

Angle T0

degrees

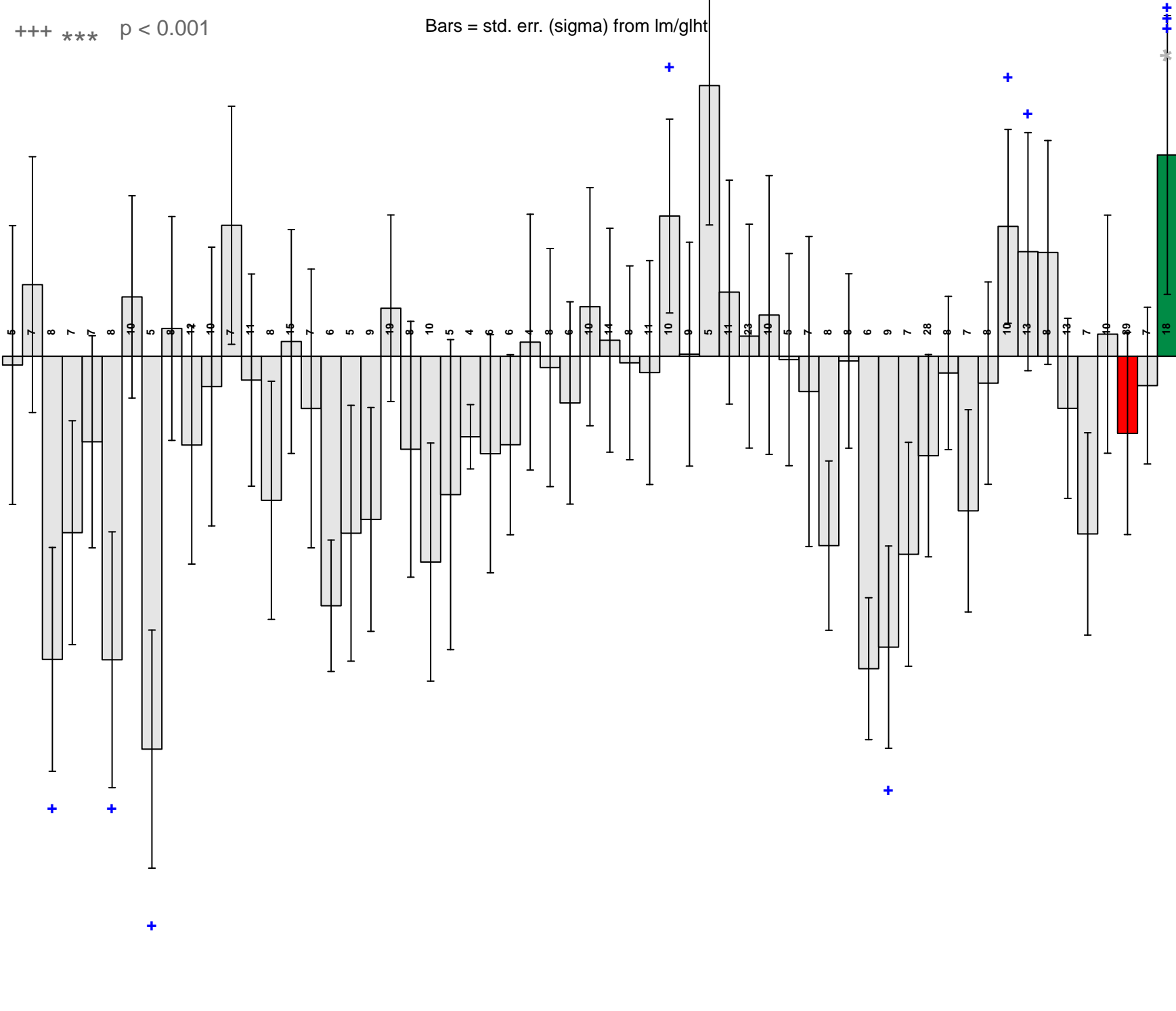
20
10
0
-10
-20
-30

+ * p < 0.05
++ ** p < 0.01
+++ *** p < 0.001

Data filtering: >= 4 roots/IL

Bars = std. err. (sigma) from lm/glht

IL10-1
IL10-1-1
IL10-2
IL10-2-2
IL10-3
IL11-1
IL11-2
IL11-4
IL11-4-1
IL12-1
IL12-1-1
IL12-2
IL12-3
IL12-3-1
IL12-4
IL12-4-1
IL1-1-2
IL1-3
IL1-4
IL1-4-18
IL2-1
IL2-1-1
IL2-2
IL2-3
IL2-4
IL2-6-5
IL3-1
IL3-5
IL4-1
IL4-1-1
IL4-3
IL4-3-2
IL4-4
IL5-1
IL5-2
IL5-3
IL5-5
IL6-1
IL6-2
IL6-4
IL7-1
IL7-3
IL7-4
IL7-4-1
IL7-5
IL7-5-1
IL7-5-5
IL8-1
IL8-1-1
IL8-1-5
IL8-3
IL9-1
IL9-1-2
IL9-2
IL9-2-6
IL9-3-1
M82
IL7-5-P5
PENN



Angle T1

degrees

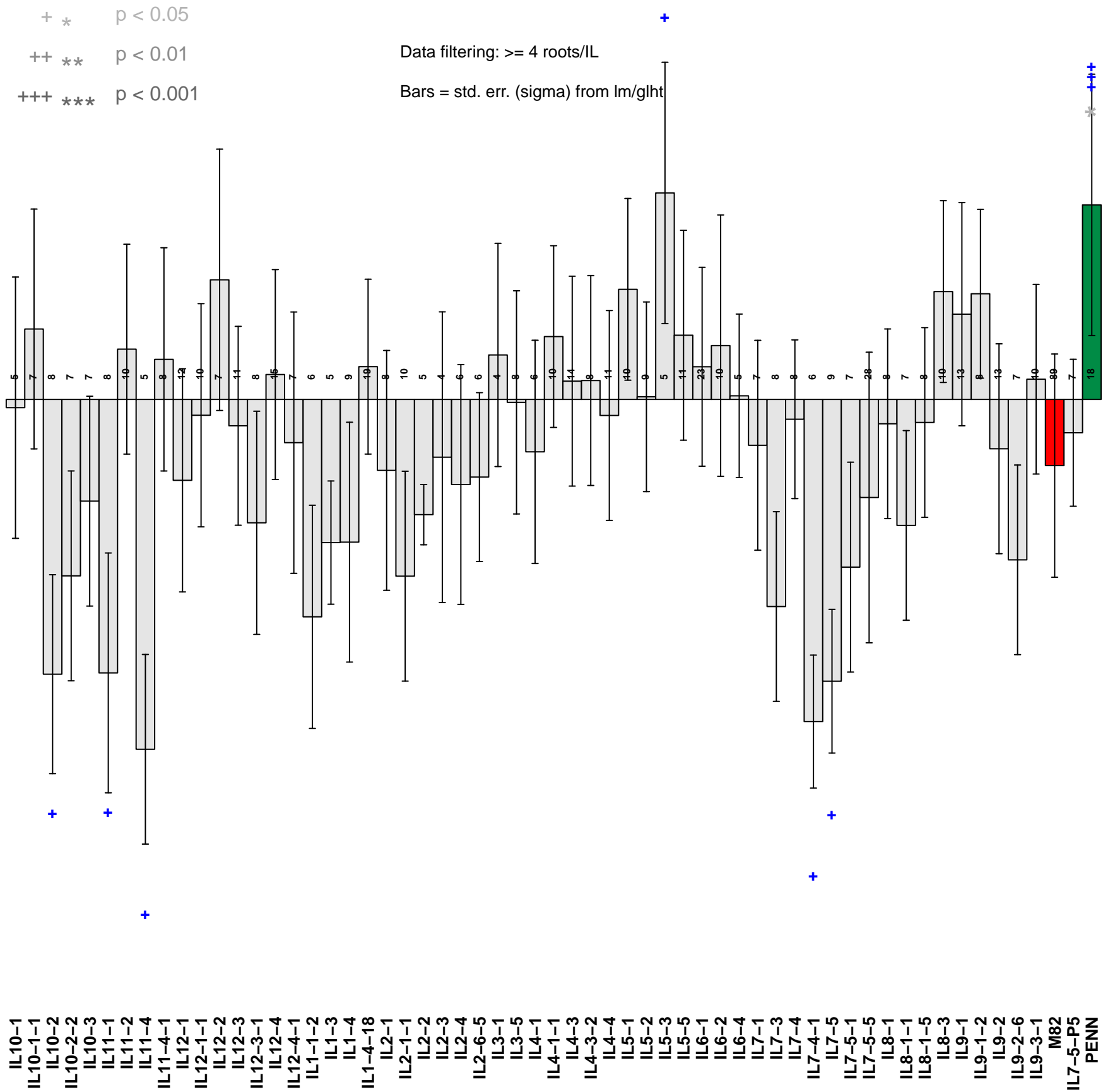
20
10
0
-10
-20
-30

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht

IL10-1
IL10-1-1
IL10-2
IL10-2-2
IL10-3
IL11-1
IL11-2
IL11-4
IL11-4-1
IL12-1
IL12-1-1
IL12-2
IL12-3
IL12-3-1
IL12-4
IL12-4-1
IL1-1-2
IL1-3
IL1-4
IL1-4-18
IL2-1
IL2-1-1
IL2-2
IL2-3
IL2-4
IL2-6-5
IL3-1
IL3-5
IL4-1
IL4-1-1
IL4-3
IL4-3-2
IL4-4
IL5-1
IL5-2
IL5-3
IL5-5
IL6-1
IL6-2
IL6-4
IL7-1
IL7-3
IL7-4
IL7-4-1
IL7-5
IL7-5-1
IL7-5-5
IL8-1
IL8-1-1
IL8-1-5
IL8-3
IL9-1
IL9-1-2
IL9-2
IL9-2-6
IL9-3-1
M82
IL7-5-P5
PENN



