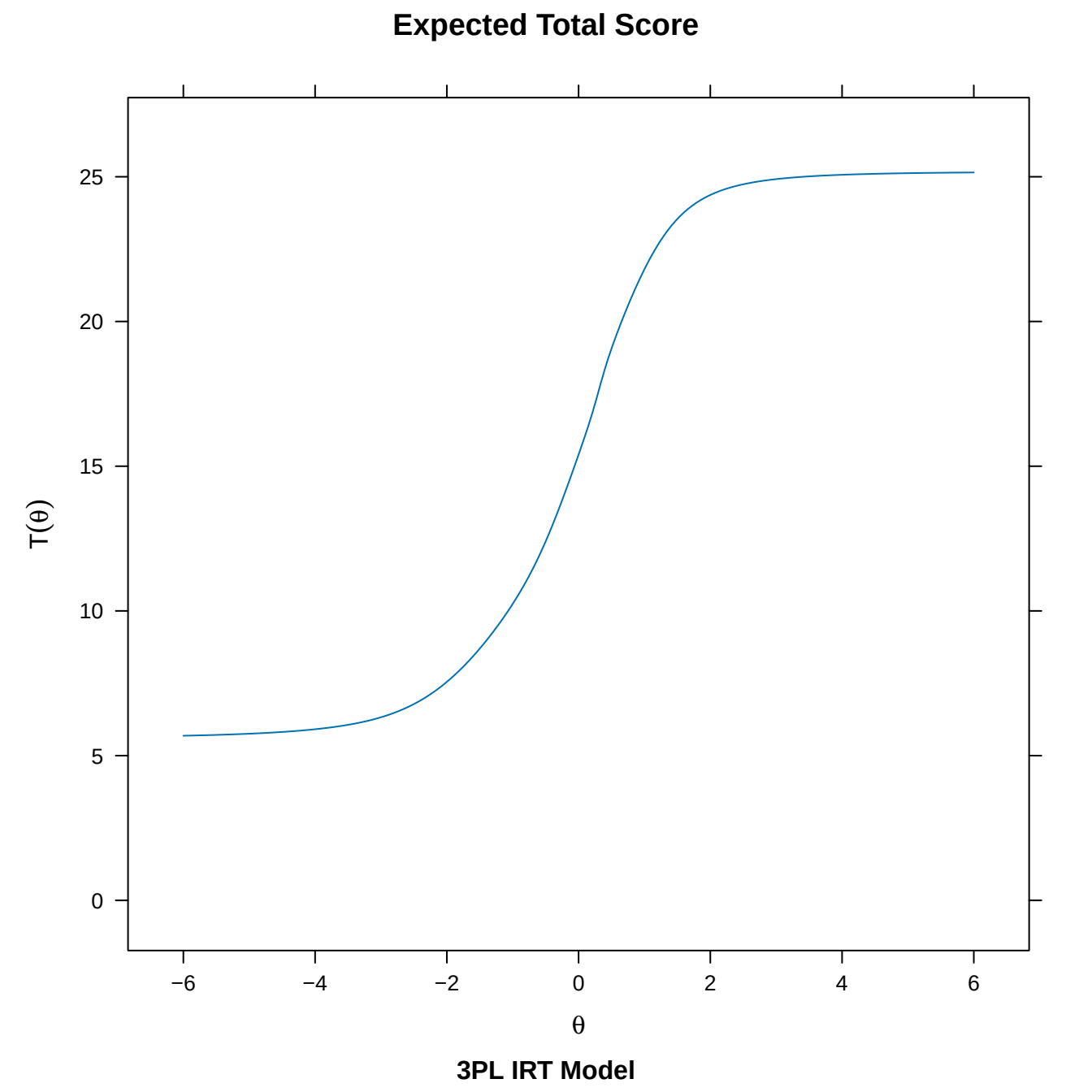
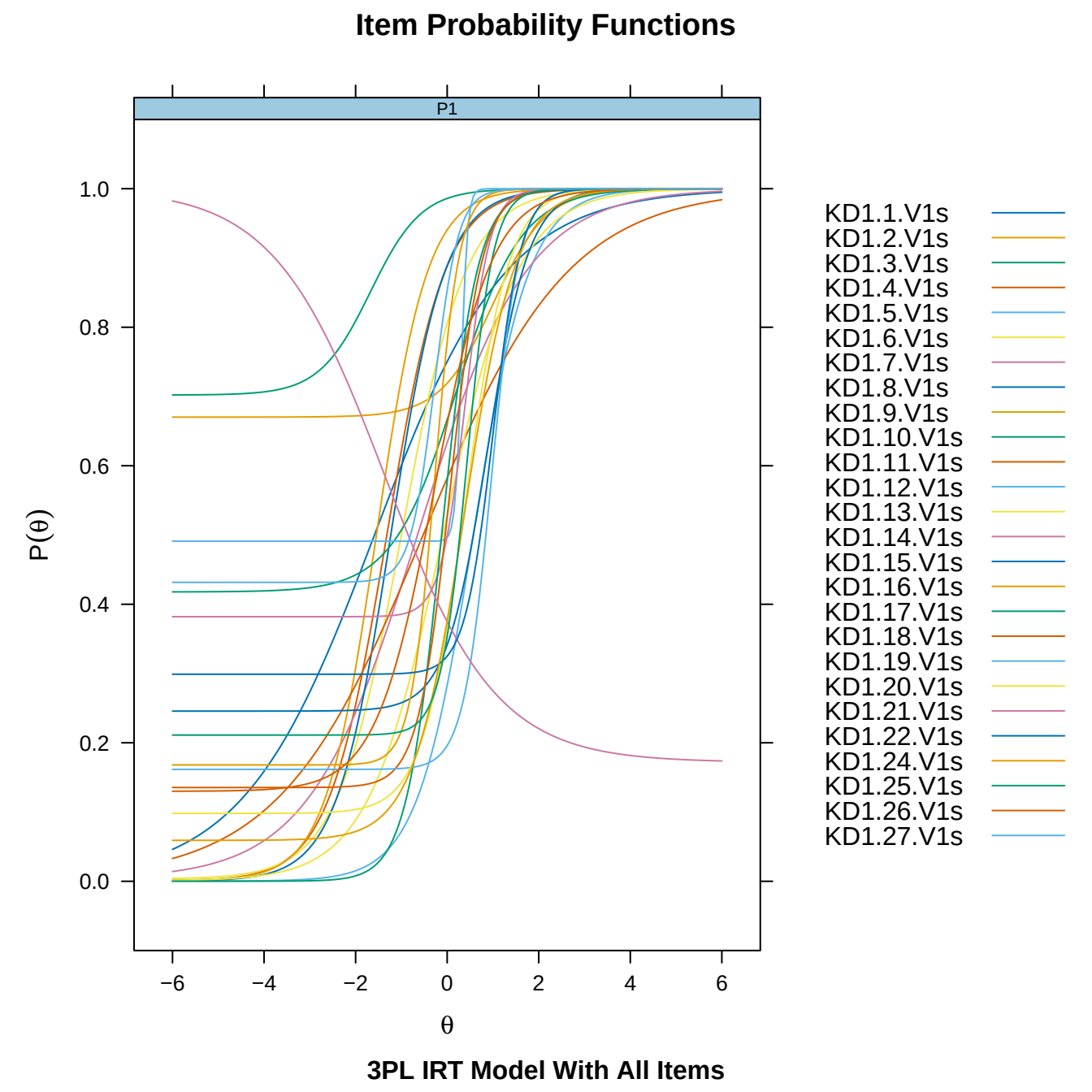
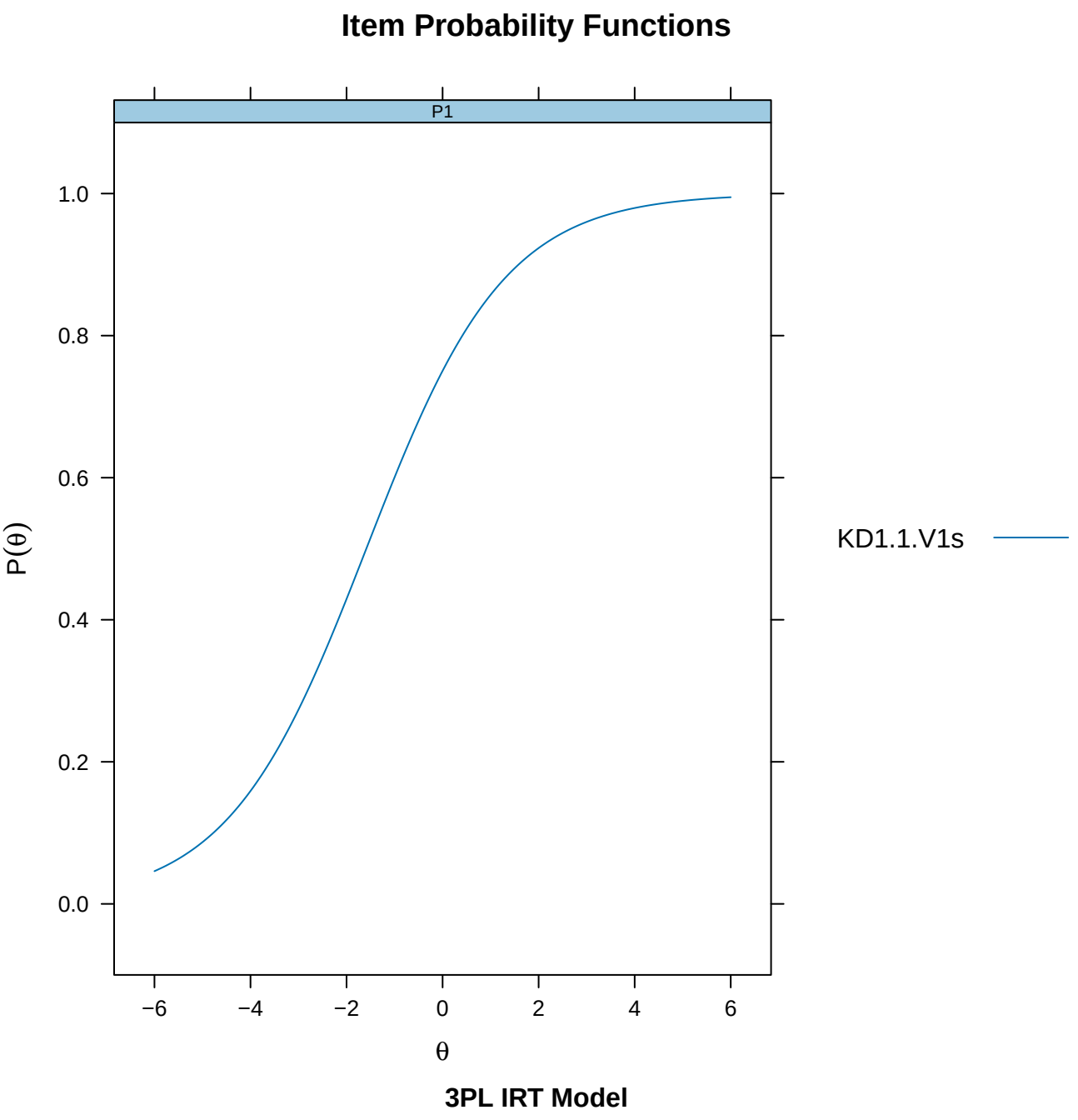
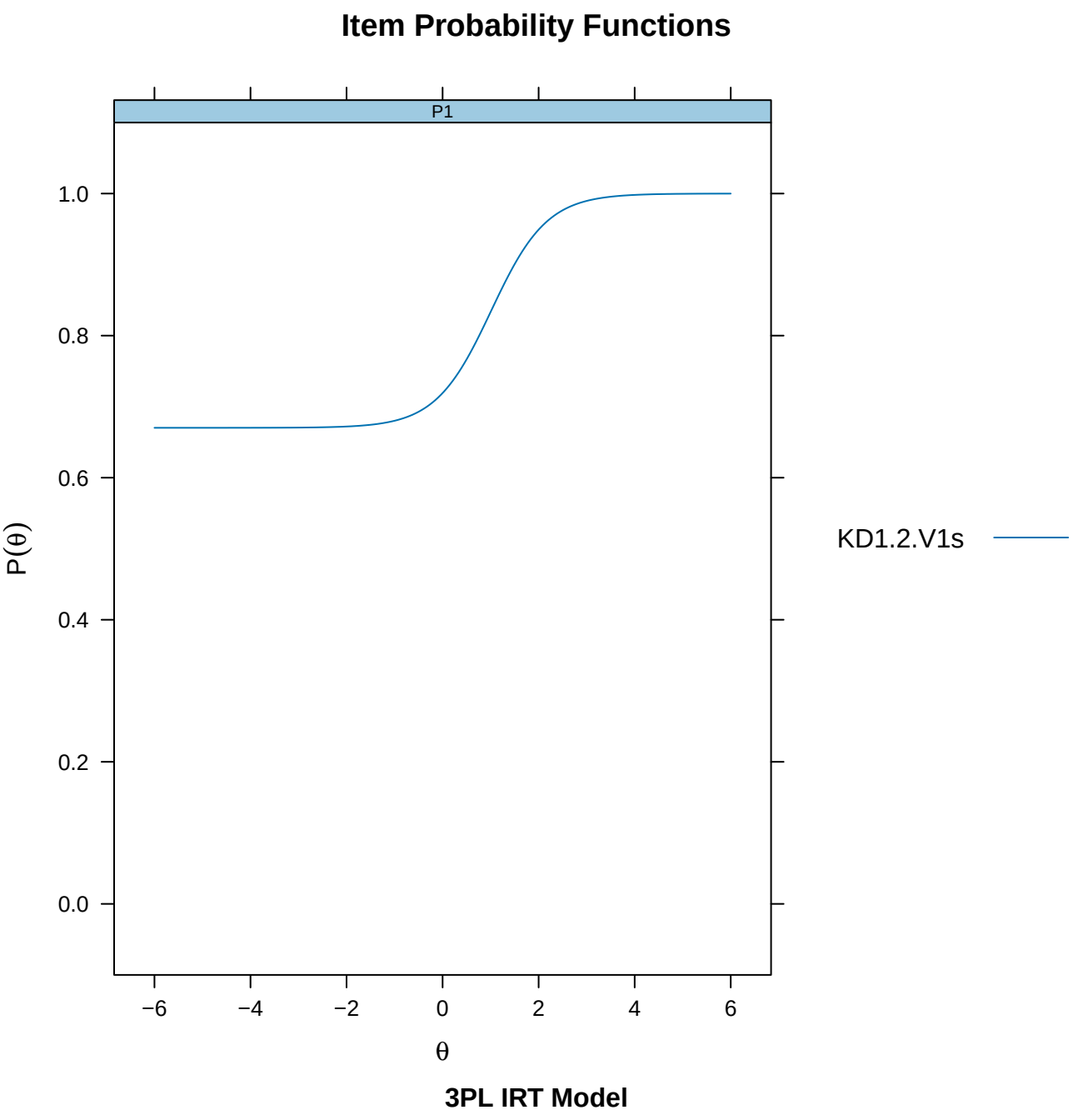
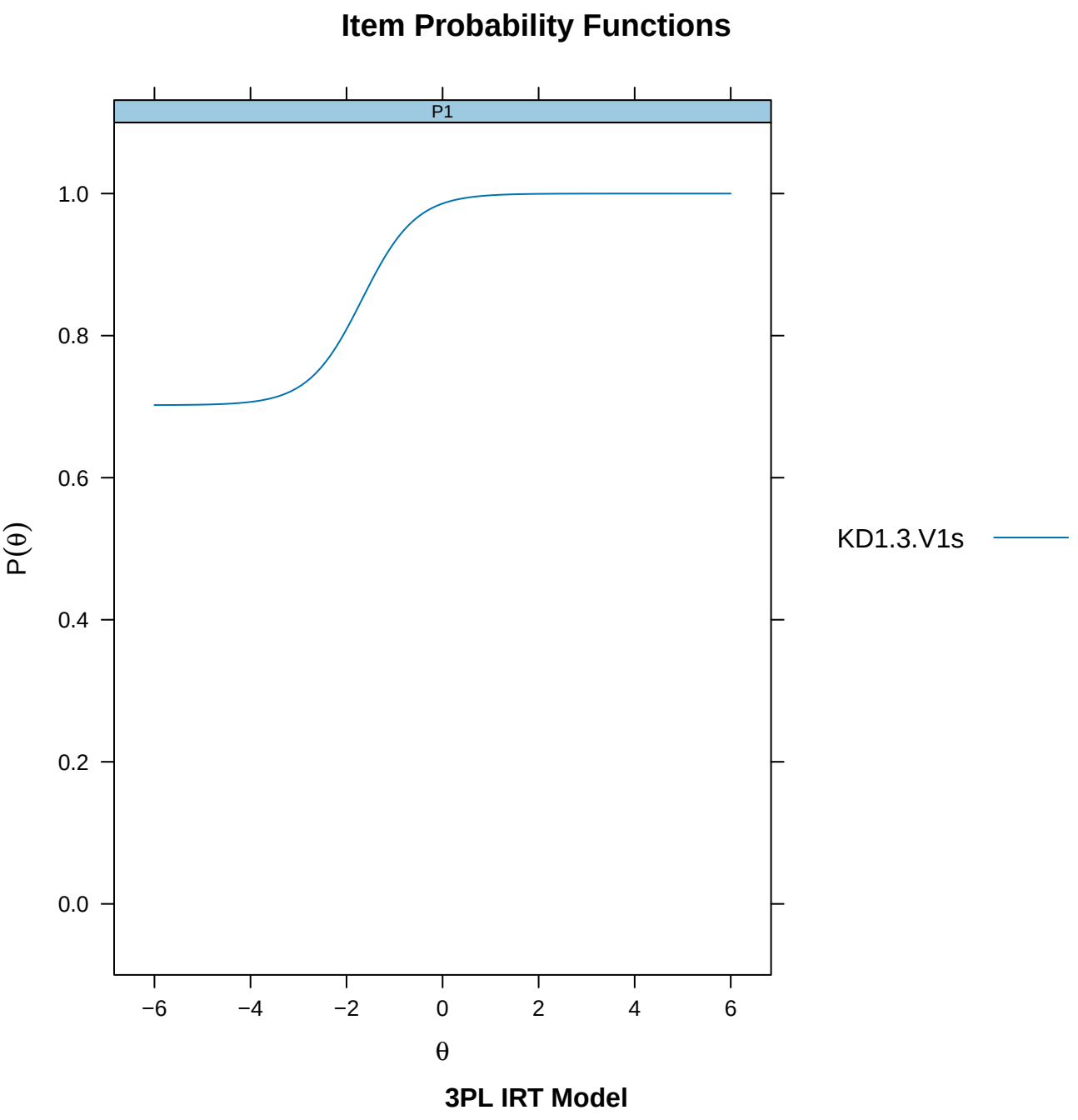
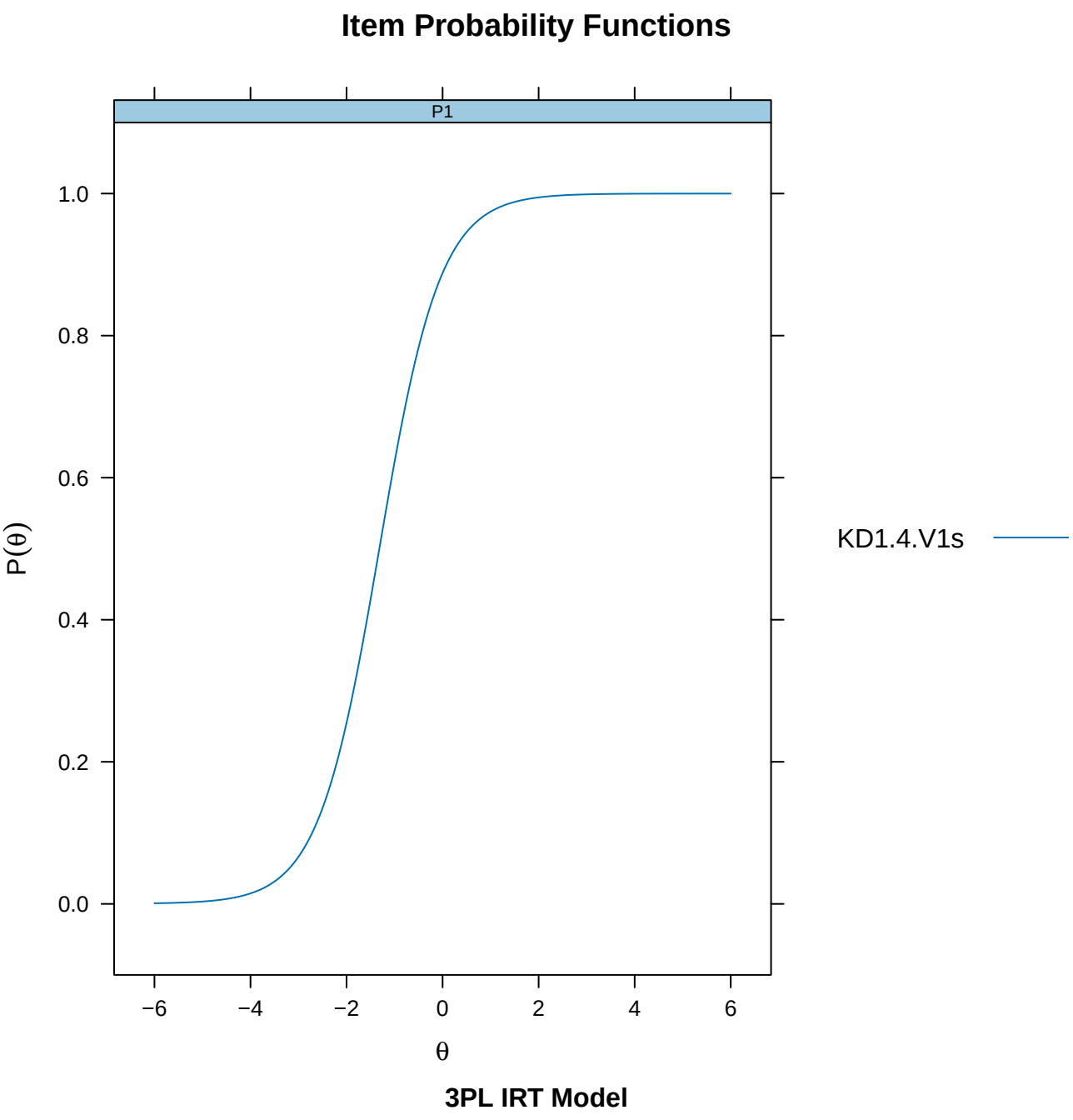

Expected Total Score
25
20
15
10
5
0
T(θ)
−6
−4
−2
0
2
4
6
θ
3PL IRT Model

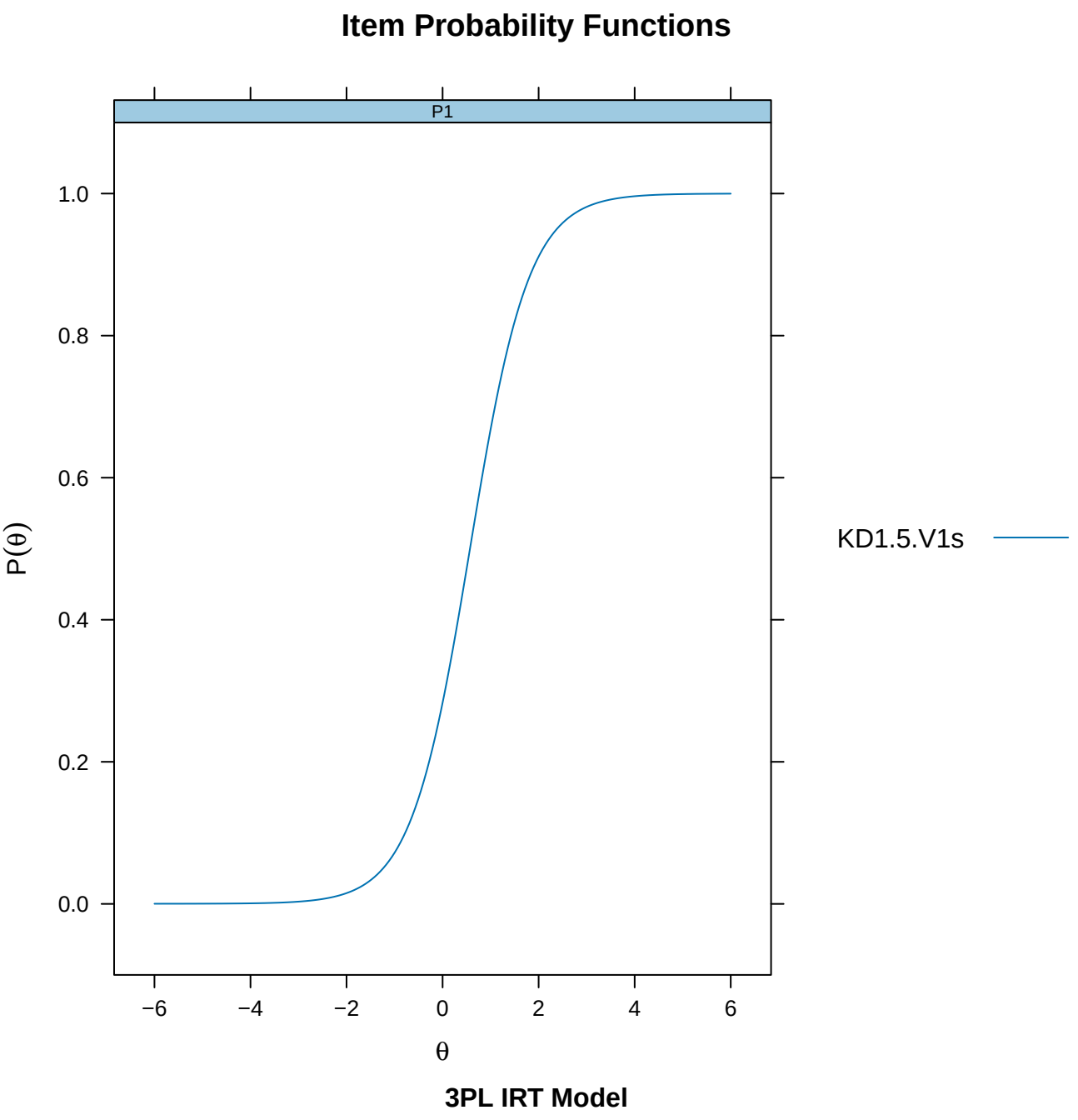

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.1.V1s
KD1.2.V1s
KD1.3.V1s
KD1.4.V1s
KD1.5.V1s
KD1.6.V1s
KD1.7.V1s
KD1.8.V1s
KD1.9.V1s
KD1.10.V1s
KD1.11.V1s
KD1.12.V1s
KD1.13.V1s
KD1.14.V1s
KD1.15.V1s
KD1.16.V1s
KD1.17.V1s
KD1.18.V1s
KD1.19.V1s
KD1.20.V1s
KD1.21.V1s
KD1.22.V1s
KD1.24.V1s
KD1.25.V1s
KD1.26.V1s
KD1.27.V1s
3PL IRT Model With All Items

