

Table 1. OATP1B1 models: Description of the used settings

Model Name	Descriptors	weka.classifier	Cost matrix
B1_6MOE_RF	6 MOE descriptors: a_acc, a_don, logP (o/w), mr, TPSA and weight	trees.RandomForest (numTrees: 10, default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 8.0, 0.0]
B1_6MOE_SMO	6 MOE descriptors: a_acc, a_don, logP (o/w), mr, TPSA and weight	functions.SMO.Puk.kernel (buildLogisticModels:True, the rest settings at default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 8.0, 0.0]
B1_6PaD_RF	6 PaDEL descriptors: CrippenLogP, CrippenMR, nHBAcc_Lipinski, nHBDon_Lipinski, TopoPSA, MW	trees.RandomForest (numTrees: 10, default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 8.0, 0.0]
B1_6PaD_SMO	6 PaDEL descriptors: CrippenLogP, CrippenMR, nHBAcc_Lipinski, nHBDon_Lipinski, TopoPSA, MW	functions.SMO.Puk.kernel (buildLogisticModels:True, the rest settings at default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 8.0, 0.0]
B1_11PaD_RF	11 PaDEL descriptors: CrippenLogP, CrippenMR, nHBAcc_Lipinski, nHBDon_Lipinski, TopoPSA, MW, nRotB, topoRadius, topoDiameter, topoShape, globalTopoChargeIndex	trees.RandomForest (numTrees: 10, default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 8.0, 0.0]
B1_11PaD_SMO	11 PaDEL descriptors: CrippenLogP, CrippenMR, nHBAcc_Lipinski, nHBDon_Lipinski, TopoPSA, MW, nRotB, topoRadius, topoDiameter, topoShape, globalTopoChargeIndex	functions.SMO.Puk.kernel (buildLogisticModels:True, the rest settings at default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 8.0, 0.0]

Table 2. OATP1B3 models: Description of the used settings

Model Name	Descriptors	weka.classifier	Cost matrix
B3_6MOE_RF	6 MOE descriptors: a_acc, a_don, logP (o/w), mr, TPSA and weight	trees.RandomForest (numTrees: 10, default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 13.0, 0.0]
B3_6MOE_SMO	6 MOE descriptors: a_acc, a_don, logP (o/w), mr, TPSA and weight	functions.SMO.Puk.kernel (buildLogisticModels:True, the rest settings at default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 13.0, 0.0]
B3_6PaD_RF	6 PaDEL descriptors: CrippenLogP, CrippenMR, nHBAcc_Lipinski, nHBDon_Lipinski, TopoPSA, MW	trees.RandomForest (numTrees: 10, default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 13.0, 0.0]
B3_6PaD_SMO	6 PaDEL descriptors: CrippenLogP, CrippenMR, nHBAcc_Lipinski, nHBDon_Lipinski, TopoPSA, MW	functions.SMO.Puk.kernel (buildLogisticModels:True, the rest settings at default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 13.0, 0.0]
B3_11PaD_RF	11 PaDEL descriptors: CrippenLogP, CrippenMR, nHBAcc_Lipinski, nHBDon_Lipinski, TopoPSA, MW, nRotB, topoRadius, topoDiameter, topoShape, globalTopoChargeIndex	trees.RandomForest (numTrees: 10, default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 13.0, 0.0]
B3_11PaD_SMO	11 PaDEL descriptors: CrippenLogP, CrippenMR, nHBAcc_Lipinski, nHBDon_Lipinski, TopoPSA, MW, nRotB, topoRadius, topoDiameter, topoShape, globalTopoChargeIndex	functions.SMO.Puk.kernel (buildLogisticModels:True, the rest settings at default)	meta.MetaCost -cost-matrix "[0.0, 1.0; 8.0, 0.0]