Angle T2

degrees

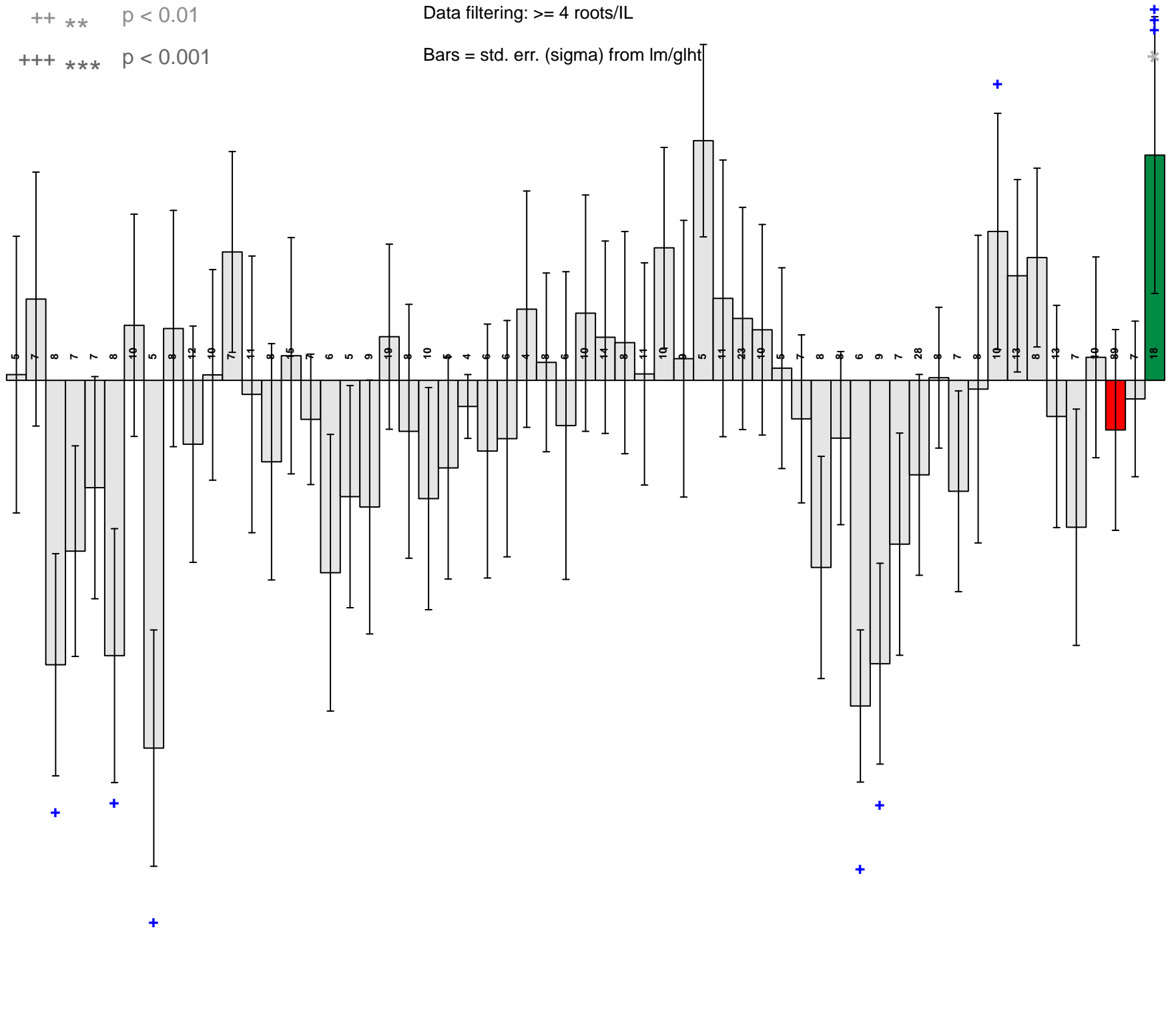
20
10
0
-10
-20
-30

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht

IL10-1
IL10-1-1
IL10-2
IL10-2-2
IL10-3
IL11-1
IL11-2
IL11-4
IL11-4-1
IL12-1
IL12-1-1
IL12-2
IL12-3
IL12-3-1
IL12-4
IL12-4-1
IL1-1-2
IL1-3
IL1-4
IL1-4-18
IL2-1
IL2-1-1
IL2-2
IL2-3
IL2-4
IL2-6-5
IL3-1
IL3-5
IL4-1
IL4-1-1
IL4-3
IL4-3-2
IL4-4
IL5-1
IL5-2
IL5-3
IL5-5
IL6-1
IL6-2
IL6-4
IL7-1
IL7-3
IL7-4
IL7-4-1
IL7-5
IL7-5-1
IL7-5-5
IL8-1
IL8-1-1
IL8-1-5
IL8-3
IL9-1
IL9-1-2
IL9-2
IL9-2-6
IL9-3-1
M82
IL7-5-P5
PENN



Angle T3

degrees

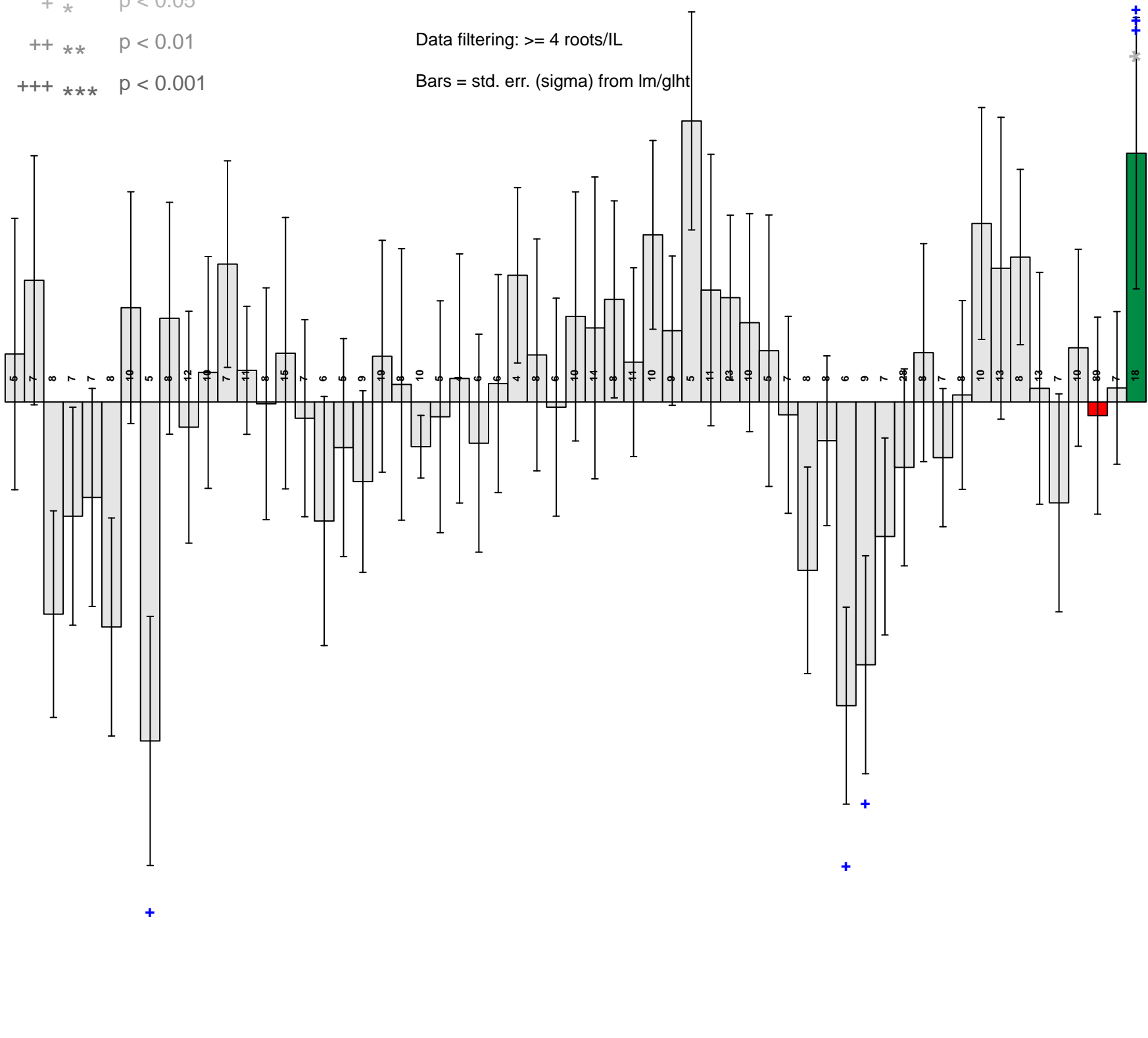
20
10
0
-10
-20
-30

+ * p < 0.05
++ ** p < 0.01
+++ *** p < 0.001

Data filtering: >= 4 roots/IL

Bars = std. err. (sigma) from lm/glht

IL10-1
IL10-1-1
IL10-2
IL10-2-2
IL10-3
IL11-1
IL11-2
IL11-4
IL11-4-1
IL12-1
IL12-1-1
IL12-2
IL12-3
IL12-3-1
IL12-4
IL12-4-1
IL11-1-2
IL1-3
IL1-4
IL1-4-18
IL2-1
IL2-1-1
IL2-2
IL2-3
IL2-4
IL2-6-5
IL3-1
IL3-5
IL4-1
IL4-1-1
IL4-3
IL4-3-2
IL4-4
IL5-1
IL5-2
IL5-3
IL5-5
IL6-1
IL6-2
IL6-4
IL7-1
IL7-3
IL7-4
IL7-4-1
IL7-5
IL7-5-1
IL7-5-5
IL8-1
IL8-1-1
IL8-1-5
IL8-3
IL9-1
IL9-1-2
IL9-2
IL9-2-6
IL9-3-1
M82
IL7-5-P5
PENN