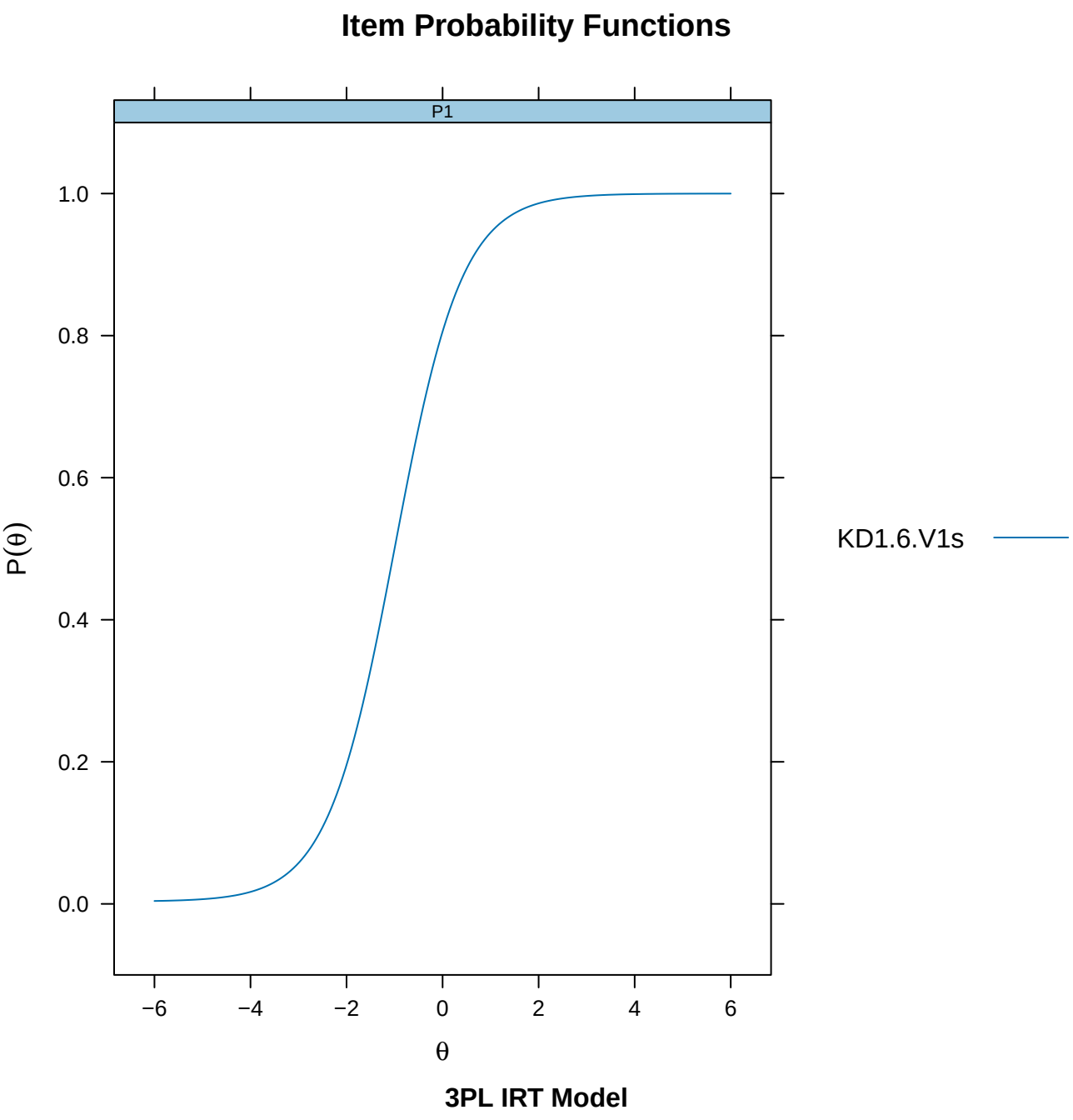

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.1.V1s
3PL IRT Model

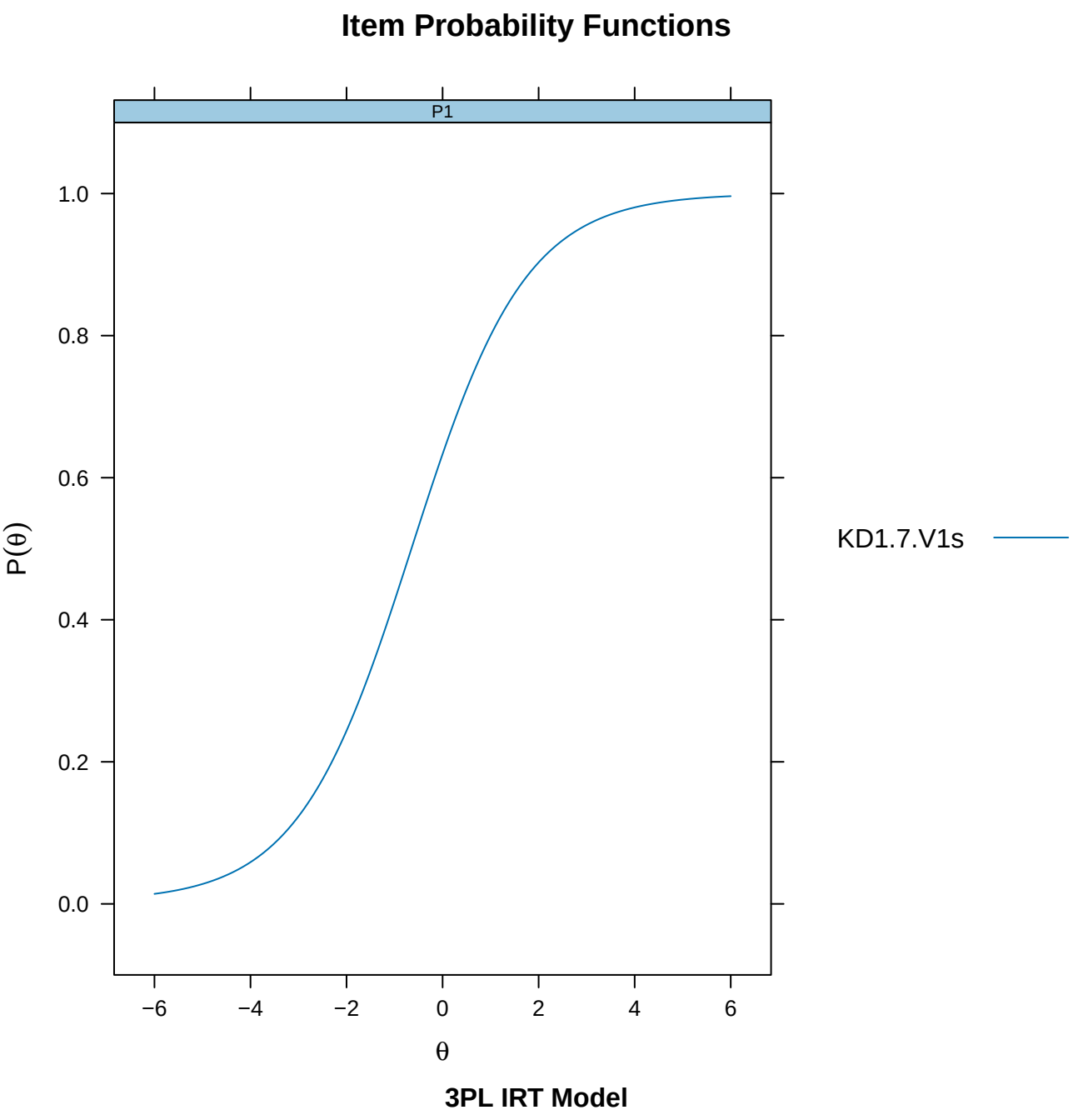

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.2.V1s
3PL IRT Model

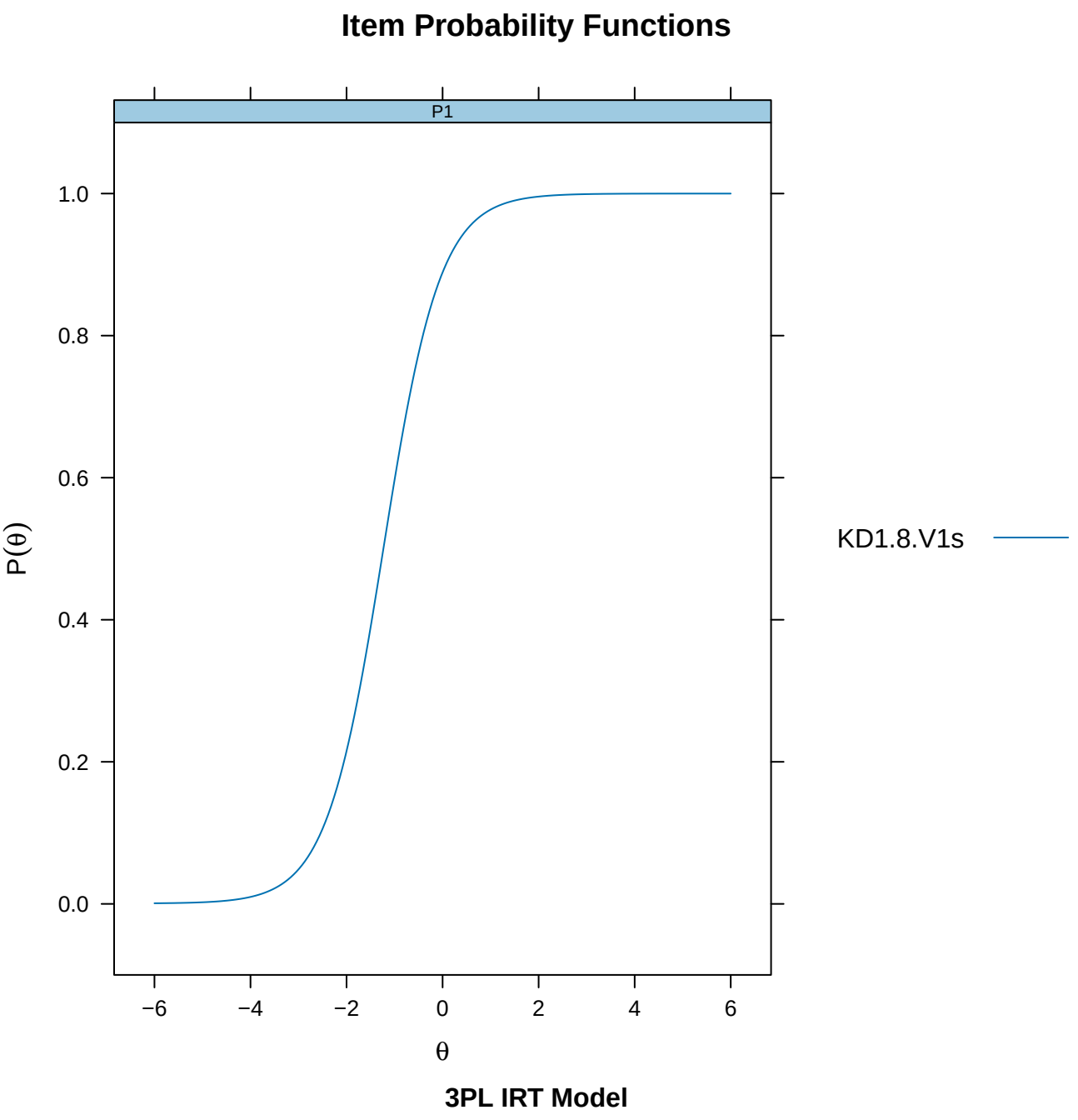

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.3.V1s
3PL IRT Model

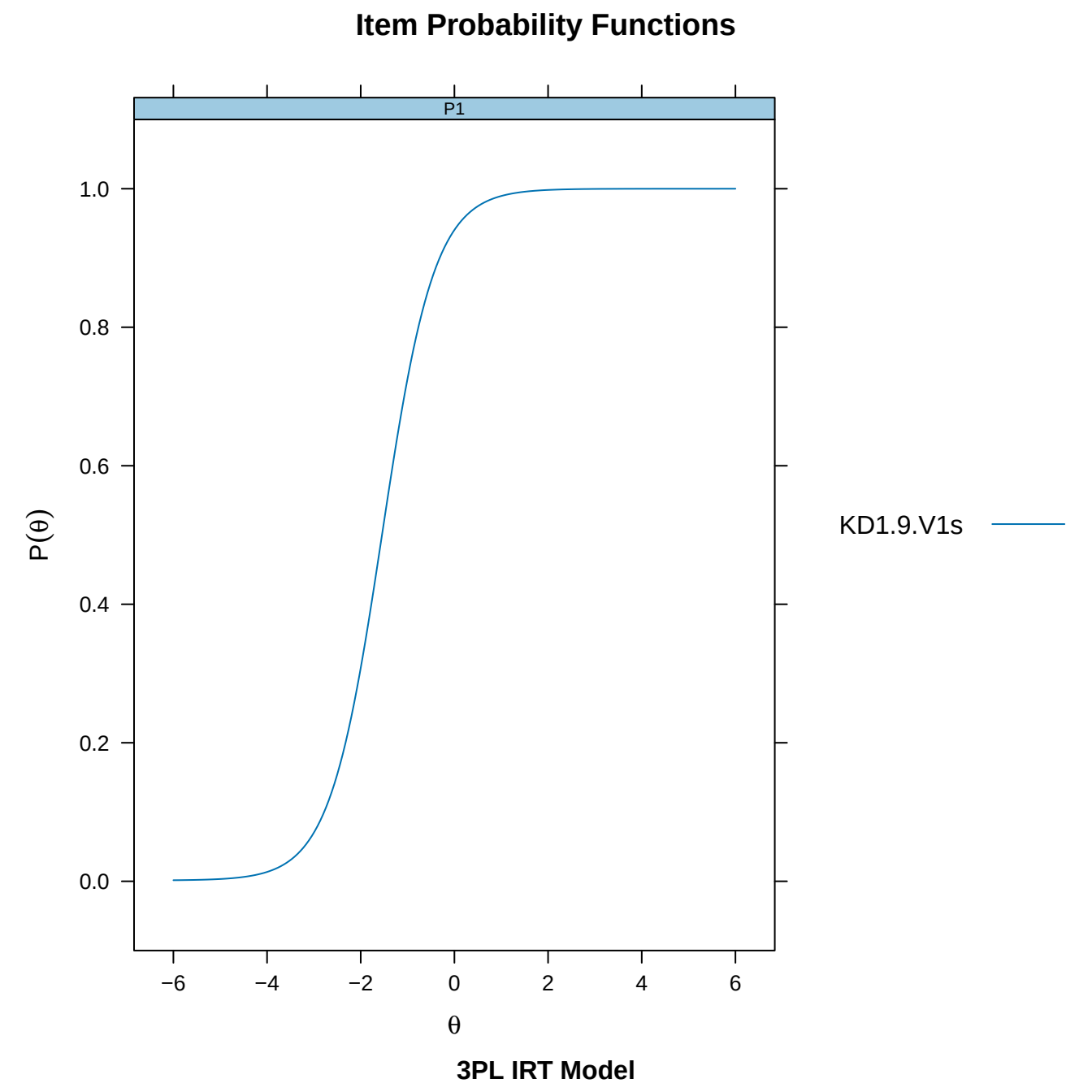

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.4.V1s
3PL IRT Model

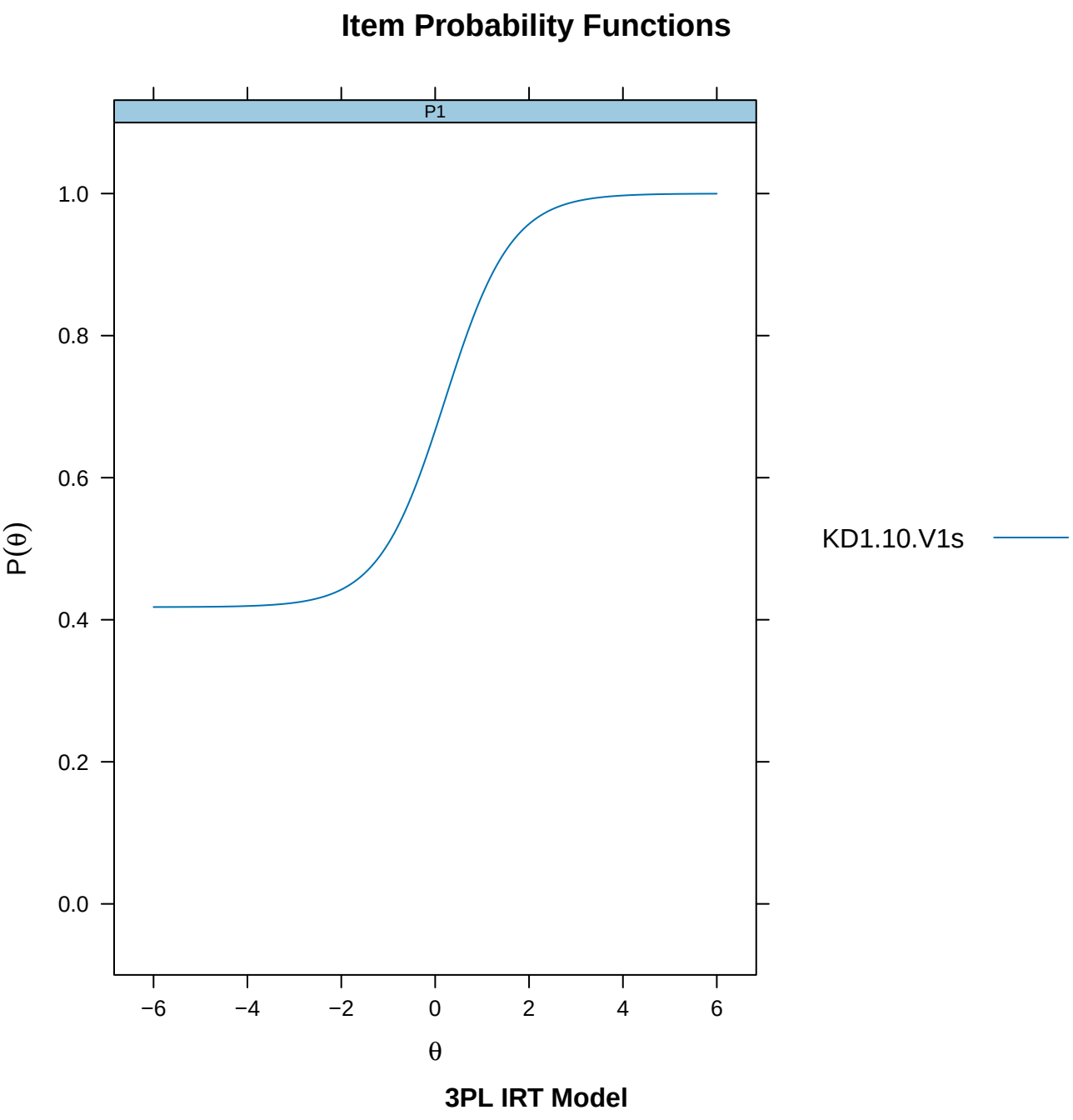

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.5.V1s
3PL IRT Model

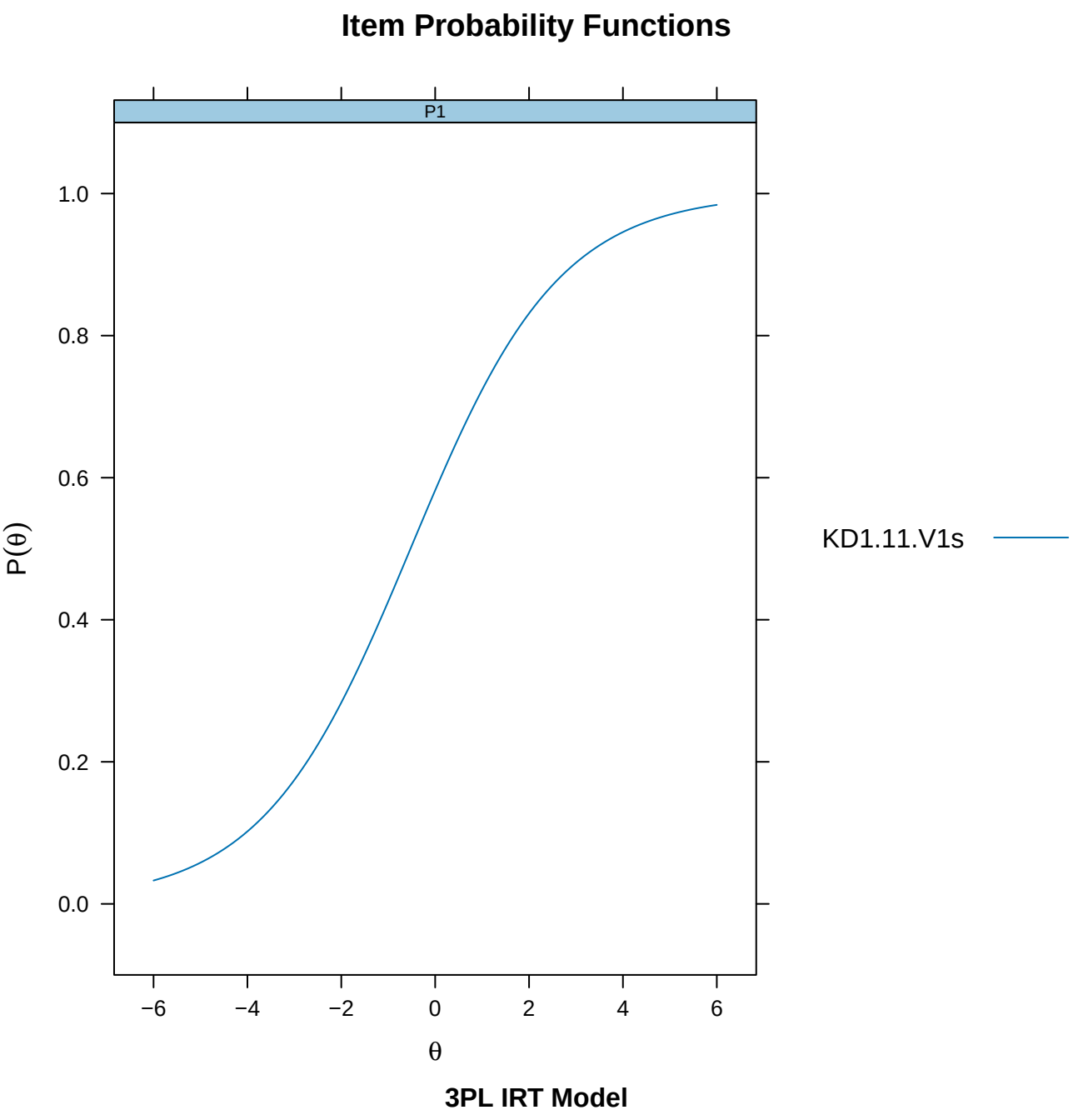

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.6.V1s
3PL IRT Model

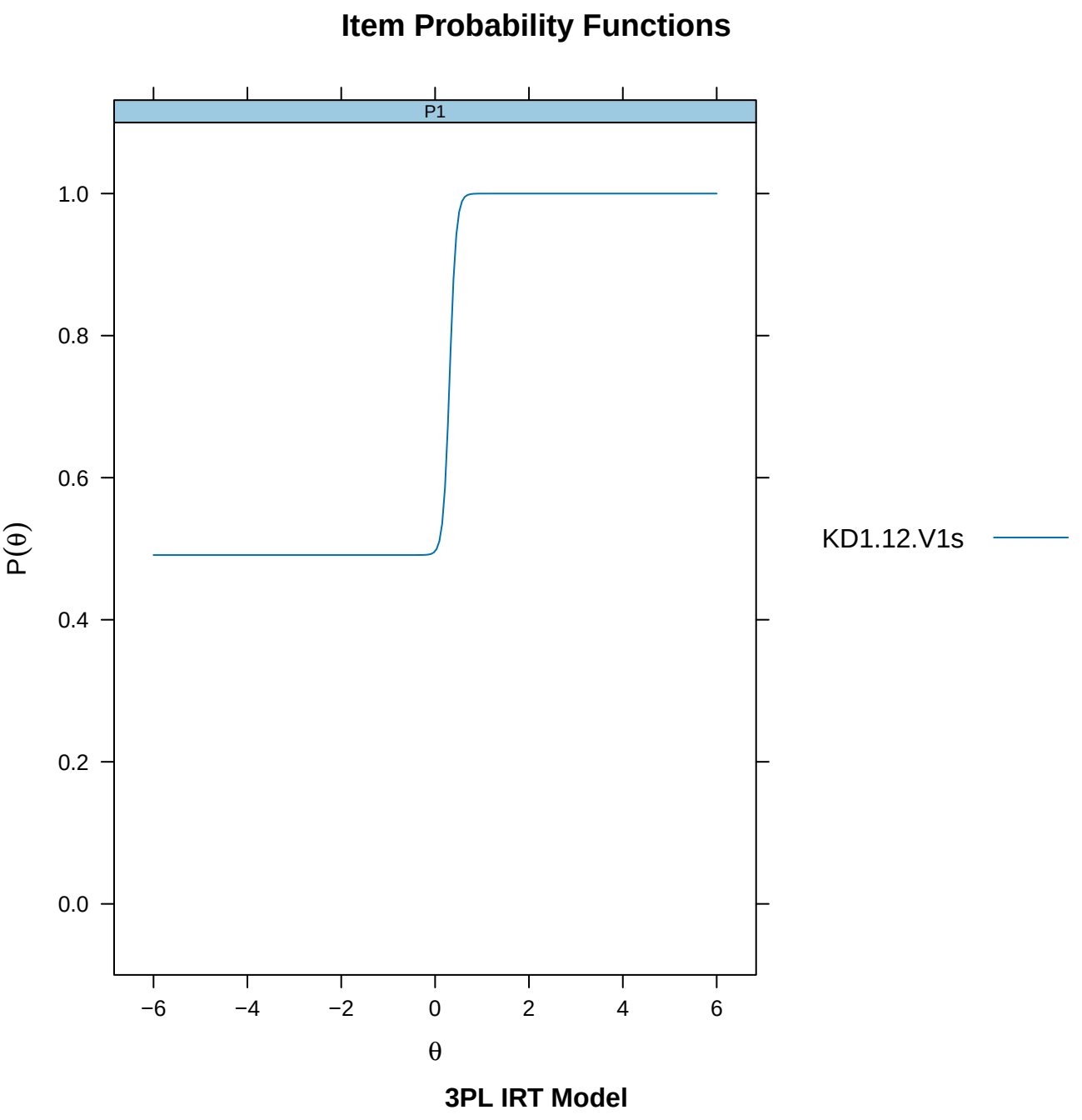

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.7.V1s
3PL IRT Model

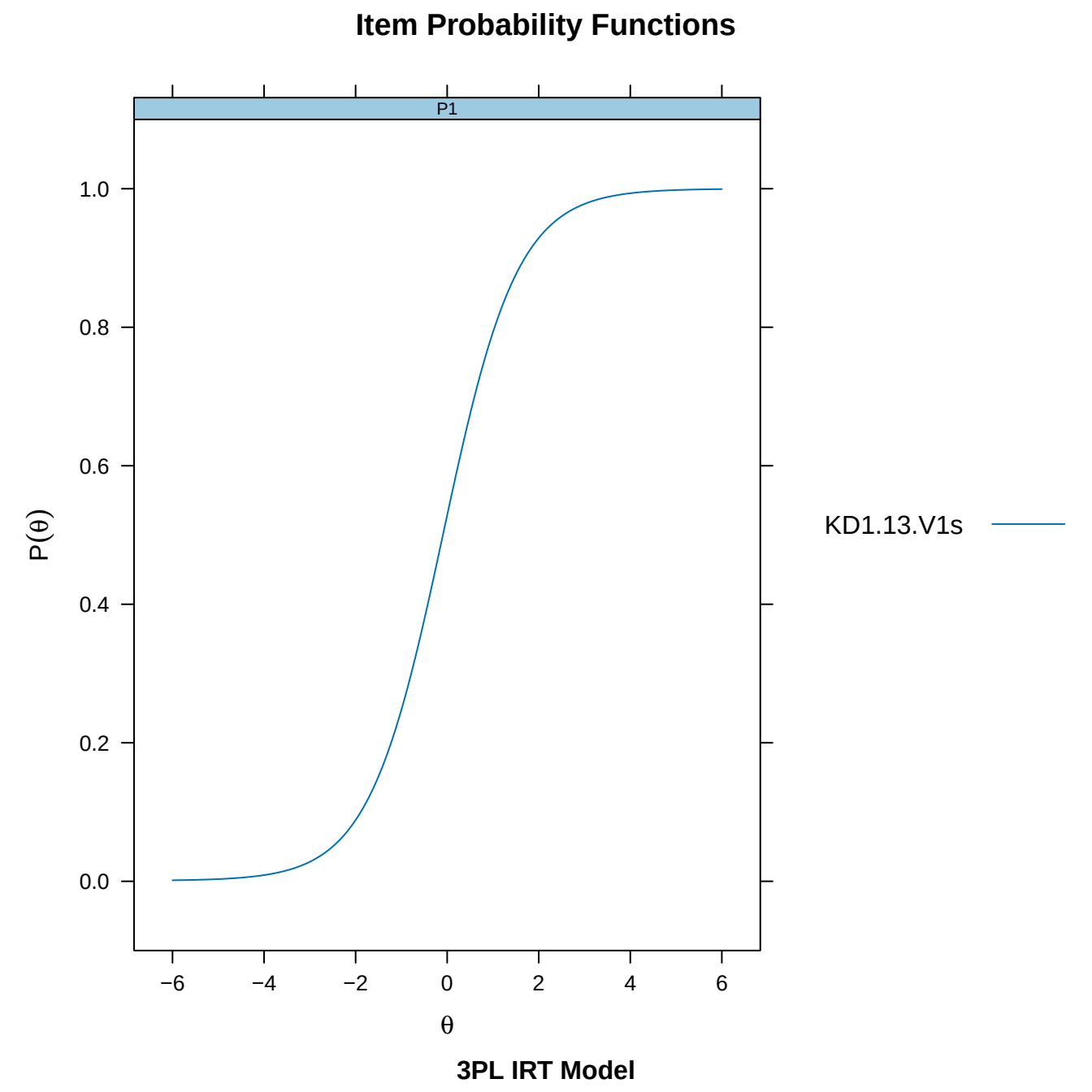

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.8.V1s
