  270.35870 -1358.4476 1888.27721 -2124.9446 -517.91385 -909.8726
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## 43 -208.91883 -617.35760 -320.5026  10.03804 -2720.6068 -486.82562 -375.2418
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## 46 -409.60651 -191.39773 -1822.3396 -162.15326 -1102.4756 -456.84759 -456.8476
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## 47 -604.5483 -40.33948  388.8077  828.8470 -730.8962 127.39826  438.91121
## 48 -892.4522 -280.56107 1049.9211 1350.4227 -807.5278 -132.48777  26.47327
## 49 -479.0698 1212.24944 2078.6413 1358.4667 -629.6517 -33.87090  526.99237
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## 43 -375.2418  115.30577  645.8551 1189.0366 -457.3507 -339.45081  151.09679
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## 40 -455.40859 -420.8603 -874.5945 -337.9444 1039.3808 1276.6123  583.343326
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## 45 -575.05123 -232.1949 -514.5472 -487.6565 1567.2406 1840.6293  462.481302

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## 72 -346.64946 -542.5839 -1019.7420 -786.9257 2631.5543 -284.4115 105.152350
## 68 50.46870 -309.5316 -1306.6235 -710.9866 1320.2881 1038.8333 -595.350091
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## 39 -361.2295 -90.86993 -376.2495 -401.99799 -985.6313 917.61414 59.32983
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## 49 -832.6100 -228.09982 -535.8108 273.84007 -1530.9612 -90.61194 522.62767
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## 44 -721.9708 -451.53080 -399.2609 641.59208 -787.8763 1793.80269 34.80661
## 45 -720.7091 -727.43182 -420.4298 -39.47828 -895.4986 1199.73444 -317.34877
## 46 -438.8510 -463.59631 -519.8357 460.97903 -607.5691 935.63937 -117.16176
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## 48 -986.0868 -796.6401 209.387338 -1014.3949 1115.24750 -842.3686 -635.5015
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## 42	-1853.4511	356.7558	943.91176	-1136.8083	-1076.5299	-1384.61935
## 47	-1260.2503	499.9068	-123.11914	-1329.9595	-689.5063	251.56776
## 48	-1545.7167	279.0689	211.56489	-1099.3193	-1240.8599	202.85469
## 49	-1605.1610	897.9914	219.28139	-2340.6121	-1393.4733	208.36965
## 41	-813.7374	470.4750	-64.42545	-752.7994	-752.7994	-1438.91641
## 43	-1101.5891	443.7411	313.20909	-1057.3767	-516.3006	35.30229
## 44	-892.4161	752.9497	50.71485	-815.1476	-1042.4080	-1433.29606
## 45	-994.0978	789.6514	1343.15147	-525.7516	-810.3448	251.83755
## 46	-731.2957	413.7380	1036.87025	222.5241	-733.5453	-627.81529
## 70	-654.5303	769.8225	1360.68177	-1079.1402	-899.4112	-587.13194
## 72	-1353.9831	148.9495	656.07395	-1418.5262	-1220.2866	646.85350
## 68	-1234.6234	995.1969	801.01486	100.6506	-1217.1689	-340.07712
##	U80628_at	U80669_at	U80811_at	U81001_at	U81006_at	U81262_at
## 39	-552.1977	-1255.99089	-1011.3799	-324.75240	-329.043826	-779.6431
## 40	-404.7378	-1005.87801	-1238.5032	233.25399	-50.041990	-888.4138
## 42	-1014.0190	-540.72217	-770.6730	-324.16654	-475.978735	-828.7188
## 47	-393.2423	-452.05939	-826.7463	-164.50898	5.407178	-626.3324
## 48	-1075.3663	-1373.69041	-1395.4659	-30.14299	305.199471	-1301.8313
## 49	-308.8467	457.15725	-1288.7206	-389.59352	-710.398586	-1144.6857
## 41	-621.8955	-915.30080	-784.3969	-802.45262	-366.858602	-700.8892
## 43	-101.5457	-758.41636	-585.7773	-526.82736	-238.393793	-575.2505
## 44	-460.6212	-785.60370	-792.4215	-690.15430	-467.439037	-644.7022
## 45	-610.9055	-173.93174	-810.3448	-743.11806	-510.065392	-814.8266
## 46	-578.3246	-492.84079	-744.7932	-103.66431	-279.131159	-580.5742
## 70	-521.9802	82.35882	-1027.4681	-874.69844	-539.953060	-542.1997
## 72	-445.7692	-1243.33775	-844.5535	483.19060	-466.515248	-998.9960

##	68	-961.8959	-907.35038	-1097.1687	-955.35043	2003.197805	-1005.5323
##		U81375_at	U81523_at	U81554_at	U81556_at	U81599_at	U81600_at
##	39	31.435587	-1326.7993	-350.500934	1415.4190	-13.62434	544.26047
##	40	240.163645	-966.7233	-280.363923	2184.0808	440.54373	-61.55809
##	42	501.870382	-513.9318	6.248227	1390.4182	-417.93290	75.45673
##	47	417.127092	-497.8061	-205.898810	1443.1593	-59.94519	321.27695
##	48	272.536244	-703.0055	-428.634366	2802.8476	-517.91385	755.95201
##	49	1572.336752	-701.6692	-446.334556	860.8915	300.02824	3292.02647
##	41	-73.453308	-940.1274	301.202683	2050.3496	-411.99788	10.05435
##	43	332.157280	-899.4751	-137.336776	1816.4322	100.56828	363.73760
##	44	-383.352661	-1135.5848	-346.990985	2446.0403	-181.09084	537.05226
##	45	-131.354813	-595.2193	-173.931742	617.1028	23.26667	298.89626
##	46	4.315297	-776.2872	-200.396033	787.1674	-216.14306	1030.12152
##	70	-97.370246	-805.0534	-450.088529	439.5703	-14.24555	769.82248
##	72	172.000578	-540.2788	-450.379469	2154.3963	-390.44658	356.40948
##	68	6.832293	-926.9868	-67.349595	3742.1085	-721.89566	22.10503
##		U81607_at	U81787_at	U81802_at	U81984_at	U82010_rna1_at	U82130_at
##	39	-500.7007	-562.92630	705.1888	-159.53267	1198.7023	-856.8887
##	40	-457.7118	-179.02227	171.0671	-98.40960	1520.7536	-310.3058
##	42	-792.9983	-127.70371	390.2438	-906.85746	571.0789	-547.4198
##	47	-484.7356	-223.32611	-425.9184	-35.98266	480.3010	-467.3083
##	48	-1016.5725	-787.92987	464.1605	-337.17733	361.8157	-260.9631
##	49	-169.1764	92.70524	900.1738	-1904.14259	1450.1253	-810.7866
##	41	-714.4310	-348.80289	271.8622	-129.87740	278.6330	-317.2054
##	43	130.0432	54.25048	266.8913	-457.35066	201.6253	-305.7651
##	44	1396.0969	-101.54967	414.3316	-592.43230	216.6150	-356.0814
##	45	-566.0877	-489.89737	334.7505	-337.51679	935.3093	-635.5553
##	46	-776.2872	-288.12946	-180.1499	-612.06827	321.5054	-616.5674
##	70	-317.5383	-223.18059	673.2181	-1034.20798	641.7655	-272.6061
##	72	-339.7341	-300.54724	142.0341	-602.51681	261.8999	-270.5808
##	68	-1099.3506	-638.98650	726.8330	-1236.80524	314.4689	-220.0770
##		U82169_at	U82256_at	U82275_at	U82303_at	U82306_at	U82310_at
##	39	-397.70657	-562.9263	1400.39907	730.93731	-408.4351	115.11831
##	40	698.50429	-121.4418	-462.31825	138.82199	-492.2601	-142.17076
##	42	-384.44491	-545.1872	930.51657	48.66634	-1085.4600	-288.44603
##	47	55.51066	-434.6321	-40.33948	-123.11914	-730.8962	-476.02193
##	48	-297.98146	-689.9402	2042.88316	-330.64468	-1068.8336	-861.96651
##	49	-321.94076	-245.5586	-142.98827	1057.30277	-1129.4093	-193.18226
##	41	-328.49022	-518.0752	1106.93876	-502.27643	-694.1184	-427.79662
##	43	-67.86008	-575.2505	1542.73612	-253.13127	-686.8343	130.04325
##	44	-362.89922	-224.2703	1818.80134	-367.44443	-751.5146	-471.98425
##	45	-823.79013	-440.5978	370.60477	-362.16659	-1121.8286	-424.91153
##	46	-456.84759	-456.8476	861.40339	47.05722	-544.5810	-573.82549
##	70	-184.98816	-304.0587	-108.60331	127.29108	-452.3351	-83.89057
##	72	-63.12077	-457.2948	3555.90394	252.67947	-1132.6924	-450.37947
##	68	-1173.53245	-922.6231	2509.38010	-508.07728	-1304.4417	-861.53216
##		U82313_at	U82319_at	U82320_at	U82321_at	U82468_at	U82532_at
##	39	-659.4833	-485.6807	-1234.5338	-562.9263	-3315.873	-277.5468
##	40	-729.4917	-506.0794	-1899.5271	-764.0400	-4030.005	-1268.4450
##	42	-766.2079	-558.5824	-1677.0811	-701.4645	-2523.211	-1391.3169
##	47	-902.9907	-484.7356	-1388.7767	-480.3788	-2305.888	-665.5438
##	48	-1256.1028	-783.5748	-2046.5529	-894.6297	-3847.385	-1051.4132
##	49	-756.2279	-557.6343	-2392.9884	-797.6925	-6340.855	-747.4985
##	41	-547.4157	-536.1309	-1215.4770	-565.4714	-1490.827	-445.8523
##							-193.0724

## 43	-651.0433	-516.3006	-777.3645	-356.2936	-2190.057	-562.6184	-718.4146
## 44	-715.1530	-417.4417	-1490.1112	-583.3419	-1883.272	-406.0787	-356.0814
## 45	-673.6504	-321.8305	-1883.7316	-684.8549	-2822.665	-810.3448	-572.8103
## 46	-652.5606	-380.3620	-1194.7082	-657.0598	-1370.175	-731.2957	-526.5844
## 70	-587.1319	-463.5682	-1146.5386	-564.6658	-2557.412	-632.0642	-443.3487
## 72	-780.0104	-791.5359	-1821.9207	-699.3315	-3451.634	-752.3490	-650.9242
## 68	-1132.0779	-977.1686	-1771.3512	-782.9866	-3708.808	-1127.7142	-440.4409
##	U82613_at	U82668_rna1_at	U82671_cds2_at	U82759_at	U82818_at	U82970_at	
## 39	-485.68071	-876.2001	-412.7265	-485.6807	-474.95216	-1612.1789	
## 40	198.70570	-694.9434	417.5115	-439.2861	-77.68062	-911.4460	
## 42	-1014.01900	-795.2308	-703.6970	325.5003	-534.02457	-1502.9436	
## 47	-181.93628	-517.4118	-493.4492	-251.6455	-293.03530	-894.2771	
## 48	72.20178	-1256.1028	-885.9195	-247.8978	-600.66070	-2155.4303	
## 49	166.90505	-769.3220	-531.4461	-692.9398	-197.54696	-1919.4190	
## 41	-303.66362	-655.7500	-899.5021	-208.8711	-752.79941	-1407.3189	
## 43	-661.57005	-636.3058	-198.3921	-57.3333	-400.50609	-1122.6427	
## 44	-835.60101	-737.8790	-460.6212	-465.1664	-558.34323	-1153.7657	
## 45	-1070.28814	-722.9500	-449.5613	-465.2476	-792.41766	-1457.9623	
## 46	-69.92068	-715.5487	-427.6031	-380.3620	-443.35014	-1039.4875	
## 70	-56.93121	-445.5953	-587.1319	-434.3622	-483.78773	-1261.1159	
## 72	-450.37947	-985.1653	-856.0791	-441.1590	-450.37947	-1812.7002	
## 68	-1350.25989	-1040.4414	-974.9868	-141.5315	-717.53202	-1810.6240	
##	U82987_at	U83115_at	U83192_at	U83246_at	U83303_cds2_at	U83410_at	
## 39	37.87272	-361.229488	-123.055590	3162.028	-850.45155	-507.1378	
## 40	-600.51141	-220.480220	-625.846822	4611.674	-1812.00478	-324.1251	
## 42	-1569.91953	338.895529	1.783162	3080.445	-183.51701	-505.0017	
## 47	-1225.39574	1.050353	-242.931818	3913.479	-563.15842	517.3341	
## 48	-1158.11311	1666.167270	-513.558757	3236.180	-861.96651	-289.2713	
## 49	-1376.01453	171.269747	559.727577	2120.106	561.90992	-389.5935	
## 41	-1621.73047	107.103796	-579.013199	4158.354	-396.19913	-147.9331	
## 43	-981.58394	323.735862	-512.089879	3410.186	-126.81000	-126.8100	
## 44	-1253.76028	212.069784	-299.266285	4841.366	-437.89517	-242.4512	
## 45	-1791.85504	23.266666	-133.595704	1703.935	126.34765	-415.9480	
## 46	-1462.40764	40.308498	-279.131159	2355.121	26.81105	-531.0836	
## 70	-908.39764	-115.343152	-445.595303	3200.658	-625.32436	-546.6929	
## 72	-261.36034	1725.645584	153.559687	3081.051	-355.86991	-143.7997	
## 68	-2711.71572	545.741890	-575.713709	7091.203	-436.07721	-809.1685	
##	U83411_at	U83461_at	U83463_at	U83600_at	U83601_at	U83843_at	U83908_at
## 39	-1768.816	-174.55265	-522.1578	-1861.0813	-726.0003	638.67174	-438.4751
## 40	-2654.983	-308.00255	-358.6734	-727.1885	-1203.9549	454.36304	-701.8531
## 42	-2279.865	-451.42088	-174.5869	-1907.0319	-1118.9480	937.21417	-638.9536
## 47	-1271.142	-247.28864	-571.8721	-1467.1995	-739.6098	489.01470	-517.4118
## 48	-1423.774	-509.20366	-108.5347	-378.5508	-1219.0845	758.12955	-1005.6847
## 49	-2283.871	-282.65850	-612.1930	-2211.8536	-1194.8797	537.90410	-738.7691
## 41	-1576.591	-452.62323	-527.1030	-1256.1023	-865.6476	1158.84893	-585.7841
## 43	-1623.717	-440.50783	-274.1848	-1476.3422	-1274.2282	220.57349	-457.3507
## 44	-1308.303	-326.53754	-460.6212	-1549.1989	-890.1435	1430.18593	-599.2501
## 45	-1473.649	-568.32856	-333.0350	-2036.1122	-758.8043	1038.39029	-619.8691
## 46	-2299.250	-470.34504	-522.0853	-1505.1496	-1084.4790	1342.81246	-456.8476
## 70	-2507.986	-555.67935	-515.2403	-627.5710	-989.2757	767.57586	-375.9503
## 72	-1372.424	-533.36348	153.5597	-1483.0693	-881.4353	-60.81566	-420.4130
## 68	-1616.442	-30.25865	-161.1679	-2144.4425	-1241.1689	2293.37990	-737.1684
##	U84487_at	U84540_at	U84551_cds2_at	U84569_at	U84573_at	U84720_at	
## 39	-464.2236	-408.4351	-882.6372	2689.9713	-695.96037	-751.74885	

##	40	-1028.9102	-734.0981	-777.8593	894.2779	97.36405	-1878.79814
##	42	-967.1358	-806.3935	-1072.0648	137.9676	-806.39351	865.77314
##	47	-909.5260	-661.1870	-1031.5171	1332.0602	-521.76859	-197.18516
##	48	-1027.4602	-1090.6091	-1112.3846	1511.5613	-1197.30898	938.86608
##	49	-893.7158	-819.5160	-1369.4675	1413.0254	-1142.50336	-3844.24939
##	41	-825.0223	-802.4526	-890.4742	928.6386	-700.88924	-105.05080
##	43	-600.5148	-632.0951	-661.5700	1405.8881	-482.61492	789.01921
##	44	-665.1557	-769.6955	-758.3324	1237.0145	-585.61448	277.97532
##	45	-368.8893	-740.8772	-774.4905	1224.3842	-344.23946	-70.85076
##	46	-715.5487	-627.8153	-497.3399	1500.2827	-636.81359	267.51558
##	70	-438.8555	-542.1997	-823.0263	1455.0395	-108.60331	-36.71169
##	72	-1201.8457	-650.9242	-1091.2004	1651.8820	-1084.28507	503.93660
##	68	-1125.5324	-1171.3506	-933.5322	449.7418	-854.98670	194.46883
##		U85193_at	U85245_at	U85265_at	U85267_at	U85430_at	U85611_at
##	39	-60.829977	173.05250	-470.6607	-912.6772	-427.7465	-108.03561
##	40	184.886382	286.22803	-678.8209	-337.9444	-185.9319	472.78880
##	42	-335.329204	298.70995	-475.9787	-634.4885	-563.0475	-47.33255
##	47	-155.795328	-388.88544	-580.5857	-539.1959	-589.2994	179.68016
##	48	-241.365197	35.18346	-768.3319	-946.8909	-509.2037	392.30141
##	49	-230.282167	649.20382	-479.0698	-363.4054	-472.5227	1709.82464
##	41	-30.570996	-378.14342	-466.1650	-527.1030	-459.3941	682.62956
##	43	115.305765	-168.91709	-501.5631	-446.8239	-415.2436	165.83427
##	44	-217.452514	-97.00446	-549.2528	-356.0814	-674.2461	-97.00446
##	45	-409.225297	97.21607	-409.2253	-711.7456	-563.8468	446.79506
##	46	-2.433428	-162.15326	-501.8391	-213.8935	-567.0768	-38.42663
##	70	-122.082992	-126.57622	-344.4977	-160.2754	-627.5710	679.95795
##	72	12.947899	190.44147	-556.4146	-816.8922	-616.3475	390.98615
##	68	-689.168361	-224.44065	-704.4411	-1009.8959	-913.8958	585.01465
##		U85707_at	U85767_at	U85943_at	U85946_at	U85992_at	U86070_at
##	39	-1017.8170	-558.63488	-401.99799	-112.32704	-1157.28819	924.05128
##	40	-692.6402	811.36204	46.69322	30.57069	712.32361	488.91133
##	42	-853.2767	-89.75066	-594.30294	-263.88817	-288.44603	292.01235
##	47	-589.2994	210.17793	-155.79533	-504.34129	22.83448	-59.94519
##	48	-1134.1601	-713.89322	-922.93787	-428.63437	-393.79359	213.74243
##	49	-893.7158	-601.28122	-33.87090	-634.01643	900.17376	819.42691
##	41	903.8120	-732.48674	-147.93311	-411.99788	-91.50902	-165.98882
##	43	-606.8308	-794.20738	-349.97758	-126.81000	399.52862	515.32312
##	44	-694.6995	-201.54428	-340.17317	-74.27841	127.98341	384.78775
##	45	-624.3508	-671.40954	-476.45203	-117.90947	202.53795	-66.36897
##	46	-756.0411	-468.09546	-213.89348	-317.37394	-258.88498	-33.92748
##	70	-569.1590	-146.79574	-418.63594	-288.33237	68.87914	183.45641
##	72	-936.7580	-982.86018	-632.48326	-565.63503	-125.35878	603.05639
##	68	-617.1683	-724.07748	-885.53218	-558.25915	-686.98654	-117.53146
##		U86136_at	U86214_at	U86358_at	U86409_at	U86529_at	U86602_at
##	39	-144.51270	-189.5726	-1564.9732	451.994902	1166.5166	-118.76417
##	40	-93.80316	-688.0337	-2938.2790	1649.733875	1449.3538	76.63507
##	42	-266.12071	-534.0246	-3181.8078	890.330990	1970.8766	-328.63161
##	47	-504.34129	-857.2441	-1430.1665	321.276953	878.9505	-86.08614
##	48	-559.28727	-1116.7397	-2416.7361	-4.012413	1794.6426	686.27045
##	49	186.54618	-756.2279	-2831.6402	1013.655828	1871.3183	812.87987
##	41	-423.28270	-416.5118	-759.5703	251.549479	831.5892	441.13444
##	43	-295.23836	-400.5061	-874.2109	151.096792	2155.3943	68.98797
##	44	-599.25011	-285.6307	-2328.7023	448.420679	539.3249	-165.18260
##	45	-698.30024	-702.7820	-1977.8490	209.260619	1029.4267	-191.85887

##	46	-486.09206	-542.3314	-643.5623	-366.864587	782.6683	152.78725	-369.11416
##	70	-420.88256	-393.9232	-1177.9912	412.610966	900.1260	169.97673	-153.53558
##	72	-540.27881	-750.0439	-1999.4143	15.253010	1174.7240	75.18590	-616.34748
##	68	-732.80477	-730.6229	-1607.7147	-97.895078	489.0146	988.65140	-217.89519
##		U87223_at	U87269_at	U87309_at	U87408_at	U87459_at	U87460_at	U87964_at
##	39	-236.77826	-1255.9909	-726.0003	1177.24515	364.0208	-620.8605	-1358.9850
##	40	46.69322	-1268.4450	-476.1376	484.30489	422.1180	-641.9694	300.0473
##	42	-114.30851	-987.2286	-723.7898	267.45450	233.9665	-676.9066	-281.7484
##	47	-726.53934	-852.8872	-706.9336	96.90049	371.3804	-580.5857	-1123.0104
##	48	-753.08909	-1412.8863	-1016.5725	340.04025	263.8260	-1038.3479	-217.4122
##	49	-153.90001	-1039.9330	-695.1222	1596.34257	928.5443	-740.9514	686.3037
##	41	-669.29175	-800.1957	-655.7500	165.78485	-102.7938	-621.8955	-1314.7834
##	43	-737.36281	-743.6789	-667.8861	75.30403	317.4198	-566.8291	-1501.6065
##	44	-603.79532	-612.8857	-681.0639	-103.82228	225.7054	-651.5200	-728.7886
##	45	-561.60589	-1146.4784	-613.1464	83.77072	547.6352	-803.6221	-738.6363
##	46	-531.08357	-578.3246	-567.0768	224.77365	58.3051	-733.5453	-1183.4603
##	70	-286.08576	-569.1590	-539.9531	255.34804	475.5161	-456.8284	-1013.9885
##	72	-466.51525	-823.8075	-731.6030	879.66974	494.7162	-768.4848	-722.3826
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##		U87972_at	U88047_at	U88629_at	U88666_at	U88667_at	U88726_at	U88871_at
##	39	188.0725	-39.37287	-174.55265	-262.52679	-1213.0767	-736.7289	-726.0003
##	40	673.1689	25.96425	1371.04434	-215.87378	-388.6152	-220.4802	-821.6205
##	42	-732.7199	55.36394	684.93802	-404.53770	-529.5595	-563.0475	-902.3924
##	47	-785.3565	127.39826	-234.21817	-168.86580	-530.4822	-489.0924	-380.1718
##	48	-1380.2231	-589.77295	363.99328	-160.79590	-1796.1348	-794.4625	-966.4888
##	49	131.9875	164.72270	819.42691	-73.15316	-1000.6508	-485.6168	-957.0038
##	41	-299.1497	344.08500	21.33917	-317.20540	-384.9143	-461.6511	-551.9296
##	43	-183.6546	-173.12780	-147.86355	-223.65631	-844.7359	-381.5579	-606.8308
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##	45	-563.8468	-39.47828	168.92458	-492.13826	135.3112	-301.6625	-698.3002
##	46	-774.0377	-141.90708	-141.90708	-450.09886	-697.5521	-351.1176	-396.1091
##	70	-867.9586	93.59188	-268.11285	-133.31606	-265.8662	-209.7009	-546.6929
##	72	-1536.0869	185.83125	849.70330	-289.02168	-1211.0662	-540.2788	-856.0791
##	68	-573.5319	-272.44070	-311.71346	-525.53184	-839.7140	-813.5321	-988.0777
##		U88892_at	U88964_at	U89012_at	U89278_at	U89326_at	U89335_cds2_at	
##	39	-974.9028	4284.2344	-663.7747	2290.8691	-805.3916	93.661200	
##	40	-1586.2893	562.6144	-593.6018	2089.6488	-1236.1999	95.060828	
##	42	-1400.2471	2397.2902	-853.2767	999.7251	-967.1358	-230.400190	
##	47	-1018.4466	2009.5464	-818.0327	325.6338	-931.3101	-5.484884	
##	48	-1349.7374	2156.1157	-1003.5072	479.4033	-1112.3846	-398.148688	
##	49	-2233.6770	2665.6928	-952.6391	2312.1525	-1183.9680	459.339598	
##	41	-827.2792	2350.5258	-635.4373	651.0321	-962.6970	-560.957488	
##	43	-1406.8655	4344.9630	-657.3593	115.3058	-773.1538	-385.768608	
##	44	-812.8750	5282.2510	-694.6995	1234.7419	-617.4310	441.602864	
##	45	-1319.0270	3162.7550	-649.0006	218.2242	-971.6889	247.355766	
##	46	-956.2533	2654.3147	-571.5759	409.2388	-855.0224	-297.127760	
##	70	-1002.7554	2090.8311	-645.5439	385.6516	-780.3407	-144.549124	
##	72	-1639.8169	5425.3492	-844.5535	1407.5402	-899.8762	-210.647896	
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##		U89336_cds1_at	U89336_cds3_at	U89336_cds4_at	U89336_cds6_at	U89336_cds7_at		
##	39	2067.7151	1312.4249	2462.52591	-464.22361	-206.738311		
##	40	1258.1866	1428.6248	161.85419	-93.80316	-1878.798137		
##	42	1510.9750	401.4064	1544.46293	-409.00277	-1480.618239		
##	47	1016.1905	188.3938	109.97097	-397.59909	-489.092402		

## 48	2970.5188	520.7768	2589.44782	-581.06276	4.697781		
## 49	2508.5638	1727.2834	987.46766	-527.08141	-1528.778846		
## 41	763.8803	-116.3356	75.50630	-222.41292	-874.675457		
## 43	652.1712	231.1003	469.00532	-381.55790	-646.832568		
## 44	2516.4910	525.6892	1216.56108	-437.89517	-342.445775		
## 45	668.6433	171.1655	-32.75561	81.52983	-563.846776		
## 46	1356.3099	420.4867	602.70226	-265.63371	-81.168555		
## 70	1897.6223	367.6787	120.55124	-178.24832	-1031.961366		
## 72	3113.3226	112.0677	872.75441	-252.13990	-791.535940		
## 68	2343.5618	-331.3498	349.37807	-337.89530	-1913.169511		
##	U89336_cds8_at	U89355_at	U89505_at	U89606_at	U89717_at	U89896_at	
## 39	52.89270	-496.40927	1224.4508	-1176.5996	-1721.6101	-39.372869	
## 40	44.39000	-236.60276	145.7317	-1653.0826	-3578.5740	148.034872	
## 42	-89.75066	-13.84456	669.3103	-1489.5484	-1143.5059	-469.281138	
## 47	-480.37875	-356.20925	347.4179	-1072.9069	-752.6803	-279.964826	
## 48	-528.80160	15.58552	2526.2989	-1347.5598	-2499.4830	-71.516416	
## 49	179.99914	-206.27635	548.8158	-1312.7265	-3311.7566	193.093221	
## 41	-782.13994	-490.99161	890.2702	-1513.3962	-1576.5912	-193.072389	
## 43	-375.24184	64.77726	1045.8725	-537.3541	-1688.9831	-82.597559	
## 44	-717.42556	-406.07871	855.2169	-1058.3163	-1533.2907	-376.534847	
## 45	-270.29006	-220.99045	1060.7992	-350.9621	-1148.7193	103.938742	
## 46	-951.75410	-427.60311	591.4544	-526.5844	-902.2634	-9.182153	
## 70	-912.89086	-459.07498	405.8711	-870.2052	-1231.9099	423.844033	
## 72	-206.03767	591.53083	1700.2894	-1655.9527	-2218.3998	-146.104780	
## 68	-926.98677	-322.62256	1134.8334	-1729.8966	-1771.3512	-250.622495	
##	U89916_at	U89942_at	U89995_at	U90268_at	U90304_at	U90306_at	U90313_at
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## 40	-644.2726	-515.2923	-384.0088	-934.4782	-489.9569	498.12421	1972.18458
## 42	-741.6501	-766.2079	-614.3957	-614.3957	-634.4885	-643.41865	1519.90508
## 47	-458.5946	-530.4822	-720.0041	-706.9336	-604.5483	-489.09240	1149.07361
## 48	-933.8256	-1108.0295	-1121.0948	-927.2930	-746.5564	-156.44081	2674.37222
## 49	-719.1280	-448.5169	-884.9864	-994.1037	-1068.3036	688.48607	2552.21072
## 41	-759.5703	-714.4310	-615.1246	-827.2792	-610.6107	-3.48743	1264.92623
## 43	-581.5666	-552.0916	-606.8308	-863.6841	-526.8274	39.51300	1586.94857
## 44	-742.4242	-678.7913	-787.8763	-1037.8628	-471.9842	-97.00446	964.30196
## 45	-610.9055	-147.0411	-637.7962	-817.0675	-335.2759	-536.95608	1582.92680
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## 40	-1906.4368	1962.9717	-618.9372	-706.4595	1331.8896	438.240508	956.4649
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## 47	-600.1914	489.0147	-794.0701	-885.5634	-151.4385	96.900492	425.8407
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## 49	-1720.8254	1842.9478	-498.7109	-634.0164	904.5385	160.358010	2838.0982
## 41	-1199.6782	2300.8726	-147.9331	-676.0626	-290.1218	3.283461	163.5279
## 43	-1040.5339	980.6065	-364.7151	-562.6184	464.7946	-320.502619	616.3801
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## 45	-944.7982	1291.6110	-566.0877	-559.3650	670.8842	108.420524	466.9631
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## 47  310.3849 -77.37249 -155.7953 2994.1888 -780.9996  42.440186 -425.9184
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## 44  -856.0544 6695.811 -487.89248 -444.7130 -426.53215 -458.3486  246.15886
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## 48  -912.0501 -1820.0878 -1081.8989 -1110.2070   65.66914 -567.99747 2781.0721
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##	41	-405.22699	-802.4526	-658.0069	12687.420	1269.4402	-689.6044	-283.3509
##	43	-244.70986	-385.7686	-600.5148	4159.692	586.9052	-743.6789	-331.0294
##	44	602.95780	271.1575	-658.3378	8577.528	189.3437	-862.8723	-360.6266
##	45	287.69180	-454.0431	-662.4460	7465.266	269.7647	-747.5998	-375.6119
##	46	-148.65581	-555.8289	-558.0785	8719.169	526.2167	-578.3246	-274.6320
##	70	-70.41089	-596.1184	-654.5303	8603.763	439.5703	-625.3244	-297.3188
##	72	-478.04080	-196.8172	-773.0950	7034.317	282.6459	-754.6542	-528.7533
##	68	-549.53187	-1040.4414	-964.0777	16793.757	1651.9247	-918.2595	-436.0772
##		U94319_at	U94320_at	U94332_at	U94333_at	U94585_at	U94586_at	U94592_at
##	39	400.4978	-726.0003	-638.0262	-1582.1389	1136.47664	1524.8503	2290.8691
##	40	-27.0098	-823.9237	-238.9060	-2111.4233	2038.97794	2640.1182	2676.9697
##	42	546.5210	-795.2308	-529.5595	-1516.3388	97.78205	5980.5045	3462.2081
##	47	499.9068	-757.0371	-589.2994	-1375.7062	1377.80689	3630.2852	2504.0460
##	48	2151.7606	-1108.0295	-903.3399	-1550.0718	1947.07102	9962.6270	2765.8293
##	49	-215.0057	-1048.6624	-278.2938	-1699.0019	2163.75289	2840.2806	11558.7583
##	41	614.9207	-639.9512	-486.4777	-969.4679	1176.90464	2377.6094	3693.4193
##	43	671.1194	-606.8308	-596.3041	-1244.7532	1715.37519	1993.2820	4953.4104
##	44	764.3127	-749.2420	-542.4350	-703.7899	1291.55704	2396.0430	3416.4425
##	45	543.1534	-657.9642	-510.0654	-962.7254	890.49148	1428.3053	1336.4288
##	46	168.5343	-708.8000	-434.3518	-980.9986	730.92804	1126.8533	717.4306
##	70	-101.8635	-452.3351	-533.2132	-1007.2486	1194.43238	677.7113	2973.7501
##	72	596.1411	-731.6030	-602.5168	-1381.6444	1421.37089	5494.5025	3330.0030
##	68	1339.9245	-1204.0779	-835.3503	-1245.5325	1499.19733	4553.7457	5825.7469
##		U94747_at	U94831_at	U94855_at	U95006_at	U95020_at	U95040_at	U95090_at
##	39	-721.7089	67.91267	6507.191	27.14417	-1286.0308	19647.524	155.886813

## 40	-713.3692	693.89785	2110.378	306.95701	-1795.8822	4980.189	9.841713
## 42	-777.3706	-2020.89104	10135.247	443.82454	-1636.8955	5880.041	-371.049720
## 47	-530.4822	-127.47597	2728.422	811.41971	-898.6339	4702.064	-164.508977
## 48	-1097.1417	642.71949	12449.387	1272.03100	-1776.5369	8113.888	-809.705350
## 49	-1448.0320	-2694.15234	4734.558	688.48607	-2469.3706	7615.257	-324.123103
## 41	-296.8927	39.39488	6708.723	1046.00074	-940.1274	10419.171	-579.013199
## 43	-592.0934	75.30403	6435.580	298.47161	-1552.1350	4791.298	-939.476845
## 44	-301.5389	512.05361	7107.153	182.52592	-1149.2205	11368.287	-326.537542
## 45	-774.4905	-115.66858	14356.006	-17.06937	-1527.4299	7783.472	-633.314397
## 46	40.3085	166.28470	12035.043	456.47988	-1111.4739	6336.869	-555.828891
## 70	-465.8148	50.90623	5692.152	-292.82560	-957.8231	5330.447	-571.405646
## 72	-856.0791	-547.19414	7781.173	-346.64946	-1407.0007	8677.861	-242.919454
## 68	-1156.0779	43.92324	7979.203	-248.44067	-1825.8967	9076.659	-734.986586
##	U95626_rna1_at	U95740_rna1_at	U95740_rna2_at	U96094_at	U96113_at		
## 39	-638.0262	-314.023850	-897.6572	-144.5127	74.34980		
## 40	-773.2529	-165.202956	-469.2279	-2770.1440	-222.78344		
## 42	-842.1140	510.800511	-708.1621	280.8497	421.49922		
## 47	746.0673	31.548125	-702.5768	-371.4581	-476.02193		
## 48	-1236.5049	274.713792	-892.4522	-561.4648	-256.60804		
## 49	-513.9873	-295.752588	-644.9282	-1517.8671	88.34055		
## 41	-694.1184	222.208950	-655.7500	-159.2179	-423.28270		
## 43	-657.3593	79.514739	-596.3041	-122.5993	-227.86702		
## 44	-896.9613	-1087.860134	-1440.1139	-565.1610	-131.09353		
## 45	-675.8913	-848.439933	-1103.9015	-469.7294	-30.51472		
## 46	-688.5538	-121.660906	-492.8408	-310.6252	-353.36714		
## 70	-724.1753	1.480738	-481.5411	201.4293	-331.01803		
## 72	-731.6030	89.016571	-630.1781	-109.2230	365.62993		
## 68	-1153.8961	458.469081	-1081.8960	-403.3499	102.83238		
##	U96114_at	U96115_at	U96191_at	U96629_rna1_at	U96629_rna2_at	U96769_rna1_at	
## 39	147.30397	-412.7265	-584.3834	-809.6830	-221.75829	-1384.7335	
## 40	422.11797	-27.0098	-598.2082	-846.9559	-598.20819	-303.3961	
## 42	-38.40242	-348.7244	-882.2996	-565.2800	-129.93624	-304.0738	
## 47	-147.08168	-393.2423	-635.0460	142.6471	118.68461	-251.6455	
## 48	-372.01811	-800.9952	-1188.5988	-990.4419	-454.76495	-1421.5965	
## 49	-22.95917	-548.9049	-730.0397	-1002.8331	-212.82339	-832.6100	
## 41	-211.12810	-459.3941	-775.3690	-346.5459	-222.41292	-658.0069	
## 43	-238.39379	-606.8308	-895.2644	-133.1261	-198.39206	-975.2679	
## 44	-524.25416	-460.6212	-637.8844	-315.1745	418.87682	-867.4175	
## 45	-346.48035	-160.4864	-879.8124	-337.5168	-30.51472	-812.5857	
## 46	227.02323	-362.3654	-594.0717	-470.3450	-326.37224	-1383.6725	
## 70	-286.08576	-331.0180	-692.7228	-382.6901	-63.67105	-816.2865	
## 72	-254.44501	-662.4497	-955.1988	-676.2804	483.19060	-1713.5805	
## 68	-163.34969	-826.6230	-1108.0778	-647.7138	35.19596	-1042.6232	
##	U96781_cds1_at	U96915_at	U96922_at	U97018_at	U97105_at	U97188_at	
## 39	-1000.65130	1938.97248	-846.1601	-438.4751	1115.0195	-474.9522	
## 40	-206.66090	88.15117	-736.4014	-586.6921	707.7172	-563.6599	
## 42	-313.00388	329.96540	-931.4153	-2094.5646	1274.3265	-866.6719	
## 47	-314.81942	454.16010	-839.8168	-661.1870	412.7703	-576.2289	
## 48	-530.97914	2796.31493	-1162.4682	-879.3869	4176.8807	-698.6504	
## 49	-891.53342	160.35801	-1061.7565	-230.2822	1308.2727	-428.8758	
## 41	-610.61069	1359.71870	-782.1399	-662.5209	1840.4520	-226.9268	
## 43	-86.80827	925.86725	-693.1504	-465.7721	1866.9607	-566.8291	
## 44	-321.99233	998.39103	-715.1530	-787.8763	2352.8635	-419.7143	
## 45	-308.38520	1063.04009	-722.9500	-841.7173	1533.6272	-478.6929	

## 46	-330.87139	1160.59688	-776.2872	-711.0496	1140.3507	-544.5810
## 70	-389.42997	1551.64389	-632.0642	-432.1156	109.3182	-432.1156
## 72	-761.56949	3417.59727	-973.6397	-667.0599	3247.0190	-558.7197
## 68	-593.16827	5020.65519	-1094.9869	-817.8958	4158.8362	-174.2588
##	U97502_rna1_at	V00503_at	V00563_at	V00571_rna1_at	V00572_at	V01510_rna1_at
## 39	-689.52324	-196.0098	33654.724	-599.4034	4337.877	-2146.4609
## 40	19.05459	-563.6599	1543.786	-584.3889	2720.731	-2125.2426
## 42	-328.63161	-652.3488	10642.032	-596.5355	11108.631	-2353.5383
## 47	-192.82834	-715.6473	5255.381	-711.2905	4120.428	-1297.2833
## 48	-432.98946	-894.6297	2495.813	-907.6950	14261.108	-2216.4017
## 49	-647.11051	-551.0872	4963.705	-690.7575	6150.902	-2855.6460
## 41	-470.67894	-727.9728	7507.688	-542.9018	5194.300	-1400.5480
## 43	-1051.06063	-541.5648	10610.498	-537.3541	2462.776	-956.3197
## 44	-417.44173	-751.5146	3171.001	-387.8979	6032.211	-1219.6712
## 45	-671.40954	-660.2051	3339.785	-570.5694	9685.989	-2018.1850
## 46	-528.83399	-672.8068	8267.004	-564.8272	7497.650	-1376.9238
## 70	-519.73354	-420.8826	18915.718	-470.3080	2479.495	-1364.4601
## 72	-807.67172	-717.7724	16139.506	-740.8235	5139.515	-1893.3791
## 68	-305.16800	-850.6231	5232.292	-787.3503	10867.933	-2753.1703
##	V01512_rna1_at	V01514_at	V01515_cds1_at	X00129_at	X00237_at	X00274_at
## 39	12929.3032	-685.2318	-241.06968	-500.7007	-449.20363	45713.62
## 40	295.4409	-897.6267	-471.53113	-614.3307	90.45439	59216.40
## 42	13827.8553	-717.0922	-723.78981	-596.5355	-801.92844	33503.16
## 47	3699.9943	-563.1584	-643.75967	-284.3217	-702.57680	22981.12
## 48	11713.3759	-1033.9928	-975.19903	-970.8439	-838.01348	39442.28
## 49	16654.5393	-994.1037	46.87595	-634.0164	-869.70994	35149.93
## 41	2481.4297	-743.7716	-409.74091	-572.2423	-416.51181	31706.85
## 43	6071.3537	-611.0415	-476.29885	-657.3593	-558.40768	39163.32
## 44	202.9794	-569.7063	-369.71703	-1237.8520	-667.42825	56109.06
## 45	17450.6760	-696.0593	-245.64025	-1090.4562	-906.70310	31996.30
## 46	11245.4418	-506.3382	-461.34674	-585.0734	-542.33144	35763.56
## 70	8055.5893	-616.3379	-351.23755	-508.5005	-153.53558	28648.05
## 72	1635.7462	-872.2148	-547.19414	-752.3490	-586.38104	52145.34
## 68	12672.2987	-900.8049	-604.07737	-937.8959	-1173.53245	32908.68
##	X00368_xpt2_at	X00371_rna1_at	X00588_at	X00734_at	X01057_at	X01059_at
## 39	-603.6948	-625.1519	-820.4116	-1798.856	-674.5033	-717.4175
## 40	-563.6599	-420.8603	-614.3307	-2003.172	219.4347	-185.9319
## 42	-618.8608	-813.0911	-996.1587	-1757.452	-717.0922	-558.5824
## 47	-580.5857	-347.4956	-489.0924	-1173.114	-534.8391	-543.5527
## 48	-909.8726	-885.9195	-1086.2540	-1913.722	-1129.8050	-848.9012
## 49	-420.1464	-391.7759	-1539.6906	-2216.218	-732.2221	-537.9931
## 41	-547.4157	-229.1838	-703.1462	-1109.400	-746.0285	-540.6448
## 43	-621.5683	-552.0916	-682.6236	-1364.758	-547.8809	-385.7686
## 44	-874.2353	-451.5308	-626.5214	-1153.766	-776.5133	-737.8790
## 45	-1401.9400	-346.4803	-938.0756	-1762.723	-727.4318	-626.5917
## 46	-621.0666	-490.5912	-558.0785	-1192.459	-636.8136	-535.5827
## 70	-578.1455	-465.8148	-816.2865	-1072.400	-582.6387	-373.7037
## 72	-597.9066	-528.7533	-1003.6062	-1625.986	-851.4688	-466.5152
## 68	-961.8959	-1025.1687	-1147.3506	-1136.442	-1079.7142	-881.1685
##	X01060_at	X01388_at	X01630_at	X01715_at	X02152_at	X02158_rna1_at
## 39	-174.5526	1254.49074	-620.8605	484.18056	1492.665	-944.8628
## 40	-121.4418	765.29765	228.6475	-199.75125	8156.328	-678.8209
## 42	7641.5085	1881.57530	-176.8194	-138.86637	4495.871	-837.6490
## 47	1061.9371	-301.74895	-743.9666	-177.57945	9252.767	-748.3235

## 48	749.4194	1309.04932	-809.7053	-243.54275	10219.578	-1073.1887	
## 49	-701.6692	1849.49487	-267.3821	596.82748	10945.519	-983.1920	
## 41	262.8343	177.06967	120.6456	-84.73813	9888.785	-687.3475	
## 43	5176.5780	10.03804	-737.3628	79.51474	4820.773	-1032.1124	
## 44	-278.8128	337.06305	-185.6360	-562.88844	3602.796	-658.3378	
## 45	-330.7941	366.12299	-469.7294	-415.94797	11223.240	-729.6727	
## 46	-303.8765	296.76005	-634.5640	78.55127	4118.788	-753.7915	
## 70	248.6082	585.60019	-414.1427	-153.53558	7523.142	-708.4491	
## 72	743.6682	1598.86446	-429.6335	-3.18788	4560.932	-985.1653	
## 68	886.1058	1156.65156	-658.6229	-34.62229	21425.762	-1169.1688	
##	X02317_at	X02404_at	X02530_at	X02544_at	X02596_at	X02612_at	X02750_at
## 39	492.7634	-496.4093	-726.0003	-912.6772	2275.8491	-133.7841	473.45201
## 40	2428.2220	-215.8738	-478.4408	-1696.8438	380.6600	-252.7253	832.09101
## 42	9898.5985	-420.1654	-547.4198	-1016.2515	930.5166	-587.6053	-210.30740
## 47	2870.0193	-630.6892	-517.4118	-926.9533	674.1797	-430.2753	271.17347
## 48	27193.5681	-844.5461	-835.8359	-1491.2780	1481.0756	-809.7053	-106.35719
## 49	2763.8984	-446.3346	-1018.1096	-1269.0795	3396.7791	-256.4703	424.42204
## 41	1908.1609	-527.1030	-579.0132	-1021.3781	1621.5265	-687.3475	70.99238
## 43	4974.4640	-625.7790	-436.2971	-596.3041	763.7550	-213.1295	797.44063
## 44	1877.8891	-537.8898	-765.1503	-1094.6779	621.1386	-717.4256	462.05631
## 45	6739.2170	-487.6565	-698.3002	-994.0978	245.1149	-713.9865	32.23023
## 46	5268.3209	-531.0836	-756.0411	-861.7711	958.1351	-551.3297	364.24731
## 70	1796.5247	-344.4977	-708.4491	-647.7905	138.5241	-587.1319	493.48904
## 72	2993.4568	-528.7533	-501.0919	-1294.0502	1462.8629	-614.0424	-35.45944
## 68	6886.1115	-796.0776	-896.4413	-1269.5325	2055.5615	-854.9867	-573.53189
##	X02751_at	X02874_at	X02910_at	X03066_at	X03072_at	X03100_cds2_at	
## 39	-773.2060	-438.47508	-50.101423	389.76929	-438.47508	9433.940	
## 40	-600.5114	-319.51865	-952.903967	1338.79927	802.14916	19992.573	
## 42	-306.3063	-464.81607	1959.713928	242.89664	446.05708	6342.175	
## 47	-743.9666	-264.71594	-711.290451	142.64715	-18.55536	7292.196	
## 48	-846.7237	-929.47052	-746.556444	-239.18765	-239.18765	9694.789	
## 49	-559.8166	-256.47034	-81.882547	1559.24267	1637.80717	7423.210	
## 41	-484.2207	-511.30428	-788.910832	-91.50902	-655.74997	5625.380	
## 43	-676.3075	-575.25051	-722.625330	35.30229	-935.26614	6597.692	
## 44	-606.0679	-590.15969	-194.726466	718.86064	-437.89517	14879.461	
## 45	-684.8549	72.56627	-8.105808	70.32538	-333.03500	5771.152	
## 46	-519.8357	-402.85779	422.736258	-81.16855	-463.59631	11207.199	
## 70	-562.4192	-393.92320	843.960714	309.26676	-459.07498	2794.021	
## 72	-136.8843	-687.80593	-703.941711	418.64749	-116.13833	9754.348	
## 68	-734.9866	-662.98652	-970.623171	-235.34975	-150.25876	7734.840	
##	X03168_at	X03342_at	X03473_at	X03484_at	X03635_at	X03656_rna1_at	X03663_at
## 39	-1856.790	43619.40	359.7293	675.14882	-1017.8170	-569.363434	-901.9486
## 40	-1376.696	58553.07	-536.0213	597.16264	-745.6142	-814.710807	-264.2414
## 42	-4135.099	53883.95	-545.1872	79.92179	-788.5332	-1096.622695	-1005.0889
## 47	-2035.765	54718.41	-393.2423	489.01470	-885.5634	-554.444769	-595.8346
## 48	-1841.863	46776.26	-905.5175	444.56257	-1055.7683	440.207477	-672.5198
## 49	-2115.830	51999.84	-660.2046	-75.33550	-640.5635	-930.815669	-1173.0562
## 41	-1208.706	59785.74	-574.4993	296.68876	-624.1525	-197.586317	-186.3015
## 43	-3646.963	51298.58	959.5529	570.06234	-667.8861	-1173.171196	-552.0916
## 44	-1631.013	48863.99	789.3114	641.59208	-644.7022	82.531313	-715.1530
## 45	-1691.015	54873.56	-713.9865	592.45298	-696.0593	-599.701032	-279.2536
## 46	-2339.742	48282.45	-256.6354	577.95694	-731.2957	-184.649007	-441.1006
## 70	-1490.270	51345.58	-551.1861	26.19348	-717.4355	5.973965	-432.1156
## 72	-1462.323	52421.96	-279.8012	407.12193	-851.4688	418.647485	-1017.4368

## 68	-3529.898	47195.24	-942.2595	371.19627	-957.5322	421.378137	-407.7136
##	X03934_at	X04011_at	X04085_rna1_at	X04106_at	X04143_at	X04145_at	
## 39	368.312181	-655.1919	1187.9737	2492.566	-1073.6055	-710.9803	
## 40	293.137690	-75.3774	1209.8190	3372.542	-1441.1865	-1167.1034	
## 42	-129.936239	1515.4400	11588.6254	4330.663	-1552.0593	-980.5310	
## 47	14.120827	-476.0219	3451.6553	4519.077	-251.6455	-826.7463	
## 48	-278.383521	3490.9529	3286.2633	6308.701	-949.0685	-1249.5701	
## 49	461.521946	-784.5984	444.0632	1380.290	-965.7332	-1308.3618	
## 41	156.757000	-560.9575	4345.6818	2946.364	-653.4930	-727.9728	
## 43	216.362782	1026.9243	5818.7111	3854.415	-819.4716	-884.7376	
## 44	2.990147	-296.9937	1923.3412	2227.870	-640.1570	-840.1462	
## 45	-17.069372	-409.2253	1802.5341	1730.826	-424.9115	-689.3367	
## 46	296.760055	204.5275	1196.5901	1875.962	-897.7643	-567.0768	
## 70	387.898220	399.1313	1275.3105	1473.012	-497.2674	-829.7662	
## 72	805.906181	-189.9019	344.8839	6902.926	-1058.9288	-1109.6413	
## 68	-261.531596	-859.3503	10813.3879	9279.568	-929.1686	-1044.8051	
##	X04201_at	X04297_at	X04325_at	X04327_at	X04366_at	X04391_at	
## 39	-251.7982	-599.4034	-273.25535	-562.926302	503.491961	473.452010	
## 40	-519.8987	-464.6215	-128.35145	-404.737767	-220.480220	431.330850	
## 42	-1502.9436	-493.8390	19.64342	2502.219260	347.825658	-85.285595	
## 47	-765.7508	-550.0879	-210.25563	-5.484884	31.548125	92.543667	
## 48	-896.8073	-909.8726	-1066.65607	-284.916167	144.060884	-685.585087	
## 49	-293.5702	-516.1697	-682.02807	-352.493619	343.675188	708.127197	
## 41	-542.9018	-759.5703	-700.88924	-459.394117	183.840565	7.797389	
## 43	-451.0346	-396.2954	-147.86355	970.079697	363.737598	-187.865284	
## 44	-556.0706	-828.7832	-715.15295	-383.352661	182.525922	30.261404	
## 45	-330.7941	-767.7679	-660.20509	-382.334605	45.675576	-48.441846	
## 46	-258.8850	-537.8323	-564.82719	-531.083566	-4.683003	47.057224	
## 70	-564.6658	-535.4598	-717.43551	-65.917660	147.510601	340.719342	
## 72	1073.2991	-641.7037	-660.14460	-464.210137	480.885490	15.253010	
## 68	-1463.7145	-1348.0781	-381.53171	-758.986609	1446.833646	-385.895349	
##	X04412_at	X04434_at	X04500_at	X04571_at	X04688_at	X04707_at	
## 39	986.27689	-644.4633	1488.373215	-633.7348	-751.7489	-148.80412	
## 40	-441.58928	-922.9621	-82.287061	-595.9050	-720.2788	-508.38264	
## 42	1060.00344	-545.1872	-4.914434	-587.6053	-763.9754	-777.37059	
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## 48	22.11817	-1171.1784	3978.723754	-1129.8050	-990.4419	-920.76032	
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## 46	-380.36204	-497.3399	1430.545882	-643.5623	-634.5640	-420.85439	
## 70	232.88190	-432.1156	-515.240314	-418.6359	-787.0805	-306.30528	
## 72	4782.22315	-1160.3537	390.986150	-706.2468	-803.0615	-70.03611	
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##	X04741_at	X04828_at	X04898_rna1_at	X05153_rna1_at	X05196_at	X05232_at	
## 39	-1161.5796	3177.04761	-717.4175	-1389.0250	462.72346	-614.4234	
## 40	-810.1044	-1775.15327	-2182.8231	-397.8281	-238.90597	-565.9631	
## 42	-1987.4031	-313.00388	-411.2353	-1773.0800	-690.30183	-739.4175	
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## 39 -569.3634   235.2781 -2871.711    52.89270 -489.9721 -779.6431 -532.8864
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## 45 -902.2213  -691.5776  -478.6929  -496.6200 -375.61193 -503.3427  222.70596
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##      X06948_at X06985_at X07024_at X07109_at X07173_at X07290_at X07315_at
## 39 -361.2295  1301.696376  484.18056  2466.8173  -537.1778  685.87738 -123.05559

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##	47	-656.8301	-110.048671	-77.37249	2645.6428	-306.1058	421.48392	804.88447
##	48	-970.8439	368.348377	-376.37320	3791.4546	-1055.7683	287.77908	-130.31022
##	49	-564.1813	-295.752588	970.00888	585.9157	-544.5402	533.53941	223.64608
##	41	-628.6664	-321.719326	-511.30428	664.5739	-518.0752	-215.64203	732.28277
##	43	-314.1866	1056.399232	10.03804	1805.9054	-339.4508	-46.80653	393.21256
##	44	-276.5402	477.964540	-133.36614	2716.4802	-383.3527	-517.43634	846.12651
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##	46	-542.3314	-63.171954	-324.12266	1453.0416	-558.0785	-105.91388	29.06062
##	70	-501.7606	147.510601	-189.48139	1729.1263	-452.3351	-483.78773	906.86589
##	72	-630.1781	188.136357	49.82968	6716.2115	-620.9577	10.64279	757.49884
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##	40	-665.0016	-556.7502	9.841713	-840.0462	-2364.7774	-310.3058	
##	42	-1168.0637	-667.9765	-230.400190	-938.1129	-1531.9665	-152.2616	
##	47	-401.9559	-438.9889	-931.310087	-674.2574	-1192.7196	617.5410	
##	48	-689.9402	-842.3686	-1367.157760	-1364.9802	-1719.9206	163.6588	
##	49	-1901.9602	-1118.4975	-1496.043635	-898.0805	-2231.4947	-760.5926	
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##	43	-1086.8517	-476.2989	-834.209119	-585.7773	-1263.7014	-288.9223	
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##		X07767_at	X07820_at	X07834_at	X07876_at	X07948_at	X07979_at	
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##	40	-27.00980	-367.8863	-448.49893	-70.77096	37.48034	4146.42363	
##	42	-741.65007	-531.7920	-56.26268	-534.02457	-547.41977	2057.94535	
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##	48	1269.85345	-864.1441	-868.49916	-480.89553	-295.80391	4344.55190	
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##	41	-409.74091	-536.1309	-712.17406	-567.72838	-145.67615	1519.96313	
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##	48	-1081.8989	-637.67902	8586.416	-781.397220	-892.4522	-78.04906	
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##	46	-776.2872	-285.87988	8451.470	-146.406231	-438.8510	-612.06827
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##	72	-1206.4560	98.23702	5494.503	-632.483261	-644.0088	-1589.10444
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##	42	-335.32920	-4184.2148	-877.8345	-395.60757	419.2667	-417.93290
##	47	64.22431	-1068.5501	-661.1870	-425.91845	770.0299	351.77472
##	48	-901.16239	-1515.2311	-1288.7660	-1044.88059	1522.4491	-411.21398
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##	46	-69.92068	-1475.9051	-756.0411	-600.82039	321.5054	335.00283
##	70	-324.27819	-2404.6421	-607.3515	-452.33514	147.5106	444.06355
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##	44	-931.0504	114.34778	3373.263	-235.6334	1412.00509	-1233.307
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##	68	-1029.5323	-1097.16874	4822.110	-870.2594	39.55960	-802.623
##		X13482_at	X13546_rna1_at	X13589_at	X13794_rna1_at	X13839_at	X13916_at
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##	40	141.12521	2822.073	-743.3110	5452.349	-777.8593	-1127.9486
##	42	381.31364	9996.830	-897.9273	2928.633	-1047.5070	-732.7199
##	47	68.58113	5338.160	-839.8168	6368.549	-669.9006	-702.5768
##	48	189.78940	14886.064	-1140.6927	12116.222	-979.5541	-973.0215
##	49	321.85171	2419.088	-871.8923	2405.993	-1312.7265	-601.2812
##	41	484.01675	9344.857	-883.7033	4424.676	-870.1615	-558.7005
##	43	136.35931	5974.507	-617.3576	2574.360	-985.7946	-400.5061
##	44	566.59613	10006.996	-596.9775	4639.104	-937.8682	-458.3486
##	45	202.53795	5717.371	-622.1099	4955.468	-1077.0108	-678.1322
##	46	116.79405	4921.886	-612.0683	3207.710	-861.7711	-434.3518
##	70	64.38591	4193.661	-602.8582	4395.856	-856.7255	-119.8364
##	72	1822.46026	8977.526	-966.7244	4766.087	-1284.8298	-484.9561
##	68	194.46883	5638.110	-1099.3506	7669.385	-669.5320	-1018.6232
##		X13956_at	X13967_at	X13973_at	X14046_at	X14329_at	X14346_at
##	39	-75.84995	426.24637	825.34858	3818.6151	1503.39319	-685.2318
##	40	-395.52489	491.21455	279.31837	670.8657	148.03487	-1121.0390
##	42	-1132.34321	-94.21572	1443.99898	3026.8643	495.17279	-634.4885
##	47	-188.47151	-600.19143	467.23057	358.3100	-334.42513	-839.8168

## 48	-189.10403	-324.11204	978.06195	7399.6524	165.83637	-1397.6434	
## 49	-1231.97960	1039.84400	1515.59572	6648.4767	2375.44058	-1009.3802	
## 41	538.18388	-177.27364	377.93945	2106.7737	-86.99509	-725.7158	
## 43	-476.29885	-126.81000	1805.90544	4896.5659	186.88782	-126.8100	
## 44	-144.72916	-333.35536	-47.00716	2586.9418	257.52188	-1337.8467	
## 45	-39.47828	-218.74956	630.54813	8623.8063	-185.13620	-1397.4582	
## 46	204.52748	168.53428	962.63427	9585.2555	76.30170	-724.5470	
## 70	169.97673	336.22612	1037.16946	12115.2195	318.25321	-800.5602	
## 72	-256.75012	-125.35878	393.29126	6100.7468	-58.51055	-1047.4033	
## 68	183.55973	-366.25897	541.37825	2138.4707	-623.71375	-1206.2598	
##	X14362_at	X14445_at	X14448_at	X14675_at	X14787_at	X14789_at	
## 39	-685.2318	-200.3012	1451.89613	623.65177	-726.0003	617.21463	
## 40	-651.1822	-1418.1543	2536.47332	1631.30812	-683.4273	-169.80940	
## 42	-797.4634	-379.9798	999.72507	200.47853	-822.0212	-509.46672	
## 47	-397.5991	-425.9184	-40.33948	-238.57499	-571.8721	72.93796	
## 48	-1094.9642	-1219.0845	1272.03100	-343.70998	-1071.0112	-121.60003	
## 49	-701.6692	-1022.4743	2362.34650	904.53846	-769.3220	241.10486	
## 41	-707.6601	-152.4470	953.46522	134.18736	-703.1462	70.99238	
## 43	-541.5648	-596.3041	702.69967	530.06060	-526.8274	-320.50262	
## 44	-585.6145	-769.6955	648.40990	-501.52811	-687.8817	282.52053	
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## 46	-612.0683	-308.3756	717.43059	231.52238	-740.2940	-96.91558	
## 70	-528.7200	-202.9611	524.94163	439.57033	-578.1455	107.07156	
## 72	-722.3826	-574.8555	1405.23512	-86.17189	-842.2484	162.78013	
## 68	-1014.2596	-324.8044	925.37861	163.92335	-1012.0778	-484.07726	
##	X14813_at	X14830_at	X14850_at	X14894_at	X14968_at	X14975_at	X15088_at
## 39	-211.02973	-663.7747	1975.44956	-751.7489	-1110.0826	-648.7547	-303.2953
## 40	-810.10437	-172.1126	53.60288	-614.3307	-1208.5613	-515.2923	-665.0016
## 42	-129.93624	-594.3029	1861.48251	-891.2297	-1304.2482	-469.2811	-822.0212
## 47	-595.83460	-430.2753	1506.33321	-571.8721	-996.6625	-188.4715	-558.8016
## 48	-147.73061	-591.9505	3839.36065	-1062.3010	-1358.4476	-1166.8233	-1073.1887
## 49	-939.54506	-775.8690	906.72081	-767.1396	-1587.7022	-324.1231	-668.9340
## 41	21.33917	-299.1497	6139.96803	-696.3753	-1001.0654	-540.6448	-579.0132
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## 44	-1469.65773	-172.0004	5173.16596	-794.6941	-801.5119	-296.9937	-660.6104
## 45	-1576.72951	-424.9115	3052.95130	-566.0877	-964.9663	-198.5815	-619.8691
## 46	-227.39093	-463.5963	1270.82605	-708.8000	-679.5555	-551.3297	-650.3110
## 70	-634.31082	-488.2810	1455.03952	-659.0236	-766.8610	-335.5113	-634.3108
## 72	-182.98656	-254.4450	483.19060	-844.5535	-1167.2691	-521.8379	-925.2324
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##	X15183_at	X15187_at	X15217_at	X15218_at	X15306_rna1_at	X15341_at	
## 39	10144.171	1037.7739	-794.6631	-1352.5479	-382.6866	5522.310	
## 40	6244.656	767.6009	-830.8333	-397.8281	-363.2798	9849.195	
## 42	14560.126	1535.5328	-962.6708	-328.6316	-266.1207	6770.821	
## 47	15160.621	2528.0086	-772.2860	-656.8301	-351.8524	8135.242	
## 48	35694.717	3347.2347	-1127.6274	-1262.6354	-705.1830	18470.309	
## 49	7421.028	350.2222	-1081.3976	-1596.4316	-441.9699	8027.720	
## 41	17761.075	700.6853	-890.4742	-689.6044	-502.2764	7667.933	
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## 72	11577.691	1891.6136	-1047.4033	-761.5695	-964.4193	8334.400	

## 68	14989.392	901.3786	-1230.2598	-1129.8960	-647.7138	13152.299	
##	X15357_at	X15376_at	X15393_rna1_at	X15414_at	X15525_rna1_at	X15573_at	
## 39	1057.085345	-489.9721	814.6200	1679.341	235.27811	-2539.1259	
## 40	-287.273581	-179.0223	-699.5498	1688.889	-229.69310	-2588.1897	
## 42	363.453384	-634.4885	1374.7905	2493.289	153.59535	-3474.2695	
## 47	-310.462598	-114.4055	841.9175	480.301	-181.93628	-1929.0229	
## 48	651.429679	-772.6870	599.1685	6376.205	-93.29190	-1545.7167	
## 49	-315.393714	-695.1222	1471.9488	3017.051	-967.91557	-7975.4329	
## 41	-292.378796	-308.1775	289.9179	2278.303	-190.81543	1506.4214	
## 43	130.043247	-472.0881	3936.5242	2130.130	245.83775	-2002.6809	
## 44	-26.553715	-996.9559	475.6919	2464.221	-333.35536	1818.8013	
## 45	238.392202	-256.8447	460.2404	2963.316	-191.85887	1123.5441	
## 46	634.196313	-596.3212	110.0453	3054.739	-274.63201	-281.3807	
## 70	-539.953060	-652.2837	246.3616	2113.297	-56.93121	-2649.5229	
## 72	365.629926	-685.5008	485.4957	2984.236	-97.69744	-2497.3183	
## 68	-6.258629	-512.4409	118.1051	3403.926	-372.80443	2193.0162	
##	X15722_at	X15822_at	X15875_at	X15880_at	X15882_at	X15940_at	X15943_at
## 39	-1017.8170	3383.036	-779.6431	-108.0356	-314.02385	31702.13	-507.1378
## 40	-1040.4263	4814.357	-142.1708	4441.2357	58.20932	43764.10	-570.5696
## 42	-868.9044	5487.115	-846.5791	-272.8183	-40.63495	41935.44	-868.9044
## 47	-698.2200	1456.230	-388.8854	-260.3591	-110.04867	29723.31	-471.6651
## 48	-1123.2723	10955.589	-761.7993	-794.4625	-589.77295	38521.18	-951.2460
## 49	-1472.0378	5286.692	472.4337	2294.6937	-278.29381	38565.31	-815.1513
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## 44	-737.8790	5475.422	-1035.5902	-228.8155	-558.34323	39112.25	-728.7886
## 45	-814.8266	3749.868	-2892.1325	-1195.7780	-687.09578	46335.76	-727.4318
## 46	-717.7983	3371.929	-738.0445	-438.8510	-355.61671	38867.97	-650.3110
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##	X15949_at	X16064_at	X16135_at	X16282_at	X16316_at	X16354_at	X16396_at
## 39	-262.52679	66700.82	4082.538	-489.9721	4378.646	-438.47508	-768.914538
## 40	37.48034	63691.55	3213.620	-782.4657	1548.392	-402.43455	-245.815633
## 42	-475.97873	55770.44	4413.267	-1239.5048	2011.062	-549.65230	-94.215724
## 47	-59.94519	40188.40	3959.225	-909.5260	1693.677	-367.10132	123.041439
## 48	677.56026	41957.35	7475.867	-1617.5758	2702.680	-983.90923	326.974956
## 49	-385.22883	39176.36	4184.607	-638.3811	3374.956	-487.79916	-618.739997
## 41	-208.87114	43517.55	5309.405	-664.7778	2427.263	-633.18033	-5.744394
## 43	-76.28150	41708.69	3222.809	-461.5614	2631.204	-97.33504	-187.865284
## 44	-433.34997	42023.45	4400.480	-744.6968	3345.992	-444.71299	-1058.316272
## 45	-108.94590	42116.16	2450.152	-700.5411	2199.172	-586.25569	-1280.931897
## 46	-501.83909	47101.42	2924.264	-913.5113	2879.272	-589.57252	-375.862887
## 70	-380.44352	38533.14	4687.916	-670.2566	1843.704	-373.70368	-472.554662
## 72	-768.48483	55549.99	4982.768	-1413.9160	2703.013	-773.09505	-445.769247
## 68	39.55960	45777.06	6678.839	-868.0776	3310.108	-758.98661	-322.622562
##	X16416_at	X16560_at	X16662_at	X16663_at	X16665_at	X16667_at	X16706_at
## 39	-45.810001	3921.609	-706.6889	1752.2956	-382.6866	-170.2612	-1202.3481179
## 40	1403.289407	7624.285	-522.2020	2220.9323	424.4212	429.0276	-817.0140266
## 42	-170.121819	4928.982	-804.1610	2381.6625	-482.6763	-788.5332	-1174.7613230
## 47	-9.841708	5159.531	-674.2574	850.6311	-462.9515	-251.6455	-693.8631526
## 48	838.698848	12627.946	-1090.6091	3055.4432	-857.6114	-827.1257	-504.8485630
## 49	-308.846672	3182.909	-810.7866	1917.1476	1410.8430	409.1456	-468.1580291
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## 68 -1204.077936 -811.3503 51362.52 -857.16852 -868.0776 3244.6535 -575.713709
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## 39 3383.036 -773.2060 -603.6948 59.32983 -663.7747 -717.4175 -779.6431

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##	47	1414.840	-940.0237	-558.8016	-393.24226	-702.5768	-772.2860	-776.6428
##	48	6872.686	-1121.0948	-844.5461	-655.09941	-1075.3663	-1108.0295	-1047.0581
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##	44	2857.382	-785.6037	-721.9708	-87.91404	-885.5983	-751.5146	-653.7926
##	45	4695.524	-940.3165	-893.2578	-888.77597	-879.8124	7496.6382	-590.7375
##	46	6663.057	-738.0445	-528.8340	-490.59121	-434.3518	-643.5623	-535.5827
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##	72	8041.651	-992.0806	-577.1606	-487.26125	-759.2644	-660.1446	-777.7053
##	68	10619.206	-1105.8960	-316.0771	-872.44126	-1079.7142	-931.3504	-1173.5325
##		X51804_at	X51952_xpt1_at	X51953_at	X51954_at	X51956_rna1_at	X51985_at	
##	39	-371.95804	-1732.3387	-1286.0308	-721.7089	-655.19187	-2472.609	
##	40	329.98920	-1848.8563	-916.0525	-476.1376	-612.02751	-2678.015	
##	42	236.19905	-2063.3092	-679.1392	-690.3018	-730.48741	-1790.940	
##	47	-371.45814	-1526.0166	-789.7133	-772.2860	-526.12541	-1312.532	
##	48	46.07120	-1837.5082	-1232.1498	-881.5644	-1103.67439	-2273.018	
##	49	-354.67597	-2591.5820	-1098.8564	-1083.5800	-618.74000	-1677.178	
##	41	-254.01041	-1174.8516	-931.0996	-750.5424	-522.58910	-1247.074	
##	43	443.74107	-819.4716	-1152.1177	-571.0398	-11.01551	-1457.394	
##	44	-178.81823	-1394.6618	-1408.2974	-521.9816	-583.34188	-1101.496	
##	45	619.34367	-1634.9927	-2058.5211	-610.9055	-812.58568	-1191.296	
##	46	-99.16516	-1052.9850	-942.7558	-652.5606	-596.32124	-1019.241	
##	70	-279.34592	-1283.5821	-746.6415	-609.5981	-710.69567	-1083.633	
##	72	135.11880	-1575.2738	-676.2804	-662.4497	-936.75795	-1243.338	
##	68	290.46892	-1786.6239	-1308.8053	-889.8958	-553.89551	-1550.987	
##		X52001_at	X52003_at	X52005_at	X52008_at	X52011_at	X52056_at	
##	39	-798.9545	-511.4292	-397.7066	48.60127	-236.7783	-1861.08133	
##	40	-556.7502	-455.4086	-1065.7617	-945.99431	-455.4086	-1397.42530	
##	42	-676.9066	-563.0475	-991.6937	-819.78870	-752.8127	-1272.99274	
##	47	-765.7508	-114.4055	-571.8721	-301.74895	-238.5750	96.90049	
##	48	-1031.8153	-726.9585	-973.0215	-811.88290	-480.8955	-524.44650	
##	49	-730.0397	-1125.0446	-354.6760	-880.62168	208.3697	-1976.16005	
##	41	-486.4777	-560.9575	-712.1741	-1001.06543	-308.1775	-86.99509	
##	43	-547.8809	-299.4491	-446.8239	-501.56311	-526.8274	-1194.22474	
##	44	-494.7103	-878.7805	-958.3217	-1315.12061	-940.1408	-590.15969	
##	45	-422.6706	-709.5047	-1283.1728	-1050.12012	-281.4945	-449.56134	
##	46	-738.0445	-627.8153	-623.3161	-1244.19886	-470.3450	-891.01557	
##	70	-593.8718	-609.5981	-445.5953	-915.13748	-472.5547	-778.09407	
##	72	-897.5711	-542.5839	-846.8586	123.59324	-312.0728	-1102.72596	
##	68	-994.6232	-791.7139	-970.6232	-1094.98692	-944.4413	-97.89508	
##		X52142_at	X52151_at	X52192_at	X52221_at	X52425_at	X52479_at	X52520_at
##	39	-599.40339	177.34392	634.3803	-1161.57961	-258.23537	63.62125	-434.1837
##	40	-409.34421	118.09302	2025.1586	-1150.98083	438.24051	576.43367	-319.5187
##	42	-772.90552	-498.30406	1095.7240	-1699.40640	19.64342	75.45673	-549.6523
##	47	-388.88544	434.55439	1310.2761	-885.56343	-251.64547	-539.19588	-526.1254
##	48	-552.75463	-639.85657	222.4526	-1428.12912	-19.25525	-180.39384	-842.3686
##	49	-44.78264	-570.72836	1343.1903	-3538.72076	51.24064	354.58693	-513.9873
##	41	91.30505	-267.55219	1219.7869	-102.79384	294.43179	-405.22699	-427.7966
##	43	-309.97585	-21.54228	1092.1903	-1238.43719	367.94831	-238.39379	-295.2384
##	44	271.15751	16.62578	398.4234	-87.91404	-290.17587	-215.17991	-596.9775
##	45	-79.81432	-294.93986	605.8983	-666.92776	-516.78807	-28.27383	-142.5593

##	46	-425.35354	-285.87988	859.1538	-274.63201	193.27960	-288.12946	-508.5878
##	70	-355.73077	-126.57622	603.5731	-362.47061	304.77353	-209.70091	-319.7850
##	72	-660.14460	-49.29011	-113.8332	-1407.00065	536.20816	75.18590	-641.7037
##	68	-215.71337	-503.71364	1211.1971	-861.53216	-163.34969	-665.16834	-835.3503
##		X52541_at	X52599_at	X52638_at	X52730_rna1_at	X52773_at	X52851_rna1_at	
##	39	342.5637	-663.77471	-747.45743	1881.0383	-324.7524	9298.760	
##	40	-324.1251	-56.95165	1483.90208	1893.8751	-397.8281	19849.773	
##	42	653.6826	-991.69368	193.78093	1961.9465	-1357.8290	15803.646	
##	47	961.7302	-848.53042	-81.72931	1443.1593	-1133.9024	13609.592	
##	48	1215.4147	-1473.85764	-703.00547	2042.8832	-1952.9183	29358.051	
##	49	3938.0013	-1055.20947	-1273.44420	1986.9827	-1063.9389	17291.785	
##	41	720.9979	-703.14621	-752.79941	1113.7097	-926.5856	14750.285	
##	43	266.8913	-537.35413	-813.15557	890.0762	-1796.3561	12058.982	
##	44	-437.8952	-690.15430	-203.81689	1348.3722	-778.7859	14622.657	
##	45	2889.3663	-776.73142	-644.51885	1426.0644	-292.6990	13580.657	
##	46	1147.0994	-567.07677	-857.27195	1111.1062	-843.7745	10813.523	
##	70	3200.6580	-234.41366	-205.20768	1499.9718	-715.1889	8527.378	
##	72	1555.0673	-1091.20041	-791.53594	2198.1934	-1529.1716	18223.327	
##	68	4089.0179	-1070.98690	-1681.89657	574.1056	-892.0776	23225.763	
##		X52882_at	X52943_at	X52947_at	X52966_at	X53331_at	X53414_at	X53416_at
##	39	451.9949	327.54368	-625.1519	11116.178	333.98081	-659.4833	-721.70890
##	40	1564.5148	723.83970	-727.1885	15842.171	306.95701	1792.5335	1166.05782
##	42	3734.5771	-161.19169	-690.3018	10318.315	-158.95916	-962.6708	-413.46783
##	47	1515.0469	-534.83906	-580.5857	12213.229	-51.23154	343.0611	-338.78196
##	48	7536.8380	-467.83024	-1038.3479	23964.264	-12.72261	1452.7675	492.46864
##	49	633.9274	478.98072	-660.2046	3916.178	636.10973	-1469.8555	420.05735
##	41	1677.9506	-208.87114	-732.4867	17679.824	131.93040	-739.2576	635.23333
##	43	1921.6999	-25.75299	-802.6288	17513.955	10.03804	245.8377	-798.41809
##	44	1300.6475	-653.79263	-724.2434	16004.400	-367.44443	-596.9775	-937.86822
##	45	2192.4492	-570.56945	-586.2557	15386.815	-483.17470	1121.3033	307.85982
##	46	1851.2164	-112.66261	-634.5640	9956.435	-220.64221	-861.7711	1185.34220
##	70	805.7683	140.77076	-575.8989	15056.036	-288.33237	-881.4383	-56.93121
##	72	3101.7970	-143.79967	-909.0966	17338.164	89.01657	909.6362	559.25927
##	68	4800.2913	-532.07730	-970.6232	19852.669	-562.62279	-1127.7142	10060.65992
##		X53586_rna1_at	X53587_at	X53742_at	X53777_at	X53793_at	X53795_at	
##	39	-515.7207	-2077.798	-1959.7840	17881.60	-444.91221	67.91267	
##	40	2481.1961	-1747.515	-966.7233	22742.62	97.36405	306.95701	
##	42	-449.1883	-1723.964	-424.6305	31123.28	124.57244	-922.48518	
##	47	728.6400	-1247.180	-1014.0898	13847.04	-269.07277	-480.37875	
##	48	-718.2483	-1824.443	-1780.8920	25782.52	65.66914	-663.80960	
##	49	-610.0106	-2327.518	-1506.9554	21237.47	20.68778	-1352.00871	
##	41	-615.1246	-1382.492	-1071.0313	23130.39	258.32037	-757.31334	
##	43	-278.3955	-1360.548	-1118.4320	18313.99	-42.59582	-1328.96743	
##	44	-562.8884	-1951.450	-826.5106	22597.23	-199.27168	-467.43904	
##	45	-626.5917	-1673.088	-1908.3814	28610.31	-326.31233	-662.44598	
##	46	-288.1295	-1259.946	-616.5674	25006.09	-141.90708	-650.31104	
##	70	-497.2674	-1537.449	-703.9558	22350.79	-52.43798	-465.81482	
##	72	-478.0408	-1381.644	-1296.3553	26092.98	-567.94014	-1063.53907	
##	68	-922.6231	-1897.897	-1705.8966	25970.49	355.92353	-436.07721	
##		X53961_at	X54131_at	X54150_at	X54162_at	X54232_at	X54304_at	X54326_at
##	39	-2084.2353	-850.4515	-751.7489	-717.4175	1705.09000	-13.62434	-427.74652
##	40	-2758.6279	-738.7046	-641.9694	-1215.4710	-1703.75347	1265.09625	-294.18324
##	42	-214.7725	-752.8127	-563.0475	-701.4645	428.19682	323.26780	-440.25822
##	47	-1495.5189	-600.1914	-794.0701	-789.7133	31.54812	674.17974	-284.32165

## 48	-1367.1578	-914.2277	-990.4419	-1075.3663	298.66683	2291.12368	-239.18765
## 49	-3567.0913	-928.6333	-548.9049	-1111.9505	1408.66070	673.20964	-241.19390
## 41	-908.5299	-653.4930	-696.3753	-901.7590	278.63304	1366.48960	-80.22420
## 43	10202.0592	-497.3524	-526.8274	-794.2074	180.57176	1892.22497	-415.24357
## 44	-926.5052	-903.7791	-565.1610	-1642.3757	-494.71029	314.33700	-467.43904
## 45	-933.5938	-678.1322	-507.8245	-1377.2902	-70.85076	919.62307	-171.69085
## 46	-1406.1683	-672.8068	-477.0938	-650.3110	341.75156	1394.55268	-479.34334
## 70	-1254.3761	-616.3379	-504.0072	-798.3136	693.43763	1295.52998	-205.20768
## 72	-1305.5758	-943.6733	-708.5519	-717.7724	909.63619	536.20816	-482.65103
## 68	-1380.8054	-966.2595	-905.1686	-1049.1687	28.65050	1979.19778	-91.34962
##	X54380_at	X54637_at	X54673_at	X54816_at	X54870_at	X54871_at	X54925_at
## 39	-620.8605	-90.86993	-427.7465	-522.1578	52.89270	-633.7348	-444.9122
## 40	-858.4720	198.70570	-1019.6973	295.4409	705.41395	-229.6931	-701.8531
## 42	-817.5562	296.47742	-942.5780	-402.3052	95.54952	-1047.5070	-674.6741
## 47	-794.0701	271.17347	-868.1361	-669.9006	-223.32611	-334.4251	-698.2200
## 48	-763.9768	313.90966	-1269.1681	-1079.7214	1023.79047	-1293.1211	-1068.8336
## 49	-1096.6741	537.90410	-994.1037	-566.3637	1391.20192	-754.0455	-869.7099
## 41	-579.0132	-14.77225	-852.1058	-254.0104	2172.22567	-597.0689	-572.2423
## 43	-516.3006	201.62530	-880.5269	-278.3955	104.77899	-356.2936	-562.6184
## 44	-619.7036	321.15481	-849.2366	-551.5254	-674.24607	-542.4350	-724.2434
## 45	-624.3508	601.41654	-1229.3914	-180.6544	-156.00461	-734.1545	-662.4460
## 46	-492.8408	559.96034	-695.3025	-639.0632	283.26260	-454.5980	-652.5606
## 70	-184.9882	601.32648	-602.8582	-450.0885	2254.83385	-587.1319	-600.6116
## 72	-780.0104	960.34864	-1075.0646	-616.3475	354.10437	-1266.3889	-828.4177
## 68	-985.8959	414.83268	-1101.5324	-560.4410	8714.47684	-538.6228	-926.9868
##	X54936_at	X54938_at	X54941_at	X54942_at	X55079_rna1_at	X55330_at	
## 39	-500.7007	748.10299	78.64122	1778.04417	421.95495	-685.2318	
## 40	-570.5696	668.56244	-206.66090	-84.59028	903.49081	-584.3889	
## 42	-529.5595	-283.98096	638.05485	622.42712	-118.77358	-676.9066	
## 47	-380.1718	430.19757	650.21720	1231.85327	1075.00759	-669.9006	
## 48	-885.9195	70.02424	2328.14201	3763.14645	797.32543	-955.6011	
## 49	-271.7468	-121.16480	-125.52949	852.16212	871.80325	-762.7749	
## 41	-572.2423	644.26118	614.92065	2276.04601	-177.27364	-599.3259	
## 43	-446.8239	1258.51326	216.36278	2584.88661	176.36105	-667.8861	
## 44	-465.1664	166.61769	-276.54024	202.97937	-103.82228	-508.3459	
## 45	-774.4905	359.40032	-1599.13842	245.11487	-19.31026	-516.7881	
## 46	-337.6201	427.23541	-121.66091	775.91954	305.75835	-443.3501	
## 70	-324.2782	293.54046	-411.89610	960.78460	253.10142	-539.9531	
## 72	-454.9897	600.75128	370.24015	-49.29011	328.74815	-862.9944	
## 68	-691.3502	187.92337	-357.53169	462.83272	294.83256	-837.5321	
##	X55448_cds2_at	X55544_at	X55666_at	X55668_at	X55715_at	X55733_at	X55740_at
## 39	-762.4774	-558.6349	840.36856	-1343.9650	29717.34	4202.697	-577.9463
## 40	-1137.1615	-547.5374	825.18136	-1360.5738	32443.78	2204.810	-195.1448
## 42	-571.9776	-509.4667	1821.29693	274.1521	35474.49	3913.180	-804.1610
## 47	-844.1736	-626.3324	920.34032	-443.3457	21299.39	2824.273	-785.3565
## 48	-602.8382	-733.4912	1084.76183	-1417.2414	32143.14	1938.361	-988.2643
## 49	-655.8399	-507.4403	3470.97895	-1205.7914	41463.46	5107.739	1690.1835
## 41	-579.0132	-590.2980	359.88374	-718.9450	37182.25	4801.588	-820.5083
## 43	-558.4077	-642.6219	797.44063	4578.6573	29390.26	3031.222	-274.1848
## 44	-708.3351	-362.8992	1039.29791	-674.2461	36589.65	3891.417	-271.9950
## 45	-169.4500	-133.5957	1291.61097	-566.0877	36939.71	6360.506	-156.0046
## 46	-132.9088	-438.8510	69.55297	-216.1431	34069.63	4521.462	-513.0870
## 70	-701.7092	-373.7037	812.50813	-463.5682	35515.94	3760.065	210.4158
## 72	-927.5375	-814.5871	1407.54023	-1111.9464	37855.96	1578.118	-293.6319

## 68	253.3780	-628.0774	159.55971	-1513.8964	34167.59	9187.932	-728.4411
##	X55777_cds2_at	X55885_at	X55889_at	X55954_at	X56199_at	X56253_rna1_at	
## 39	-1472.7077	-459.9322	-552.1977	25470.98	140.86684	276.0466	
## 40	-1028.9102	887.3683	-492.2601	41562.22	546.49182	1681.9789	
## 42	-1005.0889	-976.0660	-531.7920	35530.30	-440.25822	1736.4607	
## 47	-922.5964	-743.9666	-539.1959	28808.37	-757.03711	1918.0531	
## 48	-1663.3044	-740.0238	-633.3239	31034.76	-439.52211	2674.3722	
## 49	-2094.0068	-548.9049	-677.6634	33246.93	-99.34133	1183.8789	
## 41	-793.4248	339.5711	-518.0752	36250.12	-208.87114	1251.3844	
## 43	-880.5269	-1547.9243	-606.8308	24366.88	186.88782	1351.1489	
## 44	-1244.6699	209.7972	-835.6010	35660.16	-217.45251	893.8512	
## 45	-1966.6445	182.3699	-727.4318	34456.80	-570.56945	973.4045	
## 46	-751.5419	-747.0428	-564.8272	34425.06	1579.01784	526.2167	
## 70	-870.2052	-427.6224	-495.0208	35619.29	-205.20768	540.6679	
## 72	-1224.8969	-385.8364	-669.3650	36177.84	12.94790	1324.5562	
## 68	-1245.5325	216.2870	-313.8953	29007.59	-761.16843	1538.4701	
##	X56411_rna1_at	X56465_at	X56468_at	X56494_at	X56654_at	X56667_at	
## 39	286.7752	-861.1801	3689.872	5316.3213	-1161.5796	125.84686	
## 40	-708.7627	-584.3889	2914.201	5026.2534	-390.9185	-181.32549	
## 42	-469.2811	-875.6020	5449.162	1879.3428	-866.6719	575.54395	
## 47	-388.8854	-757.0371	2911.409	1730.7097	-608.9051	59.86748	
## 48	-607.1933	-1155.9356	7393.120	8100.8230	-1062.3010	-178.21629	
## 49	-162.6294	-662.3869	2890.475	2790.0866	-987.5567	721.22128	
## 41	-430.0536	-655.7500	4183.180	1481.5947	-624.1525	-427.79662	
## 43	-411.0329	-375.2418	2580.676	984.8172	-813.1556	-118.38859	
## 44	-412.8965	-446.9856	3200.545	6175.3847	-658.3378	-467.43904	
## 45	-274.7718	-536.9561	3151.551	4047.9069	-548.1605	-149.28194	
## 46	-432.1023	-384.8612	2366.369	2953.5082	-731.2957	-346.61841	
## 70	-393.9232	-659.0236	3081.588	4454.2682	-953.3299	-259.12640	
## 72	-263.6655	-982.8602	6425.767	6107.6621	-918.3171	674.51484	
## 68	-750.2593	-1158.2597	7438.112	2518.1074	-678.2593	-106.62236	
##	X56677_at	X56692_at	X56741_at	X56807_at	X56932_at	X56997_rna1_at	
## 39	-350.5009	-133.784144	-9.332918	-453.4951	50260.38	17100.56	
## 40	-273.4543	-549.840584	2.932055	-536.0213	49936.73	22321.13	
## 42	-766.2079	-801.928441	256.291837	-589.8379	48833.96	22579.38	
## 47	-131.8328	-772.285993	-105.691847	-584.9425	46527.58	24824.06	
## 48	-1223.4396	-639.856569	-768.331929	-912.0501	48206.91	31126.22	
## 49	-1151.2328	5.411348	-142.988273	-529.2638	50696.98	22265.35	
## 41	-222.4129	-441.338407	-21.543140	-454.8802	57197.00	26378.16	
## 43	904.8137	-899.475109	-21.542278	-446.8239	53039.71	25571.15	
## 44	-269.7224	-417.441732	225.705413	-671.9735	51057.06	21431.38	
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## 46	-490.5912	-369.114162	377.744757	-528.8340	51587.07	18000.92	
## 70	-843.2459	-425.375783	-189.481390	-443.3487	55593.93	23667.30	
## 72	-459.5999	-298.242125	-178.376338	-657.8395	54597.98	29419.25	
## 68	-673.8956	-793.895732	827.196700	-841.8958	47027.24	26640.31	
##	X57025_at	X57129_at	X57206_at	X57303_at	X57346_at	X57398_at	X57522_at
## 39	-515.7207	1348.9020	-996.3599	-50.10142	1093.56243	711.62591	799.600051
## 40	-492.2601	-971.3297	-665.0016	-40.82911	1730.34655	1665.85641	2414.402692
## 42	-694.7669	-460.3510	-306.3063	-118.77358	1403.81340	711.72841	178.153209
## 47	-504.3413	-835.4599	-425.9184	-447.70257	35.90495	105.61414	68.581133
## 48	-942.5358	-1016.5725	-1123.2723	-552.75463	2707.03544	1254.61061	-489.605724
## 49	-692.9398	-1061.7565	-756.2279	254.19895	2113.55890	996.19705	1284.266900
## 41	-567.7284	-585.7841	-366.8586	-364.60164	1689.23542	709.71313	3.283461

