

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: PCAWG Tumor Samples used for Training and Testing

File Name: Supplementary Data 2

Description: Predictive Accuracy of Random Forest Models Trained on Single Feature Categories

File Name: Supplementary Data 3

Description: Predictive accuracy of DNN trained on SNV type and distribution, mean of 10 trained models

File Name: Supplementary Data 4

Description: Distribution and source of tumour types contained within the validation data sets

File Name: Supplementary Data 5

Description: DNN classifier predictions for 62 Cancers of Uncertain Primary

File Name: Supplementary Data 6

Description: Hyperparameters selected by Bayesian optimization and their test set accuracy for classifiers trained