Angle T4

degrees

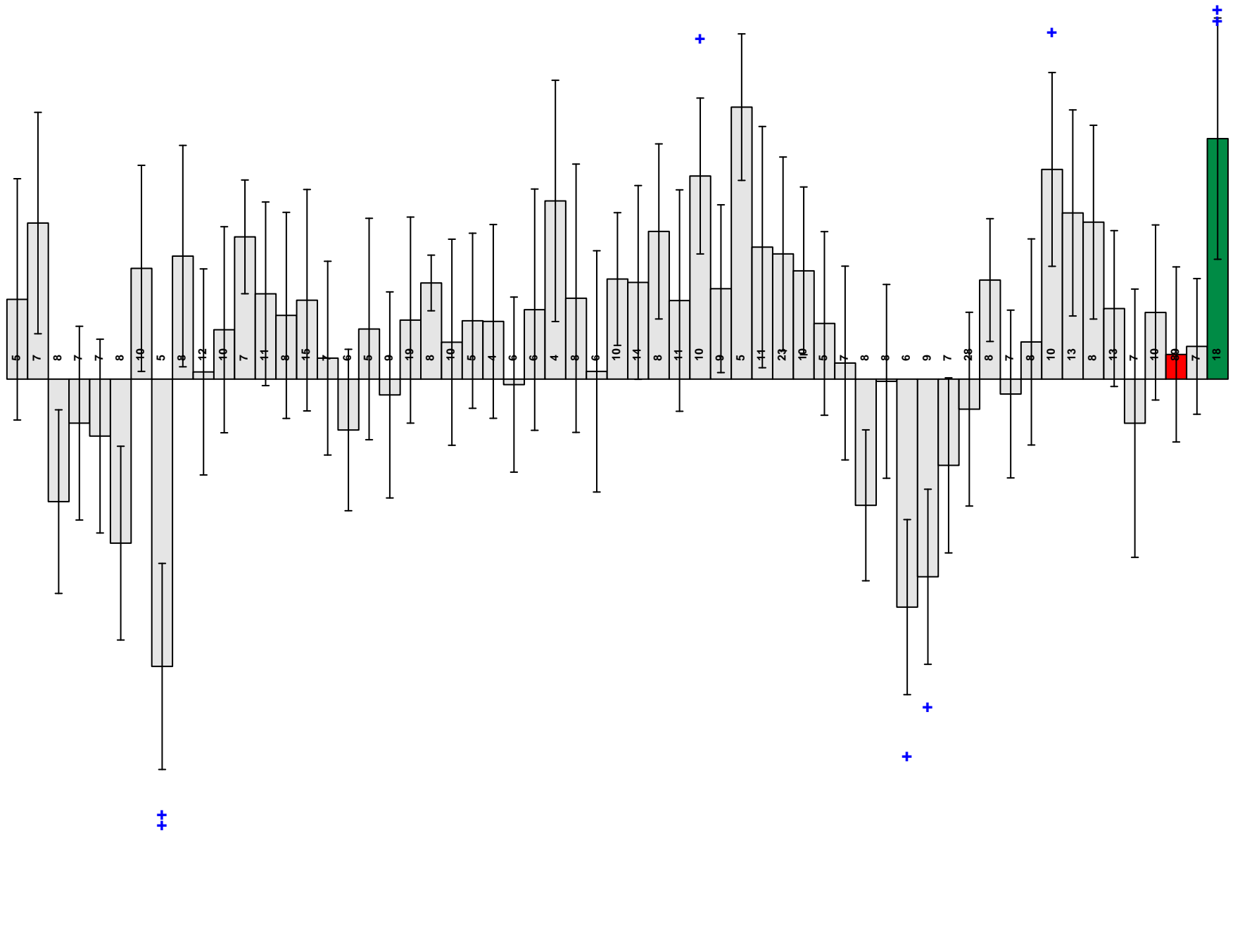
30
20
10
0
-10
-20
-30

+ * p < 0.05
++ ** p < 0.01
+++ *** p < 0.001

Data filtering: >= 4 roots/IL

Bars = std. err. (sigma) from lm/glht

IL10-1
IL10-1-1
IL10-2
IL10-2-2
IL10-3
IL11-1
IL11-2
IL11-4
IL11-4-1
IL12-1
IL12-1-1
IL12-2
IL12-3
IL12-3-1
IL12-4
IL12-4-1
IL1-1-2
IL1-3
IL1-4
IL1-4-18
IL2-1
IL2-1-1
IL2-2
IL2-3
IL2-4
IL2-6-5
IL3-1
IL3-5
IL4-1
IL4-1-1
IL4-3
IL4-3-2
IL4-4
IL5-1
IL5-2
IL5-3
IL5-5
IL6-1
IL6-2
IL6-4
IL7-1
IL7-3
IL7-4
IL7-4-1
IL7-5
IL7-5-1
IL7-5-5
IL8-1
IL8-1-1
IL8-1-5
IL8-3
IL9-1
IL9-1-2
IL9-2
IL9-2-6
IL9-3-1
M82
IL7-5-P5
PENN



Angle T5

degrees

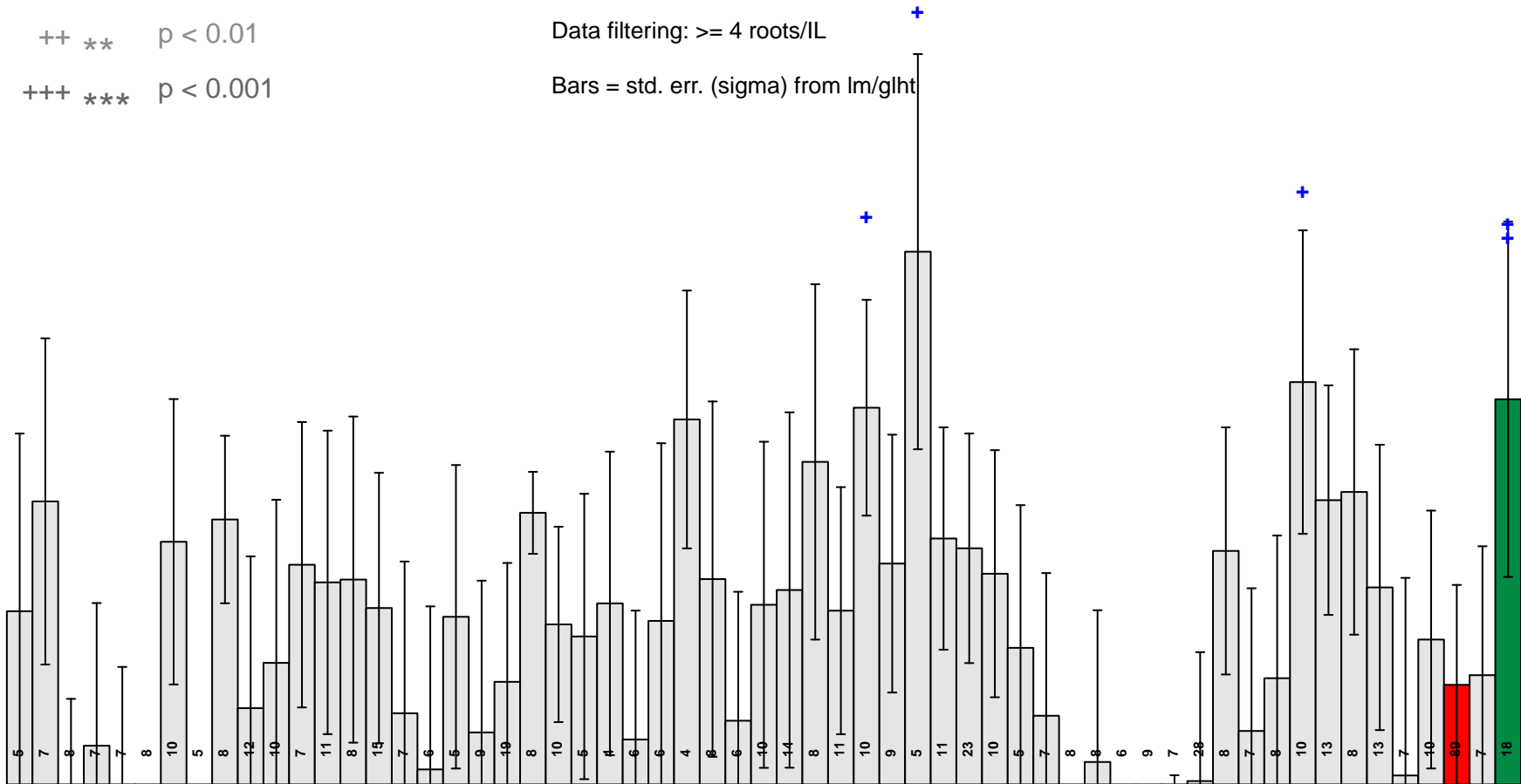
30
20
10
0
-10
-20

+ * p < 0.05
++ ** p < 0.01
+++ *** p < 0.001

Data filtering: >= 4 roots/IL

Bars = std. err. (sigma) from lm/glht

IL10-1
IL10-1-1
IL10-2
IL10-2-2
IL10-3
IL11-1
IL11-2
IL11-4
IL11-4-1
IL12-1
IL12-1-1
IL12-2
IL12-3
IL12-3-1
IL12-4
IL12-4-1
IL1-1-2
IL1-3
IL1-4
IL1-4-18
IL2-1
IL2-1-1
IL2-2
IL2-3
IL2-4
IL2-6-5
IL3-1
IL3-5
IL4-1
IL4-1-1
IL4-3
IL4-3-2
IL4-4
IL5-1
IL5-2
IL5-3
IL5-5
IL6-1
IL6-2
IL6-4
IL7-1
IL7-3
IL7-4
IL7-4-1
IL7-5
IL7-5-1
IL7-5-5
IL8-1
IL8-1-1
IL8-1-5
IL8-3
IL9-1
IL9-1-2
IL9-2
IL9-2-6
IL9-3-1
M82
IL7-5-P5
PENN