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## 43 -238.3938 -722.6253 -472.0881 -288.92230 1172.19373 90.04151 -581.566578
## 44 -919.6874 -715.1530 -728.7886 -185.63605 1898.34251 498.41798 168.890294
## 45 -855.1626 608.1392 -696.0593 -129.11392 1643.43086 1441.75067 740.351786
## 46 -499.5895 577.9569 -560.3280 -216.14306 1075.11302 634.19631 -177.900282
## 70 -414.1427 837.2209 -113.0965 -211.94752 998.97703 178.96319 -268.112854
## 72 -745.4337 -726.9928 -879.1302 -431.93858 3519.02216 1356.82778 676.819949
## 68 -931.3504 -619.3501 -331.3498 -601.89555 2893.38046 1636.65201 726.832969
## X57766_at X57830_at X57959_at X58022_at X58079_at X58234_at X58255_at
## 39 1514.12174 -1088.6254 11914.38 -809.6830 -1088.6254 -912.6772 415.51782
## 40 138.82199 -902.2331 17343.87 -632.7565 -1586.2893 -759.4335 -289.57680
## 42 35.27115 -1726.1968 18065.20 -906.8575 -451.4209 -989.4611 298.70995
## 47 645.86038 -935.6669 11452.96 -789.7133 -972.6999 -739.6098 -55.58837
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## 41 759.36633 -906.2729 12513.63 -696.3753 -678.3196 -1071.0313 -551.92963
## 43 875.33874 -964.7411 10271.54 -697.3611 -571.0398 -676.3075 894.28693
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## 39 -444.9122 -901.9486 2320.90900 -886.9286 -500.70069 -743.16601 9339.529
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## 39 634.3803 -552.1977 -320.4610 -1813.8757 -479.2436 -273.2553 -552.1977

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## 40 629.4077 -476.1376 -883.8074 -1293.7804 -542.9309 -499.1698 168.7638
## 42 202.7111 -167.8893 -353.1895 -987.2286 -699.2320 -335.3292 -924.7177
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## 39 -419.1637 -241.06968 -1146.560 -798.9545 155.886813 -277.546767
## 40 -114.5321 523.45962 -1664.599 -268.8478 518.853184 774.510530
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## 43 -335.2401 -82.59756 -1364.758 -227.8670 1218.511529 -86.808268
## 44 -578.7967 -349.26359 -1165.129 -592.4323 732.496273 -306.084099
## 45 -375.6119 -337.51679 -1101.661 -781.2132 195.815273 5.339538
## 46 -369.1142 -526.58442 -1334.182 -769.5385 254.018129 -398.358637
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## X59871_at X59892_at X60036_at X60188_at X60221_at X60382_rna1_at X60483_at
## 39 -736.7289 3855.092 4767.019 2048.4037 1554.890 -721.7089 -382.68660
## 40 -476.1376 2647.028 6875.739 799.8459 4296.133 -803.1947 -941.38787
## 42 -645.6512 2790.216 7904.947 1120.2818 1700.740 -772.9055 -58.49521
## 47 -571.8721 2087.969 7791.053 1094.6133 2952.799 -807.1406 -600.19143
## 48 -898.9848 2735.344 9267.989 1836.0161 6567.829 -996.9745 -748.73399
## 49 -177.9058 4725.829 6449.883 1947.7005 1404.296 -651.4752 278.20477
## 41 -635.4373 1621.527 9157.529 513.3573 2840.287 -585.7841 -477.44983
## 43 -465.7721 2155.394 4831.300 612.1694 2012.230 -646.8326 -451.03460
## 44 -687.8817 1923.341 6898.073 1077.9322 1898.343 -903.7791 -242.45117
## 45 -705.0229 2057.996 5650.144 1004.7769 1686.008 -516.7881 294.41448
## 46 -616.5674 1891.709 4395.486 276.5139 1232.583 -499.5895 159.53598
## 70 255.3480 3265.810 7673.665 794.5352 1666.221 -647.7905 152.00383
## 72 722.9222 3011.898 13184.354 1930.8005 2354.941 -750.0439 333.35837
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## X60484_at X60486_at X60489_at X60592_at X60655_at X60673_rna1_at
## 39 -839.7230 1378.9420 5942.869 59.32983 -1652.94738 -268.96392
## 40 -625.8468 1324.9799 14870.213 293.13769 -2321.01625 97.36405
## 42 -1002.8563 1220.7458 11925.738 977.39975 -746.11513 -364.35212
## 47 -504.3413 600.1137 15400.247 -35.98266 -68.65884 260.28141
## 48 -722.6034 2299.8339 26459.734 -206.52442 -454.76495 -709.53812
## 49 -710.3986 -703.8515 15860.165 965.64419 -485.61681 73.06412
## 41 -876.9324 4740.6505 11985.504 204.15324 -328.49022 -615.12462
## 43 -1051.0606 1690.1109 10389.436 717.43716 237.41633 -436.29712
## 44 -990.1381 5357.2469 7361.684 -140.18395 -724.24337 -446.98559
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##	46	-857.2719	2391.1144	7864.331	319.25581	-441.10056	-303.87649
##	70	-427.6224	1214.6519	11722.062	437.32371	-299.56544	-292.82560
##	72	-814.5871	842.7880	15494.075	22.16834	-390.44658	-565.63503
##	68	-1324.0780	519.5600	19174.123	434.46906	-994.62319	-728.44113
##		X60708_at	X60957_at	X60992_at	X61070_at	X61072_at	X61079_at
##	39	-762.4774	85.07836	-736.72888	-893.3658	286.77517	-655.1919
##	40	-476.1376	795.23950	-1061.15528	-1323.7223	475.09202	-229.6931
##	42	-748.3477	-792.99831	-364.35212	-931.4153	-62.96027	-708.1621
##	47	-776.6428	-260.35912	-600.19143	-1014.0898	205.82110	-580.5857
##	48	-1186.4212	-676.87489	-866.32161	-1397.6434	-145.55306	-942.5358
##	49	-939.5451	186.54618	20.68778	-1114.1328	1024.56756	-967.9156
##	41	-727.9728	-299.14969	-732.48674	-777.6260	-141.16222	-639.9512
##	43	-682.6236	-773.15384	-406.82215	-571.0398	-82.59756	-768.9431
##	44	-578.7967	-576.52406	-631.06658	-860.5997	68.89568	-776.5133
##	45	-613.1464	366.12299	-597.46014	-792.4177	251.83755	-823.7901
##	46	-571.5759	20.06232	-702.05127	-668.3076	-236.38923	-396.1091
##	70	-703.9558	-609.59807	-337.75787	-557.9260	-122.08299	-634.3108
##	72	-805.3666	-284.41146	-67.73100	-1128.0822	374.85037	-800.7564
##	68	-1110.2597	-158.98604	-745.89569	-1182.2597	-316.07710	-1278.2598
##		X61100_rna1_at	X61118_rna1_at	X61123_at	X61177_at	X61373_at	X61587_at
##	39	-633.73476	-56.53856	2689.97126	-470.6607	-335.48096	-496.40927
##	40	-358.67338	905.79403	-347.15728	-743.3110	901.18759	32.87391
##	42	-364.35212	169.22308	3768.06503	-804.1610	10.71329	388.01124
##	47	-388.88544	732.99687	18.47765	-608.9051	-484.73558	-471.66510
##	48	-470.00779	1622.61630	1890.45476	-907.6950	-829.30329	39.53856
##	49	-40.41795	-557.63427	1096.58503	-1015.9272	-343.76423	-1816.84870
##	41	-204.35721	1176.90464	578.80923	-658.0069	-642.20819	-168.24579
##	43	-208.91883	-11.01551	1780.64118	-562.6184	-512.08988	39.51300
##	44	-387.89787	180.25332	-1087.86013	-603.7953	-412.89652	-424.25955
##	45	-447.32044	3153.79139	-826.03102	-521.2698	-207.54511	-1236.11408
##	46	-324.12266	854.65467	422.73626	-508.5878	-389.36034	-621.06657
##	70	-310.79851	-427.62240	832.72765	-483.7877	-771.35423	-234.41366
##	72	-468.82036	-256.75012	9191.90104	-925.2324	-118.44344	2071.41228
##	68	-19.34955	8184.29452	1473.01549	-942.2595	-765.53207	122.46877
##		X61615_at	X61970_at	X62025_rna1_at	X62048_at	X62055_at	X62078_at
##	39	-346.20951	421.9550	404.78926	-577.94628	642.9632	-655.1919
##	40	839.00067	1193.6964	491.21455	-570.56956	1870.8429	-876.8977
##	42	-404.53770	269.6870	131.27003	-578.67522	-230.4002	-882.2996
##	47	-173.22263	1340.7739	800.52765	-452.05939	804.8845	-550.0879
##	48	-526.62405	2092.9668	379.23612	-491.78327	427.1422	-1116.7397
##	49	-295.75259	1170.7848	1683.63647	-690.75746	3811.4251	-682.0281
##	41	-321.71933	1822.3963	77.76327	-64.42545	6070.0022	-671.5487
##	43	-122.59929	1026.9243	176.36105	-278.39553	1178.5098	-823.6823
##	44	-242.45117	1689.2629	-510.61853	-383.35266	812.0374	-544.7076
##	45	-46.20096	700.0157	706.73842	-424.91153	1284.8883	-478.6929
##	46	-213.89348	254.0181	-18.18045	-585.07337	661.1912	-762.7898
##	70	-104.11009	1277.5571	868.67346	-483.78773	4346.4308	12.7138
##	72	-404.27724	225.0181	252.67947	-803.06150	697.5660	-842.2484
##	68	-983.71409	2308.6526	-335.71348	-558.25915	6513.0202	-977.1686
##		X62320_at	X62466_at	X62535_at	X62573_at	X62654_rna1_at	X62691_at
##	39	-24.35289	5430.0439	1052.79392	342.56365	763.12297	31365.25
##	40	1919.21054	8543.2693	145.73165	1101.56767	949.55520	38123.52
##	42	394.70883	3009.0041	-683.60423	1490.88216	580.00901	28618.38
##	47	887.66414	750.4242	31.54812	105.61414	467.23057	29470.61

## 48	856.11924	2241.0401	2380.40317	324.79741	653.60723	40089.01	
## 49	970.00888	8235.0432	92.70524	1498.13694	592.46279	32151.39	
## 41	484.01675	472.7319	544.95477	70.99238	34.88095	36963.32	
## 43	1536.42006	3972.3152	1492.20762	909.02442	879.54945	36217.92	
## 44	239.34104	3980.0485	175.70811	216.61499	232.52323	33278.47	
## 45	1748.75274	4791.8827	1119.06237	500.57645	1047.35385	40007.48	
## 46	2573.33001	852.4051	825.41019	-177.90028	285.51218	31869.55	
## 70	262.08788	6797.4859	2012.19961	394.63806	426.09065	33267.08	
## 72	158.16991	5780.3363	1478.99868	77.49101	2283.48252	41700.89	
## 68	1106.46969	168.2870	-12.80409	266.46890	1785.01578	37335.59	
##	X62744_at	X62822_at	X63097_at	X63187_at	X63337_at	X63359_at	X63380_at
## 39	7191.672	-1150.8511	-547.9063	-144.5127	-283.983899	-485.68071	-382.6866
## 40	8031.955	-420.8603	-605.1178	-273.4543	-174.415834	95.06083	-1215.4710
## 42	2341.477	-837.6490	-931.4153	-723.7898	-654.581313	671.54283	-1922.6596
## 47	3469.083	-652.4733	-630.6892	-513.0549	-484.735577	142.64715	-600.1914
## 48	5128.469	-1212.5518	-1075.3663	-785.7523	-766.154380	-1055.76833	-1804.8450
## 49	1031.115	-1151.2328	-812.9689	-673.2987	-90.611936	-450.69925	-3534.3561
## 41	3108.866	-874.6755	-687.3475	-554.1866	-342.032000	-515.81821	-1131.9693
## 43	3294.391	-1107.9052	-425.7703	-238.3938	-208.918829	403.73933	-762.6271
## 44	6439.007	-624.2488	-951.5038	-367.4444	7.535357	-744.69682	-556.0706
## 45	2566.678	-752.0816	-857.4035	-640.0371	130.829434	-933.59379	-1184.5736
## 46	6399.857	-621.0666	-501.8391	-555.8289	-389.360337	-234.13966	-879.7677
## 70	1848.197	-762.3678	-625.3244	-510.7471	-463.568209	-396.16981	-863.4654
## 72	8995.967	-1072.7595	-844.5535	-724.6877	-289.021679	-97.69744	-1294.0502
## 68	4955.201	-1077.5324	-1077.5324	-907.3504	-710.986563	-542.98641	-1598.9874
##	X63417_at	X63422_at	X63454_at	X63469_at	X63527_at	X63546_at	X63563_at
## 39	-820.4116	473.4520	-464.22361	59.32983	43175.24	-541.4692	-584.38341
## 40	-208.9641	661.6528	-206.66090	-77.68062	58815.64	-236.6028	175.67350
## 42	-230.4002	638.0548	-547.41977	-377.74732	50086.41	-491.6065	-154.49409
## 47	-554.4448	234.1405	-288.67848	192.75063	31106.60	-375.8150	-201.54199
## 48	-914.2277	771.1948	-726.95851	-38.85319	46390.84	-1012.2174	764.66220
## 49	-723.4927	1242.8023	11.95839	-317.57606	42209.83	-433.2405	-695.12215
## 41	-504.5334	1016.6602	-335.26111	-240.46863	51179.94	-540.6448	657.80296
## 43	-183.6546	500.5856	-375.24184	-324.71333	46492.05	-389.9793	-93.12433
## 44	-749.2420	1012.0267	-458.34862	64.35048	43523.37	-467.4390	159.79987
## 45	-613.1464	915.1413	-301.66253	-57.40541	50454.52	-359.9257	-144.80016
## 46	-697.5521	643.1946	-447.84929	-175.65071	53566.70	-472.5946	-301.62691
## 70	-292.8256	1007.9635	-297.31883	-70.41089	44057.57	-297.3188	-140.05590
## 72	-125.3588	750.5835	-809.97683	-199.12234	44356.37	-337.4290	-328.20857
## 68	-852.8049	1569.0156	-1134.25969	-110.98600	48187.97	-560.4410	-49.89503
##	X63578_rna1_at	X63597_at	X63629_at	X63657_at	X63679_at	X63692_at	
## 39	-595.1120	-717.4175	-893.3658	-659.4833	1235.17934	243.86096	
## 40	-427.7700	-457.7118	-499.1698	-317.2154	175.67350	104.27371	
## 42	-400.0726	-757.2778	-480.4438	-596.5355	993.02747	450.52214	
## 47	-685.1495	-702.5768	-730.8962	-343.1388	362.66679	306.02807	
## 48	-711.7157	-973.0215	-881.5644	-622.4362	477.22580	747.24181	
## 49	-952.6391	-623.1047	-917.7216	-531.4461	424.42204	-81.88255	
## 41	-509.0473	-502.2764	-1143.2541	-430.0536	-226.92685	2713.89698	
## 43	-400.5061	-562.6184	-592.0934	-324.7133	186.88782	1658.53062	
## 44	-458.3486	-717.4256	-633.3392	-374.2622	202.97937	1682.44506	
## 45	-371.1302	-548.1605	-568.3286	-348.7212	605.89833	877.04614	
## 46	-1088.9782	-603.0700	-841.5249	-447.8493	188.78045	712.93144	
## 70	-396.1698	-348.9909	-1099.3598	-297.3188	55.39946	-56.93121	
## 72	-717.7724	-736.2133	-699.3315	-574.8555	1875.47782	231.93347	

##	68	-953.1686	-922.6231	-1238.9871	-743.7139	820.65124	-38.98593
##		X63753_at	X63755_at	X63759_at	X64037_at	X64044_at	X64229_at
##	39	-159.53267	125.8469	-614.4234	1436.87616	-479.2435812	130.138284
##	40	523.45962	-612.0275	-676.5176	1345.70892	-598.2081903	-215.873782
##	42	39.73621	-2456.2348	-614.3957	711.72841	-210.3073995	1051.073311
##	47	133.93350	-462.9515	-757.0371	-90.44296	-550.0879445	-9.841708
##	48	2090.78922	-1251.7477	-1057.9459	307.37702	-973.0214858	856.119236
##	49	-426.69343	306.5753	-655.8399	871.80325	-607.8282601	-352.493619
##	41	750.33848	-470.6789	-700.8892	301.20268	-105.0508010	-141.162222
##	43	1020.60821	-1219.4890	-457.3507	1182.72050	-0.4887328	195.309237
##	44	302.97397	-424.2595	-849.2366	-103.82228	68.8956849	927.940281
##	45	424.38615	-664.6869	-976.1707	209.26062	-306.1443113	-5.864917
##	46	247.26940	-425.3535	-636.8136	40.30850	-117.1617555	231.522378
##	70	-119.83638	-389.4300	-665.7634	64.38591	48.6596167	-45.698141
##	72	-224.47856	-505.7021	-759.2644	905.02597	-208.3427844	-275.191012
##	68	750.83299	-1413.5327	-944.4413	881.74221	174.8324507	135.559687
##		X64269_at	X64330_at	X64364_at	X64559_at	X64594_at	X64643_at
##	39	700.897354	602.1947	690.16880	-1095.0626	-850.4515	-732.4375
##	40	698.504292	2568.7184	95.06083	-874.5945	-641.9694	-570.5696
##	42	-65.192805	1115.8167	18873.37811	-1223.8770	3520.2540	-558.5824
##	47	142.647149	1227.4964	2893.98181	-968.3431	-181.9363	-534.8391
##	48	63.491590	1973.2016	3395.14076	-1863.6388	-798.8176	-914.2277
##	49	1094.402680	2050.2708	40.32891	-2028.5364	-1572.4258	-424.5111
##	41	-233.697738	1463.5390	1632.81132	-809.2235	-703.1462	-454.8802
##	43	-133.126067	1001.6600	6319.78551	-1015.2696	2559.6224	-472.0881
##	44	50.714847	868.8526	1312.01048	-1108.3136	-944.6860	-531.0720
##	45	5.339538	915.1413	984.60891	-949.2800	-803.6221	-541.4379
##	46	-236.389233	1356.3099	877.15042	-679.5555	-760.5402	-438.8510
##	70	138.524148	776.5623	392.39145	-847.7391	-679.2431	-501.7606
##	72	254.984584	623.8024	1663.40758	-1538.3920	-1026.6573	-759.2644
##	68	-154.622404	2851.9259	2035.92511	-1461.5327	-1134.2597	-724.0775
##		X64728_at	X64810_at	X64838_at	X64878_at	X65233_at	X65293_at
##	39	572.1547	-532.8864	-989.9227	-573.6549	-663.7747	-721.7089
##	40	-231.9963	-549.8406	-547.5374	-787.0722	-547.5374	-745.6142
##	42	-674.6741	-683.6042	-813.0911	-763.9754	-699.2320	-1092.1576
##	47	-689.5063	-438.9889	-839.8168	-301.7489	-743.9666	-831.1031
##	48	-474.3629	-927.2930	-561.4648	-914.2277	-1007.8623	-1258.2803
##	49	-878.4393	-404.8700	-1410.9321	-692.9398	-668.9340	-701.6692
##	41	-434.5675	-617.3816	-147.9331	-448.1093	-551.9296	-1043.9477
##	43	-371.0311	-596.3041	-472.0881	-651.0433	-501.5631	-575.2505
##	44	-244.7238	-681.0639	-585.6145	-731.0612	-544.7076	-667.4283
##	45	-281.4945	-646.7597	-657.9642	-799.1403	-570.5694	-250.1220
##	46	-220.6422	-508.5878	-409.6065	-362.3654	-578.3246	-864.0207
##	70	-425.3758	-533.2132	-564.6658	-265.8662	-582.6387	-703.9558
##	72	-399.6670	-752.3490	-745.4337	-676.2804	-743.1286	-1047.4033
##	68	-422.9863	-944.4413	-553.8955	-913.8958	-957.5322	-1003.3505
##		X65614_at	X65633_at	X65644_at	X65663_at	X65724_at	X65867_at
##	39	136.5754	-489.9721	-558.634880	-689.5232	-382.68660	100.09833
##	40	157.2477	-860.7752	-296.486458	-628.1500	-82.28706	765.29765
##	42	-154.4941	-627.7909	-819.788698	-587.6053	-473.74620	33.03861
##	47	-334.4251	-613.2619	-757.037108	-715.6473	-367.10132	155.71762
##	48	-448.2323	-1147.2254	-842.368577	-1140.6927	-787.92987	307.37702
##	49	188.7285	-1090.1270	-352.493619	-782.4160	-417.96404	540.08645
##	41	-360.0877	-590.2980	170.298783	-727.9728	-477.44983	350.85589
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## 43 1553.2629 -722.6253 191.098528 -676.3075 -501.56311 252.15381 -133.12607
## 44 -501.5281 -542.4350 -603.795322 -565.1610 -524.25416 127.98341 23.44359
## 45 -433.8751 -917.9076 -765.526966 -653.4824 -371.13015 370.60477 -514.54717
## 46 -461.3467 -571.5759 -326.372236 -679.5555 -492.84079 35.80935 69.55297
## 70 -160.2754 -382.6901 -7.505715 -607.3515 -465.81482 239.62174 432.83049
## 72 -242.9195 -614.0424 -715.467267 -934.4528 -660.14460 -233.69901 86.71146
## 68 -313.8953 -974.9868 -662.986518 -957.5322 -765.53207 331.92351 -444.80450
##      X65977_at X66079_at X66114_rna1_at X66141_at X66171_at X66358_at
## 39 -706.6889 1338.1735 -813.974465 147.30397 -2545.5631 -985.6313
## 40 -655.7887 1426.3216 290.834471 767.60087 -867.6849 -1286.8708
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## 47 -761.3939 1419.1967 -802.783765 -181.93628 -1587.0122 -698.2200
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## 44 -565.1610 -603.7953 -271.995028 -315.17452 -835.6010 -1037.8628
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## 46 -535.5827 793.9161 4.315297 -29.42833 -580.5742 -945.0054
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##      X66360_at X66362_at X66363_at X66364_at X66365_at X66397_at
## 39 -710.9803 -434.1837 606.48608 1057.08535 -335.4810 462.72346
## 40 -796.2851 -1302.9933 488.91133 1382.56043 1062.4129 663.95600
## 42 -694.7669 -964.9033 316.57021 -194.67967 -420.1654 419.26669
## 47 -680.7927 -894.2771 -127.47597 351.77472 530.4045 -27.26901
## 48 -1064.4785 -1632.8187 326.97496 -315.40185 -339.3549 483.75845
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## 41 -703.1462 -757.3133 127.41647 671.34475 691.6574 982.80575
## 43 -585.7773 -827.8931 -718.41462 829.02094 -768.9431 494.26958
## 44 -896.9613 -808.3297 427.96724 230.25062 -399.2609 334.79044
## 45 -834.9946 -727.4318 180.12904 -212.02689 -1469.1667 554.35783
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##      X66401_cds1_at X66403_at X66417_at X66436_at X66503_at X66533_at
## 39 3265.0217 730.93731 730.937305 1001.29686 -655.19187 -689.5232
## 40 3054.6977 258.58940 1076.232262 -853.86554 -522.20195 -745.6142
## 42 2033.3875 -85.28559 535.358365 -1159.13360 -817.55617 -710.3946
## 47 3194.6027 -205.89881 201.464280 504.26358 -571.87207 -288.6785
## 48 5890.6113 -219.58971 19.940620 -308.86920 -637.67902 -626.7913
## 49 4171.5125 1893.14181 1207.884743 136.35219 -529.26376 -647.1105
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## 43 1749.0609 -299.44907 454.267842 -939.47684 -274.18482 -642.6219
## 44 6109.4791 -524.25416 166.617689 -967.41208 -369.71703 -701.5173
## 45 4074.7976 -310.62609 294.414477 -635.55529 -561.60589 -649.0006
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## 72 964.9589 453.22415 160.475021 409.42704 -669.36504 -798.4513
## 68 3399.5628 -45.53139 -453.531776 -920.44131 -12.80409 -737.1684
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## 40	-441.5893	-476.1376	505.033868	-434.679618	113.48658	-469.2279
## 42	-554.1174	-531.7920	-781.835650	-817.556166	410.33656	-679.1392
## 47	-497.8061	-674.2574	-356.209255	-192.828337	467.23057	-384.5286
## 48	-637.6790	-927.2930	-750.911541	1132.667893	1176.21886	-959.9562
## 49	-321.9408	-651.4752	-570.728355	-9.865084	-84.06489	-812.9689
## 41	179.3266	-484.2207	-405.226986	-202.100244	3614.42554	-737.0007
## 43	-263.6580	-571.0398	-21.542278	469.005323	490.05887	-566.8291
## 44	-360.6266	-565.1610	-90.186648	432.512445	4218.67196	-453.8034
## 45	-496.6200	-485.4156	-254.603818	9.821320	502.81734	-471.9702
## 46	-366.8646	-438.8510	-272.382434	676.938239	1475.53738	-549.0802
## 70	-373.7037	-510.7471	-196.221230	120.551241	486.74920	-519.7335
## 72	-494.1766	-842.2484	-667.059930	-365.090352	2225.85473	-577.1606
## 68	1309.3790	-935.7140	-824.441216	-407.713551	1363.92448	-931.3504
##	X66945_at	X67081_at	X67098_at	X67155_at	X67247_rna1_at	X67318_at
## 39	-329.04383	-573.6549	-479.24358	-211.0297	32354.42	-1120.8111
## 40	-867.68485	-932.1750	-552.14380	-556.7502	54061.79	-1418.1543
## 42	-1281.92287	-676.9066	-469.28114	-493.8390	47195.28	-900.1599
## 47	-802.78376	-789.7133	-497.80605	-360.5661	47695.21	-885.5634
## 48	65.66914	-938.1807	-768.33193	-550.5771	47710.43	-1373.6904
## 49	-799.87483	-712.5809	-260.83503	-450.6993	48047.61	-1186.1503
## 41	-1102.62880	-676.0626	-389.42824	-283.3509	37344.75	-1095.8579
## 43	-168.91709	-697.3611	79.51474	-375.2418	32948.31	-1015.2696
## 44	-67.46060	-703.7899	-231.08814	-708.3351	33614.81	-1744.6429
## 45	522.98536	-229.9540	-243.39936	-633.3144	43554.82	-3143.1123
## 46	449.73116	-472.5946	20.06232	-427.6031	31066.45	-1149.7167
## 70	-906.15102	-344.4977	-189.48139	-313.0451	50938.94	-645.5439
## 72	40.60923	-713.1622	-395.05680	-620.9577	47034.91	-805.3666
## 68	-1304.44167	-1005.5323	-868.07762	-636.8047	50679.61	-1343.7144
##	X67325_at	X67337_at	X67594_at	X67683_at	X67697_at	X67698_at
## 39	-3058.3880	-595.1120	52.892695	969.11120	-251.79824	1115.0195
## 40	-2420.0547	-833.1366	-453.105373	-559.05346	-268.84783	431.3308
## 42	3736.8096	-556.3499	1.783162	-806.39351	-152.26156	2727.7050
## 47	3039.9354	-613.2619	-81.729312	-251.64547	-334.42513	1615.2538
## 48	-2205.5139	-855.4339	-493.960821	-476.54043	-448.23230	5265.6549
## 49	-4941.9701	-653.6576	642.656777	-1048.66243	33.78186	723.4036
## 41	-2190.4854	-454.8802	-642.208185	-360.08771	-348.80289	1321.3503
## 43	-737.3628	-457.3507	262.680581	490.05887	-21.54228	980.6065
## 44	-2824.1302	-883.3257	-340.173171	-549.25281	-496.98290	725.6785
## 45	-2847.3147	-969.4480	-689.336672	-684.85489	-550.40143	1811.4977
## 46	-1370.1751	-578.3246	-87.917280	-74.41983	-409.60651	1651.0042
## 70	-2355.2166	-443.3487	-220.933976	-342.25109	-344.49771	808.0149
## 72	-3018.2734	-634.7884	-372.005686	-192.20701	-155.32522	1783.2734
## 68	-2849.1704	-673.8956	-758.986609	-628.07739	-796.07755	1867.9250
##	X67951_at	X68149_at	X68194_at	X68242_at	X68264_rna1_at	X68277_at
## 39	9899.5595	-1088.6254	-251.79824	-127.3470	52.8927	29530.668
## 40	6901.0739	-734.0981	-333.33797	-556.7502	67.4222	1170.664
## 42	5681.3452	-1192.6216	-424.63049	-603.2331	-955.9732	8867.169
## 47	674.1797	-852.8872	-131.83279	-347.4956	-698.2200	2874.376
## 48	14663.9541	-1558.7820	-358.95281	-842.3686	-944.7134	6931.479
## 49	14109.9223	-1640.0786	-468.15803	-332.8525	-1288.7206	27470.253
## 41	31002.6812	-707.6601	472.73193	-592.5550	-518.0752	6313.754
## 43	9437.8155	-827.8931	-25.75299	-575.2505	-147.8635	7519.838
## 44	20301.8958	-946.9586	-565.16104	-444.7130	-458.3486	3318.720
## 45	9477.5858	-1431.0716	-964.96627	-447.3204	-736.3954	16807.540

## 46	8683.1759	-825.7779	-461.34674	-522.0853	152.7873	8462.718
## 70	6186.4071	-951.0833	-535.45983	-427.6224	-470.3080	17709.287
## 72	3408.3768	-1174.1844	-339.73413	-614.0424	-1141.9129	7306.320
## 68	8197.3854	-1821.5331	137.74151	-741.5320	-728.4411	20875.943
##	X68314_at	X68486_at	X68487_at	X68560_at	X68561_at	X68733_rna1_at
## 39	-944.8628	1451.89613	5.687058	-215.321154	-163.8241	1239.470763
## 40	-1526.4056	1615.18558	-36.222674	-301.092897	-215.8738	1115.386991
## 42	-1087.6926	1140.37460	-413.467832	-199.144738	-409.0028	725.123605
## 47	-1160.0434	454.16010	-192.828337	371.380435	-621.9755	351.774724
## 48	-731.3136	-10.54506	-609.370890	1448.412422	-655.0994	54.781396
## 49	-1133.7740	956.91480	-435.422819	-9.865084	262.9283	775.779966
## 41	-558.7005	134.18736	-445.852335	845.130959	-558.7005	145.472181
## 43	-486.8256	1087.97955	-219.445602	277.418063	161.6236	631.117621
## 44	-367.4444	98.43955	-551.525413	512.053612	-367.4444	441.602864
## 45	-944.7982	630.54813	-487.656482	142.033889	-272.5309	516.262686
## 46	-643.5623	123.54278	-659.309344	-29.428328	-447.8493	6.564873
## 70	-614.0913	446.31017	-519.733540	-140.055898	-216.4407	392.391447
## 72	-842.2484	492.41105	-169.155893	121.288129	-473.4306	365.629926
## 68	-1332.8053	958.10591	-830.986676	953.742273	-503.7136	-163.349685
##	X68742_at	X68836_at	X68994_at	X69089_at	X69090_at	X69111_at
## 39	-856.8887	-908.38574	-65.12140	-959.8828	-1846.0614	3576.1498
## 40	-641.9694	-56.95165	127.30590	-363.2798	-2496.0609	6774.3969
## 42	-661.2789	-755.04526	-324.16654	-982.7636	-1449.3628	2107.0611
## 47	-785.3565	-480.37875	-227.68293	-752.6803	-1371.3494	791.8140
## 48	-916.4052	-726.95851	-315.40185	-1007.8623	-1881.0592	7671.8460
## 49	-747.4985	-939.54506	35.96421	-738.7691	-2161.6596	4514.1410
## 41	-639.9512	-504.53339	-479.70679	-592.5550	-1170.3377	-208.8711
## 43	-636.3058	-244.70986	-411.03286	-562.6184	-1541.6082	2509.0938
## 44	-587.8871	-431.07736	-562.88844	-974.2299	-885.5983	7166.2403
## 45	-691.5776	-445.07955	-720.70915	-1292.1364	-1186.8145	6526.3323
## 46	-558.0785	-92.41643	-472.59461	-769.5385	-1003.4943	1331.5646
## 70	-488.2810	-393.92320	-452.33514	-892.6713	-1072.4004	8444.2534
## 72	-800.7564	-1040.48796	-348.95457	-916.0119	-1496.9000	4660.0523
## 68	-961.8959	-381.53171	-619.35011	-772.0775	-1956.8059	-318.2589
##	X69150_at	X69391_at	X69398_at	X69433_at	X69550_at	X69636_at
## 39	31588.40	14929.11	-309.73243	3807.887	7580.046	488.471986
## 40	60188.36	22887.72	-107.62247	1177.574	6679.965	484.304894
## 42	46751.01	21775.67	-62.96027	5174.560	8364.849	307.640078
## 47	45333.81	23410.27	-425.91845	2462.656	4760.881	-44.696304
## 48	46769.73	26544.66	-718.24831	3122.947	7604.342	-315.401845
## 49	47443.10	20923.21	-531.44610	1227.526	9686.304	559.727577
## 41	52716.93	21852.95	-461.65108	4063.561	5875.903	-317.205398
## 43	41171.82	13732.74	-97.33504	1557.474	3039.643	-162.601030
## 44	36578.29	17283.88	-731.06119	6189.020	3825.511	-321.992333
## 45	53831.54	18400.81	-445.07955	1614.299	3288.245	-28.273827
## 46	52084.23	18216.87	-508.58782	1498.033	4690.180	42.558073
## 70	56730.71	20611.91	-178.24832	1899.869	5865.141	1.480738
## 72	49164.84	27593.60	144.33924	3168.645	10973.752	-325.903460
## 68	38766.87	26236.68	2079.56151	2710.108	8915.204	-730.622946
##	X69819_at	X69838_at	X69878_at	X69908_rna1_at	X69910_at	X69978_at
## 39	218.1124	1228.74221	1037.77395	4408.686	876.845639	-397.70657
## 40	818.2717	-665.00155	-107.62247	3722.631	293.137690	226.34433
## 42	200.4785	75.45673	1236.37349	3031.329	-440.258219	-368.81719
## 47	260.2814	-223.32611	-604.54825	3987.545	-621.975549	-493.44923

## 48	-500.4935	1964.49141	-374.19565	10742.189	15.585523	-489.60572	
## 49	1116.2262	-402.68761	878.35029	4653.811	-116.800104	-468.15803	
## 41	-834.0501	39.39488	-23.80010	9868.472	-624.152475	-335.26111	
## 43	692.1729	64.77726	-198.39206	4218.642	39.513003	-97.33504	
## 44	1109.7487	1264.28578	198.43416	8547.984	327.972627	-471.98425	
## 45	-747.5998	509.54001	570.04407	7548.179	130.829434	-308.38520	
## 46	-425.3535	1500.28271	503.72096	5194.085	-411.856088	-461.34674	
## 70	545.1611	127.29108	-74.90411	4746.328	-342.251092	-27.72523	
## 72	1774.0529	-79.25655	188.13636	4480.254	614.581944	-478.04080	
## 68	-955.3504	574.10555	785.74212	7861.385	6.832293	-379.34989	
##	X70040_at	X70070_at	X70083_at	X70218_at	X70297_at	X70340_at	
## 39	1499.1018	130.138284	-706.68893	1917.51537	12.12419	-371.9580	
## 40	650.1367	9.841713	-688.03374	873.54896	263.19584	-752.5239	
## 42	1138.1421	-1851.218589	-1353.36390	1711.90285	-763.97539	-837.6490	
## 47	247.2109	-2107.652699	-885.56343	92.54367	-401.95591	-757.0371	
## 48	292.1342	-1171.178397	-1700.32268	2034.17296	-541.86689	-1010.0398	
## 49	2272.8703	-116.800104	-2026.35404	2272.87025	-332.85249	-407.0523	
## 41	197.3823	-2955.596080	-1283.18590	1944.27233	-642.20819	-714.4310	
## 43	-177.3385	-3177.468690	-82.59756	1405.88808	-309.97585	-575.2505	
## 44	930.2129	-710.607745	-735.60640	1927.88637	-683.33649	-2271.8872	
## 45	756.0380	-256.844709	-971.68894	946.51376	-651.24153	-3524.0638	
## 46	654.4425	-1568.137666	-920.26005	2388.86486	-391.60991	-560.3280	
## 70	673.2181	-2818.018915	-1492.51709	2286.28643	-504.00725	-676.9965	
## 72	822.0420	-1861.107576	-1261.77864	2569.31631	-436.54880	-713.1622	
## 68	432.2872	-1653.532904	-1341.53261	4237.38172	-1101.53239	-1112.4415	
##	X70394_at	X70476_at	X70649_at	X70683_at	X70991_at	X71125_at	X71129_at
## 39	27.144166	-423.45510	-449.2036	15059.994	-736.72888	-547.9063	606.4861
## 40	590.252983	636.31737	-411.6474	1516.147	-736.40135	-492.2601	730.7494
## 42	-413.467832	-538.48964	-571.9776	5085.259	-31.70482	-670.2090	164.7580
## 47	5.407178	101.25732	-227.6829	4956.938	-576.22889	-680.7927	138.2903
## 48	1178.396411	333.50760	144.0609	10583.228	-942.53581	-914.2277	464.1605
## 49	40.328906	-476.88742	-376.4994	7063.123	-527.08141	-668.9340	457.1573
## 41	438.877475	219.95199	179.3266	9171.070	-168.24579	-658.0069	682.6296
## 43	389.001852	-122.59929	-234.1831	5126.050	104.77899	-213.1295	374.2644
## 44	364.334303	-199.27168	-231.0881	4184.583	-165.18260	-724.2434	205.2520
## 45	-254.603818	65.84359	-207.5451	12319.036	-541.43787	-460.7658	328.0278
## 46	-162.153257	-63.17195	-427.6031	14345.356	274.26430	-600.8204	166.2847
## 70	-310.798506	50.90623	-297.3188	8614.996	93.59188	-497.2674	524.9416
## 72	98.237017	-724.68771	-614.0424	3797.941	-789.23083	-713.1622	167.3904
## 68	312.287125	663.56018	345.0144	6414.838	-741.53205	-844.0776	715.9239
##	X71135_at	X71348_at	X71428_at	X71490_at	X71874_cds1_at	X71877_at	
## 39	-809.6830	-1135.8311	9320.218	447.7035	8481.245	-174.5526	
## 40	-1035.8199	-635.0597	4876.544	1536.8761	1315.767	-1123.3422	
## 42	-335.3292	-1322.1085	8389.407	-1248.4349	1685.112	-449.1883	
## 47	-434.6321	-826.7463	5991.684	554.3671	3401.552	-310.4626	
## 48	-870.6767	-1251.7477	5191.618	1093.4720	6306.523	-631.1464	
## 49	-1142.5034	-1360.7381	9906.721	1105.3144	3767.778	-197.5470	
## 41	-303.6636	-849.8489	7807.864	456.9332	6045.176	-360.0877	
## 43	-1288.9657	-758.4164	4300.751	245.8377	3683.882	-396.2954	
## 44	-787.8763	-1037.8628	11681.906	246.1589	9352.486	-492.4377	
## 45	-357.6848	-953.7618	5423.814	565.5623	5231.097	-270.2901	
## 46	-578.3246	-708.8000	4602.447	231.5224	5500.027	-321.8731	
## 70	-836.5060	-762.3678	6334.684	-306.3053	3921.821	-456.8284	
## 72	-641.7037	-1022.0471	9692.110	529.2928	1287.674	-263.6655	

## 68	-857.1685	-1142.9870	8376.295	1056.2878	7390.112	-649.8956
##	X71973_at	X72012_at	X72177_rna1_at	X72308_at	X72755_at	X72790_at
## 39	6264.725	-783.93451	509.929094	31.43559	276.04662	-320.46098
## 40	3876.947	12.14493	207.918575	-478.44079	157.24775	141.12521
## 42	3290.303	184.85081	39.736210	-692.53436	-47.33255	-375.51478
## 47	2944.085	-489.09240	-367.101316	-504.34129	114.32779	-443.34574
## 48	5372.355	-1384.57815	-661.632053	-326.28959	-119.42248	-792.28496
## 49	4298.089	4202.06532	487.710114	-230.28217	40.32891	-140.80593
## 41	4769.991	-527.10303	-380.400385	-802.45262	-384.91431	-330.74718
## 43	5008.150	-617.35760	-284.711592	-625.77902	-126.81000	-93.12433
## 44	5132.259	575.68654	-117.457905	-717.42556	-694.69951	-640.15700
## 45	5170.593	-55.16452	-8.105808	-312.86698	-229.95402	-471.97025
## 46	3479.909	397.99093	-483.842490	-414.10566	-193.64731	-60.92238
## 70	2960.270	298.03369	-95.123633	-528.71999	-254.63317	-324.27819
## 72	5914.033	-1519.95111	-226.783675	68.27057	-272.88590	-431.93858
## 68	6384.293	528.28733	-436.077214	-575.71371	-193.89517	-523.35002
##	X72841_at	X72879_at	X72882_at	X72925_at	X72964_at	X73079_at
## 39	198.80103	-163.8241	-1249.554	-974.9028	866.1171	-532.8864
## 40	39.78356	101.9705	-1519.496	-1070.3682	468.1824	-314.9122
## 42	2508.91686	-692.5344	-2020.891	-1393.5495	785.4020	-2802.2773
## 47	-51.23154	-580.5857	-1292.927	-844.1736	587.0432	-360.5661
## 48	3488.77535	-744.3789	-1717.743	-1412.8863	3027.1351	-1105.8519
## 49	197.45792	-428.8758	-2781.446	-1286.5383	496.4395	-1426.2085
## 41	1021.17413	-502.2764	-1240.304	-802.4526	384.7103	-951.4122
## 43	180.57176	125.8325	-1385.812	-707.8878	298.4716	-1608.9796
## 44	648.40990	-199.2717	-1135.585	-721.9708	580.2318	-1031.0450
## 45	1215.42068	-142.5593	-1000.821	-904.4622	1181.8073	-763.2861
## 46	933.38980	-204.8952	-1212.705	-873.0190	602.7023	-929.2584
## 70	57.64607	-268.1129	-1162.265	-717.4355	439.5703	-670.2566
## 72	1425.98112	-620.9577	-1616.766	-1501.5102	556.9542	-780.0104
## 68	4254.83628	-741.5320	-1858.624	-1276.0780	1765.3794	-1280.4416
##	X73460_at	X73501_at	X73608_at	X73874_at	X73882_at	X74008_at
## 39	35566.55	-1088.6254	-511.4292	-532.8864	-537.17777	441.2663
## 40	27353.66	-971.3297	-485.3504	-388.6152	-692.64018	445.1502
## 42	29852.97	-987.2286	-772.9055	-900.1599	-701.46449	1671.7173
## 47	33322.04	-1001.0193	-571.8721	-685.1495	-626.33237	1885.3769
## 48	37293.04	-1356.2700	-683.4075	-1060.1234	-1040.52549	3157.7880
## 49	28757.84	-1186.1503	-625.2870	-908.9922	-638.38112	337.1281
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## 43	31318.76	-884.7376	-794.2074	-512.0899	-585.77729	1578.5272
## 44	32630.78	-1017.4094	-665.1557	-410.6239	-840.14622	1530.1805
## 45	44702.15	-1034.4339	-790.1768	-754.3225	-969.44805	890.4915
## 46	37484.49	-767.2889	-438.8510	-717.7983	-596.32124	683.6870
## 70	41179.66	-899.4112	-418.6359	-867.9586	-701.70922	1486.4921
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## 68	36696.32	-1282.6235	-1180.0779	-1145.1688	26.46867	1944.2887
##	X74104_at	X74262_at	X74295_at	X74328_rna1_at	X74330_at	X74331_at
## 39	597.9032	-251.7982	-2.895785	-419.16368	-427.746522	-629.4433
## 40	2501.9250	532.6725	926.523006	-358.67338	-3.977603	-229.6931
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## 47	2856.9488	3510.4725	-238.574994	-639.40285	-467.308279	-293.0353
## 48	3471.3550	3606.3630	-400.326236	-400.32624	185.434305	-417.7466
## 49	1074.7616	232.3755	-33.870905	893.62672	-974.462616	-304.4820
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## 43 -646.8326 -335.24010 -198.3921 -101.54575 424.7929 -51.01724 -436.2971
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##	47	-931.3101	-698.2200	288.60077	2741.493	-656.83014	-493.449226	-127.47597
##	48	-1277.8783	-1033.9928	847.40904	5045.723	-581.06276	-559.287275	329.15250
##	49	-1264.7148	-616.5576	1066.03216	1725.101	-215.00574	-551.087229	-836.97473
##	41	-987.5236	-712.1741	-23.80010	5275.551	-522.58910	-211.128100	-328.49022
##	43	-960.5304	-526.8274	450.05713	2696.470	-143.65284	-42.595823	-42.59582
##	44	-776.5133	-503.8007	484.78235	3305.085	-687.88170	-374.262242	-101.54967
##	45	-1117.3469	-575.0512	-153.76372	3270.318	-384.57550	-3.624026	112.90231
##	46	-927.0088	-627.8153	-11.43173	3149.221	-519.83569	-456.847589	-281.38073
##	70	-811.7933	-533.2132	578.86035	3627.515	-456.82837	-521.980154	-274.85269
##	72	-1215.6764	-833.0279	951.12819	4065.334	-842.24839	-399.667021	-690.11104
##	68	-1306.6235	-1075.3505	519.56005	7717.385	-868.07762	-174.258786	235.92342
##		X76059_at	X76061_at	X76092_at	X76104_at	X76105_at	X76132_at	
##	39	-577.9463	-464.22361	-1000.6513	829.640002	-1125.102529	177.34392	
##	40	-810.1044	-137.56432	-752.5239	-303.396116	-1266.141796	454.36304	
##	42	-1415.8748	-509.46672	-676.9066	1.783162	-442.490751	-636.72106	
##	47	-367.1013	-513.05494	-539.1959	88.186843	-711.290451	-160.15215	
##	48	-1127.6274	-64.98377	-1186.4212	-136.842870	-903.339934	-339.35488	
##	49	1703.2776	-426.69343	-1183.9680	788.874050	-1989.254138	-127.71184	
##	41	-628.6664	-355.57378	-597.0689	-197.586317	-396.199131	91.30505	
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##	45	-355.4439	-433.87510	-584.0148	278.728240	-1424.348921	-698.30024	
##	46	-441.1006	-468.09546	-607.5691	296.760055	-564.827191	-308.37564	
##	70	-198.4678	-465.81482	-645.5439	-70.410887	-497.267408	-261.37301	
##	72	-740.8235	-542.58392	-909.0966	6.032565	-872.214835	59.05012	
##	68	-320.4407	-302.98618	-1040.4414	-73.895056	735.560250	-798.25937	
##		X76180_at	X76228_at	X76302_at	X76342_at	X76383_at	X76498_at	X76534_at
##	39	-1187.3281	312.52370	617.21463	-595.1120	-695.9604	-929.8428	-638.0262
##	40	-390.9185	-107.62247	309.26023	-607.4211	-625.8468	-294.1832	-715.6724
##	42	-739.4175	10.71329	209.40866	-585.3728	-719.3247	-1310.9458	-643.4187
##	47	-438.9889	791.81400	-90.44296	-576.2289	-608.9051	-447.7026	-452.0594
##	48	-999.1521	834.34375	435.85238	-979.5541	-994.7970	-1288.7660	-1094.9642
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##	41	-678.3196	815.79043	265.09126	-608.3537	-547.4157	-727.9728	-739.2576
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##	46	-989.9969	661.19121	-288.12946	-702.0513	-585.0734	-762.7898	-506.3382
##	70	-596.1184	304.77353	80.11220	-366.9638	-519.7335	-780.3407	-443.3487
##	72	-556.4146	522.37749	1389.09934	-706.2468	-816.8922	-964.4193	-706.2468
##	68	-556.0773	1344.28810	-259.34978	-907.3504	-957.5322	-1361.1690	-1027.3505
##		X76538_at	X76648_at	X76717_at	X76732_at	X76770_at	X77094_at	X77166_at
##	39	327.543676	737.3744	612.92321	-346.20951	1119.3110	1031.33682	-599.4034
##	40	693.897853	1384.8637	3519.94797	-314.91221	1580.6373	251.67974	-579.7824
##	42	-54.030143	475.0800	2919.70279	-230.40019	1310.0470	55.36394	-806.3935
##	47	173.144920	554.3671	595.75690	-31.62583	454.1601	218.89158	-626.3324
##	48	100.509914	2526.2989	2223.61968	185.43430	1635.6816	1076.05163	-946.8909
##	49	732.133018	319.6694	4426.84710	-483.43446	2019.7180	88.34055	-795.5101
##	41	265.091262	851.9018	145.47218	371.16856	614.9207	1784.02790	-750.5424
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## 72 1.422343 1469.7782 2594.67254 -180.68145 420.9526 1017.97642 -724.6877
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## 39 -537.1778 -144.5127 -211.02973 -794.6631 -820.4116 -547.90633 411.2264
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## 48 -711.7157 -933.8256 89.62217 -1269.1681 -1243.0375 1624.79385 7362.6341
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## 43 -375.2418 -244.7099 -320.50262 -752.1003 -1137.3802 2372.24580 2346.9815
## 44 -687.8817 -658.3378 23.44359 -551.5254 -756.0598 -376.53485 1371.0982
## 45 -503.3427 -940.3165 -359.92570 -640.0371 -1135.2740 -285.97629 1361.0786
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## 46 -2.433428 1351.8108 1986.1909 45670.69 523.967135 10361.36 -38.42663
## 70 86.852042 1333.7224 1479.7523 43581.28 412.610966 13690.10 -65.91766
## 72 1578.118462 278.0357 1294.5898 39342.76 351.799258 16764.19 453.22415
## 68 251.196159 2395.9254 1089.0151 32417.77 -344.440765 19331.21 724.65115
## X80915_rna1_at X80923_at X81003_at X81198_at X81333_at X81372_at
## 39 799.60005 -101.5985 -185.28120 239.56953 -251.7982 -485.68071
## 40 323.07954 -259.6349 -43.13233 829.78779 -294.1832 62.81576
## 42 100.01458 -306.3063 -208.07487 580.00901 -402.3052 -549.65230
## 47 164.43127 -105.6918 92.54367 255.92459 -530.4822 -567.51524
## 48 -176.03874 -483.0731 773.37239 1021.61292 -909.8726 -456.94250
## 49 1018.02052 633.9274 372.04570 540.08645 -332.8525 -180.08818
## 41 -285.60790 -542.9018 289.91786 332.80018 -452.6232 -470.67894

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## 43      -345.76687 -101.5457  -46.80653  515.32312 -482.6149 -234.18308
## 44      -349.26359 -340.1732  -33.37153  391.60556 -410.6239 -374.26224
## 45      -700.54113 -182.8953  200.29705  715.70198 -319.5897 -413.70708
## 46      -213.89348 -339.8697  107.79575   49.30680 -483.8425 -333.12096
## 70       145.26399 -425.3758  138.52415  318.25321 -420.8826 -173.75510
## 72      -146.10478 -210.6479 -132.27411  -35.45944 -459.5999 -736.21327
## 68       43.92324 -593.1683  940.65135 1985.74324 -809.1685 -804.80483
##      X81420_at  X81438_at  X81479_at  X81636_at  X81788_at  X81817_at  X81882_at
## 39      -794.6631 -2043.4667  -595.1120 -500.7007 -479.2436  2250.101 -376.2495
## 40      -455.4086 -1664.5987  -860.7752 -446.1957 -229.6931  2923.414 -264.2414
## 42      -105.3784  -955.9732 -1612.3376 -612.1632 -659.0464  5629.997 -605.4656
## 47      -639.4028 -1260.2503  -798.4269 -504.3413 -476.0219  3331.843 -301.7489
## 48     -2386.2504 -1750.4063 -1203.8416 -912.0501 -256.6080  7994.123 -820.5931
## 49     -3182.9981  -983.1920 -1406.5674 -967.9156 -710.3986  2445.276 -668.9340
## 41     -1219.9909  -987.5236  -865.6476 -615.1246 -260.7813  1996.182 -554.1866
## 43     -1775.3026 -1118.4320  -819.4716 -533.1434 -566.8291  3172.281 -385.7686
## 44      -869.6901 -1212.8534  -799.2393 -758.3324 -578.7967  1425.641 -558.3432
## 45     -1357.1222 -1133.0331  -906.7031 -826.0310 -220.9905  4812.051 -566.0877
## 46      -927.0088  -792.0343  -614.3178 -438.8510 -310.6252  4222.269 -497.3399
## 70     -1458.8179  -596.1184  -724.1753 -546.6929 -313.0451  2479.495 -483.7877
## 72     -1612.1556 -1333.2371  -890.6557 -653.2293 -809.9768  3417.597 -685.5008
## 68     -2873.1704 -1269.5325 -1123.3506 -806.9867 -549.5319  8164.658 -353.1680
##      X81889_at  X81892_at  X81895_at  X82018_at  X82068_at  X82103_at  X82125_at
## 39     -382.6866 -500.7007  -783.9345  -663.7747 -1131.5397  213.82100 -779.6431
## 40     -199.7512 -310.3058  -729.4917  -800.8915  -483.0472  461.27270 -883.8074
## 42     -554.1174 -386.6774  -603.2331  -699.2320 -1014.0190  332.19793 -717.0922
## 47     -580.5857 -397.5991  -567.5152  -543.5527  -794.0701  334.34743 -595.8346
## 48     -611.5484 -970.8439  -966.4888 -1016.5725 -1055.7683 1174.04131 -600.6607
## 49     -588.1871 -208.4587  -487.7992  -806.4219 -1356.3734  217.09904 -426.6934
## 41     -452.6232 -310.4345  -795.6817  -718.9450  -913.0438  328.28625 -509.0473
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## 46     -513.0870 -506.3382  -630.0649  -672.8068  -857.2719 -135.15836 -659.3093
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##      X82153_at  X82200_at  X82207_at  X82224_at  X82240_rna1_at  X82324_at
## 39     -324.7524  514.22052  462.72346 -1219.5138      4309.9829  -335.4810
## 40     -506.0794 2852.01436  240.16365  461.2727     -851.5623  -621.2404
## 42     -654.5813  -29.47229 -134.40130 -1344.4338     -469.2811  -574.2102
## 47     -480.3788 4153.10409 -242.93182  -480.3788     -173.2226  -526.1254
## 48     -851.0788 8085.58018  -605.01579 -1140.6927    39762.3779  -833.6584
## 49     -321.9408  581.55105 -472.52272 -1216.7032    15159.6314  -483.4345
## 41     -579.0132 1752.43041  113.87469  -624.1525     2445.3183  -676.0626
## 43     -451.0346 1395.36131   85.83080 -1101.5891    13793.7940  -632.0951
## 44     -640.1570 1487.00105  316.60960  -262.9046    15802.1384  -544.7076
## 45     -662.4460 1896.65154  632.78902  -301.6625    14857.9651  -572.8103
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## 72     -669.3650 3276.98548 -132.27411  -906.7915    10982.9725  -533.3635
## 68     -944.4413 3576.29019  187.92337 -1832.4422     3571.9266 -1009.8959
##      X82434_at  X82456_at  X82494_at  X82539_at  X82554_rna1_at  X82629_at
## 39    1492.6646  1799.501 -1105.7911  -788.2259     -196.00976  -438.4751

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##	40	2402.8866	2538.777	-1026.6070	-738.7046	-268.84783	-803.1947
##	42	2718.7749	3308.163	-795.2308	-605.4656	-424.63049	-717.0922
##	47	1351.6659	2952.799	-776.6428	-926.9533	-347.49561	-589.2994
##	48	1940.5384	6243.374	-1406.3536	-1060.1234	-219.58971	-1016.5725
##	49	1559.2427	3167.633	-1166.5092	-522.7167	-402.68761	-815.1513
##	41	845.1310	2921.538	-1238.0466	-725.7158	-411.99788	-628.6664
##	43	2073.2855	3031.222	-575.2505	-758.4164	-537.35413	-516.3006
##	44	1391.5517	4461.841	-869.6901	-587.8871	-453.80341	-821.9654
##	45	2979.0019	3673.678	-635.5553	-700.5411	-570.56945	-682.6140
##	46	1767.9821	2748.797	-1428.6640	-733.5453	-486.09206	-695.3025
##	70	1625.7821	2095.324	-778.0941	-634.3108	-443.34869	-620.8311
##	72	785.1602	4775.308	-1155.7435	-860.6893	-450.37947	-826.1126
##	68	2278.1072	7966.112	2107.9252	-911.7140	70.10508	-1062.2596
##		X82634_at	X82676_at	X82693_at	X82877_at	X82895_at	X83107_at
##	39	136.57542	-751.7489	-964.1742	31.43559	1763.0242	-717.4175
##	40	-43.13233	-796.2851	-888.4138	-600.51141	2119.5906	-715.6724
##	42	-451.42088	-933.6478	-589.8379	-344.25933	492.9403	-755.0453
##	47	-397.59909	-918.2396	-504.3413	-417.20480	833.2038	-571.8721
##	48	-657.27696	-1229.9722	-1251.7477	-546.22198	1006.3701	-1027.4602
##	49	-241.19390	-570.7284	-308.8467	341.49284	2796.6336	-775.8690
##	41	-249.49648	-809.2235	-441.3384	-707.66014	497.5585	-694.1184
##	43	454.26784	-526.8274	-147.8635	-356.29365	662.6979	-406.8222
##	44	-335.62796	-703.7899	-147.0018	-362.89922	714.3154	-653.7926
##	45	130.82943	-610.9055	-292.6990	-409.22530	733.6291	-487.6565
##	46	-103.66431	-578.3246	-285.8799	-499.58951	350.7499	-643.5623
##	70	-196.22123	-535.4598	-202.9611	-438.85546	1162.9798	-746.6415
##	72	-390.44658	-800.7564	-750.0439	24.47346	1006.4509	-1121.1669
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##		X83218_at	X83368_at	X83378_at	X83412_at	X83425_at	X83441_at
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##	40	1730.347	-172.11261	-206.66090	-828.5301	1228.244738	-441.5893
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##	47	1318.990	-73.01566	-68.65884	-844.1736	151.360798	-543.5527
##	48	7922.264	-526.62405	-265.31823	-1223.4396	15.585523	-467.8302
##	49	1271.173	-241.19390	300.02824	-1465.4908	897.991418	-566.3637
##	41	2163.198	-328.49022	-161.47490	-971.7249	52.936665	-592.5550
##	43	2422.774	-86.80827	-227.86702	-899.4751	429.003587	-269.9741
##	44	2034.699	-487.89248	-81.09623	-1106.0410	184.798527	-201.5443
##	45	3362.194	-584.01480	211.50151	-711.7456	289.932695	-492.1383
##	46	2566.581	-200.39603	47.05722	-1019.2414	-330.871386	-337.6201
##	70	1980.747	-279.34592	71.12575	-876.9451	-104.110086	-450.0885
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##	68	1660.652	-416.44083	-60.80413	-1158.2597	-944.441328	-623.7138
##		X83572_at	X83573_at	X83618_at	X83703_at	X83928_at	X83973_at
##	39	-620.8605	-809.68304	-1198.0567	-919.1143	-408.435125	642.96316
##	40	-598.2082	-215.87378	-1114.1293	-996.6651	106.576924	62.81576
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##	41	-646.7221	-105.05080	-863.3906	-793.4248	-391.685204	188.35449
##	43	-827.8931	-46.80653	-722.6253	-632.0951	-278.395528	165.83427
##	44	-467.4390	-94.73186	-1106.0410	-799.2393	-90.186648	296.15616
##	45	-601.9419	-84.29610	-1177.8509	-709.5047	135.311216	323.54606

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## 46 -490.5912 -103.66431 -913.5113 -643.5623 -103.664305 51.55637
## 70 -472.5547 10.46719 -472.5547 -721.9287 -292.825600 -164.76864
## 72 -750.0439 -667.05993 -1241.0326 -1019.7420 107.457462 107.45746
## 68 -715.3502 -451.34996 -1094.9869 -1073.1687 -213.531551 -209.16791
##      X84002_at X84003_at X84194_at X84195_at X84373_at X84707_rna1_at
## 39 -522.157797 -655.1919 -376.24946 -558.6349 -133.78414 -1249.5538
## 40 -483.047224 -635.0597 -220.48022 -526.8084 567.22079 -692.6402
## 42 -491.606461 -645.6512 -379.97985 -603.2331 1566.78826 -2264.2371
## 47 -621.975549 -617.6187 -367.10132 -489.0924 -210.25563 -1205.7900
## 48 -470.007787 -1084.0765 -380.72830 -955.6011 4675.53927 -1809.2001
## 49 -725.675017 -638.3811 -147.35297 -542.3578 -245.55860 -2862.1931
## 41 -518.075176 -671.5487 -109.56473 -743.7716 1402.60102 -1100.3718
## 43 -349.977582 -526.8274 -147.86355 -558.4077 1016.39750 -1278.4389
## 44 -231.088142 -576.5241 -174.27302 -671.9735 1243.83234 -2224.1625
## 45 -1.383135 -371.1302 36.71201 -597.4601 386.29101 -2197.4563
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## 72 -574.855479 -796.1462 -468.82036 -657.8395 1366.04822 -1681.3089
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##      X84709_at X84740_at X84746_at X84908_at X85106_at X85133_at
## 39 -831.14015 -215.321154 -839.7230 -644.4633 -726.0003 -783.9345
## 40 -1072.67137 120.396240 -770.9496 -238.9060 802.1492 -526.8084
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## 49 -981.00966 -90.611936 -887.1687 -424.5111 -843.5218 -756.2279
## 41 -59.91153 -145.676149 -441.3384 -323.9763 -1003.3224 -574.4993
## 43 -331.02939 -356.293645 -1046.8499 -465.7721 -1112.1159 -507.8792
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## 45 -588.49658 -178.413524 -702.7820 -377.8528 -662.4460 -657.9642
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## 70 -703.95583 -65.917660 -766.8610 -571.4056 -101.8635 -521.9802
## 72 -943.67328 -7.798103 -1084.2851 -676.2804 -1515.3409 -777.7053
## 68 -385.89535 -45.531393 -1670.9875 -468.8045 -1378.6236 -830.9867
##      X85134_rna1_at X85178_at X85237_at X85372_at X85373_at X85545_at
## 39 -644.4633 -1601.4503 -324.75240 67.91267 -339.77238 -299.00387
## 40 -367.8863 -1869.5853 -978.23938 295.44091 171.06707 -185.93193
## 42 -534.0246 -1520.8038 24.10848 292.01235 -136.63384 -516.16432
## 47 -417.2048 -1151.3297 -380.17179 979.15745 804.88447 -480.37875
## 48 -713.8932 -1765.6491 -600.66070 2881.23932 2193.13400 96.15482
## 49 -435.4228 -1969.6130 -1286.53829 679.75668 -68.78846 186.54618
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## 46 -463.5963 -884.2668 -558.07847 211.27620 -105.91388 -362.36544
## 70 -495.0208 -836.5060 -452.33514 1041.66268 462.03646 -483.78773
## 72 -454.9897 -1238.7275 -528.75325 2195.88829 132.81369 656.07395
## 68 -878.9867 -1378.6236 -824.44122 1780.65214 510.83277 -593.16827
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## 39 -1472.7077 -511.4292 -644.4633 1207.28510 737.37444 353.292206
## 40 -434.6796 -851.5623 -1174.0130 954.16164 1133.81275 -149.080421
## 42 -826.4863 -679.1392 -973.8334 662.61270 274.15209 8.480759
## 47 -1205.7900 -639.4028 -822.3895 123.04144 184.03698 -401.955912

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## 48	-1571.8473	-594.1281	-689.9402	289.95663	-95.46945	220.275080	
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## 41	-818.2514	-540.6448	-682.8335	91.30505	107.10380	95.818977	
## 43	-1339.4942	-476.2989	-686.8343	732.17464	681.64613	-122.599294	
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## 45	-1117.3469	-447.3204	-577.2921	245.11487	1038.39029	68.084486	
## 46	-490.5912	-450.0989	-362.3654	413.73796	510.46968	-15.930878	
## 70	-849.9857	-616.3379	-427.6224	239.62174	354.19902	-144.549124	
## 72	-1229.5071	-385.8364	-1038.1828	361.01970	114.37280	347.189035	
## 68	-1241.1689	-830.9867	-992.4414	-320.44074	726.83297	-86.985977	
##	X86018_at	X86019_at	X86098_at	X86163_at	X86400_at	X86564_at	X86570_at
## 39	63.62125	-288.2753	-453.4951	-867.6172	-846.1601	-856.8887	-45.81000
## 40	-579.78244	-213.5706	-462.3182	-628.1500	-641.9694	-688.0337	875.85218
## 42	-556.34990	-685.8368	-522.8619	-1094.3902	-837.6490	-857.7417	-565.28002
## 47	88.18684	-554.4448	-412.8480	-918.2396	-652.4733	-761.3939	-40.33948
## 48	283.42399	-875.0318	-800.9952	-1057.9459	-1073.1887	-1184.2437	-64.98377
## 49	-361.22301	-601.2812	-516.1697	-1133.7740	-913.3569	-826.0630	1991.34744
## 41	-23.80010	-624.1525	-454.8802	-784.3969	-676.0626	-590.2980	-177.27364
## 43	28.98623	-335.2401	-314.1866	-874.2109	-743.6789	-552.0916	-482.61492
## 44	212.06978	-478.8021	-147.0018	-833.3284	-885.5983	-1062.8615	-474.25685
## 45	251.83755	-476.4520	-301.6625	-812.5857	-978.4116	-1079.2517	-247.88115
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## 72	-58.51055	-694.7213	-565.6350	-1158.0486	-805.3666	-780.0104	637.63306
## 68	622.10560	-922.6231	-724.0775	-1365.5326	-966.2595	-1020.8050	-523.35002
##	X86681_at	X86691_at	X86693_at	X86779_at	X86809_at	X86816_at	
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## 40	988.70993	366.84071	-301.0929	1861.6301	1069.322604	-614.3307	
## 42	274.15209	-585.37281	-719.3247	1260.9313	765.309185	-835.4164	
## 47	-114.40550	1057.58029	-626.3324	1560.7935	-127.475969	-780.9996	
## 48	59.13649	2339.02975	-966.4888	1428.8145	1306.871771	-1195.1314	
## 49	1718.55402	1177.33188	-542.3578	2288.1467	-1362.920446	-1334.5499	
## 41	-154.70400	4982.14560	-610.6107	1127.2514	134.187362	-777.6260	
## 43	-522.61665	277.41806	-625.7790	475.3214	-855.262664	-884.7376	
## 44	-90.18665	2089.24131	-626.5214	425.6946	230.250622	-924.2326	
## 45	-70.85076	285.45091	-507.8245	1260.2385	-5.864917	-758.8043	
## 46	-186.89858	663.44079	-549.0802	1000.8770	-24.929178	-774.0377	
## 70	-20.98539	239.62174	-562.4192	673.2181	32.933324	-771.3542	
## 72	520.07238	-42.37477	-814.5871	1324.5562	33.693901	-724.6877	
## 68	-80.44052	5786.47409	-830.9867	499.9237	109.377844	-1195.3507	
##	X87159_at	X87160_at	X87176_at	X87212_at	X87237_at	X87241_at	
## 39	-762.47741	-273.25535	-762.4774	-1000.6513	-595.111964	-547.9063	
## 40	-565.96312	-84.59028	-195.1448	670.8657	1460.869890	-641.9694	
## 42	-98.68079	-540.72217	-426.8630	-772.9055	-458.118477	-766.2079	
## 47	-558.80159	-730.89616	-110.0487	-375.8150	1.050353	-584.9425	
## 48	-1639.35132	-674.69734	104.8650	-1210.3743	-197.814228	-885.9195	
## 49	-1480.76720	-590.36948	-396.1406	-1142.5034	-625.287039	-494.3462	
## 41	-784.39690	-572.24231	-211.1281	-310.4345	-299.149688	-621.8955	
## 43	-712.09856	-672.09682	39.5130	241.6270	-244.709856	-606.8308	
## 44	-724.24337	-562.88844	-494.7103	-633.3392	-376.534847	-828.7832	
## 45	-111.18679	-539.19698	-364.4075	-285.9763	-548.160539	-920.1484	
## 46	-868.51982	-776.28725	-373.6133	-726.7966	-150.905381	-630.0649	
## 70	-380.44352	-919.63070	-578.1455	-261.3730	-578.145486	-535.4598	
## 72	-1220.28664	-650.92415	-726.9928	-952.8937	-717.772378	-657.8395	

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## 68 -706.62292 -868.07762 -516.8046 148.6506 -532.077304 -1060.0778
## X87342_at X87613_at X87767_at X87838_at X87843_at X87852_at X87870_at
## 39 -929.8428 -710.9803 -758.18598 844.6600 -1213.0767 -938.4257 -273.25535
## 40 -2569.7639 -547.5374 -70.77096 1958.3653 -655.7887 -1821.2177 -927.56855
## 42 -1237.2722 -685.8368 -598.76801 1115.8167 -1362.2940 -1473.9206 -386.67745
## 47 -1225.3957 -425.9184 -780.99964 2338.4867 -1168.7570 -889.9203 -802.78376
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## 49 -2043.8128 -913.3569 -638.38112 2144.1118 -2015.4423 -2096.1892 -1164.32684
## 41 -1156.7959 -168.2458 -585.78409 2219.6219 -714.4310 -1181.6225 -202.10024
## 43 -1375.2852 -238.3938 -278.39553 955.3422 -794.2074 -1406.8655 -112.07252
## 44 -710.6077 -144.7292 -569.70625 1291.5570 -906.0518 -1217.3986 68.89568
## 45 -1321.2679 -393.5391 -586.25569 352.6776 -1083.7335 -1193.5371 -671.40954
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## 40 -40.829113 -236.6028 -508.3826 -706.4595 -105.3193 3513.038
## 42 -556.349895 -306.3063 -777.3706 -699.2320 -192.4471 3734.577
## 47 358.309961 -380.1718 -613.2619 -539.1959 -218.9693 3560.576
## 48 -282.738618 -526.6240 -1081.8989 -1047.0581 -517.9139 4629.811
## 49 18.505432 219.2814 -1024.6566 -836.9747 413.5103 8139.020
## 41 -292.378796 -448.1093 -768.5982 -536.1309 -235.9547 2109.031
## 43 -219.445602 -112.0725 -541.5648 -859.4734 -202.6028 1157.456
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## 45 -39.478282 -568.3286 -713.9865 -548.1605 -306.1443 2622.700
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## 70 -70.410887 -357.9774 -582.6387 -575.8989 -418.6359 4620.518
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## X89398_cds2_at X89416_at X89426_at X89576_at X89750_at X89894_at
## 39 -163.82409 -1846.0614 -599.4034 -1519.9133 1089.2710 -144.51270
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## 47 484.65787 -384.5286 -576.2289 -1055.4796 430.1976 -425.91845
## 48 307.37702 -1421.5965 -994.7970 -1506.5209 1829.4834 -872.85426
## 49 478.98072 -3946.8197 -858.7982 -1068.3036 241.1049 -428.87578
## 41 -127.62044 -215.6420 -518.0752 -423.2827 802.2486 -515.81821
## 43 -67.86008 -1158.4337 -596.3041 -1021.5857 464.7946 64.77726
## 44 -167.45521 809.7648 -658.3378 -1512.8372 259.7945 -390.17048
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## X89960_at X89984_at X89985_at X90568_at X90761_at X90763_at
## 39 690.16880 -401.9980 872.554217 -577.9463 353.29221 166.61537
## 40 -310.30577 -333.3380 157.247750 -252.7253 1629.00490 433.63407
## 42 204.94360 -306.3063 495.172785 -801.9284 111.17724 -112.07598
## 47 397.52138 -325.7115 -44.696304 -648.1165 -131.83279 -73.01566
## 48 361.81573 -659.4545 -139.020419 -1094.9642 -289.27126 -125.95513
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## 43	266.89129	-533.1434	75.304030	-823.6823	475.32139	262.68058
## 44	166.61769	-471.9842	-26.553715	-587.8871	282.52053	191.61634
## 45	516.26269	-409.2253	-5.864917	-711.7456	18.78488	29.98934
## 46	24.56147	-425.3535	-87.917280	-870.7694	274.26430	-47.42493
## 70	1246.10449	-342.2511	318.253209	-393.9232	450.80339	354.19902
## 72	-270.58079	-252.1399	1508.965123	-759.2644	144.33924	411.73215
## 68	113.74148	-776.4412	19.923214	-1005.5323	-490.62272	-769.89571
##	X90780_rna1_at	X90828_at	X90840_at	X90857_at	X90858_at	X90872_at
## 39	-2058.4867	-700.2518	-185.281203	-989.9227	-247.5068	-170.261227
## 40	-777.8593	-738.7046	2.932055	-149.0804	309.2602	-220.480220
## 42	-484.9089	-951.5081	-1331.038579	740.7513	-319.7015	8.480759
## 47	-1210.1469	-743.9666	-711.290451	-743.9666	-604.5483	-77.372488
## 48	-1044.8806	-1053.5908	-576.707663	-1597.9779	-720.4259	-657.276956
## 49	-311.0290	-989.7390	-1279.991247	-1096.6741	-983.1920	-134.258883
## 41	-1208.7061	-793.4248	-1587.876017	-314.9484	-599.3259	827.075248
## 43	-1112.1159	-768.9431	-284.711592	-364.7151	-183.6546	536.376668
## 44	-953.7765	-801.5119	-1035.590225	-262.9046	-671.9735	421.149421
## 45	-1601.3793	-485.4156	-848.439933	-785.6950	-778.9723	193.574382
## 46	-1068.7320	-603.0700	-1118.222655	-420.8544	-499.5895	1036.870248
## 70	-1117.3327	-755.6279	-870.205211	-578.1455	-906.1510	190.196253
## 72	-1487.6795	-909.0966	-869.909723	-957.5040	-263.6655	47.524568
## 68	-2318.9881	-1193.1688	-719.713844	-1197.5325	-909.5322	1313.742612
##	X90908_at	X90978_at	X90999_at	X91103_at	X91117_rna1_at	X91141_at
## 39	-489.9721	426.24637	-1157.2882	-148.8041	89.36978	-610.1319
## 40	-579.7824	505.03387	-708.7627	-432.3764	-388.61523	-496.8665
## 42	-614.3957	-475.97873	542.0560	-540.7222	-833.18389	-875.6020
## 47	-584.9425	367.02361	-188.4715	-630.6892	-288.67848	-752.6803
## 48	-973.0215	-509.20366	-766.1544	-870.6767	-931.64806	-992.6194
## 49	-640.5635	365.49866	-1037.7507	-468.1580	-485.61681	-647.1105
## 41	-662.5209	-35.08492	-590.2980	-662.5209	-655.74997	-635.4373
## 43	-126.8100	-187.86528	767.9657	-600.5148	-581.56658	-533.1434
## 44	-633.3392	-42.46195	-453.8034	-681.0639	-728.78858	-756.0598
## 45	-962.7254	-212.02689	-577.2921	-608.6646	-839.47637	-866.3671
## 46	-317.3739	-162.15326	-555.8289	-571.5759	-472.59461	-580.5742
## 70	-555.6794	-182.74155	-685.9829	-369.2105	-400.66304	-445.5953
## 72	-918.3171	-420.41302	-620.9577	-604.8219	-844.55350	-906.7915
## 68	-1057.8960	-700.07746	-820.0776	-835.3503	-1273.89618	-1090.6233
##	X91148_at	X91220_at	X91247_at	X91249_at	X91257_at	X91348_at
## 39	-949.1542	-620.8605	1550.5988	-401.9980	1426.148	-867.6172
## 40	-916.0525	-515.2923	1587.5470	-678.8209	2437.435	-1273.0515
## 42	-746.1151	-757.2778	1510.9750	-513.9318	2024.457	-949.2756
## 47	-706.9336	-517.4118	970.4438	-269.0728	1580.399	-702.5768
## 48	-1142.8703	-848.9012	893.1376	-620.2586	2373.871	-1264.8130
## 49	-887.1687	-420.1464	2384.1700	-754.0455	2742.075	-1170.8739
## 41	-795.6817	-608.3537	709.7131	-459.3941	1869.793	-1283.1859
## 43	-693.1504	-794.2074	1077.4528	-356.2936	1968.018	-752.1003
## 44	-981.0477	-394.7157	2386.9525	-312.9019	2682.391	-1062.8615
## 45	-964.9663	-541.4379	2087.1273	-285.9763	2382.925	-1370.5675
## 46	-567.0768	-580.5742	159.5360	-589.5725	1417.048	-659.3093
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##	X91648_at	X91788_at	X91809_at	X91868_at	X91992_at	X92098_at
## 39	-773.2060	-459.93218	1286.6764	-614.4234	-706.6889	-196.00976
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## 47 -693.8632 101.25732 746.0673 -351.8524 -534.8391 88.18684 -621.97555
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## 43 -611.0415 28.98623 1536.4201 -356.2936 -621.5683 180.57176 195.30924
## 44 -828.7832 -87.91404 1816.5287 -590.1597 -481.0747 296.15616 68.89568
## 45 -624.3508 -43.96006 1430.5462 -498.8609 -640.0371 502.81734 218.22418
## 46 -479.3433 -139.65751 2413.6102 -427.6031 -609.8187 202.27790 672.43909
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## 48 -173.861194 1463.6553 320.44231 -419.924172 -1088.4316 50.426299
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## 70 -319.784959 -366.9638 -286.08576 -14.245555 -692.7228 -375.950291
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## 68 -2183.715 -863.7140 192.28701 -1723.3512 -556.07733 -518.986383 61.37780
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## 68 650.46926 1453.37911 -2081.170 -377.1681 -1014.25958 -1158.2597
## X94703_at X94754_at X94910_at X95073_at X95095_at X95152_rna1_at
## 39 -695.9604 872.5542 -562.9263 -335.4810 -674.5033 -444.9122
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## 47 -931.3101 301.6712 1144.7168 -421.5616 -351.8524 -508.6981
## 48 -1164.6458 577.3930 557.7951 -554.9322 -1262.6354 -441.6997
## 49 -612.1930 1074.7616 -2659.2348 -339.3995 -983.1920 -531.4461
## 41 -542.9018 741.3106 1689.2354 -436.8245 -795.6817 -509.0473
## 43 -415.2436 767.9657 1946.9642 -259.4473 -813.1556 -432.0864
## 44 -549.2528 512.0536 550.6879 -178.8182 -994.6833 -903.7791
## 45 -891.0169 538.6716 1125.7850 -395.7800 -920.1484 -803.6221
## 46 -839.2753 442.9824 1543.0246 -281.3807 -850.5232 -558.0785
## 70 -735.4084 515.9552 1785.2917 -198.4678 -519.7335 -477.0479
## 72 -1206.4560 365.6299 -611.7373 -669.3650 -902.1813 -650.9242
## 68 -1073.1687 759.5603 1047.5605 -287.7134 -994.6232 -861.5322
## X95190_at X95191_at X95237_at X95239_at X95289_at X95384_at X95404_at
## 39 -2856.691 -200.3012 -569.3634 -573.6549 -610.1319 -1017.8170 27541.59
## 40 -2979.737 -1404.3350 -846.9559 -759.4335 -1019.6973 -469.2279 17659.41
## 42 -3085.809 -480.4438 -683.6042 -723.7898 -933.6478 -741.6501 20766.57
## 47 -1674.149 -330.0683 -776.6428 -656.8301 -534.8391 -1059.8364 14437.39
## 48 -3555.594 -1088.4316 -1010.0398 -1060.1234 -1288.7660 -929.4705 24894.08
## 49 -4789.206 -271.7468 -640.5635 -697.3045 -1238.5266 -1053.0271 34318.46
## 41 -1827.114 -809.2235 -671.5487 -700.8892 -1077.8022 -678.3196 20324.99
## 43 -1613.190 -787.8913 -526.8274 -461.5614 -1147.9069 -592.0934 13147.45
## 44 -1685.555 -492.4377 -651.5200 -471.9842 -599.2501 -781.0585 23988.06
## 45 -1791.855 -561.6059 -561.6059 -554.8832 -924.6302 -738.6363 20980.08
## 46 -1849.335 -380.3620 -551.3297 -587.3229 -630.0649 -740.2940 18995.23
## 70 -1750.878 -638.8040 -589.3786 -542.1997 -847.7391 -645.5439 25864.49
## 72 -2838.475 -740.8235 -837.6382 -846.8586 -934.4528 -1056.6237 27559.03
## 68 -2986.625 -804.8048 -992.4414 -898.6231 -1068.8051 -826.6230 30517.41
## X95406_at X95586_at X95592_at X95648_at X95654_at X95715_at X95735_at
## 39 -595.1120 685.8774 -558.63488 -444.91221 -541.4692 -856.8887 -247.50682
## 40 -810.1044 749.1751 -572.87278 -464.62147 -600.5114 -621.2404 -354.06694
## 42 -772.9055 769.7742 -257.19058 -346.49187 -674.6741 -842.1140 -522.86191
## 47 -567.5152 604.4705 -635.04602 -656.83014 -839.8168 -765.7508 234.14046

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## 48	-563.6424	2256.2829	-27.96545	-435.16701	-936.0032	-975.1990	736.35407
## 49	-660.2046	633.9274	-396.14057	-572.91070	-553.2696	-644.9282	-1626.98448
## 41	-784.3969	1115.9666	-533.87392	32.62399	-694.1184	-718.9450	-86.99509
## 43	-686.8343	833.2317	-263.65805	-234.18308	-676.3075	-762.6271	-676.30753
## 44	-737.8790	798.4018	-806.05714	-312.90191	-751.5146	-424.2595	-933.32301
## 45	-523.5107	899.4550	-458.52490	-142.55927	-608.6646	-386.8164	-705.02291
## 46	-783.0360	267.5156	-551.32974	-186.89858	-711.0496	-441.1006	-549.08017
## 70	-1186.9777	378.9118	-396.16981	-297.31883	-708.4491	-504.0072	-452.33514
## 72	-708.5519	536.2082	-201.42745	-450.37947	-768.4848	-632.4833	158.16991
## 68	-538.6228	1446.8336	-350.98623	277.37800	-961.8959	-953.1686	3229.38078
##	X95826_at	X96381_rna1_at	X96401_at	X96484_at	X96584_at	X96586_at	
## 39	-1125.1025	-215.32115	16.415612	1462.6247	-614.4234	-35.08145	
## 40	-1362.8770	-172.11261	705.413950	781.4202	-319.5187	590.25298	
## 42	-400.0726	-424.63049	425.964286	1792.2740	-788.5332	-45.10001	
## 47	-1325.6027	133.93350	-68.658839	1120.7542	-543.5527	-188.47151	
## 48	-1201.6641	-430.81191	-21.432801	1783.7549	-986.0868	666.67252	
## 49	-134.2589	-282.65850	926.361933	1973.8887	-660.2046	27.23482	
## 41	-522.5891	-502.27643	-533.873923	897.0411	-608.3537	228.97984	
## 43	-486.8256	-381.55790	504.796350	864.8120	-575.2505	-76.28150	
## 44	-776.5133	596.13999	357.516488	1402.9147	-562.8884	27.98880	
## 45	-982.8934	-373.37104	-413.707079	1300.5745	-422.6706	397.49546	
## 46	-839.2753	-639.06317	-9.182153	964.8838	-461.3467	-76.66940	
## 70	-766.8610	-191.72800	-27.725234	832.7276	-533.2132	-101.86347	
## 72	-1395.4751	68.27057	-113.833222	1591.9491	-833.0279	582.31039	
## 68	-739.3502	-621.53193	170.468810	2081.7433	-881.1685	779.19665	
##	X96698_at	X96719_at	X96752_at	X96753_at	X96783_rna1_at	X96849_at	
## 39	5.687058	-397.7066	-350.50093	-850.4515	265.3181	110.8268865	
## 40	-27.009797	3146.8264	295.44091	-508.3826	-1659.9923	0.6288352	
## 42	-58.495208	1044.3757	-45.10001	-1156.9011	-339.7943	-786.3007150	
## 47	953.016504	-301.7489	397.52138	-831.1031	-918.2396	-306.1057732	
## 48	-559.287275	266.0036	1049.92105	-1149.4029	-2118.4120	-430.8119147	
## 49	70.881769	-610.0106	-81.88255	-1231.9796	-1173.0562	708.1271974	
## 41	-179.530606	-366.8586	66.47845	-527.1030	-1289.9568	-254.0104118	
## 43	-82.597559	130.0432	-320.50262	-747.8896	327.9466	-1259.4907306	
## 44	-690.154302	-674.2461	-394.71568	-899.2339	-467.4390	-437.8951749	
## 45	-651.241525	2685.4452	-46.20096	-920.1484	-649.0006	-850.6808244	
## 46	224.773653	373.2456	-375.86289	-972.0003	-915.7609	-555.8288913	
## 70	-396.169811	2526.6741	-140.05590	-697.2160	-1288.0753	-957.8231281	
## 72	614.581944	446.3088	-586.38104	-909.0966	-773.0950	-309.7676810	
## 68	-558.259147	2121.0161	1638.83383	-1217.1689	-2242.6244	-702.2592826	
##	X96924_rna1_at	X96969_at	X97058_at	X97064_at	X97065_at	X97074_at	
## 39	2983.9336	359.72934	-625.15191	-515.7207	-964.1742	1301.6964	
## 40	944.9488	1476.99243	-319.51865	-565.9631	-1390.5156	2071.2230	
## 42	635.8223	-150.02903	-549.65230	-737.1850	-708.1621	3375.1394	
## 47	937.7676	637.14673	-452.05939	-839.8168	-338.7820	1377.8069	
## 48	403.1892	337.86270	-803.17270	-875.0318	-524.4465	3018.4249	
## 49	2502.0167	1170.78484	-14.22978	-856.6159	-1092.3094	1410.8430	
## 41	820.3044	-314.94843	-750.54245	-653.4930	-109.5647	1657.6379	
## 43	302.6823	323.73586	-819.47164	-566.8291	-693.1504	2054.3373	
## 44	2046.0618	71.16829	-478.80206	-751.5146	-315.1745	2157.4195	
## 45	1022.7041	-41.71917	-355.44391	-740.8772	-588.4966	2035.5868	
## 46	829.9093	49.30680	-702.05127	-623.3161	-285.8799	1722.9906	
## 70	2133.5167	95.83850	-551.18613	-546.6929	-690.4761	298.0337	
## 72	3380.7155	584.61550	-780.01038	-897.5711	-828.4177	1887.0034	

