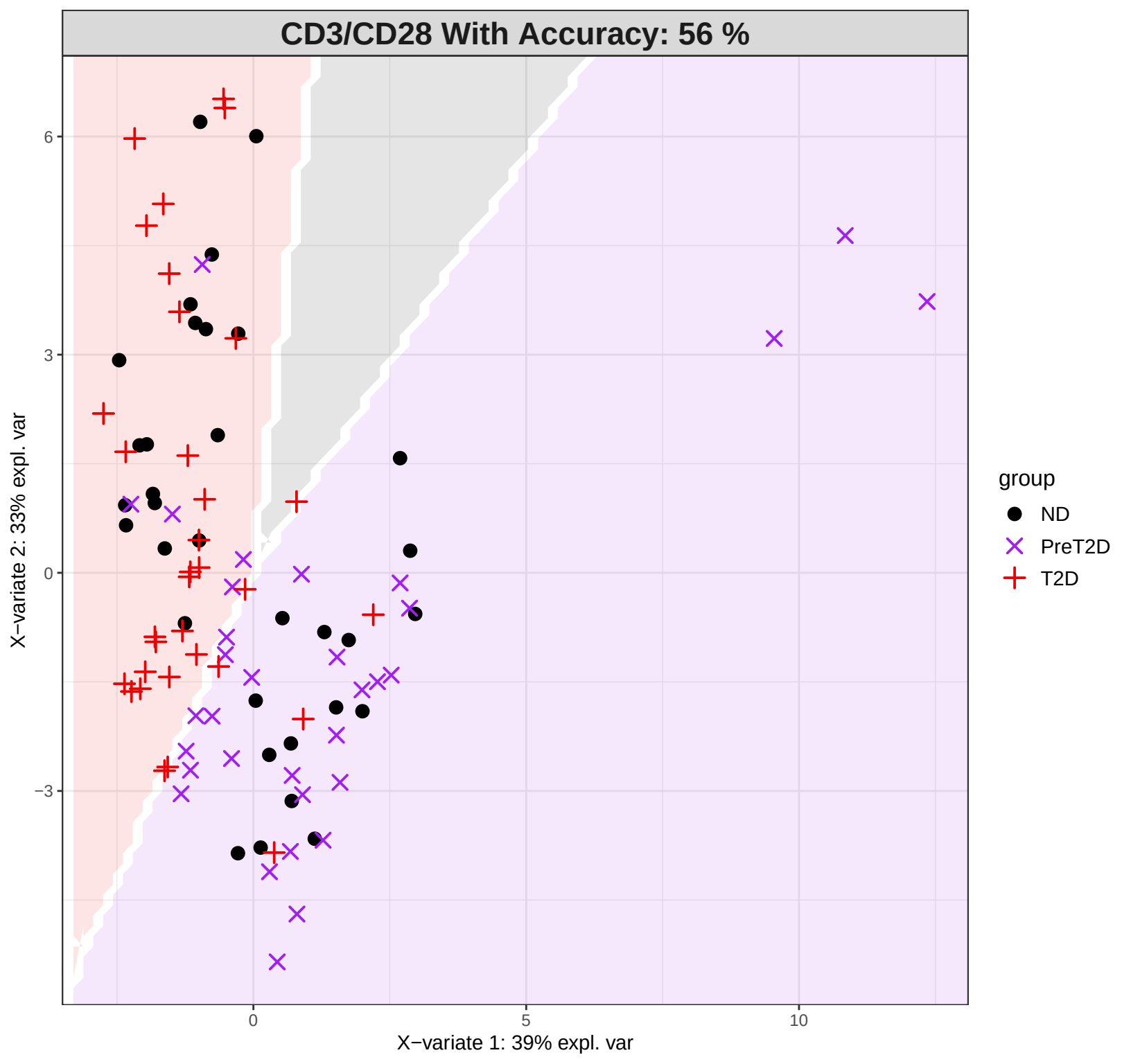
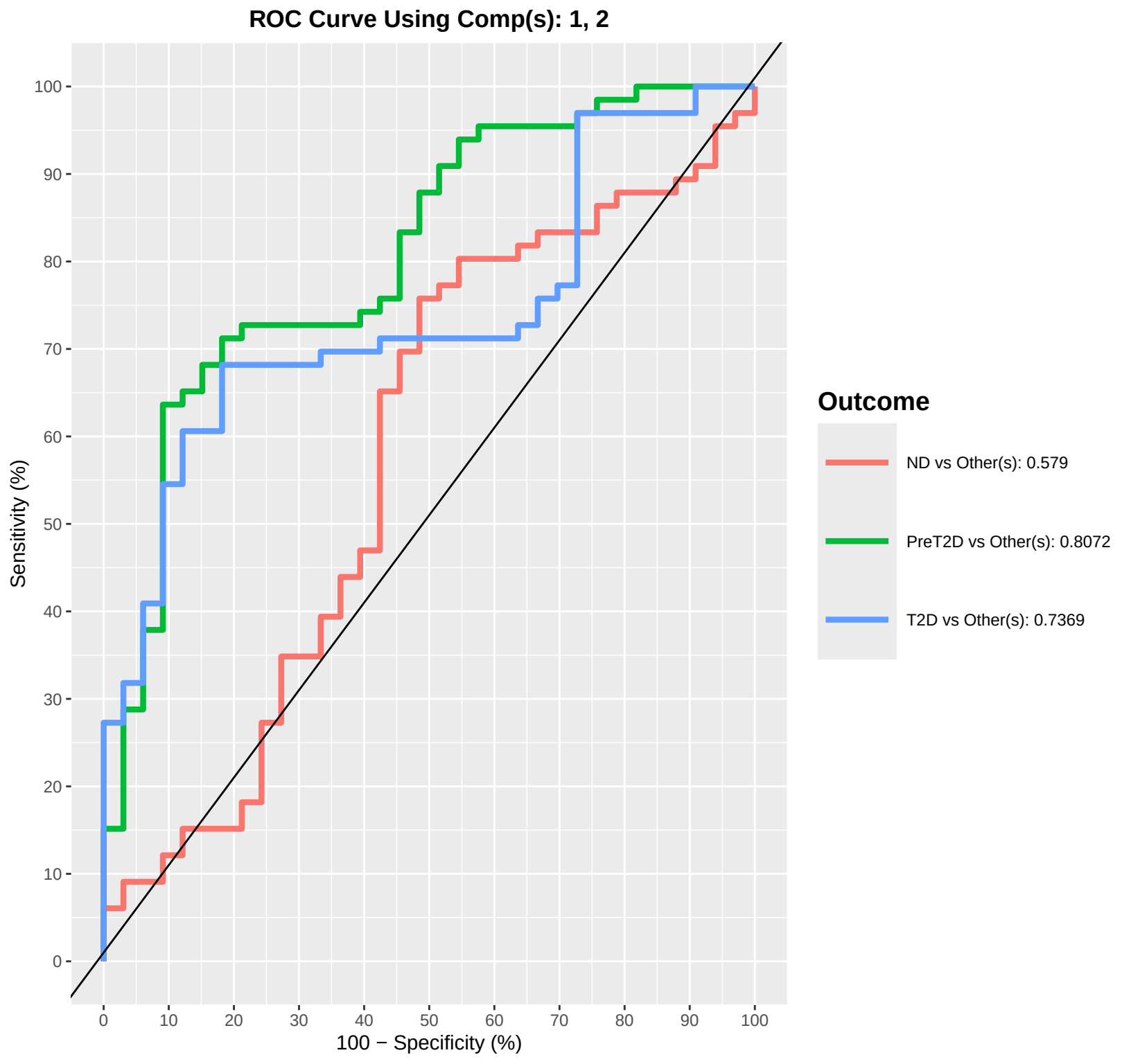
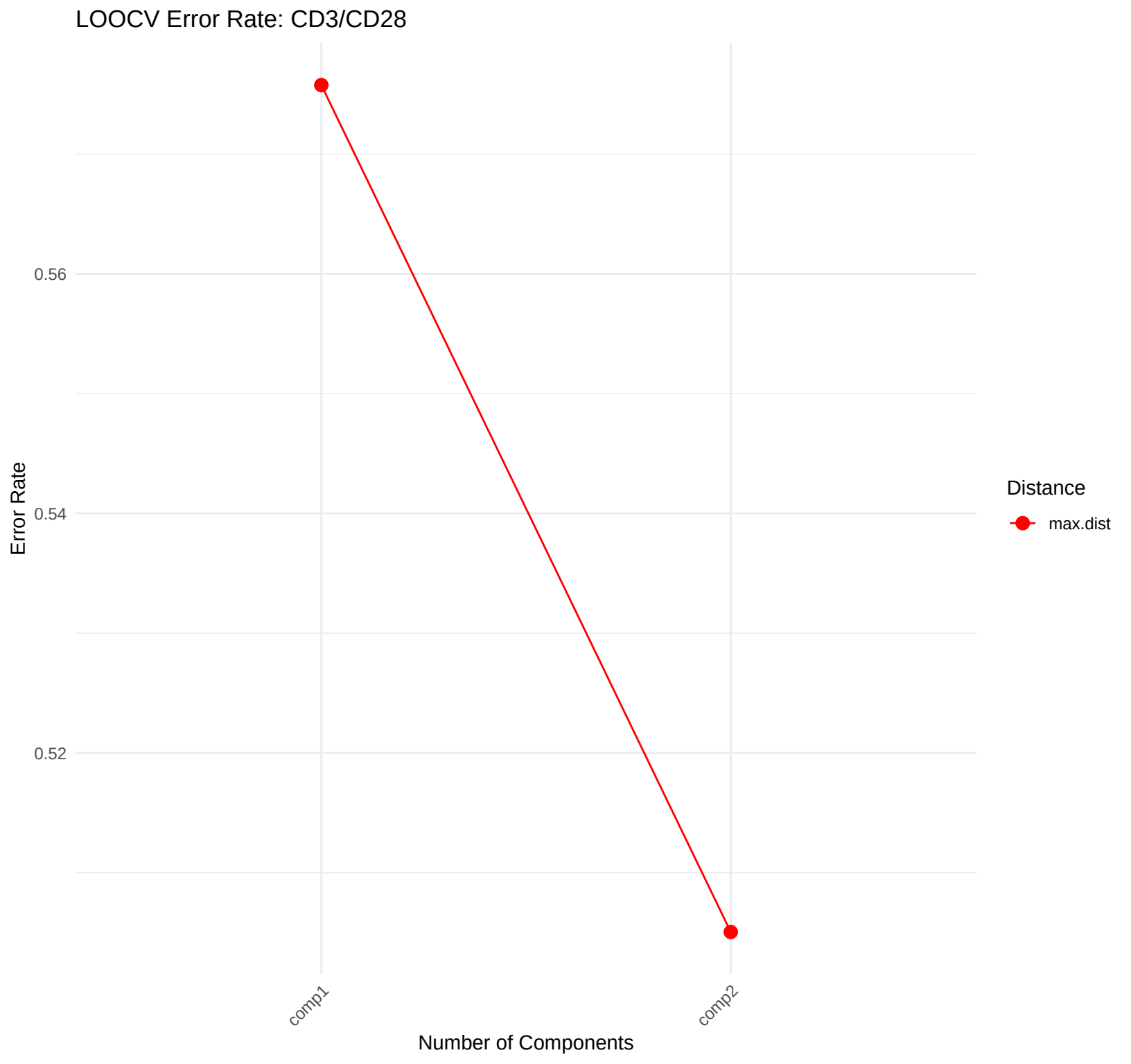
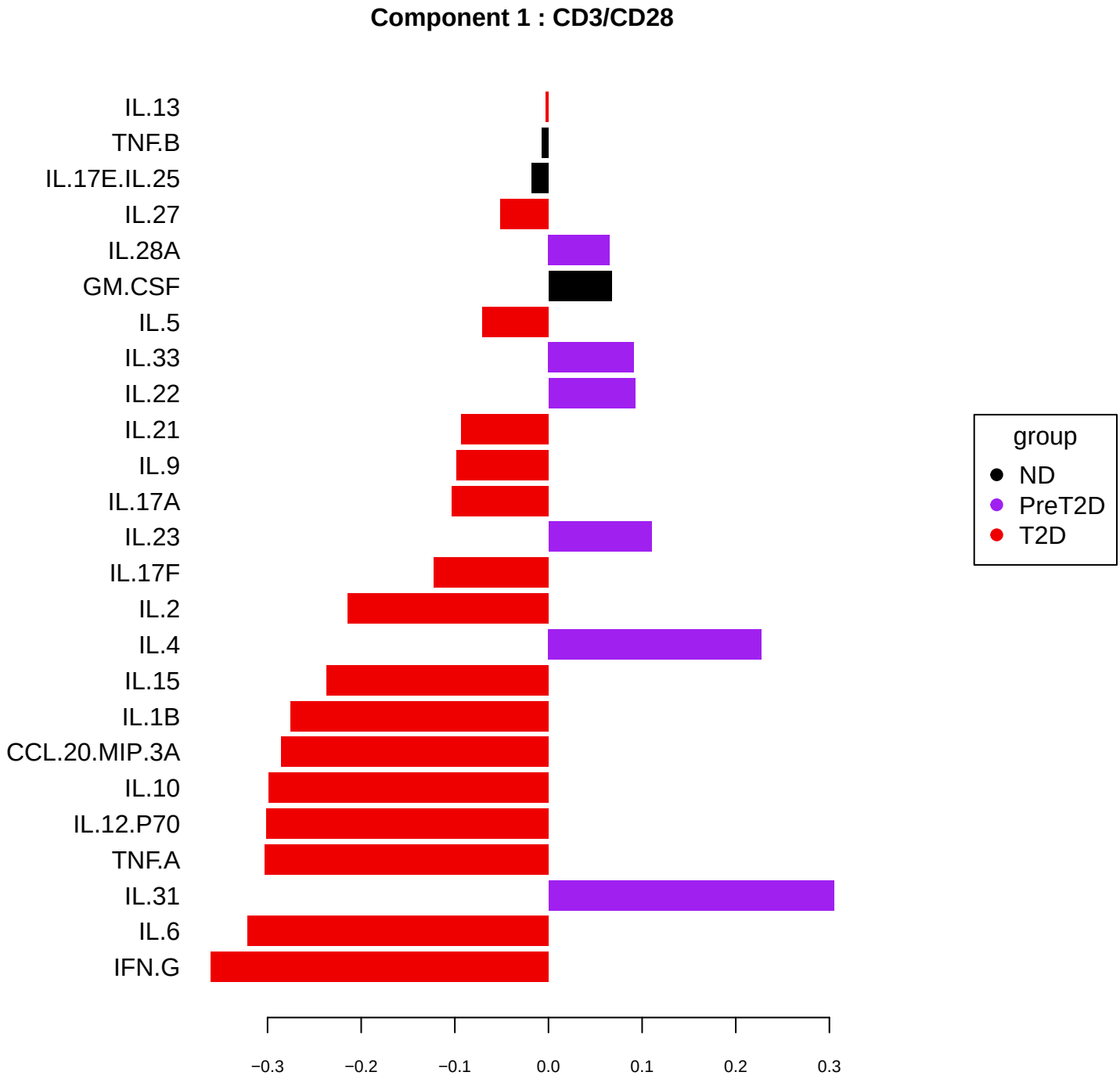
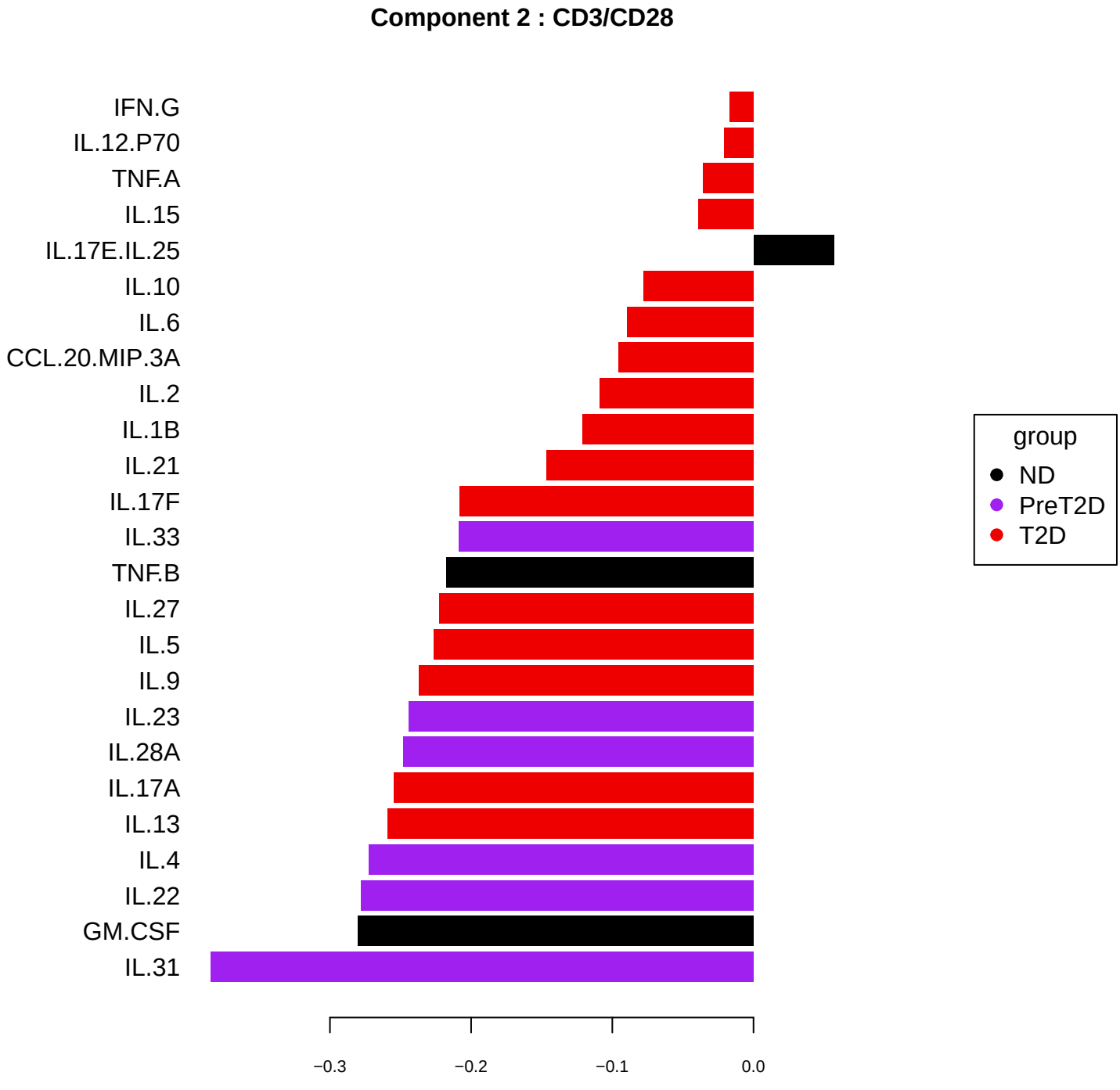
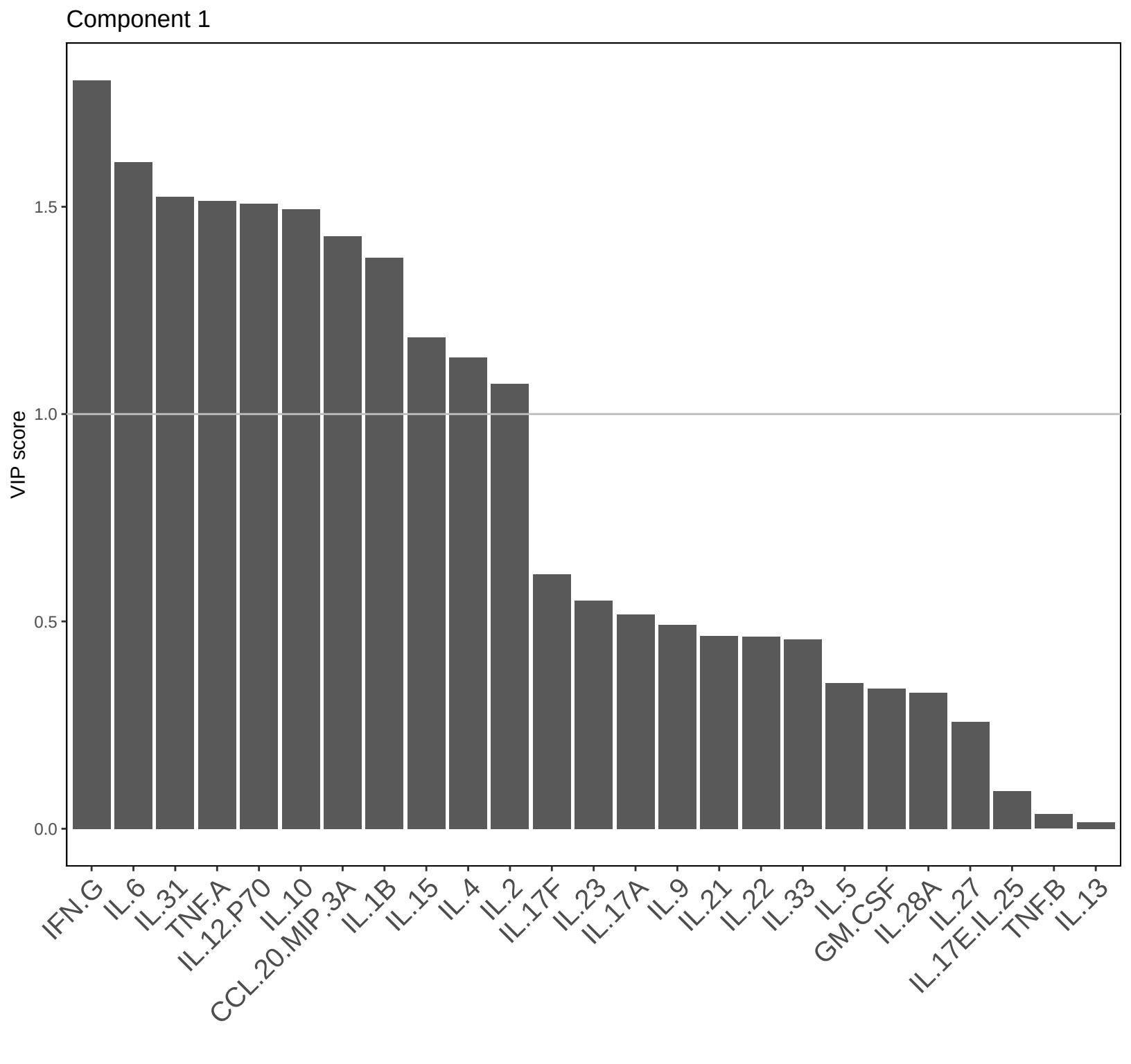