Angle T6

degrees

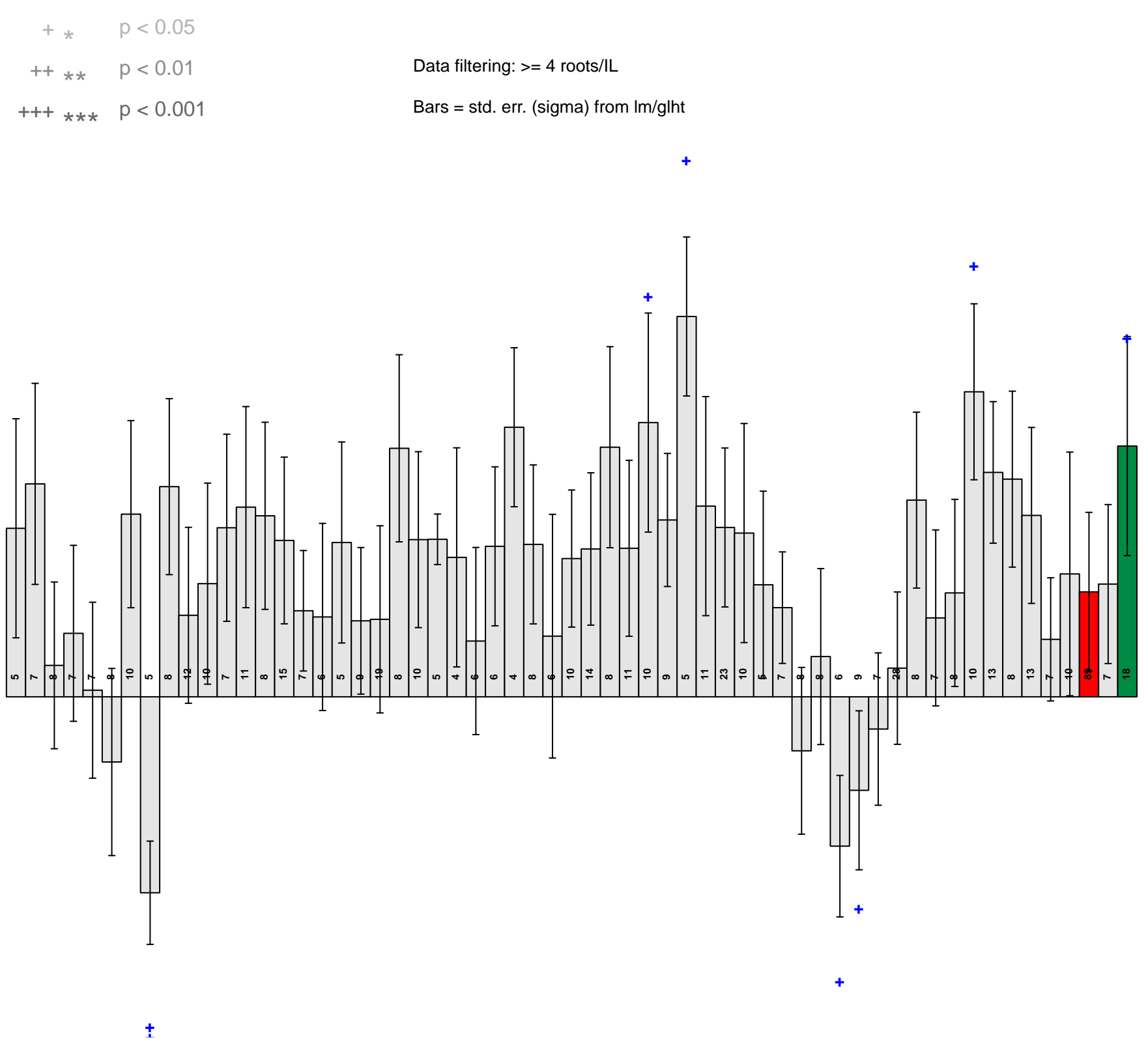
40
30
20
10
0
-10
-20

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht

IL10-1
IL10-1-1
IL10-2
IL10-2-2
IL10-3
IL11-1
IL11-2
IL11-4
IL11-4-1
IL12-1
IL12-1-1
IL12-2
IL12-3
IL12-3-1
IL12-4
IL12-4-1
IL1-1-2
IL1-3
IL1-4
IL1-4-18
IL2-1
IL2-1-1
IL2-2
IL2-3
IL2-4
IL2-6-5
IL3-1
IL3-5
IL4-1
IL4-1-1
IL4-3
IL4-3-2
IL4-4
IL5-1
IL5-2
IL5-3
IL5-5
IL6-1
IL6-2
IL6-4
IL7-1
IL7-3
IL7-4
IL7-4-1
IL7-5
IL7-5-1
IL7-5-5
IL8-1
IL8-1-1
IL8-1-5
IL8-3
IL9-1
IL9-1-2
IL9-2
IL9-2-6
IL9-3-1
M82
IL7-5-P5
PENN