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## 68      1104.2879 -344.44076 -1258.62344 -922.6231  -379.3499 3513.0174
##      X97160_rna1_at X97198_at X97249_at X97301_at X97302_at X97303_at
## 39      404.78926 1207.28510 906.885590 -427.7465 1052.793924 -944.8628
## 40      1246.67049 866.63930 242.466865 -969.0265 1382.560433 -628.1500
## 42      385.77871 1113.58421 256.291837 -1313.1783 646.984977 -540.7222
## 47      -114.40550 255.92459 9.764002 -935.6669 567.437536 -608.9051
## 48      -128.13268 -54.09603 170.191465 -1330.1394 80.911978 -973.0215
## 49      1057.30277 2045.90613 1266.808121 -1042.1154 1323.549153 -775.8690
## 41      95.81898 -127.62044 41.651846 -743.7716 107.103796 -396.1991
## 43      28.98623 252.15381 -147.863549 -844.7359 338.473343 -364.7151
## 44      155.25467 202.97937 259.794484 -735.6064 2.990147 -742.4242
## 45      321.30517 296.65537 164.442799 -886.5351 312.341605 -953.7618
## 46      11.06402 -69.92068 137.040226 -767.2889 296.760055 -411.8561
## 70      -59.17782 158.74367 26.193484 -926.3705 178.963186 -380.4435
## 72      -88.47700 499.32638 490.105935 -1035.8777 271.120363 -537.9737
## 68      338.46897 -82.62234 -311.713461 -1376.4417 -43.349573 -337.8953
##      X97324_at X97335_at X97544_at X97630_at X97671_at X97674_at
## 39 1756.58706 -427.7465 913.32272 -500.7007 -599.4034 -2208.686
## 40 -289.57680 -126.0482 263.19584 -764.0400 -485.3504 -2602.009
## 42 -219.23753 -513.9318 33.03861 -534.0246 -571.9776 -1523.036
## 47 -600.19143 -384.5286 168.78810 -739.6098 -576.2289 -1695.933
## 48 -718.24831 -639.8566 359.63818 -809.7053 -970.8439 -2148.898
## 49 -1083.57998 -273.9291 319.66937 -433.2405 -607.8283 -4306.907
## 41 -229.18381 -197.5863 -46.36974 -233.6977 -542.9018 -1587.876
## 43 -137.33678 -411.0329 85.83080 -126.8100 -526.8274 -1032.112
## 44 -510.61853 -626.5214 -90.18665 -285.6307 -624.2488 -1485.566
## 45 350.43675 -333.0350 70.32538 -122.3912 -539.1970 -1874.768
## 46 -29.42833 -522.0853 -69.92068 -141.9071 -564.8272 -1622.127
## 70 -313.04512 -407.4029 30.68671 -196.2212 -533.2132 -1483.531
## 72 833.56752 -570.2453 623.80239 -833.0279 -745.4337 -2548.031
## 68 -446.98632 -484.0773 -289.89526 -455.7136 -946.6231 -2129.170
##      X97675_rna1_at X97795_at X98001_at X98085_at X98172_at X98176_at
## 39 -515.7207 -736.728876 -39.372869 1737.2757 -309.7324287 -438.4751
## 40 -671.9112 -1312.206182 127.305898 1318.0703 1209.8189830 -130.6547
## 42 -634.4885 -134.401304 -58.495208 2299.0588 -0.4493699 -692.5344
## 47 -600.1914 -9.841708 -5.484884 1323.3466 164.4312714 -110.0487
## 48 -1057.9459 -814.060447 76.556881 3466.9999 33.0059112 -544.0444
## 49 -675.4810 -321.940756 -260.835030 1930.2417 -162.6293989 319.6694
## 41 -703.1462 -190.815425 -260.781303 635.2333 -452.6232261 -653.4930
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## 44 -849.2366 -674.246069 -399.260894 2139.2386 -481.0746652 -583.3419
## 45 -850.6808 -606.423705 137.552107 2571.1597 -469.7293543 -727.4318
## 46 -663.8085 -886.516424 -126.160056 888.3983 -339.8696860 -398.3586
## 70 -602.8582 -978.042648 -43.451527 1522.4379 -373.7036780 -407.4029
## 72 -800.7564 -395.056799 568.479719 3286.2059 1359.1328896 -466.5152
## 68 -1018.6232 -839.713957 -213.531551 1728.2885 -333.5316634 -1330.6235
##      X98206_at X98248_rna1_at X98258_at X98260_at X98261_at X98263_at
## 39 -783.9345 488.47199 -449.2036 730.937305 1503.3932 -178.84407
## 40 -745.6142 313.86666 -621.2404 728.446143 1126.9031 -310.30577
## 42 -835.4164 501.87038 -493.8390 1234.140954 1269.8615 -429.09556
## 47 -621.9755 -160.15215 -284.3217 412.770267 608.8274 -458.59463
## 48 -953.4235 272.53624 -720.4259 54.781396 980.2395 15.58552
## 49 -1022.4743 127.62280 -915.5392 655.750861 3008.3213 625.19800
## 41 -687.3475 89.04809 -574.4993 204.153240 619.4346 89.04809

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## 43	-562.6184	429.00359	-152.0743	414.266106	565.8516	94.25222
## 44	-799.2393	627.95645	-403.8061	2.990147	512.0536	-153.81958
## 45	-895.4986	298.89626	-129.1139	83.770723	462.4813	-283.73540
## 46	-544.5810	481.22521	-564.8272	42.558073	490.2235	-15.93088
## 70	-418.6359	152.00383	-380.4435	367.678701	718.1504	-108.60331
## 72	-717.7724	116.67791	-662.4497	1186.249543	1064.0786	-468.82036
## 68	-1190.9870	635.19652	-652.0774	430.105418	582.8328	-152.44058
##	X98266_cds2_at	X98307_at	X98311_at	X98330_at	X98411_at	X98507_at
## 39	-603.6948	-809.6830	-221.75829	-783.9345	606.486079	177.34392
## 40	-625.8468	-413.9506	-20.10014	-665.0016	534.975720	-98.40960
## 42	-663.5114	-884.5321	-580.90775	-730.4874	35.271146	-730.48741
## 47	-314.8194	-489.0924	-471.66510	-757.0371	-9.841708	-397.59909
## 48	-1051.4132	-1121.0948	-857.61142	-1084.0765	-402.503784	-838.01348
## 49	-566.3637	-821.6983	129.80515	-751.8632	533.539409	-625.28704
## 41	-671.5487	-784.3969	-768.59816	-818.2514	-177.273643	-522.58910
## 43	-339.4508	-707.8878	-314.18656	-516.3006	-126.810003	-263.65805
## 44	-631.0666	-806.0571	-678.79128	-785.6037	489.327564	-576.52406
## 45	-628.8326	-610.9055	-350.96213	-725.1909	186.851709	-375.61193
## 46	-508.5878	-650.3110	-472.59461	-573.8255	215.775353	-733.54532
## 70	-445.5953	-663.5168	-645.54388	-508.5005	127.291081	-81.64395
## 72	-782.3155	-945.9784	-533.36348	-685.5008	-33.154327	-436.54880
## 68	-857.1685	-1201.8961	-876.80490	-1055.7142	425.741777	-562.62279
##	X98743_at	X98801_at	X98833_rna1_at	X98834_rna1_at	X99050_rna1_at	
## 39	550.69760	1441.1676	-511.4292	-386.9780	-361.2295	
## 40	670.86566	2444.3445	-720.2788	-570.5696	-135.2611	
## 42	760.84412	615.7295	-1092.1576	-475.9787	-574.2102	
## 47	567.43754	828.8470	-674.2574	-238.5750	-306.1058	
## 48	1226.30248	714.5786	-435.1670	-652.9219	-787.9299	
## 49	2024.08265	1526.5075	-1472.0378	-847.8865	-439.7875	
## 41	608.14976	827.0752	-1375.7214	-391.6852	-222.4129	
## 43	220.57349	519.5338	-1627.9278	-284.7116	-360.5044	
## 44	287.06574	805.2196	-1426.4782	-396.9883	-440.1678	
## 45	493.85378	1083.2081	-1576.7295	-386.8164	-209.7860	
## 46	233.77195	195.5292	-931.5079	-292.6286	-317.3739	
## 70	-81.64395	253.1014	-876.9451	-414.1427	-319.7850	
## 72	1285.36933	1792.4938	-484.9561	-501.0919	-623.2628	
## 68	1278.83349	744.2875	-1420.0781	-837.5321	-693.5320	
##	X99076_rna1_at	X99101_at	X99140_at	X99141_at	X99142_at	X99209_at
## 39	-3963.878	224.54956	-401.99799	151.59539	1466.91611	1147.20520
## 40	-5967.012	300.04735	343.80852	-43.13233	-1005.87801	472.78880
## 42	-3811.382	401.40643	434.89442	-49.56508	910.42378	82.15432
## 47	-2785.139	218.89158	-484.73558	512.97723	72.93796	443.26804
## 48	-5221.419	-27.96545	152.77108	-289.27126	322.61986	2903.01481
## 49	-7381.834	306.57528	201.82261	1159.87310	1914.96529	642.65678
## 41	-3212.890	-141.16222	-477.44983	-120.84955	-373.62949	1269.44015
## 43	-3689.070	883.76016	64.77726	-147.86355	-183.65458	1258.51326
## 44	-2894.581	-97.00446	-256.08679	166.61769	134.80122	764.31274
## 45	-4350.953	-64.12808	-171.69085	480.40843	146.51567	1136.98949
## 46	-2663.681	-92.41643	-477.09376	139.28980	13.31360	1842.21812
## 70	-3211.176	-146.79574	10.46719	-243.40011	-614.09130	704.67069
## 72	-4714.835	75.18590	789.77040	38.30412	720.61706	1121.70643
## 68	-4282.626	-488.44090	96.28692	-222.25883	172.65063	419.19632
##	X99226_at	X99268_at	X99296_xpt1_at	X99325_at	X99350_rna1_at	X99459_at
## 39	-944.8628	-1534.9333	-1970.5126	748.10299	-820.4116	1104.2910

## 40	-1109.5229	-1286.8708	-508.3826	1000.22602	-876.8977	1898.4816
## 42	-875.6020	-1212.7144	-1456.0604	1348.00010	-987.2286	539.8234
## 47	-247.2886	-802.7838	-1563.0496	857.16636	-571.8721	887.6641
## 48	-1262.6354	-1556.6045	-1717.7431	557.79509	-1277.8783	1291.6289
## 49	-1771.0194	-1557.1494	-1170.8739	92.70524	-1107.5858	1991.3474
## 41	-529.3600	-1165.8238	-1301.2416	840.61703	-825.0223	346.3420
## 43	-533.1434	-1187.9087	-1396.3388	1016.39750	-547.8809	1521.6826
## 44	-556.0706	-924.2326	-1681.0100	41.62443	-465.1664	843.8539
## 45	-474.2111	-895.4986	-2473.0859	79.28894	-911.1849	556.5987
## 46	-731.2957	-1032.7388	-850.5232	379.99433	-803.2821	544.2133
## 70	-393.9232	-1092.6199	-1445.3382	-101.86347	-665.7634	909.1125
## 72	-939.0631	-1333.2371	-1570.6636	1386.79423	-966.7244	778.2448
## 68	-1387.3508	-1548.8055	-1688.4420	1233.01526	-1302.2598	201.0143
##	X99584_at	X99585_at	X99656_at	X99657_at	X99664_at	X99687_at
## 39	-221.75829	441.2663	-850.4515	-2073.5067	276.0466	415.5178
## 40	-471.53113	1295.0381	-2657.2863	-268.8478	101.9705	320.7763
## 42	-417.93290	1131.4445	-692.5344	-1440.4327	131.2700	-304.0738
## 47	-458.59463	458.5169	-996.6625	-1499.8757	-330.0683	105.6141
## 48	-263.14068	3826.2954	-1253.9252	-1839.6858	-498.3159	-271.8509
## 49	-590.36948	1013.6558	-1290.9030	-3145.8982	1015.8382	911.0855
## 41	-405.22699	1876.5634	-813.7374	-1556.2785	-396.1991	140.9583
## 43	-97.33504	1254.3026	-1238.4372	-990.0054	-208.9188	-152.0743
## 44	-265.17721	2880.1078	-440.1678	-1483.2934	-417.4417	-235.6334
## 45	-102.22323	1110.0988	-709.5047	-1780.6506	-597.4601	112.9023
## 46	-292.62861	1306.8193	-537.8323	-1574.8864	-362.3654	233.7720
## 70	-272.60608	884.3998	-1173.4980	-1645.2868	-272.6061	178.9632
## 72	-196.81723	1859.3420	-667.0599	-1446.1875	-279.8012	-116.1383
## 68	-811.35029	1957.3796	-863.7140	-1843.3513	-215.7134	-344.4408
##	X99699_at	X99720_rna1_at	X99728_at	X99802_at	X99894_at	X99920_at
## 39	-397.70657	-577.9462776	27.14417	-1571.410	-882.6372	-886.92863
## 40	424.42119	-236.6027557	346.11173	-1217.774	-1878.7981	-319.51865
## 42	285.31476	-112.0759814	347.82566	-1866.846	-1545.3617	236.19905
## 47	937.76762	-269.0727651	-142.72485	-1260.250	-818.0327	-334.42513
## 48	-256.60804	-258.7855849	908.38040	-1497.811	-1452.0822	516.42167
## 49	-339.39953	-828.2453434	502.98655	-2901.475	-1659.7197	-653.65755
## 41	-430.05359	-55.3975974	131.93040	-1515.653	-664.7778	-746.02852
## 43	90.04151	-526.8273606	273.20735	-1345.810	-707.8878	94.25222
## 44	-419.71434	0.7175423	-201.54428	-1624.195	-537.8898	-971.95729
## 45	303.37804	-73.0916472	182.36993	-1372.808	-644.5189	451.27685
## 46	1243.83115	-441.1005635	224.77365	-1871.830	-441.1006	888.39829
## 70	-108.60331	-286.0857604	138.52415	-1238.650	-495.0208	-420.88256
## 72	-247.52968	-97.6974427	-385.83635	-2107.754	-925.2324	-365.09035
## 68	-678.25926	890.4694868	-187.34971	-2591.716	-1400.4418	-396.80445
##	X99947_at	X99961_at	Y00062_at	Y00064_at	Y00067_rna1_at	Y00281_at
## 39	-1187.3281	-427.7465	-251.79824	-438.4751	-674.5033	1265.219
## 40	-625.8468	-363.2798	2690.78901	-515.2923	-685.7305	1718.830
## 42	-1183.6915	-737.1850	-190.21461	-636.7211	-685.8368	1906.133
## 47	-693.8632	-251.6455	393.16456	-223.3261	-589.2994	3388.481
## 48	-1412.8863	-1081.8989	-304.51410	-977.3766	-875.0318	2254.105
## 49	-537.9931	-1002.8331	101.43463	-513.9873	-363.4054	1476.313
## 41	-840.8210	-617.3816	3075.01119	-529.3600	-536.1309	2278.303
## 43	-880.5269	-743.6789	393.21256	-425.7703	-676.3075	1511.156
## 44	-537.8898	-376.5348	-192.45386	-362.8992	-537.8898	1898.343
## 45	-882.0533	-359.9257	-463.00668	-292.6990	-516.7881	1943.710

## 46	-760.5402	-486.0921	-191.39773	-526.5844	-497.3399	1657.753
## 70	-488.2810	-456.8284	64.38591	-380.4435	-477.0479	1129.281
## 72	-1330.9320	-620.9577	775.93973	-547.1941	-574.8555	1596.559
## 68	-876.8049	-560.4410	4763.20040	-894.2595	-946.6231	2310.834
##	Y00282_at	Y00291_at	Y00317_at	Y00318_at	Y00433_at	Y00486_rna1_at
## 39	1808.084	-856.8887	-831.1402	-846.16013	16855.95	1436.8762
## 40	2451.254	-1180.9227	-817.0140	23.66103	19536.54	2932.6270
## 42	3131.793	-991.6937	-826.4863	-451.42088	19757.46	490.7077
## 47	4137.855	-935.6669	-715.6473	-1443.23696	26926.23	3327.4858
## 48	5180.731	-1332.3170	-1027.4602	-881.56445	34105.11	3264.4879
## 49	2379.805	-1367.2851	-828.2453	-317.57606	12217.83	4845.8578
## 41	4296.029	-658.0069	-700.8892	-542.90178	13811.39	4208.0070
## 43	3100.698	-1072.1142	-606.8308	-547.88091	25196.39	3972.3152
## 44	2668.756	-1015.1368	-842.4188	-658.33784	15674.87	2409.6786
## 45	3319.617	-1038.9157	-752.0816	-523.51074	16995.78	4126.3381
## 46	2960.257	-596.3212	-666.0581	-373.61331	17575.75	3317.9394
## 70	1816.744	-645.5439	-555.6794	-548.93951	12337.63	2151.4896
## 72	4023.842	-1178.7946	-872.2148	-625.56793	11508.54	2537.0448
## 68	4715.200	-852.8049	-1027.3505	-966.25953	26766.86	4272.2908
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## 39	-820.4116	-706.68893	-1208.7853	-1017.8170	1638.573	-1047.85694 -361.2295
## 40	-752.5239	-43.13233	-1017.3941	-759.4335	2409.796	-462.31825 -243.5124
## 42	-1069.8323	-505.00165	-1141.2733	-792.9983	1097.956	662.61270 -614.3957
## 47	-635.0460	-192.82834	-1205.7900	-743.9666	2989.832	14.12083 -484.7356
## 48	-1166.8233	801.68052	-1445.5495	-1247.3926	7210.206	-644.21167 -966.4888
## 49	-708.2162	-551.08723	-1135.9563	-1391.2910	2722.434	-77.51785 -461.6110
## 41	-721.2019	152.24307	-906.2729	-888.2172	2858.343	226.72288 -592.5550
## 43	-855.2627	155.30750	-870.0001	-1118.4320	2368.035	-152.07426 -269.9741
## 44	-653.7926	-610.61314	-1185.5821	-856.0544	2234.688	-19.73590 -633.3392
## 45	-944.7982	-66.36897	-1144.2375	-951.5209	1840.629	224.94686 -615.3873
## 46	-733.5453	-297.12776	-884.2668	-810.0309	1124.604	350.74986 -551.3297
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## 72	-1047.4033	-680.89060	-1213.3713	-1111.9464	3751.838	-196.81723 -524.1430
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## 39	-1498.45621	-758.1860	-547.9063	-453.4951	-1146.5596	-547.9063 876.8456
## 40	-485.35044	-439.2861	-614.3307	-485.3504	-542.9309	-766.3432 627.1045
## 42	-714.85968	-518.3968	-409.0028	-525.0944	-958.2057	-685.8368 1443.9990
## 47	334.34743	-334.4251	-621.9755	-401.9559	-576.2289	-521.7686 2133.7159
## 48	-820.59309	-539.6893	-731.3136	-979.5541	-783.5748	-877.2094 1311.2269
## 49	-2628.68191	-330.6701	-586.0048	-300.1173	-2013.2600	-625.2870 -470.3404
## 41	-980.75276	-391.6852	-511.3043	-527.1030	-994.2945	-678.3196 1391.3162
## 43	14.24875	-415.2436	-400.5061	-465.7721	-415.2436	-406.8222 778.4924
## 44	-996.95594	-360.6266	-660.6104	-508.3459	-758.3324	-694.6995 2625.5760
## 45	847.91455	-167.2091	-684.8549	-588.4966	-274.7718	-673.6504 3422.6983
## 46	-1140.71841	-274.6320	-506.3382	-567.0768	-639.0632	-355.6167 166.2847
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## 72	-952.89373	-697.0264	-708.5519	-717.7724	-805.3666	-842.2484 1485.9140
## 68	-1666.62383	355.9235	-429.5318	-876.8049	-676.0774	-839.7140 414.8327
##	Y07683_at	Y07701_at	Y07707_at	Y07755_at	Y07759_at	Y07828_at
## 39	12.124190	-685.2318	-710.9803	-314.02385	-820.4116	-685.2318
## 40	-70.770964	-282.6671	-572.8728	-112.22891	-708.7627	-817.0140
## 42	-272.818302	-578.6752	-732.7199	-676.90664	-837.6490	-915.7876
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## 41 -585.784090 -597.0689 -551.9296 -926.58562 -782.1399 -795.6817
## 43 -320.502619 -381.5579 -451.0346 50.03978 -562.6184 -726.8360
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## 39 -625.1519 -356.9380661 -2348.158 -401.99799 -758.1860 364.02076
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## 47 -772.2860 -926.9532626 -1366.993 -181.93628 -251.6455 -164.50898
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## 49 -2672.3289 991.8323540 -2019.807 35.96421 -775.8690 437.51612
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## 39 -526.4492 2151.398 -196.0098 580.73755 -339.77238 -371.9580
## 40 -584.3889 2165.655 240.1636 19.05459 -503.77620 -512.9891
## 42 -670.2090 2156.177 -777.3706 -1226.10956 48.66634 -723.7898
## 47 -748.3235 2129.359 -434.6321 -64.30201 -44.69630 -371.4581
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## 41 -590.2980 1576.387 -436.8245 -348.80289 16.82524 -567.7284
## 43 -625.7790 1669.057 -295.2384 -147.86355 469.00532 -440.5078
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## 40 125.002679 1092.35480 -655.7887 182.58316 654.7431 730.7494
## 42 -924.717713 454.98721 -822.0212 323.26780 -857.7417 571.0789
## 47 -351.852430 -264.71594 -652.4733 -293.03530 -238.5750 1149.0736
## 48 -1136.337622 226.80773 -1182.0661 394.47896 -1770.0042 3882.9116
## 49 -740.951449 2482.37560 -795.5101 393.86918 -1144.6857 1476.3135
## 41 -551.929633 382.45338 -777.6260 310.23054 -752.7994 1463.5390
## 43 -202.602766 500.58564 -562.6184 -36.27976 -516.3006 1445.8898
## 44 -396.988289 484.78235 -787.8763 198.43416 -919.6874 657.5003
## 45 -474.211136 -126.87303 -823.7901 23.26667 -651.2415 1679.2851
## 46 -499.589515 386.74306 -688.5538 24.56147 -681.8051 712.9314
## 70 -773.600840 538.42131 -602.8582 235.12852 -924.1239 214.9090
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## 39 -588.6748 1690.070029 -706.6889 -773.20596 -356.93807 -758.1860 -258.2354
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## 47 458.5169 -234.218169 -447.7026 -434.63210 -330.06831 -539.1959 -393.2423
## 48 -276.2060 -186.926485 -1018.7500 222.45263 -820.59309 -1166.8233 -409.0364
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## 46 274.2643 751.174216 -695.3025 -29.42833 -344.36884 -753.7915 -207.1448
## 70 183.4564 369.925314 -495.0208 -380.44352 -407.40288 -578.1455 -101.8635
## 72 -501.0919 1527.406013 -842.2484 -740.82349 -510.31236 -494.1766 -422.7181
## 68 -691.3502 -230.986112 -813.5321 -189.53153 -625.89557 -998.9868 -573.5319
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## 41 -1095.8579 -597.0689 669.0878 -806.9665 -639.9512 -1177.1086
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## 42	-219.23753	-80.82053	-1502.9436	-1813.2655	-1027.41420	-578.6752
## 47	92.54367	-648.11650	-1042.4091	-807.1406	-1251.53669	-595.8346
## 48	-964.31129	-404.68133	-1380.2231	-1469.5025	-1456.43725	-794.4625
## 49	-140.80593	677.57433	-1164.3268	-1581.1552	1439.21356	-634.0164
## 41	-529.36000	-996.55150	-831.7931	-1102.6288	-567.72838	-310.4345
## 43	-1101.58914	-924.73936	-1091.0624	-1021.5857	-1537.39753	-436.2971
## 44	-453.80341	-203.81689	-690.1543	-1449.2043	16.62578	-446.9856
## 45	-1065.80636	-651.24153	-882.0533	-2930.2277	-891.01686	-720.7091
## 46	-688.55382	-456.84759	-715.5487	-672.8068	-902.26345	-652.5606
## 70	-243.40011	-95.12363	-946.5901	-800.5602	-793.82036	-317.5383
## 72	-392.75169	-109.22300	-1075.0646	-1388.5598	-1252.55820	-662.4497
## 68	-204.80427	-1374.25991	-1210.6234	-1612.0783	-1376.44173	-852.8049
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## 40	-199.7512	1718.8305	32.87391	-904.5364	-641.9694	-455.4086
## 42	-279.5159	1310.0470	-230.40019	-835.4164	-779.6031	-451.4209
## 47	-447.7026	641.5036	-380.17179	-571.8721	-735.2530	-480.3788
## 48	-835.8359	1254.6106	-507.02611	-977.3766	-983.9092	-829.3033
## 49	-498.7109	3335.6734	-55.69438	-472.5227	-810.7866	-448.5169
## 41	-436.8245	660.0599	-518.07518	-592.5550	-646.7221	-466.1650
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## 70	-411.8961	1059.6356	-411.89610	-443.3487	-569.1590	-393.9232
## 72	-588.6861	-662.4497	-385.83635	-519.5328	-860.6893	-662.4497
## 68	-754.6230	595.9238	-558.25915	-752.4411	-944.4413	-924.8049
##	Y10515_at	Y10517_at	Y10518_at	Y10571_at	Y10615_at	Y10659_at
## 39	-912.6772	-655.1919	-670.2118	-599.4034	-232.4868	-747.4574
## 40	-1019.6973	-584.3889	-294.1832	-837.7430	-409.3442	-614.3307
## 42	-958.2057	-636.7211	-558.5824	-645.6512	-723.7898	-710.3946
## 47	-794.0701	-504.3413	-476.0219	-580.5857	-558.8016	-412.8480
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## 49	-1166.5092	-740.9514	-666.7516	-588.1871	-363.4054	-871.8923
## 41	-721.2019	-466.1650	-610.6107	-490.9916	-353.3168	-648.9791
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## 45	-646.7597	-671.4095	-485.4156	-649.0006	-752.0816	-559.3650
## 46	-679.5555	-578.3246	-614.3178	-564.8272	-391.6099	-492.8408
## 70	-728.6686	-465.8148	-526.4734	-490.5276	-236.6603	-641.0507
## 72	-1040.4880	-717.7724	-708.5519	-697.0264	-473.4306	-754.6542
## 68	-1204.0779	-940.0777	-918.2595	-835.3503	-700.0775	-887.7140
##	Y10871_at	Y10936_at	Y11174_at	Y11180_at	Y11215_at	Y11251_at
## 39	1561.32738	181.63534	-850.4515	-603.6948	125.84686	1.395636

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## 39 730.93731 -1633.6360 -726.0003 -1011.3799 -1725.9016 368.31218 -419.16368
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## 44 -876.5079 -256.086795 -103.822276 -535.6172 202.97937 -265.17721
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## 39 -434.1837 1814.52125 -1088.6254 -159.53267 -882.6372 -449.20363 -1758.0872
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## 49 -509.6226 -1231.9796 -778.0514 -498.71089 44477.29 3169.81502 -3052.0573
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## 68 -1003.3505 -1132.0779 -896.4413 -497.16818 32166.86 1887.56133 -630.2592
## Z14244_at Z14982_rna1_at Z15005_at Z15108_at Z15114_at Z17227_at
## 39 855.38853 1048.50250 -309.7324 -1172.3082 349.000784 -552.19775
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## 42 4178.85097 -16.07710 -451.4209 -1118.9480 300.942481 -525.09444
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## 48 5690.27686 4625.45565 -354.5977 -1332.3170 24.295717 869.18453
## 49 1266.80812 788.87405 195.2756 -1183.9680 1336.643237 -485.61681
## 41 1145.30714 1562.84545 -330.7472 -739.2576 208.667167 -55.39760
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## 70 1086.59495 495.73566 -569.1590 -596.1184 792.288609 -259.12640
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## 42 -295.1436 -1134.5757 -661.2789 -98.68079 -1197.0866 -2054.3790
## 47 -325.7115 -412.8480 -726.5393 138.29032 -1118.6535 -1168.7570

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## 46	-209.3943	-681.8051	-704.3008	-274.63201	-1300.4382	-891.0156	
## 70	-319.7850	-742.1483	-472.5547	-189.48139	-1308.2948	-1016.2351	
## 72	-171.4610	-1510.7307	-851.4688	-404.27724	-1305.5758	-1326.3218	
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## 39	-981.3399	78.64122	4990.173	-758.1860	-717.4175	-644.4633	-762.4774
## 40	-975.9362	1246.67049	2787.524	-736.4014	-872.2913	-605.1178	-738.7046
## 42	-866.6719	-114.30851	2403.988	-918.0201	-295.1436	-770.6730	-973.8334
## 47	-730.8962	151.36080	4320.842	-484.7356	-397.5991	-702.5768	-940.0237
## 48	-1003.5072	-117.24493	4786.594	-1406.3536	-753.0891	-918.5828	-1229.9722
## 49	-631.8341	1037.66165	-1260.350	-1376.0145	-439.7875	-653.6576	-677.6634
## 41	-712.1741	-527.10303	5458.365	-509.0473	-633.1803	-533.8739	-694.1184
## 43	-855.2627	536.37667	1875.382	-600.5148	-491.0363	-686.8343	-642.6219
## 44	-603.7953	-133.36614	4332.302	-792.4215	-590.1597	-917.4148	-658.3378
## 45	-333.0350	-503.34272	5430.537	-754.3225	-178.4135	-1894.9360	-1592.4157
## 46	-681.8051	-74.41983	2424.858	143.7890	-531.0836	-645.8119	-686.3042
## 70	-638.8040	349.70579	3196.165	-730.9152	-587.1319	-587.1319	-587.1319
## 72	-872.2148	582.31039	8177.652	-1001.3011	-579.4657	-625.5679	-911.4017
## 68	-1108.0778	-407.71355	4505.746	-1214.9870	-490.6227	-721.8957	-1169.1688
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## 47	-40.339479	-197.185161	-526.12541	59.86748	-848.5304219	-789.7133	
## 48	-552.754629	9.052878	194.14450	-197.81423	-903.3399345	-781.3972	
## 49	679.756682	-928.633322	-77.51785	1725.10107	-361.2230085	-404.8700	
## 41	-398.456095	-466.165009	-267.55219	201.89628	-558.7005247	-739.2576	
## 43	-147.863549	6917.706191	-187.86528	-198.39206	-552.0916148	-436.2971	
## 44	77.986104	1564.269612	-224.27033	1264.28578	-521.9815508	-194.7265	
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## 46	-726.796595	-508.587815	-184.64901	663.44079	-531.0835657	-542.3314	
## 70	-261.373014	145.263987	-342.25109	385.65161	-488.2809547	-488.2810	
## 72	-584.075924	-540.278809	-312.07279	1472.08334	-752.3490477	-803.0615	
## 68	-532.077304	1008.287779	-438.25903	-272.44070	-940.0776879	-1060.0778	
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## 40	-340.2476	1032.4711	16890.1362	394.479341	-830.8333	585.6465	
## 42	-440.2582	2745.5653	2437.4758	4649.915266	-826.4863	164.7580	
## 47	-630.6892	987.8711	8409.7216	412.770267	-504.3413	-571.8721	
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## 45	-377.8528	1060.7992	46660.6902	260.801112	-812.5857	-335.2759	
## 46	-441.1006	1239.3320	7994.8059	487.973934	-645.8119	-535.5827	
## 70	-557.9260	1046.1559	7572.5675	540.667923	-742.1483	-261.3730	
## 72	-593.2964	1313.0307	7354.7273	52.134791	-733.9082	75.1859	

##	68	-863.7140	2782.1076	4350.8364	4.650473	-809.1685	-734.9866
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##	40	-462.3182	-273.4543	-195.14481	2.932055	15342.37	1529.96647
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##	49	-812.9689	-498.7109	-175.72348	-450.699250	13732.38	1207.88474
##	41	-310.4345	-560.9575	-624.15247	-127.620439	19390.60	213.18109
##	43	-364.7151	-335.2401	-107.86181	75.304030	14842.26	951.13151
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##	68	-724.0775	-835.3503	-662.98652	-484.077259	21244.67	-180.80425
##		Z26256_at	Z26317_at	Z26634_at	Z26653_at	Z26876_at	Z27113_at
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## 46	6273.881	-470.34504	1740.987	-227.39093	-805.5317	-668.3076	
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## 44	-1015.1368	-846.96403	327.9726	-776.5133	-299.26629	-528.7994	441.6029
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## 48 -1408.5312 -1489.1005 4925.95734 -707.36057 -1493.4556 157.126174
## 49 -1279.9912 -1378.1969 -361.22301 -256.47034 -2395.1707 -457.246292
## 41 -721.2019 -721.2019 1853.99378 -585.78409 -732.4867 -39.598851
## 43 -1577.3993 -945.7929 965.86899 -339.45081 -1526.8708 -364.715063
## 44 -208.3621 -737.8790 559.77831 -515.16374 -549.2528 7.535357
## 45 -691.5776 -978.4116 2187.96737 -368.88926 -333.0350 18.784884
## 46 -513.0870 -663.8085 1988.44050 -544.58102 -346.6184 105.546175
## 70 -575.8989 -654.5303 -52.43798 -306.30528 -571.4056 -310.798506
## 72 -1699.7498 -911.4017 508.54683 -588.68615 -1086.5902 -800.756385
## 68 -1103.7142 -1129.8960 3816.29042 -850.62306 -1468.0782 578.469194
##      Z50781_at Z50853_at Z56281_at Z67743_at Z68129_cds1_at Z68204_at
## 39 8112.1824 685.87738 1357.484856 990.56831 623.65177 -71.55853
## 40 2131.1067 88.15117 995.619585 207.91857 88.15117 -515.29229
## 42 25387.9072 -183.51701 -4.914434 146.89776 1051.07331 -505.00165
## 47 343.0611 142.64715 942.124442 -105.69185 46.79701 -635.04602

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## 48	4621.1006	-328.46714	390.123862	-267.49578	529.48696	-805.35025	
## 49	4405.0236	-105.88837	1482.860510	714.67424	380.77509	-828.24534	
## 41	2075.1762	1339.40603	1296.523718	-3.48743	614.92065	-416.51181	
## 43	6027.1412	576.37840	824.810236	464.79461	298.47161	-234.18308	
## 44	1625.6299	550.68789	1382.461232	482.50975	627.95645	152.98206	
## 45	8379.5492	1166.12108	756.038023	451.27685	937.55019	68.08449	
## 46	13288.0560	582.45609	1093.109624	429.48498	1365.30821	-54.17365	
## 70	4858.6586	387.89822	1093.334787	246.36158	322.74644	-292.82560	
## 72	4855.9867	296.47659	-3.187880	176.61080	-76.95144	-1047.40329	
## 68	15107.2101	550.10553	951.560453	-283.34980	2574.83471	244.65070	
##	Z68747_at	Z69720_at	Z69881_at	Z69915_at	Z69923_at	Z70219_at	Z70220_at
## 39	-470.66074	-35.08145	3943.0664	1297.40495	-283.9839	411.22640	-1597.1589
## 40	-377.09913	32.87391	141.1252	141.12521	-729.4917	-162.89974	-1017.3941
## 42	-324.16654	-493.83899	3024.6318	823.35502	-951.5081	-199.14474	-866.6719
## 47	-68.65884	-330.06831	3172.8186	-310.46260	-898.6339	22.83448	-1255.8935
## 48	-282.73862	-574.53011	5688.0993	-239.18765	-1101.4968	-293.62636	-835.8359
## 49	-651.47521	252.01660	4603.6172	-121.16480	-1042.1154	764.86823	-2231.4947
## 41	-86.99509	10.05435	2677.7856	-154.70400	-827.2792	-111.82169	-806.9665
## 43	-219.44560	-324.71333	605.8534	75.30403	-848.9466	111.09506	-657.3593
## 44	-231.08814	57.53266	2996.0106	641.59208	-515.1637	-53.82497	-474.2569
## 45	-445.07955	-198.58154	619.3437	272.00557	-483.1747	-285.97629	-147.0411
## 46	-252.13626	-51.92408	1869.2130	49.30680	-1039.4875	-141.90708	-279.1312
## 70	-405.15626	-158.02880	1706.6602	32.93332	-587.1319	-274.85269	-465.8148
## 72	-533.36348	-97.69744	2583.1470	107.45746	-816.8922	-418.10791	-1582.1891
## 68	-124.07692	-198.25881	4586.4730	541.37825	-1293.5326	-320.44074	305.7417
##	Z70222_at	Z70295_at	Z70723_at	Z70759_at	Z71389_at	Z71460_at	Z72499_at
## 39	-1193.765	-996.3599	-515.7207	56107.44	-1685.1330	2632.0371	737.37444
## 40	-1620.838	-669.6080	-618.9372	61692.36	-909.1428	1315.7671	76.63507
## 42	-1851.219	-1094.3902	-761.7429	52707.40	-1375.6892	1544.4629	1211.81563
## 47	-1438.880	-347.4956	-661.1870	49494.58	-789.7133	471.5874	-44.69630
## 48	-1961.628	-1227.7947	-1062.3010	33619.51	-731.3136	1435.3471	581.74813
## 49	-2198.759	-915.5392	-791.1454	44438.00	-2227.1300	4195.5183	655.75086
## 41	-1865.483	-560.9575	-662.5209	50103.37	-1233.5327	465.9610	763.88026
## 43	-1865.833	-1122.6427	-566.8291	67690.87	-611.0415	1207.9848	161.62356
## 44	-1446.932	-585.6145	-633.3392	54213.70	-1121.9492	600.6852	-426.53215
## 45	-1305.582	-882.0533	-765.5270	39003.57	-1171.1282	823.2648	-1623.78822
## 46	-1520.897	-657.0598	-506.3382	52054.98	-1059.7337	757.9229	231.52238
## 70	-1061.167	-663.5168	-510.7471	49748.24	-1699.2055	621.5460	617.05277
## 72	-1655.953	-777.7053	-846.8586	44856.58	-445.7692	2145.1758	3924.72175
## 68	-1703.715	-1068.8051	-907.3504	35769.05	-1350.2599	713.7420	820.65124
##	Z73497_at	Z73677_at	Z73903_at	Z75330_at	Z78289_at	Z78290_at	Z78291_at
## 39	-1468.4163	162.32395	-1798.8557	-620.8605	-236.77826	-685.2318	-547.9063
## 40	-1927.1657	-344.85406	-2473.0287	-570.5696	-360.97660	-572.8728	-1192.4388
## 42	-1730.6618	-279.51590	-1717.2667	-516.1643	-283.98096	-792.9983	-996.1587
## 47	-1728.6090	-164.50898	-1051.1228	-447.7026	-608.90508	-589.2994	-985.7704
## 48	-2523.4360	-217.41216	-1332.3170	-705.1830	-768.33193	-1027.4602	-1502.1658
## 49	-1557.1494	64.33473	-961.3685	-616.5576	-112.43541	-723.4927	-1723.0078
## 41	-1488.5696	-490.99161	-617.3816	-599.3259	-459.39412	-628.6664	-831.7931
## 43	-1379.4959	-501.56311	-1674.2456	-482.6149	-183.65458	-621.5683	-848.9466
## 44	-874.2353	-251.54159	-944.6860	-544.7076	-508.34592	-528.7994	-1001.5012
## 45	-1933.0312	-191.85887	-635.5553	-460.7658	-431.63421	-711.7456	-1007.5432
## 46	-333.1210	-274.63201	-762.7898	-573.8255	35.80935	-612.0683	-810.0309
## 70	-1292.5685	-205.20768	-609.5981	-510.7471	-153.53558	-510.7471	-811.7933
## 72	-1575.2738	22.16834	-1423.1364	-577.1606	-219.86834	-888.3506	-1174.1844

##	68	-1252.0780	-324.80438	-1402.6236	-763.3502	-763.35025	-998.9868	-1341.5326
##		Z79581_at	Z80776_at	Z80777_at	Z80788_at	Z81326_at	Z83741_at	Z83742_at
##	39	-419.16368	-288.2753	-732.4375	-779.6431	-798.9545	-464.2236	1840.2698
##	40	-82.28706	-745.6142	-402.4345	-787.0722	-800.8915	-867.6849	-727.1885
##	42	-822.02123	-694.7669	-949.2756	-779.6031	-1161.3661	-967.1358	-250.4930
##	47	-748.32346	-665.5438	-876.8498	-665.5438	-909.5260	-635.0460	-807.1406
##	48	-953.42355	-983.9092	-1068.8336	-1140.6927	-1108.0295	-1010.0398	-267.4958
##	49	-655.83990	-417.9640	-644.9282	-1288.7206	-1042.1154	-913.3569	-690.7575
##	41	-700.88924	-272.0661	-633.1803	-840.8210	-922.0717	-515.8182	-380.4004
##	43	-651.04328	-486.8256	-964.7411	-1032.1124	-381.5579	-686.8343	-309.9758
##	44	-1360.57270	-878.7805	-958.3217	-590.1597	-749.2420	-485.6199	-249.2690
##	45	-2009.22147	-725.1909	-1054.6019	-763.2861	-886.5351	612.6210	3655.7510
##	46	-715.54872	-58.6728	-834.7762	-942.7558	-942.7558	-411.8561	1255.0790
##	70	-575.89887	-243.4001	-632.0642	-690.4761	-616.3379	-362.4706	502.4755
##	72	-706.24682	-833.0279	-745.4337	-955.1988	-985.1653	-1164.9640	-537.9737
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##	39	-614.4234	-1783.836	-783.9345	-507.1378	-1871.810	-391.2694	-768.9145
##	40	-358.6734	-1448.096	-729.4917	-522.2020	-2539.822	-289.5768	265.4991
##	42	-806.3935	-1063.135	-770.6730	-598.7680	-2724.139	-833.1839	-1072.0648
##	47	-669.9006	-1225.396	-635.0460	-462.9515	-1530.373	-571.8721	-630.6892
##	48	-720.4259	-1334.495	-1162.4682	-844.5461	-1785.247	-977.3766	-1327.9619
##	49	-618.7400	-2113.648	-891.5334	-407.0523	-2831.640	-902.4452	-1338.9146
##	41	-484.2207	-1344.124	-658.0069	-662.5209	-1438.916	-694.1184	-454.8802
##	43	-537.3541	-1158.434	-451.0346	-472.0881	-1785.829	-516.3006	-773.1538
##	44	-710.6077	-1119.677	-674.2461	-687.8817	-1831.002	-531.0720	-653.7926
##	45	-1092.6971	-1009.784	-615.3873	-312.8670	-1827.709	-510.0654	-386.8164
##	46	-612.0683	-1244.199	-612.0683	-447.8493	-1230.701	-344.3688	-571.5759
##	70	-443.3487	-1090.373	-548.9395	-414.1427	-1562.162	-616.3379	-654.5303
##	72	-770.7899	-1529.172	-883.7404	-780.0104	-2340.571	-819.1973	-1409.3058
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##	39	-706.6889	-706.6889	155.886813	-3062.679	-507.13782		
##	40	-722.5820	-840.0462	-6.280823	-2756.325	-506.07942		
##	42	-719.3247	28875.1225	-654.581313	-2032.054	2258.87325		
##	47	-674.2574	4133.4984	-397.599087	-1205.790	1053.22347		
##	48	-1125.4499	2243.2176	-650.744311	-3629.631	-139.02042		
##	49	-673.2987	-1018.1096	-169.176441	-4136.684	-116.80010		
##	41	-689.6044	-714.4310	-272.066122	-2296.563	-759.57030		
##	43	-558.4077	23282.6268	-436.297117	-2164.793	1258.51326		
##	44	-410.6239	-665.1557	-133.366138	-1692.373	-724.24337		
##	45	-554.8832	-306.1443	-395.779951	-1574.489	-368.88926		
##	46	-616.5674	-193.6473	-560.328041	-1131.720	-69.92068		
##	70	-569.1590	223.8955	-234.413655	-2191.214	-119.83638		
##	72	-833.0279	-856.0791	-577.160590	-1778.124	-464.21014		
##	68	-994.6232	-571.3501	-580.077350	-3628.080	-396.80445		
##		Z84721_cds2_at	Z84722_at	Z93784_at	Z95624_at	Z96810_at	Z97054_xpt2_at	
##	39	9833.042	-1747.3587	-35.08145	-386.9780	-706.6889	12.12419	
##	40	11585.822	-701.8531	-181.32549	-273.4543	-876.8977	684.68498	
##	42	18935.889	-973.8334	-114.30851	-379.9798	-741.6501	1205.11803	
##	47	65022.299	-693.8632	-452.05939	-301.7489	-844.1736	-40.33948	
##	48	23358.905	-1750.4063	146.23843	-665.9872	-1164.6458	1603.01836	
##	49	13010.019	-1683.7255	-118.98245	-413.5993	-623.1047	546.63349	
##	41	20979.505	-1021.3781	107.10380	-405.2270	-752.7994	310.23054	

## 43	44607.763	-507.8792	-112.07252	-421.5596	-562.6184	252.15381	
## 44	21956.352	-1001.5012	-62.91539	-485.6199	-674.2461	-299.26629	
## 45	29396.866	-675.8913	-149.28194	-406.9844	-615.3873	150.99745	
## 46	49323.999	-1032.7388	17.81275	-477.0938	-594.0717	465.47818	
## 70	48847.346	-924.1239	-63.67105	-490.5276	-539.9531	387.89822	
## 72	34937.689	-1612.1556	-293.63190	-706.2468	-869.9097	22.16834	
## 68	28636.677	-1738.6239	1023.56052	-743.7139	-937.8959	1730.47028	
##	Z97074_at	AB002332_at	AB002533_at	AB006782_at	AF001548_rna1_at	D00860_at	
## 39	-912.677161	-232.4868	44351.09	12826.309	-196.00976	59.32983	
## 40	-215.873782	378.3568	31418.84	7278.802	97.36405	-56.95165	
## 42	-531.792041	-931.4153	23269.23	6239.478	-690.30183	582.24154	
## 47	-417.204798	-425.9184	22490.98	4046.362	-497.80605	-238.57499	
## 48	-121.600031	-772.6870	29519.19	7758.948	-809.70535	607.87871	
## 49	834.703344	-75.3355	28358.47	18799.787	-51.32968	149.44627	
## 41	-682.833534	-423.2827	39998.94	6207.677	-624.15247	-527.10303	
## 43	-320.502619	-223.6563	42144.50	4027.054	-558.40768	-491.03633	
## 44	-492.437689	-251.5416	36255.58	9659.288	-419.71434	-199.27168	
## 45	-3.624026	-465.2476	35794.61	6801.962	-420.42975	-34.99650	
## 46	-2.433428	-301.6269	32638.90	7265.944	-612.06827	-33.92748	
## 70	-65.917660	-281.5925	34900.37	9053.086	-297.31883	-286.08576	
## 72	-837.638165	-494.1766	33847.37	6393.496	-473.43058	31.38879	
## 68	-106.622359	-1040.4414	26773.40	6550.111	-542.98641	545.74189	
##	D10040_at	D10925_at	D13146_cds1_at	D16105_at	D16480_at	D16481_at	
## 39	-489.9721351	-1498.4562	3683.435	2016.2181	-2373.90621	-464.22361	
## 40	-492.2601012	-1577.0764	1223.638	1433.2313	-2530.60921	306.95701	
## 42	-0.4493699	-1031.8793	4236.897	3946.6676	-996.15874	269.68703	
## 47	-558.8015935	-944.3806	2815.559	1186.1066	-147.08168	408.41344	
## 48	-912.0501284	-1397.6434	5039.190	522.9543	-400.32624	688.44800	
## 49	-535.8107973	-2392.9884	3401.144	4151.8713	-3549.63250	-116.80010	
## 41	-233.6977376	-1025.8920	2865.114	1032.4590	1070.82734	269.60519	
## 43	-446.8238892	-1396.3388	3460.714	1715.3752	-547.88091	-147.86355	
## 44	-731.0611880	-1569.6523	3630.067	1064.2966	-47.00716	27.98880	
## 45	-406.9844063	-1590.1749	3400.289	1235.5887	-34.99650	70.32538	
## 46	-666.0580690	-1192.4586	2652.065	764.6717	-128.40963	-117.16176	
## 70	-587.1319386	-1422.8721	2072.858	1007.9635	-753.38132	-20.98539	
## 72	-597.9065916	-1049.7084	2592.367	162.7801	-1791.95424	-459.59991	
## 68	705.0147670	-1372.0781	4189.382	2057.7433	724.65115	1577.74286	
##	D17532_at	D21235_at	D25304_at	D26070_at	D28791_at	D29805_at	D31889_at
## 39	-178.844070	1228.7422	-1000.65130	-408.43513	-595.1120	544.2605	-599.4034
## 40	-706.459499	1645.1274	-881.50417	-43.13233	-540.6277	1301.9478	-388.6152
## 42	-777.370586	3968.9929	640.28738	-484.90886	-518.3968	1662.7871	-384.4449
## 47	-807.140589	571.7944	-192.82834	88.18684	-571.8721	2517.1165	-447.7026
## 48	-1206.019173	1500.6736	3105.52681	-502.67101	-735.6687	3183.9186	-443.8772
## 49	-738.769102	1471.9488	-1162.14449	-265.19972	-815.1513	954.7324	-156.0824
## 41	-477.449828	1321.3503	741.31062	-522.58910	-527.1030	332.8002	-461.6511
## 43	3.721976	1264.8293	79.51474	144.78073	-537.3541	1845.9072	-389.9793
## 44	-417.441732	1175.6542	-619.70356	596.13999	-696.9721	348.4261	-1037.8628
## 45	-348.721240	363.8821	56.88003	-220.99045	-507.8245	245.1149	-1005.3023
## 46	-438.850988	164.0351	1140.35070	-288.12946	-560.3280	397.9909	-398.3586
## 70	-659.023563	781.0555	-164.76864	-236.66027	-380.4435	1690.9339	-407.4029
## 72	-791.535940	600.7513	-833.02794	-141.49456	-574.8555	2698.4025	-468.8204
## 68	-1550.987353	2306.4708	3687.56302	-774.25935	-715.3502	537.0146	-595.3501
##	D38073_at	D38081_at	D38122_at	D38502_at	D43968_at	D45132_at	D50405_at
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## 40	491.21455	-192.8416	-614.3307	-1876.494918	120.39624	-370.18948	894.2779
## 42	484.01012	-594.3029	-411.2353	-1681.546139	-1047.50699	751.91399	66.5266
## 47	1223.13962	-434.6321	-412.8480	-1059.836409	774.38670	-197.18516	828.8470
## 48	2439.19698	-648.5668	-864.1441	-1480.390281	594.81342	-130.31022	1117.4251
## 49	906.72081	935.0913	-738.7691	-1727.372455	-25.14152	662.29790	1696.7306
## 41	1440.96940	-398.4561	-565.4714	-608.353728	3357.13167	-159.21793	1781.7709
## 43	984.81718	-345.7669	-482.6149	-526.827361	-82.59756	393.21256	904.8137
## 44	1452.91198	-585.6145	-508.3459	-103.822276	-192.45386	21.17099	875.6704
## 45	1423.82354	-339.7577	-236.6767	-521.269847	-691.57756	-93.25967	782.9287
## 46	904.14532	-337.6201	-573.8255	-9.182153	168.53428	116.79405	566.7091
## 70	617.05277	172.2233	-490.5276	-849.985691	107.07156	608.06632	1010.2101
## 72	-3.18788	-602.5168	-743.1286	-1342.457537	-1035.87774	4441.06668	425.5628
## 68	517.37823	1171.9243	-900.8049	-1300.078026	-1160.44153	-176.44061	1481.7428
##	D50550_at	D64108_at	D80000_at	D82347_at	D83646_at	D86550_at	D86958_at
## 39	-324.7524	-850.4515	-60.82998	-453.4951	125.84686	323.2523	-449.20363
## 40	-1042.7295	-759.4335	-181.32549	-584.3889	226.34433	-243.5124	-404.73777
## 42	-2311.1202	-813.0911	756.37906	-701.4645	-321.93401	2564.7302	-467.04861
## 47	-210.2556	-748.3235	-297.39212	-665.5438	-314.81942	218.8916	-493.44923
## 48	-1293.1211	-970.8439	1733.67127	-898.9848	-637.67902	3207.8716	-609.37089
## 49	-1173.0562	-723.4927	-245.55860	-487.7992	-359.04066	-287.0232	-647.11051
## 41	-809.2235	-533.8739	420.82176	-662.5209	-551.92963	1447.7403	-479.70679
## 43	-939.4768	-516.3006	64.77726	-356.2936	-244.70986	1146.9295	-547.88091
## 44	-906.0518	-610.6131	530.23445	-492.4377	-224.27033	309.7918	-583.34188
## 45	-962.7254	-711.7456	211.50151	-243.3994	-97.74145	366.1230	-548.16054
## 46	-864.0207	-717.7983	121.29320	-614.3178	-535.58272	661.1912	-708.80000
## 70	-843.2459	-557.9260	-11.99894	-463.5682	-483.78773	-146.7957	-546.69290
## 72	-1377.0342	-844.5535	-159.93545	-743.1286	-478.04080	2919.6932	59.05012
## 68	-1714.6239	-1007.7141	866.46946	-872.4413	-676.07744	1691.1975	-453.53178
##	D86988_at	D87002_cds2_at	HG162-HT3165_at	HG2465-HT4871_at	HG2743-HT2845_at		
## 39	2606.2885	-1425.502	-1125.10253	-215.3212	-391.26944		
## 40	1246.6705	-1922.559	-151.38364	-381.7056	-404.73777		
## 42	2040.0851	-2255.307	-670.20904	-507.2342	-531.79204		
## 47	1759.0290	-1055.480	-177.57945	-388.8854	-458.59463		
## 48	1113.0700	-2532.146	-955.60110	-657.2770	-883.74200		
## 49	3250.5619	-2270.777	-417.96404	-389.5935	-712.58093		
## 41	1152.0780	-1353.152	-490.99161	-527.1030	-445.85233		
## 43	944.8154	-1390.023	-158.39032	-335.2401	-516.30059		
## 44	1227.9241	-1112.859	-283.35805	-496.9829	-424.25955		
## 45	1919.0605	-1773.928	-68.60987	-196.3407	18.78488		
## 46	1356.3099	-1439.912	-317.37394	-571.5759	-659.30934		
## 70	1980.7470	-1537.449	-357.97739	-420.8826	-481.54111		
## 72	1785.5785	-1745.852	-736.21327	-514.9226	-657.83949		
## 68	589.3783	-2100.806	-850.62306	-750.2593	-717.53202		
##	HG2841-HT2970_at	HG2846-HT2983_at	HG3543-HT3739_at	HG3859-HT4129_at			
## 39	-515.7207	-108.03561	473.4520	-464.2236			
## 40	-515.2923	-222.78344	1384.8637	-572.8728			
## 42	-627.7909	506.33545	-453.6534	-612.1632			
## 47	-613.2619	205.82110	338.7043	-674.2574			
## 48	-1073.1887	651.42968	-539.6893	-955.6011			
## 49	-804.2395	-51.32968	830.3386	-629.6517			
## 41	-628.6664	1034.71592	-105.0508	-727.9728			
## 43	-476.2989	389.00185	-356.2936	-838.4198			
## 44	-585.6145	1000.66363	139.3464	-869.6901			
## 45	-552.6423	218.22418	294.4145	-640.0371			

## 46	-560.3280	-38.42663	-285.8799	-639.0632			
## 70	-546.6929	-119.83638	-184.9882	-551.1861			
## 72	-703.9417	-464.21014	-171.4610	-724.6877			
## 68	-846.2594	91.92328	-501.5318	-1132.0779			
##	HG4679-HT5104_at	HG651-HT4201_at	J00220_cds4_at	J02783_at	J02986_cds1_at		
## 39	-638.0262	730.9373	-846.1601	-674.5033	-112.3270		
## 40	-536.0213	1304.2510	251.6797	1926.1202	67.4222		
## 42	-882.2996	2033.3875	-426.8630	1218.5132	-458.1185		
## 47	-539.1959	846.2743	-484.7356	587.0432	-417.2048		
## 48	-992.6194	1215.4147	-1968.1611	1065.1639	-768.3319		
## 49	-836.9747	1317.0021	-1537.5082	-1934.6955	-158.2647		
## 41	-592.5550	2632.6463	-585.7841	1046.0007	-484.2207		
## 43	-722.6253	1031.1350	-223.6563	1319.5685	-364.7151		
## 44	-633.3392	589.3222	-374.2622	530.2344	-808.3297		
## 45	-498.8609	565.5623	-772.2496	168.9246	-1372.8084		
## 46	-490.5912	1108.8566	-956.2533	391.2422	-263.3841		
## 70	-463.5682	715.9038	-167.0153	-438.8555	-209.7009		
## 72	-844.5535	1347.6073	-982.8602	467.0548	-247.5297		
## 68	-998.9868	3497.7447	-1448.4418	1337.7426	-802.6230		
##	J03027_at	J04168_at	J04182_at	J04449_at	J04513_at	J05633_at	K01900_at
## 39	-320.4610	-361.22949	653.6917	-938.4257	-603.6948	-112.3270	-479.2436
## 40	-264.2414	-50.04199	691.5946	-1319.1158	-598.2082	-1010.4845	-388.6152
## 42	-480.4438	-594.30294	2026.6899	-746.1151	-676.9066	-569.7451	-400.0726
## 47	-665.5438	-530.48223	987.8711	-1133.9024	-584.9425	-589.2994	-452.0594
## 48	-1066.6561	-707.36057	2896.4822	-1528.2963	-1062.3010	-903.3399	-726.9585
## 49	-433.2405	-302.29963	1013.6558	-878.4393	-732.2221	-668.9340	-450.6993
## 41	-579.0132	-454.88019	1689.2354	-1001.0654	-658.0069	-470.6789	-515.8182
## 43	-421.5596	-227.86702	1203.7740	-920.5287	-406.8222	-855.2627	-425.7703
## 44	-703.7899	-474.25685	587.0496	-1085.5875	-626.5214	-508.3459	-342.4458
## 45	-873.0897	-615.38727	213.7424	-1050.1201	-550.4014	-899.9804	-373.3710
## 46	-447.8493	-508.58782	2157.1586	-864.0207	-630.0649	-537.8323	-391.6099
## 70	-452.3351	-380.44352	718.1504	-1016.2351	-578.1455	-396.1698	-268.1129
## 72	-614.0424	-436.54880	2864.3706	-1307.8809	-826.1126	-805.3666	-418.1079
## 68	-826.6230	-739.35023	4643.2003	-1201.8961	-985.8959	-1064.4414	-734.9866
##	K02766_at	L00058_at	L00205_at	L04282_at	L04569_at	L04731_at	L04751_at
## 39	-695.9604	-474.9522	-320.4610	503.49196	-1586.4303	-573.6549	-335.4810
## 40	-397.8281	1057.8065	350.7182	182.58316	-2072.2686	-598.2082	-308.0026
## 42	-732.7199	-386.6774	-417.9329	356.75579	-1226.1096	-795.2308	-1360.0615
## 47	-489.0924	471.5874	-351.8524	-338.78196	-1820.1023	-693.8632	-421.5616
## 48	-936.0032	488.1135	-628.9688	320.44231	-2220.7568	-496.1384	-607.1933
## 49	-476.8874	-483.4345	-876.2570	256.38129	-2358.0708	699.3978	-1227.6149
## 41	-694.1184	1025.6881	-655.7500	484.01675	-1012.3502	-694.1184	-254.0104
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## 44	-687.8817	-556.0706	-633.3392	505.23580	-924.2326	-1206.0356	-199.2717
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## 39	-423.4551	-470.6607	-459.9322	-541.4692	685.87738	679.4402	591.4661
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## 42	-636.7211	-741.6501	5004.8879	-797.4634	396.94137	796.5646	2935.3305
## 47	-384.5286	-517.4118	704.6775	-584.9425	521.69088	1735.0665	2957.1558

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## 43 -411.0329 -575.2505 1359.5703 -813.1556 797.44063 1477.4701 620.5908
## 44 -744.6968 -535.6172 -587.8871 -785.6037 2848.29130 1682.4451 1287.0118
## 45 -427.1524 -581.7739 -164.9682 -861.8853 1524.66364 1591.8904 1930.2649
## 46 -472.5946 -551.3297 -477.0938 -679.5555 1599.26401 1111.1062 1255.0790
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## 42 -297.376157 -556.3499 -942.5780 -549.6523 539.82343 25122.24 -739.4175
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## 39 -133.7841 -412.72655 -196.0098 -470.66074 6414.925 265.318063 -537.1778
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## 68 -846.2594 613.37832 -625.8956 -837.53214 4505.746 190.105192 -937.8959
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## 39 -670.2118 -391.2694 -1498.4562 -1017.8170 -573.6549 -215.32115
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## 48 -794.46251 183.2568 -596.3056 1274.208544 -306.69165 -642.03412 -180.3938
## 49 -223.73512 869.6209 -660.2046 666.662598 49.05829 -81.88255 561.9099
## 41 -831.79314 -445.8523 -441.3384 10.054353 -147.93311 -441.33841 -290.1218
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## 39 -200.30118 -1187.3281 52.89270 565.71757 -434.1837 -1912.578
## 40 -47.73877 -632.7565 242.46686 862.03286 -519.8987 -2263.436
## 42 -203.60980 -475.9787 227.26892 939.44670 -810.8586 -2087.867
## 47 -489.09240 -1088.1558 -118.76232 -197.18516 -558.8016 -1467.199
## 48 -509.20366 -1502.1658 -291.44881 353.10554 -975.1990 -2442.867
## 49 -551.08723 -607.8283 585.91575 919.81489 -625.2870 -3045.510
## 41 -592.55498 -802.4526 -278.83701 -490.99161 -732.4867 -1700.724
## 43 -360.50435 -1219.4890 -324.71333 595.32659 -625.7790 -1714.247
## 44 -251.54159 -1192.4000 93.89434 1536.99835 -424.2595 -1231.034
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## 46 -927.00878 -1381.4229 409.23881 -249.88668 -609.8187 -1739.105
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## 72 -72.34122 -786.9257 59.05012 -97.69744 -740.8235 -2174.603
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## 39 -526.4492 451.99490 -314.0239 -638.02618 -232.4868 -339.77238
## 40 -552.1438 120.39624 -195.1448 -275.75748 -144.4740 -268.84783
## 42 -708.1621 -451.42088 120.1074 -1127.87815 -272.8183 -348.72440
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## 43 -581.5666 -101.54575 -274.1848 1077.45278 -331.0294 43.72371
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## 39 2001.198 9236.535 -674.5033 763.12297 -985.6313 509.92909 -112.3270
## 40 2181.778 4273.101 -287.2736 -75.37740 -1022.0005 468.18236 -114.5321
## 42 3319.326 7869.227 -781.8357 946.14430 -989.4611 1048.84078 -596.5355
## 47 2608.610 7329.229 -608.9051 637.14673 -526.1254 -401.95591 -438.9889
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## 43 1471.154 6334.523 -476.2989 591.11588 -621.5683 35.30229 -526.8274
## 44 1718.807 6398.100 -626.5214 -381.08006 -1067.4067 55.26006 -262.9046
## 45 2084.886 3243.427 -599.7010 3214.29545 -989.6161 -19.31026 -487.6565
## 46 1734.239 2508.092 -693.0530 1088.61047 -679.5555 -141.90708 -456.8476
## 70 3202.905 5838.182 -602.8582 -27.72523 -838.7526 37.42655 -407.4029
## 72 4228.996 12273.835 -826.1126 195.05169 -980.5551 252.67947 -395.0568
## 68 5149.383 8542.113 -998.9868 122.46877 -1042.6232 -665.16834 -488.4409
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## 40 -529.1116 -860.7752 -814.71081 -1535.6185 -508.3826 -215.87378
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## 49 -559.8166 -747.4985 -529.26376 -1661.9020 -531.4461 -90.61194
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## 43 -234.1831 -476.2989 -288.92230 -1385.8120 -465.7721 -173.12780
## 44 -440.1678 -531.0720 -126.54832 -660.6104 -535.6172 -610.61314
## 45 -649.0006 -646.7597 522.98536 -1561.0433 -460.7658 -687.09578
## 46 -463.5963 -693.0530 179.78215 -1095.7269 -470.3450 -535.58272
## 70 -528.7200 -551.1861 -551.18613 -924.1239 -411.8961 -495.02079
## 72 -803.0615 -800.7564 -625.56793 -2679.4221 -740.8235 -422.71813
## 68 -665.1683 -859.3503 -169.89515 -1989.5332 -909.5322 -800.44119
## U10886_at U11287_at U12767_at U13022_at U14394_at U16307_at U17838_at
## 39 -614.4234 -867.6172 -541.469194 -299.00387 866.11709 -625.1519 -13.62434
## 40 -552.1438 -605.1178 265.499058 -50.04199 714.62683 -294.1832 -128.35145
## 42 -587.6053 -732.7199 6.248227 144.66523 202.71106 -580.9077 -587.60535
## 47 -739.6098 -839.8168 -462.951455 118.68461 229.78364 -789.7133 -188.47151
## 48 -851.0788 -1145.0478 -395.971139 96.15482 183.25676 -846.7237 -465.65269
## 49 -564.1813 -695.1222 -507.440282 149.44627 1308.27272 -564.1813 160.35801
## 41 -540.6448 -737.0007 -617.381583 -402.97002 -10.25832 -603.8398 -217.89899
## 43 -737.3628 -733.1521 -552.091615 -143.65284 186.88782 -600.5148 -1137.38017
## 44 -708.3351 -728.7886 -708.335140 64.35048 184.79853 -637.8844 198.43416
## 45 -530.2334 -841.7173 -615.387269 -465.24757 251.83755 -581.7739 -288.21718
## 46 -501.8391 -733.5453 -310.625210 -450.09886 -47.42493 -515.3365 -177.90028
## 70 -578.1455 -510.7471 -59.177820 -286.08576 342.96596 -470.3080 -297.31883
## 72 -694.7213 -837.6382 -162.240559 363.32481 218.10280 -752.3490 -153.02011
## 68 -926.9868 -1044.8051 -964.077710 281.74164 15.55957 -451.3500 -198.25881
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## 39 -1183.03672 -247.506816 -813.9745 -1017.8170 -474.9521596 -541.4692
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## 47 682.89339 -160.152153 -689.5063 -600.1914 -234.2181692 -417.2048
## 48 -883.74200 -378.550751 -1147.2254 -1018.7500 -942.5358071 -944.7134
## 49 2595.85766 -566.363660 -1085.7623 -1530.9612 -610.0106075 -455.0639
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## 43 -118.38859 -126.810003 -722.6253 -939.4768 -562.6183873 -274.1848
## 44 -153.81958 7.535357 -644.7022 -1015.1368 -383.3526609 -562.8884
## 45 -1070.28814 110.661415 -588.4966 -595.2193 -454.0431173 -492.1383

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## 72    -632.48326 -473.430582 -943.6733 -800.7564 -625.5679271 -697.0264
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## 39    -751.7489 -670.2118 -959.8828 -361.2295 121.555440 -638.0262 -526.44922
## 40   -1164.8001 -598.2082 -536.0213 -515.2923 728.446143 -471.5311 -432.37640
## 42    -851.0441 -741.6501 -1125.6456 -739.4175 2104.828523 -609.9307 -279.51590
## 47    -902.9907 -380.1718 -608.9051 -467.3083 5.407178 -635.0460 -234.21817
## 48   -1160.2907 -1057.9459 -888.0971 -944.7134 -193.459131 -596.3056 -587.59541
## 49   -1216.7032 -638.3811 -439.7875 116.7111 1537.419194 -398.3229 160.35801
## 41    -919.8147 -610.6107 -700.8892 -648.9791 -120.849548 -452.6232 -599.32587
## 43    -661.5700 -406.8222 -497.3524 -364.7151 50.039775 -526.8274 -661.57005
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## 72   -1010.5215 -715.4673 -632.4833 -597.9066 77.491015 -754.6542 -339.73413
## 68   -1022.9869 -964.0777 -881.1685 -974.9868 277.378002 -717.5320 -241.89521
##      U28055_at U31556_at U33632_at U33841_at U34587_at U35376_at
## 39   -474.9522 -189.57262 -515.7207 -97.30706 74.349803 -644.4633
## 40   -648.8790 -374.79592 -542.9309 -512.98908 -388.615231 -635.0597
## 42   -763.9754 -306.30629 -598.7680 -703.69702 -304.073753 -795.2308
## 47   -563.1584 123.04144 -685.1495 -343.13878 -484.735577 -674.2574
## 48   -820.5931 -193.45913 -942.5358 -517.91385 -541.866887 -942.5358
## 49   -199.7293 73.06412 -588.1871 -426.69343 42.511253 -782.4160
## 41   -574.4993 -165.98882 -746.0285 -461.65108 -493.248574 -592.5550
## 43   -592.0934 -51.01724 -507.8792 -451.03460 -183.654575 -552.0916
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##      U36341_rna1_at U37146_at U37426_at U38276_at U38291_rna1_at U40571_at
## 39      430.53779 917.6141 -299.00387 872.55422 -663.77471 -397.7066
## 40     1101.56767 1062.4129 -632.75648 1799.44313 -319.51865 -287.2736
## 42     4585.17183 1872.6452 -480.44380 1298.88439 -429.09556 -701.4645
## 47      591.40007 987.8711 -401.95591 541.29659 -77.37249 -635.0460
## 48      690.62555 684.0929 -56.27358 93.97727 -851.07877 -750.9115
## 49     1244.98465 1914.9653 -751.86319 937.27367 99.25228 -258.6527
## 41      77.76327 935.4095 52.93666 -391.68520 -339.77504 -648.9791
## 43     839.54772 536.3767 -360.50435 140.57002 -198.39206 -465.7721
## 44     -12.91809 532.5071 -399.26089 764.31274 -28.82632 -390.1705
## 45      79.28894 480.4084 -485.41559 554.35783 -270.29006 -474.2111
## 46     393.49178 780.4187 -479.34334 559.96034 -321.87309 -501.8391
## 70     412.61097 140.7708 -445.59530 176.71657 -81.64395 -113.0965
## 72     407.12193 1439.8118 -805.36661 633.02283 -484.95614 -616.3475
## 68     316.65077 3030.8351 -772.07753 661.37836 43.92324 -887.7140
##      U40705_at U41518_at U41654_at U41740_at U43653_at U47077_at U47292_at
## 39   -1245.2623 -133.78414 261.0266 -299.00387 -663.7747 -507.13782 -629.4433
## 40   -169.8094 539.58216 396.7826 -367.88626 -766.3432 -128.35145 -641.9694
## 42   -701.4645 1341.30250 129.0375 -283.98096 -906.8575 -219.23753 -659.0464
## 47   -580.5857 147.00397 192.7506 -197.18516 -702.5768 -168.86580 -412.8480

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## 48	-1212.5518	-393.79359	2524.1214	-136.84287	-1251.7477	-45.38583	-840.1910
## 49	-1127.2269	-201.91165	-197.5470	-483.43446	-1127.2269	-241.19390	-900.2628
## 41	-951.4122	-441.33841	702.9422	-430.05359	-752.7994	165.78485	-592.5550
## 43	-385.7686	155.30750	374.2644	-97.33504	-642.6219	-324.71333	-421.5596
## 44	-437.8952	-376.53485	-208.3621	-508.34592	-687.8817	-369.71703	-603.7953
## 45	-279.2536	-153.76372	836.7101	-422.67064	-705.0229	-288.21718	-501.1018
## 46	-841.5249	-303.87649	245.0198	-402.85779	-821.2787	-454.59801	-522.0853
## 70	-425.3758	19.45364	-299.5654	-551.18613	-632.0642	-463.56821	-521.9802
## 72	-874.5199	-44.67988	628.4126	-169.15589	-1123.4720	-365.09035	-667.0599
## 68	-1003.3505	-41.16775	1593.0156	-580.07735	-1097.1687	-254.98614	-1066.6233
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## 39	-871.9087	-303.29530	1224.4508	-1088.6254	-558.6349	-133.78414	
## 40	-669.6080	154.94453	647.8335	-743.3110	-540.6277	263.19584	
## 42	-797.4634	-328.63161	979.6323	-868.9044	-571.9776	-127.70371	
## 47	-693.8632	-160.15215	-314.8194	-948.7374	-706.9336	-273.42959	
## 48	-1129.8050	-456.94250	1117.4251	-994.7970	-1175.5335	-343.70998	
## 49	-795.5101	77.42881	4479.2234	-1186.1503	-557.6343	786.69170	
## 41	-621.8955	-152.44704	533.6700	-876.9324	-551.9296	-360.08771	
## 43	-697.3611	-381.55790	252.1538	-895.2644	-533.1434	-234.18308	
## 44	-765.1503	-710.60775	518.8714	-1051.4985	-578.7967	-503.80071	
## 45	-599.7010	-487.65648	1210.9389	-1050.1201	-489.8974	23.26667	
## 46	-578.3246	-479.34334	1945.6986	-812.2804	-492.8408	-643.56232	
## 70	-562.4192	-25.47862	915.8523	-836.5060	-562.4192	-351.23755	
## 72	-948.2835	-404.27724	2444.8403	-1155.7435	-759.2644	-219.86834	
## 68	-1033.8960	48.28688	4233.0181	-1086.2596	-907.3504	-667.35016	
##	U60061_at	U61500_at	U61981_at	U62438_at	U67615_at	U72649_at	U73936_at
## 39	-541.469194	-335.4810	-638.0262	-552.1977	-876.2001	6361.2824	-689.5232
## 40	-273.454265	-331.0347	-446.1957	-439.2861	-347.1573	226.3443	-563.6599
## 42	-571.977621	-516.1643	-605.4656	-674.6741	-933.6478	10068.2710	-766.2079
## 47	-223.326108	-343.1388	-669.9006	-380.1718	-242.9318	2532.3654	-517.4118
## 48	-278.383521	-628.9688	-748.7340	-1068.8336	-311.0467	9381.2215	-1044.8806
## 49	-812.968912	-450.6993	-634.0164	-483.4345	-725.6750	6652.8414	-723.4927
## 41	7.797389	-346.5459	-441.3384	-560.9575	-416.5118	2657.4729	-585.7841
## 43	-364.715063	-339.4508	-411.0329	-701.5718	-305.7651	3269.1268	-512.0899
## 44	-433.349965	-319.7197	-494.7103	-681.0639	-481.0747	889.3060	-612.8857
## 45	-333.035003	-312.8670	-382.3346	-474.2111	272.0056	7277.0308	-523.5107
## 46	-384.861187	-292.6286	-443.3501	-711.0496	40.3085	1657.7530	-623.3161
## 70	-510.747087	-272.6061	-281.5925	-548.9395	-535.4598	3292.7692	-614.0913
## 72	-374.310797	-505.7021	-805.3666	-604.8219	-759.2644	5565.9610	-445.7692
## 68	231.559777	-523.3500	-793.8957	-935.7140	-508.0773	4003.9270	-881.1685
##	U74324_at	U82467_at	U83171_at	U94832_at	U94836_at	U95626_rna3_at	
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## 40	-1261.5354	-1003.57479	2117.2874	154.94453	-1770.54683	-515.2923	
## 42	-931.4153	-614.39573	1841.3897	751.91399	-902.39239	-683.6042	
## 47	-669.9006	-977.05674	754.7810	462.87375	51.15383	-656.8301	
## 48	-1071.0112	-792.28496	890.9600	1147.91073	-929.47052	-931.6481	
## 49	-1002.8331	-1303.99707	4341.7356	310.93998	-2124.55967	-762.7749	
## 41	-687.3475	-782.13994	265.0913	669.08778	240.26466	-743.7716	
## 43	-621.5683	-305.76514	681.6461	-21.54228	-274.18482	-693.1504	
## 44	-944.6860	-1021.95460	-126.5483	287.06574	-549.25281	-626.5214	
## 45	-1005.3023	-1166.64646	753.7971	195.81527	-117.90947	-725.1909	
## 46	-744.7932	-850.52322	1052.6173	-40.67620	-258.88498	-621.0666	
## 70	-663.5168	-1108.34622	715.9038	57.64607	-1292.56851	-470.3080	
## 72	-1220.2866	-26.23899	2029.9203	1628.83091	121.28813	-862.9944	

## 68	-900.8049	-863.71398	495.5600	1697.74297	-1341.53261	-942.2595
##	U96131_at	U96136_at	V00536_rna1_at	X02160_at	X02883_at	X03350_at
## 39	235.27811	-453.4951	-335.4810	-35.08145	-670.2118	-277.5468
## 40	-374.79592	-384.0088	-676.5176	-347.15728	-1104.9164	-593.6018
## 42	64.29406	-612.1632	-554.1174	-413.46783	-1110.0179	-683.6042
## 47	-27.26901	-584.9425	-621.9755	-1512.94616	-1101.2262	-1654.5430
## 48	-130.31022	-916.4052	-868.4992	-400.32624	-1323.6068	-901.1624
## 49	-243.37625	-457.2463	-542.3578	559.72758	-725.6750	-531.4461
## 41	-59.91153	-515.8182	-678.3196	-384.91431	-931.0996	-477.4498
## 43	-21.54228	-436.2971	-162.6010	-411.03286	-541.5648	-537.3541
## 44	-67.46060	-528.7994	-471.9842	-485.61987	-819.6928	-592.4323
## 45	-129.11392	-566.0877	-324.0714	-487.65648	-1043.3975	-619.8691
## 46	-373.61331	-564.8272	-564.8272	-405.10736	-645.8119	-578.3246
## 70	-158.02880	-375.9503	-542.1997	163.23689	-634.3108	-519.7335
## 72	-3.18788	-542.5839	-648.6190	-70.03611	-1086.5902	-579.4657
## 68	-538.62277	-996.8050	-854.9867	-756.80479	-1232.4416	-979.3505
##	X04526_at	X05309_at	X05610_at	X06268_at	X07203_at	X12671_rna1_at
## 39	3788.575	-751.7489	-350.50093	-211.0297	-644.4633	11884.342
## 40	3490.006	-252.7253	-333.33797	-738.7046	458.9695	5691.884
## 42	3305.931	-299.6087	-435.79315	-766.2079	-614.3957	13950.645
## 47	3510.472	-412.8480	-476.02193	-689.5063	-504.3413	9686.271
## 48	3869.846	-946.8909	-480.89553	-962.1337	-933.8256	15334.639
## 49	3994.742	-666.7516	380.77509	-112.4354	3337.8558	11185.577
## 41	3749.843	-856.6197	-254.01041	-477.4498	-809.2235	12585.857
## 43	1395.361	-491.0363	94.25222	-451.0346	-198.3921	8233.553
## 44	4293.668	-474.2569	-153.81958	-251.5416	-460.6212	13036.378
## 45	2210.376	-335.2759	-171.69085	-346.4803	-566.0877	9473.104
## 46	2289.884	-679.5555	123.54278	-310.6252	-594.0717	7306.436
## 70	3380.387	-652.2837	232.88190	-400.6630	1544.9041	10850.376
## 72	5526.774	-542.5839	70.57568	-478.0408	-346.6495	16210.965
## 68	8633.749	-835.3503	-514.62274	-774.2594	-990.2596	16398.848
##	X15422_at	X15675_at	X16281_at	X16323_at	X16866_at	X17360_rna1_at
## 39	-552.1977	-700.2518	-659.4833	-470.6607	-526.4492	-247.5068157
## 40	-519.8987	-743.3110	-830.8333	-446.1957	-1084.1875	-632.7564803
## 42	-618.8608	-746.1151	-924.7177	-587.6053	-444.7233	-0.4493699
## 47	-726.5393	-1009.7329	-643.7597	-351.8524	-608.9051	-293.0352998
## 48	-929.4705	-1142.8703	-1142.8703	-674.6973	-1179.8886	-824.9481893
## 49	-522.7167	-952.6391	-1024.6566	-695.1222	-634.0164	-965.7332270
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##	X52022_at	X52075_rna1_at	X52228_at	X54741_at	X55005_rna1_at	X55990_rna1_at
## 39	-522.1578	-629.4433	130.1383	-1607.887	441.266348	-127.347011
## 40	-301.0929	-485.3504	-1623.1408	-3322.917	-40.829113	154.944530
## 42	-337.5617	-806.3935	-1002.8563	-3197.436	8.480759	-279.515899
## 47	-297.3921	-384.5286	-981.4136	-1924.666	306.028067	-188.471512
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## 43	-122.5993	-661.5700	-1537.3975	-2093.211	-227.867020	4406.018259	
## 44	-769.6955	-983.3203	-1258.3055	-1610.559	-60.642786	-56.097577	
## 45	-377.8528	-749.8407	-1249.5594	-1832.191	200.297055	-43.960064	
## 46	-519.8357	-630.0649	-839.2753	-1667.119	13.313598	-141.907081	
## 70	-800.5602	-634.3108	-867.9586	-1222.923	-95.123633	-209.700909	
## 72	-660.1446	-902.1813	-782.3155	-2492.708	61.355236	-321.293237	
## 68	-968.4414	-689.1684	-512.4409	-3667.353	373.378092	-501.531821	
##	X56841_at	X57985_rna2_at	X58072_at	X59739_at	X63468_at	X63717_at	
## 39	2591.269	2363.823217	-700.2518	-489.97214	-453.4950517	-419.163679	
## 40	2522.654	-736.401350	-432.3764	-303.39612	-390.9184507	-275.757484	
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## 46	8213.015	2004.187522	-697.5521	-537.83229	-339.8696860	-339.869686	
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##	X64994_at	X65463_at	X65488_at	X65857_at	X66087_at	X66785_at	X70811_at
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## 46	-450.0989	-614.31784	987.3796	-614.317843	-616.5674	627.44759	-472.5946
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## 39	-835.4316	2320.9090	-584.38341	1089.271007	-736.7289	-685.2318	-386.97802
## 40	-658.0919	1580.6373	240.16365	9.841713	-671.9112	-678.8209	-280.36392
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## 47	-589.2994	3002.9024	430.19757	1843.987111	-780.9996	-589.2994	-589.29936
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## 41	-696.3753	1847.2229	806.76257	488.530678	-373.6295	-579.0132	-658.00693
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##	45	-902.2213	-913.4258	639.5117	-422.6706	-640.0371	
##	46	-738.0445	-564.8272	1740.9872	-141.9071	-384.8612	
##	70	-710.6957	-778.0941	958.5380	-288.3324	-432.1156	
##	72	-1058.9288	-853.7739	2537.0448	-372.0057	-531.0584	
##	68	-1060.0778	-1064.4414	2895.5623	262.1053	-595.3501	
##		AB006781_s_at	Z49107_s_at	AC000063_s_at	AC002045_xpt2_s_at	S62027_s_at	
##	39	-522.1578	4715.522	48.60127	3700.601	-726.0003	
##	40	-565.9631	2315.364	-420.86030	7198.189	-600.5114	
##	42	-763.9754	4734.751	-368.81719	4100.712	-859.9743	
##	47	238.4973	2907.052	-534.83906	1273.243	-617.6187	
##	48	-635.5015	2343.385	-297.98146	5518.251	-1140.6927	
##	49	-457.2463	5677.332	439.69847	3553.908	-730.0397	
##	41	-669.2918	2759.036	-46.36974	4399.849	-782.1399	
##	43	-482.6149	1035.346	205.83601	3378.605	-636.3058	
##	44	-640.1570	4320.939	-342.44578	2096.059	-799.2393	
##	45	-787.9359	3823.818	-337.51679	3478.721	-855.1626	
##	46	-486.0921	5473.032	-402.85779	3884.832	-717.7983	
##	70	-357.9774	4881.125	-59.17782	3277.043	-645.5439	
##	72	-708.5519	2527.824	-374.31080	4461.813	-943.6733	
##	68	-610.6228	3456.290	-385.89535	3798.836	-1097.1687	
##		AC002477_s_at	AD000092_cds7_s_at	D10667_s_at	AF001787_s_at	S76853_s_at	
##	39	979.83976	-1670.1131	-897.6572	-989.9227	-569.3634	
##	40	-54.64843	-2661.8927	-911.4460	-840.0462	-658.0919	
##	42	1147.07220	-757.2778	-1007.3214	-909.0900	-819.7887	
##	47	700.32068	-1210.1469	-1046.7659	-635.0460	-652.4733	

