Comparison of ranks compiled from S1 and ST sobol indices and coefficients (COEF) of corresponding elastinet models

Examination of absolute ranks

Visualisation of ranks comparison between pairs of S1 and COEF, as well as ST and COEF.

Dataset overview

```
##                                  Variable lambda method alpha rank
## 1                        filling_avg_temp    min   coef  0.00    2
## 2         filling_fq_Maximum_temperature..31    min   coef  0.00   45
## 3        filling_fq_Precipitation_amount..0.1    min   coef  0.00   59
## 4         filling_fq_Precipitation_amount..40    min   coef  0.00   14
## 5                  filling_fq_Snow_depth..1    min   coef  0.00   22
## 6                       filling_length_days    min   coef  0.00   24
## 7                   filling_since_nyear_days    min   coef  0.00   34
## 8                   filling_since_seed_days    min   coef  0.00   26
## 9        filling_sk_Maximum_temperature..31    min   coef  0.00   17
## 10       filling_sk_Precipitation_amount..0.1    min   coef  0.00   48
## 11        filling_sk_Precipitation_amount..40    min   coef  0.00   29
## 12                 filling_sk_Snow_depth..1    min   coef  0.00   31
## 13                        filling_total_prec    min   coef  0.00   11
## 14                      generative_avg_temp    min   coef  0.00   10
## 15     generative_fq_Maximum_temperature..31    min   coef  0.00   37
## 16    generative_fq_Precipitation_amount..0.1    min   coef  0.00   46
## 17    generative_fq_Precipitation_amount..40    min   coef  0.00   40
## 18            generative_fq_Snow_depth..1    min   coef  0.00   20
## 19                   generative_length_days    min   coef  0.00   21
## 20               generative_since_nyear_days    min   coef  0.00   18
## 21               generative_since_seed_days    min   coef  0.00   42
## 22    generative_sk_Maximum_temperature..31    min   coef  0.00   36
## 23   generative_sk_Precipitation_amount..0.1    min   coef  0.00   51
## 24    generative_sk_Precipitation_amount..40    min   coef  0.00   39
## 25            generative_sk_Snow_depth..1    min   coef  0.00   23
## 26                    generative_total_prec    min   coef  0.00   35
## 27                             NA_avg_temp    min   coef  0.00    3
## 28          NA_fq_Maximum_temperature..31    min   coef  0.00   32
## 29          NA_fq_Minimum_temperature...15    min   coef  0.00   38
## 30         NA_fq_Precipitation_amount..0.1    min   coef  0.00    5
## 31          NA_fq_Precipitation_amount..40    min   coef  0.00   55
## 32                  NA_fq_Snow_depth..1    min   coef  0.00    6
## 33                  NA_fq_Snow_depth..4    min   coef  0.00    9
## 34                        NA_length_days    min   coef  0.00   49
## 35          NA_sk_Maximum_temperature..31    min   coef  0.00   33
## 36          NA_sk_Minimum_temperature...15    min   coef  0.00   27
## 37         NA_sk_Precipitation_amount..0.1    min   coef  0.00   30
## 38          NA_sk_Precipitation_amount..40    min   coef  0.00   56
## 39                  NA_sk_Snow_depth..1    min   coef  0.00    7
## 40                  NA_sk_Snow_depth..4    min   coef  0.00   25
## 41                         NA_total_prec    min   coef  0.00    4
```

```
## 42                   vegetative_avg_temp   min   coef   0.00   19
## 43     vegetative_fq_Maximum_temperature..31   min   coef   0.00   54
## 44    vegetative_fq_Precipitation_amount..0.1   min   coef   0.00   13
## 45     vegetative_fq_Precipitation_amount..40   min   coef   0.00   58
## 46               vegetative_fq_Snow_depth..1   min   coef   0.00   44
## 47               vegetative_fq_Snow_depth..4   min   coef   0.00   61
## 48                 vegetative_length_days   min   coef   0.00   47
## 49              vegetative_since_nyear_days   min   coef   0.00   12
## 50     vegetative_sk_Maximum_temperature..31   min   coef   0.00   53
## 51    vegetative_sk_Precipitation_amount..0.1   min   coef   0.00   15
## 52     vegetative_sk_Precipitation_amount..40   min   coef   0.00   57
## 53               vegetative_sk_Snow_depth..1   min   coef   0.00   50
## 54               vegetative_sk_Snow_depth..4   min   coef   0.00   60
## 55                 vegetative_total_prec   min   coef   0.00   16
## 56                   critical_events   min   coef   0.00   52
## 57                        filling   min   coef   0.00   41
## 58                     generative   min   coef   0.00   43
## 59                            NA.   min   coef   0.00    8
## 60                     vegetative   min   coef   0.00   28
## 61                           area   min   coef   0.00    1
## 62                  filling_avg_temp   min     s1   0.00    3
## 63      filling_fq_Maximum_temperature..31   min     s1   0.00   28
## 64     filling_fq_Precipitation_amount..0.1   min     s1   0.00   41
## 65      filling_fq_Precipitation_amount..40   min     s1   0.00   11
## 66                filling_fq_Snow_depth..1   min     s1   0.00   14
## 67                 filling_length_days   min     s1   0.00   21
## 68              filling_since_nyear_days   min     s1   0.00   25
## 69               filling_since_seed_days   min     s1   0.00   55
## 70      filling_sk_Maximum_temperature..31   min     s1   0.00   16
## 71     filling_sk_Precipitation_amount..0.1   min     s1   0.00   38
## 72      filling_sk_Precipitation_amount..40   min     s1   0.00   26
## 73                filling_sk_Snow_depth..1   min     s1   0.00   31
## 74                 filling_total_prec   min     s1   0.00   12
## 75                generative_avg_temp   min     s1   0.00    9
## 76    generative_fq_Maximum_temperature..31   min     s1   0.00   32
## 77   generative_fq_Precipitation_amount..0.1   min     s1   0.00   52
## 78    generative_fq_Precipitation_amount..40   min     s1   0.00   56
## 79              generative_fq_Snow_depth..1   min     s1   0.00   39
## 80                generative_length_days   min     s1   0.00   33
## 81             generative_since_nyear_days   min     s1   0.00   13
## 82              generative_since_seed_days   min     s1   0.00   47
## 83    generative_sk_Maximum_temperature..31   min     s1   0.00   34
## 84   generative_sk_Precipitation_amount..0.1   min     s1   0.00   54
## 85    generative_sk_Precipitation_amount..40   min     s1   0.00   35
## 86              generative_sk_Snow_depth..1   min     s1   0.00   37
## 87                generative_total_prec   min     s1   0.00   48
## 88                     NA_avg_temp   min     s1   0.00    4
## 89         NA_fq_Maximum_temperature..31   min     s1   0.00   59
## 90          NA_fq_Minimum_temperature...15   min     s1   0.00    7
## 91         NA_fq_Precipitation_amount..0.1   min     s1   0.00    2
## 92          NA_fq_Precipitation_amount..40   min     s1   0.00   53
## 93                NA_fq_Snow_depth..1   min     s1   0.00   46
## 94                NA_fq_Snow_depth..4   min     s1   0.00    5
## 95                   NA_length_days   min     s1   0.00   36
```

```
## 96             NA_sk_Maximum_temperature..31   min   s1   0.00   27
## 97             NA_sk_Minimum_temperature...15   min   s1   0.00   18
## 98             NA_sk_Precipitation_amount..0.1  min   s1   0.00   20
## 99             NA_sk_Precipitation_amount..40   min   s1   0.00   44
## 100                       NA_sk_Snow_depth..1   min   s1   0.00    8
## 101                       NA_sk_Snow_depth..4   min   s1   0.00   30
## 102                            NA_total_prec   min   s1   0.00   10
## 103                         vegetative_avg_temp   min   s1   0.00   22
## 104    vegetative_fq_Maximum_temperature..31   min   s1   0.00   51
## 105  vegetative_fq_Precipitation_amount..0.1   min   s1   0.00   24
## 106  vegetative_fq_Precipitation_amount..40    min   s1   0.00   57
## 107             vegetative_fq_Snow_depth..1   min   s1   0.00   42
## 108             vegetative_fq_Snow_depth..4   min   s1   0.00   58
## 109                  vegetative_length_days   min   s1   0.00   49
## 110               vegetative_since_nyear_days   min   s1   0.00   15
## 111    vegetative_sk_Maximum_temperature..31   min   s1   0.00   60
## 112  vegetative_sk_Precipitation_amount..0.1   min   s1   0.00   17
## 113  vegetative_sk_Precipitation_amount..40    min   s1   0.00   50
## 114             vegetative_sk_Snow_depth..1   min   s1   0.00   40
## 115             vegetative_sk_Snow_depth..4   min   s1   0.00   61
## 116                  vegetative_total_prec   min   s1   0.00   19
## 117                        critical_events   min   s1   0.00   43
## 118                                filling   min   s1   0.00   45
## 119                             generative   min   s1   0.00   29
## 120                                    NA.   min   s1   0.00    6
## 121                             vegetative   min   s1   0.00   23
## 122                                   area   min   s1   0.00    1
## 123                        filling_avg_temp   min   st   0.00    3
## 124     filling_fq_Maximum_temperature..31   min   st   0.00   29
## 125   filling_fq_Precipitation_amount..0.1   min   st   0.00   44
## 126   filling_fq_Precipitation_amount..40    min   st   0.00   11
## 127              filling_fq_Snow_depth..1   min   st   0.00   13
## 128                  filling_length_days   min   st   0.00   21
## 129               filling_since_nyear_days   min   st   0.00   23
## 130               filling_since_seed_days   min   st   0.00   50
## 131     filling_sk_Maximum_temperature..31   min   st   0.00   15
## 132   filling_sk_Precipitation_amount..0.1   min   st   0.00   40
## 133   filling_sk_Precipitation_amount..40    min   st   0.00   27
## 134              filling_sk_Snow_depth..1   min   st   0.00   38
## 135                  filling_total_prec   min   st   0.00   12
## 136                     generative_avg_temp   min   st   0.00    9
## 137   generative_fq_Maximum_temperature..31   min   st   0.00   34
## 138 generative_fq_Precipitation_amount..0.1   min   st   0.00   46
## 139  generative_fq_Precipitation_amount..40   min   st   0.00   45
## 140             generative_fq_Snow_depth..1   min   st   0.00   33
## 141                  generative_length_days   min   st   0.00   31
## 142               generative_since_nyear_days   min   st   0.00   14
## 143               generative_since_seed_days   min   st   0.00   35
## 144   generative_sk_Maximum_temperature..31   min   st   0.00   39
## 145 generative_sk_Precipitation_amount..0.1   min   st   0.00   49
## 146  generative_sk_Precipitation_amount..40   min   st   0.00   32
## 147             generative_sk_Snow_depth..1   min   st   0.00   30
## 148                  generative_total_prec   min   st   0.00   47
## 149                            NA_avg_temp   min   st   0.00    4
```

```
## 150                 NA_fq_Maximum_temperature..31   min   st   0.00   61
## 151                 NA_fq_Minimum_temperature...15   min   st   0.00    7
## 152                 NA_fq_Precipitation_amount..0.1  min   st   0.00    2
## 153                 NA_fq_Precipitation_amount..40   min   st   0.00   56
## 154                          NA_fq_Snow_depth..1     min   st   0.00   37
## 155                          NA_fq_Snow_depth..4     min   st   0.00    5
## 156                               NA_length_days     min   st   0.00   36
## 157                 NA_sk_Maximum_temperature..31   min   st   0.00   26
## 158                 NA_sk_Minimum_temperature...15   min   st   0.00   18
## 159                 NA_sk_Precipitation_amount..0.1  min   st   0.00   19
## 160                 NA_sk_Precipitation_amount..40   min   st   0.00   51
## 161                          NA_sk_Snow_depth..1     min   st   0.00    8
## 162                          NA_sk_Snow_depth..4     min   st   0.00   41
## 163                                 NA_total_prec    min   st   0.00   10
## 164                             vegetative_avg_temp  min   st   0.00   24
## 165         vegetative_fq_Maximum_temperature..31   min   st   0.00   53
## 166       vegetative_fq_Precipitation_amount..0.1   min   st   0.00   22
## 167        vegetative_fq_Precipitation_amount..40   min   st   0.00   55
## 168                 vegetative_fq_Snow_depth..1     min   st   0.00   43
## 169                 vegetative_fq_Snow_depth..4     min   st   0.00   60
## 170                      vegetative_length_days     min   st   0.00   58
## 171                  vegetative_since_nyear_days     min   st   0.00   20
## 172         vegetative_sk_Maximum_temperature..31   min   st   0.00   54
## 173       vegetative_sk_Precipitation_amount..0.1   min   st   0.00   17
## 174        vegetative_sk_Precipitation_amount..40   min   st   0.00   52
## 175                 vegetative_sk_Snow_depth..1     min   st   0.00   42
## 176                 vegetative_sk_Snow_depth..4     min   st   0.00   59
## 177                        vegetative_total_prec    min   st   0.00   16
## 178                              critical_events    min   st   0.00   48
## 179                                      filling    min   st   0.00   57
## 180                                   generative    min   st   0.00   28
## 181                                          NA.   min   st   0.00    6
## 182                                   vegetative    min   st   0.00   25
## 183                                         area    min   st   0.00    1
## 184                            filling_avg_temp    1se   coef  0.00    3
## 185         filling_fq_Maximum_temperature..31    1se   coef  0.00   41
## 186        filling_fq_Precipitation_amount..0.1   1se   coef  0.00   49
## 187         filling_fq_Precipitation_amount..40   1se   coef  0.00   14
## 188                  filling_fq_Snow_depth..1     1se   coef  0.00   42
## 189                          filling_length_days   1se   coef  0.00   40
## 190                     filling_since_nyear_days   1se   coef  0.00   32
## 191                      filling_since_seed_days   1se   coef  0.00   22
## 192         filling_sk_Maximum_temperature..31    1se   coef  0.00   15
## 193        filling_sk_Precipitation_amount..0.1   1se   coef  0.00   47
## 194         filling_sk_Precipitation_amount..40   1se   coef  0.00   36
## 195                  filling_sk_Snow_depth..1     1se   coef  0.00   43
## 196                            filling_total_prec   1se   coef  0.00    7
## 197                         generative_avg_temp    1se   coef  0.00   12
## 198      generative_fq_Maximum_temperature..31    1se   coef  0.00   38
## 199     generative_fq_Precipitation_amount..0.1   1se   coef  0.00   57
## 200      generative_fq_Precipitation_amount..40   1se   coef  0.00   30
## 201               generative_fq_Snow_depth..1     1se   coef  0.00   19
## 202                      generative_length_days   1se   coef  0.00   18
## 203                  generative_since_nyear_days   1se   coef  0.00   13
```

```
## 204               generative_since_seed_days   1se   coef   0.00   35
## 205      generative_sk_Maximum_temperature..31   1se   coef   0.00   37
## 206     generative_sk_Precipitation_amount..0.1  1se   coef   0.00   45
## 207      generative_sk_Precipitation_amount..40  1se   coef   0.00   29
## 208               generative_sk_Snow_depth..1   1se   coef   0.00   20
## 209                     generative_total_prec   1se   coef   0.00   31
## 210                              NA_avg_temp   1se   coef   0.00    9
## 211          NA_fq_Maximum_temperature..31      1se   coef   0.00   26
## 212          NA_fq_Minimum_temperature...15     1se   coef   0.00   46
## 213          NA_fq_Precipitation_amount..0.1    1se   coef   0.00    2
## 214          NA_fq_Precipitation_amount..40     1se   coef   0.00   56
## 215                     NA_fq_Snow_depth..1     1se   coef   0.00    5
## 216                     NA_fq_Snow_depth..4     1se   coef   0.00    6
## 217                            NA_length_days   1se   coef   0.00   54
## 218          NA_sk_Maximum_temperature..31      1se   coef   0.00   25
## 219          NA_sk_Minimum_temperature...15     1se   coef   0.00   17
## 220          NA_sk_Precipitation_amount..0.1    1se   coef   0.00   44
## 221          NA_sk_Precipitation_amount..40     1se   coef   0.00   55
## 222                     NA_sk_Snow_depth..1     1se   coef   0.00   10
## 223                     NA_sk_Snow_depth..4     1se   coef   0.00   48
## 224                             NA_total_prec   1se   coef   0.00    4
## 225                         vegetative_avg_temp 1se   coef   0.00   27
## 226    vegetative_fq_Maximum_temperature..31    1se   coef   0.00   61
## 227   vegetative_fq_Precipitation_amount..0.1   1se   coef   0.00   23
## 228    vegetative_fq_Precipitation_amount..40   1se   coef   0.00   52
## 229              vegetative_fq_Snow_depth..1    1se   coef   0.00   33
## 230              vegetative_fq_Snow_depth..4    1se   coef   0.00   58
## 231                     vegetative_length_days  1se   coef   0.00   34
## 232                vegetative_since_nyear_days  1se   coef   0.00   11
## 233    vegetative_sk_Maximum_temperature..31    1se   coef   0.00   60
## 234   vegetative_sk_Precipitation_amount..0.1   1se   coef   0.00   21
## 235    vegetative_sk_Precipitation_amount..40   1se   coef   0.00   51
## 236              vegetative_sk_Snow_depth..1    1se   coef   0.00   39
## 237              vegetative_sk_Snow_depth..4    1se   coef   0.00   59
## 238                     vegetative_total_prec   1se   coef   0.00   16
## 239                            critical_events  1se   coef   0.00   50
## 240                                    filling  1se   coef   0.00   53
## 241                                 generative  1se   coef   0.00   24
## 242                                        NA.  1se   coef   0.00    8
## 243                                 vegetative  1se   coef   0.00   28
## 244                                       area  1se   coef   0.00    1
## 245                           filling_avg_temp  1se     s1   0.00    4
## 246       filling_fq_Maximum_temperature..31   1se     s1   0.00   43
## 247      filling_fq_Precipitation_amount..0.1  1se     s1   0.00   39
## 248       filling_fq_Precipitation_amount..40  1se     s1   0.00   13
## 249                 filling_fq_Snow_depth..1   1se     s1   0.00   26
## 250                        filling_length_days 1se     s1   0.00   41
## 251                  filling_since_nyear_days  1se     s1   0.00   23
## 252                   filling_since_seed_days  1se     s1   0.00   57
## 253       filling_sk_Maximum_temperature..31   1se     s1   0.00   17
## 254      filling_sk_Precipitation_amount..0.1  1se     s1   0.00   38
## 255       filling_sk_Precipitation_amount..40  1se     s1   0.00   33
## 256                 filling_sk_Snow_depth..1   1se     s1   0.00   36
## 257                         filling_total_prec 1se     s1   0.00    9
```

```
## 258                          generative_avg_temp  1se   s1  0.00  14
## 259     generative_fq_Maximum_temperature..31  1se   s1  0.00  30
## 260   generative_fq_Precipitation_amount..0.1  1se   s1  0.00  47
## 261    generative_fq_Precipitation_amount..40  1se   s1  0.00  44
## 262               generative_fq_Snow_depth..1  1se   s1  0.00  52
## 263                      generative_length_days  1se   s1  0.00  25
## 264                 generative_since_nyear_days  1se   s1  0.00  11
## 265                  generative_since_seed_days  1se   s1  0.00  40
## 266     generative_sk_Maximum_temperature..31  1se   s1  0.00  29
## 267   generative_sk_Precipitation_amount..0.1  1se   s1  0.00  59
## 268    generative_sk_Precipitation_amount..40  1se   s1  0.00  28
## 269               generative_sk_Snow_depth..1  1se   s1  0.00  22
## 270                     generative_total_prec  1se   s1  0.00  32
## 271                                 NA_avg_temp  1se   s1  0.00   5
## 272             NA_fq_Maximum_temperature..31  1se   s1  0.00  53
## 273             NA_fq_Minimum_temperature...15  1se   s1  0.00   7
## 274           NA_fq_Precipitation_amount..0.1  1se   s1  0.00   2
## 275            NA_fq_Precipitation_amount..40  1se   s1  0.00  56
## 276                       NA_fq_Snow_depth..1  1se   s1  0.00  16
## 277                       NA_fq_Snow_depth..4  1se   s1  0.00   3
## 278                             NA_length_days  1se   s1  0.00  58
## 279             NA_sk_Maximum_temperature..31  1se   s1  0.00  20
## 280             NA_sk_Minimum_temperature...15  1se   s1  0.00  15
## 281           NA_sk_Precipitation_amount..0.1  1se   s1  0.00  35
## 282            NA_sk_Precipitation_amount..40  1se   s1  0.00  48
## 283                       NA_sk_Snow_depth..1  1se   s1  0.00  10
## 284                       NA_sk_Snow_depth..4  1se   s1  0.00  46
## 285                             NA_total_prec  1se   s1  0.00   8
## 286                        vegetative_avg_temp  1se   s1  0.00  34
## 287    vegetative_fq_Maximum_temperature..31  1se   s1  0.00  55
## 288  vegetative_fq_Precipitation_amount..0.1  1se   s1  0.00  42
## 289   vegetative_fq_Precipitation_amount..40  1se   s1  0.00  51
## 290              vegetative_fq_Snow_depth..1  1se   s1  0.00  49
## 291              vegetative_fq_Snow_depth..4  1se   s1  0.00  54
## 292                     vegetative_length_days  1se   s1  0.00  31
## 293                vegetative_since_nyear_days  1se   s1  0.00  12
## 294    vegetative_sk_Maximum_temperature..31  1se   s1  0.00  60
## 295  vegetative_sk_Precipitation_amount..0.1  1se   s1  0.00  19
## 296   vegetative_sk_Precipitation_amount..40  1se   s1  0.00  45
## 297              vegetative_sk_Snow_depth..1  1se   s1  0.00  27
## 298              vegetative_sk_Snow_depth..4  1se   s1  0.00  61
## 299                    vegetative_total_prec  1se   s1  0.00  21
## 300                            critical_events  1se   s1  0.00  37
## 301                                    filling  1se   s1  0.00  50
## 302                                 generative  1se   s1  0.00  18
## 303                                        NA.  1se   s1  0.00   6
## 304                                 vegetative  1se   s1  0.00  24
## 305                                       area  1se   s1  0.00   1
## 306                            filling_avg_temp  1se   st  0.00   4
## 307        filling_fq_Maximum_temperature..31  1se   st  0.00  44
## 308      filling_fq_Precipitation_amount..0.1  1se   st  0.00  37
## 309       filling_fq_Precipitation_amount..40  1se   st  0.00  13
## 310                  filling_fq_Snow_depth..1  1se   st  0.00  24
## 311                         filling_length_days  1se   st  0.00  36
```

6

```
## 312                 filling_since_nyear_days      1se    st   0.00    23
## 313                 filling_since_seed_days       1se    st   0.00    55
## 314         filling_sk_Maximum_temperature..31    1se    st   0.00    17
## 315        filling_sk_Precipitation_amount..0.1   1se    st   0.00    41
## 316         filling_sk_Precipitation_amount..40   1se    st   0.00    34
## 317             filling_sk_Snow_depth..1          1se    st   0.00    42
## 318                   filling_total_prec          1se    st   0.00     9
## 319                   generative_avg_temp         1se    st   0.00    11
## 320       generative_fq_Maximum_temperature..31   1se    st   0.00    32
## 321      generative_fq_Precipitation_amount..0.1  1se    st   0.00    61
## 322       generative_fq_Precipitation_amount..40  1se    st   0.00    33
## 323           generative_fq_Snow_depth..1         1se    st   0.00    39
## 324                 generative_length_days        1se    st   0.00    25
## 325               generative_since_nyear_days     1se    st   0.00    12
## 326               generative_since_seed_days      1se    st   0.00    29
## 327       generative_sk_Maximum_temperature..31   1se    st   0.00    38
## 328      generative_sk_Precipitation_amount..0.1  1se    st   0.00    45
## 329       generative_sk_Precipitation_amount..40  1se    st   0.00    27
## 330           generative_sk_Snow_depth..1         1se    st   0.00    20
## 331                 generative_total_prec         1se    st   0.00    31
## 332                     NA_avg_temp               1se    st   0.00     5
## 333          NA_fq_Maximum_temperature..31        1se    st   0.00    51
## 334          NA_fq_Minimum_temperature...15       1se    st   0.00     7
## 335         NA_fq_Precipitation_amount..0.1       1se    st   0.00     2
## 336          NA_fq_Precipitation_amount..40       1se    st   0.00    59
## 337               NA_fq_Snow_depth..1             1se    st   0.00    14
## 338               NA_fq_Snow_depth..4             1se    st   0.00     3
## 339                   NA_length_days              1se    st   0.00    52
## 340          NA_sk_Maximum_temperature..31        1se    st   0.00    22
## 341          NA_sk_Minimum_temperature...15       1se    st   0.00    15
## 342         NA_sk_Precipitation_amount..0.1       1se    st   0.00    30
## 343          NA_sk_Precipitation_amount..40       1se    st   0.00    53
## 344               NA_sk_Snow_depth..1             1se    st   0.00    10
## 345               NA_sk_Snow_depth..4             1se    st   0.00    54
## 346                   NA_total_prec               1se    st   0.00     8
## 347                 vegetative_avg_temp           1se    st   0.00    43
## 348       vegetative_fq_Maximum_temperature..31   1se    st   0.00    56
## 349      vegetative_fq_Precipitation_amount..0.1  1se    st   0.00    46
## 350       vegetative_fq_Precipitation_amount..40  1se    st   0.00    50
## 351           vegetative_fq_Snow_depth..1         1se    st   0.00    49
## 352           vegetative_fq_Snow_depth..4         1se    st   0.00    60
## 353                 vegetative_length_days        1se    st   0.00    35
## 354               vegetative_since_nyear_days     1se    st   0.00    16
## 355       vegetative_sk_Maximum_temperature..31   1se    st   0.00    57
## 356      vegetative_sk_Precipitation_amount..0.1  1se    st   0.00    21
## 357       vegetative_sk_Precipitation_amount..40  1se    st   0.00    47
## 358           vegetative_sk_Snow_depth..1         1se    st   0.00    28
## 359           vegetative_sk_Snow_depth..4         1se    st   0.00    58
## 360                 vegetative_total_prec         1se    st   0.00    19
## 361                   critical_events             1se    st   0.00    40
## 362                       filling                 1se    st   0.00    48
## 363                     generative                1se    st   0.00    18
## 364                         NA.                   1se    st   0.00     6
## 365                     vegetative                1se    st   0.00    26
```

```
## 366                              area   1se     st   0.00    1
## 367                   filling_avg_temp   min   coef   0.25    2
## 368   filling_fq_Maximum_temperature..31   min   coef   0.25   61
## 369   filling_fq_Precipitation_amount..0.1   min   coef   0.25   61
## 370    filling_fq_Precipitation_amount..40   min   coef   0.25   22
## 371              filling_fq_Snow_depth..1   min   coef   0.25   14
## 372                filling_length_days   min   coef   0.25   13
## 373            filling_since_nyear_days   min   coef   0.25   61
## 374             filling_since_seed_days   min   coef   0.25   61
## 375   filling_sk_Maximum_temperature..31   min   coef   0.25   32
## 376   filling_sk_Precipitation_amount..0.1   min   coef   0.25   61
## 377    filling_sk_Precipitation_amount..40   min   coef   0.25   61
## 378              filling_sk_Snow_depth..1   min   coef   0.25   17
## 379                  filling_total_prec   min   coef   0.25   11
## 380                generative_avg_temp   min   coef   0.25    4
## 381   generative_fq_Maximum_temperature..31   min   coef   0.25   29
## 382 generative_fq_Precipitation_amount..0.1   min   coef   0.25   33
## 383   generative_fq_Precipitation_amount..40   min   coef   0.25   27
## 384            generative_fq_Snow_depth..1   min   coef   0.25   20
## 385               generative_length_days   min   coef   0.25   31
## 386           generative_since_nyear_days   min   coef   0.25   61
## 387            generative_since_seed_days   min   coef   0.25   61
## 388   generative_sk_Maximum_temperature..31   min   coef   0.25   26
## 389 generative_sk_Precipitation_amount..0.1   min   coef   0.25   35
## 390   generative_sk_Precipitation_amount..40   min   coef   0.25   30
## 391            generative_sk_Snow_depth..1   min   coef   0.25   36
## 392                 generative_total_prec   min   coef   0.25   19
## 393                          NA_avg_temp   min   coef   0.25    3
## 394          NA_fq_Maximum_temperature..31   min   coef   0.25   25
## 395          NA_fq_Minimum_temperature...15   min   coef   0.25   61
## 396          NA_fq_Precipitation_amount..0.1   min   coef   0.25   10
## 397          NA_fq_Precipitation_amount..40   min   coef   0.25   41
## 398                      NA_fq_Snow_depth..1   min   coef   0.25    7
## 399                      NA_fq_Snow_depth..4   min   coef   0.25   16
## 400                          NA_length_days   min   coef   0.25   61
## 401          NA_sk_Maximum_temperature..31   min   coef   0.25   24
## 402          NA_sk_Minimum_temperature...15   min   coef   0.25   34
## 403          NA_sk_Precipitation_amount..0.1   min   coef   0.25   21
## 404          NA_sk_Precipitation_amount..40   min   coef   0.25   40
## 405                      NA_sk_Snow_depth..1   min   coef   0.25    8
## 406                      NA_sk_Snow_depth..4   min   coef   0.25   23
## 407                          NA_total_prec   min   coef   0.25    9
## 408                     vegetative_avg_temp   min   coef   0.25   61
## 409   vegetative_fq_Maximum_temperature..31   min   coef   0.25   37
## 410 vegetative_fq_Precipitation_amount..0.1   min   coef   0.25   12
## 411   vegetative_fq_Precipitation_amount..40   min   coef   0.25   39
## 412             vegetative_fq_Snow_depth..1   min   coef   0.25   61
## 413             vegetative_fq_Snow_depth..4   min   coef   0.25   61
## 414                  vegetative_length_days   min   coef   0.25   61
## 415            vegetative_since_nyear_days   min   coef   0.25    5
## 416   vegetative_sk_Maximum_temperature..31   min   coef   0.25   38
## 417 vegetative_sk_Precipitation_amount..0.1   min   coef   0.25   15
## 418   vegetative_sk_Precipitation_amount..40   min   coef   0.25   42
## 419             vegetative_sk_Snow_depth..1   min   coef   0.25   61
```

```
## 420                  vegetative_sk_Snow_depth..4   min   coef   0.25   61
## 421                       vegetative_total_prec   min   coef   0.25   18
## 422                             critical_events   min   coef   0.25   61
## 423                                     filling   min   coef   0.25   28
## 424                                  generative   min   coef   0.25   61
## 425                                         NA.   min   coef   0.25    6
## 426                                  vegetative   min   coef   0.25   61
## 427                                        area   min   coef   0.25    1
## 428                            filling_avg_temp   min     s1   0.25    4
## 429          filling_fq_Maximum_temperature..31   min     s1   0.25   61
## 430          filling_fq_Precipitation_amount..0.1   min     s1   0.25   61
## 431           filling_fq_Precipitation_amount..40   min     s1   0.25   19
## 432                  filling_fq_Snow_depth..1   min     s1   0.25   14
## 433                          filling_length_days   min     s1   0.25   21
## 434                       filling_since_nyear_days   min     s1   0.25   61
## 435                       filling_since_seed_days   min     s1   0.25   23
## 436          filling_sk_Maximum_temperature..31   min     s1   0.25   15
## 437          filling_sk_Precipitation_amount..0.1   min     s1   0.25   61
## 438           filling_sk_Precipitation_amount..40   min     s1   0.25   61
## 439                  filling_sk_Snow_depth..1   min     s1   0.25   31
## 440                          filling_total_prec   min     s1   0.25    9
## 441                         generative_avg_temp   min     s1   0.25    5
## 442       generative_fq_Maximum_temperature..31   min     s1   0.25   25
## 443      generative_fq_Precipitation_amount..0.1   min     s1   0.25   61
## 444       generative_fq_Precipitation_amount..40   min     s1   0.25   30
## 445               generative_fq_Snow_depth..1   min     s1   0.25   20
## 446                       generative_length_days   min     s1   0.25   27
## 447                    generative_since_nyear_days   min     s1   0.25   61
## 448                    generative_since_seed_days   min     s1   0.25   61
## 449       generative_sk_Maximum_temperature..31   min     s1   0.25   26
## 450      generative_sk_Precipitation_amount..0.1   min     s1   0.25   35
## 451       generative_sk_Precipitation_amount..40   min     s1   0.25   24
## 452               generative_sk_Snow_depth..1   min     s1   0.25   32
## 453                       generative_total_prec   min     s1   0.25   16
## 454                                 NA_avg_temp   min     s1   0.25    3
## 455               NA_fq_Maximum_temperature..31   min     s1   0.25   34
## 456               NA_fq_Minimum_temperature...15   min     s1   0.25   61
## 457              NA_fq_Precipitation_amount..0.1   min     s1   0.25    2
## 458               NA_fq_Precipitation_amount..40   min     s1   0.25   61
## 459                       NA_fq_Snow_depth..1   min     s1   0.25   12
## 460                       NA_fq_Snow_depth..4   min     s1   0.25   11
## 461                               NA_length_days   min     s1   0.25   61
## 462               NA_sk_Maximum_temperature..31   min     s1   0.25   22
## 463               NA_sk_Minimum_temperature...15   min     s1   0.25   29
## 464              NA_sk_Precipitation_amount..0.1   min     s1   0.25   18
## 465               NA_sk_Precipitation_amount..40   min     s1   0.25   61
## 466                       NA_sk_Snow_depth..1   min     s1   0.25   10
## 467                       NA_sk_Snow_depth..4   min     s1   0.25   61
## 468                               NA_total_prec   min     s1   0.25    8
## 469                          vegetative_avg_temp   min     s1   0.25   61
## 470       vegetative_fq_Maximum_temperature..31   min     s1   0.25   61
## 471      vegetative_fq_Precipitation_amount..0.1   min     s1   0.25   28
## 472       vegetative_fq_Precipitation_amount..40   min     s1   0.25   36
## 473               vegetative_fq_Snow_depth..1   min     s1   0.25   61
```

```
## 474              vegetative_fq_Snow_depth..4   min   s1  0.25   61
## 475                   vegetative_length_days   min   s1  0.25   61
## 476              vegetative_since_nyear_days   min   s1  0.25    6
## 477   vegetative_sk_Maximum_temperature..31   min   s1  0.25   61
## 478  vegetative_sk_Precipitation_amount..0.1  min   s1  0.25   13
## 479   vegetative_sk_Precipitation_amount..40  min   s1  0.25   37
## 480              vegetative_sk_Snow_depth..1  min   s1  0.25   61
## 481              vegetative_sk_Snow_depth..4  min   s1  0.25   61
## 482                   vegetative_total_prec   min   s1  0.25   17
## 483                         critical_events   min   s1  0.25   61
## 484                                 filling   min   s1  0.25   33
## 485                              generative   min   s1  0.25   61
## 486                                     NA.   min   s1  0.25    7
## 487                              vegetative   min   s1  0.25   61
## 488                                    area   min   s1  0.25    1
## 489                         filling_avg_temp   min   st  0.25    5
## 490     filling_fq_Maximum_temperature..31   min   st  0.25   61
## 491    filling_fq_Precipitation_amount..0.1  min   st  0.25   61
## 492     filling_fq_Precipitation_amount..40  min   st  0.25   18
## 493              filling_fq_Snow_depth..1   min   st  0.25   15
## 494                     filling_length_days   min   st  0.25   21
## 495               filling_since_nyear_days   min   st  0.25   61
## 496                filling_since_seed_days   min   st  0.25   30
## 497     filling_sk_Maximum_temperature..31   min   st  0.25   17
## 498    filling_sk_Precipitation_amount..0.1  min   st  0.25   61
## 499     filling_sk_Precipitation_amount..40  min   st  0.25   61
## 500              filling_sk_Snow_depth..1   min   st  0.25   31
## 501                      filling_total_prec   min   st  0.25    9
## 502                     generative_avg_temp   min   st  0.25    4
## 503  generative_fq_Maximum_temperature..31  min   st  0.25   27
## 504  generative_fq_Precipitation_amount..0.1 min   st  0.25   61
## 505  generative_fq_Precipitation_amount..40  min   st  0.25   24
## 506           generative_fq_Snow_depth..1   min   st  0.25   22
## 507                 generative_length_days   min   st  0.25   29
## 508           generative_since_nyear_days   min   st  0.25   61
## 509            generative_since_seed_days   min   st  0.25   61
## 510  generative_sk_Maximum_temperature..31  min   st  0.25   26
## 511  generative_sk_Precipitation_amount..0.1 min   st  0.25   35
## 512  generative_sk_Precipitation_amount..40  min   st  0.25   23
## 513           generative_sk_Snow_depth..1   min   st  0.25   32
## 514                  generative_total_prec   min   st  0.25   16
## 515                             NA_avg_temp   min   st  0.25    3
## 516          NA_fq_Maximum_temperature..31  min   st  0.25   34
## 517          NA_fq_Minimum_temperature...15 min   st  0.25   61
## 518          NA_fq_Precipitation_amount..0.1 min   st  0.25    2
## 519          NA_fq_Precipitation_amount..40  min   st  0.25   61
## 520                    NA_fq_Snow_depth..1  min   st  0.25   10
## 521                    NA_fq_Snow_depth..4  min   st  0.25   11
## 522                          NA_length_days  min   st  0.25   61
## 523          NA_sk_Maximum_temperature..31  min   st  0.25   19
## 524          NA_sk_Minimum_temperature...15 min   st  0.25   33
## 525          NA_sk_Precipitation_amount..0.1 min   st  0.25   20
## 526          NA_sk_Precipitation_amount..40  min   st  0.25   61
## 527                    NA_sk_Snow_depth..1  min   st  0.25   12
```

```
## 528                   NA_sk_Snow_depth..4    min    st   0.25   61
## 529                          NA_total_prec    min    st   0.25    8
## 530                      vegetative_avg_temp   min    st   0.25   61
## 531   vegetative_fq_Maximum_temperature..31   min    st   0.25   61
## 532 vegetative_fq_Precipitation_amount..0.1   min    st   0.25   25
## 533  vegetative_fq_Precipitation_amount..40   min    st   0.25   36
## 534            vegetative_fq_Snow_depth..1   min    st   0.25   61
## 535            vegetative_fq_Snow_depth..4   min    st   0.25   61
## 536               vegetative_length_days   min    st   0.25   61
## 537           vegetative_since_nyear_days   min    st   0.25    7
## 538   vegetative_sk_Maximum_temperature..31   min    st   0.25   61
## 539 vegetative_sk_Precipitation_amount..0.1   min    st   0.25   13
## 540  vegetative_sk_Precipitation_amount..40   min    st   0.25   37
## 541            vegetative_sk_Snow_depth..1   min    st   0.25   61
## 542            vegetative_sk_Snow_depth..4   min    st   0.25   61
## 543                  vegetative_total_prec   min    st   0.25   14
## 544                       critical_events   min    st   0.25   61
## 545                               filling   min    st   0.25   28
## 546                            generative   min    st   0.25   61
## 547                                   NA.   min    st   0.25    6
## 548                            vegetative   min    st   0.25   61
## 549                                  area   min    st   0.25    1
## 550                       filling_avg_temp   1se   coef   0.25   61
## 551      filling_fq_Maximum_temperature..31   1se   coef   0.25   20
## 552    filling_fq_Precipitation_amount..0.1   1se   coef   0.25   61
## 553     filling_fq_Precipitation_amount..40   1se   coef   0.25   61
## 554             filling_fq_Snow_depth..1   1se   coef   0.25   61
## 555                   filling_length_days   1se   coef   0.25   61
## 556               filling_since_nyear_days   1se   coef   0.25   61
## 557               filling_since_seed_days   1se   coef   0.25    6
## 558      filling_sk_Maximum_temperature..31   1se   coef   0.25   13
## 559    filling_sk_Precipitation_amount..0.1   1se   coef   0.25   61
## 560     filling_sk_Precipitation_amount..40   1se   coef   0.25   61
## 561             filling_sk_Snow_depth..1   1se   coef   0.25   61
## 562                    filling_total_prec   1se   coef   0.25    9
## 563                    generative_avg_temp   1se   coef   0.25    7
## 564   generative_fq_Maximum_temperature..31   1se   coef   0.25   61
## 565 generative_fq_Precipitation_amount..0.1   1se   coef   0.25   61
## 566  generative_fq_Precipitation_amount..40   1se   coef   0.25   19
## 567            generative_fq_Snow_depth..1   1se   coef   0.25   12
## 568               generative_length_days   1se   coef   0.25   11
## 569           generative_since_nyear_days   1se   coef   0.25   61
## 570           generative_since_seed_days   1se   coef   0.25   61
## 571   generative_sk_Maximum_temperature..31   1se   coef   0.25   61
## 572 generative_sk_Precipitation_amount..0.1   1se   coef   0.25   61
## 573  generative_sk_Precipitation_amount..40   1se   coef   0.25   18
## 574            generative_sk_Snow_depth..1   1se   coef   0.25   14
## 575                  generative_total_prec   1se   coef   0.25   15
## 576                           NA_avg_temp   1se   coef   0.25    5
## 577           NA_fq_Maximum_temperature..31   1se   coef   0.25   17
## 578           NA_fq_Minimum_temperature...15   1se   coef   0.25   61
## 579         NA_fq_Precipitation_amount..0.1   1se   coef   0.25    4
## 580          NA_fq_Precipitation_amount..40   1se   coef   0.25   61
## 581                   NA_fq_Snow_depth..1   1se   coef   0.25    8
```

```
## 582                NA_fq_Snow_depth..4  1se   coef  0.25    3
## 583                     NA_length_days  1se   coef  0.25   61
## 584        NA_sk_Maximum_temperature..31  1se   coef  0.25   16
## 585        NA_sk_Minimum_temperature...15  1se   coef  0.25   61
## 586      NA_sk_Precipitation_amount..0.1  1se   coef  0.25   61
## 587       NA_sk_Precipitation_amount..40  1se   coef  0.25   61
## 588                   NA_sk_Snow_depth..1  1se   coef  0.25   61
## 589                   NA_sk_Snow_depth..4  1se   coef  0.25   61
## 590                        NA_total_prec  1se   coef  0.25   10
## 591                    vegetative_avg_temp  1se   coef  0.25   61
## 592  vegetative_fq_Maximum_temperature..31  1se   coef  0.25   61
## 593 vegetative_fq_Precipitation_amount..0.1  1se   coef  0.25   61
## 594 vegetative_fq_Precipitation_amount..40  1se   coef  0.25   61
## 595            vegetative_fq_Snow_depth..1  1se   coef  0.25   61
## 596            vegetative_fq_Snow_depth..4  1se   coef  0.25   61
## 597                 vegetative_length_days  1se   coef  0.25   61
## 598            vegetative_since_nyear_days  1se   coef  0.25    2
## 599  vegetative_sk_Maximum_temperature..31  1se   coef  0.25   61
## 600 vegetative_sk_Precipitation_amount..0.1  1se   coef  0.25   61
## 601 vegetative_sk_Precipitation_amount..40  1se   coef  0.25   61
## 602            vegetative_sk_Snow_depth..1  1se   coef  0.25   61
## 603            vegetative_sk_Snow_depth..4  1se   coef  0.25   61
## 604                  vegetative_total_prec  1se   coef  0.25   61
## 605                        critical_events  1se   coef  0.25   61
## 606                                filling  1se   coef  0.25   61
## 607                             generative  1se   coef  0.25   61
## 608                                    NA.  1se   coef  0.25   61
## 609                             vegetative  1se   coef  0.25   61
## 610                                   area  1se   coef  0.25    1
## 611                        filling_avg_temp  1se     s1  0.25   61
## 612        filling_fq_Maximum_temperature..31  1se     s1  0.25   20
## 613      filling_fq_Precipitation_amount..0.1  1se     s1  0.25   61
## 614       filling_fq_Precipitation_amount..40  1se     s1  0.25   61
## 615               filling_fq_Snow_depth..1  1se     s1  0.25   61
## 616                    filling_length_days  1se     s1  0.25   61
## 617               filling_since_nyear_days  1se     s1  0.25   61
## 618                filling_since_seed_days  1se     s1  0.25    6
## 619        filling_sk_Maximum_temperature..31  1se     s1  0.25   12
## 620      filling_sk_Precipitation_amount..0.1  1se     s1  0.25   61
## 621       filling_sk_Precipitation_amount..40  1se     s1  0.25   61
## 622               filling_sk_Snow_depth..1  1se     s1  0.25   61
## 623                      filling_total_prec  1se     s1  0.25    8
## 624                     generative_avg_temp  1se     s1  0.25    7
## 625  generative_fq_Maximum_temperature..31  1se     s1  0.25   61
## 626 generative_fq_Precipitation_amount..0.1  1se     s1  0.25   61
## 627 generative_fq_Precipitation_amount..40  1se     s1  0.25   17
## 628            generative_fq_Snow_depth..1  1se     s1  0.25   10
## 629                 generative_length_days  1se     s1  0.25   13
## 630            generative_since_nyear_days  1se     s1  0.25   61
## 631            generative_since_seed_days  1se     s1  0.25   61
## 632  generative_sk_Maximum_temperature..31  1se     s1  0.25   61
## 633 generative_sk_Precipitation_amount..0.1  1se     s1  0.25   61
## 634 generative_sk_Precipitation_amount..40  1se     s1  0.25   16
## 635            generative_sk_Snow_depth..1  1se     s1  0.25   14
```

```
## 636                    generative_total_prec  1se  s1  0.25  15
## 637                              NA_avg_temp  1se  s1  0.25   4
## 638          NA_fq_Maximum_temperature..31  1se  s1  0.25  19
## 639          NA_fq_Minimum_temperature...15  1se  s1  0.25  61
## 640         NA_fq_Precipitation_amount..0.1  1se  s1  0.25   2
## 641          NA_fq_Precipitation_amount..40  1se  s1  0.25  61
## 642                     NA_fq_Snow_depth..1  1se  s1  0.25   9
## 643                     NA_fq_Snow_depth..4  1se  s1  0.25   5
## 644                          NA_length_days  1se  s1  0.25  61
## 645          NA_sk_Maximum_temperature..31  1se  s1  0.25  18
## 646          NA_sk_Minimum_temperature...15  1se  s1  0.25  61
## 647         NA_sk_Precipitation_amount..0.1  1se  s1  0.25  61
## 648          NA_sk_Precipitation_amount..40  1se  s1  0.25  61
## 649                     NA_sk_Snow_depth..1  1se  s1  0.25  61
## 650                     NA_sk_Snow_depth..4  1se  s1  0.25  61
## 651                            NA_total_prec  1se  s1  0.25  11
## 652                       vegetative_avg_temp  1se  s1  0.25  61
## 653  vegetative_fq_Maximum_temperature..31  1se  s1  0.25  61
## 654  vegetative_fq_Precipitation_amount..0.1  1se  s1  0.25  61
## 655  vegetative_fq_Precipitation_amount..40  1se  s1  0.25  61
## 656            vegetative_fq_Snow_depth..1  1se  s1  0.25  61
## 657            vegetative_fq_Snow_depth..4  1se  s1  0.25  61
## 658                  vegetative_length_days  1se  s1  0.25  61
## 659              vegetative_since_nyear_days  1se  s1  0.25   3
## 660  vegetative_sk_Maximum_temperature..31  1se  s1  0.25  61
## 661  vegetative_sk_Precipitation_amount..0.1  1se  s1  0.25  61
## 662  vegetative_sk_Precipitation_amount..40  1se  s1  0.25  61
## 663            vegetative_sk_Snow_depth..1  1se  s1  0.25  61
## 664            vegetative_sk_Snow_depth..4  1se  s1  0.25  61
## 665                   vegetative_total_prec  1se  s1  0.25  61
## 666                          critical_events  1se  s1  0.25  61
## 667                                  filling  1se  s1  0.25  61
## 668                               generative  1se  s1  0.25  61
## 669                                      NA.  1se  s1  0.25  61
## 670                               vegetative  1se  s1  0.25  61
## 671                                     area  1se  s1  0.25   1
## 672                        filling_avg_temp  1se  st  0.25  61
## 673          filling_fq_Maximum_temperature..31  1se  st  0.25  19
## 674         filling_fq_Precipitation_amount..0.1  1se  st  0.25  61
## 675          filling_fq_Precipitation_amount..40  1se  st  0.25  61
## 676             filling_fq_Snow_depth..1  1se  st  0.25  61
## 677                    filling_length_days  1se  st  0.25  61
## 678                filling_since_nyear_days  1se  st  0.25  61
## 679                 filling_since_seed_days  1se  st  0.25   6
## 680          filling_sk_Maximum_temperature..31  1se  st  0.25  11
## 681         filling_sk_Precipitation_amount..0.1  1se  st  0.25  61
## 682          filling_sk_Precipitation_amount..40  1se  st  0.25  61
## 683             filling_sk_Snow_depth..1  1se  st  0.25  61
## 684                      filling_total_prec  1se  st  0.25   9
## 685                      generative_avg_temp  1se  st  0.25   7
## 686  generative_fq_Maximum_temperature..31  1se  st  0.25  61
## 687  generative_fq_Precipitation_amount..0.1  1se  st  0.25  61
## 688  generative_fq_Precipitation_amount..40  1se  st  0.25  16
## 689            generative_fq_Snow_depth..1  1se  st  0.25  10
```

```
## 690                 generative_length_days  1se    st   0.25   15
## 691             generative_since_nyear_days  1se    st   0.25   61
## 692              generative_since_seed_days  1se    st   0.25   61
## 693  generative_sk_Maximum_temperature..31  1se    st   0.25   61
## 694  generative_sk_Precipitation_amount..0.1  1se    st   0.25   61
## 695   generative_sk_Precipitation_amount..40  1se    st   0.25   20
## 696            generative_sk_Snow_depth..1  1se    st   0.25   14
## 697                   generative_total_prec  1se    st   0.25   12
## 698                             NA_avg_temp  1se    st   0.25    5
## 699          NA_fq_Maximum_temperature..31  1se    st   0.25   18
## 700          NA_fq_Minimum_temperature...15  1se    st   0.25   61
## 701         NA_fq_Precipitation_amount..0.1  1se    st   0.25    2
## 702          NA_fq_Precipitation_amount..40  1se    st   0.25   61
## 703                  NA_fq_Snow_depth..1  1se    st   0.25    8
## 704                  NA_fq_Snow_depth..4  1se    st   0.25    4
## 705                           NA_length_days  1se    st   0.25   61
## 706          NA_sk_Maximum_temperature..31  1se    st   0.25   17
## 707          NA_sk_Minimum_temperature...15  1se    st   0.25   61
## 708         NA_sk_Precipitation_amount..0.1  1se    st   0.25   61
## 709          NA_sk_Precipitation_amount..40  1se    st   0.25   61
## 710                  NA_sk_Snow_depth..1  1se    st   0.25   61
## 711                  NA_sk_Snow_depth..4  1se    st   0.25   61
## 712                            NA_total_prec  1se    st   0.25   13
## 713                       vegetative_avg_temp  1se    st   0.25   61
## 714  vegetative_fq_Maximum_temperature..31  1se    st   0.25   61
## 715  vegetative_fq_Precipitation_amount..0.1  1se    st   0.25   61
## 716   vegetative_fq_Precipitation_amount..40  1se    st   0.25   61
## 717            vegetative_fq_Snow_depth..1  1se    st   0.25   61
## 718            vegetative_fq_Snow_depth..4  1se    st   0.25   61
## 719                   vegetative_length_days  1se    st   0.25   61
## 720             vegetative_since_nyear_days  1se    st   0.25    3
## 721  vegetative_sk_Maximum_temperature..31  1se    st   0.25   61
## 722  vegetative_sk_Precipitation_amount..0.1  1se    st   0.25   61
## 723   vegetative_sk_Precipitation_amount..40  1se    st   0.25   61
## 724            vegetative_sk_Snow_depth..1  1se    st   0.25   61
## 725            vegetative_sk_Snow_depth..4  1se    st   0.25   61
## 726                   vegetative_total_prec  1se    st   0.25   61
## 727                          critical_events  1se    st   0.25   61
## 728                                  filling  1se    st   0.25   61
## 729                               generative  1se    st   0.25   61
## 730                                      NA.  1se    st   0.25   61
## 731                               vegetative  1se    st   0.25   61
## 732                                     area  1se    st   0.25    1
## 733                        filling_avg_temp  min   coef  0.50    2
## 734      filling_fq_Maximum_temperature..31  min   coef  0.50   61
## 735     filling_fq_Precipitation_amount..0.1  min   coef  0.50   61
## 736      filling_fq_Precipitation_amount..40  min   coef  0.50   21
## 737                filling_fq_Snow_depth..1  min   coef  0.50    7
## 738                      filling_length_days  min   coef  0.50   14
## 739                filling_since_nyear_days  min   coef  0.50   61
## 740                 filling_since_seed_days  min   coef  0.50   61
## 741      filling_sk_Maximum_temperature..31  min   coef  0.50   29
## 742     filling_sk_Precipitation_amount..0.1  min   coef  0.50   61
## 743      filling_sk_Precipitation_amount..40  min   coef  0.50   61
```

```
## 744                  filling_sk_Snow_depth..1   min   coef   0.50   27
## 745                       filling_total_prec   min   coef   0.50   12
## 746                       generative_avg_temp   min   coef   0.50    3
## 747   generative_fq_Maximum_temperature..31   min   coef   0.50   24
## 748   generative_fq_Precipitation_amount..0.1   min   coef   0.50   39
## 749    generative_fq_Precipitation_amount..40   min   coef   0.50   20
## 750                 generative_fq_Snow_depth..1   min   coef   0.50   28
## 751                   generative_length_days   min   coef   0.50   37
## 752                generative_since_nyear_days   min   coef   0.50   61
## 753                 generative_since_seed_days   min   coef   0.50   61
## 754   generative_sk_Maximum_temperature..31   min   coef   0.50   25
## 755   generative_sk_Precipitation_amount..0.1   min   coef   0.50   31
## 756    generative_sk_Precipitation_amount..40   min   coef   0.50   32
## 757                 generative_sk_Snow_depth..1   min   coef   0.50   38
## 758                   generative_total_prec   min   coef   0.50   16
## 759                             NA_avg_temp   min   coef   0.50    4
## 760       NA_fq_Maximum_temperature..31   min   coef   0.50   23
## 761       NA_fq_Minimum_temperature...15   min   coef   0.50   61
## 762       NA_fq_Precipitation_amount..0.1   min   coef   0.50   10
## 763        NA_fq_Precipitation_amount..40   min   coef   0.50   41
## 764                 NA_fq_Snow_depth..1   min   coef   0.50    5
## 765                 NA_fq_Snow_depth..4   min   coef   0.50   18
## 766                          NA_length_days   min   coef   0.50   61
## 767       NA_sk_Maximum_temperature..31   min   coef   0.50   19
## 768       NA_sk_Minimum_temperature...15   min   coef   0.50   61
## 769       NA_sk_Precipitation_amount..0.1   min   coef   0.50   22
## 770        NA_sk_Precipitation_amount..40   min   coef   0.50   36
## 771                 NA_sk_Snow_depth..1   min   coef   0.50   11
## 772                 NA_sk_Snow_depth..4   min   coef   0.50   26
## 773                           NA_total_prec   min   coef   0.50    9
## 774                       vegetative_avg_temp   min   coef   0.50   61
## 775   vegetative_fq_Maximum_temperature..31   min   coef   0.50   34
## 776   vegetative_fq_Precipitation_amount..0.1   min   coef   0.50   13
## 777    vegetative_fq_Precipitation_amount..40   min   coef   0.50   33
## 778                 vegetative_fq_Snow_depth..1   min   coef   0.50   61
## 779                 vegetative_fq_Snow_depth..4   min   coef   0.50   61
## 780                   vegetative_length_days   min   coef   0.50   61
## 781                vegetative_since_nyear_days   min   coef   0.50    6
## 782   vegetative_sk_Maximum_temperature..31   min   coef   0.50   35
## 783   vegetative_sk_Precipitation_amount..0.1   min   coef   0.50   15
## 784    vegetative_sk_Precipitation_amount..40   min   coef   0.50   40
## 785                 vegetative_sk_Snow_depth..1   min   coef   0.50   61
## 786                 vegetative_sk_Snow_depth..4   min   coef   0.50   61
## 787                   vegetative_total_prec   min   coef   0.50   17
## 788                         critical_events   min   coef   0.50   61
## 789                                 filling   min   coef   0.50   30
## 790                              generative   min   coef   0.50   61
## 791                                    NA.   min   coef   0.50    8
## 792                              vegetative   min   coef   0.50   61
## 793                                    area   min   coef   0.50    1
## 794                       filling_avg_temp   min     s1   0.50    2
## 795       filling_fq_Maximum_temperature..31   min     s1   0.50   61
## 796       filling_fq_Precipitation_amount..0.1   min     s1   0.50   61
## 797        filling_fq_Precipitation_amount..40   min     s1   0.50   20
```

