MNIST

```
Target Error Rate:  0.044      Number of test points:  17500
Conjugate Prediction:              Error:  768.10 -+ 30.04    Refuse:  294.40 -+ 51.68
Isotonic Calibration:              Error:  35.70 -+ 4.63      Refuse:  4680.10 -+ 109.43
Sigmoid Calibration:               Error:  31.50 -+ 5.04      Refuse:  4777.30 -+ 93.77
Isotonic Calibration (Oracle):     Error:  766.00 -+ 1.95     Refuse:  149.80 -+ 36.45
Sigmoid Calibration (Oracle):      Error:  766.40 -+ 2.01     Refuse:  143.10 -+ 43.61

Target Error Rate:  0.022      Number of test points:  17500
Conjugate Prediction:              Error:  342.10 -+ 30.83    Refuse:  1957.00 -+ 100.79
Isotonic Calibration:              Error:  17.30 -+ 3.66      Refuse:  6059.60 -+ 146.42
Sigmoid Calibration:               Error:  5.00 -+ 2.32       Refuse:  8888.30 -+ 271.77
Isotonic Calibration (Oracle):     Error:  359.20 -+ 1.66     Refuse:  1202.20 -+ 77.13
Sigmoid Calibration (Oracle):      Error:  359.70 -+ 1.49     Refuse:  1179.80 -+ 66.67

Target Error Rate:  0.011      Number of test points:  17500
Conjugate Prediction:              Error:  159.40 -+ 20.02    Refuse:  3087.70 -+ 65.73
Isotonic Calibration:              Error:  9.80 -+ 2.71       Refuse:  7356.40 -+ 206.84
Sigmoid Calibration:               Error:  0.00 -+ 0.00       Refuse:  17500.00 -+ 0.00
Isotonic Calibration (Oracle):     Error:  168.00 -+ 2.10     Refuse:  2201.00 -+ 167.77
Sigmoid Calibration (Oracle):      Error:  168.60 -+ 1.69     Refuse:  2163.50 -+ 137.55
```

COD-RNA

```
Target Error Rate:  0.0316     Number of test points:  122142
Conjugate Prediction:              Error:  3842.80 -+ 111.59  Refuse:  617.00 -+ 100.21
Isotonic Calibration:              Error:  342.70 -+ 30.64    Refuse:  23305.80 -+ 444.50
Sigmoid Calibration:               Error:  567.60 -+ 34.31    Refuse:  18147.00 -+ 259.48
Isotonic Calibration (Oracle):     Error:  3738.50 -+ 86.64   Refuse:  843.30 -+ 276.12
Sigmoid Calibration (Oracle):      Error:  3833.80 -+ 6.87    Refuse:  766.80 -+ 199.09

Target Error Rate:  0.0158     Number of test points:  122142
Conjugate Prediction:              Error:  1819.90 -+ 60.81   Refuse:  6923.40 -+ 185.79
Isotonic Calibration:              Error:  196.50 -+ 35.00    Refuse:  29241.30 -+ 1474.63
Sigmoid Calibration:               Error:  160.60 -+ 21.79    Refuse:  31358.90 -+ 763.98
Isotonic Calibration (Oracle):     Error:  1773.10 -+ 30.59   Refuse:  7160.30 -+ 349.54
Sigmoid Calibration (Oracle):      Error:  1813.30 -+ 5.00    Refuse:  7118.90 -+ 282.96

Target Error Rate:  0.0079     Number of test points:  122142
Conjugate Prediction:              Error:  853.10 -+ 56.01    Refuse:  14336.80 -+ 306.65
Isotonic Calibration:              Error:  85.10 -+ 18.76     Refuse:  37939.90 -+ 1712.54
Sigmoid Calibration:               Error:  10.20 -+ 2.93      Refuse:  56771.90 -+ 556.27
Isotonic Calibration (Oracle):     Error:  824.20 -+ 19.81    Refuse:  14430.90 -+ 471.01
Sigmoid Calibration (Oracle):      Error:  840.70 -+ 9.97     Refuse:  14226.00 -+ 587.18
```

