**Table S10**. *l0* models and parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model** | **Parameter** | | | |
| Name | Description | Value | Tuned? |
| XGB | max\_depth | maximum depth of a tree | 8 | Yes |
| nrounds | number of trees | 12000 | Yes |
| eta | learning rate | 0.001 | Yes |
| gamma | minimum loss reduction required to make a further partition | 0.5 | Yes |
| min\_child\_weight | minimum sum of instance weight needed in a child | 7 | Yes |
| colsample\_by\_tree | subsample ratio of columns when constructing a tree | 0.7 | Yes |
| subsample | subsample ratio of the training instance | 0.7 | Yes |
| rate\_drop | proportion of trees dropped each iteration | 0.001 | Yes |
| lambda | regularization parameter | 1 | Yes |
| RF | mtry | number of variables randomly sampled at each split | 150 | Yes |
| ntree | number of trees | 1001 | No |
| col\_sample\_rate\_per\_tree | rate of randomly sampling features used for each tree | 0.8 | Yes |
| node\_size | minimum number of observations per leaf | 20 | Yes |
| BGAM | mstop | final number of iterations | 80000 | Yes |
| degree | degrees of freedom of the base learners | 1 | No |
| nu | Shrinkage parameter | 0.4 | Yes |