## 48	1200.17190		-2312.2138	-1236.5049	-1236.5049	-1042.7030
## 49	247.65190		-1000.6508	-1033.3860	-1024.6566	-806.4219
## 41	265.09126		-360.0877	-782.1399	-669.2918	-646.7221
## 43	515.32312		-1861.6221	-787.8913	-707.8878	-625.7790
## 44	55.26006		-374.2622	-640.1570	-792.4215	-815.1476
## 45	1387.96929		-834.9946	-637.7962	-767.7679	-749.8407
## 46	892.89744		-490.5912	-634.5640	-693.0530	-558.0785
## 70	178.96319		-571.4056	-632.0642	-730.9152	-730.9152
## 72	291.86636		-1607.5453	-897.5711	-1045.0982	-770.7899
## 68	1850.47039		-1814.9876	-1105.8960	-1018.6232	-1014.2596
##	AF012024_s_at	AJ000099_s_at	D00408_at	D00408_s_at	D00003_at	D00003_s_at
## 39	-391.2694	3155.5905	-453.4951	-438.47508	-2740.823	-474.9522
## 40	-584.3889	134.2156	-503.7762	323.07954	-2836.937	-708.7627
## 42	-484.9089	2595.9856	-630.0235	-402.30517	-1752.987	-792.9983
## 47	-484.7356	1743.7801	-589.2994	412.77027	-1824.459	-720.0041
## 48	-572.3526	1849.0813	-1062.3010	-831.48083	-2706.350	-1182.0661
## 49	-420.1464	2816.2747	-745.3161	-339.39953	-2585.035	-725.6750
## 41	-265.2952	915.0968	-676.0626	-448.10930	-1849.684	-391.6852
## 43	-284.7116	3197.5448	-486.8256	-541.56484	-1476.342	-726.8360
## 44	-381.0801	1893.7973	-387.8979	-69.73321	-1160.583	-2467.3312
## 45	-422.6706	1080.9672	-646.7597	-250.12204	-2166.084	-3871.4019
## 46	-389.3603	1147.0994	-564.8272	-614.31784	-1392.671	-535.5827
## 70	-375.9503	1789.7849	-488.2810	-331.01803	-1445.338	-701.7092
## 72	-715.4673	1036.4173	-780.0104	-694.72127	-2566.472	-745.4337
## 68	-542.9864	1758.8339	-959.7141	-634.62286	-2312.443	-944.4413
##	X83416_s_at	M23178_s_at	D00097_s_at	X02419_rna1_s_at	M18700_s_at	Y00097_s_at
## 39	-423.45510	-356.938066	-1007.0884	100.0983	492.76341	306.08657
## 40	-326.42831	-448.498934	-757.1303	-434.6796	346.11173	938.03910
## 42	15.17836	-7.146967	-918.0201	-748.3477	115.64231	765.30919
## 47	22.83448	-301.748949	-674.2574	-458.5946	-151.43850	595.75690
## 48	161.48127	-491.783272	-1232.1498	-822.7706	-317.57939	636.18684
## 49	-374.31709	-457.246292	-1000.6508	-745.3161	428.78674	1124.95554
## 41	208.66717	-536.130887	-955.9262	-615.1246	-477.44983	865.44363
## 43	-288.92230	-396.295381	-726.8360	-269.9741	-21.54228	-97.33504
## 44	-521.98155	-446.985594	-592.4323	-562.8884	-194.72647	75.71350
## 45	354.91853	2875.920910	-843.9582	-633.3144	-411.46619	-368.88926
## 46	-121.66091	-396.109062	-832.5266	-362.3654	-402.85779	397.99093
## 70	-198.46784	-348.990932	-676.9965	-324.2782	-209.70091	169.97673
## 72	-70.03611	-431.938579	-1003.6062	-597.9066	298.78170	842.78796
## 68	681.01474	-691.350181	-1149.5324	-865.8958	434.46906	3100.65338
##	M37271_s_at	D00749_s_at	X15331_s_at	L09229_s_at	X62429_s_at	L32832_s_at
## 39	473.45201	1426.1476	1649.30152	301.79515	-438.4751	-522.1578
## 40	353.02139	1652.0371	394.47934	1792.53347	-402.4345	207.9186
## 42	595.63674	1274.3265	1526.60268	501.87038	-710.3946	-578.6752
## 47	27.19130	1070.6508	-1234.10939	-807.14059	-748.3235	-347.4956
## 48	-125.95513	2369.5154	-925.11542	17.76307	-1031.8153	-1005.6847
## 49	1164.23780	2560.9401	-590.36948	1511.23103	-644.9282	-180.0882
## 41	170.29878	1343.9200	357.62678	39.39488	-806.9665	-172.7597
## 43	144.78073	919.5512	281.62877	-61.54401	-558.4077	-269.9741
## 44	300.70137	816.5826	805.21962	-460.62122	-394.7157	-326.5375
## 45	543.15338	1101.1352	-705.02291	-21.55115	-382.3346	-398.0208
## 46	303.50878	1009.8753	816.41189	-155.40453	-614.3178	-317.3739
## 70	551.90099	1385.3945	-56.93121	-101.86347	-542.1997	-198.4678
## 72	42.91435	3850.9582	517.76727	344.88392	-708.5519	-770.7899

## 68	126.83241	2310.8345	835.92398	1291.92441	-1012.0778	-924.8049
##	D10326_s_at	D10537_s_at	L24893_s_at	D10922_s_at	L06797_s_at	L09230_s_at
## 39	-3813.678	31.43559	-547.9063	-721.7089	12671.8179	-1037.1284
## 40	-4815.403	-179.02227	-787.0722	-639.6661	118.0930	-1367.4834
## 42	-5273.690	178.15321	-871.1369	-801.9284	24907.9127	-529.5595
## 47	-2528.086	-35.98266	-685.1495	-735.2530	4532.1478	-310.4626
## 48	-6334.146	-267.49578	-1162.4682	-1003.5072	24865.7688	-1003.5072
## 49	-8697.790	518.26298	-1114.1328	-788.9631	921.9972	-1744.8312
## 41	-2711.844	213.18109	-876.9324	-642.2082	11195.5669	-743.7716
## 43	-2827.980	35.30229	-874.2109	-486.8256	17160.2559	-844.7359
## 44	-2124.168	634.77427	-674.2461	-585.6145	4561.8353	-667.4283
## 45	-2401.377	493.85378	-713.9865	-781.2132	4724.6560	-790.1768
## 46	-1880.829	-54.17365	-861.7711	-558.0785	10239.8818	-578.3246
## 70	-2074.390	387.89822	-551.1861	-465.8148	2344.6984	-762.3678
## 72	-4290.695	-275.19101	-872.2148	-763.8746	22607.6487	-998.9960
## 68	-5436.809	-185.16789	-1040.4414	-974.9868	18672.3044	-1400.4418
##	D11327_s_at	D12620_s_at	D12775_s_at	M19650_s_at	S50017_s_at	M15465_s_at
## 39	-35.08145	-532.88635	-232.48684	-329.04383	587.17468	799.6001
## 40	-137.56432	-1740.60498	-215.87378	-56.95165	597.16264	-390.9185
## 42	-732.71994	-518.39685	-33.93735	-650.11625	-118.77358	559.9162
## 47	64.22431	-680.79268	-273.42959	-430.27527	-73.01566	-105.6918
## 48	-1299.65376	-964.31129	111.39766	-385.08340	-485.25063	122.2854
## 49	-105.88837	-607.82826	-53.51203	-90.61194	729.95067	182.1815
## 41	-759.57030	-459.39412	-373.62949	-134.39133	10.05435	-292.3788
## 43	-415.24357	-82.59756	-446.82389	-693.15037	277.41806	389.0019
## 44	-467.43904	-426.53215	-487.89248	-147.00177	348.42607	148.4369
## 45	-384.57550	-465.24757	-194.09976	-191.85887	-308.38520	-438.3569
## 46	-324.12266	-265.63371	11.06402	143.78895	409.23881	195.5292
## 70	432.83049	-555.67935	-463.56821	107.07156	311.51337	-274.8527
## 72	-796.14616	-501.09192	-528.75325	-648.61904	42.91435	492.4110
## 68	-678.25926	-776.44117	-45.53139	-505.89546	-226.62247	240.2871
##	D79206_s_at	HG1686-HT4572_s_at	D13413_rna1_s_at	D13631_s_at	D13638_s_at	
## 39	1456.18755	-346.2095		27522.28	-537.177773	-1084.3340
## 40	-215.87378	-671.9112		31077.97	-522.201952	-787.0722
## 42	807.72730	-1016.2515		36434.48	767.541717	-761.7429
## 47	654.57403	-471.6651		29490.22	46.797010	-504.3413
## 48	-56.27358	-835.8359		44581.29	949.753820	-1047.0581
## 49	1914.96529	-1594.2493		50310.70	-363.405356	-974.4626
## 41	-267.55219	-809.2235		32702.17	432.106583	-694.1184
## 43	327.94657	-636.3058		25640.62	-6.804796	-686.8343
## 44	475.69194	-151.5470		30660.43	-60.642786	-731.0612
## 45	410.94081	-483.1747		39906.64	514.021795	-590.7375
## 46	361.99773	-427.6031		24072.52	1277.574779	-686.3042
## 70	109.31818	-535.4598		34983.50	430.583873	-679.2431
## 72	845.09307	282.6459		34633.41	-86.171886	-1063.5391
## 68	460.65090	-1393.8963		43006.15	2310.834458	-972.8050
##	D13666_s_at	D13705_s_at	D13720_s_at	D13814_s_at	HG1400-HT1400_s_at	
## 39	-648.7547	1110.7281	-335.48096	-127.3470		-434.18365
## 40	-600.5114	832.0910	-181.32549	-420.8603		-93.80316
## 42	-554.1174	499.6378	-507.23419	-650.1162		-65.19280
## 47	-674.2574	284.2439	-260.35912	-621.9755		480.30105
## 48	-975.1990	252.9383	-742.20135	-848.9012		1920.94044
## 49	-348.1289	2495.4697	-535.81080	-815.1513		-197.54696
## 41	-574.4993	116.1317	-391.68520	-509.0473		107.10380

## 43	-773.1538	349.0001	-440.50783	-436.2971	161.62356	
## 44	-683.3365	239.3410	-681.06388	-528.7994	125.71080	
## 45	-599.7010	341.4732	-772.24964	-364.4075	207.01973	
## 46	-614.3178	303.5088	-490.59121	-587.3229	-366.86459	
## 70	-542.1997	933.8252	-427.62240	-504.0072	-265.86624	
## 72	-761.5695	342.5788	-40.06966	-648.6190	-558.71970	
## 68	-933.5322	72.2869	-841.89578	-929.1686	390.83265	
##	HG2348-HT2444_s_at	HG3362-HT3539_s_at	HG1699-HT1704_s_at	U41766_s_at		
## 39	-123.05559		-449.2036	-824.7030	-603.6948	
## 40	-317.21543		-715.6724	-692.6402	-512.9891	
## 42	-1239.50476		-538.4896	-757.2778	-717.0922	
## 47	-1081.62053		-1014.0898	-648.1165	-626.3324	
## 48	-798.81761		-922.9379	-1033.9928	-851.0788	
## 49	-865.34525		-660.2046	-836.9747	-751.8632	
## 41	-806.96654		-621.8955	-590.2980	-628.6664	
## 43	-97.33504		-385.7686	-497.3524	-526.8274	
## 44	-646.97481		-485.6199	-515.1637	-626.5214	
## 45	-326.31233		-406.9844	-395.7800	-613.1464	
## 46	-643.56232		-249.8867	-639.0632	-634.5640	
## 70	-701.70922		-243.4001	-555.6794	-533.2132	
## 72	-597.90659		-427.3284	-945.9784	-484.9561	
## 68	-1533.53279		-769.8957	-961.8959	-1020.8050	
##	D14826_s_at	S68271_s_at	HG2075-HT2137_s_at	X52213_s_at	Z49835_s_at	
## 39	-459.9322	-620.8605	-685.2318	-820.4116	960.5284	
## 40	-448.4989	-439.2861	-351.7637	-98.4096	1170.6643	
## 42	-464.8161	-547.4198	-828.7188	-335.3292	2171.8045	
## 47	-626.3324	-521.7686	-752.6803	-715.6473	1310.2761	
## 48	-842.3686	-885.9195	-1064.4785	-986.0868	1650.9244	
## 49	-527.0814	-902.4452	-1009.3802	-754.0455	-121.1648	
## 41	-574.4993	-522.5891	-687.3475	-515.8182	921.8677	
## 43	-324.7133	-411.0329	-743.6789	-676.3075	1683.7949	
## 44	-433.3500	-496.9829	-503.8007	-771.9681	837.0361	
## 45	-424.9115	-530.2334	-725.1909	-964.9663	1184.0482	
## 46	-490.5912	-450.0989	-621.0666	-769.5385	1792.7275	
## 70	-539.9531	-438.8555	-542.1997	-809.5467	947.3049	
## 72	-367.3955	-330.5137	-851.4688	-1326.3218	2016.0896	
## 68	-920.4413	-778.6230	-1127.7142	-433.8954	2223.5616	
##	HG4541-HT4946_s_at	D16611_s_at	D16688_s_at	D16827_s_at	D17408_s_at	
## 39	5305.593	-500.7007	-882.6372	-1176.600	-303.2953	
## 40	2313.061	-165.2030	-814.7108	-1217.774	-745.6142	
## 42	5690.275	-241.5629	-699.2320	-1607.873	-690.3018	
## 47	2752.385	-617.6187	-772.2860	-1027.160	-643.7597	
## 48	4882.406	-892.4522	-1101.4968	-1752.584	-1018.7500	
## 49	6829.612	-295.7526	-701.6692	-1214.521	-682.0281	
## 41	2896.711	-597.0689	-558.7005	-1118.428	-529.3600	
## 43	3702.830	-101.5457	-512.0899	-1183.698	-712.0986	
## 44	3339.174	-631.0666	-990.1381	-1276.486	-590.1597	
## 45	2817.658	-720.7091	-873.0897	-1135.274	-458.5249	
## 46	1513.780	-567.0768	-573.8255	-1075.481	-414.1057	
## 70	4162.209	-382.6901	-607.3515	-1211.690	-614.0913	
## 72	4738.426	-743.1286	-803.0615	-1335.542	-872.2148	
## 68	4931.201	-933.5322	-1005.5323	-1090.623	-1160.4415	
##	X83929_s_at	U00802_s_at	Z11685_s_at	S69231_s_at	D17570_s_at	X91653_s_at
## 39	-588.6748	1202.99368	-638.0262	-2264.475	-1374.0050	-283.9839

## 40	-598.2082	-1657.68908	-360.9766	-1215.471	-996.6651	-625.8468
## 42	-719.3247	-1362.29403	-509.4667	-1806.568	-777.3706	-442.4908
## 47	-711.2905	-789.71329	-301.7489	-1787.426	-985.7704	-772.2860
## 48	-1127.6274	-1223.43956	-975.1990	-1942.031	-1199.4865	-755.2666
## 49	-819.5160	-1330.18524	-472.5227	-2718.158	-1026.8390	-287.0232
## 41	-694.1184	-1159.05290	-466.1650	-1271.901	-793.4248	-542.9018
## 43	-752.1003	-1263.70144	-269.9741	-1310.019	-501.5631	-501.5631
## 44	-446.9856	1734.71497	-667.4283	-1015.137	-765.1503	-562.8884
## 45	-539.1970	-205.30422	-740.8772	-1894.936	-967.2072	-651.2415
## 46	-612.0683	-15.93088	-432.1023	-1190.209	-753.7915	-454.5980
## 70	-627.5710	-539.95306	-389.4300	-1344.241	-798.3136	-434.3622
## 72	-853.7739	-519.53281	-441.1590	-1939.481	-943.6733	-644.0088
## 68	-1057.8960	-1838.98762	-717.5320	-2600.443	-1293.5326	-942.2595
##	D21241_xpt1_s_at	U23850_s_at	D26155_s_at	D26156_s_at	U62293_rna1_s_at	
## 39	-511.42924	-45.8100	-620.8605	8056.3939		-108.0356
## 40	-314.91221	-188.2351	-441.5893	1428.6248		-872.2913
## 42	-444.72328	-451.4209	-598.7680	1816.8319		-837.6490
## 47	-288.67848	-438.9889	-214.6125	380.0941		-44.6963
## 48	-803.17270	-563.6424	-681.2300	1934.0057		-909.8726
## 49	-14.22978	-330.6701	-651.4752	3270.2030		-1640.0786
## 41	-664.77782	-504.5334	-260.7813	1932.9875		-222.4129
## 43	-621.56831	-421.5596	-507.8792	706.9104		-621.5683
## 44	-383.35266	-283.3581	-308.3567	3386.8986		-315.1745
## 45	-563.84678	-319.5897	-510.0654	1213.1798		-534.7152
## 46	-558.07847	-508.5878	-555.8289	559.9603		-672.8068
## 70	-396.16981	-690.4761	-596.1184	1007.9635		-620.8311
## 72	-547.19414	-328.2086	-519.5328	4618.5602		-365.0904
## 68	-898.62310	-752.4411	-604.0774	1483.9246		-730.6229
##	X77922_s_at	D87716_s_at	D26535_s_at	L15326_s_at	D28235_s_at	D28473_s_at
## 39	-532.8864	-706.6889	93.66120	-974.9028	-736.7289	16.41561
## 40	-381.7056	-215.8738	101.97049	-464.6215	-439.2861	221.73789
## 42	-659.0464	-614.3957	-489.37393	-1217.1794	-730.4874	19.64342
## 47	-674.2574	-325.7115	1310.27611	-648.1165	-600.1914	64.22431
## 48	-927.2930	-650.7443	738.53162	-1225.6171	-1020.9276	1450.58997
## 49	-572.9107	-682.0281	-77.51785	-1210.1561	-575.0930	817.24457
## 41	-694.1184	-452.6232	-91.50902	-840.8210	-551.9296	1194.96035
## 43	-571.0398	-537.3541	-238.39379	-758.4164	-625.7790	429.00359
## 44	-603.7953	-646.9748	-97.00446	-1178.7643	-744.6968	266.61230
## 45	-575.0512	-510.0654	-250.12204	-1204.7416	-640.0371	231.66953
## 46	-681.8051	-549.0802	11.06402	-744.7932	-636.8136	-63.17195
## 70	-425.3758	-389.4300	138.52415	-784.8339	-477.0479	118.30463
## 72	-759.2644	-558.7197	125.89835	-828.4177	-717.7724	-187.59678
## 68	-942.2595	-407.7136	744.28753	-992.4414	-948.8050	1128.28789
##	D28539_s_at	X59842_rna1_s_at	S78467_s_at	D29640_s_at	D29675_at	D29675_s_at
## 39	-867.6172		-783.9345	-588.6748	-262.52679	-758.1860 327.543676
## 40	-1033.5166		1295.0381	-665.0016	-208.96412	366.8407 1119.993429
## 42	-991.6937		-732.7199	-638.9536	-127.70371	-976.0660 1736.460705
## 47	-720.0041		-147.0817	-534.8391	-471.66510	-1874.5626 -14.198533
## 48	-1286.5885		-652.9219	-903.3399	-393.79359	-1306.1864 298.666826
## 49	-858.7982		2194.3057	-629.6517	55.60534	-950.4568 1426.119478
## 41	-653.4930		-567.7284	-585.7841	240.26466	-398.4561 -98.279910
## 43	-558.4077		-1202.6462	-253.1313	-244.70986	-646.8326 -507.879170
## 44	-890.1435		-701.5173	-590.1597	-353.80880	-1469.6577 127.983408
## 45	-1072.5290		-830.5128	-469.7294	-232.19491	-1164.4056 549.876051

## 46	-645.8119	-441.1006	-614.3178	-207.14476	-711.0496	4.315297
## 70	-638.8040	-528.7200	-638.8040	-211.94752	-701.7092	340.719342
## 72	-828.4177	-233.6990	-623.2628	-302.85235	-957.5040	1485.914010
## 68	-1243.3507	-252.8043	-846.2594	94.10510	-1162.6234	543.560070
##	U34380_rna1_s_at	U10473_s_at	X14085_s_at	L00190_s_at	L27624_s_at	
## 39	213.8210044	-526.4492	2368.1146	-670.2118	-1052.1484	
## 40	0.6288352	-759.4335	873.5490	-598.2082	-706.4595	
## 42	-395.6075746	-813.0911	1631.5317	-464.8161	-726.0223	
## 47	-18.5553571	-393.2423	1127.2895	-338.7820	-661.1870	
## 48	-311.0467484	-996.9745	1476.7206	-713.8932	-996.9745	
## 49	350.2222305	-610.0106	3769.9605	-391.7759	-878.4393	
## 41	-314.9484343	-676.0626	364.3977	-662.5209	-806.9665	
## 43	-491.0363339	-541.5648	742.7014	-632.0951	-768.9431	
## 44	-335.6279611	-762.8777	732.4963	-640.1570	-917.4148	
## 45	-375.6119323	-776.7314	493.8538	-588.4966	-727.4318	
## 46	-227.3909332	-256.6354	350.7499	-326.3722	-762.7898	
## 70	-481.5411149	-427.6224	471.0229	-495.0208	-620.8311	
## 72	107.4574617	-715.4673	2131.3452	-547.1941	-798.4513	
## 68	-776.4411705	-981.5323	938.4695	-724.0775	-1005.5323	
##	D30715_xpt5_s_at	D31628_s_at	X68688_rna1_s_at	D31833_s_at	L10377_s_at	
## 39	235.2781	-614.4234	353.2922	-1318.21650	-783.9345	
## 40	111.1834	-655.7887	1893.8751	-671.91121	-2067.6621	
## 42	-609.9307	-1078.7624	-308.5388	-781.83565	-737.1850	
## 47	-96.9782	-739.6098	621.8978	-968.34310	-902.9907	
## 48	-975.1990	-1186.4212	144.0609	-1264.81298	-1149.4029	
## 49	380.7751	-1135.9563	-1085.7623	-1260.35012	-1002.8331	
## 41	-310.4345	-624.1525	-937.8704	-825.02225	-1944.4763	
## 43	-349.9776	-813.1556	-278.3955	-950.00362	-1263.7014	
## 44	-424.2595	-590.1597	477.9645	-74.27841	-1310.5754	
## 45	-552.6423	-749.8407	415.4226	-749.84073	-1688.7741	
## 46	-267.8833	-774.0377	263.0164	-913.51133	-263.3841	
## 70	-335.5113	-445.5953	291.2938	-739.90164	-1191.4709	
## 72	-736.2133	-1229.5071	-662.4497	-1197.23553	-708.5519	
## 68	-763.3502	-1343.7144	-422.9863	-1214.98704	-1094.9869	
##	D31840_s_at	S79862_s_at	X82279_s_at	D32002_s_at	HG4312-HT4582_s_at	
## 39	-547.906327	-747.4574	-496.4093	-1633.6360	3440.970	
## 40	-121.441789	-579.7824	-326.4283	-1579.3796	4164.849	
## 42	-4.914434	-694.7669	-886.7647	-1708.3365	4665.543	
## 47	-22.912182	-458.5946	-839.8168	-1155.6865	3625.928	
## 48	-276.205973	-1090.6091	-1262.6354	-1425.9516	5766.491	
## 49	1000.561743	-668.9340	-367.7701	-2194.3948	7333.734	
## 41	-317.205398	-757.3133	-802.4526	-913.0438	3919.116	
## 43	-339.450809	-600.5148	-436.2971	-1133.1695	3824.940	
## 44	57.532661	-785.6037	-1831.0019	-819.6928	3605.069	
## 45	-158.245505	-606.4237	-2706.1386	-895.4986	5103.367	
## 46	175.283002	-600.8204	-375.8629	-715.5487	4888.143	
## 70	-160.275417	-483.7877	-463.5682	-665.7634	3178.192	
## 72	-173.766115	-837.6382	-678.5855	-1662.8680	4097.605	
## 68	-693.532002	-920.4413	-1195.3507	-1334.9871	9635.205	
##	D37781_s_at	HG4169-HT4439_s_at	D37984_s_at	X62153_s_at	U27325_s_at	
## 39	-674.5033	-479.2436	-717.4175	597.9032	2056.9866	
## 40	-796.2851	-559.0535	-529.1116	548.7950	2315.3643	
## 42	-951.5081	-460.3510	-726.0223	1106.8866	1044.3757	
## 47	-748.3235	-661.1870	-530.4822	271.1735	1236.2101	

## 48	-1084.0765		-1016.5725	-726.9585	2670.0171	1104.3598
## 49	-725.6750		-922.0863	-522.7167	1541.7839	3095.6152
## 41	-915.3008		-676.0626	-497.7625	2294.1017	745.8246
## 43	-762.6271		-360.5044	-425.7703	671.1194	1142.7188
## 44	-778.7859		-812.8750	-487.8925	2793.7488	1096.1130
## 45	-666.9278		-801.3812	-512.3063	2114.0180	921.8640
## 46	-776.2872		-508.5878	-535.5827	1839.9685	1255.0790
## 70	-692.7228		-483.7877	-465.8148	601.3265	1198.9256
## 72	-989.7755		-860.6893	-549.4993	-254.4450	944.2129
## 68	-1136.4415		-948.8050	-630.2592	1944.2887	1078.1060
##	U11821_s_at	D38163_s_at	D38251_s_at	S68874_s_at	D38496_s_at	U38964_s_at
## 39	-614.4234	-710.98035	349.0008	89.369779	59.32983	436.97493
## 40	-446.1957	-63.86131	-326.4283	53.602880	-243.51241	684.68498
## 42	-728.2549	-1031.87926	421.4992	526.428236	-315.23641	-78.58800
## 47	-571.8721	-639.40285	837.5607	-77.372488	-517.41176	-55.58837
## 48	-1044.8806	-1689.43494	984.5946	-147.730613	-659.45450	263.82605
## 49	-754.0455	-1125.04458	1279.9022	1522.142762	387.32214	328.39876
## 41	-608.3537	-1280.92894	1131.7654	-348.802891	138.70129	208.66717
## 43	-571.0398	-1461.60476	-126.8100	-234.183084	-213.12954	-25.75299
## 44	-578.7967	-1015.13678	698.4072	387.060350	-53.82497	-147.00177
## 45	-561.6059	-1206.98249	599.1757	-8.105808	-279.25362	-203.06333
## 46	-672.8068	-1192.45863	373.2456	-31.677903	305.75835	29.06062
## 70	-427.6224	-964.56297	172.2233	-20.985395	-133.31606	-241.15350
## 72	-835.3331	-1105.03107	978.7895	692.955728	-459.59991	-23.93388
## 68	-813.5321	-1729.89661	1996.6523	-364.077147	-396.80445	231.55978
##	D38537_s_at	S78771_s_at	D42040_s_at	Z84497_s_at	D43682_s_at	X90976_s_at
## 39	-835.4316	2554.7915	1301.69638	1986.1781	3788.5752	-1680.842
## 40	-955.2072	1599.0630	-331.03475	1928.4234	7046.1768	-2429.268
## 42	742.9839	3346.1164	1439.53392	1865.9476	2194.1298	-2514.281
## 47	-720.0041	911.6267	521.69088	933.4108	2151.1432	-1759.107
## 48	-885.9195	1703.1856	28.65081	899.6702	4936.8451	-2405.848
## 49	-1011.5625	2353.6171	-1587.70222	1445.7606	921.9972	-3281.204
## 41	-818.2514	1822.3963	985.06271	831.5892	3864.9485	-1506.625
## 43	-617.3576	1041.6618	-436.29712	1056.3992	2559.6224	-2427.962
## 44	-744.6968	1139.2925	230.25062	441.6029	3598.2509	-2015.083
## 45	-772.2496	1571.7223	1564.99967	1134.7486	3008.1335	-1776.169
## 46	-774.0377	2483.3470	2055.92775	1374.3065	4379.7388	-1829.088
## 70	-676.9965	2095.3243	1681.94746	1497.7252	1243.8579	-2170.994
## 72	-653.2293	1734.8660	1617.30535	2541.6550	2979.6261	-1775.818
## 68	-614.9865	2280.2890	144.28697	1141.3788	4881.0187	-2731.352
##	X89109_s_at	U23736_s_at	M19311_at	M19311_s_at	D45917_s_at	D49354_s_at
## 39	730.937305	-397.7066	-1125.1025	1960.430	-371.95804	-339.7724
## 40	560.311132	-888.4138	-817.0140	6737.545	-33.91945	-434.6796
## 42	-1107.785356	-779.6031	-565.2800	5299.582	-500.53659	-609.9307
## 47	-5.484884	-730.8962	-702.5768	12470.282	-388.88544	-334.4251
## 48	2593.802922	-1118.9172	-986.0868	20364.776	-1018.75000	-605.0158
## 49	1565.789709	-983.1920	-917.7216	5050.998	-559.81662	-407.0523
## 41	1996.182496	-633.1803	-628.6664	10577.159	-639.95122	-274.3231
## 43	1715.375194	-299.4491	-682.6236	7422.991	-168.91709	-331.0294
## 44	512.053612	-551.5254	-715.1530	8702.521	-687.88170	-237.9060
## 45	471.444866	-626.5917	-523.5107	4191.324	-501.10183	-171.6909
## 46	1695.995739	-697.5521	-740.2940	1952.447	-468.09546	-450.0989
## 70	6721.101028	-526.4734	-735.4084	1861.677	-443.34869	-477.0479
## 72	2057.581609	-883.7404	-752.3490	6407.327	-726.99282	-593.2964

## 68	2446.107312	-1116.8051	-955.3504	15085.392	-787.35027	-717.5320
##	D49372_s_at	D49487_s_at	D49824_at	D49824_s_at	L38593_s_at	U50079_s_at
## 39	-185.2812	22.85274	-2908.188	91430.13	-247.50682	1866.0183
## 40	-354.0669	83.54473	-2516.790	59739.23	-508.38264	852.8200
## 42	-444.7233	-522.86191	-3449.712	83056.45	160.29295	729.5887
## 47	-256.0023	-334.42513	-1628.402	60628.44	133.93350	325.6338
## 48	-966.4888	-591.95050	-2767.321	49509.08	-881.56445	688.4480
## 49	-385.2288	721.22128	-4479.312	58474.86	-31.68856	2851.1923
## 41	-554.1866	-348.80289	-2337.188	44916.86	-310.43451	1488.3656
## 43	-476.2989	-375.24184	-2939.564	46481.53	-566.82910	864.8120
## 44	-571.9789	209.79718	-2294.613	79866.87	-1303.75759	677.9538
## 45	-420.4298	-26.03294	-2251.238	77282.47	-1068.04725	883.7688
## 46	-594.0717	-96.91558	-1581.635	96108.41	-472.59461	994.1283
## 70	-389.4300	-250.13995	-1930.607	34466.77	-818.53311	1124.7874
## 72	-607.1270	-17.01855	-2142.331	73785.73	-514.92259	1186.2495
## 68	-741.5320	-115.34964	-3641.171	63105.07	-350.98623	1475.1973
##	D50477_s_at	X86371_s_at	Z75190_s_at	D50855_s_at	U58046_s_at	D55643_s_at
## 39	-614.4234	488.47199	-71.55853	209.5296	-507.13782	155.8868
## 40	-1070.3682	617.89162	-347.15728	-519.8987	-47.73877	-303.3961
## 42	-886.7647	-179.05195	-621.09333	-449.1883	-304.07375	-444.7233
## 47	-571.8721	388.80773	-576.22889	-269.0728	-210.25563	-321.3547
## 48	-1136.3376	-424.27927	-1001.32962	-922.9379	-358.95281	-840.1910
## 49	-1118.4975	-81.88255	-324.12310	-1037.7507	-359.04066	-745.3161
## 41	-515.8182	-621.89551	-430.05359	-303.6636	70.99238	-355.5738
## 43	-632.0951	-516.30059	-611.04154	-208.9188	-152.07426	-432.0864
## 44	-603.7953	-158.36479	-531.07197	-508.3459	-258.35940	-587.8871
## 45	-644.5189	-122.39125	-561.60589	-523.5107	108.42052	-463.0067
## 46	-666.0581	-139.65751	-666.05807	-420.8544	-414.10566	-643.5623
## 70	-571.4056	-247.89333	-625.32436	-582.6387	-342.25109	-504.0072
## 72	-897.5711	-106.91789	-678.58549	-809.9768	116.67791	-464.2101
## 68	-985.8959	-451.34996	-992.44137	-739.3502	-220.07701	-852.8049
##	D63479_s_at	D63861_s_at	D63882_s_at	D63940_s_at	S82447_s_at	M96954_s_at
## 39	1078.54245	-419.1637	-805.3916	-908.38574	-419.16368	638.67174
## 40	-31.61624	-496.8665	-694.9434	-577.47922	-750.22067	1182.18035
## 42	1582.41598	-413.4678	-862.2068	15.17836	-62.96027	452.75467
## 47	358.30996	-238.5750	-617.6187	-458.59463	292.95759	454.16010
## 48	1927.47309	-149.9082	-1068.8336	-1097.14175	729.82142	1084.76183
## 49	-302.29963	-300.1173	-871.8923	-856.61586	-871.89229	166.90505
## 41	1914.93180	-529.3600	-865.6476	-800.19565	827.07525	172.55575
## 43	1384.83454	-381.5579	-552.0916	-118.38859	119.51647	287.94484
## 44	734.76888	-562.8884	-640.1570	-742.42421	-110.64009	459.78370
## 45	1513.45918	-474.2111	-691.5776	-749.84073	-274.77184	348.19586
## 46	-238.63881	-382.6116	-693.0530	-596.32124	-585.07337	11.06402
## 70	709.16392	-319.7850	-634.3108	-427.62240	-63.67105	340.71934
## 72	1684.15358	-429.6335	-800.7564	-597.90659	-318.98813	1011.06109
## 68	886.10585	-479.7136	-1031.7141	-1068.80508	249.01434	1348.65174
##	Z79693_s_at	Y10807_s_at	D78132_s_at	D78577_s_at	D79984_s_at	S78271_s_at
## 39	-603.6948	3653.395	-268.9639	2683.534	1378.94196	147.30397
## 40	-319.5187	4706.106	300.0473	2119.591	3229.74233	148.03487
## 42	-781.8357	1640.462	256.2918	3040.260	459.45227	233.96651
## 47	-626.3324	3022.508	284.2439	2765.455	-279.96483	-238.57499
## 48	-901.1624	5444.214	1008.5476	7345.214	-781.39722	1180.57396
## 49	-134.2589	5099.010	-339.3995	2936.304	245.46956	-287.02320
## 41	-621.8955	5663.749	400.5091	4059.047	357.62678	190.61146

## 43	-491.0363	3947.051	212.1521	3829.151	94.25222	75.30403
## 44	-585.6145	5327.703	141.6190	3093.733	-108.36749	189.34374
## 45	-449.5613	5244.543	-216.5087	1715.139	-122.39125	97.21607
## 46	-639.0632	5677.744	-337.6201	1934.451	13.31360	204.52748
## 70	-589.3786	5955.006	-182.7416	2681.690	340.71934	-77.15073
## 72	-699.3315	2795.217	1140.1473	4007.706	-420.41302	-199.12234
## 68	-787.3503	9774.841	379.9236	9696.296	-529.89548	190.10519
##	U50822_rna1_s_at	D83017_s_at	D83260_s_at	D85131_s_at	D85425_s_at	D85759_s_at
## 39	-1176.5996	-500.7007	147.30397	312.5237	-867.6172	-919.1143
## 40	-817.0140	-1010.4845	148.03487	-533.7180	-890.7170	-570.5696
## 42	-770.6730	-781.8357	684.93802	-232.6327	-1304.2482	-1036.3443
## 47	-894.2771	-835.4599	173.14492	-371.4581	-247.2886	-1068.5501
## 48	-1057.9459	-970.8439	1215.41473	-955.6011	-1094.9642	-1371.5129
## 49	-806.4219	-221.5528	-142.98827	-426.6934	-2386.4414	-1308.3618
## 41	-655.7500	-459.3941	-35.08492	-411.9979	-509.0473	-696.3753
## 43	-581.5666	-234.1831	125.83254	-547.8809	-263.6580	-274.1848
## 44	-665.1557	-660.6104	16.62578	-217.4525	-549.2528	-906.0518
## 45	-1103.9015	-763.2861	747.07446	-720.7091	-1511.7437	-1157.6829
## 46	-839.2753	-456.8476	1021.12322	-796.5334	-438.8510	-832.5266
## 70	-596.1184	-387.1834	68.87914	-115.3432	-755.6279	-778.0941
## 72	-975.9448	-759.2644	29.08368	-335.1239	-1349.3729	-1160.3537
## 68	-1136.4415	-907.3504	746.46935	-697.8956	-693.5320	-854.9867
##	U52373_s_at	D86043_s_at	Y10375_s_at	D86062_s_at	D86096_cds1_s_at	
## 39	-1110.0826	-419.1637	-496.4093	-985.6313	-526.4492	
## 40	-1065.7617	-1236.1999	1027.8647	-1319.1158	-441.5893	
## 42	-1027.4142	-1415.8748	-674.6741	-996.1587	-409.0028	
## 47	-776.6428	-1046.7659	-497.8061	-776.6428	-480.3788	
## 48	-1145.0478	-975.1990	-831.4808	-628.9688	-933.8256	
## 49	-1814.6663	-695.1222	1587.6132	-1766.6547	-520.5344	
## 41	-664.7778	-915.3008	-152.4470	-633.1803	-662.5209	
## 43	-581.5666	-899.4751	-457.3507	-743.6789	-476.2989	
## 44	-769.6955	-958.3217	-312.9019	-724.2434	-481.0747	
## 45	-657.9642	278.7282	-256.8447	-510.0654	-438.3569	
## 46	-650.3110	-965.2516	-681.8051	85.3000	-666.0581	
## 70	-746.6415	-849.9857	-589.3786	-939.8502	-665.7634	
## 72	-1213.3713	-680.8906	-809.9768	-1529.1716	-318.9881	
## 68	-802.6230	-473.1682	-1249.8962	-313.8953	-833.1685	
##	HG3238-HT4861_s_at	X83857_s_at	D86331_s_at	U19713_s_at	Z35085_s_at	
## 39	-515.7207	-595.1120	-633.73476	1125.74809	-133.78414	
## 40	-591.2985	-632.7565	30.57069	-36.22267	111.18336	
## 42	-11832.8702	-1795.4053	-1585.54725	526.42824	1135.90954	
## 47	-1678.5055	-1371.3494	-530.48223	255.92459	151.36080	
## 48	-1508.6984	-1373.6904	-912.05013	3898.15446	675.38271	
## 49	-703.8515	-483.4345	-900.26281	548.81584	252.01660	
## 41	-782.1399	-795.6817	-258.52434	551.72566	-127.62044	
## 43	-2175.3199	-1653.1920	-1270.01750	702.69967	151.09679	
## 44	-2669.5930	-1980.9938	-1442.38648	1586.99566	-221.99772	
## 45	-5491.5661	-3062.4402	-2103.33889	-613.14638	65.84359	
## 46	-879.7677	-938.2567	-843.77450	1857.96514	-362.36544	
## 70	-975.7960	-760.1212	-818.53311	156.49705	-405.15626	
## 72	-1047.4033	-992.0806	-777.70527	2490.94253	1587.33891	
## 68	-3189.5343	-1062.2596	-922.62313	886.10585	517.37823	
##	U65533_s_at	X51755_cds5_s_at	U52191_s_at	L33930_s_at	Y08682_rna1_s_at	
## 39	-736.7289	-1850.3528	-449.20363	6020.114406	-163.8241	

## 40	-1199.3484	-1079.5810	-294.18324	32.873906	-266.5446	
## 42	-1612.3376	-1192.6216	-726.02234	5319.674935	-185.7495	
## 47	-1471.5563	-517.4118	133.93350	-9.841708	164.4313	
## 48	-2103.1691	-1563.1371	-742.20135	11508.686391	536.0196	
## 49	-2159.4772	-2059.0893	88.34055	9583.733907	-243.3763	
## 41	-1131.9693	-1062.0035	-459.39412	1025.688062	-384.9143	
## 43	-1187.9087	-1168.9605	-339.45081	6020.825169	140.5700	
## 44	-1378.7535	-1478.7482	-896.96133	5023.174045	-360.6266	
## 45	-1500.5392	-1522.9481	-142.55927	1923.542234	155.4792	
## 46	-693.0530	-1048.4858	-636.81359	2085.172224	-243.1380	
## 70	-1137.5522	-1090.3733	-472.55466	4115.029635	-427.6224	
## 72	-1529.1716	-1538.3920	-445.76925	7977.107390	-745.4337	
## 68	-1985.1696	-1417.8963	-178.62243	-300.804360	-580.0773	
##	D88155_s_at	D89377_at	D89377_s_at	Z74792_s_at	X17059_s_at	D90070_s_at
## 39	-60.82998	-595.11196	-200.3012	-717.417479	-562.9263	767.41439
## 40	-93.80316	177.97672	-434.6796	-91.499938	-395.5249	-515.29229
## 42	-938.11291	-348.72440	-571.9776	-210.307400	-469.2811	557.68369
## 47	-284.32165	88.18684	-772.2860	-123.119145	-447.7026	-81.72931
## 48	-936.00316	-485.25063	-1062.3010	540.374707	-478.7180	168.01392
## 49	-470.34038	-184.45287	-507.4403	-1269.079510	-383.0465	-594.73418
## 41	-849.84885	-800.19565	-615.1246	7.797389	-533.8739	-603.83980
## 43	-1036.32315	-278.39553	-320.5026	-86.808268	-208.9188	-324.71333
## 44	-576.52406	-690.15430	-399.2609	189.343737	-617.4310	-701.51733
## 45	-619.86905	-234.43580	-326.3123	-1079.251707	-606.4237	-283.73540
## 46	-762.78980	-1205.95608	-432.1023	-216.143058	-501.8391	386.74306
## 70	-382.69013	-438.85546	-373.7037	-508.500474	-387.1834	430.58387
## 72	-401.97213	-1169.57419	-800.7564	-487.261250	-401.9721	1156.28310
## 68	-937.89587	-1110.25967	-1005.5323	209.741574	-632.4410	-569.16825
##	J03260_s_at	HG1728-HT1734_at	HG1728-HT1734_s_at	D90279_s_at	M64710_s_at	
## 39	136.57542	-1146.5596	4616.819548	16.41561	-1927.5984	
## 40	-289.57680	-1116.4325	1649.733875	-651.18223	-2726.3829	
## 42	-315.23641	-792.9983	4370.848737	-364.35212	-1811.0330	
## 47	-480.37875	-739.6098	1423.553548	-702.57680	-1480.2700	
## 48	-341.53243	-1277.8783	2367.337880	-994.79697	-1852.7511	
## 49	348.03988	-1354.1911	7436.304105	-747.49849	-3231.0098	
## 41	-134.39133	-876.9324	610.406723	-1014.60721	-926.5856	
## 43	-396.29538	-682.6236	2888.057657	-320.50262	-1830.0418	
## 44	-381.08006	-2096.8966	62.077871	-1967.35817	-1512.8372	
## 45	-79.81432	-3270.8431	7.580429	-2943.67302	-2623.2256	
## 46	-441.10056	-1032.7388	1358.559481	-663.80849	-848.2736	
## 70	331.73289	-762.3678	2724.376021	-1009.49523	-701.7092	
## 72	-270.58079	-1229.5071	2511.688532	-625.56793	-948.2835	
## 68	-841.89578	-1142.9870	1427.197264	-1324.07805	-1609.8965	
##	HG2271-HT2367_at	HG2271-HT2367_s_at	X55448_cds1_s_at	HG110-HT110_s_at		
## 39	-1307.4879	-1571.4104	1788.7727	2814.422		
## 40	-996.6651	-2553.6414	1115.3870	2319.971		
## 42	-1467.2230	-1096.6227	1097.9565	4397.639		
## 47	-375.8150	-889.9203	1203.5339	4079.038		
## 48	-1434.6618	-1234.3273	2199.6666	5106.694		
## 49	-2013.2600	-1810.3017	1727.2834	4003.472		
## 41	-1107.1427	-1077.8022	894.7842	5262.009		
## 43	-1076.3249	-985.7946	1669.0574	2873.320		
## 44	-903.7791	-994.6833	407.5138	4405.026		
## 45	-1130.7922	-507.8245	1047.3539	3613.174		

## 46	-931.5079	-841.5249	2483.3470	3151.471
## 70	-818.5331	-724.1753	774.3157	2382.891
## 72	-1335.5422	-1572.9687	900.4157	2633.859
## 68	-1769.1694	-1291.3507	2799.5622	5810.474
##	HG1140-HT4817_s_at	HG1227-HT1227_s_at	M19828_s_at	HG1322-HT5143_s_at
## 39	48.60127	-871.9087	-1974.804	4709.085
## 40	39.78356	-1104.9164	-1899.527	4784.415
## 42	-40.63495	-1051.9721	-1569.920	4437.825
## 47	-447.70257	-608.9051	-1508.589	5841.374
## 48	-898.98484	-1216.9069	-1981.226	16821.905
## 49	-103.70602	-1162.1445	-2905.840	6390.960
## 41	-267.55219	-1181.6225	-1131.969	3413.556
## 43	306.89303	-682.6236	-1107.905	3824.940
## 44	184.79853	-808.3297	-1371.936	6661.722
## 45	401.97724	-575.0512	-1359.363	5936.978
## 46	-236.38923	-792.0343	-1185.710	4550.706
## 70	-355.73077	-659.0236	-1274.596	2926.571
## 72	-312.07279	-966.7244	-1971.753	4258.963
## 68	-316.07710	-1391.7145	-1598.987	6990.839
##	HG1327-HT1327_s_at	M25079_s_at	HG1428-HT1428_s_at	HG1437-HT1437_s_at
## 39	-788.2259	19181.9044	21580.81	89.36978
## 40	-418.5571	22814.0163	35647.55	-1922.55930
## 42	-547.4198	-726.0223	37945.90	-1183.69145
## 47	-452.0594	93518.1096	83081.34	-852.88725
## 48	-922.9379	16723.9150	29945.99	-1469.50254
## 49	-703.8515	17263.4143	29534.75	-2541.38802
## 41	-703.1462	23649.4932	19544.08	-1100.37184
## 43	-356.2936	4109.1633	76621.78	-617.35760
## 44	-558.3432	63004.1391	34517.04	-1458.29471
## 45	-671.4095	58272.9873	47574.97	-1614.82466
## 46	-580.5742	88471.1039	59786.77	-1030.48923
## 70	-483.7877	88926.9272	61080.16	-692.72276
## 72	-835.3331	62488.3791	52938.30	-1065.84418
## 68	-1086.2596	42373.4176	41243.23	-1437.53270
##	HG1471-HT3923_s_at	HG1496-HT1496_s_at	X57351_at	X57351_s_at
## 39	-335.48096	-996.3599	1492.665	8247.362
## 40	293.13769	-969.0265	2727.641	66510.693
## 42	73.22419	-663.5114	2104.829	26164.828
## 47	-297.39212	-990.1272	6834.730	32873.291
## 48	346.57289	-1297.4762	8481.894	42482.136
## 49	241.10486	-1063.9389	7427.575	48054.153
## 41	95.81898	-800.1957	5575.727	18011.598
## 43	349.00012	-617.3576	6835.597	39866.504
## 44	-110.64009	-860.5997	2452.858	10922.856
## 45	-97.74145	-619.8691	6748.181	24446.738
## 46	92.04872	-636.8136	5252.574	20081.773
## 70	10.46719	-557.9260	4061.111	20299.632
## 72	-192.20701	-890.6557	3240.104	21508.111
## 68	-148.07694	-824.4412	7924.658	29727.587
##	HG1595-HT4788_s_at	M76125_s_at	HG167-HT167_s_at	HG1747-HT1764_s_at
## 39	675.14882	-758.1860	-1545.6618	74.3498
## 40	-50.04199	-911.4460	-2546.7317	-100.7128
## 42	1370.32542	-806.3935	-844.3466	-167.8893
## 47	1661.00048	-857.2441	-1667.6134	-375.8150

## 48	4222.60918	-1240.8599	-1101.4968	-522.2690	
## 49	27.23482	-361.2230	-4636.4415	400.4162	
## 41	3618.93947	-806.9665	-802.4526	-441.3384	
## 43	1395.36131	-686.8343	-1541.6082	-284.7116	
## 44	2875.56255	-531.0720	-433.3500	-340.1732	
## 45	1591.89037	-895.4986	-1054.6019	-662.4460	
## 46	1036.87025	-578.3246	-1059.7337	-380.3620	
## 70	298.03369	-521.9802	-939.8502	-151.2890	
## 72	3330.00304	-1072.7595	-1397.7802	-236.0041	
## 68	4475.20013	-1105.8960	-1793.1694	-894.2595	
##	HG1751-HT1768_at	HG1751-HT1768_s_at	U19247_rna1_s_at	HG1761-HT1778_s_at	
## 39	1767.3156	-1271.0109	-258.23537	-485.6807	
## 40	728.4461	-1558.6507	-172.11261	-174.4158	
## 42	-129.9362	-1319.8759	-194.67967	-571.9776	
## 47	-720.0041	-918.2396	-608.90508	-822.3895	
## 48	-966.4888	-1486.9229	-36.67564	-1036.1704	
## 49	284.7518	-1223.2502	-252.10564	-1362.9204	
## 41	2819.9743	-1138.7402	-229.18381	-461.6511	
## 43	2012.2302	-672.0968	18.45946	-421.5596	
## 44	1907.4329	-1140.1300	-387.89787	-524.2542	
## 45	1314.0199	-958.2436	-445.07955	-877.5715	
## 46	4901.6402	-753.7915	-643.56232	-567.0768	
## 70	1789.7849	-953.3299	-488.28095	-463.5682	
## 72	923.4669	-1176.4895	393.29126	-653.2293	
## 68	-597.5319	-1430.9872	-52.07685	-1092.8051	
##	HG1763-HT1780_s_at	J03915_s_at	U47025_s_at	M14199_s_at	U43901_rna1_s_at
## 39	166.6154	316.8151	400.49784	30427.57	41786.97
## 40	290.8345	1410.1991	1000.22602	32565.85	39143.84
## 42	-871.1369	414.8016	305.40755	32641.40	29368.51
## 47	-661.1870	179.6802	713.39116	32226.30	24336.09
## 48	-1162.4682	-1073.1887	398.83406	34795.39	36404.60
## 49	832.5210	760.5035	1236.25526	30383.69	39486.26
## 41	-434.5675	-342.0320	1301.03765	36640.58	30560.32
## 43	-1057.3767	-592.0934	1106.92774	31470.35	32255.65
## 44	-283.3581	-701.5173	1341.55435	39153.15	41853.01
## 45	-566.0877	-310.6261	782.92872	48350.32	45636.60
## 46	-344.3688	474.4765	1088.61047	33421.75	39218.91
## 70	302.5269	-526.4734	864.18023	38542.13	42276.00
## 72	-146.1048	444.0037	98.23702	35161.28	34790.16
## 68	-988.0777	-1566.2601	855.56036	34104.32	33528.32
##	HG1783-HT1803_s_at	HG1827-HT1856_s_at	U24183_s_at	M29874_s_at	
## 39	-178.8441	-324.7524	-788.2259	-226.0497	
## 40	-409.3442	-651.1822	-2122.9394	-522.2020	
## 42	-670.2090	-540.7222	-962.6708	-683.6042	
## 47	-173.2226	-504.3413	-680.7927	-447.7026	
## 48	-763.9768	-892.4522	-761.7993	-973.0215	
## 49	-566.3637	-513.9873	-1491.6789	-367.7701	
## 41	-615.1246	-585.7841	-159.2179	-527.1030	
## 43	-406.8222	-585.7773	-385.7686	-848.9466	
## 44	-374.2622	-735.6064	-126.5483	-387.8979	
## 45	-512.3063	-570.5694	390.7728	-873.0897	
## 46	-443.3501	-659.3093	-391.6099	-461.3467	
## 70	-443.3487	-470.3080	-108.6033	-380.4435	
## 72	-604.8219	-703.9417	-750.0439	-678.5855	

## 68	-844.0776	-881.1685	-996.8050	-990.2596
##	HG1877-HT1917_s_at	Z26248_s_at	HG2007-HT2056_s_at	HG2090-HT2152_s_at
## 39	286.77517	-1597.1589	-633.7348	-123.05559
## 40	62.81576	-1171.7098	-708.7627	-77.68062
## 42	-163.42422	606.7994	-739.4175	-444.72328
## 47	-234.21817	-748.3235	-539.1959	-201.54199
## 48	-718.24831	-1597.9779	-1003.5072	-535.33424
## 49	435.33378	-2231.4947	-732.2221	-51.32968
## 41	-610.61069	-1019.1211	-694.1184	-529.36000
## 43	-274.18482	2664.8901	-611.0415	-436.29712
## 44	-271.99503	-1142.4026	-556.0706	-360.62661
## 45	-350.96213	-899.9804	-662.4460	-460.76579
## 46	-427.60311	-783.0360	-639.0632	-409.60651
## 70	-355.73077	-823.0263	-724.1753	-495.02079
## 72	-132.27411	-1185.7100	-819.1973	-325.90346
## 68	-776.44117	-1269.5325	-992.4414	-523.35002
##	HG210-HT210_s_at	HG2175-HT2245_s_at	HG2197-HT2267_s_at	HG2238-HT2321_s_at
## 39	-320.460983	254.5895	-9.332918	1953.9925
## 40	-169.809395	-149.0804	219.434672	2435.1317
## 42	-290.678560	2910.7727	-263.888173	2502.2193
## 47	-425.918447	-693.8632	-181.936275	737.3537
## 48	-517.913854	-615.9035	-705.183023	1659.6346
## 49	-258.652683	-302.2996	-110.253062	4939.6987
## 41	-204.357208	-750.5424	-136.648294	3059.2124
## 43	-133.126067	454.2678	-82.597559	1881.6982
## 44	-431.077361	212.0698	-458.348618	2382.4073
## 45	7.580429	350.4368	-185.136197	1869.7609
## 46	-317.373935	-454.5980	-69.920679	1189.8414
## 70	-274.852694	-126.5762	-297.318827	1888.6359
## 72	-478.040805	-574.8555	-153.020114	1771.7478
## 68	-619.350114	-704.4411	-340.077124	1966.1069
##	HG4069-HT4339_s_at	HG2259-HT2348_s_at	HG2260-HT2349_s_at	HG2261-HT2351_s_at
## 39	421.954951	-856.8887	-758.1860	-532.8864
## 40	546.491816	-853.8655	-846.9559	-655.7887
## 42	361.220851	990.7949	-1159.1336	-763.9754
## 47	-131.832794	-1438.8801	-761.3939	-554.4448
## 48	-154.263258	-1513.0535	-1005.6847	-818.4155
## 49	727.768324	-1886.6838	-812.9689	-732.2221
## 41	-290.121833	-913.0438	-770.8551	-658.0069
## 43	220.573491	2083.8122	-617.3576	-421.5596
## 44	-187.908652	-660.6104	-874.2353	-551.5254
## 45	-156.004614	-2654.5981	-931.3529	-691.5776
## 46	-252.136259	-886.5164	-708.8000	-501.8391
## 70	-184.988163	-310.7985	-679.2431	-400.6630
## 72	6.032565	1126.3166	-869.9097	-625.5679
## 68	-285.531618	1619.1974	-1108.0778	-902.9867
##	M86757_s_at	HG2358-HT4858_s_at	L14778_s_at	HG2367-HT2463_s_at
## 39	-1974.804	-1715.173	722.35446	-610.13194
## 40	-2765.538	-1086.491	1465.47633	-678.82087
## 42	-2322.283	-1634.663	124.57244	33.03861
## 47	-1092.513	-1663.257	301.67124	-726.53934
## 48	-2514.726	-3620.920	1422.28184	-916.40523
## 49	-3427.421	-2709.429	1087.85564	-856.61586
## 41	-1190.650	-1362.180	120.64558	-642.20819

## 43	-1198.435	-1472.132	266.89129	-406.82215	
## 44	-1344.664	-1015.137	334.79044	-1074.22451	
## 45	-1789.614	-1283.173	390.77279	-1009.78409	
## 46	-1118.223	-1325.184	472.22691	-450.09886	
## 70	-1052.181	-1400.406	408.11774	-495.02079	
## 72	-1923.346	-1978.668	-81.56166	-819.19728	
## 68	-2486.988	-2792.443	-281.16798	-1064.44144	
##	HG2379-HT3996_s_at	HG2379-HT3997_s_at	HG2380-HT2476_s_at	HG2383-HT4824_s_at	
## 39	-1472.7077	-695.9604	-20.06147	-577.9463	
## 40	-1770.5468	-565.9631	-114.53213	-453.1054	
## 42	-683.6042	-449.1883	-475.97873	-636.7211	
## 47	-1068.5501	-674.2574	-412.84797	-648.1165	
## 48	-1552.2494	-707.3606	-1513.05351	-968.6664	
## 49	-1744.8312	-640.5635	-1696.81959	-594.7342	
## 41	-1156.7959	-608.3537	-1001.06543	-669.2918	
## 43	-1076.3249	-295.2384	-107.86181	-600.5148	
## 44	-681.0639	-431.0774	-583.34188	-478.8021	
## 45	-781.2132	-400.2617	-259.08560	-501.1018	
## 46	-780.7864	-468.0955	-522.08527	-564.8272	
## 70	-1299.3083	-510.7471	-724.17535	-614.0913	
## 72	-1416.2211	-678.5855	-888.35061	-872.2148	
## 68	-1243.3507	-857.1685	-606.25919	-902.9867	
##	HG2414-HT2510_s_at	HG243-HT243_s_at	HG2441-HT2537_s_at	X52611_s_at	
## 39	-2509.086	301.79515	-211.02973	213.8210	
## 40	-2740.202	1149.93528	-287.27358	-1302.9933	
## 42	-3094.739	-121.00611	-813.09110	-1047.5070	
## 47	-1828.816	484.65787	-626.33237	-630.6892	
## 48	-2678.042	-269.67333	-761.79928	-1319.2517	
## 49	-3588.915	540.08645	-374.31709	-1129.4093	
## 41	-1820.343	215.43806	-486.47768	-274.3231	
## 43	-1425.814	64.77726	-432.08641	-1032.1124	
## 44	-1706.009	937.03070	-194.72647	-776.5133	
## 45	-1993.535	1038.39029	-153.76372	-373.3710	
## 46	-1851.584	445.23201	-267.88328	-733.5453	
## 70	-2058.664	349.70579	-81.64395	-969.0562	
## 72	-2174.603	-79.25655	-473.43058	-2206.8743	
## 68	-2541.534	-462.25906	-643.35014	-1961.1696	
##	U10099_s_at	HG2479-HT2575_at	HG2479-HT2575_s_at	L08835_rna2_s_at	M87313_s_at
## 39	42.16414	-1271.0109	-625.1519	1348.9020	-1406.1906
## 40	-1337.54159	-764.0400	-252.7253	1119.9934	-2590.4929
## 42	-926.95025	-991.6937	-518.3968	526.4282	-728.2549
## 47	-757.03711	-739.6098	-443.3457	421.4839	-1214.5037
## 48	-1064.47852	-1343.2047	-912.0501	762.4847	-1397.6434
## 49	-697.30450	-1253.8031	-756.2279	2661.3281	-1773.2017
## 41	-662.52086	-782.1399	-795.6817	332.8002	-906.2729
## 43	-208.91883	-859.4734	-360.5044	104.7790	-1270.0175
## 44	-596.97751	-701.5173	-262.9046	1068.8418	-771.9681
## 45	-801.38122	-637.7962	-445.0796	744.8336	-803.6221
## 46	-578.32464	-780.7864	-380.3620	618.4493	-796.5334
## 70	-472.55466	-805.0534	-760.1212	1259.5842	-465.8148
## 72	167.39036	-1130.3873	-561.0248	1052.5531	-1003.6062
## 68	-628.07739	-944.4413	-820.0776	-259.3498	-756.8048
##	S52028_s_at	L26584_s_at	X06182_s_at	HG2562-HT2658_s_at	X13451_s_at
## 39	-522.1578	-552.1977	-526.4492	-365.5209	-674.5033

## 40	-397.8281	-641.9694	-360.9766	-635.0597	-1519.4959
## 42	-763.9754	-926.9502	-645.6512	-699.2320	-1400.2471
## 47	-452.0594	-306.1058	-550.0879	-447.7026	-889.9203
## 48	-920.7603	-840.1910	-1110.2070	-818.4155	-1293.1211
## 49	-527.0814	-647.1105	-522.7167	-564.1813	-974.4626
## 41	-662.5209	-547.4157	-617.3816	-509.0473	-1062.0035
## 43	-472.0881	-621.5683	-651.0433	-457.3507	-1194.2247
## 44	-549.2528	-471.9842	-610.6131	-590.1597	-1512.8372
## 45	-373.3710	-803.6221	-577.2921	-559.3650	-1110.6242
## 46	-470.3450	-753.7915	-461.3467	-382.6116	-1172.2125
## 70	-452.3351	-551.1861	-477.0479	-450.0885	-728.6686
## 72	-630.1781	-577.1606	-745.4337	-620.9577	-835.3331
## 68	-850.6231	-1079.7142	-870.2594	-929.1686	-1291.3507
##	HG2564-HT2660_s_at	X16666_s_at	X52009_s_at	HG2591-HT2687_s_at	
## 39	-680.9404	-1120.811	-479.2436	-1161.57961	
## 40	-492.2601	-1788.973	-699.5498	-3228.48466	
## 42	-761.7429	-3012.135	-525.0944	-96.44826	
## 47	-576.2289	-1658.900	-726.5393	-1014.08975	
## 48	-1079.7214	-2127.122	-1175.5335	-1630.64113	
## 49	-762.7749	-1836.490	-638.3811	-2176.93601	
## 41	-603.8398	-1549.508	-653.4930	-1206.44914	
## 43	-686.8343	-2514.282	-611.0415	-2194.26813	
## 44	-869.6901	-1842.365	-876.5079	-22.00851	
## 45	-913.4258	-2484.290	-978.4116	-1292.13635	
## 46	-528.8340	-1136.219	-432.1023	-843.77450	
## 70	-569.1590	-1467.804	-508.5005	-1236.40317	
## 72	-888.3506	-1418.526	-874.5199	-1360.89843	
## 68	-983.7141	-2155.352	-1025.1687	-1121.16877	
##	U22376_cds2_s_at	M29037_s_at	X55019_s_at	HG2639-HT2735_s_at	
## 39	3741.370	-371.9580	763.12297	22.85274	
## 40	2852.014	-508.3826	629.40771	546.49182	
## 42	3971.225	-545.1872	-232.63272	479.54506	
## 47	5475.400	-508.6981	-476.02193	-417.20480	
## 48	14217.557	-742.2013	198.49960	-511.38121	
## 49	5315.062	-498.7109	1007.10879	46.87595	
## 41	8913.777	-398.4561	253.80644	84.53416	
## 43	7477.730	-436.2971	-331.02939	-57.33330	
## 44	7788.934	-381.0801	348.42607	250.70407	
## 45	6026.614	-411.4662	45.67558	-133.59570	
## 46	5706.988	-470.3450	460.97903	114.54448	
## 70	4344.184	-319.7850	367.67870	39.67316	
## 72	2364.161	-514.9226	121.28813	132.81369	
## 68	17347.939	-817.8958	-285.53162	-132.80420	
##	HG2649-HT2745_s_at	U48705_rna1_s_at	M90391_s_at	HG2705-HT2801_s_at	
## 39	-386.9780	-573.65486	-798.95449	836.0771	
## 40	-344.8541	-1659.99230	-846.95588	118.0930	
## 42	-661.2789	-638.95359	-627.79093	1140.3746	
## 47	-425.9184	-127.47597	-534.83906	654.5740	
## 48	-1284.4109	-975.19903	-951.24600	1354.7778	
## 49	-865.3452	-2037.26578	-773.68666	832.5210	
## 41	-827.2792	-509.04732	-590.29802	772.9081	
## 43	-522.6167	605.85337	-253.13127	1121.6652	
## 44	-515.1637	-342.44578	71.16829	1071.1144	
## 45	-716.2274	-48.44185	-111.18679	1063.0401	

## 46	-555.8289	188.78045	-58.67280	825.4102	
## 70	-748.8881	-77.15073	-279.34592	1504.4650	
## 72	-763.8746	-883.74039	-607.12704	812.8215	
## 68	-1814.9876	-390.25899	-366.25897	277.3780	
##	HG273-HT273_at	HG273-HT273_s_at	HG2730-HT2827_s_at	HG2730-HT2828_s_at	
## 39	-82.28708	565.71757	136.57542	-434.1837	
## 40	-909.14280	698.50429	-377.09913	-547.5374	
## 42	-1136.80828	202.71106	-266.12071	-761.7429	
## 47	-931.31009	-27.26901	-434.63210	-397.5991	
## 48	-2371.00761	357.46063	-986.08678	-1081.8989	
## 49	-1074.85059	505.16889	-725.67502	-863.1629	
## 41	-1206.44914	-217.89899	-197.58632	-554.1866	
## 43	-1482.65831	119.51647	-585.77729	-269.9741	
## 44	-931.05041	-108.36749	-133.36614	-799.2393	
## 45	-1180.09180	68.08449	-384.57550	-828.2719	
## 46	-879.76770	-74.41983	92.04872	-580.5742	
## 70	-1115.08606	-95.12363	82.35882	-548.9395	
## 72	-1100.42085	-30.84922	-593.29637	-899.8762	
## 68	-1629.53288	-198.25881	-1003.35047	-998.9868	
##	M58569_s_at	X16609_s_at	HG274-HT274_s_at	HG2743-HT2846_s_at	
## 39	-794.6631	-670.2118	-500.700689	-633.7348	
## 40	-810.1044	-833.1366	491.214552	-492.2601	
## 42	-846.5791	515.2656	-9.379499	-703.6970	
## 47	-785.3565	-889.9203	-831.103124	-689.5063	
## 48	-1110.2070	-1036.1704	-400.326236	-1140.6927	
## 49	-967.9156	-740.9514	51.240642	-690.7575	
## 41	-592.5550	-946.8983	91.305050	-551.9296	
## 43	-516.3006	-661.5700	-537.354133	-566.8291	
## 44	-658.3378	-792.4215	-40.189343	-756.0598	
## 45	-682.6140	-852.9217	137.552107	-398.0208	
## 46	-704.3008	-623.3161	-285.879885	-679.5555	
## 70	-638.8040	-773.6008	-133.316058	-735.4084	
## 72	-899.8762	-789.2308	-1086.590184	-807.6717	
## 68	-1088.4415	-900.8049	-1007.714115	-974.9868	
##	HG2743-HT3926_s_at	M83216_s_at	HG2797-HT2906_s_at	HG2797-HT2905_at	
## 39	-779.6431	-758.1860	-335.48096	-1725.9016	
## 40	-688.0337	-598.2082	-1461.91544	-1418.1543	
## 42	-797.4634	-833.1839	-1322.10845	-1965.0777	
## 47	-798.4269	-669.9006	-811.49741	-1081.6205	
## 48	-1029.6377	-1162.4682	-973.02149	-1972.5162	
## 49	-682.0281	-987.5567	-472.52272	-2323.1533	
## 41	-653.4930	-696.3753	-77.96724	-1389.2632	
## 43	-667.8861	-585.7773	-552.09161	-1137.3802	
## 44	-890.1435	-569.7063	-737.87900	-1126.4944	
## 45	-545.9196	-570.5694	-563.84678	-1287.6546	
## 46	-672.8068	-789.7847	-87.91728	-989.9969	
## 70	-593.8718	-685.9829	-854.47892	-1184.7311	
## 72	-814.5871	-1001.3011	-639.39859	-1812.7002	
## 68	-983.7141	-1088.4415	120.28694	-1799.7149	
##	HG2797-HT2905_s_at	M91556_s_at	M13452_s_at	HG2809-HT2920_s_at	X04654_s_at
## 39	-959.8828	-320.4610	291.06659	-133.78414	7092.970
## 40	-1042.7295	-512.9891	1078.53548	270.10550	4943.338
## 42	-1094.3902	-609.9307	-143.33143	986.32988	4044.899
## 47	-739.6098	-635.0460	92.54367	495.54993	5832.660

## 48	-1212.5518	-983.9092	-530.97914	111.39766	8085.580
## 49	-871.8923	-450.6993	3185.09145	1258.07873	8139.020
## 41	-858.8767	-671.5487	-235.95470	163.52789	6780.946
## 43	-646.8326	-642.6219	68.98797	35.30229	4766.034
## 44	-996.9559	-542.4350	14.35317	309.79179	6320.831
## 45	-969.4480	-501.1018	-30.51472	298.89626	5305.047
## 46	-747.0428	-578.3246	379.99433	753.42379	5581.012
## 70	-724.1753	-465.8148	298.03369	322.74644	3944.287
## 72	-1022.0471	-736.2133	231.93347	374.85037	10798.564
## 68	-1156.0779	-811.3503	-462.25906	432.28724	9953.751
##	HG2815-HT2931_at	HG2815-HT2931_s_at	HG2815-HT4023_s_at	M58509_cds1_s_at	
## 39	16482.600	3668.4154	16375.31	-674.5033	
## 40	9549.776	836.6975	20999.08	-243.5124	
## 42	10769.286	2959.8884	17299.44	-2668.3254	
## 47	20765.676	4523.4342	21593.47	-959.6294	
## 48	25495.080	6354.4291	37952.84	-2758.6112	
## 49	15375.684	2039.3591	20608.95	-2901.4753	
## 41	14113.821	3239.7695	13969.38	-926.5856	
## 43	18747.693	7696.6874	17968.71	-2518.4927	
## 44	18520.174	7123.0608	17863.39	-1553.7441	
## 45	8843.414	4041.1842	13412.59	-2307.2600	
## 46	8593.193	3599.1362	10988.99	-738.0445	
## 70	14155.144	3791.5173	17033.06	-1445.3382	
## 72	21694.825	5176.3972	27865.61	-1741.2418	
## 68	13795.936	4911.5642	24731.22	-2644.0793	
##	HG2841-HT2969_s_at	U22961_s_at	HG2841-HT2968_s_at	J00139_s_at	
## 39	-717.4175	-174.5526	-335.48096	-625.1519	
## 40	-552.1438	-264.2414	-259.63495	-390.9185	
## 42	-659.0464	-596.5355	-225.93513	-507.2342	
## 47	-685.1495	-325.7115	-238.57499	-558.8016	
## 48	-1110.2070	-824.9482	-570.17502	-661.6321	
## 49	-751.8632	-439.7875	33.78186	-483.4345	
## 41	-633.1803	-466.1650	-441.33841	-389.4282	
## 43	-592.0934	-783.6806	-331.02939	-396.2954	
## 44	-756.0598	-571.9789	-308.35670	-735.6064	
## 45	-942.5574	-740.8772	-507.82450	-458.5249	
## 46	-537.8323	-450.0989	-396.10906	-380.3620	
## 70	-632.0642	-519.7335	-362.47061	-297.3188	
## 72	-862.9944	-593.2964	-466.51525	-860.6893	
## 68	-1040.4414	-1022.9869	-608.44101	-708.8047	
##	HG2850-HT4814_s_at	HG2868-HT3012_s_at	M89914_s_at	HG2981-HT3127_s_at	
## 39	-541.46919	1969.0124	-1069.3140	-434.1837	
## 40	-506.07942	815.9685	-1427.3671	-607.4211	
## 42	-717.09222	1421.6737	-1226.1096	-453.6534	
## 47	-347.49561	933.4108	-922.5964	-576.2289	
## 48	-1280.05582	971.5293	-1530.4739	-875.0318	
## 49	-230.28217	1345.3726	-2006.7129	-692.9398	
## 41	-969.46794	294.4318	-1075.5452	-490.9916	
## 43	35.30229	955.3422	-1122.6427	-396.2954	
## 44	-569.70625	698.4072	-1044.6806	-606.0679	
## 45	-1097.17883	567.8032	-776.7314	-696.0593	
## 46	-688.55382	1095.3592	-796.5334	-702.0513	
## 70	-692.72276	210.4158	-670.2566	-602.8582	
## 72	-826.11261	1213.9109	-1543.0022	-567.9401	

## 68	-558.25915	883.9240	-1042.6232	-859.3503
##	HG2981-HT3938_s_at	HG2981-HT3125_s_at	HG2987-HT3136_s_at	HG2994-HT4850_s_at
## 39	-1286.0308	-912.6772	-50.10142	1067.81390
## 40	-2507.5770	-377.0991	-149.08042	1295.03810
## 42	-1264.0626	-232.6327	-250.49298	-670.20904
## 47	-1192.7196	-508.6981	-661.18697	-59.94519
## 48	-1713.3880	-973.0215	-868.49916	-391.61604
## 49	-1816.8487	-581.6401	319.66937	3652.11378
## 41	-919.8147	371.1686	-615.12462	28.11006
## 43	-762.6271	-596.3041	-375.24184	79.51474
## 44	-1015.1368	-728.7886	-683.33649	125.71080
## 45	-980.6525	352.6776	-550.40143	-288.21718
## 46	-756.0411	-427.6031	-506.33824	26.81105
## 70	-670.2566	-557.9260	-443.34869	248.60820
## 72	-1155.7435	-429.6335	-708.55193	-422.71813
## 68	-1496.4418	1300.6517	-857.16852	-1108.07785
##	X52896_s_at	U77846_rna1_at	U77846_rna1_s_at	HG2999-HT4756_s_at
## 39	-485.6807	-391.26944	514.22052	-196.0098
## 40	-257.3317	-268.84783	1258.18659	-506.0794
## 42	-1476.1532	-335.32920	-254.95804	-1036.3443
## 47	-388.8854	-90.44296	-334.42513	-617.6187
## 48	-289.2713	-591.95050	-744.37890	-829.3033
## 49	-369.9524	153.81097	472.43368	-708.2162
## 41	-608.3537	-292.37880	-35.08492	-411.9979
## 43	-606.8308	-512.08988	-278.39553	-421.5596
## 44	127.9834	-178.81823	-185.63605	-328.8101
## 45	-364.4075	-131.35481	186.85171	-572.8103
## 46	-434.3518	-675.05637	263.01643	-434.3518
## 70	165.4835	-209.70091	347.45918	-274.8527
## 72	-567.9401	-796.14616	-620.95770	-521.8379
## 68	-1546.6237	-638.98650	-671.71380	-992.4414
##	HG3044-HT3742_s_at	X02761_s_at	HG3075-HT3236_s_at	HG3076-HT3238_s_at
## 39	-929.8428	-1095.0626	-221.7583	5953.597
## 40	-941.3879	-1028.9102	-344.8541	3736.451
## 42	-1069.8323	-1286.3879	-368.8172	4888.796
## 47	-765.7508	-940.0237	-371.4581	3863.375
## 48	-1330.1394	-1375.8680	-441.6997	6145.384
## 49	-1565.8788	-1823.3957	-175.7235	5779.902
## 41	-856.6197	-1100.3718	-296.8927	3108.866
## 43	-682.6236	-768.9431	-158.3903	2963.850
## 44	-853.7818	-1149.2205	-278.8128	3839.147
## 45	-893.2578	-1433.3125	-496.6200	3084.324
## 46	-850.5232	-796.5334	-333.1210	1963.695
## 70	-800.5602	-676.9965	-452.3351	2497.468
## 72	-982.8602	-1381.6444	-401.9721	9634.482
## 68	-1212.8052	-1518.2600	-446.9863	7839.567
##	HG3085-HT3254_s_at	X75755_rna1_s_at	HG3105-HT3281_s_at	HG3107-HT3283_s_at
## 39	-648.7547	1.395636	-71.55853	286.77517
## 40	-418.5571	465.879140	-533.71805	-1070.36815
## 42	-683.6042	1089.026359	-371.04972	57.59647
## 47	-508.6981	210.177929	-702.57680	168.78810
## 48	-872.8543	1071.696535	-1103.67439	-197.81423
## 49	-448.5169	282.569462	-380.86413	575.00401
## 41	-574.4993	52.936665	-621.89551	-509.04732

## 43	-472.0881	382.685788	-537.35413	-446.82389
## 44	-687.8817	434.785050	-674.24607	-210.63470
## 45	-566.0877	478.167539	-568.32856	88.25250
## 46	-634.5640	393.491782	-722.29745	-384.86119
## 70	-607.3515	223.895452	-438.85546	-382.69013
## 72	-482.6510	1250.792659	-715.46727	-588.68615
## 68	-911.7140	473.741822	-977.16863	-549.53187
##	HG3125-HT3301_s_at	HG3148-HT3324_s_at	HG3187-HT3366_s_at	M31520_rna1_at
## 39	-339.77238	301.79515	-1110.082554	-309.732429
## 40	-172.11261	-522.20195	-3.977603	-130.654667
## 42	-433.56062	345.59313	-1239.504758	-7.146967
## 47	-608.90508	242.85411	-661.186969	-497.806051
## 48	-757.44419	93.97727	-1182.066140	-829.303286
## 49	83.97585	-132.07654	-1954.336581	-505.257934
## 41	-222.41292	-980.75276	-694.118353	-55.397597
## 43	226.88955	54.25048	-787.891320	-137.336776
## 44	-228.81554	-342.44578	-674.246069	-612.885741
## 45	-281.49451	-420.42975	-501.101828	-521.269847
## 46	-461.34674	-362.36544	-828.027473	-396.109062
## 70	-95.12363	-989.27571	-663.516790	-5.259102
## 72	-528.75325	665.29439	-1377.034206	-620.957704
## 68	-878.98672	26.46867	-1175.714273	410.469036
##	M31520_rna1_s_at	HG3242-HT4231_s_at	HG3242-HT3419_s_at	U05572_s_at
## 39	10060.488	-215.3212	-479.2436	-1333.2365
## 40	13230.321	-195.1448	-503.7762	-2311.8034
## 42	13734.089	-435.7932	-703.6970	-922.4852
## 47	12354.826	-458.5946	-600.1914	-944.3806
## 48	19149.704	-973.0215	-1116.7397	-1264.8130
## 49	12263.656	-450.6993	-928.6333	-2203.1242
## 41	13154.612	-1084.5731	-493.2486	384.7103
## 43	12629.533	-592.0934	-571.0398	-697.3611
## 44	11229.658	-846.9640	-681.0639	-592.4323
## 45	12903.908	-1578.9704	-534.7152	-389.0573
## 46	7682.115	-672.8068	-724.5470	-351.1176
## 70	13411.515	-1184.7311	-508.5005	-685.9829
## 72	21390.550	-650.9242	-574.8555	-611.7373
## 68	13235.208	-643.3501	-985.8959	-1195.3507
##	HG3319-HT3496_s_at	HG3327-HT3504_s_at	HG3342-HT3519_s_at	M97016_s_at
## 39	612.92321	-2502.649	-56.53856	-1743.0672
## 40	792.93628	-3461.110	3098.45883	-2003.1720
## 42	515.26558	-2692.883	-170.12182	-1587.7798
## 47	508.62041	-2066.263	375.73726	-1279.8560
## 48	181.07921	-3183.233	-123.77758	-1556.6045
## 49	732.13302	-4143.231	1009.29113	-2011.0776
## 41	66.47845	-2145.346	-233.69774	-1057.4895
## 43	890.07623	-2392.171	39.51300	-914.2126
## 44	218.88760	-2546.872	-396.98829	-1371.9357
## 45	81.52983	-1955.440	-131.35481	-1334.7133
## 46	128.04193	-2105.786	121.29320	-945.0054
## 70	302.52692	-2213.680	554.14760	-1420.6255
## 72	467.05482	-2446.606	47.52457	-1517.6460
## 68	54.83234	-2794.625	-357.53169	-1616.4420
##	HG3395-HT3573_s_at	X68505_s_at	HG3412-HT3593_s_at	HG3417-HT3600_s_at
## 39	364.020760	-444.9122	-170.2612	-496.40927

## 40	-425.466741	-282.6671	-699.5498	-519.89873	
## 42	-558.582427	-554.1174	-464.8161	-241.56285	
## 47	-59.945190	-621.9755	-458.5946	-748.32346	
## 48	-587.595405	-770.5095	-1016.5725	-713.89322	
## 49	-389.593524	-618.7400	-311.0290	57.78768	
## 41	-339.775036	-364.6016	-615.1246	-621.89551	
## 43	3.721976	-472.0881	-349.9776	-415.24357	
## 44	-174.273024	-558.3432	-556.0706	-451.53080	
## 45	-229.954017	-754.3225	-413.7071	-422.67064	
## 46	-60.922379	-432.1023	-508.5878	-564.82719	
## 70	-344.497705	-443.3487	-912.8909	-396.16981	
## 72	296.476587	-678.5855	-318.9881	-567.94014	
## 68	222.832496	-542.9864	-898.6231	-582.25917	
##	HG3426-HT3610_s_at	HG3431-HT3616_s_at	HG3432-HT3620_s_at	HG3437-HT3628_s_at	
## 39	-200.3012	-901.9486	-427.74652	-206.73831	
## 40	-225.0867	-803.1947	-77.68062	-1042.72952	
## 42	-395.6076	-676.9066	-563.04749	-328.63161	
## 47	-458.5946	-680.7927	-279.96483	22.83448	
## 48	-709.5381	-1062.3010	-742.20135	-422.10172	
## 49	-197.5470	-791.1454	-33.87090	-60.05907	
## 41	-416.5118	-696.3753	-795.68172	28.11006	
## 43	-440.5078	-611.0415	-581.56658	-697.36108	
## 44	-433.3500	-694.6995	-419.71434	152.98206	
## 45	-875.3306	-1000.8205	-763.28608	207.01973	
## 46	-535.5827	-627.8153	-751.54192	-366.86459	
## 70	-481.5411	-465.8148	-274.85269	-393.92320	
## 72	-381.2261	-823.8075	-473.43058	-411.19258	
## 68	-514.6227	-902.9867	-935.71405	-169.89515	
##	HG3484-HT3678_s_at	HG3523-HT4899_s_at	M13929_s_at	J03242_s_at	M17863_s_at
## 39	1855.28976	-569.3634	-625.1519150	37.87272	130.1383
## 40	60.51254	1962.9717	1995.2167742	604.07230	-165.2030
## 42	3888.62178	1135.9095	-324.1665433	209.40866	-777.3706
## 47	-18.55536	613.1842	306.0280672	-234.21817	-136.1896
## 48	901.84775	596.9910	205.0322409	-252.25294	-541.8669
## 49	123.25811	2296.8761	55.6053370	278.20477	116.7111
## 41	484.01675	894.7842	788.7068636	-134.39133	-635.4373
## 43	479.53210	115.3058	151.0967920	-238.39379	-208.9188
## 44	809.76483	-237.9060	0.7175423	-346.99098	-360.6266
## 45	1273.68384	1777.8843	2387.4066714	-241.15847	-720.7091
## 46	526.21671	647.6938	94.2982997	-157.65411	-398.3586
## 70	992.23719	769.8225	127.2910812	178.96319	-389.4300
## 72	2758.33544	577.7002	-265.9705665	-51.59522	-482.6510
## 68	971.19684	2793.0167	654.8329017	-372.80443	-1256.4416
##	HG36-HT4101_s_at	HG3638-HT3849_s_at	HG3638-HT3993_s_at	HG3703-HT3915_s_at	
## 39	-419.16368	-206.73831	-39.37287	-779.6431	
## 40	-469.22791	-63.86131	-503.77620	-665.0016	
## 42	-85.28559	-243.79538	-574.21015	-882.2996	
## 47	-343.13878	72.93796	-321.35466	-706.9336	
## 48	-374.19565	-637.67902	-659.45450	-994.7970	
## 49	-446.33456	-359.04066	-494.34620	-906.8098	
## 41	-423.28270	-452.62323	-757.31334	-757.3133	
## 43	-592.09335	-208.91883	-672.09682	-592.0934	
## 44	-278.81284	-451.53080	-460.62122	-840.1462	
## 45	-64.12808	-299.42164	-875.33063	-877.5715	

## 46	-281.38073	-454.59801	-612.06827	-681.8051
## 70	-317.53835	-304.05867	-679.24308	-652.2837
## 72	84.40635	-118.44344	-316.68301	-925.2324
## 68	-268.07706	-809.16847	-1808.44214	-1217.1689
##	J04093_s_at	HG371-HT1063_s_at	HG371-HT26388_at	HG371-HT26388_s_at
## 39	-489.9721	-835.4316	-5890.726	-474.952160
## 40	-448.4989	-1063.4585	-5713.658	-252.725291
## 42	-558.5824	-770.6730	-7586.594	-386.677446
## 47	-526.1254	-567.5152	-2900.595	142.647149
## 48	-916.4052	-1201.6641	-7220.408	-112.889837
## 49	-767.1396	-871.8923	-10325.821	297.845894
## 41	-585.7841	-863.3906	-4176.613	-105.050801
## 43	-537.3541	-571.0398	-5099.657	-147.863549
## 44	-633.3392	-735.6064	-3830.894	-112.912695
## 45	-545.9196	-841.7173	-4796.890	-294.939856
## 46	-578.3246	-121.6609	-4440.845	-9.182153
## 70	-477.0479	-728.6686	-4536.678	-209.700909
## 72	-669.3650	-902.1813	-6833.233	-79.256552
## 68	-992.4414	-1282.6235	-8068.084	-512.440922
##	HG3725-HT3981_s_at	HG3730-HT4000_s_at	S80267_s_at	U10687_s_at
## 39	254.58951	-170.26123	-444.9122	-408.43513
## 40	385.26646	-107.62247	-600.5114	-149.08042
## 42	55.36394	-786.30071	-605.4656	-493.83899
## 47	412.77027	-44.69630	-173.2226	-105.69185
## 48	-145.55306	-957.77865	-750.9115	-907.69503
## 49	-112.43541	692.85077	210.5520	27.23482
## 41	-202.10024	102.58987	-317.2054	-105.05080
## 43	555.32486	68.98797	125.8325	-234.18308
## 44	-35.64413	364.33430	-151.5470	-376.53485
## 45	173.40636	-398.02084	-317.3488	-465.24757
## 46	-191.39773	-105.91388	-414.1057	-578.32464
## 70	-202.96107	-241.15350	-400.6630	-299.56544
## 72	125.89835	-567.94014	-542.5839	-475.73569
## 68	-902.98674	-163.34969	-276.8043	-758.98661
##	HG3914-HT4184_s_at	HG3920-HT4521_s_at	HG3925-HT4195_at	HG3925-HT4195_s_at
## 39	-1773.107188	-97.30706	-569.3634	-401.99799
## 40	-1273.051454	249.37652	-377.0991	-985.14904
## 42	-1281.922870	638.05485	-694.7669	-1668.15095
## 47	-661.186969	-55.58837	-412.8480	-155.79533
## 48	-1765.649132	-75.87151	-872.8543	-2048.73043
## 49	-2257.682864	1650.90126	-703.8515	-2480.28229
## 41	-208.871136	156.75700	-466.1650	-77.96724
## 43	-446.823889	464.79461	-274.1848	-305.76514
## 44	-1401.479590	768.85795	-269.7224	-812.87496
## 45	-147.041050	-84.29610	-498.8609	-917.90755
## 46	6.564873	231.52238	-281.3807	-994.49603
## 70	-578.145486	610.31293	-348.9909	-128.82283
## 72	-1543.002219	-58.51055	-798.4513	-229.08879
## 68	-2157.533377	388.65083	-850.6231	-527.71366
##	HG3928-HT4198_at	HG3928-HT4198_s_at	HG3954-HT4224_s_at	X77588_s_at
## 39	-1494.1648	-1835.333	-170.2612	668.71169
## 40	-1017.3941	-2871.486	-591.2985	1122.29665
## 42	-5231.2724	-2266.470	-118.7736	1055.53838
## 47	-1778.7124	-1210.147	-693.8632	1290.67040