SENSIT

```
 Target Error Rate:  0.1665       Number of test points:  24632
Conjugate Prediction:             Error:  4047.80 -+ 118.37      Refuse:  299.60 -+ 184.12
Isotonic Calibration:             Error:  1025.90 -+ 67.41             Refuse:  9818.20 -+ 224.58
Sigmoid Calibration:              Error:  1097.90 -+ 49.24            Refuse:  9361.60 -+ 157.07
Isotonic Calibration (Oracle):    Error:  4068.40 -+ 18.50      Refuse:  181.60 -+ 114.28
Sigmoid Calibration (Oracle):     Error:  4057.50 -+ 18.21      Refuse:  252.50 -+ 109.85

 Target Error Rate:  0.0832       Number of test points:  24632
Conjugate Prediction:             Error:  1385.80 -+ 64.72      Refuse:  7865.90 -+ 170.54
Isotonic Calibration:             Error:  155.00 -+ 17.29            Refuse:  16627.30 -+ 140.85
Sigmoid Calibration:              Error:  168.60 -+ 15.60            Refuse:  16474.20 -+ 123.94
Isotonic Calibration (Oracle):    Error:  1404.90 -+ 26.95     Refuse:  7711.80 -+ 305.72
Sigmoid Calibration (Oracle):     Error:  1400.60 -+ 20.71     Refuse:  7767.80 -+ 270.44

 Target Error Rate:  0.0416       Number of test points:  24632
Conjugate Prediction:             Error:  433.60 -+ 22.91      Refuse:  14115.60 -+ 210.21
Isotonic Calibration:             Error:  80.10 -+ 11.12             Refuse:  17569.90 -+ 176.92
Sigmoid Calibration:              Error:  3.10 -+ 1.81        Refuse:  22122.70 -+ 594.26
Isotonic Calibration (Oracle):    Error:  423.20 -+ 15.50     Refuse:  14219.00 -+ 218.64
Sigmoid Calibration (Oracle):     Error:  435.10 -+ 3.36      Refuse:  14073.50 -+ 79.18
```

SATI

```
 Target Error Rate:  0.0757       Number of test points:  2718
Conjugate Prediction:               Error:  194.30 -+ 15.05        Refuse:  115.40 -+ 32.47
Isotonic Calibration:               Error:  25.50 -+ 5.57          Refuse:  769.50 -+ 52.95
Sigmoid Calibration:                Error:  28.40 -+ 5.54          Refuse:  749.40 -+ 34.25
Isotonic Calibration (Oracle):      Error:  199.00 -+ 2.68        Refuse:  70.70 -+ 23.22
Sigmoid Calibration (Oracle):       Error:  199.60 -+ 2.62        Refuse:  72.60 -+ 27.66

 Target Error Rate:  0.0378       Number of test points:  2718
Conjugate Prediction:               Error:  90.80 -+ 9.36   Refuse:  419.00 -+ 32.38
Isotonic Calibration:               Error:  13.40 -+ 2.97          Refuse:  945.50 -+ 41.08
Sigmoid Calibration:                Error:  6.30 -+ 3.41           Refuse:  1291.10 -+ 132.45
Isotonic Calibration (Oracle):      Error:  88.90 -+ 1.58   Refuse:  351.10 -+ 38.69
Sigmoid Calibration (Oracle):       Error:  88.50 -+ 1.43   Refuse:  357.70 -+ 37.19

 Target Error Rate:  0.0189       Number of test points:  2718
Conjugate Prediction:               Error:  38.80 -+ 8.57   Refuse:  675.40 -+ 48.60
Isotonic Calibration:               Error:  6.40 -+ 3.61           Refuse:  1148.90 -+ 96.04
Sigmoid Calibration:                Error:  0.00 -+ 0.00           Refuse:  2718.00 -+ 0.00
Isotonic Calibration (Oracle):      Error:  38.10 -+ 1.30   Refuse:  617.60 -+ 51.73
Sigmoid Calibration (Oracle):       Error:  37.90 -+ 2.02   Refuse:  635.70 -+ 53.62
```

LETTER

```
 Target Error Rate:  0.0448      Number of test points:  8750
Conjugate Prediction:                 Error:  363.10 -+ 32.41     Refuse:  756.80 -+ 163.37
Isotonic Calibration:                 Error:  8.80 -+ 3.22        Refuse:  3003.00 -+ 93.42
Sigmoid Calibration:                  Error:  0.70 -+ 0.64        Refuse:  4150.70 -+ 160.41
Isotonic Calibration (Oracle):        Error:  378.80 -+ 2.09      Refuse:  236.70 -+ 31.92
Sigmoid Calibration (Oracle):         Error:  377.50 -+ 2.20      Refuse:  289.70 -+ 48.99

 Target Error Rate:  0.0224      Number of test points:  8750
Conjugate Prediction:                 Error:  157.90 -+ 18.28     Refuse:  1894.60 -+ 165.32
Isotonic Calibration:                 Error:  4.60 -+ 2.54        Refuse:  3516.10 -+ 98.12
Sigmoid Calibration:                  Error:  0.00 -+ 0.00        Refuse:  8750.00 -+ 0.00
Isotonic Calibration (Oracle):        Error:  174.60 -+ 2.01      Refuse:  902.40 -+ 71.03
Sigmoid Calibration (Oracle):         Error:  175.80 -+ 1.94      Refuse:  866.50 -+ 71.74

 Target Error Rate:  0.0112      Number of test points:  8750
Conjugate Prediction:                 Error:  71.10 -+ 7.27       Refuse:  2621.00 -+ 101.90
Isotonic Calibration:                 Error:  1.60 -+ 1.20        Refuse:  4024.30 -+ 79.82
Sigmoid Calibration:                  Error:  0.00 -+ 0.00        Refuse:  8750.00 -+ 0.00
Isotonic Calibration (Oracle):        Error:  79.80 -+ 1.17       Refuse:  1526.10 -+ 81.53
Sigmoid Calibration (Oracle):         Error:  81.30 -+ 0.64       Refuse:  1437.70 -+ 47.77
```

