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ABBREVIATIONS

***k*-NN**	*k*-Nearest Neighbor
SVMs	Support vector machines
LMT	Logistic model tree
SCM	Scoring Card Method
HLA	Human Leukocyte Antigen
HIV-1	Human Immunodeficiency Virus type 1
MHC	Human major Histocompatibility Complex
CCR5	CC-chemokine receptor 5
CXCR4	CXC-chemokine receptor 4
PDB	Protein Data Bank
PCP	Physicochemical properties
FS	Feature subset
CSM	Crystallizable scoring matrix
IGA	Intelligent genetic algorithm
R value	Pearson's correlation coefficient
ROC	Receiver operating characteristic
LDA	Linear discriminant analysis
KSVMs	Kernel support vector machines
V3	Third variable loop