## 48	-2455.9320	-2455.932	-748.7340	1263.32080
## 49	-1144.6857	-2246.771	-690.7575	-16.41213
## 41	-1289.9568	-1387.006	-707.6601	1158.84893
## 43	-2164.7932	-1846.885	-259.4473	1163.77231
## 44	-471.9842	-1408.297	-1140.1300	707.49762
## 45	-2246.7559	-1558.802	-357.6848	2378.44311
## 46	-477.0938	-1907.823	49.3068	1702.74446
## 70	-1002.7554	-1822.769	-355.7308	947.30492
## 72	-2688.6425	-1750.462	-346.6495	-132.27411
## 68	-2892.8068	-2358.261	-1470.2600	3386.47183
##	HG4011-HT4804_s_at	HG4020-HT4290_s_at	M74509_s_at	HG4063-HT4333_s_at
## 39	638.67174	2451.7974	730.9373	-163.82409
## 40	134.21556	4574.8224	1914.6041	-33.91945
## 42	-1063.13471	1848.0873	1131.4445	-663.51144
## 47	1360.37959	896.3778	218.8916	-674.25744
## 48	808.21317	2781.0721	1343.8901	-846.72367
## 49	1537.41919	4516.3233	4162.7831	-208.45869
## 41	244.77859	772.9081	344.0850	-764.08423
## 43	702.69967	696.3836	814.2835	-516.30059
## 44	1005.20884	1487.0011	914.3047	-487.89248
## 45	110.66141	955.4773	1437.2689	-415.94797
## 46	481.22521	1540.7751	1261.8278	-391.60991
## 70	500.22888	1827.9773	1493.2319	-627.57098
## 72	750.58351	1601.1696	1352.2176	-533.36348
## 68	81.01418	1272.2880	277.3780	-988.07773
##	HG4094-HT4364_s_at	HG4099-HT4369_s_at	M13150_s_at	HG4116-HT4386_s_at
## 39	-444.91221	-1337.5279	-794.6631	-762.4774
## 40	12.14493	-1236.1999	-75.3774	-1022.0005
## 42	-580.90775	-1487.3158	-752.8127	-1286.3879
## 47	-384.52861	-1146.9729	-669.9006	-1146.9729
## 48	-742.20135	-1902.8347	-883.7420	-1449.9046
## 49	-321.94076	-2938.5752	-1397.8380	-1024.6566
## 41	-497.76250	-1377.9784	-360.0877	-802.4526
## 43	-314.18656	-1507.9226	-457.3507	-324.7133
## 44	-160.63740	-1112.8588	-587.8871	-1183.3095
## 45	-59.64630	-1496.0574	-873.0897	-1195.7780
## 46	-69.92068	-897.7643	-528.8340	-731.2957
## 70	-45.69814	-1142.0454	-627.5710	-870.2052
## 72	-745.43371	-1432.3569	-975.9448	-853.7739
## 68	-486.25908	-1904.4422	-988.0777	-1160.4415
##	HG4113-HT4383_s_at	HG4120-HT4392_s_at	HG4155-HT4425_s_at	HG417-HT417_s_at
## 39	421.954951	-127.34701	-758.1860	1.395636
## 40	-3.977603	-579.78244	-985.1490	-252.725291
## 42	-444.723284	-594.30294	-951.5081	2705.379693
## 47	-96.978198	-325.71148	-831.1031	1244.923744
## 48	-576.707663	-905.51748	-1223.4396	1298.161577
## 49	797.603439	-653.65755	-1002.8331	-302.299630
## 41	-59.911525	-96.02295	-689.6044	1102.424832
## 43	104.778993	-406.82215	-758.4164	1917.489227
## 44	75.713499	-485.61987	-587.8871	648.409897
## 45	-344.239458	-1056.84280	-389.0573	251.837548
## 46	-141.907081	-396.10906	-630.0649	602.702262
## 70	-281.592534	-331.01803	-742.1483	-326.524799
## 72	-79.256552	89.01657	-1047.4033	-321.293237

## 68	-47.713213	-350.98623	-994.6232	3739.926710
##	L13266_s_at	U09937_rna1_s_at	M20867_s_at	HG4264-HT4534_s_at
## 39	-108.03561	1426.14760	121.55544	-2.895785
## 40	-865.38163	560.31113	912.70369	505.033868
## 42	-38.40242	897.02859	204.94360	441.592012
## 47	-639.40285	-868.13613	691.60703	430.197565
## 48	-720.42586	-317.57939	189.78940	1570.355137
## 49	-241.19390	2532.56959	526.99237	-228.099820
## 41	-806.96654	576.55227	113.87469	204.153240
## 43	-905.79117	338.47334	50.03978	79.514739
## 44	-362.89922	1050.66094	-40.18934	37.079218
## 45	-191.85887	-14.82848	124.10676	341.473188
## 46	-198.14646	1365.30821	186.53088	1520.528885
## 70	-456.82837	363.18547	-104.11009	-173.755097
## 72	-390.44658	328.74815	190.44147	674.514838
## 68	-414.25901	-606.25919	1758.83394	1307.197151
##	HG4318-HT4588_s_at	HG4334-HT4604_s_at	HG4517-HT4920_s_at	HG4535-HT4940_s_at
## 39	-412.72655	-919.1143	-820.4116	2078.4437
## 40	-455.40859	-390.9185	-614.3307	2080.4359
## 42	-214.77246	-304.0738	-792.9983	5739.3910
## 47	-181.93628	-284.3217	-467.3083	1397.4126
## 48	-139.02042	189.7894	-796.6401	2112.5647
## 49	-134.25888	-498.7109	-887.1687	3776.5076
## 41	495.30157	-518.0752	-511.3043	815.7904
## 43	509.00706	378.4751	-571.0398	2012.2302
## 44	418.87682	-869.6901	-1042.4080	1139.2925
## 45	410.94081	-395.7800	-904.4622	924.1048
## 46	-58.67280	-135.1584	-499.5895	1293.3218
## 70	715.90376	-342.2511	-634.3108	1767.3188
## 72	-438.85391	-620.9577	-687.8059	1017.9764
## 68	41.74142	1239.5607	-776.4412	733.3784
##	U19251_s_at	HG4668-HT5083_s_at	M57464_s_at	HG4683-HT5108_s_at
## 39	-303.295296	301.79515	-489.9721	1323.15348
## 40	-280.363923	-314.91221	-294.1832	-340.24763
## 42	-368.817188	-701.46449	-614.3957	-199.14474
## 47	-256.002292	-201.54199	-264.7159	42.44019
## 48	-348.065073	-707.36057	-537.5118	-770.50948
## 49	-9.865084	-782.41605	-230.2822	-1227.61491
## 41	-452.623226	-427.79662	-441.3384	-574.49927
## 43	-32.069050	-1371.07452	-238.3938	-259.44734
## 44	-349.263590	-556.07062	-583.3419	125.71080
## 45	-272.530946	36.71201	-451.8022	287.69180
## 46	-411.856088	-209.39433	-391.6099	539.71416
## 70	-362.470612	62.13930	-362.4706	724.89021
## 72	-496.481695	-450.37947	-344.3444	-106.91789
## 68	-763.350249	-429.53175	-745.8957	-21.53137
##	HG4755-HT5203_s_at	HG4757-HT5207_s_at	M79463_s_at	M82827_s_at
## 39	-434.18365	-595.11196	-537.17777	-625.1519
## 40	-50.04199	1274.30912	343.80852	-607.4211
## 42	-699.23196	-781.83565	517.49811	-911.3225
## 47	-571.87207	-35.98266	68.58113	-798.4269
## 48	-304.51410	-267.49578	-237.01010	-1243.0375
## 49	-116.80010	-492.16385	-1053.02712	-644.9282
## 41	-615.12462	-504.53339	75.50630	-664.7778

## 43	-284.71159	-491.03633	-15.22621	-661.5700	
## 44	-1978.72120	-1003.77376	257.52188	-1744.6429	
## 45	-1950.95831	-1325.74972	135.31122	-1789.6142	
## 46	-414.10566	-555.82889	179.78215	-672.8068	
## 70	-380.44352	-438.85546	208.16916	-645.5439	
## 72	-482.65103	-763.87460	98.23702	-939.0631	
## 68	-994.62319	-721.89566	-119.71328	-913.8958	
##	HG627-HT5097_s_at	HG627-HT5098_s_at	X54867_s_at	X57110_s_at	L07261_s_at
## 39	1720.1100	12.124190	-464.2236	147.3040	-200.3012
## 40	2801.3435	-245.815633	-506.0794	-75.3774	-595.9050
## 42	6648.0316	4156.525643	-728.2549	-634.4885	-426.8630
## 47	2710.9952	-5.484884	-554.4448	-188.4715	-635.0460
## 48	1500.6736	-352.420169	-883.7420	-979.5541	-740.0238
## 49	4047.1187	400.416220	-553.2696	-234.6469	-343.7642
## 41	165.7849	-452.623226	-718.9450	-608.3537	-448.1093
## 43	7595.6303	2681.732915	-737.3628	1010.0814	-389.9793
## 44	-967.4121	-762.877655	-583.3419	-292.4485	-665.1557
## 45	-460.7658	-126.873031	-572.8103	-570.5694	-559.3650
## 46	1205.5884	-614.317843	-659.3093	-294.8782	-418.6048
## 70	1122.5408	-463.568209	-641.0507	-382.6901	-396.1698
## 72	308.0021	-275.191012	-934.4528	-595.6015	-473.4306
## 68	936.2877	-765.532069	-933.5322	-649.8956	-289.8953
##	HG651-HT5209_s_at	Z68280_cds2_s_at	X07618_s_at	HG721-HT4828_s_at	
## 39	-382.6866	2533.3344	198.8010	228.84098	
## 40	-526.8084	1629.0049	-1107.2197	509.64031	
## 42	-1007.3214	1993.2019	-645.6512	-47.33255	
## 47	-539.1959	-173.2226	-147.0817	408.41344	
## 48	-824.9482	440.2075	-554.9322	-561.46482	
## 49	-1912.8720	605.5569	-660.2046	502.98655	
## 41	-416.5118	1163.3629	-583.5271	-197.58632	
## 43	-269.9741	1759.5876	155.3075	-295.23836	
## 44	-1440.1139	855.2169	-328.8101	23.44359	
## 45	-852.9217	1266.9612	-868.6080	-445.07955	
## 46	-877.5181	1027.8719	-663.8085	-81.16855	
## 70	-1079.1402	1434.8200	-432.1156	113.81140	
## 72	-367.3955	1264.6233	-242.9195	317.22259	
## 68	61.3778	1758.8339	-381.5317	262.10526	
##	HG721-HT4827_s_at	HG759-HT759_s_at	HG855-HT855_s_at	HG862-HT862_s_at	
## 39	-232.4868	-867.6172	-610.1319	-1281.7394	
## 40	-340.2476	-632.7565	-370.1895	-1404.3350	
## 42	-78.5880	-1342.2012	-786.3007	-1831.1258	
## 47	-164.5090	-761.3939	-539.1959	-726.5393	
## 48	-679.0524	-1393.2883	-857.6114	-1480.3903	
## 49	356.7693	-850.0688	-295.7526	-644.9282	
## 41	-314.9484	-834.0501	-727.9728	-479.7068	
## 43	119.5165	-874.2109	-552.0916	-1516.3440	
## 44	-356.0814	-1756.0059	-1112.8588	-1453.7495	
## 45	-568.3286	-1460.2032	-1206.9825	-2123.5069	
## 46	-450.0989	-819.0292	-589.5725	-891.0156	
## 70	-254.6332	-351.2375	-411.8961	-400.6630	
## 72	-300.5472	-1178.7946	-750.0439	-826.1126	
## 68	-523.3500	-1110.2597	-924.8049	-1332.8053	
##	HG880-HT880_at	HG880-HT880_s_at	HG884-HT884_s_at	L08096_s_at	
## 39	100.0983	-1476.9991	-215.32115	411.22640	

## 40	3156.0393	-612.0275	-296.48646	-605.11785	
## 42	595.6367	-1668.1509	-505.00165	-837.64896	
## 47	-595.8346	-1088.1558	-397.59909	-621.97555	
## 48	-1658.9493	-1778.7144	-106.35719	-1040.52549	
## 49	-363.4054	-1932.5131	-197.54696	627.38035	
## 41	-1614.9596	-940.1274	-102.79384	-504.53339	
## 43	302.6823	-1152.1177	-187.86528	-1032.11244	
## 44	-549.2528	-1394.6618	-215.17991	-69.73321	
## 45	-2098.8571	-1525.1890	-447.32044	-911.18488	
## 46	-589.5725	-1037.2380	-310.62521	-294.87818	
## 70	426.0906	-843.2459	-274.85269	830.48103	
## 72	-1446.1875	-1353.9831	-95.39233	-411.19258	
## 68	-2137.8970	-1474.6236	-213.53155	-1459.35090	
##	HG944-HT944_s_at	S76942_s_at	HG945-HT945_s_at	X54457_s_at	X77777_s_at
## 39	-2524.106	1544.1617	-522.1578	-974.9028	-1318.2165
## 40	-2187.430	2683.8794	-347.1573	-1279.9611	-1478.0380
## 42	-4411.933	-263.8882	-411.2353	-1433.7351	-1087.6926
## 47	-1576.120	970.4438	-227.6829	-990.1272	-1417.0960
## 48	-3858.273	-295.8039	-665.9872	-1473.8576	-2122.7671
## 49	-3813.697	2224.8586	-483.4345	-1242.8913	-1216.7032
## 41	-3499.524	-215.6420	-511.3043	-901.7590	-1113.9136
## 43	-3714.334	1405.8881	-263.6580	-642.6219	-768.9431
## 44	-2271.887	-687.8817	-524.2542	-1044.6806	-1196.9452
## 45	-2412.582	1132.5077	-541.4379	-1025.4703	-828.2719
## 46	-2371.236	406.9892	-594.0717	-832.5266	-922.5096
## 70	-2278.832	1037.1695	-407.4029	-1110.5928	-798.3136
## 72	-3022.884	252.6795	-634.7884	-1045.0982	-1630.5964
## 68	-2580.807	-405.5317	-850.6231	-1435.3509	-994.6232
##	HG982-HT982_s_at	HG998-HT998_s_at	M10277_s_at	M97935_s_at	X01038_rna1_s_at
## 39	649.4003	151.59539	44945.45	-108.03561	-1530.6419
## 40	265.4991	-245.81563	41407.91	168.76385	-881.5042
## 42	-223.7026	-268.35324	41151.82	196.01347	-505.0017
## 47	-425.9184	179.68016	39652.51	2737.13613	-617.6187
## 48	-589.7730	1352.60029	31481.16	-8.36751	-892.4522
## 49	928.5443	77.42881	43988.44	219.28139	-596.9165
## 41	-405.2270	116.13165	43736.47	-127.62044	-193.0724
## 43	-107.8618	68.98797	37447.45	-72.07079	-1051.0606
## 44	-590.1597	-419.71434	43480.19	446.14807	-778.7859
## 45	-586.2557	41.19379	32442.24	1007.01782	103.9387
## 46	-288.1295	577.95694	29111.57	-90.16685	-978.7490
## 70	-274.8527	125.04447	41678.40	-25.47862	-1173.4980
## 72	-127.6639	-383.53124	39119.16	-238.30923	-611.7373
## 68	-724.0775	-597.53191	36294.87	475.92364	-1474.6236
##	J00105_s_at	J00116_s_at	V00535_rna2_s_at	J00219_s_at	L00022_s_at
## 39	38227.23	-674.5033	-309.7324	-648.7547	-1436.2306
## 40	54054.88	-1286.8708	-439.2861	-713.3692	-1203.9549
## 42	51611.23	-757.2778	-498.3041	-766.2079	-1398.0145
## 47	42345.03	-857.2441	-685.1495	-652.4733	-617.6187
## 48	43407.59	-1160.2907	-1079.7214	-1049.2357	-1460.7923
## 49	35383.44	-1404.3850	-223.7351	-869.7099	-2373.3473
## 41	21191.66	-628.6664	-642.2082	-752.7994	-980.7528
## 43	31070.33	-726.8360	-632.0951	-676.3075	-575.2505
## 44	49991.20	-440.1678	-667.4283	-724.2434	-981.0477
## 45	40991.24	-891.0169	-684.8549	-588.4966	-1059.0837

## 46	38789.24	-798.7830	-627.8153	-715.5487	-938.2567	
## 70	24676.03	-616.3379	-575.8989	-477.0479	-632.0642	
## 72	45603.44	-851.4688	-752.3490	-773.0950	-1630.5964	
## 68	40680.33	-1062.2596	-1014.2596	-1025.1687	-1485.5327	
##	S71043_rna1_s_at	M87789_s_at	J00268_s_at	V00594_at	V00594_s_at	V00574_s_at
## 39	-886.9286	-1202.3481	623.6518	-5648.261	722.3545	-1037.1284
## 40	1177.5739	-506.0794	-1747.5146	-3571.664	8946.3327	-162.8997
## 42	912.6563	5699.2054	-429.0956	-3789.057	5775.1115	-1223.8770
## 47	15367.5703	64739.1054	393.1646	-1388.777	7357.5485	-338.7820
## 48	-676.8749	-1094.9642	930.1559	-4169.663	2069.0137	-962.1337
## 49	1738.1952	-1070.4859	2488.9226	-10024.657	4143.1419	-1332.3676
## 41	278.6330	-116.3356	204.1532	-3921.577	3639.2521	-141.1622
## 43	1117.4545	8065.1244	2088.0229	-2983.776	2984.9040	-606.8308
## 44	1214.2885	3046.0079	596.1400	-3133.204	1907.4329	-187.9087
## 45	-460.7658	2822.1395	-660.2051	-5527.420	1403.6555	-411.4662
## 46	276.5139	1682.4983	1716.2419	-3147.339	328.2541	-508.5878
## 70	-184.9882	1059.6356	2180.6956	-3563.895	2133.5167	-564.6658
## 72	4600.1194	5162.5665	494.7162	-2953.730	5489.8923	-337.4290
## 68	4968.2915	3017.7442	-1424.4418	-5718.264	2284.6526	-813.5321
##	M29386_s_at	V00599_s_at	J02621_s_at	J02683_s_at	J02758_s_at	X05130_s_at
## 39	42.16414	31856.618	3737.078	4741.271	-599.40339	763.1230
## 40	-303.39612	5873.838	779.117	1986.004	-840.04622	1527.6633
## 42	-580.90775	27010.958	11744.903	12048.527	-719.32475	2977.7486
## 47	-489.09240	15936.136	3917.836	5279.343	-743.96663	650.2172
## 48	-713.89322	32025.548	13751.561	21666.950	-1060.12342	1043.3884
## 49	-337.21719	14424.180	4374.471	4817.487	-62.24142	468.0690
## 41	-533.87392	24265.644	3469.980	5237.183	-592.55498	1007.6324
## 43	-183.65458	18621.372	4679.714	4574.447	-465.77208	1207.9848
## 44	-576.52406	43321.109	4691.374	4248.216	-708.33514	1502.9093
## 45	-359.92570	17071.965	6241.739	9305.037	-644.51885	1246.7932
## 46	-463.59631	16608.429	5457.285	7506.648	-483.84249	1394.5527
## 70	-495.02079	11272.740	3196.165	4804.740	-366.96384	614.8062
## 72	-680.89060	21326.007	5342.365	5538.300	-478.04080	1737.1711
## 68	-1057.89598	19534.123	5727.565	23574.854	-549.53187	1826.4704
##	M27436_s_at	J02871_s_at	M13232_s_at	M22403_s_at	J02947_s_at	J02960_cds1_s_at
## 39	-464.2236	-695.9604	-35.081447	-511.4292	353.2922	-163.8241
## 40	-669.6080	-911.4460	-6.280823	-595.9050	240.1636	-86.8935
## 42	-565.2800	-605.4656	-308.538818	-755.0453	-884.5321	-621.0933
## 47	-504.3413	-669.9006	-508.698112	-550.0879	-765.7508	-334.4251
## 48	-1031.8153	-1053.5908	-334.999782	-996.9745	-968.6664	-890.2746
## 49	-668.9340	-1242.8913	-470.340376	-738.7691	334.9458	-981.0097
## 41	-560.9575	-757.3133	-479.706792	-355.5738	-1127.4554	-515.8182
## 43	-707.8878	-381.5579	-411.032863	-939.4768	-1608.9796	-646.8326
## 44	-558.3432	-426.5322	-471.984246	-744.6968	-494.7103	-474.2569
## 45	-534.7152	-563.8468	-218.749562	-622.1099	-288.2172	-601.9419
## 46	-580.5742	-639.0632	-353.367136	-573.8255	-294.8782	-616.5674
## 70	-546.6929	-679.2431	-272.606081	-470.3080	-717.4355	-521.9802
## 72	-171.4610	-865.2995	-491.871473	-828.4177	-828.4177	-660.1446
## 68	-841.8958	-1053.5323	-900.804924	-1090.6233	-695.7138	-1125.5324
##	M29610_at	M29610_s_at	U05255_at	U05255_s_at	M17446_s_at	Y00339_s_at
## 39	-247.506816	-283.98390	-938.4257	-1519.9133	-1670.1131	-670.2118
## 40	-308.002555	125.00268	-1010.4845	-2777.0537	-793.9818	-692.6402
## 42	-4.914434	3768.06503	-513.9318	10700.0776	-531.7920	3989.0857
## 47	-417.204798	72.93796	-584.9425	2578.1120	-1260.2503	388.8077

## 48	-631.146375	596.99097	-1129.8050	668.8501	-1101.4968	-443.8772
## 49	-110.253062	-385.22883	-836.9747	-4867.7703	-596.9165	-887.1687
## 41	-529.359995	-470.67894	-470.6789	-1682.6685	-1233.5327	-714.4310
## 43	151.096792	1578.52715	-661.5700	10884.1941	-676.3075	3839.6779
## 44	-301.538890	-440.16778	-771.9681	-1610.5592	-1335.5741	-787.8763
## 45	-413.707079	-447.32044	-873.0897	-2235.5515	-1827.7093	-740.8772
## 46	-346.618411	-567.07677	-645.8119	-929.2584	-1104.7252	-603.0700
## 70	-366.963838	-510.74709	-357.9774	-849.9857	-1117.3327	-647.7905
## 72	-466.515248	-454.98969	-1109.6413	-1572.9687	-1462.3233	-558.7197
## 68	-560.440967	-1044.80506	-1057.8960	-1348.0781	-1603.3510	-1097.1687
##	U50327_s_at	J03077_s_at	J03241_s_at	U07804_s_at	U07806_s_at	J03263_s_at
## 39	-206.73831	2005.4895	59.32983	-871.9087	59.32983	535.67762
## 40	-31.61624	4360.6230	-172.11261	-752.5239	1460.86989	371.44715
## 42	-283.98096	5964.8767	-87.51813	-549.6523	1678.41487	542.05596
## 47	-35.98266	3617.2147	-480.37875	-680.7927	2416.90953	-86.08614
## 48	-757.44419	6352.2516	-313.22430	-1094.9642	2417.42149	-332.82223
## 49	11.95839	1777.4774	107.98167	-915.5392	1022.38522	182.18148
## 41	28.11006	350.8559	-172.75971	-565.4714	1752.43041	-1601.41780
## 43	-718.41462	3738.6209	-451.03460	-284.7116	2721.73465	35.30229
## 44	455.23849	2582.3965	-467.43904	-1074.2245	1021.11708	418.87682
## 45	924.10485	4343.7045	-364.40748	-774.4905	-59.64630	-158.24551
## 46	-265.63371	5250.3243	-267.88328	-560.3280	438.48328	946.88725
## 70	-65.91766	2304.2593	-483.78773	-510.7471	769.82248	107.07156
## 72	-229.08879	4337.3367	-95.39233	-971.3346	752.88862	335.66348
## 68	-974.98681	576.2874	-484.07726	-658.6229	4215.56352	513.01459
##	Z74616_s_at	X51441_at	X51441_s_at	L25878_s_at	Y00285_s_at	M26004_s_at
## 39	-996.3599	-689.5232	-1582.139	-629.4433	928.34270	-610.1319
## 40	-614.3307	-370.1895	-1687.631	-1047.3360	562.61435	-363.2798
## 42	-509.4667	-650.1162	-6135.448	-634.4885	240.66411	-578.6752
## 47	-539.1959	-513.0549	-2166.470	-608.9051	-142.72485	-452.0594
## 48	-1169.0008	-1031.8153	-2614.893	-1118.9172	-99.82455	-842.3686
## 49	-843.5218	-352.4936	-2513.018	-760.5926	928.54428	-551.0872
## 41	-739.2576	-642.2082	-1425.375	-542.9018	447.90533	-454.8802
## 43	-526.8274	-432.0864	-7093.428	-636.3058	464.79461	-575.2505
## 44	-458.3486	-590.1597	-1171.947	-517.4363	112.07518	-515.1637
## 45	-823.7901	-552.6423	-1531.912	-310.6261	265.28289	-624.3508
## 46	-769.5385	-414.1057	-1347.679	-717.7983	-164.40283	-508.5878
## 70	-616.3379	-443.3487	-1737.398	-730.9152	201.42932	-609.5981
## 72	-745.4337	-706.2468	-1533.782	-899.8762	1052.55309	-586.3810
## 68	-961.8959	-885.5322	-2120.442	-861.5322	1056.28782	-863.7140
##	S62696_s_at	M17183_s_at	M24351_cds3_s_at	M31551_s_at	J03626_rna1_s_at	
## 39	-897.6572	-655.1919	-532.8864	-1135.8311	-562.9263	
## 40	-948.2975	-489.9569	-337.9444	-1028.9102	-536.0213	
## 42	-1069.8323	-529.5595	-594.3029	-1063.1347	-627.7909	
## 47	-789.7133	-757.0371	-467.3083	-1251.5367	-334.4251	
## 48	-1216.9069	-1014.3949	-936.0032	-1700.3227	-306.6917	
## 49	-1135.9563	-673.2987	-505.2579	-1415.2968	-441.9699	
## 41	-1028.1490	-635.4373	-712.1741	-694.1184	-317.2054	
## 43	-743.6789	-611.0415	-522.6167	-827.8931	-547.8809	
## 44	-1056.0437	-794.6941	-683.3365	-3503.6390	-1067.4067	
## 45	-920.1484	-628.8326	-711.7456	-4947.0296	-1829.9502	
## 46	-906.7626	-344.3688	-630.0649	-819.0292	-578.3246	
## 70	-748.8881	-625.3244	-551.1861	-762.3678	-562.4192	
## 72	-973.6397	-851.4688	-454.9897	-1358.5933	-697.0264	

## 68	-1230.2598	-902.9867	-983.7141	-1289.1689	-390.2590	
##	X57579_s_at	U01691_s_at	X04729_s_at	J03778_s_at	M21119_s_at	M24349_s_at
## 39	27.14417	509.92909	250.29809	-584.3834	-700.2518	-522.1578
## 40	111.18336	191.79604	-676.51765	-688.0337	-448.4989	-220.4802
## 42	-368.81719	1314.51211	-89.75066	-699.2320	1428.3713	-596.5355
## 47	-521.76859	-380.17179	-393.24226	-798.4269	-44.6963	-554.4448
## 48	-217.41216	2691.79260	-498.31592	-1166.8233	-807.5278	-888.0971
## 49	402.59857	884.89733	-420.14639	-880.6217	-417.9640	-697.3045
## 41	-222.41292	165.78485	-303.66362	-633.1803	-299.1497	-574.4993
## 43	-46.80653	-248.92057	-309.97585	-667.8861	8079.8619	-522.6167
## 44	-792.42152	-40.18934	-335.62796	-696.9721	-578.7967	-501.5281
## 45	-1296.61813	65.84359	-254.60382	-666.9278	-539.1970	-595.2193
## 46	-414.10566	526.21671	-121.66091	-780.7864	-398.3586	-366.8646
## 70	-331.01803	-119.83638	-234.41366	-641.0507	-450.0885	-389.4300
## 72	-427.32836	748.27840	-597.90659	-1111.9464	-519.5328	-694.7213
## 68	-121.89510	76.65054	-569.16825	-1188.8052	137.7415	-861.5322
##	M26958_s_at	J03805_s_at	M96233_s_at	U72648_s_at	J05253_s_at	J03934_s_at
## 39	-633.7348	63.62125	939.0713	-1105.7911	177.34392	-1318.2165
## 40	-98.4096	498.12421	2038.9779	-1268.4450	111.18336	-858.4720
## 42	-694.7669	245.12918	622.4271	-2963.0196	-375.51478	-694.7669
## 47	-205.8988	682.89339	306.0281	-2290.6393	521.69088	-674.2574
## 48	-763.9768	2998.82694	244.2281	-3200.6536	-611.54844	-931.6481
## 49	-566.3637	105.79933	2914.4804	-3117.5277	101.43463	-1105.4035
## 41	-484.2207	276.37608	-944.6413	-1362.1796	-202.10024	-574.4993
## 43	-415.2436	620.59085	-827.8931	-1208.9622	43.72371	-693.1504
## 44	-785.6037	34.80661	468.8741	-2055.9898	-94.73186	-301.5389
## 45	-597.4601	-82.05521	-59.6463	-1296.6181	59.12092	-281.4945
## 46	-315.1244	179.78215	467.7278	-929.2584	186.53088	-470.3450
## 70	-602.8582	-133.31606	347.4592	-1867.7015	-36.71169	-472.5547
## 72	-604.8219	-346.64946	711.3966	-2365.9269	-256.75012	-630.1781
## 68	-671.7138	1239.56072	-562.6228	-3564.8074	-628.07739	-1042.6232
##	J04029_s_at	J04046_s_at	M69203_s_at	J04130_s_at	J04152_rna1_s_at	
## 39	177.34392	2668.5141	-299.00387	891.86561	-603.6948	
## 40	-303.39612	954.1616	-584.38887	523.45962	-780.1625	
## 42	204.94360	3276.9079	-199.14474	209.40866	-670.2090	
## 47	-397.59909	1414.8399	-367.10132	147.00397	-595.8346	
## 48	1261.14325	1979.7343	-661.63205	392.30141	-1020.9276	
## 49	-55.69438	1205.7024	-40.41795	1391.20192	-767.1396	
## 41	285.40394	1756.9443	-642.20819	-436.82448	-610.6107	
## 43	205.83601	1679.5842	-642.62186	18.45946	-314.1866	
## 44	902.94163	1132.4747	-626.52137	-187.90865	-776.5133	
## 45	345.95497	2053.5139	-548.16054	-241.15847	-787.9359	
## 46	1198.83965	1637.5068	-501.83909	-344.36884	-733.5453	
## 70	68.87914	2749.0888	-335.51125	-427.62240	-533.2132	
## 72	1460.55779	2449.4505	-367.39546	854.31352	-833.0279	
## 68	96.28692	2605.3802	-754.62297	-43.34957	-902.9867	
##	M61827_rna1_s_at	X14684_s_at	J04430_s_at	U75272_s_at	M27968_s_at	X17567_s_at
## 39	1642.864	271.7552	-283.9839	213.821004	-655.1919	3990.272
## 40	2711.518	1440.1409	-766.3432	-331.034748	-612.0275	4791.325
## 42	2140.549	1218.5132	-922.4852	-554.117363	-650.1162	8344.756
## 47	3053.006	1547.7230	-375.8150	-18.555357	-852.8872	3854.662
## 48	2323.787	3090.2840	-554.9322	-393.793591	-1229.9722	8327.288
## 49	5026.993	1218.7965	-162.6294	46.875948	-754.0455	5921.755
## 41	10938.273	1021.1741	-703.1462	-423.282697	-628.6664	5839.792

## 43	1770.114	540.5874	-507.8792	-244.709856	-547.8809	2645.942
## 44	1552.907	725.6785	-633.3392	368.879512	-856.0544	6577.636
## 45	1367.801	1587.4086	-382.3346	65.843595	-530.2334	4650.707
## 46	1079.612	256.2677	-463.5963	-245.387534	-724.5470	2530.588
## 70	1275.310	767.5759	-607.3515	-115.343152	-647.7905	3915.081
## 72	1110.181	1414.4556	-302.8523	3.727454	-1026.6573	8650.200
## 68	6587.202	2245.3799	-844.0776	-846.259418	-1001.1687	8147.204
##	X52979_rna1_s_at	S40719_s_at	J04617_s_at	X03689_s_at	J04810_s_at	
## 39	2902.397	1881.0383	74890.99	48483.73	-846.1601	
## 40	2184.081	3524.5544	50358.22	48575.52	-301.0929	
## 42	3468.906	1986.5043	46605.89	58759.80	-609.9307	
## 47	1854.879	1926.7668	66926.23	37378.25	-508.6981	
## 48	5860.126	2197.4891	24249.52	43808.26	-1094.9642	
## 49	2141.929	4018.7481	47165.94	34728.74	-684.2104	
## 41	3896.546	1050.5147	56091.09	25626.59	-583.5271	
## 43	2174.342	1290.0936	69107.77	42746.63	-575.2505	
## 44	3825.511	777.9484	50820.71	44823.30	-696.9721	
## 45	4086.002	841.1919	39431.58	40605.80	-601.9419	
## 46	2528.339	1009.8753	53640.93	53481.21	-551.3297	
## 70	2418.837	931.5786	52855.30	43819.43	-625.3244	
## 72	5028.870	1882.3932	46580.81	50720.79	-816.8922	
## 68	5550.838	1390.1063	30657.04	48523.97	-902.9867	
##	J05016_rna1_s_at	J05036_s_at	J05200_rna1_s_at	J05252_s_at	J05582_s_at	
## 39	-123.05559	-453.4951	-1043.5655	-1052.1484	-919.114293	
## 40	-273.45426	-503.7762	-1104.9164	-485.3504	-780.162517	
## 42	3122.86322	314.3377	-1020.7166	-851.0441	-580.907750	
## 47	-164.50898	-375.8150	-1046.7659	-752.6803	-371.458141	
## 48	-60.62867	-670.3422	-1238.6824	-1186.4212	-1166.823300	
## 49	-352.49362	-354.6760	-1391.2910	-1194.8797	-797.692480	
## 41	-472.93590	-583.5271	-983.0097	-987.5236	-856.619746	
## 43	637.43368	-349.9776	-914.2126	-1097.3784	-848.946601	
## 44	-496.98290	-437.8952	-1269.6685	-765.1503	-453.803408	
## 45	-386.81639	-545.9196	-1206.9825	-1166.6465	-411.466188	
## 46	-324.12266	-506.3382	-877.5181	-774.0377	6.564873	
## 70	-286.08576	-434.3622	-703.9558	-589.3786	50.906230	
## 72	-302.85235	-503.3970	-982.8602	-911.4017	-484.956139	
## 68	-844.07760	-726.2593	-940.0777	-1470.2600	-1040.441419	
##	M32304_s_at	X53002_s_at	M34996_s_at	K01160_s_at	S77835_s_at	X00695_s_at
## 39	623.651766	-449.2036	7045.7642	-365.5209	-974.9028	-474.9522
## 40	2227.841926	-708.7627	12021.1305	-448.4989	-1056.5488	-395.5249
## 42	580.009010	-1002.8563	955.0744	-667.9765	-723.7898	-726.0223
## 47	632.789904	-247.2886	1203.5339	-844.1736	-1042.4091	-617.6187
## 48	1409.216549	-672.5198	10959.9442	-885.9195	-1186.4212	-1099.3193
## 49	406.963262	-391.7759	-559.8166	-441.9699	-893.7158	-411.4170
## 41	177.069674	-694.1184	1919.4457	-547.4157	-669.2918	-653.4930
## 43	909.024416	-1032.1124	-118.3886	-364.7151	-863.6841	-219.4456
## 44	-42.461948	-674.2461	9154.7695	-578.7967	-876.5079	-683.3365
## 45	451.276847	-507.8245	2996.9290	-525.7516	-1020.9885	-911.1849
## 46	368.746456	-519.8357	2865.7748	-31.6779	-672.8068	-526.5844
## 70	-14.245555	-272.6061	2396.3705	-405.1563	-663.5168	-450.0885
## 72	-7.798103	-348.9546	4590.8989	430.1730	-1035.8777	-782.3155
## 68	-176.440607	-717.5320	1793.7431	-601.8956	-1020.8050	-1038.2596
##	X02176_s_at	K02777_s_at	M13058_s_at	M69197_xpt2_s_at	K03494_s_at	
## 39	-573.6549	-1208.7853	110.8269	67.91267	-2622.809	

## 40	-522.2020	-137.5643	350.7182	-1194.74200	-2940.582	
## 42	-241.5629	-853.2767	-400.0726	75.45673	-3458.642	
## 47	-1105.5831	-881.2066	-388.8854	260.28141	-1774.356	
## 48	-1027.4602	-1314.8966	-766.1544	-835.83593	-2512.548	
## 49	-675.4810	-655.8399	295.6635	-199.72930	-4789.206	
## 41	-687.3475	508.8434	-278.8370	-484.22072	-1312.526	
## 43	-581.5666	1045.8725	-611.0415	2159.60500	-2099.527	
## 44	-624.2488	-158.3648	-119.7305	-487.89248	-2035.536	
## 45	-433.8751	-350.9621	-299.4216	-164.96818	-1650.679	
## 46	-463.5963	-389.3603	-191.3977	-337.62011	-1219.454	
## 70	-521.9802	1201.1722	-223.1806	-703.95583	-1452.078	
## 72	-789.2308	-404.2772	-318.9881	-542.58392	-2734.745	
## 68	-569.1682	-540.8046	-820.0776	-281.16798	-2017.897	
##	K03498_xpt1_s_at	M26901_s_at	M21642_at	M21642_s_at	X69920_s_at	L00634_s_at
## 39	136.57542	-459.9322	-599.4034	-507.1378	63.62125	-401.99799
## 40	286.22803	-331.0347	-764.0400	-453.1054	-340.24763	-496.86654
## 42	-13.84456	162.5255	-661.2789	-612.1632	-230.40019	-138.86637
## 47	-205.89881	-743.9666	-868.1361	-584.9425	-164.50898	-393.24226
## 48	-241.36520	-665.9872	-1005.6847	-888.0971	-485.25063	-145.55306
## 49	446.24551	358.9516	-426.6934	-647.1105	195.27557	-215.00574
## 41	156.75700	-671.5487	-610.6107	-628.6664	-423.28270	25.85310
## 43	-133.12607	-381.5579	-758.4164	-501.5631	-335.24010	-76.28150
## 44	-153.81958	-924.2326	-1237.8520	-751.5146	-487.89248	-437.89517
## 45	-261.32649	-498.8609	-1233.8732	-514.5472	-250.12204	283.21002
## 46	-360.11586	-652.5606	-738.0445	-519.8357	-513.08697	-119.41133
## 70	93.59188	-937.6036	-717.4355	-380.4435	-342.25109	-211.94752
## 72	19.86323	-395.0568	-844.5535	-833.0279	-284.41146	-482.65103
## 68	-110.98600	-1238.9871	-852.8049	-889.8958	-667.35016	48.28688
##	X66113_s_at	L03411_s_at	L03840_s_at	U09851_s_at	L04483_s_at	L05072_s_at
## 39	-71.55853	323.25225	-453.4951	-470.66074	39420.25	2891.66807
## 40	-63.86131	-411.64742	-874.5945	125.00268	52230.73	640.92381
## 42	-263.88817	-80.82053	-1415.8748	711.72841	41696.56	2906.30759
## 47	-35.98266	271.17347	-902.9907	-273.42959	55125.77	1024.90411
## 48	-210.87952	440.20748	-487.4282	-365.48546	39520.67	422.78709
## 49	-374.31709	-959.18618	-1655.3550	-479.06977	52314.10	2085.18838
## 41	725.51188	326.02928	-102.7938	-98.27991	47611.68	921.86773
## 43	119.51647	136.35931	-2211.1110	140.57002	57684.12	620.59085
## 44	155.25467	887.03340	-492.4377	243.88625	42687.05	75.71350
## 45	-26.03294	92.73429	-725.1909	202.53795	47350.88	390.77279
## 46	202.27790	-33.92748	-785.2855	11.06402	41943.14	-69.92068
## 70	-119.83638	-247.89333	-930.8638	-281.59253	47883.55	947.30492
## 72	116.67791	-436.54880	-798.4513	-399.66702	46168.19	955.73841
## 68	-78.25870	294.83256	-2174.9879	475.92364	38878.14	1243.92436
##	L12760_s_at	M26665_at	M26665_s_at	L05624_s_at	L05628_s_at	Z94753_s_at
## 39	-324.7524	-511.4292	-365.5209	-820.41160	-1824.6042	-391.2694
## 40	-572.8728	302.3506	-556.7502	-2097.60397	-1825.8241	-402.4345
## 42	-598.7680	-714.8597	-348.7244	-1101.08776	-413.4678	-299.6087
## 47	-458.5946	-580.5857	-563.1584	-589.29936	-110.0487	-406.3127
## 48	-759.6217	-1018.7500	-432.9895	-1131.98252	-1081.8989	-600.6607
## 49	-884.9864	-935.1804	705.9449	-25.14152	-957.0038	-354.6760
## 41	-590.2980	-522.5891	-497.7625	-522.58910	-743.7716	-689.6044
## 43	-371.0311	-596.3041	-571.0398	151.09679	-112.0725	-451.0346
## 44	-551.5254	-610.6131	-396.9883	-674.24607	-542.4350	-510.6185
## 45	-398.0208	-657.9642	-725.1909	-324.07144	-144.8002	-471.9702

## 46	-542.3314	-360.1159	-31.6779	-803.28215	-418.6048	-326.3722
## 70	-459.0750	-456.8284	-234.4137	-717.43551	-369.2105	-459.0750
## 72	-676.2804	-918.3171	-404.2772	-95.39233	-1865.7178	-556.4146
## 68	-854.9867	-865.8958	-933.5322	-621.53193	-1086.2596	-658.6229
##	U50360_s_at	Z31560_s_at	M88461_s_at	U06643_s_at	U51003_s_at	L08044_s_at
## 39	-964.1742	-35.08145	-329.0438	-1582.1389	-1996.2611	-459.9322
## 40	-665.0016	-317.21543	233.2540	-1671.5084	279.3184	-114.5321
## 42	-909.0900	129.03750	-540.7222	-1281.9229	-2045.4489	-1051.9721
## 47	-752.6803	310.38489	-136.1896	-1458.4859	-1948.6286	-948.7374
## 48	-1116.7397	228.98527	-1016.5725	-1341.0272	-2266.4853	-818.4155
## 49	-1033.3860	306.57528	-559.8166	-1164.3268	-1925.9661	-935.1804
## 41	-610.6107	-127.62044	-211.1281	-876.9324	-1858.7117	-831.7931
## 43	-562.6184	-371.03113	-472.0881	-1248.9640	-1566.8725	-364.7151
## 44	-544.7076	-390.17048	-471.9842	-1037.8628	-1917.3609	-633.3392
## 45	-819.3084	-324.07144	-285.9763	-2374.4867	-1146.4784	-460.7658
## 46	-776.2872	-162.15326	-549.0802	-1019.2414	-1142.9680	-443.3501
## 70	-703.9558	176.71657	-535.4598	-1429.6119	-1445.3382	-717.4355
## 72	-918.3171	538.51327	-468.8204	-1072.7595	-2319.8247	-706.2468
## 68	-833.1685	-468.80452	-167.7133	-2096.4424	-2611.3520	-532.0773
##	S57212_s_at	L09209_s_at	L10333_s_at	L10338_s_at	X70940_s_at	M30607_s_at
## 39	2762.9254	-614.42336	-35.08145	881.13706	115.118308	-663.7747
## 40	2322.2739	233.25399	-287.27358	2225.53871	-340.247625	-381.7056
## 42	1848.0873	1305.58198	-433.56062	-161.19169	269.687030	-676.9066
## 47	1029.2609	682.89339	-685.14950	1190.46344	-1042.409112	-484.7356
## 48	1829.4834	986.77214	-726.95851	954.10892	-306.691651	-735.6687
## 49	1631.2601	-828.24534	20.68778	1666.17769	3885.624952	-922.0863
## 41	720.9979	619.43458	-389.42824	70.99238	25.853099	-940.1274
## 43	1146.9295	-112.07252	-147.86355	186.88782	-6.804796	-436.2971
## 44	3318.7205	68.89568	-174.27302	387.06035	-785.603702	-917.4148
## 45	2147.6313	1919.06045	-106.70501	1134.74860	-660.205089	-781.2132
## 46	1747.7360	42.55807	-585.07337	877.15042	397.990932	-643.5623
## 70	563.1341	-77.15073	-450.08853	426.09065	-306.305280	-755.6279
## 72	1091.7400	199.66191	-740.82349	298.78170	-97.697443	-807.6717
## 68	1348.6517	1313.74261	-894.25946	729.01479	24.286855	-1142.9870
##	X13766_s_at	L10615_s_at	L10955_cds1_s_at	U89922_s_at	L15189_s_at	
## 39	-689.5232	-9.332918	-1026.3998	3187.7762	572.15471	
## 40	-324.1251	2524.957220	-1556.3474	-1464.2187	279.31837	
## 42	-1527.5014	1372.557952	-1168.0637	1100.1890	425.96429	
## 47	-1014.0898	1336.417058	-1205.7900	-314.8194	173.14492	
## 48	-1508.6984	917.090593	-1127.6274	-493.9608	137.52824	
## 49	-2899.2930	4880.775348	-2635.2290	3320.3970	356.76927	
## 41	-1326.0682	752.595443	-809.2235	-1540.4798	271.86215	
## 43	-562.6184	-2524.808792	-314.1866	1193.2473	479.53210	
## 44	-762.8777	1898.342511	-1021.9546	11559.1853	273.43011	
## 45	-1072.5290	1296.092754	-1072.5290	-1332.4724	475.92665	
## 46	-1037.2380	1111.106225	-441.1006	1965.9447	94.29830	
## 70	-1191.4709	722.643598	-373.7037	7648.9523	280.06078	
## 72	-1141.9129	1435.201562	-1137.3026	6146.8490	68.27057	
## 68	-1891.3513	657.014722	-1889.1695	-1841.1694	242.46888	
##	L11238_s_at	L11244_s_at	L11701_s_at	U40002_s_at	U37055_rna1_s_at	U67932_s_at
## 39	-547.9063	-989.9227	-273.2553	-2850.254	-133.78414	-419.1637
## 40	-764.0400	-858.4720	-185.9319	-3977.031	-1708.35991	-280.3639
## 42	-505.0017	-1078.7624	-580.9077	-3347.015	-449.18835	-489.3739
## 47	-462.9515	-785.3565	138.2903	-2706.716	-1275.49922	-406.3127

## 48	-816.2380	-1188.5988	-554.9322	-3279.045	-646.38921	-755.2666
## 49	-354.6760	-1664.0844	195.2756	-3798.420	68.69942	-404.8700
## 41	-621.8955	-768.5982	-380.4004	-2208.541	-511.30428	-610.6107
## 43	-596.3041	-971.0572	-385.7686	-3289.052	-914.21259	-187.8653
## 44	-585.6145	-1010.5916	-749.2420	-1874.181	-619.70356	-465.1664
## 45	-664.6869	-1218.1869	-588.4966	-1888.213	34.47112	-471.9702
## 46	-580.5742	-949.5045	-497.3399	-2261.007	-573.82549	-353.3671
## 70	-501.7606	-964.5630	-306.3053	-2588.864	-1052.18089	-548.9395
## 72	-593.2964	-1164.9640	-164.5457	-2571.082	-828.41772	-625.5679
## 68	-721.8957	-1358.9872	-913.8958	-3595.353	-1055.71416	-665.1683
##	L12060_s_at	L12711_s_at	U03397_s_at	X65727_cds2_s_at	L13939_s_at	X68285_s_at
## 39	-148.80412	4001.0006	-294.7125	-1286.0308	4125.4518	-886.9286
## 40	39.78356	984.1035	-199.7512	-810.1044	484.3049	-676.5176
## 42	-627.79093	4221.2691	-638.9536	-413.4678	3194.3043	-766.2079
## 47	-425.91845	2874.3761	-393.2423	-580.5857	3222.9221	-789.7133
## 48	-685.58509	6160.6273	-585.4179	-953.4235	2652.5967	-1099.3193
## 49	284.75181	2656.9634	-245.5586	-420.1464	2934.1215	-1074.8506
## 41	-642.20819	4727.1087	-490.9916	-536.1309	2619.1045	-624.1525
## 43	-914.21259	5519.7508	-269.9741	-299.4491	3622.8264	-773.1538
## 44	-619.70356	7107.1526	-342.4458	-631.0666	3889.1443	-878.7805
## 45	-651.24153	5282.6378	-709.5047	-740.8772	1643.4309	-734.1545
## 46	-351.11756	4265.0105	-535.5827	-549.0802	2697.0566	-519.8357
## 70	-411.89610	4353.1706	-369.2105	-715.1889	1560.6303	-620.8311
## 72	-505.70214	6552.5486	-422.7181	-1026.6573	3194.0015	-936.7580
## 68	-966.25953	6757.3841	-667.3502	-782.9866	2745.0167	-920.4413
##	X69886_s_at	L14848_s_at	L15296_s_at	U58837_s_at	X67235_s_at	L17075_s_at
## 39	-511.4292	-320.4610	-680.9404	-464.2236	130.13828	-856.8887
## 40	-1047.3360	380.6600	-635.0597	-918.3557	567.22079	-738.7046
## 42	-924.7177	-755.0453	-1045.2745	-442.4908	850.14541	-694.7669
## 47	-635.0460	-693.8632	-772.2860	-384.5286	1016.19046	-521.7686
## 48	-975.1990	-559.2873	-766.1544	-903.3399	1304.69422	-975.1990
## 49	-1207.9738	-924.2686	-278.2938	-989.7390	-252.10564	-788.9631
## 41	-669.2918	140.9583	-707.6601	-820.5083	-41.85581	-746.0285
## 43	-733.1521	256.3645	-162.6010	-537.3541	298.47161	-451.0346
## 44	-765.1503	-394.7157	-487.8925	-617.4310	82.53131	-1203.7630
## 45	-644.5189	-104.4641	-696.0593	-527.9925	171.16547	-761.0452
## 46	-821.2787	523.9671	-506.3382	-915.7609	-162.15326	-798.7830
## 70	-867.9586	-357.9774	-220.9340	-562.4192	107.07156	-811.7933
## 72	-759.2644	-1008.2164	-1017.4368	-745.4337	1202.38532	-667.0599
## 68	-1099.3506	-1310.9871	-632.4410	-1400.4418	255.55980	-835.3503
##	L17418_cds2_s_at	U33838_at	U33838_s_at	Z22951_rna1_s_at	U23430_s_at	
## 39	-614.4234	-783.9345	261.026642	3129.84197	-314.023850	
## 40	-738.7046	-367.8863	-314.912213	1833.99142	-598.208190	
## 42	-991.6937	-770.6730	-279.515899	1030.98052	-163.424223	
## 47	-715.6473	-484.7356	9.764002	521.69088	9.764002	
## 48	-1012.2174	-920.7603	-260.963133	1596.48572	-417.746624	
## 49	-832.6100	-834.7924	-690.757460	1991.34744	27.234821	
## 41	-757.3133	-502.2764	-396.199131	1228.81480	-454.880190	
## 43	-783.6806	-672.0968	-309.975846	1035.34569	-752.100293	
## 44	-958.3217	-637.8844	-124.275719	373.42472	-426.532151	
## 45	-1038.9157	-698.3002	-140.318377	1533.62720	-460.765790	
## 46	-663.8085	-414.1057	-119.411331	33.55977	-630.064868	
## 70	-710.6957	-771.3542	10.467191	709.16392	-97.370246	
## 72	-918.3171	-899.8762	-300.547236	1946.93627	-180.681449	

## 68	-1114.6233	-870.2594	-322.622562	2760.28943	-809.168474	
##	M67468_s_at	L19493_s_at	U11875_s_at	X64624_s_at	L20469_s_at	U59632_s_at
## 39	-908.38574	1.395636	-90.86993	280.3380	-846.1601	-241.0697
## 40	-655.78867	83.544731	-165.20296	-683.4273	-245.8156	-770.9496
## 42	-413.46783	111.177242	-257.19058	1057.7709	-844.3466	-375.5148
## 47	-27.26901	-197.185161	-458.59463	1066.2939	-589.2994	160.0744
## 48	61.31404	377.058571	-581.06276	2286.7686	-302.3366	-232.6550
## 49	-841.33943	415.692651	-315.39371	-180.0882	-1661.9020	193.0932
## 41	-402.97002	-283.350941	-416.51181	-560.9575	-793.4248	-317.2054
## 43	-314.18656	64.777257	-162.60103	-396.2954	-651.0433	-152.0743
## 44	-217.45251	9.807961	-340.17317	502.9632	-471.9842	-846.9640
## 45	-256.84471	-104.464121	-398.02084	-483.1747	-776.7314	-250.1220
## 46	-492.84079	-177.900282	-420.85439	1981.6918	-751.5419	-148.6558
## 70	-306.30528	-304.058667	-196.22123	-504.0072	-477.0479	-198.4678
## 72	-478.04080	102.847239	-155.32522	1681.8485	-909.0966	-153.0201
## 68	-453.53178	414.832676	-601.89555	-787.3503	-1276.0780	-189.5315
##	S75213_s_at	U18088_s_at	X63575_s_at	U24389_s_at	U02683_s_at	U18383_s_at
## 39	793.1629	-1343.9650	-569.3634	-717.4175	-288.2753	-856.8887
## 40	2522.6540	-706.4595	-453.1054	-151.3836	-770.9496	-895.3235
## 42	526.4282	-1192.6216	-538.4896	-819.7887	-886.7647	-951.5081
## 47	650.2172	-735.2530	-476.0219	-648.1165	-639.4028	-674.2574
## 48	1002.0150	-1323.6068	-851.0788	-872.8543	-533.1567	-1029.6377
## 49	1805.8479	-1642.2609	-513.9873	-869.7099	-332.8525	-1221.0679
## 41	515.6142	-739.2576	-536.1309	-639.9512	-599.3259	-743.7716
## 43	1117.4545	-1101.5891	-522.6167	-288.9223	-712.0986	-472.0881
## 44	466.6015	-835.6010	-269.7224	-467.4390	-446.9856	-637.8844
## 45	592.4530	-888.7760	-220.9905	-646.7597	-474.2111	-626.5917
## 46	591.4544	-740.2940	-747.0428	-486.0921	-463.5963	-688.5538
## 70	951.7982	-1002.7554	-443.3487	-477.0479	-400.6630	-593.8718
## 72	888.8902	-1275.6093	-648.6190	-826.1126	-586.3810	-1047.4033
## 68	133.3779	-1328.4417	-826.6230	-1136.4415	-789.5321	-1166.9870
##	L22524_s_at	L23333_s_at	M27394_s_at	M60974_s_at	L24774_s_at	L25286_s_at
## 39	-663.7747	627.943187	-453.49505	612.92321	59.32983	-629.4433
## 40	-425.4667	454.363043	-77.68062	69.72542	-13.19048	-612.0275
## 42	-739.4175	865.773136	-949.27557	1075.63117	-266.12071	-685.8368
## 47	-521.7686	1451.872907	-674.25744	-397.59909	31.54812	-706.9336
## 48	-835.8359	-6.189961	-1097.14175	-297.98146	-62.80622	-946.8909
## 49	-913.3569	2467.099169	1705.45994	-494.34620	40.32891	-579.4577
## 41	-712.1741	529.156027	-955.92615	-339.77504	653.28904	-662.5209
## 43	-512.0899	1586.948569	-187.86528	1496.41832	180.57176	-537.3541
## 44	-503.8007	1552.906588	-340.17317	516.59882	818.85525	-558.3432
## 45	-478.6929	2010.936983	-599.70103	-306.14431	159.96102	-619.8691
## 46	-369.1142	1174.094326	-681.80509	121.29320	283.26260	-681.8051
## 70	-663.5168	1834.717166	1562.87696	89.09866	30.68671	-548.9395
## 72	-715.4673	1813.239813	-653.22926	70.57568	-385.83635	-743.1286
## 68	-913.8958	482.469103	-909.53220	-416.44083	310.10531	-985.8959
##	M89470_s_at	U45255_s_at	L25931_s_at	U35005_s_at	S69265_s_at	L27213_s_at
## 39	-908.3857	-1187.3281	421.95495	-262.526791	1488.373215	-2545.563
## 40	-220.4802	-1268.4450	83.54473	-432.376399	-202.054466	-2620.435
## 42	-755.0453	-1422.5724	1276.55907	-558.582427	227.268918	-1819.963
## 47	-173.2226	-1077.2637	1464.94338	192.750631	9.764002	-1617.510
## 48	-650.7443	-1264.8130	2064.65864	-729.136056	-350.242621	-2638.846
## 49	-675.4810	-1428.3909	-29.50621	-7.682736	1738.195151	-4034.114
## 41	-493.2486	-899.5021	657.80296	-434.567516	122.902543	-2134.061

## 43	-389.9793	-844.7359	951.13151	-541.564842	125.832538	-1790.040
## 44	-883.3257	-1058.3163	543.87008	-860.599659	77.986104	-2305.976
## 45	-402.5026	-765.5270	124.10676	-427.152425	182.369927	-1462.444
## 46	-515.3365	-1124.9714	-51.92408	-155.404531	233.771953	-1586.134
## 70	-351.2375	-683.7363	248.60820	-196.221230	228.388678	-1472.298
## 72	-796.1462	-1241.0326	789.77040	-254.445010	324.137922	-2483.488
## 68	-1053.5323	-1753.8966	851.19672	-318.258922	-381.531708	-2480.443
##	M62782_s_at	L27559_s_at	L27584_s_at	X69962_s_at	L29306_s_at	M96995_s_at
## 39	-1695.8616	-670.2118	-4315.774	-706.6889	-427.7465	1923.9525
## 40	-2092.9975	-766.3432	-3576.271	-549.8406	-404.7378	2336.0932
## 42	-1335.5036	-717.0922	-1741.825	-654.5813	-837.6490	1381.4881
## 47	-698.2200	-802.7838	-1229.753	-617.6187	-584.9425	1360.3796
## 48	-1513.0535	-1077.5438	-2549.567	-759.6217	-848.9012	2045.0607
## 49	-1415.2968	-745.3161	-4446.577	-653.6576	-529.2638	2986.4978
## 41	-1608.1887	-689.6044	-1955.761	-459.3941	-752.7994	1434.1985
## 43	-1457.3941	-718.4146	-1750.038	-552.0916	-600.5148	2134.3407
## 44	-951.5038	-731.0612	-1378.754	-583.3419	-494.7103	1200.6529
## 45	-940.3165	-527.9925	-1679.810	-839.4764	-595.2193	1455.1960
## 46	-1104.7252	-789.7847	-1016.992	-634.5640	-499.5895	1936.7003
## 70	-1065.6606	-596.1184	-1721.672	-508.5005	-575.8989	1542.6574
## 72	-929.8426	-911.4017	-2863.831	-459.5999	-593.2964	854.3135
## 68	-1594.6238	-966.2595	-2246.988	-630.2592	-902.9867	1850.4704
##	S77893_s_at	L32831_s_at	S75578_s_at	U80226_s_at	L33262_s_at	L34363_s_at
## 39	-1483.4362	1147.2052	104.38975	333.9808	-1017.8170	-959.8828
## 40	-1171.7098	509.6403	882.76184	590.2530	-858.4720	-678.8209
## 42	2153.9442	2913.0052	-404.53770	-183.5170	-897.9273	-886.7647
## 47	-210.2556	1127.2895	-401.95591	-489.0924	-948.7374	-785.3565
## 48	-733.4912	494.6462	-511.38121	-602.8382	-938.1807	-1018.7500
## 49	-1474.2202	1572.3368	145.08158	1240.6200	-884.9864	-922.0863
## 41	-1021.3781	247.0356	-53.14063	-141.1622	-700.8892	-849.8489
## 43	1831.1697	2336.4548	-61.54401	136.3593	-415.2436	-522.6167
## 44	-1067.4067	718.8606	-26.55371	-276.5402	-765.1503	-762.8777
## 45	-964.9663	962.2000	-229.95402	-180.6544	-595.2193	-895.4986
## 46	-789.7847	584.7057	-99.16516	-200.3960	-762.7898	-715.5487
## 70	-616.3379	495.7357	-146.79574	80.1122	-521.9802	-654.5303
## 72	-1367.8138	1352.2176	-344.34435	-418.1079	-943.6733	-1019.7420
## 68	-2061.5333	661.3784	-514.62274	-796.0776	-913.8958	-1003.3505
##	L35249_s_at	L35253_s_at	L46720_s_at	U19495_s_at	X95097_rna1_s_at	X95425_s_at
## 39	-335.48096	-299.00387	-299.00387	-743.1660	-835.43157	-721.7089
## 40	-119.13857	97.36405	949.55520	-476.1376	-1047.33596	-789.3754
## 42	26.34102	-538.48964	-859.97428	-757.2778	910.42378	-817.5562
## 47	-325.71148	-526.12541	-22.91218	-160.1522	-452.05939	-554.4448
## 48	-112.88984	-946.89090	-489.60572	-970.8439	-779.21967	-1238.6824
## 49	-330.67015	-548.90488	-230.28217	-623.1047	73.06412	-989.7390
## 41	-283.35094	-321.71933	-299.14969	-621.8955	-477.44983	-682.8335
## 43	-36.27976	60.56655	662.69794	-482.6149	-15.22621	-396.2954
## 44	-410.62392	-256.08679	-644.70221	-701.5173	-606.06793	-612.8857
## 45	-321.83055	-294.93986	-763.28608	-765.5270	-402.50262	-626.5917
## 46	-409.60651	-346.61841	-420.85439	-650.3110	-447.84929	-686.3042
## 70	-450.08853	-261.37301	-863.46537	-535.4598	-481.54111	-652.2837
## 72	363.32481	-869.90972	-703.94171	-828.4177	-196.81723	-992.0806
## 68	820.65124	-684.80472	-1121.16877	-1036.0778	-113.16782	-1055.7142
##	U17743_s_at	L37036_s_at	X94628_rna1_s_at	L37360_s_at	M34458_rna1_s_at	
## 39	-391.2694	-376.24946	-1468.4163	301.79515	-196.00976	

## 40	-427.7700	-93.80316	-1666.9020	-47.73877	-515.29229	
## 42	-569.7451	-509.46672	-1616.8027	106.71218	-417.93290	
## 47	-425.9184	-508.69811	-894.2771	-127.47597	449.80328	
## 48	-842.3686	-748.73399	-1534.8290	-339.35488	-36.67564	
## 49	-483.4345	-73.15316	-1949.9719	20.68778	-455.06394	
## 41	-565.4714	-502.27643	-922.0717	-669.29175	957.97915	
## 43	-158.3903	-219.44560	-1061.5874	-1263.70144	-61.54401	
## 44	-312.9019	-756.05984	-585.6145	-185.63605	671.13594	
## 45	-496.6200	-521.26985	-487.6565	-270.29006	-440.59777	
## 46	-292.6286	-513.08697	-666.0581	-715.54872	-391.60991	
## 70	-683.7363	-418.63594	-800.5602	-445.59530	-182.74155	
## 72	-722.3826	-441.15902	-1377.0342	-358.17502	-335.12391	
## 68	-929.1686	-811.35029	-946.6231	-102.25872	94.10510	
##	L37868_s_at	L38490_s_at	U15637_s_at	U32986_s_at	L40384_s_at	L40386_s_at
## 39	-515.7207	690.1688	784.58007	975.5483	-974.9028	-241.0697
## 40	-1929.4690	518.8532	12.14493	2131.1067	-1208.5613	-860.7752
## 42	-1078.7624	245.1292	379.08111	2200.8274	-837.6490	-393.3750
## 47	-567.5152	-269.0728	127.39826	1698.0335	-835.4599	214.5348
## 48	-1521.7637	-263.1407	-60.62867	2306.3665	-1299.6538	-931.6481
## 49	-1369.4675	1240.6200	965.64419	3189.4561	-1290.9030	-1308.3618
## 41	-908.5299	240.2647	116.13165	2176.7396	-820.5083	-454.8802
## 43	-345.7669	706.9104	90.04151	1709.0591	-859.4734	-491.0363
## 44	-883.3257	862.0347	77.98610	2027.8810	-826.5106	-703.7899
## 45	-991.8570	778.4469	-140.31838	1594.1313	-899.9804	-550.4014
## 46	-945.0054	227.0232	47.05722	1052.6173	-873.0190	-672.8068
## 70	-1146.5386	138.5241	203.67593	1160.7332	-771.3542	-607.3515
## 72	-1109.6413	-146.1048	121.28813	1774.0529	-1238.7275	-667.0599
## 68	-1363.3508	238.1052	-32.44047	3410.4719	-1402.6236	-1099.3506
##	U61734_s_at	U43185_s_at	M97347_s_at	L49209_s_at	L42374_s_at	L43575_s_at
## 39	-123.05559	323.25225	-614.4234	-200.3012	-335.4809582	48.60127
## 40	283.92481	887.36828	-448.4989	-492.2601	-324.1250902	25.96425
## 42	82.15432	468.38240	-741.6501	-404.5377	-0.4493699	519.73064
## 47	783.10035	1419.19672	-223.3261	-652.4733	184.0369816	-177.57945
## 48	1012.90273	590.45832	-766.1544	-855.4339	-167.3285488	808.21317
## 49	415.69265	-295.75259	-740.9514	-520.5344	51.2406423	123.25811
## 41	-260.78130	-296.89272	-592.5550	-682.8335	-648.9790766	34.88095
## 43	475.32139	-244.70986	-701.5718	-356.2936	-526.8273606	155.30750
## 44	223.43281	337.06305	-765.1503	-576.5241	-87.9140431	-97.00446
## 45	68.08449	285.45091	-743.1181	-584.0148	-144.8001592	263.04200
## 46	670.18951	-33.92748	-589.5725	-443.3501	-409.6065127	503.72096
## 70	-182.74155	367.67870	-645.5439	-459.0750	-495.0207945	-122.08299
## 72	962.65375	1236.96199	-835.3331	-521.8379	-422.7181339	510.85194
## 68	475.92364	235.92342	-534.2591	-453.5318	-436.0772143	1213.37888
##	L43579_at	L43579_s_at	L44140_cds4_s_at	U28749_s_at	X92518_s_at	L47125_s_at
## 39	-24.352893	597.90324	-412.7265	-459.9322	1447.60471	-867.6172
## 40	-91.499938	424.42119	956.4649	-618.9372	1817.86889	-881.5042
## 42	-328.631608	1310.04705	-1766.3824	-636.7211	901.49365	-78.5880
## 47	9.764002	109.97097	-550.0879	-595.8346	408.41344	-630.6892
## 48	-282.738618	429.31973	-1796.1348	-946.8909	718.93368	-1212.5518
## 49	-494.346197	121.07576	-1779.7488	-640.5635	3049.78591	188.7285
## 41	-416.511805	233.49377	-1206.4491	-608.3537	213.18109	-802.4526
## 43	-642.621859	-36.27976	-1750.0383	-501.5631	1026.92427	-747.8896
## 44	-296.993680	516.59882	-721.9708	-724.2434	43.89703	-640.1570
## 45	-43.960064	1614.29928	-913.4258	-740.8772	464.72219	-720.7091

## 46	-456.847589	847.90594	-886.5164	-589.5725	503.72096	-650.3110
## 70	-425.375783	196.93609	-1047.6877	-548.9395	661.98504	-690.4761
## 72	-164.545670	485.49571	-872.2148	-671.6702	1186.24954	-985.1653
## 68	-200.440629	1501.37915	-1546.6237	-835.3503	595.92376	-979.3505
##	Z37987_s_at	L47276_s_at	Y08765_s_at	Y08766_s_at	U37546_s_at	U45878_s_at
## 39	-423.4551	42.16414	1048.50250	1323.15348	-562.9263	514.2205
## 40	-644.2726	-427.76996	189.49282	657.04634	-605.1178	1652.0371
## 42	-926.9502	-31.70482	15.17836	50.89887	-788.5332	-275.0508
## 47	-848.5304	608.82737	-443.34574	173.14492	-757.0371	160.0744
## 48	-1114.5621	3980.90130	107.04256	-722.60341	-1064.4785	914.9130
## 49	-631.8341	-352.49362	605.55687	145.08158	-734.4044	1068.2145
## 41	-554.1866	1506.42135	-177.27364	-80.22420	-687.3475	-323.9763
## 43	-396.2954	450.05713	-101.54575	-552.09161	-672.0968	399.5286
## 44	-710.6077	-2462.78601	-383.35266	-237.90596	-781.0585	-203.8169
## 45	-673.6504	-2121.26602	-521.26985	92.73429	-790.1768	-590.7375
## 46	-544.5810	-344.36884	-60.92238	-434.35184	-600.8204	-362.3654
## 70	-578.1455	-297.31883	23.94687	-481.54111	-647.7905	-205.2077
## 72	-945.9784	-690.11104	605.36150	1204.69043	-662.4497	729.8375
## 68	-911.7140	-320.44074	-250.62249	17.74139	-953.1686	-481.8954
##	L76528_s_at	U48436_s_at	X95463_s_at	U31215_s_at	U31216_s_at	L77567_s_at
## 39	-1743.0672	-736.7289	-1743.0672	-989.9227	-1223.8052	-2088.5267
## 40	-750.2207	-607.4211	-2189.7327	-766.3432	-1010.4845	-1339.8448
## 42	-598.7680	-529.5595	-1036.3443	-980.5310	-1351.1314	-2141.4478
## 47	-798.4269	-526.1254	-1471.5563	-480.3788	-1101.2262	-635.0460
## 48	-1408.5312	-1016.5725	-1323.6068	-1127.6274	-1401.9985	-1491.2780
## 49	-1587.7022	-812.9689	-930.8157	-981.0097	-2430.0883	-3113.1630
## 41	-1019.1211	-633.1803	-1102.6288	-976.2388	-1019.1211	-694.1184
## 43	-1573.1886	-461.5614	-1040.5339	-661.5700	-1091.0624	-1011.0589
## 44	-1987.8116	-1212.8534	-1335.5741	-842.4188	-1078.7697	105.2574
## 45	-400.2617	-830.5128	-1363.8449	-814.8266	-987.3752	-729.6727
## 46	-157.6541	-573.8255	-1118.2227	-731.2957	-891.0156	-843.7745
## 70	-634.3108	-587.1319	-780.3407	-582.6387	-692.7228	-867.9586
## 72	-2151.5516	-731.6030	-1056.6237	-920.6222	-1446.1875	-1413.9160
## 68	-558.2591	-929.1686	-1764.8057	-1428.8054	-1729.8966	-911.7140
##	U64315_s_at	U64805_s_at	U72882_s_at	V00565_s_at	M10051_s_at	M10321_s_at
## 39	-50.10142	-526.4492	-283.98390	-1234.5338	-288.27532	-1114.3740
## 40	196.40248	-639.6661	-195.14481	-508.3826	-625.84682	-1026.6070
## 42	-306.30629	-679.1392	-190.21461	-1491.7809	-518.39685	-1239.5048
## 47	192.75063	-530.4822	495.54993	-1064.1932	-412.84797	-835.4599
## 48	-352.42017	-807.5278	-223.94481	-1049.2357	-665.98715	-1301.8313
## 49	1039.84400	-928.6333	-99.34133	-1443.6673	92.70524	-433.2405
## 41	-330.74718	-434.5675	-242.72559	-1156.7959	-770.85512	-906.2729
## 43	-360.50435	-522.6167	-213.12954	-1714.2473	-244.70986	-1118.4320
## 44	-551.52541	-1378.7535	-1156.03828	-1269.6685	-244.72377	-2285.5228
## 45	-559.36499	-1516.2255	-79.81432	-1041.1566	-389.05728	-2282.6102
## 46	-544.58102	-537.8323	254.01813	-1133.9697	-360.11586	-877.5181
## 70	-202.96107	-425.3758	-299.56544	-1092.6199	-319.78496	-490.5276
## 72	273.42547	-680.8906	-856.07906	-1130.3873	-293.63190	-1298.6604
## 68	-418.62265	-902.9867	-204.80427	-1228.0780	-955.35043	-1182.2597
##	M11025_s_at	X62891_s_at	M11313_s_at	X05855_at	X05855_s_at	X07438_s_at
## 39	-185.2812	-2043.467	-268.9639	-5238.430	1535.579	-112.32704
## 40	-231.9963	-2940.582	-706.4595	-5416.543	1942.243	-828.53012
## 42	-763.9754	-1382.387	-609.9307	-5787.173	4384.244	-136.63384
## 47	-447.7026	-1558.693	-417.2048	-2390.846	2687.033	-321.35466

## 48	-716.0708	-2429.801	-892.4522	-5977.028	5287.430	-589.77295
## 49	-282.6585	-2626.500	-175.7235	-10930.331	2632.958	-228.09982
## 41	-310.4345	-1614.960	-454.8802	-2280.764	3395.500	-339.77504
## 43	-1461.6048	-1811.094	-371.0311	-4310.149	3658.617	-126.81000
## 44	-737.8790	-1465.113	-631.0666	-1799.185	3498.256	-178.81823
## 45	-837.2355	-1617.066	-447.3204	-3797.452	1820.461	-247.88115
## 46	-499.5895	-1777.348	-571.5759	-3284.563	1437.295	-380.36204
## 70	-542.1997	-1937.347	-569.1590	-3739.130	1589.836	-427.62240
## 72	-639.3986	-2045.516	-588.6861	-4246.898	5738.844	-95.39233
## 68	-494.9864	-1991.715	-828.8049	-4969.900	4398.836	-676.07744
##	X03363_s_at	X02875_s_at	M12963_s_at	X83705_s_at	M12959_s_at	M13560_s_at
## 39	-474.95216	-268.963924	-479.2436	960.52836	986.2769	52721.51
## 40	-56.95165	-206.660904	-1236.1999	1011.74212	6177.8631	47239.66
## 42	-940.34544	-770.672989	-578.6752	55.36394	191.5484	23173.24
## 47	-761.39393	-218.969283	-643.7597	504.26358	151.3608	25255.38
## 48	-909.87258	-750.911541	-1018.7500	522.95432	747.2418	29945.99
## 49	-946.09210	5.411348	-799.8748	472.43368	2759.5337	21137.08
## 41	-416.51181	-610.610692	-445.8523	-540.64481	4715.8239	20040.61
## 43	-457.35066	-547.880906	-971.0572	525.84990	5526.0669	21659.40
## 44	-403.80610	-110.640091	-367.4444	-346.99098	189.3437	43396.11
## 45	-359.92570	18.784884	-940.3165	-335.27589	303.3780	29641.12
## 46	-438.85099	-315.124360	-508.5878	312.50708	431.7346	32627.65
## 70	80.11220	-299.565440	-876.9451	273.32094	7736.5702	26277.87
## 72	-715.46727	-372.005686	-782.3155	526.98772	5273.2119	33582.28
## 68	-942.25951	109.377844	-1001.1687	-484.07726	113.7415	25647.58
##	M13690_s_at	M13686_s_at	M13829_s_at	M34353_s_at	M13928_s_at	X04445_rna1_s_at
## 39	-251.798237	22.85274	1104.2910	-45.81000	-262.52679	-2165.7723
## 40	454.363043	-266.54461	2647.0278	189.49282	-639.66614	-1659.9923
## 42	-118.773578	-589.83788	3332.7213	64.29406	-362.11959	-1806.5679
## 47	737.353691	-504.34129	957.3733	-356.20925	-497.80605	-539.1959
## 48	248.583211	-735.66870	1128.3128	-474.36288	-689.94018	-1073.1887
## 49	-22.959168	378.59275	2045.9061	273.84007	-317.57606	-5020.5346
## 41	-423.282697	-560.95749	587.8371	-421.02573	-260.78130	-502.2764
## 43	-305.765137	-1112.11591	-512.0899	-432.08641	-25.75299	-844.7359
## 44	-153.819581	-237.90596	896.1238	-535.61718	-346.99098	-1765.0964
## 45	-191.858870	-662.44598	935.3093	-514.54717	-312.86698	-628.8326
## 46	-132.908781	-292.62861	1264.0773	-515.33654	-427.60311	-1032.7388
## 70	-7.505715	-304.05867	679.9579	-178.24832	-477.04789	-847.7391
## 72	-247.529676	-556.41459	759.8040	-680.89060	-662.44971	-1031.2675
## 68	-708.804743	-835.35032	1538.4701	-665.16834	-1114.62331	-2273.1698
##	X81851_s_at	M13994_s_at	M60891_s_at	U59058_s_at	M14328_s_at	M16336_s_at
## 39	-893.3658	1694.36145	-2648.5572	-397.7066	6869.816	-1343.9650
## 40	-844.6527	1723.43689	-2205.8553	-301.0929	19566.477	-874.5945
## 42	-1181.4589	-826.48630	1571.2533	-254.9580	7605.788	-891.2297
## 47	-852.8872	201.46428	-356.2093	-452.0594	17378.245	-584.9425
## 48	-1243.0375	-872.85426	-1336.6721	-881.5644	14428.779	-1552.2494
## 49	-1201.4267	590.28044	-2798.9050	-542.3578	11192.124	-719.1280
## 41	-940.1274	614.92065	-840.8210	-292.3788	22277.259	-1208.7061
## 43	-547.8809	850.07449	637.4337	-309.9758	11172.628	-526.8274
## 44	-1062.8615	1014.29926	-787.8763	-276.5402	11181.933	-510.6185
## 45	-1126.3104	-91.01878	-382.3346	-581.7739	14512.868	-855.1626
## 46	-848.2736	715.18101	-528.8340	-438.8510	11465.900	-375.8629
## 70	-874.6984	1023.68978	-892.6713	-286.0858	11288.466	-344.4977
## 72	-964.4193	-743.12860	-1324.0166	-796.1462	10047.097	-1068.1493

## 68	-1319.7144	-1204.07794	-924.8049	-532.0773	25433.765	-549.5319
##	M14483_rna1_s_at	X04602_s_at	Y00081_s_at	M26708_s_at	X64072_s_at	
## 39	28603.72	-453.4951	-929.8428	40113.31	-629.44334	
## 40	16544.65	-692.6402	-692.6402	25538.72	-149.08042	
## 42	33512.09	-723.7898	-962.6708	35217.75	-29.47229	
## 47	13581.27	-693.8632	-748.3235	32200.16	626.25467	
## 48	16510.52	-1012.2174	-920.7603	26472.80	1683.58766	
## 49	44165.21	-651.4752	-751.8632	36799.79	-730.03971	
## 41	45205.75	-676.0626	-574.4993	28463.60	-321.71933	
## 43	21505.71	-497.3524	-682.6236	31657.73	2144.86751	
## 44	43314.29	-521.9816	-681.0639	30230.91	-735.60640	
## 45	23583.99	-485.4156	-436.1160	23682.59	3729.70038	
## 46	24333.47	-627.8153	-675.0564	27532.37	1381.05523	
## 70	40020.40	-515.2403	-526.4734	24437.89	1023.68978	
## 72	24387.19	-819.1973	-722.3826	34342.97	208.88236	
## 68	32838.86	-955.3504	-926.9868	24312.31	115.92330	
##	M15517_cds3_s_at	M27396_s_at	M16364_s_at	M16474_s_at	M36429_s_at	M16591_s_at
## 39	364.0208	-644.4633	-2172.209	-620.8605	1312.4249	-680.9404
## 40	-377.0991	-503.7762	-743.311	-192.8416	242.4669	-665.0016
## 42	-217.0050	-426.8630	-1766.382	-752.8127	385.7787	-652.3488
## 47	-913.8828	-513.0549	-1305.997	-648.1165	358.3100	-443.3457
## 48	-565.8199	-814.0604	-2264.308	-962.1337	318.2648	-1086.2540
## 49	546.6335	-692.9398	-3516.897	-684.2104	633.9274	-732.2221
## 41	-430.0536	-759.5703	-1113.914	-725.7158	1134.0223	-373.6295
## 43	-371.0311	-406.8222	-1861.622	-522.6167	-389.9793	-491.0363
## 44	-535.6172	-681.0639	-1378.754	-708.3351	991.5732	-624.2488
## 45	-413.7071	-599.7010	-1254.041	-628.8326	334.7505	-747.5998
## 46	-119.4113	-663.8085	-1091.228	-659.3093	1072.8634	-398.3586
## 70	-274.8527	109.3182	-1153.278	-645.5439	628.2858	-220.9340
## 72	-146.1048	-816.8922	-2169.992	-759.2644	1260.0131	-694.7213
## 68	-370.6226	-820.0776	-2572.079	-902.9867	1224.2880	-584.4410
##	M16652_at	M16652_s_at	M16707_rna1_at	M16707_rna1_s_at	M16750_s_at	
## 39	2865.9195	-805.3916	291.0666	2576.2485858	3850.80080	
## 40	1527.6633	-971.3297	-1913.3464	-916.0524577	113.48658	
## 42	3180.9091	-804.1610	-1739.5920	414.8016250	4969.16737	
## 47	1299.3841	-685.1495	-959.6294	517.3340548	-96.97820	
## 48	1378.7309	-1195.1314	-811.8829	1474.5430037	873.53962	
## 49	4865.4989	-974.4626	-1991.4365	225.8284310	27.23482	
## 41	1082.1122	-739.2576	-497.7625	1276.2110442	-364.60164	
## 43	586.9052	-880.5269	-1602.6635	738.4907006	3075.43421	
## 44	2607.3952	-737.8790	173.4355	0.7175423	-133.36614	
## 45	2450.1516	-700.5411	3279.2813	4518.4940130	-498.86094	
## 46	2652.0651	-697.5521	789.4170	2377.6169807	1075.11302	
## 70	2886.1322	-683.7363	419.3508	3254.5767527	729.38344	
## 72	2135.9554	-1008.2164	-1815.0054	-899.8761700	2232.77007	
## 68	2662.1075	-1180.0779	-1769.1694	-226.6224720	-1243.35070	
##	M16938_s_at	M31423_s_at	U08006_s_at	M28130_rna1_s_at	Y00787_s_at	M17236_at
## 39	297.50373	-537.1778	-288.2753	89.36978	960.52836	-211.02973
## 40	963.37451	-641.9694	-441.5893	-213.57056	-135.26111	829.78779
## 42	-45.10001	-685.8368	-440.2582	-232.63272	1531.06774	-31.70482
## 47	22.83448	-661.1870	-205.8988	-600.19143	-205.89881	-1247.17986
## 48	-533.15669	-944.7134	-777.0421	-1016.57246	-807.52780	-1247.39259
## 49	502.98655	-631.8341	-509.6226	-1367.28514	-260.83503	1223.16117
## 41	-127.62044	-802.4526	-590.2980	-317.20540	-648.97908	-1256.10234

## 43	90.04151	-541.5648	-411.0329	-625.77902	-371.03113	-945.79291
## 44	-433.34997	-542.4350	-381.0801	-340.17317	-551.52541	-576.52406
## 45	-91.01878	-548.1605	-250.1220	-389.05728	-234.43580	-1070.28814
## 46	24.56147	-704.3008	-463.5963	-747.04277	-587.32294	-841.52492
## 70	-74.90411	-551.1861	-438.8555	-202.96107	-18.73878	-1669.99953
## 72	114.37280	-798.4513	-579.4657	-514.92259	-210.64790	-1130.38730
## 68	-534.25912	-1005.5323	-658.6229	-449.16814	-422.98629	-38.98593
##	M17236_s_at	M26856_s_at	M17254_s_at	Y00414_s_at	M18255_cds2_s_at	M18391_s_at
## 39	-955.5914	-1725.9016	-732.43745	711.6259	1074.25103	-339.7724
## 40	-1632.3537	-2910.6404	46.69322	712.3236	1004.83246	-374.7959
## 42	-1831.1258	-1304.2482	-1031.87926	-114.3085	180.38574	-797.4634
## 47	-926.9533	-972.6999	-177.57945	591.4001	338.70425	-155.7953
## 48	-1597.9779	-1558.7820	-493.96082	-25.7879	520.77677	-620.2586
## 49	-2059.0893	-2534.8410	-1723.00776	1229.7082	145.08158	173.4521
## 41	-1068.7743	-2021.2131	-694.11835	409.5369	-96.02295	-459.3941
## 43	-899.4751	-2594.2855	111.09506	1527.9986	79.51474	-227.8670
## 44	-912.8696	-1992.3568	271.15751	321.1548	468.87412	-651.5200
## 45	-982.8934	-1267.4866	350.43675	942.0320	-433.87510	-501.1018
## 46	-857.2719	-972.0003	-87.91728	501.4714	379.99433	-301.6269
## 70	-1108.3462	-2285.5716	-856.72553	659.7384	165.48351	-337.7579
## 72	-1305.5758	-1063.5391	-1787.34401	160.4750	1884.69826	-457.2948
## 68	-1487.7146	-1701.5329	-368.44079	-422.9863	111.55966	-553.8955
##	Z19554_s_at	Y00083_s_at	X54667_at	X54667_s_at	M19267_s_at	M19309_s_at
## 39	14012.887	-577.9463	-1073.6055	1711.5271	-588.6748	-1120.8111
## 40	35944.670	-464.6215	-1049.6392	1375.6508	-547.5374	-911.4460
## 42	31723.834	-757.2778	-1132.3432	631.3573	-558.5824	-844.3466
## 47	8505.572	-863.7793	-835.4599	571.7944	-807.1406	408.4134
## 48	19138.816	-1216.9069	-1162.4682	803.8581	-953.4235	-1064.4785
## 49	46447.945	-847.8865	-1183.9680	2536.9343	-834.7924	-1441.4850
## 41	31052.334	-628.6664	-1152.2820	350.8559	-658.0069	-883.7033
## 43	9785.199	-522.6167	-733.1521	696.3836	-253.1313	-682.6236
## 44	15381.707	-708.3351	-792.4215	273.4301	-835.6010	-890.1435
## 45	26223.764	-904.4622	-1115.1060	971.1636	-691.5776	-904.4622
## 46	11960.807	-675.0564	-375.8629	951.3864	-672.8068	-645.8119
## 70	21647.600	-510.7471	-805.0534	888.8930	-557.9260	-762.3678
## 72	42491.539	-869.9097	-791.5359	1230.0467	-826.1126	-660.1446
## 68	46392.330	-1018.6232	-968.4414	292.6507	-1040.4414	-1049.1687
##	M19508_xpt3_s_at	M19878_at	M19878_s_at	M27783_s_at	M20203_s_at	X58298_s_at
## 39	1906.7868	-1125.10253	-610.1319	-397.70657	-1084.33402	-929.8428
## 40	539.5822	207.91857	-390.9185	-206.66090	-1425.06393	-1065.7617
## 42	1508.7424	-386.67745	-1107.7854	1865.94757	-25.00722	-1112.2504
## 47	1131.6463	-643.75967	-397.5991	-31.62583	-739.60981	-831.1031
## 48	675.3827	-816.23800	-1118.9172	-968.66639	-1243.03750	-1743.8736
## 49	1570.1544	-701.66920	-398.3229	-644.92817	-1681.54316	-1448.0320
## 41	120.6456	-617.38158	-540.6448	208.66717	-147.93311	-809.2235
## 43	2048.0212	454.26784	-562.6184	14402.24148	13324.29997	-950.0036
## 44	341.6083	-174.27302	-869.6901	-231.08814	-1015.13678	-590.1597
## 45	536.4307	-306.14431	-581.7739	-335.27589	-709.50469	-355.4439
## 46	370.9960	-396.10906	-603.0700	-243.13796	-443.35014	-180.1499
## 70	868.6735	-95.12363	-504.0072	861.93362	-396.16981	-108.6033
## 72	1130.9269	-473.43058	-597.9066	-448.07436	-1204.15086	-1344.7626
## 68	630.8329	-981.53227	-828.8049	-889.89582	-2020.07870	-597.5319
##	M20642_s_at	M20747_s_at	M20778_s_at	M26311_s_at	M84371_rna1_s_at	
## 39	-614.4234	379.04074	-449.2036	276.04662	2539.7715	