3PL IRT Model

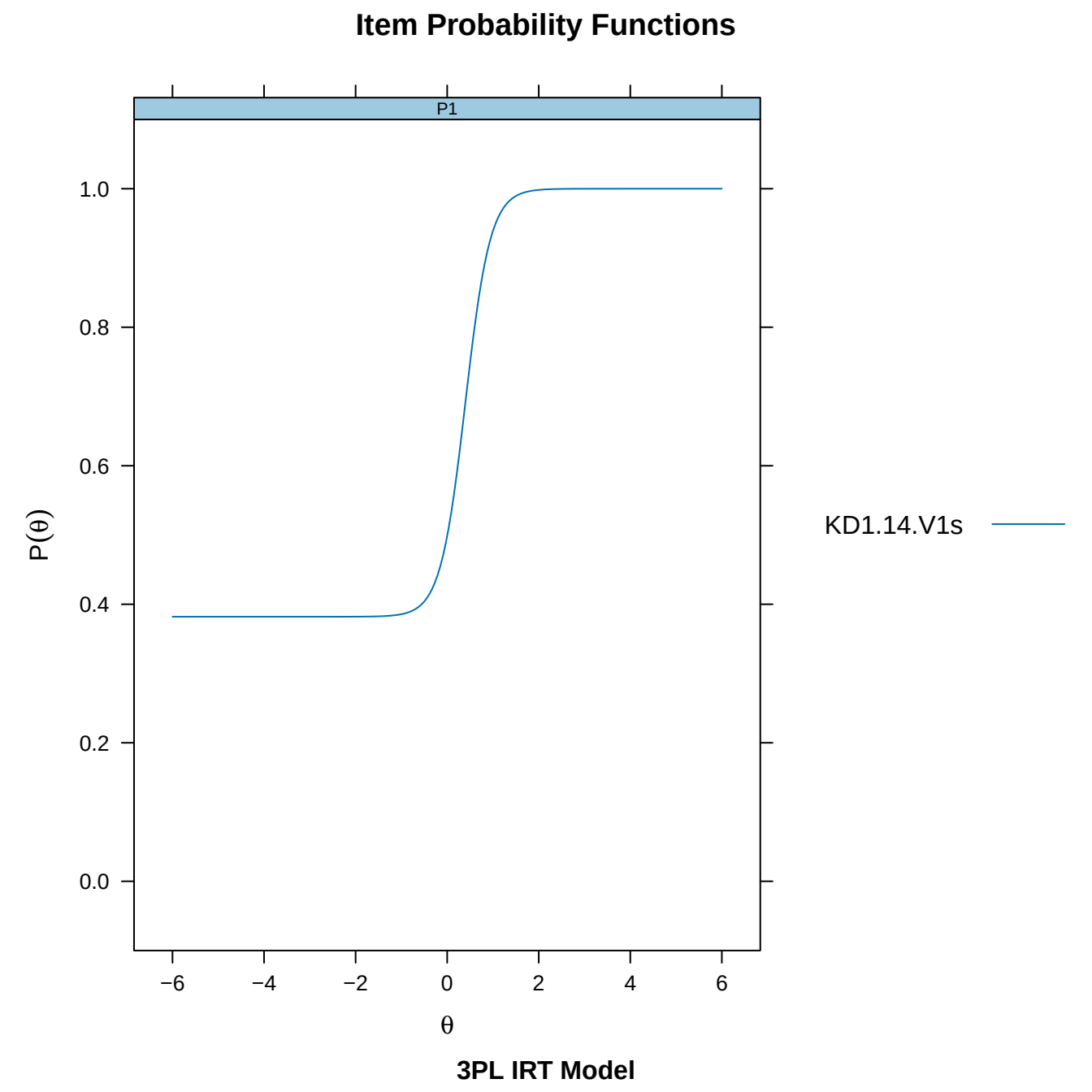

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.9.V1s
3PL IRT Model

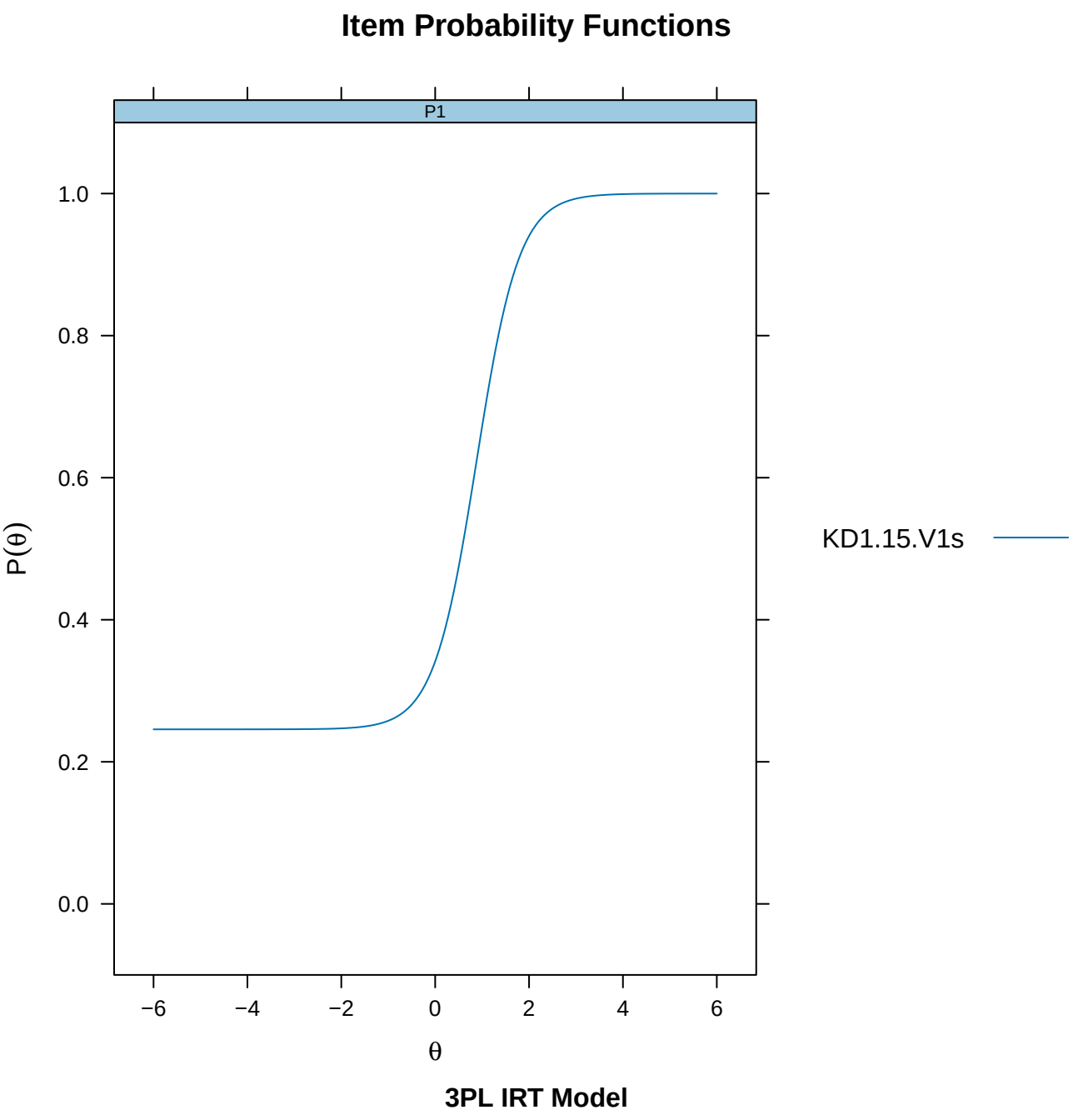

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.10.V1s
3PL IRT Model

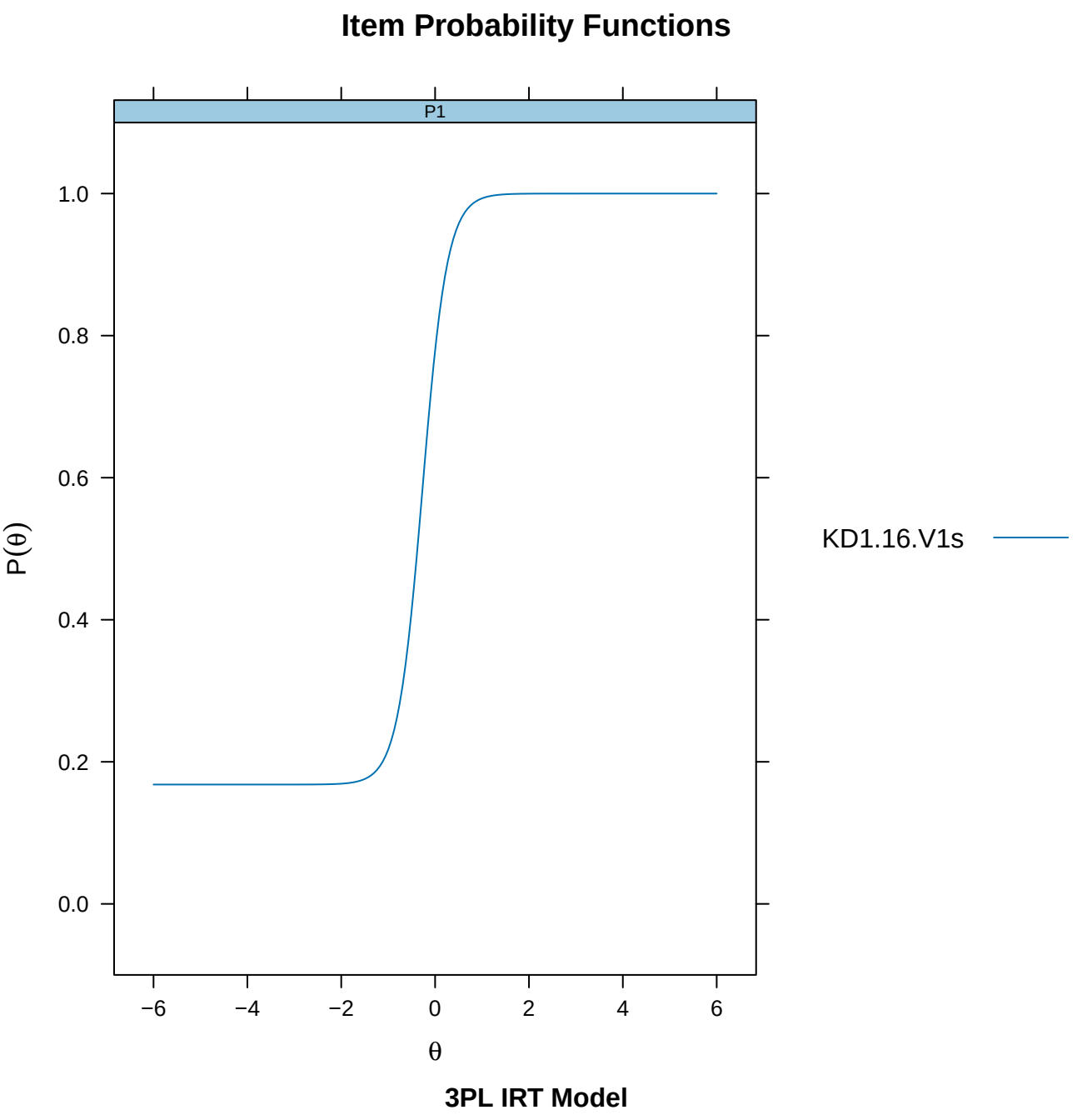

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.11.V1s
3PL IRT Model

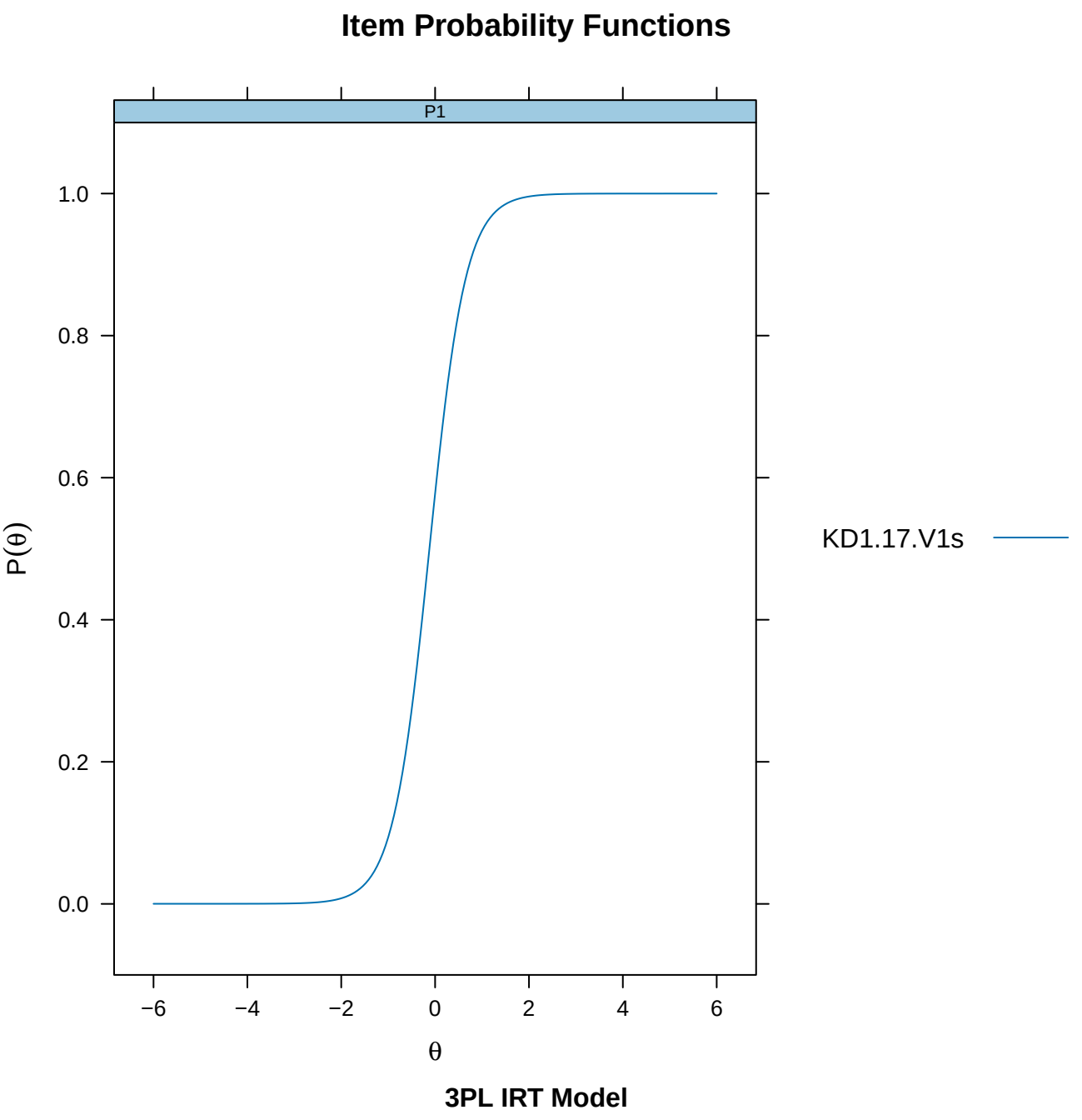

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.12.V1s
3PL IRT Model

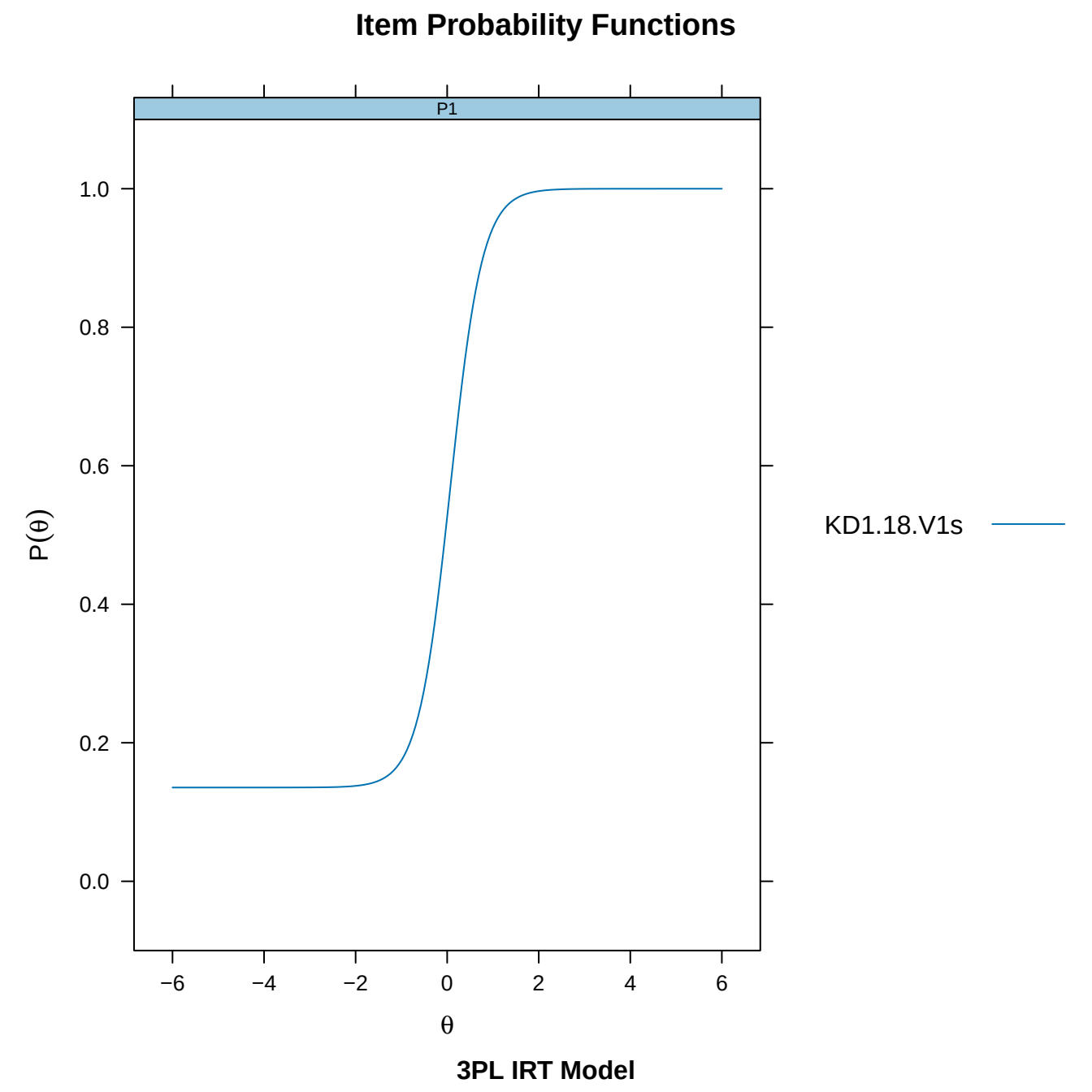

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.13.V1s
3PL IRT Model

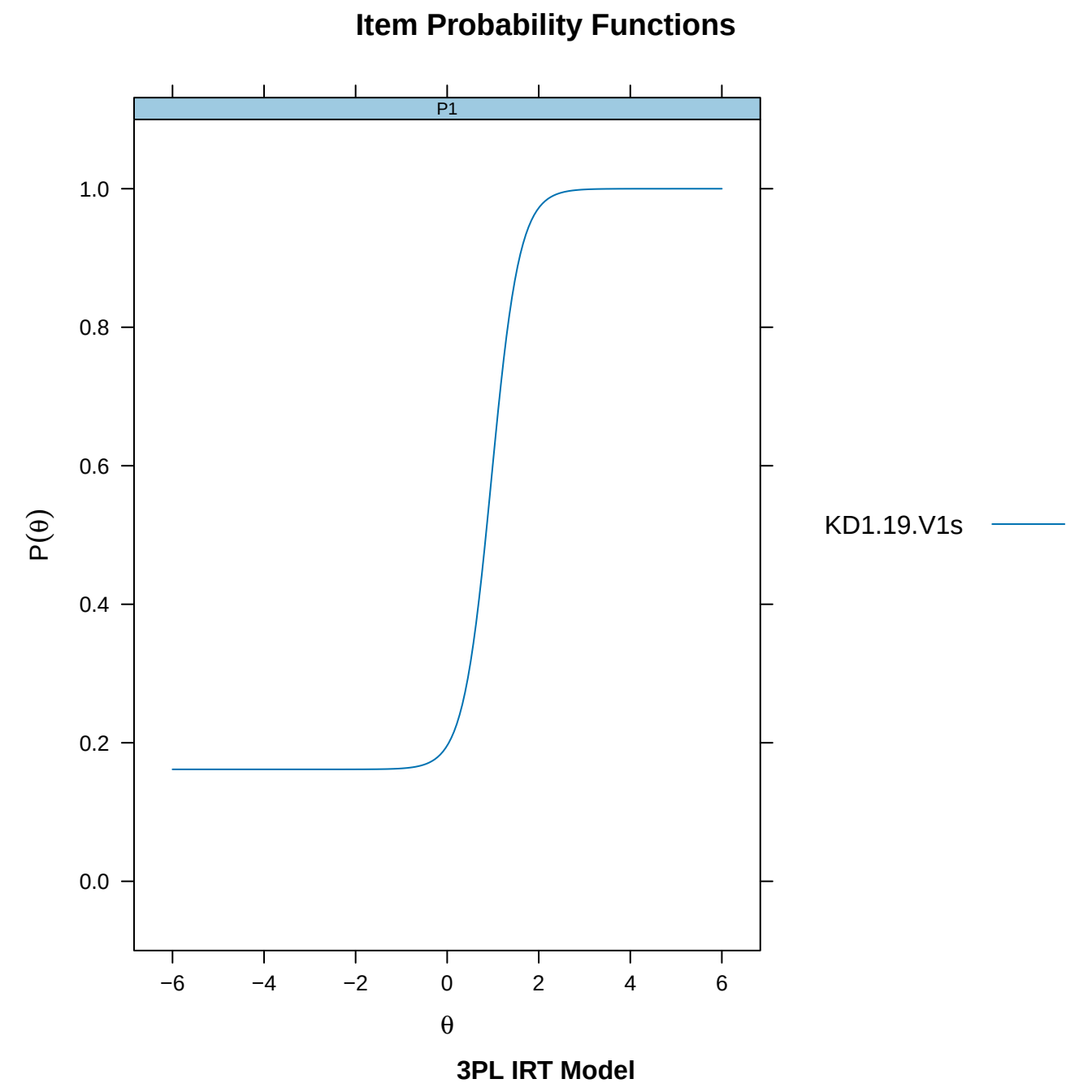

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.14.V1s
3PL IRT Model

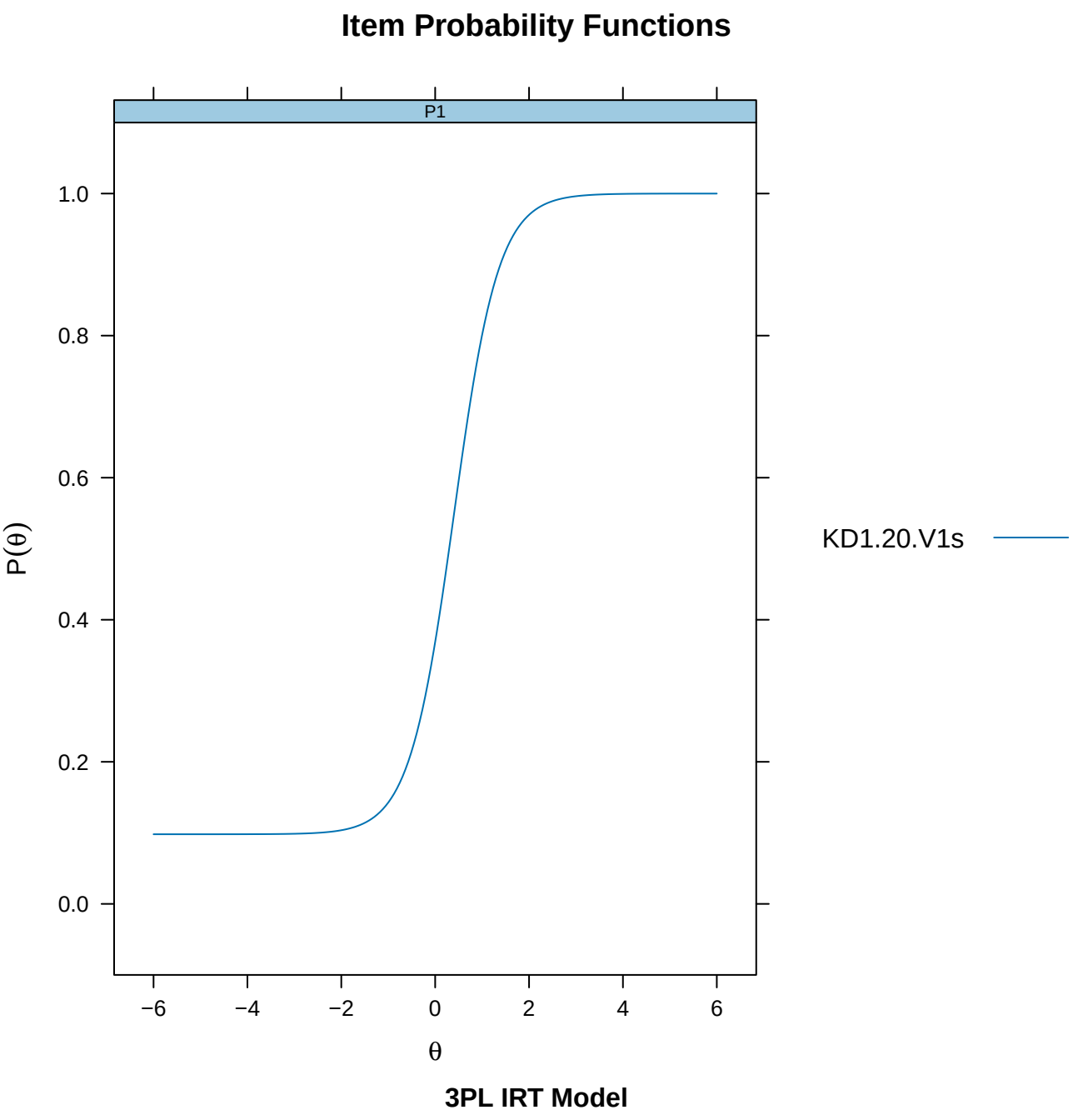

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.15.V1s
3PL IRT Model

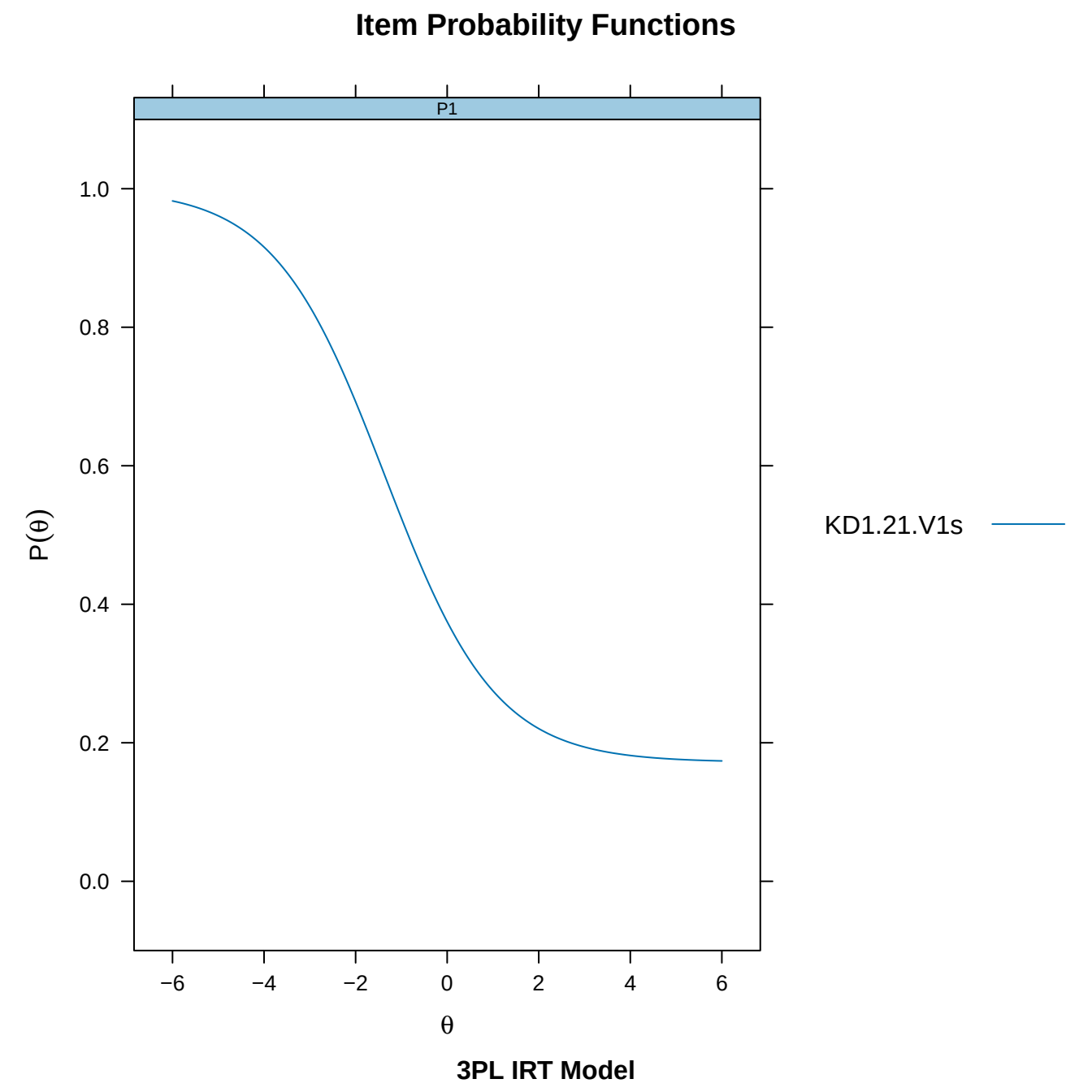