15

```
## 798              filling_fq_Snow_depth..1   min   s1   0.50    7
## 799                  filling_length_days   min   s1   0.50   10
## 800             filling_since_nyear_days   min   s1   0.50   61
## 801              filling_since_seed_days   min   s1   0.50   61
## 802   filling_sk_Maximum_temperature..31   min   s1   0.50   22
## 803   filling_sk_Precipitation_amount..0.1  min   s1   0.50   61
## 804    filling_sk_Precipitation_amount..40  min   s1   0.50   61
## 805              filling_sk_Snow_depth..1   min   s1   0.50   24
## 806                    filling_total_prec   min   s1   0.50   16
## 807                     generative_avg_temp  min   s1   0.50    5
## 808  generative_fq_Maximum_temperature..31  min   s1   0.50   23
## 809  generative_fq_Precipitation_amount..0.1 min  s1   0.50   38
## 810   generative_fq_Precipitation_amount..40 min  s1   0.50   34
## 811            generative_fq_Snow_depth..1  min   s1   0.50   26
## 812               generative_length_days   min   s1   0.50   35
## 813          generative_since_nyear_days   min   s1   0.50   61
## 814          generative_since_seed_days    min   s1   0.50   61
## 815  generative_sk_Maximum_temperature..31  min   s1   0.50   25
## 816  generative_sk_Precipitation_amount..0.1 min  s1   0.50   29
## 817   generative_sk_Precipitation_amount..40 min  s1   0.50   27
## 818            generative_sk_Snow_depth..1  min   s1   0.50   37
## 819                 generative_total_prec   min   s1   0.50   19
## 820                           NA_avg_temp   min   s1   0.50    4
## 821          NA_fq_Maximum_temperature..31  min   s1   0.50   32
## 822          NA_fq_Minimum_temperature...15  min  s1   0.50   61
## 823          NA_fq_Precipitation_amount..0.1 min  s1   0.50    3
## 824           NA_fq_Precipitation_amount..40 min  s1   0.50   41
## 825                   NA_fq_Snow_depth..1   min   s1   0.50   17
## 826                   NA_fq_Snow_depth..4   min   s1   0.50   11
## 827                         NA_length_days   min   s1   0.50   61
## 828          NA_sk_Maximum_temperature..31  min   s1   0.50   21
## 829          NA_sk_Minimum_temperature...15  min  s1   0.50   61
## 830          NA_sk_Precipitation_amount..0.1 min  s1   0.50   15
## 831           NA_sk_Precipitation_amount..40 min  s1   0.50   33
## 832                   NA_sk_Snow_depth..1   min   s1   0.50    9
## 833                   NA_sk_Snow_depth..4   min   s1   0.50   28
## 834                         NA_total_prec   min   s1   0.50   12
## 835                     vegetative_avg_temp  min  s1   0.50   61
## 836  vegetative_fq_Maximum_temperature..31  min  s1   0.50   31
## 837  vegetative_fq_Precipitation_amount..0.1 min s1   0.50   14
## 838   vegetative_fq_Precipitation_amount..40 min s1   0.50   30
## 839            vegetative_fq_Snow_depth..1  min   s1   0.50   61
## 840            vegetative_fq_Snow_depth..4  min   s1   0.50   61
## 841               vegetative_length_days   min   s1   0.50   61
## 842          vegetative_since_nyear_days    min   s1   0.50    8
## 843  vegetative_sk_Maximum_temperature..31  min  s1   0.50   39
## 844  vegetative_sk_Precipitation_amount..0.1 min s1   0.50   13
## 845   vegetative_sk_Precipitation_amount..40 min s1   0.50   40
## 846            vegetative_sk_Snow_depth..1  min   s1   0.50   61
## 847            vegetative_sk_Snow_depth..4  min   s1   0.50   61
## 848                 vegetative_total_prec   min   s1   0.50   18
## 849                        critical_events   min   s1   0.50   61
## 850                               filling   min   s1   0.50   36
## 851                            generative   min   s1   0.50   61
```

```
## 852                                   NA.   min   s1   0.50    6
## 853                            vegetative   min   s1   0.50   61
## 854                                  area   min   s1   0.50    1
## 855                       filling_avg_temp   min   st   0.50    2
## 856     filling_fq_Maximum_temperature..31   min   st   0.50   61
## 857    filling_fq_Precipitation_amount..0.1   min   st   0.50   61
## 858     filling_fq_Precipitation_amount..40   min   st   0.50   19
## 859              filling_fq_Snow_depth..1   min   st   0.50    6
## 860                    filling_length_days   min   st   0.50   12
## 861              filling_since_nyear_days   min   st   0.50   61
## 862               filling_since_seed_days   min   st   0.50   61
## 863     filling_sk_Maximum_temperature..31   min   st   0.50   23
## 864    filling_sk_Precipitation_amount..0.1   min   st   0.50   61
## 865     filling_sk_Precipitation_amount..40   min   st   0.50   61
## 866              filling_sk_Snow_depth..1   min   st   0.50   24
## 867                     filling_total_prec   min   st   0.50   15
## 868                    generative_avg_temp   min   st   0.50    5
## 869  generative_fq_Maximum_temperature..31   min   st   0.50   22
## 870 generative_fq_Precipitation_amount..0.1   min   st   0.50   39
## 871  generative_fq_Precipitation_amount..40   min   st   0.50   32
## 872           generative_fq_Snow_depth..1   min   st   0.50   26
## 873                 generative_length_days   min   st   0.50   35
## 874           generative_since_nyear_days   min   st   0.50   61
## 875            generative_since_seed_days   min   st   0.50   61
## 876  generative_sk_Maximum_temperature..31   min   st   0.50   25
## 877 generative_sk_Precipitation_amount..0.1   min   st   0.50   29
## 878  generative_sk_Precipitation_amount..40   min   st   0.50   30
## 879           generative_sk_Snow_depth..1   min   st   0.50   36
## 880                  generative_total_prec   min   st   0.50   20
## 881                            NA_avg_temp   min   st   0.50    4
## 882          NA_fq_Maximum_temperature..31   min   st   0.50   31
## 883          NA_fq_Minimum_temperature...15   min   st   0.50   61
## 884         NA_fq_Precipitation_amount..0.1   min   st   0.50    3
## 885          NA_fq_Precipitation_amount..40   min   st   0.50   41
## 886                    NA_fq_Snow_depth..1   min   st   0.50   18
## 887                    NA_fq_Snow_depth..4   min   st   0.50   11
## 888                          NA_length_days   min   st   0.50   61
## 889          NA_sk_Maximum_temperature..31   min   st   0.50   21
## 890          NA_sk_Minimum_temperature...15   min   st   0.50   61
## 891         NA_sk_Precipitation_amount..0.1   min   st   0.50   16
## 892          NA_sk_Precipitation_amount..40   min   st   0.50   38
## 893                    NA_sk_Snow_depth..1   min   st   0.50    9
## 894                    NA_sk_Snow_depth..4   min   st   0.50   27
## 895                          NA_total_prec   min   st   0.50   10
## 896                    vegetative_avg_temp   min   st   0.50   61
## 897  vegetative_fq_Maximum_temperature..31   min   st   0.50   33
## 898 vegetative_fq_Precipitation_amount..0.1   min   st   0.50   14
## 899  vegetative_fq_Precipitation_amount..40   min   st   0.50   34
## 900           vegetative_fq_Snow_depth..1   min   st   0.50   61
## 901           vegetative_fq_Snow_depth..4   min   st   0.50   61
## 902                 vegetative_length_days   min   st   0.50   61
## 903           vegetative_since_nyear_days   min   st   0.50    8
## 904  vegetative_sk_Maximum_temperature..31   min   st   0.50   37
## 905 vegetative_sk_Precipitation_amount..0.1   min   st   0.50   13
```

```
## 906   vegetative_sk_Precipitation_amount..40      min   st   0.50   40
## 907              vegetative_sk_Snow_depth..1      min   st   0.50   61
## 908              vegetative_sk_Snow_depth..4      min   st   0.50   61
## 909                    vegetative_total_prec      min   st   0.50   17
## 910                          critical_events      min   st   0.50   61
## 911                                  filling      min   st   0.50   28
## 912                               generative      min   st   0.50   61
## 913                                      NA.      min   st   0.50    7
## 914                               vegetative      min   st   0.50   61
## 915                                     area      min   st   0.50    1
## 916                          filling_avg_temp      1se  coef  0.50   61
## 917    filling_fq_Maximum_temperature..31       1se  coef  0.50   61
## 918    filling_fq_Precipitation_amount..0.1     1se  coef  0.50   61
## 919    filling_fq_Precipitation_amount..40      1se  coef  0.50   61
## 920             filling_fq_Snow_depth..1        1se  coef  0.50   61
## 921                       filling_length_days    1se  coef  0.50   61
## 922                  filling_since_nyear_days    1se  coef  0.50   61
## 923                   filling_since_seed_days    1se  coef  0.50    7
## 924    filling_sk_Maximum_temperature..31       1se  coef  0.50   19
## 925    filling_sk_Precipitation_amount..0.1     1se  coef  0.50   61
## 926    filling_sk_Precipitation_amount..40      1se  coef  0.50   61
## 927             filling_sk_Snow_depth..1        1se  coef  0.50   61
## 928                        filling_total_prec    1se  coef  0.50   10
## 929                       generative_avg_temp    1se  coef  0.50    6
## 930  generative_fq_Maximum_temperature..31      1se  coef  0.50   61
## 931  generative_fq_Precipitation_amount..0.1    1se  coef  0.50   61
## 932  generative_fq_Precipitation_amount..40     1se  coef  0.50   18
## 933           generative_fq_Snow_depth..1       1se  coef  0.50   13
## 934                    generative_length_days   1se  coef  0.50   11
## 935               generative_since_nyear_days   1se  coef  0.50   61
## 936               generative_since_seed_days   1se  coef  0.50   61
## 937  generative_sk_Maximum_temperature..31      1se  coef  0.50   61
## 938  generative_sk_Precipitation_amount..0.1    1se  coef  0.50   61
## 939  generative_sk_Precipitation_amount..40     1se  coef  0.50   17
## 940           generative_sk_Snow_depth..1       1se  coef  0.50   14
## 941                     generative_total_prec   1se  coef  0.50    8
## 942                               NA_avg_temp   1se  coef  0.50    3
## 943          NA_fq_Maximum_temperature..31      1se  coef  0.50   16
## 944          NA_fq_Minimum_temperature...15     1se  coef  0.50   61
## 945          NA_fq_Precipitation_amount..0.1    1se  coef  0.50    5
## 946          NA_fq_Precipitation_amount..40     1se  coef  0.50   61
## 947                   NA_fq_Snow_depth..1       1se  coef  0.50    9
## 948                   NA_fq_Snow_depth..4       1se  coef  0.50    4
## 949                             NA_length_days  1se  coef  0.50   61
## 950          NA_sk_Maximum_temperature..31      1se  coef  0.50   15
## 951          NA_sk_Minimum_temperature...15     1se  coef  0.50   61
## 952          NA_sk_Precipitation_amount..0.1    1se  coef  0.50   61
## 953          NA_sk_Precipitation_amount..40     1se  coef  0.50   61
## 954                   NA_sk_Snow_depth..1       1se  coef  0.50   61
## 955                   NA_sk_Snow_depth..4       1se  coef  0.50   61
## 956                              NA_total_prec  1se  coef  0.50   12
## 957                      vegetative_avg_temp    1se  coef  0.50   61
## 958  vegetative_fq_Maximum_temperature..31      1se  coef  0.50   61
## 959  vegetative_fq_Precipitation_amount..0.1    1se  coef  0.50   61
```

```
## 960        vegetative_fq_Precipitation_amount..40      1se    coef  0.50    61
## 961               vegetative_fq_Snow_depth..1          1se    coef  0.50    61
## 962               vegetative_fq_Snow_depth..4          1se    coef  0.50    61
## 963                  vegetative_length_days            1se    coef  0.50    61
## 964              vegetative_since_nyear_days           1se    coef  0.50     2
## 965    vegetative_sk_Maximum_temperature..31           1se    coef  0.50    61
## 966    vegetative_sk_Precipitation_amount..0.1         1se    coef  0.50    61
## 967    vegetative_sk_Precipitation_amount..40          1se    coef  0.50    61
## 968               vegetative_sk_Snow_depth..1          1se    coef  0.50    61
## 969               vegetative_sk_Snow_depth..4          1se    coef  0.50    61
## 970                   vegetative_total_prec            1se    coef  0.50    61
## 971                        critical_events             1se    coef  0.50    61
## 972                             filling                1se    coef  0.50    61
## 973                           generative               1se    coef  0.50    61
## 974                               NA.                  1se    coef  0.50    61
## 975                           vegetative               1se    coef  0.50    61
## 976                              area                  1se    coef  0.50     1
## 977                        filling_avg_temp            1se      s1  0.50    61
## 978      filling_fq_Maximum_temperature..31           1se      s1  0.50    61
## 979      filling_fq_Precipitation_amount..0.1         1se      s1  0.50    61
## 980      filling_fq_Precipitation_amount..40          1se      s1  0.50    61
## 981               filling_fq_Snow_depth..1            1se      s1  0.50    61
## 982                   filling_length_days             1se      s1  0.50    61
## 983                filling_since_nyear_days           1se      s1  0.50    61
## 984                filling_since_seed_days            1se      s1  0.50     9
## 985      filling_sk_Maximum_temperature..31           1se      s1  0.50    61
## 986      filling_sk_Precipitation_amount..0.1         1se      s1  0.50    61
## 987      filling_sk_Precipitation_amount..40          1se      s1  0.50    61
## 988               filling_sk_Snow_depth..1            1se      s1  0.50    61
## 989                    filling_total_prec             1se      s1  0.50    11
## 990                      generative_avg_temp           1se      s1  0.50     6
## 991    generative_fq_Maximum_temperature..31          1se      s1  0.50    61
## 992    generative_fq_Precipitation_amount..0.1        1se      s1  0.50    61
## 993    generative_fq_Precipitation_amount..40         1se      s1  0.50    61
## 994             generative_fq_Snow_depth..1           1se      s1  0.50     7
## 995                  generative_length_days           1se      s1  0.50    10
## 996               generative_since_nyear_days         1se      s1  0.50    61
## 997               generative_since_seed_days          1se      s1  0.50    61
## 998    generative_sk_Maximum_temperature..31          1se      s1  0.50    61
## 999    generative_sk_Precipitation_amount..0.1        1se      s1  0.50    61
## 1000   generative_sk_Precipitation_amount..40         1se      s1  0.50    61
## 1001            generative_sk_Snow_depth..1           1se      s1  0.50    13
## 1002                 generative_total_prec            1se      s1  0.50     8
## 1003                        NA_avg_temp               1se      s1  0.50     4
## 1004        NA_fq_Maximum_temperature..31             1se      s1  0.50    61
## 1005        NA_fq_Minimum_temperature...15            1se      s1  0.50    61
## 1006        NA_fq_Precipitation_amount..0.1           1se      s1  0.50     2
## 1007        NA_fq_Precipitation_amount..40            1se      s1  0.50    61
## 1008                 NA_fq_Snow_depth..1              1se      s1  0.50    12
## 1009                 NA_fq_Snow_depth..4              1se      s1  0.50     5
## 1010                   NA_length_days                 1se      s1  0.50    61
## 1011        NA_sk_Maximum_temperature..31             1se      s1  0.50    61
## 1012        NA_sk_Minimum_temperature...15            1se      s1  0.50    61
## 1013        NA_sk_Precipitation_amount..0.1           1se      s1  0.50    61
```

```
## 1014           NA_sk_Precipitation_amount..40    1se    s1   0.50   61
## 1015                    NA_sk_Snow_depth..1       1se    s1   0.50   61
## 1016                    NA_sk_Snow_depth..4       1se    s1   0.50   61
## 1017                          NA_total_prec       1se    s1   0.50   61
## 1018                       vegetative_avg_temp    1se    s1   0.50   61
## 1019 vegetative_fq_Maximum_temperature..31        1se    s1   0.50   61
## 1020 vegetative_fq_Precipitation_amount..0.1      1se    s1   0.50   61
## 1021 vegetative_fq_Precipitation_amount..40       1se    s1   0.50   61
## 1022          vegetative_fq_Snow_depth..1         1se    s1   0.50   61
## 1023          vegetative_fq_Snow_depth..4         1se    s1   0.50   61
## 1024              vegetative_length_days          1se    s1   0.50   61
## 1025          vegetative_since_nyear_days         1se    s1   0.50    3
## 1026 vegetative_sk_Maximum_temperature..31        1se    s1   0.50   61
## 1027 vegetative_sk_Precipitation_amount..0.1      1se    s1   0.50   61
## 1028 vegetative_sk_Precipitation_amount..40       1se    s1   0.50   61
## 1029          vegetative_sk_Snow_depth..1         1se    s1   0.50   61
## 1030          vegetative_sk_Snow_depth..4         1se    s1   0.50   61
## 1031              vegetative_total_prec           1se    s1   0.50   61
## 1032                    critical_events           1se    s1   0.50   61
## 1033                            filling           1se    s1   0.50   61
## 1034                         generative           1se    s1   0.50   61
## 1035                                NA.           1se    s1   0.50   61
## 1036                         vegetative           1se    s1   0.50   61
## 1037                               area           1se    s1   0.50    1
## 1038                    filling_avg_temp          1se    st   0.50   61
## 1039   filling_fq_Maximum_temperature..31         1se    st   0.50   61
## 1040   filling_fq_Precipitation_amount..0.1       1se    st   0.50   61
## 1041   filling_fq_Precipitation_amount..40        1se    st   0.50   61
## 1042           filling_fq_Snow_depth..1           1se    st   0.50   61
## 1043              filling_length_days             1se    st   0.50   61
## 1044            filling_since_nyear_days          1se    st   0.50   61
## 1045            filling_since_seed_days           1se    st   0.50   11
## 1046   filling_sk_Maximum_temperature..31         1se    st   0.50   61
## 1047   filling_sk_Precipitation_amount..0.1       1se    st   0.50   61
## 1048   filling_sk_Precipitation_amount..40        1se    st   0.50   61
## 1049           filling_sk_Snow_depth..1           1se    st   0.50   61
## 1050              filling_total_prec              1se    st   0.50   10
## 1051            generative_avg_temp               1se    st   0.50    6
## 1052 generative_fq_Maximum_temperature..31        1se    st   0.50   61
## 1053 generative_fq_Precipitation_amount..0.1      1se    st   0.50   61
## 1054 generative_fq_Precipitation_amount..40       1se    st   0.50   61
## 1055          generative_fq_Snow_depth..1         1se    st   0.50    7
## 1056              generative_length_days          1se    st   0.50   12
## 1057          generative_since_nyear_days         1se    st   0.50   61
## 1058          generative_since_seed_days          1se    st   0.50   61
## 1059 generative_sk_Maximum_temperature..31        1se    st   0.50   61
## 1060 generative_sk_Precipitation_amount..0.1      1se    st   0.50   61
## 1061 generative_sk_Precipitation_amount..40       1se    st   0.50   61
## 1062          generative_sk_Snow_depth..1         1se    st   0.50   13
## 1063              generative_total_prec           1se    st   0.50    9
## 1064                         NA_avg_temp          1se    st   0.50    4
## 1065       NA_fq_Maximum_temperature..31          1se    st   0.50   61
## 1066       NA_fq_Minimum_temperature...15         1se    st   0.50   61
## 1067        NA_fq_Precipitation_amount..0.1       1se    st   0.50    2
```

```
## 1068        NA_fq_Precipitation_amount..40   1se   st   0.50   61
## 1069                  NA_fq_Snow_depth..1   1se   st   0.50    8
## 1070                  NA_fq_Snow_depth..4   1se   st   0.50    5
## 1071                      NA_length_days   1se   st   0.50   61
## 1072     NA_sk_Maximum_temperature..31   1se   st   0.50   61
## 1073     NA_sk_Minimum_temperature...15   1se   st   0.50   61
## 1074      NA_sk_Precipitation_amount..0.1   1se   st   0.50   61
## 1075       NA_sk_Precipitation_amount..40   1se   st   0.50   61
## 1076                  NA_sk_Snow_depth..1   1se   st   0.50   61
## 1077                  NA_sk_Snow_depth..4   1se   st   0.50   61
## 1078                       NA_total_prec   1se   st   0.50   61
## 1079                  vegetative_avg_temp   1se   st   0.50   61
## 1080  vegetative_fq_Maximum_temperature..31   1se   st   0.50   61
## 1081  vegetative_fq_Precipitation_amount..0.1   1se   st   0.50   61
## 1082  vegetative_fq_Precipitation_amount..40   1se   st   0.50   61
## 1083          vegetative_fq_Snow_depth..1   1se   st   0.50   61
## 1084          vegetative_fq_Snow_depth..4   1se   st   0.50   61
## 1085              vegetative_length_days   1se   st   0.50   61
## 1086          vegetative_since_nyear_days   1se   st   0.50    3
## 1087  vegetative_sk_Maximum_temperature..31   1se   st   0.50   61
## 1088  vegetative_sk_Precipitation_amount..0.1   1se   st   0.50   61
## 1089  vegetative_sk_Precipitation_amount..40   1se   st   0.50   61
## 1090          vegetative_sk_Snow_depth..1   1se   st   0.50   61
## 1091          vegetative_sk_Snow_depth..4   1se   st   0.50   61
## 1092              vegetative_total_prec   1se   st   0.50   61
## 1093                    critical_events   1se   st   0.50   61
## 1094                            filling   1se   st   0.50   61
## 1095                         generative   1se   st   0.50   61
## 1096                                NA.   1se   st   0.50   61
## 1097                         vegetative   1se   st   0.50   61
## 1098                               area   1se   st   0.50    1
## 1099                  filling_avg_temp   min  coef   0.75   61
## 1100    filling_fq_Maximum_temperature..31   min  coef   0.75   61
## 1101    filling_fq_Precipitation_amount..0.1   min  coef   0.75   61
## 1102    filling_fq_Precipitation_amount..40   min  coef   0.75   18
## 1103          filling_fq_Snow_depth..1   min  coef   0.75   61
## 1104              filling_length_days   min  coef   0.75   61
## 1105          filling_since_nyear_days   min  coef   0.75   61
## 1106          filling_since_seed_days   min  coef   0.75    7
## 1107    filling_sk_Maximum_temperature..31   min  coef   0.75   13
## 1108    filling_sk_Precipitation_amount..0.1   min  coef   0.75   61
## 1109    filling_sk_Precipitation_amount..40   min  coef   0.75   61
## 1110          filling_sk_Snow_depth..1   min  coef   0.75   61
## 1111              filling_total_prec   min  coef   0.75    9
## 1112              generative_avg_temp   min  coef   0.75    2
## 1113  generative_fq_Maximum_temperature..31   min  coef   0.75   61
## 1114 generative_fq_Precipitation_amount..0.1   min  coef   0.75   61
## 1115  generative_fq_Precipitation_amount..40   min  coef   0.75   15
## 1116          generative_fq_Snow_depth..1   min  coef   0.75   61
## 1117              generative_length_days   min  coef   0.75   61
## 1118          generative_since_nyear_days   min  coef   0.75   61
## 1119          generative_since_seed_days   min  coef   0.75   61
## 1120  generative_sk_Maximum_temperature..31   min  coef   0.75   61
## 1121 generative_sk_Precipitation_amount..0.1   min  coef   0.75   61
```

```
## 1122  generative_sk_Precipitation_amount..40    min   coef  0.75   17
## 1123             generative_sk_Snow_depth..1      min   coef  0.75   61
## 1124               generative_total_prec          min   coef  0.75   10
## 1125                       NA_avg_temp             min   coef  0.75    3
## 1126       NA_fq_Maximum_temperature..31          min   coef  0.75   14
## 1127       NA_fq_Minimum_temperature...15         min   coef  0.75   61
## 1128       NA_fq_Precipitation_amount..0.1        min   coef  0.75    4
## 1129       NA_fq_Precipitation_amount..40         min   coef  0.75   61
## 1130               NA_fq_Snow_depth..1            min   coef  0.75    8
## 1131               NA_fq_Snow_depth..4            min   coef  0.75   12
## 1132                  NA_length_days              min   coef  0.75   61
## 1133       NA_sk_Maximum_temperature..31          min   coef  0.75   16
## 1134       NA_sk_Minimum_temperature...15         min   coef  0.75   61
## 1135       NA_sk_Precipitation_amount..0.1        min   coef  0.75   61
## 1136       NA_sk_Precipitation_amount..40         min   coef  0.75   61
## 1137               NA_sk_Snow_depth..1            min   coef  0.75   61
## 1138               NA_sk_Snow_depth..4            min   coef  0.75   61
## 1139                   NA_total_prec              min   coef  0.75    6
## 1140               vegetative_avg_temp            min   coef  0.75   61
## 1141  vegetative_fq_Maximum_temperature..31       min   coef  0.75   61
## 1142  vegetative_fq_Precipitation_amount..0.1     min   coef  0.75   61
## 1143  vegetative_fq_Precipitation_amount..40      min   coef  0.75   61
## 1144           vegetative_fq_Snow_depth..1        min   coef  0.75   61
## 1145           vegetative_fq_Snow_depth..4        min   coef  0.75   61
## 1146             vegetative_length_days           min   coef  0.75   61
## 1147          vegetative_since_nyear_days         min   coef  0.75    5
## 1148  vegetative_sk_Maximum_temperature..31       min   coef  0.75   61
## 1149  vegetative_sk_Precipitation_amount..0.1     min   coef  0.75   11
## 1150  vegetative_sk_Precipitation_amount..40      min   coef  0.75   61
## 1151           vegetative_sk_Snow_depth..1        min   coef  0.75   61
## 1152           vegetative_sk_Snow_depth..4        min   coef  0.75   61
## 1153             vegetative_total_prec            min   coef  0.75   19
## 1154               critical_events                min   coef  0.75   61
## 1155                     filling                  min   coef  0.75   61
## 1156                   generative                 min   coef  0.75   61
## 1157                       NA.                     min   coef  0.75   61
## 1158                   vegetative                 min   coef  0.75   61
## 1159                       area                    min   coef  0.75    1
## 1160               filling_avg_temp               min    s1   0.75    5
## 1161       filling_fq_Maximum_temperature..31     min    s1   0.75   61
## 1162       filling_fq_Precipitation_amount..0.1   min    s1   0.75   61
## 1163       filling_fq_Precipitation_amount..40    min    s1   0.75   19
## 1164               filling_fq_Snow_depth..1       min    s1   0.75    8
## 1165             filling_length_days              min    s1   0.75   18
## 1166             filling_since_nyear_days         min    s1   0.75   61
## 1167             filling_since_seed_days          min    s1   0.75   23
## 1168       filling_sk_Maximum_temperature..31     min    s1   0.75   21
## 1169       filling_sk_Precipitation_amount..0.1   min    s1   0.75   61
## 1170       filling_sk_Precipitation_amount..40    min    s1   0.75   61
## 1171               filling_sk_Snow_depth..1       min    s1   0.75   24
## 1172               filling_total_prec             min    s1   0.75   13
## 1173               generative_avg_temp            min    s1   0.75    3
## 1174  generative_fq_Maximum_temperature..31       min    s1   0.75   20
## 1175  generative_fq_Precipitation_amount..0.1     min    s1   0.75   61
```

```
## 1176    generative_fq_Precipitation_amount..40    min    s1    0.75    26
## 1177           generative_fq_Snow_depth..1    min    s1    0.75    61
## 1178             generative_length_days    min    s1    0.75    61
## 1179           generative_since_nyear_days    min    s1    0.75    61
## 1180           generative_since_seed_days    min    s1    0.75    61
## 1181    generative_sk_Maximum_temperature..31    min    s1    0.75    30
## 1182  generative_sk_Precipitation_amount..0.1    min    s1    0.75    27
## 1183   generative_sk_Precipitation_amount..40    min    s1    0.75    25
## 1184           generative_sk_Snow_depth..1    min    s1    0.75    61
## 1185             generative_total_prec    min    s1    0.75    17
## 1186                  NA_avg_temp    min    s1    0.75     4
## 1187        NA_fq_Maximum_temperature..31    min    s1    0.75    28
## 1188        NA_fq_Minimum_temperature...15    min    s1    0.75    61
## 1189        NA_fq_Precipitation_amount..0.1    min    s1    0.75     2
## 1190        NA_fq_Precipitation_amount..40    min    s1    0.75    61
## 1191                NA_fq_Snow_depth..1    min    s1    0.75    11
## 1192                NA_fq_Snow_depth..4    min    s1    0.75    61
## 1193                  NA_length_days    min    s1    0.75    61
## 1194        NA_sk_Maximum_temperature..31    min    s1    0.75    22
## 1195        NA_sk_Minimum_temperature...15    min    s1    0.75    61
## 1196        NA_sk_Precipitation_amount..0.1    min    s1    0.75    15
## 1197        NA_sk_Precipitation_amount..40    min    s1    0.75    61
## 1198                NA_sk_Snow_depth..1    min    s1    0.75    10
## 1199                NA_sk_Snow_depth..4    min    s1    0.75    61
## 1200                  NA_total_prec    min    s1    0.75     9
## 1201             vegetative_avg_temp    min    s1    0.75    61
## 1202   vegetative_fq_Maximum_temperature..31    min    s1    0.75    61
## 1203  vegetative_fq_Precipitation_amount..0.1    min    s1    0.75    14
## 1204   vegetative_fq_Precipitation_amount..40    min    s1    0.75    31
## 1205           vegetative_fq_Snow_depth..1    min    s1    0.75    61
## 1206           vegetative_fq_Snow_depth..4    min    s1    0.75    61
## 1207             vegetative_length_days    min    s1    0.75    61
## 1208           vegetative_since_nyear_days    min    s1    0.75     6
## 1209   vegetative_sk_Maximum_temperature..31    min    s1    0.75    61
## 1210  vegetative_sk_Precipitation_amount..0.1    min    s1    0.75    12
## 1211   vegetative_sk_Precipitation_amount..40    min    s1    0.75    32
## 1212           vegetative_sk_Snow_depth..1    min    s1    0.75    61
## 1213           vegetative_sk_Snow_depth..4    min    s1    0.75    61
## 1214             vegetative_total_prec    min    s1    0.75    16
## 1215               critical_events    min    s1    0.75    61
## 1216                     filling    min    s1    0.75    29
## 1217                   generative    min    s1    0.75    61
## 1218                       NA.    min    s1    0.75     7
## 1219                   vegetative    min    s1    0.75    61
## 1220                       area    min    s1    0.75     1
## 1221             filling_avg_temp    min    st    0.75     5
## 1222     filling_fq_Maximum_temperature..31    min    st    0.75    61
## 1223    filling_fq_Precipitation_amount..0.1    min    st    0.75    61
## 1224     filling_fq_Precipitation_amount..40    min    st    0.75    18
## 1225           filling_fq_Snow_depth..1    min    st    0.75     6
## 1226             filling_length_days    min    st    0.75    14
## 1227           filling_since_nyear_days    min    st    0.75    61
## 1228           filling_since_seed_days    min    st    0.75    24
## 1229     filling_sk_Maximum_temperature..31    min    st    0.75    20
```