## 40	-485.3504	164.15741	-264.2414	-462.31825	5756.3739	
## 42	-652.3488	321.03527	-801.9284	4946.84205	881.4009	
## 47	-652.4733	-913.88279	-530.4822	-238.57499	1061.9371	
## 48	-986.0868	176.72411	-814.0604	-398.14869	4074.5359	
## 49	-531.4461	546.63349	-417.9640	-492.16385	4463.9470	
## 41	-527.1030	-267.55219	-678.3196	529.15603	3138.2062	
## 43	-472.0881	349.00012	-758.4164	57124.09522	3742.8316	
## 44	-842.4188	-60.64279	-644.7022	809.76483	4650.4669	
## 45	-882.0533	-312.86698	-646.7597	-348.72124	3902.2490	
## 46	-596.3212	-51.92408	-472.5946	-139.65751	3407.9224	
## 70	-477.0479	-11.99894	-539.9531	2007.70639	3843.1894	
## 72	-752.3490	335.66348	-614.0424	93.62679	3039.5590	
## 68	-837.5321	-58.62231	-754.6230	10113.02361	419.1963	
##	M21142_cds2_s_at	M54914_s_at	M26692_s_at	Z20656_rna1_s_at	M21665_s_at	
## 39	25310.054	-721.7089	-710.9803	-861.1801	-614.4234	
## 40	5003.221	-676.5176	-701.8531	-890.7170	-483.0472	
## 42	18268.362	-717.0922	-871.1369	-1051.9721	-630.0235	
## 47	9411.791	-876.8498	-706.9336	-608.9051	-521.7686	
## 48	19746.352	-1040.5255	-1081.8989	-1216.9069	-1016.5725	
## 49	12298.574	-557.6343	-869.7099	-1002.8331	-688.5751	
## 41	20986.276	-628.6664	-894.9881	-635.4373	-639.9512	
## 43	12903.229	-507.8792	-411.0329	-924.7394	-773.1538	
## 44	21808.633	-833.3284	-1081.0423	-624.2488	-678.7913	
## 45	11976.179	-1103.9015	-1088.2153	-787.9359	-393.5391	
## 46	16360.976	-623.3161	-528.8340	-549.0802	-792.0343	
## 70	21602.667	-450.0885	-638.8040	-652.2837	-1034.2080	
## 72	19855.346	-780.0104	-803.0615	-819.1973	-512.6175	
## 68	12715.935	-872.4413	-1145.1688	-1206.2598	-462.2591	
##	M35851_s_at	M33772_s_at	M26730_s_at	M22348_s_at	M23234_s_at	M23323_s_at
## 39	-726.0003	-893.3658	1290.968	456.28632	-850.4515	3290.7703
## 40	-655.7887	-213.5706	2195.597	212.52501	-757.1303	3817.0633
## 42	-962.6708	-297.3762	2654.031	854.61047	-746.1151	4373.0813
## 47	-844.1736	-604.5483	3754.455	-14.19853	-857.2441	1776.4563
## 48	-957.7786	-1225.6171	6243.374	207.20979	-1010.0398	1992.7995
## 49	-339.3995	-1081.3976	1044.209	1140.23197	-994.1037	5461.2797
## 41	-714.4310	-782.1399	2190.281	-215.64203	-639.9512	878.9854
## 43	-758.4164	-278.3955	2079.602	327.94657	-657.3593	1664.8467
## 44	-587.8871	-508.3459	3345.992	112.07518	-731.0612	1634.7204
## 45	-698.3002	-628.8326	6978.992	549.87605	-778.9723	1549.3134
## 46	-668.3076	-812.2804	2037.931	-103.66431	-663.8085	942.3881
## 70	-627.5710	-692.7228	1906.609	118.30463	-533.2132	1142.7603
## 72	-909.0966	-1001.3011	3403.767	199.66191	-826.1126	3489.0557
## 68	-841.8958	-913.8958	3827.200	246.83252	-756.8048	779.1967
##	Z68228_s_at	M23892_s_at	X95325_s_at	M24122_s_at	M55024_s_at	M24485_s_at
## 39	12826.3090	-588.67483	2865.920	-118.7642	-577.9463	5803.398
## 40	781.4202	-273.45426	2916.505	-144.4740	-881.5042	5512.233
## 42	5203.5833	-659.04638	10695.613	-2241.9117	-853.2767	5397.814
## 47	2870.0193	-497.80605	1560.794	-918.2396	-608.9051	3941.798
## 48	7721.9296	-838.01348	3937.350	-1972.5162	-1079.7214	7632.650
## 49	5563.8501	-797.69248	3752.502	-939.5451	-1039.9330	2903.569
## 41	3000.5314	-486.47768	3325.534	-554.1866	-732.4867	7252.651
## 43	2296.4530	-42.59582	6511.373	-1006.8482	-768.9431	4153.376
## 44	13672.7077	-485.61987	5041.355	-826.5106	-751.5146	7904.837
## 45	3498.8886	-541.43787	3622.138	-1245.0776	-855.1626	10277.584

##	46	8062.2931	-450.09886	6233.389	-1106.9748	-717.7983	6314.373
##	70	4881.1248	-393.92320	4229.607	-939.8502	-697.2160	2737.856
##	72	9217.2573	-966.72440	4487.169	-1443.8824	-837.6382	4736.121
##	68	5110.1098	-1040.44142	9057.023	-1865.1695	-1062.2596	10110.842
##		M24486_s_at	M24736_s_at	M24748_cds2_s_at	M24766_s_at	M54915_s_at	X12876_s_at
##	39	-610.13194	-391.2694	-655.1919	-779.6431	6983.53855	-444.9122
##	40	-1199.34844	-441.5893	-823.9237	-314.9122	2670.06004	-137.5643
##	42	-659.04638	-650.1162	-1069.8323	-2427.2119	8302.33799	-703.6970
##	47	-214.61246	-571.8721	-334.4251	-639.4028	1107.68377	-872.4930
##	48	-23.61035	-851.0788	-1319.2517	-2142.3650	3434.33663	-1129.8050
##	49	-1214.52083	-413.5993	-821.6983	-2107.1009	2785.72188	-928.6333
##	41	-515.81821	-682.8335	-583.5271	-1490.8266	-28.31403	-694.1184
##	43	-278.39553	-259.4473	-802.6288	-1573.1886	4344.96298	-356.2936
##	44	-446.98559	-481.0747	-890.1435	-1749.1881	2598.30477	-974.2299
##	45	-120.15036	-415.9480	-857.4035	-1527.4299	1710.65759	-1034.4339
##	46	-301.62691	-623.3161	-717.7983	-1685.1156	1387.80396	-877.5181
##	70	-481.54111	-510.7471	-690.4761	-1737.3979	1174.21286	-1083.6335
##	72	-816.89216	-607.1270	-1063.5391	-1469.2387	3585.87039	-929.8426
##	68	-700.07746	-885.5322	-885.5322	-2620.0793	-285.53162	-1158.2597
##		X72632_s_at	U16799_s_at	M31776_s_at	S66541_s_at	M26041_s_at	Z80345_rna1_s_at
##	39	484.18056	-788.2259	447.703481	-1798.8557	1979.7410	93.66120
##	40	263.19584	-665.0016	-333.337967	-2235.7971	1133.8127	-793.98183
##	42	696.10069	-989.4611	115.642306	-2157.0755	1430.6038	-871.13694
##	47	-948.73739	-857.2441	5.407178	-1101.2262	741.7105	-321.35466
##	48	163.65882	-1249.5701	-685.585087	-2283.9057	999.8374	-981.73168
##	49	415.69265	-1070.4859	415.692651	-2275.1416	4712.7346	-16.41213
##	41	-59.91153	-560.9575	-678.319606	-1215.4770	391.4812	-739.25763
##	43	60.56655	-819.4716	-335.240100	-1122.6427	1182.7205	-819.47164
##	44	71.16829	-749.2420	-503.800713	-1058.3163	459.7837	-867.41747
##	45	375.08655	-653.4824	-261.326491	-740.8772	877.0461	-1007.54319
##	46	218.02493	-688.5538	-360.115861	-1214.9544	1803.9753	-238.63881
##	70	259.84126	-697.2160	-609.598071	-762.3678	875.4133	-405.15626
##	72	480.88549	-1547.6124	195.051691	-1833.4462	5088.8029	-505.70214
##	68	22.10503	-1075.3505	-154.622404	-2164.0788	975.5605	-1249.89616
##		M26657_s_at	M27093_s_at	M27504_s_at	M27533_s_at	X60003_s_at	M28213_s_at
##	39	-1949.055	-758.1860	-108.03561	-938.4257	492.76341	-303.29530
##	40	-1890.314	-413.9506	-552.14380	-632.7565	546.49182	-381.70557
##	42	-3125.994	-565.2800	-306.30629	-962.6708	220.57132	-183.51701
##	47	-1617.510	-706.9336	-589.29936	-831.1031	173.14492	-595.83460
##	48	-3128.794	-1101.4968	-422.10172	-922.9379	150.59353	-110.71229
##	49	-3161.175	-424.5111	-631.83408	-317.5761	247.65190	-509.62263
##	41	-2052.811	-583.5271	-378.14342	-915.3008	109.36076	-84.73813
##	43	-3137.467	-305.7651	85.83080	-432.0864	561.64092	-51.01724
##	44	-1415.115	-792.4215	934.75810	-696.9721	414.33161	300.70137
##	45	-1500.539	-830.5128	453.51774	-525.7516	348.19586	-34.99650
##	46	-1939.318	-558.0785	634.19631	-479.3433	-22.67960	-438.85099
##	70	-1789.070	-593.8718	12.71380	-443.3487	266.58110	-297.31883
##	72	-2384.368	-733.9082	-427.32836	-1058.9288	-127.66389	190.44147
##	68	-2788.079	-837.5321	-58.62231	-763.3502	-34.62229	-141.53148
##		S72493_s_at	M29277_at	M29277_s_at	M28882_s_at	U20734_s_at	M29335_at
##	39	1587.07591	1155.78804	-929.8428	539.96904	5693.9664	-1202.3481
##	40	532.67250	2059.70692	-411.6474	3409.39344	-363.2798	-75.3774
##	42	508.56798	1580.18345	-386.6774	-80.82053	2236.5479	-1386.8519
##	47	1515.04686	127.39826	-489.0924	-205.89881	678.5366	-1449.7722

## 48	-41.03074	882.24982	-892.4522	-424.27927	-141.1980	-2268.6628
## 49	3800.51341	2914.48038	-1164.3268	-66.60612	1882.2301	-1733.9195
## 41	1100.16787	772.90812	-1050.7186	-154.70400	960.2361	-1012.3502
## 43	1875.38214	875.33874	-465.7721	14.24875	2700.6811	-1057.3767
## 44	-12.91809	-69.73321	-612.8857	-94.73186	-485.6199	-1140.1300
## 45	962.20000	883.76881	-720.7091	-368.88926	9249.0149	-1260.7639
## 46	746.67507	1540.77506	-693.0530	143.78895	8480.7141	-1102.4756
## 70	895.63282	1187.69254	-470.3080	37.42655	9066.5653	-1198.2107
## 72	824.34707	683.73528	-690.1110	-487.26125	2797.5223	-1930.2609
## 68	316.65077	1219.92434	-920.4413	-381.53171	3982.1088	-2260.0789
##	M29335_s_at	Z47055_s_at	M29932_s_at	M29994_s_at	M33493_s_at	M31516_s_at
## 39	-1146.5596	316.8151	1312.42493	203.092450	-507.1378	-339.7724
## 40	-464.6215	640.9238	991.01315	-121.441789	-149.0804	-360.9766
## 42	-967.1358	615.7295	276.38463	202.711063	-703.6970	122.3399
## 47	-948.7374	600.1137	613.18419	5.407178	-242.9318	-467.3083
## 48	-1162.4682	812.5683	553.44000	-487.428175	-875.0318	-846.7237
## 49	-965.7332	647.0215	1417.39009	502.986546	-629.6517	-439.7875
## 41	-800.1957	840.6170	416.30784	-285.607905	-838.5640	-558.7005
## 43	-808.9449	292.1555	414.26611	241.627036	-371.0311	-415.2436
## 44	-1031.0450	966.5746	796.12921	-26.553715	-724.2434	-508.3459
## 45	-888.7760	865.8417	829.98743	-102.223230	-487.6565	-644.5189
## 46	-461.3467	373.2456	548.71246	-96.915580	-105.9139	-389.3603
## 70	-587.1319	277.8142	538.42131	-32.218461	-313.0451	-528.7200
## 72	-1045.0982	319.5277	695.26084	-418.107911	-263.6655	153.5597
## 68	-1040.4414	1429.3791	-60.80413	-479.713619	-451.3500	-621.5319
##	M30257_s_at	M30448_s_at	X57152_rna1_s_at	M30625_s_at	M30703_s_at	
## 39	-329.0438	2990.371	2906.688	-779.6431	-717.4175	
## 40	-347.1573	6412.791	3803.244	-2125.2426	-759.4335	
## 42	-659.0464	4515.963	5004.888	-263.8882	-726.0223	
## 47	397.5214	4092.109	2591.183	-826.7463	-489.0924	
## 48	-729.1361	5677.212	5592.287	-1208.1967	-1001.3296	
## 49	-293.5702	4422.482	2275.053	-1242.8913	-572.9107	
## 41	-461.6511	6780.946	4943.777	-813.7374	-671.5487	
## 43	-356.2936	4437.599	4315.488	-491.0363	-436.2971	
## 44	-465.1664	3877.781	5575.417	-710.6077	-1262.8507	
## 45	-406.9844	5786.838	3438.385	-610.9055	-1343.6768	
## 46	-432.1023	4044.552	4681.182	-1025.9901	-519.8357	
## 70	-369.2105	4474.488	3189.425	-418.6359	-578.1455	
## 72	-579.4657	6386.581	3459.089	-1155.7435	-648.6190	
## 68	-905.1686	8965.386	6264.293	-1223.7143	-453.5318	
##	M74587_rna1_s_at	X97748_s_at	M31169_s_at	M31211_s_at	M31241_s_at	M65214_s_at
## 39	-294.7125	-320.46098	-659.48329	389.76929	-648.7547	1928.2439
## 40	-344.8541	-1871.88848	290.83447	-17.79692	-453.1054	2234.7516
## 42	-335.3292	-275.05083	381.31364	79.92179	-516.1643	716.1935
## 47	-164.5090	-626.33237	192.75063	438.91121	-558.8016	1003.1200
## 48	-613.7260	-1460.79234	-169.50610	1054.27615	-909.8726	3164.3206
## 49	-110.2531	-97.15898	-433.24047	83.97585	-531.4461	4957.1575
## 41	-339.7750	-646.72211	-84.73813	734.53973	-391.6852	1752.4304
## 43	-112.0725	-324.71333	-208.91883	125.83254	-385.7686	3222.8090
## 44	-467.4390	-576.52406	-210.63470	1025.66229	-465.1664	2250.5962
## 45	-527.9925	-400.26173	171.16547	478.16754	-666.9278	1385.7284
## 46	-414.1057	-321.87309	121.29320	456.47988	-373.6133	1279.8244
## 70	-389.4300	-638.80404	12.71380	232.88190	-400.6630	3787.0241
## 72	-436.5488	-1379.33932	-644.00882	333.35837	-648.6190	2216.6343

## 68	-497.1682	-1402.62358	124.65059	281.74164	-933.5322	2042.4706
##	M33684_s_at	U05681_s_at	M31774_s_at	X68090_s_at	X51435_s_at	X54199_s_at
## 39	181.63534	2342.3661	-1052.1484	-726.0003	-350.5009337	-644.4633
## 40	168.76385	3020.1494	-388.6152	-876.8977	742.2654592	-384.0088
## 42	-134.40130	1935.1561	-741.6501	-663.5114	-0.4493699	-1118.9480
## 47	-238.57499	587.0432	-1001.0193	-693.8632	-81.7293121	-360.5661
## 48	-84.58171	1272.0310	-898.9848	-1118.9172	-578.8852112	-676.8749
## 49	282.56946	3239.6501	-476.8874	-1151.2328	708.1271974	-769.3220
## 41	66.47845	709.7131	-682.8335	-479.7068	-360.0877103	-441.3384
## 43	165.83427	1096.4010	-507.8792	-611.0415	191.0985277	-253.1313
## 44	-69.73321	1239.2871	-1360.5727	-910.5970	-108.3674858	-528.7994
## 45	-216.50867	677.6068	-1874.7680	-1206.9825	-306.1443113	-498.8609
## 46	-24.92918	838.9076	-603.0700	-346.6184	-22.6796032	-339.8697
## 70	125.04447	2879.3923	-463.5682	-438.8555	138.5241475	-526.4734
## 72	-86.17189	1688.7638	-653.2293	-1012.8266	-42.3747719	-1072.7595
## 68	-416.44083	1071.5606	-839.7140	-994.6232	-521.1682033	-898.6231
##	M65292_s_at	M32879_at	M32879_s_at	M58286_s_at	M86873_s_at	M34338_s_at
## 39	-562.92630	-20.06147	649.40030	-974.9028	-620.8605	1499.1018
## 40	97.36405	-5980.83176	-114.53213	-222.7834	-1091.0971	1324.9799
## 42	-618.86080	-3554.64068	-254.95804	-2007.4958	-857.7417	410.3366
## 47	-64.30201	-81.72931	142.64715	247.2109	-656.8301	1048.8666
## 48	-1075.36626	-2290.43832	-267.49578	914.9130	-1108.0295	1265.4983
## 49	-677.66338	-2768.35215	788.87405	-4636.4415	-1022.4743	2179.0293
## 41	-662.52086	-278.83701	-597.06891	-454.8802	-373.6295	1583.1581
## 43	-585.77729	-1533.18682	-596.30406	-349.9776	-718.4146	727.9639
## 44	-410.62392	-315.17452	91.62173	-185.6360	-1351.4823	105.2574
## 45	-375.61193	-346.48035	103.93874	-814.8266	-1020.9885	1152.6757
## 46	-666.05807	-33.92748	-238.63881	-1406.1683	-666.0581	523.9671
## 70	-488.28095	455.29662	-229.92043	-1580.1350	-703.9558	1212.4053
## 72	-837.63817	-1201.84575	-1017.43685	-2107.7545	-952.8937	199.6619
## 68	-1012.07776	-2425.89727	-571.35007	-630.2592	-1062.2596	2164.6525
##	U22178_s_at	M34376_s_at	M35093_s_at	S37730_s_at	U50648_s_at	M36118_s_at
## 39	-532.8864	-710.9803	-3923.109	333.9808	2462.5259	-588.6748
## 40	-296.4865	-455.4086	-3746.709	-1521.7991	1804.0496	-658.0919
## 42	-170.1218	-813.0911	-2480.793	-2159.3080	3060.3523	-987.2286
## 47	-279.9648	-412.8480	-1732.966	-757.0371	8198.4156	-181.9363
## 48	-687.7626	-973.0215	-3869.161	-1491.2780	1572.5327	-916.4052
## 49	-548.9049	-1188.3327	-5666.509	-2087.4598	3811.4251	-404.8700
## 41	-567.7284	-757.3133	-1996.386	-1028.1490	1908.1609	-423.2827
## 43	-870.0001	-676.3075	-1876.360	-910.0019	1536.4201	-375.2418
## 44	-478.8021	-556.0706	-1783.277	-974.2299	580.2318	-626.5214
## 45	-368.8893	-424.9115	-2553.758	-245.6403	2927.4614	-359.9257
## 46	-645.8119	-544.5810	-1860.582	-760.5402	3977.0648	-486.0921
## 70	-268.1129	-569.1590	-1750.878	-730.9152	1122.5408	-425.3758
## 72	-459.5999	-881.4353	-3248.785	-1635.2067	3048.7795	-540.2788
## 68	-695.7138	-988.0777	-2886.261	-1605.5329	2777.7440	-586.6228
##	X13955_s_at	M36284_s_at	M36542_s_at	X13810_s_at	M36653_s_at	Z38133_s_at
## 39	-798.9545	539.96904	-1820.31283	-1208.7853	-1099.3540	-500.7007
## 40	-651.1822	4033.56588	-1388.21242	1143.0256	-1814.3080	-688.0337
## 42	597.8693	6826.63419	1517.67255	-1817.7306	-973.8334	-525.0944
## 47	-476.0219	1565.15034	-844.17360	-314.8194	-913.8828	-922.5964
## 48	-1005.6847	87.44462	1324.29216	-258.7856	-1073.1887	-883.7420
## 49	-762.7749	2709.33973	2072.09430	363.3163	-791.1454	-548.9049
## 41	-752.7994	28.11006	939.92344	222.2089	-1127.4554	-642.2082

## 43	637.4337	4294.43447	1035.34569	-213.1295	-1558.4511	-682.6236
## 44	-592.4323	468.87412	952.93893	-301.5389	-681.0639	-610.6131
## 45	-691.5776	88.25250	-57.40541	-34.9965	-812.5857	-469.7294
## 46	-672.8068	384.49348	935.63937	685.9365	-796.5334	-663.8085
## 70	-555.6794	1789.78490	1138.26705	1030.4296	-849.9857	-535.4598
## 72	-860.6893	1488.21912	-1367.81376	-989.7755	-657.8395	-759.2644
## 68	-1099.3506	24.28685	2411.19819	-484.0773	-1142.9870	-1033.8960
##	M57731_s_at	X53800_s_at	M37238_s_at	M37457_at	M37457_s_at	M86383_s_at
## 39	-659.48329	-758.1860	385.47787	2430.3403	-1219.5138	-989.9227
## 40	-978.23938	-411.6474	583.34333	2372.9447	-3590.0901	-1367.4834
## 42	-703.69702	-578.6752	-94.21572	2406.2204	-1489.5484	-931.4153
## 47	-81.72931	-471.6651	72.93796	663.2877	-558.8016	-898.6339
## 48	-676.87489	-783.5748	1006.37008	1849.0813	-2442.8667	-1275.7007
## 49	-631.83408	-354.6760	1764.38332	6801.2410	-1111.9505	-908.9922
## 41	-757.31334	-700.8892	1088.88305	1675.6936	-574.4993	-768.5982
## 43	-600.51477	-537.3541	807.96740	1953.2803	-632.0951	-451.0346
## 44	-524.25416	-508.3459	259.79448	762.0401	-983.3203	-717.4256
## 45	-682.61400	-649.0006	-117.90947	484.8902	-1117.3469	-635.5553
## 46	-609.81869	-531.0836	782.66827	764.6717	-499.5895	-744.7932
## 70	-717.43551	-510.7471	583.35357	2396.3705	-227.6738	-659.0236
## 72	-862.99439	-690.1110	-44.67988	1651.8820	-998.9960	-929.8426
## 68	-1588.07830	-787.3503	897.01495	8147.2036	-765.5321	-1138.6233
##	M38449_s_at	M55409_s_at	M86933_at	M86933_s_at	M55513_s_at	M60450_s_at
## 39	840.36856	18038.24	-489.9721	12.12419	-241.0697	-779.6431
## 40	2849.71115	27194.74	-614.3307	-68.46774	1274.3091	-800.8915
## 42	696.10069	18839.89	-940.3454	1281.02413	-596.5355	-728.2549
## 47	1793.88363	25048.43	-669.9006	109.97097	-563.1584	-563.1584
## 48	945.39872	33719.68	-1079.7214	-631.14637	-191.2816	-866.3216
## 49	2261.95852	20083.01	-725.6750	-249.92329	86.1582	-1443.6673
## 41	233.49377	30363.96	-608.3537	-172.75971	-165.9888	-795.6817
## 43	-461.56137	23606.85	-693.1504	-177.33851	1572.2111	-575.2505
## 44	218.88760	23233.56	-710.6077	448.42068	-531.0720	-1056.0437
## 45	18.78488	28406.39	-371.1302	-156.00461	-223.2313	-1285.4137
## 46	1959.19602	19028.97	-578.3246	-391.60991	209.0266	-756.0411
## 70	882.15314	22220.49	-627.5710	-160.27542	-326.5248	-663.5168
## 72	1541.23668	25899.35	-782.3155	-330.51368	-411.1926	-745.4337
## 68	3705.01759	29662.13	-804.8048	-695.71382	-152.4406	-878.9867
##	X54993_s_at	M55682_s_at	M55998_s_at	M57466_s_at	U16720_rna1_s_at	M57703_s_at
## 39	-397.70657	-1352.5479	316.81512	6247.560	-371.95804	-726.0003
## 40	-351.76372	-1657.6891	422.11797	10429.606	-333.33797	-390.9185
## 42	-379.97985	-1295.3181	-203.60980	3774.763	124.57244	-505.0017
## 47	-425.91845	-1312.5322	-27.26901	3534.435	55.51066	-293.0353
## 48	30.82836	-2214.2241	-199.99178	2870.352	-509.20366	-920.7603
## 49	-278.29381	-950.4568	688.48607	2648.234	306.57528	-391.7759
## 41	-41.85581	-994.2945	-116.33562	10550.075	-441.33841	-671.5487
## 43	-219.44560	-1491.0797	262.68058	3100.698	-575.25051	-309.9758
## 44	-381.08006	-1419.6604	-76.55102	18049.744	-194.72647	-528.7994
## 45	-1254.04120	-929.1120	-91.01878	8933.049	-469.72935	-628.8326
## 46	-373.61331	-560.3280	101.04702	8678.677	-479.34334	-483.8425
## 70	-310.79851	-946.5901	378.91177	4301.499	-59.17782	-551.1861
## 72	-574.85548	-1934.8711	-88.47700	10743.241	-208.34278	-602.5168
## 68	-678.25926	-2364.8063	-436.07721	9657.023	-566.98643	-806.9867
##	M65134_s_at	X13461_s_at	M58525_s_at	M59216_s_at	X52282_s_at	M60284_s_at
## 39	-423.4551	572.1547	218.11243	-273.255345	-743.1660	1093.56243

## 40	-529.1116	919.6133	1792.53347	-3.977603	-462.3182	647.83347
## 42	-578.6752	401.4064	1153.76979	-547.419766	-547.4198	1660.55461
## 47	-380.1718	325.6338	678.53656	-558.801593	-497.8061	621.89784
## 48	-866.3216	568.6828	1892.63231	-933.825613	-879.3869	679.73781
## 49	-537.9931	1308.2727	1543.96624	-383.046482	-616.5576	871.80325
## 41	-565.4714	-389.4282	2226.39280	-597.068909	-653.4930	-105.05080
## 43	-457.3507	-331.0294	1066.92600	-636.305795	-636.3058	136.35931
## 44	-640.1570	662.0455	1357.46258	-410.623918	-749.2420	-15.19069
## 45	-581.7739	121.8659	3617.65583	-440.597771	-521.2698	-675.89133
## 46	-405.1074	503.7210	1624.00934	-686.304244	-418.6048	348.50028
## 70	-432.1156	286.8006	819.24797	-324.278186	-425.3758	-268.11285
## 72	-740.8235	822.0420	19.86323	-796.146162	-602.5168	420.95260
## 68	-767.7139	-392.4408	4169.74530	-894.259463	-878.9867	-298.62254
##	M60483_rna1_s_at	X69950_s_at	M60784_s_at	S81661_s_at	M61826_s_at	
## 39	-108.03561	-1440.522016	1685.7786	-419.1637	89.36978	
## 40	-151.38364	-1302.993305	873.5490	-556.7502	-273.45426	
## 42	-49.56508	-424.630494	796.5646	-643.4187	1421.67366	
## 47	-35.98266	-665.543793	504.2636	-269.0728	-218.96928	
## 48	836.52130	-955.601098	880.0723	-996.9745	96.15482	
## 49	-413.59935	-354.675966	1574.5191	-513.9873	-332.85249	
## 41	258.32037	-105.050801	2858.3427	-646.7221	-533.87392	
## 43	363.73760	-21.542278	666.9086	-238.3938	1167.98302	
## 44	139.34643	-224.270328	2130.1482	-517.4363	-346.99098	
## 45	-133.59570	-120.150358	1361.0786	-711.7456	-716.22736	
## 46	-38.42663	-402.857788	1138.1011	-645.8119	-411.85609	
## 70	-164.76864	-7.505715	1437.0666	-569.1590	-236.66027	
## 72	231.93347	-1372.423984	1476.6936	-667.0599	-63.12077	
## 68	862.10582	-721.895665	2278.1072	-878.9867	-865.89580	
##	M61832_s_at	X65962_s_at	S82362_s_at	M62403_s_at	S38742_s_at	M62628_s_at
## 39	876.84564	1260.92787	-595.1120	-320.4610	-717.41748	752.39441
## 40	1453.96023	712.32361	-529.1116	2962.5689	-671.91121	792.93628
## 42	975.16721	557.68369	-585.3728	-170.1218	-1043.04192	-1051.97205
## 47	937.76762	301.67124	-356.2093	-201.5420	-360.56608	-513.05494
## 48	3024.95752	483.75845	-1068.8336	1350.4227	-1062.30097	-202.16932
## 49	2159.38819	2131.01768	-537.9931	1338.8256	68.69942	1661.81299
## 41	1684.72149	-172.75971	-732.4867	-639.9512	-502.27643	-430.05359
## 43	753.22818	18.45946	-177.3385	-339.4508	-284.71159	-1516.34398
## 44	34.80661	-108.36749	-821.9654	-610.6131	-731.06119	-369.71703
## 45	1208.69801	-243.39936	-651.2415	-371.1302	-929.11201	-514.54717
## 46	1234.83285	269.76515	-600.8204	458.7295	-555.82889	-252.13626
## 70	1792.03151	-20.98539	-497.2674	-227.6738	-555.67935	-1070.15379
## 72	1810.93470	748.27840	-888.3506	-224.4786	-584.07592	15.25301
## 68	2247.56167	-191.71335	-1003.3505	-953.1686	-462.25906	-355.34987
##	X53595_s_at	M73746_s_at	M63438_s_at	M92843_s_at	M63838_s_at	M64269_s_at
## 39	-159.5327	-700.2518	-1073.6055	2419.6117	421.9550	-196.00976
## 40	-635.0597	-598.2082	836.6975	815.9685	1396.3797	-229.69310
## 42	-596.5355	-703.6970	1412.7435	8029.9691	184.8508	-377.74732
## 47	-526.1254	-580.5857	62802.4969	1896.2690	1057.5803	-360.56608
## 48	-949.0685	-1108.0295	-374.1957	2905.1924	3549.7467	-681.22999
## 49	-751.8632	-957.0038	1980.4357	127.6228	891.4444	-228.09982
## 41	-664.7778	-795.6817	-380.4004	1646.3531	788.7069	-448.10930
## 43	-381.5579	-701.5718	11096.8349	1127.9813	1279.5668	-284.71159
## 44	-381.0801	-444.7130	3073.2792	155.2547	1780.1671	43.89703
## 45	-398.0208	-570.5694	487.1311	12991.3029	2721.2994	-321.83055

##	46	-571.5759	-643.5623	613.9501	6993.7450	706.1827	-339.86969
##	70	-317.5383	-685.9829	25599.3923	4407.0894	1306.7630	-357.97739
##	72	-750.0439	-985.1653	7536.8311	3362.2746	250.3744	-374.31080
##	68	-724.0775	-1020.8050	5437.3829	7793.7487	1429.3791	-272.44070
##		X51823_at	X51823_s_at	M81886_s_at	Z26491_s_at	M68907_s_at	S67247_s_at
##	39	-2740.823	-500.7007	-944.8628	306.0866	-751.7489	-438.47508
##	40	-4262.630	-683.4273	-1337.5416	3895.3727	-720.2788	25.96425
##	42	-1641.361	-777.3706	-1422.5724	1057.7709	-531.7920	-810.85857
##	47	-1765.642	-720.0041	-1205.7900	2188.1762	-608.9051	-739.60981
##	48	-2257.775	-1049.2357	-1593.6228	5228.6366	-768.3319	-792.28496
##	49	-3377.227	-625.2870	-1485.1319	2364.5288	-1111.9505	-435.42282
##	41	-1269.644	-608.3537	-856.6197	1470.3099	-777.6260	-874.67546
##	43	-1371.075	-758.4164	-971.0572	687.9622	-371.0311	-895.26440
##	44	-1880.999	-862.8723	-758.3324	896.1238	-590.1597	-517.43634
##	45	-1608.102	-716.2274	-1592.4157	1540.3499	-700.5411	-608.66460
##	46	-1316.185	-564.8272	-850.5232	679.1878	-589.5725	-585.07337
##	70	-1885.674	-654.5303	-901.6578	419.3508	-539.9531	-533.21322
##	72	-2052.432	-800.7564	-1201.8457	706.7864	-833.0279	-798.45127
##	68	-1568.442	-929.1686	-1568.4419	3670.1085	-765.5321	-1461.53272
##		M72885_rna1_s_at	M73239_s_at	M74088_s_at	X63131_s_at	M74715_s_at	U04285_s_at
##	39	-1296.7594	-717.4175	-610.1319	-809.6830	173.0525	-474.952160
##	40	-817.0140	-508.3826	-648.8790	-881.5042	670.8657	-333.337967
##	42	-674.6741	-708.1621	-851.0441	229.5014	-109.8434	175.920676
##	47	-1127.3672	-730.8962	-730.8962	-497.8061	878.9505	-256.002292
##	48	-1125.4499	-951.2460	-868.4992	-1033.9928	912.7355	259.470953
##	49	-1421.8438	-751.8632	-913.3569	-1880.1368	666.6626	-710.398586
##	41	-858.8767	-653.4930	-323.9763	-788.9108	416.3078	-84.738127
##	43	-446.8239	-526.8274	-686.8343	-1006.8482	536.3767	-86.808268
##	44	-556.0706	-696.9721	-596.9775	-619.7036	314.3370	-451.530803
##	45	-888.7760	-682.6140	-424.9115	-624.3508	1215.4207	-82.055211
##	46	-803.2821	-560.3280	-659.3093	-704.3008	665.6904	-258.884984
##	70	-268.1129	-510.7471	-551.1861	-771.3542	545.1611	-407.402877
##	72	-1063.5391	-694.7213	-699.3315	-551.8044	704.4813	-7.798103
##	68	-241.8952	-865.8958	-686.9865	-730.6229	1281.0153	229.377956
##		Z31690_s_at	M75715_s_at	M76732_s_at	X74929_s_at	M77348_rna1_s_at	X90824_s_at
##	39	-670.211842	-382.68660	-1140.1225	-1110.0826	499.200540	2269.41194
##	40	-3.977603	-229.69310	-547.5374	-1098.0068	-1005.878012	491.21455
##	42	-239.330319	17.41089	-1947.2175	-801.9284	-1360.061498	1718.60045
##	47	-584.942540	-467.30828	-785.3565	-811.4974	9.764002	1987.76232
##	48	-949.068453	-618.08108	-2068.3284	-996.9745	-2016.067207	1681.41011
##	49	-398.322914	-363.40536	-2403.9001	-1002.8331	-640.563470	3540.81407
##	41	-364.601638	-421.02573	-1062.0035	-1159.0529	-427.796624	1375.51745
##	43	-234.183084	-389.97932	-1263.7014	-1168.9605	-802.628802	530.06060
##	44	-735.606398	-342.44578	-665.1557	-1190.1273	-528.799365	1152.92815
##	45	-678.132217	-279.25362	-395.7800	-953.7618	-888.775971	86.01161
##	46	-171.151557	-267.88328	-1007.9935	-1136.2193	-333.120961	584.70566
##	70	-319.784959	-313.04512	-641.0507	-495.0208	-548.939513	1504.46502
##	72	-717.772378	667.59950	-1658.2578	-392.7517	-814.587052	1854.73182
##	68	-357.531686	-619.35011	-2290.6244	-1932.8059	-2046.260545	2232.28893
##		M77829_s_at	M80397_s_at	X62083_s_at	M81181_s_at	X58528_s_at	M81182_s_at
##	39	-1644.3645	155.88681	4833.536	591.46610	-638.0262	-820.4116
##	40	-2740.2022	-390.91845	2303.848	-63.86131	-158.2933	-508.3826
##	42	-1362.2940	-1708.33653	4196.711	-136.63384	-516.1643	-788.5332
##	47	-872.4930	325.63378	3442.942	-131.83279	-351.8524	-748.3235

## 48	-2070.5059	557.79509	6927.124	96.15482	-605.0158	-1016.5725
## 49	-2408.2648	753.95649	7593.433	823.79161	-417.9640	-738.7691
## 41	-971.7249	802.24865	2971.191	-603.83980	-360.0877	-430.0536
## 43	-1522.6600	-57.33330	2650.153	-46.80653	-472.0881	-651.0433
## 44	-965.1395	866.57995	2736.934	-315.17452	-301.5389	-592.4323
## 45	-700.5411	146.51567	3377.880	-272.53095	-590.7375	-660.2051
## 46	-1190.2091	26.81105	4249.263	-454.59801	-630.0649	-551.3297
## 70	-1238.6498	-274.85269	4667.696	68.87914	-495.0208	-602.8582
## 72	-1711.2753	-219.86834	6481.090	280.34081	-549.4993	-846.8586
## 68	-1854.2604	-359.71351	5391.565	-1300.07803	-634.6229	-1020.8050
##	M81695_s_at	M81778_s_at	X80763_s_at	M83652_s_at	X62534_s_at	M83667_rna1_s_at
## 39	213.82100	-438.4751	524.949069	-339.77238	3099.8020	-919.1143
## 40	1251.27693	-618.9372	901.187593	1776.41094	956.4649	-978.2394
## 42	995.26000	-623.3259	8.480759	-714.85968	5366.5581	-958.2057
## 47	-279.96483	-639.4028	155.717622	-86.08614	3662.9613	-476.0219
## 48	-546.22198	-933.8256	-184.748937	-646.38921	13494.6106	-1465.1474
## 49	350.22223	-708.2162	465.886641	-1565.87875	987.4677	-1705.5490
## 41	-215.64203	-540.6448	-120.849548	-1195.16432	4952.8051	-777.6260
## 43	-82.59756	-541.5648	-72.070786	-632.09509	3961.7885	119.5165
## 44	-296.99368	-758.3324	16.625776	-990.13813	6216.2915	-715.1530
## 45	-247.88115	-1278.6910	-245.640254	-460.76579	4269.7551	10293.2701
## 46	-213.89348	-596.3212	-90.166855	-373.61331	2037.9311	-877.5181
## 70	201.42932	-521.9802	-5.259102	-229.92043	1340.4622	-881.4383
## 72	22.16834	-706.2468	-70.036107	-1238.72753	5492.1974	-159.9354
## 68	-462.25906	-909.5322	-396.804450	-246.25885	2845.3804	-1238.9871
##	M83712_s_at	M84820_s_at	U84011_s_at	X15673_s_at	X62515_s_at	M87507_s_at
## 39	-444.9122	-470.66074	-350.5009	2129.9407	173.0525	-552.1977
## 40	-764.0400	-635.05970	-195.1448	2372.9447	-434.6796	-462.3182
## 42	-571.9776	-703.69702	-493.8390	702.7983	-578.6752	-813.0911
## 47	-802.7838	454.16010	-434.6321	164.4313	-876.8498	-301.7489
## 48	-927.2930	-345.88752	-851.0788	448.9177	-726.9585	-996.9745
## 49	-470.3404	-1135.95632	-324.1231	2914.4804	437.5161	-566.3637
## 41	-574.4993	-436.82448	-497.7625	258.3204	-800.1957	-662.5209
## 43	-585.7773	-465.77208	-411.0329	1087.9795	-914.2126	-465.7721
## 44	-349.2636	-33.37153	-433.3500	434.7851	-867.4175	-690.1543
## 45	-628.8326	-153.76372	-344.2395	135.3112	-577.2921	-440.5978
## 46	-490.5912	-132.90878	-686.3042	539.7142	-528.8340	-506.3382
## 70	-501.7606	-50.19137	-445.5953	255.3480	-557.9260	-400.6630
## 72	-770.7899	-457.29480	-632.4833	955.7384	-510.3124	-881.4353
## 68	-972.8050	-481.89544	-708.8047	257.7416	-606.2592	-863.7140
##	M91368_s_at	M91669_s_at	X03794_s_at	S54005_s_at	U33202_s_at	U33203_s_at
## 39	-350.5009	-335.4810	-470.6607	19430.81	-511.4292	-541.4692
## 40	-229.6931	-727.1885	-2139.0619	12357.40	-441.5893	-370.1895
## 42	-603.2331	-545.1872	-1556.5243	14330.18	-717.0922	-522.8619
## 47	-595.8346	-563.1584	-1251.5367	12374.43	-438.9889	-580.5857
## 48	-2009.5346	-994.7970	-1114.5621	17468.64	-733.4912	-881.5644
## 49	-3436.1504	-389.5935	-1723.0078	10587.61	-747.4985	-629.6517
## 41	-1328.3252	-479.7068	-964.9540	16842.49	-610.6107	-639.9512
## 43	-1552.1350	155.3075	-592.0934	10469.44	-575.2505	-501.5631
## 44	-815.1476	-199.2717	-1058.3163	16513.46	132.5286	-599.2501
## 45	-1361.6040	-402.5026	-1128.5513	15552.64	-534.7152	-628.8326
## 46	-1077.7303	-369.1142	-945.0054	14565.81	-544.5810	-636.8136
## 70	-1065.6606	-281.5925	-881.4383	12986.91	-555.6794	-519.7335
## 72	-1075.0646	-713.1622	-796.1462	24541.64	-270.5808	-401.9721

## 68	-2044.0787	-743.7139	-1559.7146	23470.13	-601.8956	-902.9867
##	S57132_s_at	X57348_s_at	X56088_s_at	X75091_s_at	M94172_s_at	Y10141_s_at
## 39	218.112426	-1534.9333	-614.4234	1353.1934	477.74343	-339.77238
## 40	113.486582	-729.4917	-635.0597	954.1616	433.63407	-397.82811
## 42	-272.818302	-728.2549	-770.6730	1604.7413	-29.47229	-1346.66630
## 47	251.567761	-1133.9024	-595.8346	811.4197	-105.69185	-242.93182
## 48	181.079208	-1358.4476	-946.8909	984.5946	-119.42248	677.56026
## 49	526.992367	-662.3869	-815.1513	900.1738	581.55105	941.63836
## 41	-152.447041	-994.2945	-624.1525	845.1310	-211.12810	244.77859
## 43	50.039775	-768.9431	-676.3075	490.0589	-385.76861	-676.30753
## 44	-165.182605	-696.9721	-524.2542	1402.9147	100.71215	-94.73186
## 45	-17.069372	-496.6200	-554.8832	-187.3771	-250.12204	-26.03294
## 46	-54.173654	-587.3229	-614.3178	179.7822	-96.91558	29.06062
## 70	-88.383793	-414.1427	-593.8718	983.2507	-18.73878	-140.05590
## 72	3.727454	-1045.0982	-916.0119	1656.4922	15.25301	-448.07436
## 68	-364.077147	-1415.7145	-988.0777	2302.1072	-385.89535	-525.53184
##	M95585_s_at	X68985_s_at	S49592_s_at	M96738_s_at	M97796_s_at	X14253_s_at
## 39	-408.4351	-86.57851	1368.2134	-1011.3799	5895.6632	-768.9145
## 40	-570.5696	560.31113	1094.6580	-1236.1999	1359.5282	-549.8406
## 42	-723.7898	-348.72440	1403.8134	-1212.7144	5000.4228	-587.6053
## 47	-534.8391	-288.67848	911.6267	-1179.6491	2109.7534	-517.4118
## 48	-992.6194	-694.29528	1230.6576	-1155.9356	-143.3755	-968.6664
## 49	-819.5160	306.57528	1818.9420	-1432.7556	1288.6316	-732.2221
## 41	-599.3259	-346.54593	788.7069	-1208.7061	208.6672	-484.2207
## 43	-537.3541	-436.29712	1279.5668	-1202.6462	2793.3167	-213.1295
## 44	-846.9640	-735.60640	880.2156	-976.5025	1318.8283	-396.9883
## 45	-826.0310	-541.43787	1098.8943	-2589.6122	14494.9407	-104.4641
## 46	-220.6422	-236.38923	139.2898	-785.2855	4782.4127	-479.3433
## 70	-692.7228	-164.76864	468.7763	-1038.7012	1785.2917	-247.8933
## 72	-798.4513	-180.68145	1670.3229	-648.6190	1598.8645	-724.6877
## 68	-1068.8051	-737.16841	277.3780	-1516.0782	1802.4703	-396.8045
##	X60299_s_at	X59303_s_at	M98399_s_at	S76978_s_at	S38953_s_at	X63741_s_at
## 39	-434.1837	679.44025	-444.9122	-809.6830	48.60127	-629.4433
## 40	-860.7752	-1171.70980	-395.5249	-727.1885	-282.66714	-738.7046
## 42	-596.5355	204.94360	825.5876	-866.6719	-219.23753	-266.1207
## 47	-493.4492	654.57403	1020.5473	-652.4733	-301.74895	-885.5634
## 48	-1007.8623	-19.25525	-692.1177	-1040.5255	-461.29759	-927.2930
## 49	-708.2162	729.95067	-660.2046	-769.3220	232.37547	-767.1396
## 41	-639.9512	-603.83980	-603.8398	-655.7500	-242.72559	-441.3384
## 43	-507.8792	-476.29885	130.0432	-562.6184	-86.80827	-552.0916
## 44	-537.8898	-47.00716	-510.6185	-744.6968	-410.62392	-885.5983
## 45	-469.7294	619.34367	-622.1099	-830.5128	-225.47224	-382.3346
## 46	-432.1023	-607.56912	-438.8510	-643.5623	-47.42493	-411.8561
## 70	-551.1861	-899.41118	-317.5383	-555.6794	-151.28896	-632.0642
## 72	-752.3490	-395.05680	-616.3475	-862.9944	-173.76612	-929.8426
## 68	-946.6231	54.83234	-968.4414	-1156.0779	-302.98618	-817.8958
##	X66142_s_at	X57809_at	X57809_s_at	S62028_s_at	S52969_cds1_s_at	X65784_s_at
## 39	617.21463	-648.7547	1323.15348	-485.68071	2001.19809	623.6518
## 40	866.63930	-1178.6195	88.15117	-453.10537	23.66103	1018.6518
## 42	653.68257	-1029.6467	622.42712	-545.18723	910.42378	233.9665
## 47	404.05662	-580.5857	11261.26324	-872.49296	695.96386	787.4572
## 48	429.31973	-1336.6721	-581.06276	-1018.75000	392.30141	1400.5064
## 49	2181.21166	-836.9747	2281.59964	-754.04553	1952.06519	583.7334
## 41	-165.98882	-813.7374	878.98542	-493.24857	16.82524	831.5892

## 43	216.36278	-813.1556	3399.65880	-415.24357	875.33874	464.7946
## 44	246.15886	-278.8128	1523.36273	-696.97212	805.21962	418.8768
## 45	-97.74145	-463.0067	1170.60286	-496.62005	527.46714	491.6129
## 46	-58.67280	-414.1057	793.91614	-99.16516	49.30680	595.9535
## 70	57.64607	-562.4192	394.63806	-389.42997	812.50813	367.6787
## 72	637.63306	-662.4497	5798.77723	-736.21327	566.17461	925.7720
## 68	187.92337	-1273.8962	3273.01718	-1153.89607	552.28735	739.9239
##	S56151_s_at	S57153_s_at	U95019_s_at	U12387_s_at	S62904_s_at	S68134_s_at
## 39	2155.6893	-773.2060	-625.1519	-196.0098	-1436.2306	-663.7747
## 40	1695.7983	-975.9362	-713.3692	-515.2923	-1673.8116	-713.3692
## 42	591.1717	-598.7680	-779.6031	-433.5606	-1344.4338	-761.7429
## 47	1314.6329	-785.3565	-839.8168	-513.0549	-458.5946	-822.3895
## 48	1511.5613	-1349.7374	-1175.5335	-513.5588	-1308.3640	-1040.5255
## 49	3115.2563	-590.3695	-740.9514	121.0758	-1945.6072	-799.8748
## 41	1170.1337	-547.4157	-621.8955	-299.1497	-899.5021	-574.4993
## 43	2650.1526	-737.3628	-848.9466	-238.3938	-1137.3802	-718.4146
## 44	1266.5584	-610.6131	-460.6212	-508.3459	-819.6928	-671.9735
## 45	1614.2993	-501.1018	-606.4237	-653.4824	-799.1403	-673.6504
## 46	1329.3150	-544.5810	-425.3535	-164.4028	-479.3433	-627.8153
## 70	1531.4244	-463.5682	-425.3758	-357.9774	-685.9829	-389.4300
## 72	1691.0689	-837.6382	-828.4177	-540.2788	-1130.3873	-846.8586
## 68	2171.1980	-994.6232	-898.6231	-940.0777	-1180.0779	-979.3505
##	X86401_s_at	S69272_s_at	S69370_s_at	X51362_s_at	S72024_s_at	S72503_s_at
## 39	-726.0003	-391.2694	-459.9322	306.08657	975.548335	3284.3331
## 40	-694.9434	2117.2874	-665.0016	-245.81563	1787.927035	1617.4888
## 42	-500.5366	745.2164	-1096.6227	19.64342	1339.069968	1825.7620
## 47	-580.5857	2345.0219	-669.9006	-27.26901	1286.313577	1066.2939
## 48	-781.3972	2201.8442	-1014.3949	-123.77758	6.875329	1796.8202
## 49	-505.2579	398.2339	-655.8399	-1611.70805	1244.984648	5144.8394
## 41	-615.1246	-323.9763	-635.4373	-10.25832	1547.046700	258.3204
## 43	-672.0968	367.9483	-863.6841	-436.29712	2205.922795	1041.6618
## 44	-778.7859	843.8539	-708.3351	168.89029	850.671720	1384.7338
## 45	-689.3367	1562.7588	-940.3165	171.16547	249.596657	1022.7041
## 46	-650.3110	1664.5017	-693.0530	130.29150	825.410193	1579.0178
## 70	-672.5032	-229.9204	-614.0913	127.29108	576.613735	1569.6168
## 72	-669.3650	324.1379	-641.7037	271.12036	1785.578477	2237.3803
## 68	-765.5321	731.1966	-1068.8051	-167.71333	3465.017360	-580.0773
##	U24056_s_at	S73885_s_at	U31929_s_at	U15641_s_at	S75256_s_at	U33052_s_at
## 39	1084.97959	-648.7547	228.840980	-459.9322	-919.1143	-277.5468
## 40	1520.75359	-872.2913	1391.773310	-1208.5613	-1217.7742	788.3298
## 42	131.27003	702.7983	-98.680788	-761.7429	437.1269	-433.5606
## 47	81.65161	966.0870	197.107455	-539.1959	-1035.8739	-247.2886
## 48	85.26707	429.3197	-176.038743	-650.7443	-1240.8599	-234.8326
## 49	823.79161	1389.0196	57.787684	-2041.6305	-184.4529	-450.6993
## 41	-240.46863	809.0195	-310.434507	-849.8489	-721.2019	-278.8370
## 43	216.36278	342.6841	-632.095086	-457.3507	5003.9389	-133.1261
## 44	566.59613	980.2102	9.807961	-1219.6712	-1246.9425	-342.4458
## 45	130.82943	366.1230	-21.551154	-1513.9846	-2159.3612	-597.4601
## 46	110.04533	247.2694	-272.382434	-1397.1700	-567.0768	-373.6133
## 70	381.15838	266.5811	-135.562671	-1002.7554	-456.8284	-470.3080
## 72	-164.54567	347.1890	-242.919454	-708.5519	-630.1781	-143.7997
## 68	-182.98607	-278.9862	-340.077124	-1505.1691	-730.6229	-861.5322
##	S75881_s_at	S76473_s_at	U05012_s_at	U20816_s_at	S76756_s_at	S77154_s_at
## 39	-923.4057	-423.4551	-700.2518	-1509.1848	-262.52679	-485.68071

## 40	-665.0016	-252.7253	-904.5364	-1319.1158	-245.81563	-395.52489
## 42	-1192.6216	-525.0944	-1241.7373	-1078.7624	-659.04638	4739.21656
## 47	-926.9533	-489.0924	-613.2619	-1380.0630	-201.54199	-251.64547
## 48	-1354.0925	-818.4155	-1260.4579	-1918.0775	-1044.88059	-922.93787
## 49	-834.7924	-228.0998	-1472.0378	-1764.4724	-321.94076	-245.55860
## 41	-795.6817	-490.9916	-849.8489	-1601.4178	-409.74091	-802.45262
## 43	-762.6271	-375.2418	-566.8291	-1133.1695	-67.86008	-375.24184
## 44	-981.0477	-606.0679	-1465.1125	-1908.2704	-474.25685	-562.88844
## 45	-1184.5736	-389.0573	-1267.4866	-2941.4321	-254.60382	531.94892
## 46	-634.5640	-418.6048	-821.2787	-886.5164	-479.34334	712.93144
## 70	-739.9016	-344.4977	-600.6116	-1184.7311	-288.33237	-425.37578
## 72	-927.5375	-441.1590	-927.5375	-1296.3553	-1128.08219	-58.51055
## 68	-1308.8053	-793.8957	-1127.7142	-1430.9872	-756.80479	-776.44117
##	U00001_s_at	S78798_s_at	S78873_s_at	S79219_s_at	S79873_s_at	S80437_s_at
## 39	-638.0262	-123.055590	-835.43157	763.12297	-507.1378	177.343921
## 40	-612.0275	-381.705573	-777.85930	127.30590	-370.1895	1115.386991
## 42	-667.9765	430.429351	381.31364	-480.44380	-393.3750	-56.262676
## 47	-484.7356	-269.072765	18.47765	-321.35466	147.0040	430.197565
## 48	-922.9379	-713.893217	-605.01579	-58.45112	252.9383	538.197158
## 49	-651.4752	-280.476156	-2006.71292	-103.70602	-586.0048	710.309545
## 41	-757.3133	-579.013199	-389.42824	-452.62323	-296.8927	328.286248
## 43	-415.2436	165.834274	90.04151	-314.18656	-118.3886	332.157280
## 44	-374.2622	-140.183952	-203.81689	1109.74866	-542.4350	-131.093533
## 45	-346.4803	3.098647	-131.35481	-52.92363	-483.1747	-8.105808
## 46	-477.0938	-542.331441	-603.06997	-414.10566	-389.3603	285.512179
## 70	-432.1156	-452.335142	-575.89887	-279.34592	-411.8961	109.318175
## 72	-726.9928	-307.462570	-346.64946	388.68104	-201.4275	1730.255807
## 68	-837.5321	-54.258674	-628.07739	-684.80472	94.1051	770.469374
##	X58199_s_at	S81243_s_at	S81264_s_at	S81737_s_at	S82471_s_at	S82597_rna1_s_at
## 39	93.66120	-39.37287	250.29809	-886.9286	-376.2495	48.60127
## 40	640.92381	-655.78867	1711.92080	-1261.5354	-172.1126	-706.45950
## 42	720.65854	-918.02012	-94.21572	-967.1358	-393.3750	-129.93624
## 47	-279.96483	-421.56162	371.38043	-1088.1558	-393.2423	-181.93628
## 48	-435.16701	466.33806	-206.52442	-1306.1864	-535.3342	-459.12004
## 49	300.02824	99.25228	673.20964	-1083.5800	-745.3161	-638.38112
## 41	-274.32309	-353.31682	-186.30150	-1244.8175	-409.7409	-197.58632
## 43	-168.91709	1127.98129	85.83080	-1728.9848	-400.5061	-36.27976
## 44	-56.09758	-708.33514	-90.18665	-556.0706	-349.2636	-258.35940
## 45	-28.27383	-229.95402	-279.25362	-1027.7112	-483.1747	-268.04916
## 46	-220.64221	-643.56232	-222.89178	-688.5538	-614.3178	-616.56742
## 70	-420.88256	668.72488	-151.28896	-818.5331	-362.4706	-299.56544
## 72	-411.19258	-21.62877	-376.61591	-724.6877	-630.1781	-302.85235
## 68	-719.71384	-163.34969	-348.80440	-1195.3507	-584.4410	-86.98598
##	S83309_s_at	S83325_s_at	S83362_s_at	S83390_s_at	S83513_s_at	U22322_s_at
## 39	-277.5468	-674.50326	-241.06968	-1406.191	1099.99956	-717.4175
## 40	-409.3442	-1070.36815	-655.78867	-2341.745	781.42019	-584.3889
## 42	-540.7222	-1152.43600	-554.11736	-1552.059	959.53949	-685.8368
## 47	-739.6098	-648.11650	-35.98266	-1316.889	238.49729	-652.4733
## 48	-848.9012	-1016.57246	-513.55876	-1637.174	424.96464	-973.0215
## 49	-215.0057	-697.30450	197.45792	-4021.020	2237.95270	-854.4335
## 41	-504.5334	-825.02225	-409.74091	-1563.049	28.11006	-648.9791
## 43	-305.7651	-375.24184	-697.36108	-1695.299	357.42153	-651.0433
## 44	-569.7063	-471.98425	-112.91270	-1567.380	380.24254	-521.9816
## 45	-514.5472	-91.01878	-97.74145	-1570.007	599.17565	-584.0148

##	46	-353.3671	-587.32294	-351.11756	-1417.416	299.00963	-717.7983
##	70	-304.0587	-167.01526	-182.74155	-1622.821	100.33172	-654.5303
##	72	-491.8715	-962.11417	-667.05993	-1529.172	798.99085	-786.9257
##	68	-861.5322	-996.80501	-473.16816	-1882.624	338.46897	-1075.3505
##		X04347_s_at	U00947_s_at	U12259_cds2_s_at	U02566_s_at	U04806_s_at	
##	39	21885.50	11287.834	-1472.7077	74.349803	-309.73243	
##	40	12827.26	14135.486	-996.6651	-100.712815	-121.44179	
##	42	24421.22	23153.142	-2054.3790	-268.353238	-170.12182	
##	47	31082.64	14304.505	-1027.1602	-504.341287	42.44019	
##	48	26063.42	22494.418	-2190.2711	-820.593092	-661.63205	
##	49	17636.60	14256.140	-826.0630	-1127.226932	-339.39953	
##	41	33291.24	13694.026	-1037.1769	-542.901778	-583.52713	
##	43	26461.71	10479.966	-1122.6427	3.721976	-533.14342	
##	44	34585.22	15977.129	-967.4121	-194.726466	-235.63335	
##	45	28518.44	14562.167	-1323.5088	-66.368974	-507.82450	
##	46	20851.13	9407.539	-506.3382	-360.115861	-447.84929	
##	70	25682.52	12054.561	-1013.9885	-638.804044	-362.47061	
##	72	24052.95	19428.900	-1960.2274	-404.277244	-187.59678	
##	68	28333.40	20382.851	-2157.5334	-878.986721	-527.71366	
##		X73358_s_at	U06155_at	U06155_s_at	U08854_s_at	Z48314_s_at	U29463_s_at
##	39	1642.864	-717.41748	44640.76	-401.99799	-1985.5326	-670.21184
##	40	1398.683	-522.20195	50689.88	-231.99632	-1600.1086	131.91234
##	42	1151.537	-748.34767	47215.37	-516.16432	-755.0453	-674.67410
##	47	2586.826	-685.14950	35957.92	-375.81497	-1305.9970	-517.41176
##	48	2970.519	309.55457	26276.82	-820.59309	-1232.1498	-838.01348
##	49	1969.524	-906.80985	50738.44	-81.88255	-688.5751	-616.55765
##	41	1377.774	-493.24857	43294.11	-452.62323	-554.1866	-551.92963
##	43	205.836	-168.91709	49121.64	-552.09161	-566.8291	-385.76861
##	44	1521.090	-262.90461	40241.73	-481.07467	-617.4310	-771.96807
##	45	2421.020	32.23023	39182.84	-474.21114	-628.8326	-590.73747
##	46	1477.787	-220.64221	44977.82	-627.81529	-344.3688	-391.60991
##	70	1556.137	-380.44352	42612.99	-405.15626	-472.5547	-81.64395
##	72	3927.027	-853.77394	41848.41	-752.34905	-853.7739	-561.02481
##	68	4501.382	-261.53160	34370.50	-632.44104	-1241.1689	-802.62301
##		U07969_s_at	U51010_s_at	U08191_s_at	U09087_s_at	U18271_cds3_s_at	U09178_s_at
##	39	-1472.7077	-981.3399	-1198.0567	-427.7465	-24.35289	-638.0262
##	40	-612.0275	-1383.6060	-2092.9975	-584.3889	-252.72529	279.3184
##	42	-636.7211	-1435.9676	-1272.9927	-426.8630	441.59201	-828.7188
##	47	-715.6473	-356.2093	-1288.5697	-417.2048	88.18684	-181.9363
##	48	-1092.7867	-1099.3193	-1530.4739	-598.4831	300.84437	-855.4339
##	49	-142.9883	-1188.3327	-1690.2726	-228.0998	151.62862	-223.7351
##	41	-572.2423	-1646.5571	-694.1184	-398.4561	-39.59885	-405.2270
##	43	-364.7151	-1497.3958	-625.7790	-512.0899	555.32486	-411.0329
##	44	-571.9789	-1276.4863	-896.9613	-133.3661	1182.47201	-549.2528
##	45	-377.8528	-1576.7295	-991.8570	-496.6200	-32.75561	-554.8832
##	46	-450.0989	-1552.3906	-672.8068	-438.8510	40.30850	-578.3246
##	70	-791.5737	-800.5602	-1090.3733	-452.3351	-81.64395	-589.3786
##	72	-1317.1013	-1764.2929	-918.3171	-680.8906	-330.51368	-561.0248
##	68	-844.0776	-2332.0790	-1365.5326	-427.3499	105.01420	-464.4409
##		U09510_s_at	U09716_s_at	U72935_cds3_s_at	U09820_s_at	Z29066_s_at	U11717_s_at
##	39	715.91733	-346.20951	-419.16368	514.22052	-515.7207	-1022.1084
##	40	221.73789	-185.93193	-13.19048	1094.65802	-579.7824	-770.9496
##	42	1292.18679	-170.12182	-219.23753	345.59313	-663.5114	-1197.0866
##	47	347.41790	-360.56608	-238.57499	550.01024	-513.0549	-972.6999

## 48	335.68515	-504.84856		-223.94481	1603.01836	-618.0811	-1449.9046
## 49	812.87987	413.51030		-293.57024	197.45792	-690.7575	-1557.1494
## 41	434.36355	-396.19913		-484.22072	-86.99509	-242.7256	-770.8551
## 43	403.73933	-76.28150		-202.60277	-32.06905	-278.3955	-1183.6980
## 44	568.86873	27.98880		-283.35805	-192.45386	-292.4485	-792.4215
## 45	386.29101	18.78488		-149.28194	514.02179	-436.1160	-767.7679
## 46	276.51388	-184.64901		-198.14646	211.27620	-580.5742	-987.7473
## 70	-65.91766	-108.60331		-495.02079	-83.89057	-501.7606	-930.8638
## 72	923.46686	-127.66389		-620.95770	197.35680	-671.6702	-1167.2691
## 68	927.56043	-252.80431		-466.62270	406.10540	-854.9867	-974.9868
##	U13913_s_at	U28758_s_at	U11862_s_at	U27516_s_at	U12424_s_at	U29943_s_at	
## 39	-569.3634	-453.4951	-1007.0884	-949.1542	-680.9404	-938.4257	
## 40	-625.8468	-911.4460	-720.2788	-814.7108	-614.3307	-179.0223	
## 42	-772.9055	-817.5562	-603.2331	-732.7199	-846.5791	-596.5355	
## 47	-711.2905	-802.7838	-1092.5126	-580.5857	-595.8346	-743.9666	
## 48	-1108.0295	-1081.8989	-1388.9332	-687.7626	-1075.3663	-1033.9928	
## 49	-773.6867	-782.4160	-1186.1503	-169.1764	-760.5926	-343.7642	
## 41	-597.0689	-664.7778	-757.3133	-558.7005	-646.7221	-669.2918	
## 43	-472.0881	-701.5718	-777.3645	-621.5683	-566.8291	-440.5078	
## 44	-778.7859	-460.6212	-496.9829	-781.0585	-828.7832	-812.8750	
## 45	-664.6869	-666.9278	-512.3063	-709.5047	-920.1484	-729.6727	
## 46	-776.2872	-697.5521	-1019.2414	-544.5810	-702.0513	-542.3314	
## 70	-521.9802	-434.3622	-832.0128	-728.6686	-539.9531	-490.5276	
## 72	-846.8586	-1040.4880	-1344.7626	-392.7517	-833.0279	-611.7373	
## 68	-944.4413	-704.4411	-1932.8059	-920.4413	-983.7141	-898.6231	
##	U12707_s_at	X75346_s_at	U13021_s_at	U13696_s_at	U14577_s_at	U15642_s_at	
## 39	2426.0488	-159.5327	-1803.1471	-846.1601	-303.2953	-438.4751	
## 40	1882.3590	-314.9122	-1180.9227	-890.7170	-1650.7794	-273.4543	
## 42	3194.3043	584.4741	-851.0441	-1279.6903	-1476.1532	-627.7909	
## 47	841.9175	-147.0817	-852.8872	-848.5304	-852.8872	-181.9363	
## 48	2656.9518	-637.6790	-1367.1578	-1621.9309	-1741.6961	-639.8566	
## 49	3791.7840	-967.9156	-2118.0126	-1074.8506	-2227.1300	-513.9873	
## 41	639.7473	-423.2827	-894.9881	-922.0717	-1556.2785	-378.1434	
## 43	1247.9865	-547.8809	-737.3628	-964.7411	-1425.8137	-349.9776	
## 44	446.1481	-446.9856	-819.6928	-715.1530	-724.2434	-231.0881	
## 45	1901.1333	-431.6342	-1224.9096	-758.8043	-1424.3489	-319.5897	
## 46	1180.8431	-427.6031	-1016.9918	-666.0581	-1066.4824	-310.6252	
## 70	259.8413	-593.8718	-641.0507	-798.3136	-1121.8259	-310.7985	
## 72	1481.3038	-245.2246	-1552.2227	-1093.5055	-1501.5102	-445.7692	
## 68	975.5605	-492.8045	-931.3504	-1387.3508	-1869.5331	-774.2594	
##	U16120_s_at	X91911_s_at	U16812_s_at	U16811_s_at	X84213_s_at	X74301_s_at	
## 39	-633.7348	-547.90633	338.27223	-1062.8769	5.687058	385.47787	
## 40	-662.6983	97.36405	-107.62247	-439.2861	-363.279819	613.28518	
## 42	-817.5562	-384.44491	-58.49521	-574.2102	283.082223	-522.86191	
## 47	-698.2200	55.51066	173.14492	-367.1013	430.197565	-77.37249	
## 48	-1016.5725	185.43430	-147.73061	-753.0891	-254.430488	-123.77758	
## 49	-625.2870	179.99914	20.68778	-710.3986	5055.363137	138.53454	
## 41	-608.3537	-292.37880	-96.02295	-590.2980	-290.121833	353.11285	
## 43	-571.0398	-223.65631	43.72371	-718.4146	-198.392057	94.25222	
## 44	-960.5943	-76.55102	146.16425	-792.4215	-356.081404	173.43550	
## 45	-687.0958	231.66953	-14.82848	-628.8326	715.701985	-368.88926	
## 46	-639.0632	436.23371	123.54278	-461.3467	1241.581578	260.76685	
## 70	-551.1861	668.72488	-14.24555	-393.9232	95.838495	-182.74155	
## 72	-770.7899	-132.27411	15.25301	-745.4337	-464.210137	-339.73413	

## 68	-940.0777	1300.65169	-52.07685	-564.8046	635.196520	-10.62227
##	U18297_s_at	U19147_s_at	U19252_s_at	U19557_s_at	U31973_s_at	U20536_s_at
## 39	-867.6172	-324.75240	-299.00387	52.89270	-695.9604	-809.6830
## 40	-757.1303	-420.86030	-33.91945	30.57069	-722.5820	-692.6402
## 42	-909.0900	-505.00165	-275.05083	-288.44603	-788.5332	-714.8597
## 47	-726.5393	-576.22889	-110.04867	-558.80159	-715.6473	-412.8480
## 48	-1169.0008	-768.33193	-559.28727	-615.90354	-1016.5725	-940.3583
## 49	-981.0097	-94.97663	-116.80010	193.09322	-690.7575	-812.9689
## 41	-827.2792	-560.95749	-285.60790	-509.04732	-732.4867	-696.3753
## 43	-726.8360	-274.18482	317.41980	-202.60277	-657.3593	-657.3593
## 44	-860.5997	-571.97886	-531.07197	-433.34997	-960.5943	-626.5214
## 45	-980.6525	-595.21925	-971.68894	-424.91153	-911.1849	-924.6302
## 46	-659.3093	-537.83229	-229.64051	-425.35354	-621.0666	-627.8153
## 70	-701.7092	-521.98015	-434.36224	-331.01803	-589.3786	-634.3108
## 72	-902.1813	-623.26282	-23.93388	-97.69744	-865.2995	-344.3444
## 68	-1090.6233	-988.07773	-494.98636	-366.25897	-944.4413	-641.1683
##	U20759_s_at	U22314_s_at	U22431_s_at	U22970_rna1_s_at	X78416_s_at	U23435_s_at
## 39	-867.6172	-743.1660	316.81512	-758.1860	-108.03561	-185.2812
## 40	-1187.8323	-100.7128	-340.24763	-2092.9975	-572.87278	-397.8281
## 42	-980.5310	-1183.6915	1544.46293	-1661.4533	-659.04638	-275.0508
## 47	-898.6339	-785.3565	35.90495	430.1976	-90.44296	-264.7159
## 48	-1262.6354	-1012.2174	897.49266	-1184.2437	-853.25632	-920.7603
## 49	-1114.1328	-826.0630	-321.94076	-1170.8739	-271.74677	-439.7875
## 41	-813.7374	-633.1803	-396.19913	-838.5640	-583.52713	-509.0473
## 43	-737.3628	-183.6546	298.47161	-1745.8276	-389.97932	-227.8670
## 44	-1010.5916	-1162.8561	-172.00042	-1190.1273	-710.60775	-290.1759
## 45	-1173.3691	-743.1181	-259.08560	-1287.6546	-626.59172	-283.7354
## 46	-663.8085	-985.4977	137.04023	-355.6167	-263.38413	-627.8153
## 70	-663.5168	-420.8826	-178.24832	-1103.8530	-445.59530	-324.2782
## 72	-982.8602	-911.4017	3154.81458	-966.7244	-588.68615	-549.4993
## 68	-1088.4415	-1020.8050	-174.25879	-1939.3514	-758.98661	-1025.1687
##	U23852_s_at	U24488_s_at	U25034_s_at	U32499_s_at	U26173_s_at	U26266_s_at
## 39	949.799806	-2037.030	104.389754	-1105.7911	224.54956	27.14417
## 40	-27.009797	-2240.404	226.344329	-821.6205	-155.99008	-282.66714
## 42	-145.563965	-2317.818	684.938025	-1161.3661	-330.86414	-420.16543
## 47	637.146728	-1604.439	371.380435	-1072.9069	-114.40550	741.71052
## 48	-254.430488	-2604.005	-21.432801	-1624.1085	-326.28959	514.24412
## 49	932.908975	-3309.574	1650.901256	-579.4577	-90.61194	-1334.54993
## 41	-120.849548	-1937.705	-402.970023	-1502.1114	-323.97629	375.68249
## 43	104.778993	-2230.059	429.003587	-1011.0589	-32.06905	-863.68408
## 44	289.338346	-1862.818	-451.530803	-1301.4850	-446.98559	1116.56648
## 45	-1.383135	-2119.025	269.764676	-487.6565	-48.44185	211.50151
## 46	40.308498	-1311.686	101.047025	-1131.7201	-326.37224	485.72436
## 70	1264.077396	-1822.769	-647.790497	-1229.6633	-313.04512	-324.27819
## 72	743.668176	-2621.794	3.727454	-1372.4240	729.83751	-614.04237
## 68	-425.168113	-2953.898	214.105215	-1012.0778	1305.01533	663.56018
##	U26312_s_at	U60206_s_at	Z16411_s_at	U27333_at	U27333_s_at	U27326_s_at
## 39	93.66120	-908.3857	-356.9381	-1058.5855	22.85274	-320.4610
## 40	-135.26111	-600.5114	-552.1438	440.5437	-770.94964	233.2540
## 42	660.38017	-777.3706	-538.4896	-1652.5232	-65.19280	-388.9100
## 47	101.25732	-626.3324	-356.2093	-972.6999	68.58113	-247.2886
## 48	405.36670	-1016.5725	-694.2953	-2225.1119	-940.35826	-652.9219
## 49	-88.42959	-723.4927	-719.1280	-1707.7313	-1037.75069	204.0050
## 41	147.72914	-502.2764	-477.4498	-1003.3224	-648.97908	-308.1775

## 43	399.52862	-606.8308	-762.6271	-1168.9605	64.77726	-646.8326
## 44	916.57726	-1101.4958	-387.8979	-1049.2259	-776.51328	-278.8128
## 45	868.08257	-758.8043	-626.5917	-1646.1971	-205.30422	-501.1018
## 46	-74.41983	-711.0496	-585.0734	-821.2787	-715.54872	-405.1074
## 70	-229.92043	-620.8311	-317.5383	-324.2782	-589.37855	-171.5085
## 72	-60.81566	-872.2148	-678.5855	-1630.5964	-372.00569	-597.9066
## 68	622.10560	-859.3503	-824.4412	-2198.9880	-1513.89641	-741.5320
##	U28488_s_at	U75276_s_at	Z50115_s_at	U30827_s_at	U31201_cds2_s_at	U45328_s_at
## 39	-434.1837	-335.480958	737.37444	1312.4249	-1234.5338	1357.48486
## 40	-743.3110	-337.944406	-404.73777	1043.9872	-1595.5022	553.40147
## 42	-991.6937	-792.998312	256.29184	2671.8917	-1223.8770	1680.64740
## 47	-881.2066	-9.841708	499.90676	1689.3198	-730.8962	658.93085
## 48	-1077.5438	-213.057067	538.19716	2683.0824	-1704.6778	1398.32881
## 49	-913.3569	-236.829209	1271.17282	629.5627	-1574.6081	446.24551
## 41	-648.9791	-249.496484	452.41926	1547.0467	-1001.0654	1481.59475
## 43	-632.0951	-482.614916	631.11762	1719.5859	-939.4768	35.30229
## 44	-856.0544	-403.806104	98.43955	1298.3749	-612.8857	1314.28309
## 45	-700.5411	-691.577563	377.32744	1152.6757	-834.9946	1045.11296
## 46	-751.5419	-128.409631	344.00113	2231.3946	-922.5096	757.92294
## 70	-647.7905	-519.733540	62.13930	776.5623	-780.3407	972.01767
## 72	-925.2324	-143.799668	252.67947	3749.5333	-1330.9320	3297.73148
## 68	-1060.0778	-259.349775	589.37829	4752.2913	-1265.1689	1734.83392
##	U31903_s_at	U41068_cds2_s_at	U32674_s_at	U33448_s_at	U90065_s_at	U40271_s_at
## 39	2400.3003	1323.1535	-751.7489	-3502.550	-610.1319	-751.7489
## 40	3904.5856	1465.4763	1251.2769	-1701.450	-939.0847	-1091.0971
## 42	2647.3339	921.5864	-388.9100	-4621.791	-989.4611	-1351.1314
## 47	1510.6900	462.8737	-693.8632	-1861.492	-959.6294	-1042.4091
## 48	2791.9598	383.5912	-1029.6377	-4563.799	-1665.4819	-1465.1474
## 49	6556.8181	2654.7810	-197.5470	-5511.563	-1513.5024	-2351.5238
## 41	1039.2298	170.2988	-1028.1490	-2018.956	-863.3906	-696.3753
## 43	1102.7170	904.8137	216.3628	-3653.279	-1724.7741	-1642.6653
## 44	1057.4788	657.5003	-821.9654	-2894.581	-531.0720	-644.7022
## 45	935.3093	88.2525	-1094.9379	-1863.564	-640.0371	-814.8266
## 46	1005.3762	625.1980	-681.8051	-2099.037	-938.2567	-483.8425
## 70	140.7708	488.9958	-438.8555	-2786.566	-793.8204	-697.2160
## 72	573.0899	817.4317	-540.2788	-4221.542	-1552.2227	-803.0615
## 68	1289.7426	657.0147	-782.9866	-2993.171	-708.8047	-1588.0783
##	U43203_s_at	X82850_s_at	U67092_at	U67092_s_at	X91196_s_at	X85116_rna1_s_at
## 39	-522.1578	-1472.7077	-846.1601	3166.319	-408.4351	-541.46919
## 40	-319.5187	-1203.9549	-759.4335	3591.348	-287.2736	62.81576
## 42	-710.3946	-161.1917	-891.2297	2609.381	-574.2102	5259.39656
## 47	-613.2619	-123.1191	-876.8498	3296.988	-467.3083	841.91748
## 48	-787.9299	-1123.2723	-1125.4499	3699.998	-811.8829	-173.86119
## 49	-417.9640	-2035.0834	-675.4810	7842.221	-407.0523	289.11650
## 41	-493.2486	-655.7500	-664.7778	1583.158	-678.3196	271.86215
## 43	-356.2936	-762.6271	-726.8360	2062.759	-762.6271	3107.01453
## 44	-785.6037	-387.8979	-1644.6483	3818.694	-521.9816	-312.90191
## 45	-761.0452	-577.2921	-1762.7235	4433.340	-619.8691	328.02784
## 46	-384.8612	-461.3467	-855.0224	2872.523	-589.5725	-571.57592
## 70	-369.2105	-342.2511	-497.2674	4083.577	-324.2782	-173.75510
## 72	-750.0439	-1360.8984	-1028.9624	3387.631	-549.4993	289.56125
## 68	-931.3504	-1212.8052	-857.1685	2631.562	-737.1684	2862.83498
##	U33936_s_at	U34070_s_at	X89986_s_at	U40317_s_at	U35637_s_at	U35835_s_at
## 39	-371.95804	-1974.8040	-938.4257	-1513.4762	-644.4633	-577.9463

## 40	-36.22267	-2348.6549	-708.7627	-1072.6714	-540.6277	-347.1573
## 42	-47.33255	-1326.5735	-1101.0878	-1060.9022	-663.5114	-411.2353
## 47	31.54812	-1051.1228	-990.1272	-1009.7329	-894.2771	-214.6125
## 48	-539.68934	-1582.7351	-1225.6171	-1314.8966	-918.5828	-465.6527
## 49	145.08158	-1723.0078	-854.4335	-1749.1959	-692.9398	-426.6934
## 41	-55.39760	-888.2172	-743.7716	-980.7528	-461.6511	-109.5647
## 43	-168.91709	-1219.4890	-870.0001	-718.4146	-722.6253	-592.0934
## 44	-403.80610	-794.6941	-724.2434	-1099.2232	-633.3392	-292.4485
## 45	-14.82848	-698.3002	-866.3671	-1164.4056	-606.4237	670.8842
## 46	-294.87818	-949.5045	-704.3008	-753.7915	-551.3297	-353.3671
## 70	71.12575	-944.3434	-533.2132	-760.1212	-456.8284	-373.7037
## 72	-482.65103	-1270.9991	-1047.4033	-1174.1844	-761.5695	-708.5519
## 68	480.28728	-1341.5326	-1073.1687	-1509.5328	-778.6230	-407.7136
##	U41163_s_at	U36759_s_at	Z69030_s_at	X85137_s_at	U38227_s_at	Z47038_s_at
## 39	-2431.8404	188.07247	-60.82998	-144.51270	-1047.8569	924.0513
## 40	-678.8209	1419.41194	541.88538	19.05459	-934.4782	1642.8242
## 42	-1958.3801	153.59535	629.12472	-199.14474	-998.3913	1388.1857
## 47	-1920.3092	787.45717	367.02361	-205.89881	-881.2066	608.8274
## 48	-2771.6765	1021.61292	2060.30354	440.20748	-1382.4006	342.2178
## 49	-4485.8595	-25.14152	716.85659	-171.35879	-1207.9738	1434.8489
## 41	-1781.9749	-233.69774	1528.99099	102.58987	-870.1615	797.7347
## 43	-1811.0936	525.84990	1142.71877	317.41980	-971.0572	1207.9848
## 44	-1824.1841	-751.51463	768.85795	205.25197	-776.5133	714.3154
## 45	-2103.3389	-1908.38138	1161.63929	-160.48640	-828.2719	832.2283
## 46	-1586.1343	-769.53852	553.21161	-220.64221	-814.5300	413.7380
## 70	-1643.0402	102.57834	882.15314	-18.73878	-690.4761	852.9472
## 72	-2414.3343	390.98615	-81.56166	-401.97213	-1063.5391	473.9702
## 68	-2986.6251	1300.65169	864.28764	-527.71366	-1308.8053	1632.2884
##	X81832_s_at	U40152_s_at	U74382_s_at	X93511_s_at	U40763_s_at	U40846_s_at
## 39	-1612.179	-831.1402	-464.22361	-522.1578	-479.2436	27.144166
## 40	-1860.372	-665.0016	-188.23515	-367.8863	-469.2279	-24.706577
## 42	-2746.464	1001.9576	-152.26156	-442.4908	-335.3292	-726.022345
## 47	-1292.927	-689.5063	-480.37875	-321.3547	-347.4956	-388.885438
## 48	-2431.979	-1075.3663	-979.55413	-491.7833	-859.7890	-596.305599
## 49	-3030.234	-1251.6207	33.78186	-520.5344	-548.9049	77.428811
## 41	-1777.461	-599.3259	-610.61069	-314.9484	-274.3231	-240.468629
## 43	-1771.092	-920.5287	-657.35934	-248.9206	-432.0864	-112.072522
## 44	-1301.485	-487.8925	-708.33514	-531.0720	-444.7130	-67.460600
## 45	-1141.997	-487.6565	-460.76579	-512.3063	-420.4298	-59.646301
## 46	-2150.778	-650.3110	-722.29745	-294.8782	-477.0938	4.315297
## 70	-1422.872	-919.6307	-816.28649	-452.3351	-616.3379	-355.730772
## 72	-1939.481	-842.2484	42.91435	-219.8683	-473.4306	-441.159024
## 68	-1856.442	-889.8958	-453.53178	-706.6229	-621.5319	-556.077327
##	U76366_s_at	U41315_rna1_s_at	X76942_s_at	U41767_s_at	X96506_s_at	U51333_s_at
## 39	975.54834	-861.18010	-86.57851	1649.3015	2928.145	1104.2910
## 40	-1302.99331	-1344.45125	-441.58928	1244.3673	1433.231	-282.6671
## 42	95.54952	1841.38972	-344.25933	1135.9095	1205.118	1292.1868
## 47	1547.72305	-397.59909	-279.96483	1120.7542	2284.026	563.0807
## 48	941.04363	-193.45913	-467.83024	862.6519	2286.769	137.5282
## 49	1519.96041	-965.73323	-287.02320	2892.6569	4193.336	2340.5230
## 41	813.53347	-421.02573	-274.32309	608.1498	2201.566	-628.6664
## 43	544.79809	216.36278	-76.28150	677.4354	1384.835	1452.2059
## 44	387.06035	-794.69412	-356.08140	657.5003	2598.305	296.1562
## 45	599.17565	-729.67271	-485.41559	706.7384	2450.152	-1377.2902

##	46	350.74986	-578.32464	-168.90198	1063.8651	1788.228	-659.3093
##	70	385.65161	-620.83114	-32.21846	1145.0069	2414.343	-984.7825
##	72	234.23858	-263.66546	-125.35878	591.5308	1412.150	178.9159
##	68	238.10524	-34.62229	-529.89548	1226.4698	3377.745	-1430.9872
##		U43189_s_at	U43747_s_at	U43916_s_at	U44799_s_at	U45448_s_at	U46746_s_at
##	39	301.7951	-584.38341	-1120.8111	-562.9263	1569.9102	-876.2001
##	40	189.4928	95.06083	309.2602	-519.8987	2147.2292	-745.6142
##	42	171.4556	-404.53770	-1096.6227	-308.5388	-150.0290	-797.4634
##	47	-131.8328	-338.78196	-504.3413	-384.5286	713.3912	-726.5393
##	48	627.4766	-504.84856	-1347.5598	-831.4808	1150.0883	-929.4705
##	49	568.4570	-420.14639	-1352.0087	-553.2696	2187.7587	-850.0688
##	41	-265.2952	-141.16222	-739.2576	-380.4004	1407.1149	-676.0626
##	43	-309.9758	-349.97758	-606.8308	-309.9758	1557.4736	-758.4164
##	44	-549.2528	-599.25011	-683.3365	-278.8128	259.7945	-633.3392
##	45	-294.9399	-438.35688	-308.3852	-350.9621	1385.7284	-758.8043
##	46	-119.4113	-265.63371	-317.3739	-375.8629	2688.0583	-463.5963
##	70	-297.3188	-438.85546	-912.8909	-501.7606	1601.0694	-344.4977
##	72	501.6315	-503.39703	-1275.6093	-620.9577	1836.2909	-780.0104
##	68	179.1961	-416.44083	-988.0777	-750.2593	3661.3812	-658.6229
##		X51698_s_at	U47686_s_at	U48865_s_at	U49020_cds2_s_at	Z49148_s_at	U49835_s_at
##	39	-717.4175	-474.95216	-1519.9133	-153.09554	21559.35	638.67174
##	40	-858.4720	-24.70658	-3140.9623	293.13769	30297.18	346.11173
##	42	-703.6970	-234.86525	-1286.3879	-266.12071	33804.55	930.51657
##	47	-909.5260	-214.61246	-1197.0764	118.68461	45525.51	155.71762
##	48	-1458.6148	-681.22999	-885.9195	1004.19253	34055.02	24.29572
##	49	-1487.3142	-293.57024	-2181.3007	-94.97663	28928.06	-14.22978
##	41	-725.7158	-628.66640	-1226.7618	402.76605	35171.29	-105.05080
##	43	-360.5044	-371.03113	-636.3058	176.36105	29866.07	854.28520
##	44	-417.4417	-153.81958	-1349.2097	202.97937	27249.25	316.60960
##	45	-483.1747	-254.60382	-1375.0493	366.12299	41425.97	-129.11392
##	46	-877.5181	-294.87818	-643.5623	20.06232	34870.48	137.04023
##	70	-1045.4410	-202.96107	-825.2729	-292.82560	25051.22	-11.99894
##	72	-1997.1091	-457.29480	-1579.8840	-510.31236	32438.95	545.42861
##	68	-1614.2601	-501.53182	-1657.8965	2358.83450	34717.41	-281.16798
##		U49957_s_at	U50361_s_at	U50527_s_at	U52077_s_at	X99374_s_at	X92493_s_at
##	39	-680.9404	-726.0003	-603.69481	-262.52679	-706.6889	-283.983899
##	40	-552.1438	-612.0275	-381.70557	76.63507	-803.1947	-331.034748
##	42	-726.0223	-795.2308	-498.30406	-234.86525	-868.9044	-127.703707
##	47	-711.2905	-798.4269	-604.54825	-330.06831	-680.7927	9.764002
##	48	-1101.4968	-1066.6561	-493.96082	-376.37320	-1160.2907	-716.070765
##	49	-775.8690	-588.1871	-684.21042	-623.10469	-902.4452	-228.099820
##	41	-635.4373	-470.6789	-572.24231	-310.43451	-687.3475	-421.025733
##	43	-571.0398	-762.6271	-632.09509	-457.35066	-661.5700	-6.804796
##	44	-603.7953	-828.7832	-467.43904	-53.82497	-612.8857	-387.897870
##	45	-476.4520	-700.5411	-433.87510	-483.17470	-622.1099	-409.225297
##	46	-461.3467	-589.5725	-537.83229	-139.65751	-652.5606	-508.587815
##	70	-481.5411	-288.3324	-582.63871	-362.47061	-557.9260	-151.288964
##	72	-869.9097	-791.5359	-862.99439	-51.59522	-962.1142	-519.532808
##	68	-948.8050	-979.3505	-76.07688	-278.98616	-1042.6232	-364.077147
##		U52696_s_at	U52828_s_at	Z54367_s_at	U54644_s_at	U66711_rna1_s_at	U56402_s_at
##	39	7320.415	-60.82998	301.79515	1250.19932	5060.982	-670.2118
##	40	17023.723	-662.69833	-137.56432	3579.83167	2755.279	-1512.5863
##	42	3502.394	-493.83899	-388.90998	1749.85590	2794.681	-556.3499
##	47	4885.051	-321.35466	-73.01566	719.92639	5100.713	-517.4118