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.16.V1s
3PL IRT Model

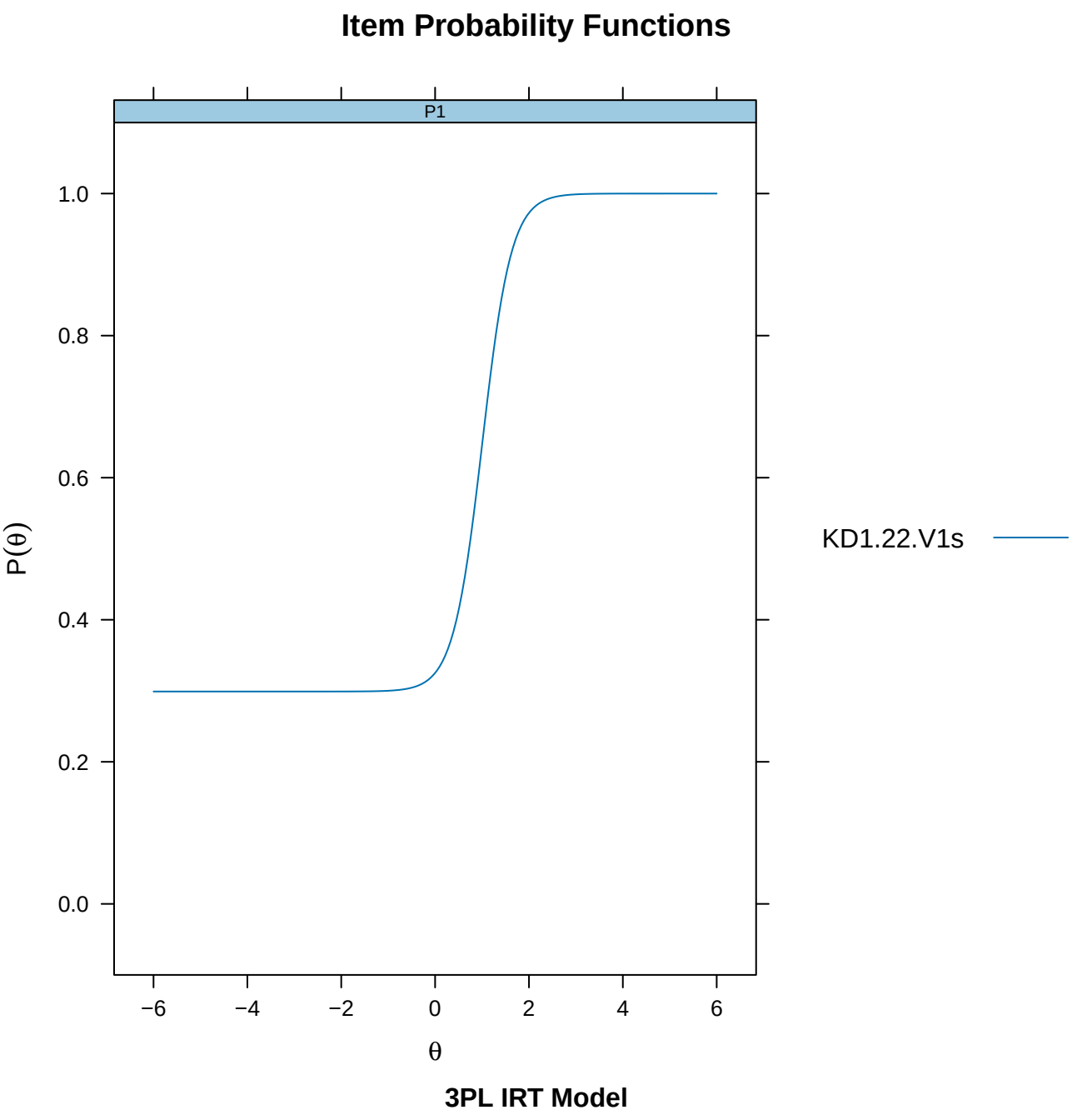

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.17.V1s
3PL IRT Model

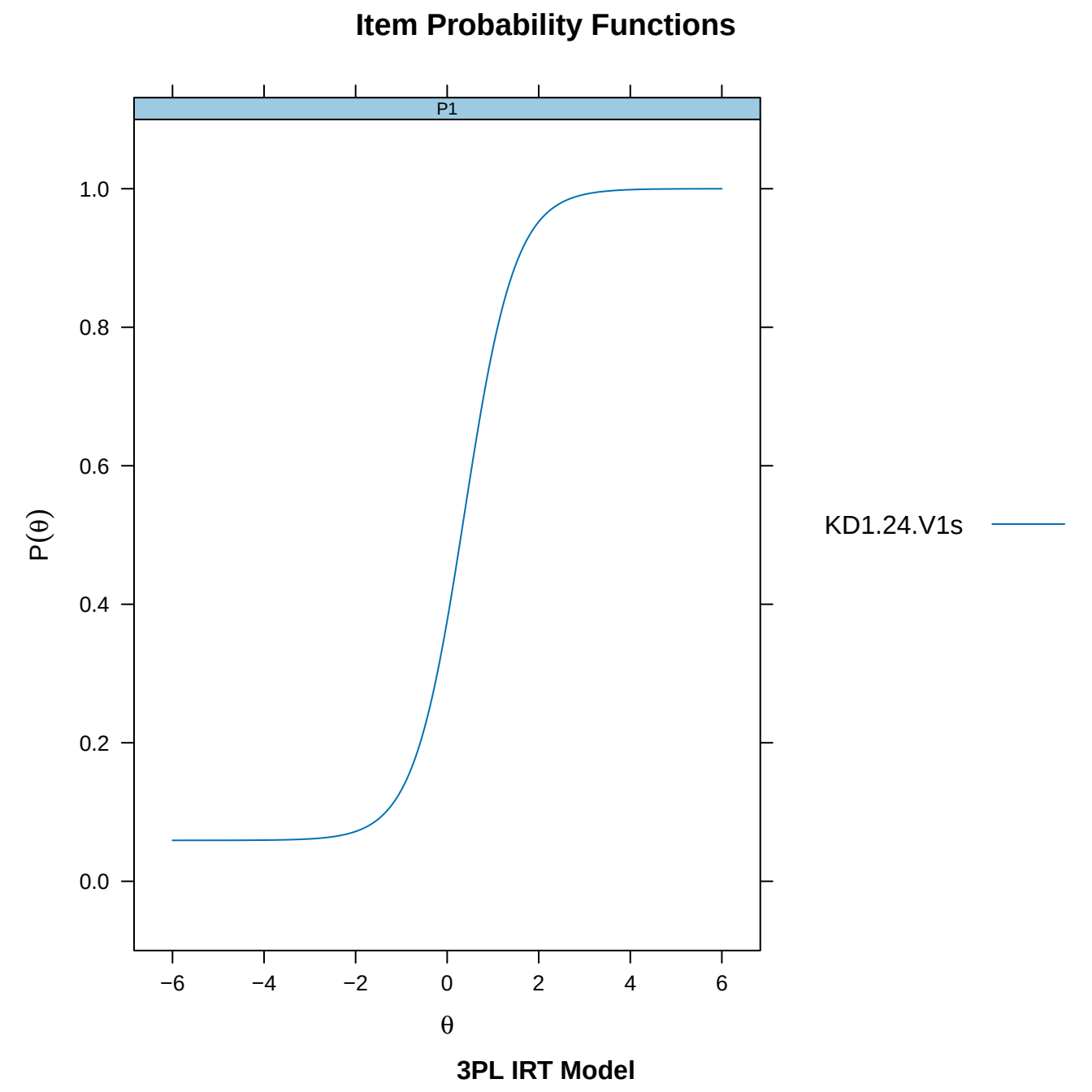

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.18.V1s
3PL IRT Model

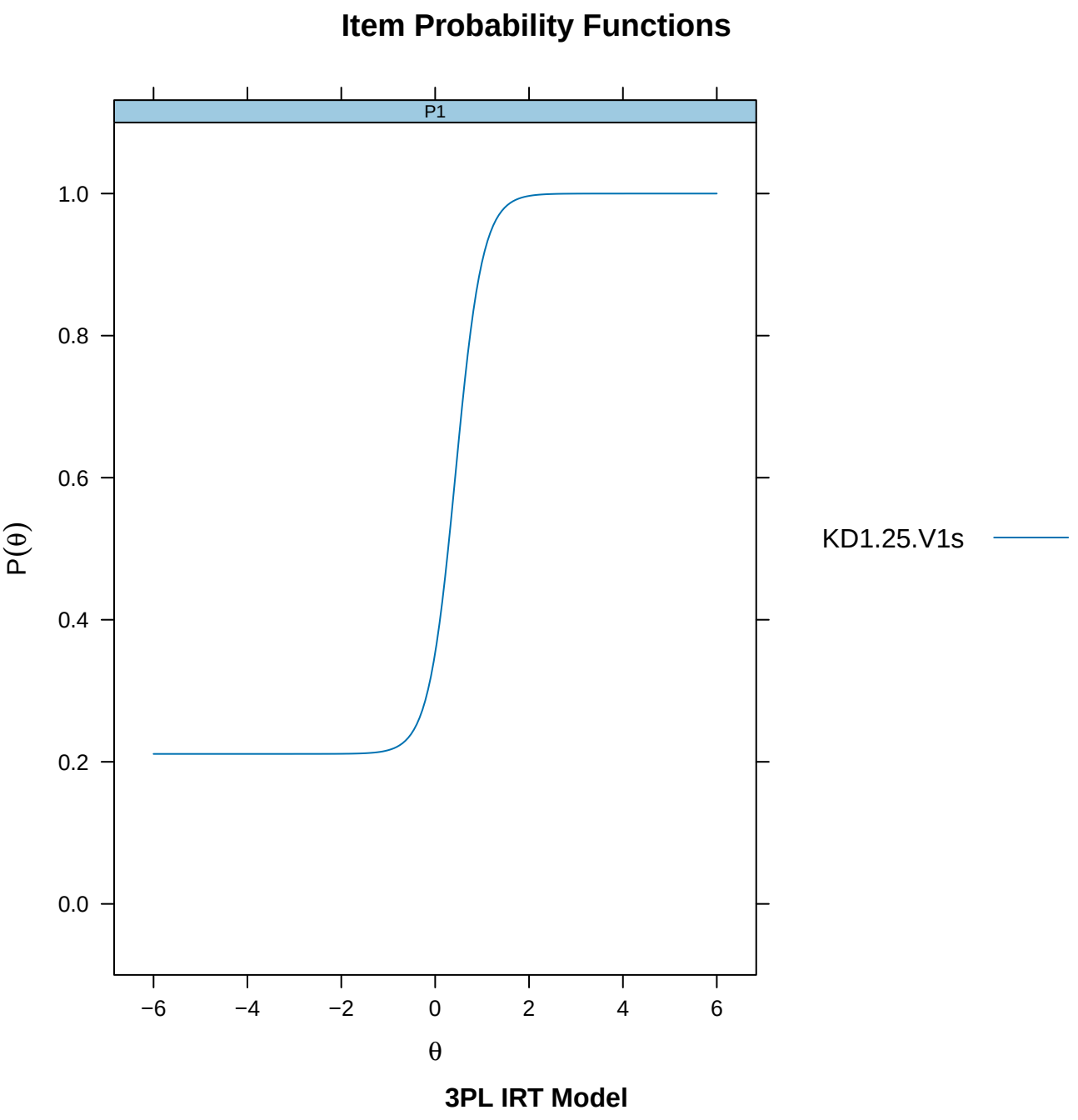

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.19.V1s
3PL IRT Model

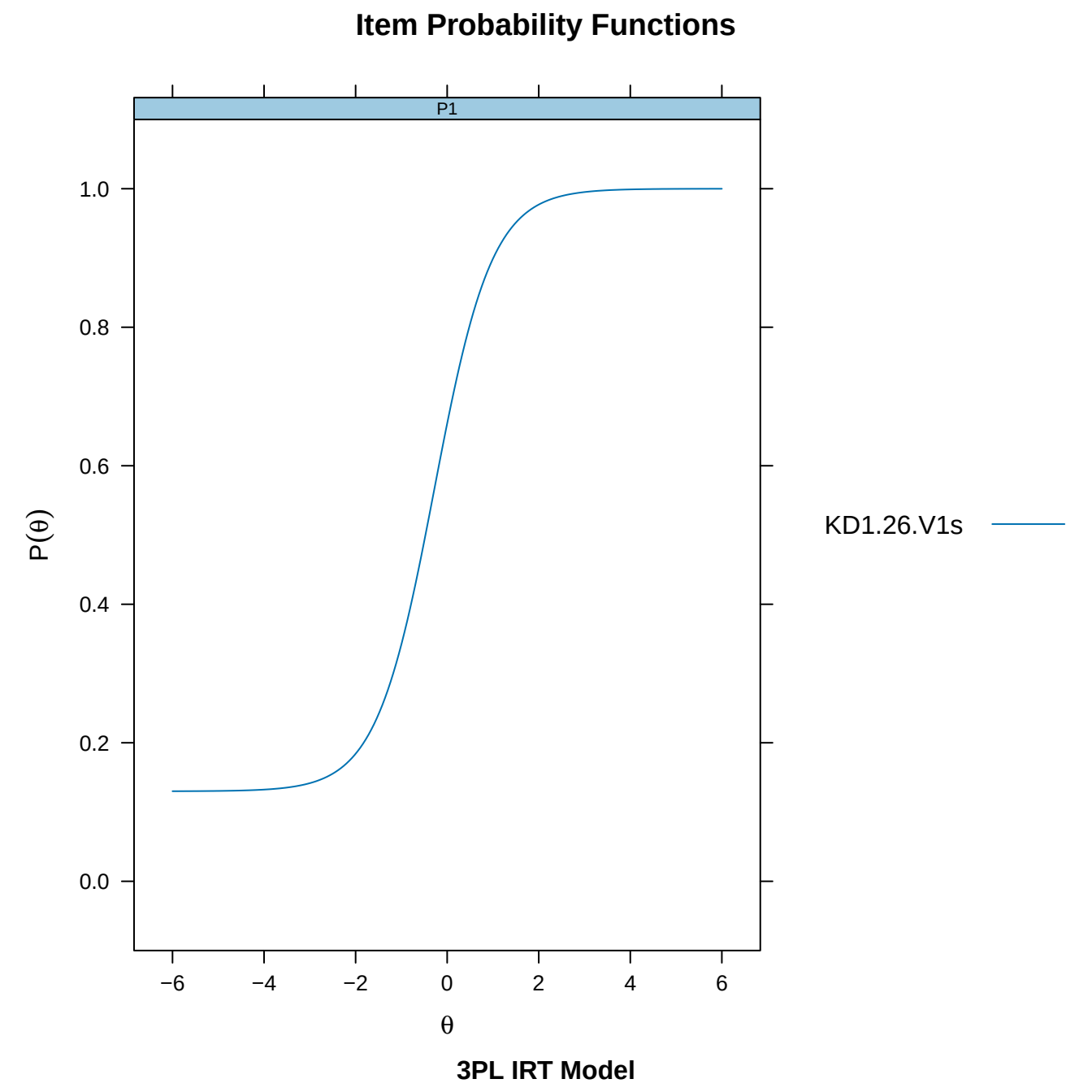

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.20.V1s
3PL IRT Model

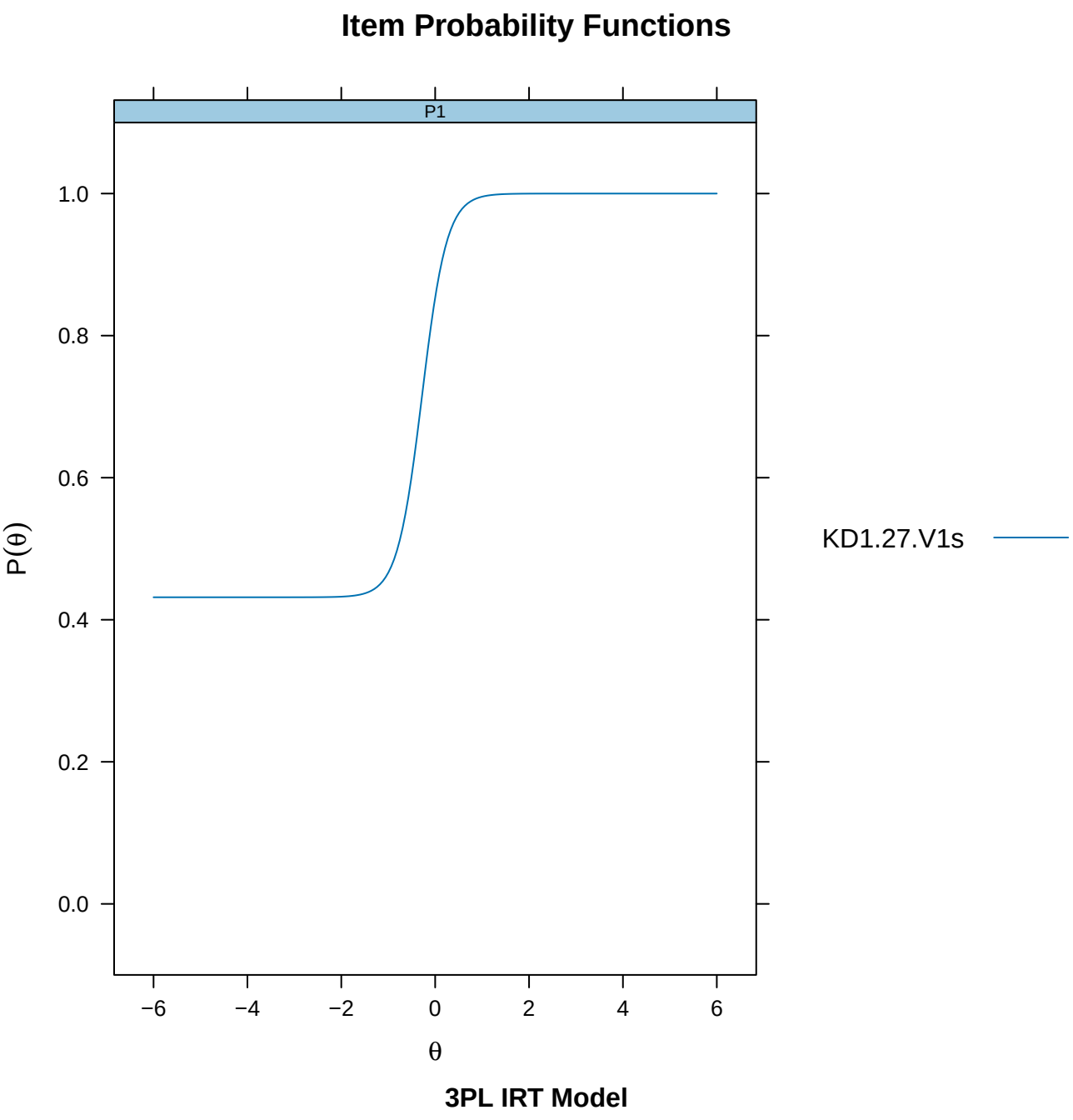

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.21.V1s
3PL IRT Model

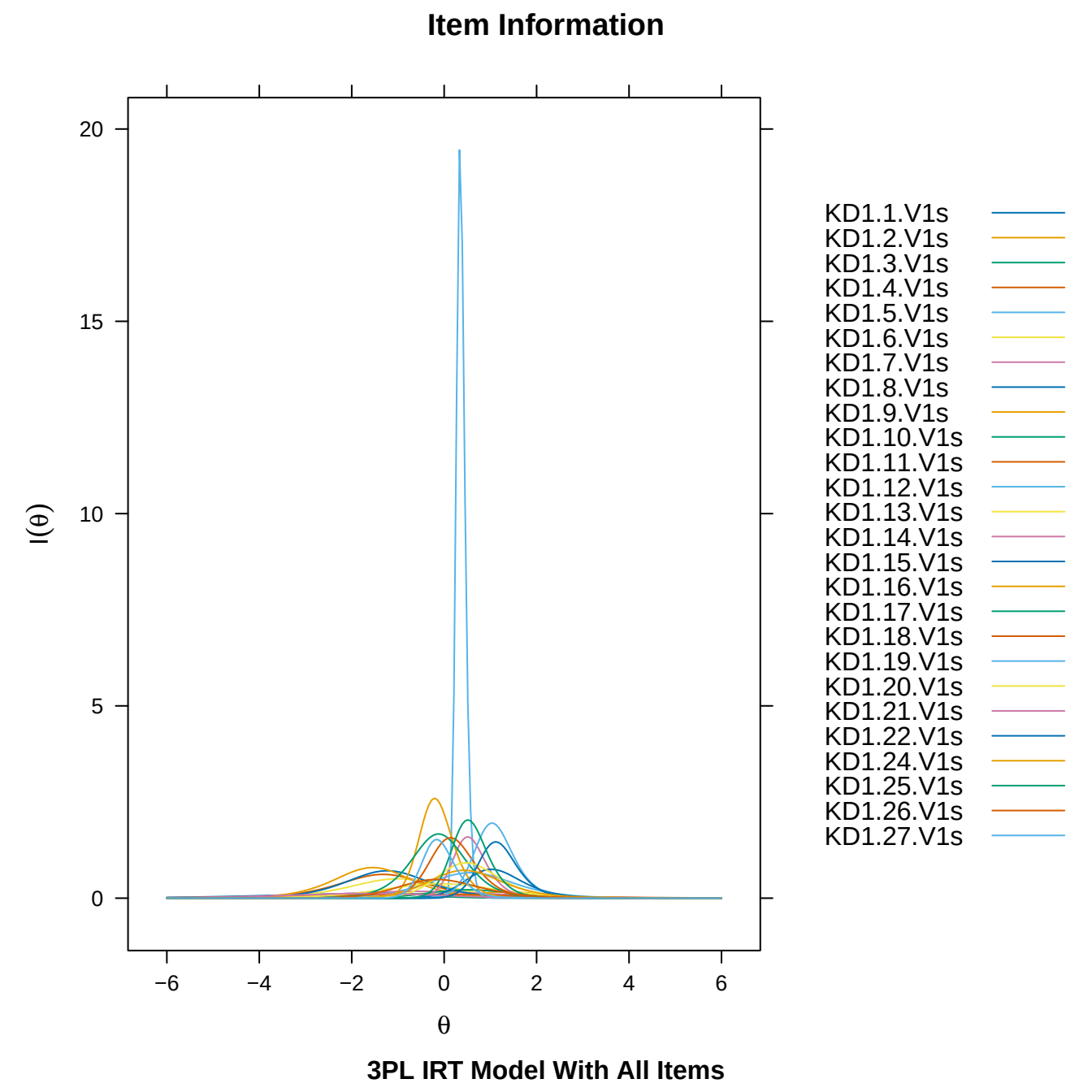

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.22.V1s
3PL IRT Model

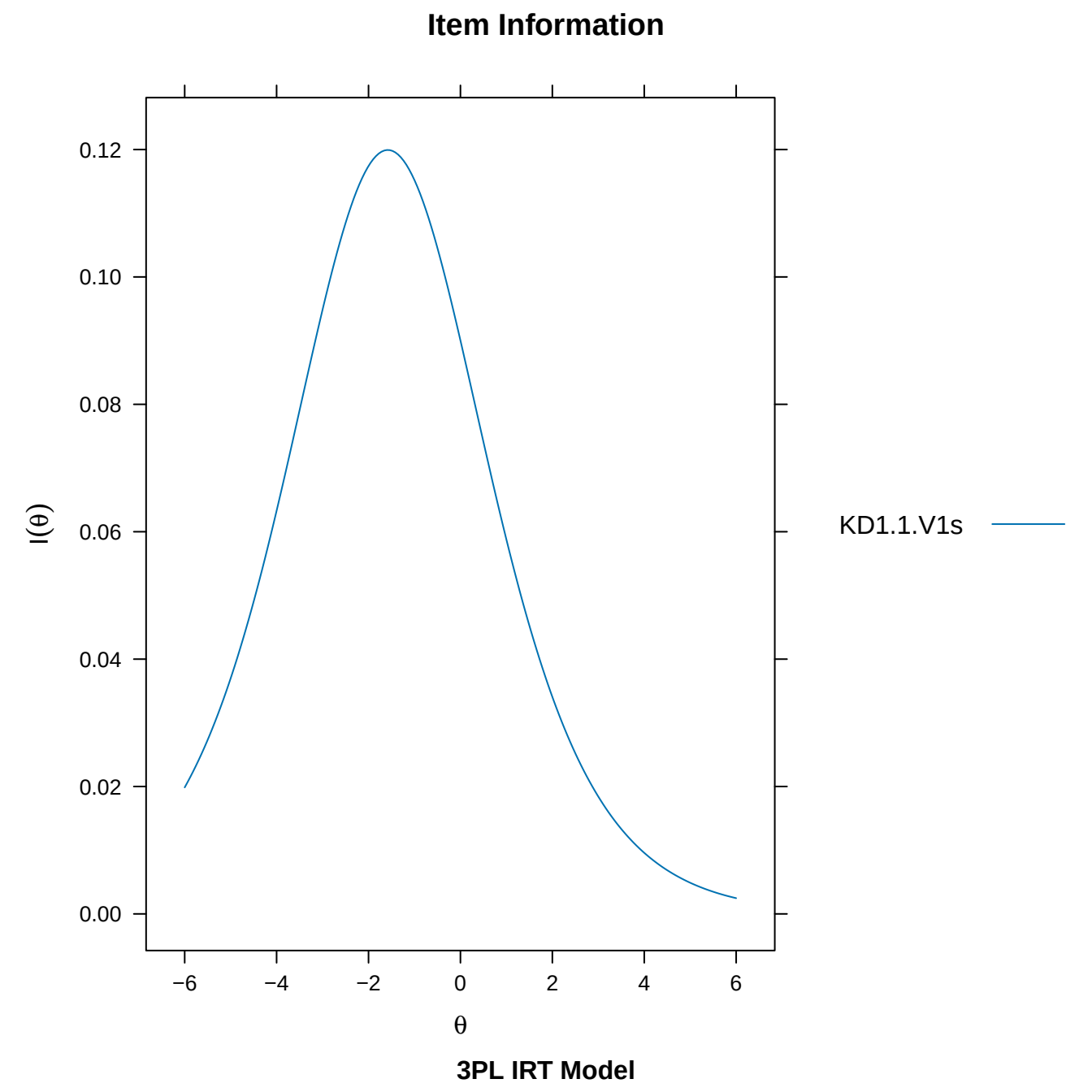

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.24.V1s
3PL IRT Model

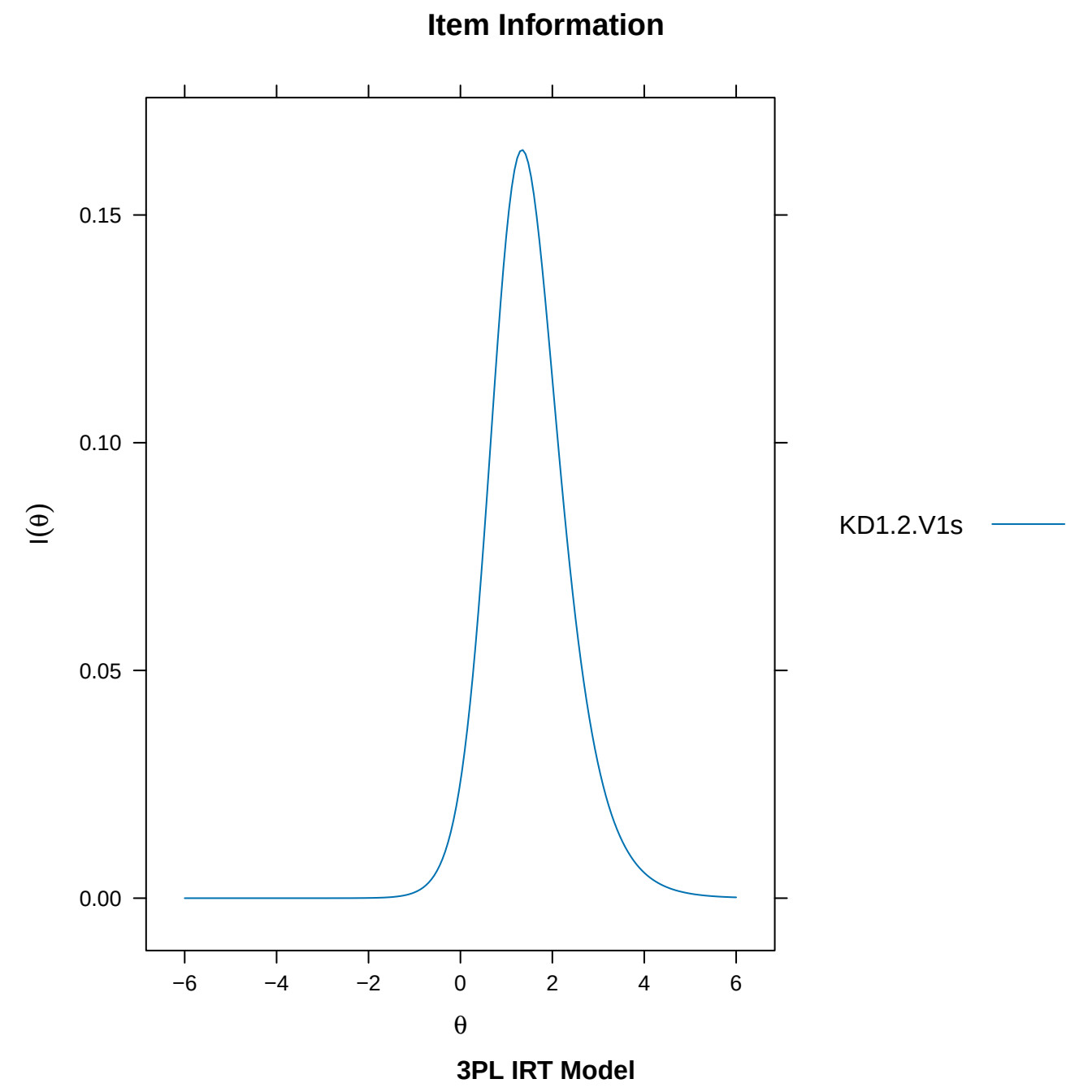