23

```
## 1230        filling_sk_Precipitation_amount..0.1   min    st   0.75   61
## 1231        filling_sk_Precipitation_amount..40     min    st   0.75   61
## 1232                 filling_sk_Snow_depth..1        min    st   0.75   23
## 1233                       filling_total_prec        min    st   0.75   12
## 1234                       generative_avg_temp       min    st   0.75    4
## 1235   generative_fq_Maximum_temperature..31         min    st   0.75   22
## 1236 generative_fq_Precipitation_amount..0.1         min    st   0.75   61
## 1237  generative_fq_Precipitation_amount..40         min    st   0.75   27
## 1238              generative_fq_Snow_depth..1        min    st   0.75   61
## 1239                    generative_length_days       min    st   0.75   61
## 1240               generative_since_nyear_days       min    st   0.75   61
## 1241               generative_since_seed_days        min    st   0.75   61
## 1242   generative_sk_Maximum_temperature..31         min    st   0.75   26
## 1243 generative_sk_Precipitation_amount..0.1         min    st   0.75   30
## 1244  generative_sk_Precipitation_amount..40         min    st   0.75   29
## 1245              generative_sk_Snow_depth..1        min    st   0.75   61
## 1246                    generative_total_prec        min    st   0.75   16
## 1247                            NA_avg_temp          min    st   0.75    3
## 1248            NA_fq_Maximum_temperature..31         min    st   0.75   25
## 1249            NA_fq_Minimum_temperature...15        min    st   0.75   61
## 1250            NA_fq_Precipitation_amount..0.1       min    st   0.75    2
## 1251            NA_fq_Precipitation_amount..40        min    st   0.75   61
## 1252                     NA_fq_Snow_depth..1          min    st   0.75   10
## 1253                     NA_fq_Snow_depth..4          min    st   0.75   61
## 1254                        NA_length_days            min    st   0.75   61
## 1255            NA_sk_Maximum_temperature..31         min    st   0.75   21
## 1256            NA_sk_Minimum_temperature...15        min    st   0.75   61
## 1257            NA_sk_Precipitation_amount..0.1       min    st   0.75   15
## 1258            NA_sk_Precipitation_amount..40        min    st   0.75   61
## 1259                     NA_sk_Snow_depth..1          min    st   0.75    9
## 1260                     NA_sk_Snow_depth..4          min    st   0.75   61
## 1261                         NA_total_prec            min    st   0.75   11
## 1262                     vegetative_avg_temp          min    st   0.75   61
## 1263   vegetative_fq_Maximum_temperature..31         min    st   0.75   61
## 1264 vegetative_fq_Precipitation_amount..0.1         min    st   0.75   17
## 1265  vegetative_fq_Precipitation_amount..40         min    st   0.75   31
## 1266              vegetative_fq_Snow_depth..1        min    st   0.75   61
## 1267              vegetative_fq_Snow_depth..4        min    st   0.75   61
## 1268                    vegetative_length_days       min    st   0.75   61
## 1269               vegetative_since_nyear_days       min    st   0.75    8
## 1270   vegetative_sk_Maximum_temperature..31         min    st   0.75   61
## 1271 vegetative_sk_Precipitation_amount..0.1         min    st   0.75   13
## 1272  vegetative_sk_Precipitation_amount..40         min    st   0.75   32
## 1273              vegetative_sk_Snow_depth..1        min    st   0.75   61
## 1274              vegetative_sk_Snow_depth..4        min    st   0.75   61
## 1275                    vegetative_total_prec        min    st   0.75   19
## 1276                        critical_events          min    st   0.75   61
## 1277                                filling          min    st   0.75   28
## 1278                             generative          min    st   0.75   61
## 1279                                    NA.          min    st   0.75    7
## 1280                             vegetative          min    st   0.75   61
## 1281                                   area          min    st   0.75    1
## 1282                        filling_avg_temp         1se  coef   0.75   61
## 1283        filling_fq_Maximum_temperature..31       1se  coef   0.75   61
```

```
## 1284      filling_fq_Precipitation_amount..0.1    1se   coef   0.75   61
## 1285       filling_fq_Precipitation_amount..40    1se   coef   0.75   61
## 1286                filling_fq_Snow_depth..1       1se   coef   0.75   61
## 1287                    filling_length_days        1se   coef   0.75   61
## 1288                  filling_since_nyear_days      1se   coef   0.75   61
## 1289                  filling_since_seed_days       1se   coef   0.75   10
## 1290     filling_sk_Maximum_temperature..31       1se   coef   0.75   61
## 1291      filling_sk_Precipitation_amount..0.1    1se   coef   0.75   61
## 1292       filling_sk_Precipitation_amount..40    1se   coef   0.75   61
## 1293                filling_sk_Snow_depth..1       1se   coef   0.75   61
## 1294                      filling_total_prec       1se   coef   0.75    8
## 1295                     generative_avg_temp       1se   coef   0.75    4
## 1296  generative_fq_Maximum_temperature..31      1se   coef   0.75   61
## 1297 generative_fq_Precipitation_amount..0.1     1se   coef   0.75   61
## 1298  generative_fq_Precipitation_amount..40      1se   coef   0.75   15
## 1299             generative_fq_Snow_depth..1      1se   coef   0.75   12
## 1300                  generative_length_days       1se   coef   0.75   13
## 1301               generative_since_nyear_days    1se   coef   0.75   61
## 1302               generative_since_seed_days     1se   coef   0.75   61
## 1303  generative_sk_Maximum_temperature..31      1se   coef   0.75   61
## 1304 generative_sk_Precipitation_amount..0.1     1se   coef   0.75   61
## 1305  generative_sk_Precipitation_amount..40      1se   coef   0.75   17
## 1306             generative_sk_Snow_depth..1      1se   coef   0.75   18
## 1307                   generative_total_prec      1se   coef   0.75    7
## 1308                            NA_avg_temp        1se   coef   0.75    2
## 1309          NA_fq_Maximum_temperature..31        1se   coef   0.75   14
## 1310          NA_fq_Minimum_temperature...15       1se   coef   0.75   61
## 1311          NA_fq_Precipitation_amount..0.1     1se   coef   0.75    6
## 1312          NA_fq_Precipitation_amount..40      1se   coef   0.75   61
## 1313                     NA_fq_Snow_depth..1      1se   coef   0.75    9
## 1314                     NA_fq_Snow_depth..4      1se   coef   0.75    5
## 1315                          NA_length_days       1se   coef   0.75   61
## 1316          NA_sk_Maximum_temperature..31        1se   coef   0.75   16
## 1317          NA_sk_Minimum_temperature...15       1se   coef   0.75   61
## 1318          NA_sk_Precipitation_amount..0.1     1se   coef   0.75   61
## 1319          NA_sk_Precipitation_amount..40      1se   coef   0.75   61
## 1320                     NA_sk_Snow_depth..1      1se   coef   0.75   61
## 1321                     NA_sk_Snow_depth..4      1se   coef   0.75   61
## 1322                            NA_total_prec      1se   coef   0.75   11
## 1323                    vegetative_avg_temp       1se   coef   0.75   61
## 1324  vegetative_fq_Maximum_temperature..31      1se   coef   0.75   61
## 1325 vegetative_fq_Precipitation_amount..0.1     1se   coef   0.75   61
## 1326  vegetative_fq_Precipitation_amount..40      1se   coef   0.75   61
## 1327             vegetative_fq_Snow_depth..1      1se   coef   0.75   61
## 1328             vegetative_fq_Snow_depth..4      1se   coef   0.75   61
## 1329                  vegetative_length_days       1se   coef   0.75   61
## 1330               vegetative_since_nyear_days    1se   coef   0.75    3
## 1331  vegetative_sk_Maximum_temperature..31      1se   coef   0.75   61
## 1332 vegetative_sk_Precipitation_amount..0.1     1se   coef   0.75   61
## 1333  vegetative_sk_Precipitation_amount..40      1se   coef   0.75   61
## 1334             vegetative_sk_Snow_depth..1      1se   coef   0.75   61
## 1335             vegetative_sk_Snow_depth..4      1se   coef   0.75   61
## 1336                   vegetative_total_prec      1se   coef   0.75   61
## 1337                          critical_events      1se   coef   0.75   61
```

```
## 1338                              filling   1se   coef   0.75   61
## 1339                           generative   1se   coef   0.75   61
## 1340                                  NA.   1se   coef   0.75   61
## 1341                           vegetative   1se   coef   0.75   61
## 1342                                 area   1se   coef   0.75    1
## 1343                     filling_avg_temp   1se     s1   0.75   61
## 1344    filling_fq_Maximum_temperature..31   1se     s1   0.75   61
## 1345    filling_fq_Precipitation_amount..0.1   1se     s1   0.75   61
## 1346    filling_fq_Precipitation_amount..40   1se     s1   0.75   61
## 1347           filling_fq_Snow_depth..1   1se     s1   0.75   61
## 1348                  filling_length_days   1se     s1   0.75   61
## 1349             filling_since_nyear_days   1se     s1   0.75   61
## 1350              filling_since_seed_days   1se     s1   0.75   61
## 1351    filling_sk_Maximum_temperature..31   1se     s1   0.75   61
## 1352    filling_sk_Precipitation_amount..0.1   1se     s1   0.75   61
## 1353    filling_sk_Precipitation_amount..40   1se     s1   0.75   61
## 1354           filling_sk_Snow_depth..1   1se     s1   0.75   61
## 1355                   filling_total_prec   1se     s1   0.75    9
## 1356                  generative_avg_temp   1se     s1   0.75    6
## 1357  generative_fq_Maximum_temperature..31   1se     s1   0.75   61
## 1358 generative_fq_Precipitation_amount..0.1   1se     s1   0.75   61
## 1359  generative_fq_Precipitation_amount..40   1se     s1   0.75   61
## 1360         generative_fq_Snow_depth..1   1se     s1   0.75    7
## 1361               generative_length_days   1se     s1   0.75   10
## 1362          generative_since_nyear_days   1se     s1   0.75   61
## 1363           generative_since_seed_days   1se     s1   0.75   61
## 1364  generative_sk_Maximum_temperature..31   1se     s1   0.75   61
## 1365 generative_sk_Precipitation_amount..0.1   1se     s1   0.75   61
## 1366  generative_sk_Precipitation_amount..40   1se     s1   0.75   61
## 1367         generative_sk_Snow_depth..1   1se     s1   0.75   11
## 1368                generative_total_prec   1se     s1   0.75    8
## 1369                          NA_avg_temp   1se     s1   0.75    4
## 1370        NA_fq_Maximum_temperature..31   1se     s1   0.75   61
## 1371         NA_fq_Minimum_temperature...15   1se     s1   0.75   61
## 1372        NA_fq_Precipitation_amount..0.1   1se     s1   0.75    2
## 1373         NA_fq_Precipitation_amount..40   1se     s1   0.75   61
## 1374                 NA_fq_Snow_depth..1   1se     s1   0.75   61
## 1375                 NA_fq_Snow_depth..4   1se     s1   0.75    5
## 1376                       NA_length_days   1se     s1   0.75   61
## 1377        NA_sk_Maximum_temperature..31   1se     s1   0.75   61
## 1378         NA_sk_Minimum_temperature...15   1se     s1   0.75   61
## 1379        NA_sk_Precipitation_amount..0.1   1se     s1   0.75   61
## 1380         NA_sk_Precipitation_amount..40   1se     s1   0.75   61
## 1381                 NA_sk_Snow_depth..1   1se     s1   0.75   61
## 1382                 NA_sk_Snow_depth..4   1se     s1   0.75   61
## 1383                        NA_total_prec   1se     s1   0.75   61
## 1384                   vegetative_avg_temp   1se     s1   0.75   61
## 1385  vegetative_fq_Maximum_temperature..31   1se     s1   0.75   61
## 1386 vegetative_fq_Precipitation_amount..0.1   1se     s1   0.75   61
## 1387  vegetative_fq_Precipitation_amount..40   1se     s1   0.75   61
## 1388         vegetative_fq_Snow_depth..1   1se     s1   0.75   61
## 1389         vegetative_fq_Snow_depth..4   1se     s1   0.75   61
## 1390               vegetative_length_days   1se     s1   0.75   61
## 1391          vegetative_since_nyear_days   1se     s1   0.75    3
```

```
## 1392      vegetative_sk_Maximum_temperature..31    1se    s1   0.75   61
## 1393 vegetative_sk_Precipitation_amount..0.1       1se    s1   0.75   61
## 1394   vegetative_sk_Precipitation_amount..40       1se    s1   0.75   61
## 1395            vegetative_sk_Snow_depth..1         1se    s1   0.75   61
## 1396            vegetative_sk_Snow_depth..4         1se    s1   0.75   61
## 1397               vegetative_total_prec            1se    s1   0.75   61
## 1398                  critical_events               1se    s1   0.75   61
## 1399                       filling                  1se    s1   0.75   61
## 1400                      generative                1se    s1   0.75   61
## 1401                          NA.                   1se    s1   0.75   61
## 1402                      vegetative                1se    s1   0.75   61
## 1403                          area                  1se    s1   0.75    1
## 1404                  filling_avg_temp              1se    st   0.75   61
## 1405    filling_fq_Maximum_temperature..31          1se    st   0.75   61
## 1406    filling_fq_Precipitation_amount..0.1        1se    st   0.75   61
## 1407    filling_fq_Precipitation_amount..40         1se    st   0.75   61
## 1408         filling_fq_Snow_depth..1               1se    st   0.75   61
## 1409               filling_length_days              1se    st   0.75   61
## 1410            filling_since_nyear_days            1se    st   0.75   61
## 1411             filling_since_seed_days            1se    st   0.75   61
## 1412    filling_sk_Maximum_temperature..31          1se    st   0.75   61
## 1413    filling_sk_Precipitation_amount..0.1        1se    st   0.75   61
## 1414    filling_sk_Precipitation_amount..40         1se    st   0.75   61
## 1415         filling_sk_Snow_depth..1               1se    st   0.75   61
## 1416               filling_total_prec               1se    st   0.75    9
## 1417               generative_avg_temp              1se    st   0.75    6
## 1418 generative_fq_Maximum_temperature..31          1se    st   0.75   61
## 1419 generative_fq_Precipitation_amount..0.1        1se    st   0.75   61
## 1420  generative_fq_Precipitation_amount..40        1se    st   0.75   61
## 1421          generative_fq_Snow_depth..1           1se    st   0.75    7
## 1422              generative_length_days            1se    st   0.75   10
## 1423           generative_since_nyear_days          1se    st   0.75   61
## 1424           generative_since_seed_days           1se    st   0.75   61
## 1425 generative_sk_Maximum_temperature..31          1se    st   0.75   61
## 1426 generative_sk_Precipitation_amount..0.1        1se    st   0.75   61
## 1427  generative_sk_Precipitation_amount..40        1se    st   0.75   61
## 1428          generative_sk_Snow_depth..1           1se    st   0.75   11
## 1429              generative_total_prec             1se    st   0.75    8
## 1430                    NA_avg_temp                 1se    st   0.75    4
## 1431          NA_fq_Maximum_temperature..31         1se    st   0.75   61
## 1432          NA_fq_Minimum_temperature...15        1se    st   0.75   61
## 1433          NA_fq_Precipitation_amount..0.1       1se    st   0.75    2
## 1434          NA_fq_Precipitation_amount..40        1se    st   0.75   61
## 1435               NA_fq_Snow_depth..1              1se    st   0.75   61
## 1436               NA_fq_Snow_depth..4              1se    st   0.75    5
## 1437                   NA_length_days               1se    st   0.75   61
## 1438          NA_sk_Maximum_temperature..31         1se    st   0.75   61
## 1439          NA_sk_Minimum_temperature...15        1se    st   0.75   61
## 1440          NA_sk_Precipitation_amount..0.1       1se    st   0.75   61
## 1441          NA_sk_Precipitation_amount..40        1se    st   0.75   61
## 1442               NA_sk_Snow_depth..1              1se    st   0.75   61
## 1443               NA_sk_Snow_depth..4              1se    st   0.75   61
## 1444                   NA_total_prec                1se    st   0.75   61
## 1445               vegetative_avg_temp              1se    st   0.75   61
```

```
## 1446    vegetative_fq_Maximum_temperature..31      1se     st   0.75   61
## 1447 vegetative_fq_Precipitation_amount..0.1       1se     st   0.75   61
## 1448  vegetative_fq_Precipitation_amount..40       1se     st   0.75   61
## 1449            vegetative_fq_Snow_depth..1        1se     st   0.75   61
## 1450            vegetative_fq_Snow_depth..4        1se     st   0.75   61
## 1451               vegetative_length_days          1se     st   0.75   61
## 1452            vegetative_since_nyear_days         1se     st   0.75    3
## 1453  vegetative_sk_Maximum_temperature..31        1se     st   0.75   61
## 1454 vegetative_sk_Precipitation_amount..0.1       1se     st   0.75   61
## 1455  vegetative_sk_Precipitation_amount..40       1se     st   0.75   61
## 1456            vegetative_sk_Snow_depth..1        1se     st   0.75   61
## 1457            vegetative_sk_Snow_depth..4        1se     st   0.75   61
## 1458               vegetative_total_prec           1se     st   0.75   61
## 1459                    critical_events            1se     st   0.75   61
## 1460                          filling               1se     st   0.75   61
## 1461                       generative               1se     st   0.75   61
## 1462                             NA.                1se     st   0.75   61
## 1463                        vegetative              1se     st   0.75   61
## 1464                             area              1se     st   0.75    1
## 1465                    filling_avg_temp           min    coef   1.00    2
## 1466    filling_fq_Maximum_temperature..31         min    coef   1.00   61
## 1467    filling_fq_Precipitation_amount..0.1        min    coef   1.00   61
## 1468     filling_fq_Precipitation_amount..40        min    coef   1.00   20
## 1469             filling_fq_Snow_depth..1          min    coef   1.00    5
## 1470                 filling_length_days            min    coef   1.00   35
## 1471               filling_since_nyear_days         min    coef   1.00   61
## 1472               filling_since_seed_days          min    coef   1.00   26
## 1473    filling_sk_Maximum_temperature..31         min    coef   1.00   23
## 1474    filling_sk_Precipitation_amount..0.1        min    coef   1.00   61
## 1475     filling_sk_Precipitation_amount..40        min    coef   1.00   61
## 1476             filling_sk_Snow_depth..1          min    coef   1.00   25
## 1477                 filling_total_prec            min    coef   1.00   12
## 1478                  generative_avg_temp          min    coef   1.00    3
## 1479 generative_fq_Maximum_temperature..31         min    coef   1.00   19
## 1480 generative_fq_Precipitation_amount..0.1       min    coef   1.00   61
## 1481  generative_fq_Precipitation_amount..40       min    coef   1.00   18
## 1482           generative_fq_Snow_depth..1        min    coef   1.00   61
## 1483               generative_length_days          min    coef   1.00   61
## 1484            generative_since_nyear_days         min    coef   1.00   61
## 1485            generative_since_seed_days          min    coef   1.00   61
## 1486 generative_sk_Maximum_temperature..31         min    coef   1.00   30
## 1487 generative_sk_Precipitation_amount..0.1       min    coef   1.00   24
## 1488  generative_sk_Precipitation_amount..40       min    coef   1.00   32
## 1489           generative_sk_Snow_depth..1        min    coef   1.00   61
## 1490               generative_total_prec           min    coef   1.00   15
## 1491                       NA_avg_temp             min    coef   1.00    4
## 1492         NA_fq_Maximum_temperature..31         min    coef   1.00   22
## 1493         NA_fq_Minimum_temperature...15        min    coef   1.00   61
## 1494         NA_fq_Precipitation_amount..0.1       min    coef   1.00    8
## 1495          NA_fq_Precipitation_amount..40       min    coef   1.00   61
## 1496                 NA_fq_Snow_depth..1          min    coef   1.00    6
## 1497                 NA_fq_Snow_depth..4          min    coef   1.00   61
## 1498                   NA_length_days             min    coef   1.00   61
## 1499         NA_sk_Maximum_temperature..31         min    coef   1.00   17
```

```
## 1500         NA_sk_Minimum_temperature...15   min   coef   1.00   61
## 1501         NA_sk_Precipitation_amount..0.1   min   coef   1.00   21
## 1502          NA_sk_Precipitation_amount..40   min   coef   1.00   61
## 1503                    NA_sk_Snow_depth..1   min   coef   1.00   11
## 1504                    NA_sk_Snow_depth..4   min   coef   1.00   31
## 1505                         NA_total_prec   min   coef   1.00    9
## 1506                     vegetative_avg_temp   min   coef   1.00   61
## 1507 vegetative_fq_Maximum_temperature..31   min   coef   1.00   29
## 1508 vegetative_fq_Precipitation_amount..0.1   min   coef   1.00   13
## 1509 vegetative_fq_Precipitation_amount..40   min   coef   1.00   28
## 1510           vegetative_fq_Snow_depth..1   min   coef   1.00   61
## 1511           vegetative_fq_Snow_depth..4   min   coef   1.00   61
## 1512               vegetative_length_days   min   coef   1.00   61
## 1513            vegetative_since_nyear_days   min   coef   1.00    7
## 1514 vegetative_sk_Maximum_temperature..31   min   coef   1.00   33
## 1515 vegetative_sk_Precipitation_amount..0.1   min   coef   1.00   14
## 1516 vegetative_sk_Precipitation_amount..40   min   coef   1.00   34
## 1517           vegetative_sk_Snow_depth..1   min   coef   1.00   61
## 1518           vegetative_sk_Snow_depth..4   min   coef   1.00   61
## 1519               vegetative_total_prec   min   coef   1.00   16
## 1520                     critical_events   min   coef   1.00   61
## 1521                            filling   min   coef   1.00   27
## 1522                          generative   min   coef   1.00   61
## 1523                               NA.   min   coef   1.00   10
## 1524                          vegetative   min   coef   1.00   61
## 1525                               area   min   coef   1.00    1
## 1526                    filling_avg_temp   min     s1   1.00    4
## 1527   filling_fq_Maximum_temperature..31   min     s1   1.00   61
## 1528   filling_fq_Precipitation_amount..0.1   min     s1   1.00   61
## 1529   filling_fq_Precipitation_amount..40   min     s1   1.00   19
## 1530            filling_fq_Snow_depth..1   min     s1   1.00    6
## 1531               filling_length_days   min     s1   1.00   61
## 1532            filling_since_nyear_days   min     s1   1.00   61
## 1533            filling_since_seed_days   min     s1   1.00   23
## 1534   filling_sk_Maximum_temperature..31   min     s1   1.00   21
## 1535   filling_sk_Precipitation_amount..0.1   min     s1   1.00   61
## 1536   filling_sk_Precipitation_amount..40   min     s1   1.00   61
## 1537            filling_sk_Snow_depth..1   min     s1   1.00   24
## 1538               filling_total_prec   min     s1   1.00   11
## 1539                 generative_avg_temp   min     s1   1.00    3
## 1540 generative_fq_Maximum_temperature..31   min     s1   1.00   18
## 1541 generative_fq_Precipitation_amount..0.1   min     s1   1.00   61
## 1542 generative_fq_Precipitation_amount..40   min     s1   1.00   22
## 1543          generative_fq_Snow_depth..1   min     s1   1.00   61
## 1544               generative_length_days   min     s1   1.00   61
## 1545           generative_since_nyear_days   min     s1   1.00   61
## 1546           generative_since_seed_days   min     s1   1.00   61
## 1547 generative_sk_Maximum_temperature..31   min     s1   1.00   29
## 1548 generative_sk_Precipitation_amount..0.1   min     s1   1.00   25
## 1549 generative_sk_Precipitation_amount..40   min     s1   1.00   30
## 1550          generative_sk_Snow_depth..1   min     s1   1.00   61
## 1551               generative_total_prec   min     s1   1.00   16
## 1552                          NA_avg_temp   min     s1   1.00    5
## 1553         NA_fq_Maximum_temperature..31   min     s1   1.00   26
```

```
## 1554              NA_fq_Minimum_temperature...15   min   s1   1.00   61
## 1555             NA_fq_Precipitation_amount..0.1   min   s1   1.00    2
## 1556              NA_fq_Precipitation_amount..40   min   s1   1.00   61
## 1557                        NA_fq_Snow_depth..1   min   s1   1.00   13
## 1558                        NA_fq_Snow_depth..4   min   s1   1.00   61
## 1559                             NA_length_days   min   s1   1.00   61
## 1560            NA_sk_Maximum_temperature..31   min   s1   1.00   20
## 1561            NA_sk_Minimum_temperature...15   min   s1   1.00   61
## 1562            NA_sk_Precipitation_amount..0.1   min   s1   1.00   14
## 1563             NA_sk_Precipitation_amount..40   min   s1   1.00   61
## 1564                        NA_sk_Snow_depth..1   min   s1   1.00    9
## 1565                        NA_sk_Snow_depth..4   min   s1   1.00   61
## 1566                              NA_total_prec   min   s1   1.00   10
## 1567                           vegetative_avg_temp   min   s1   1.00   61
## 1568   vegetative_fq_Maximum_temperature..31   min   s1   1.00   61
## 1569 vegetative_fq_Precipitation_amount..0.1   min   s1   1.00   15
## 1570  vegetative_fq_Precipitation_amount..40   min   s1   1.00   28
## 1571              vegetative_fq_Snow_depth..1   min   s1   1.00   61
## 1572              vegetative_fq_Snow_depth..4   min   s1   1.00   61
## 1573                 vegetative_length_days   min   s1   1.00   61
## 1574             vegetative_since_nyear_days   min   s1   1.00    8
## 1575   vegetative_sk_Maximum_temperature..31   min   s1   1.00   61
## 1576 vegetative_sk_Precipitation_amount..0.1   min   s1   1.00   12
## 1577  vegetative_sk_Precipitation_amount..40   min   s1   1.00   31
## 1578              vegetative_sk_Snow_depth..1   min   s1   1.00   61
## 1579              vegetative_sk_Snow_depth..4   min   s1   1.00   61
## 1580                 vegetative_total_prec   min   s1   1.00   17
## 1581                         critical_events   min   s1   1.00   61
## 1582                                 filling   min   s1   1.00   27
## 1583                              generative   min   s1   1.00   61
## 1584                                     NA.   min   s1   1.00    7
## 1585                              vegetative   min   s1   1.00   61
## 1586                                    area   min   s1   1.00    1
## 1587                         filling_avg_temp   min   st   1.00    4
## 1588       filling_fq_Maximum_temperature..31   min   st   1.00   61
## 1589     filling_fq_Precipitation_amount..0.1   min   st   1.00   61
## 1590      filling_fq_Precipitation_amount..40   min   st   1.00   19
## 1591                 filling_fq_Snow_depth..1   min   st   1.00    6
## 1592                      filling_length_days   min   st   1.00   61
## 1593                   filling_since_nyear_days   min   st   1.00   61
## 1594                   filling_since_seed_days   min   st   1.00   23
## 1595       filling_sk_Maximum_temperature..31   min   st   1.00   21
## 1596     filling_sk_Precipitation_amount..0.1   min   st   1.00   61
## 1597      filling_sk_Precipitation_amount..40   min   st   1.00   61
## 1598                 filling_sk_Snow_depth..1   min   st   1.00   22
## 1599                       filling_total_prec   min   st   1.00   12
## 1600                      generative_avg_temp   min   st   1.00    5
## 1601   generative_fq_Maximum_temperature..31   min   st   1.00   16
## 1602 generative_fq_Precipitation_amount..0.1   min   st   1.00   61
## 1603  generative_fq_Precipitation_amount..40   min   st   1.00   24
## 1604              generative_fq_Snow_depth..1   min   st   1.00   61
## 1605                  generative_length_days   min   st   1.00   61
## 1606              generative_since_nyear_days   min   st   1.00   61
## 1607              generative_since_seed_days   min   st   1.00   61
```

```
## 1608       generative_sk_Maximum_temperature..31     min     st    1.00    28
## 1609 generative_sk_Precipitation_amount..0.1         min     st    1.00    26
## 1610  generative_sk_Precipitation_amount..40          min     st    1.00    30
## 1611            generative_sk_Snow_depth..1          min     st    1.00    61
## 1612                  generative_total_prec          min     st    1.00    17
## 1613                           NA_avg_temp           min     st    1.00     3
## 1614        NA_fq_Maximum_temperature..31           min     st    1.00    29
## 1615        NA_fq_Minimum_temperature...15          min     st    1.00    61
## 1616       NA_fq_Precipitation_amount..0.1          min     st    1.00     2
## 1617        NA_fq_Precipitation_amount..40          min     st    1.00    61
## 1618               NA_fq_Snow_depth..1             min     st    1.00    13
## 1619               NA_fq_Snow_depth..4             min     st    1.00    61
## 1620                       NA_length_days          min     st    1.00    61
## 1621        NA_sk_Maximum_temperature..31          min     st    1.00    20
## 1622        NA_sk_Minimum_temperature...15         min     st    1.00    61
## 1623       NA_sk_Precipitation_amount..0.1         min     st    1.00    14
## 1624        NA_sk_Precipitation_amount..40         min     st    1.00    61
## 1625               NA_sk_Snow_depth..1            min     st    1.00     9
## 1626               NA_sk_Snow_depth..4            min     st    1.00    61
## 1627                        NA_total_prec          min     st    1.00    10
## 1628                    vegetative_avg_temp        min     st    1.00    61
## 1629 vegetative_fq_Maximum_temperature..31        min     st    1.00    61
## 1630 vegetative_fq_Precipitation_amount..0.1      min     st    1.00    15
## 1631 vegetative_fq_Precipitation_amount..40       min     st    1.00    27
## 1632           vegetative_fq_Snow_depth..1        min     st    1.00    61
## 1633           vegetative_fq_Snow_depth..4        min     st    1.00    61
## 1634              vegetative_length_days          min     st    1.00    61
## 1635           vegetative_since_nyear_days        min     st    1.00     8
## 1636 vegetative_sk_Maximum_temperature..31        min     st    1.00    61
## 1637 vegetative_sk_Precipitation_amount..0.1      min     st    1.00    11
## 1638 vegetative_sk_Precipitation_amount..40       min     st    1.00    31
## 1639           vegetative_sk_Snow_depth..1        min     st    1.00    61
## 1640           vegetative_sk_Snow_depth..4        min     st    1.00    61
## 1641                 vegetative_total_prec        min     st    1.00    18
## 1642                        critical_events       min     st    1.00    61
## 1643                              filling         min     st    1.00    25
## 1644                           generative        min     st    1.00    61
## 1645                                  NA.         min     st    1.00     7
## 1646                           vegetative        min     st    1.00    61
## 1647                                 area         min     st    1.00     1
## 1648                     filling_avg_temp         1se    coef  1.00    61
## 1649    filling_fq_Maximum_temperature..31        1se    coef  1.00    61
## 1650    filling_fq_Precipitation_amount..0.1      1se    coef  1.00    61
## 1651    filling_fq_Precipitation_amount..40       1se    coef  1.00    61
## 1652              filling_fq_Snow_depth..1        1se    coef  1.00    61
## 1653                  filling_length_days         1se    coef  1.00    61
## 1654               filling_since_nyear_days       1se    coef  1.00    61
## 1655               filling_since_seed_days        1se    coef  1.00    61
## 1656    filling_sk_Maximum_temperature..31        1se    coef  1.00    61
## 1657    filling_sk_Precipitation_amount..0.1      1se    coef  1.00    61
## 1658    filling_sk_Precipitation_amount..40       1se    coef  1.00    61
## 1659              filling_sk_Snow_depth..1        1se    coef  1.00    61
## 1660                    filling_total_prec        1se    coef  1.00    61
## 1661                  generative_avg_temp         1se    coef  1.00     5
```

```
## 1662    generative_fq_Maximum_temperature..31    1se    coef    1.00    61
## 1663 generative_fq_Precipitation_amount..0.1    1se    coef    1.00    61
## 1664  generative_fq_Precipitation_amount..40    1se    coef    1.00    61
## 1665            generative_fq_Snow_depth..1    1se    coef    1.00     8
## 1666                  generative_length_days    1se    coef    1.00     9
## 1667             generative_since_nyear_days    1se    coef    1.00    61
## 1668              generative_since_seed_days    1se    coef    1.00    61
## 1669   generative_sk_Maximum_temperature..31    1se    coef    1.00    61
## 1670 generative_sk_Precipitation_amount..0.1    1se    coef    1.00    61
## 1671  generative_sk_Precipitation_amount..40    1se    coef    1.00    61
## 1672            generative_sk_Snow_depth..1    1se    coef    1.00    61
## 1673                   generative_total_prec    1se    coef    1.00     7
## 1674                             NA_avg_temp    1se    coef    1.00     3
## 1675        NA_fq_Maximum_temperature..31    1se    coef    1.00    61
## 1676        NA_fq_Minimum_temperature...15    1se    coef    1.00    61
## 1677        NA_fq_Precipitation_amount..0.1    1se    coef    1.00     6
## 1678        NA_fq_Precipitation_amount..40    1se    coef    1.00    61
## 1679                  NA_fq_Snow_depth..1    1se    coef    1.00    61
## 1680                  NA_fq_Snow_depth..4    1se    coef    1.00     4
## 1681                           NA_length_days    1se    coef    1.00    61
## 1682        NA_sk_Maximum_temperature..31    1se    coef    1.00    61
## 1683        NA_sk_Minimum_temperature...15    1se    coef    1.00    61
## 1684        NA_sk_Precipitation_amount..0.1    1se    coef    1.00    61
## 1685        NA_sk_Precipitation_amount..40    1se    coef    1.00    61
## 1686                  NA_sk_Snow_depth..1    1se    coef    1.00    61
## 1687                  NA_sk_Snow_depth..4    1se    coef    1.00    61
## 1688                            NA_total_prec    1se    coef    1.00    61
## 1689                         vegetative_avg_temp    1se    coef    1.00    61
## 1690   vegetative_fq_Maximum_temperature..31    1se    coef    1.00    61
## 1691 vegetative_fq_Precipitation_amount..0.1    1se    coef    1.00    61
## 1692  vegetative_fq_Precipitation_amount..40    1se    coef    1.00    61
## 1693            vegetative_fq_Snow_depth..1    1se    coef    1.00    61
## 1694            vegetative_fq_Snow_depth..4    1se    coef    1.00    61
## 1695                  vegetative_length_days    1se    coef    1.00    61
## 1696             vegetative_since_nyear_days    1se    coef    1.00     2
## 1697   vegetative_sk_Maximum_temperature..31    1se    coef    1.00    61
## 1698 vegetative_sk_Precipitation_amount..0.1    1se    coef    1.00    61
## 1699  vegetative_sk_Precipitation_amount..40    1se    coef    1.00    61
## 1700            vegetative_sk_Snow_depth..1    1se    coef    1.00    61
## 1701            vegetative_sk_Snow_depth..4    1se    coef    1.00    61
## 1702                   vegetative_total_prec    1se    coef    1.00    61
## 1703                          critical_events    1se    coef    1.00    61
## 1704                                  filling    1se    coef    1.00    61
## 1705                               generative    1se    coef    1.00    61
## 1706                                      NA.    1se    coef    1.00    61
## 1707                               vegetative    1se    coef    1.00    61
## 1708                                     area    1se    coef    1.00     1
## 1709                         filling_avg_temp    1se      s1    1.00    61
## 1710      filling_fq_Maximum_temperature..31    1se      s1    1.00    61
## 1711    filling_fq_Precipitation_amount..0.1    1se      s1    1.00    61
## 1712     filling_fq_Precipitation_amount..40    1se      s1    1.00    61
## 1713            filling_fq_Snow_depth..1    1se      s1    1.00    61
## 1714                  filling_length_days    1se      s1    1.00    61
## 1715             filling_since_nyear_days    1se      s1    1.00    61
```
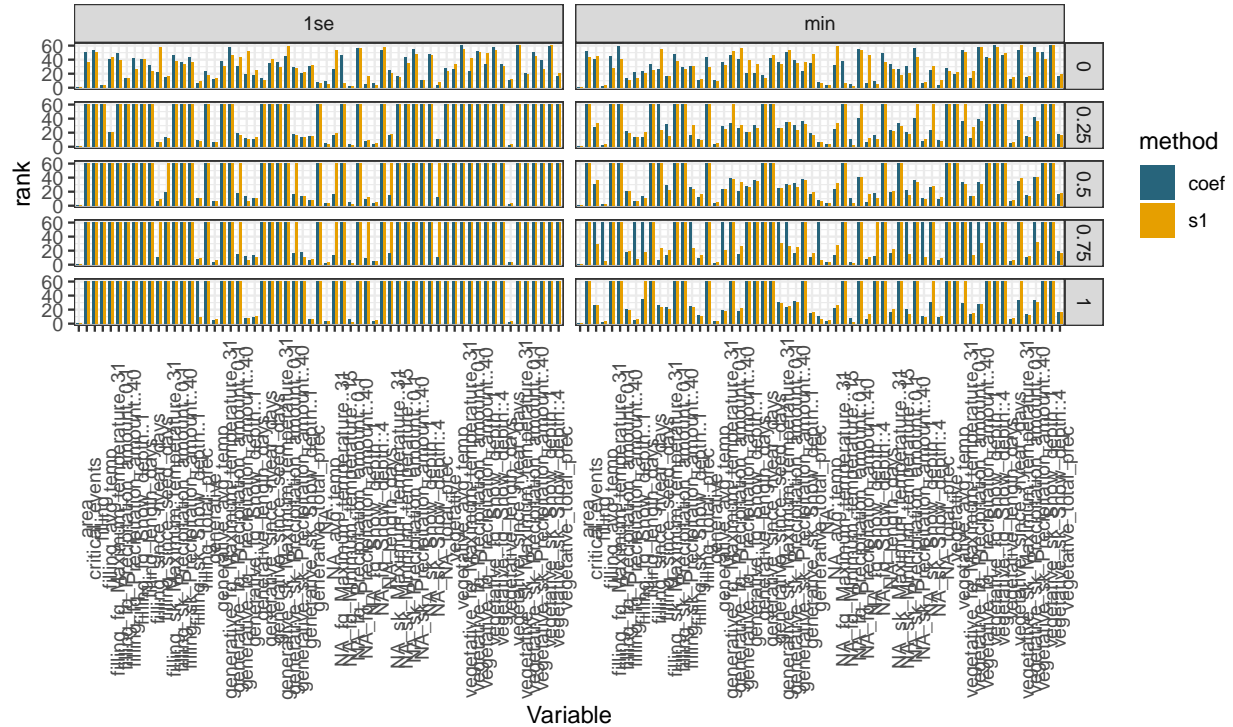
```
## 1716              filling_since_seed_days    1se   s1  1.00   61
## 1717        filling_sk_Maximum_temperature..31  1se   s1  1.00   61
## 1718     filling_sk_Precipitation_amount..0.1   1se   s1  1.00   61
## 1719      filling_sk_Precipitation_amount..40   1se   s1  1.00   61
## 1720            filling_sk_Snow_depth..1       1se   s1  1.00   61
## 1721                  filling_total_prec        1se   s1  1.00    9
## 1722                 generative_avg_temp        1se   s1  1.00    6
## 1723   generative_fq_Maximum_temperature..31   1se   s1  1.00   61
## 1724 generative_fq_Precipitation_amount..0.1  1se   s1  1.00   61
## 1725  generative_fq_Precipitation_amount..40   1se   s1  1.00   61
## 1726            generative_fq_Snow_depth..1    1se   s1  1.00    8
## 1727              generative_length_days       1se   s1  1.00   10
## 1728            generative_since_nyear_days    1se   s1  1.00   61
## 1729             generative_since_seed_days    1se   s1  1.00   61
## 1730   generative_sk_Maximum_temperature..31   1se   s1  1.00   61
## 1731 generative_sk_Precipitation_amount..0.1  1se   s1  1.00   61
## 1732  generative_sk_Precipitation_amount..40   1se   s1  1.00   61
## 1733            generative_sk_Snow_depth..1    1se   s1  1.00   61
## 1734                 generative_total_prec     1se   s1  1.00    7
## 1735                        NA_avg_temp        1se   s1  1.00    4
## 1736        NA_fq_Maximum_temperature..31      1se   s1  1.00   61
## 1737        NA_fq_Minimum_temperature...15     1se   s1  1.00   61
## 1738        NA_fq_Precipitation_amount..0.1    1se   s1  1.00    2
## 1739        NA_fq_Precipitation_amount..40     1se   s1  1.00   61
## 1740                NA_fq_Snow_depth..1        1se   s1  1.00   61
## 1741                NA_fq_Snow_depth..4        1se   s1  1.00    5
## 1742                    NA_length_days         1se   s1  1.00   61
## 1743        NA_sk_Maximum_temperature..31      1se   s1  1.00   61
## 1744        NA_sk_Minimum_temperature...15     1se   s1  1.00   61
## 1745        NA_sk_Precipitation_amount..0.1    1se   s1  1.00   61
## 1746        NA_sk_Precipitation_amount..40     1se   s1  1.00   61
## 1747                NA_sk_Snow_depth..1        1se   s1  1.00   61
## 1748                NA_sk_Snow_depth..4        1se   s1  1.00   61
## 1749                     NA_total_prec         1se   s1  1.00   61
## 1750                 vegetative_avg_temp       1se   s1  1.00   61
## 1751   vegetative_fq_Maximum_temperature..31   1se   s1  1.00   61
## 1752 vegetative_fq_Precipitation_amount..0.1  1se   s1  1.00   61
## 1753  vegetative_fq_Precipitation_amount..40   1se   s1  1.00   61
## 1754            vegetative_fq_Snow_depth..1    1se   s1  1.00   61
## 1755            vegetative_fq_Snow_depth..4    1se   s1  1.00   61
## 1756              vegetative_length_days       1se   s1  1.00   61
## 1757            vegetative_since_nyear_days    1se   s1  1.00    3
## 1758   vegetative_sk_Maximum_temperature..31   1se   s1  1.00   61
## 1759 vegetative_sk_Precipitation_amount..0.1  1se   s1  1.00   61
## 1760  vegetative_sk_Precipitation_amount..40   1se   s1  1.00   61
## 1761            vegetative_sk_Snow_depth..1    1se   s1  1.00   61
## 1762            vegetative_sk_Snow_depth..4    1se   s1  1.00   61
## 1763                 vegetative_total_prec     1se   s1  1.00   61
## 1764                     critical_events       1se   s1  1.00   61
## 1765                          filling         1se   s1  1.00   61
## 1766                        generative        1se   s1  1.00   61
## 1767                            NA.           1se   s1  1.00   61
## 1768                        vegetative        1se   s1  1.00   61
## 1769                            area          1se   s1  1.00    1
```
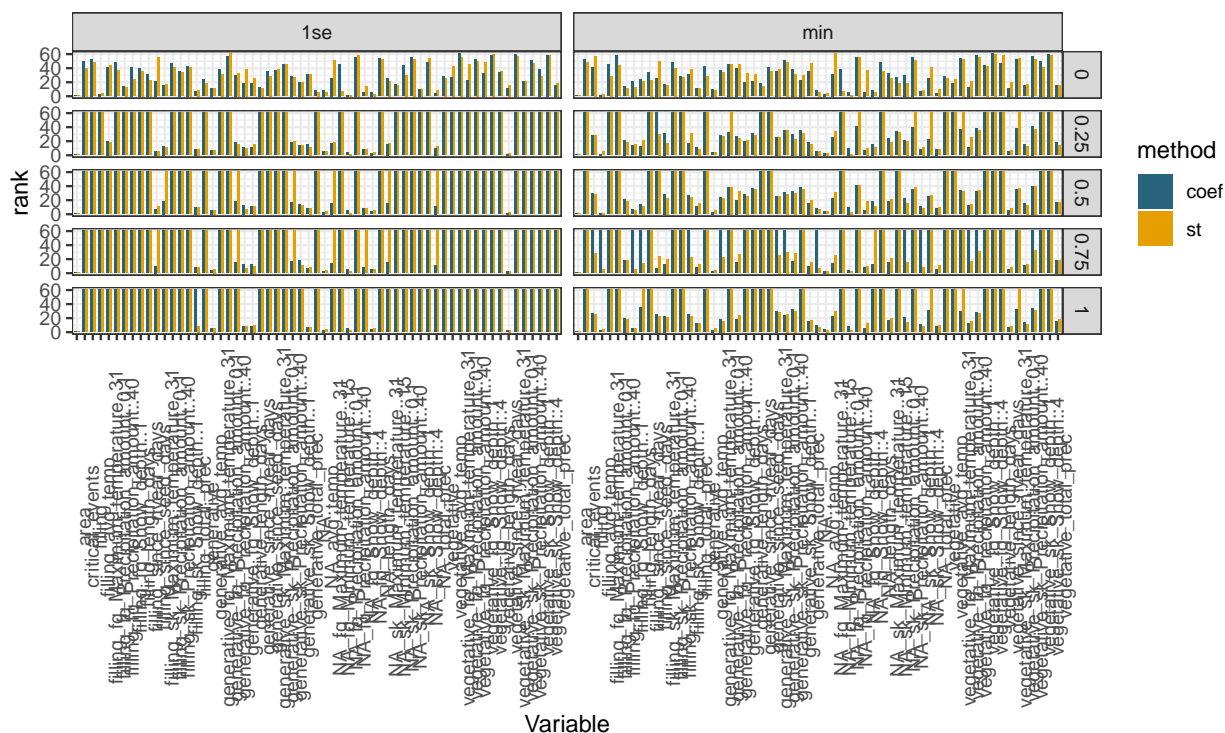
```
## 1770                      filling_avg_temp  1se   st  1.00   61
## 1771      filling_fq_Maximum_temperature..31  1se   st  1.00   61
## 1772      filling_fq_Precipitation_amount..0.1  1se   st  1.00   61
## 1773      filling_fq_Precipitation_amount..40  1se   st  1.00   61
## 1774           filling_fq_Snow_depth..1  1se   st  1.00   61
## 1775              filling_length_days  1se   st  1.00   61
## 1776          filling_since_nyear_days  1se   st  1.00   61
## 1777          filling_since_seed_days  1se   st  1.00   61
## 1778      filling_sk_Maximum_temperature..31  1se   st  1.00   61
## 1779      filling_sk_Precipitation_amount..0.1  1se   st  1.00   61
## 1780      filling_sk_Precipitation_amount..40  1se   st  1.00   61
## 1781           filling_sk_Snow_depth..1  1se   st  1.00   61
## 1782              filling_total_prec  1se   st  1.00    9
## 1783            generative_avg_temp  1se   st  1.00    6
## 1784   generative_fq_Maximum_temperature..31  1se   st  1.00   61
## 1785  generative_fq_Precipitation_amount..0.1  1se   st  1.00   61
## 1786   generative_fq_Precipitation_amount..40  1se   st  1.00   61
## 1787          generative_fq_Snow_depth..1  1se   st  1.00    8
## 1788             generative_length_days  1se   st  1.00   10
## 1789         generative_since_nyear_days  1se   st  1.00   61
## 1790         generative_since_seed_days  1se   st  1.00   61
## 1791   generative_sk_Maximum_temperature..31  1se   st  1.00   61
## 1792  generative_sk_Precipitation_amount..0.1  1se   st  1.00   61
## 1793   generative_sk_Precipitation_amount..40  1se   st  1.00   61
## 1794          generative_sk_Snow_depth..1  1se   st  1.00   61
## 1795             generative_total_prec  1se   st  1.00    7
## 1796                     NA_avg_temp  1se   st  1.00    4
## 1797        NA_fq_Maximum_temperature..31  1se   st  1.00   61
## 1798        NA_fq_Minimum_temperature...15  1se   st  1.00   61
## 1799        NA_fq_Precipitation_amount..0.1  1se   st  1.00    2
## 1800        NA_fq_Precipitation_amount..40  1se   st  1.00   61
## 1801             NA_fq_Snow_depth..1  1se   st  1.00   61
## 1802             NA_fq_Snow_depth..4  1se   st  1.00    5
## 1803               NA_length_days  1se   st  1.00   61
## 1804        NA_sk_Maximum_temperature..31  1se   st  1.00   61
## 1805        NA_sk_Minimum_temperature...15  1se   st  1.00   61
## 1806        NA_sk_Precipitation_amount..0.1  1se   st  1.00   61
## 1807        NA_sk_Precipitation_amount..40  1se   st  1.00   61
## 1808             NA_sk_Snow_depth..1  1se   st  1.00   61
## 1809             NA_sk_Snow_depth..4  1se   st  1.00   61
## 1810                   NA_total_prec  1se   st  1.00   61
## 1811               vegetative_avg_temp  1se   st  1.00   61
## 1812   vegetative_fq_Maximum_temperature..31  1se   st  1.00   61
## 1813  vegetative_fq_Precipitation_amount..0.1  1se   st  1.00   61
## 1814   vegetative_fq_Precipitation_amount..40  1se   st  1.00   61
## 1815          vegetative_fq_Snow_depth..1  1se   st  1.00   61
## 1816          vegetative_fq_Snow_depth..4  1se   st  1.00   61
## 1817              vegetative_length_days  1se   st  1.00   61
## 1818          vegetative_since_nyear_days  1se   st  1.00    3
## 1819   vegetative_sk_Maximum_temperature..31  1se   st  1.00   61
## 1820  vegetative_sk_Precipitation_amount..0.1  1se   st  1.00   61
## 1821   vegetative_sk_Precipitation_amount..40  1se   st  1.00   61
## 1822          vegetative_sk_Snow_depth..1  1se   st  1.00   61
## 1823          vegetative_sk_Snow_depth..4  1se   st  1.00   61
```

```
## 1824                    vegetative_total_prec    1se    st  1.00   61
## 1825                         critical_events    1se    st  1.00   61
## 1826                                 filling    1se    st  1.00   61
## 1827                              generative    1se    st  1.00   61
## 1828                                     NA.    1se    st  1.00   61
## 1829                              vegetative    1se    st  1.00   61
## 1830                                    area    1se    st  1.00    1
```

Examination of differences of ranks between S1 and COEF, by visualising their absolute ranks.

Examination of differences of ranks between ST and COEF, by visualising their absolute ranks.

Examination of rank differences

Following part compares differences in ranks compiled by S1,ST and COEF methods. Coparison is done between following pairs: S1-COEF and ST-COEF.