Angle T7

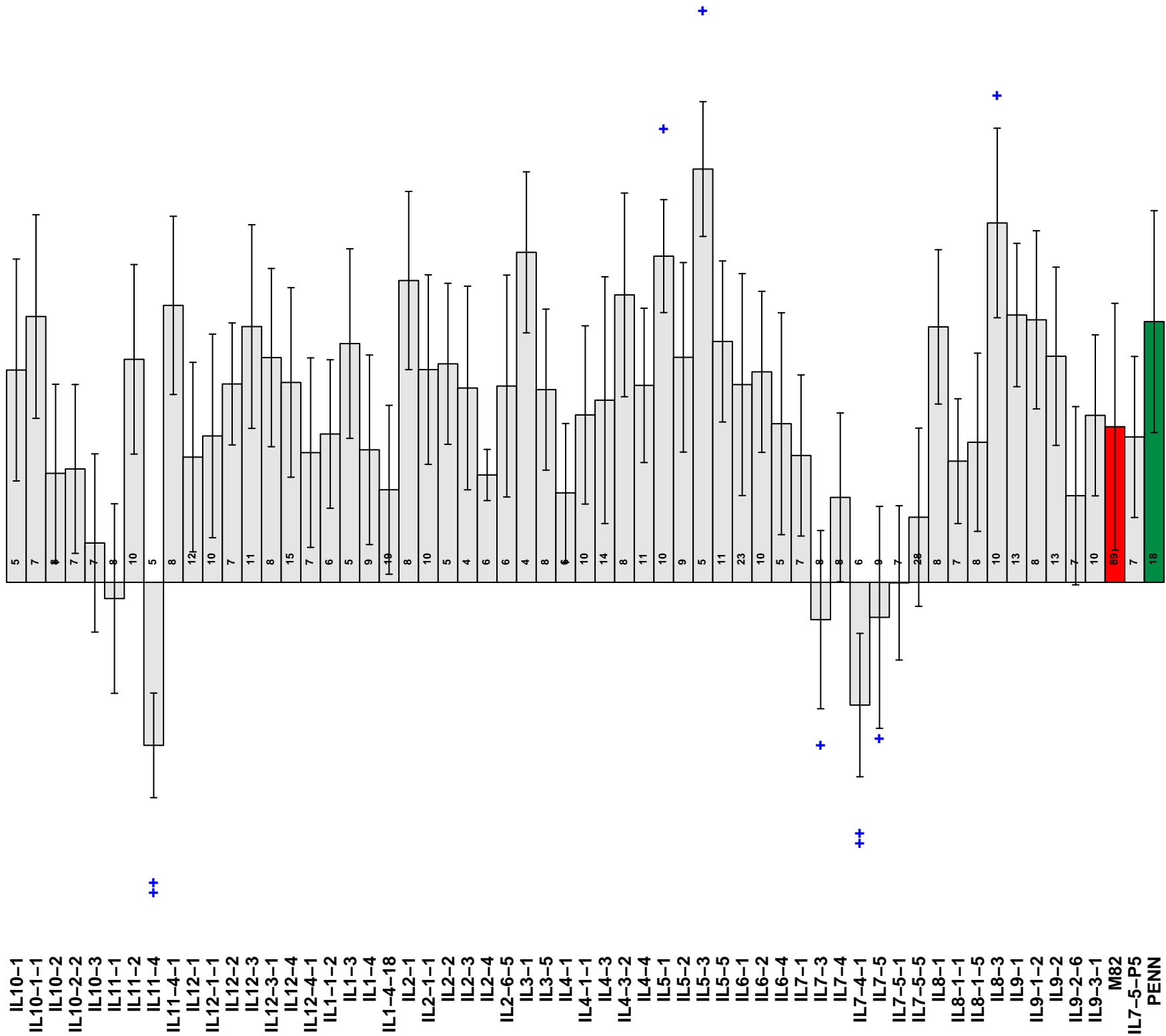
degrees

40
30
20
10
0
-10
-20

+ * p < 0.05
++ ** p < 0.01
+++ *** p < 0.001

Data filtering: >= 4 roots/IL

Bars = std. err. (sigma) from lm/glht

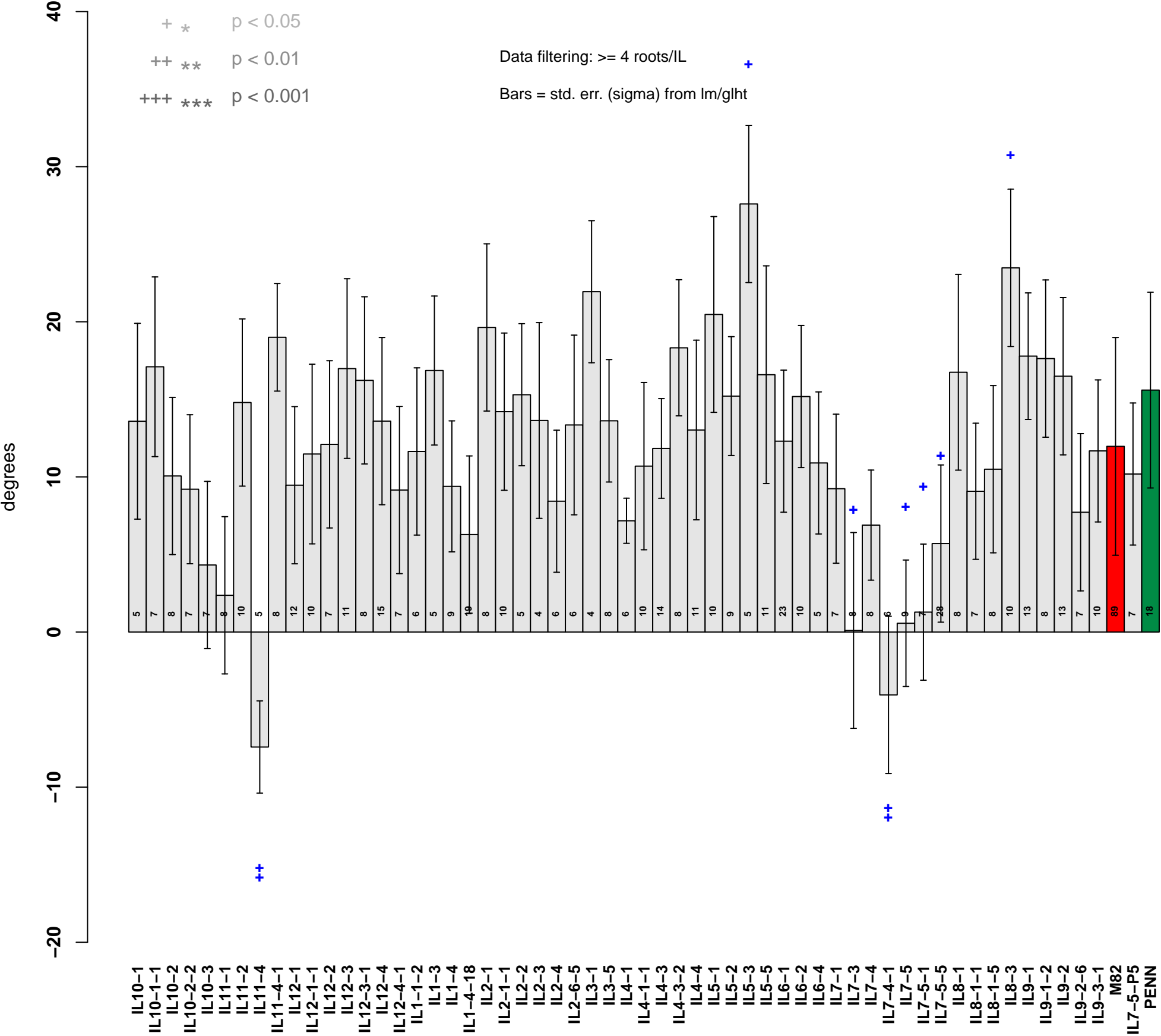


Angle T8

+ * p < 0.05
++ ** p < 0.01
+++ *** p < 0.001

Data filtering: >= 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T9

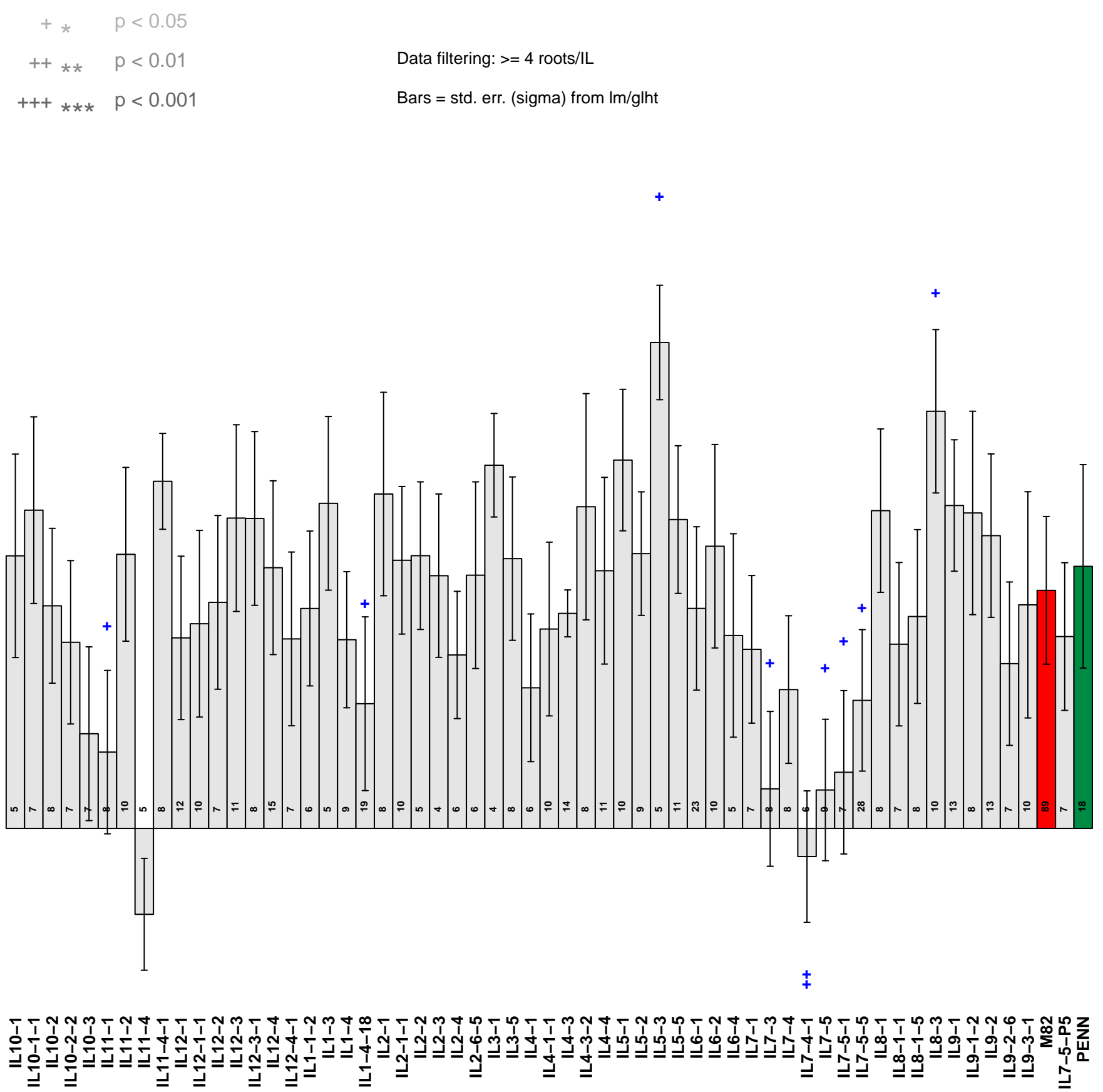
degrees

50
40
30
20
10
0
-10

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T10

degrees

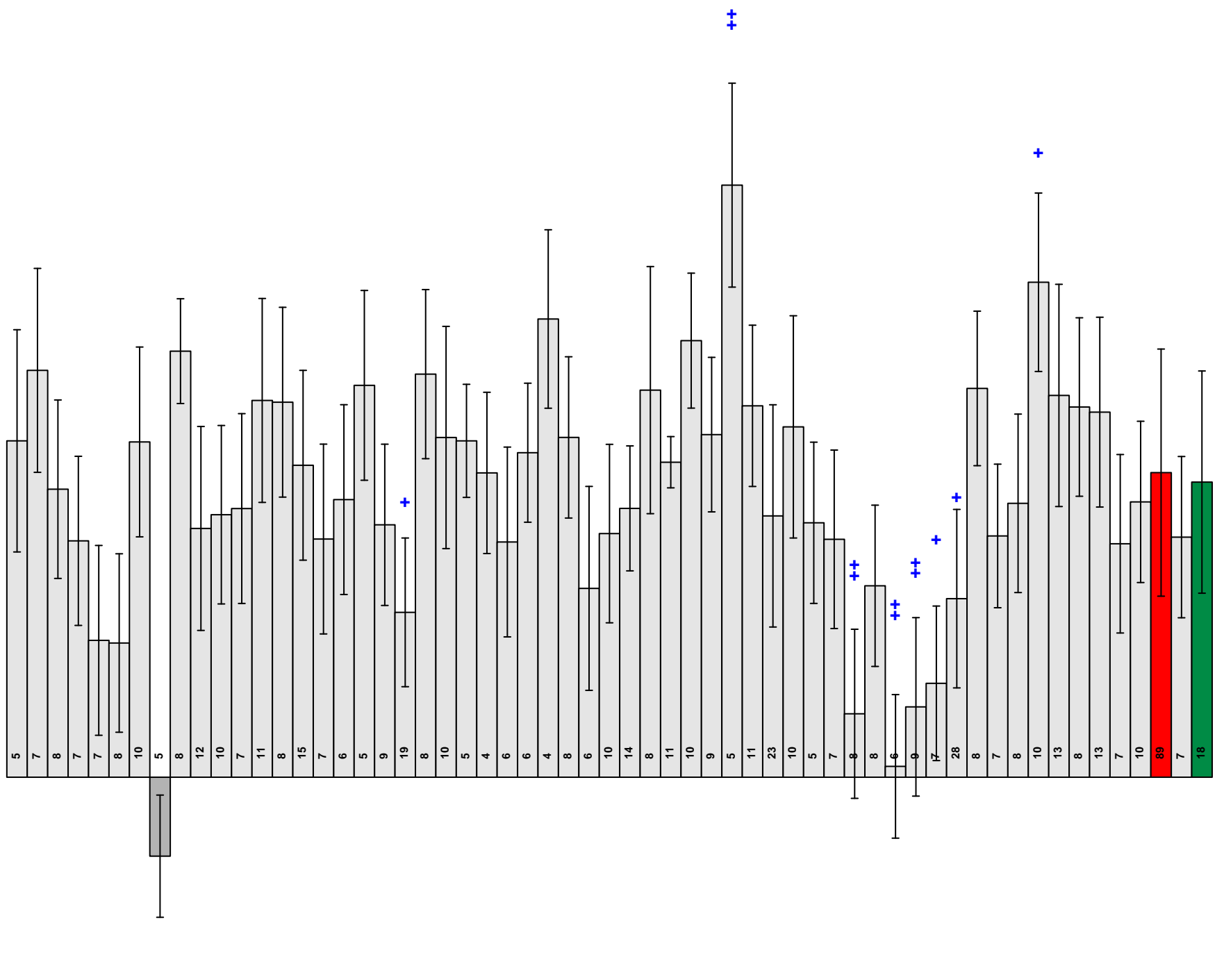
50
40
30
20
10
0
-10

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

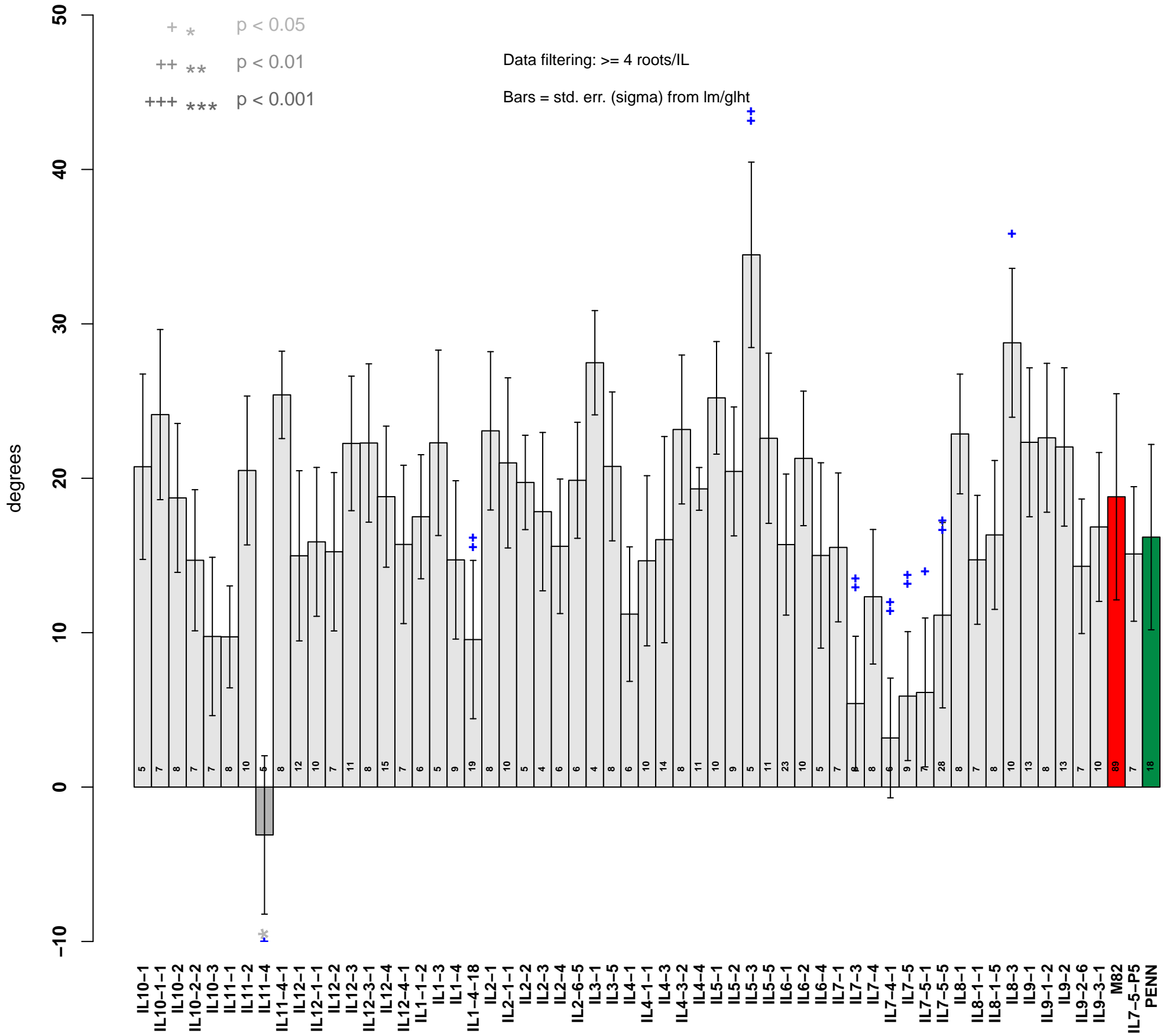
Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht