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.25.V1s
3PL IRT Model

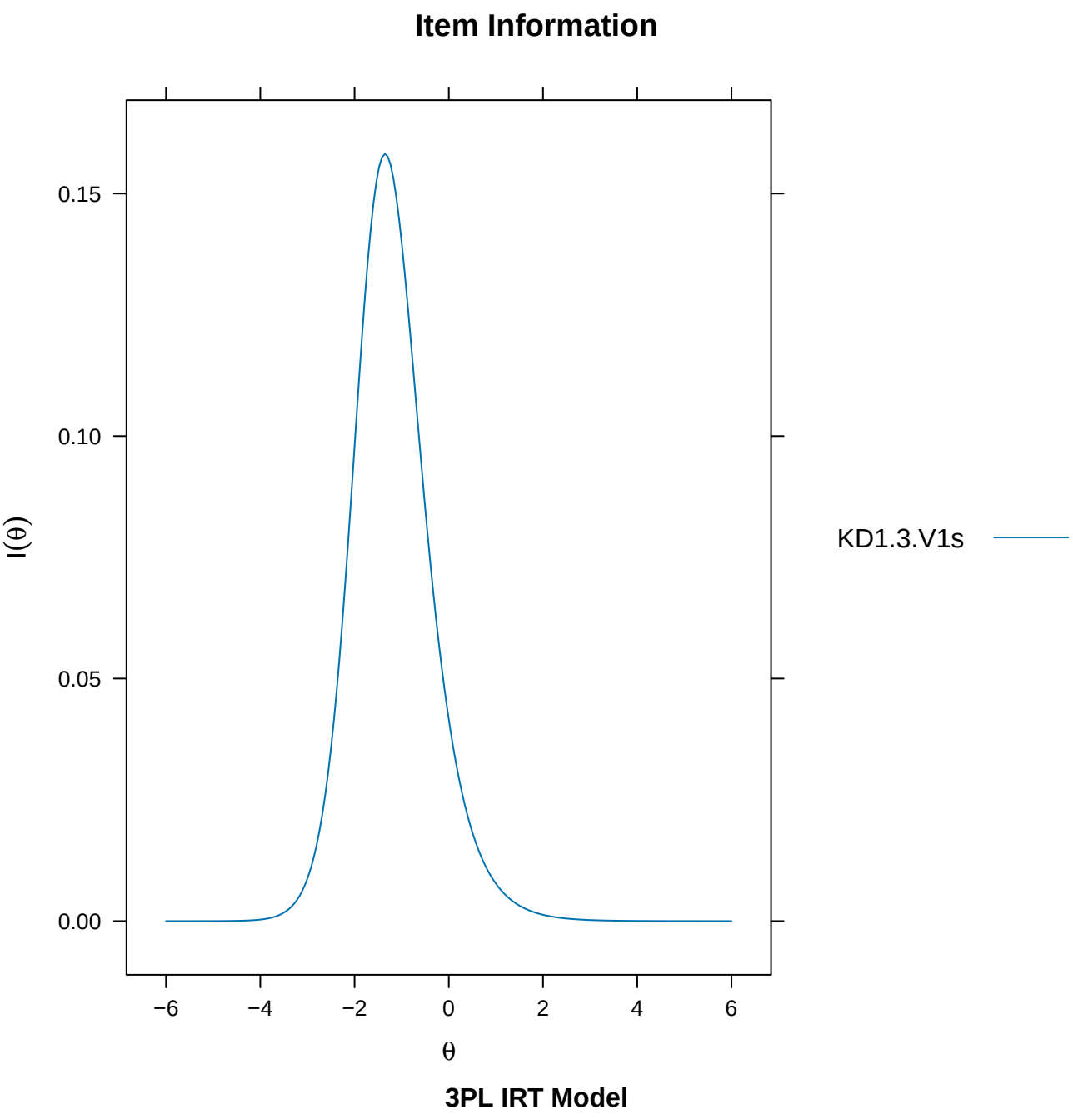

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.26.V1s
3PL IRT Model

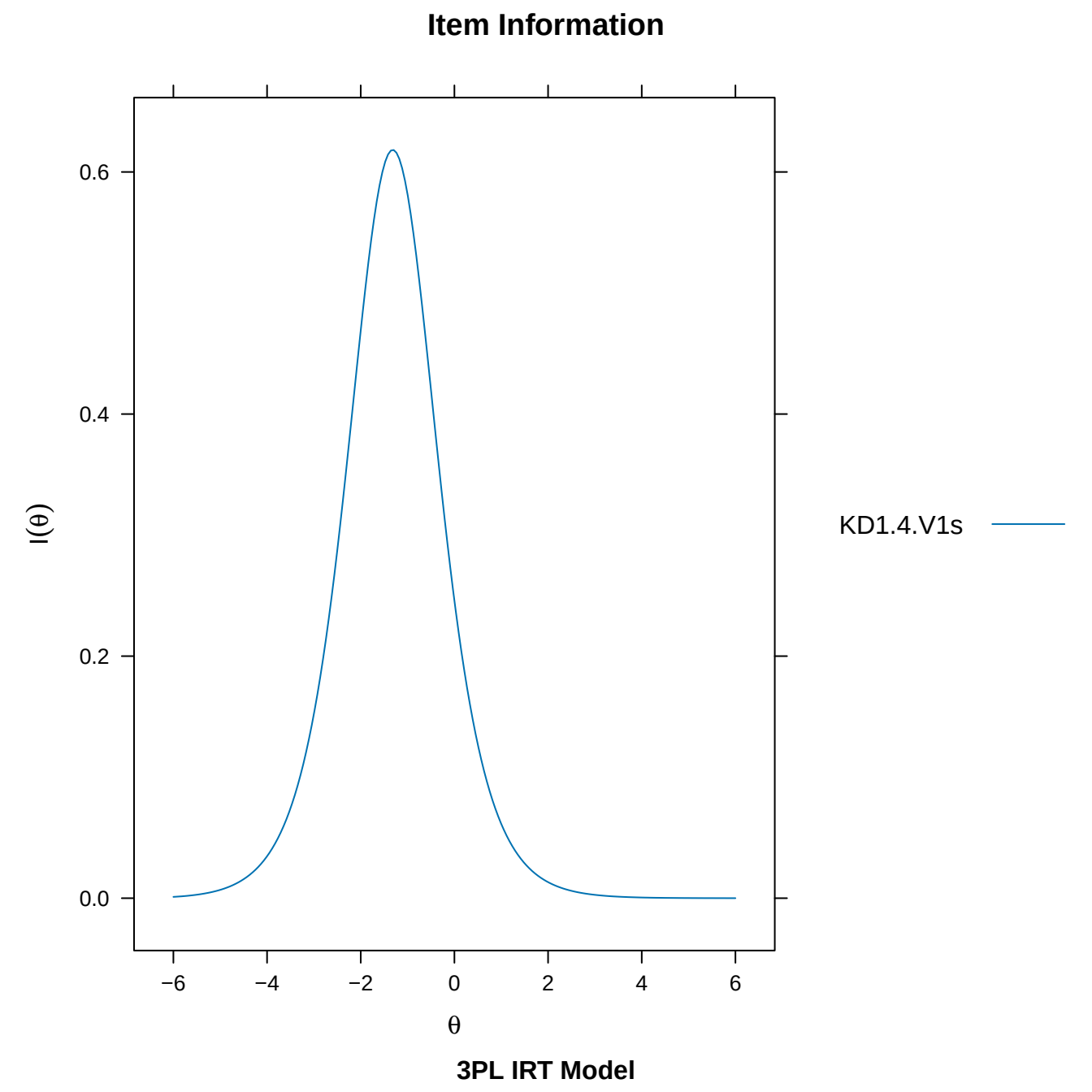

Item Probability Functions
P1
1.0
0.8
0.6
0.4
0.2
0.0
P(θ)
−6
−4
−2
0
2
4
6
θ
KD1.27.V1s
3PL IRT Model

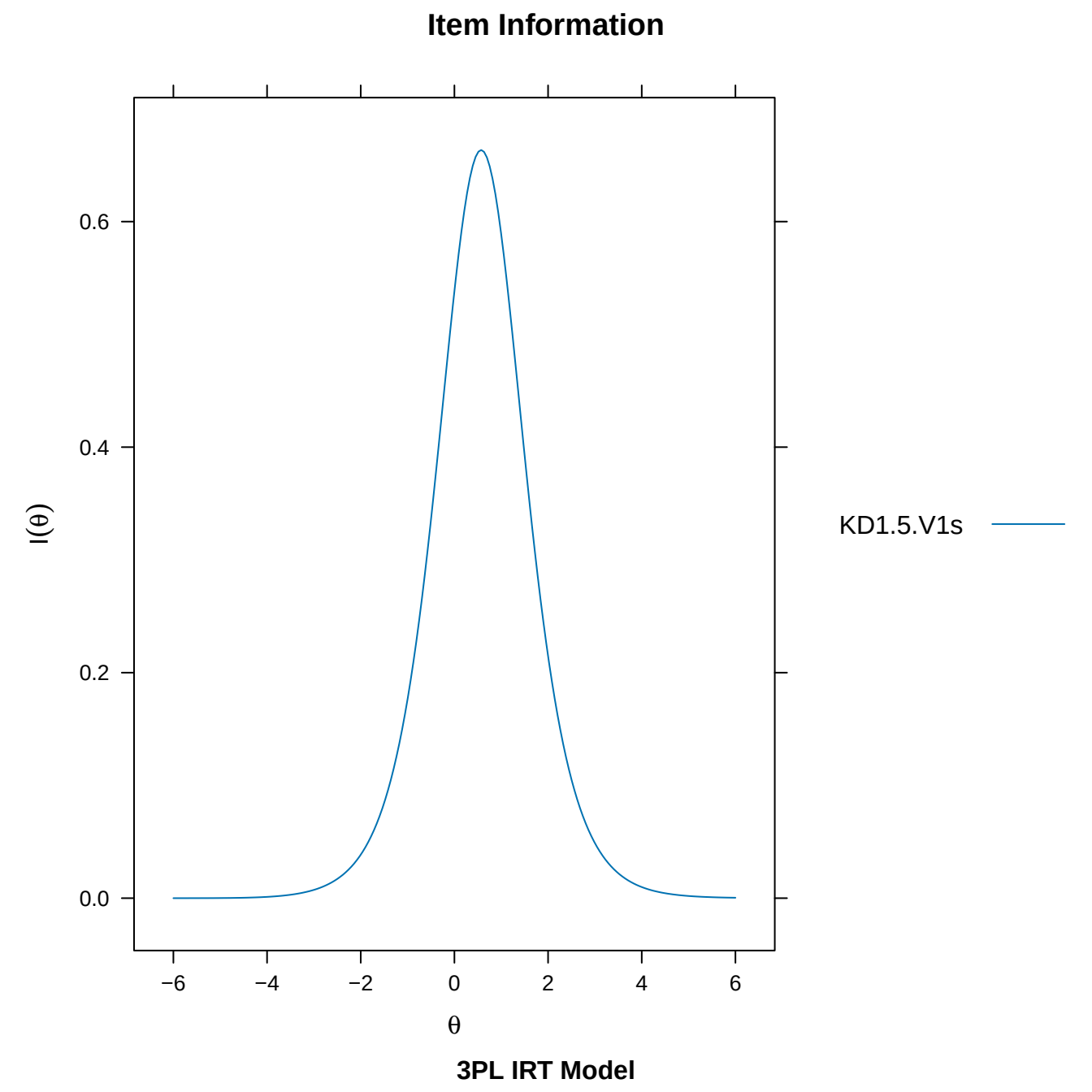

Item Information
I(θ)
θ
20
15
10
5
0
−6
−4
−2
0
2
4
6
KD1.1.V1s
KD1.2.V1s
KD1.3.V1s
KD1.4.V1s
KD1.5.V1s
KD1.6.V1s
KD1.7.V1s
KD1.8.V1s
KD1.9.V1s
KD1.10.V1s
KD1.11.V1s
KD1.12.V1s
KD1.13.V1s
KD1.14.V1s
KD1.15.V1s
KD1.16.V1s
KD1.17.V1s
KD1.18.V1s
KD1.19.V1s
KD1.20.V1s
KD1.21.V1s
KD1.22.V1s
KD1.24.V1s
KD1.25.V1s
KD1.26.V1s
KD1.27.V1s
3PL IRT Model With All Items

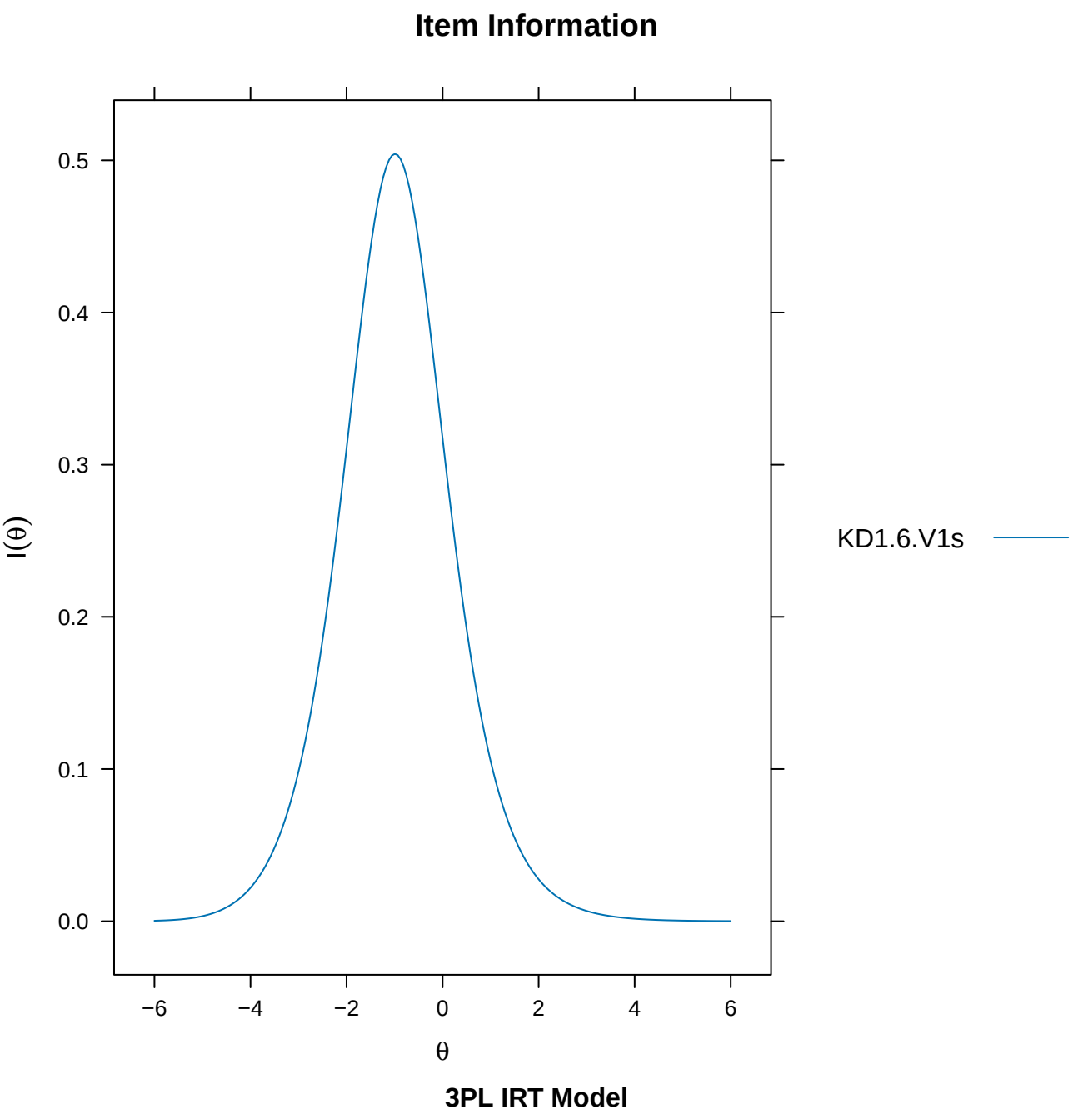

Item Information
0.12
0.10
0.08
0.06
0.04
0.02
0.00
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.1.V1s
3PL IRT Model