Dataset overview

```
##                                     Variable lambda combination alpha
## 1                                       area    1se          s1c     0
## 2                                       area    min          s1c     0
## 3                             critical_events    1se          s1c     0
## 4                             critical_events    min          s1c     0
## 5                                     filling    1se          s1c     0
## 6                                     filling    min          s1c     0
## 7                             filling_avg_temp    1se          s1c     0
## 8                             filling_avg_temp    min          s1c     0
## 9      filling_fq_Maximum_temperature..31    1se          s1c     0
## 10     filling_fq_Maximum_temperature..31    min          s1c     0
## 11    filling_fq_Precipitation_amount..0.1    1se          s1c     0
## 12    filling_fq_Precipitation_amount..0.1    min          s1c     0
## 13     filling_fq_Precipitation_amount..40    1se          s1c     0
## 14     filling_fq_Precipitation_amount..40    min          s1c     0
## 15              filling_fq_Snow_depth..1    1se          s1c     0
## 16              filling_fq_Snow_depth..1    min          s1c     0
## 17                      filling_length_days    1se          s1c     0
## 18                      filling_length_days    min          s1c     0
## 19                   filling_since_nyear_days    1se          s1c     0
## 20                   filling_since_nyear_days    min          s1c     0
## 21                   filling_since_seed_days    1se          s1c     0
## 22                   filling_since_seed_days    min          s1c     0
## 23     filling_sk_Maximum_temperature..31    1se          s1c     0
```