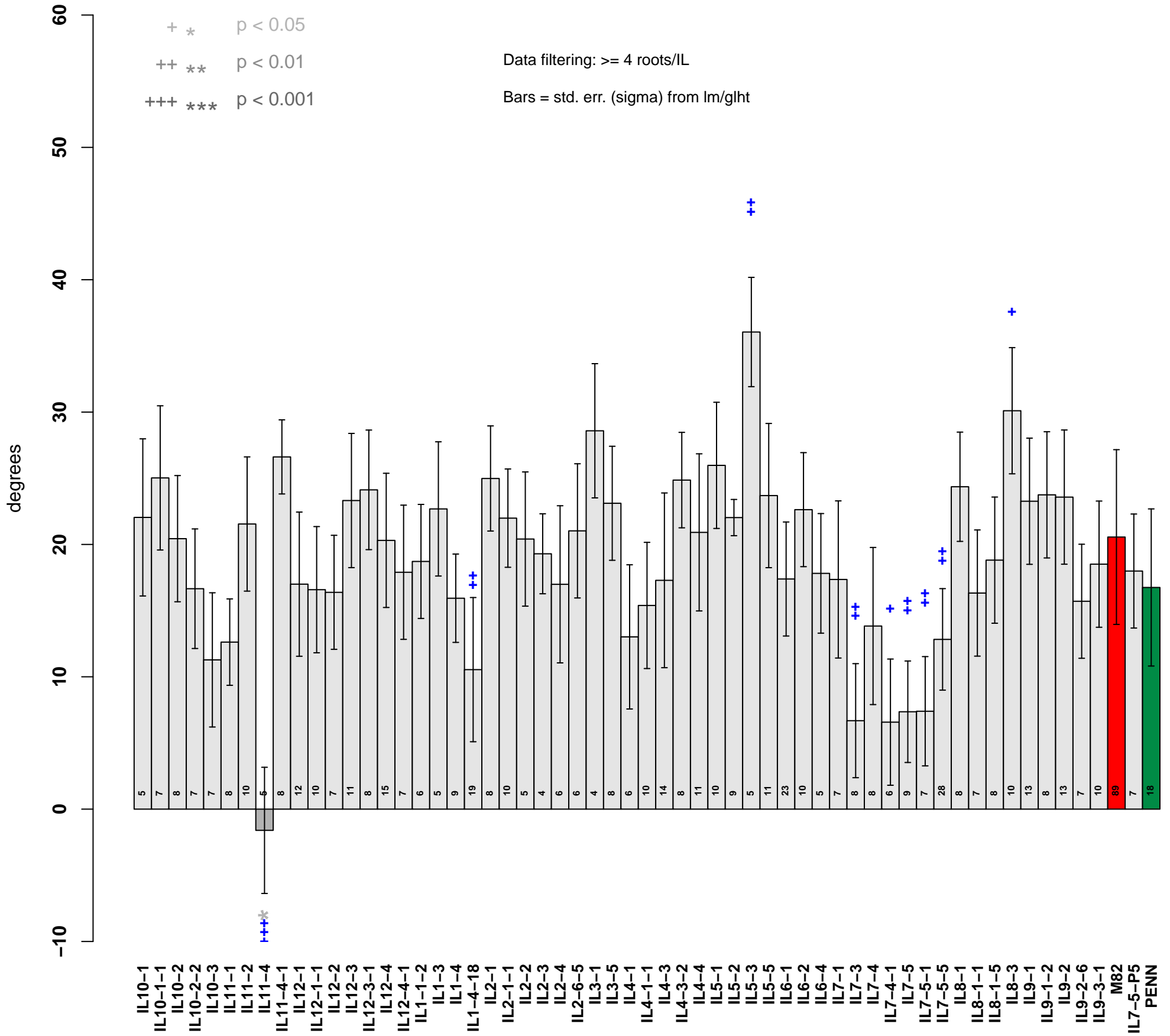
IL10-1
IL10-1-1
IL10-2
IL10-2-2
IL10-3
IL11-1
IL11-2
IL11-4
IL11-4-1
IL12-1
IL12-1-1
IL12-2
IL12-3
IL12-3-1
IL12-4
IL12-4-1
IL1-1-2
IL1-3
IL1-4
IL1-4-18
IL2-1
IL2-1-1
IL2-2
IL2-3
IL2-4
IL2-6-5
IL3-1
IL3-5
IL4-1
IL4-1-1
IL4-3
IL4-3-2
IL4-4
IL5-1
IL5-2
IL5-3
IL5-5
IL6-1
IL6-2
IL6-4
IL7-1
IL7-3
IL7-4
IL7-4-1
IL7-5
IL7-5-1
IL7-5-5
IL8-1
IL8-1-1
IL8-1-5
IL8-3
IL9-1
IL9-1-2
IL9-2
IL9-2-6
IL9-3-1
M82
IL7-5-P5
PENN