## 48	9960.449	-827.12574	-559.28727	1208.88209	2805.025	-1343.2047
## 49	12521.173	105.79933	452.79256	2135.38237	7606.527	-1393.4733
## 41	2246.705	-700.88924	-226.92685	152.24307	1691.492	-592.5550
## 43	5606.070	-558.40768	327.94657	530.06060	2134.341	-726.8360
## 44	2100.604	-535.61718	-81.09623	448.42068	2202.872	-765.1503
## 45	2087.127	-451.80223	45.67558	-39.47828	4648.466	-635.5553
## 46	4357.243	-164.40283	559.96034	625.19801	2505.843	-832.5266
## 70	4117.276	-465.81482	401.37790	673.21811	4842.932	-816.2865
## 72	5969.355	-496.48170	-224.47856	2041.44583	2896.642	-533.3635
## 68	2053.380	-776.44117	-364.07715	1483.92459	3921.018	-682.6229
##	U59877_s_at	U57623_s_at	U57971_s_at	X60787_s_at	U59831_rna1_s_at	U69140_s_at
## 39	-1685.1330	276.046617	-236.778262	-1440.5220	316.81512	-871.9087
## 40	-1920.2561	366.840709	219.434672	-1116.4325	-20.10014	-395.5249
## 42	-915.7876	-58.495208	10.713291	-1391.3169	-223.70259	-708.1621
## 47	-1366.9925	55.510659	-14.198533	-1255.8935	-264.71594	-689.5063
## 48	-1915.9000	-454.764948	-252.252939	-999.1521	-278.38352	-746.5564
## 49	-1954.3366	791.056397	310.939978	-1319.2735	509.53359	-788.9631
## 41	-1046.2047	-421.025733	-254.010412	-610.6107	-193.07239	-416.5118
## 43	-667.8861	68.987966	-82.597559	-773.1538	-21.54228	-537.3541
## 44	-1967.3582	-224.270328	-119.730510	-892.4161	-242.45117	-478.8021
## 45	-1395.2173	-250.122036	99.456960	-904.4622	-102.22323	-409.2253
## 46	-1176.7116	-216.143058	6.564873	-513.0870	-252.13626	-384.8612
## 70	-663.5168	5.973965	-164.768644	-1416.1322	-178.24832	-539.9531
## 72	-1436.9671	-261.360344	-272.885900	-1081.9800	-291.32679	-556.4146
## 68	-1622.9874	-407.713551	-348.804405	-1123.3506	-209.16791	-521.1682
##	U60808_s_at	U61276_s_at	U67122_s_at	X99586_s_at	U61397_s_at	U79261_s_at
## 39	-934.1343	209.52958	100.09833	-371.95804	85.07836	-964.17422
## 40	-1003.5748	-565.96312	235.55721	-390.91845	88.15117	-2394.71927
## 42	-884.5321	-480.44380	1669.48474	-223.70259	845.68035	-413.46783
## 47	-1072.9069	-147.08168	46.79701	-613.26190	127.39826	46.79701
## 48	-1293.1211	-846.72367	1659.63462	-524.44650	1058.63124	-1558.78203
## 49	-1221.0679	354.58693	-132.07654	-361.22301	166.90505	-3285.56847
## 41	-863.3906	-411.99788	389.22427	-421.02573	296.68876	-856.61975
## 43	-617.3576	60.56655	620.59085	-381.55790	382.68579	-592.09335
## 44	-833.3284	-374.26224	1375.64342	-47.00716	643.86469	-565.16104
## 45	-938.0756	-570.56945	861.35990	-288.21718	404.21814	-548.16054
## 46	-715.5487	-513.08697	328.25411	-303.87649	-11.43173	-1419.66571
## 70	-510.7471	-355.73077	450.80339	-366.96384	102.57834	-470.30805
## 72	-1075.0646	148.94946	1460.55779	-358.17502	1257.70799	-1008.21640
## 68	-1136.4415	-750.25933	641.74198	-475.34998	744.28753	-462.25906
##	Y08417_s_at	U72263_s_at	U67368_s_at	U64573_s_at	U65416_rna1_s_at	X56687_s_at
## 39	-515.7207	-893.3658	-397.7066	-541.4692	1554.8902	-71.55853
## 40	-651.1822	-529.1116	-282.6671	-508.3826	1228.2447	-144.47398
## 42	-605.4656	-694.7669	-755.0453	-813.0911	1600.2762	-263.88817
## 47	-1077.2637	-430.2753	-576.2289	-513.0549	896.3778	-31.62583
## 48	-975.1990	-631.1464	-912.0501	-940.3583	1524.6266	-158.61835
## 49	-590.3695	-1031.2036	-529.2638	-572.9107	3689.2137	692.85077
## 41	-448.1093	-560.9575	-441.3384	-560.9575	1021.1741	434.36355
## 43	-693.1504	-611.0415	-516.3006	-512.0899	904.8137	-497.35240
## 44	-678.7913	-515.1637	-694.6995	-678.7913	-67.4606	-619.70356
## 45	-584.0148	-344.2395	-496.6200	-698.3002	345.9550	-207.54511
## 46	-537.8323	-501.8391	-461.3467	-580.5742	474.4765	409.23881
## 70	-614.0913	-387.1834	-555.6794	-508.5005	419.3508	-317.53835
## 72	-625.5679	-644.0088	-803.0615	-620.9577	667.5995	-916.01195

## 68	-953.1686	-446.9863	-571.3501	-887.7140	582.8328	-497.16818
##	X00437_s_at	U66726_at	U66726_s_at	Z70276_s_at	U66828_s_at	U70064_s_at
## 39	-408.4351	-1923.307	-444.9122	-376.2495	1084.97959	591.46610
## 40	-1528.7088	-1664.599	-542.9309	-665.0016	247.07330	657.04634
## 42	-732.7199	-2998.740	-627.7909	-469.2811	508.56798	-263.88817
## 47	-205.8988	-1480.270	-589.2994	-698.2200	732.99687	264.63823
## 48	-2810.8724	-2218.579	-907.6950	-1031.8153	176.72411	248.58321
## 49	-1404.3850	-4760.835	-535.8108	-505.2579	1153.32606	863.07386
## 41	-1213.2200	-1687.182	-694.1184	-658.0069	226.72288	-10.25832
## 43	-1015.2696	-2093.211	-457.3507	-415.2436	237.41633	-57.33330
## 44	-653.7926	-1610.559	-646.9748	-906.0518	-153.81958	-203.81689
## 45	-787.9359	-1610.343	-682.6140	-747.5998	433.34972	-21.55115
## 46	-1030.4892	-1941.567	-558.0785	-594.0717	47.05722	328.25411
## 70	-362.4706	-1867.702	-463.5682	-483.7877	554.14760	100.33172
## 72	1564.2878	-1803.480	-731.6030	-614.0424	437.08838	185.83125
## 68	-1622.9874	-3058.625	-902.9867	-1164.8052	179.19609	-346.62258
##	U68105_s_at	Z48501_s_at	U68135_s_at	U68162_cds1_s_at	U69126_s_at	U86755_s_at
## 39	4346.460	8376.105	-695.9604	-459.9322	954.0912	-685.2318
## 40	12728.219	17129.671	-515.2923	-662.6983	1018.6518	-151.3836
## 42	9965.575	12164.619	-683.6042	-703.6970	1015.3528	-701.4645
## 47	7575.390	7117.923	-401.9559	-508.6981	1166.5009	-447.7026
## 48	12453.742	18291.750	-864.1441	-731.3136	786.4377	-1049.2357
## 49	7436.304	9053.423	-548.9049	-575.0930	692.8508	-850.0688
## 41	10317.608	14698.375	-610.6107	-746.0285	2070.6623	-687.3475
## 43	7382.990	7174.559	-516.3006	-299.4491	540.5874	-314.1866
## 44	5829.949	4170.947	-417.4417	-333.3554	1782.4397	-335.6280
## 45	8538.652	13136.961	-561.6059	-541.4379	628.3072	-312.8670
## 46	5911.699	8003.804	-585.0734	-643.5623	519.4680	-600.8204
## 70	9866.360	14467.424	-504.0072	-369.2105	812.5081	-299.5654
## 72	11711.388	12190.851	-657.8395	-685.5008	1979.2078	-588.6861
## 68	16979.212	19579.942	-911.7140	-754.6230	757.3785	-1101.5324
##	U70439_s_at	U71203_s_at	Y07565_s_at	U72509_s_at	Y09943_s_at	U72936_s_at
## 39	6346.262	-28.64431	-391.2694	286.77517	-4611.883	-185.28120
## 40	4865.028	394.47934	-388.6152	69.72542	-6047.625	378.35681
## 42	13432.697	430.42935	-513.9318	-364.35212	-2692.883	160.29295
## 47	13047.561	-142.72485	-471.6651	-306.10577	-2656.613	783.10035
## 48	12771.665	-485.25063	-833.6584	-779.21967	-4809.862	3310.21637
## 49	8784.995	-712.58093	-570.7284	561.90992	-6882.077	-199.72930
## 41	8769.331	-136.64829	-560.9575	-66.68242	-2863.061	70.99238
## 43	10408.384	-118.38859	-497.3524	-345.76687	-4291.201	100.56828
## 44	10459.245	-465.16643	-583.3419	-178.81823	-2753.679	-349.26359
## 45	7577.310	-317.34877	-716.2274	-126.87303	-1292.136	88.25250
## 46	4528.211	-526.58442	-506.3382	-150.90538	-2497.212	128.04193
## 70	6226.846	-70.41089	-501.7606	118.30463	-3339.233	-432.11562
## 72	7990.938	-155.32522	-542.5839	326.44303	-4394.425	132.81369
## 68	8227.931	-350.98623	-940.0777	-529.89548	-4470.263	1708.65207
##	U73167_cds2_s_at	U73477_s_at	Y09392_s_at	U79528_s_at	U75309_s_at	U76764_s_at
## 39	-1601.4503	-625.15191	-453.49505	1617.1159	-798.9545	690.16880
## 40	-1759.0307	569.52401	-388.61523	1681.9789	-612.0275	3570.61880
## 42	-337.5617	55.36394	-321.93401	1209.5831	-708.1621	1615.90396
## 47	205.8211	617.54102	-356.20925	1739.4233	-630.6892	480.30105
## 48	-622.4362	843.05395	-589.77295	773.3724	-966.4888	1777.22224
## 49	-3527.8090	-112.43541	-435.42282	2694.0633	-655.8399	965.64419
## 41	-621.8955	908.32594	-292.37880	601.3789	-694.1184	797.73472

## 43	-202.6028	1146.92948	241.62704	1578.5272	-345.7669	2069.07475
## 44	-521.9816	1825.61916	-301.53889	1109.7487	-762.8777	-56.09758
## 45	-848.4399	1517.94096	-191.85887	715.7020	-711.7456	1587.40858
## 46	-522.0853	1156.09773	78.55127	1151.5986	-621.0666	2692.55749
## 70	-369.2105	450.80339	-184.98816	1167.4730	-533.2132	109.31818
## 72	-789.2308	-206.03767	-189.90189	826.6522	-911.4017	5531.38432
## 68	-2238.2607	1865.74313	-1009.89594	1769.7430	-863.7140	5873.74690
##	U79115_s_at	U79667_s_at	X99897_s_at	U80987_s_at	Y10262_s_at	U82108_s_at
## 39	-221.7583	-1017.8170	-1813.8757	-2069.215	-174.5526	-371.95804
## 40	-425.4667	-1104.9164	-1795.8822	-2247.313	-236.6028	944.94876
## 42	-1161.3661	-1252.9000	-1659.2208	-1422.572	-518.3968	26.34102
## 47	-155.7953	-818.0327	-822.3895	-1188.363	-513.0549	-264.71594
## 48	-933.8256	-1452.0822	-1837.5082	-1926.788	-724.7810	17.76307
## 49	-1269.0795	-1426.2085	-2065.6363	-2344.977	-193.1823	101.43463
## 41	-721.2019	-933.3565	-1693.9533	-1280.929	-592.5550	-784.39690
## 43	-248.9206	-1036.3232	-1952.1524	-1735.301	-547.8809	-501.56311
## 44	-356.0814	-1017.4094	-1342.3919	-1203.763	-769.6955	-419.71434
## 45	-776.7314	-698.3002	-1422.1080	-1496.057	-406.9844	-478.69292
## 46	-353.3671	-960.7524	-1154.2159	-1230.701	-418.6048	-366.86459
## 70	-607.3515	-562.4192	-1598.1079	-1440.845	-542.1997	-564.66581
## 72	-630.1781	-1234.1173	-1536.0869	-1821.921	-420.4130	-182.98656
## 68	-907.3504	-1367.7145	-1430.9872	-1836.806	-754.6230	-228.80429
##	U83239_s_at	U83326_s_at	X99393_s_at	U83598_at	U83598_s_at	U86759_s_at
## 39	3528.944	-768.9145	-320.46098	-247.5068	-459.9322	-1172.30817
## 40	3708.812	-729.4917	-506.07942	-1185.5291	-469.2279	2623.99565
## 42	2979.981	-609.9307	-505.00165	-114.3085	-973.8334	-973.83342
## 47	1619.611	-571.8721	-484.73558	-256.0023	-269.0728	-656.83014
## 48	2698.325	-1020.9276	-655.09941	-962.1337	-1016.5725	-1184.24369
## 49	5989.408	-662.3869	14.14074	-522.7167	-308.8467	57.78768
## 41	1569.616	-662.5209	-292.37880	-421.0257	-547.4157	-454.88019
## 43	2433.301	-661.5700	-305.76514	-288.9223	-621.5683	-1552.13501
## 44	2907.379	-590.1597	-551.52541	-215.1799	-537.8898	-906.05175
## 45	2658.554	-810.3448	-572.81034	341.4732	-169.4500	-1231.63229
## 46	2809.535	-614.3178	-398.35864	-555.8289	-209.3943	-472.59461
## 70	2070.612	-582.6387	-400.66304	163.2369	-542.1997	-521.98015
## 72	3470.615	-800.7564	-372.00569	-763.8746	-284.4115	-1164.96397
## 68	3100.653	-1149.5324	-686.98654	-488.4409	-1053.5323	-226.62247
##	U90543_at	U90543_s_at	U90552_at	U90552_s_at	Y07827_s_at	U92314_s_at
## 39	-1249.5538	550.6976	-824.7030	162.3239	-633.7348	-1238.825
## 40	-1167.1034	-229.6931	-1920.2561	2918.8077	-750.2207	-1148.678
## 42	-2545.5361	-420.1654	-1226.1096	993.0275	-685.8368	-1418.107
## 47	-931.3101	127.3983	-693.8632	580.5080	-425.9184	-1467.199
## 48	-1284.4109	411.8993	-659.4545	4851.9207	-1005.6847	-2011.712
## 49	-2043.8128	500.8042	-778.0514	1609.4367	-828.2453	-1705.549
## 41	-1113.9136	395.9952	-913.0438	520.1282	-800.1957	-1495.341
## 43	-2484.8071	104.7790	-234.1831	919.5512	-497.3524	-1213.173
## 44	-617.4310	-315.1745	-515.1637	557.5057	-794.6941	-1712.826
## 45	-790.1768	-241.1585	-628.8326	256.3193	-772.2496	-2293.815
## 46	-522.0853	105.5462	-1019.2414	971.6326	-1039.4875	-1266.695
## 70	-1225.1701	259.8413	-1306.0482	423.8440	-508.5005	-1108.346
## 72	-1003.6062	743.6682	-501.0919	342.5788	-828.4177	-1395.475
## 68	-1116.8051	-322.6226	-1166.9870	2232.2889	-1092.8051	-1064.441
##	U92457_s_at	Y08265_s_at	X17644_s_at	X58822_rna1_s_at	X05839_rna1_s_at	
## 39	-303.2953	700.89735	-1410.4821	-710.9803	-603.6948	

## 40	131.9123	1827.08176	-1544.8313	-632.7565	-512.9891	
## 42	-1967.3103	776.47185	1790.0415	-1094.3902	-973.8334	
## 47	-789.7133	626.25467	-706.9336	-715.6473	-881.2066	
## 48	-1476.0352	-82.40416	-483.0731	-1306.1864	-1184.2437	
## 49	-2220.5830	1622.53074	-1565.8788	-1338.9146	-854.4335	
## 41	-1601.4178	-21.54314	-527.1030	-648.9791	-646.7221	
## 43	-996.3214	1395.36131	561.6409	-752.1003	-585.7773	
## 44	-1119.6766	-76.55102	-1042.4080	-1176.4917	-860.5997	
## 45	-1699.9785	-312.86698	-550.4014	-1339.1951	-814.8266	
## 46	-1295.9391	661.19121	-814.5300	-873.0190	-702.0513	
## 70	-1103.8530	134.03092	-663.5168	-766.8610	-847.7391	
## 72	-1075.0646	-106.91789	-1105.0311	-1148.8282	-943.6733	
## 68	-2395.3518	-322.62256	-658.6229	-1396.0781	-1038.2596	
##	X04470_s_at	X04706_s_at	Z11518_s_at	X06700_s_at	X12530_s_at	X07619_s_at
## 39	5.687058	-901.9486	-438.4751	-507.1378	-283.9839	-515.72066
## 40	-1289.173989	-989.7555	-448.4989	-427.7700	850.5168	495.82099
## 42	-484.908864	-1317.6434	-491.6065	-757.2778	-685.8368	-1116.71549
## 47	118.684614	-711.2905	-310.4626	-325.7115	-247.2886	-798.42694
## 48	-565.819920	-1190.7763	-685.5851	-866.3216	-1273.5232	-1639.35132
## 49	-1692.454898	-1166.5092	-476.8874	-413.5993	4618.8937	-53.51203
## 41	-1102.628800	-639.9512	-179.5306	-572.2423	-782.1399	-452.62323
## 43	864.811971	-632.0951	-299.4491	-465.7721	-227.8670	-97.33504
## 44	-808.329750	-744.6968	-299.2663	-549.2528	-610.6131	-160.63740
## 45	-46.200955	-765.5270	-178.4135	-321.8305	-1108.3833	-554.88321
## 46	-339.869686	-708.8000	-391.6099	-564.8272	-531.0836	-60.92238
## 70	-32.218461	-683.7363	-495.0208	-456.8284	1376.4081	-135.56267
## 72	-514.922585	-1072.7595	-639.3986	-809.9768	-337.4290	-1621.37600
## 68	-741.532047	-1330.6235	-416.4408	-721.8957	-1031.7141	-1265.16890
##	X65965_s_at	X13100_s_at	X14885_rna1_s_at	X52426_s_at	X14690_s_at	
## 39	3496.75852	-397.7066	-783.9345	276.0466	-610.1319	
## 40	-56.95165	-264.2414	-837.7430	-1805.0951	-579.7824	
## 42	8309.03559	-748.3477	-719.3247	-2563.3964	-469.2811	
## 47	168.78810	-584.9425	-630.6892	-689.5063	-521.7686	
## 48	107.04256	-898.9848	-1127.6274	-1911.5449	-785.7523	
## 49	79.61116	-439.7875	-1221.0679	-2080.9127	-651.4752	
## 41	-366.85860	-696.3753	-802.4526	-527.1030	-542.9018	
## 43	595.32659	-701.5718	-533.1434	-880.5269	-360.5044	
## 44	-110.64009	-524.2542	-708.3351	-1840.0923	-524.2542	
## 45	1739.78917	-678.1322	-539.1970	-1285.4137	-561.6059	
## 46	1140.35070	-609.8187	-762.7898	-1637.8745	-589.5725	
## 70	495.73566	-701.7092	-569.1590	-730.9152	-396.1698	
## 72	7467.67780	-533.3635	-780.0104	-1978.6683	-842.2484	
## 68	94.10510	-1033.8960	-1001.1687	-2543.7156	-1029.5323	
##	X15954_rna1_s_at	X15729_s_at	X16260_s_at	X16504_s_at	X16660_cds1_s_at	
## 39	-1037.1284	4284.234	-196.0098	-2006.9897	-2549.854	
## 40	-782.4657	6907.984	-112.2289	-2235.7971	-4101.405	
## 42	-1431.5025	6869.052	289.7798	-2297.7250	-1900.334	
## 47	-1046.7659	3268.669	-160.1522	-1260.2503	-2305.888	
## 48	-1881.0592	11221.250	-973.0215	-2516.9034	-4182.728	
## 49	-716.9456	4212.977	-640.5635	-2685.4229	-3340.127	
## 41	-971.7249	3668.593	-590.2980	-1247.0745	-1644.300	
## 43	-813.1556	3900.733	-596.3041	-1750.0383	-2903.773	
## 44	-983.3203	1523.363	-301.5389	-1099.2232	-1590.106	
## 45	-1460.2032	5663.589	-306.1443	-1675.3287	-1471.408	

## 46	-623.3161	7475.154	-607.5691	-920.2601	-1523.146	
## 70	-654.5303	4649.724	-607.3515	-1128.5657	-1483.531	
## 72	-1434.6620	10160.048	-607.1270	-2068.5676	-2423.555	
## 68	-2443.3518	10326.842	-802.6230	-2467.3519	-2314.624	
##	X70944_s_at	X56681_s_at	X60955_s_at	X53296_s_at	X61755_rna1_s_at	X53390_s_at
## 39	1730.8385	47065.416	-964.1742	85.07836	-1494.1648	280.3380
## 40	735.3558	18557.667	-1114.1293	-130.65467	-1936.3786	-344.8541
## 42	2741.1002	36331.780	-931.4153	394.70883	-2712.9760	104.4796
## 47	1406.1263	8601.422	-743.9666	-367.10132	-831.1031	1149.0736
## 48	2212.7319	29186.025	-1266.9905	-311.04675	-1606.6881	1291.6289
## 49	581.5511	22112.590	-1170.8739	753.95649	-644.9282	1797.1185
## 41	1113.7097	12768.671	-599.3259	-123.10651	-608.3537	1526.7340
## 43	161.6236	14749.625	-541.5648	68.98797	-1339.4942	1233.2490
## 44	537.0523	6873.074	-708.3351	-419.71434	-960.5943	1382.4612
## 45	108.4205	26342.531	-991.8570	-527.99252	-886.5351	1139.2304
## 46	254.0181	21062.587	-672.8068	-112.66261	-616.5674	1156.0977
## 70	666.4783	31096.855	-654.5303	214.90900	-1249.8829	945.0583
## 72	4498.6945	30797.709	-948.2835	-383.53124	-1268.6940	517.7673
## 68	1536.2883	29400.314	-1328.4417	-348.80440	-2129.1697	541.3782
##	X55037_s_at	Y00451_s_at	X58431_rna2_s_at	X59932_s_at	X60104_s_at	X63522_s_at
## 39	612.923212	-273.25535	37.872720	2595.5600	-989.9227	-1052.1484
## 40	647.833467	339.20208	81.241512	670.8657	-1821.2177	-916.0525
## 42	475.079995	-411.23530	-194.679674	1604.7413	-429.0956	-732.7199
## 47	617.541018	-90.44296	210.177929	2307.9889	-1201.4332	-794.0701
## 48	2.520232	-419.92417	-417.746624	4573.1945	-1935.4979	-1025.2826
## 49	446.245514	-623.10469	904.538460	3667.3902	-1801.5723	-1458.9437
## 41	321.515357	-235.95470	-328.490217	2553.6526	-1301.2416	-793.4248
## 43	479.532096	-162.60103	469.005323	1456.4166	-743.6789	-575.2505
## 44	862.034743	48.44224	-60.642786	2425.5868	-1408.2974	-862.8723
## 45	487.131103	-142.55927	-153.763723	2373.9613	-1612.5838	-906.7031
## 46	355.249006	-551.32974	-141.907081	3020.9954	-1259.9459	-479.3433
## 70	596.833255	-411.89610	-281.592534	1587.5897	-901.6578	-683.7363
## 72	-23.933882	-623.26282	3.727454	2124.4298	-2027.0756	-1058.9288
## 68	-850.623058	-521.16820	-652.077417	1623.5611	-2225.1698	-892.0776
##	X74874_rna1_s_at	X83492_at	X83492_s_at	X83490_s_at	X89101_s_at	X64877_at
## 39	587.17468	-20.06147	-339.7724	-633.7348	63.62125	-507.13782
## 40	1048.59363	1965.27492	-225.0867	-577.4792	532.67250	-384.00879
## 42	260.75690	-194.67967	-442.4908	-603.2331	-158.95916	-549.65230
## 47	484.65787	-201.54199	-238.5750	-639.4028	96.90049	-621.97555
## 48	2012.39748	-628.96883	-763.9768	-1064.4785	-104.17964	-938.18071
## 49	116.71106	494.25716	-483.4345	-581.6401	35.96421	-44.78264
## 41	1264.92623	172.55575	-608.3537	-752.7994	484.01675	-529.36000
## 43	35.30229	424.79288	-611.0415	-371.0311	1593.26463	-726.83604
## 44	-185.63605	64.35048	-487.8925	-492.4377	748.40451	-460.62122
## 45	-438.35688	-207.54511	-521.2698	-539.1970	540.91249	-371.13015
## 46	251.76855	240.52068	-443.3501	-560.3280	811.91274	-614.31784
## 70	-164.76864	1034.92284	-382.6901	-542.1997	331.73289	-456.82837
## 72	1605.77980	-667.05993	-625.5679	-733.9082	-134.57922	-531.05836
## 68	399.55993	-724.07748	-924.8049	-964.0777	-929.16859	-595.35009
##	X64877_s_at	X66276_s_at	X66894_s_at	X98337_s_at	X69116_s_at	Z25521_s_at
## 39	-835.4316	-277.54677	836.07713	-423.4551	-537.1778	359.7293
## 40	-651.1822	-752.52389	866.63930	-476.1376	-506.0794	822.8781
## 42	-739.4175	-121.00611	760.84412	-522.8619	-659.0464	1647.1594
## 47	-730.8962	92.54367	271.17347	-665.5438	-648.1165	1373.4501

## 48	-1099.3193	-655.09941	313.90966	-962.1337	-946.8909	1881.7446
## 49	-832.6100	607.73922	1596.34257	-572.9107	-492.1639	129.8051
## 41	-585.7841	-533.87392	-55.39760	-759.5703	-497.7625	802.2486
## 43	-707.8878	-309.97585	180.57176	-465.7721	-526.8274	955.3422
## 44	-751.5146	-387.89787	77.98610	-503.8007	-583.3419	930.2129
## 45	-758.8043	-93.25967	27.74845	-496.6200	-649.0006	1849.5928
## 46	-515.3365	-564.82719	-18.18045	-659.3093	-405.1074	409.2388
## 70	-596.1184	-81.64395	138.52415	-548.9395	-497.2674	677.7113
## 72	-791.5359	-125.35878	280.34081	-754.6542	-632.4833	928.0771
## 68	-968.4414	-259.34978	373.37809	-974.9868	-785.1685	3672.2903
##	X85781_s_at	X86428_s_at	X74987_s_at	X76223_s_at	X77567_s_at	X79200_at
## 39	-680.94040	-1721.610	-427.7465	-479.24358	-75.84995	969.11120
## 40	16.75137	-2074.572	-340.2476	-658.09189	-1374.39310	1156.84494
## 42	-926.95025	-1915.962	-806.3935	75.45673	-882.29960	309.87261
## 47	-669.90062	-1674.149	-380.1718	-852.88725	-438.98892	-214.61246
## 48	-69.33887	-1918.078	-685.5851	-968.66639	-533.15669	-64.98377
## 49	-287.02320	-2078.730	-804.2395	-1463.30842	-915.53924	195.27557
## 41	-551.92963	-1693.953	-398.4561	-825.02225	-459.39412	-77.96724
## 43	-661.57005	-1396.339	-461.5614	-682.62359	-859.47337	306.89303
## 44	-131.09353	-1233.307	-785.6037	-794.69412	-687.88170	1041.57052
## 45	955.47732	-1659.642	-899.9804	-1354.88130	-539.19698	1004.77692
## 46	-317.37394	-1185.710	-434.3518	-1172.21246	-893.26515	17.81275
## 70	-292.82560	-1110.593	-400.6630	-632.06420	-542.19967	-135.56267
## 72	-505.70214	-1683.614	-549.4993	-823.80750	-374.31080	261.89992
## 68	-573.53189	-1753.897	-654.2592	-1568.44191	-728.44113	598.10558
##	X79200_s_at	Z34974_s_at	X79683_s_at	X97267_rna1_s_at	X81836_s_at	X82206_s_at
## 39	-552.1977	-938.4257	-371.9580	1898.2040	-573.6549	-108.03561
## 40	-1747.5146	-1609.3215	-165.2030	1034.7743	-665.0016	401.38900
## 42	-757.2778	-1310.9458	-556.3499	1323.4422	-701.4645	325.50034
## 47	-661.1870	-443.3457	-554.4448	3364.5189	-822.3895	96.90049
## 48	-1012.2174	-1848.3960	-824.9482	8987.0853	-1097.1417	-467.83024
## 49	-841.3394	-2340.6121	-252.1056	3920.5425	-601.2812	-273.92911
## 41	-800.1957	-1127.4554	-678.3196	7726.6136	-696.3753	-3.48743
## 43	-571.0398	-1472.1315	-552.0916	3652.3013	-600.5148	241.62704
## 44	-765.1503	-1394.6618	-590.1597	3807.3305	-3733.1721	282.52053
## 45	-673.6504	-848.4399	-711.7456	5105.6075	-3860.1974	-301.66253
## 46	-715.5487	-848.2736	-389.3603	6881.2662	-636.8136	-40.67620
## 70	-625.3244	-1350.9805	-220.9340	12027.6016	-490.5276	-32.21846
## 72	-717.7724	-1349.3729	-593.2964	916.5515	-680.8906	-109.22300
## 68	-1007.7141	-1446.2600	-654.2592	6979.9298	-857.1685	-176.44061
##	Z70218_s_at	X83301_s_at	X83535_s_at	X87871_s_at	Z49825_s_at	Z69043_s_at
## 39	-831.1402	-1183.0367	-3652.750	788.8715	2668.5141	1524.850
## 40	-471.5311	-807.8011	-6238.792	-665.0016	1649.7339	1389.470
## 42	-819.7887	-866.6719	-3541.245	-1188.1565	662.6127	4330.663
## 47	-918.2396	-794.0701	-2488.875	-665.5438	1689.3198	3854.662
## 48	-909.8726	-1055.7683	-3886.581	-1421.5965	220.2751	5418.083
## 49	-708.2162	-1210.1561	-5529.022	-516.1697	4202.0653	1212.249
## 41	-894.9881	-1039.4338	-3170.008	-290.1218	357.6268	2257.990
## 43	-1046.8499	-1335.2835	-2766.925	-244.7099	951.1315	2397.510
## 44	-787.8763	-5051.2828	-3083.207	-437.8952	1202.9255	1857.436
## 45	-964.9663	-3819.8614	-3593.531	1423.8235	1089.9308	3973.957
## 46	-803.2821	-796.5334	-2956.125	-396.1091	1893.9583	2319.128
## 70	-663.5168	-697.2160	-2889.911	-335.5113	1511.2049	1048.403
## 72	-874.5199	-1091.2004	-3315.633	-955.1988	485.4957	2412.569

## 68	-791.7139	-1158.2597	-2024.442	-1188.8052	-106.6224	7390.112
##	X90846_at	X90846_s_at	X95240_s_at	X95632_s_at	X98178_s_at	X98534_s_at
## 39	535.67762	-7073.013	-773.2059596	-558.6349	-386.9780	-743.16601
## 40	1863.93327	-8548.921	-600.5114096	-308.0026	-264.2414	599.46586
## 42	-47.33255	-7666.965	-545.1872341	-817.5562	-344.2593	361.22085
## 47	-90.44296	-4198.928	-698.2199771	-881.2066	-384.5286	-123.11914
## 48	-387.26095	-6604.162	-1079.7213612	-912.0501	-818.4155	261.64850
## 49	575.00401	-8732.707	-732.2220596	-498.7109	-389.5935	-22.95917
## 41	-98.27991	-4406.824	-739.2576286	-621.8955	-565.4714	-459.39412
## 43	772.17637	-7533.447	-0.4887328	-686.8343	-486.8256	-126.81000
## 44	148.43685	-4819.477	-1283.3041428	-981.0477	-1590.1058	-1337.84666
## 45	-68.60987	-5484.843	-1399.6991196	-931.3529	-1827.7093	-1534.15258
## 46	204.52748	-3799.716	-551.3297412	-499.5895	-616.5674	-96.91558
## 70	801.27506	-2299.051	-497.2674078	-645.5439	-546.6929	506.96872
## 72	-468.82036	-5189.688	-816.8921637	-634.7884	-411.1926	-169.15589
## 68	-652.07742	-6717.538	-953.1686092	-868.0776	-340.0771	290.46892
##	X99886_s_at	Y10514_s_at	Y10508_s_at	Z11899_s_at	Z35402_rna1_s_at	Z48519_s_at
## 39	-427.7465	-614.4234	-974.9028	1110.72812	224.549558	-314.02385
## 40	-506.0794	-559.0535	-1028.9102	1007.13568	30.570687	-662.69833
## 42	-565.2800	-623.3259	-991.6937	258.52437	104.479645	-726.02234
## 47	-567.5152	-554.4448	-698.2200	114.32779	-425.918447	-497.80605
## 48	-999.1521	-1018.7500	-1155.9356	128.81804	-635.501472	-1005.68471
## 49	-411.4170	-520.5344	-1039.9330	1286.44925	978.738270	-77.51785
## 41	-658.0069	-583.5271	-775.3690	-310.43451	-147.933113	-800.19565
## 43	-324.7133	-446.8239	-888.9483	818.49417	266.891290	-768.94313
## 44	-521.9816	-815.1476	-1233.3068	-83.36883	2.990147	-501.52811
## 45	-451.8022	-781.2132	-1101.6606	-288.21718	-84.296102	-368.88926
## 46	-596.3212	-587.3229	-803.2821	397.99093	-58.672804	-441.10056
## 70	-420.8826	-564.6658	-659.0236	322.74644	-281.592534	-508.50047
## 72	-724.6877	-731.6030	-853.7739	757.49884	-5.492991	-768.48483
## 68	-830.9867	-796.0776	-1197.5325	465.01454	-401.168091	-1079.71418
##	AF000424_s_at	D83174_s_at	U46006_s_at	HG3546-HT3744_s_at	HG4677-HT5102_s_at	
## 39	-144.51270	385.47787	-170.26123	-670.21184	-45.81000	
## 40	-326.42831	1548.39222	152.64131	76.63507	1027.86466	
## 42	678.24043	678.24043	-621.09333	-371.04972	-540.72217	
## 47	-508.69811	-22.91218	-563.15842	31.54812	-14.19853	
## 48	2489.28059	594.81342	627.47665	30.82836	13.40797	
## 49	-55.69438	247.65190	-531.44610	-581.64009	-404.86996	
## 41	-750.54245	159.01396	463.70408	-91.50902	-179.53061	
## 43	1906.96245	1391.15060	-381.55790	-36.27976	-389.97932	
## 44	1732.44236	-112.91270	21.17099	-137.91135	-792.42152	
## 45	-640.03707	473.68576	-409.22530	-234.43580	-857.40350	
## 46	150.53768	195.52918	-308.37564	-76.66940	-146.40623	
## 70	1360.68177	551.90099	-414.14272	-324.27819	-146.79574	
## 72	962.65375	310.30725	-505.70214	-800.75638	-344.34435	
## 68	-992.44137	168.28699	2262.83441	-252.80431	-158.98604	
##	K02882_cds1_s_at	M36430_s_at	M95936_s_at	S82297_at	X89399_s_at	
## 39	110.82689	2679.2427	1297.404954	49769.01	1906.787	
## 40	447.45339	866.6393	-1033.516644	25838.14	1152.238	
## 42	-409.00277	1466.3243	298.709949	34237.66	4790.565	
## 47	-284.32165	1157.7873	571.794361	46290.13	4142.212	
## 48	734.17652	2045.0607	464.160510	17557.92	4806.192	
## 49	627.38035	2152.8411	393.869178	29929.76	3621.561	
## 41	477.24586	1770.4861	170.298783	27429.91	4203.493	

## 43	-15.22621	1795.3787	100.568284	41359.20	4538.656	
## 44	-585.61448	2557.3979	-153.819581	37869.13	3591.433	
## 45	-875.33063	213.7424	-3.624026	28124.04	6976.751	
## 46	949.13682	2791.5388	137.040226	38193.10	3061.488	
## 70	221.64884	1695.4271	-292.825600	34087.10	4092.564	
## 72	24.47346	1303.8102	752.888622	28607.85	3675.770	
## 68	-60.80413	3166.1080	955.924094	22523.22	10599.570	
##	HG3996-HT4266_at	M21305_at	M58460_at	S77582_at	U33880_at	X14474_at
## 39	-1803.147	20229.0113	-689.5232	-371.9580	-620.8605	-599.4034
## 40	-3440.381	2511.1379	-655.7887	-418.5571	-694.9434	-644.2726
## 42	-2491.955	11155.5142	-755.0453	-565.2800	-779.6031	-621.0933
## 47	-1467.199	-595.8346	-626.3324	-543.5527	-765.7508	-438.9889
## 48	-2405.848	-1025.2826	-1016.5725	-792.2850	-1044.8806	-811.8829
## 49	-2929.846	7091.4932	-725.6750	-638.3811	-677.6634	-570.7284
## 41	-2014.442	-782.1399	-490.9916	-445.8523	-642.2082	-396.1991
## 43	-2103.738	-1472.1315	-491.0363	-562.6184	-697.3611	-345.7669
## 44	-2426.424	4307.3035	-603.7953	-535.6172	-815.1476	-390.1705
## 45	-2560.481	1056.3174	-601.9419	-445.0796	-1050.1201	-713.9865
## 46	-2036.049	805.1640	-695.3025	-461.3467	-501.8391	-643.5623
## 70	-2233.899	14058.5400	-571.4056	-366.9638	-526.4734	-216.4407
## 72	-1609.850	13341.1014	-724.6877	-579.4657	-777.7053	-584.0759
## 68	-2164.079	2481.0164	-1112.4415	-789.5321	-1001.1687	-636.8047
##	HG2147-HT2217_at	HG2147-HT2217_r_at	HG2171-HT2241_at	HG2171-HT2241_r_at		
## 39	664.42027		-247.5068		-4322.212	-5113.979
## 40	7596.64618		2133.4099		-2859.970	-3500.265
## 42	838.98275		-940.3454		-2998.740	-5523.734
## 47	3693.45911		-321.3547		-2497.588	-2423.522
## 48	4675.53927		-798.8176		-3557.772	-3492.445
## 49	3126.16807		-551.0872		-5105.646	-5513.745
## 41	2822.23125		-186.3015		-2474.863	-4589.638
## 43	2605.94015		-758.4164		-2893.246	-6015.487
## 44	1530.18054		-192.4539		-2644.594	-5053.555
## 45	68.08449		-644.5189		-3248.434	-6645.625
## 46	1248.33030		-762.7898		-2758.163	-2875.141
## 70	3124.27318		-1054.4275		-2029.458	-4476.020
## 72	1974.59760		-826.1126		-3426.278	-3700.586
## 68	526.10551		-844.0776		-3573.535	-5207.718
##	HG2239-HT2324_at	HG2239-HT2324_r_at	HG2365-HT2461_at	HG3033-HT3194_at		
## 39	-2425.4033		934.77983		-339.7724	-2440.423
## 40	-1980.1398		1716.52724		-621.2404	-5375.085
## 42	-2748.6965		1111.35168		-1246.2024	-3262.179
## 47	-1292.9265		-31.62583		-835.4599	-1443.237
## 48	-1970.3387		239.87302		-1700.3227	-2847.891
## 49	-3471.0680		3241.83248		-682.0281	-675.481
## 41	-1727.8078		-635.43729		-849.8489	-3239.974
## 43	-1451.0780		313.20909		-592.0934	-4032.243
## 44	-644.7022		489.32756		-696.9721	-2601.415
## 45	-1881.4907		375.08655		-902.2213	-1944.236
## 46	-1338.6810		793.91614		-627.8153	-1406.168
## 70	-1523.9697		527.18824		-773.6008	-1872.195
## 72	-1884.1587		243.45903		-1045.0982	-2658.676
## 68	-2899.3523		-542.98641		-1487.7146	-4230.263
##	HG3033-HT3194_r_at	HG3115-HT3291_at	HG3565-HT3768_at	HG3565-HT3768_r_at		
## 39	4170.5117		-695.9604		-2974.705	668.71169

## 40	2845.1047	-766.3432	-1747.515	389.87290		
## 42	1886.0404	-884.5321	-3514.455	5165.63021		
## 47	2981.1183	-589.2994	-1907.239	1493.26274		
## 48	-1288.7660	-940.3583	-3307.353	1113.06996		
## 49	-3453.6092	-740.9514	-4874.317	-601.28122		
## 41	689.4005	-599.3259	-1626.244	-427.79662		
## 43	-1735.3009	-364.7151	-2034.261	5454.48481		
## 44	6152.6586	-487.8925	-1342.392	684.77157		
## 45	778.4469	-398.0208	-1305.582	-39.47828		
## 46	2667.8122	-330.8714	-470.345	474.47648		
## 70	5292.2550	-600.6116	-1110.593	401.37790		
## 72	3519.0222	-761.5695	-2418.945	-395.05680		
## 68	-3503.7165	-828.8049	-3610.626	-719.71384		
##	HG3731-HT4001_at	HG3731-HT4001_r_at	HG3991-HT4261_at	HG3991-HT4261_r_at		
## 39	591.4661	-1685.1330	-1985.5326	9914.579		
## 40	-941.3879	-911.4460	-1494.1605	7967.464		
## 42	-571.9776	-621.0933	-2101.2622	4750.379		
## 47	-360.5661	-996.6625	-1687.2191	4665.031		
## 48	-831.4808	-1319.2517	-1785.2471	4875.874		
## 49	-869.7099	-1238.5266	-1500.4083	15353.860		
## 41	-574.4993	-1143.2541	-1003.3224	6738.063		
## 43	-101.5457	-1962.6791	-1796.3561	7766.164		
## 44	-1887.8170	-862.8723	-751.5146	6304.923		
## 45	-2040.5939	-913.4258	-1195.7780	8968.904		
## 46	-681.8051	-558.0785	-490.5912	5495.528		
## 70	-456.8284	-593.8718	-888.1781	12973.426		
## 72	-639.3986	-431.9386	-1821.9207	5547.520		
## 68	-796.0776	-817.8958	-2222.9880	6129.020		
##	HG4340-HT4610_at	HG4518-HT4921_at	HG4518-HT4921_r_at	HG4557-HT4962_at		
## 39	-805.3916	-1026.3998	-320.460983	394.06071		
## 40	-1282.2643	-890.7170	-280.363923	23.66103		
## 42	-980.5310	-877.8345	-755.045264	1339.06997		
## 47	-669.9006	-872.4930	1.050353	-192.82834		
## 48	-1182.0661	-1345.3823	-367.663009	845.23149		
## 49	-1085.7623	-1074.8506	64.334726	-156.08236		
## 41	-958.1831	-592.5550	-448.109299	788.70686		
## 43	-697.3611	-632.0951	-552.091615	490.05887		
## 44	-856.0544	-671.9735	-306.084099	648.40990		
## 45	-619.8691	-722.9500	-384.575496	65.84359		
## 46	-697.5521	-688.5538	-526.584416	326.00453		
## 70	-728.6686	-703.9558	-281.592534	-101.86347		
## 72	-966.7244	-1019.7420	-524.143031	1075.60420		
## 68	-1145.1688	-1306.6235	-920.441306	683.19656		
##	HG4557-HT4962_r_at	L11672_at	L11672_r_at	M21388_at	M21388_r_at	M55422_at
## 39	42.16414	12470.121	5430.044	-625.1519	1913.224	140.86684
## 40	-47.73877	23428.976	6574.017	-1157.8905	6979.383	843.60711
## 42	684.93802	7275.373	4920.052	-779.6031	6324.314	131.27003
## 47	-142.72485	9196.128	4331.734	-1214.5037	1144.717	155.71762
## 48	-12.72261	14796.785	6559.119	-1264.8130	5607.530	-49.74093
## 49	-660.20460	12689.214	2962.492	-1367.2851	12501.532	269.47538
## 41	414.05087	5286.836	2120.316	-572.2423	1009.889	-348.80289
## 43	407.95004	15004.373	3904.944	-888.9483	3302.812	273.20735
## 44	-62.91539	5134.532	2534.672	-660.6104	1998.337	-33.37153
## 45	-178.41352	4034.462	1907.856	-778.9723	2669.759	294.41448

##	46	-139.65751	8498.711	2784.790	-839.2753	1043.619	87.54957
##	70	-18.73878	8055.589	2459.276	-564.6658	4238.593	30.68671
##	72	455.52927	10971.447	7795.004	-1294.0502	2474.807	289.56125
##	68	-30.25865	3513.017	1931.198	-1223.7143	1966.107	-316.07710
##		M96132_at	U57341_at	U57341_r_at	U90546_at	U90546_r_at	X87344_cds10_at
##	39	-1271.0109	-112.32704	10536.836	-211.0297	-320.4610	265.3181
##	40	-1708.3599	-688.03374	11521.332	-121.4418	445.1502	378.3568
##	42	-1183.6915	10293.75674	7898.250	-714.8597	-192.4471	-268.3532
##	47	-1242.8230	4839.30395	5359.944	-822.3895	-96.9782	-571.8721
##	48	-1430.3067	3114.23701	10957.767	-683.4075	-378.5508	-345.8875
##	49	-1111.9505	-348.12892	13704.006	-1186.1503	-1587.7022	-596.9165
##	41	-962.6970	-59.91153	7370.013	-518.0752	-11572.6839	-1145.5111
##	43	-798.4181	19901.42746	11183.154	-606.8308	-1051.0606	-1036.3232
##	44	-819.6928	182.52592	7925.290	-531.0720	-362.8992	-787.8763
##	45	-944.7982	233.91042	7736.413	-568.3286	-588.4966	-790.1768
##	46	-920.2601	1250.57988	7637.123	-193.6473	-526.5844	-789.7847
##	70	-735.4084	2656.97762	11023.365	-407.4029	-317.5383	-259.1264
##	72	-1250.2531	556.95416	7048.148	-851.4688	-353.5648	-132.2741
##	68	-1378.6236	-52.07685	8539.931	-610.6228	-656.4411	-1262.9871
##		X87344_cds10_r_at	X98482_at	X98482_r_at	HG1067-HT1067_r_at		
##	39	3576.1498	-335.4810	43138.77	-1431.939		
##	40	9471.4667	-600.5114	28742.50	-2537.519		
##	42	-792.9983	-708.1621	23499.18	-1748.522		
##	47	138.2903	-580.5857	21493.27	-1961.699		
##	48	1918.7629	-809.7053	31028.23	-2427.624		
##	49	1965.1593	-819.5160	50051.00	-5430.816		
##	41	375.6825	-533.8739	24146.03	-1637.529		
##	43	-446.8239	-888.9483	26750.15	-1577.399		
##	44	2480.1293	-503.8007	25731.15	-1867.364		
##	45	424.3862	-597.4601	24760.46	-1372.808		
##	46	1828.7207	-558.0785	26506.56	-1111.474		
##	70	1252.8443	-600.6116	42107.51	-2139.542		
##	72	771.3295	-641.7037	28640.12	-2497.318		
##	68	-418.6227	-1044.8051	25217.77	-1921.897		
##		HG2566-HT4792_r_at	HG2702-HT2798_r_at	HG2887-HT3031_at	HG2887-HT3031_r_at		
##	39	-5828.501	-9300.261	-47800.75	606.48608		
##	40	-6245.702	-10730.070	-49645.26	-4829.22210		
##	42	-6847.626	-10087.030	-24127.43	-2286.56237		
##	47	-3595.508	-5998.297	-17759.54	-2667.50465		
##	48	-8176.352	-12807.997	-37915.13	-3357.43707		
##	49	-14343.523	-20868.741	-59125.29	-53.51203		
##	41	-4986.863	-8586.721	-18178.82	-4199.18313		
##	43	-9638.802	-12493.662	-29841.78	-2798.50488		
##	44	-4074.063	-5833.059	-22448.07	-2671.86565		
##	45	-4380.084	-6354.309	-12563.82	-3564.39983		
##	46	-5905.318	-6703.918	-19324.03	-1939.31755		
##	70	-7392.124	-11020.404	-26463.62	-2411.38191		
##	72	-4578.834	-6409.092	-20733.05	-1851.88713		
##	68	-9169.904	-10631.723	-28315.38	-3566.98925		
##		U34301_at	U34301_r_at	X94563_xpt2_r_at	Z46632_at	Z46632_r_at	AF001359_f_at
##	39	-1255.9909	509.92909	518.5119	-1140.1225	-1110.0826	-773.20596
##	40	-989.7555	290.83447	3570.6188	-213.5706	-1150.9808	1566.81798
##	42	-199.1447	765.30919	1171.6301	-1045.2745	-859.9743	-844.34655
##	47	-1841.8864	554.36706	1401.7694	-497.8061	-818.0327	-223.32611

## 48	-1210.3743	727.64388	276.8913	-1118.9172	-1112.3846	235.51792
## 49	-1917.2367	450.61021	219.2814	-841.3394	-880.6217	-908.99220
## 41	-1219.9909	-91.50902	1596.6999	-624.1525	-737.0007	77.76327
## 43	-345.7669	519.53383	1629.0557	-269.9741	-558.4077	-522.61665
## 44	-265.1772	1032.48010	3875.5086	-599.2501	-646.9748	850.67172
## 45	-776.7314	531.94892	661.9206	-758.8043	-449.5613	-386.81639
## 46	-587.3229	413.73796	1459.7904	-522.0853	-580.5742	-434.35184
## 70	-654.5303	277.81417	1760.5789	-521.9802	-771.3542	-670.25663
## 72	-1358.5933	264.20503	-272.8859	-998.9960	-902.1813	-966.72440
## 68	-1629.5329	-586.62281	-769.8957	-990.2596	-1097.1687	-1531.35097
##	HG1034-HT1034_f_at	HG2148-HT2218_f_at	HG3141-HT3317_f_at	HG3236-HT3413_f_at		
## 39	-1172.3082	705.188776	-1161.5796	1913.22395		
## 40	-1077.2778	931.129444	-1556.3474	1099.26446		
## 42	-1199.3192	187.083337	-1621.2678	6384.59281		
## 47	-539.1959	1.050353	-1229.7526	1277.59993		
## 48	-1075.3663	168.013917	-1149.4029	516.42167		
## 49	-1382.5616	1506.866331	-2615.5878	12451.33834		
## 41	-809.2235	-242.725593	-1037.1769	1357.46174		
## 43	-1025.7964	-152.074258	-1032.1124	75.30403		
## 44	-1212.8534	-696.972117	302.9740	3457.34937		
## 45	-1233.8732	-1267.486551	-438.3569	2342.58885		
## 46	-688.5538	-227.390933	-164.4028	955.88555		
## 70	-975.7960	-317.538346	-867.9586	3252.33014		
## 72	-1183.4049	195.051691	-1621.3760	944.21286		
## 68	-1474.6236	-272.440697	-1308.8053	1311.56079		
##	HG3576-HT3779_f_at	HG3597-HT3800_f_at	HG3635-HT3845_f_at	HG3729-HT3999_f_at		
## 39	15199.465	14173.815	-215.3212	-809.68304		
## 40	23495.769	13135.889	-462.3182	-333.33797		
## 42	8034.434	22918.727	-464.8161	-755.04526		
## 47	9265.838	12537.813	-571.8721	-635.04602		
## 48	17172.490	20643.502	-698.6504	-1016.57246		
## 49	9699.398	12593.191	-660.2046	-828.24534		
## 41	8737.733	6367.921	-490.9916	-511.30428		
## 43	16713.921	8389.349	-491.0363	-682.62359		
## 44	18888.336	18302.004	-451.5308	-83.36883		
## 45	13939.200	14127.435	-335.2759	303.37804		
## 46	26290.600	19528.377	-513.0870	-585.07337		
## 70	5103.539	3838.696	-625.3244	-600.61162		
## 72	15627.772	17418.843	-726.9928	-634.78837		
## 68	17018.485	17417.758	-614.9865	-837.53214		
##	HG3921-HT4191_f_at	HG4417-HT4687_f_at	HG688-HT688_f_at	J02982_f_at		
## 39	-680.9404	-569.3634	13856.250	316.8151224		
## 40	-982.8458	-669.6080	10705.992	458.9694817		
## 42	468.3824	-603.2331	7134.724	3147.4210750		
## 47	-698.2200	-706.9336	4407.978	495.5499324		
## 48	-1617.5758	-1088.4316	9350.736	368.3483768		
## 49	-1701.1843	-690.7575	6314.578	77.4288106		
## 41	-1007.8363	-658.0069	2465.631	-254.0104118		
## 43	-571.0398	-617.3576	5570.279	3136.4894890		
## 44	-640.1570	-451.5308	11213.749	-203.8168854		
## 45	-1043.3975	-458.5249	4453.508	-297.1807473		
## 46	-819.0292	-522.0853	10395.102	-0.1838526		
## 70	-937.6036	-533.2132	3645.487	-144.5491245		
## 72	-1469.2387	-743.1286	10003.300	-245.2245650		

## 68	-1747.3512	-990.2596	6781.384	-52.0768534		
##	J03801_f_at	L05514_f_at	L49173_f_at	L49219_f_at	L49229_f_at	L76670_f_at
## 39	793.1629	-599.4034	-595.11196	-39.37287	-241.06968	-1352.5479
## 40	424.4212	-563.6599	-236.60276	-658.09189	-185.93193	-2424.6611
## 42	8329.1284	-866.6719	-505.00165	-328.63161	-453.65341	-1761.9173
## 47	1382.1637	-580.5857	-635.04602	-310.46260	-397.59909	-1783.0693
## 48	-426.4568	-912.0501	-726.95851	-1053.59078	-1012.21736	-2181.5609
## 49	4265.3534	-590.3695	62.15238	-535.81080	-723.49267	-1825.5781
## 41	2246.7055	-621.8955	-472.93590	-603.83980	-511.30428	-1102.6288
## 43	8940.9519	-491.0363	-305.76514	-263.65805	-465.77208	-1082.6410
## 44	2334.6826	-778.7859	-301.53889	-496.98290	-431.07736	-1024.2272
## 45	675.3659	-843.9582	-559.36499	-615.38727	-406.98441	-1090.4562
## 46	1997.4388	-472.5946	-528.83399	-333.12096	-256.63541	-989.9969
## 70	4173.4416	-463.5682	-297.31883	-299.56544	-348.99093	-926.3705
## 72	393.2913	-918.3171	-503.39703	-381.22613	-752.34905	-1764.2929
## 68	4658.4730	-889.8958	-647.71378	-566.98643	-17.16773	-1825.8967
##	M19045_f_at	M23575_f_at	S78693_f_at	X14008_rna1_f_at	X59244_f_at	X97230_f_at
## 39	1327.4449	-232.4868	-620.8605	1093.56243	130.13828	-964.1742
## 40	650.1367	-727.1885	-439.2861	509.64031	233.25399	-764.0400
## 42	8780.0999	-467.0486	-614.3957	5154.46755	100.01458	-1087.6926
## 47	1630.5027	-513.0549	-752.6803	1506.33321	-181.93628	-702.5768
## 48	-574.5301	-578.8852	-868.4992	-367.66301	239.87302	-1155.9356
## 49	4590.5231	-428.8758	-300.1173	3848.52505	-245.55860	-1249.4384
## 41	1919.4457	-454.8802	-615.1246	1978.12679	-217.89899	-599.3259
## 43	8547.2506	-606.8308	-425.7703	8804.10383	220.57349	-855.2627
## 44	2648.3021	-646.9748	-237.9060	2886.92558	446.14807	-285.6307
## 45	664.1615	-622.1099	-243.3994	126.34765	233.91042	-657.9642
## 46	1066.1147	-321.8731	-659.3093	964.88385	-146.40623	-396.1091
## 70	4944.0299	-515.2403	-562.4192	4061.11092	-243.40011	-654.5303
## 72	347.1890	-464.2101	-773.0950	-12.40833	15.25301	-1072.7595
## 68	3942.8360	-765.5321	-977.1686	3528.29015	-619.35011	-1252.0780
##	D16154_at	D17793_at	D38024_at	D49728_at	D87017_cds3_at	D90042_at
## 39	-850.4515	-584.3834	924.05128	529.24049	1891.7668	-515.7207
## 40	-793.9818	323.0795	963.37451	1189.09001	2819.7693	-455.4086
## 42	-748.3477	-444.7233	-210.30740	1258.69881	2243.2455	-444.7233
## 47	-735.2530	168.7881	-508.69811	443.26804	1356.0228	-595.8346
## 48	-983.9092	-1016.5725	-517.91385	945.39872	999.8374	-861.9665
## 49	-878.4393	-485.6168	1764.38332	2336.15833	3099.9799	-424.5111
## 41	-739.2576	-389.4282	-330.74718	64.22148	1562.8454	-547.4157
## 43	-566.8291	-345.7669	85.83080	1071.13671	1719.5859	-457.3507
## 44	-596.9775	-426.5322	162.07248	614.32083	1748.3506	-458.3486
## 45	-610.9055	-359.9257	-326.31233	1419.34176	2719.0585	-436.1160
## 46	-693.0530	-515.3365	231.52238	501.47138	919.8923	-585.0734
## 70	-607.3515	-425.3758	-122.08299	57.64607	1821.2375	-247.8933
## 72	-789.2308	-835.3331	-40.06966	1227.74155	757.4988	-602.5168
## 68	-776.4412	-588.8046	-2074.62421	142.10515	1743.5612	-911.7140
##	HG1980-HT2023_at	HG1996-HT2044_at	HG2149-HT2219_at	HG2160-HT2230_at		
## 39	10049.759	-1037.1284	48.601274	-500.7007		
## 40	2776.008	-966.7233	592.556203	-618.9372		
## 42	17781.670	-884.5321	-529.559508	-810.8586		
## 47	8738.662	-1031.5171	-639.402846	-639.4028		
## 48	12813.038	-1321.4292	-241.365197	-1060.1234		
## 49	24901.630	-1587.7022	-236.829209	-745.3161		
## 41	16768.011	-750.5424	-308.177543	-585.7841		

## 43	10044.158	-794.2074	-396.295381	-486.8256	
## 44	9768.373	-924.2326	-110.640091	-542.4350	
## 45	14840.038	-931.3529	-164.968178	-678.1322	
## 46	7718.108	-616.5674	-4.683003	-603.0700	
## 70	12800.437	-937.6036	1.480738	-593.8718	
## 72	13103.675	-1275.6093	-346.649462	-733.9082	
## 68	11618.480	-900.8049	-575.713709	-894.2595	
##	HG2600-HT2696_at	HG3491-HT3685_at	HG3513-HT3707_at	HG3636-HT3846_at	
## 39	-2425.403	-871.9087	-747.4574	1404.6905	
## 40	-1855.766	-492.2601	-540.6277	562.6144	
## 42	-2567.861	-792.9983	-580.9077	729.5887	
## 47	-1824.459	-835.4599	-802.7838	554.3671	
## 48	-2251.242	-1162.4682	-936.0032	723.2888	
## 49	-2650.505	-1144.6857	-601.2812	1607.2543	
## 41	-1750.377	-597.0689	-642.2082	456.9332	
## 43	-2838.507	-722.6253	-558.4077	965.8690	
## 44	-1462.840	-487.8925	-396.9883	1384.7338	
## 45	-1496.057	-651.2415	-335.2759	529.7080	
## 46	-1347.679	-573.8255	-560.3280	877.1504	
## 70	-1499.257	-504.0072	-564.6658	515.9552	
## 72	-2179.213	-1305.5758	-777.7053	750.5835	
## 68	-2380.079	-1064.4414	-983.7141	997.3787	
##	HG4108-HT4378_at	HG4109-HT4379_at	HG4115-HT4385_at	HG4322-HT4592_at	
## 39	353.29221	-320.4610	-108.0356	-174.5526	
## 40	111.18336	249.3765	-752.5239	-692.6402	
## 42	245.12918	-717.0922	-1302.0157	305.4075	
## 47	127.39826	-489.0924	-462.9515	-406.3127	
## 48	-247.89784	-777.0421	-1123.2723	-851.0788	
## 49	605.55687	-345.9466	-1347.6440	-212.8234	
## 41	-272.06612	-511.3043	-585.7841	-646.7221	
## 43	-183.65458	-566.8291	-406.8222	-537.3541	
## 44	280.24793	-508.3459	-67.4606	-815.1476	
## 45	81.52983	-662.4460	-826.0310	-487.6565	
## 46	-135.15836	-427.6031	-724.5470	-414.1057	
## 70	48.65962	-400.6630	-268.1129	214.9090	
## 72	125.89835	-256.7501	-362.7852	1011.0611	
## 68	-401.16809	-865.8958	-1468.0782	-536.4409	
##	HG4593-HT4998_at	HG491-HT491_at	HG881-HT881_at	J00146_at	J00207_rna2_at
## 39	524.94907	-1140.1225	653.6917167	-365.5209	-283.9839
## 40	343.80852	-1012.7877	744.5686785	-559.0535	-625.8468
## 42	374.61604	-1038.5769	-0.4493699	-650.1162	-851.0441
## 47	-242.93182	-626.3324	-210.2556345	-438.9889	-521.7686
## 48	-389.43849	-1347.5598	-544.0444356	-700.8279	-818.4155
## 49	57.78768	-987.5567	743.0447551	-212.8234	-450.6993
## 41	-448.10930	-901.7590	-217.8989910	-366.8586	-484.2207
## 43	-299.44907	-651.0433	-541.5648422	-486.8256	-501.5631
## 44	-97.00446	-946.9586	-244.7237710	-710.6077	-612.8857
## 45	-283.73540	-657.9642	-232.1949083	-487.6565	-673.6504
## 46	-252.13626	-731.2957	-432.1022632	-612.0683	-668.3076
## 70	-209.70091	-703.9558	183.4564129	-317.5383	-555.6794
## 72	-376.61591	-819.1973	-348.9545728	-540.2788	-676.2804
## 68	-228.80429	-1188.8052	-300.8043599	-885.5322	-953.1686
##	J00210_rna1_at	J00220_cds5_at	J03910_rna1_at	J05412_at	K03431_cds1_at
## 39	-732.4375	-599.4034	-996.3599	297.50373	1840.2698

## 40	-489.9569	-420.8603	-1305.2965	424.42119	1200.6061		
## 42	-893.4623	-763.9754	-1304.2482	405.87150	1283.2567		
## 47	-802.7838	-484.7356	-1229.7526	35.90495	1070.6508		
## 48	-975.1990	-944.7134	-1221.2620	-54.09603	856.1192		
## 49	-653.6576	-594.7342	-1142.5034	832.52100	3036.6918		
## 41	-725.7158	-617.3816	-994.2945	-235.95470	375.6825		
## 43	-758.4164	-686.8343	-1147.9069	-51.01724	1986.9659		
## 44	-1771.9142	-1290.1220	-494.7103	-203.81689	727.9511		
## 45	-2040.5939	-1587.9340	-1206.9825	43.43468	1271.4430		
## 46	-578.3246	-551.3297	-886.5164	-168.90198	485.7244		
## 70	-843.2459	-337.7579	-867.9586	-171.50848	1097.8280		
## 72	-826.1126	-496.4817	-1453.1029	-104.61278	886.5851		
## 68	-1029.5323	-1252.0780	-1950.2605	-278.98616	451.9236		
##	L05187_at	L08010_at	L13740_at	L14430_at	L20433_at	L32606_at	
## 39	1290.967822	213.82100	250.29809	-655.1919	-1073.6055	-1597.1589	
## 40	3245.864870	350.71817	1159.14816	-605.1178	-1549.4378	-2429.2676	
## 42	535.358365	-313.00388	1807.90174	-804.1610	-1482.8508	-752.8127	
## 47	462.873749	-288.67848	-406.31274	-600.1914	-652.4733	-1072.9069	
## 48	250.760759	-868.49916	-443.87721	-1057.9459	-1057.9459	-1462.9699	
## 49	2163.752886	614.28626	356.76927	-804.2395	-1829.9428	-1264.7148	
## 41	-159.217932	-502.27643	-35.08492	-597.0689	-1021.3781	-1262.8732	
## 43	195.309237	-783.68061	220.57349	-558.4077	-1253.1747	-1379.4959	
## 44	84.803918	-15.19069	557.50571	-633.3392	-1058.3163	-1274.2137	
## 45	509.540013	-205.30422	3480.96148	-554.8832	-1101.6606	-767.7679	
## 46	4.315297	-333.12096	1718.49149	-704.3008	-414.1057	-1118.2227	
## 70	95.838495	-202.96107	1174.21286	-620.8311	-1110.5928	-1461.0645	
## 72	370.240148	-796.14616	425.56282	-791.5359	-809.9768	-897.5711	
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##	L34035_at	M10942_at	M10943_at	M12125_at	M13485_at	M14306_at	M16714_at
## 39	-751.7489	1235.17934	-174.5526	-86.57851	509.92909	-588.6748	-470.6607
## 40	-1054.2456	2255.48056	175.6735	-158.29330	-446.19571	-708.7627	-496.8665
## 42	-728.2549	-467.04861	-194.6797	-85.28559	-78.58800	-683.6042	-538.4896
## 47	-726.5393	1340.77388	-580.5857	-18.55536	234.14046	-698.2200	-334.4251
## 48	-1169.0008	91.79972	-467.8302	803.85807	-413.39153	-901.1624	-936.0032
## 49	-1011.5625	10825.48955	-110.2531	-572.91070	780.14466	-773.6867	-455.0639
## 41	-718.9450	781.93597	-490.9916	845.13096	-583.52713	-655.7500	-527.1030
## 43	-874.2109	1041.66175	-625.7790	843.75843	18.45946	-324.7133	-177.3385
## 44	-808.3297	239.34104	-690.1543	-167.45521	-290.17587	-619.7036	-537.8898
## 45	-687.0958	-95.50056	-830.5128	303.37804	-68.60987	-619.8691	-503.3427
## 46	-634.5640	508.22011	-236.3892	348.50028	-369.11416	-650.3110	-672.8068
## 70	-832.0128	527.18824	-521.9802	-211.94752	-351.23755	-665.7634	-593.8718
## 72	-865.2995	-226.78367	-270.5808	135.11880	-81.56166	-862.9944	-667.0599
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##	M19888_at	M21302_at	M21539_at	M23263_at	M30838_at	M31523_at	
## 39	-303.2953	42.16414	125.846862	737.3744376	730.937305	2554.7915	
## 40	-766.3432	-996.66513	465.879140	12.1449319	1209.818983	799.8459	
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## 48	-1103.6744	-809.70535	-128.132676	-260.9631334	657.962324	4270.5152	
## 49	-396.1406	-1188.33266	-175.723483	186.5461786	1535.236846	2508.5638	
## 41	-617.3816	-590.29802	-283.350941	-154.7040046	238.007697	2682.2995	
## 43	-773.1538	-288.92230	-274.184819	-0.4887328	479.532096	3955.4724	
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## 48 -951.2460 -892.4522 -1005.6847 -537.51179 -920.7603 -735.66870
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## 46 -594.0717 -549.0802 -663.8085 -76.66940 85.3000 -580.57422
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## 48 -1861.461 -1138.5152 -877.2094 -1236.5049 4978.2185 -885.9195
## 49 -2187.848 -369.9524 -345.9466 -1096.6741 5299.7860 -601.2812
## 41 -1350.895 -777.6260 -436.8245 -806.9665 1501.9074 -635.4373
## 43 -1086.852 -707.8878 -411.0329 -693.1504 2311.1905 -238.3938
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## 39 -700.2518 -1110.0826 -419.1637 1938.97248 -861.1801 866.1171
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## 48	-820.5931	-1047.0581	-1277.8783	-97.64700	-1236.5049	-1240.8599	
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## 43	1380.6238	-1642.6653	-1122.6427	180.57176	-457.3507	226.8896	
## 44	-340.1732	-951.5038	-703.7899	466.60152	-671.9735	141.6190	
## 45	-713.9865	-1135.2740	-635.5553	-337.51679	-539.1970	733.6291	
## 46	-821.2787	-994.4960	-697.5521	-15.93088	-724.5470	1239.3320	
## 70	-362.4706	-915.1375	-672.5032	318.25321	-665.7634	190.1963	
## 72	-823.8075	-952.8937	-708.5519	1036.41731	-971.3346	-865.2995	
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## 40	-593.6018	-1107.2197	-969.0265	-692.6402	327.68598	-966.7233	
## 42	-531.7920	-940.3454	-1252.9000	-440.2582	35054.77171	-947.0430	
## 47	-508.6981	-918.2396	-1109.9399	-550.0879	11202.44611	-630.6892	
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## 49	-201.9117	-1155.5974	-1740.4665	-607.8283	-682.02807	-915.5392	
## 41	-477.4498	-809.2235	-671.5487	-633.1803	-441.33841	-800.1957	
## 43	-263.6580	-726.8360	-808.9449	-752.1003	33702.02628	-611.0415	
## 44	-503.8007	-1085.5875	-619.7036	-201.5443	489.32756	-651.5200	
## 45	-433.8751	-1009.7841	-696.0593	-445.0796	-30.51472	-698.3002	
## 46	-537.8323	-645.8119	-855.0224	-508.5878	101.04702	-522.0853	
## 70	-357.9774	-692.7228	-755.6279	-515.2403	2901.85847	-823.0263	
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## 39	-633.73476	-562.9263	37.87272	-507.1378	-1275.3023	-959.8828	-82.28708
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## 42	-87.51813	-1080.9950	-467.04861	-78.5880	-962.6708	-897.9273	-737.18501
## 47	-380.17179	-626.3324	-223.32611	192.7506	-550.0879	-375.8150	-388.88544
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## 49	-507.44028	-893.7158	-352.49362	-450.6993	-891.5334	-1310.5441	-411.41700
## 41	-694.11835	-802.4526	-615.12462	-197.5863	-955.9262	-831.7931	-599.32587
## 43	-183.65458	-516.3006	-248.92057	-411.0329	-1133.1695	-971.0572	-1097.37843
## 44	-237.90596	-419.7143	-362.89922	-517.4363	-558.3432	-383.3527	-812.87496
## 45	-438.35688	-530.2334	-409.22530	256.3193	-803.6221	-705.0229	-725.19093
## 46	-744.79320	-848.2736	-535.58272	-339.8697	-486.0921	-688.5538	-578.32464
## 70	-310.79851	-721.9287	-241.15350	-209.7009	-978.0426	-555.6794	-140.05590
## 72	-524.14303	-962.1142	-348.95457	-279.8012	-897.5711	-1183.4049	-955.19884
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## 40	295.44091	924.219786	62.81576	1486.2053	-828.5301	-434.6796	-195.1448
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## 47	133.93350	27.191300	22.83448	1085.8997	-526.1254	-297.3921	-643.7597
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##	40	-600.5114	-736.4014	728.4461	-598.2082	-3.977603	-100.7128	
##	42	-319.7015	-748.3477	622.4271	-719.3247	-328.631608	-426.8630	
##	47	-526.1254	-580.5857	499.9068	-844.1736	51.153835	-652.4733	
##	48	335.6851	-1016.5725	638.3644	-1018.7500	-526.624048	-696.4728	
##	49	-230.2822	-815.1513	1877.8654	-655.8399	-273.929114	164.7227	
##	41	-366.8586	-592.5550	-560.9575	-628.6664	-687.347461	-669.2918	
##	43	-299.4491	-676.3075	-223.6563	-600.5148	-501.563107	-118.3886	
##	44	-1146.9479	-785.6037	557.5057	-708.3351	-619.703555	-444.7130	
##	45	-2473.0859	-1032.1930	511.7809	-696.0593	-541.437866	-483.1747	
##	46	-274.6320	-785.2855	458.7295	-508.5878	-373.613312	-513.0870	
##	70	-319.7850	-652.2837	183.4564	-569.1590	-387.183358	-495.0208	
##	72	-510.3124	-980.5551	591.5308	-773.0950	-466.515248	-524.1430	
##	68	277.3780	-1014.2596	585.0147	-1001.1687	-798.259373	-628.0774	
##		U76388_at	U82279_at	U82979_at	U83117_at	U84388_at	U92027_at	X00088_at
##	39	359.72934	-1264.5737	561.42615	-603.6948	-464.2236	-13.62434	-474.9522
##	40	1200.60611	-978.2394	-678.82087	-340.2476	781.4202	226.34433	-1134.8583
##	42	229.50145	-882.2996	-1016.25153	-638.9536	-516.1643	129.03750	-893.4623
##	47	-306.10577	-789.7133	-205.89881	-617.6187	-652.4733	-493.44923	-1101.2262
##	48	1496.31849	-1182.0661	-432.98946	-975.1990	-798.8176	-448.23230	-1188.5988
##	49	1199.15535	-1275.6266	92.70524	-688.5751	-337.2172	705.94485	-1103.2211
##	41	-86.99509	-725.7158	513.35728	-493.2486	147.7291	-303.66362	-770.8551
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##	70	228.38868	-971.3028	-297.31883	-463.5682	-326.5248	-326.52480	-901.6578
##	72	-14.71344	-992.0806	259.59481	-826.1126	-528.7533	-206.03767	-1035.8777
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##		X00948_at	X00949_at	X01703_at	X02956_at	X02958_at	X06825_at	X16546_at
##	39	-408.4351	-620.8605	3745.6610	-449.2036	-320.4610	-577.9463	-20.06147
##	40	-404.7378	-556.7502	1753.3787	-618.9372	-397.8281	-1411.2446	-162.89974
##	42	-755.0453	-728.2549	3230.0248	-645.6512	-795.2308	-679.1392	79.92179
##	47	-752.6803	-430.2753	3076.9684	-493.4492	-563.1584	-301.7489	-393.24226
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##	40	21353.7752	-572.8728	-128.3514	-833.1366	-625.8468	-683.4273	
##	42	548.7536	-525.0944	-862.2068	-295.1436	-667.9765	-475.9787	
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##	48	12656.2544	-872.8543	-1182.0661	1507.2062	-1001.3296	-755.2666	
##	49	6962.7347	-653.6576	-513.9873	-1214.5208	-784.5984	-719.1280	
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## 43	7635.6321	-621.5683	180.5718	306.8930	-617.3576	-400.5061
## 44	16974.8024	-678.7913	-612.8857	191.6163	-710.6077	-467.4390
## 45	10214.8389	-949.2800	-1003.0614	-539.1970	-626.5917	-310.6261
## 46	16518.4458	-717.7983	-560.3280	-704.3008	-600.8204	-353.3671
## 70	3672.4468	-641.0507	-508.5005	-933.1104	-638.8040	-495.0208
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##	X69115_at	X69654_at	X72304_at	X72475_at	X78712_at	X87211_at
## 39	430.53779	9232.243	-584.3834	-241.069683	-1172.3082	-376.24946
## 40	472.78880	21321.530	-888.4138	353.021393	-1519.4959	-84.59028
## 42	169.22308	9561.486	-1498.4785	437.126947	-987.2286	17.41089
## 47	-279.96483	8941.254	-613.2619	9.764002	-798.4269	-868.13613
## 48	-226.12236	14587.740	-1284.4109	-250.075391	-1384.5781	-554.93218
## 49	686.30372	12220.010	-1275.6266	714.674239	-1127.2269	-332.85249
## 41	-152.44704	29510.828	-579.0132	-364.601638	-750.5424	-883.70331
## 43	-82.59756	27240.693	-726.8360	479.532096	-777.3645	-42.59582
## 44	-215.17991	23538.085	-503.8007	21.170985	-967.4121	-596.97751
## 45	-256.84471	31843.919	-662.4460	59.120922	-879.8124	-626.59172
## 46	-38.42663	32339.707	-479.3433	-132.908781	-760.5402	-724.54702
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## 40	191.79604	-1137.1615	629.40771	-2148.2748	-354.0669	-268.8478
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## 48	520.77677	-1325.7843	1023.79047	-1432.4842	-509.2037	-857.6114
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## 41	-274.32309	-712.1741	163.52789	-700.8892	-558.7005	-497.7625
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## 46	204.52748	-897.7643	-90.16685	-1014.7422	-513.0870	-380.3620
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## 48	1076.05163	2432.6643	-1471.6801	-1221.2620	-411.21398	-1038.3479
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## 47  -706.9336 -223.32611 -595.8346 -242.93182 -530.4822 -617.6187 -589.2994

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## 48 -1519.5862 242.05057 -1066.6561 -777.04212 -1256.1028 -927.2930 -1229.9722
## 49 -1993.6188 548.81584 -821.6983 -625.28704 -834.7924 -457.2463 -623.1047
## 41 -554.1866 -249.49648 -739.2576 -493.24857 -1001.0654 -642.2082 -147.9331
## 43 -606.8308 342.68405 -661.5700 -482.61492 -516.3006 -436.2971 186.8878
## 44 -808.3297 -231.08814 -862.8723 -637.88439 -535.6172 -494.7103 -1162.8561
## 45 -1108.3833 -738.63627 -987.3752 -729.67271 -489.8974 -422.6706 -1829.9502
## 46 -659.3093 87.54957 -614.3178 -528.83399 -850.5232 -663.8085 -792.0343
## 70 -906.1510 100.33172 -625.3244 -418.63594 -362.4706 -654.5303 -596.1184
## 72 -1001.3011 -367.39546 -828.4177 -309.76768 -1008.2164 -809.9768 -879.1302
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##      X06318_at X07496_at X07730_at X12953_at X14767_at X16105_at
## 39 203.092450 -1168.0167 42.16414 -28.64431 -595.111964 -511.4292
## 40 196.402478 -823.9237 2158.74535 -61.55809 -955.207186 -381.7056
## 42 -371.049720 -279.5159 -170.12182 -230.40019 1.783162 -179.0519
## 47 301.671243 -844.1736 -293.03530 -118.76232 -835.459948 -571.8721
## 48 54.781396 -1129.8050 -602.83824 209.38734 -1033.992843 -437.3446
## 49 -171.358788 -697.3045 -206.27635 -588.18713 481.163072 1413.0254
## 41 -398.456095 -1089.0870 -1003.32239 -249.49648 -348.802891 -346.5459
## 43 85.830802 -768.9431 -194.18135 -284.71159 -349.977582 -571.0398
## 44 7.535357 -867.4175 -465.16643 82.53131 -535.617179 -856.0544
## 45 -420.429752 -691.5776 -198.58154 -102.22323 -135.836595 -980.6525
## 46 -150.905381 -717.7983 -337.62011 -531.08357 -668.307644 -497.3399
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##      X51345_at X52889_at X53683_at X78711_at X80878_at X81637_at X95876_at
## 39 7350.4551 1975.4496 1162.22517 -356.9381 -500.7007 -13.62434 649.40030
## 40 465.8791 2674.6665 -734.09813 -377.0991 -499.1698 -648.87902 1827.08176
## 42 6987.3765 1629.2992 -1072.06484 -417.9329 -402.3052 -661.27891 -2232.98160
## 47 2824.2726 1264.5295 408.41344 -534.8391 -443.3457 -706.93363 -51.23154
## 48 2112.5647 2190.9565 -996.97452 -737.8463 -744.3789 -855.43387 -1297.47621
## 49 5044.4514 3606.2845 62.15238 -505.2579 -588.1871 -719.12798 1286.44925
## 41 1508.6783 407.2800 113.87469 -628.6664 -542.9018 -515.81821 -1637.52922
## 43 4290.2238 814.2835 393.21256 -238.3938 -794.2074 -406.82215 -611.04154
## 44 -571.9789 75.7135 55.26006 -599.2501 -172.0004 -633.33918 434.78505
## 45 8328.0087 -608.6646 94.97518 -411.4662 -539.1970 -498.86094 -1271.96833
## 46 7821.5886 598.2031 321.50538 -454.5980 -216.1431 -672.80679 -776.28725
## 70 8691.3809 704.6707 405.87113 -357.9774 -342.2511 -614.09130 -1249.88285
## 72 7375.4733 1384.4891 -473.43058 -630.1781 -837.6382 -454.98969 -662.44971
## 68 10300.6601 718.1057 -126.25874 -702.2593 -348.8044 -1112.44149 -2349.53356
##      X96754_at X98253_at Y00477_at Z11933_at Z14978_at Z68193_at Z86000_at
## 39 323.2523 1632.1358 1338.17346 -1198.0567 1027.0454 16.41561 1172.95373
## 40 -766.3432 1200.6061 622.49805 -1040.4263 -3576.2708 -1199.34844 995.61959
## 42 -1011.7865 1091.2589 434.89442 -924.7177 -232.6327 -435.79315 1211.81563
## 47 -1072.9069 443.2680 571.79436 -656.8301 -497.8061 -447.70257 -118.76232
## 48 -1401.9985 1981.9118 279.06889 -1341.0272 520.7768 -1099.31930 466.33806
## 49 -2128.9244 3147.9915 1712.00698 -1616.0727 2390.7170 -581.64009 2222.67626
## 41 -856.6197 102.5899 -328.49022 -933.3565 619.4346 -484.22072 91.30505
## 43 -1364.7585 652.1712 1709.05913 -693.1504 1071.1367 -356.29365 959.55292
## 44 -658.3378 159.7999 127.98341 -860.5997 1237.0145 -508.34592 139.34643
## 45 -550.4014 372.8457 -66.36897 -801.3812 258.5602 -454.04312 -503.34272
## 46 -1142.9680 314.7567 51.55637 -672.8068 789.4170 -564.82719 -45.17535
## 70 -665.7634 331.7329 228.38868 -721.9287 583.3536 -115.34315 62.13930
## 72 -1683.6140 1905.4443 845.09307 -906.7915 692.9557 -809.97683 483.19060

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## 68	-2342.9881	1126.1061	482.46910	-1129.8960	161.7415	-638.98650	478.10546
##	M27749_at	M27749_r_at	M33318_r_at	M34516_at	M34516_r_at	U22028_at	
## 39	7485.6349	906.8856	-1389.0250	-2725.802780	235.2781	-1389.0250	
## 40	599.4659	-1217.7742	-492.2601	-2618.131542	2416.7059	-3986.2438	
## 42	4326.1981	-1882.4740	-866.6719	-4.914434	1984.2718	-949.2756	
## 47	5026.6474	384.4509	-1001.0193	12296.009056	8231.0918	-380.1718	
## 48	4906.3594	-901.1624	-1234.3273	488.113543	446.7401	-1153.7580	
## 49	19572.3378	533.5394	-625.2870	1044.208691	5395.8093	-662.3869	
## 41	2318.9283	-1382.4923	-926.5856	265.091262	770.6512	-633.1803	
## 43	7155.6113	262.6806	-819.4716	3500.715819	3608.0889	-133.1261	
## 44	6377.6465	643.8647	-1035.5902	-178.818233	973.3924	-485.6199	
## 45	3308.4129	-1171.1282	-996.3387	1170.602858	807.5785	-1285.4137	
## 46	1495.7836	-1309.4365	-1127.2210	227.023228	321.5054	-479.3433	
## 70	8417.2940	1259.5842	-641.0507	15972.654473	9003.6601	-366.9638	
## 72	1052.5531	-422.7181	-1075.0646	1287.674440	2444.8403	-1012.8266	
## 68	1813.3794	-1633.8965	-1348.0781	2555.198324	1300.6517	-1474.6236	
##	U22028_r_at	U88898_at	U88898_r_at	X97261_at	X97261_r_at	D32129_f_at	
## 39	-1223.8052	-710.9803	2612.7257	-294.7125	-1110.0826	17694.927	
## 40	654.7431	-326.4283	8787.4106	-455.4086	-2021.5977	33894.804	
## 42	-1152.4360	-596.5355	711.7284	-563.0475	-1112.2504	45386.931	
## 47	-715.6473	-852.8872	1166.5009	-589.2994	-985.7704	12986.566	
## 48	-1079.7214	-894.6297	2367.3379	-975.1990	-1225.6171	30120.193	
## 49	-420.1464	-199.7293	2635.1399	-516.1697	-1216.7032	17466.373	
## 41	-732.4867	-703.1462	470.4750	-743.7716	-694.1184	6124.169	
## 43	-152.0743	-396.2954	2574.3598	-421.5596	-1152.1177	5985.034	
## 44	-728.7886	-812.8750	175.7081	-951.5038	-1412.8426	24501.669	
## 45	-891.0169	-953.7618	868.0826	-1128.5513	-1224.9096	14031.076	
## 46	-447.8493	-675.0564	260.7669	-675.0564	-906.7626	31284.656	
## 70	-472.5547	-526.4734	1576.3566	-519.7335	-996.0156	5146.225	
## 72	-1001.3011	-828.4177	1027.1969	-782.3155	-1063.5391	22718.294	
## 68	-1105.8960	-900.8049	753.0148	-994.6232	-1358.9872	22429.399	
##	D38437_f_at	D38498_f_at	HG1515-HT1515_f_at	HG2139-HT2208_f_at			
## 39	-236.77826	-663.774709		5279.844	-620.8605		
## 40	-63.86131	-3.977603		8780.501	-918.3557		
## 42	-248.26045	-199.144738		8708.659	-766.2079		
## 47	-513.05494	-301.748949		5416.583	-689.5063		
## 48	-354.59772	-372.018106		11613.209	-1094.9642		
## 49	-177.90583	-140.805925		5923.937	-531.4461		
## 41	-35.08492	-109.564729		8193.805	-770.8551		
## 43	-248.92057	-86.808268		6319.786	-547.8809		
## 44	-349.26359	-187.908652		6039.028	-762.8777		
## 45	-357.68480	-28.273827		12263.013	-682.6140		
## 46	11.06402	128.041926		7664.118	-630.0649		
## 70	-465.81482	666.478266		6608.770	-526.4734		
## 72	-196.81723	-346.649462		6753.093	-918.3171		
## 68	65.74144	172.650630		14655.573	-889.8958		
##	HG2255-HT2344_f_at	HG2915-HT3059_f_at	HG2917-HT3061_f_at	HG3527-HT3721_f_at			
## 39	-552.1977		12292.027	14731.700	1286.6764		
## 40	-671.9112		13403.062	15402.256	5044.6792		
## 42	-368.8172		20317.826	23671.090	3850.6687		
## 47	-497.8061		13372.145	13239.262	2042.2226		
## 48	-846.7237		14698.795	18934.127	1444.0573		
## 49	-529.2638		7115.499	7920.785	3204.7326		
## 41	-486.4777		4846.728	4982.146	752.5954		