CD3/CD28 With Accuracy: 56 %
6
3
0
−3
X−variate 2: 33% expl. var
0
5
10
X−variate 1: 39% expl. var
group
ND
PreT2D
T2D

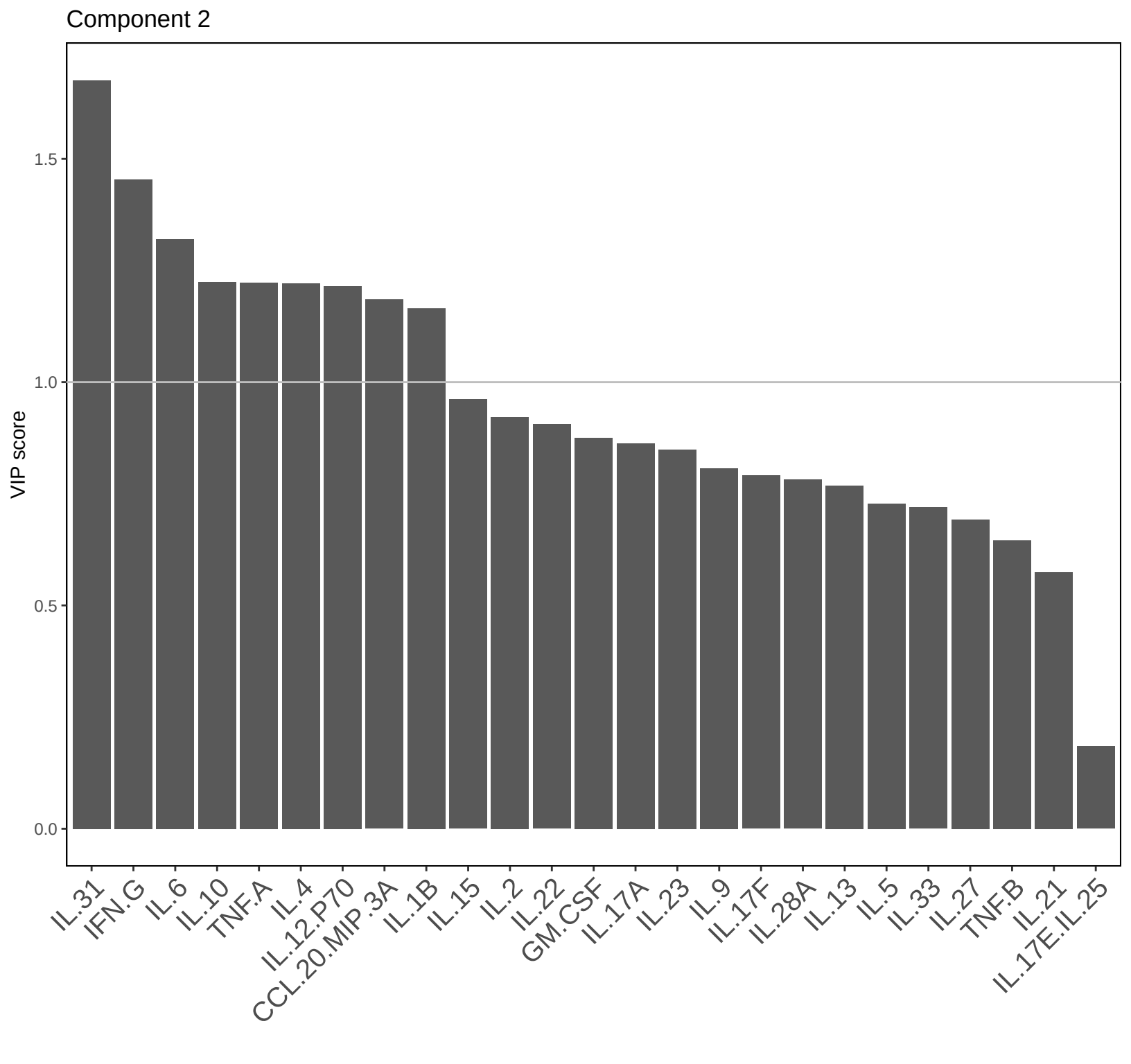

ROC Curve Using Comp(s): 1, 2
Sensitivity (%)
100 − Specificity (%)
0
10
20
30
40
50
60
70
80
90
100
Outcome
ND vs Other(s): 0.579
PreT2D vs Other(s): 0.8072
T2D vs Other(s): 0.7369

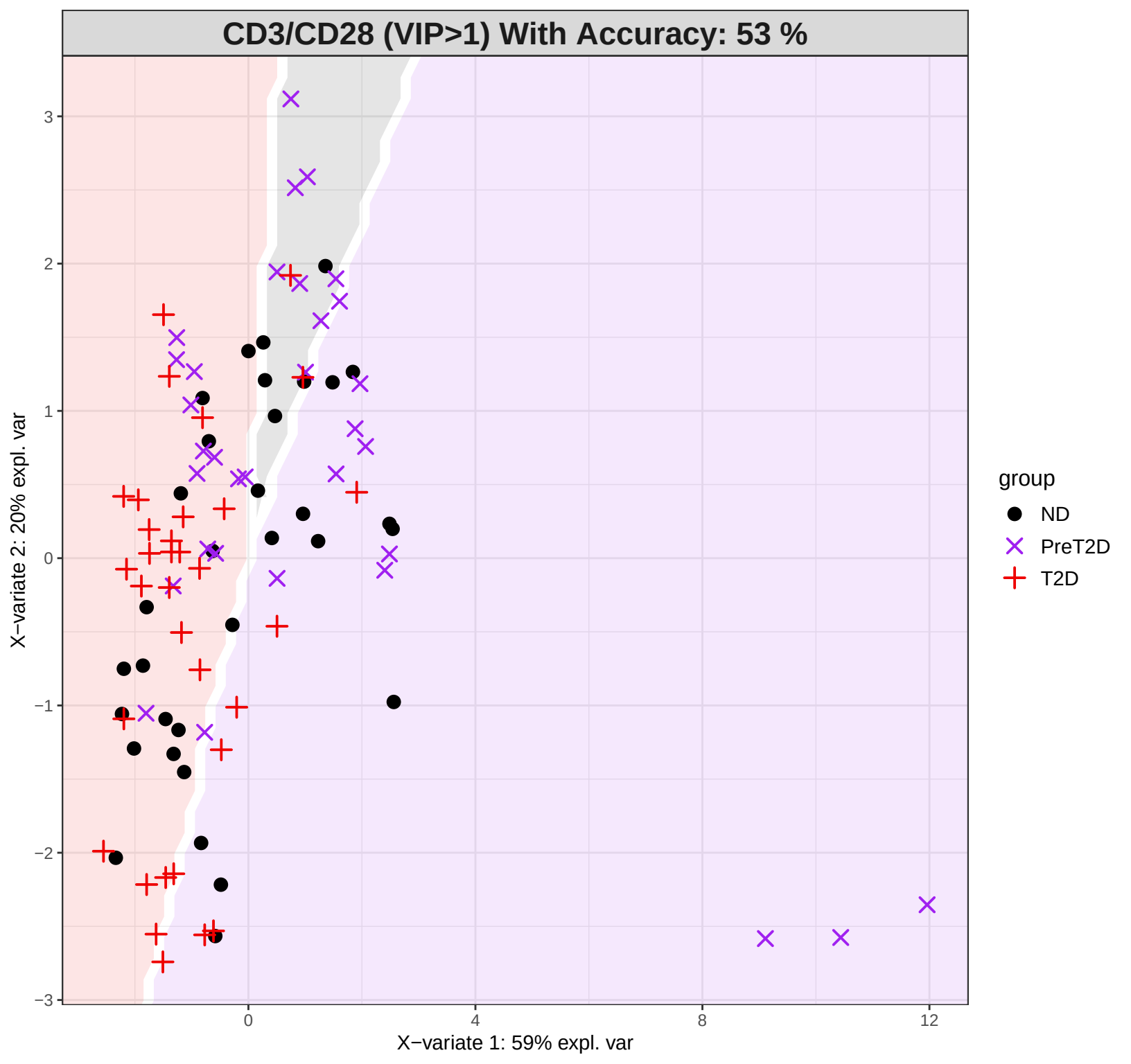

LOOCV Error Rate: CD3/CD28
0.56
0.54
0.52
Error Rate
comp1
comp2
Number of Components
Distance
max.dist

