



PC1

N.Samples = 30 for each mineral, N.Trees = 150, 70-30% split, 5-fold, Accuracy: 98 **STROMEYERITE** SPHALERITE **RASVUMITE PYRRHOTITE PYRITE POLYDYMITE PENTLANDITE PARKERITE** MOLYBDENITE MERENSKYITE MAUCHERITE MACKINAWITE Prediction LINNAEITE ISOMERTIEITE/MERTIEITE-I **IRARSITE HEAZLEWOODITE GODLEVSKITE GERSDORFFITE** GALENA CUBANITE/ISOCUBANITE COBALTITE CHLORBARTONITE **CHALCOPYRITE** CHALCOCITE **BORNITE ARSENOPYRITE** 0 ALABANDITE/BROWNEITE/RAMBERGITE **PYRITE** ARSENOPYRITE MOLYBDENITE RASVUMITE SPHALERITE STROMEYERITE ALABANDITE/BROWNEITE/RAMBERGITE BORNITE CHALCOCITE CHALCOPYRITE CHLORBARTONITE COBALTITE CUBANITE/ISOCUBANITE GALENA GERSDORFFITE GODLEVSKITE HEAZLEWOODITE RARSITE LINNAEITE MACKINAWITE MAUCHERITE MERENSKYITE PARKERITE **PENTLANDITE** POLYDYMITE **PYRRHOTITE** ISOMERTIEITE/MERTIEITE-I

Sulfides classification - Random Forest (Test Set)

Reference