**Figures S1-S14. C&RT analysis for all models from Tables 8.3 and 8.4 presented in Chapter 8**



**Figure S1**: Model 1, equal misclassification cost model using RF feature selection



**Figure S2**: Model 2, equal misclassification cost model using RF (MC) feature selection



**Figure S3**: Model 3, equal misclassification cost model using CS feature selection



**Figure S4**: Model 4, equal misclassification cost model using IGR feature selection



**Figure S5**: Model 5, equal misclassification cost model using GRD feature selection



**Figure S6**: Model 6, equal misclassification cost model using GEN feature selection



**Figure S7**: Model 7, equal misclassification cost model using C&RT feature selection



**Figure S8**: Model 8, higher misclassification cost applied (SP:SE 4:1) model using RF feature selection



**Figure S9**: Model 9, higher misclassification cost applied (SP:SE 4:1) model using RF (MC) feature selection



**Figure S10**: Model 10, higher misclassification cost applied (SP:SE 4:1) model using CS feature selection



**Figure S11**: Model 11, higher misclassification cost applied (SP:SE 4:1) model using IGR feature selection



**Figure S12**: Model 12, higher misclassification cost applied (SP:SE 4:1) model using GRD feature selection



**Figure S13**: Model 13, higher misclassification cost applied (SP:SE 4:1) model using GEN feature selection



**Figure S14**: Model 14, higher misclassification cost applied (SP:SE 4:1) model using C&RT feature selection