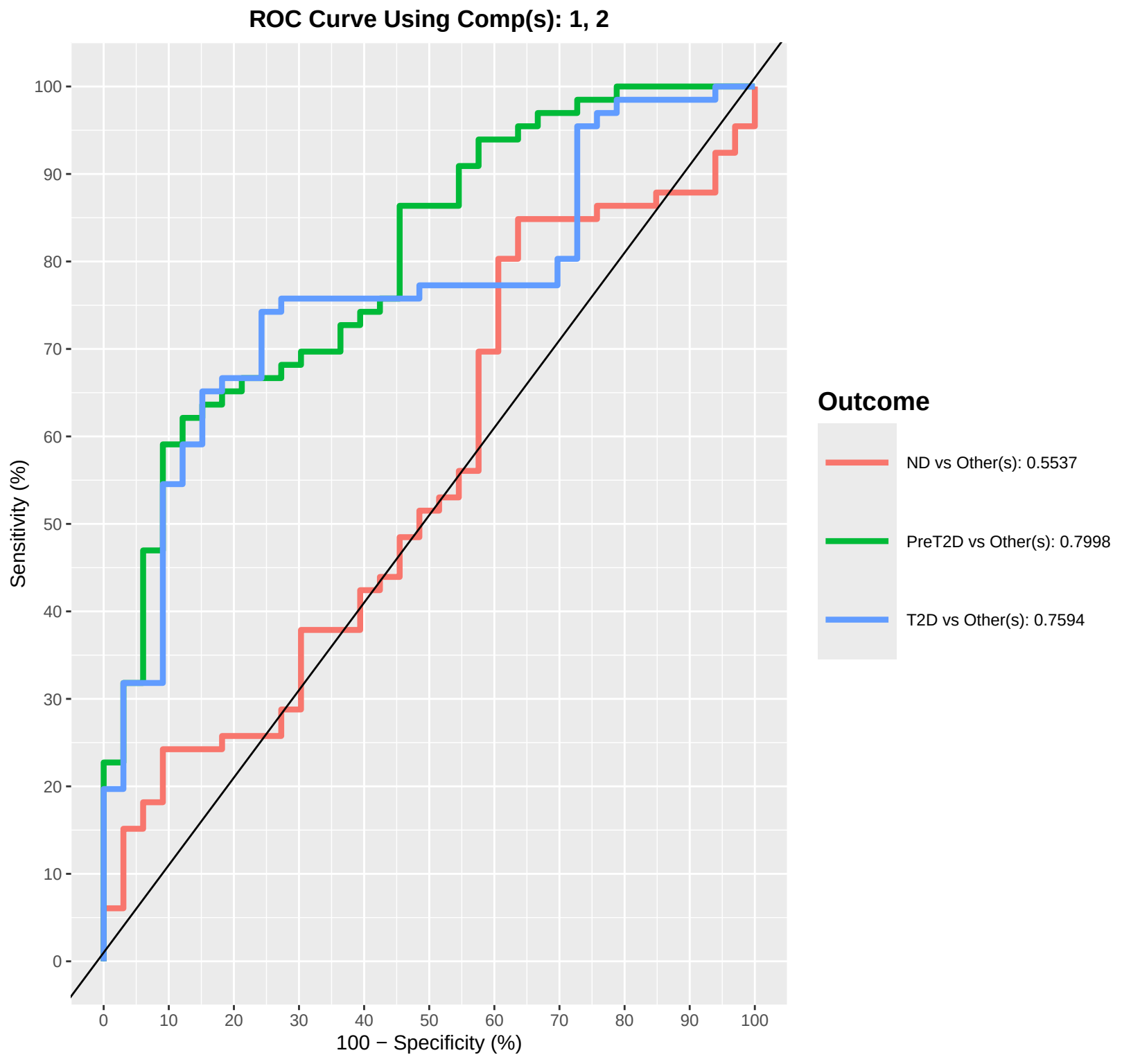

Component 1 : CD3/CD28
IL.13
TNF.B
IL.17E.IL.25
IL.27
IL.28A
GM.CSF
IL.5
IL.33
IL.22
IL.21
IL.9
IL.17A
IL.23
IL.17F
IL.2
IL.4
IL.15
IL.1B
CCL.20.MIP.3A
IL.10
IL.12.P70
TNF.A
IL.31
IL.6
IFN.G
−0.3
−0.2
−0.1
0.0
0.1
0.2
0.3
group
ND
PreT2D
T2D

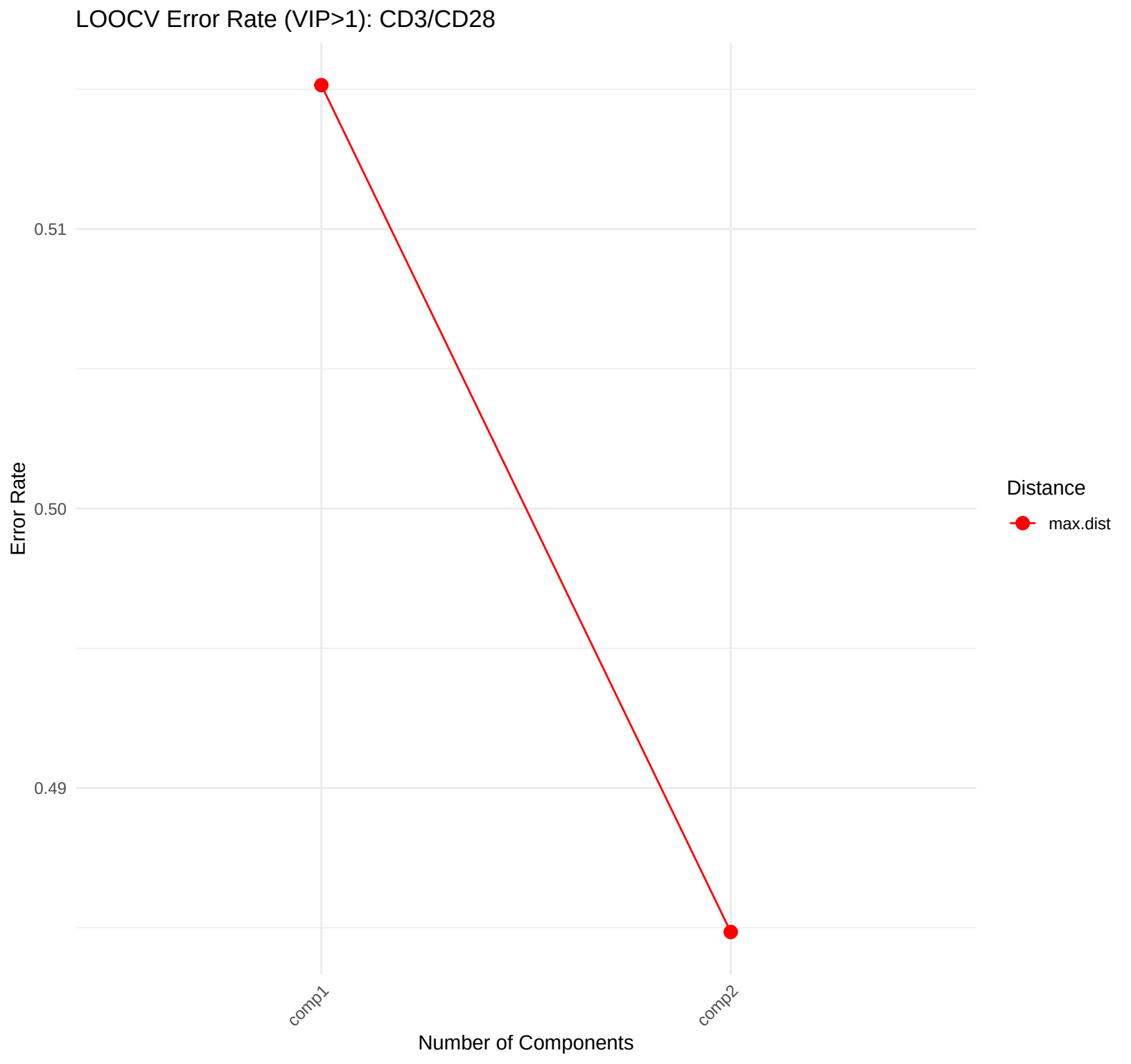

Component 2 : CD3/CD28
IFN.G
IL.12.P70
TNF.A
IL.15
IL.17E.IL.25
IL.10
IL.6
CCL.20.MIP.3A
IL.2
IL.1B
IL.21
IL.17F
IL.33
TNF.B
IL.27
IL.5
IL.9
IL.23
IL.28A
IL.17A
IL.13
IL.4
IL.22
GM.CSF
IL.31
−0.3
−0.2
−0.1
0.0
group
ND
PreT2D
T2D

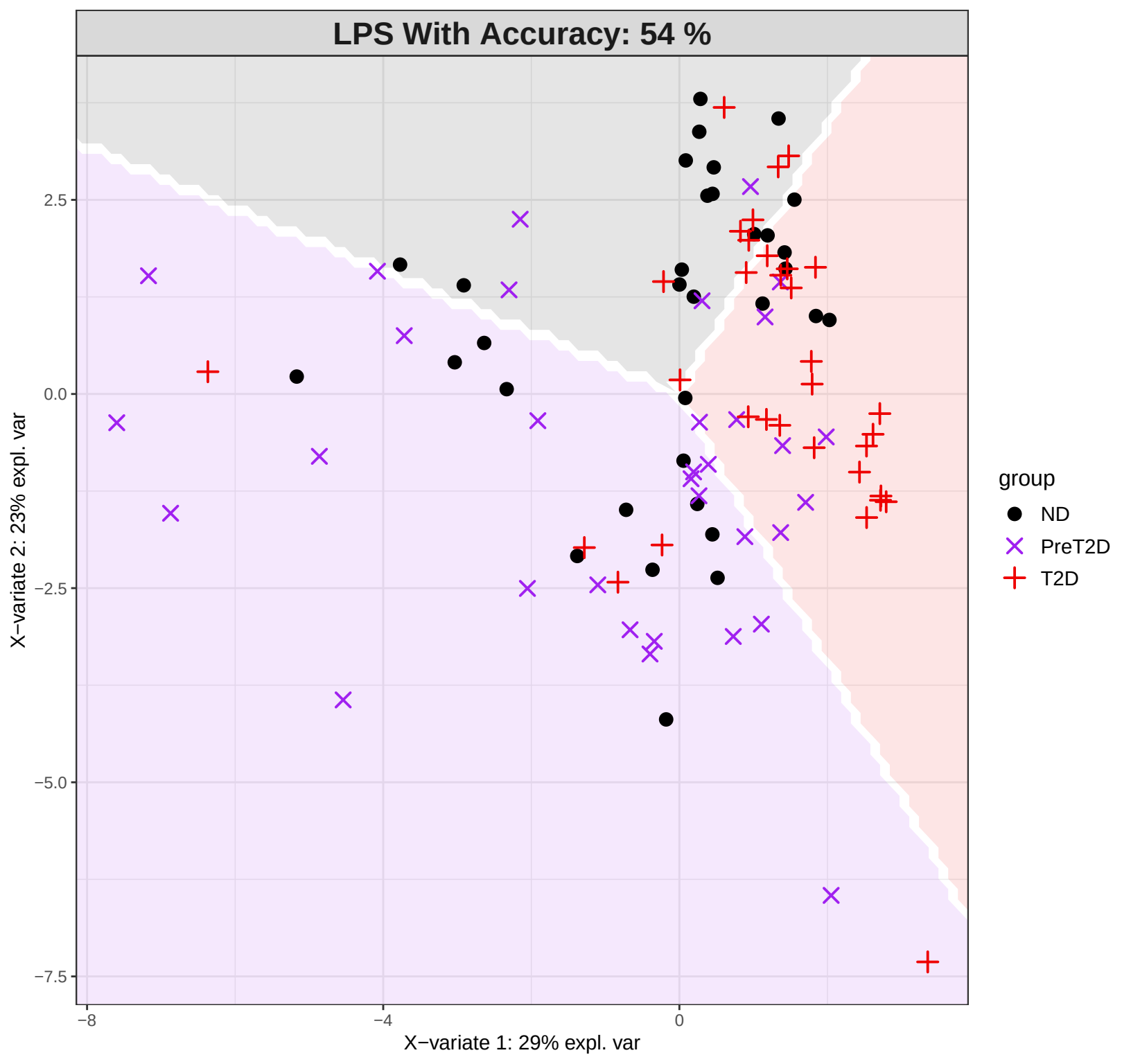

Component 1
VIP score
1.5
1.0
0.5
0.0
IFN.G
IL.6
IL.31
TNF.A
IL.12.P70
IL.10
CCL.20.MIP.3A
IL.1B
IL.15
IL.4
IL.2
IL.17F
IL.23
IL.17A
IL.9
IL.21
IL.22
IL.33
IL.5
GM.CSF
IL.28A
IL.27
IL.17E.IL.25
TNF.B
IL.13

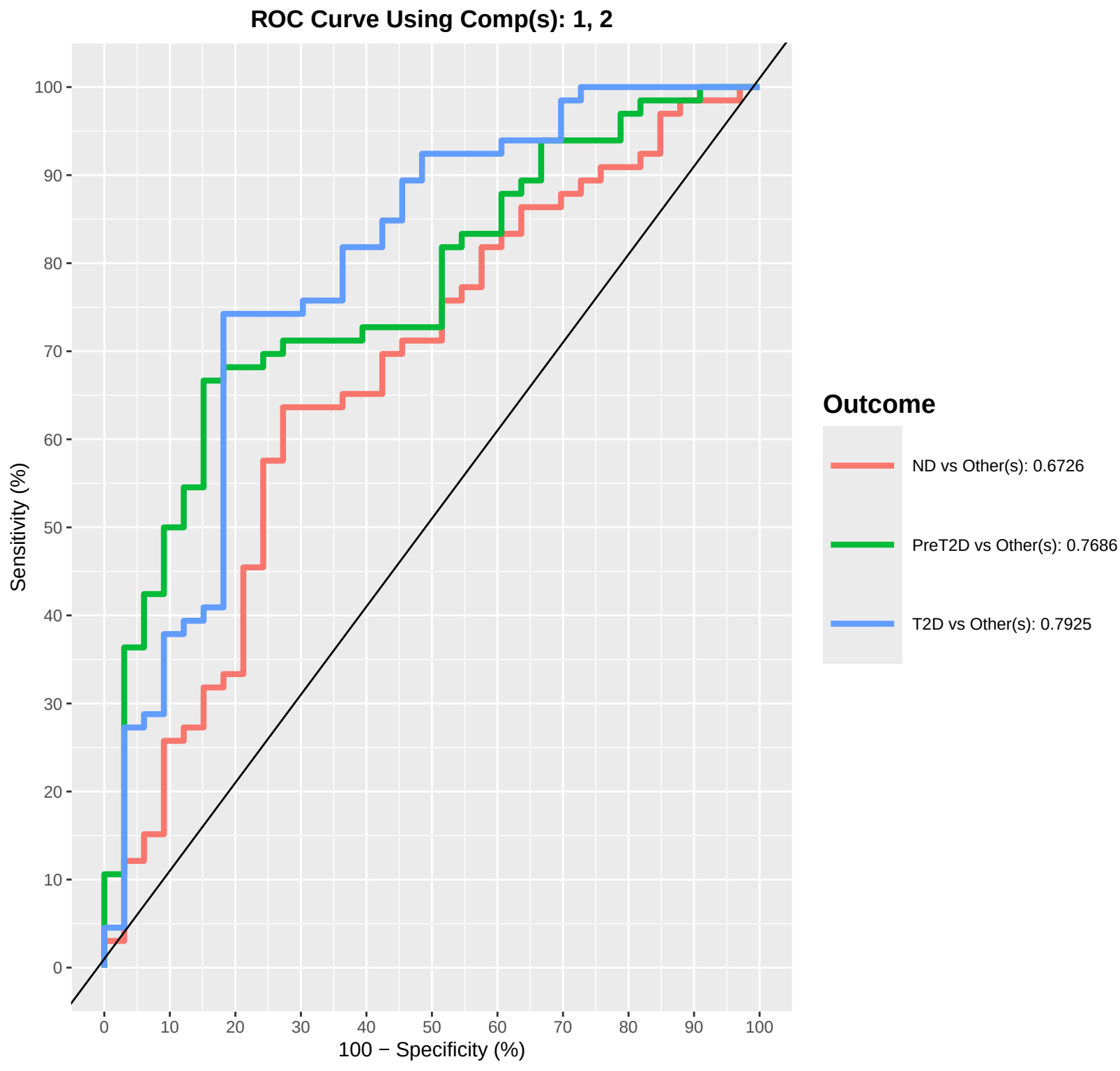

Component 2
VIP score
1.5
1.0
0.5
0.0
IL.31
IFN.G
IL.6
IL.10
TNF.A
IL.4
IL.12.P70
CCL.20.MIP.3A
IL.1B
IL.15
IL.2
IL.22
GM.CSF
IL.17A
IL.23
IL.9
IL.17F
IL.28A
IL.13
IL.5
IL.33
IL.27
TNF.B
IL.21
IL.17E.IL.25