36

```
## 24          filling_sk_Maximum_temperature..31    min    s1c    0
## 25          filling_sk_Precipitation_amount..0.1   1se    s1c    0
## 26          filling_sk_Precipitation_amount..0.1   min    s1c    0
## 27           filling_sk_Precipitation_amount..40   1se    s1c    0
## 28           filling_sk_Precipitation_amount..40   min    s1c    0
## 29                   filling_sk_Snow_depth..1      1se    s1c    0
## 30                   filling_sk_Snow_depth..1      min    s1c    0
## 31                      filling_total_prec         1se    s1c    0
## 32                      filling_total_prec         min    s1c    0
## 33                         generative              1se    s1c    0
## 34                         generative              min    s1c    0
## 35                     generative_avg_temp         1se    s1c    0
## 36                     generative_avg_temp         min    s1c    0
## 37     generative_fq_Maximum_temperature..31       1se    s1c    0
## 38     generative_fq_Maximum_temperature..31       min    s1c    0
## 39    generative_fq_Precipitation_amount..0.1      1se    s1c    0
## 40    generative_fq_Precipitation_amount..0.1      min    s1c    0
## 41     generative_fq_Precipitation_amount..40      1se    s1c    0
## 42     generative_fq_Precipitation_amount..40      min    s1c    0
## 43             generative_fq_Snow_depth..1         1se    s1c    0
## 44             generative_fq_Snow_depth..1         min    s1c    0
## 45               generative_length_days            1se    s1c    0
## 46               generative_length_days            min    s1c    0
## 47             generative_since_nyear_days          1se    s1c    0
## 48             generative_since_nyear_days          min    s1c    0
## 49             generative_since_seed_days          1se    s1c    0
## 50             generative_since_seed_days          min    s1c    0
## 51     generative_sk_Maximum_temperature..31       1se    s1c    0
## 52     generative_sk_Maximum_temperature..31       min    s1c    0
## 53    generative_sk_Precipitation_amount..0.1      1se    s1c    0
## 54    generative_sk_Precipitation_amount..0.1      min    s1c    0
## 55     generative_sk_Precipitation_amount..40      1se    s1c    0
## 56     generative_sk_Precipitation_amount..40      min    s1c    0
## 57             generative_sk_Snow_depth..1         1se    s1c    0
## 58             generative_sk_Snow_depth..1         min    s1c    0
## 59               generative_total_prec             1se    s1c    0
## 60               generative_total_prec             min    s1c    0
## 61                            NA.                  1se    s1c    0
## 62                            NA.                  min    s1c    0
## 63                        NA_avg_temp              1se    s1c    0
## 64                        NA_avg_temp              min    s1c    0
## 65         NA_fq_Maximum_temperature..31           1se    s1c    0
## 66         NA_fq_Maximum_temperature..31           min    s1c    0
## 67         NA_fq_Minimum_temperature...15          1se    s1c    0
## 68         NA_fq_Minimum_temperature...15          min    s1c    0
## 69         NA_fq_Precipitation_amount..0.1         1se    s1c    0
## 70         NA_fq_Precipitation_amount..0.1         min    s1c    0
## 71          NA_fq_Precipitation_amount..40         1se    s1c    0
## 72          NA_fq_Precipitation_amount..40         min    s1c    0
## 73                 NA_fq_Snow_depth..1             1se    s1c    0
## 74                 NA_fq_Snow_depth..1             min    s1c    0
## 75                 NA_fq_Snow_depth..4             1se    s1c    0
## 76                 NA_fq_Snow_depth..4             min    s1c    0
## 77                   NA_length_days                1se    s1c    0
```

```
## 78                      NA_length_days  min  s1c  0
## 79       NA_sk_Maximum_temperature..31  1se  s1c  0
## 80       NA_sk_Maximum_temperature..31  min  s1c  0
## 81      NA_sk_Minimum_temperature...15  1se  s1c  0
## 82      NA_sk_Minimum_temperature...15  min  s1c  0
## 83     NA_sk_Precipitation_amount..0.1  1se  s1c  0
## 84     NA_sk_Precipitation_amount..0.1  min  s1c  0
## 85      NA_sk_Precipitation_amount..40  1se  s1c  0
## 86      NA_sk_Precipitation_amount..40  min  s1c  0
## 87                NA_sk_Snow_depth..1  1se  s1c  0
## 88                NA_sk_Snow_depth..1  min  s1c  0
## 89                NA_sk_Snow_depth..4  1se  s1c  0
## 90                NA_sk_Snow_depth..4  min  s1c  0
## 91                     NA_total_prec  1se  s1c  0
## 92                     NA_total_prec  min  s1c  0
## 93                        vegetative  1se  s1c  0
## 94                        vegetative  min  s1c  0
## 95               vegetative_avg_temp  1se  s1c  0
## 96               vegetative_avg_temp  min  s1c  0
## 97   vegetative_fq_Maximum_temperature..31  1se  s1c  0
## 98   vegetative_fq_Maximum_temperature..31  min  s1c  0
## 99  vegetative_fq_Precipitation_amount..0.1  1se  s1c  0
## 100 vegetative_fq_Precipitation_amount..0.1  min  s1c  0
## 101  vegetative_fq_Precipitation_amount..40  1se  s1c  0
## 102  vegetative_fq_Precipitation_amount..40  min  s1c  0
## 103           vegetative_fq_Snow_depth..1  1se  s1c  0
## 104           vegetative_fq_Snow_depth..1  min  s1c  0
## 105           vegetative_fq_Snow_depth..4  1se  s1c  0
## 106           vegetative_fq_Snow_depth..4  min  s1c  0
## 107              vegetative_length_days  1se  s1c  0
## 108              vegetative_length_days  min  s1c  0
## 109         vegetative_since_nyear_days  1se  s1c  0
## 110         vegetative_since_nyear_days  min  s1c  0
## 111  vegetative_sk_Maximum_temperature..31  1se  s1c  0
## 112  vegetative_sk_Maximum_temperature..31  min  s1c  0
## 113 vegetative_sk_Precipitation_amount..0.1  1se  s1c  0
## 114 vegetative_sk_Precipitation_amount..0.1  min  s1c  0
## 115  vegetative_sk_Precipitation_amount..40  1se  s1c  0
## 116  vegetative_sk_Precipitation_amount..40  min  s1c  0
## 117           vegetative_sk_Snow_depth..1  1se  s1c  0
## 118           vegetative_sk_Snow_depth..1  min  s1c  0
## 119           vegetative_sk_Snow_depth..4  1se  s1c  0
## 120           vegetative_sk_Snow_depth..4  min  s1c  0
## 121              vegetative_total_prec  1se  s1c  0
## 122              vegetative_total_prec  min  s1c  0
## 123                              area  1se  s1c  0.25
## 124                              area  min  s1c  0.25
## 125                    critical_events  1se  s1c  0.25
## 126                    critical_events  min  s1c  0.25
## 127                            filling  1se  s1c  0.25
## 128                            filling  min  s1c  0.25
## 129                  filling_avg_temp  1se  s1c  0.25
## 130                  filling_avg_temp  min  s1c  0.25
## 131   filling_fq_Maximum_temperature..31  1se  s1c  0.25
```

```
## 132       filling_fq_Maximum_temperature..31    min    s1c  0.25
## 133      filling_fq_Precipitation_amount..0.1    1se    s1c  0.25
## 134      filling_fq_Precipitation_amount..0.1    min    s1c  0.25
## 135       filling_fq_Precipitation_amount..40    1se    s1c  0.25
## 136       filling_fq_Precipitation_amount..40    min    s1c  0.25
## 137                 filling_fq_Snow_depth..1     1se    s1c  0.25
## 138                 filling_fq_Snow_depth..1     min    s1c  0.25
## 139                    filling_length_days       1se    s1c  0.25
## 140                    filling_length_days       min    s1c  0.25
## 141                 filling_since_nyear_days     1se    s1c  0.25
## 142                 filling_since_nyear_days     min    s1c  0.25
## 143                  filling_since_seed_days     1se    s1c  0.25
## 144                  filling_since_seed_days     min    s1c  0.25
## 145       filling_sk_Maximum_temperature..31    1se    s1c  0.25
## 146       filling_sk_Maximum_temperature..31    min    s1c  0.25
## 147      filling_sk_Precipitation_amount..0.1    1se    s1c  0.25
## 148      filling_sk_Precipitation_amount..0.1    min    s1c  0.25
## 149       filling_sk_Precipitation_amount..40    1se    s1c  0.25
## 150       filling_sk_Precipitation_amount..40    min    s1c  0.25
## 151                 filling_sk_Snow_depth..1     1se    s1c  0.25
## 152                 filling_sk_Snow_depth..1     min    s1c  0.25
## 153                     filling_total_prec       1se    s1c  0.25
## 154                     filling_total_prec       min    s1c  0.25
## 155                           generative         1se    s1c  0.25
## 156                           generative         min    s1c  0.25
## 157                     generative_avg_temp     1se    s1c  0.25
## 158                     generative_avg_temp     min    s1c  0.25
## 159   generative_fq_Maximum_temperature..31    1se    s1c  0.25
## 160   generative_fq_Maximum_temperature..31    min    s1c  0.25
## 161  generative_fq_Precipitation_amount..0.1    1se    s1c  0.25
## 162  generative_fq_Precipitation_amount..0.1    min    s1c  0.25
## 163   generative_fq_Precipitation_amount..40   1se    s1c  0.25
## 164   generative_fq_Precipitation_amount..40   min    s1c  0.25
## 165              generative_fq_Snow_depth..1    1se    s1c  0.25
## 166              generative_fq_Snow_depth..1    min    s1c  0.25
## 167                  generative_length_days    1se    s1c  0.25
## 168                  generative_length_days    min    s1c  0.25
## 169              generative_since_nyear_days   1se    s1c  0.25
## 170              generative_since_nyear_days   min    s1c  0.25
## 171               generative_since_seed_days   1se    s1c  0.25
## 172               generative_since_seed_days   min    s1c  0.25
## 173   generative_sk_Maximum_temperature..31    1se    s1c  0.25
## 174   generative_sk_Maximum_temperature..31    min    s1c  0.25
## 175  generative_sk_Precipitation_amount..0.1    1se    s1c  0.25
## 176  generative_sk_Precipitation_amount..0.1    min    s1c  0.25
## 177   generative_sk_Precipitation_amount..40   1se    s1c  0.25
## 178   generative_sk_Precipitation_amount..40   min    s1c  0.25
## 179              generative_sk_Snow_depth..1   1se    s1c  0.25
## 180              generative_sk_Snow_depth..1   min    s1c  0.25
## 181                  generative_total_prec     1se    s1c  0.25
## 182                  generative_total_prec     min    s1c  0.25
## 183                                     NA.    1se    s1c  0.25
## 184                                     NA.    min    s1c  0.25
## 185                             NA_avg_temp    1se    s1c  0.25
```

```
## 186                        NA_avg_temp    min    s1c  0.25
## 187        NA_fq_Maximum_temperature..31    1se    s1c  0.25
## 188        NA_fq_Maximum_temperature..31    min    s1c  0.25
## 189        NA_fq_Minimum_temperature...15   1se    s1c  0.25
## 190        NA_fq_Minimum_temperature...15   min    s1c  0.25
## 191        NA_fq_Precipitation_amount..0.1  1se    s1c  0.25
## 192        NA_fq_Precipitation_amount..0.1  min    s1c  0.25
## 193         NA_fq_Precipitation_amount..40  1se    s1c  0.25
## 194         NA_fq_Precipitation_amount..40  min    s1c  0.25
## 195                  NA_fq_Snow_depth..1    1se    s1c  0.25
## 196                  NA_fq_Snow_depth..1    min    s1c  0.25
## 197                  NA_fq_Snow_depth..4    1se    s1c  0.25
## 198                  NA_fq_Snow_depth..4    min    s1c  0.25
## 199                     NA_length_days     1se    s1c  0.25
## 200                     NA_length_days     min    s1c  0.25
## 201        NA_sk_Maximum_temperature..31    1se    s1c  0.25
## 202        NA_sk_Maximum_temperature..31    min    s1c  0.25
## 203        NA_sk_Minimum_temperature...15   1se    s1c  0.25
## 204        NA_sk_Minimum_temperature...15   min    s1c  0.25
## 205        NA_sk_Precipitation_amount..0.1  1se    s1c  0.25
## 206        NA_sk_Precipitation_amount..0.1  min    s1c  0.25
## 207         NA_sk_Precipitation_amount..40  1se    s1c  0.25
## 208         NA_sk_Precipitation_amount..40  min    s1c  0.25
## 209                  NA_sk_Snow_depth..1    1se    s1c  0.25
## 210                  NA_sk_Snow_depth..1    min    s1c  0.25
## 211                  NA_sk_Snow_depth..4    1se    s1c  0.25
## 212                  NA_sk_Snow_depth..4    min    s1c  0.25
## 213                      NA_total_prec     1se    s1c  0.25
## 214                      NA_total_prec     min    s1c  0.25
## 215                        vegetative     1se    s1c  0.25
## 216                        vegetative     min    s1c  0.25
## 217                   vegetative_avg_temp   1se    s1c  0.25
## 218                   vegetative_avg_temp   min    s1c  0.25
## 219  vegetative_fq_Maximum_temperature..31  1se    s1c  0.25
## 220  vegetative_fq_Maximum_temperature..31  min    s1c  0.25
## 221 vegetative_fq_Precipitation_amount..0.1 1se    s1c  0.25
## 222 vegetative_fq_Precipitation_amount..0.1 min    s1c  0.25
## 223  vegetative_fq_Precipitation_amount..40 1se    s1c  0.25
## 224  vegetative_fq_Precipitation_amount..40 min    s1c  0.25
## 225          vegetative_fq_Snow_depth..1    1se    s1c  0.25
## 226          vegetative_fq_Snow_depth..1    min    s1c  0.25
## 227          vegetative_fq_Snow_depth..4    1se    s1c  0.25
## 228          vegetative_fq_Snow_depth..4    min    s1c  0.25
## 229             vegetative_length_days     1se    s1c  0.25
## 230             vegetative_length_days     min    s1c  0.25
## 231          vegetative_since_nyear_days    1se    s1c  0.25
## 232          vegetative_since_nyear_days    min    s1c  0.25
## 233  vegetative_sk_Maximum_temperature..31  1se    s1c  0.25
## 234  vegetative_sk_Maximum_temperature..31  min    s1c  0.25
## 235 vegetative_sk_Precipitation_amount..0.1 1se    s1c  0.25
## 236 vegetative_sk_Precipitation_amount..0.1 min    s1c  0.25
## 237  vegetative_sk_Precipitation_amount..40 1se    s1c  0.25
## 238  vegetative_sk_Precipitation_amount..40 min    s1c  0.25
## 239          vegetative_sk_Snow_depth..1    1se    s1c  0.25
```

```
## 240          vegetative_sk_Snow_depth..1    min    s1c    0.25
## 241          vegetative_sk_Snow_depth..4    1se    s1c    0.25
## 242          vegetative_sk_Snow_depth..4    min    s1c    0.25
## 243              vegetative_total_prec      1se    s1c    0.25
## 244              vegetative_total_prec      min    s1c    0.25
## 245                               area      1se    s1c    0.5
## 246                               area      min    s1c    0.5
## 247                    critical_events     1se    s1c    0.5
## 248                    critical_events     min    s1c    0.5
## 249                            filling     1se    s1c    0.5
## 250                            filling     min    s1c    0.5
## 251                   filling_avg_temp     1se    s1c    0.5
## 252                   filling_avg_temp     min    s1c    0.5
## 253   filling_fq_Maximum_temperature..31    1se    s1c    0.5
## 254   filling_fq_Maximum_temperature..31    min    s1c    0.5
## 255   filling_fq_Precipitation_amount..0.1  1se    s1c    0.5
## 256   filling_fq_Precipitation_amount..0.1  min    s1c    0.5
## 257   filling_fq_Precipitation_amount..40   1se    s1c    0.5
## 258   filling_fq_Precipitation_amount..40   min    s1c    0.5
## 259           filling_fq_Snow_depth..1     1se    s1c    0.5
## 260           filling_fq_Snow_depth..1     min    s1c    0.5
## 261                filling_length_days     1se    s1c    0.5
## 262                filling_length_days     min    s1c    0.5
## 263            filling_since_nyear_days    1se    s1c    0.5
## 264            filling_since_nyear_days    min    s1c    0.5
## 265             filling_since_seed_days    1se    s1c    0.5
## 266             filling_since_seed_days    min    s1c    0.5
## 267   filling_sk_Maximum_temperature..31    1se    s1c    0.5
## 268   filling_sk_Maximum_temperature..31    min    s1c    0.5
## 269   filling_sk_Precipitation_amount..0.1  1se    s1c    0.5
## 270   filling_sk_Precipitation_amount..0.1  min    s1c    0.5
## 271   filling_sk_Precipitation_amount..40   1se    s1c    0.5
## 272   filling_sk_Precipitation_amount..40   min    s1c    0.5
## 273           filling_sk_Snow_depth..1     1se    s1c    0.5
## 274           filling_sk_Snow_depth..1     min    s1c    0.5
## 275                 filling_total_prec     1se    s1c    0.5
## 276                 filling_total_prec     min    s1c    0.5
## 277                         generative    1se    s1c    0.5
## 278                         generative    min    s1c    0.5
## 279                generative_avg_temp    1se    s1c    0.5
## 280                generative_avg_temp    min    s1c    0.5
## 281  generative_fq_Maximum_temperature..31  1se    s1c    0.5
## 282  generative_fq_Maximum_temperature..31  min    s1c    0.5
## 283  generative_fq_Precipitation_amount..0.1 1se   s1c    0.5
## 284  generative_fq_Precipitation_amount..0.1 min   s1c    0.5
## 285  generative_fq_Precipitation_amount..40  1se   s1c    0.5
## 286  generative_fq_Precipitation_amount..40  min   s1c    0.5
## 287          generative_fq_Snow_depth..1    1se    s1c    0.5
## 288          generative_fq_Snow_depth..1    min    s1c    0.5
## 289               generative_length_days    1se    s1c    0.5
## 290               generative_length_days    min    s1c    0.5
## 291           generative_since_nyear_days   1se    s1c    0.5
## 292           generative_since_nyear_days   min    s1c    0.5
## 293            generative_since_seed_days   1se    s1c    0.5
```

```
## 294             generative_since_seed_days      min   s1c   0.5
## 295      generative_sk_Maximum_temperature..31   1se   s1c   0.5
## 296      generative_sk_Maximum_temperature..31   min   s1c   0.5
## 297   generative_sk_Precipitation_amount..0.1    1se   s1c   0.5
## 298   generative_sk_Precipitation_amount..0.1    min   s1c   0.5
## 299    generative_sk_Precipitation_amount..40    1se   s1c   0.5
## 300    generative_sk_Precipitation_amount..40    min   s1c   0.5
## 301            generative_sk_Snow_depth..1       1se   s1c   0.5
## 302            generative_sk_Snow_depth..1       min   s1c   0.5
## 303               generative_total_prec          1se   s1c   0.5
## 304               generative_total_prec          min   s1c   0.5
## 305                           NA.                1se   s1c   0.5
## 306                           NA.                min   s1c   0.5
## 307                     NA_avg_temp              1se   s1c   0.5
## 308                     NA_avg_temp              min   s1c   0.5
## 309       NA_fq_Maximum_temperature..31          1se   s1c   0.5
## 310       NA_fq_Maximum_temperature..31          min   s1c   0.5
## 311       NA_fq_Minimum_temperature...15         1se   s1c   0.5
## 312       NA_fq_Minimum_temperature...15         min   s1c   0.5
## 313       NA_fq_Precipitation_amount..0.1        1se   s1c   0.5
## 314       NA_fq_Precipitation_amount..0.1        min   s1c   0.5
## 315       NA_fq_Precipitation_amount..40         1se   s1c   0.5
## 316       NA_fq_Precipitation_amount..40         min   s1c   0.5
## 317              NA_fq_Snow_depth..1             1se   s1c   0.5
## 318              NA_fq_Snow_depth..1             min   s1c   0.5
## 319              NA_fq_Snow_depth..4             1se   s1c   0.5
## 320              NA_fq_Snow_depth..4             min   s1c   0.5
## 321                  NA_length_days             1se   s1c   0.5
## 322                  NA_length_days             min   s1c   0.5
## 323       NA_sk_Maximum_temperature..31          1se   s1c   0.5
## 324       NA_sk_Maximum_temperature..31          min   s1c   0.5
## 325       NA_sk_Minimum_temperature...15         1se   s1c   0.5
## 326       NA_sk_Minimum_temperature...15         min   s1c   0.5
## 327       NA_sk_Precipitation_amount..0.1        1se   s1c   0.5
## 328       NA_sk_Precipitation_amount..0.1        min   s1c   0.5
## 329       NA_sk_Precipitation_amount..40         1se   s1c   0.5
## 330       NA_sk_Precipitation_amount..40         min   s1c   0.5
## 331              NA_sk_Snow_depth..1             1se   s1c   0.5
## 332              NA_sk_Snow_depth..1             min   s1c   0.5
## 333              NA_sk_Snow_depth..4             1se   s1c   0.5
## 334              NA_sk_Snow_depth..4             min   s1c   0.5
## 335                  NA_total_prec              1se   s1c   0.5
## 336                  NA_total_prec              min   s1c   0.5
## 337                     vegetative               1se   s1c   0.5
## 338                     vegetative               min   s1c   0.5
## 339               vegetative_avg_temp            1se   s1c   0.5
## 340               vegetative_avg_temp            min   s1c   0.5
## 341   vegetative_fq_Maximum_temperature..31     1se   s1c   0.5
## 342   vegetative_fq_Maximum_temperature..31     min   s1c   0.5
## 343  vegetative_fq_Precipitation_amount..0.1    1se   s1c   0.5
## 344  vegetative_fq_Precipitation_amount..0.1    min   s1c   0.5
## 345   vegetative_fq_Precipitation_amount..40    1se   s1c   0.5
## 346   vegetative_fq_Precipitation_amount..40    min   s1c   0.5
## 347            vegetative_fq_Snow_depth..1       1se   s1c   0.5
```

```
## 348              vegetative_fq_Snow_depth..1     min     s1c   0.5
## 349              vegetative_fq_Snow_depth..4     1se     s1c   0.5
## 350              vegetative_fq_Snow_depth..4     min     s1c   0.5
## 351                  vegetative_length_days      1se     s1c   0.5
## 352                  vegetative_length_days      min     s1c   0.5
## 353              vegetative_since_nyear_days     1se     s1c   0.5
## 354              vegetative_since_nyear_days     min     s1c   0.5
## 355  vegetative_sk_Maximum_temperature..31     1se     s1c   0.5
## 356  vegetative_sk_Maximum_temperature..31     min     s1c   0.5
## 357 vegetative_sk_Precipitation_amount..0.1    1se     s1c   0.5
## 358 vegetative_sk_Precipitation_amount..0.1    min     s1c   0.5
## 359  vegetative_sk_Precipitation_amount..40    1se     s1c   0.5
## 360  vegetative_sk_Precipitation_amount..40    min     s1c   0.5
## 361              vegetative_sk_Snow_depth..1     1se     s1c   0.5
## 362              vegetative_sk_Snow_depth..1     min     s1c   0.5
## 363              vegetative_sk_Snow_depth..4     1se     s1c   0.5
## 364              vegetative_sk_Snow_depth..4     min     s1c   0.5
## 365                  vegetative_total_prec      1se     s1c   0.5
## 366                  vegetative_total_prec      min     s1c   0.5
## 367                                    area     1se     s1c   0.75
## 368                                    area     min     s1c   0.75
## 369                         critical_events     1se     s1c   0.75
## 370                         critical_events     min     s1c   0.75
## 371                                 filling     1se     s1c   0.75
## 372                                 filling     min     s1c   0.75
## 373                       filling_avg_temp     1se     s1c   0.75
## 374                       filling_avg_temp     min     s1c   0.75
## 375   filling_fq_Maximum_temperature..31     1se     s1c   0.75
## 376   filling_fq_Maximum_temperature..31     min     s1c   0.75
## 377  filling_fq_Precipitation_amount..0.1    1se     s1c   0.75
## 378  filling_fq_Precipitation_amount..0.1    min     s1c   0.75
## 379   filling_fq_Precipitation_amount..40    1se     s1c   0.75
## 380   filling_fq_Precipitation_amount..40    min     s1c   0.75
## 381               filling_fq_Snow_depth..1     1se     s1c   0.75
## 382               filling_fq_Snow_depth..1     min     s1c   0.75
## 383                     filling_length_days     1se     s1c   0.75
## 384                     filling_length_days     min     s1c   0.75
## 385               filling_since_nyear_days     1se     s1c   0.75
## 386               filling_since_nyear_days     min     s1c   0.75
## 387                filling_since_seed_days     1se     s1c   0.75
## 388                filling_since_seed_days     min     s1c   0.75
## 389   filling_sk_Maximum_temperature..31     1se     s1c   0.75
## 390   filling_sk_Maximum_temperature..31     min     s1c   0.75
## 391  filling_sk_Precipitation_amount..0.1    1se     s1c   0.75
## 392  filling_sk_Precipitation_amount..0.1    min     s1c   0.75
## 393   filling_sk_Precipitation_amount..40    1se     s1c   0.75
## 394   filling_sk_Precipitation_amount..40    min     s1c   0.75
## 395               filling_sk_Snow_depth..1     1se     s1c   0.75
## 396               filling_sk_Snow_depth..1     min     s1c   0.75
## 397                     filling_total_prec     1se     s1c   0.75
## 398                     filling_total_prec     min     s1c   0.75
## 399                              generative     1se     s1c   0.75
## 400                              generative     min     s1c   0.75
## 401                     generative_avg_temp     1se     s1c   0.75
```

```
## 402                      generative_avg_temp   min     s1c  0.75
## 403     generative_fq_Maximum_temperature..31   1se     s1c  0.75
## 404     generative_fq_Maximum_temperature..31   min     s1c  0.75
## 405   generative_fq_Precipitation_amount..0.1   1se     s1c  0.75
## 406   generative_fq_Precipitation_amount..0.1   min     s1c  0.75
## 407    generative_fq_Precipitation_amount..40   1se     s1c  0.75
## 408    generative_fq_Precipitation_amount..40   min     s1c  0.75
## 409              generative_fq_Snow_depth..1   1se     s1c  0.75
## 410              generative_fq_Snow_depth..1   min     s1c  0.75
## 411                   generative_length_days   1se     s1c  0.75
## 412                   generative_length_days   min     s1c  0.75
## 413               generative_since_nyear_days   1se     s1c  0.75
## 414               generative_since_nyear_days   min     s1c  0.75
## 415                generative_since_seed_days   1se     s1c  0.75
## 416                generative_since_seed_days   min     s1c  0.75
## 417     generative_sk_Maximum_temperature..31   1se     s1c  0.75
## 418     generative_sk_Maximum_temperature..31   min     s1c  0.75
## 419   generative_sk_Precipitation_amount..0.1   1se     s1c  0.75
## 420   generative_sk_Precipitation_amount..0.1   min     s1c  0.75
## 421    generative_sk_Precipitation_amount..40   1se     s1c  0.75
## 422    generative_sk_Precipitation_amount..40   min     s1c  0.75
## 423              generative_sk_Snow_depth..1   1se     s1c  0.75
## 424              generative_sk_Snow_depth..1   min     s1c  0.75
## 425                   generative_total_prec    1se     s1c  0.75
## 426                   generative_total_prec    min     s1c  0.75
## 427                                      NA.   1se     s1c  0.75
## 428                                      NA.   min     s1c  0.75
## 429                              NA_avg_temp   1se     s1c  0.75
## 430                              NA_avg_temp   min     s1c  0.75
## 431             NA_fq_Maximum_temperature..31   1se     s1c  0.75
## 432             NA_fq_Maximum_temperature..31   min     s1c  0.75
## 433             NA_fq_Minimum_temperature...15   1se     s1c  0.75
## 434             NA_fq_Minimum_temperature...15   min     s1c  0.75
## 435           NA_fq_Precipitation_amount..0.1   1se     s1c  0.75
## 436           NA_fq_Precipitation_amount..0.1   min     s1c  0.75
## 437            NA_fq_Precipitation_amount..40   1se     s1c  0.75
## 438            NA_fq_Precipitation_amount..40   min     s1c  0.75
## 439                      NA_fq_Snow_depth..1   1se     s1c  0.75
## 440                      NA_fq_Snow_depth..1   min     s1c  0.75
## 441                      NA_fq_Snow_depth..4   1se     s1c  0.75
## 442                      NA_fq_Snow_depth..4   min     s1c  0.75
## 443                           NA_length_days   1se     s1c  0.75
## 444                           NA_length_days   min     s1c  0.75
## 445             NA_sk_Maximum_temperature..31   1se     s1c  0.75
## 446             NA_sk_Maximum_temperature..31   min     s1c  0.75
## 447             NA_sk_Minimum_temperature...15   1se     s1c  0.75
## 448             NA_sk_Minimum_temperature...15   min     s1c  0.75
## 449           NA_sk_Precipitation_amount..0.1   1se     s1c  0.75
## 450           NA_sk_Precipitation_amount..0.1   min     s1c  0.75
## 451            NA_sk_Precipitation_amount..40   1se     s1c  0.75
## 452            NA_sk_Precipitation_amount..40   min     s1c  0.75
## 453                      NA_sk_Snow_depth..1   1se     s1c  0.75
## 454                      NA_sk_Snow_depth..1   min     s1c  0.75
## 455                      NA_sk_Snow_depth..4   1se     s1c  0.75
```

```
## 456                 NA_sk_Snow_depth..4    min      s1c  0.75
## 457                      NA_total_prec    1se      s1c  0.75
## 458                      NA_total_prec    min      s1c  0.75
## 459                         vegetative    1se      s1c  0.75
## 460                         vegetative    min      s1c  0.75
## 461                vegetative_avg_temp    1se      s1c  0.75
## 462                vegetative_avg_temp    min      s1c  0.75
## 463  vegetative_fq_Maximum_temperature..31    1se  s1c  0.75
## 464  vegetative_fq_Maximum_temperature..31    min  s1c  0.75
## 465 vegetative_fq_Precipitation_amount..0.1  1se  s1c  0.75
## 466 vegetative_fq_Precipitation_amount..0.1  min  s1c  0.75
## 467  vegetative_fq_Precipitation_amount..40   1se  s1c  0.75
## 468  vegetative_fq_Precipitation_amount..40   min  s1c  0.75
## 469           vegetative_fq_Snow_depth..1    1se  s1c  0.75
## 470           vegetative_fq_Snow_depth..1    min  s1c  0.75
## 471           vegetative_fq_Snow_depth..4    1se  s1c  0.75
## 472           vegetative_fq_Snow_depth..4    min  s1c  0.75
## 473              vegetative_length_days    1se      s1c  0.75
## 474              vegetative_length_days    min      s1c  0.75
## 475          vegetative_since_nyear_days    1se    s1c  0.75
## 476          vegetative_since_nyear_days    min    s1c  0.75
## 477  vegetative_sk_Maximum_temperature..31    1se  s1c  0.75
## 478  vegetative_sk_Maximum_temperature..31    min  s1c  0.75
## 479 vegetative_sk_Precipitation_amount..0.1  1se  s1c  0.75
## 480 vegetative_sk_Precipitation_amount..0.1  min  s1c  0.75
## 481  vegetative_sk_Precipitation_amount..40   1se  s1c  0.75
## 482  vegetative_sk_Precipitation_amount..40   min  s1c  0.75
## 483           vegetative_sk_Snow_depth..1    1se  s1c  0.75
## 484           vegetative_sk_Snow_depth..1    min  s1c  0.75
## 485           vegetative_sk_Snow_depth..4    1se  s1c  0.75
## 486           vegetative_sk_Snow_depth..4    min  s1c  0.75
## 487              vegetative_total_prec    1se      s1c  0.75
## 488              vegetative_total_prec    min      s1c  0.75
## 489                               area    1se      s1c     1
## 490                               area    min      s1c     1
## 491                    critical_events    1se      s1c     1
## 492                    critical_events    min      s1c     1
## 493                            filling    1se      s1c     1
## 494                            filling    min      s1c     1
## 495                   filling_avg_temp    1se      s1c     1
## 496                   filling_avg_temp    min      s1c     1
## 497    filling_fq_Maximum_temperature..31    1se  s1c     1
## 498    filling_fq_Maximum_temperature..31    min  s1c     1
## 499   filling_fq_Precipitation_amount..0.1   1se  s1c     1
## 500   filling_fq_Precipitation_amount..0.1   min  s1c     1
## 501    filling_fq_Precipitation_amount..40   1se  s1c     1
## 502    filling_fq_Precipitation_amount..40   min  s1c     1
## 503             filling_fq_Snow_depth..1    1se  s1c     1
## 504             filling_fq_Snow_depth..1    min  s1c     1
## 505                 filling_length_days    1se      s1c     1
## 506                 filling_length_days    min      s1c     1
## 507             filling_since_nyear_days    1se    s1c     1
## 508             filling_since_nyear_days    min    s1c     1
## 509              filling_since_seed_days    1se    s1c     1
```

```
## 510                 filling_since_seed_days    min    s1c    1
## 511        filling_sk_Maximum_temperature..31    1se    s1c    1
## 512        filling_sk_Maximum_temperature..31    min    s1c    1
## 513       filling_sk_Precipitation_amount..0.1   1se    s1c    1
## 514       filling_sk_Precipitation_amount..0.1   min    s1c    1
## 515        filling_sk_Precipitation_amount..40   1se    s1c    1
## 516        filling_sk_Precipitation_amount..40   min    s1c    1
## 517                 filling_sk_Snow_depth..1     1se    s1c    1
## 518                 filling_sk_Snow_depth..1     min    s1c    1
## 519                      filling_total_prec      1se    s1c    1
## 520                      filling_total_prec      min    s1c    1
## 521                           generative         1se    s1c    1
## 522                           generative         min    s1c    1
## 523                     generative_avg_temp      1se    s1c    1
## 524                     generative_avg_temp      min    s1c    1
## 525     generative_fq_Maximum_temperature..31    1se    s1c    1
## 526     generative_fq_Maximum_temperature..31    min    s1c    1
## 527    generative_fq_Precipitation_amount..0.1   1se    s1c    1
## 528    generative_fq_Precipitation_amount..0.1   min    s1c    1
## 529     generative_fq_Precipitation_amount..40   1se    s1c    1
## 530     generative_fq_Precipitation_amount..40   min    s1c    1
## 531              generative_fq_Snow_depth..1     1se    s1c    1
## 532              generative_fq_Snow_depth..1     min    s1c    1
## 533                 generative_length_days       1se    s1c    1
## 534                 generative_length_days       min    s1c    1
## 535               generative_since_nyear_days    1se    s1c    1
## 536               generative_since_nyear_days    min    s1c    1
## 537                generative_since_seed_days   1se    s1c    1
## 538                generative_since_seed_days   min    s1c    1
## 539     generative_sk_Maximum_temperature..31    1se    s1c    1
## 540     generative_sk_Maximum_temperature..31    min    s1c    1
## 541    generative_sk_Precipitation_amount..0.1   1se    s1c    1
## 542    generative_sk_Precipitation_amount..0.1   min    s1c    1
## 543     generative_sk_Precipitation_amount..40   1se    s1c    1
## 544     generative_sk_Precipitation_amount..40   min    s1c    1
## 545              generative_sk_Snow_depth..1     1se    s1c    1
## 546              generative_sk_Snow_depth..1     min    s1c    1
## 547                 generative_total_prec        1se    s1c    1
## 548                 generative_total_prec        min    s1c    1
## 549                               NA.            1se    s1c    1
## 550                               NA.            min    s1c    1
## 551                          NA_avg_temp         1se    s1c    1
## 552                          NA_avg_temp         min    s1c    1
## 553            NA_fq_Maximum_temperature..31     1se    s1c    1
## 554            NA_fq_Maximum_temperature..31     min    s1c    1
## 555            NA_fq_Minimum_temperature...15    1se    s1c    1
## 556            NA_fq_Minimum_temperature...15    min    s1c    1
## 557           NA_fq_Precipitation_amount..0.1   1se    s1c    1
## 558           NA_fq_Precipitation_amount..0.1   min    s1c    1
## 559            NA_fq_Precipitation_amount..40   1se    s1c    1
## 560            NA_fq_Precipitation_amount..40   min    s1c    1
## 561                    NA_fq_Snow_depth..1      1se    s1c    1
## 562                    NA_fq_Snow_depth..1      min    s1c    1
## 563                    NA_fq_Snow_depth..4      1se    s1c    1
```

```
## 564                    NA_fq_Snow_depth..4    min    s1c    1
## 565                        NA_length_days     1se    s1c    1
## 566                        NA_length_days     min    s1c    1
## 567          NA_sk_Maximum_temperature..31    1se    s1c    1
## 568          NA_sk_Maximum_temperature..31    min    s1c    1
## 569         NA_sk_Minimum_temperature...15    1se    s1c    1
## 570         NA_sk_Minimum_temperature...15    min    s1c    1
## 571        NA_sk_Precipitation_amount..0.1    1se    s1c    1
## 572        NA_sk_Precipitation_amount..0.1    min    s1c    1
## 573         NA_sk_Precipitation_amount..40    1se    s1c    1
## 574         NA_sk_Precipitation_amount..40    min    s1c    1
## 575                     NA_sk_Snow_depth..1    1se    s1c    1
## 576                     NA_sk_Snow_depth..1    min    s1c    1
## 577                     NA_sk_Snow_depth..4    1se    s1c    1
## 578                     NA_sk_Snow_depth..4    min    s1c    1
## 579                          NA_total_prec    1se    s1c    1
## 580                          NA_total_prec    min    s1c    1
## 581                             vegetative    1se    s1c    1
## 582                             vegetative    min    s1c    1
## 583                    vegetative_avg_temp    1se    s1c    1
## 584                    vegetative_avg_temp    min    s1c    1
## 585    vegetative_fq_Maximum_temperature..31    1se    s1c    1
## 586    vegetative_fq_Maximum_temperature..31    min    s1c    1
## 587  vegetative_fq_Precipitation_amount..0.1    1se    s1c    1
## 588  vegetative_fq_Precipitation_amount..0.1    min    s1c    1
## 589   vegetative_fq_Precipitation_amount..40    1se    s1c    1
## 590   vegetative_fq_Precipitation_amount..40    min    s1c    1
## 591            vegetative_fq_Snow_depth..1    1se    s1c    1
## 592            vegetative_fq_Snow_depth..1    min    s1c    1
## 593            vegetative_fq_Snow_depth..4    1se    s1c    1
## 594            vegetative_fq_Snow_depth..4    min    s1c    1
## 595                 vegetative_length_days    1se    s1c    1
## 596                 vegetative_length_days    min    s1c    1
## 597            vegetative_since_nyear_days    1se    s1c    1
## 598            vegetative_since_nyear_days    min    s1c    1
## 599    vegetative_sk_Maximum_temperature..31    1se    s1c    1
## 600    vegetative_sk_Maximum_temperature..31    min    s1c    1
## 601  vegetative_sk_Precipitation_amount..0.1    1se    s1c    1
## 602  vegetative_sk_Precipitation_amount..0.1    min    s1c    1
## 603   vegetative_sk_Precipitation_amount..40    1se    s1c    1
## 604   vegetative_sk_Precipitation_amount..40    min    s1c    1
## 605            vegetative_sk_Snow_depth..1    1se    s1c    1
## 606            vegetative_sk_Snow_depth..1    min    s1c    1
## 607            vegetative_sk_Snow_depth..4    1se    s1c    1
## 608            vegetative_sk_Snow_depth..4    min    s1c    1
## 609                   vegetative_total_prec    1se    s1c    1
## 610                   vegetative_total_prec    min    s1c    1
## 611                                   area    1se    stc    0
## 612                                   area    min    stc    0
## 613                        critical_events    1se    stc    0
## 614                        critical_events    min    stc    0
## 615                                filling    1se    stc    0
## 616                                filling    min    stc    0
## 617                        filling_avg_temp    1se    stc    0
```

```
## 618                       filling_avg_temp   min     stc    0
## 619        filling_fq_Maximum_temperature..31   1se     stc    0
## 620        filling_fq_Maximum_temperature..31   min     stc    0
## 621      filling_fq_Precipitation_amount..0.1   1se     stc    0
## 622      filling_fq_Precipitation_amount..0.1   min     stc    0
## 623       filling_fq_Precipitation_amount..40   1se     stc    0
## 624       filling_fq_Precipitation_amount..40   min     stc    0
## 625              filling_fq_Snow_depth..1   1se     stc    0
## 626              filling_fq_Snow_depth..1   min     stc    0
## 627                  filling_length_days   1se     stc    0
## 628                  filling_length_days   min     stc    0
## 629              filling_since_nyear_days   1se     stc    0
## 630              filling_since_nyear_days   min     stc    0
## 631               filling_since_seed_days   1se     stc    0
## 632               filling_since_seed_days   min     stc    0
## 633        filling_sk_Maximum_temperature..31   1se     stc    0
## 634        filling_sk_Maximum_temperature..31   min     stc    0
## 635      filling_sk_Precipitation_amount..0.1   1se     stc    0
## 636      filling_sk_Precipitation_amount..0.1   min     stc    0
## 637       filling_sk_Precipitation_amount..40   1se     stc    0
## 638       filling_sk_Precipitation_amount..40   min     stc    0
## 639              filling_sk_Snow_depth..1   1se     stc    0
## 640              filling_sk_Snow_depth..1   min     stc    0
## 641                   filling_total_prec   1se     stc    0
## 642                   filling_total_prec   min     stc    0
## 643                          generative   1se     stc    0
## 644                          generative   min     stc    0
## 645                   generative_avg_temp   1se     stc    0
## 646                   generative_avg_temp   min     stc    0
## 647     generative_fq_Maximum_temperature..31   1se     stc    0
## 648     generative_fq_Maximum_temperature..31   min     stc    0
## 649   generative_fq_Precipitation_amount..0.1   1se     stc    0
## 650   generative_fq_Precipitation_amount..0.1   min     stc    0
## 651    generative_fq_Precipitation_amount..40   1se     stc    0
## 652    generative_fq_Precipitation_amount..40   min     stc    0
## 653           generative_fq_Snow_depth..1   1se     stc    0
## 654           generative_fq_Snow_depth..1   min     stc    0
## 655               generative_length_days   1se     stc    0
## 656               generative_length_days   min     stc    0
## 657           generative_since_nyear_days   1se     stc    0
## 658           generative_since_nyear_days   min     stc    0
## 659            generative_since_seed_days   1se     stc    0
## 660            generative_since_seed_days   min     stc    0
## 661     generative_sk_Maximum_temperature..31   1se     stc    0
## 662     generative_sk_Maximum_temperature..31   min     stc    0
## 663   generative_sk_Precipitation_amount..0.1   1se     stc    0
## 664   generative_sk_Precipitation_amount..0.1   min     stc    0
## 665    generative_sk_Precipitation_amount..40   1se     stc    0
## 666    generative_sk_Precipitation_amount..40   min     stc    0
## 667           generative_sk_Snow_depth..1   1se     stc    0
## 668           generative_sk_Snow_depth..1   min     stc    0
## 669                generative_total_prec   1se     stc    0
## 670                generative_total_prec   min     stc    0
## 671                                 NA.   1se     stc    0
```

```
## 672                                 NA.   min      stc      0
## 673                        NA_avg_temp   1se      stc      0
## 674                        NA_avg_temp   min      stc      0
## 675       NA_fq_Maximum_temperature..31   1se      stc      0
## 676       NA_fq_Maximum_temperature..31   min      stc      0
## 677      NA_fq_Minimum_temperature...15   1se      stc      0
## 678      NA_fq_Minimum_temperature...15   min      stc      0
## 679     NA_fq_Precipitation_amount..0.1   1se      stc      0
## 680     NA_fq_Precipitation_amount..0.1   min      stc      0
## 681      NA_fq_Precipitation_amount..40   1se      stc      0
## 682      NA_fq_Precipitation_amount..40   min      stc      0
## 683                NA_fq_Snow_depth..1   1se      stc      0
## 684                NA_fq_Snow_depth..1   min      stc      0
## 685                NA_fq_Snow_depth..4   1se      stc      0
## 686                NA_fq_Snow_depth..4   min      stc      0
## 687                     NA_length_days   1se      stc      0
## 688                     NA_length_days   min      stc      0
## 689       NA_sk_Maximum_temperature..31   1se      stc      0
## 690       NA_sk_Maximum_temperature..31   min      stc      0
## 691      NA_sk_Minimum_temperature...15   1se      stc      0
## 692      NA_sk_Minimum_temperature...15   min      stc      0
## 693     NA_sk_Precipitation_amount..0.1   1se      stc      0
## 694     NA_sk_Precipitation_amount..0.1   min      stc      0
## 695      NA_sk_Precipitation_amount..40   1se      stc      0
## 696      NA_sk_Precipitation_amount..40   min      stc      0
## 697                NA_sk_Snow_depth..1   1se      stc      0
## 698                NA_sk_Snow_depth..1   min      stc      0
## 699                NA_sk_Snow_depth..4   1se      stc      0
## 700                NA_sk_Snow_depth..4   min      stc      0
## 701                      NA_total_prec   1se      stc      0
## 702                      NA_total_prec   min      stc      0
## 703                         vegetative   1se      stc      0
## 704                         vegetative   min      stc      0
## 705                vegetative_avg_temp   1se      stc      0
## 706                vegetative_avg_temp   min      stc      0
## 707  vegetative_fq_Maximum_temperature..31   1se      stc      0
## 708  vegetative_fq_Maximum_temperature..31   min      stc      0
## 709 vegetative_fq_Precipitation_amount..0.1   1se      stc      0
## 710 vegetative_fq_Precipitation_amount..0.1   min      stc      0
## 711  vegetative_fq_Precipitation_amount..40   1se      stc      0
## 712  vegetative_fq_Precipitation_amount..40   min      stc      0
## 713        vegetative_fq_Snow_depth..1   1se      stc      0
## 714        vegetative_fq_Snow_depth..1   min      stc      0
## 715        vegetative_fq_Snow_depth..4   1se      stc      0
## 716        vegetative_fq_Snow_depth..4   min      stc      0
## 717             vegetative_length_days   1se      stc      0
## 718             vegetative_length_days   min      stc      0
## 719        vegetative_since_nyear_days   1se      stc      0
## 720        vegetative_since_nyear_days   min      stc      0
## 721  vegetative_sk_Maximum_temperature..31   1se      stc      0
## 722  vegetative_sk_Maximum_temperature..31   min      stc      0
## 723 vegetative_sk_Precipitation_amount..0.1   1se      stc      0
## 724 vegetative_sk_Precipitation_amount..0.1   min      stc      0
## 725  vegetative_sk_Precipitation_amount..40   1se      stc      0
```

```
## 726       vegetative_sk_Precipitation_amount..40      min      stc      0
## 727              vegetative_sk_Snow_depth..1      1se      stc      0
## 728              vegetative_sk_Snow_depth..1      min      stc      0
## 729              vegetative_sk_Snow_depth..4      1se      stc      0
## 730              vegetative_sk_Snow_depth..4      min      stc      0
## 731                   vegetative_total_prec      1se      stc      0
## 732                   vegetative_total_prec      min      stc      0
## 733                                    area      1se      stc   0.25
## 734                                    area      min      stc   0.25
## 735                         critical_events      1se      stc   0.25
## 736                         critical_events      min      stc   0.25
## 737                                 filling      1se      stc   0.25
## 738                                 filling      min      stc   0.25
## 739                        filling_avg_temp      1se      stc   0.25
## 740                        filling_avg_temp      min      stc   0.25
## 741     filling_fq_Maximum_temperature..31      1se      stc   0.25
## 742     filling_fq_Maximum_temperature..31      min      stc   0.25
## 743    filling_fq_Precipitation_amount..0.1      1se      stc   0.25
## 744    filling_fq_Precipitation_amount..0.1      min      stc   0.25
## 745     filling_fq_Precipitation_amount..40      1se      stc   0.25
## 746     filling_fq_Precipitation_amount..40      min      stc   0.25
## 747                 filling_fq_Snow_depth..1      1se      stc   0.25
## 748                 filling_fq_Snow_depth..1      min      stc   0.25
## 749                     filling_length_days      1se      stc   0.25
## 750                     filling_length_days      min      stc   0.25
## 751                 filling_since_nyear_days      1se      stc   0.25
## 752                 filling_since_nyear_days      min      stc   0.25
## 753                  filling_since_seed_days      1se      stc   0.25
## 754                  filling_since_seed_days      min      stc   0.25
## 755     filling_sk_Maximum_temperature..31      1se      stc   0.25
## 756     filling_sk_Maximum_temperature..31      min      stc   0.25
## 757    filling_sk_Precipitation_amount..0.1      1se      stc   0.25
## 758    filling_sk_Precipitation_amount..0.1      min      stc   0.25
## 759     filling_sk_Precipitation_amount..40      1se      stc   0.25
## 760     filling_sk_Precipitation_amount..40      min      stc   0.25
## 761                 filling_sk_Snow_depth..1      1se      stc   0.25
## 762                 filling_sk_Snow_depth..1      min      stc   0.25
## 763                      filling_total_prec      1se      stc   0.25
## 764                      filling_total_prec      min      stc   0.25
## 765                              generative      1se      stc   0.25
## 766                              generative      min      stc   0.25
## 767                     generative_avg_temp      1se      stc   0.25
## 768                     generative_avg_temp      min      stc   0.25
## 769  generative_fq_Maximum_temperature..31      1se      stc   0.25
## 770  generative_fq_Maximum_temperature..31      min      stc   0.25
## 771 generative_fq_Precipitation_amount..0.1      1se      stc   0.25
## 772 generative_fq_Precipitation_amount..0.1      min      stc   0.25
## 773  generative_fq_Precipitation_amount..40      1se      stc   0.25
## 774  generative_fq_Precipitation_amount..40      min      stc   0.25
## 775              generative_fq_Snow_depth..1      1se      stc   0.25
## 776              generative_fq_Snow_depth..1      min      stc   0.25
## 777                  generative_length_days      1se      stc   0.25
## 778                  generative_length_days      min      stc   0.25
## 779              generative_since_nyear_days      1se      stc   0.25
```