CONNECT

```
 Target Error Rate:  0.1636      Number of test points:  16890
Conjugate Prediction:                 Error:  2674.60 -+ 59.20    Refuse:  555.80 -+ 116.65
Isotonic Calibration:                 Error:  470.40 -+ 56.15     Refuse:  6954.80 -+ 347.35
Sigmoid Calibration:                  Error:  589.60 -+ 30.69     Refuse:  6266.10 -+ 76.41
Isotonic Calibration (Oracle):        Error:  2687.80 -+ 63.20    Refuse:  101.80 -+ 170.57
Sigmoid Calibration (Oracle):         Error:  2728.10 -+ 26.35    Refuse:  11.60 -+ 34.80

 Target Error Rate:  0.0818      Number of test points:  16890
Conjugate Prediction:                 Error:  930.90 -+ 35.76     Refuse:  5377.40 -+ 177.43
Isotonic Calibration:                 Error:  159.40 -+ 23.03     Refuse:  9606.10 -+ 272.42
Sigmoid Calibration:                  Error:  191.10 -+ 15.41     Refuse:  9204.00 -+ 115.97
Isotonic Calibration (Oracle):        Error:  969.20 -+ 32.54     Refuse:  4657.20 -+ 216.17
Sigmoid Calibration (Oracle):         Error:  1010.60 -+ 17.14    Refuse:  4495.80 -+ 204.45

 Target Error Rate:  0.0409      Number of test points:  16890
Conjugate Prediction:                 Error:  349.10 -+ 14.56     Refuse:  8353.10 -+ 149.44
Isotonic Calibration:                 Error:  68.70 -+ 20.76      Refuse:  11187.10 -+ 360.78
Sigmoid Calibration:                  Error:  45.90 -+ 6.85       Refuse:  11751.90 -+ 156.19
Isotonic Calibration (Oracle):        Error:  354.40 -+ 25.75     Refuse:  7724.10 -+ 292.64
Sigmoid Calibration (Oracle):         Error:  380.20 -+ 9.35      Refuse:  7531.60 -+ 219.04
```

COVER

```
 Target Error Rate:  0.0854       Number of test points:  145253
Conjugate Prediction:                  Error:  11754.20 -+ 217.51     Refuse:  6747.40 -+ 574.90
Isotonic Calibration:                  Error:   1643.20 -+  82.52     Refuse: 49448.10 -+ 1001.77
Sigmoid Calibration:                   Error:   2455.10 -+  55.73     Refuse: 41822.40 -+ 356.16
Isotonic Calibration (Oracle):         Error:  12020.80 -+  66.08     Refuse:  4123.20 -+ 319.41
Sigmoid Calibration (Oracle):          Error:  12037.20 -+  28.35     Refuse:  4185.70 -+ 292.39


 Target Error Rate:  0.0427       Number of test points:  145253
Conjugate Prediction:                  Error:   4838.70 -+ 103.49     Refuse: 31047.10 -+ 615.36
Isotonic Calibration:                  Error:    700.20 -+  68.25     Refuse: 66739.50 -+ 1657.28
Sigmoid Calibration:                   Error:    898.50 -+  40.04     Refuse: 62854.60 -+ 676.91
Isotonic Calibration (Oracle):         Error:   5125.20 -+  33.95     Refuse: 24802.30 -+ 449.95
Sigmoid Calibration (Oracle):          Error:   5107.40 -+  22.14     Refuse: 25433.90 -+ 443.10


 Target Error Rate:  0.0214       Number of test points:  145253
Conjugate Prediction:                  Error:   1963.70 -+  65.74     Refuse: 52152.80 -+ 730.40
Isotonic Calibration:                  Error:    281.90 -+  19.08     Refuse: 83130.50 -+ 1091.31
Sigmoid Calibration:                   Error:    118.50 -+  14.02     Refuse: 97460.30 -+ 1758.90
Isotonic Calibration (Oracle):         Error:   2152.30 -+  25.85     Refuse: 43909.10 -+ 898.81
Sigmoid Calibration (Oracle):          Error:   2122.30 -+  20.78     Refuse: 45090.30 -+ 638.69
```