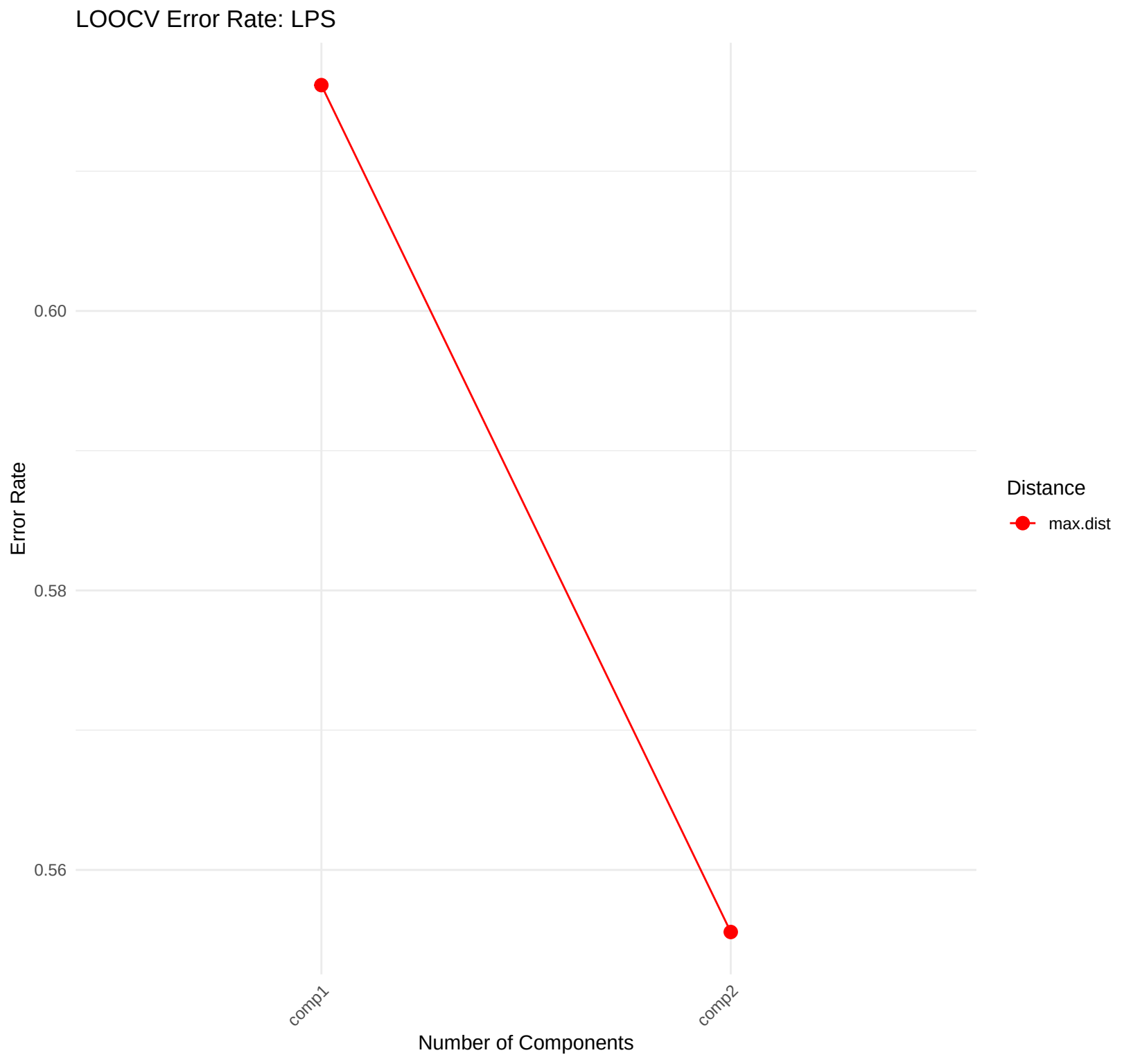

CD3/CD28 (VIP>1) With Accuracy: 53 %
X−variate 2: 20% expl. var
X−variate 1: 59% expl. var
3
2
1
0
−1
−2
−3
0
4
8
12
group
ND
PreT2D
T2D

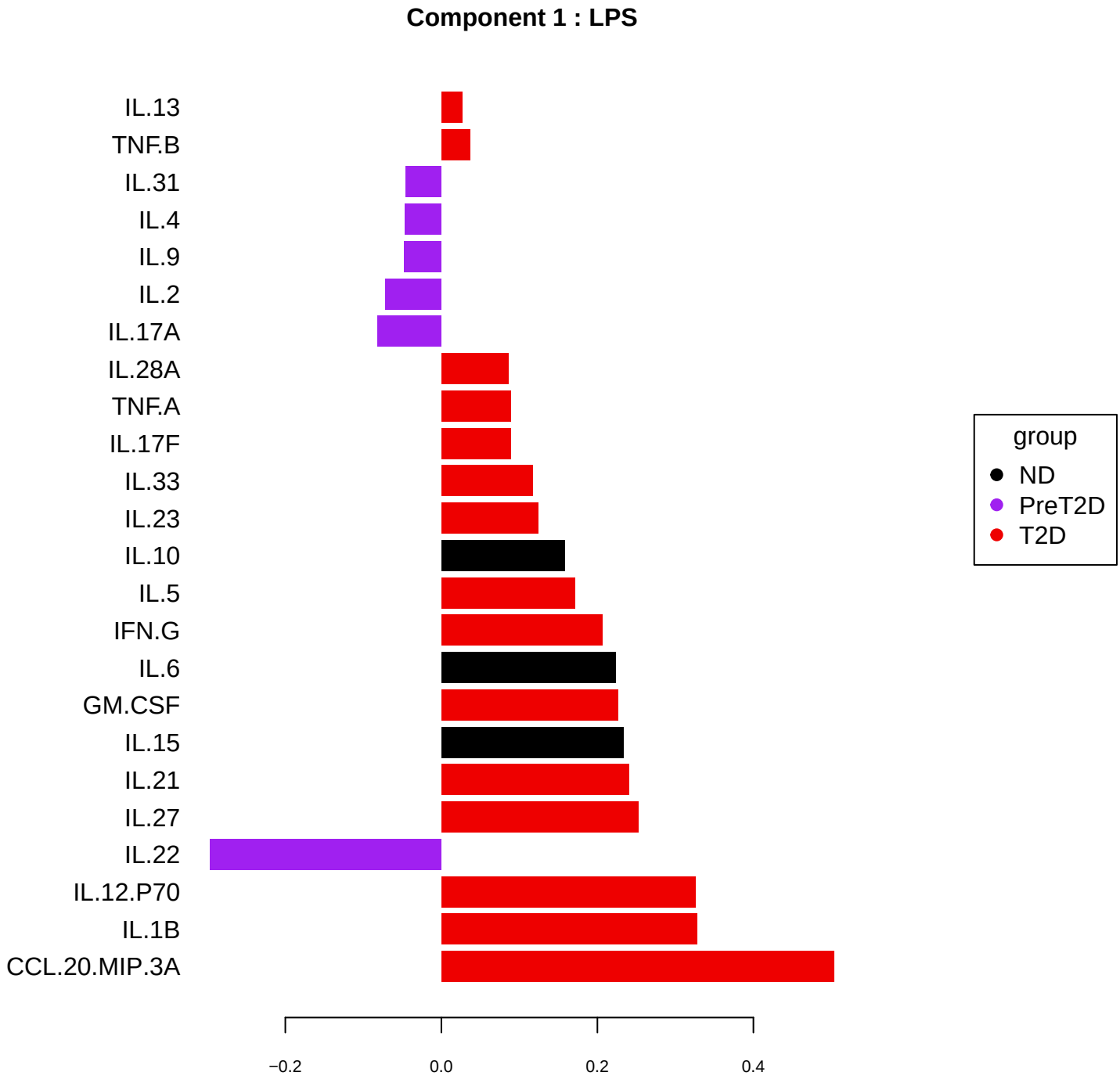

ROC Curve Using Comp(s): 1, 2
Sensitivity (%)
100 − Specificity (%)
0
10
20
30
40
50
60
70
80
90
100
Outcome
ND vs Other(s): 0.5537
PreT2D vs Other(s): 0.7998
T2D vs Other(s): 0.7594

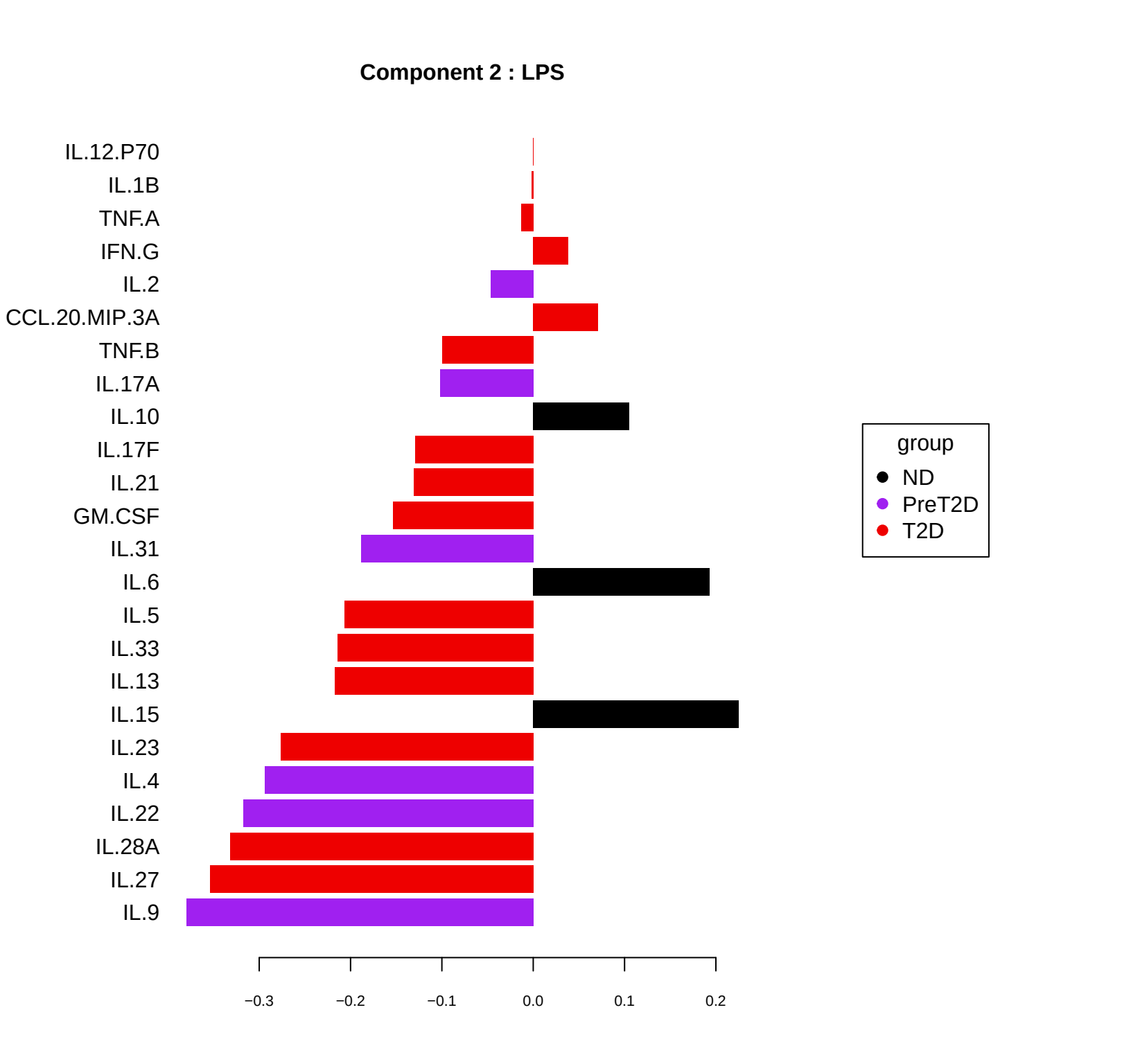

LOOCV Error Rate (VIP>1): CD3/CD28
Error Rate
0.51
0.50
0.49
comp1
comp2
Number of Components
Distance
max.dist