```
## 780            generative_since_nyear_days    min    stc   0.25
## 781            generative_since_seed_days     1se    stc   0.25
## 782            generative_since_seed_days     min    stc   0.25
## 783   generative_sk_Maximum_temperature..31   1se    stc   0.25
## 784   generative_sk_Maximum_temperature..31   min    stc   0.25
## 785  generative_sk_Precipitation_amount..0.1  1se    stc   0.25
## 786  generative_sk_Precipitation_amount..0.1  min    stc   0.25
## 787  generative_sk_Precipitation_amount..40   1se    stc   0.25
## 788  generative_sk_Precipitation_amount..40   min    stc   0.25
## 789            generative_sk_Snow_depth..1    1se    stc   0.25
## 790            generative_sk_Snow_depth..1    min    stc   0.25
## 791                  generative_total_prec    1se    stc   0.25
## 792                  generative_total_prec    min    stc   0.25
## 793                                    NA.    1se    stc   0.25
## 794                                    NA.    min    stc   0.25
## 795                            NA_avg_temp    1se    stc   0.25
## 796                            NA_avg_temp    min    stc   0.25
## 797       NA_fq_Maximum_temperature..31      1se    stc   0.25
## 798       NA_fq_Maximum_temperature..31      min    stc   0.25
## 799       NA_fq_Minimum_temperature...15     1se    stc   0.25
## 800       NA_fq_Minimum_temperature...15     min    stc   0.25
## 801      NA_fq_Precipitation_amount..0.1     1se    stc   0.25
## 802      NA_fq_Precipitation_amount..0.1     min    stc   0.25
## 803       NA_fq_Precipitation_amount..40     1se    stc   0.25
## 804       NA_fq_Precipitation_amount..40     min    stc   0.25
## 805                   NA_fq_Snow_depth..1    1se    stc   0.25
## 806                   NA_fq_Snow_depth..1    min    stc   0.25
## 807                   NA_fq_Snow_depth..4    1se    stc   0.25
## 808                   NA_fq_Snow_depth..4    min    stc   0.25
## 809                        NA_length_days    1se    stc   0.25
## 810                        NA_length_days    min    stc   0.25
## 811       NA_sk_Maximum_temperature..31      1se    stc   0.25
## 812       NA_sk_Maximum_temperature..31      min    stc   0.25
## 813       NA_sk_Minimum_temperature...15     1se    stc   0.25
## 814       NA_sk_Minimum_temperature...15     min    stc   0.25
## 815      NA_sk_Precipitation_amount..0.1     1se    stc   0.25
## 816      NA_sk_Precipitation_amount..0.1     min    stc   0.25
## 817       NA_sk_Precipitation_amount..40     1se    stc   0.25
## 818       NA_sk_Precipitation_amount..40     min    stc   0.25
## 819                   NA_sk_Snow_depth..1    1se    stc   0.25
## 820                   NA_sk_Snow_depth..1    min    stc   0.25
## 821                   NA_sk_Snow_depth..4    1se    stc   0.25
## 822                   NA_sk_Snow_depth..4    min    stc   0.25
## 823                          NA_total_prec   1se    stc   0.25
## 824                          NA_total_prec   min    stc   0.25
## 825                             vegetative   1se    stc   0.25
## 826                             vegetative   min    stc   0.25
## 827                    vegetative_avg_temp   1se    stc   0.25
## 828                    vegetative_avg_temp   min    stc   0.25
## 829   vegetative_fq_Maximum_temperature..31  1se    stc   0.25
## 830   vegetative_fq_Maximum_temperature..31  min    stc   0.25
## 831  vegetative_fq_Precipitation_amount..0.1 1se    stc   0.25
## 832  vegetative_fq_Precipitation_amount..0.1 min    stc   0.25
## 833  vegetative_fq_Precipitation_amount..40  1se    stc   0.25
```

```
## 834        vegetative_fq_Precipitation_amount..40      min        stc   0.25
## 835                     vegetative_fq_Snow_depth..1     1se        stc   0.25
## 836                     vegetative_fq_Snow_depth..1     min        stc   0.25
## 837                     vegetative_fq_Snow_depth..4     1se        stc   0.25
## 838                     vegetative_fq_Snow_depth..4     min        stc   0.25
## 839                        vegetative_length_days       1se        stc   0.25
## 840                        vegetative_length_days       min        stc   0.25
## 841                     vegetative_since_nyear_days     1se        stc   0.25
## 842                     vegetative_since_nyear_days     min        stc   0.25
## 843  vegetative_sk_Maximum_temperature..31             1se        stc   0.25
## 844  vegetative_sk_Maximum_temperature..31             min        stc   0.25
## 845 vegetative_sk_Precipitation_amount..0.1            1se        stc   0.25
## 846 vegetative_sk_Precipitation_amount..0.1            min        stc   0.25
## 847  vegetative_sk_Precipitation_amount..40            1se        stc   0.25
## 848  vegetative_sk_Precipitation_amount..40            min        stc   0.25
## 849                     vegetative_sk_Snow_depth..1     1se        stc   0.25
## 850                     vegetative_sk_Snow_depth..1     min        stc   0.25
## 851                     vegetative_sk_Snow_depth..4     1se        stc   0.25
## 852                     vegetative_sk_Snow_depth..4     min        stc   0.25
## 853                        vegetative_total_prec       1se        stc   0.25
## 854                        vegetative_total_prec       min        stc   0.25
## 855                                          area      1se        stc    0.5
## 856                                          area      min        stc    0.5
## 857                               critical_events      1se        stc    0.5
## 858                               critical_events      min        stc    0.5
## 859                                       filling      1se        stc    0.5
## 860                                       filling      min        stc    0.5
## 861                              filling_avg_temp      1se        stc    0.5
## 862                              filling_avg_temp      min        stc    0.5
## 863     filling_fq_Maximum_temperature..31           1se        stc    0.5
## 864     filling_fq_Maximum_temperature..31           min        stc    0.5
## 865     filling_fq_Precipitation_amount..0.1         1se        stc    0.5
## 866     filling_fq_Precipitation_amount..0.1         min        stc    0.5
## 867      filling_fq_Precipitation_amount..40         1se        stc    0.5
## 868      filling_fq_Precipitation_amount..40         min        stc    0.5
## 869                       filling_fq_Snow_depth..1    1se        stc    0.5
## 870                       filling_fq_Snow_depth..1    min        stc    0.5
## 871                           filling_length_days     1se        stc    0.5
## 872                           filling_length_days     min        stc    0.5
## 873                        filling_since_nyear_days   1se        stc    0.5
## 874                        filling_since_nyear_days   min        stc    0.5
## 875                        filling_since_seed_days    1se        stc    0.5
## 876                        filling_since_seed_days    min        stc    0.5
## 877     filling_sk_Maximum_temperature..31           1se        stc    0.5
## 878     filling_sk_Maximum_temperature..31           min        stc    0.5
## 879     filling_sk_Precipitation_amount..0.1         1se        stc    0.5
## 880     filling_sk_Precipitation_amount..0.1         min        stc    0.5
## 881      filling_sk_Precipitation_amount..40         1se        stc    0.5
## 882      filling_sk_Precipitation_amount..40         min        stc    0.5
## 883                       filling_sk_Snow_depth..1    1se        stc    0.5
## 884                       filling_sk_Snow_depth..1    min        stc    0.5
## 885                           filling_total_prec      1se        stc    0.5
## 886                           filling_total_prec      min        stc    0.5
## 887                                    generative     1se        stc    0.5
```

```
## 888                        generative   min   stc   0.5
## 889              generative_avg_temp    1se   stc   0.5
## 890              generative_avg_temp    min   stc   0.5
## 891  generative_fq_Maximum_temperature..31   1se   stc   0.5
## 892  generative_fq_Maximum_temperature..31   min   stc   0.5
## 893  generative_fq_Precipitation_amount..0.1   1se   stc   0.5
## 894  generative_fq_Precipitation_amount..0.1   min   stc   0.5
## 895   generative_fq_Precipitation_amount..40   1se   stc   0.5
## 896   generative_fq_Precipitation_amount..40   min   stc   0.5
## 897         generative_fq_Snow_depth..1   1se   stc   0.5
## 898         generative_fq_Snow_depth..1   min   stc   0.5
## 899            generative_length_days    1se   stc   0.5
## 900            generative_length_days    min   stc   0.5
## 901         generative_since_nyear_days    1se   stc   0.5
## 902         generative_since_nyear_days    min   stc   0.5
## 903          generative_since_seed_days    1se   stc   0.5
## 904          generative_since_seed_days    min   stc   0.5
## 905  generative_sk_Maximum_temperature..31   1se   stc   0.5
## 906  generative_sk_Maximum_temperature..31   min   stc   0.5
## 907  generative_sk_Precipitation_amount..0.1   1se   stc   0.5
## 908  generative_sk_Precipitation_amount..0.1   min   stc   0.5
## 909   generative_sk_Precipitation_amount..40   1se   stc   0.5
## 910   generative_sk_Precipitation_amount..40   min   stc   0.5
## 911         generative_sk_Snow_depth..1   1se   stc   0.5
## 912         generative_sk_Snow_depth..1   min   stc   0.5
## 913             generative_total_prec    1se   stc   0.5
## 914             generative_total_prec    min   stc   0.5
## 915                              NA.    1se   stc   0.5
## 916                              NA.    min   stc   0.5
## 917                      NA_avg_temp    1se   stc   0.5
## 918                      NA_avg_temp    min   stc   0.5
## 919         NA_fq_Maximum_temperature..31   1se   stc   0.5
## 920         NA_fq_Maximum_temperature..31   min   stc   0.5
## 921         NA_fq_Minimum_temperature...15   1se   stc   0.5
## 922         NA_fq_Minimum_temperature...15   min   stc   0.5
## 923         NA_fq_Precipitation_amount..0.1   1se   stc   0.5
## 924         NA_fq_Precipitation_amount..0.1   min   stc   0.5
## 925          NA_fq_Precipitation_amount..40   1se   stc   0.5
## 926          NA_fq_Precipitation_amount..40   min   stc   0.5
## 927                NA_fq_Snow_depth..1   1se   stc   0.5
## 928                NA_fq_Snow_depth..1   min   stc   0.5
## 929                NA_fq_Snow_depth..4   1se   stc   0.5
## 930                NA_fq_Snow_depth..4   min   stc   0.5
## 931                   NA_length_days    1se   stc   0.5
## 932                   NA_length_days    min   stc   0.5
## 933         NA_sk_Maximum_temperature..31   1se   stc   0.5
## 934         NA_sk_Maximum_temperature..31   min   stc   0.5
## 935         NA_sk_Minimum_temperature...15   1se   stc   0.5
## 936         NA_sk_Minimum_temperature...15   min   stc   0.5
## 937         NA_sk_Precipitation_amount..0.1   1se   stc   0.5
## 938         NA_sk_Precipitation_amount..0.1   min   stc   0.5
## 939          NA_sk_Precipitation_amount..40   1se   stc   0.5
## 940          NA_sk_Precipitation_amount..40   min   stc   0.5
## 941                NA_sk_Snow_depth..1   1se   stc   0.5
```

```
## 942                 NA_sk_Snow_depth..1   min   stc   0.5
## 943                 NA_sk_Snow_depth..4   1se   stc   0.5
## 944                 NA_sk_Snow_depth..4   min   stc   0.5
## 945                      NA_total_prec   1se   stc   0.5
## 946                      NA_total_prec   min   stc   0.5
## 947                         vegetative   1se   stc   0.5
## 948                         vegetative   min   stc   0.5
## 949                vegetative_avg_temp   1se   stc   0.5
## 950                vegetative_avg_temp   min   stc   0.5
## 951  vegetative_fq_Maximum_temperature..31   1se   stc   0.5
## 952  vegetative_fq_Maximum_temperature..31   min   stc   0.5
## 953  vegetative_fq_Precipitation_amount..0.1   1se   stc   0.5
## 954  vegetative_fq_Precipitation_amount..0.1   min   stc   0.5
## 955  vegetative_fq_Precipitation_amount..40   1se   stc   0.5
## 956  vegetative_fq_Precipitation_amount..40   min   stc   0.5
## 957            vegetative_fq_Snow_depth..1   1se   stc   0.5
## 958            vegetative_fq_Snow_depth..1   min   stc   0.5
## 959            vegetative_fq_Snow_depth..4   1se   stc   0.5
## 960            vegetative_fq_Snow_depth..4   min   stc   0.5
## 961             vegetative_length_days   1se   stc   0.5
## 962             vegetative_length_days   min   stc   0.5
## 963          vegetative_since_nyear_days   1se   stc   0.5
## 964          vegetative_since_nyear_days   min   stc   0.5
## 965  vegetative_sk_Maximum_temperature..31   1se   stc   0.5
## 966  vegetative_sk_Maximum_temperature..31   min   stc   0.5
## 967  vegetative_sk_Precipitation_amount..0.1   1se   stc   0.5
## 968  vegetative_sk_Precipitation_amount..0.1   min   stc   0.5
## 969  vegetative_sk_Precipitation_amount..40   1se   stc   0.5
## 970  vegetative_sk_Precipitation_amount..40   min   stc   0.5
## 971            vegetative_sk_Snow_depth..1   1se   stc   0.5
## 972            vegetative_sk_Snow_depth..1   min   stc   0.5
## 973            vegetative_sk_Snow_depth..4   1se   stc   0.5
## 974            vegetative_sk_Snow_depth..4   min   stc   0.5
## 975             vegetative_total_prec   1se   stc   0.5
## 976             vegetative_total_prec   min   stc   0.5
## 977                               area   1se   stc   0.75
## 978                               area   min   stc   0.75
## 979                     critical_events   1se   stc   0.75
## 980                     critical_events   min   stc   0.75
## 981                            filling   1se   stc   0.75
## 982                            filling   min   stc   0.75
## 983                   filling_avg_temp   1se   stc   0.75
## 984                   filling_avg_temp   min   stc   0.75
## 985     filling_fq_Maximum_temperature..31   1se   stc   0.75
## 986     filling_fq_Maximum_temperature..31   min   stc   0.75
## 987   filling_fq_Precipitation_amount..0.1   1se   stc   0.75
## 988   filling_fq_Precipitation_amount..0.1   min   stc   0.75
## 989    filling_fq_Precipitation_amount..40   1se   stc   0.75
## 990    filling_fq_Precipitation_amount..40   min   stc   0.75
## 991            filling_fq_Snow_depth..1   1se   stc   0.75
## 992            filling_fq_Snow_depth..1   min   stc   0.75
## 993                filling_length_days   1se   stc   0.75
## 994                filling_length_days   min   stc   0.75
## 995             filling_since_nyear_days   1se   stc   0.75
```

```
## 996              filling_since_nyear_days       min       stc   0.75
## 997              filling_since_seed_days        1se       stc   0.75
## 998              filling_since_seed_days        min       stc   0.75
## 999     filling_sk_Maximum_temperature..31      1se       stc   0.75
## 1000    filling_sk_Maximum_temperature..31      min       stc   0.75
## 1001    filling_sk_Precipitation_amount..0.1    1se       stc   0.75
## 1002    filling_sk_Precipitation_amount..0.1    min       stc   0.75
## 1003    filling_sk_Precipitation_amount..40     1se       stc   0.75
## 1004    filling_sk_Precipitation_amount..40     min       stc   0.75
## 1005              filling_sk_Snow_depth..1       1se       stc   0.75
## 1006              filling_sk_Snow_depth..1       min       stc   0.75
## 1007                   filling_total_prec        1se       stc   0.75
## 1008                   filling_total_prec        min       stc   0.75
## 1009                        generative           1se       stc   0.75
## 1010                        generative           min       stc   0.75
## 1011                   generative_avg_temp       1se       stc   0.75
## 1012                   generative_avg_temp       min       stc   0.75
## 1013  generative_fq_Maximum_temperature..31     1se       stc   0.75
## 1014  generative_fq_Maximum_temperature..31     min       stc   0.75
## 1015 generative_fq_Precipitation_amount..0.1    1se       stc   0.75
## 1016 generative_fq_Precipitation_amount..0.1    min       stc   0.75
## 1017  generative_fq_Precipitation_amount..40    1se       stc   0.75
## 1018  generative_fq_Precipitation_amount..40    min       stc   0.75
## 1019            generative_fq_Snow_depth..1     1se       stc   0.75
## 1020            generative_fq_Snow_depth..1     min       stc   0.75
## 1021                generative_length_days      1se       stc   0.75
## 1022                generative_length_days      min       stc   0.75
## 1023             generative_since_nyear_days    1se       stc   0.75
## 1024             generative_since_nyear_days    min       stc   0.75
## 1025             generative_since_seed_days     1se       stc   0.75
## 1026             generative_since_seed_days     min       stc   0.75
## 1027  generative_sk_Maximum_temperature..31     1se       stc   0.75
## 1028  generative_sk_Maximum_temperature..31     min       stc   0.75
## 1029 generative_sk_Precipitation_amount..0.1    1se       stc   0.75
## 1030 generative_sk_Precipitation_amount..0.1    min       stc   0.75
## 1031  generative_sk_Precipitation_amount..40    1se       stc   0.75
## 1032  generative_sk_Precipitation_amount..40    min       stc   0.75
## 1033            generative_sk_Snow_depth..1     1se       stc   0.75
## 1034            generative_sk_Snow_depth..1     min       stc   0.75
## 1035                generative_total_prec       1se       stc   0.75
## 1036                generative_total_prec       min       stc   0.75
## 1037                             NA.            1se       stc   0.75
## 1038                             NA.            min       stc   0.75
## 1039                        NA_avg_temp         1se       stc   0.75
## 1040                        NA_avg_temp         min       stc   0.75
## 1041        NA_fq_Maximum_temperature..31       1se       stc   0.75
## 1042        NA_fq_Maximum_temperature..31       min       stc   0.75
## 1043        NA_fq_Minimum_temperature...15      1se       stc   0.75
## 1044        NA_fq_Minimum_temperature...15      min       stc   0.75
## 1045        NA_fq_Precipitation_amount..0.1     1se       stc   0.75
## 1046        NA_fq_Precipitation_amount..0.1     min       stc   0.75
## 1047         NA_fq_Precipitation_amount..40     1se       stc   0.75
## 1048         NA_fq_Precipitation_amount..40     min       stc   0.75
## 1049                NA_fq_Snow_depth..1         1se       stc   0.75
```

```
## 1050                 NA_fq_Snow_depth..1   min   stc  0.75
## 1051                 NA_fq_Snow_depth..4   1se   stc  0.75
## 1052                 NA_fq_Snow_depth..4   min   stc  0.75
## 1053                     NA_length_days   1se   stc  0.75
## 1054                     NA_length_days   min   stc  0.75
## 1055       NA_sk_Maximum_temperature..31   1se   stc  0.75
## 1056       NA_sk_Maximum_temperature..31   min   stc  0.75
## 1057      NA_sk_Minimum_temperature...15   1se   stc  0.75
## 1058      NA_sk_Minimum_temperature...15   min   stc  0.75
## 1059     NA_sk_Precipitation_amount..0.1   1se   stc  0.75
## 1060     NA_sk_Precipitation_amount..0.1   min   stc  0.75
## 1061      NA_sk_Precipitation_amount..40   1se   stc  0.75
## 1062      NA_sk_Precipitation_amount..40   min   stc  0.75
## 1063                 NA_sk_Snow_depth..1   1se   stc  0.75
## 1064                 NA_sk_Snow_depth..1   min   stc  0.75
## 1065                 NA_sk_Snow_depth..4   1se   stc  0.75
## 1066                 NA_sk_Snow_depth..4   min   stc  0.75
## 1067                       NA_total_prec   1se   stc  0.75
## 1068                       NA_total_prec   min   stc  0.75
## 1069                          vegetative   1se   stc  0.75
## 1070                          vegetative   min   stc  0.75
## 1071                 vegetative_avg_temp   1se   stc  0.75
## 1072                 vegetative_avg_temp   min   stc  0.75
## 1073  vegetative_fq_Maximum_temperature..31   1se   stc  0.75
## 1074  vegetative_fq_Maximum_temperature..31   min   stc  0.75
## 1075 vegetative_fq_Precipitation_amount..0.1   1se   stc  0.75
## 1076 vegetative_fq_Precipitation_amount..0.1   min   stc  0.75
## 1077  vegetative_fq_Precipitation_amount..40   1se   stc  0.75
## 1078  vegetative_fq_Precipitation_amount..40   min   stc  0.75
## 1079          vegetative_fq_Snow_depth..1   1se   stc  0.75
## 1080          vegetative_fq_Snow_depth..1   min   stc  0.75
## 1081          vegetative_fq_Snow_depth..4   1se   stc  0.75
## 1082          vegetative_fq_Snow_depth..4   min   stc  0.75
## 1083               vegetative_length_days   1se   stc  0.75
## 1084               vegetative_length_days   min   stc  0.75
## 1085           vegetative_since_nyear_days   1se   stc  0.75
## 1086           vegetative_since_nyear_days   min   stc  0.75
## 1087  vegetative_sk_Maximum_temperature..31   1se   stc  0.75
## 1088  vegetative_sk_Maximum_temperature..31   min   stc  0.75
## 1089 vegetative_sk_Precipitation_amount..0.1   1se   stc  0.75
## 1090 vegetative_sk_Precipitation_amount..0.1   min   stc  0.75
## 1091  vegetative_sk_Precipitation_amount..40   1se   stc  0.75
## 1092  vegetative_sk_Precipitation_amount..40   min   stc  0.75
## 1093          vegetative_sk_Snow_depth..1   1se   stc  0.75
## 1094          vegetative_sk_Snow_depth..1   min   stc  0.75
## 1095          vegetative_sk_Snow_depth..4   1se   stc  0.75
## 1096          vegetative_sk_Snow_depth..4   min   stc  0.75
## 1097               vegetative_total_prec   1se   stc  0.75
## 1098               vegetative_total_prec   min   stc  0.75
## 1099                                area   1se   stc     1
## 1100                                area   min   stc     1
## 1101                      critical_events   1se   stc     1
## 1102                      critical_events   min   stc     1
## 1103                             filling   1se   stc     1
```

```
## 1104                              filling   min      stc   1
## 1105                     filling_avg_temp   1se      stc   1
## 1106                     filling_avg_temp   min      stc   1
## 1107   filling_fq_Maximum_temperature..31   1se      stc   1
## 1108   filling_fq_Maximum_temperature..31   min      stc   1
## 1109   filling_fq_Precipitation_amount..0.1 1se      stc   1
## 1110   filling_fq_Precipitation_amount..0.1 min      stc   1
## 1111   filling_fq_Precipitation_amount..40  1se      stc   1
## 1112   filling_fq_Precipitation_amount..40  min      stc   1
## 1113           filling_fq_Snow_depth..1     1se      stc   1
## 1114           filling_fq_Snow_depth..1     min      stc   1
## 1115              filling_length_days       1se      stc   1
## 1116              filling_length_days       min      stc   1
## 1117           filling_since_nyear_days     1se      stc   1
## 1118           filling_since_nyear_days     min      stc   1
## 1119           filling_since_seed_days      1se      stc   1
## 1120           filling_since_seed_days      min      stc   1
## 1121   filling_sk_Maximum_temperature..31   1se      stc   1
## 1122   filling_sk_Maximum_temperature..31   min      stc   1
## 1123   filling_sk_Precipitation_amount..0.1 1se      stc   1
## 1124   filling_sk_Precipitation_amount..0.1 min      stc   1
## 1125   filling_sk_Precipitation_amount..40  1se      stc   1
## 1126   filling_sk_Precipitation_amount..40  min      stc   1
## 1127           filling_sk_Snow_depth..1     1se      stc   1
## 1128           filling_sk_Snow_depth..1     min      stc   1
## 1129              filling_total_prec        1se      stc   1
## 1130              filling_total_prec        min      stc   1
## 1131                           generative   1se      stc   1
## 1132                           generative   min      stc   1
## 1133                  generative_avg_temp   1se      stc   1
## 1134                  generative_avg_temp   min      stc   1
## 1135   generative_fq_Maximum_temperature..31    1se  stc   1
## 1136   generative_fq_Maximum_temperature..31    min  stc   1
## 1137 generative_fq_Precipitation_amount..0.1    1se  stc   1
## 1138 generative_fq_Precipitation_amount..0.1    min  stc   1
## 1139  generative_fq_Precipitation_amount..40    1se  stc   1
## 1140  generative_fq_Precipitation_amount..40    min  stc   1
## 1141           generative_fq_Snow_depth..1      1se  stc   1
## 1142           generative_fq_Snow_depth..1      min  stc   1
## 1143              generative_length_days        1se  stc   1
## 1144              generative_length_days        min  stc   1
## 1145           generative_since_nyear_days      1se  stc   1
## 1146           generative_since_nyear_days      min  stc   1
## 1147           generative_since_seed_days       1se  stc   1
## 1148           generative_since_seed_days       min  stc   1
## 1149   generative_sk_Maximum_temperature..31    1se  stc   1
## 1150   generative_sk_Maximum_temperature..31    min  stc   1
## 1151 generative_sk_Precipitation_amount..0.1    1se  stc   1
## 1152 generative_sk_Precipitation_amount..0.1    min  stc   1
## 1153  generative_sk_Precipitation_amount..40    1se  stc   1
## 1154  generative_sk_Precipitation_amount..40    min  stc   1
## 1155           generative_sk_Snow_depth..1      1se  stc   1
## 1156           generative_sk_Snow_depth..1      min  stc   1
## 1157              generative_total_prec         1se  stc   1
```

```
## 1158                  generative_total_prec    min      stc     1
## 1159                                     NA.    1se      stc     1
## 1160                                     NA.    min      stc     1
## 1161                             NA_avg_temp    1se      stc     1
## 1162                             NA_avg_temp    min      stc     1
## 1163        NA_fq_Maximum_temperature..31    1se      stc     1
## 1164        NA_fq_Maximum_temperature..31    min      stc     1
## 1165        NA_fq_Minimum_temperature...15   1se      stc     1
## 1166        NA_fq_Minimum_temperature...15   min      stc     1
## 1167        NA_fq_Precipitation_amount..0.1  1se      stc     1
## 1168        NA_fq_Precipitation_amount..0.1  min      stc     1
## 1169        NA_fq_Precipitation_amount..40   1se      stc     1
## 1170        NA_fq_Precipitation_amount..40   min      stc     1
## 1171                   NA_fq_Snow_depth..1   1se      stc     1
## 1172                   NA_fq_Snow_depth..1   min      stc     1
## 1173                   NA_fq_Snow_depth..4   1se      stc     1
## 1174                   NA_fq_Snow_depth..4   min      stc     1
## 1175                        NA_length_days   1se      stc     1
## 1176                        NA_length_days   min      stc     1
## 1177        NA_sk_Maximum_temperature..31    1se      stc     1
## 1178        NA_sk_Maximum_temperature..31    min      stc     1
## 1179        NA_sk_Minimum_temperature...15   1se      stc     1
## 1180        NA_sk_Minimum_temperature...15   min      stc     1
## 1181        NA_sk_Precipitation_amount..0.1  1se      stc     1
## 1182        NA_sk_Precipitation_amount..0.1  min      stc     1
## 1183        NA_sk_Precipitation_amount..40   1se      stc     1
## 1184        NA_sk_Precipitation_amount..40   min      stc     1
## 1185                   NA_sk_Snow_depth..1   1se      stc     1
## 1186                   NA_sk_Snow_depth..1   min      stc     1
## 1187                   NA_sk_Snow_depth..4   1se      stc     1
## 1188                   NA_sk_Snow_depth..4   min      stc     1
## 1189                         NA_total_prec   1se      stc     1
## 1190                         NA_total_prec   min      stc     1
## 1191                            vegetative   1se      stc     1
## 1192                            vegetative   min      stc     1
## 1193                   vegetative_avg_temp   1se      stc     1
## 1194                   vegetative_avg_temp   min      stc     1
## 1195   vegetative_fq_Maximum_temperature..31   1se      stc     1
## 1196   vegetative_fq_Maximum_temperature..31   min      stc     1
## 1197 vegetative_fq_Precipitation_amount..0.1  1se      stc     1
## 1198 vegetative_fq_Precipitation_amount..0.1  min      stc     1
## 1199  vegetative_fq_Precipitation_amount..40   1se      stc     1
## 1200  vegetative_fq_Precipitation_amount..40   min      stc     1
## 1201          vegetative_fq_Snow_depth..1   1se      stc     1
## 1202          vegetative_fq_Snow_depth..1   min      stc     1
## 1203          vegetative_fq_Snow_depth..4   1se      stc     1
## 1204          vegetative_fq_Snow_depth..4   min      stc     1
## 1205                 vegetative_length_days   1se      stc     1
## 1206                 vegetative_length_days   min      stc     1
## 1207            vegetative_since_nyear_days   1se      stc     1
## 1208            vegetative_since_nyear_days   min      stc     1
## 1209   vegetative_sk_Maximum_temperature..31   1se      stc     1
## 1210   vegetative_sk_Maximum_temperature..31   min      stc     1
## 1211 vegetative_sk_Precipitation_amount..0.1  1se      stc     1
```

```
## 1212 vegetative_sk_Precipitation_amount..0.1    min        stc    1
## 1213  vegetative_sk_Precipitation_amount..40    1se        stc    1
## 1214  vegetative_sk_Precipitation_amount..40    min        stc    1
## 1215                 vegetative_sk_Snow_depth..1  1se        stc    1
## 1216                 vegetative_sk_Snow_depth..1  min        stc    1
## 1217                 vegetative_sk_Snow_depth..4  1se        stc    1
## 1218                 vegetative_sk_Snow_depth..4  min        stc    1
## 1219                    vegetative_total_prec    1se        stc    1
## 1220                    vegetative_total_prec    min        stc    1
##      value
## 1        0
## 2        0
## 3      -13
## 4       -9
## 5       -3
## 6        4
## 7        1
## 8        1
## 9        2
## 10     -17
## 11     -10
## 12     -18
## 13      -1
## 14      -3
## 15     -16
## 16      -8
## 17       1
## 18      -3
## 19      -9
## 20      -9
## 21      35
## 22      29
## 23       2
## 24      -1
## 25      -9
## 26     -10
## 27      -3
## 28      -3
## 29      -7
## 30       0
## 31       2
## 32       1
## 33      -6
## 34     -14
## 35       2
## 36      -1
## 37      -8
## 38      -5
## 39     -10
## 40       6
## 41      14
## 42      16
## 43      33
## 44      19
```

```
## 45       7
## 46      12
## 47      -2
## 48      -5
## 49       5
## 50       5
## 51      -8
## 52      -2
## 53      14
## 54       3
## 55      -1
## 56      -4
## 57       2
## 58      14
## 59       1
## 60      13
## 61      -2
## 62      -2
## 63      -4
## 64       1
## 65      27
## 66      27
## 67     -39
## 68     -31
## 69       0
## 70      -3
## 71       0
## 72      -2
## 73      11
## 74      40
## 75      -3
## 76      -4
## 77       4
## 78     -13
## 79      -5
## 80      -6
## 81      -2
## 82      -9
## 83      -9
## 84     -10
## 85      -7
## 86     -12
## 87       0
## 88       1
## 89      -2
## 90       5
## 91       4
## 92       6
## 93      -4
## 94      -5
## 95       7
## 96       3
## 97      -6
## 98      -3
```

```
## 99       19
## 100      11
## 101      -1
## 102      -1
## 103      16
## 104      -2
## 105      -4
## 106      -3
## 107      -3
## 108       2
## 109       1
## 110       3
## 111       0
## 112       7
## 113      -2
## 114       2
## 115      -6
## 116      -7
## 117     -12
## 118     -10
## 119       2
## 120       1
## 121       5
## 122       3
## 123       0
## 124       0
## 125       0
## 126       0
## 127       0
## 128       5
## 129       0
## 130       2
## 131       0
## 132       0
## 133       0
## 134       0
## 135       0
## 136      -3
## 137       0
## 138       0
## 139       0
## 140       8
## 141       0
## 142       0
## 143       0
## 144     -38
## 145      -1
## 146     -17
## 147       0
## 148       0
## 149       0
## 150       0
## 151       0
## 152      14
```

```
## 153      -1
## 154      -2
## 155       0
## 156       0
## 157       0
## 158       1
## 159       0
## 160      -4
## 161       0
## 162      28
## 163      -2
## 164       3
## 165      -2
## 166       0
## 167       2
## 168      -4
## 169       0
## 170       0
## 171       0
## 172       0
## 173       0
## 174       0
## 175       0
## 176       0
## 177      -2
## 178      -6
## 179       0
## 180      -4
## 181       0
## 182      -3
## 183       0
## 184       1
## 185      -1
## 186       0
## 187       2
## 188       9
## 189       0
## 190       0
## 191      -2
## 192      -8
## 193       0
## 194      20
## 195       1
## 196       5
## 197       2
## 198      -5
## 199       0
## 200       0
## 201       2
## 202      -2
## 203       0
## 204      -5
## 205       0
## 206      -3
```

```
## 207       0
## 208      21
## 209       0
## 210       2
## 211       0
## 212      38
## 213       1
## 214      -1
## 215       0
## 216       0
## 217       0
## 218       0
## 219       0
## 220      24
## 221       0
## 222      16
## 223       0
## 224      -3
## 225       0
## 226       0
## 227       0
## 228       0
## 229       0
## 230       0
## 231       1
## 232       1
## 233       0
## 234      23
## 235       0
## 236      -2
## 237       0
## 238      -5
## 239       0
## 240       0
## 241       0
## 242       0
## 243       0
## 244      -1
## 245       0
## 246       0
## 247       0
## 248       0
## 249       0
## 250       6
## 251       0
## 252       0
## 253       0
## 254       0
## 255       0
## 256       0
## 257       0
## 258      -1
## 259       0
## 260       0
```

```
## 261     0
## 262    -4
## 263     0
## 264     0
## 265     2
## 266     0
## 267    42
## 268    -7
## 269     0
## 270     0
## 271     0
## 272     0
## 273     0
## 274    -3
## 275     1
## 276     4
## 277     0
## 278     0
## 279     0
## 280     2
## 281     0
## 282    -1
## 283     0
## 284    -1
## 285    43
## 286    14
## 287    -6
## 288    -2
## 289    -1
## 290    -2
## 291     0
## 292     0
## 293     0
## 294     0
## 295     0
## 296     0
## 297     0
## 298    -2
## 299    44
## 300    -5
## 301    -1
## 302    -1
## 303     0
## 304     3
## 305     0
## 306    -2
## 307     1
## 308     0
## 309    45
## 310     9
## 311     0
## 312     0
## 313    -3
## 314    -7
```

```
## 315      0
## 316      0
## 317      3
## 318     12
## 319      1
## 320     -7
## 321      0
## 322      0
## 323     46
## 324      2
## 325      0
## 326      0
## 327      0
## 328     -7
## 329      0
## 330     -3
## 331      0
## 332     -2
## 333      0
## 334      2
## 335     49
## 336      3
## 337      0
## 338      0
## 339      0
## 340      0
## 341      0
## 342     -3
## 343      0
## 344      1
## 345      0
## 346     -3
## 347      0
## 348      0
## 349      0
## 350      0
## 351      0
## 352      0
## 353      1
## 354      2
## 355      0
## 356      4
## 357      0
## 358     -2
## 359      0
## 360      0
## 361      0
## 362      0
## 363      0
## 364      0
## 365      0
## 366      1
## 367      0
## 368      0
```

```
## 369       0
## 370       0
## 371       0
## 372     -32
## 373       0
## 374     -56
## 375       0
## 376       0
## 377       0
## 378       0
## 379       0
## 380       1
## 381       0
## 382     -53
## 383       0
## 384     -43
## 385       0
## 386       0
## 387      51
## 388      16
## 389       0
## 390       8
## 391       0
## 392       0
## 393       0
## 394       0
## 395       0
## 396     -37
## 397       1
## 398       4
## 399       0
## 400       0
## 401       2
## 402       1
## 403       0
## 404     -41
## 405       0
## 406       0
## 407      46
## 408      11
## 409      -5
## 410       0
## 411      -3
## 412       0
## 413       0
## 414       0
## 415       0
## 416       0
## 417       0
## 418     -31
## 419       0
## 420     -34
## 421      44
## 422       8
```

```
## 423        -7
## 424         0
## 425         1
## 426         7
## 427         0
## 428       -54
## 429         2
## 430         1
## 431        47
## 432        14
## 433         0
## 434         0
## 435        -4
## 436        -2
## 437         0
## 438         0
## 439        52
## 440         3
## 441         0
## 442        49
## 443         0
## 444         0
## 445        45
## 446         6
## 447         0
## 448         0
## 449         0
## 450       -46
## 451         0
## 452         0
## 453         0
## 454       -51
## 455         0
## 456         0
## 457        50
## 458         3
## 459         0
## 460         0
## 461         0
## 462         0
## 463         0
## 464         0
## 465         0
## 466       -47
## 467         0
## 468       -30
## 469         0
## 470         0
## 471         0
## 472         0
## 473         0
## 474         0
## 475         0
## 476         1
```

```
## 477      0
## 478      0
## 479      0
## 480      1
## 481      0
## 482    -29
## 483      0
## 484      0
## 485      0
## 486      0
## 487      0
## 488     -3
## 489      0
## 490      0
## 491      0
## 492      0
## 493      0
## 494      0
## 495      0
## 496      2
## 497      0
## 498      0
## 499      0
## 500      0
## 501      0
## 502     -1
## 503      0
## 504      1
## 505      0
## 506     26
## 507      0
## 508      0
## 509      0
## 510     -3
## 511      0
## 512     -2
## 513      0
## 514      0
## 515      0
## 516      0
## 517      0
## 518     -1
## 519    -52
## 520     -1
## 521      0
## 522      0
## 523      1
## 524      0
## 525      0
## 526     -1
## 527      0
## 528      0
## 529      0
## 530      4
```

```
## 531       0
## 532       0
## 533       1
## 534       0
## 535       0
## 536       0
## 537       0
## 538       0
## 539       0
## 540      -1
## 541       0
## 542       1
## 543       0
## 544      -2
## 545       0
## 546       0
## 547       0
## 548       1
## 549       0
## 550      -3
## 551       1
## 552       1
## 553       0
## 554       4
## 555       0
## 556       0
## 557      -4
## 558      -6
## 559       0
## 560       0
## 561       0
## 562       7
## 563       1
## 564       0
## 565       0
## 566       0
## 567       0
## 568       3
## 569       0
## 570       0
## 571       0
## 572      -7
## 573       0
## 574       0
## 575       0
## 576      -2
## 577       0
## 578      30
## 579       0
## 580       1
## 581       0
## 582       0
## 583       0
## 584       0
```

```
## 585      0
## 586     32
## 587      0
## 588      2
## 589      0
## 590      0
## 591      0
## 592      0
## 593      0
## 594      0
## 595      0
## 596      0
## 597      1
## 598      1
## 599      0
## 600     28
## 601      0
## 602     -2
## 603      0
## 604     -3
## 605      0
## 606      0
## 607      0
## 608      0
## 609      0
## 610      1
## 611      0
## 612      0
## 613    -10
## 614     -4
## 615     -5
## 616     16
## 617      1
## 618      1
## 619      3
## 620    -16
## 621    -12
## 622    -15
## 623     -1
## 624     -3
## 625    -18
## 626     -9
## 627     -4
## 628     -3
## 629     -9
## 630    -11
## 631     33
## 632     24
## 633      2
## 634     -2
## 635     -6
## 636     -8
## 637     -2
## 638     -2
```

```
## 639      -1
## 640       7
## 641       2
## 642       1
## 643      -6
## 644     -15
## 645      -1
## 646      -1
## 647      -6
## 648      -3
## 649       4
## 650       0
## 651       3
## 652       5
## 653      20
## 654      13
## 655       7
## 656      10
## 657      -1
## 658      -4
## 659      -6
## 660      -7
## 661       1
## 662       3
## 663       0
## 664      -2
## 665      -2
## 666      -7
## 667       0
## 668       7
## 669       0
## 670      12
## 671      -2
## 672      -2
## 673      -4
## 674       1
## 675      25
## 676      29
## 677     -39
## 678     -31
## 679       0
## 680      -3
## 681       3
## 682       1
## 683       9
## 684      31
## 685      -3
## 686      -4
## 687      -2
## 688     -13
## 689      -3
## 690      -7
## 691      -2
## 692      -9
```

```
## 693      -14
## 694      -11
## 695       -2
## 696       -5
## 697        0
## 698        1
## 699        6
## 700       16
## 701        4
## 702        6
## 703       -2
## 704       -3
## 705       16
## 706        5
## 707       -5
## 708       -1
## 709       23
## 710        9
## 711       -2
## 712       -3
## 713       16
## 714       -1
## 715        2
## 716       -1
## 717        1
## 718       11
## 719        5
## 720        8
## 721       -3
## 722        1
## 723        0
## 724        2
## 725       -4
## 726       -5
## 727      -11
## 728       -8
## 729       -1
## 730       -1
## 731        3
## 732        0
## 733        0
## 734        0
## 735        0
## 736        0
## 737        0
## 738        0
## 739        0
## 740        3
## 741       -1
## 742        0
## 743        0
## 744        0
## 745        0
## 746       -4
```

```
## 747       0
## 748       1
## 749       0
## 750       8
## 751       0
## 752       0
## 753       0
## 754     -31
## 755      -2
## 756     -15
## 757       0
## 758       0
## 759       0
## 760       0
## 761       0
## 762      14
## 763       0
## 764      -2
## 765       0
## 766       0
## 767       0
## 768       0
## 769       0
## 770      -2
## 771       0
## 772      28
## 773      -3
## 774      -3
## 775      -2
## 776       2
## 777       4
## 778      -2
## 779       0
## 780       0
## 781       0
## 782       0
## 783       0
## 784       0
## 785       0
## 786       0
## 787       2
## 788      -7
## 789       0
## 790      -4
## 791      -3
## 792      -3
## 793       0
## 794       0
## 795       0
## 796       0
## 797       1
## 798       9
## 799       0
## 800       0
```

```
## 801     -2
## 802     -8
## 803      0
## 804     20
## 805      0
## 806      3
## 807      1
## 808     -5
## 809      0
## 810      0
## 811      1
## 812     -5
## 813      0
## 814     -1
## 815      0
## 816     -1
## 817      0
## 818     21
## 819      0
## 820      4
## 821      0
## 822     38
## 823      3
## 824     -1
## 825      0
## 826      0
## 827      0
## 828      0
## 829      0
## 830     24
## 831      0
## 832     13
## 833      0
## 834     -3
## 835      0
## 836      0
## 837      0
## 838      0
## 839      0
## 840      0
## 841      1
## 842      2
## 843      0
## 844     23
## 845      0
## 846     -2
## 847      0
## 848     -5
## 849      0
## 850      0
## 851      0
## 852      0
## 853      0
## 854     -4
```

```
## 855       0
## 856       0
## 857       0
## 858       0
## 859       0
## 860      -2
## 861       0
## 862       0
## 863       0
## 864       0
## 865       0
## 866       0
## 867       0
## 868      -2
## 869       0
## 870      -1
## 871       0
## 872      -2
## 873       0
## 874       0
## 875       4
## 876       0
## 877      42
## 878      -6
## 879       0
## 880       0
## 881       0
## 882       0
## 883       0
## 884      -3
## 885       0
## 886       3
## 887       0
## 888       0
## 889       0
## 890       2
## 891       0
## 892      -2
## 893       0
## 894       0
## 895      43
## 896      12
## 897      -6
## 898      -2
## 899       1
## 900      -2
## 901       0
## 902       0
## 903       0
## 904       0
## 905       0
## 906       0
## 907       0
## 908      -2
```

```
## 909       44
## 910       -2
## 911       -1
## 912       -2
## 913        1
## 914        4
## 915        0
## 916       -1
## 917        1
## 918        0
## 919       45
## 920        8
## 921        0
## 922        0
## 923       -3
## 924       -7
## 925        0
## 926        0
## 927       -1
## 928       13
## 929        1
## 930       -7
## 931        0
## 932        0
## 933       46
## 934        2
## 935        0
## 936        0
## 937        0
## 938       -6
## 939        0
## 940        2
## 941        0
## 942       -2
## 943        0
## 944        1
## 945       49
## 946        1
## 947        0
## 948        0
## 949        0
## 950        0
## 951        0
## 952       -1
## 953        0
## 954        1
## 955        0
## 956        1
## 957        0
## 958        0
## 959        0
## 960        0
## 961        0
## 962        0
```

```
## 963       1
## 964       2
## 965       0
## 966       2
## 967       0
## 968      -2
## 969       0
## 970       0
## 971       0
## 972       0
## 973       0
## 974       0
## 975       0
## 976       0
## 977       0
## 978       0
## 979       0
## 980       0
## 981       0
## 982     -33
## 983       0
## 984     -56
## 985       0
## 986       0
## 987       0
## 988       0
## 989       0
## 990       0
## 991       0
## 992     -55
## 993       0
## 994     -47
## 995       0
## 996       0
## 997      51
## 998      17
## 999       0
## 1000      7
## 1001      0
## 1002      0
## 1003      0
## 1004      0
## 1005      0
## 1006    -38
## 1007      1
## 1008      3
## 1009      0
## 1010      0
## 1011      2
## 1012      2
## 1013      0
## 1014    -39
## 1015      0
## 1016      0
```

```
## 1017     46
## 1018     12
## 1019     -5
## 1020      0
## 1021     -3
## 1022      0
## 1023      0
## 1024      0
## 1025      0
## 1026      0
## 1027      0
## 1028    -35
## 1029      0
## 1030    -31
## 1031     44
## 1032     12
## 1033     -7
## 1034      0
## 1035      1
## 1036      6
## 1037      0
## 1038    -54
## 1039      2
## 1040      0
## 1041     47
## 1042     11
## 1043      0
## 1044      0
## 1045     -4
## 1046     -2
## 1047      0
## 1048      0
## 1049     52
## 1050      2
## 1051      0
## 1052     49
## 1053      0
## 1054      0
## 1055     45
## 1056      5
## 1057      0
## 1058      0
## 1059      0
## 1060    -46
## 1061      0
## 1062      0
## 1063      0
## 1064    -52
## 1065      0
## 1066      0
## 1067     50
## 1068      5
## 1069      0
## 1070      0
```

```
## 1071        0
## 1072        0
## 1073        0
## 1074        0
## 1075        0
## 1076      -44
## 1077        0
## 1078      -30
## 1079        0
## 1080        0
## 1081        0
## 1082        0
## 1083        0
## 1084        0
## 1085        0
## 1086        3
## 1087        0
## 1088        0
## 1089        0
## 1090        2
## 1091        0
## 1092      -29
## 1093        0
## 1094        0
## 1095        0
## 1096        0
## 1097        0
## 1098        0
## 1099        0
## 1100        0
## 1101        0
## 1102        0
## 1103        0
## 1104       -2
## 1105        0
## 1106        2
## 1107        0
## 1108        0
## 1109        0
## 1110        0
## 1111        0
## 1112       -1
## 1113        0
## 1114        1
## 1115        0
## 1116       26
## 1117        0
## 1118        0
## 1119        0
## 1120       -3
## 1121        0
## 1122       -2
## 1123        0
## 1124        0
```

```
## 1125      0
## 1126      0
## 1127      0
## 1128     -3
## 1129    -52
## 1130      0
## 1131      0
## 1132      0
## 1133      1
## 1134      2
## 1135      0
## 1136     -3
## 1137      0
## 1138      0
## 1139      0
## 1140      6
## 1141      0
## 1142      0
## 1143      1
## 1144      0
## 1145      0
## 1146      0
## 1147      0
## 1148      0
## 1149      0
## 1150     -2
## 1151      0
## 1152      2
## 1153      0
## 1154     -2
## 1155      0
## 1156      0
## 1157      0
## 1158      2
## 1159      0
## 1160     -3
## 1161      1
## 1162     -1
## 1163      0
## 1164      7
## 1165      0
## 1166      0
## 1167     -4
## 1168     -6
## 1169      0
## 1170      0
## 1171      0
## 1172      7
## 1173      1
## 1174      0
## 1175      0
## 1176      0
## 1177      0
## 1178      3
```

```
## 1179         0
## 1180         0
## 1181         0
## 1182        -7
## 1183         0
## 1184         0
## 1185         0
## 1186        -2
## 1187         0
## 1188        30
## 1189         0
## 1190         1
## 1191         0
## 1192         0
## 1193         0
## 1194         0
## 1195         0
## 1196        32
## 1197         0
## 1198         2
## 1199         0
## 1200        -1
## 1201         0
## 1202         0
## 1203         0
## 1204         0
## 1205         0
## 1206         0
## 1207         1
## 1208         1
## 1209         0
## 1210        28
## 1211         0
## 1212        -3
## 1213         0
## 1214        -3
## 1215         0
## 1216         0
## 1217         0
## 1218         0
## 1219         0
## 1220         2
```

