Does addition of imputed signatures improve classification accuracy? AE.Kidney.infection AE.Kidney.transplant.rejection AE.Liver.disorder AE.Liver.fatty AE.Liver.function.test.abnormal VCAP HCC515 HEPG2 HT29 ATC.C AE.Rash AE.Metastases.to.liver AE.Photosensitive.rash AE.Rash.generalised HCC515 HEPG2 HCC515 -HCC515 HCC515 € ATC.L SE.Liver.disorder SE.Liver.function.test.abnormal SE.Rash SE.Rash.erythematous HCC515 HA1E category ΑE ATC SE Target A375 Target.MAPT Target.ATAD5 Target.CYP2C19 Target.MEN1 Target.MLL A375 0.00 0.25 0.75 0.25 0.75 0.25 0.75 0.25 0.75 0.50 1.00 0.00 0.50 1.00 0.00 0.50 1.00 0.00 Target.STK33 HCC515

AE.Haemangioma.of.liver

HCC515

HEPG2

AE.Liver.transplant.rejection

ATC.D

SE.Rash.maculo.papular

Target.RORC

0.50

0.75

1.00 0.00

0.25

0.50

0.75

HCC515

1.00 -

0.75 -

0.50

0.25

0.00 -

1.00 -

0.75

0.50

0.25

AUC using MEASURED + IMPUTED signatures 0.00 - 0.50 - 0.50 - 0.00

0.75

0.50

0.25 -

0.00

1.00 -

0.75

0.50

0.25 -

0.00

0.00

0.25

HT29 HA1E