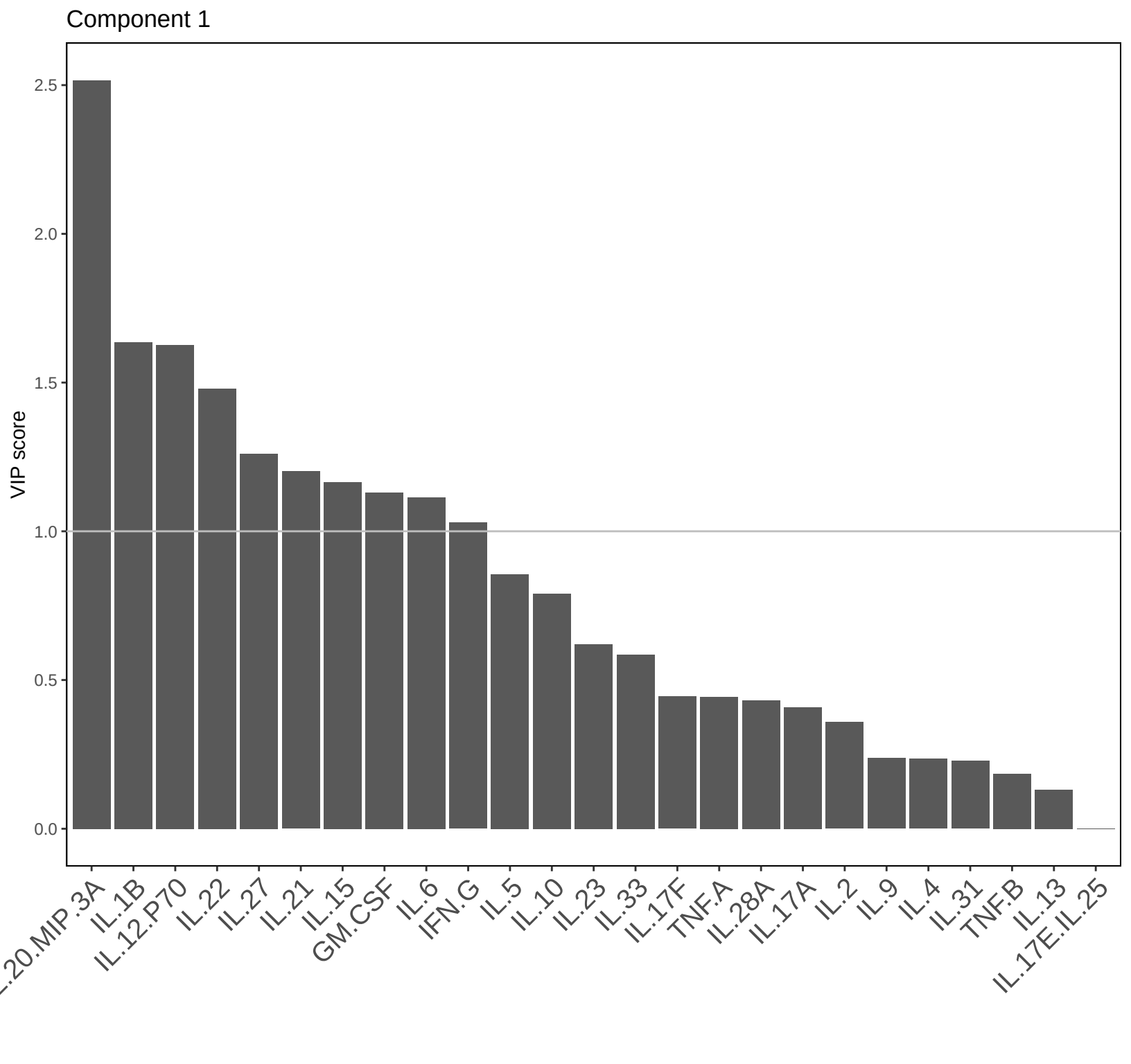

LPS With Accuracy: 54 %
2.5
0.0
−2.5
−5.0
−7.5
X−variate 2: 23% expl. var
−8
−4
0
X−variate 1: 29% expl. var
group
ND
PreT2D
T2D

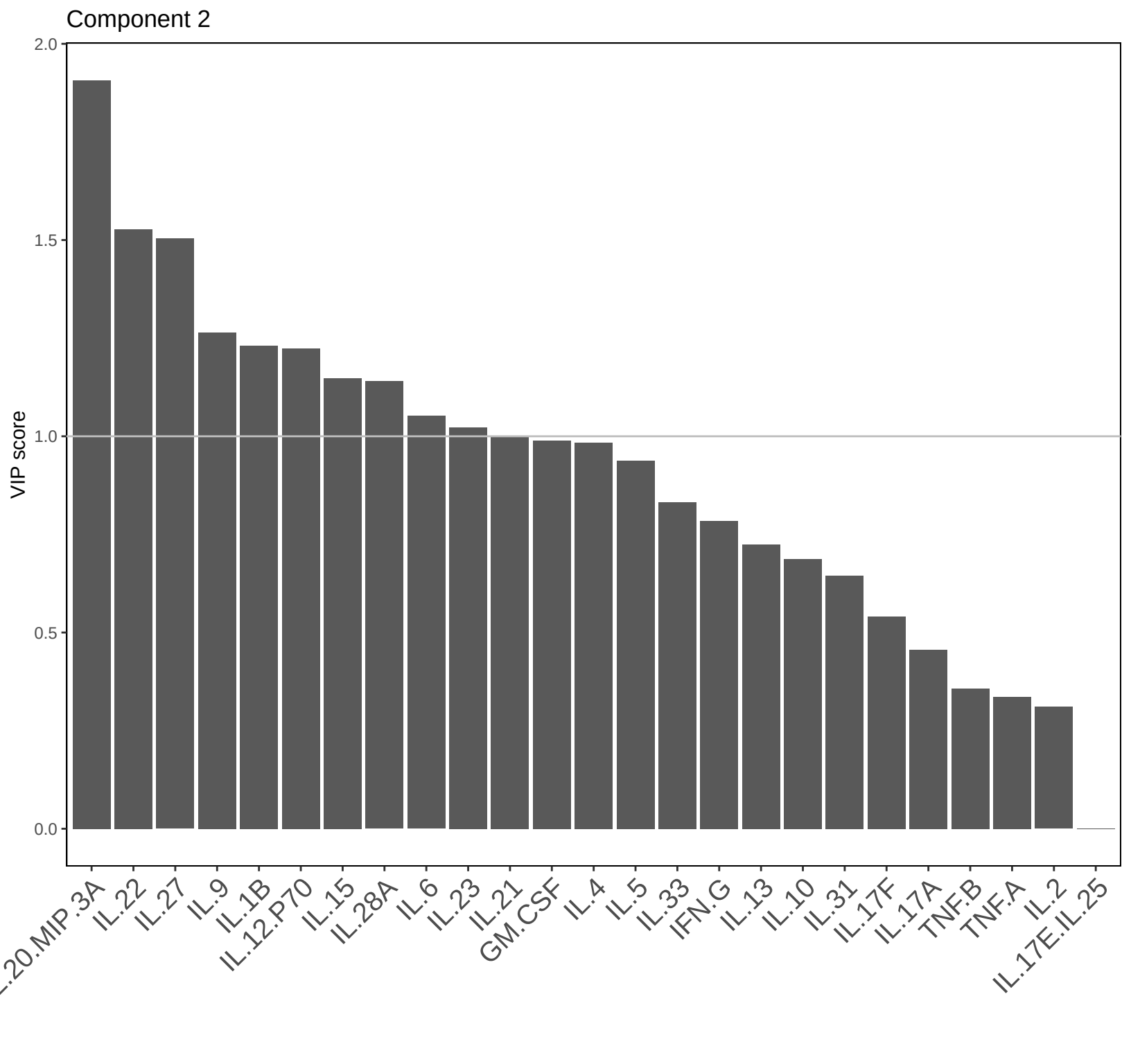

ROC Curve Using Comp(s): 1, 2
Sensitivity (%)
100 − Specificity (%)
0
10
20
30
40
50
60
70
80
90
100
Outcome
ND vs Other(s): 0.6726
PreT2D vs Other(s): 0.7686
T2D vs Other(s): 0.7925

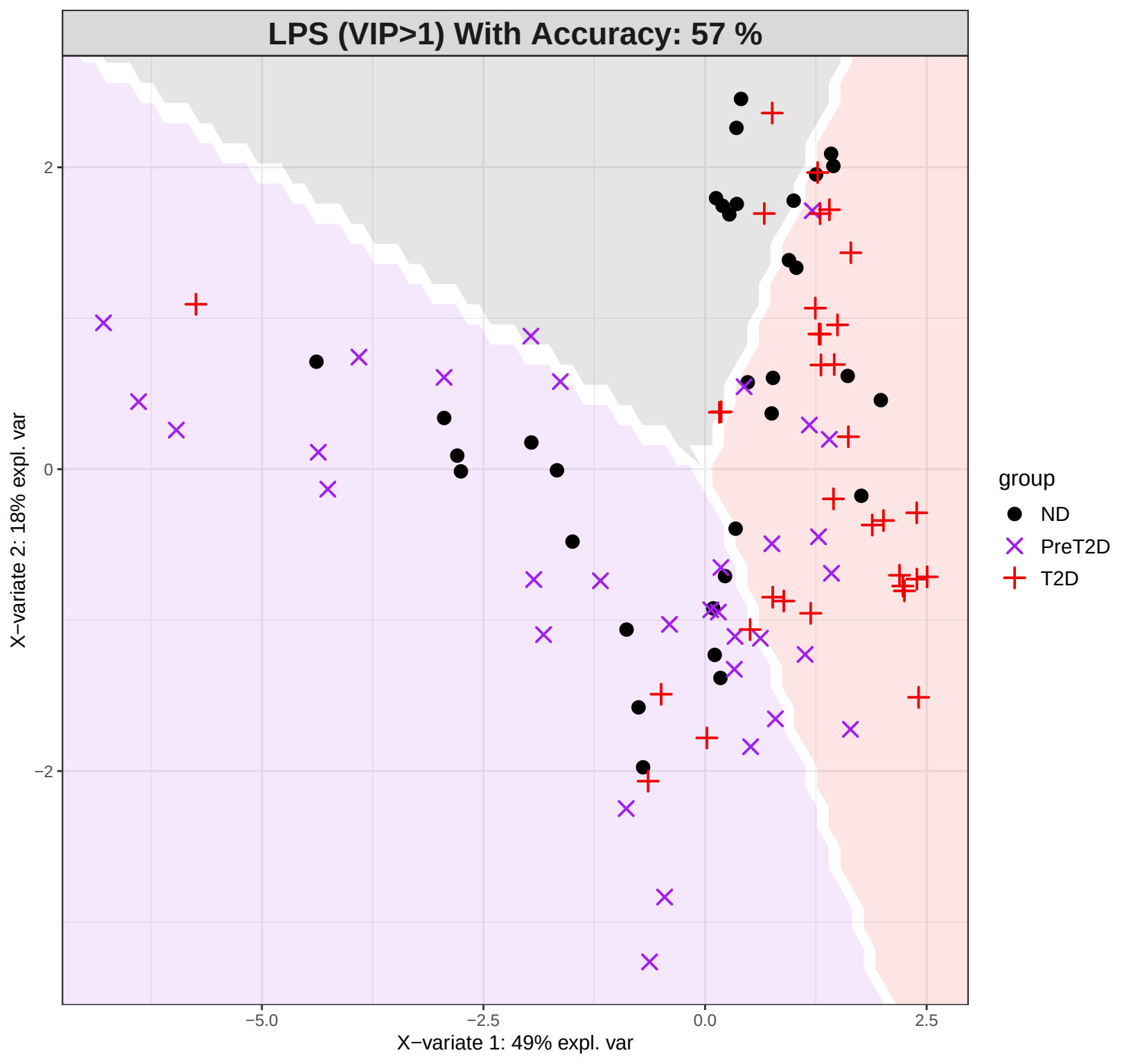

LOOCV Error Rate: LPS
Error Rate
0.60
0.58
0.56
comp1
comp2
Number of Components
Distance
max.dist

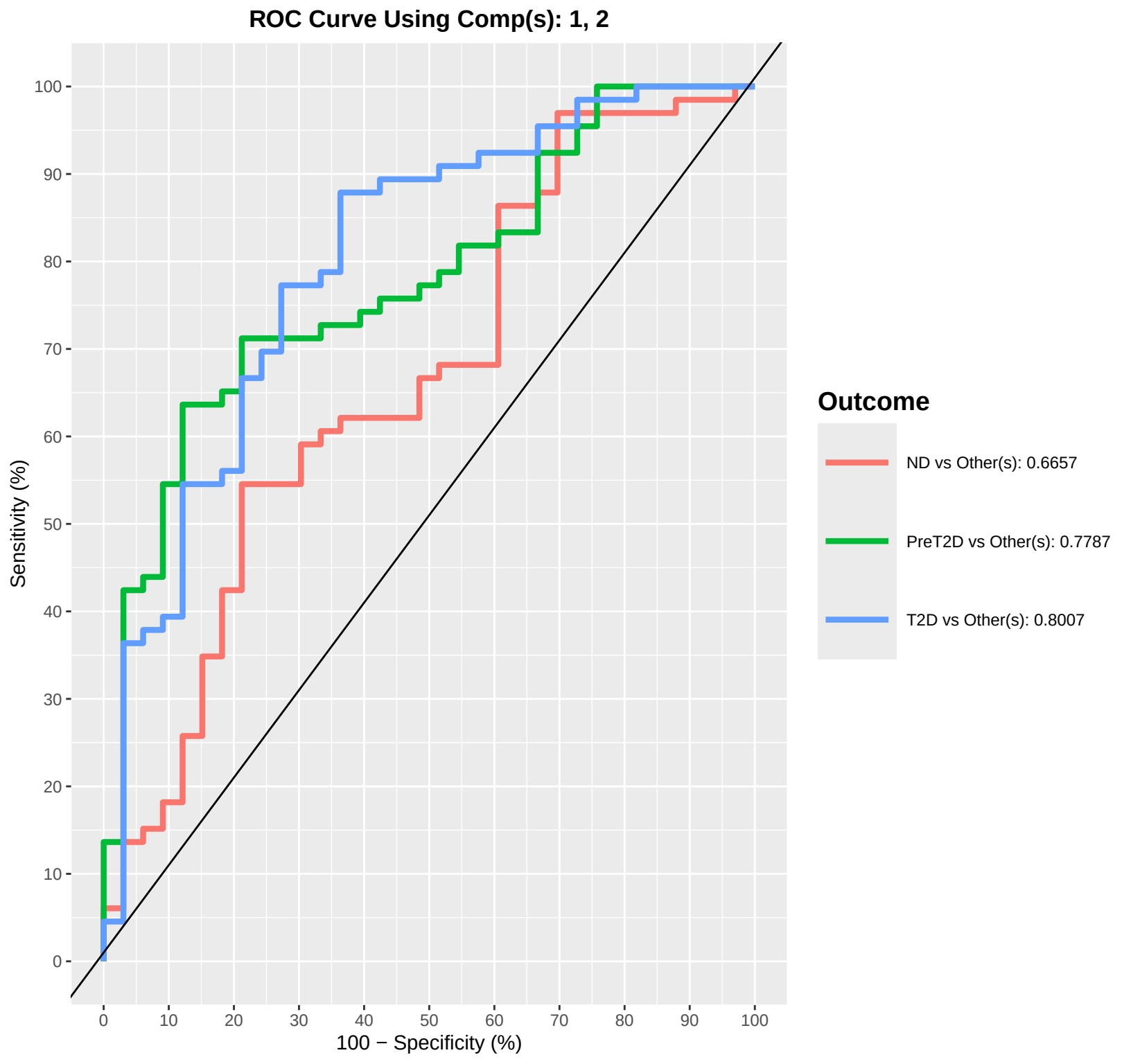

Component 1 : LPS
IL.13
TNF.B
IL.31
IL.4
IL.9
IL.2
IL.17A
IL.28A
TNF.A
IL.17F
IL.33
IL.23
IL.10
IL.5
IFN.G
IL.6
GM.CSF
IL.15
IL.21
IL.27
IL.22
IL.12.P70
IL.1B
CCL.20.MIP.3A
−0.2
0.0
0.2
0.4
group
ND
PreT2D
T2D