## 43	-331.0294	5991.350	6395.578	1542.7361		
## 44	-701.5173	11293.291	11877.350	1982.4289		
## 45	-424.9115	11534.724	11375.620	1757.7163		
## 46	-425.3535	13994.423	15517.385	1396.8023		
## 70	-497.2674	4521.667	5559.602	958.5380		
## 72	-745.4337	13546.256	16017.336	1850.1216		
## 68	-427.3499	16597.393	17203.939	3849.0177		
##	HG3707-HT3922_f_at	HG4027-HT4297_f_at	HG4236-HT4506_f_at	HG4490-HT4876_f_at		
## 39	-2674.306	-511.4292	-706.6889	1301.69638		
## 40	-2445.390	-618.9372	-98.4096	1705.01114		
## 42	-1989.636	-661.2789	-482.6763	137.96763		
## 47	-1765.642	-497.8061	-293.0353	288.60077		
## 48	-2120.590	-977.3766	-561.4648	-99.82455		
## 49	-3776.597	-513.9873	-1170.8739	1103.13207		
## 41	-2255.937	-585.7841	-454.8802	-154.70400		
## 43	-2023.734	-446.8239	-295.2384	1096.40097		
## 44	-1921.906	-687.8817	-242.4512	173.43550		
## 45	-1218.187	-563.8468	-272.5309	-185.13620		
## 46	-1709.861	-560.3280	-418.6048	-22.67960		
## 70	-1975.539	-555.6794	-452.3351	471.02291		
## 72	-2273.722	-597.9066	-669.3650	324.13792		
## 68	-2842.625	-872.4413	-676.0774	-228.80429		
##	HG458-HT458_f_at	HG67-HT67_f_at	J00117_f_at	J00148_cds2_f_at	J00209_f_at	
## 39	-1017.8170	-706.6889	-919.1143	-850.4515	-638.0262	
## 40	-1252.3225	-1846.5531	-2625.0412	-1296.0836	-595.9050	
## 42	-1351.1314	-683.6042	-2440.6071	-918.0201	-634.4885	
## 47	-922.5964	-543.5527	-2003.0889	-794.0701	-567.5152	
## 48	-1199.4865	-798.8176	-4718.4049	-1615.3983	-1160.2907	
## 49	-1090.1270	-937.3627	-1720.8254	-1391.2910	-712.5809	
## 41	-768.5982	-718.9450	-2012.1852	-260.7813	-642.2082	
## 43	-657.3593	-152.0743	-3065.8849	-600.5148	-585.7773	
## 44	-1356.0275	-1035.5902	-1615.1044	-996.9559	-653.7926	
## 45	-996.3387	-1034.4339	-2466.3632	-1133.0331	-740.8772	
## 46	-915.7609	-519.8357	-1667.1190	-585.0734	-679.5555	
## 70	-701.7092	-638.8040	-1375.6932	-548.9395	-654.5303	
## 72	-906.7915	-614.0424	-2082.3983	-994.3857	-770.7899	
## 68	-1199.7143	-1195.3507	-2897.1704	-1428.8054	-935.7140	
##	J00212_f_at	J03071_cds3_f_at	K02405_f_at	K03183_f_at	K03189_f_at	K03192_f_at
## 39	679.44025	-541.4692	2762.925	-3260.08477	-71.55853	-335.4810
## 40	219.43467	-469.2279	9259.571	903.49081	1638.21778	-86.8935
## 42	-248.26045	-417.9329	1995.434	-1201.55171	48.66634	-708.1621
## 47	-114.40550	-192.8283	1244.924	-68.65884	737.35369	-205.8988
## 48	-321.93449	-437.3446	1167.509	-859.78896	808.21317	-959.9562
## 49	640.47443	-219.3704	2072.094	627.38035	1052.93808	-118.9825
## 41	-105.05080	-109.5647	1716.319	-1075.54523	845.13096	-278.8370
## 43	111.09506	-356.2936	4264.960	-863.68408	292.15554	-672.0968
## 44	-76.55102	-562.8884	5420.880	-612.88574	1448.36677	-367.4444
## 45	-79.81432	-465.2476	2163.318	-225.47224	758.27891	-350.9621
## 46	-303.87649	-186.8986	6737.293	-1469.15636	805.16402	-418.6048
## 70	12.71380	203.6759	1569.617	-119.83638	1046.15591	-638.8040
## 72	-196.81723	-162.2406	6257.494	-826.11261	107.45746	-385.8364
## 68	-320.44074	-353.1680	3355.926	-732.80477	227.19614	-811.3503
##	K03204_f_at	K03207_f_at	L00389_f_at	L02326_f_at	L05188_f_at	L18877_f_at
## 39	-1622.9074	-9.332918	297.50373	4129.7432	333.98081	499.20054

## 40	-2261.1325	256.286181	104.27371	622.4981	37.48034	-107.62247
## 42	-1819.9631	-837.648956	606.79940	2531.2422	-435.79315	-498.30406
## 47	-1205.7900	358.309961	-380.17179	6788.9829	-118.76232	-188.47151
## 48	-1789.6022	-676.874893	-637.67902	2770.1843	-530.97914	-352.42017
## 49	-2264.2299	121.075758	2576.21654	4023.1128	-38.23560	555.36288
## 41	-926.5856	-714.431027	-240.46863	1253.6414	-330.74718	-430.05359
## 43	-1425.8137	479.532096	-253.13127	3237.5465	216.36278	-168.91709
## 44	-1017.4094	287.065741	1284.73923	3898.2347	-231.08814	-308.35670
## 45	-1489.3348	-561.605885	-17.06937	1477.6049	-70.85076	-294.93986
## 46	-803.2821	305.758355	811.91274	1664.5017	-198.14646	-528.83399
## 70	-1169.0048	-234.413655	-18.73878	3589.3221	-247.89333	-344.49771
## 72	-1188.0151	-438.853913	-118.44344	1672.6280	-201.42745	-49.29011
## 68	-1088.4415	142.105147	-486.25908	2103.5615	-601.89555	-730.62295
##	L18920_f_at	L42583_f_at	L42601_f_at	L42611_f_at	L76568_xpt3_f_at	M20030_f_at
## 39	-588.6748	793.16292	788.87150	1466.91611	-562.926302	-674.5033
## 40	-425.4667	686.98820	251.67974	2103.46808	1090.051578	-331.0347
## 42	-638.9536	24.10848	-29.47229	557.68369	-475.978735	-1674.8485
## 47	-639.4028	275.53030	343.06108	1081.54283	-380.171789	-497.8061
## 48	-1027.4602	-136.84287	-321.93449	2306.36652	-665.987150	-1613.2207
## 49	-740.9514	422.23969	358.95162	3477.52600	-199.729304	-1170.8739
## 41	-678.3196	25.85310	52.93666	-64.42545	872.214524	-989.7806
## 43	-621.5683	28.98623	161.62356	620.59085	-57.333305	-884.7376
## 44	-696.9721	162.07248	671.13594	1102.93085	-3.827667	-383.3527
## 45	-438.3569	180.12904	310.10071	1107.85791	666.402383	-599.7010
## 46	-573.8255	-141.90708	-45.17535	1671.25041	526.216710	-985.4977
## 70	-551.1861	-184.98816	50.90623	515.95518	-128.822832	-854.4789
## 72	-717.7724	114.37280	254.98458	1027.19686	1642.661578	-1192.6253
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##	M22612_f_at	M27318_f_at	M28585_f_at	M33317_f_at	M33600_f_at	M37755_f_at
## 39	-1461.9791	-541.4692	-783.9345	-526.4492	20580.908	1466.91611
## 40	-1374.3931	-579.7824	-729.4917	-206.6609	32356.254	1410.19906
## 42	-1427.0375	-685.8368	-859.9743	-500.5366	8413.965	-54.03014
## 47	-794.0701	-467.3083	-665.5438	-452.0594	13326.398	238.49729
## 48	-1641.5289	-918.5828	-1077.5438	-694.2953	24641.481	962.81911
## 49	-1428.3909	-850.0688	-494.3462	-230.2822	11646.052	839.06804
## 41	-1075.5452	-515.8182	-727.9728	-398.4561	12242.798	159.01396
## 43	-935.2661	-581.5666	-575.2505	-1122.6427	17143.413	525.84990
## 44	-599.2501	-531.0720	-758.3324	-3099.1153	22210.884	-856.05445
## 45	-754.3225	-525.7516	-1274.2092	-1991.2943	11091.027	-1738.07366
## 46	-663.8085	-580.5742	-627.8153	-281.3807	22680.032	402.49008
## 70	-901.6578	-571.4056	-620.8311	-501.7606	8295.977	432.83049
## 72	-1471.5438	-574.8555	-1010.5215	-496.4817	21768.588	501.63149
## 68	-1217.1689	-802.6230	-1022.9869	-148.0769	14782.119	-285.53162
##	M57423_f_at	M60750_f_at	M77481_rna1_f_at	M90356_f_at	M92269_f_at	U03735_f_at
## 39	-726.0003	37688.6600	-522.1578	-479.24358	-1047.8569	-479.2436
## 40	-434.6796	182.5832	-492.2601	-296.48646	-881.5042	-796.2851
## 42	-295.1436	1057.7709	-786.3007	24.10848	-1101.0878	-1206.0168
## 47	-639.4028	787.4572	-968.3431	288.60077	-807.1406	-543.5527
## 48	-796.6401	5169.8428	-1053.5908	377.05857	-1044.8806	-1038.3479
## 49	-651.4752	1288.6316	-701.6692	-439.78751	-1164.3268	-359.0407
## 41	-518.0752	1176.9046	-522.5891	253.80644	-655.7500	-635.4373
## 43	-187.8653	237.4163	-396.2954	-177.33851	-838.4198	-339.4508
## 44	-458.3486	2932.3777	-776.5133	-335.62796	-683.3365	-1715.0990
## 45	-566.0877	14140.8800	-691.5776	45.67558	-796.8994	-1484.8530

##	46	-528.8340	19584.6166	-549.0802	-60.92238	-544.5810	-666.0581
##	70	-481.5411	6918.8030	-616.3379	266.58110	-477.0479	-470.3080
##	72	-823.8075	1015.6713	-740.8235	190.44147	-1298.6604	-667.0599
##	68	-566.9864	1390.1063	-1042.6232	397.37811	-1348.0781	-857.1685
##		U10689_f_at	U10690_f_at	U22029_f_at	U49974_f_at	U65918_f_at	
##	39	-427.746522	430.53779	78.64122	-236.77826	-324.7524	
##	40	-264.241388	-169.80940	-941.38787	32.87391	-565.9631	
##	42	-435.793155	-56.26268	-460.35101	-587.60535	-748.3477	
##	47	-839.816773	-142.72485	-101.33502	-617.61872	-521.7686	
##	48	-1236.504852	-552.75463	-992.61942	-933.82561	-962.1337	
##	49	-260.835030	306.57528	-164.81175	-201.91165	-723.4927	
##	41	-511.304285	-120.84955	-1134.22629	-558.70052	-378.1434	
##	43	-6.804796	-259.44734	-657.35934	-389.97932	-512.0899	
##	44	-1985.539011	-951.50385	-1819.63886	-1335.57405	-433.3500	
##	45	-2022.666818	-1079.25171	-1836.67286	-1354.88130	-433.8751	
##	46	-425.353538	-551.32974	-652.56062	-551.32974	-425.3535	
##	70	-387.183358	-281.59253	-703.95583	-548.93951	-495.0208	
##	72	-805.366607	-226.78367	-584.07592	-558.71970	-759.2644	
##	68	-695.713822	-313.89528	-1289.16892	-946.62315	-961.8959	
##		V00532_rna1_f_at	V00533_rna1_f_at	V00542_f_at	V00551_f_at	V01516_f_at	
##	39	-648.7547	-644.4633	-809.6830	-680.9404	291.06659	
##	40	-713.3692	-1302.9933	-1160.1937	-605.1178	657.04634	
##	42	-634.4885	-1060.9022	-853.2767	-728.2549	430.42935	
##	47	-780.9996	-826.7463	-1155.6865	-604.5483	-151.43850	
##	48	-1140.6927	-1275.7007	-1153.7580	-1153.7580	-115.06739	
##	49	-734.4044	-1238.5266	-1371.6498	-795.5101	647.02147	
##	41	-840.8210	-565.4714	-813.7374	-658.0069	195.12538	
##	43	-726.8360	-712.0986	-768.9431	-592.0934	136.35931	
##	44	-1094.6779	-1567.3797	-1035.5902	-799.2393	239.34104	
##	45	-841.7173	-1050.1201	-940.3165	-624.3508	354.91853	
##	46	-594.0717	-738.0445	-780.7864	-621.0666	-99.16516	
##	70	-555.6794	-627.5710	-548.9395	-497.2674	482.25598	
##	72	-780.0104	-1151.1333	-980.5551	-807.6717	148.94946	
##	68	-944.4413	-1145.1688	-996.8050	-1014.2596	305.74166	
##		X00090_f_at	X13930_f_at	X53065_f_at	X64177_f_at	X67491_f_at	X71345_f_at
##	39	1207.28510	1119.3109584	291.0666	-1927.5984	-633.73476	664.420271
##	40	-1199.34844	825.1813551	-340.2476	-2079.1782	-326.42831	-817.014027
##	42	-103.14585	345.5931258	-313.0039	-2447.3047	338.89553	106.712177
##	47	-720.00410	526.0477038	-260.3591	-1123.0104	-508.69811	-44.696304
##	48	-339.35488	148.4159805	-768.3319	-2194.6262	-511.38121	-385.083397
##	49	-869.70994	1159.8731007	136.3522	-3178.6334	-267.38207	-7.682736
##	41	-21.54314	-71.1963440	-265.2952	-1714.2660	-154.70400	-222.412919
##	43	-1213.17293	136.3593104	-295.2384	-1739.5116	-621.56831	24.775521
##	44	-10.64548	693.8619918	-153.8196	-1224.2164	-199.27168	82.531313
##	45	341.47319	478.1675389	-389.0573	-1209.2234	74.80716	-285.976292
##	46	-344.36884	339.5019807	-184.6490	-1802.0935	-155.40453	-326.372236
##	70	-90.63041	-0.7658752	-184.9882	-1371.2000	-254.63317	-97.370246
##	72	-743.12860	420.9525965	-335.1239	-798.4513	-561.02481	-180.681449
##	68	-590.98645	-449.1681357	-573.5319	-2724.8066	366.83263	-732.804766
##		X97444_f_at	Z80780_f_at	X00351_f_at	X01677_f_at	M31667_f_at	L41268_f_at
##	39	188.07247	4595.36244	44039.96	26983.71	1162.2252	203.09245
##	40	67.42220	-648.87902	21282.38	40756.09	714.6268	39.78356
##	42	82.15432	492.94025	45005.17	37452.51	2359.3372	-513.93178
##	47	-188.47151	55.51066	23593.25	36502.53	-201.5420	-314.81942

## 48	-315.40185	599.16852	36219.51	26620.87	-559.2873	-524.44650
## 49	186.54618	-712.58093	45221.47	35531.84	4293.7239	760.50353
## 41	-152.44704	402.76605	31332.20	45081.62	802.2486	-560.95749
## 43	-274.18482	1841.69646	34699.96	43180.33	287.9448	-522.61665
## 44	-103.82228	1955.15763	46336.86	47791.32	1368.8256	-451.53080
## 45	-178.41352	6024.37277	30949.80	38205.81	249.5967	-561.60589
## 46	-83.41813	8323.24385	31871.80	47639.07	1034.6207	-324.12266
## 70	-205.20768	2230.12110	25363.50	31094.61	1935.8148	48.65962
## 72	75.18590	162.78013	30647.88	28298.97	-132.2741	-270.58079
## 68	-235.34975	905.74223	41330.51	34187.23	371.1963	-451.34996
##	X99479_f_at	HG658-HT658_f_at	M94880_f_at	S80905_f_at	X03068_f_at	Z34822_f_at
## 39	-882.63721	34680.37	25340.09	338.2722	6320.514	-1384.7335
## 40	-1123.34220	42621.70	23240.11	-126.0482	22166.812	-1296.0836
## 42	-306.30629	35394.12	41888.55	-714.8597	1589.114	-1020.7166
## 47	-576.22889	21830.92	17724.61	-201.5420	6427.366	-785.3565
## 48	-563.64237	31283.00	27145.66	137.5282	1923.118	-1286.5885
## 49	-455.06394	30802.70	16228.98	1181.6966	3449.155	-996.2861
## 41	-540.64481	15817.83	10392.09	-1312.5264	1219.787	-1077.8022
## 43	-1101.58914	14096.97	13400.09	-1638.4545	2199.607	-1202.6462
## 44	-276.54024	30474.07	31553.56	-108.3675	13127.283	-1051.4985
## 45	-371.13015	20787.36	25428.25	-552.6423	3586.283	-1016.5068
## 46	-864.02067	47481.60	40161.48	-294.8782	8159.025	-1097.9765
## 70	-63.67105	12378.07	11461.46	-146.7957	1243.858	-870.2052
## 72	-1056.62374	24301.91	16953.21	-429.6335	3599.701	-1130.3873
## 68	-870.25944	26751.58	20786.49	-1042.6232	5033.746	-1334.9871
##	U87593_f_at	U88902_cds1_f_at	AC002076_cds2_at	D64015_at	HG2510-HT2606_at	
## 39	-541.4692	544.26047	-736.7289	-294.7125	-541.4692	
## 40	-846.9559	286.22803	-625.8468	101.9705	-326.4283	
## 42	-645.6512	64.29406	-694.7669	-328.6316	-534.0246	
## 47	-617.6187	-371.45814	-720.0041	-595.8346	-752.6803	
## 48	-1001.3296	-430.81191	-1012.2174	-581.0628	-866.3216	
## 49	-778.0514	2109.19420	-590.3695	-105.8884	-461.6110	
## 41	-572.2423	-292.37880	-800.1957	-527.1030	-597.0689	
## 43	-432.0864	-152.07426	-956.3197	-472.0881	-722.6253	
## 44	-269.7224	-110.64009	-485.6199	-340.1732	-515.1637	
## 45	-550.4014	-21.55115	-577.2921	-326.3123	-510.0654	
## 46	-443.3501	26.81105	-499.5895	-537.8323	-499.5895	
## 70	-373.7037	23.94687	-600.6116	-515.2403	-450.0885	
## 72	-809.9768	-12.40833	-835.3331	-125.3588	-611.7373	
## 68	-608.4410	-534.25912	-837.5321	-514.6227	-907.3504	
##	L10717_at	L34355_at	L78833_cds4_at	M13981_at	M21064_at	M93143_at
## 39	-588.6748	63.62125	271.75520	-133.78414	-101.5985	514.220515
## 40	-395.5249	-922.96212	-107.62247	-584.38887	152.6413	-411.647425
## 42	-556.3499	-299.60869	-203.60980	-516.16432	-306.3063	-185.749545
## 47	-648.1165	-1064.19323	-64.30201	-669.90062	-584.9425	-269.072765
## 48	-879.3869	-696.47283	-395.97114	-1038.34794	-372.0181	-117.244934
## 49	-498.7109	-156.08236	732.13302	-315.39371	424.4220	1124.955543
## 41	-461.6511	-1256.10234	-466.16501	-633.18033	-527.1030	21.339172
## 43	-512.0899	-1061.58741	-107.86181	-42.59582	-187.8653	-223.656311
## 44	-467.4390	-181.09084	-10.64548	-231.08814	-144.7292	-165.182605
## 45	-510.0654	-1020.98854	-285.97629	-436.11599	-212.0269	-194.099761
## 46	-600.8204	-600.82039	-441.10056	-434.35184	-362.3654	35.809348
## 70	-504.0072	-101.86347	-362.47061	-438.85546	-209.7009	-184.988163
## 72	-265.9706	-641.70371	12.94790	-733.90816	-450.3795	1.422343


```
## 68 -896.4413 -1225.89614 -534.25912 -852.80488 -623.7138 -689.168361
## S78825_at U11863_at U29175_at U48730_at U58516_at U73738_at X06956_at
## 39 -846.1601 -1597.159 3902.2979 -35.08145 1565.61880 -485.6807 -170.261227
## 40 -1788.9726 -6137.451 2451.2542 -404.73777 622.49805 -1275.3547 214.828233
## 42 -1150.2035 -9010.949 1115.8167 193.78093 162.52548 -692.5344 517.498108
## 47 -1027.1602 -3815.528 700.3207 -256.00229 -31.62583 -621.9755 -458.594630
## 48 -1334.4945 -2490.773 2195.3116 -509.20366 383.59122 -905.5175 -36.675640
## 49 -1164.3268 -6583.095 2259.7762 -527.08141 2482.37560 -961.3685 378.592746
## 41 -989.7806 -1958.018 1675.6936 -364.60164 208.66717 -551.9296 -421.025733
## 43 -1284.7550 -6148.124 1405.8881 151.09679 -375.24184 -743.6789 727.963928
## 44 -749.2420 -1192.400 3255.0875 -178.81823 980.21019 -910.5970 -22.008505
## 45 -866.3671 -2083.171 505.0582 -485.41559 -288.21718 -982.8934 -539.196975
## 46 -531.0836 -1959.564 373.2456 -380.36204 721.92974 -612.0683 -666.058069
## 70 -1054.4275 -2903.390 1702.1670 -254.63317 165.48351 -470.3080 -7.505715
## 72 -1008.2164 -5039.856 3636.5828 -328.20857 803.60107 -796.1462 1608.084908
## 68 -918.2595 -1952.442 1390.1063 -516.80456 194.46883 -955.3504 1361.742657
## X16699_at X83863_at Z17240_at L49218_f_at M71243_f_at Z78285_f_at
## 39 -919.1143 1675.0501 389.769289 -526.4492 -268.9639 -779.6431
## 40 -750.2207 -441.5893 9.841713 -671.9112 -671.9112 -644.2726
## 42 -674.6741 1265.3964 -65.192805 -714.8597 3672.0661 -822.0212
## 47 -630.6892 937.7676 -264.715941 -635.0460 475.9442 -794.0701
## 48 -1116.7397 316.0872 -210.879518 -953.4235 -291.4488 -1057.9459
## 49 -812.9689 3562.6375 1284.266900 -520.5344 -321.9408 -832.6100
## 41 -621.8955 -102.7938 -285.607905 -466.1650 -430.0536 -696.3753
## 43 -676.3075 2033.2837 -547.880906 -552.0916 2685.9436 -737.3628
## 44 -1087.8601 216.6150 -683.336488 -815.1476 -485.6199 -833.3284
## 45 -899.9804 112.9023 -570.569449 -1032.1930 -317.3488 -994.0978
## 46 -571.5759 793.9161 -222.891783 -470.3450 -470.3450 -751.5419
## 70 -697.2160 169.9767 -158.028804 -557.9260 -153.5356 -459.0750
## 72 -740.8235 1211.6058 102.847239 -724.6877 -256.7501 -807.6717
## 68 -1081.8960 159.5597 -440.440855 -896.4413 -1132.0779 -985.8959
## [ reached 'max' / getOption("max.print") -- omitted 48 rows ]
```

```
gene.matrix = as.matrix(golub.train[, -(1:6)])
```

```
##2. Draw a random sample of 100 genes from the dataset.
#create a vector of integers from 1 to the total number of genes
gene.columns = 1:ncol(gene.matrix)

#set the seed for a pseudo-random sample
set.seed(2401)

#sample 100 numbers from gene.columns, without replacement
gene.index.set = sample(gene.columns, size = 100, replace = FALSE)
gene.index.set
```

```
## [1] 4841 6731 6535 6743 4804 918 518 909 1503 6987 1674 833 2106 5272 5223
## [16] 1644 4746 2856 4010 1064 359 3277 671 3590 5803 6972 651 3749 3812 834
## [31] 3751 2391 3269 1212 1655 6840 3640 2821 4640 6355 6906 1330 600 5327 1577
## [46] 4331 5371 2284 5525 962 3689 452 1621 3230 460 3381 1593 5652 4453 4591
## [61] 4450 836 3845 1119 861 555 4274 6267 4137 7084 5531 6730 4371 6669 3630
## [76] 6139 3129 3142 5548 2163 5811 3643 6856 6749 3516 3086 3491 4224 2329 6745
## [91] 5274 5654 2711 4383 3172 6258 4638 2 5439 226
```

```
#create a matrix with expression data from the rows specified by gene.index.set
```

```
gene.matrix.sample = gene.matrix[,gene.index.set]
```

```
View(gene.matrix.sample)
```

```
#a) What are the first five values of \texttt{gene.index.set}? How were the numbers in \texttt{gene.index.set} chosen?
```

```
print("4841 6731 6535 6743 4804, the number were randomly chosen from the total gene pool in the data, .")
```

```
## [1] "4841 6731 6535 6743 4804, the number were randomly chosen from the total gene pool in the data, ."
```

```
#b) Why is it important to sample without replacement?
```

```
print("replacement=true can generate the same number when the number is refilled after taking out,and sample without replacement can not")
```

```
## [1] "replacement=true can generate the same number when the number is refilled after taking out,and sample without replacement can not"
```

```
#c) View \texttt{gene.matrix.sample}; what does it contain? How is \texttt{gene.matrix.sample} related to \texttt{gene.matrix}?
```

```
print("gene.matrix.sample c ontains expression data for 100 randomly selected genes from the gene.matrix")
```

```
## [1] "gene.matrix.sample c ontains expression data for 100 randomly selected genes from the gene.matrix"
```

```
#d) What are the first five gene names of the 100 genes sampled?
```

```
gene.names <- colnames(gene.matrix)
```

```
sampld.gene.names <- gene.names[gene.index.set]
```

```
first.five.sampld.gene.names <- sampld.gene.names[1:5]
```

```
first.five.sampld.gene.names
```

```
## [1] "X95406_at" "S82297_at" "X82850_s_at" "HG2239-HT2324_at"
```

```
## [5] "X92475_at"
```

```
#e) Plot a histogram showing the distribution of the expression levels of the second gene across patients
```

```
second_gene_expression <- gene.matrix.sample[, 2]
```

```
hist(second_gene_expression,
```

```
  main = "Distribution of Expression Levels of the Second Gene Across Patients",
```

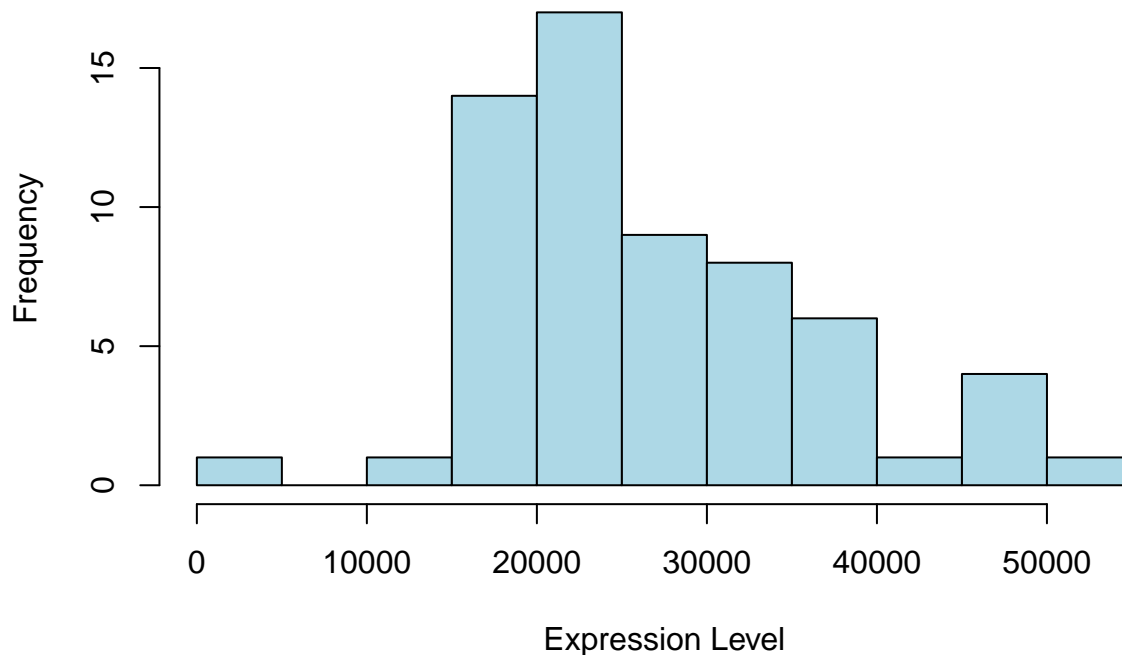
```
  xlab = "Expression Level",
```

```
  ylab = "Frequency",
```

```
  col = "lightblue",
```

```
  border = "black")
```

Distribution of Expression Levels of the Second Gene Across Patien



#3. Create a logical variable, `leuk.type`, that has value `TRUE` for AML and value `FALSE` for ALL.

```
#create logical variable
leuk.type = (golub.train$cancer == "aml")
#view table of leukemia types
table(leuk.type)
```

```
#calculate sum of leuk.type
sum(leuk.type)
```

#a) When creating the logical variable, why not write `"allT"` or `"allB"` instead of `"all"`?
`print(" 'allT' or 'allB' would create logical variables that only return all, not both both types ")`

#b) How many patients have AML? How many have ALL?
`print(" 20 patients have AML, 42 patients have ALL ")`

##4. Summarize the data separately for AML patients and for ALL patients.

#a) The following code calculates the mean expression level for each sampled gene across AML patients, and across ALL patients.
 #calculate mean expression level for each sampled gene across AML patients

```
aml.mean.expression = apply(gene.matrix.sample[leuk.type == TRUE, ], 2, mean)
all.mean.expression = apply(gene.matrix.sample[leuk.type == FALSE, ], 2, mean)
aml.mean.expression
```

#Run the code to create `aml.mean.expression`, then create `all.mean.expression`, a vector of mean expression levels for ALL patients.

#b) Explain the logic behind the code to generate `aml.mean.expression` and `all.mean.expression`.

```

    print("the apply() applies mean calculation to AML positive rows(TRUE)")
#c) View the contents of \texttt{aml.mean.expression}. What is the average expression level of the first gene?
aml.mean.expression[1]

#5. For each gene, compare the mean expression value among AML patients to the mean among ALL patients;
#calculate the differences
diff.mean.expression = (aml.mean.expression - all.mean.expression)

#view list as a matrix
diff.mean.expression.matrix = as.matrix(diff.mean.expression)
diff.mean.expression.matrix

#a) What is the difference in mean expression level between AML and ALL for the first gene on the list;
diff.mean.expression.matrix[1]
print("X95406_at is more highly expressed in AML. Normalization and other correlation must be done before")
#b) Using numerical and graphical summaries, describe the distribution of differences in mean expression levels.
summary(diff.mean.expression)
hist(diff.mean.expression,
     main = "Histogram of Differences in Mean Expression Levels (AML - ALL)",
     xlab = "Difference in Expression Levels",
     ylab = "Frequency",
     col = "lightblue",
     border = "black")

plot(aml.mean.expression, all.mean.expression,
     main = "Scatter Plot of Mean Expression Levels: AML vs. ALL",
     xlab = "AML Mean Expression Level",
     ylab = "ALL Mean Expression Level",
     col = "blue",
     pch = 19)
print("Graphical and IQR distribution is left skewed, meaning majority of the expression differences are negative")

##6. Identify the outliers. Run the following code to set up the definition of outliers as specified in the text.
#define 3rd and 1st quartiles
quart.3 = quantile(diff.mean.expression.matrix[,1], 0.75, na.rm = TRUE)
quart.1 = quantile(diff.mean.expression.matrix[,1], 0.25, na.rm = TRUE)

#define interquartile range
iqr = quart.3 - quart.1

#define upper and lower bound for outliers
lb.outlier = quart.1 - 1.5*iqr
ub.outlier = quart.3 + 1.5*iqr

#The following code creates a list of the large outliers, genes with expression differences larger than the upper bound.
#creates list of large outliers
which.large.out = diff.mean.expression > ub.outlier
large.out = as.matrix(diff.mean.expression.matrix[which.large.out, ])
large.out

#creates ordered list of large outliers, from largest to smallest
order.large.out = order(large.out[,1], decreasing = TRUE) #assigns ordering to rows
ordered.large.out = as.matrix(large.out[order.large.out, ]) #sorts outlier list

```

```
ordered.large.out
```

```
#a) What are the upper and lower outlier bounds?
```

```
lb.outlier
```

```
ub.outlier
```

```
print("uper bound at 75% is 459.0132, and lower bound at 24% is 420.1131 ")
```

```
#b) How many large outliers are present in the sample?
```

```
length(which.large.out)
```

```
#c) How many rows and columns does \texttt{large.out} have? Explain why.
```

```
nrow(large.out)
```

```
ncol(large.out)
```

```
print(" The number of rows corresponds to the number of large outliers. One column contains the expres
```

```
#d) View \texttt{order.large.out}. What do these numbers represent?
```

```
print(" a vector of expression differences of genes that were organized in decending orders. Top of lis
```

```
#e) Modify the code to find small outliers. How many small outliers are present in the sample?
```

```
which.small.out = diff.mean.expression < lb.outlier
```

```
small.out = as.matrix(diff.mean.expression.matrix[which.small.out, ])
```

```
num_small_outliers <- nrow(small.out)
```

```
num_small_outliers
```

```
#f) Which gene has the largest positive difference in mean expression between AML and ALL samples? Which
```

```
largest_positive_gene <- rownames(ordered.large.out)[1]
```

```
largest_positive_gene
```

```
smallest_negative_gene <- rownames(diff.mean.expression.matrix)[which.min(diff.mean.expression)]
```

```
smallest_negative_gene
```

```
#g) In a research setting, it can also be useful to inspect the entire list and examine genes that are
```

```
order.decreasing = order(diff.mean.expression.matrix[,1], decreasing = TRUE)
```

```
ordered.outliers = as.matrix(diff.mean.expression.matrix[order.decreasing, ])
```

```
# Which gene just missed the cutoff to qualify as a large outlier? Which gene is closest to the cutoff?
```

```
gene_just_below_large_outlier <- rownames(diff.mean.expression.matrix)[order.decreasing[sum(which.large
```

```
gene_just_below_large_outlier
```

```
order.increasing = order(diff.mean.expression.matrix[, 1])
```

```
gene_just_above_small_outlier <- rownames(diff.mean.expression.matrix)[order.increasing[sum(which.small
```

```
gene_just_above_small_outlier
```

```
##7. The genes previously identified as outliers are only outliers of the specific 100 genes chosen in
```

```
gene.matrix <- golub.train[, 7:ncol(golub.train)]
```

```
leuk.type <- golub.train$cancer == "aml"
```

```
aml.mean.expression <- colMeans(gene.matrix[leuk.type, ], na.rm = TRUE)
```

```
all.mean.expression <- colMeans(gene.matrix[!leuk.type, ], na.rm = TRUE)
```

```
diff.mean.expression <- aml.mean.expression - all.mean.expression
```

```
quart.3 <- quantile(diff.mean.expression, 0.75, na.rm = TRUE)
```

```
quart.1 <- quantile(diff.mean.expression, 0.25, na.rm = TRUE)
```

```
iqr <- quart.3 - quart.1
```

```
ub.outlier_full <- quart.3 + 1.5 * iqr
```

```
lb.outlier_full <- quart.1 - 1.5 * iqr
```

```
ub.outlier_full
```

```
## 75%
```

```
## 439.4426
```

```
lb.outlier_full
```

```
##      25%
```

```
## -446.7789
```

```
which.large.out <- diff.mean.expression > ub.outlier_full
```

```
which.small.out <- diff.mean.expression < lb.outlier_full
```

```
large_out_full <- diff.mean.expression[which.large.out]
```

```
small_out_full <- diff.mean.expression[which.small.out]
```

```
order.large.out <- sort(large_out_full, decreasing = TRUE)
```

```
order.small.out <- sort(small_out_full)
```

```
top_5_large_outliers <- head(order.large.out, 5)
```

```
top_5_small_outliers <- head(order.small.out, 5)
```

```
print("Top 5 largest outliers:")
```

```
## [1] "Top 5 largest outliers:"
```

```
top_5_large_outliers
```

```
##      M19507_at      M27891_at      M11147_at M96326_rna1_at      Y00787_s_at
```

```
##      19820.86      17657.05      16235.83      15914.76      15845.77
```

```
print("Top 5 smallest outliers:")
```

```
## [1] "Top 5 smallest outliers:"
```

```
top_5_small_outliers
```

```
## M14483_rna1_s_at      X82240_rna1_at      X58529_at      M33680_at
```

```
##      -11293.653      -10415.906      -9629.464      -9296.219
```

```
##      U05259_rna1_at
```

```
##      -8383.484
```

```
### Predicting leukemia type
```

```
##8. Run the following code to identify the column numbers in \texttt{golub.test} and \texttt{golub.tra
```

```
#column numbers for large outliers (gene.matrix)
```

```
predictors.large = which(which.large.out)[order.large.out[1:5]]
```

```
#column numbers for small outliers (gene.matrix)
```

```
predictors.small = which(which.small.out)[order.small.out[1:5]]
```

```
#combine column numbers for large and small outliers (gene.matrix)
```

```
predictors = c(predictors.large, predictors.small)
```

```

#predictor column numbers of golub.test and golub.train
predictor.cols = predictors + 6

##9. Calculate  $\mu_{AML}$  and  $\mu_{ALL}$  for each of the predictor genes. Store the results in \texttt{mean_aml_1st_gene} and \texttt{mean_all_1st_gene}
predictor.data <- golub.train[, 7:ncol(golub.train)]
aml_patients <- golub.train$cancer == "aml"
predictor.means.aml <- colMeans(predictor.data[aml_patients, ])
predictor.means.all <- colMeans(predictor.data[!aml_patients, ])
mean_aml_1st_gene <- predictor.means.aml[1]
mean_all_1st_gene <- predictor.means.all[1]

print("mean_AML for the first predictor gene:")
mean_aml_1st_gene
print("mean_ALL for the first predictor gene:")
mean_all_1st_gene

##10. Determine the vote direction for each gene. Let \texttt{0} represent a vote for AML and \texttt{1} represent a vote for ALL
vote.direction <- ifelse(predictor.means.aml > predictor.means.all, 0, 1)
print("Vote directions for each predictor gene:")
head(vote.direction)
tail(vote.direction)

```

```

# Load golub.test
data("golub.test")

##10. Determine the vote direction for each gene. Let \texttt{0} represent a vote for AML and \texttt{1} represent a vote for ALL

# Create matrix with expression data for predictor genes
test.gene.matrix = golub.test[, 7:ncol(golub.test)]

# Create empty matrix to store vote directions
num.genes = ncol(test.gene.matrix)
num.patients = nrow(test.gene.matrix)
votes = matrix(nrow = num.patients, ncol = num.genes)

colnames(votes) <- colnames(test.gene.matrix)
# Calculate vote directions
for (i in 1:num.patients) {
  for (j in 1:num.genes) {

    # Calculate distance from AML and ALL mean for each patient-gene pair
    dist.from.aml = abs(test.gene.matrix[i, j] - predictor.means.aml[j])
    dist.from.all = abs(test.gene.matrix[i, j] - predictor.means.all[j])

    # Assign votes based on the closest mean
    if (dist.from.aml <= dist.from.all) {
      votes[i, j] = 0 # Assigns 0 if dist. from AML mean <= dist. from ALL mean
    } else {
      votes[i, j] = 1 # Assigns 1 if otherwise
    }
  }
}

```

```

}
View(votes)

#The above code uses \texttt{for()} loops and a conditional \texttt{if()} statement to assign vote dire

#a) The loop stores the results in a matrix called \texttt{votes}. What are the dimensions of the matrix?
dim(votes)
print("row = each patient, column = absolute difference of each gene expression level compare to the gene")

#b) Inside the loop, the two vectors \texttt{dist.from.aml} and \texttt{dist.from.all} store the distance from the
gene expression level of each gene to the mean expression level of the gene in AML and ALL patients.

#i. In the first step of the loop, \texttt{i = 1} and \texttt{j = 1}. Based on what you know about brackets,
print("When i = 1 and j = 1, it Refers to the first gene(j) of first patient(i). the loop calculate the absolute
difference of the first gene(j) of first patient(i) compared to the mean expression level of the first gene(j)
of first patient(i).")

#ii. What is being calculated and stored when \texttt{i = 2} and \texttt{j = 1}?
print("the absolute difference of the first gene(j) of second patient(i) compared to the mean expression level
of the first gene(j) of first patient(i).")

#iii. What is being calculated and stored when \texttt{i = 1} and \texttt{j = 2}?
print("the absolute difference of the second gene(j) of the first patient(i) compared to the mean expression
level of the first gene(j) of first patient(i).")

#iv. Based on the previous answers, why does it make sense for the loop to calculate distance based on the mean
expression level of the gene in AML and ALL patients?
print("This ensures that the mean expression levels are correctly matched to each gene (j). Using [i] we can
access the mean expression level of the gene in AML and ALL patients.")

#c) View the first row of the matrix \texttt{votes}. For which predictor genes does this patient have AML-like
expression?
votes[1, ]
first_patient_votes <- votes[1, ]
aml_like_genes <- colnames(votes)[first_patient_votes == 0] # Genes with AML-like expression (vote = 0)
all_like_genes <- colnames(votes)[first_patient_votes == 1] # Genes with ALL-like expression (vote = 1)

aml_like_expression <- test.gene.matrix[1, aml_like_genes, drop = FALSE]
all_like_expression <- test.gene.matrix[1, all_like_genes, drop = FALSE]
print("AML-like gene expressions for the first patient:")
aml_like_expression

print("ALL-like gene expressions for the first patient:")
all_like_expression

```

##11. Calculate v_1, \dots, v_{10} , the magnitude of the deviations from the midpoint between the two means. The following code stores the magnitudes of the deviations in a matrix named `deviation.magnitude`.

```

deviation.magnitude = matrix(nrow = num.patients, ncol = num.genes)

for(i in 1:dim(deviation.magnitude)[1]){
  for(j in 1:dim(deviation.magnitude)[2]) {

    midpoint = (predictor.means.aml - predictor.means.all)/2

    deviation.magnitude[i,j] = abs(test.gene.matrix[i, j] - midpoint[j])

  }
}

#adds predictor gene probe names from test.gene.matrix

```



```

colnames(deviation.magnitude) <- colnames(test.gene.matrix)
#a) View \texttt{deviation.magnitude}. What is the deviation from the midpoint at the M19507\_at probe.
View(deviation.magnitude)
patient1_dev <- deviation.magnitude[1, "M19507_at"]
print(paste("Deviation from the midpoint for patient 1:", patient1_dev))

patient_largest_dev <- which.max(deviation.magnitude[, "M19507_at"])
print(paste("Patient with the largest deviation:", patient_largest_dev))

#b) For patient 1, which values should be summed to calculate $V_{AML}$? (*Hint*: Refer to Question 10,
print("for calculating the vote, deviation magnitude of genes that have AML-Like expression = 0 should")
aml_like_genes_patient1 <- which(votes[1, ] == 0)
V_AML_patient1 <- sum(deviation.magnitude[1, aml_like_genes_patient1])
print(paste("V_AML (deviation magnitudes) for patient 1:", V_AML_patient1))

##12. Calculate $V_{AML}$ and $V_{ALL}$ for each patient, and determine which leukemia type is predicted

#sum the votes for AML and ALL
V.aml = vector("numeric", num.patients)
V.all = vector("numeric", num.patients)

for(i in 1:num.patients){

  V.aml[i] = sum(deviation.magnitude[i, which(votes[i,] == 0)])
  V.all[i] = sum(deviation.magnitude[i, which(votes[i,] == 1)])

}

#determine the predicted leukemia type
predicted.leuk.type = vector("numeric", num.patients)

for(i in 1:num.patients){
  if (V.aml[i] > V.all[i]){predicted.leuk.type[i] = "aml"}
  if (V.aml[i] < V.all[i]){predicted.leuk.type[i] = "all"}
  if (V.aml[i] == V.all[i]){predicted.leuk.type[i] = "tie"}
}

predicted.leuk.type

#a) Briefly describe how the \texttt{for()} loop to create \texttt{V.aml} and \texttt{V.all} works.
print("the for loop iterates over each patient where deviation values will be extracted for genes with v

#b) Briefly describe how the \texttt{for()} loop and \texttt{if} statements to create \texttt{predicted}
print("loop iterates over patients, and if check the condition for predicting leukemia type. For aml[i].

#c) What are the predicted leukemia types for the 10 patients in \texttt{golub.test}?

##13. Assess the prediction accuracy, comparing the prediction to the actual leukemia status of each pa
#compare predictions to actual leukemia type
#option 1: visual comparison
golub.test$cancer

```

```
predicted.leuk.type
```

```
#option 2: use logical variables
```

```
actual.leuk.type.ind = (golub.test$cancer == "aml")
```

```
predicted.leuk.type.ind = (predicted.leuk.type == "aml")
```

```
comparison.results = (actual.leuk.type.ind == predicted.leuk.type.ind)
```

```
table(comparison.results)
```

```
print("all matched")
```

```
### Exploring the data
```

```
##### The first part of this lab focuses on using numerical and graphical methods to explore the overall
```

```
##1. Take a sample of 100 genes (without replacement) from the 1,088 genes in the dataset, using '5011'
```

```
data(arenosa)
```

```
set.seed(5011)
```

```
sampld <- sample(1:nrow(arenosa), size=100, replace = FALSE)
```

```
arenosa.sample <- arenosa[sampld, ]
```

```
arenosa.sample
```

##	gene.name	ka.nv.1	ka.nv.2	ka.nv.3	ka.v.1	ka.v.2	ka.v.3
## 579	933190	247.26350	265.8379	243.5056	532.4550	457.6512	529.3013
## 704	WRKY3	243.08670	225.6669	249.3033	414.1317	422.3503	424.2812
## 224	ATSEC1B	36.75540	38.9896	31.8876	143.8704	190.3728	204.4391
## 1070	485571	267.31190	209.1258	304.3820	36.3037	20.1720	26.6051
## 425	921070	26.73120	17.7225	37.6854	260.8492	501.7774	333.2638
## 485	ATGRP-3	882.96450	799.8768	955.6628	2167.4683	2278.1701	2475.6740
## 1016	472593	56.80380	68.5271	57.0112	16.1350	2.5215	12.6024
## 594	AtPPa1	250.60490	243.3894	249.3033	407.4087	412.2643	434.0831
## 507	481467	191.29500	177.2253	160.4045	56.4725	47.9084	53.2102
## 239	471399	184.61230	217.3964	243.5056	147.9042	129.8570	138.6265
## 119	AtBRN1	233.06250	209.1258	227.0786	61.8508	35.3009	29.4056
## 846	OHP2	188.78900	281.1975	219.3483	567.4142	538.3390	501.2960
## 502	UKL4	264.80580	296.5570	304.3820	654.8121	685.8465	747.7432
## 155	ATFP6	252.27560	189.0403	230.9438	536.4887	793.0100	663.7271
## 494	351968	107.76010	129.9652	110.1573	233.9575	225.6737	218.4418
## 892	347890	50.95630	122.8762	27.0562	211.0996	325.2728	315.0603
## 634	DEAR5	4.17670	2.3630	4.8315	60.5062	45.3869	56.0107
## 232	SEP1	284.01880	405.2552	359.4606	696.4941	649.2848	736.5410
## 142	476506	182.10620	166.5918	127.5505	481.3608	479.0839	394.8756
## 923	CYCT1;3	175.42340	265.8379	163.3033	502.8742	659.3708	536.3027
## 1038	494761	663.26750	708.9012	664.8089	943.8975	912.7809	1057.2024
## 438	BETA-UP	240.58070	238.6634	255.1011	266.2275	300.0578	298.2571
## 727	ATPREP1	1400.04580	1902.2181	1624.3369	3270.0266	3197.2548	2706.7182
## 210	ATATP-PRT2	431.04040	523.4054	476.3820	1058.1871	1072.8958	1173.4246
## 412	904747	537.12980	544.6724	536.2921	1184.5779	1550.7190	1256.0405
## 759	DJC82	90.21780	87.4311	81.1685	236.6467	297.5363	200.2383
## 1007	ATHMA1	654.91400	758.5242	685.1010	1331.1375	1120.8042	1173.4246
## 211	AAT3	680.80990	906.2120	772.0673	1610.8108	1511.6358	1508.0887
## 854	478103	278.17140	285.9235	252.2022	984.2350	1269.5724	994.1903
## 261	AML1	421.01620	478.5083	388.4494	673.6362	658.1100	698.7338

## 107	UGT78D2	54.29770	59.0751	74.4045	830.9525	1342.6957	1096.4099
## 88	CLPP3	604.79310	796.3323	708.2920	1310.9687	1419.6013	1394.6670
## 907	ATHB-8	463.61900	399.3477	361.3932	194.9646	143.7252	158.2303
## 973	920409	123.63170	112.2427	118.8539	181.5187	190.3728	203.0389
## 649	SPK1	989.05390	923.9345	910.2471	497.4958	350.4877	449.4861
## 393	473945	1156.95910	1247.6660	1036.8313	2184.9479	2782.4690	2561.0903
## 79	941538	20.04840	27.1745	15.4607	272.9504	371.9204	383.6735
## 69	HSR8	179.60020	212.6703	165.2359	619.8529	513.1241	672.1287
## 348	AtNPF5.13	136.99730	152.4137	135.2809	37.6483	49.1691	47.6091
## 1012	921327	91.88850	109.8797	88.8989	2.6892	0.0000	1.4003
## 386	AtOZF1	401.80310	414.7072	272.4943	886.0804	1517.9396	1184.6268
## 822	FTSH8	321.60960	528.1314	384.5842	1487.1091	2430.7205	1848.3539
## 1028	AtHBP1	263.13510	411.1627	200.0224	785.2366	929.1707	1208.4313
## 1082	490436	335.81050	343.8171	338.2022	255.4708	260.9747	296.8568
## 3	GAD2	590.59210	492.6863	458.0224	2639.4170	2645.0475	2705.3179
## 345	495312	121.96100	165.4103	95.6629	338.8350	331.5765	389.2745
## 157	475823	981.53570	1215.7655	1007.8426	1784.2620	1703.2694	1867.9576
## 823	926758	15.87160	5.9075	12.5618	92.7762	128.5962	86.8166
## 898	ABC1	661.59680	613.1995	608.7640	1589.2975	2007.1095	1454.8785
## 1066	MEF9	165.39920	146.5062	117.8876	338.8350	434.9578	372.4713
## 482	TUB3	837.85560	723.0792	777.8651	229.9237	185.3298	232.4445
## 77	ELIP	20.04840	43.7156	11.5955	1583.9191	2165.9636	1993.9817
## 17	GME	766.01550	901.4860	903.4830	2093.5162	1959.2011	2087.7997
## 979	SPA3	262.29980	288.2865	224.1797	623.8867	601.3764	680.5303
## 1	PUX4	288.19560	322.5500	305.3483	1429.2920	1408.2546	1487.0847
## 538	PTAC4	576.39120	638.0110	663.8426	1118.6933	1038.8557	1191.6281
## 432	HLH2	86.87640	42.5341	86.0000	20.1687	12.6075	11.2021
## 247	890395	239.74530	191.4033	209.6854	428.9221	557.2502	432.6828
## 1043	ATGR1	422.68690	489.1418	426.1348	849.7766	1441.0340	1099.2104
## 295	477902	376.74260	568.3024	419.3707	781.2029	876.2193	872.3670
## 318	932150	53.46240	53.1676	50.2472	154.6271	122.2925	119.0228
## 769	ATLOX5	155.37500	106.3352	103.3932	18.8242	11.3467	25.2048
## 290	NHL12	228.88580	387.5326	286.9887	697.8387	610.2016	691.7324
## 721	472174	152.86900	93.3387	115.9550	536.4887	375.7027	474.6909
## 592	ATMAP2K_ALPHA	102.74800	116.9687	112.0899	264.8829	306.3616	317.8609
## 933	940786	91.88850	99.2462	93.7303	240.6804	350.4877	264.6507
## 477	918965	0.83535	0.0000	0.0000	22.8579	27.7364	23.8046
## 220	5PTASE2	84.37030	16.5410	65.7079	188.2417	210.5448	201.6386
## 147	494214	23.38980	28.3560	13.5281	170.7621	234.4990	176.4338
## 164	489219	476.14920	528.1314	541.1235	1000.3700	1366.6499	1256.0405
## 245	HHP2	77.68750	85.0681	89.8652	37.6483	44.1262	51.8099
## 779	937643	283.18350	152.4137	258.9663	69.9183	100.8598	74.2142
## 886	479911	362.54170	391.0771	379.7528	642.7108	574.9007	567.1086
## 250	LUL4	156.21040	161.8658	160.4045	63.1954	42.8654	68.6131
## 320	496271	569.70840	567.1209	641.6179	408.7533	388.3101	373.8716
## 1005	IMK2	951.46310	714.8087	989.4830	166.7283	129.8570	169.4324
## 135	ASP4	134.49130	134.6912	153.6404	12.1012	12.6075	15.4029
## 711	ATFLS1	270.65330	340.2726	184.5618	1626.9458	1241.8359	1569.7005
## 123	ATMY05	121.12570	87.4311	95.6629	38.9929	21.4327	42.0080
## 325	312397	251.44020	248.1154	232.8764	133.1137	137.4214	135.8260
## 118	928005	596.43960	1228.7620	844.5392	2038.3883	2191.1786	2156.4128
## 491	CcdA	326.62170	417.0702	341.1011	869.9454	837.1361	887.7700
## 689	PHYE	338.31660	320.1870	356.5618	681.7037	593.8119	697.3335
## 407	471155	133.65590	111.0612	112.0899	563.3804	761.4913	555.9064

## 690	ATHVA22E	46.77960	64.9826	37.6854	197.6537	277.3644	215.6413
## 665	NDC1	196.30710	219.7594	252.2022	527.0767	509.3419	515.2987
## 585	488454	113.60750	120.5132	134.3146	318.6662	326.5335	289.8555
## 420	AtCCP2	158.71640	187.8588	174.8989	263.5383	339.1410	292.6560
## 244	ATMBAC2	11.69490	5.9075	2.8989	41.6821	65.5589	40.6078
## 932	ANQ1	118.61960	69.7086	128.5168	14.7904	17.6505	9.8019
## 319	489189	253.94630	226.8484	185.5281	126.3908	100.8598	82.6158
## 756	EDA3	264.80580	368.6286	347.8651	673.6362	611.4624	718.3375
## 266	320306	446.91200	411.1627	331.4382	208.4104	230.7167	212.8407
## 580	ABC1K1	191.29500	211.4888	217.4157	965.4108	1038.8557	1090.8088
## 637	474193	142.00940	101.6092	117.8876	40.3375	36.5617	26.6051
## 95	ARF1-BP	1574.63390	1578.4866	1506.4492	2229.3191	2326.0785	2222.2254
## 889	EX084B	440.22920	405.2552	425.1685	286.3962	303.8401	294.0563
## 608	927786	284.01880	252.8414	237.7078	131.7692	118.5102	128.8247
## 757	495503	235.56860	224.4854	226.1123	102.1883	99.5990	126.0241
## 838	943955	62.65120	72.0716	63.7753	12.1012	7.5645	22.4043
##	tbg.nv.1	tbg.nv.2	tbg.nv.3	tbg.v.1	tbg.v.2	tbg.v.3	
## 579	275.5559	271.3918	221.0817	354.4046	459.0357	388.1805	
## 704	469.5864	470.7520	516.3519	480.4340	489.1205	442.6266	
## 224	35.0559	36.3796	54.8995	121.8002	133.9258	126.0326	
## 1070	62.7746	76.3972	43.0293	51.5959	28.1438	52.4296	
## 425	124.7339	156.4323	172.1173	330.7213	447.3900	440.6101	
## 485	943.2491	892.7554	1222.6263	1525.8853	1784.7074	1757.3991	
## 1016	28.5339	50.2038	25.2241	14.3792	16.4981	12.0991	
## 594	233.9779	181.1704	234.4356	292.6587	340.6375	194.5944	
## 507	110.0593	141.8804	127.6042	72.7418	57.2582	84.6939	
## 239	182.6169	185.5360	227.0168	159.8627	151.3944	131.0739	
## 119	198.9220	190.6291	181.0199	33.8334	33.9667	46.3800	
## 846	456.5423	331.0544	519.3194	396.6963	360.0470	313.5692	
## 502	388.8762	349.9717	399.1341	474.5131	399.8366	388.1805	
## 155	317.9491	332.5095	350.1697	595.4674	659.9244	689.6506	
## 494	129.6254	117.1423	139.4744	177.6252	200.8888	176.4457	
## 892	21.1966	50.2038	31.1592	71.8959	65.0220	19.1570	
## 634	2.4458	0.0000	1.4838	8.4583	23.2915	11.0909	
## 232	433.7152	309.2266	440.6796	347.6380	378.4861	373.0566	
## 142	269.0339	170.2565	127.6042	381.4713	445.4490	340.7923	
## 923	361.9728	351.4269	367.9749	530.3382	583.2568	556.5601	
## 1038	759.8169	657.0156	738.9173	822.9969	743.3855	771.3198	
## 438	208.7051	267.0263	274.4974	209.7669	253.2945	217.7844	
## 727	2379.7269	1825.5283	2421.5122	2293.9030	2463.0709	1904.6053	
## 210	559.2644	475.8452	476.2901	938.0304	1006.3848	1020.3603	
## 412	628.5610	540.6008	608.3456	780.7052	937.4809	850.9724	
## 759	166.3118	104.7732	157.2796	176.7794	187.3021	190.5614	
## 1007	922.8677	805.4443	847.2325	1028.5347	898.6618	799.5511	
## 211	1089.9948	752.3301	1054.9603	1326.2684	1179.1297	991.1207	
## 854	768.7847	526.0490	701.8231	850.0636	1029.6762	739.0554	
## 261	569.8627	598.8082	657.3100	642.8342	658.9540	599.9154	
## 107	162.2356	75.6696	47.4806	475.3590	835.5808	726.9563	
## 88	924.4982	737.7783	1117.2786	1003.1596	1009.2962	915.5011	
## 907	238.0542	309.2266	209.2115	211.4586	189.2430	196.6109	
## 973	105.1678	80.0351	84.5749	107.4210	167.8925	128.0492	
## 649	685.6287	855.6482	661.7613	462.6714	414.3937	486.9901	
## 393	1605.2354	1215.8062	1491.1886	2551.8825	2742.5684	2734.4042	
## 79	38.3169	32.0140	38.5780	90.5043	194.0954	286.3462	

## 69	245.3915	154.2495	145.4094	619.1508	554.1424	586.8080
## 348	143.4847	176.8049	127.6042	79.5084	70.8448	64.5287
## 1012	36.6864	45.8383	34.1267	4.2292	2.9114	5.0413
## 386	383.9847	534.0525	476.2901	918.5762	1219.8897	1288.5577
## 822	1486.2083	937.8661	1454.0944	1405.7768	1608.0806	1078.8394
## 1028	632.6372	440.1932	537.1247	868.6720	1201.4507	763.2537
## 1082	349.7440	333.2371	326.4293	336.6421	293.0841	298.4453
## 3	1429.1405	1339.4968	2215.2682	1630.7688	1500.3576	1621.2839
## 345	186.6932	95.3146	123.1529	268.9753	349.3718	254.0818
## 157	1299.5151	1164.8748	1360.6169	1378.7101	1364.4908	1201.8473
## 823	4.8915	6.5483	5.9351	26.2209	44.6419	51.4213
## 898	988.9033	760.3336	1105.4085	1425.2310	1478.0367	1463.9952
## 1066	272.2949	209.5465	216.6304	290.1212	439.6261	332.7262
## 482	465.5101	638.0982	774.5278	206.3836	232.9145	254.0818
## 77	490.7830	26.9209	40.0618	1088.5889	1777.9141	1445.8465
## 17	1188.6406	864.3793	1105.4085	1556.3354	1710.9512	1500.2926
## 979	596.7660	363.0684	427.3257	648.7550	751.1493	601.9319
## 1	365.2339	288.1264	365.0074	601.3883	800.6436	698.7250
## 538	689.7050	509.3144	986.7069	683.4342	762.7950	751.1545
## 432	50.5458	64.7557	81.6073	30.4500	18.4391	21.1735
## 247	247.0220	176.0773	203.2765	299.4254	394.9842	300.4618
## 1043	668.5084	456.2002	505.9655	1163.8682	1276.1774	1180.6738
## 295	353.8203	262.6607	170.6335	557.4049	570.6405	453.7175
## 318	39.9475	48.0211	32.6429	71.0501	83.4610	69.5700
## 769	67.6661	108.4112	60.8346	29.6042	37.8486	41.3387
## 290	509.5338	455.4726	556.4137	495.6590	551.2310	594.8741
## 721	357.0813	175.3497	416.9393	280.8170	326.0803	180.4787
## 592	162.2356	138.2425	140.9581	235.1420	270.7631	268.1975
## 933	113.3203	149.8839	215.1466	152.2502	192.1545	218.7927
## 477	1.6305	0.0000	0.0000	6.7667	12.6162	13.1074
## 220	51.3610	21.1002	83.0911	69.3584	242.6193	136.1153
## 147	89.6780	69.8488	35.6105	162.4002	171.7745	173.4209
## 164	644.0508	528.9594	663.2451	1152.8723	1256.7679	1225.0373
## 245	117.3966	89.4938	114.2503	75.2793	70.8448	101.8344
## 779	112.5051	128.0562	93.4775	75.2793	118.3982	104.8592
## 886	405.9966	391.4445	354.6210	567.5549	544.4377	502.1140
## 250	238.8695	193.5395	232.9519	65.1293	35.9077	37.3057
## 320	419.0406	596.6254	425.8419	325.6463	365.8699	437.5853
## 1005	252.7288	280.8505	157.2796	221.6086	201.8592	217.7844
## 135	172.8339	141.1528	191.4063	93.8876	47.5534	50.4131
## 711	972.5982	718.1333	210.6953	1228.1516	1479.0071	1091.9468
## 123	75.8186	96.7697	87.5424	41.4459	28.1438	27.2231
## 325	206.2593	255.3848	173.6011	137.0252	112.5753	115.9500
## 118	1437.2931	1136.4987	1483.7698	1474.2894	1406.2214	1312.7560
## 491	582.0915	380.5306	445.1309	570.9382	608.4892	536.3949
## 689	437.7915	435.8276	339.7833	591.2383	541.5262	508.1636
## 407	202.9983	130.2390	105.3477	574.3216	766.6769	681.5845
## 690	49.7305	48.0211	34.1267	104.0376	109.6639	66.5452
## 665	419.0406	312.8646	378.3613	433.9131	484.2681	328.6931
## 585	150.8220	116.4147	126.1204	264.7462	328.9917	292.3957
## 420	247.0220	223.3707	321.9780	254.5962	348.4013	260.1314
## 244	13.8593	7.2759	19.2890	32.1417	28.1438	41.3387
## 932	43.2085	58.2074	44.5131	43.1376	59.1991	34.2809
## 319	204.6288	232.8294	246.3058	104.0376	56.2877	101.8344

```
## 756 552.7423 413.9998 592.0241 534.5674 547.3491 492.0314
## 266 300.0135 366.7064 277.4649 312.9587 179.5383 235.9331
## 580 781.0135 569.7045 982.2556 878.8220 913.2190 731.9976
## 637 87.2322 117.1423 103.8639 57.5167 54.3467 56.4626
## 95 1312.5592 1594.1540 1992.7028 1813.4690 1926.3971 2282.7032
## 889 396.2135 419.8206 388.7477 334.9504 339.6670 329.7014
## 608 145.1152 133.8769 115.7340 115.0335 113.5458 109.9005
## 757 170.3881 211.0017 121.6691 147.1752 123.2506 130.0657
## 838 24.4576 29.8313 20.7728 15.2250 10.6752 6.0496
```

```
# View the first five rows and first seven columns of the sample
```

```
##2. Print out the first five rows and first seven columns of \texttt{arenosa.sample}; briefly describe
arenosa.sample[1:5, 1:7]
```

```
##      gene.name ka.nv.1 ka.nv.2 ka.nv.3 ka.v.1 ka.v.2 ka.v.3
## 579    933190 247.2635 265.8379 243.5056 532.4550 457.6512 529.3013
## 704     WRKY3 243.0867 225.6669 249.3033 414.1317 422.3503 424.2812
## 224    ATSEC1B 36.7554 38.9896 31.8876 143.8704 190.3728 204.4391
## 1070   485571 267.3119 209.1258 304.3820 36.3037 20.1720 26.6051
## 425    921070 26.7312 17.7225 37.6854 260.8492 501.7774 333.2638
```

```
print("the ka.v seems to be higher than that of nv")
```

```
## [1] "the ka.v seems to be higher than that of nv"
```

```
##3. The three measured individuals in a particular group represent biological replicates: individuals
```

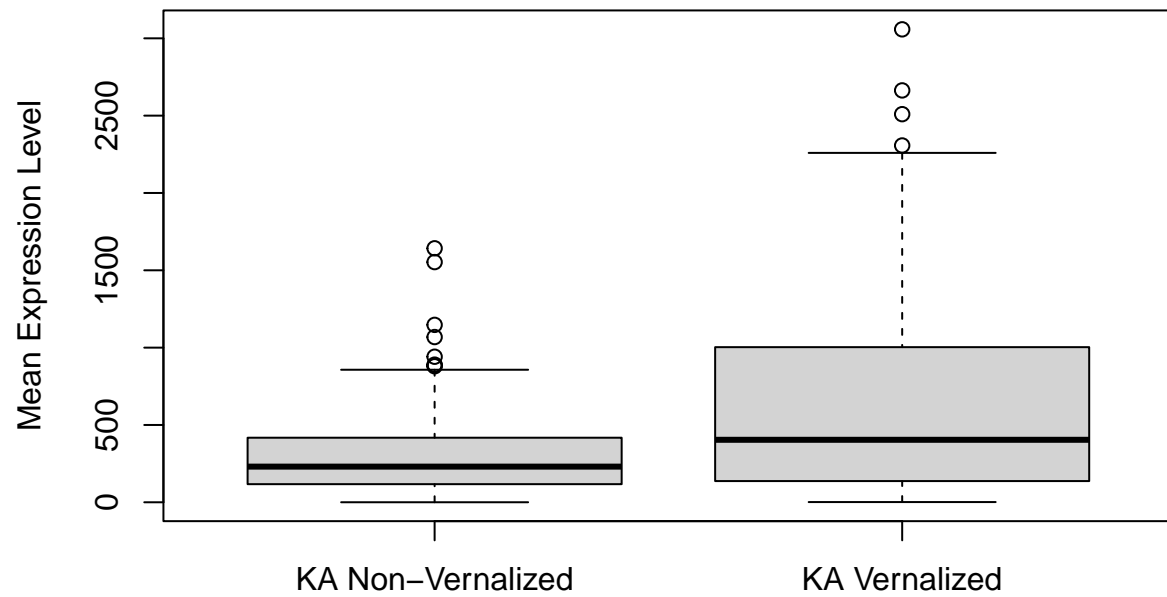
```
#Using the \texttt{apply()} function as shown in the template, calculate mean expression level across t
```

```
kanv_mean = apply(arenosa.sample[2:4], 1, mean)
kav_mean = apply(arenosa.sample[5:7], 1, mean)
tbgnv_mean = apply(arenosa.sample[8:10], 1, mean)
tbgvmean = apply(arenosa.sample[11:13], 1, mean)
```

```
##4. Using graphical methods, compare expression levels of cold-responsive genes between non-vernalized
```

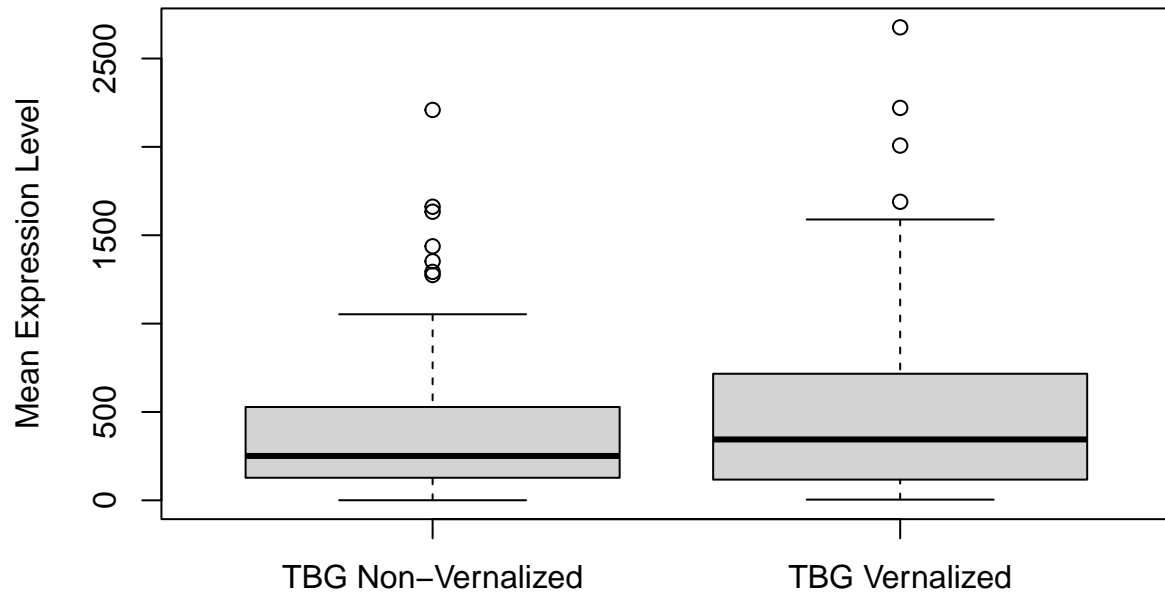
```
boxplot(kanv_mean, kav_mean,
        names = c("KA Non-Vernalized", "KA Vernalized"),
        main = "Comparison of KA Gene Expression",
        ylab = "Mean Expression Level")
```

Comparison of KA Gene Expression



```
boxplot(tbgnv_mean, tbgvmean,  
        names = c("TBG Non-Vernalized", "TBG Vernalized"),  
        main = "Comparison of TBG Gene Expression",  
        ylab = "Mean Expression Level")
```

Comparison of TBG Gene Expression

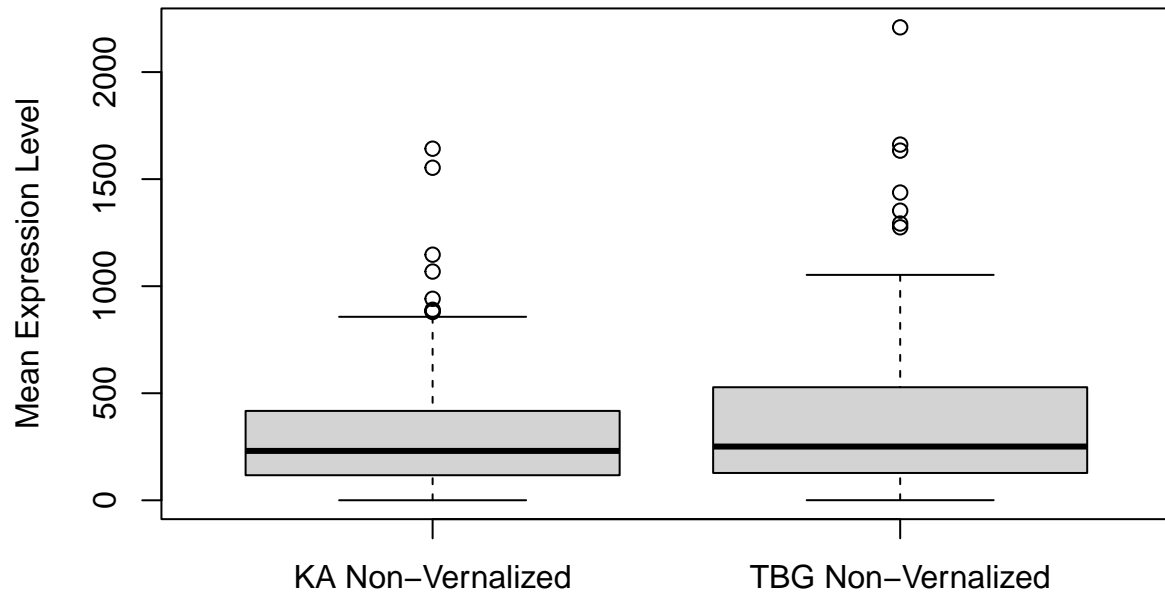


```
print("the expression levels of vernalized KA and TBG are noticeably higher.")
```

```
## [1] "the expression levels of vernalized KA and TBG are noticeably higher."
```

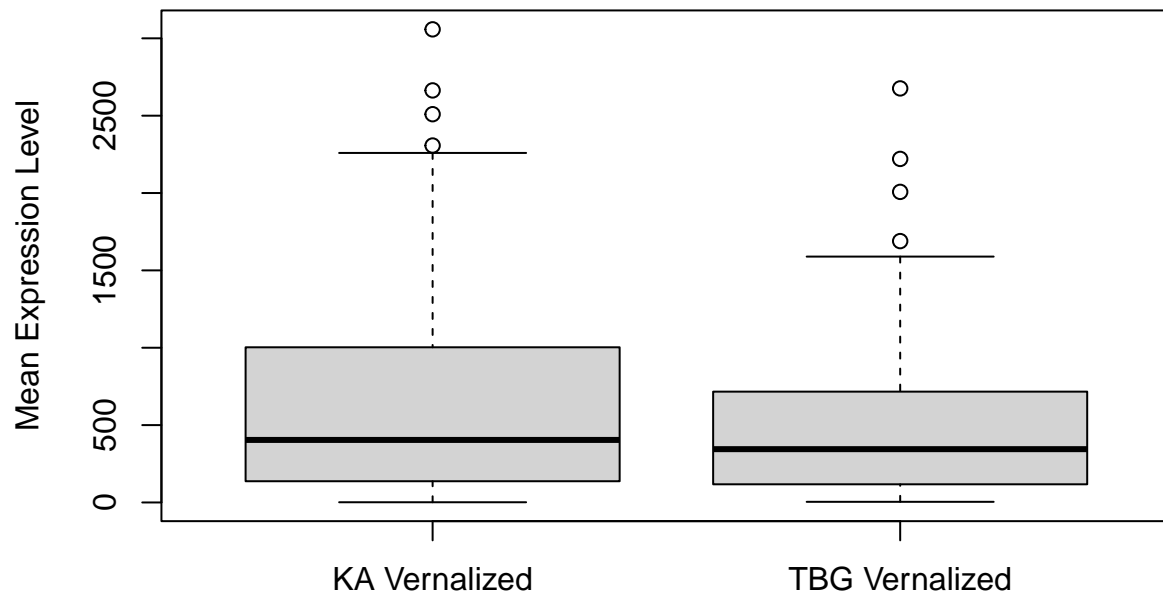
```
##5. Using graphical and numerical methods, compare expression levels of cold-responsive genes between 1
boxplot(kanv_mean, tbgnv_mean,
        names = c("KA Non-Vernalized", "TBG Non-Vernalized"),
        main = "Comparison of Non-Vernalized Gene Expression",
        ylab = "Mean Expression Level")
```


Comparison of Non-Vernalized Gene Expression



```
boxplot(kav_mean, tbgvmean,  
        names = c("KA Vernalized", "TBG Vernalized"),  
        main = "Comparison of Vernalized Gene Expression",  
        ylab = "Mean Expression Level")
```

Comparison of Vernalized Gene Expression



```
print("For NON-veralized group, TBG shown higher expression levels in general, whereas for vernalized g
```

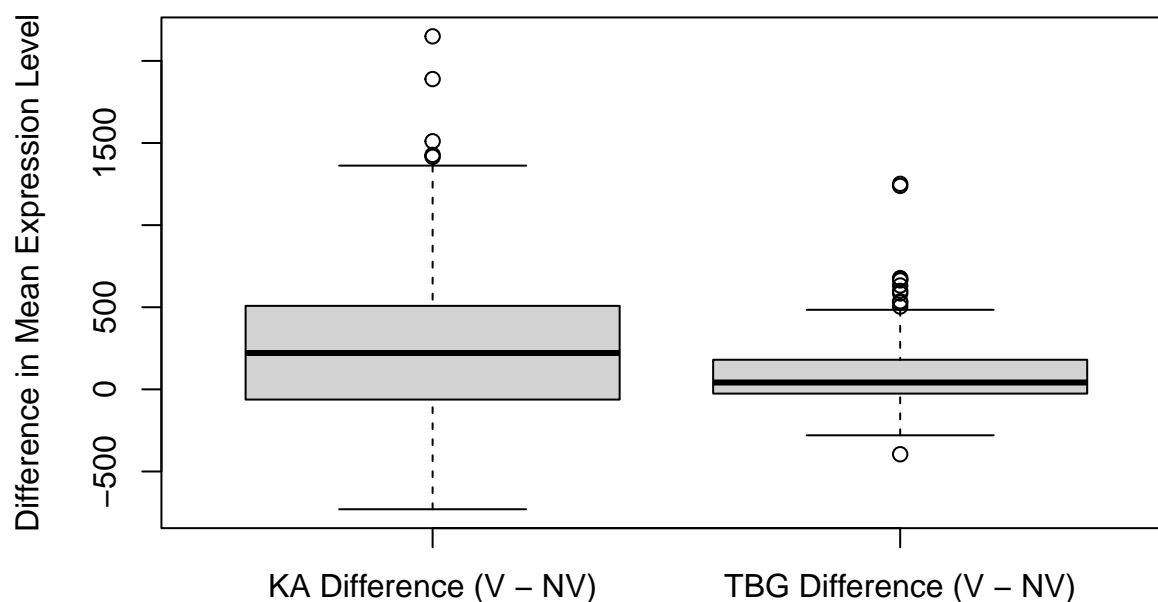
```
## [1] "For NON-veralized group, TBG shown higher expression levels in general, whereas for vernalized g
```

```
##6. Based on the observations made in Questions 4 and 5, does vernalization appear to trigger a strong
```

```
difference_ka <- kav_mean - kanv_mean  
difference_tbg <- tbgvmean - tbgnv_mean
```

```
boxplot(difference_ka, difference_tbg,  
        names = c("KA Difference (V - NV)", "TBG Difference (V - NV)",  
        main = "Differences in Gene Expression Due to Vernalization",  
        ylab = "Difference in Mean Expression Level")
```

Differences in Gene Expression Due to Vernalization



```
print("yes, vernalization induced different levelhigher expression variation in KA than that of TBG, bu
```

```
## [1] "yes, vernalization induced different levelhigher expression variation in KA than that of TBG, bu
```

```
### Identifying outliers for responsiveness
##7. A more quantitative way to explore the data is to use a gene-level approach. Let the ratio of expr
#Using the expression means defined in Question 3, calculate the responsiveness of the genes in \texttt
# Calculate responsiveness for KA
resp_ka <- kav_mean / kanv_mean

# Calculate responsiveness for TBG
resp_tbg <- tbgvmean / tbgnv_mean

# Display the responsiveness values for the first three genes
print("Responsiveness for the first three genes in KA:")
```

```
## [1] "Responsiveness for the first three genes in KA:"
```

```
resp_ka[1:3]
```

```
##      579      704      224
## 2.008186 1.755798 5.004825
```

```
print("Responsiveness for the first three genes in TBG:")
```

```
## [1] "Responsiveness for the first three genes in TBG:"
```

```
resp_tbg[1:3]
```

```
##      579      704      224  
## 1.564551 0.969445 3.021796
```

```
##8. Create a plot to compare the responsiveness of genes in KA versus TBG for the genes in \texttt{are}
# Log-transform the responsiveness to better visualize differences
```

```
log_resp_ka <- log(resp_ka)
```

```
log_resp_tbg <- log(resp_tbg)
```

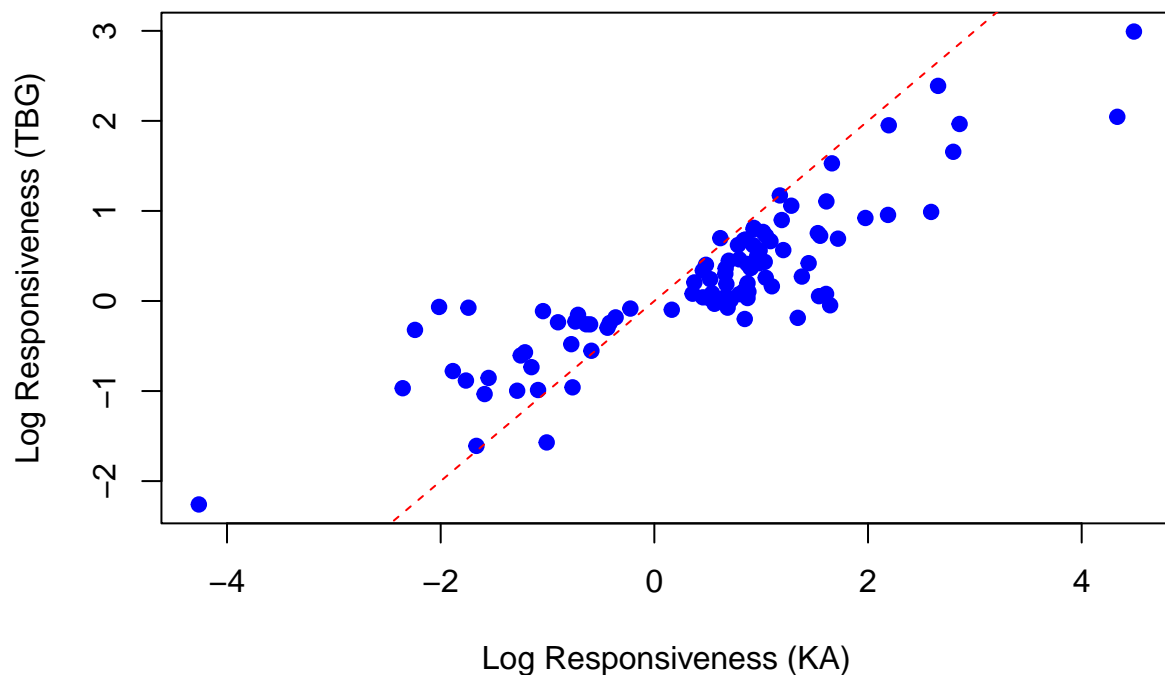
```
# Plot the log-transformed responsiveness values
```

```
plot(log_resp_ka, log_resp_tbg,  
     xlab = "Log Responsiveness (KA)",  
     ylab = "Log Responsiveness (TBG)",  
     main = "Comparison of Gene Responsiveness to Vernalization in KA vs. TBG",  
     pch = 19, col = "blue")
```

```
# Add a reference line for equal responsiveness
```

```
abline(a = 0, b = 1, col = "red", lty = 2)
```

Comparison of Gene Responsiveness to Vernalization in KA vs. TBG



```
print(" there seems to have higher levels of responsiveness in KA  than that of in TBG. There are genes
```

```
## [1] " there seems to have higher levels of responsiveness in KA  than that of in TBG. There are genes
```

```
##9. Among the 1,088 genes in the complete dataset, which seem to have unusually high or low response to
```

```
#a) Report the genes that are high outliers for both KA and TBG, and the genes that are low outliers for
```

```
log_resp_ka <- log(resp_ka)
```

```
log_resp_tbg <- log(resp_tbg)
```

```
# Calculate the IQR for KA and TBG
```

```
iqr_ka <- IQR(log_resp_ka, na.rm = TRUE)
```

```
iqr_tbg <- IQR(log_resp_tbg, na.rm = TRUE)
```

```
# Calculate the upper and lower bounds for outliers
```

```
upbound_ka <- quantile(log_resp_ka, 0.75, na.rm = TRUE) + 1.5 * iqr_ka
```

```
lobound_ka <- quantile(log_resp_ka, 0.25, na.rm = TRUE) - 1.5 * iqr_ka
```

```
upbound_tbg <- quantile(log_resp_tbg, 0.75, na.rm = TRUE) + 1.5 * iqr_tbg
```

```
lobound_tbg <- quantile(log_resp_tbg, 0.25, na.rm = TRUE) - 1.5 * iqr_tbg
```

```
# Identify high and low outliers for KA
```

```
high_out_ka <- which(log_resp_ka > upbound_ka)
```

```
low_out_ka <- which(log_resp_ka < lobound_ka)
```

```
# Identify high and low outliers for TBG
```

```
high_out_tbg <- which(log_resp_tbg > upbound_tbg)
```

```
low_out_tbg <- which(log_resp_tbg < lobound_tbg)
```

```
# Find common high and low outliers for both KA and TBG
```

```
high_out_both <- intersect(high_out_ka, high_out_tbg)
```

```
low_out_both <- intersect(low_out_ka, low_out_tbg)
```

```
gene_names <- arenosa.sample$gene.name
```

```
high_outliers_both_genes <- gene_names[high_out_both]
```

```
low_outliers_both_genes <- gene_names[low_out_both]
```

```
# Report the high and low outliers common to both
```

```
print("High outliers for both KA and TBG:")
```

```
## [1] "High outliers for both KA and TBG:"
```

```
high_outliers_both_genes
```

```
## [1] "ELIP" "918965"
```

```
print("Low outliers for both KA and TBG:")
```

```
## [1] "Low outliers for both KA and TBG:"
```

```
low_outliers_both_genes
```

```
## [1] "921327"
```

```
#b) Why might it be interesting to further investigate cold-responsive genes that are either high outli  
print("High Outliers are Genes that are highly responsive in both KA and TBG may play a critical role in
```

```
## [1] "High Outliers are Genes that are highly responsive in both KA and TBG may play a critical role in
```

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.