Table 1: Feasible class proportions  $\Delta p^*$ , according to  $\|\mathbf{d}\|_{\infty} \cdot \|\boldsymbol{\ell}_h\|_1$  certificates, which are computed for a ZeroOneLoss (weight=uniform) with  $\epsilon = 0.1$  and  $\delta = 0.05$ .

data set	classifier	$L_S(h)$	$\mathbf{p}_S^\top$	$\Delta p^*$
$rac{ m optdigits}{ m optdigits}$	DecisionTreeClassifier LogisticRegression	$\begin{array}{c} 0.106151 \\ 0.09636 \end{array}$	$\begin{bmatrix} 0.7, 0.2, 0.1 \\ [0.7, 0.2, 0.1 ] \end{bmatrix}$	0.160732 $0.18819$
$egin{array}{c}  ext{satimage} \  ext{satimage} \end{array}$	$\begin{array}{c} {\rm DecisionTreeClassifier} \\ {\rm LogisticRegression} \end{array}$	$\begin{array}{c} 0.112156 \\ 0.110286 \end{array}$	$\begin{bmatrix} 0.58, 0.31, 0.11 \\ [0.58, 0.31, 0.11 ] \end{bmatrix}$	$\begin{array}{c} 0.215679 \\ 0.2003 \end{array}$
$egin{aligned}  ext{pendigits} \end{aligned}$	$\begin{array}{c} {\rm DecisionTreeClassifier} \\ {\rm LogisticRegression} \end{array}$	$0.052064 \\ 0.159193$	$[0.7, 0.2, 0.1] \\ [0.7, 0.2, 0.1]$	$\begin{array}{c} 0.311216 \\ 0.134747 \end{array}$
eye movements eye movements	$\begin{array}{c} {\rm DecisionTreeClassifier} \\ {\rm LogisticRegression} \end{array}$	$0.495935 \\ 0.51824$	$\begin{bmatrix} 0.35, 0.26, 0.39 \\ [0.35, 0.26, 0.39 ] \end{bmatrix}$	$\begin{array}{c} 0.063892 \\ 0.060559 \end{array}$
${ m shuttle} \\ { m shuttle}$	$\begin{array}{c} {\rm DecisionTreeClassifier} \\ {\rm LogisticRegression} \end{array}$	0.005633 $0.060353$	$\begin{bmatrix} 0.15, 0.79, 0.06 \\ [0.15, 0.79, 0.06 ] \end{bmatrix}$	$\begin{array}{c} 1.19079 \\ 0.235586 \end{array}$
$\begin{array}{c} \text{connect4} \\ \text{connect4} \end{array}$	$\begin{array}{c} {\rm DecisionTreeClassifier} \\ {\rm LogisticRegression} \end{array}$	0.304213 $0.343149$	$\begin{bmatrix} 0.66, 0.1, 0.25 \\ [0.66, 0.1, 0.25 ] \end{bmatrix}$	0.06911 $0.049098$