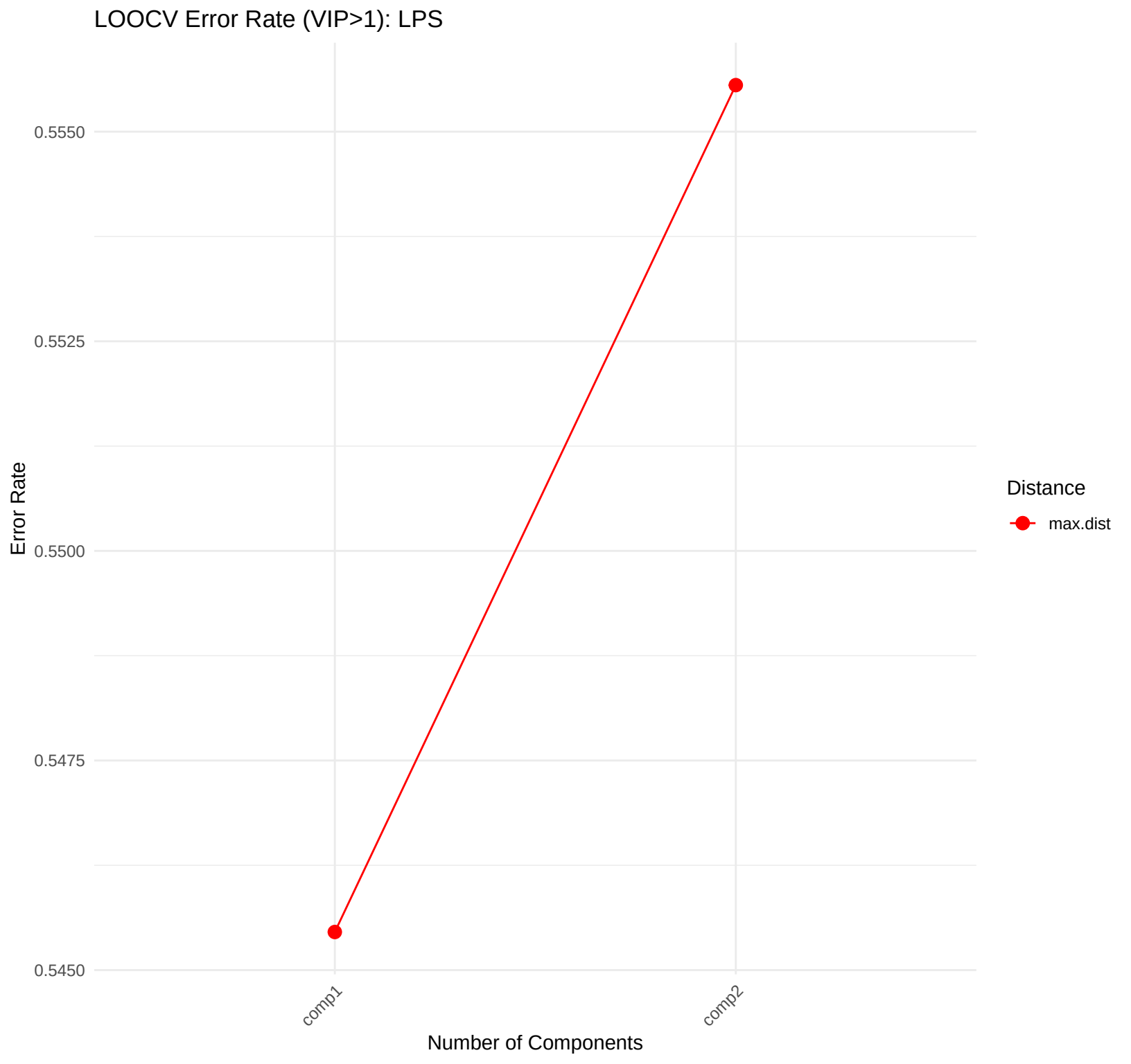

Component 2 : LPS
IL.12.P70
IL.1B
TNF.A
IFN.G
IL.2
CCL.20.MIP.3A
TNF.B
IL.17A
IL.10
IL.17F
IL.21
GM.CSF
IL.31
IL.6
IL.5
IL.33
IL.13
IL.15
IL.23
IL.4
IL.22
IL.28A
IL.27
IL.9
−0.3
−0.2
−0.1
0.0
0.1
0.2
group
ND
PreT2D
T2D

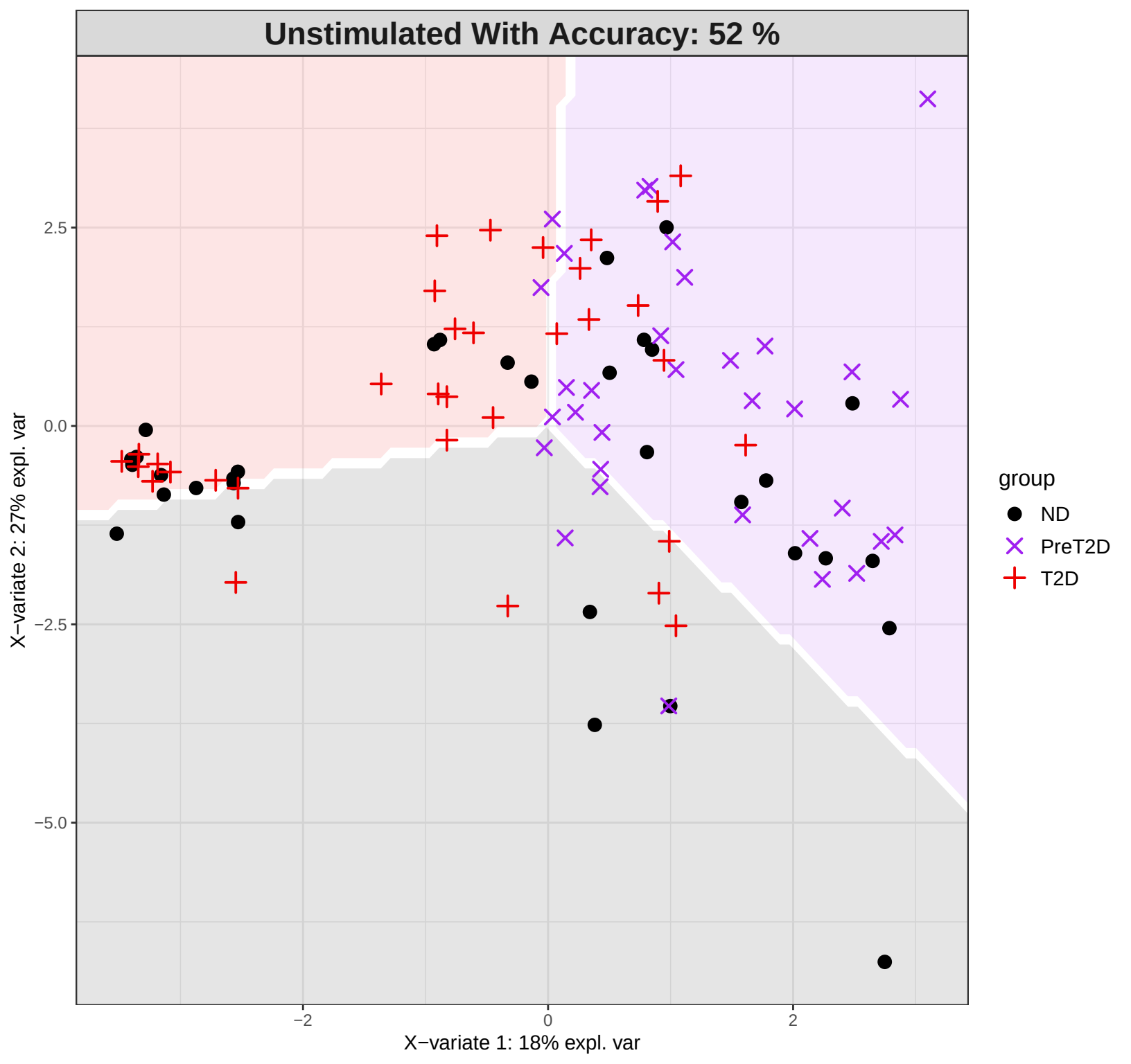

Component 1
VIP score
2.5
2.0
1.5
1.0
0.5
0.0
L.20.MIP.3A
IL.1B
IL.12.P70
IL.22
IL.27
IL.21
IL.15
GM.CSF
IL.6
IFN.G
IL.5
IL.10
IL.23
IL.33
IL.17F
TNF.A
IL.28A
IL.17A
IL.2
IL.9
IL.4
IL.31
TNF.B
IL.13
IL.17E.IL.25

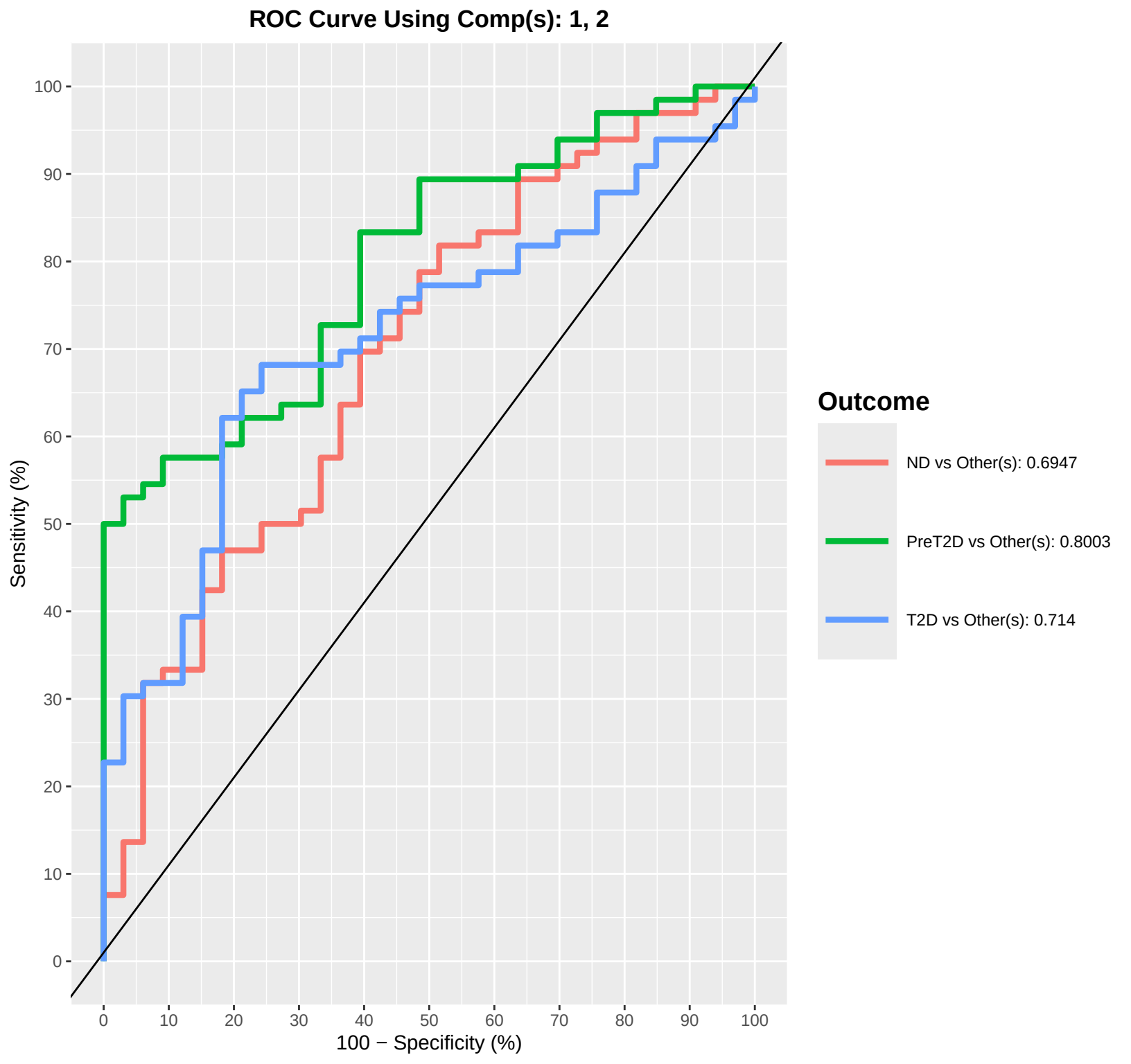

Component 2
VIP score
2.0
1.5
1.0
0.5
0.0
L.20.MIP.3A
IL.22
IL.27
IL.9
IL.1B
IL.12.P70
IL.15
IL.28A
IL.6
IL.23
IL.21
GM.CSF
IL.4
IL.5
IL.33
IFN.G
IL.13
IL.10
IL.31
IL.17F
IL.17A
TNF.B
TNF.A
IL.2
IL.17E.IL.25

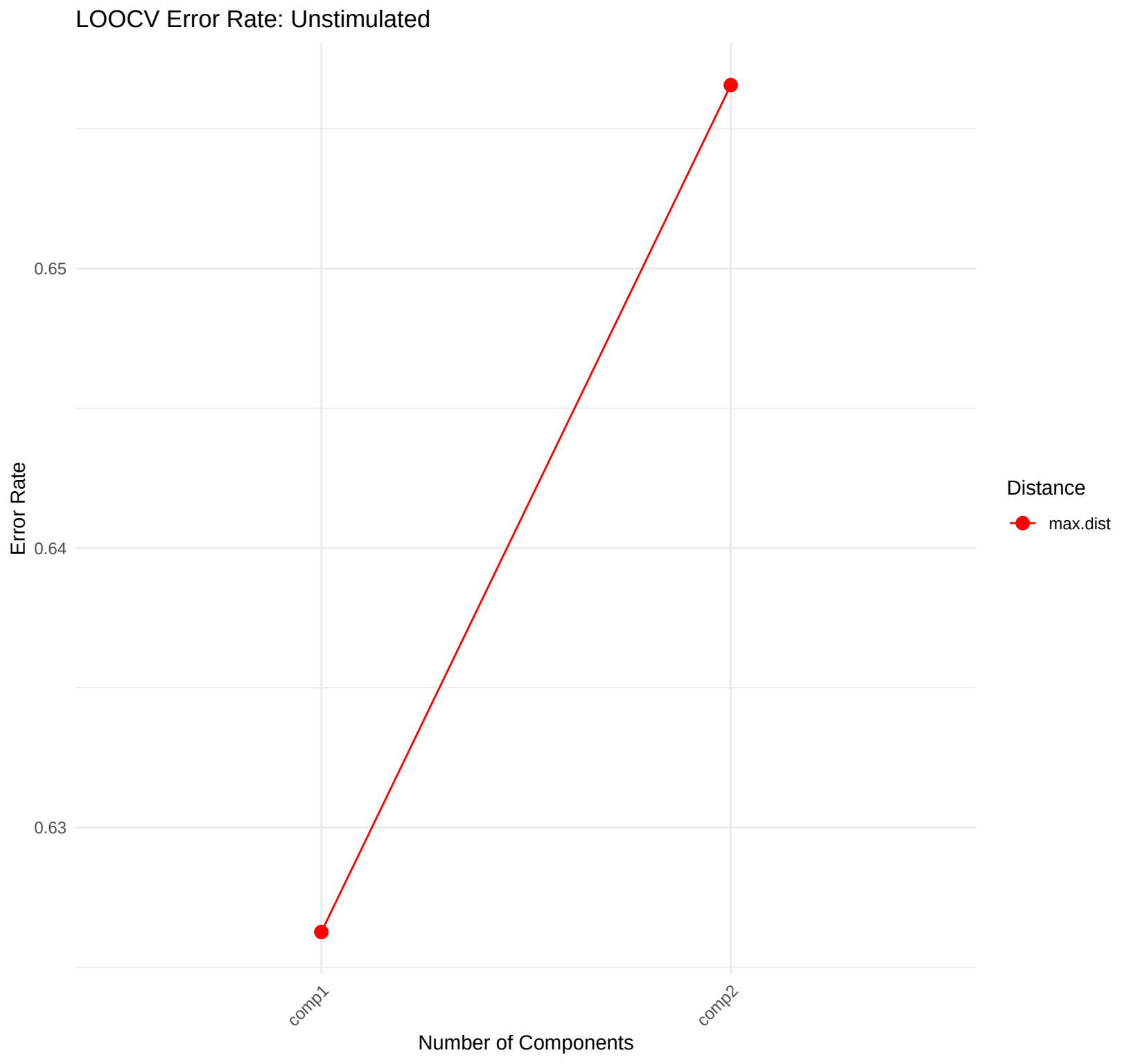

LPS (VIP>1) With Accuracy: 57 %
2
0
−2
X−variate 2: 18% expl. var
−5.0
−2.5
0.0
2.5
X−variate 1: 49% expl. var
group
ND
PreT2D
T2D