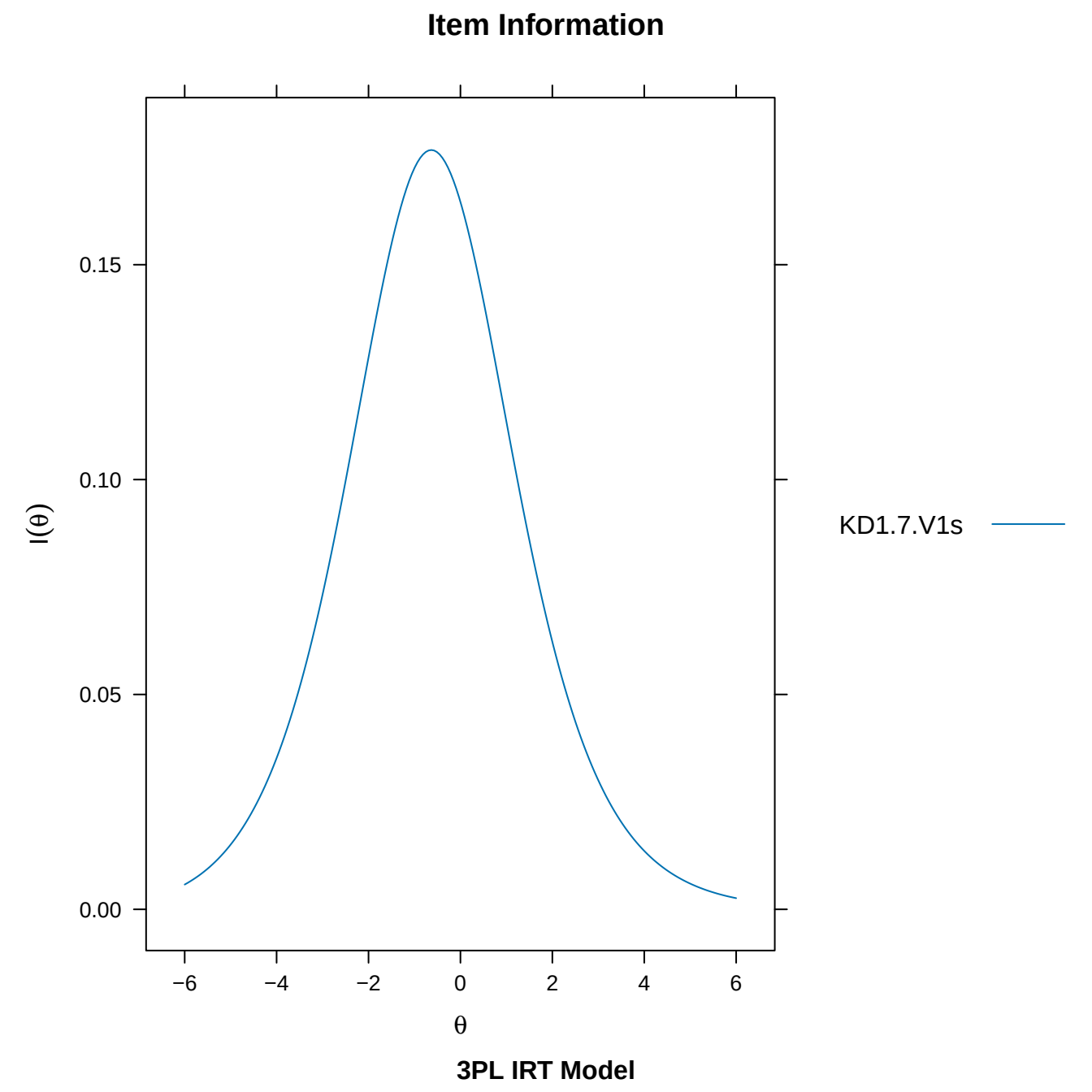

Item Information
0.15
0.10
0.05
0.00
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.2.V1s
3PL IRT Model

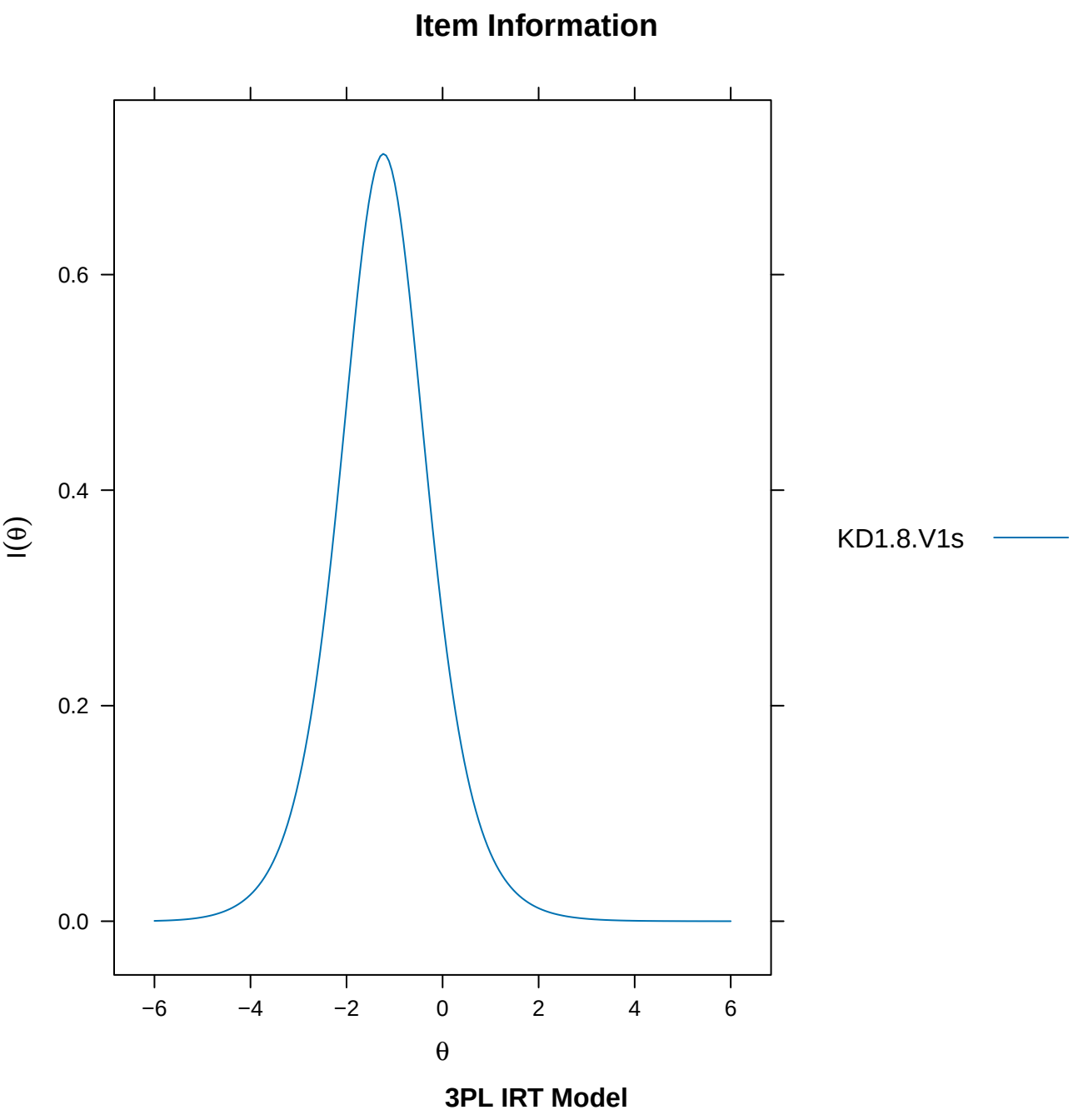

Item Information
0.15
0.10
0.05
0.00
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.3.V1s
3PL IRT Model

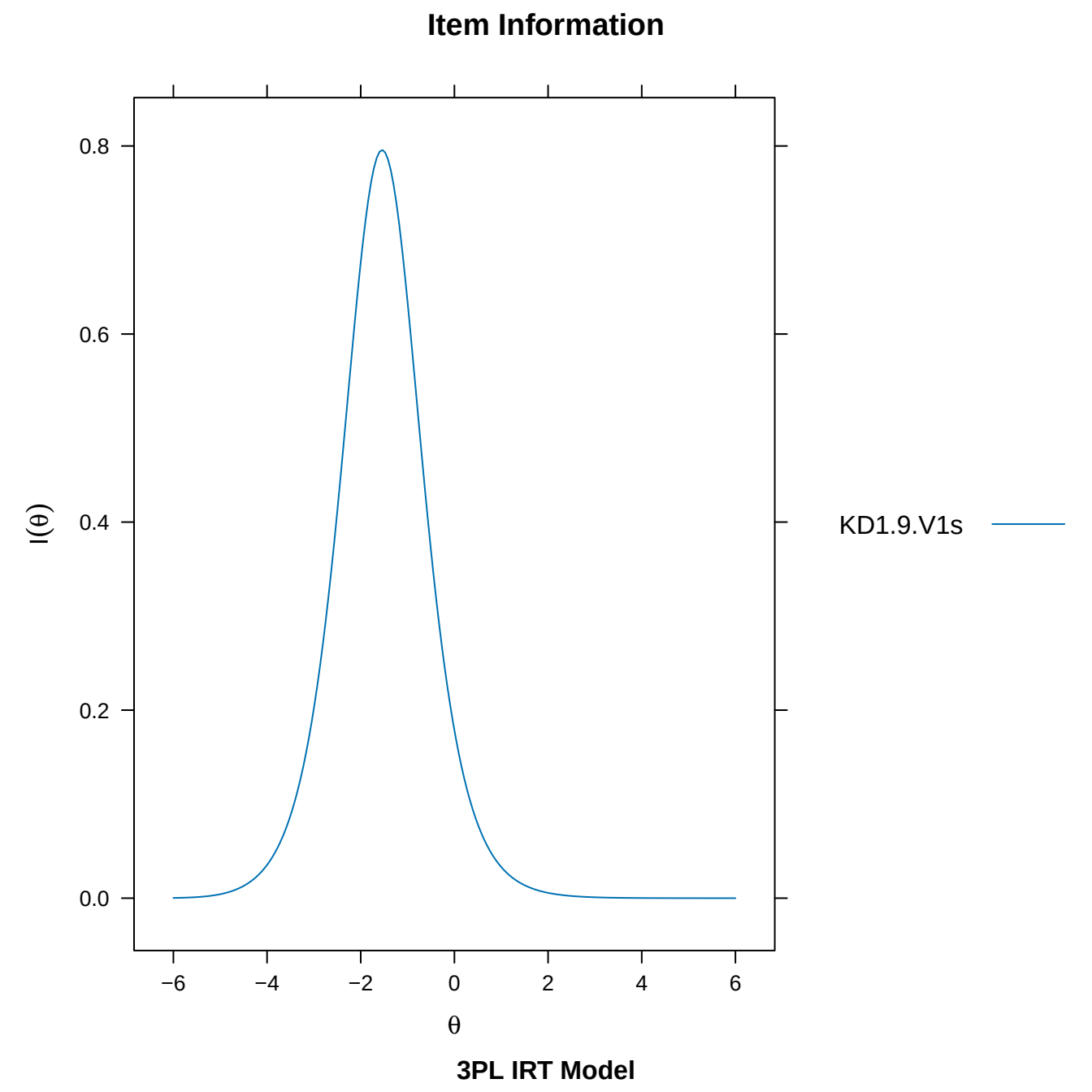

Item Information
0.6
0.4
0.2
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
3PL IRT Model
KD1.4.V1s

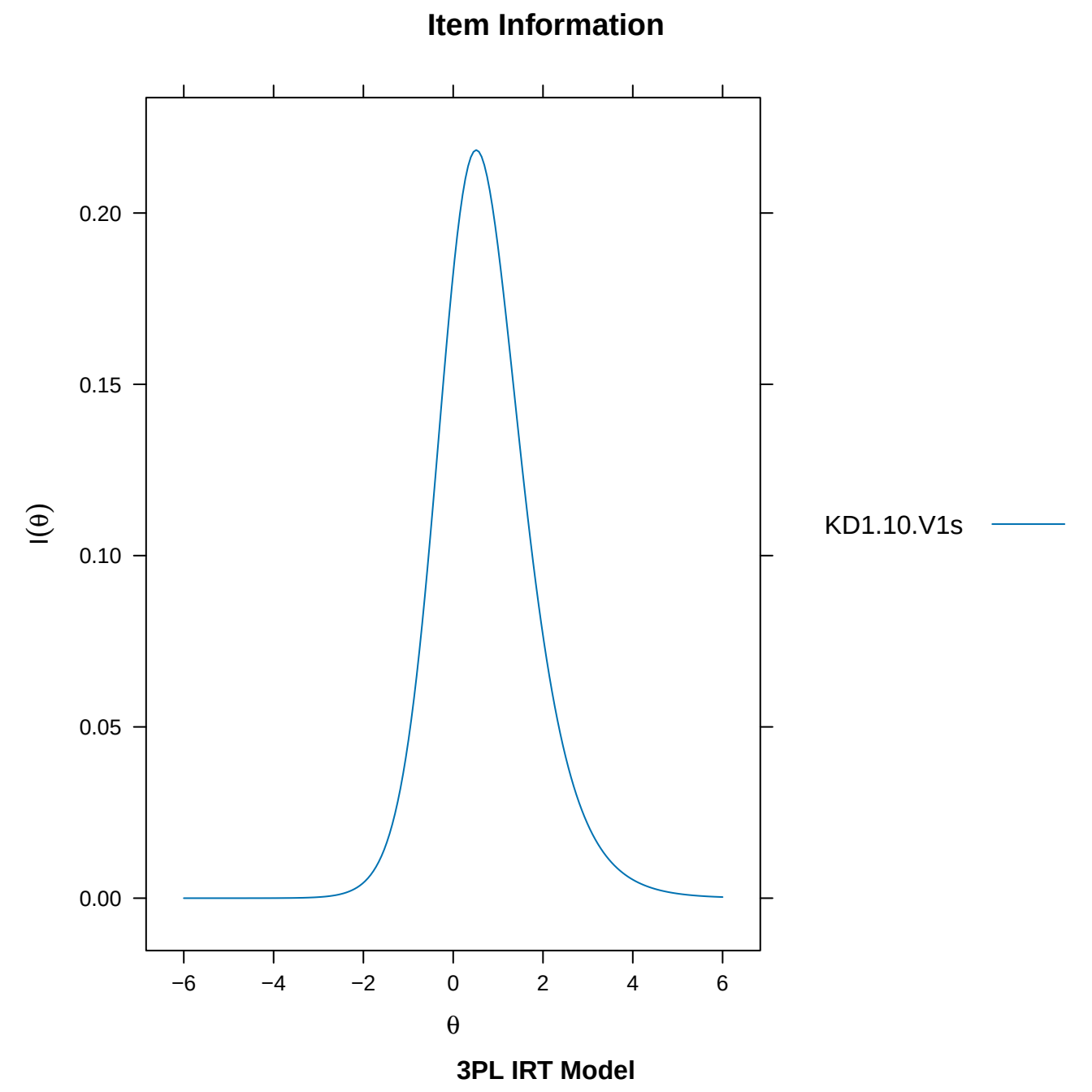

Item Information
0.6
0.4
0.2
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.5.V1s
3PL IRT Model

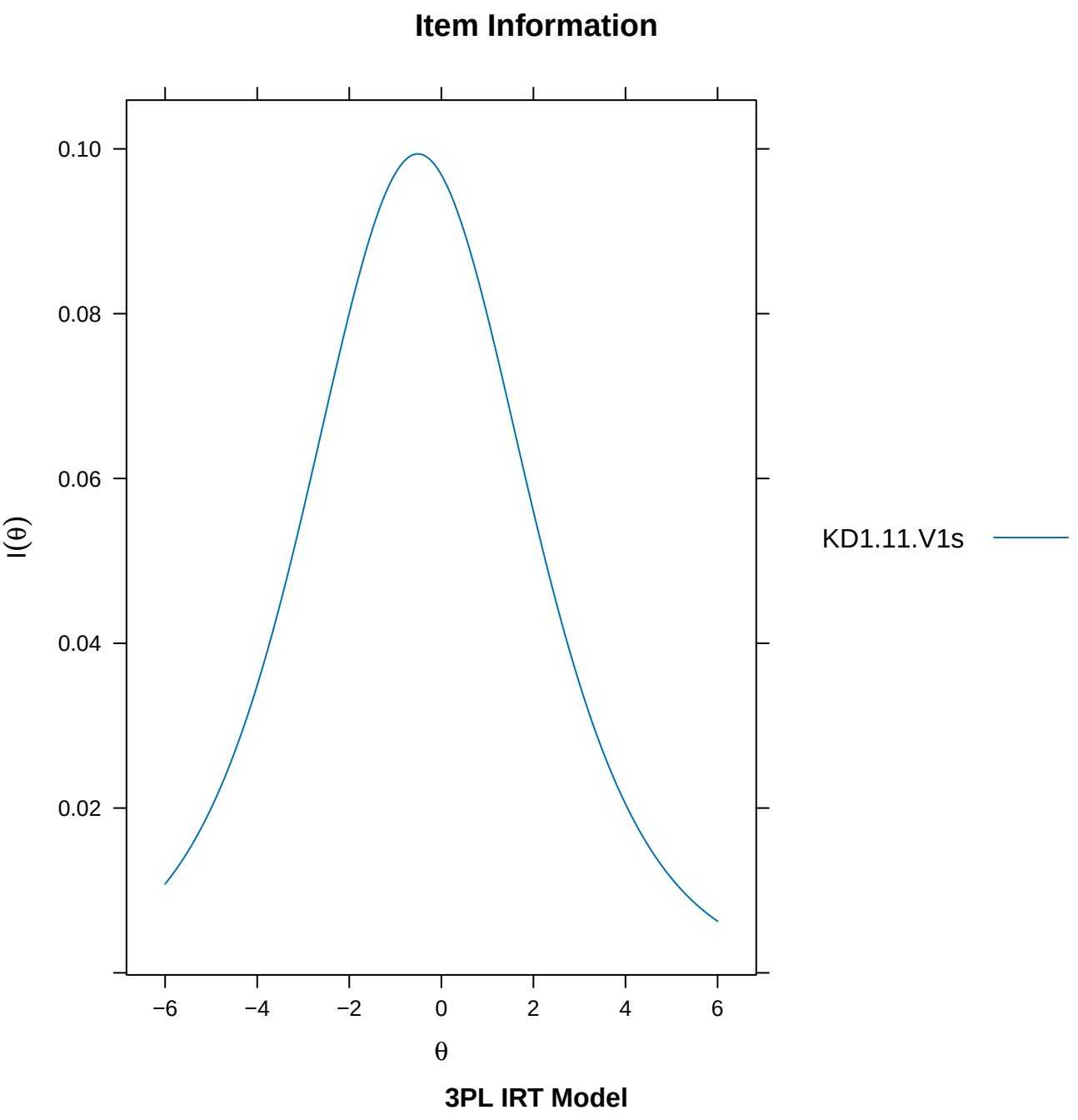

Item Information
0.5
0.4
0.3
0.2
0.1
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.6.V1s
3PL IRT Model

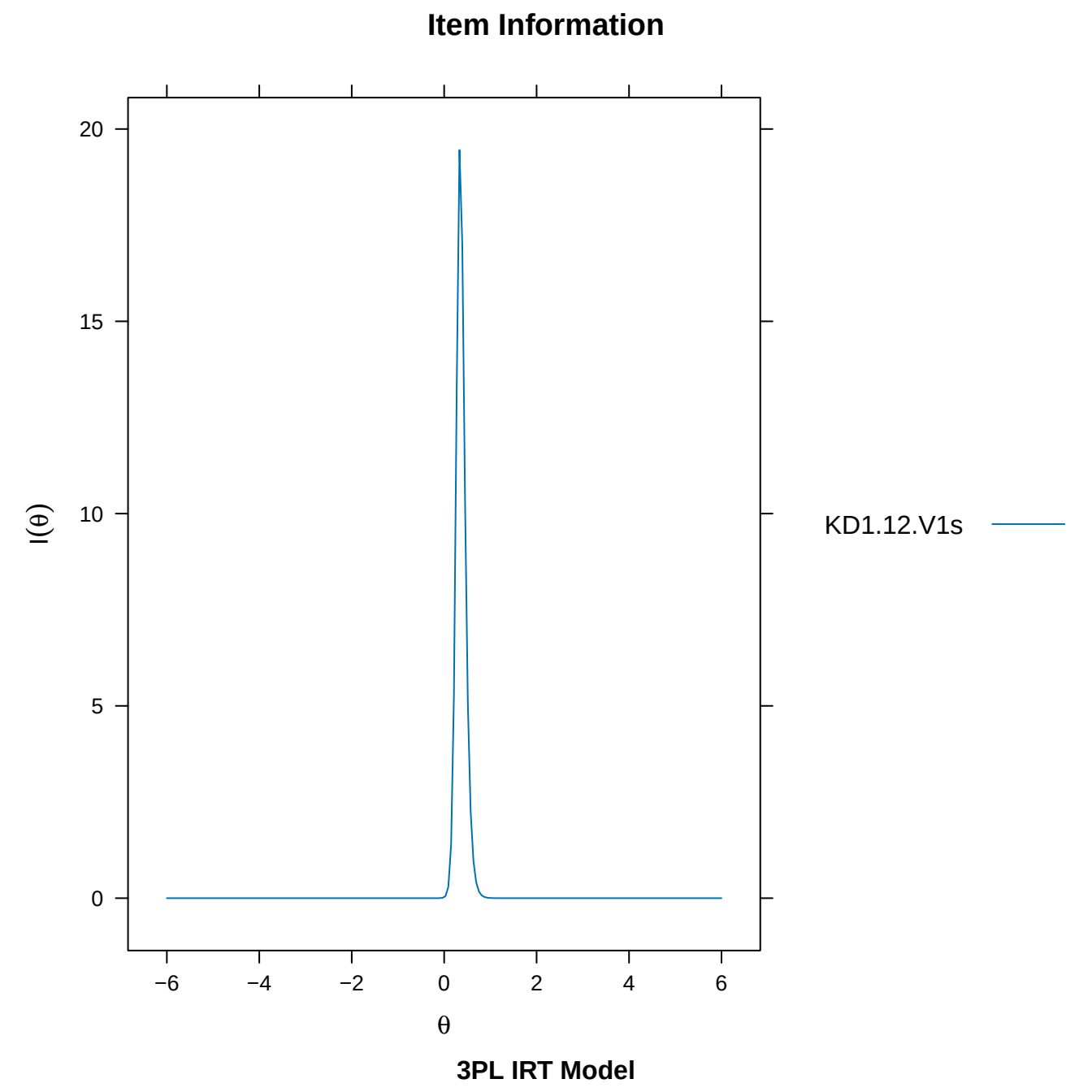

Item Information
0.15
0.10
0.05
0.00
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.7.V1s
3PL IRT Model

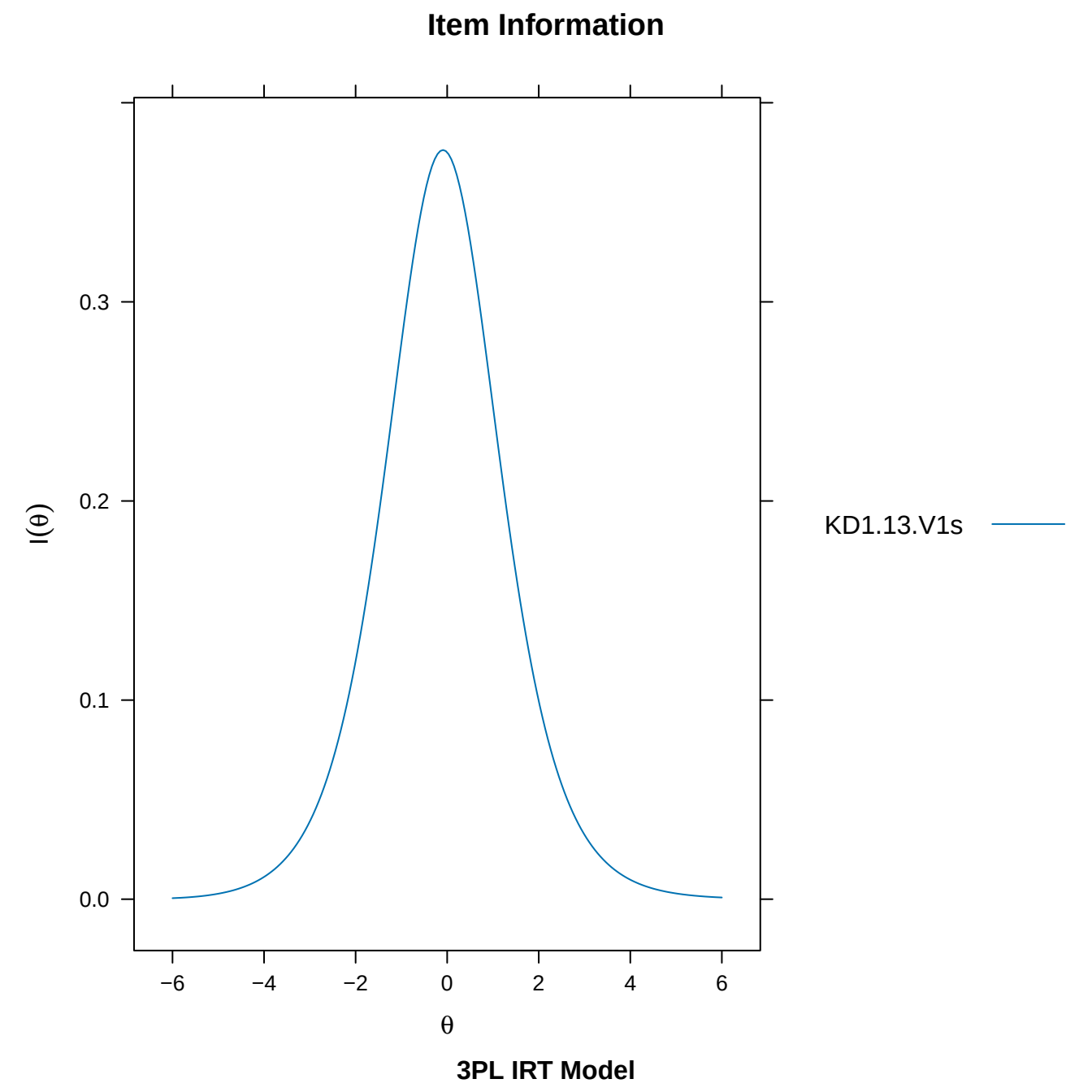

Item Information
0.6
0.4
0.2
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
3PL IRT Model
KD1.8.V1s