Comparison of differences between S1 and COEF ranks

Comparison of differences between ST and COEF ranks

Examination of rank variance along elasticnet method (alpha)

Dataset overview

```
##                              Variable lambda method alpha rank
## 1                      filling_avg_temp    min    coef  0.00    2
```

```
## 2               filling_fq_Maximum_temperature..31   min   coef   0.00   45
## 3               filling_fq_Precipitation_amount..0.1   min   coef   0.00   59
## 4                filling_fq_Precipitation_amount..40   min   coef   0.00   14
## 5                         filling_fq_Snow_depth..1   min   coef   0.00   22
## 6                            filling_length_days   min   coef   0.00   24
## 7                         filling_since_nyear_days   min   coef   0.00   34
## 8                          filling_since_seed_days   min   coef   0.00   26
## 9               filling_sk_Maximum_temperature..31   min   coef   0.00   17
## 10              filling_sk_Precipitation_amount..0.1   min   coef   0.00   48
## 11               filling_sk_Precipitation_amount..40   min   coef   0.00   29
## 12                        filling_sk_Snow_depth..1   min   coef   0.00   31
## 13                           filling_total_prec   min   coef   0.00   11
## 14                           generative_avg_temp   min   coef   0.00   10
## 15          generative_fq_Maximum_temperature..31   min   coef   0.00   37
## 16          generative_fq_Precipitation_amount..0.1   min   coef   0.00   46
## 17           generative_fq_Precipitation_amount..40   min   coef   0.00   40
## 18                     generative_fq_Snow_depth..1   min   coef   0.00   20
## 19                        generative_length_days   min   coef   0.00   21
## 20                     generative_since_nyear_days   min   coef   0.00   18
## 21                      generative_since_seed_days   min   coef   0.00   42
## 22          generative_sk_Maximum_temperature..31   min   coef   0.00   36
## 23          generative_sk_Precipitation_amount..0.1   min   coef   0.00   51
## 24           generative_sk_Precipitation_amount..40   min   coef   0.00   39
## 25                     generative_sk_Snow_depth..1   min   coef   0.00   23
## 26                        generative_total_prec   min   coef   0.00   35
## 27                             NA_avg_temp   min   coef   0.00    3
## 28               NA_fq_Maximum_temperature..31   min   coef   0.00   32
## 29               NA_fq_Minimum_temperature...15   min   coef   0.00   38
## 30               NA_fq_Precipitation_amount..0.1   min   coef   0.00    5
## 31                NA_fq_Precipitation_amount..40   min   coef   0.00   55
## 32                         NA_fq_Snow_depth..1   min   coef   0.00    6
## 33                         NA_fq_Snow_depth..4   min   coef   0.00    9
## 34                            NA_length_days   min   coef   0.00   49
## 35               NA_sk_Maximum_temperature..31   min   coef   0.00   33
## 36               NA_sk_Minimum_temperature...15   min   coef   0.00   27
## 37               NA_sk_Precipitation_amount..0.1   min   coef   0.00   30
## 38                NA_sk_Precipitation_amount..40   min   coef   0.00   56
## 39                         NA_sk_Snow_depth..1   min   coef   0.00    7
## 40                         NA_sk_Snow_depth..4   min   coef   0.00   25
## 41                             NA_total_prec   min   coef   0.00    4
## 42                           vegetative_avg_temp   min   coef   0.00   19
## 43          vegetative_fq_Maximum_temperature..31   min   coef   0.00   54
## 44          vegetative_fq_Precipitation_amount..0.1   min   coef   0.00   13
## 45           vegetative_fq_Precipitation_amount..40   min   coef   0.00   58
## 46                     vegetative_fq_Snow_depth..1   min   coef   0.00   44
## 47                     vegetative_fq_Snow_depth..4   min   coef   0.00   61
## 48                        vegetative_length_days   min   coef   0.00   47
## 49                     vegetative_since_nyear_days   min   coef   0.00   12
## 50          vegetative_sk_Maximum_temperature..31   min   coef   0.00   53
## 51          vegetative_sk_Precipitation_amount..0.1   min   coef   0.00   15
## 52           vegetative_sk_Precipitation_amount..40   min   coef   0.00   57
## 53                     vegetative_sk_Snow_depth..1   min   coef   0.00   50
## 54                     vegetative_sk_Snow_depth..4   min   coef   0.00   60
## 55                        vegetative_total_prec   min   coef   0.00   16
```

```
## 56                     critical_events   min   coef   0.00   52
## 57                             filling   min   coef   0.00   41
## 58                          generative   min   coef   0.00   43
## 59                                 NA.   min   coef   0.00    8
## 60                          vegetative   min   coef   0.00   28
## 61                                area   min   coef   0.00    1
## 62                     filling_avg_temp   min   s1     0.00    3
## 63     filling_fq_Maximum_temperature..31   min   s1     0.00   28
## 64     filling_fq_Precipitation_amount..0.1   min   s1     0.00   41
## 65     filling_fq_Precipitation_amount..40   min   s1     0.00   11
## 66             filling_fq_Snow_depth..1   min   s1     0.00   14
## 67                 filling_length_days   min   s1     0.00   21
## 68             filling_since_nyear_days   min   s1     0.00   25
## 69             filling_since_seed_days   min   s1     0.00   55
## 70     filling_sk_Maximum_temperature..31   min   s1     0.00   16
## 71     filling_sk_Precipitation_amount..0.1   min   s1     0.00   38
## 72     filling_sk_Precipitation_amount..40   min   s1     0.00   26
## 73             filling_sk_Snow_depth..1   min   s1     0.00   31
## 74                   filling_total_prec   min   s1     0.00   12
## 75                 generative_avg_temp   min   s1     0.00    9
## 76   generative_fq_Maximum_temperature..31   min   s1     0.00   32
## 77   generative_fq_Precipitation_amount..0.1   min   s1     0.00   52
## 78   generative_fq_Precipitation_amount..40   min   s1     0.00   56
## 79           generative_fq_Snow_depth..1   min   s1     0.00   39
## 80               generative_length_days   min   s1     0.00   33
## 81           generative_since_nyear_days   min   s1     0.00   13
## 82           generative_since_seed_days   min   s1     0.00   47
## 83   generative_sk_Maximum_temperature..31   min   s1     0.00   34
## 84   generative_sk_Precipitation_amount..0.1   min   s1     0.00   54
## 85   generative_sk_Precipitation_amount..40   min   s1     0.00   35
## 86           generative_sk_Snow_depth..1   min   s1     0.00   37
## 87                 generative_total_prec   min   s1     0.00   48
## 88                         NA_avg_temp   min   s1     0.00    4
## 89         NA_fq_Maximum_temperature..31   min   s1     0.00   59
## 90         NA_fq_Minimum_temperature...15   min   s1     0.00    7
## 91         NA_fq_Precipitation_amount..0.1   min   s1     0.00    2
## 92         NA_fq_Precipitation_amount..40   min   s1     0.00   53
## 93                 NA_fq_Snow_depth..1   min   s1     0.00   46
## 94                 NA_fq_Snow_depth..4   min   s1     0.00    5
## 95                       NA_length_days   min   s1     0.00   36
## 96         NA_sk_Maximum_temperature..31   min   s1     0.00   27
## 97         NA_sk_Minimum_temperature...15   min   s1     0.00   18
## 98         NA_sk_Precipitation_amount..0.1   min   s1     0.00   20
## 99         NA_sk_Precipitation_amount..40   min   s1     0.00   44
## 100                 NA_sk_Snow_depth..1   min   s1     0.00    8
## 101                 NA_sk_Snow_depth..4   min   s1     0.00   30
## 102                       NA_total_prec   min   s1     0.00   10
## 103                 vegetative_avg_temp   min   s1     0.00   22
## 104   vegetative_fq_Maximum_temperature..31   min   s1     0.00   51
## 105   vegetative_fq_Precipitation_amount..0.1   min   s1     0.00   24
## 106   vegetative_fq_Precipitation_amount..40   min   s1     0.00   57
## 107           vegetative_fq_Snow_depth..1   min   s1     0.00   42
## 108           vegetative_fq_Snow_depth..4   min   s1     0.00   58
## 109               vegetative_length_days   min   s1     0.00   49
```

```
## 110              vegetative_since_nyear_days   min   s1   0.00   15
## 111     vegetative_sk_Maximum_temperature..31   min   s1   0.00   60
## 112  vegetative_sk_Precipitation_amount..0.1   min   s1   0.00   17
## 113   vegetative_sk_Precipitation_amount..40   min   s1   0.00   50
## 114             vegetative_sk_Snow_depth..1   min   s1   0.00   40
## 115             vegetative_sk_Snow_depth..4   min   s1   0.00   61
## 116               vegetative_total_prec   min   s1   0.00   19
## 117                   critical_events   min   s1   0.00   43
## 118                         filling   min   s1   0.00   45
## 119                      generative   min   s1   0.00   29
## 120                            NA.   min   s1   0.00    6
## 121                     vegetative   min   s1   0.00   23
## 122                           area   min   s1   0.00    1
## 123                filling_avg_temp   min   st   0.00    3
## 124     filling_fq_Maximum_temperature..31   min   st   0.00   29
## 125    filling_fq_Precipitation_amount..0.1   min   st   0.00   44
## 126     filling_fq_Precipitation_amount..40   min   st   0.00   11
## 127             filling_fq_Snow_depth..1   min   st   0.00   13
## 128                filling_length_days   min   st   0.00   21
## 129             filling_since_nyear_days   min   st   0.00   23
## 130             filling_since_seed_days   min   st   0.00   50
## 131     filling_sk_Maximum_temperature..31   min   st   0.00   15
## 132    filling_sk_Precipitation_amount..0.1   min   st   0.00   40
## 133     filling_sk_Precipitation_amount..40   min   st   0.00   27
## 134             filling_sk_Snow_depth..1   min   st   0.00   38
## 135                filling_total_prec   min   st   0.00   12
## 136              generative_avg_temp   min   st   0.00    9
## 137   generative_fq_Maximum_temperature..31   min   st   0.00   34
## 138  generative_fq_Precipitation_amount..0.1   min   st   0.00   46
## 139   generative_fq_Precipitation_amount..40   min   st   0.00   45
## 140           generative_fq_Snow_depth..1   min   st   0.00   33
## 141              generative_length_days   min   st   0.00   31
## 142           generative_since_nyear_days   min   st   0.00   14
## 143           generative_since_seed_days   min   st   0.00   35
## 144   generative_sk_Maximum_temperature..31   min   st   0.00   39
## 145  generative_sk_Precipitation_amount..0.1   min   st   0.00   49
## 146   generative_sk_Precipitation_amount..40   min   st   0.00   32
## 147           generative_sk_Snow_depth..1   min   st   0.00   30
## 148              generative_total_prec   min   st   0.00   47
## 149                      NA_avg_temp   min   st   0.00    4
## 150          NA_fq_Maximum_temperature..31   min   st   0.00   61
## 151          NA_fq_Minimum_temperature...15   min   st   0.00    7
## 152          NA_fq_Precipitation_amount..0.1   min   st   0.00    2
## 153          NA_fq_Precipitation_amount..40   min   st   0.00   56
## 154                 NA_fq_Snow_depth..1   min   st   0.00   37
## 155                 NA_fq_Snow_depth..4   min   st   0.00    5
## 156                   NA_length_days   min   st   0.00   36
## 157          NA_sk_Maximum_temperature..31   min   st   0.00   26
## 158          NA_sk_Minimum_temperature...15   min   st   0.00   18
## 159          NA_sk_Precipitation_amount..0.1   min   st   0.00   19
## 160          NA_sk_Precipitation_amount..40   min   st   0.00   51
## 161                 NA_sk_Snow_depth..1   min   st   0.00    8
## 162                 NA_sk_Snow_depth..4   min   st   0.00   41
## 163                   NA_total_prec   min   st   0.00   10
```

```
## 164                       vegetative_avg_temp       min    st    0.00   24
## 165        vegetative_fq_Maximum_temperature..31    min    st    0.00   53
## 166      vegetative_fq_Precipitation_amount..0.1    min    st    0.00   22
## 167       vegetative_fq_Precipitation_amount..40    min    st    0.00   55
## 168                  vegetative_fq_Snow_depth..1    min    st    0.00   43
## 169                  vegetative_fq_Snow_depth..4    min    st    0.00   60
## 170                     vegetative_length_days     min    st    0.00   58
## 171                  vegetative_since_nyear_days    min    st    0.00   20
## 172        vegetative_sk_Maximum_temperature..31    min    st    0.00   54
## 173      vegetative_sk_Precipitation_amount..0.1    min    st    0.00   17
## 174       vegetative_sk_Precipitation_amount..40    min    st    0.00   52
## 175                  vegetative_sk_Snow_depth..1    min    st    0.00   42
## 176                  vegetative_sk_Snow_depth..4    min    st    0.00   59
## 177                      vegetative_total_prec     min    st    0.00   16
## 178                         critical_events        min    st    0.00   48
## 179                               filling          min    st    0.00   57
## 180                            generative          min    st    0.00   28
## 181                                  NA.            min    st    0.00    6
## 182                             vegetative         min    st    0.00   25
## 183                                  area          min    st    0.00    1
## 184                        filling_avg_temp        1se   coef   0.00    3
## 185         filling_fq_Maximum_temperature..31     1se   coef   0.00   41
## 186       filling_fq_Precipitation_amount..0.1     1se   coef   0.00   49
## 187       filling_fq_Precipitation_amount..40      1se   coef   0.00   14
## 188                 filling_fq_Snow_depth..1       1se   coef   0.00   42
## 189                      filling_length_days       1se   coef   0.00   40
## 190                   filling_since_nyear_days     1se   coef   0.00   32
## 191                   filling_since_seed_days      1se   coef   0.00   22
## 192         filling_sk_Maximum_temperature..31     1se   coef   0.00   15
## 193       filling_sk_Precipitation_amount..0.1     1se   coef   0.00   47
## 194       filling_sk_Precipitation_amount..40      1se   coef   0.00   36
## 195                 filling_sk_Snow_depth..1       1se   coef   0.00   43
## 196                      filling_total_prec        1se   coef   0.00    7
## 197                     generative_avg_temp        1se   coef   0.00   12
## 198      generative_fq_Maximum_temperature..31     1se   coef   0.00   38
## 199    generative_fq_Precipitation_amount..0.1     1se   coef   0.00   57
## 200     generative_fq_Precipitation_amount..40     1se   coef   0.00   30
## 201               generative_fq_Snow_depth..1      1se   coef   0.00   19
## 202                   generative_length_days       1se   coef   0.00   18
## 203                generative_since_nyear_days     1se   coef   0.00   13
## 204                generative_since_seed_days      1se   coef   0.00   35
## 205      generative_sk_Maximum_temperature..31     1se   coef   0.00   37
## 206    generative_sk_Precipitation_amount..0.1     1se   coef   0.00   45
## 207     generative_sk_Precipitation_amount..40     1se   coef   0.00   29
## 208               generative_sk_Snow_depth..1      1se   coef   0.00   20
## 209                   generative_total_prec        1se   coef   0.00   31
## 210                         NA_avg_temp            1se   coef   0.00    9
## 211         NA_fq_Maximum_temperature..31          1se   coef   0.00   26
## 212         NA_fq_Minimum_temperature...15         1se   coef   0.00   46
## 213         NA_fq_Precipitation_amount..0.1        1se   coef   0.00    2
## 214         NA_fq_Precipitation_amount..40         1se   coef   0.00   56
## 215                 NA_fq_Snow_depth..1            1se   coef   0.00    5
## 216                 NA_fq_Snow_depth..4            1se   coef   0.00    6
## 217                   NA_length_days               1se   coef   0.00   54
```

```
## 218          NA_sk_Maximum_temperature..31    1se   coef   0.00   25
## 219          NA_sk_Minimum_temperature...15    1se   coef   0.00   17
## 220          NA_sk_Precipitation_amount..0.1   1se   coef   0.00   44
## 221          NA_sk_Precipitation_amount..40    1se   coef   0.00   55
## 222                     NA_sk_Snow_depth..1    1se   coef   0.00   10
## 223                     NA_sk_Snow_depth..4    1se   coef   0.00   48
## 224                          NA_total_prec    1se   coef   0.00    4
## 225                      vegetative_avg_temp    1se   coef   0.00   27
## 226   vegetative_fq_Maximum_temperature..31    1se   coef   0.00   61
## 227  vegetative_fq_Precipitation_amount..0.1   1se   coef   0.00   23
## 228  vegetative_fq_Precipitation_amount..40    1se   coef   0.00   52
## 229            vegetative_fq_Snow_depth..1    1se   coef   0.00   33
## 230            vegetative_fq_Snow_depth..4    1se   coef   0.00   58
## 231               vegetative_length_days    1se   coef   0.00   34
## 232            vegetative_since_nyear_days    1se   coef   0.00   11
## 233   vegetative_sk_Maximum_temperature..31    1se   coef   0.00   60
## 234  vegetative_sk_Precipitation_amount..0.1   1se   coef   0.00   21
## 235  vegetative_sk_Precipitation_amount..40    1se   coef   0.00   51
## 236            vegetative_sk_Snow_depth..1    1se   coef   0.00   39
## 237            vegetative_sk_Snow_depth..4    1se   coef   0.00   59
## 238               vegetative_total_prec    1se   coef   0.00   16
## 239                      critical_events    1se   coef   0.00   50
## 240                              filling    1se   coef   0.00   53
## 241                           generative    1se   coef   0.00   24
## 242                                  NA.    1se   coef   0.00    8
## 243                           vegetative    1se   coef   0.00   28
## 244                                 area    1se   coef   0.00    1
## 245                      filling_avg_temp    1se     s1   0.00    4
## 246      filling_fq_Maximum_temperature..31    1se     s1   0.00   43
## 247     filling_fq_Precipitation_amount..0.1   1se     s1   0.00   39
## 248     filling_fq_Precipitation_amount..40    1se     s1   0.00   13
## 249              filling_fq_Snow_depth..1    1se     s1   0.00   26
## 250                  filling_length_days    1se     s1   0.00   41
## 251               filling_since_nyear_days    1se     s1   0.00   23
## 252               filling_since_seed_days    1se     s1   0.00   57
## 253      filling_sk_Maximum_temperature..31    1se     s1   0.00   17
## 254     filling_sk_Precipitation_amount..0.1   1se     s1   0.00   38
## 255     filling_sk_Precipitation_amount..40    1se     s1   0.00   33
## 256              filling_sk_Snow_depth..1    1se     s1   0.00   36
## 257                  filling_total_prec    1se     s1   0.00    9
## 258                   generative_avg_temp    1se     s1   0.00   14
## 259   generative_fq_Maximum_temperature..31    1se     s1   0.00   30
## 260  generative_fq_Precipitation_amount..0.1   1se     s1   0.00   47
## 261  generative_fq_Precipitation_amount..40    1se     s1   0.00   44
## 262            generative_fq_Snow_depth..1    1se     s1   0.00   52
## 263               generative_length_days    1se     s1   0.00   25
## 264            generative_since_nyear_days    1se     s1   0.00   11
## 265            generative_since_seed_days    1se     s1   0.00   40
## 266   generative_sk_Maximum_temperature..31    1se     s1   0.00   29
## 267  generative_sk_Precipitation_amount..0.1   1se     s1   0.00   59
## 268  generative_sk_Precipitation_amount..40    1se     s1   0.00   28
## 269            generative_sk_Snow_depth..1    1se     s1   0.00   22
## 270               generative_total_prec    1se     s1   0.00   32
## 271                          NA_avg_temp    1se     s1   0.00    5
```

```
## 272               NA_fq_Maximum_temperature..31    1se    s1    0.00    53
## 273              NA_fq_Minimum_temperature...15    1se    s1    0.00     7
## 274              NA_fq_Precipitation_amount..0.1    1se    s1    0.00     2
## 275               NA_fq_Precipitation_amount..40    1se    s1    0.00    56
## 276                          NA_fq_Snow_depth..1    1se    s1    0.00    16
## 277                          NA_fq_Snow_depth..4    1se    s1    0.00     3
## 278                               NA_length_days    1se    s1    0.00    58
## 279              NA_sk_Maximum_temperature..31    1se    s1    0.00    20
## 280             NA_sk_Minimum_temperature...15    1se    s1    0.00    15
## 281             NA_sk_Precipitation_amount..0.1    1se    s1    0.00    35
## 282              NA_sk_Precipitation_amount..40    1se    s1    0.00    48
## 283                          NA_sk_Snow_depth..1    1se    s1    0.00    10
## 284                          NA_sk_Snow_depth..4    1se    s1    0.00    46
## 285                                NA_total_prec    1se    s1    0.00     8
## 286                            vegetative_avg_temp    1se    s1    0.00    34
## 287     vegetative_fq_Maximum_temperature..31    1se    s1    0.00    55
## 288  vegetative_fq_Precipitation_amount..0.1    1se    s1    0.00    42
## 289   vegetative_fq_Precipitation_amount..40    1se    s1    0.00    51
## 290               vegetative_fq_Snow_depth..1    1se    s1    0.00    49
## 291               vegetative_fq_Snow_depth..4    1se    s1    0.00    54
## 292                       vegetative_length_days    1se    s1    0.00    31
## 293                    vegetative_since_nyear_days    1se    s1    0.00    12
## 294     vegetative_sk_Maximum_temperature..31    1se    s1    0.00    60
## 295   vegetative_sk_Precipitation_amount..0.1    1se    s1    0.00    19
## 296    vegetative_sk_Precipitation_amount..40    1se    s1    0.00    45
## 297               vegetative_sk_Snow_depth..1    1se    s1    0.00    27
## 298               vegetative_sk_Snow_depth..4    1se    s1    0.00    61
## 299                       vegetative_total_prec    1se    s1    0.00    21
## 300                               critical_events    1se    s1    0.00    37
## 301                                       filling    1se    s1    0.00    50
## 302                                    generative    1se    s1    0.00    18
## 303                                          NA.    1se    s1    0.00     6
## 304                                   vegetative    1se    s1    0.00    24
## 305                                         area    1se    s1    0.00     1
## 306                              filling_avg_temp    1se    st    0.00     4
## 307       filling_fq_Maximum_temperature..31    1se    st    0.00    44
## 308     filling_fq_Precipitation_amount..0.1    1se    st    0.00    37
## 309      filling_fq_Precipitation_amount..40    1se    st    0.00    13
## 310                  filling_fq_Snow_depth..1    1se    st    0.00    24
## 311                           filling_length_days    1se    st    0.00    36
## 312                        filling_since_nyear_days    1se    st    0.00    23
## 313                        filling_since_seed_days    1se    st    0.00    55
## 314       filling_sk_Maximum_temperature..31    1se    st    0.00    17
## 315     filling_sk_Precipitation_amount..0.1    1se    st    0.00    41
## 316      filling_sk_Precipitation_amount..40    1se    st    0.00    34
## 317                  filling_sk_Snow_depth..1    1se    st    0.00    42
## 318                             filling_total_prec    1se    st    0.00     9
## 319                           generative_avg_temp    1se    st    0.00    11
## 320    generative_fq_Maximum_temperature..31    1se    st    0.00    32
## 321  generative_fq_Precipitation_amount..0.1    1se    st    0.00    61
## 322   generative_fq_Precipitation_amount..40    1se    st    0.00    33
## 323              generative_fq_Snow_depth..1    1se    st    0.00    39
## 324                       generative_length_days    1se    st    0.00    25
## 325                    generative_since_nyear_days    1se    st    0.00    12
```

```
## 326                generative_since_seed_days    1se    st   0.00   29
## 327         generative_sk_Maximum_temperature..31  1se    st   0.00   38
## 328       generative_sk_Precipitation_amount..0.1  1se    st   0.00   45
## 329        generative_sk_Precipitation_amount..40  1se    st   0.00   27
## 330                 generative_sk_Snow_depth..1    1se    st   0.00   20
## 331                       generative_total_prec    1se    st   0.00   31
## 332                                 NA_avg_temp    1se    st   0.00    5
## 333              NA_fq_Maximum_temperature..31    1se    st   0.00   51
## 334              NA_fq_Minimum_temperature...15    1se    st   0.00    7
## 335             NA_fq_Precipitation_amount..0.1    1se    st   0.00    2
## 336              NA_fq_Precipitation_amount..40    1se    st   0.00   59
## 337                         NA_fq_Snow_depth..1    1se    st   0.00   14
## 338                         NA_fq_Snow_depth..4    1se    st   0.00    3
## 339                               NA_length_days   1se    st   0.00   52
## 340              NA_sk_Maximum_temperature..31    1se    st   0.00   22
## 341              NA_sk_Minimum_temperature...15    1se    st   0.00   15
## 342             NA_sk_Precipitation_amount..0.1    1se    st   0.00   30
## 343              NA_sk_Precipitation_amount..40    1se    st   0.00   53
## 344                         NA_sk_Snow_depth..1    1se    st   0.00   10
## 345                         NA_sk_Snow_depth..4    1se    st   0.00   54
## 346                                NA_total_prec   1se    st   0.00    8
## 347                            vegetative_avg_temp 1se    st   0.00   43
## 348      vegetative_fq_Maximum_temperature..31    1se    st   0.00   56
## 349    vegetative_fq_Precipitation_amount..0.1    1se    st   0.00   46
## 350     vegetative_fq_Precipitation_amount..40    1se    st   0.00   50
## 351                 vegetative_fq_Snow_depth..1    1se    st   0.00   49
## 352                 vegetative_fq_Snow_depth..4    1se    st   0.00   60
## 353                        vegetative_length_days 1se    st   0.00   35
## 354                    vegetative_since_nyear_days 1se    st   0.00   16
## 355      vegetative_sk_Maximum_temperature..31    1se    st   0.00   57
## 356    vegetative_sk_Precipitation_amount..0.1    1se    st   0.00   21
## 357     vegetative_sk_Precipitation_amount..40    1se    st   0.00   47
## 358                 vegetative_sk_Snow_depth..1    1se    st   0.00   28
## 359                 vegetative_sk_Snow_depth..4    1se    st   0.00   58
## 360                       vegetative_total_prec    1se    st   0.00   19
## 361                              critical_events    1se    st   0.00   40
## 362                                      filling    1se    st   0.00   48
## 363                                   generative    1se    st   0.00   18
## 364                                          NA.    1se    st   0.00    6
## 365                                   vegetative    1se    st   0.00   26
## 366                                         area    1se    st   0.00    1
## 367                             filling_avg_temp    min   coef  0.25    2
## 368        filling_fq_Maximum_temperature..31    min   coef  0.25   61
## 369       filling_fq_Precipitation_amount..0.1    min   coef  0.25   61
## 370        filling_fq_Precipitation_amount..40    min   coef  0.25   22
## 371                    filling_fq_Snow_depth..1    min   coef  0.25   14
## 372                           filling_length_days min   coef  0.25   13
## 373                      filling_since_nyear_days  min   coef  0.25   61
## 374                       filling_since_seed_days  min   coef  0.25   61
## 375        filling_sk_Maximum_temperature..31    min   coef  0.25   32
## 376       filling_sk_Precipitation_amount..0.1    min   coef  0.25   61
## 377        filling_sk_Precipitation_amount..40    min   coef  0.25   61
## 378                    filling_sk_Snow_depth..1    min   coef  0.25   17
## 379                             filling_total_prec min   coef  0.25   11
```

```
## 380                     generative_avg_temp   min   coef   0.25    4
## 381   generative_fq_Maximum_temperature..31   min   coef   0.25   29
## 382  generative_fq_Precipitation_amount..0.1   min   coef   0.25   33
## 383   generative_fq_Precipitation_amount..40   min   coef   0.25   27
## 384             generative_fq_Snow_depth..1   min   coef   0.25   20
## 385                  generative_length_days   min   coef   0.25   31
## 386               generative_since_nyear_days  min   coef   0.25   61
## 387               generative_since_seed_days   min   coef   0.25   61
## 388   generative_sk_Maximum_temperature..31   min   coef   0.25   26
## 389  generative_sk_Precipitation_amount..0.1  min   coef   0.25   35
## 390   generative_sk_Precipitation_amount..40   min   coef   0.25   30
## 391             generative_sk_Snow_depth..1   min   coef   0.25   36
## 392                  generative_total_prec   min   coef   0.25   19
## 393                           NA_avg_temp   min   coef   0.25    3
## 394        NA_fq_Maximum_temperature..31   min   coef   0.25   25
## 395         NA_fq_Minimum_temperature...15   min   coef   0.25   61
## 396       NA_fq_Precipitation_amount..0.1   min   coef   0.25   10
## 397        NA_fq_Precipitation_amount..40   min   coef   0.25   41
## 398                   NA_fq_Snow_depth..1   min   coef   0.25    7
## 399                   NA_fq_Snow_depth..4   min   coef   0.25   16
## 400                        NA_length_days   min   coef   0.25   61
## 401        NA_sk_Maximum_temperature..31   min   coef   0.25   24
## 402         NA_sk_Minimum_temperature...15   min   coef   0.25   34
## 403       NA_sk_Precipitation_amount..0.1   min   coef   0.25   21
## 404        NA_sk_Precipitation_amount..40   min   coef   0.25   40
## 405                   NA_sk_Snow_depth..1   min   coef   0.25    8
## 406                   NA_sk_Snow_depth..4   min   coef   0.25   23
## 407                        NA_total_prec   min   coef   0.25    9
## 408                   vegetative_avg_temp   min   coef   0.25   61
## 409   vegetative_fq_Maximum_temperature..31   min   coef   0.25   37
## 410  vegetative_fq_Precipitation_amount..0.1  min   coef   0.25   12
## 411   vegetative_fq_Precipitation_amount..40   min   coef   0.25   39
## 412             vegetative_fq_Snow_depth..1   min   coef   0.25   61
## 413             vegetative_fq_Snow_depth..4   min   coef   0.25   61
## 414                  vegetative_length_days   min   coef   0.25   61
## 415               vegetative_since_nyear_days  min   coef   0.25    5
## 416   vegetative_sk_Maximum_temperature..31   min   coef   0.25   38
## 417  vegetative_sk_Precipitation_amount..0.1  min   coef   0.25   15
## 418   vegetative_sk_Precipitation_amount..40   min   coef   0.25   42
## 419             vegetative_sk_Snow_depth..1   min   coef   0.25   61
## 420             vegetative_sk_Snow_depth..4   min   coef   0.25   61
## 421                  vegetative_total_prec   min   coef   0.25   18
## 422                        critical_events   min   coef   0.25   61
## 423                               filling   min   coef   0.25   28
## 424                            generative   min   coef   0.25   61
## 425                                   NA.   min   coef   0.25    6
## 426                            vegetative   min   coef   0.25   61
## 427                                  area   min   coef   0.25    1
## 428                      filling_avg_temp   min     s1   0.25    4
## 429      filling_fq_Maximum_temperature..31   min     s1   0.25   61
## 430     filling_fq_Precipitation_amount..0.1   min     s1   0.25   61
## 431      filling_fq_Precipitation_amount..40   min     s1   0.25   19
## 432             filling_fq_Snow_depth..1   min     s1   0.25   14
## 433                  filling_length_days   min     s1   0.25   21
```

```
## 434             filling_since_nyear_days    min    s1    0.25    61
## 435             filling_since_seed_days     min    s1    0.25    23
## 436      filling_sk_Maximum_temperature..31    min    s1    0.25    15
## 437    filling_sk_Precipitation_amount..0.1    min    s1    0.25    61
## 438     filling_sk_Precipitation_amount..40    min    s1    0.25    61
## 439             filling_sk_Snow_depth..1     min    s1    0.25    31
## 440                   filling_total_prec     min    s1    0.25     9
## 441                   generative_avg_temp    min    s1    0.25     5
## 442   generative_fq_Maximum_temperature..31    min    s1    0.25    25
## 443 generative_fq_Precipitation_amount..0.1    min    s1    0.25    61
## 444  generative_fq_Precipitation_amount..40    min    s1    0.25    30
## 445           generative_fq_Snow_depth..1    min    s1    0.25    20
## 446               generative_length_days    min    s1    0.25    27
## 447             generative_since_nyear_days    min    s1    0.25    61
## 448             generative_since_seed_days    min    s1    0.25    61
## 449   generative_sk_Maximum_temperature..31    min    s1    0.25    26
## 450 generative_sk_Precipitation_amount..0.1    min    s1    0.25    35
## 451  generative_sk_Precipitation_amount..40    min    s1    0.25    24
## 452           generative_sk_Snow_depth..1    min    s1    0.25    32
## 453               generative_total_prec    min    s1    0.25    16
## 454                       NA_avg_temp     min    s1    0.25     3
## 455         NA_fq_Maximum_temperature..31    min    s1    0.25    34
## 456         NA_fq_Minimum_temperature...15    min    s1    0.25    61
## 457       NA_fq_Precipitation_amount..0.1    min    s1    0.25     2
## 458        NA_fq_Precipitation_amount..40    min    s1    0.25    61
## 459               NA_fq_Snow_depth..1    min    s1    0.25    12
## 460               NA_fq_Snow_depth..4    min    s1    0.25    11
## 461                    NA_length_days     min    s1    0.25    61
## 462         NA_sk_Maximum_temperature..31    min    s1    0.25    22
## 463         NA_sk_Minimum_temperature...15    min    s1    0.25    29
## 464       NA_sk_Precipitation_amount..0.1    min    s1    0.25    18
## 465        NA_sk_Precipitation_amount..40    min    s1    0.25    61
## 466               NA_sk_Snow_depth..1    min    s1    0.25    10
## 467               NA_sk_Snow_depth..4    min    s1    0.25    61
## 468                      NA_total_prec    min    s1    0.25     8
## 469                  vegetative_avg_temp    min    s1    0.25    61
## 470   vegetative_fq_Maximum_temperature..31    min    s1    0.25    61
## 471 vegetative_fq_Precipitation_amount..0.1    min    s1    0.25    28
## 472  vegetative_fq_Precipitation_amount..40    min    s1    0.25    36
## 473           vegetative_fq_Snow_depth..1    min    s1    0.25    61
## 474           vegetative_fq_Snow_depth..4    min    s1    0.25    61
## 475               vegetative_length_days    min    s1    0.25    61
## 476             vegetative_since_nyear_days    min    s1    0.25     6
## 477   vegetative_sk_Maximum_temperature..31    min    s1    0.25    61
## 478 vegetative_sk_Precipitation_amount..0.1    min    s1    0.25    13
## 479  vegetative_sk_Precipitation_amount..40    min    s1    0.25    37
## 480           vegetative_sk_Snow_depth..1    min    s1    0.25    61
## 481           vegetative_sk_Snow_depth..4    min    s1    0.25    61
## 482               vegetative_total_prec    min    s1    0.25    17
## 483                   critical_events     min    s1    0.25    61
## 484                          filling    min    s1    0.25    33
## 485                       generative    min    s1    0.25    61
## 486                             NA.    min    s1    0.25     7
## 487                       vegetative    min    s1    0.25    61
```

```
## 488                                     area   min   s1   0.25    1
## 489                          filling_avg_temp   min   st   0.25    5
## 490         filling_fq_Maximum_temperature..31   min   st   0.25   61
## 491        filling_fq_Precipitation_amount..0.1   min   st   0.25   61
## 492         filling_fq_Precipitation_amount..40   min   st   0.25   18
## 493               filling_fq_Snow_depth..1   min   st   0.25   15
## 494                       filling_length_days   min   st   0.25   21
## 495                 filling_since_nyear_days   min   st   0.25   61
## 496                 filling_since_seed_days   min   st   0.25   30
## 497         filling_sk_Maximum_temperature..31   min   st   0.25   17
## 498        filling_sk_Precipitation_amount..0.1   min   st   0.25   61
## 499         filling_sk_Precipitation_amount..40   min   st   0.25   61
## 500               filling_sk_Snow_depth..1   min   st   0.25   31
## 501                       filling_total_prec   min   st   0.25    9
## 502                      generative_avg_temp   min   st   0.25    4
## 503      generative_fq_Maximum_temperature..31   min   st   0.25   27
## 504     generative_fq_Precipitation_amount..0.1   min   st   0.25   61
## 505      generative_fq_Precipitation_amount..40   min   st   0.25   24
## 506            generative_fq_Snow_depth..1   min   st   0.25   22
## 507                  generative_length_days   min   st   0.25   29
## 508              generative_since_nyear_days   min   st   0.25   61
## 509              generative_since_seed_days   min   st   0.25   61
## 510      generative_sk_Maximum_temperature..31   min   st   0.25   26
## 511     generative_sk_Precipitation_amount..0.1   min   st   0.25   35
## 512      generative_sk_Precipitation_amount..40   min   st   0.25   23
## 513            generative_sk_Snow_depth..1   min   st   0.25   32
## 514                  generative_total_prec   min   st   0.25   16
## 515                             NA_avg_temp   min   st   0.25    3
## 516           NA_fq_Maximum_temperature..31   min   st   0.25   34
## 517           NA_fq_Minimum_temperature...15   min   st   0.25   61
## 518          NA_fq_Precipitation_amount..0.1   min   st   0.25    2
## 519           NA_fq_Precipitation_amount..40   min   st   0.25   61
## 520                    NA_fq_Snow_depth..1   min   st   0.25   10
## 521                    NA_fq_Snow_depth..4   min   st   0.25   11
## 522                          NA_length_days   min   st   0.25   61
## 523           NA_sk_Maximum_temperature..31   min   st   0.25   19
## 524           NA_sk_Minimum_temperature...15   min   st   0.25   33
## 525          NA_sk_Precipitation_amount..0.1   min   st   0.25   20
## 526           NA_sk_Precipitation_amount..40   min   st   0.25   61
## 527                    NA_sk_Snow_depth..1   min   st   0.25   12
## 528                    NA_sk_Snow_depth..4   min   st   0.25   61
## 529                          NA_total_prec   min   st   0.25    8
## 530                      vegetative_avg_temp   min   st   0.25   61
## 531      vegetative_fq_Maximum_temperature..31   min   st   0.25   61
## 532     vegetative_fq_Precipitation_amount..0.1   min   st   0.25   25
## 533      vegetative_fq_Precipitation_amount..40   min   st   0.25   36
## 534            vegetative_fq_Snow_depth..1   min   st   0.25   61
## 535            vegetative_fq_Snow_depth..4   min   st   0.25   61
## 536                  vegetative_length_days   min   st   0.25   61
## 537              vegetative_since_nyear_days   min   st   0.25    7
## 538      vegetative_sk_Maximum_temperature..31   min   st   0.25   61
## 539     vegetative_sk_Precipitation_amount..0.1   min   st   0.25   13
## 540      vegetative_sk_Precipitation_amount..40   min   st   0.25   37
## 541            vegetative_sk_Snow_depth..1   min   st   0.25   61
```

```
## 542                    vegetative_sk_Snow_depth..4   min    st   0.25   61
## 543                         vegetative_total_prec   min    st   0.25   14
## 544                               critical_events   min    st   0.25   61
## 545                                       filling   min    st   0.25   28
## 546                                    generative   min    st   0.25   61
## 547                                           NA.   min    st   0.25    6
## 548                                    vegetative   min    st   0.25   61
## 549                                          area   min    st   0.25    1
## 550                              filling_avg_temp   1se  coef   0.25   61
## 551         filling_fq_Maximum_temperature..31     1se  coef   0.25   20
## 552         filling_fq_Precipitation_amount..0.1   1se  coef   0.25   61
## 553          filling_fq_Precipitation_amount..40   1se  coef   0.25   61
## 554                  filling_fq_Snow_depth..1     1se  coef   0.25   61
## 555                           filling_length_days   1se  coef   0.25   61
## 556                        filling_since_nyear_days   1se  coef   0.25   61
## 557                        filling_since_seed_days   1se  coef   0.25    6
## 558         filling_sk_Maximum_temperature..31     1se  coef   0.25   13
## 559         filling_sk_Precipitation_amount..0.1   1se  coef   0.25   61
## 560          filling_sk_Precipitation_amount..40   1se  coef   0.25   61
## 561                  filling_sk_Snow_depth..1     1se  coef   0.25   61
## 562                          filling_total_prec   1se  coef   0.25    9
## 563                          generative_avg_temp   1se  coef   0.25    7
## 564      generative_fq_Maximum_temperature..31    1se  coef   0.25   61
## 565     generative_fq_Precipitation_amount..0.1   1se  coef   0.25   61
## 566      generative_fq_Precipitation_amount..40   1se  coef   0.25   19
## 567                generative_fq_Snow_depth..1    1se  coef   0.25   12
## 568                        generative_length_days   1se  coef   0.25   11
## 569                     generative_since_nyear_days   1se  coef   0.25   61
## 570                     generative_since_seed_days   1se  coef   0.25   61
## 571      generative_sk_Maximum_temperature..31    1se  coef   0.25   61
## 572     generative_sk_Precipitation_amount..0.1   1se  coef   0.25   61
## 573      generative_sk_Precipitation_amount..40   1se  coef   0.25   18
## 574                generative_sk_Snow_depth..1    1se  coef   0.25   14
## 575                         generative_total_prec   1se  coef   0.25   15
## 576                                   NA_avg_temp   1se  coef   0.25    5
## 577             NA_fq_Maximum_temperature..31      1se  coef   0.25   17
## 578             NA_fq_Minimum_temperature...15     1se  coef   0.25   61
## 579             NA_fq_Precipitation_amount..0.1   1se  coef   0.25    4
## 580             NA_fq_Precipitation_amount..40    1se  coef   0.25   61
## 581                      NA_fq_Snow_depth..1      1se  coef   0.25    8
## 582                      NA_fq_Snow_depth..4      1se  coef   0.25    3
## 583                              NA_length_days   1se  coef   0.25   61
## 584             NA_sk_Maximum_temperature..31      1se  coef   0.25   16
## 585             NA_sk_Minimum_temperature...15     1se  coef   0.25   61
## 586             NA_sk_Precipitation_amount..0.1   1se  coef   0.25   61
## 587             NA_sk_Precipitation_amount..40    1se  coef   0.25   61
## 588                      NA_sk_Snow_depth..1      1se  coef   0.25   61
## 589                      NA_sk_Snow_depth..4      1se  coef   0.25   61
## 590                              NA_total_prec   1se  coef   0.25   10
## 591                          vegetative_avg_temp   1se  coef   0.25   61
## 592      vegetative_fq_Maximum_temperature..31    1se  coef   0.25   61
## 593     vegetative_fq_Precipitation_amount..0.1   1se  coef   0.25   61
## 594      vegetative_fq_Precipitation_amount..40   1se  coef   0.25   61
## 595                vegetative_fq_Snow_depth..1    1se  coef   0.25   61
```

```
## 596              vegetative_fq_Snow_depth..4   1se   coef   0.25   61
## 597                  vegetative_length_days    1se   coef   0.25   61
## 598             vegetative_since_nyear_days    1se   coef   0.25    2
## 599   vegetative_sk_Maximum_temperature..31   1se   coef   0.25   61
## 600  vegetative_sk_Precipitation_amount..0.1  1se   coef   0.25   61
## 601   vegetative_sk_Precipitation_amount..40   1se   coef   0.25   61
## 602              vegetative_sk_Snow_depth..1   1se   coef   0.25   61
## 603              vegetative_sk_Snow_depth..4   1se   coef   0.25   61
## 604                   vegetative_total_prec   1se   coef   0.25   61
## 605                         critical_events   1se   coef   0.25   61
## 606                                 filling   1se   coef   0.25   61
## 607                              generative   1se   coef   0.25   61
## 608                                     NA.   1se   coef   0.25   61
## 609                              vegetative   1se   coef   0.25   61
## 610                                    area   1se   coef   0.25    1
## 611                         filling_avg_temp  1se    s1    0.25   61
## 612      filling_fq_Maximum_temperature..31   1se    s1    0.25   20
## 613   filling_fq_Precipitation_amount..0.1   1se    s1    0.25   61
## 614    filling_fq_Precipitation_amount..40   1se    s1    0.25   61
## 615             filling_fq_Snow_depth..1    1se    s1    0.25   61
## 616                   filling_length_days    1se    s1    0.25   61
## 617              filling_since_nyear_days    1se    s1    0.25   61
## 618               filling_since_seed_days    1se    s1    0.25    6
## 619    filling_sk_Maximum_temperature..31   1se    s1    0.25   12
## 620   filling_sk_Precipitation_amount..0.1   1se    s1    0.25   61
## 621    filling_sk_Precipitation_amount..40   1se    s1    0.25   61
## 622             filling_sk_Snow_depth..1    1se    s1    0.25   61
## 623                     filling_total_prec   1se    s1    0.25    8
## 624                    generative_avg_temp   1se    s1    0.25    7
## 625   generative_fq_Maximum_temperature..31  1se    s1    0.25   61
## 626  generative_fq_Precipitation_amount..0.1 1se    s1    0.25   61
## 627   generative_fq_Precipitation_amount..40  1se    s1    0.25   17
## 628             generative_fq_Snow_depth..1   1se    s1    0.25   10
## 629                generative_length_days    1se    s1    0.25   13
## 630           generative_since_nyear_days    1se    s1    0.25   61
## 631            generative_since_seed_days    1se    s1    0.25   61
## 632   generative_sk_Maximum_temperature..31  1se    s1    0.25   61
## 633  generative_sk_Precipitation_amount..0.1 1se    s1    0.25   61
## 634   generative_sk_Precipitation_amount..40  1se    s1    0.25   16
## 635             generative_sk_Snow_depth..1   1se    s1    0.25   14
## 636                  generative_total_prec   1se    s1    0.25   15
## 637                            NA_avg_temp   1se    s1    0.25    4
## 638          NA_fq_Maximum_temperature..31   1se    s1    0.25   19
## 639          NA_fq_Minimum_temperature...15  1se    s1    0.25   61
## 640          NA_fq_Precipitation_amount..0.1 1se    s1    0.25    2
## 641          NA_fq_Precipitation_amount..40  1se    s1    0.25   61
## 642                     NA_fq_Snow_depth..1  1se    s1    0.25    9
## 643                     NA_fq_Snow_depth..4  1se    s1    0.25    5
## 644                          NA_length_days  1se    s1    0.25   61
## 645          NA_sk_Maximum_temperature..31   1se    s1    0.25   18
## 646          NA_sk_Minimum_temperature...15  1se    s1    0.25   61
## 647          NA_sk_Precipitation_amount..0.1 1se    s1    0.25   61
## 648          NA_sk_Precipitation_amount..40  1se    s1    0.25   61
## 649                     NA_sk_Snow_depth..1  1se    s1    0.25   61
```

```
## 650                         NA_sk_Snow_depth..4    1se    s1   0.25   61
## 651                              NA_total_prec     1se    s1   0.25   11
## 652                          vegetative_avg_temp   1se    s1   0.25   61
## 653      vegetative_fq_Maximum_temperature..31    1se    s1   0.25   61
## 654    vegetative_fq_Precipitation_amount..0.1   1se    s1   0.25   61
## 655     vegetative_fq_Precipitation_amount..40   1se    s1   0.25   61
## 656               vegetative_fq_Snow_depth..1    1se    s1   0.25   61
## 657               vegetative_fq_Snow_depth..4    1se    s1   0.25   61
## 658                      vegetative_length_days   1se    s1   0.25   61
## 659                  vegetative_since_nyear_days  1se    s1   0.25    3
## 660      vegetative_sk_Maximum_temperature..31    1se    s1   0.25   61
## 661    vegetative_sk_Precipitation_amount..0.1   1se    s1   0.25   61
## 662     vegetative_sk_Precipitation_amount..40   1se    s1   0.25   61
## 663               vegetative_sk_Snow_depth..1    1se    s1   0.25   61
## 664               vegetative_sk_Snow_depth..4    1se    s1   0.25   61
## 665                      vegetative_total_prec   1se    s1   0.25   61
## 666                            critical_events    1se    s1   0.25   61
## 667                                   filling    1se    s1   0.25   61
## 668                                generative    1se    s1   0.25   61
## 669                                       NA.    1se    s1   0.25   61
## 670                                vegetative    1se    s1   0.25   61
## 671                                      area    1se    s1   0.25    1
## 672                          filling_avg_temp    1se    st   0.25   61
## 673       filling_fq_Maximum_temperature..31    1se    st   0.25   19
## 674     filling_fq_Precipitation_amount..0.1   1se    st   0.25   61
## 675      filling_fq_Precipitation_amount..40   1se    st   0.25   61
## 676                filling_fq_Snow_depth..1    1se    st   0.25   61
## 677                      filling_length_days    1se    st   0.25   61
## 678                  filling_since_nyear_days   1se    st   0.25   61
## 679                  filling_since_seed_days   1se    st   0.25    6
## 680       filling_sk_Maximum_temperature..31    1se    st   0.25   11
## 681     filling_sk_Precipitation_amount..0.1   1se    st   0.25   61
## 682      filling_sk_Precipitation_amount..40   1se    st   0.25   61
## 683                filling_sk_Snow_depth..1    1se    st   0.25   61
## 684                      filling_total_prec    1se    st   0.25    9
## 685                       generative_avg_temp   1se    st   0.25    7
## 686    generative_fq_Maximum_temperature..31    1se    st   0.25   61
## 687  generative_fq_Precipitation_amount..0.1   1se    st   0.25   61
## 688   generative_fq_Precipitation_amount..40   1se    st   0.25   16
## 689             generative_fq_Snow_depth..1    1se    st   0.25   10
## 690                   generative_length_days    1se    st   0.25   15
## 691               generative_since_nyear_days   1se    st   0.25   61
## 692               generative_since_seed_days   1se    st   0.25   61
## 693    generative_sk_Maximum_temperature..31    1se    st   0.25   61
## 694  generative_sk_Precipitation_amount..0.1   1se    st   0.25   61
## 695   generative_sk_Precipitation_amount..40   1se    st   0.25   20
## 696             generative_sk_Snow_depth..1    1se    st   0.25   14
## 697                   generative_total_prec    1se    st   0.25   12
## 698                              NA_avg_temp    1se    st   0.25    5
## 699          NA_fq_Maximum_temperature..31    1se    st   0.25   18
## 700          NA_fq_Minimum_temperature...15    1se    st   0.25   61
## 701        NA_fq_Precipitation_amount..0.1    1se    st   0.25    2
## 702         NA_fq_Precipitation_amount..40    1se    st   0.25   61
## 703                    NA_fq_Snow_depth..1    1se    st   0.25    8
```

```
## 704                      NA_fq_Snow_depth..4   1se   st   0.25    4
## 705                           NA_length_days   1se   st   0.25   61
## 706              NA_sk_Maximum_temperature..31   1se   st   0.25   17
## 707             NA_sk_Minimum_temperature...15   1se   st   0.25   61
## 708             NA_sk_Precipitation_amount..0.1  1se   st   0.25   61
## 709              NA_sk_Precipitation_amount..40  1se   st   0.25   61
## 710                        NA_sk_Snow_depth..1   1se   st   0.25   61
## 711                        NA_sk_Snow_depth..4   1se   st   0.25   61
## 712                             NA_total_prec   1se   st   0.25   13
## 713                         vegetative_avg_temp   1se   st   0.25   61
## 714    vegetative_fq_Maximum_temperature..31   1se   st   0.25   61
## 715   vegetative_fq_Precipitation_amount..0.1   1se   st   0.25   61
## 716    vegetative_fq_Precipitation_amount..40   1se   st   0.25   61
## 717              vegetative_fq_Snow_depth..1   1se   st   0.25   61
## 718              vegetative_fq_Snow_depth..4   1se   st   0.25   61
## 719                    vegetative_length_days   1se   st   0.25   61
## 720                 vegetative_since_nyear_days   1se   st   0.25    3
## 721    vegetative_sk_Maximum_temperature..31   1se   st   0.25   61
## 722   vegetative_sk_Precipitation_amount..0.1   1se   st   0.25   61
## 723    vegetative_sk_Precipitation_amount..40   1se   st   0.25   61
## 724              vegetative_sk_Snow_depth..1   1se   st   0.25   61
## 725              vegetative_sk_Snow_depth..4   1se   st   0.25   61
## 726                    vegetative_total_prec   1se   st   0.25   61
## 727                          critical_events   1se   st   0.25   61
## 728                                  filling   1se   st   0.25   61
## 729                               generative   1se   st   0.25   61
## 730                                      NA.   1se   st   0.25   61
## 731                               vegetative   1se   st   0.25   61
## 732                                     area   1se   st   0.25    1
## 733                         filling_avg_temp   min   coef  0.50    2
## 734       filling_fq_Maximum_temperature..31   min   coef  0.50   61
## 735      filling_fq_Precipitation_amount..0.1   min   coef  0.50   61
## 736       filling_fq_Precipitation_amount..40   min   coef  0.50   21
## 737                 filling_fq_Snow_depth..1   min   coef  0.50    7
## 738                       filling_length_days   min   coef  0.50   14
## 739                 filling_since_nyear_days   min   coef  0.50   61
## 740                 filling_since_seed_days   min   coef  0.50   61
## 741       filling_sk_Maximum_temperature..31   min   coef  0.50   29
## 742      filling_sk_Precipitation_amount..0.1   min   coef  0.50   61
## 743       filling_sk_Precipitation_amount..40   min   coef  0.50   61
## 744                 filling_sk_Snow_depth..1   min   coef  0.50   27
## 745                       filling_total_prec   min   coef  0.50   12
## 746                     generative_avg_temp   min   coef  0.50    3
## 747   generative_fq_Maximum_temperature..31   min   coef  0.50   24
## 748  generative_fq_Precipitation_amount..0.1   min   coef  0.50   39
## 749   generative_fq_Precipitation_amount..40   min   coef  0.50   20
## 750             generative_fq_Snow_depth..1   min   coef  0.50   28
## 751                  generative_length_days   min   coef  0.50   37
## 752             generative_since_nyear_days   min   coef  0.50   61
## 753             generative_since_seed_days   min   coef  0.50   61
## 754   generative_sk_Maximum_temperature..31   min   coef  0.50   25
## 755  generative_sk_Precipitation_amount..0.1   min   coef  0.50   31
## 756   generative_sk_Precipitation_amount..40   min   coef  0.50   32
## 757             generative_sk_Snow_depth..1   min   coef  0.50   38
```

```
## 758                   generative_total_prec   min   coef   0.50   16
## 759                            NA_avg_temp   min   coef   0.50    4
## 760        NA_fq_Maximum_temperature..31   min   coef   0.50   23
## 761        NA_fq_Minimum_temperature...15   min   coef   0.50   61
## 762       NA_fq_Precipitation_amount..0.1   min   coef   0.50   10
## 763        NA_fq_Precipitation_amount..40   min   coef   0.50   41
## 764                    NA_fq_Snow_depth..1   min   coef   0.50    5
## 765                    NA_fq_Snow_depth..4   min   coef   0.50   18
## 766                         NA_length_days   min   coef   0.50   61
## 767        NA_sk_Maximum_temperature..31   min   coef   0.50   19
## 768        NA_sk_Minimum_temperature...15   min   coef   0.50   61
## 769       NA_sk_Precipitation_amount..0.1   min   coef   0.50   22
## 770        NA_sk_Precipitation_amount..40   min   coef   0.50   36
## 771                    NA_sk_Snow_depth..1   min   coef   0.50   11
## 772                    NA_sk_Snow_depth..4   min   coef   0.50   26
## 773                          NA_total_prec   min   coef   0.50    9
## 774                     vegetative_avg_temp   min   coef   0.50   61
## 775  vegetative_fq_Maximum_temperature..31   min   coef   0.50   34
## 776 vegetative_fq_Precipitation_amount..0.1   min   coef   0.50   13
## 777  vegetative_fq_Precipitation_amount..40   min   coef   0.50   33
## 778            vegetative_fq_Snow_depth..1   min   coef   0.50   61
## 779            vegetative_fq_Snow_depth..4   min   coef   0.50   61
## 780                 vegetative_length_days   min   coef   0.50   61
## 781               vegetative_since_nyear_days   min   coef   0.50    6
## 782  vegetative_sk_Maximum_temperature..31   min   coef   0.50   35
## 783 vegetative_sk_Precipitation_amount..0.1   min   coef   0.50   15
## 784  vegetative_sk_Precipitation_amount..40   min   coef   0.50   40
## 785            vegetative_sk_Snow_depth..1   min   coef   0.50   61
## 786            vegetative_sk_Snow_depth..4   min   coef   0.50   61
## 787                   vegetative_total_prec   min   coef   0.50   17
## 788                          critical_events   min   coef   0.50   61
## 789                                  filling   min   coef   0.50   30
## 790                               generative   min   coef   0.50   61
## 791                                     NA.   min   coef   0.50    8
## 792                                vegetative   min   coef   0.50   61
## 793                                     area   min   coef   0.50    1
## 794                        filling_avg_temp   min    s1   0.50    2
## 795        filling_fq_Maximum_temperature..31   min    s1   0.50   61
## 796       filling_fq_Precipitation_amount..0.1   min    s1   0.50   61
## 797        filling_fq_Precipitation_amount..40   min    s1   0.50   20
## 798               filling_fq_Snow_depth..1   min    s1   0.50    7
## 799                      filling_length_days   min    s1   0.50   10
## 800                   filling_since_nyear_days   min    s1   0.50   61
## 801                   filling_since_seed_days   min    s1   0.50   61
## 802        filling_sk_Maximum_temperature..31   min    s1   0.50   22
## 803       filling_sk_Precipitation_amount..0.1   min    s1   0.50   61
## 804        filling_sk_Precipitation_amount..40   min    s1   0.50   61
## 805               filling_sk_Snow_depth..1   min    s1   0.50   24
## 806                      filling_total_prec   min    s1   0.50   16
## 807                     generative_avg_temp   min    s1   0.50    5
## 808  generative_fq_Maximum_temperature..31   min    s1   0.50   23
## 809 generative_fq_Precipitation_amount..0.1   min    s1   0.50   38
## 810  generative_fq_Precipitation_amount..40   min    s1   0.50   34
## 811             generative_fq_Snow_depth..1   min    s1   0.50   26
```

```
## 812                 generative_length_days    min    s1   0.50   35
## 813              generative_since_nyear_days   min    s1   0.50   61
## 814               generative_since_seed_days   min    s1   0.50   61
## 815    generative_sk_Maximum_temperature..31  min    s1   0.50   25
## 816   generative_sk_Precipitation_amount..0.1 min    s1   0.50   29
## 817    generative_sk_Precipitation_amount..40 min    s1   0.50   27
## 818             generative_sk_Snow_depth..1   min    s1   0.50   37
## 819                   generative_total_prec   min    s1   0.50   19
## 820                            NA_avg_temp    min    s1   0.50    4
## 821        NA_fq_Maximum_temperature..31      min    s1   0.50   32
## 822        NA_fq_Minimum_temperature...15     min    s1   0.50   61
## 823        NA_fq_Precipitation_amount..0.1    min    s1   0.50    3
## 824        NA_fq_Precipitation_amount..40     min    s1   0.50   41
## 825                 NA_fq_Snow_depth..1       min    s1   0.50   17
## 826                 NA_fq_Snow_depth..4       min    s1   0.50   11
## 827                      NA_length_days       min    s1   0.50   61
## 828        NA_sk_Maximum_temperature..31      min    s1   0.50   21
## 829        NA_sk_Minimum_temperature...15     min    s1   0.50   61
## 830        NA_sk_Precipitation_amount..0.1    min    s1   0.50   15
## 831        NA_sk_Precipitation_amount..40     min    s1   0.50   33
## 832                 NA_sk_Snow_depth..1       min    s1   0.50    9
## 833                 NA_sk_Snow_depth..4       min    s1   0.50   28
## 834                       NA_total_prec       min    s1   0.50   12
## 835                   vegetative_avg_temp     min    s1   0.50   61
## 836   vegetative_fq_Maximum_temperature..31  min    s1   0.50   31
## 837   vegetative_fq_Precipitation_amount..0.1 min    s1   0.50   14
## 838   vegetative_fq_Precipitation_amount..40 min    s1   0.50   30
## 839             vegetative_fq_Snow_depth..1  min    s1   0.50   61
## 840             vegetative_fq_Snow_depth..4  min    s1   0.50   61
## 841                 vegetative_length_days   min    s1   0.50   61
## 842              vegetative_since_nyear_days min    s1   0.50    8
## 843   vegetative_sk_Maximum_temperature..31  min    s1   0.50   39
## 844   vegetative_sk_Precipitation_amount..0.1 min    s1   0.50   13
## 845   vegetative_sk_Precipitation_amount..40 min    s1   0.50   40
## 846             vegetative_sk_Snow_depth..1  min    s1   0.50   61
## 847             vegetative_sk_Snow_depth..4  min    s1   0.50   61
## 848                 vegetative_total_prec    min    s1   0.50   18
## 849                      critical_events     min    s1   0.50   61
## 850                            filling        min    s1   0.50   36
## 851                         generative        min    s1   0.50   61
## 852                                NA.        min    s1   0.50    6
## 853                          vegetative      min    s1   0.50   61
## 854                               area       min    s1   0.50    1
## 855                    filling_avg_temp      min    st   0.50    2
## 856       filling_fq_Maximum_temperature..31 min    st   0.50   61
## 857      filling_fq_Precipitation_amount..0.1 min    st   0.50   61
## 858      filling_fq_Precipitation_amount..40  min    st   0.50   19
## 859             filling_fq_Snow_depth..1     min    st   0.50    6
## 860                 filling_length_days      min    st   0.50   12
## 861              filling_since_nyear_days    min    st   0.50   61
## 862               filling_since_seed_days    min    st   0.50   61
## 863       filling_sk_Maximum_temperature..31 min    st   0.50   23
## 864      filling_sk_Precipitation_amount..0.1 min    st   0.50   61
## 865       filling_sk_Precipitation_amount..40 min    st   0.50   61
```

```
## 866              filling_sk_Snow_depth..1   min    st   0.50   24
## 867                  filling_total_prec      min    st   0.50   15
## 868                 generative_avg_temp      min    st   0.50    5
## 869  generative_fq_Maximum_temperature..31   min    st   0.50   22
## 870  generative_fq_Precipitation_amount..0.1 min    st   0.50   39
## 871   generative_fq_Precipitation_amount..40 min    st   0.50   32
## 872           generative_fq_Snow_depth..1    min    st   0.50   26
## 873              generative_length_days      min    st   0.50   35
## 874            generative_since_nyear_days   min    st   0.50   61
## 875            generative_since_seed_days    min    st   0.50   61
## 876  generative_sk_Maximum_temperature..31   min    st   0.50   25
## 877  generative_sk_Precipitation_amount..0.1 min    st   0.50   29
## 878   generative_sk_Precipitation_amount..40 min    st   0.50   30
## 879           generative_sk_Snow_depth..1    min    st   0.50   36
## 880                generative_total_prec    min    st   0.50   20
## 881                        NA_avg_temp       min    st   0.50    4
## 882       NA_fq_Maximum_temperature..31      min    st   0.50   31
## 883        NA_fq_Minimum_temperature...15    min    st   0.50   61
## 884       NA_fq_Precipitation_amount..0.1    min    st   0.50    3
## 885        NA_fq_Precipitation_amount..40    min    st   0.50   41
## 886                  NA_fq_Snow_depth..1     min    st   0.50   18
## 887                  NA_fq_Snow_depth..4     min    st   0.50   11
## 888                     NA_length_days       min    st   0.50   61
## 889       NA_sk_Maximum_temperature..31      min    st   0.50   21
## 890        NA_sk_Minimum_temperature...15    min    st   0.50   61
## 891       NA_sk_Precipitation_amount..0.1    min    st   0.50   16
## 892        NA_sk_Precipitation_amount..40    min    st   0.50   38
## 893                  NA_sk_Snow_depth..1     min    st   0.50    9
## 894                  NA_sk_Snow_depth..4     min    st   0.50   27
## 895                     NA_total_prec        min    st   0.50   10
## 896                 vegetative_avg_temp      min    st   0.50   61
## 897  vegetative_fq_Maximum_temperature..31   min    st   0.50   33
## 898  vegetative_fq_Precipitation_amount..0.1 min    st   0.50   14
## 899  vegetative_fq_Precipitation_amount..40  min    st   0.50   34
## 900           vegetative_fq_Snow_depth..1    min    st   0.50   61
## 901           vegetative_fq_Snow_depth..4    min    st   0.50   61
## 902              vegetative_length_days      min    st   0.50   61
## 903            vegetative_since_nyear_days   min    st   0.50    8
## 904  vegetative_sk_Maximum_temperature..31   min    st   0.50   37
## 905  vegetative_sk_Precipitation_amount..0.1 min    st   0.50   13
## 906  vegetative_sk_Precipitation_amount..40  min    st   0.50   40
## 907           vegetative_sk_Snow_depth..1    min    st   0.50   61
## 908           vegetative_sk_Snow_depth..4    min    st   0.50   61
## 909                vegetative_total_prec    min    st   0.50   17
## 910                    critical_events      min    st   0.50   61
## 911                          filling        min    st   0.50   28
## 912                        generative       min    st   0.50   61
## 913                             NA.         min    st   0.50    7
## 914                        vegetative       min    st   0.50   61
## 915                            area         min    st   0.50    1
## 916                  filling_avg_temp       1se   coef  0.50   61
## 917     filling_fq_Maximum_temperature..31   1se   coef  0.50   61
## 918     filling_fq_Precipitation_amount..0.1 1se   coef  0.50   61
## 919     filling_fq_Precipitation_amount..40  1se   coef  0.50   61
```

```