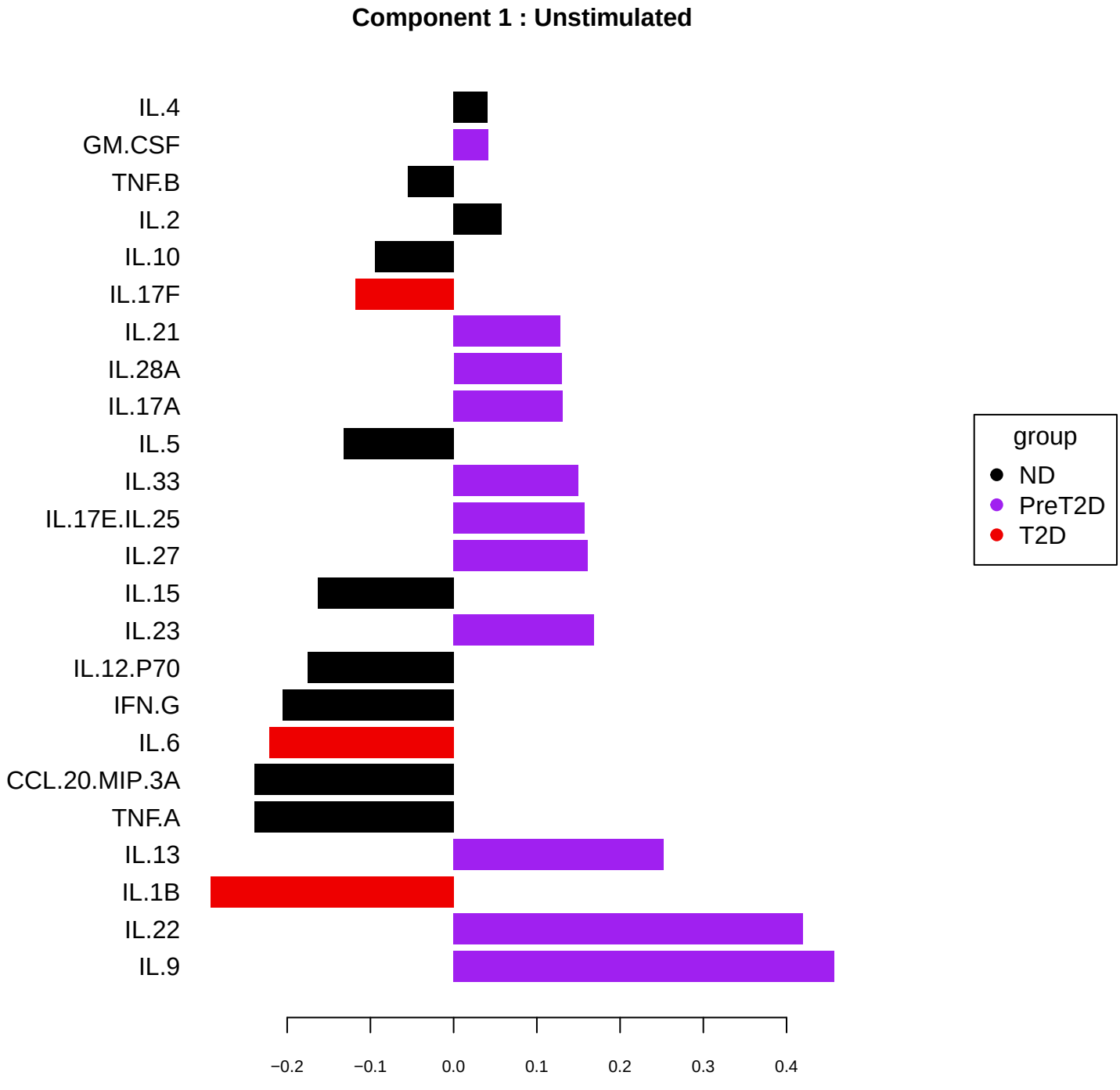

ROC Curve Using Comp(s): 1, 2
Sensitivity (%)
100 − Specificity (%)
0
10
20
30
40
50
60
70
80
90
100
Outcome
ND vs Other(s): 0.6657
PreT2D vs Other(s): 0.7787
T2D vs Other(s): 0.8007

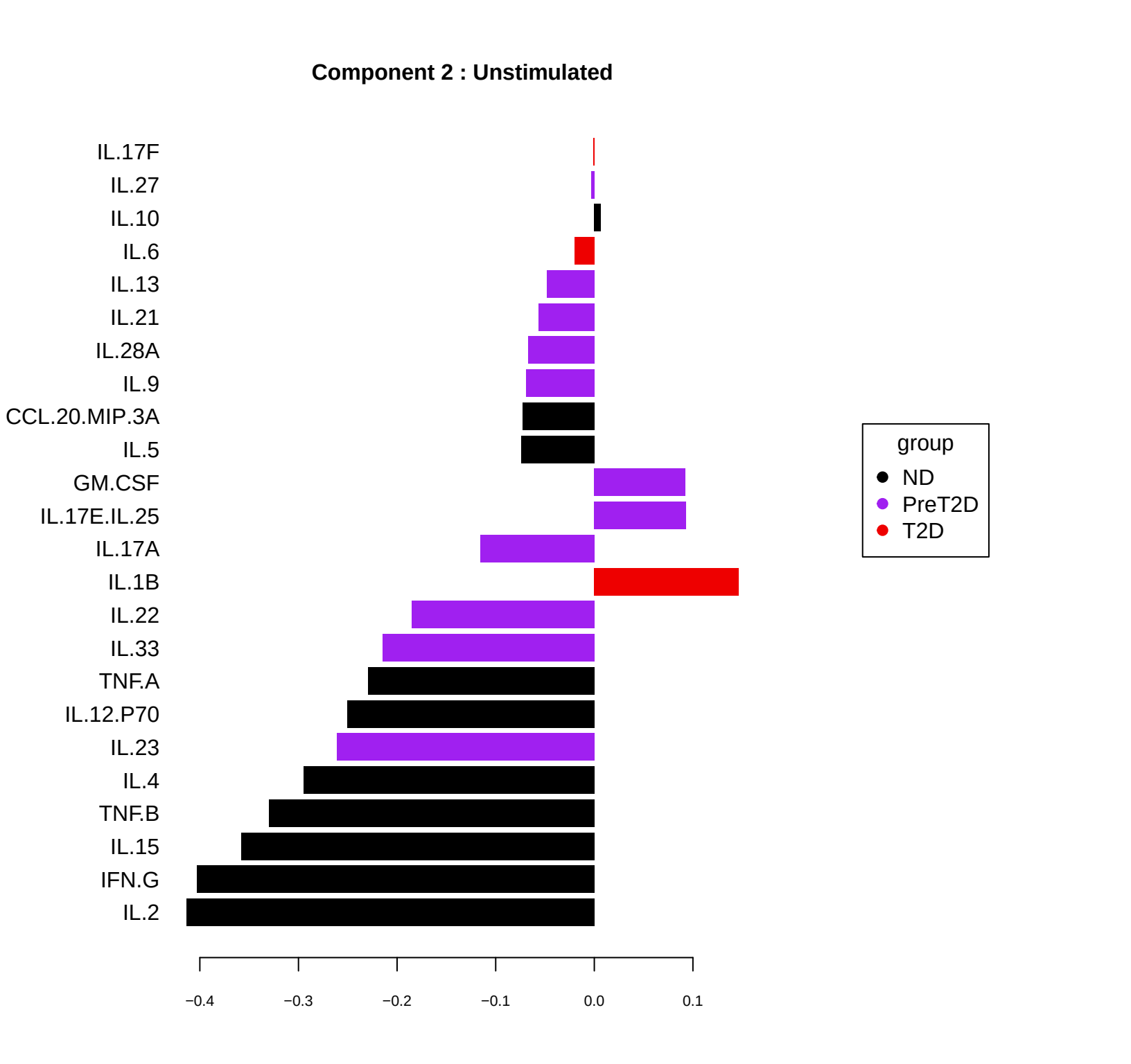

LOOCV Error Rate (VIP>1): LPS
0.5550
0.5525
0.5500
0.5475
0.5450
Error Rate
comp1
comp2
Number of Components
Distance
max.dist

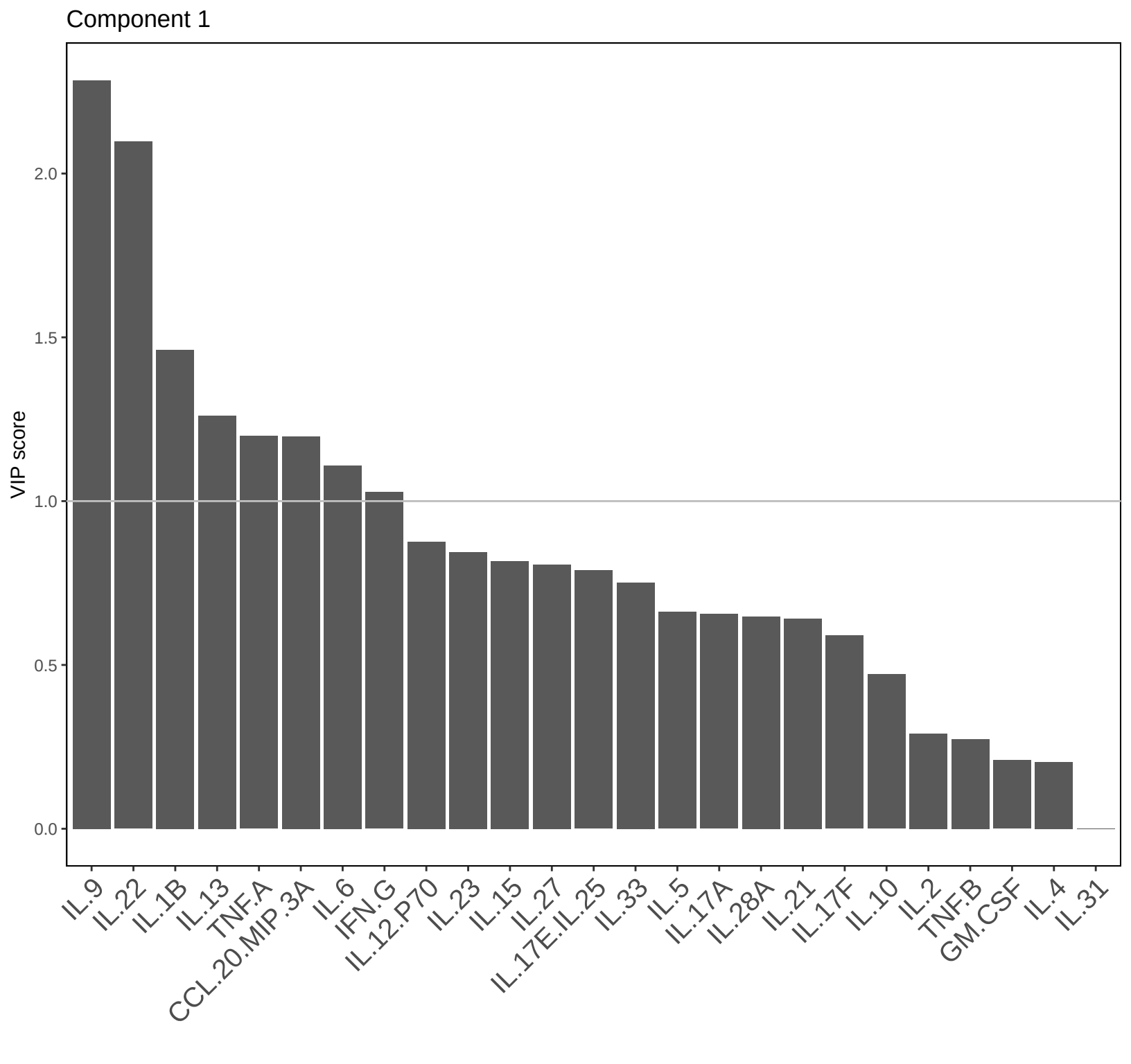

Unstimulated With Accuracy: 52 %
2.5
0.0
−2.5
−5.0
X−variate 2: 27% expl. var
−2
0
2
X−variate 1: 18% expl. var
group
ND
PreT2D
T2D

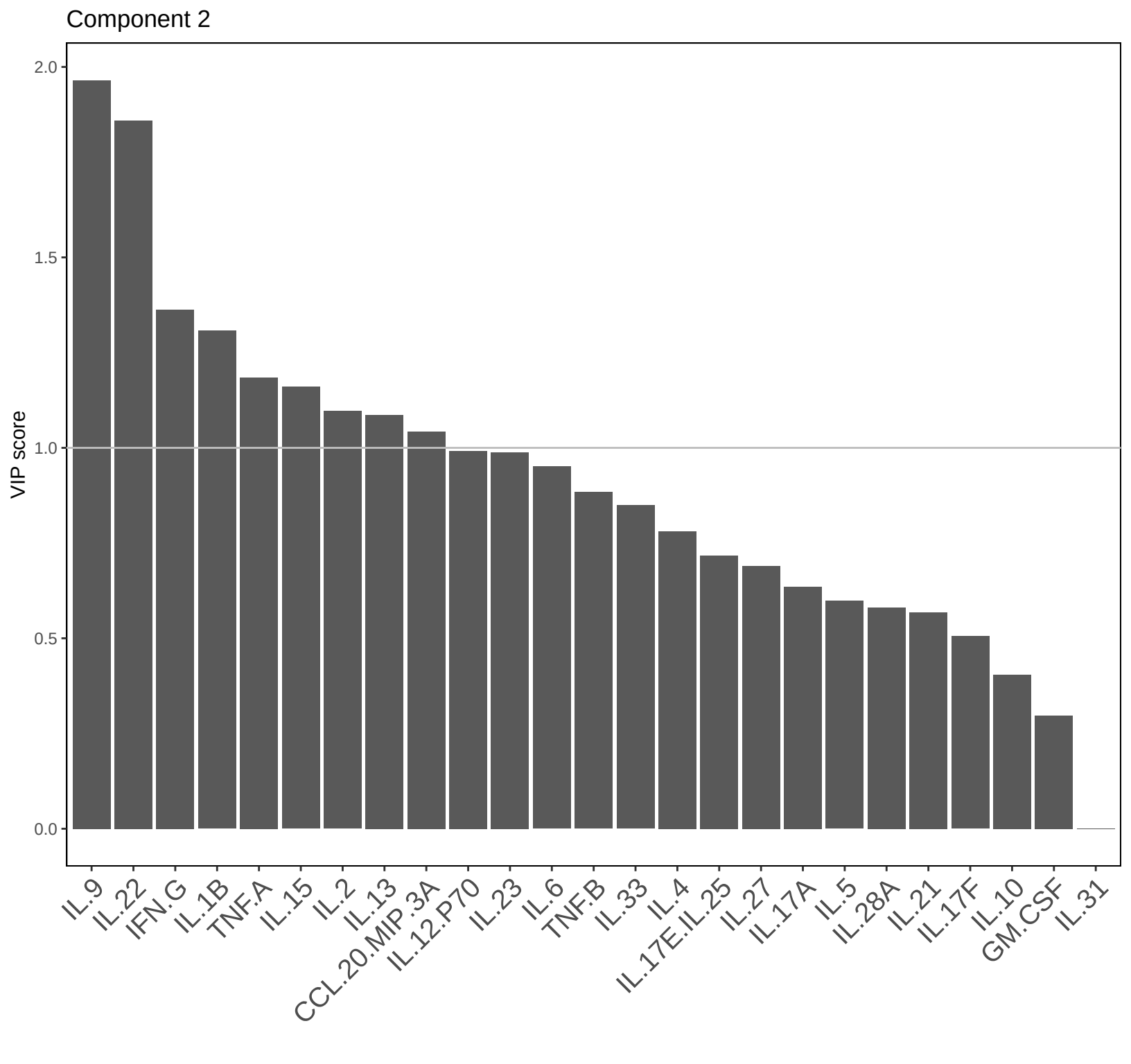

ROC Curve Using Comp(s): 1, 2
Sensitivity (%)
100 − Specificity (%)
0
10
20
30
40
50
60
70
80
90
100
Outcome
ND vs Other(s): 0.6947
PreT2D vs Other(s): 0.8003
T2D vs Other(s): 0.714