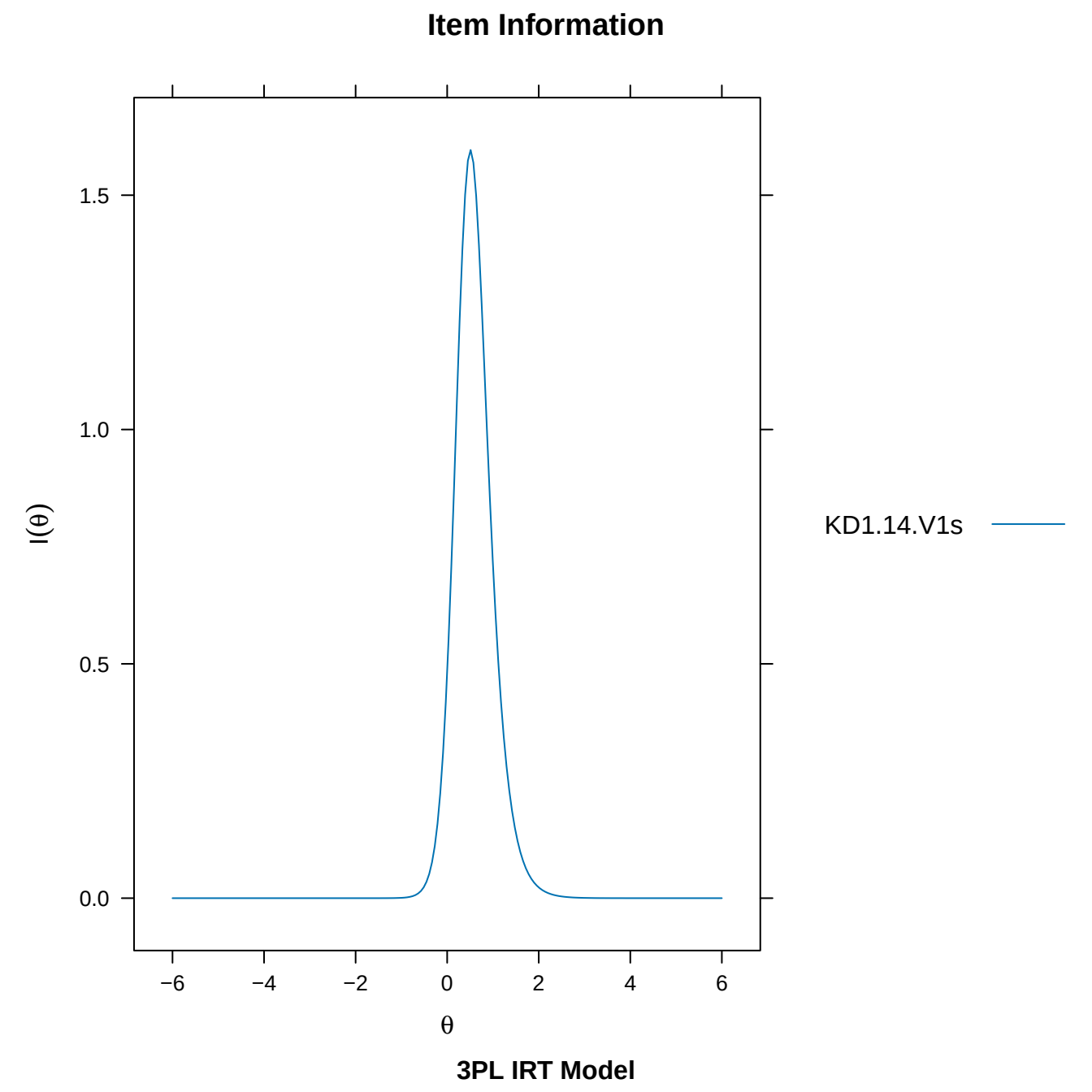

Item Information
0.8
0.6
0.4
0.2
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.9.V1s
3PL IRT Model

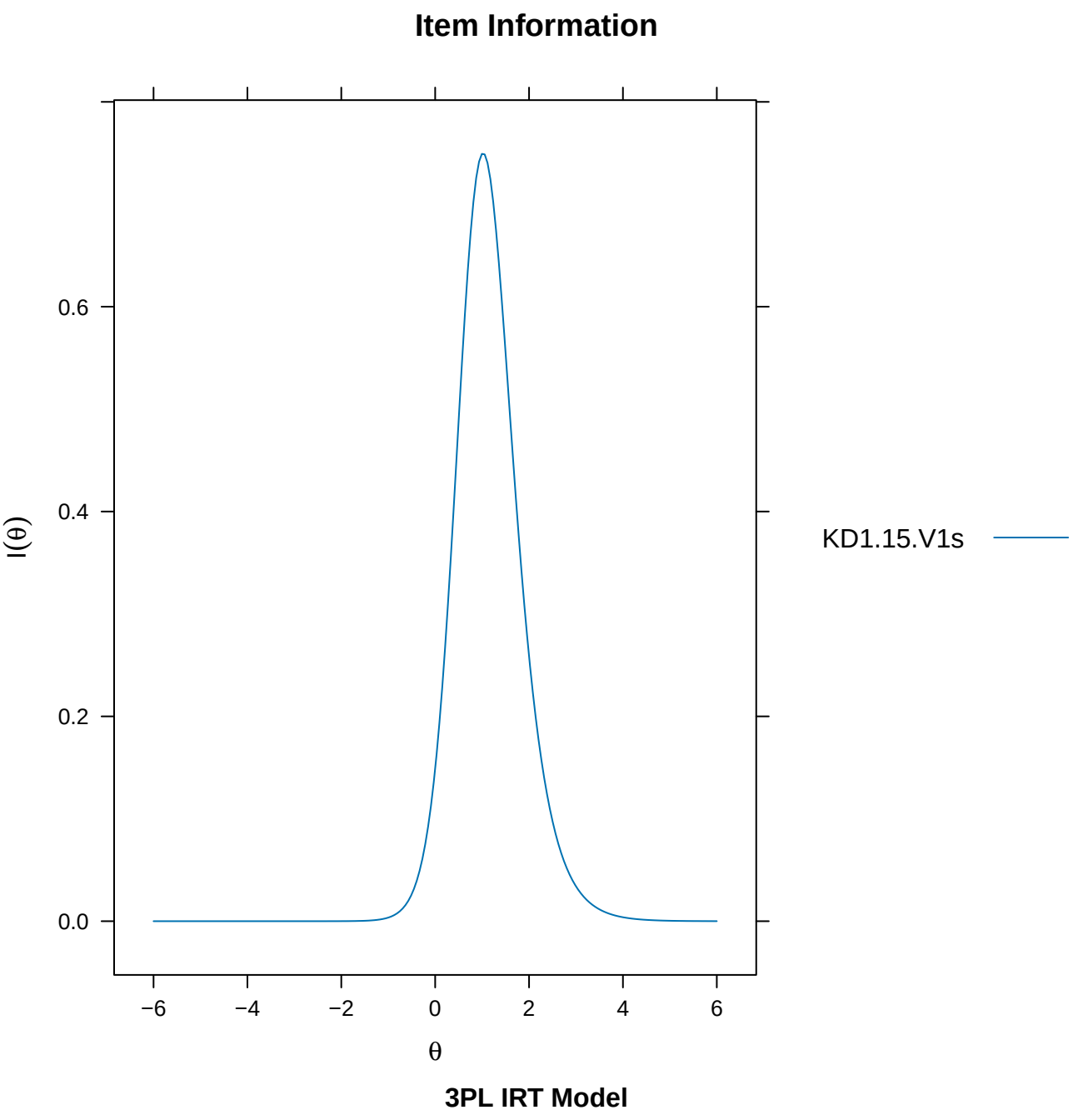

Item Information
0.20
0.15
0.10
0.05
0.00
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.10.V1s
3PL IRT Model

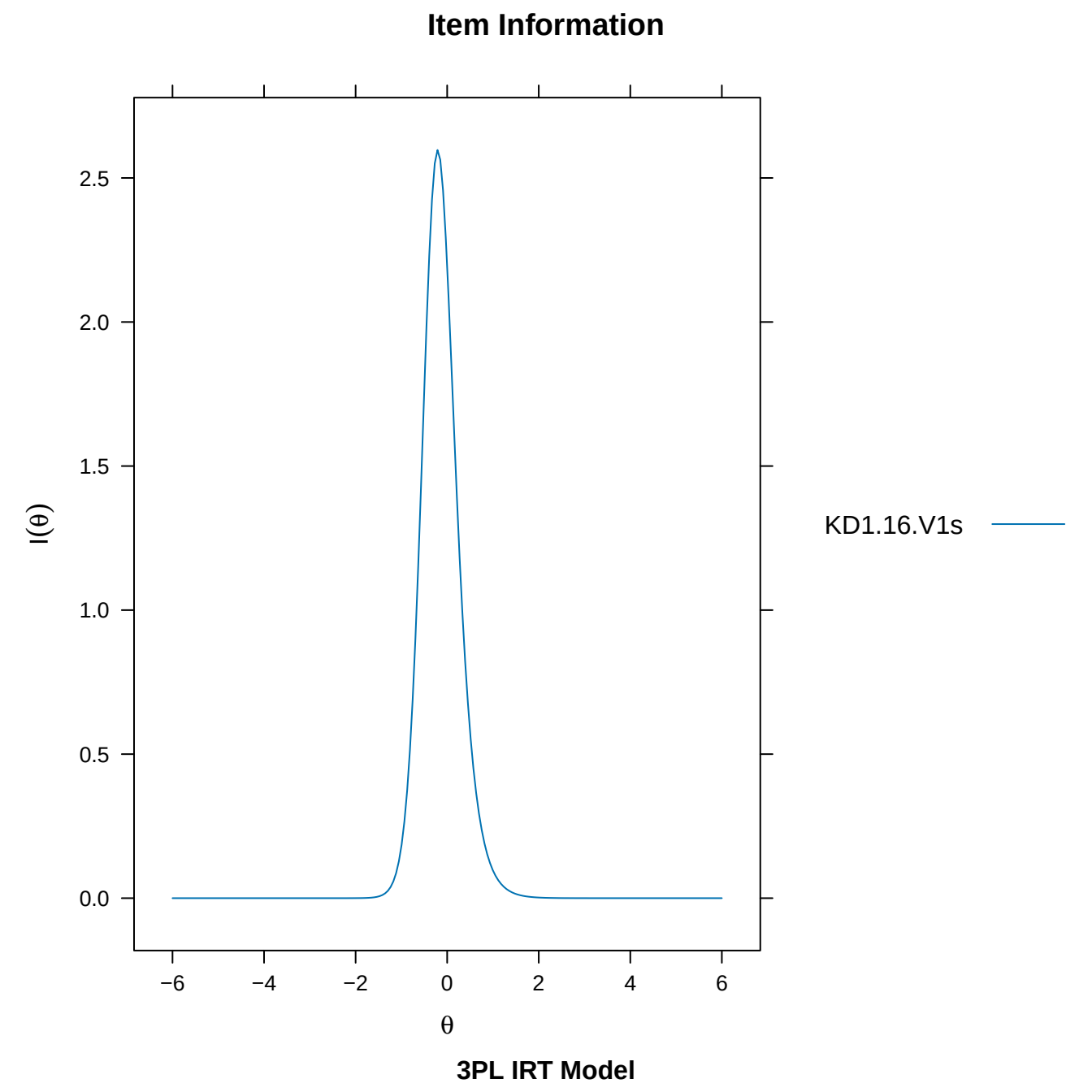

Item Information
0.10
0.08
0.06
0.04
0.02
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.11.V1s
3PL IRT Model

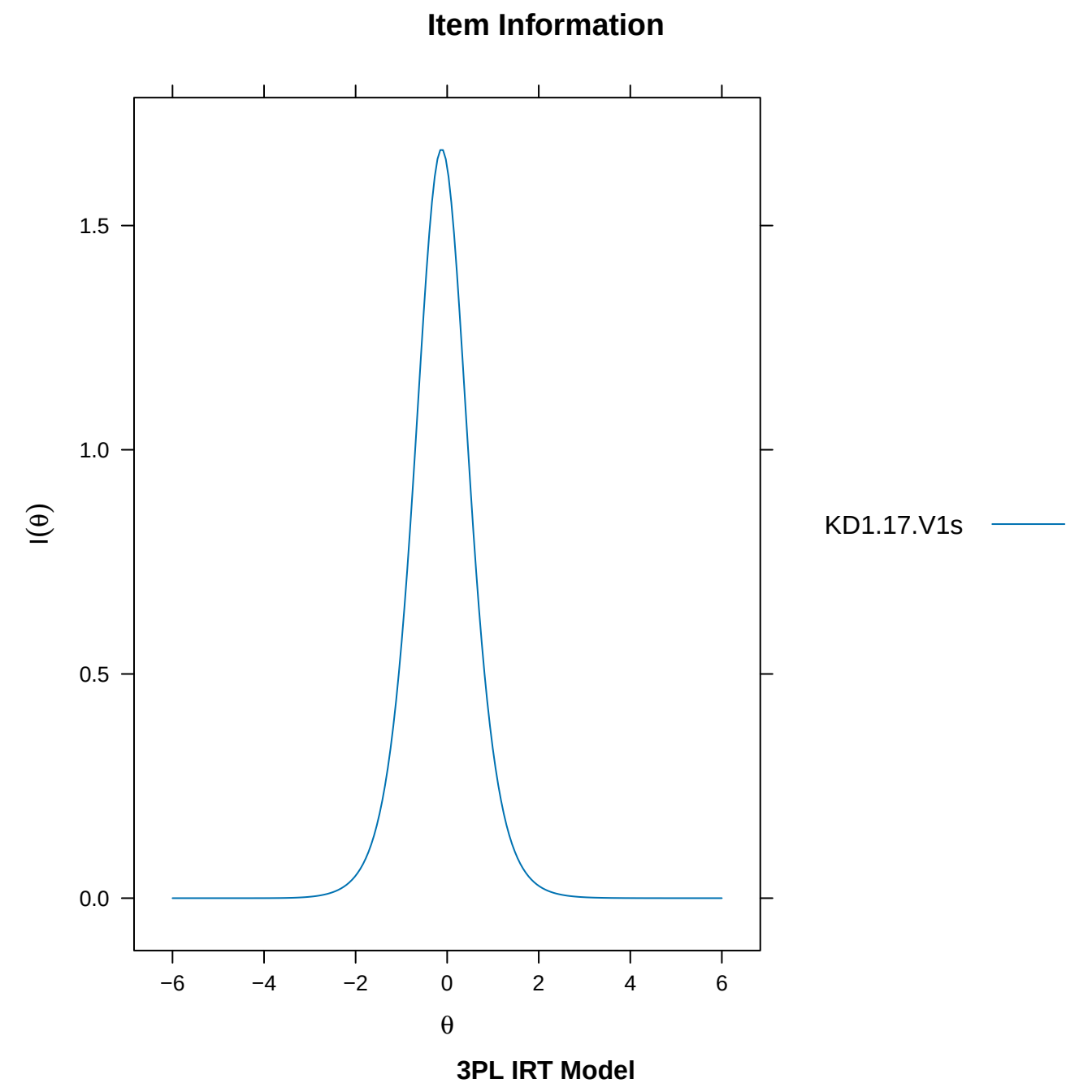

Item Information
20
15
10
5
0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.12.V1s
3PL IRT Model

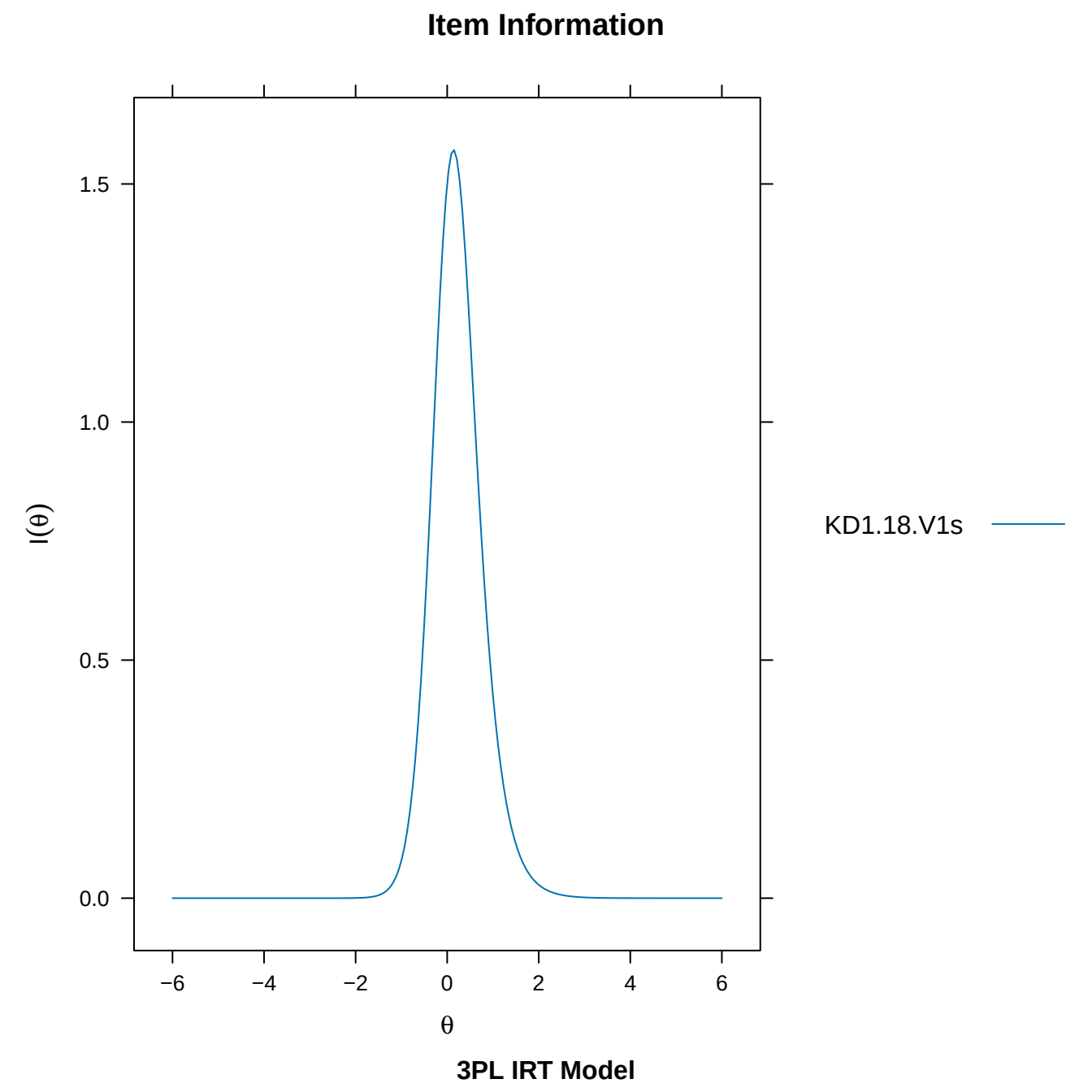

Item Information
I(θ)
0.0
0.1
0.2
0.3
−6
−4
−2
0
2
4
6
θ
3PL IRT Model
KD1.13.V1s

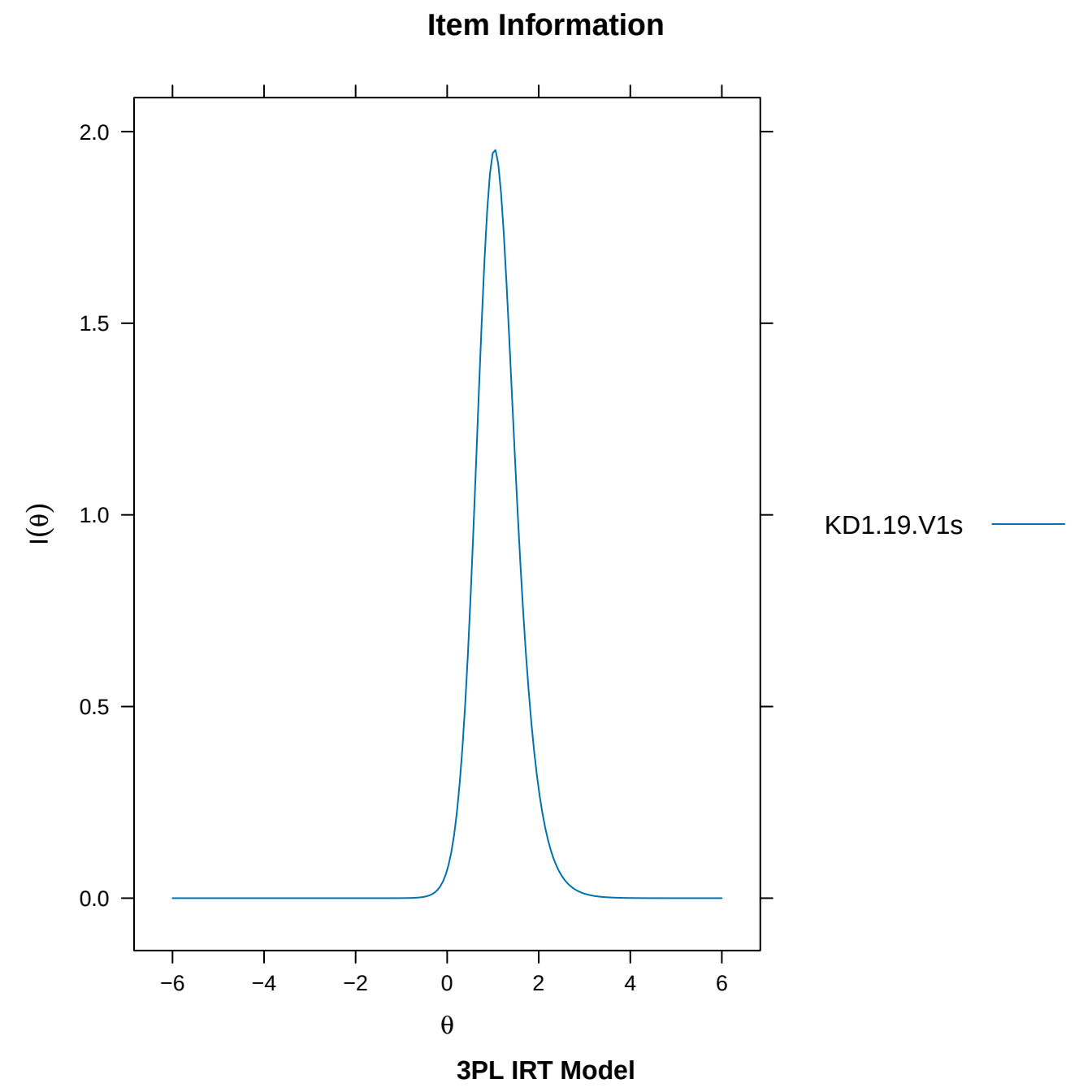

Item Information
1.5
1.0
0.5
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.14.V1s
3PL IRT Model

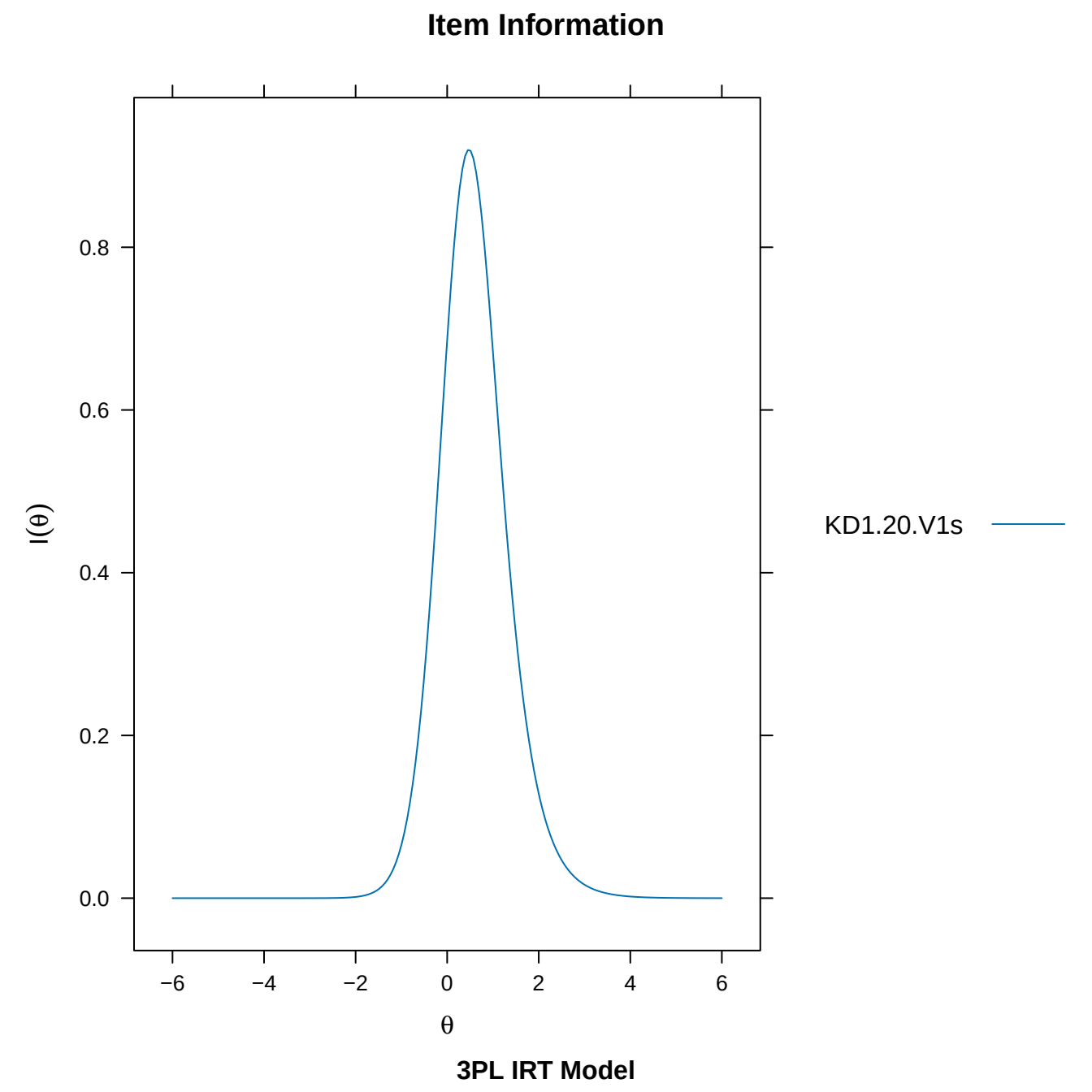

Item Information
I(θ)
0.0
0.2
0.4
0.6
−6
−4
−2
0
2
4
6
θ
KD1.15.V1s
3PL IRT Model