Angle T11



Angle T12



Angle T13

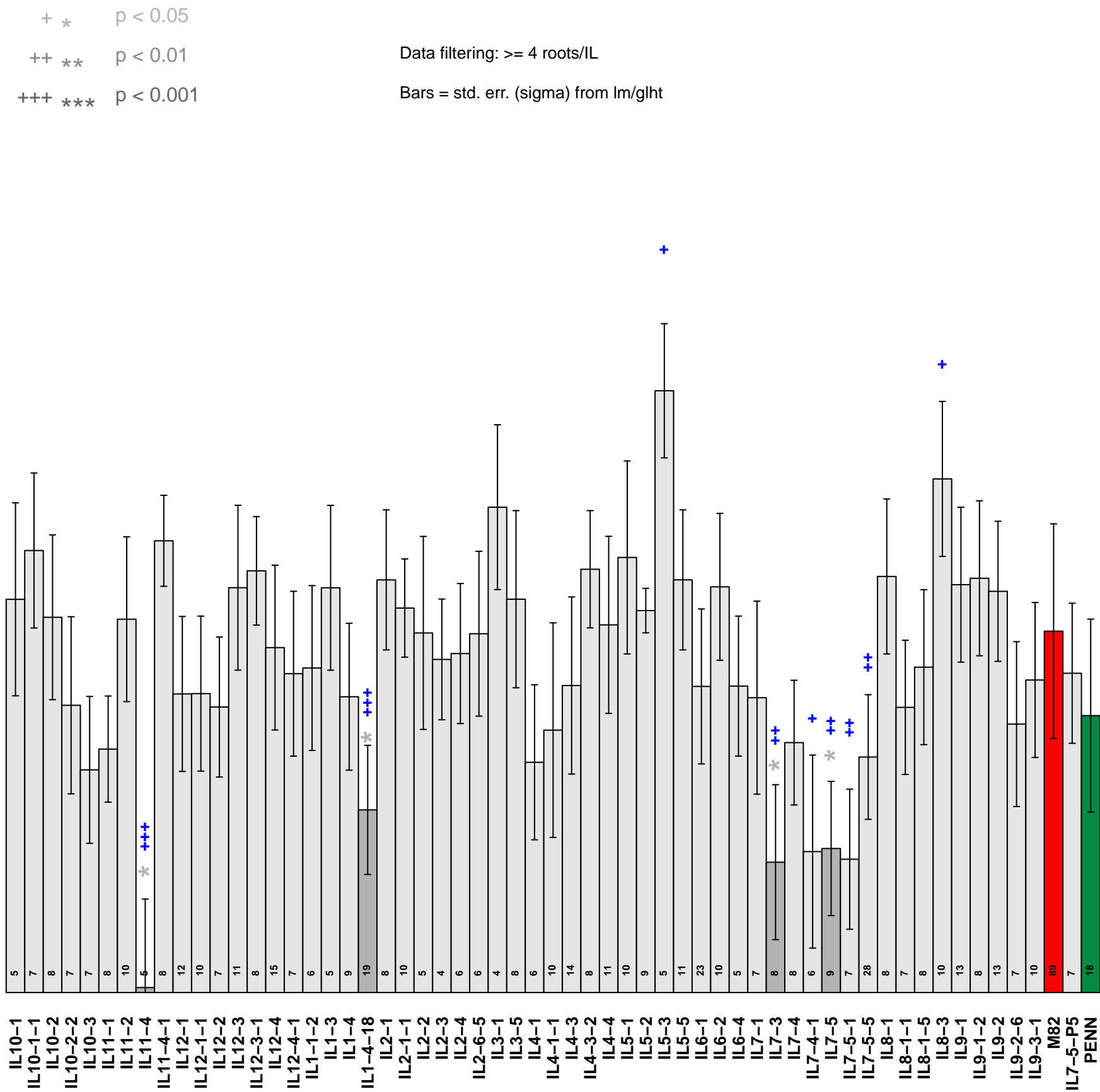
degrees

60
50
40
30
20
10
0

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T14

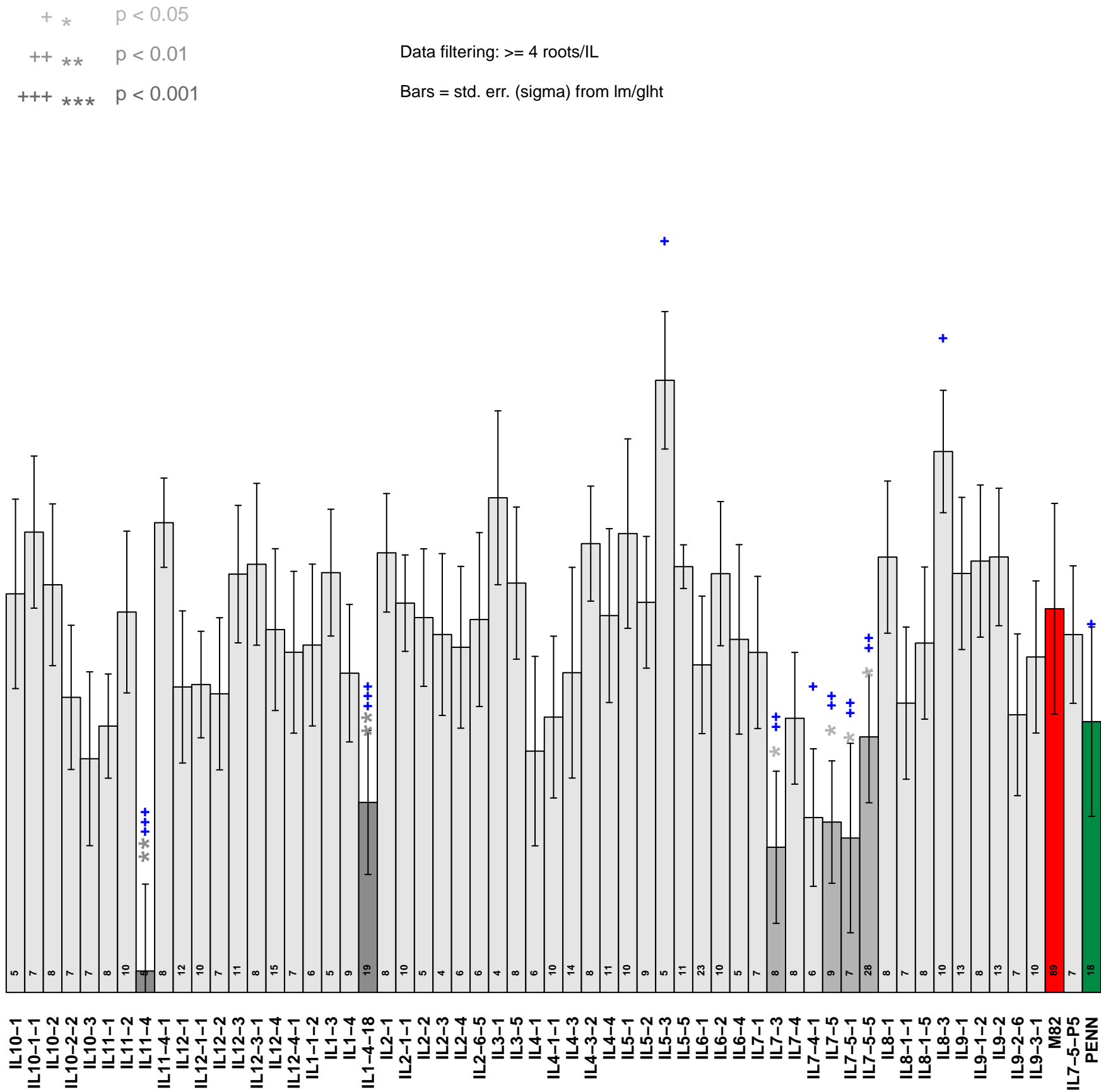
degrees

60
50
40
30
20
10
0

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T15

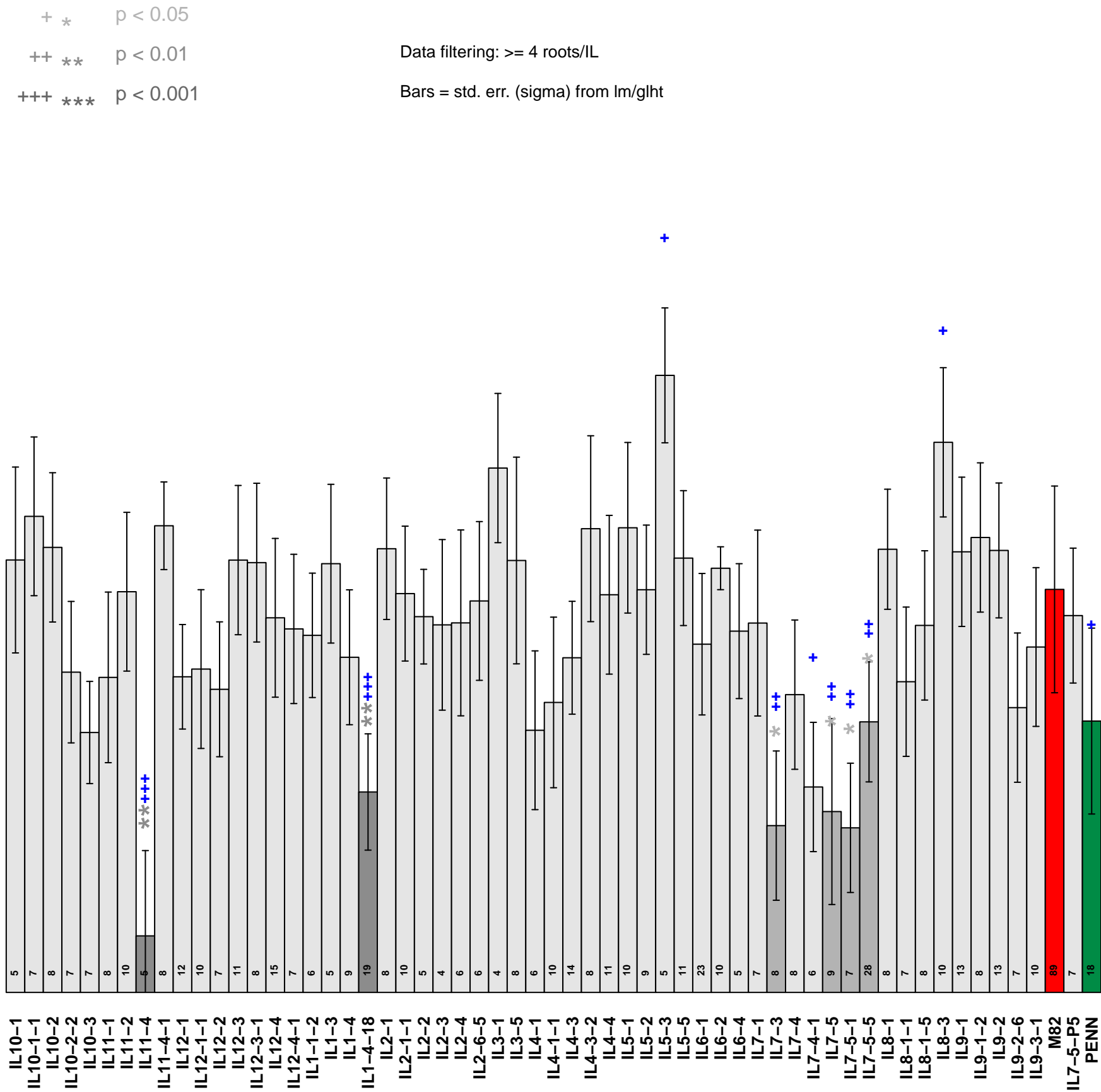
degrees

60
50
40
30
20
10