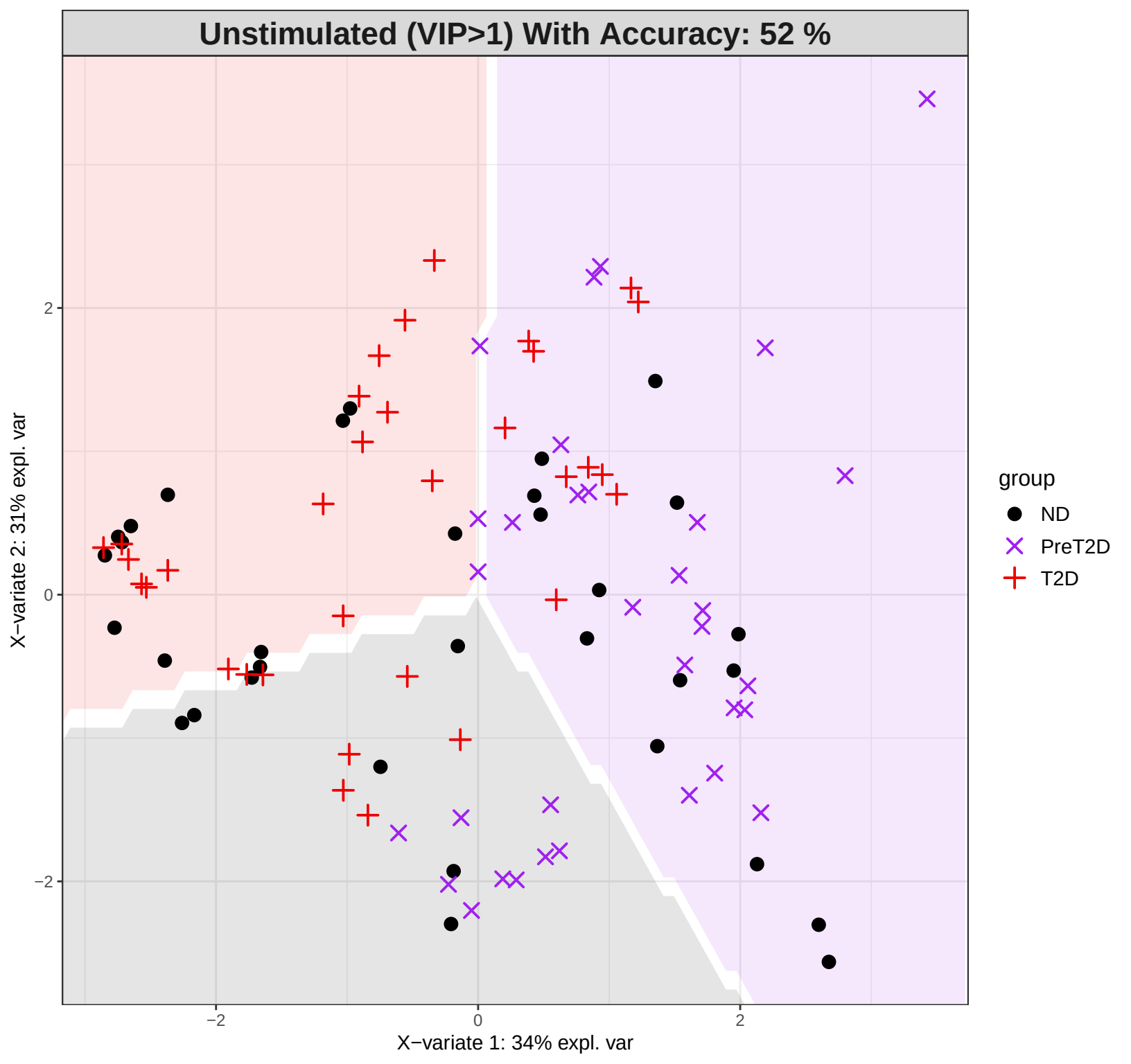

LOOCV Error Rate: Unstimulated
0.65
0.64
0.63
Error Rate
comp1
comp2
Number of Components
Distance
max.dist

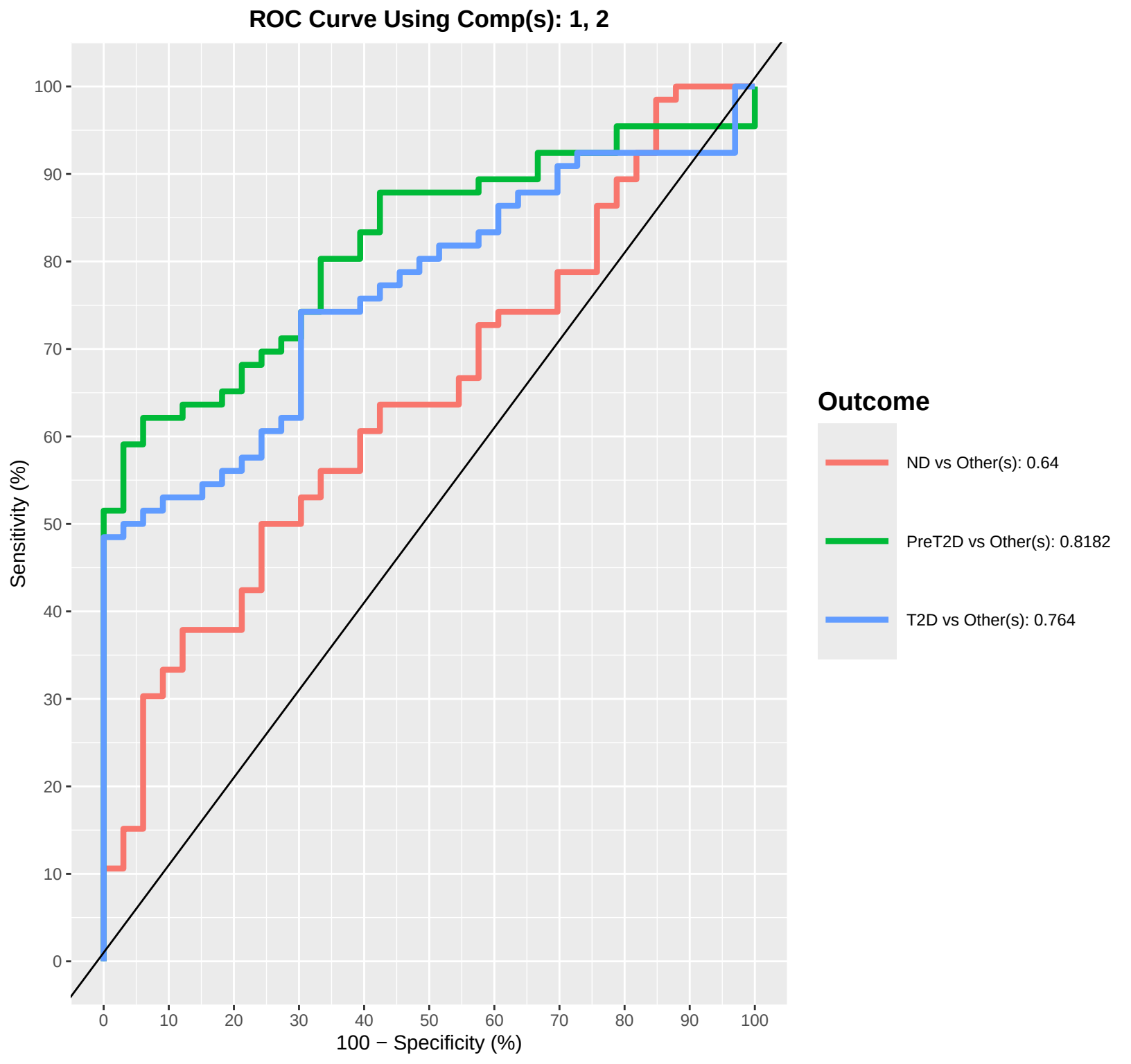

Component 1 : Unstimulated
IL.4
GM.CSF
TNF.B
IL.2
IL.10
IL.17F
IL.21
IL.28A
IL.17A
IL.5
IL.33
IL.17E.IL.25
IL.27
IL.15
IL.23
IL.12.P70
IFN.G
IL.6
CCL.20.MIP.3A
TNF.A
IL.13
IL.1B
IL.22
IL.9
−0.2
−0.1
0.0
0.1
0.2
0.3
0.4
group
ND
PreT2D
T2D

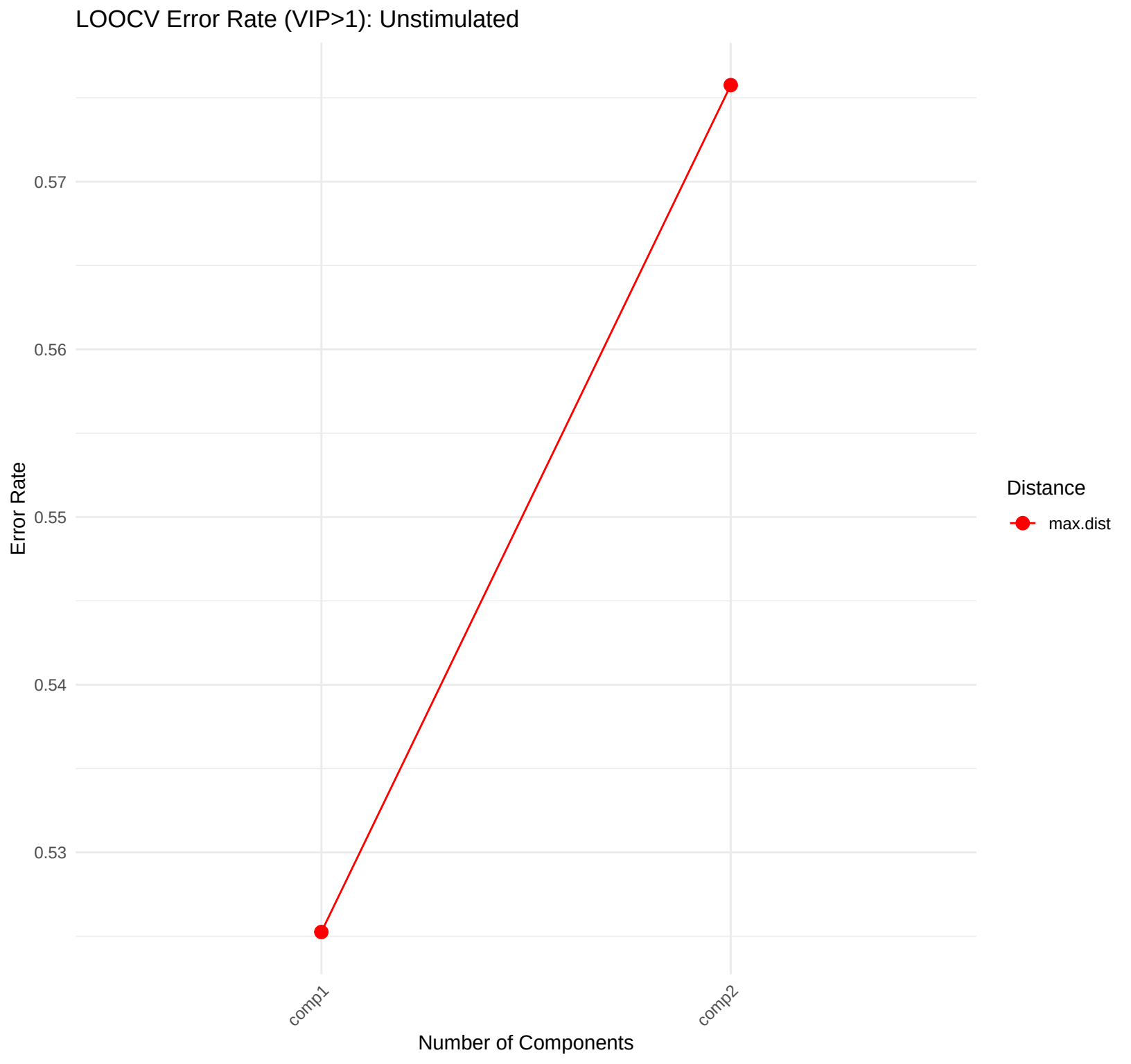

Component 2 : Unstimulated
IL.17F
IL.27
IL.10
IL.6
IL.13
IL.21
IL.28A
IL.9
CCL.20.MIP.3A
IL.5
GM.CSF
IL.17E.IL.25
IL.17A
IL.1B
IL.22
IL.33
TNF.A
IL.12.P70
IL.23
IL.4
TNF.B
IL.15
IFN.G
IL.2
−0.4
−0.3
−0.2
−0.1
0.0
0.1
group
ND
PreT2D
T2D


Component 1
VIP score
2.0
1.5
1.0
0.5
0.0
IL.9
IL.22
IL.1B
IL.13
TNF.A
CCL.20.MIP.3A
IL.6
IFN.G
IL.12.P70
IL.23
IL.15
IL.27
IL.17E.IL.25
IL.33
IL.5
IL.17A
IL.28A
IL.21
IL.17F
IL.10
IL.2
TNF.B
GM.CSF
IL.4
IL.31


Component 2
VIP score
2.0
1.5
1.0
0.5
0.0
IL.9
IL.22
IFN.G
IL.1B
TNF.A
IL.15
IL.2
IL.13
CCL.20.MIP.3A
IL.12.P70
IL.23
IL.6
TNF.B
IL.33
IL.4
IL.17E.IL.25
IL.27
IL.17A
IL.5
IL.28A
IL.21
IL.17F
IL.10
GM.CSF
IL.31


Unstimulated (VIP>1) With Accuracy: 52 %
X−variate 2: 31% expl. var
X−variate 1: 34% expl. var
2
0
−2
−2
0
2
group
ND
PreT2D
T2D


ROC Curve Using Comp(s): 1, 2
Sensitivity (%)
100 − Specificity (%)
0
10
20
30
40
50
60
70
80
90
100
Outcome
ND vs Other(s): 0.64
PreT2D vs Other(s): 0.8182
T2D vs Other(s): 0.764


LOOCV Error Rate (VIP>1): Unstimulated
Error Rate
0.57
0.56
0.55
0.54
0.53
comp1
comp2
Number of Components
Distance
max.dist