## 920              filling_fq_Snow_depth..1    1se    coef    0.50    61
## 921                  filling_length_days       1se    coef    0.50    61
## 922              filling_since_nyear_days      1se    coef    0.50    61
## 923              filling_since_seed_days       1se    coef    0.50     7
## 924      filling_sk_Maximum_temperature..31   1se    coef    0.50    19
## 925      filling_sk_Precipitation_amount..0.1  1se    coef    0.50    61
## 926      filling_sk_Precipitation_amount..40   1se    coef    0.50    61
## 927              filling_sk_Snow_depth..1      1se    coef    0.50    61
## 928                    filling_total_prec      1se    coef    0.50    10
## 929                    generative_avg_temp     1se    coef    0.50     6
## 930   generative_fq_Maximum_temperature..31   1se    coef    0.50    61
## 931   generative_fq_Precipitation_amount..0.1 1se    coef    0.50    61
## 932    generative_fq_Precipitation_amount..40 1se    coef    0.50    18
## 933              generative_fq_Snow_depth..1   1se    coef    0.50    13
## 934                 generative_length_days     1se    coef    0.50    11
## 935              generative_since_nyear_days   1se    coef    0.50    61
## 936              generative_since_seed_days    1se    coef    0.50    61
## 937   generative_sk_Maximum_temperature..31   1se    coef    0.50    61
## 938   generative_sk_Precipitation_amount..0.1 1se    coef    0.50    61
## 939   generative_sk_Precipitation_amount..40  1se    coef    0.50    17
## 940              generative_sk_Snow_depth..1   1se    coef    0.50    14
## 941                 generative_total_prec      1se    coef    0.50     8
## 942                          NA_avg_temp       1se    coef    0.50     3
## 943          NA_fq_Maximum_temperature..31    1se    coef    0.50    16
## 944          NA_fq_Minimum_temperature...15   1se    coef    0.50    61
## 945          NA_fq_Precipitation_amount..0.1  1se    coef    0.50     5
## 946          NA_fq_Precipitation_amount..40   1se    coef    0.50    61
## 947                  NA_fq_Snow_depth..1       1se    coef    0.50     9
## 948                  NA_fq_Snow_depth..4       1se    coef    0.50     4
## 949                       NA_length_days       1se    coef    0.50    61
## 950          NA_sk_Maximum_temperature..31    1se    coef    0.50    15
## 951          NA_sk_Minimum_temperature...15   1se    coef    0.50    61
## 952          NA_sk_Precipitation_amount..0.1  1se    coef    0.50    61
## 953          NA_sk_Precipitation_amount..40   1se    coef    0.50    61
## 954                  NA_sk_Snow_depth..1       1se    coef    0.50    61
## 955                  NA_sk_Snow_depth..4       1se    coef    0.50    61
## 956                        NA_total_prec       1se    coef    0.50    12
## 957                   vegetative_avg_temp      1se    coef    0.50    61
## 958   vegetative_fq_Maximum_temperature..31   1se    coef    0.50    61
## 959   vegetative_fq_Precipitation_amount..0.1 1se    coef    0.50    61
## 960   vegetative_fq_Precipitation_amount..40  1se    coef    0.50    61
## 961             vegetative_fq_Snow_depth..1    1se    coef    0.50    61
## 962             vegetative_fq_Snow_depth..4    1se    coef    0.50    61
## 963                 vegetative_length_days     1se    coef    0.50    61
## 964              vegetative_since_nyear_days   1se    coef    0.50     2
## 965   vegetative_sk_Maximum_temperature..31   1se    coef    0.50    61
## 966   vegetative_sk_Precipitation_amount..0.1 1se    coef    0.50    61
## 967   vegetative_sk_Precipitation_amount..40  1se    coef    0.50    61
## 968             vegetative_sk_Snow_depth..1    1se    coef    0.50    61
## 969             vegetative_sk_Snow_depth..4    1se    coef    0.50    61
## 970                 vegetative_total_prec      1se    coef    0.50    61
## 971                      critical_events       1se    coef    0.50    61
## 972                              filling       1se    coef    0.50    61
## 973                           generative       1se    coef    0.50    61
```

```
## 974                               NA.    1se  coef  0.50  61
## 975                        vegetative    1se  coef  0.50  61
## 976                              area    1se  coef  0.50   1
## 977                   filling_avg_temp    1se    s1  0.50  61
## 978    filling_fq_Maximum_temperature..31    1se    s1  0.50  61
## 979   filling_fq_Precipitation_amount..0.1    1se    s1  0.50  61
## 980    filling_fq_Precipitation_amount..40    1se    s1  0.50  61
## 981            filling_fq_Snow_depth..1    1se    s1  0.50  61
## 982             filling_length_days    1se    s1  0.50  61
## 983          filling_since_nyear_days    1se    s1  0.50  61
## 984          filling_since_seed_days    1se    s1  0.50   9
## 985    filling_sk_Maximum_temperature..31    1se    s1  0.50  61
## 986   filling_sk_Precipitation_amount..0.1    1se    s1  0.50  61
## 987    filling_sk_Precipitation_amount..40    1se    s1  0.50  61
## 988            filling_sk_Snow_depth..1    1se    s1  0.50  61
## 989             filling_total_prec    1se    s1  0.50  11
## 990            generative_avg_temp    1se    s1  0.50   6
## 991  generative_fq_Maximum_temperature..31    1se    s1  0.50  61
## 992  generative_fq_Precipitation_amount..0.1    1se    s1  0.50  61
## 993  generative_fq_Precipitation_amount..40    1se    s1  0.50  61
## 994          generative_fq_Snow_depth..1    1se    s1  0.50   7
## 995            generative_length_days    1se    s1  0.50  10
## 996          generative_since_nyear_days    1se    s1  0.50  61
## 997          generative_since_seed_days    1se    s1  0.50  61
## 998  generative_sk_Maximum_temperature..31    1se    s1  0.50  61
## 999  generative_sk_Precipitation_amount..0.1    1se    s1  0.50  61
## 1000  generative_sk_Precipitation_amount..40    1se    s1  0.50  61
## 1001          generative_sk_Snow_depth..1    1se    s1  0.50  13
## 1002            generative_total_prec    1se    s1  0.50   8
## 1003                    NA_avg_temp    1se    s1  0.50   4
## 1004        NA_fq_Maximum_temperature..31    1se    s1  0.50  61
## 1005        NA_fq_Minimum_temperature...15    1se    s1  0.50  61
## 1006       NA_fq_Precipitation_amount..0.1    1se    s1  0.50   2
## 1007        NA_fq_Precipitation_amount..40    1se    s1  0.50  61
## 1008                NA_fq_Snow_depth..1    1se    s1  0.50  12
## 1009                NA_fq_Snow_depth..4    1se    s1  0.50   5
## 1010                    NA_length_days    1se    s1  0.50  61
## 1011        NA_sk_Maximum_temperature..31    1se    s1  0.50  61
## 1012        NA_sk_Minimum_temperature...15    1se    s1  0.50  61
## 1013       NA_sk_Precipitation_amount..0.1    1se    s1  0.50  61
## 1014        NA_sk_Precipitation_amount..40    1se    s1  0.50  61
## 1015                NA_sk_Snow_depth..1    1se    s1  0.50  61
## 1016                NA_sk_Snow_depth..4    1se    s1  0.50  61
## 1017                    NA_total_prec    1se    s1  0.50  61
## 1018            vegetative_avg_temp    1se    s1  0.50  61
## 1019  vegetative_fq_Maximum_temperature..31    1se    s1  0.50  61
## 1020 vegetative_fq_Precipitation_amount..0.1    1se    s1  0.50  61
## 1021  vegetative_fq_Precipitation_amount..40    1se    s1  0.50  61
## 1022          vegetative_fq_Snow_depth..1    1se    s1  0.50  61
## 1023          vegetative_fq_Snow_depth..4    1se    s1  0.50  61
## 1024            vegetative_length_days    1se    s1  0.50  61
## 1025          vegetative_since_nyear_days    1se    s1  0.50   3
## 1026  vegetative_sk_Maximum_temperature..31    1se    s1  0.50  61
## 1027 vegetative_sk_Precipitation_amount..0.1    1se    s1  0.50  61
```

```
## 1028   vegetative_sk_Precipitation_amount..40      1se    s1   0.50   61
## 1029           vegetative_sk_Snow_depth..1          1se    s1   0.50   61
## 1030           vegetative_sk_Snow_depth..4          1se    s1   0.50   61
## 1031               vegetative_total_prec            1se    s1   0.50   61
## 1032                   critical_events              1se    s1   0.50   61
## 1033                        filling                 1se    s1   0.50   61
## 1034                       generative               1se    s1   0.50   61
## 1035                          NA.                   1se    s1   0.50   61
## 1036                       vegetative               1se    s1   0.50   61
## 1037                          area                  1se    s1   0.50    1
## 1038                   filling_avg_temp             1se    st   0.50   61
## 1039   filling_fq_Maximum_temperature..31           1se    st   0.50   61
## 1040   filling_fq_Precipitation_amount..0.1         1se    st   0.50   61
## 1041   filling_fq_Precipitation_amount..40          1se    st   0.50   61
## 1042           filling_fq_Snow_depth..1             1se    st   0.50   61
## 1043               filling_length_days             1se    st   0.50   61
## 1044             filling_since_nyear_days           1se    st   0.50   61
## 1045             filling_since_seed_days            1se    st   0.50   11
## 1046   filling_sk_Maximum_temperature..31           1se    st   0.50   61
## 1047   filling_sk_Precipitation_amount..0.1         1se    st   0.50   61
## 1048   filling_sk_Precipitation_amount..40          1se    st   0.50   61
## 1049           filling_sk_Snow_depth..1             1se    st   0.50   61
## 1050               filling_total_prec              1se    st   0.50   10
## 1051               generative_avg_temp             1se    st   0.50    6
## 1052   generative_fq_Maximum_temperature..31        1se    st   0.50   61
## 1053 generative_fq_Precipitation_amount..0.1        1se    st   0.50   61
## 1054  generative_fq_Precipitation_amount..40        1se    st   0.50   61
## 1055           generative_fq_Snow_depth..1          1se    st   0.50    7
## 1056               generative_length_days          1se    st   0.50   12
## 1057             generative_since_nyear_days        1se    st   0.50   61
## 1058             generative_since_seed_days         1se    st   0.50   61
## 1059   generative_sk_Maximum_temperature..31        1se    st   0.50   61
## 1060 generative_sk_Precipitation_amount..0.1        1se    st   0.50   61
## 1061  generative_sk_Precipitation_amount..40        1se    st   0.50   61
## 1062           generative_sk_Snow_depth..1          1se    st   0.50   13
## 1063               generative_total_prec           1se    st   0.50    9
## 1064                   NA_avg_temp                  1se    st   0.50    4
## 1065           NA_fq_Maximum_temperature..31        1se    st   0.50   61
## 1066           NA_fq_Minimum_temperature...15       1se    st   0.50   61
## 1067           NA_fq_Precipitation_amount..0.1      1se    st   0.50    2
## 1068           NA_fq_Precipitation_amount..40       1se    st   0.50   61
## 1069               NA_fq_Snow_depth..1              1se    st   0.50    8
## 1070               NA_fq_Snow_depth..4              1se    st   0.50    5
## 1071               NA_length_days                   1se    st   0.50   61
## 1072           NA_sk_Maximum_temperature..31        1se    st   0.50   61
## 1073           NA_sk_Minimum_temperature...15       1se    st   0.50   61
## 1074           NA_sk_Precipitation_amount..0.1      1se    st   0.50   61
## 1075           NA_sk_Precipitation_amount..40       1se    st   0.50   61
## 1076               NA_sk_Snow_depth..1              1se    st   0.50   61
## 1077               NA_sk_Snow_depth..4              1se    st   0.50   61
## 1078                   NA_total_prec                1se    st   0.50   61
## 1079               vegetative_avg_temp             1se    st   0.50   61
## 1080   vegetative_fq_Maximum_temperature..31        1se    st   0.50   61
## 1081 vegetative_fq_Precipitation_amount..0.1        1se    st   0.50   61
```

```
## 1082  vegetative_fq_Precipitation_amount..40    1se    st    0.50    61
## 1083          vegetative_fq_Snow_depth..1         1se    st    0.50    61
## 1084          vegetative_fq_Snow_depth..4         1se    st    0.50    61
## 1085              vegetative_length_days          1se    st    0.50    61
## 1086           vegetative_since_nyear_days        1se    st    0.50     3
## 1087  vegetative_sk_Maximum_temperature..31      1se    st    0.50    61
## 1088  vegetative_sk_Precipitation_amount..0.1    1se    st    0.50    61
## 1089  vegetative_sk_Precipitation_amount..40     1se    st    0.50    61
## 1090          vegetative_sk_Snow_depth..1         1se    st    0.50    61
## 1091          vegetative_sk_Snow_depth..4         1se    st    0.50    61
## 1092              vegetative_total_prec           1se    st    0.50    61
## 1093                  critical_events             1se    st    0.50    61
## 1094                      filling                 1se    st    0.50    61
## 1095                     generative               1se    st    0.50    61
## 1096                        NA.                   1se    st    0.50    61
## 1097                     vegetative               1se    st    0.50    61
## 1098                        area                  1se    st    0.50     1
## 1099                  filling_avg_temp            min    coef  0.75    61
## 1100   filling_fq_Maximum_temperature..31        min    coef  0.75    61
## 1101   filling_fq_Precipitation_amount..0.1      min    coef  0.75    61
## 1102   filling_fq_Precipitation_amount..40       min    coef  0.75    18
## 1103           filling_fq_Snow_depth..1          min    coef  0.75    61
## 1104              filling_length_days            min    coef  0.75    61
## 1105           filling_since_nyear_days          min    coef  0.75    61
## 1106           filling_since_seed_days           min    coef  0.75     7
## 1107   filling_sk_Maximum_temperature..31        min    coef  0.75    13
## 1108   filling_sk_Precipitation_amount..0.1      min    coef  0.75    61
## 1109   filling_sk_Precipitation_amount..40       min    coef  0.75    61
## 1110           filling_sk_Snow_depth..1          min    coef  0.75    61
## 1111              filling_total_prec             min    coef  0.75     9
## 1112              generative_avg_temp            min    coef  0.75     2
## 1113  generative_fq_Maximum_temperature..31     min    coef  0.75    61
## 1114  generative_fq_Precipitation_amount..0.1   min    coef  0.75    61
## 1115  generative_fq_Precipitation_amount..40    min    coef  0.75    15
## 1116          generative_fq_Snow_depth..1        min    coef  0.75    61
## 1117             generative_length_days          min    coef  0.75    61
## 1118          generative_since_nyear_days        min    coef  0.75    61
## 1119          generative_since_seed_days         min    coef  0.75    61
## 1120  generative_sk_Maximum_temperature..31     min    coef  0.75    61
## 1121  generative_sk_Precipitation_amount..0.1   min    coef  0.75    61
## 1122  generative_sk_Precipitation_amount..40    min    coef  0.75    17
## 1123          generative_sk_Snow_depth..1        min    coef  0.75    61
## 1124             generative_total_prec           min    coef  0.75    10
## 1125                   NA_avg_temp               min    coef  0.75     3
## 1126        NA_fq_Maximum_temperature..31        min    coef  0.75    14
## 1127        NA_fq_Minimum_temperature...15       min    coef  0.75    61
## 1128        NA_fq_Precipitation_amount..0.1      min    coef  0.75     4
## 1129        NA_fq_Precipitation_amount..40       min    coef  0.75    61
## 1130               NA_fq_Snow_depth..1           min    coef  0.75     8
## 1131               NA_fq_Snow_depth..4           min    coef  0.75    12
## 1132                  NA_length_days             min    coef  0.75    61
## 1133        NA_sk_Maximum_temperature..31        min    coef  0.75    16
## 1134        NA_sk_Minimum_temperature...15       min    coef  0.75    61
## 1135        NA_sk_Precipitation_amount..0.1      min    coef  0.75    61
```

```
## 1136          NA_sk_Precipitation_amount..40    min    coef   0.75    61
## 1137                   NA_sk_Snow_depth..1        min    coef   0.75    61
## 1138                   NA_sk_Snow_depth..4        min    coef   0.75    61
## 1139                        NA_total_prec         min    coef   0.75     6
## 1140                     vegetative_avg_temp      min    coef   0.75    61
## 1141  vegetative_fq_Maximum_temperature..31      min    coef   0.75    61
## 1142 vegetative_fq_Precipitation_amount..0.1     min    coef   0.75    61
## 1143  vegetative_fq_Precipitation_amount..40     min    coef   0.75    61
## 1144           vegetative_fq_Snow_depth..1       min    coef   0.75    61
## 1145           vegetative_fq_Snow_depth..4       min    coef   0.75    61
## 1146             vegetative_length_days          min    coef   0.75    61
## 1147           vegetative_since_nyear_days       min    coef   0.75     5
## 1148  vegetative_sk_Maximum_temperature..31      min    coef   0.75    61
## 1149 vegetative_sk_Precipitation_amount..0.1     min    coef   0.75    11
## 1150  vegetative_sk_Precipitation_amount..40     min    coef   0.75    61
## 1151           vegetative_sk_Snow_depth..1       min    coef   0.75    61
## 1152           vegetative_sk_Snow_depth..4       min    coef   0.75    61
## 1153             vegetative_total_prec           min    coef   0.75    19
## 1154                 critical_events             min    coef   0.75    61
## 1155                       filling                min    coef   0.75    61
## 1156                     generative               min    coef   0.75    61
## 1157                          NA.                 min    coef   0.75    61
## 1158                     vegetative               min    coef   0.75    61
## 1159                        area                  min    coef   0.75     1
## 1160               filling_avg_temp              min     s1    0.75     5
## 1161   filling_fq_Maximum_temperature..31        min     s1    0.75    61
## 1162   filling_fq_Precipitation_amount..0.1      min     s1    0.75    61
## 1163   filling_fq_Precipitation_amount..40       min     s1    0.75    19
## 1164            filling_fq_Snow_depth..1         min     s1    0.75     8
## 1165             filling_length_days             min     s1    0.75    18
## 1166           filling_since_nyear_days          min     s1    0.75    61
## 1167           filling_since_seed_days           min     s1    0.75    23
## 1168   filling_sk_Maximum_temperature..31        min     s1    0.75    21
## 1169   filling_sk_Precipitation_amount..0.1      min     s1    0.75    61
## 1170   filling_sk_Precipitation_amount..40       min     s1    0.75    61
## 1171            filling_sk_Snow_depth..1         min     s1    0.75    24
## 1172             filling_total_prec              min     s1    0.75    13
## 1173             generative_avg_temp             min     s1    0.75     3
## 1174  generative_fq_Maximum_temperature..31      min     s1    0.75    20
## 1175 generative_fq_Precipitation_amount..0.1     min     s1    0.75    61
## 1176  generative_fq_Precipitation_amount..40     min     s1    0.75    26
## 1177           generative_fq_Snow_depth..1       min     s1    0.75    61
## 1178             generative_length_days          min     s1    0.75    61
## 1179           generative_since_nyear_days       min     s1    0.75    61
## 1180           generative_since_seed_days        min     s1    0.75    61
## 1181  generative_sk_Maximum_temperature..31      min     s1    0.75    30
## 1182 generative_sk_Precipitation_amount..0.1     min     s1    0.75    27
## 1183  generative_sk_Precipitation_amount..40     min     s1    0.75    25
## 1184           generative_sk_Snow_depth..1       min     s1    0.75    61
## 1185             generative_total_prec           min     s1    0.75    17
## 1186                     NA_avg_temp             min     s1    0.75     4
## 1187       NA_fq_Maximum_temperature..31         min     s1    0.75    28
## 1188       NA_fq_Minimum_temperature...15        min     s1    0.75    61
## 1189       NA_fq_Precipitation_amount..0.1       min     s1    0.75     2
```

```
## 1190               NA_fq_Precipitation_amount..40    min    s1   0.75   61
## 1191                      NA_fq_Snow_depth..1         min    s1   0.75   11
## 1192                      NA_fq_Snow_depth..4         min    s1   0.75   61
## 1193                         NA_length_days           min    s1   0.75   61
## 1194            NA_sk_Maximum_temperature..31         min    s1   0.75   22
## 1195           NA_sk_Minimum_temperature...15         min    s1   0.75   61
## 1196           NA_sk_Precipitation_amount..0.1        min    s1   0.75   15
## 1197            NA_sk_Precipitation_amount..40        min    s1   0.75   61
## 1198                      NA_sk_Snow_depth..1         min    s1   0.75   10
## 1199                      NA_sk_Snow_depth..4         min    s1   0.75   61
## 1200                          NA_total_prec           min    s1   0.75    9
## 1201                       vegetative_avg_temp        min    s1   0.75   61
## 1202   vegetative_fq_Maximum_temperature..31         min    s1   0.75   61
## 1203 vegetative_fq_Precipitation_amount..0.1         min    s1   0.75   14
## 1204   vegetative_fq_Precipitation_amount..40        min    s1   0.75   31
## 1205              vegetative_fq_Snow_depth..1         min    s1   0.75   61
## 1206              vegetative_fq_Snow_depth..4         min    s1   0.75   61
## 1207                   vegetative_length_days         min    s1   0.75   61
## 1208              vegetative_since_nyear_days         min    s1   0.75    6
## 1209   vegetative_sk_Maximum_temperature..31         min    s1   0.75   61
## 1210 vegetative_sk_Precipitation_amount..0.1         min    s1   0.75   12
## 1211   vegetative_sk_Precipitation_amount..40        min    s1   0.75   32
## 1212              vegetative_sk_Snow_depth..1         min    s1   0.75   61
## 1213              vegetative_sk_Snow_depth..4         min    s1   0.75   61
## 1214                     vegetative_total_prec        min    s1   0.75   16
## 1215                        critical_events          min    s1   0.75   61
## 1216                               filling           min    s1   0.75   29
## 1217                             generative          min    s1   0.75   61
## 1218                                   NA.           min    s1   0.75    7
## 1219                             vegetative          min    s1   0.75   61
## 1220                                  area           min    s1   0.75    1
## 1221                       filling_avg_temp          min    st   0.75    5
## 1222      filling_fq_Maximum_temperature..31         min    st   0.75   61
## 1223      filling_fq_Precipitation_amount..0.1       min    st   0.75   61
## 1224       filling_fq_Precipitation_amount..40       min    st   0.75   18
## 1225                 filling_fq_Snow_depth..1         min    st   0.75    6
## 1226                    filling_length_days          min    st   0.75   14
## 1227                  filling_since_nyear_days        min    st   0.75   61
## 1228                  filling_since_seed_days         min    st   0.75   24
## 1229      filling_sk_Maximum_temperature..31         min    st   0.75   20
## 1230      filling_sk_Precipitation_amount..0.1       min    st   0.75   61
## 1231       filling_sk_Precipitation_amount..40       min    st   0.75   61
## 1232                 filling_sk_Snow_depth..1         min    st   0.75   23
## 1233                      filling_total_prec         min    st   0.75   12
## 1234                     generative_avg_temp         min    st   0.75    4
## 1235   generative_fq_Maximum_temperature..31         min    st   0.75   22
## 1236 generative_fq_Precipitation_amount..0.1         min    st   0.75   61
## 1237   generative_fq_Precipitation_amount..40        min    st   0.75   27
## 1238              generative_fq_Snow_depth..1         min    st   0.75   61
## 1239                   generative_length_days        min    st   0.75   61
## 1240              generative_since_nyear_days        min    st   0.75   61
## 1241              generative_since_seed_days         min    st   0.75   61
## 1242   generative_sk_Maximum_temperature..31         min    st   0.75   26
## 1243 generative_sk_Precipitation_amount..0.1         min    st   0.75   30
```

```
## 1244  generative_sk_Precipitation_amount..40     min     st    0.75    29
## 1245              generative_sk_Snow_depth..1     min     st    0.75    61
## 1246                      generative_total_prec   min     st    0.75    16
## 1247                             NA_avg_temp      min     st    0.75     3
## 1248        NA_fq_Maximum_temperature..31         min     st    0.75    25
## 1249        NA_fq_Minimum_temperature...15        min     st    0.75    61
## 1250        NA_fq_Precipitation_amount..0.1       min     st    0.75     2
## 1251        NA_fq_Precipitation_amount..40        min     st    0.75    61
## 1252                     NA_fq_Snow_depth..1      min     st    0.75    10
## 1253                     NA_fq_Snow_depth..4      min     st    0.75    61
## 1254                       NA_length_days         min     st    0.75    61
## 1255        NA_sk_Maximum_temperature..31         min     st    0.75    21
## 1256        NA_sk_Minimum_temperature...15        min     st    0.75    61
## 1257        NA_sk_Precipitation_amount..0.1       min     st    0.75    15
## 1258        NA_sk_Precipitation_amount..40        min     st    0.75    61
## 1259                     NA_sk_Snow_depth..1      min     st    0.75     9
## 1260                     NA_sk_Snow_depth..4      min     st    0.75    61
## 1261                           NA_total_prec      min     st    0.75    11
## 1262                    vegetative_avg_temp       min     st    0.75    61
## 1263  vegetative_fq_Maximum_temperature..31       min     st    0.75    61
## 1264  vegetative_fq_Precipitation_amount..0.1     min     st    0.75    17
## 1265  vegetative_fq_Precipitation_amount..40      min     st    0.75    31
## 1266             vegetative_fq_Snow_depth..1      min     st    0.75    61
## 1267             vegetative_fq_Snow_depth..4      min     st    0.75    61
## 1268                  vegetative_length_days      min     st    0.75    61
## 1269              vegetative_since_nyear_days     min     st    0.75     8
## 1270  vegetative_sk_Maximum_temperature..31       min     st    0.75    61
## 1271  vegetative_sk_Precipitation_amount..0.1     min     st    0.75    13
## 1272  vegetative_sk_Precipitation_amount..40      min     st    0.75    32
## 1273             vegetative_sk_Snow_depth..1      min     st    0.75    61
## 1274             vegetative_sk_Snow_depth..4      min     st    0.75    61
## 1275                   vegetative_total_prec     min     st    0.75    19
## 1276                         critical_events      min     st    0.75    61
## 1277                                 filling     min     st    0.75    28
## 1278                              generative     min     st    0.75    61
## 1279                                     NA.     min     st    0.75     7
## 1280                              vegetative     min     st    0.75    61
## 1281                                    area     min     st    0.75     1
## 1282                        filling_avg_temp     1se    coef    0.75    61
## 1283     filling_fq_Maximum_temperature..31      1se    coef    0.75    61
## 1284     filling_fq_Precipitation_amount..0.1    1se    coef    0.75    61
## 1285     filling_fq_Precipitation_amount..40     1se    coef    0.75    61
## 1286                filling_fq_Snow_depth..1     1se    coef    0.75    61
## 1287                     filling_length_days    1se    coef    0.75    61
## 1288                 filling_since_nyear_days    1se    coef    0.75    61
## 1289                  filling_since_seed_days    1se    coef    0.75    10
## 1290     filling_sk_Maximum_temperature..31      1se    coef    0.75    61
## 1291     filling_sk_Precipitation_amount..0.1    1se    coef    0.75    61
## 1292     filling_sk_Precipitation_amount..40     1se    coef    0.75    61
## 1293                filling_sk_Snow_depth..1     1se    coef    0.75    61
## 1294                       filling_total_prec    1se    coef    0.75     8
## 1295                       generative_avg_temp    1se    coef    0.75     4
## 1296  generative_fq_Maximum_temperature..31      1se    coef    0.75    61
## 1297  generative_fq_Precipitation_amount..0.1    1se    coef    0.75    61
```

```
## 1298  generative_fq_Precipitation_amount..40    1se   coef  0.75  15
## 1299              generative_fq_Snow_depth..1     1se   coef  0.75  12
## 1300                   generative_length_days     1se   coef  0.75  13
## 1301              generative_since_nyear_days     1se   coef  0.75  61
## 1302               generative_since_seed_days     1se   coef  0.75  61
## 1303  generative_sk_Maximum_temperature..31     1se   coef  0.75  61
## 1304 generative_sk_Precipitation_amount..0.1    1se   coef  0.75  61
## 1305  generative_sk_Precipitation_amount..40    1se   coef  0.75  17
## 1306              generative_sk_Snow_depth..1    1se   coef  0.75  18
## 1307                   generative_total_prec     1se   coef  0.75   7
## 1308                             NA_avg_temp     1se   coef  0.75   2
## 1309       NA_fq_Maximum_temperature..31       1se   coef  0.75  14
## 1310       NA_fq_Minimum_temperature...15      1se   coef  0.75  61
## 1311       NA_fq_Precipitation_amount..0.1     1se   coef  0.75   6
## 1312       NA_fq_Precipitation_amount..40      1se   coef  0.75  61
## 1313                     NA_fq_Snow_depth..1   1se   coef  0.75   9
## 1314                     NA_fq_Snow_depth..4   1se   coef  0.75   5
## 1315                           NA_length_days  1se   coef  0.75  61
## 1316       NA_sk_Maximum_temperature..31       1se   coef  0.75  16
## 1317       NA_sk_Minimum_temperature...15      1se   coef  0.75  61
## 1318       NA_sk_Precipitation_amount..0.1     1se   coef  0.75  61
## 1319       NA_sk_Precipitation_amount..40      1se   coef  0.75  61
## 1320                     NA_sk_Snow_depth..1   1se   coef  0.75  61
## 1321                     NA_sk_Snow_depth..4   1se   coef  0.75  61
## 1322                            NA_total_prec  1se   coef  0.75  11
## 1323                       vegetative_avg_temp 1se   coef  0.75  61
## 1324  vegetative_fq_Maximum_temperature..31   1se   coef  0.75  61
## 1325 vegetative_fq_Precipitation_amount..0.1  1se   coef  0.75  61
## 1326  vegetative_fq_Precipitation_amount..40  1se   coef  0.75  61
## 1327              vegetative_fq_Snow_depth..1  1se   coef  0.75  61
## 1328              vegetative_fq_Snow_depth..4  1se   coef  0.75  61
## 1329                   vegetative_length_days  1se   coef  0.75  61
## 1330              vegetative_since_nyear_days  1se   coef  0.75   3
## 1331  vegetative_sk_Maximum_temperature..31   1se   coef  0.75  61
## 1332 vegetative_sk_Precipitation_amount..0.1  1se   coef  0.75  61
## 1333  vegetative_sk_Precipitation_amount..40  1se   coef  0.75  61
## 1334              vegetative_sk_Snow_depth..1  1se   coef  0.75  61
## 1335              vegetative_sk_Snow_depth..4  1se   coef  0.75  61
## 1336                   vegetative_total_prec   1se   coef  0.75  61
## 1337                          critical_events  1se   coef  0.75  61
## 1338                                  filling  1se   coef  0.75  61
## 1339                               generative  1se   coef  0.75  61
## 1340                                      NA.  1se   coef  0.75  61
## 1341                               vegetative  1se   coef  0.75  61
## 1342                                     area  1se   coef  0.75   1
## 1343                         filling_avg_temp  1se     s1  0.75  61
## 1344       filling_fq_Maximum_temperature..31 1se     s1  0.75  61
## 1345     filling_fq_Precipitation_amount..0.1 1se     s1  0.75  61
## 1346      filling_fq_Precipitation_amount..40 1se     s1  0.75  61
## 1347                 filling_fq_Snow_depth..1  1se     s1  0.75  61
## 1348                      filling_length_days  1se     s1  0.75  61
## 1349                 filling_since_nyear_days  1se     s1  0.75  61
## 1350                  filling_since_seed_days  1se     s1  0.75  61
## 1351       filling_sk_Maximum_temperature..31 1se     s1  0.75  61
```

```
## 1352        filling_sk_Precipitation_amount..0.1   1se   s1   0.75   61
## 1353         filling_sk_Precipitation_amount..40   1se   s1   0.75   61
## 1354                  filling_sk_Snow_depth..1   1se   s1   0.75   61
## 1355                      filling_total_prec   1se   s1   0.75    9
## 1356                      generative_avg_temp   1se   s1   0.75    6
## 1357  generative_fq_Maximum_temperature..31   1se   s1   0.75   61
## 1358 generative_fq_Precipitation_amount..0.1   1se   s1   0.75   61
## 1359  generative_fq_Precipitation_amount..40   1se   s1   0.75   61
## 1360             generative_fq_Snow_depth..1   1se   s1   0.75    7
## 1361                  generative_length_days   1se   s1   0.75   10
## 1362             generative_since_nyear_days   1se   s1   0.75   61
## 1363              generative_since_seed_days   1se   s1   0.75   61
## 1364  generative_sk_Maximum_temperature..31   1se   s1   0.75   61
## 1365 generative_sk_Precipitation_amount..0.1   1se   s1   0.75   61
## 1366  generative_sk_Precipitation_amount..40   1se   s1   0.75   61
## 1367             generative_sk_Snow_depth..1   1se   s1   0.75   11
## 1368                    generative_total_prec   1se   s1   0.75    8
## 1369                             NA_avg_temp   1se   s1   0.75    4
## 1370          NA_fq_Maximum_temperature..31   1se   s1   0.75   61
## 1371          NA_fq_Minimum_temperature...15   1se   s1   0.75   61
## 1372          NA_fq_Precipitation_amount..0.1   1se   s1   0.75    2
## 1373          NA_fq_Precipitation_amount..40   1se   s1   0.75   61
## 1374                     NA_fq_Snow_depth..1   1se   s1   0.75   61
## 1375                     NA_fq_Snow_depth..4   1se   s1   0.75    5
## 1376                          NA_length_days   1se   s1   0.75   61
## 1377          NA_sk_Maximum_temperature..31   1se   s1   0.75   61
## 1378          NA_sk_Minimum_temperature...15   1se   s1   0.75   61
## 1379          NA_sk_Precipitation_amount..0.1   1se   s1   0.75   61
## 1380          NA_sk_Precipitation_amount..40   1se   s1   0.75   61
## 1381                     NA_sk_Snow_depth..1   1se   s1   0.75   61
## 1382                     NA_sk_Snow_depth..4   1se   s1   0.75   61
## 1383                            NA_total_prec   1se   s1   0.75   61
## 1384                      vegetative_avg_temp   1se   s1   0.75   61
## 1385   vegetative_fq_Maximum_temperature..31   1se   s1   0.75   61
## 1386 vegetative_fq_Precipitation_amount..0.1   1se   s1   0.75   61
## 1387  vegetative_fq_Precipitation_amount..40   1se   s1   0.75   61
## 1388             vegetative_fq_Snow_depth..1   1se   s1   0.75   61
## 1389             vegetative_fq_Snow_depth..4   1se   s1   0.75   61
## 1390                  vegetative_length_days   1se   s1   0.75   61
## 1391             vegetative_since_nyear_days   1se   s1   0.75    3
## 1392   vegetative_sk_Maximum_temperature..31   1se   s1   0.75   61
## 1393 vegetative_sk_Precipitation_amount..0.1   1se   s1   0.75   61
## 1394  vegetative_sk_Precipitation_amount..40   1se   s1   0.75   61
## 1395             vegetative_sk_Snow_depth..1   1se   s1   0.75   61
## 1396             vegetative_sk_Snow_depth..4   1se   s1   0.75   61
## 1397                    vegetative_total_prec   1se   s1   0.75   61
## 1398                          critical_events   1se   s1   0.75   61
## 1399                                  filling   1se   s1   0.75   61
## 1400                               generative   1se   s1   0.75   61
## 1401                                      NA.   1se   s1   0.75   61
## 1402                               vegetative   1se   s1   0.75   61
## 1403                                     area   1se   s1   0.75    1
## 1404                          filling_avg_temp   1se   st   0.75   61
## 1405      filling_fq_Maximum_temperature..31   1se   st   0.75   61
```

```
## 1406      filling_fq_Precipitation_amount..0.1    1se    st   0.75   61
## 1407       filling_fq_Precipitation_amount..40    1se    st   0.75   61
## 1408              filling_fq_Snow_depth..1        1se    st   0.75   61
## 1409                  filling_length_days          1se    st   0.75   61
## 1410              filling_since_nyear_days         1se    st   0.75   61
## 1411               filling_since_seed_days         1se    st   0.75   61
## 1412    filling_sk_Maximum_temperature..31        1se    st   0.75   61
## 1413     filling_sk_Precipitation_amount..0.1     1se    st   0.75   61
## 1414      filling_sk_Precipitation_amount..40     1se    st   0.75   61
## 1415              filling_sk_Snow_depth..1        1se    st   0.75   61
## 1416                   filling_total_prec          1se    st   0.75    9
## 1417                  generative_avg_temp          1se    st   0.75    6
## 1418 generative_fq_Maximum_temperature..31        1se    st   0.75   61
## 1419 generative_fq_Precipitation_amount..0.1      1se    st   0.75   61
## 1420  generative_fq_Precipitation_amount..40      1se    st   0.75   61
## 1421            generative_fq_Snow_depth..1       1se    st   0.75    7
## 1422               generative_length_days         1se    st   0.75   10
## 1423           generative_since_nyear_days        1se    st   0.75   61
## 1424            generative_since_seed_days        1se    st   0.75   61
## 1425 generative_sk_Maximum_temperature..31        1se    st   0.75   61
## 1426 generative_sk_Precipitation_amount..0.1      1se    st   0.75   61
## 1427  generative_sk_Precipitation_amount..40      1se    st   0.75   61
## 1428            generative_sk_Snow_depth..1       1se    st   0.75   11
## 1429               generative_total_prec          1se    st   0.75    8
## 1430                       NA_avg_temp            1se    st   0.75    4
## 1431        NA_fq_Maximum_temperature..31         1se    st   0.75   61
## 1432        NA_fq_Minimum_temperature...15        1se    st   0.75   61
## 1433        NA_fq_Precipitation_amount..0.1       1se    st   0.75    2
## 1434        NA_fq_Precipitation_amount..40        1se    st   0.75   61
## 1435                NA_fq_Snow_depth..1           1se    st   0.75   61
## 1436                NA_fq_Snow_depth..4           1se    st   0.75    5
## 1437                    NA_length_days            1se    st   0.75   61
## 1438        NA_sk_Maximum_temperature..31         1se    st   0.75   61
## 1439        NA_sk_Minimum_temperature...15        1se    st   0.75   61
## 1440        NA_sk_Precipitation_amount..0.1       1se    st   0.75   61
## 1441        NA_sk_Precipitation_amount..40        1se    st   0.75   61
## 1442                NA_sk_Snow_depth..1           1se    st   0.75   61
## 1443                NA_sk_Snow_depth..4           1se    st   0.75   61
## 1444                    NA_total_prec             1se    st   0.75   61
## 1445                 vegetative_avg_temp          1se    st   0.75   61
## 1446  vegetative_fq_Maximum_temperature..31       1se    st   0.75   61
## 1447 vegetative_fq_Precipitation_amount..0.1      1se    st   0.75   61
## 1448  vegetative_fq_Precipitation_amount..40      1se    st   0.75   61
## 1449            vegetative_fq_Snow_depth..1       1se    st   0.75   61
## 1450            vegetative_fq_Snow_depth..4       1se    st   0.75   61
## 1451               vegetative_length_days         1se    st   0.75   61
## 1452           vegetative_since_nyear_days        1se    st   0.75    3
## 1453  vegetative_sk_Maximum_temperature..31       1se    st   0.75   61
## 1454 vegetative_sk_Precipitation_amount..0.1      1se    st   0.75   61
## 1455  vegetative_sk_Precipitation_amount..40      1se    st   0.75   61
## 1456            vegetative_sk_Snow_depth..1       1se    st   0.75   61
## 1457            vegetative_sk_Snow_depth..4       1se    st   0.75   61
## 1458               vegetative_total_prec          1se    st   0.75   61
## 1459                   critical_events            1se    st   0.75   61
```

```
## 1460                               filling  1se    st  0.75  61
## 1461                            generative  1se    st  0.75  61
## 1462                                   NA.  1se    st  0.75  61
## 1463                            vegetative  1se    st  0.75  61
## 1464                                  area  1se    st  0.75   1
## 1465                      filling_avg_temp  min  coef  1.00   2
## 1466    filling_fq_Maximum_temperature..31  min  coef  1.00  61
## 1467   filling_fq_Precipitation_amount..0.1  min  coef  1.00  61
## 1468    filling_fq_Precipitation_amount..40  min  coef  1.00  20
## 1469                filling_fq_Snow_depth..1  min  coef  1.00   5
## 1470                    filling_length_days  min  coef  1.00  35
## 1471               filling_since_nyear_days  min  coef  1.00  61
## 1472                filling_since_seed_days  min  coef  1.00  26
## 1473    filling_sk_Maximum_temperature..31  min  coef  1.00  23
## 1474   filling_sk_Precipitation_amount..0.1  min  coef  1.00  61
## 1475    filling_sk_Precipitation_amount..40  min  coef  1.00  61
## 1476                filling_sk_Snow_depth..1  min  coef  1.00  25
## 1477                     filling_total_prec  min  coef  1.00  12
## 1478                   generative_avg_temp  min  coef  1.00   3
## 1479  generative_fq_Maximum_temperature..31  min  coef  1.00  19
## 1480 generative_fq_Precipitation_amount..0.1  min  coef  1.00  61
## 1481  generative_fq_Precipitation_amount..40  min  coef  1.00  18
## 1482            generative_fq_Snow_depth..1  min  coef  1.00  61
## 1483                 generative_length_days  min  coef  1.00  61
## 1484            generative_since_nyear_days  min  coef  1.00  61
## 1485             generative_since_seed_days  min  coef  1.00  61
## 1486  generative_sk_Maximum_temperature..31  min  coef  1.00  30
## 1487 generative_sk_Precipitation_amount..0.1  min  coef  1.00  24
## 1488  generative_sk_Precipitation_amount..40  min  coef  1.00  32
## 1489            generative_sk_Snow_depth..1  min  coef  1.00  61
## 1490                 generative_total_prec  min  coef  1.00  15
## 1491                           NA_avg_temp  min  coef  1.00   4
## 1492         NA_fq_Maximum_temperature..31  min  coef  1.00  22
## 1493         NA_fq_Minimum_temperature...15  min  coef  1.00  61
## 1494        NA_fq_Precipitation_amount..0.1  min  coef  1.00   8
## 1495         NA_fq_Precipitation_amount..40  min  coef  1.00  61
## 1496                    NA_fq_Snow_depth..1  min  coef  1.00   6
## 1497                    NA_fq_Snow_depth..4  min  coef  1.00  61
## 1498                          NA_length_days  min  coef  1.00  61
## 1499         NA_sk_Maximum_temperature..31  min  coef  1.00  17
## 1500         NA_sk_Minimum_temperature...15  min  coef  1.00  61
## 1501        NA_sk_Precipitation_amount..0.1  min  coef  1.00  21
## 1502         NA_sk_Precipitation_amount..40  min  coef  1.00  61
## 1503                    NA_sk_Snow_depth..1  min  coef  1.00  11
## 1504                    NA_sk_Snow_depth..4  min  coef  1.00  31
## 1505                         NA_total_prec  min  coef  1.00   9
## 1506                   vegetative_avg_temp  min  coef  1.00  61
## 1507  vegetative_fq_Maximum_temperature..31  min  coef  1.00  29
## 1508 vegetative_fq_Precipitation_amount..0.1  min  coef  1.00  13
## 1509  vegetative_fq_Precipitation_amount..40  min  coef  1.00  28
## 1510            vegetative_fq_Snow_depth..1  min  coef  1.00  61
## 1511            vegetative_fq_Snow_depth..4  min  coef  1.00  61
## 1512                 vegetative_length_days  min  coef  1.00  61
## 1513            vegetative_since_nyear_days  min  coef  1.00   7
```

```
## 1514   vegetative_sk_Maximum_temperature..31    min    coef    1.00    33
## 1515  vegetative_sk_Precipitation_amount..0.1    min    coef    1.00    14
## 1516   vegetative_sk_Precipitation_amount..40    min    coef    1.00    34
## 1517            vegetative_sk_Snow_depth..1    min    coef    1.00    61
## 1518            vegetative_sk_Snow_depth..4    min    coef    1.00    61
## 1519                   vegetative_total_prec    min    coef    1.00    16
## 1520                      critical_events    min    coef    1.00    61
## 1521                            filling    min    coef    1.00    27
## 1522                         generative    min    coef    1.00    61
## 1523                                NA.    min    coef    1.00    10
## 1524                         vegetative    min    coef    1.00    61
## 1525                               area    min    coef    1.00     1
## 1526                   filling_avg_temp    min      s1    1.00     4
## 1527    filling_fq_Maximum_temperature..31    min      s1    1.00    61
## 1528    filling_fq_Precipitation_amount..0.1    min      s1    1.00    61
## 1529    filling_fq_Precipitation_amount..40    min      s1    1.00    19
## 1530            filling_fq_Snow_depth..1    min      s1    1.00     6
## 1531                 filling_length_days    min      s1    1.00    61
## 1532             filling_since_nyear_days    min      s1    1.00    61
## 1533             filling_since_seed_days    min      s1    1.00    23
## 1534    filling_sk_Maximum_temperature..31    min      s1    1.00    21
## 1535    filling_sk_Precipitation_amount..0.1    min      s1    1.00    61
## 1536    filling_sk_Precipitation_amount..40    min      s1    1.00    61
## 1537            filling_sk_Snow_depth..1    min      s1    1.00    24
## 1538                   filling_total_prec    min      s1    1.00    11
## 1539                 generative_avg_temp    min      s1    1.00     3
## 1540  generative_fq_Maximum_temperature..31    min      s1    1.00    18
## 1541 generative_fq_Precipitation_amount..0.1    min      s1    1.00    61
## 1542  generative_fq_Precipitation_amount..40    min      s1    1.00    22
## 1543          generative_fq_Snow_depth..1    min      s1    1.00    61
## 1544              generative_length_days    min      s1    1.00    61
## 1545           generative_since_nyear_days    min      s1    1.00    61
## 1546           generative_since_seed_days    min      s1    1.00    61
## 1547  generative_sk_Maximum_temperature..31    min      s1    1.00    29
## 1548 generative_sk_Precipitation_amount..0.1    min      s1    1.00    25
## 1549  generative_sk_Precipitation_amount..40    min      s1    1.00    30
## 1550          generative_sk_Snow_depth..1    min      s1    1.00    61
## 1551                generative_total_prec    min      s1    1.00    16
## 1552                        NA_avg_temp    min      s1    1.00     5
## 1553         NA_fq_Maximum_temperature..31    min      s1    1.00    26
## 1554         NA_fq_Minimum_temperature...15    min      s1    1.00    61
## 1555         NA_fq_Precipitation_amount..0.1    min      s1    1.00     2
## 1556         NA_fq_Precipitation_amount..40    min      s1    1.00    61
## 1557               NA_fq_Snow_depth..1    min      s1    1.00    13
## 1558               NA_fq_Snow_depth..4    min      s1    1.00    61
## 1559                     NA_length_days    min      s1    1.00    61
## 1560         NA_sk_Maximum_temperature..31    min      s1    1.00    20
## 1561         NA_sk_Minimum_temperature...15    min      s1    1.00    61
## 1562         NA_sk_Precipitation_amount..0.1    min      s1    1.00    14
## 1563         NA_sk_Precipitation_amount..40    min      s1    1.00    61
## 1564               NA_sk_Snow_depth..1    min      s1    1.00     9
## 1565               NA_sk_Snow_depth..4    min      s1    1.00    61
## 1566                     NA_total_prec    min      s1    1.00    10
## 1567                 vegetative_avg_temp    min      s1    1.00    61
```

```
## 1568    vegetative_fq_Maximum_temperature..31    min    s1    1.00    61
## 1569  vegetative_fq_Precipitation_amount..0.1    min    s1    1.00    15
## 1570   vegetative_fq_Precipitation_amount..40    min    s1    1.00    28
## 1571            vegetative_fq_Snow_depth..1    min    s1    1.00    61
## 1572            vegetative_fq_Snow_depth..4    min    s1    1.00    61
## 1573                  vegetative_length_days    min    s1    1.00    61
## 1574               vegetative_since_nyear_days    min    s1    1.00     8
## 1575    vegetative_sk_Maximum_temperature..31    min    s1    1.00    61
## 1576  vegetative_sk_Precipitation_amount..0.1    min    s1    1.00    12
## 1577   vegetative_sk_Precipitation_amount..40    min    s1    1.00    31
## 1578            vegetative_sk_Snow_depth..1    min    s1    1.00    61
## 1579            vegetative_sk_Snow_depth..4    min    s1    1.00    61
## 1580                  vegetative_total_prec    min    s1    1.00    17
## 1581                      critical_events    min    s1    1.00    61
## 1582                           filling    min    s1    1.00    27
## 1583                        generative    min    s1    1.00    61
## 1584                              NA.    min    s1    1.00     7
## 1585                       vegetative    min    s1    1.00    61
## 1586                             area    min    s1    1.00     1
## 1587                   filling_avg_temp    min    st    1.00     4
## 1588    filling_fq_Maximum_temperature..31    min    st    1.00    61
## 1589   filling_fq_Precipitation_amount..0.1    min    st    1.00    61
## 1590    filling_fq_Precipitation_amount..40    min    st    1.00    19
## 1591            filling_fq_Snow_depth..1    min    st    1.00     6
## 1592                filling_length_days    min    st    1.00    61
## 1593              filling_since_nyear_days    min    st    1.00    61
## 1594              filling_since_seed_days    min    st    1.00    23
## 1595    filling_sk_Maximum_temperature..31    min    st    1.00    21
## 1596   filling_sk_Precipitation_amount..0.1    min    st    1.00    61
## 1597    filling_sk_Precipitation_amount..40    min    st    1.00    61
## 1598            filling_sk_Snow_depth..1    min    st    1.00    22
## 1599                  filling_total_prec    min    st    1.00    12
## 1600                 generative_avg_temp    min    st    1.00     5
## 1601  generative_fq_Maximum_temperature..31    min    st    1.00    16
## 1602 generative_fq_Precipitation_amount..0.1    min    st    1.00    61
## 1603  generative_fq_Precipitation_amount..40    min    st    1.00    24
## 1604          generative_fq_Snow_depth..1    min    st    1.00    61
## 1605              generative_length_days    min    st    1.00    61
## 1606            generative_since_nyear_days    min    st    1.00    61
## 1607            generative_since_seed_days    min    st    1.00    61
## 1608  generative_sk_Maximum_temperature..31    min    st    1.00    28
## 1609 generative_sk_Precipitation_amount..0.1    min    st    1.00    26
## 1610  generative_sk_Precipitation_amount..40    min    st    1.00    30
## 1611          generative_sk_Snow_depth..1    min    st    1.00    61
## 1612               generative_total_prec    min    st    1.00    17
## 1613                      NA_avg_temp    min    st    1.00     3
## 1614         NA_fq_Maximum_temperature..31    min    st    1.00    29
## 1615         NA_fq_Minimum_temperature...15    min    st    1.00    61
## 1616       NA_fq_Precipitation_amount..0.1    min    st    1.00     2
## 1617        NA_fq_Precipitation_amount..40    min    st    1.00    61
## 1618                 NA_fq_Snow_depth..1    min    st    1.00    13
## 1619                 NA_fq_Snow_depth..4    min    st    1.00    61
## 1620                    NA_length_days    min    st    1.00    61
## 1621         NA_sk_Maximum_temperature..31    min    st    1.00    20
```

```
## 1622        NA_sk_Minimum_temperature...15   min    st   1.00   61
## 1623        NA_sk_Precipitation_amount..0.1   min    st   1.00   14
## 1624        NA_sk_Precipitation_amount..40    min    st   1.00   61
## 1625               NA_sk_Snow_depth..1        min    st   1.00    9
## 1626               NA_sk_Snow_depth..4        min    st   1.00   61
## 1627                      NA_total_prec       min    st   1.00   10
## 1628                   vegetative_avg_temp    min    st   1.00   61
## 1629  vegetative_fq_Maximum_temperature..31   min    st   1.00   61
## 1630 vegetative_fq_Precipitation_amount..0.1  min    st   1.00   15
## 1631  vegetative_fq_Precipitation_amount..40  min    st   1.00   27
## 1632          vegetative_fq_Snow_depth..1     min    st   1.00   61
## 1633          vegetative_fq_Snow_depth..4     min    st   1.00   61
## 1634             vegetative_length_days       min    st   1.00   61
## 1635           vegetative_since_nyear_days    min    st   1.00    8
## 1636  vegetative_sk_Maximum_temperature..31   min    st   1.00   61
## 1637 vegetative_sk_Precipitation_amount..0.1  min    st   1.00   11
## 1638  vegetative_sk_Precipitation_amount..40  min    st   1.00   31
## 1639          vegetative_sk_Snow_depth..1     min    st   1.00   61
## 1640          vegetative_sk_Snow_depth..4     min    st   1.00   61
## 1641               vegetative_total_prec      min    st   1.00   18
## 1642                   critical_events        min    st   1.00   61
## 1643                          filling         min    st   1.00   25
## 1644                       generative         min    st   1.00   61
## 1645                             NA.          min    st   1.00    7
## 1646                       vegetative         min    st   1.00   61
## 1647                             area         min    st   1.00    1
## 1648                   filling_avg_temp       1se   coef  1.00   61
## 1649      filling_fq_Maximum_temperature..31  1se   coef  1.00   61
## 1650      filling_fq_Precipitation_amount..0.1 1se   coef  1.00   61
## 1651      filling_fq_Precipitation_amount..40 1se   coef  1.00   61
## 1652           filling_fq_Snow_depth..1       1se   coef  1.00   61
## 1653             filling_length_days          1se   coef  1.00   61
## 1654           filling_since_nyear_days       1se   coef  1.00   61
## 1655            filling_since_seed_days       1se   coef  1.00   61
## 1656      filling_sk_Maximum_temperature..31  1se   coef  1.00   61
## 1657      filling_sk_Precipitation_amount..0.1 1se   coef  1.00   61
## 1658      filling_sk_Precipitation_amount..40 1se   coef  1.00   61
## 1659           filling_sk_Snow_depth..1       1se   coef  1.00   61
## 1660               filling_total_prec         1se   coef  1.00   61
## 1661                   generative_avg_temp    1se   coef  1.00    5
## 1662   generative_fq_Maximum_temperature..31  1se   coef  1.00   61
## 1663 generative_fq_Precipitation_amount..0.1  1se   coef  1.00   61
## 1664  generative_fq_Precipitation_amount..40  1se   coef  1.00   61
## 1665          generative_fq_Snow_depth..1     1se   coef  1.00    8
## 1666             generative_length_days       1se   coef  1.00    9
## 1667           generative_since_nyear_days    1se   coef  1.00   61
## 1668           generative_since_seed_days     1se   coef  1.00   61
## 1669  generative_sk_Maximum_temperature..31   1se   coef  1.00   61
## 1670 generative_sk_Precipitation_amount..0.1  1se   coef  1.00   61
## 1671  generative_sk_Precipitation_amount..40  1se   coef  1.00   61
## 1672          generative_sk_Snow_depth..1     1se   coef  1.00   61
## 1673               generative_total_prec      1se   coef  1.00    7
## 1674                       NA_avg_temp        1se   coef  1.00    3
## 1675        NA_fq_Maximum_temperature..31     1se   coef  1.00   61
```

```
## 1676           NA_fq_Minimum_temperature...15   1se   coef   1.00   61
## 1677           NA_fq_Precipitation_amount..0.1   1se   coef   1.00    6
## 1678           NA_fq_Precipitation_amount..40    1se   coef   1.00   61
## 1679                    NA_fq_Snow_depth..1      1se   coef   1.00   61
## 1680                    NA_fq_Snow_depth..4      1se   coef   1.00    4
## 1681                        NA_length_days       1se   coef   1.00   61
## 1682         NA_sk_Maximum_temperature..31      1se   coef   1.00   61
## 1683         NA_sk_Minimum_temperature...15     1se   coef   1.00   61
## 1684         NA_sk_Precipitation_amount..0.1    1se   coef   1.00   61
## 1685         NA_sk_Precipitation_amount..40     1se   coef   1.00   61
## 1686                    NA_sk_Snow_depth..1      1se   coef   1.00   61
## 1687                    NA_sk_Snow_depth..4      1se   coef   1.00   61
## 1688                          NA_total_prec      1se   coef   1.00   61
## 1689                      vegetative_avg_temp    1se   coef   1.00   61
## 1690  vegetative_fq_Maximum_temperature..31     1se   coef   1.00   61
## 1691 vegetative_fq_Precipitation_amount..0.1    1se   coef   1.00   61
## 1692 vegetative_fq_Precipitation_amount..40     1se   coef   1.00   61
## 1693          vegetative_fq_Snow_depth..1       1se   coef   1.00   61
## 1694          vegetative_fq_Snow_depth..4       1se   coef   1.00   61
## 1695               vegetative_length_days       1se   coef   1.00   61
## 1696           vegetative_since_nyear_days      1se   coef   1.00    2
## 1697  vegetative_sk_Maximum_temperature..31     1se   coef   1.00   61
## 1698 vegetative_sk_Precipitation_amount..0.1    1se   coef   1.00   61
## 1699 vegetative_sk_Precipitation_amount..40     1se   coef   1.00   61
## 1700          vegetative_sk_Snow_depth..1       1se   coef   1.00   61
## 1701          vegetative_sk_Snow_depth..4       1se   coef   1.00   61
## 1702                vegetative_total_prec       1se   coef   1.00   61
## 1703                      critical_events       1se   coef   1.00   61
## 1704                              filling       1se   coef   1.00   61
## 1705                           generative       1se   coef   1.00   61
## 1706                                  NA.       1se   coef   1.00   61
## 1707                           vegetative       1se   coef   1.00   61
## 1708                                 area       1se   coef   1.00    1
## 1709                     filling_avg_temp       1se     s1   1.00   61
## 1710       filling_fq_Maximum_temperature..31   1se     s1   1.00   61
## 1711       filling_fq_Precipitation_amount..0.1  1se     s1   1.00   61
## 1712       filling_fq_Precipitation_amount..40   1se     s1   1.00   61
## 1713               filling_fq_Snow_depth..1     1se     s1   1.00   61
## 1714                   filling_length_days      1se     s1   1.00   61
## 1715                filling_since_nyear_days     1se     s1   1.00   61
## 1716                 filling_since_seed_days     1se     s1   1.00   61
## 1717       filling_sk_Maximum_temperature..31   1se     s1   1.00   61
## 1718       filling_sk_Precipitation_amount..0.1  1se     s1   1.00   61
## 1719       filling_sk_Precipitation_amount..40   1se     s1   1.00   61
## 1720               filling_sk_Snow_depth..1     1se     s1   1.00   61
## 1721                    filling_total_prec      1se     s1   1.00    9
## 1722                   generative_avg_temp      1se     s1   1.00    6
## 1723  generative_fq_Maximum_temperature..31     1se     s1   1.00   61
## 1724 generative_fq_Precipitation_amount..0.1    1se     s1   1.00   61
## 1725  generative_fq_Precipitation_amount..40    1se     s1   1.00   61
## 1726           generative_fq_Snow_depth..1      1se     s1   1.00    8
## 1727               generative_length_days      1se     s1   1.00   10
## 1728            generative_since_nyear_days     1se     s1   1.00   61
## 1729            generative_since_seed_days     1se     s1   1.00   61
```

```
## 1730    generative_sk_Maximum_temperature..31   1se   s1  1.00  61
## 1731 generative_sk_Precipitation_amount..0.1   1se   s1  1.00  61
## 1732  generative_sk_Precipitation_amount..40   1se   s1  1.00  61
## 1733             generative_sk_Snow_depth..1   1se   s1  1.00  61
## 1734                   generative_total_prec   1se   s1  1.00   7
## 1735                             NA_avg_temp   1se   s1  1.00   4
## 1736            NA_fq_Maximum_temperature..31   1se   s1  1.00  61
## 1737           NA_fq_Minimum_temperature...15   1se   s1  1.00  61
## 1738          NA_fq_Precipitation_amount..0.1   1se   s1  1.00   2
## 1739           NA_fq_Precipitation_amount..40   1se   s1  1.00  61
## 1740                      NA_fq_Snow_depth..1   1se   s1  1.00  61
## 1741                      NA_fq_Snow_depth..4   1se   s1  1.00   5
## 1742                          NA_length_days   1se   s1  1.00  61
## 1743            NA_sk_Maximum_temperature..31   1se   s1  1.00  61
## 1744           NA_sk_Minimum_temperature...15   1se   s1  1.00  61
## 1745          NA_sk_Precipitation_amount..0.1   1se   s1  1.00  61
## 1746           NA_sk_Precipitation_amount..40   1se   s1  1.00  61
## 1747                      NA_sk_Snow_depth..1   1se   s1  1.00  61
## 1748                      NA_sk_Snow_depth..4   1se   s1  1.00  61
## 1749                            NA_total_prec   1se   s1  1.00  61
## 1750                      vegetative_avg_temp   1se   s1  1.00  61
## 1751    vegetative_fq_Maximum_temperature..31   1se   s1  1.00  61
## 1752 vegetative_fq_Precipitation_amount..0.1   1se   s1  1.00  61
## 1753  vegetative_fq_Precipitation_amount..40   1se   s1  1.00  61
## 1754             vegetative_fq_Snow_depth..1   1se   s1  1.00  61
## 1755             vegetative_fq_Snow_depth..4   1se   s1  1.00  61
## 1756                  vegetative_length_days   1se   s1  1.00  61
## 1757             vegetative_since_nyear_days   1se   s1  1.00   3
## 1758    vegetative_sk_Maximum_temperature..31   1se   s1  1.00  61
## 1759 vegetative_sk_Precipitation_amount..0.1   1se   s1  1.00  61
## 1760  vegetative_sk_Precipitation_amount..40   1se   s1  1.00  61
## 1761             vegetative_sk_Snow_depth..1   1se   s1  1.00  61
## 1762             vegetative_sk_Snow_depth..4   1se   s1  1.00  61
## 1763                   vegetative_total_prec   1se   s1  1.00  61
## 1764                         critical_events   1se   s1  1.00  61
## 1765                                 filling   1se   s1  1.00  61
## 1766                              generative   1se   s1  1.00  61
## 1767                                     NA.   1se   s1  1.00  61
## 1768                              vegetative   1se   s1  1.00  61
## 1769                                    area   1se   s1  1.00   1
## 1770                         filling_avg_temp   1se   st  1.00  61
## 1771       filling_fq_Maximum_temperature..31   1se   st  1.00  61
## 1772       filling_fq_Precipitation_amount..0.1   1se   st  1.00  61
## 1773       filling_fq_Precipitation_amount..40   1se   st  1.00  61
## 1774              filling_fq_Snow_depth..1   1se   st  1.00  61
## 1775                     filling_length_days   1se   st  1.00  61
## 1776               filling_since_nyear_days   1se   st  1.00  61
## 1777                filling_since_seed_days   1se   st  1.00  61
## 1778       filling_sk_Maximum_temperature..31   1se   st  1.00  61
## 1779       filling_sk_Precipitation_amount..0.1   1se   st  1.00  61
## 1780       filling_sk_Precipitation_amount..40   1se   st  1.00  61
## 1781              filling_sk_Snow_depth..1   1se   st  1.00  61
## 1782                     filling_total_prec   1se   st  1.00   9
## 1783                    generative_avg_temp   1se   st  1.00   6
```

```
## 1784    generative_fq_Maximum_temperature..31      1se    st   1.00    61
## 1785 generative_fq_Precipitation_amount..0.1       1se    st   1.00    61
## 1786   generative_fq_Precipitation_amount..40       1se    st   1.00    61
## 1787              generative_fq_Snow_depth..1        1se    st   1.00     8
## 1788                   generative_length_days        1se    st   1.00    10
## 1789               generative_since_nyear_days       1se    st   1.00    61
## 1790               generative_since_seed_days        1se    st   1.00    61
## 1791    generative_sk_Maximum_temperature..31       1se    st   1.00    61
## 1792 generative_sk_Precipitation_amount..0.1       1se    st   1.00    61
## 1793   generative_sk_Precipitation_amount..40       1se    st   1.00    61
## 1794              generative_sk_Snow_depth..1        1se    st   1.00    61
## 1795                    generative_total_prec        1se    st   1.00     7
## 1796                              NA_avg_temp        1se    st   1.00     4
## 1797           NA_fq_Maximum_temperature..31        1se    st   1.00    61
## 1798           NA_fq_Minimum_temperature...15       1se    st   1.00    61
## 1799           NA_fq_Precipitation_amount..0.1      1se    st   1.00     2
## 1800           NA_fq_Precipitation_amount..40       1se    st   1.00    61
## 1801                       NA_fq_Snow_depth..1      1se    st   1.00    61
## 1802                       NA_fq_Snow_depth..4      1se    st   1.00     5
## 1803                             NA_length_days     1se    st   1.00    61
## 1804           NA_sk_Maximum_temperature..31        1se    st   1.00    61
## 1805           NA_sk_Minimum_temperature...15       1se    st   1.00    61
## 1806           NA_sk_Precipitation_amount..0.1      1se    st   1.00    61
## 1807           NA_sk_Precipitation_amount..40       1se    st   1.00    61
## 1808                       NA_sk_Snow_depth..1      1se    st   1.00    61
## 1809                       NA_sk_Snow_depth..4      1se    st   1.00    61
## 1810                              NA_total_prec     1se    st   1.00    61
## 1811                         vegetative_avg_temp    1se    st   1.00    61
## 1812    vegetative_fq_Maximum_temperature..31      1se    st   1.00    61
## 1813 vegetative_fq_Precipitation_amount..0.1      1se    st   1.00    61
## 1814  vegetative_fq_Precipitation_amount..40      1se    st   1.00    61
## 1815              vegetative_fq_Snow_depth..1       1se    st   1.00    61
## 1816              vegetative_fq_Snow_depth..4       1se    st   1.00    61
## 1817                   vegetative_length_days       1se    st   1.00    61
## 1818              vegetative_since_nyear_days       1se    st   1.00     3
## 1819    vegetative_sk_Maximum_temperature..31      1se    st   1.00    61
## 1820 vegetative_sk_Precipitation_amount..0.1      1se    st   1.00    61
## 1821 vegetative_sk_Precipitation_amount..40      1se    st   1.00    61
## 1822              vegetative_sk_Snow_depth..1       1se    st   1.00    61
## 1823              vegetative_sk_Snow_depth..4       1se    st   1.00    61
## 1824                    vegetative_total_prec       1se    st   1.00    61
## 1825                          critical_events      1se    st   1.00    61
## 1826                                  filling      1se    st   1.00    61
## 1827                               generative      1se    st   1.00    61
## 1828                                      NA.      1se    st   1.00    61
## 1829                               vegetative      1se    st   1.00    61
## 1830                                     area      1se    st   1.00     1
```

Visualization of variance along alpha path, with ranks estimation based on S1,ST and COEF.