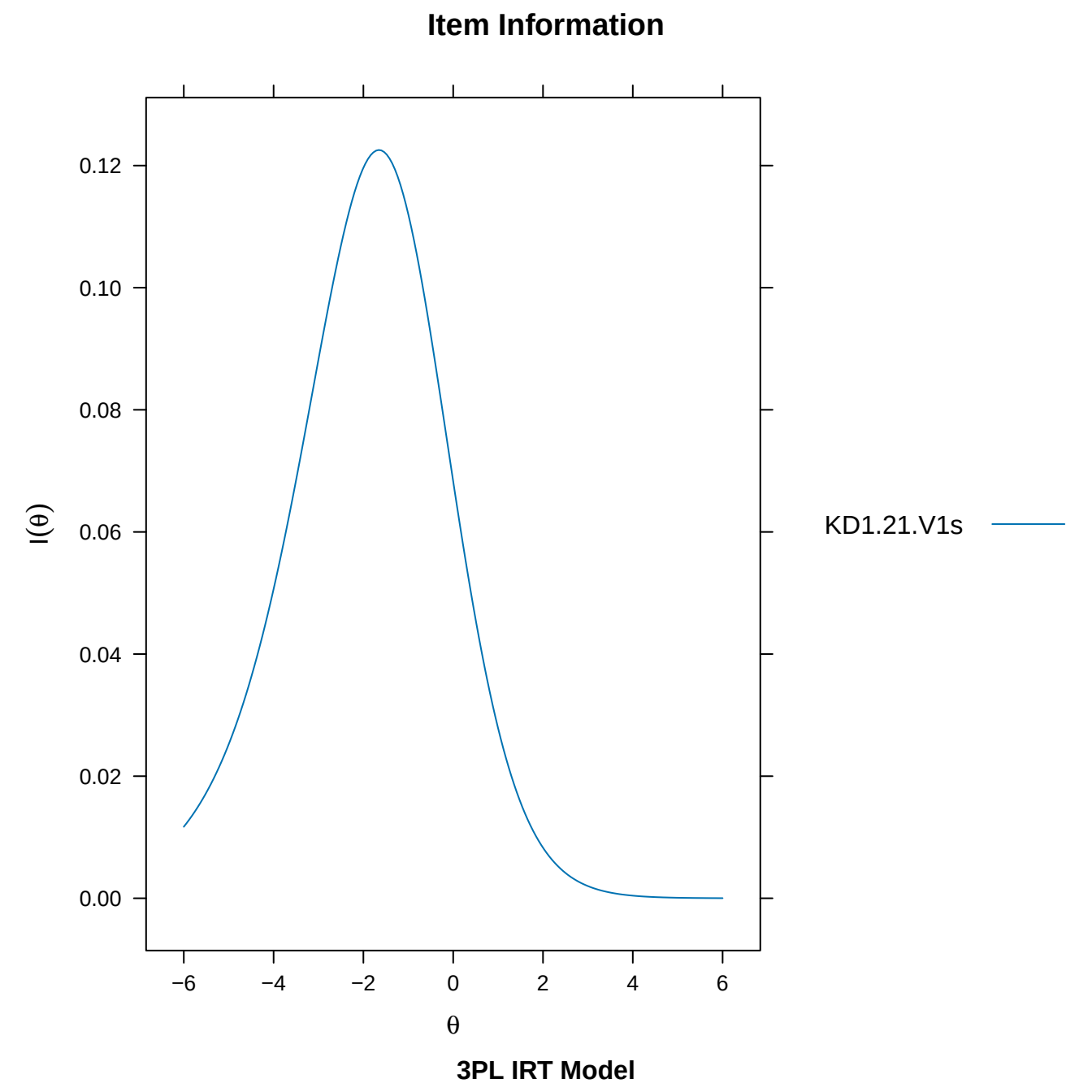

Item Information
2.5
2.0
1.5
1.0
0.5
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.16.V1s
3PL IRT Model

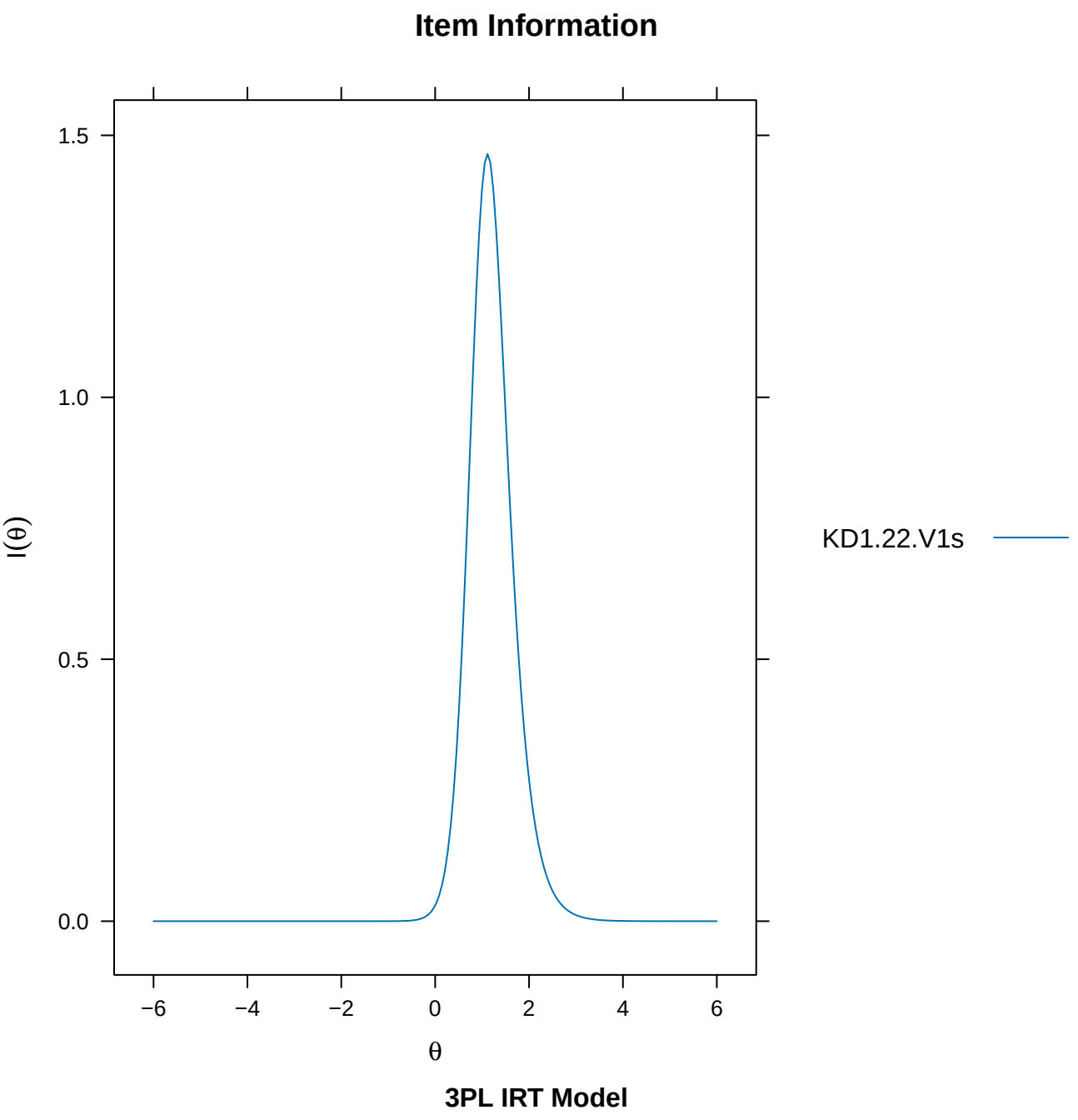

Item Information
1.5
1.0
0.5
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.17.V1s
3PL IRT Model

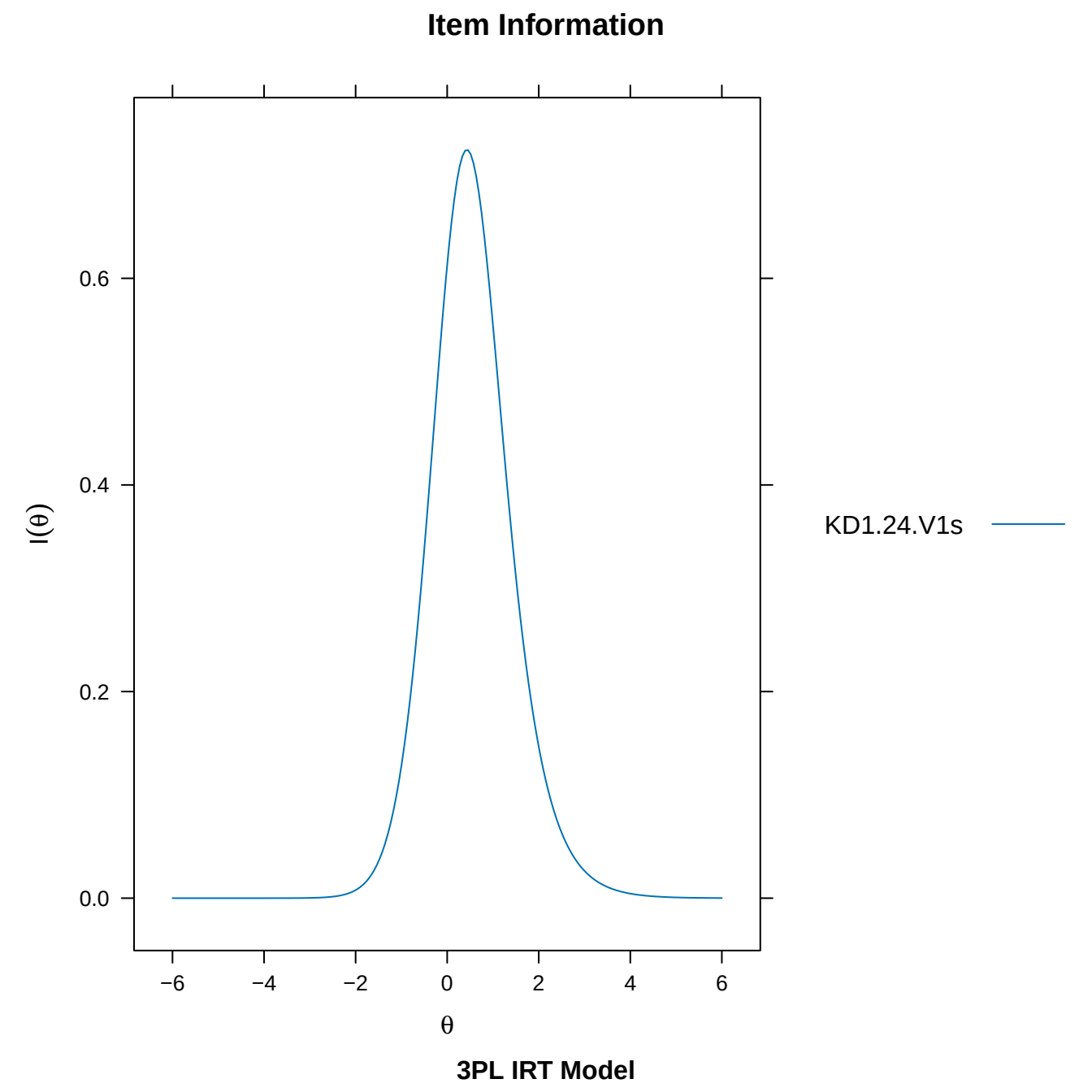

Item Information
1.5
1.0
0.5
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.18.V1s
3PL IRT Model

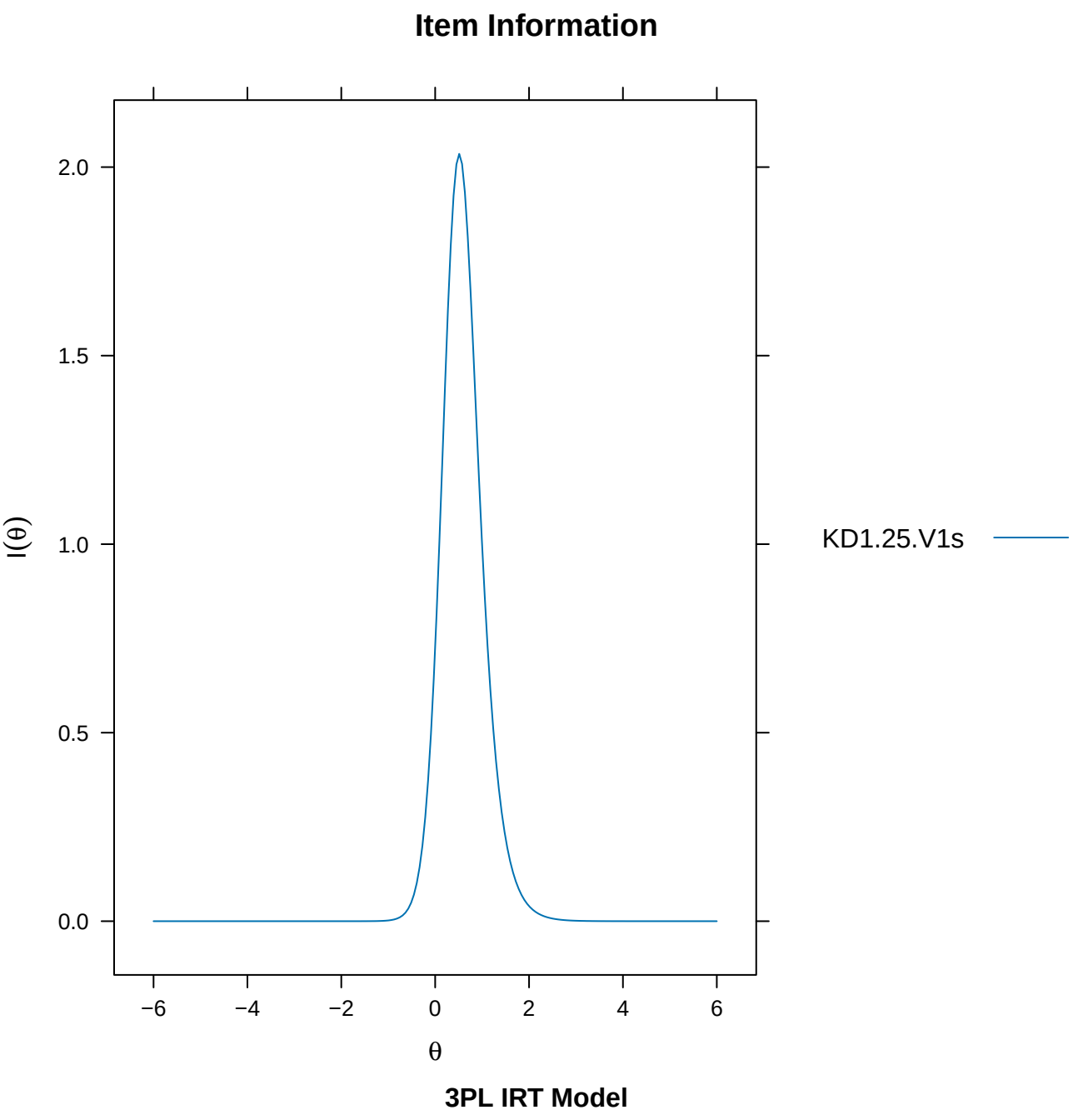

Item Information
2.0
1.5
1.0
0.5
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.19.V1s
3PL IRT Model

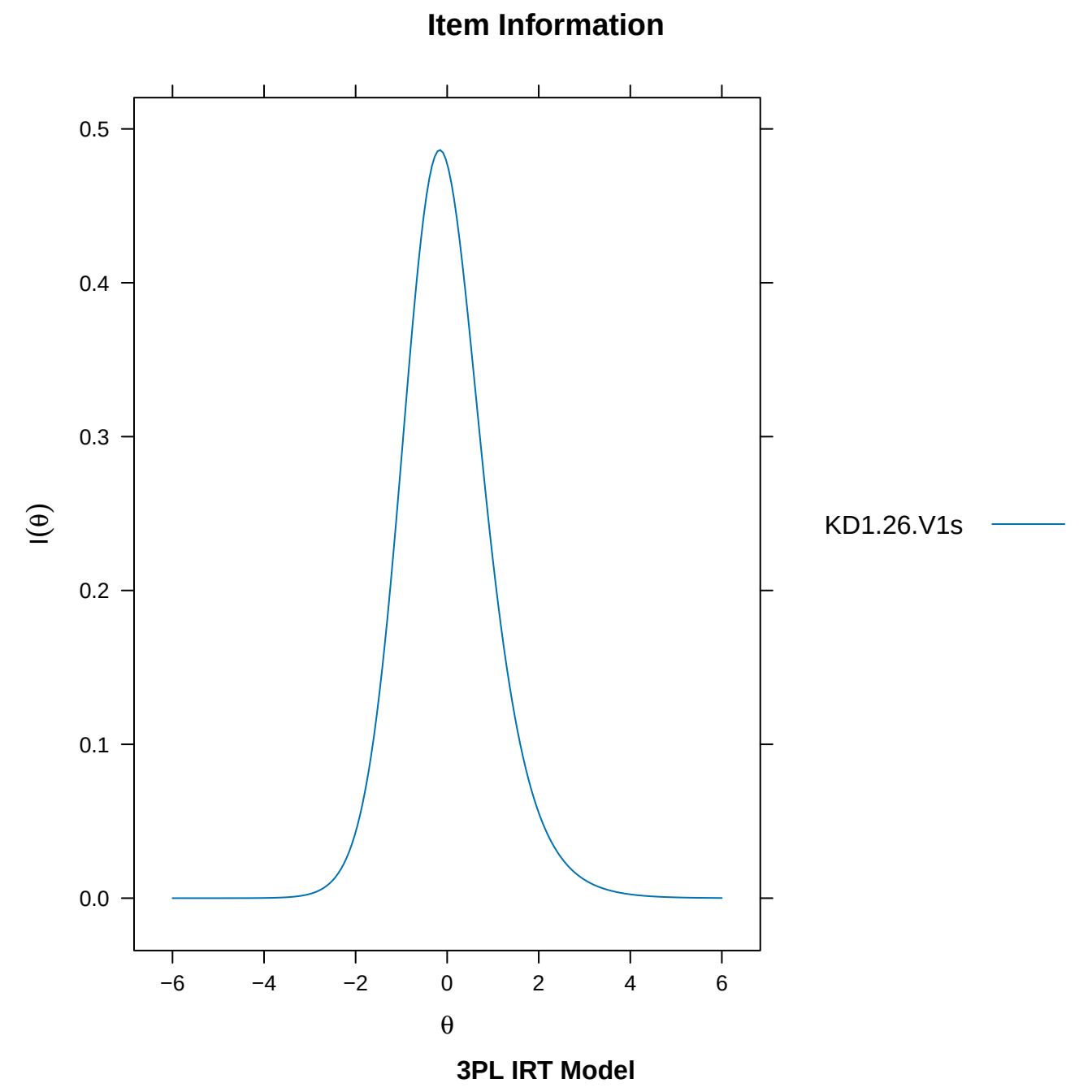

Item Information
I(θ)
0.0
0.2
0.4
0.6
0.8
−6
−4
−2
0
2
4
6
θ
KD1.20.V1s
3PL IRT Model

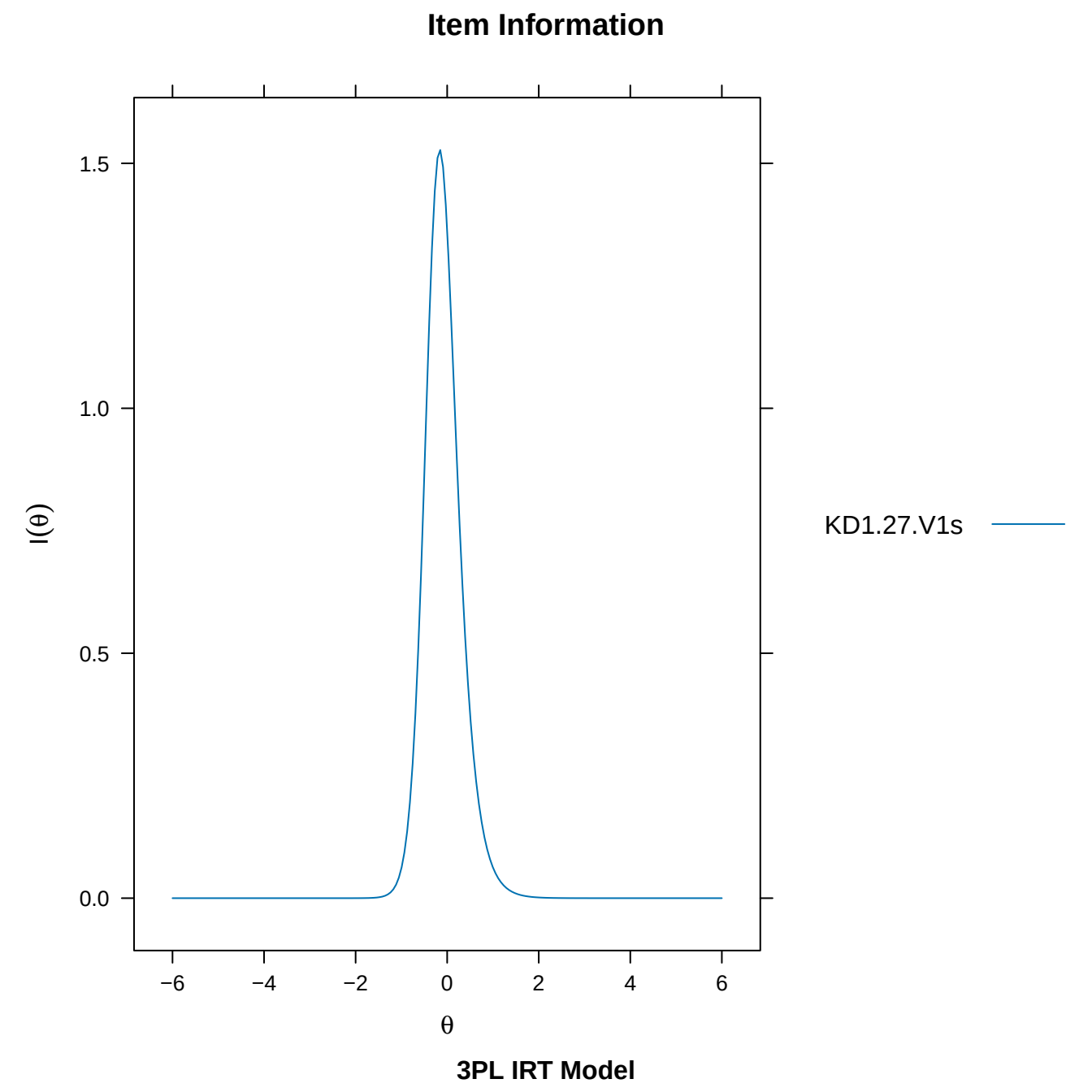

Item Information
0.12
0.10
0.08
0.06
0.04
0.02
0.00
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.21.V1s
3PL IRT Model

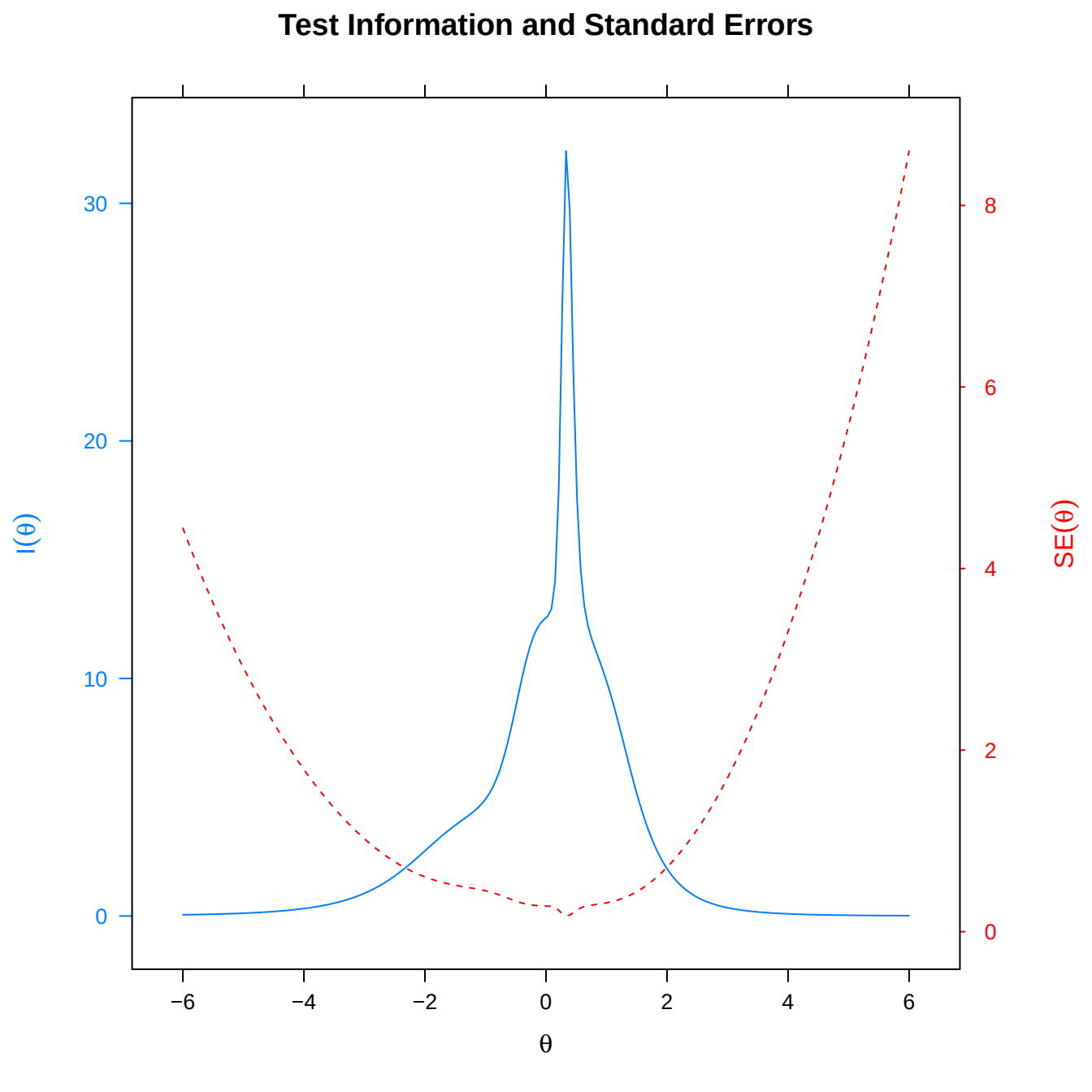

Item Information
1.5
1.0
0.5
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
3PL IRT Model
KD1.22.V1s


Item Information
0.6
0.4
0.2
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
3PL IRT Model
KD1.24.V1s


Item Information
2.0
1.5
1.0
0.5
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.25.V1s
3PL IRT Model


Item Information
0.5
0.4
0.3
0.2
0.1
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
KD1.26.V1s
3PL IRT Model


Item Information
1.5
1.0
0.5
0.0
I(θ)
−6
−4
−2
0
2
4
6
θ
3PL IRT Model
KD1.27.V1s


Test Information and Standard Errors
I(θ)
SE(θ)
θ
30
20
10
0
8
6
4
2
0
−6
−4
−2
0
2
4
6