TABLE I VARIABLES DROPPED AND WHY

Variable	Description
CLASS	CLASS = 1 for all rows so it doesn't
	provide the machine learning model with
	any important information
Consequence	Redundant to the MC column
CLNDISDB	Storage in different databases is not rele-
02112122	vant
CLNDN	ClinVar's name for information already
	in CLNDISDB column, redundant. Also,
	storage in ClinVar is not relevant to
	pathogenicity
CLNVI	Variant's clinical sources are not relevant to
	pathogenicity
CLNDISDBINCL,	Sparse Data, 0.20 percent or less of data is
CLNDNINCL,	non-null
CLNSIGINCL,	
SSR,DISTANCE,	
MOTIF_NAME,	
MOTIF_POS,	
HIGH_INF_POS, MO-	
TIF_SCORE_CHANGE	
INTRON	Sparse Data, only 13 percent of data is non-
	null
INTRON  CADD_RAW	null Redundant, an untransformed version of
CADD_RAW	null Redundant, an untransformed version of CADD PHRED
	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited
CADD_RAW BAM_EDIT	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not
CADD_RAW  BAM_EDIT  Allele	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT
CADD_RAW BAM_EDIT	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as
CADD_RAW  BAM_EDIT  Allele  CLNHGVS	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS
CADD_RAW  BAM_EDIT  Allele	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 pro-
CADD_RAW  BAM_EDIT  Allele  CLNHGVS  BIOTYPE	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type
CADD_RAW  BAM_EDIT  Allele  CLNHGVS	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein.coding and only 11 of any other type Contains values not described in the data
CADD_RAW  BAM_EDIT  Allele  CLNHGVS  BIOTYPE	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type Contains values not described in the data documentation, also low variance with
CADD_RAW  BAM_EDIT  Allele CLNHGVS  BIOTYPE  ORIGIN	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type Contains values not described in the data documentation, also low variance with 47923 in one category
CADD_RAW  BAM_EDIT  Allele  CLNHGVS  BIOTYPE	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type Contains values not described in the data documentation, also low variance with 47923 in one category Very few values in categories other than
CADD_RAW  BAM_EDIT  Allele CLNHGVS  BIOTYPE  ORIGIN  CLNVC	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type Contains values not described in the data documentation, also low variance with 47923 in one category Very few values in categories other than single nucleotide variant
CADD_RAW  BAM_EDIT  Allele CLNHGVS  BIOTYPE  ORIGIN  CLNVC  Feature_type	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type Contains values not described in the data documentation, also low variance with 47923 in one category Very few values in categories other than single nucleotide variant All values are uniform
CADD_RAW  BAM_EDIT  Allele CLNHGVS  BIOTYPE  ORIGIN  CLNVC  Feature_type CADD_PHRED,	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type Contains values not described in the data documentation, also low variance with 47923 in one category Very few values in categories other than single nucleotide variant All values are uniform Other gene scores, not relevant to this study
CADD_RAW  BAM_EDIT  Allele CLNHGVS  BIOTYPE  ORIGIN  CLNVC  Feature_type CADD_PHRED, BLOSUM62,SIFT,	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type Contains values not described in the data documentation, also low variance with 47923 in one category Very few values in categories other than single nucleotide variant All values are uniform Other gene scores, not relevant to this study (deleted in a later supplementary coding
CADD_RAW  BAM_EDIT  Allele CLNHGVS  BIOTYPE  ORIGIN  CLNVC  Feature_type CADD_PHRED,	null Redundant, an untransformed version of CADD PHRED Is not relevant whether the file was edited or not Redundant to ALT Redundant to ALT and REF columns as well as CHROM and POS Very low amount of variance, 48738 protein_coding and only 11 of any other type Contains values not described in the data documentation, also low variance with 47923 in one category Very few values in categories other than single nucleotide variant All values are uniform Other gene scores, not relevant to this study