0

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T16

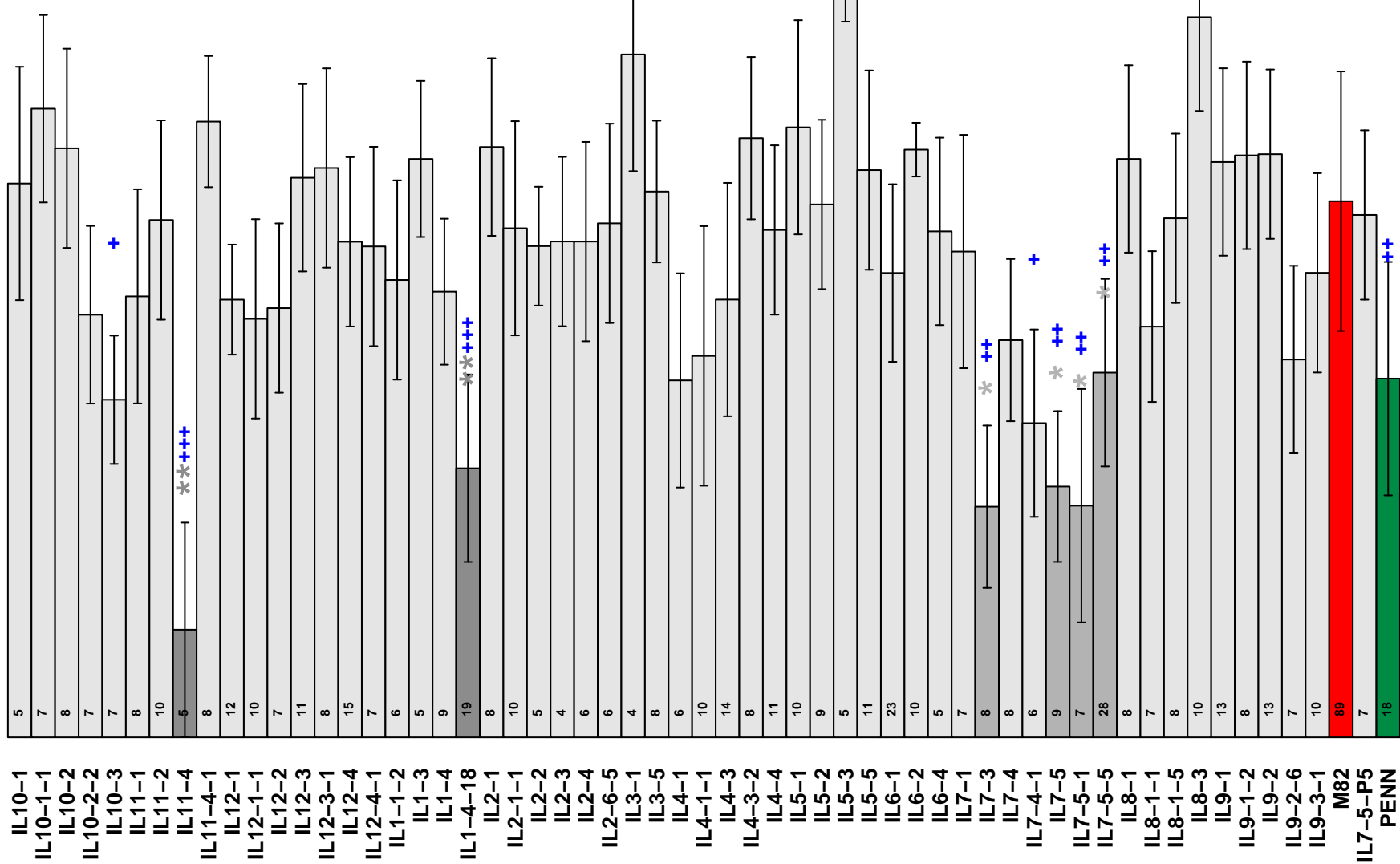
degrees

60
50
40
30
20
10
0

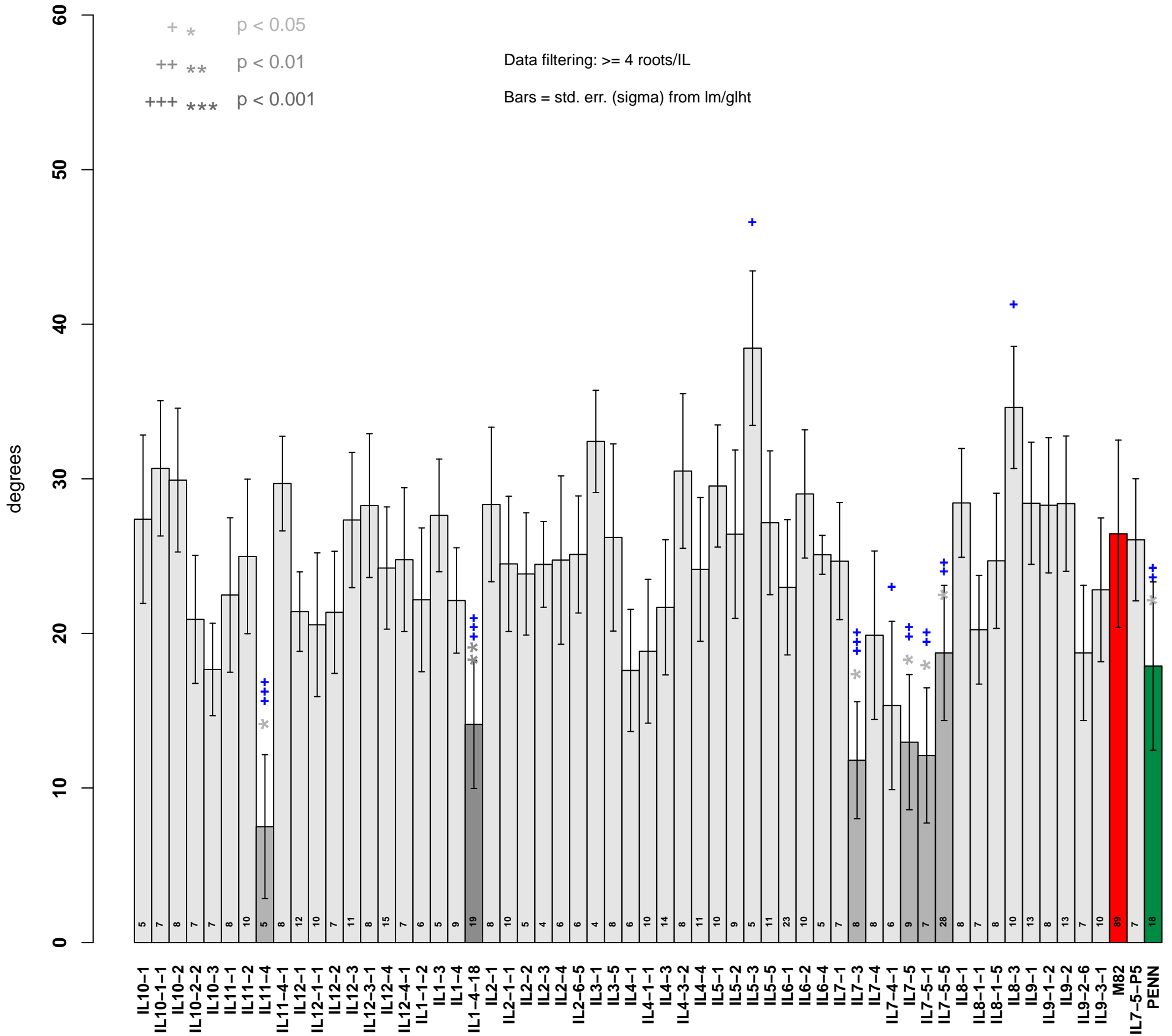
+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

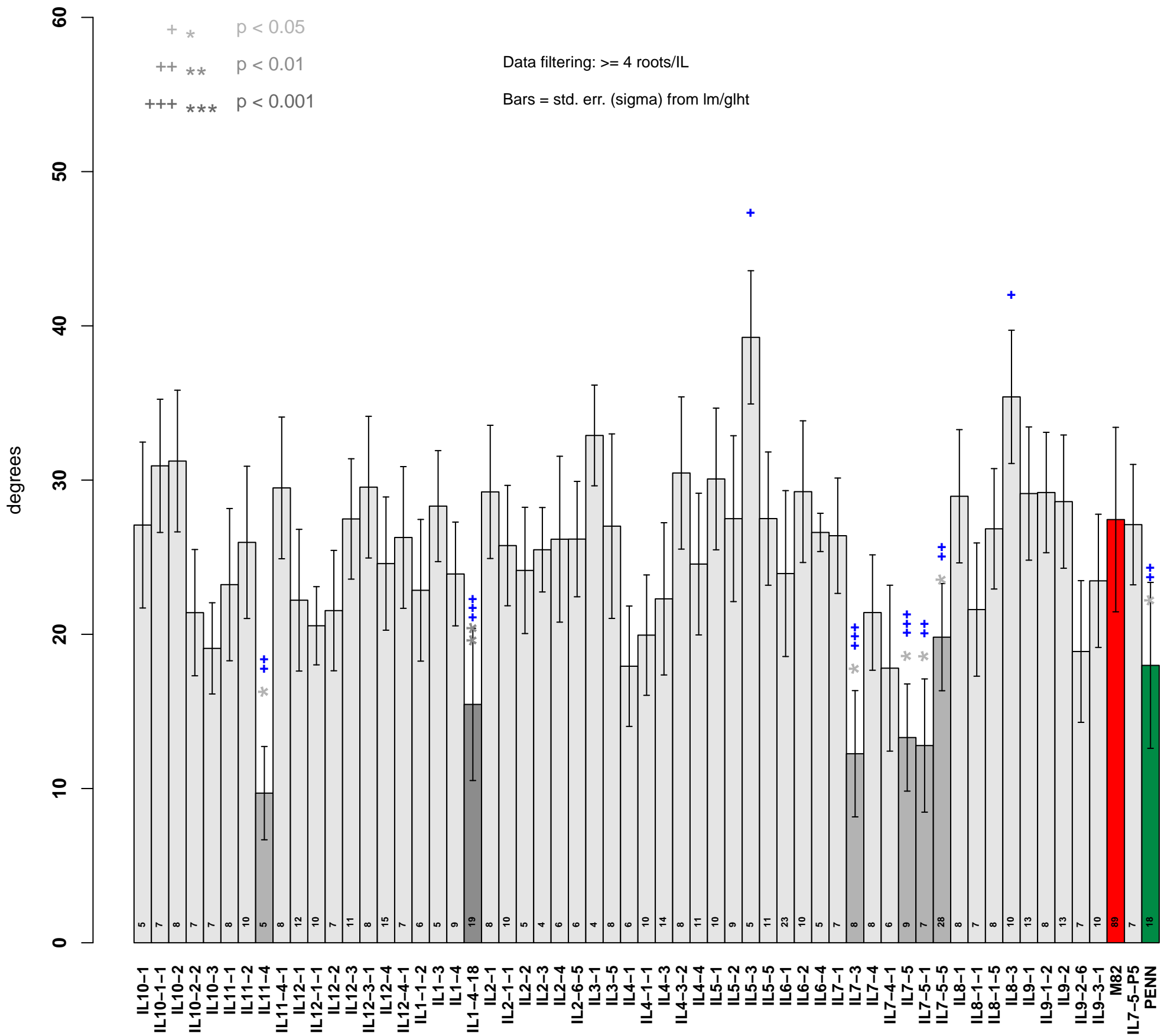
Bars = std. err. (sigma) from lm/glht



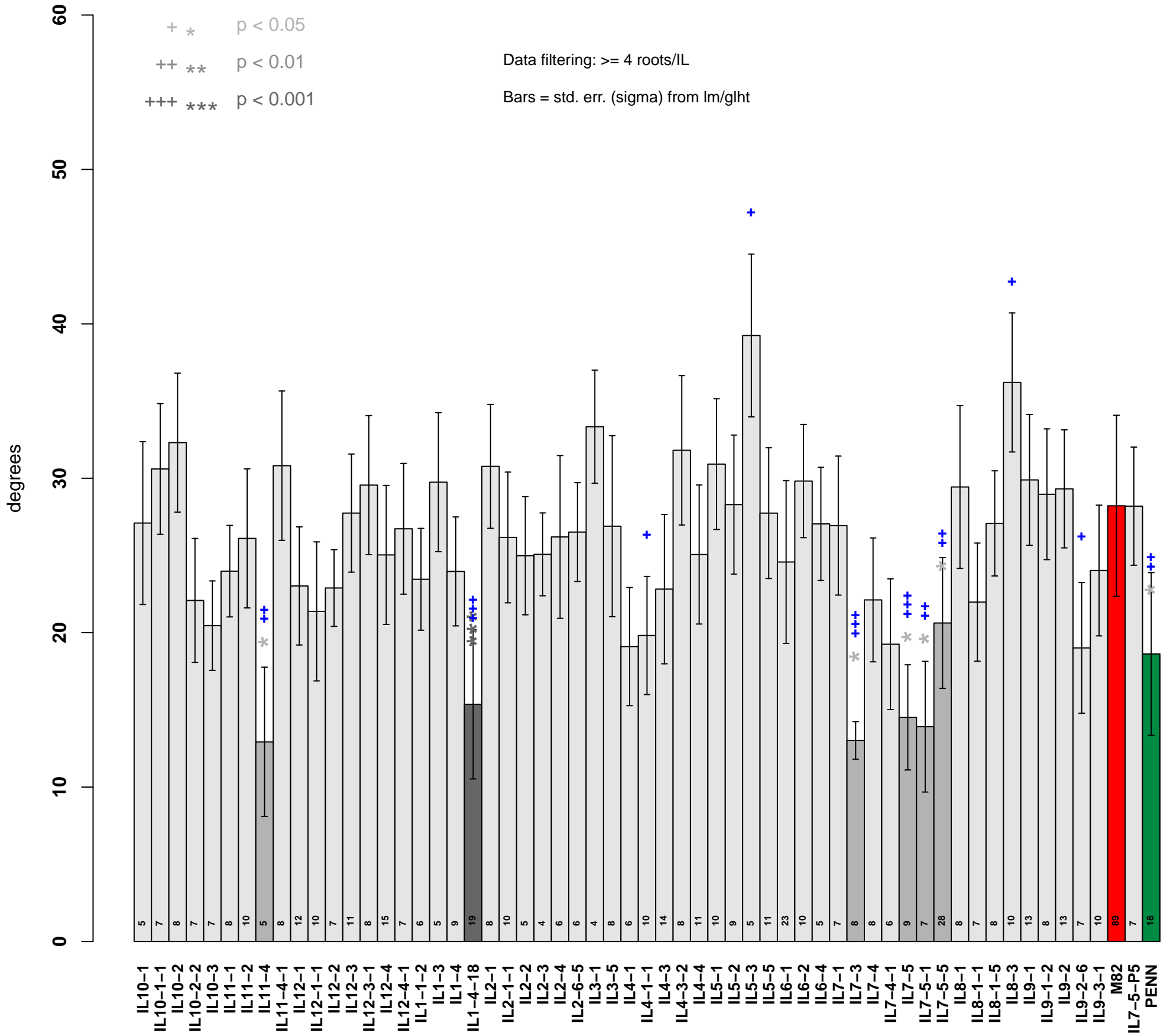
Angle T17



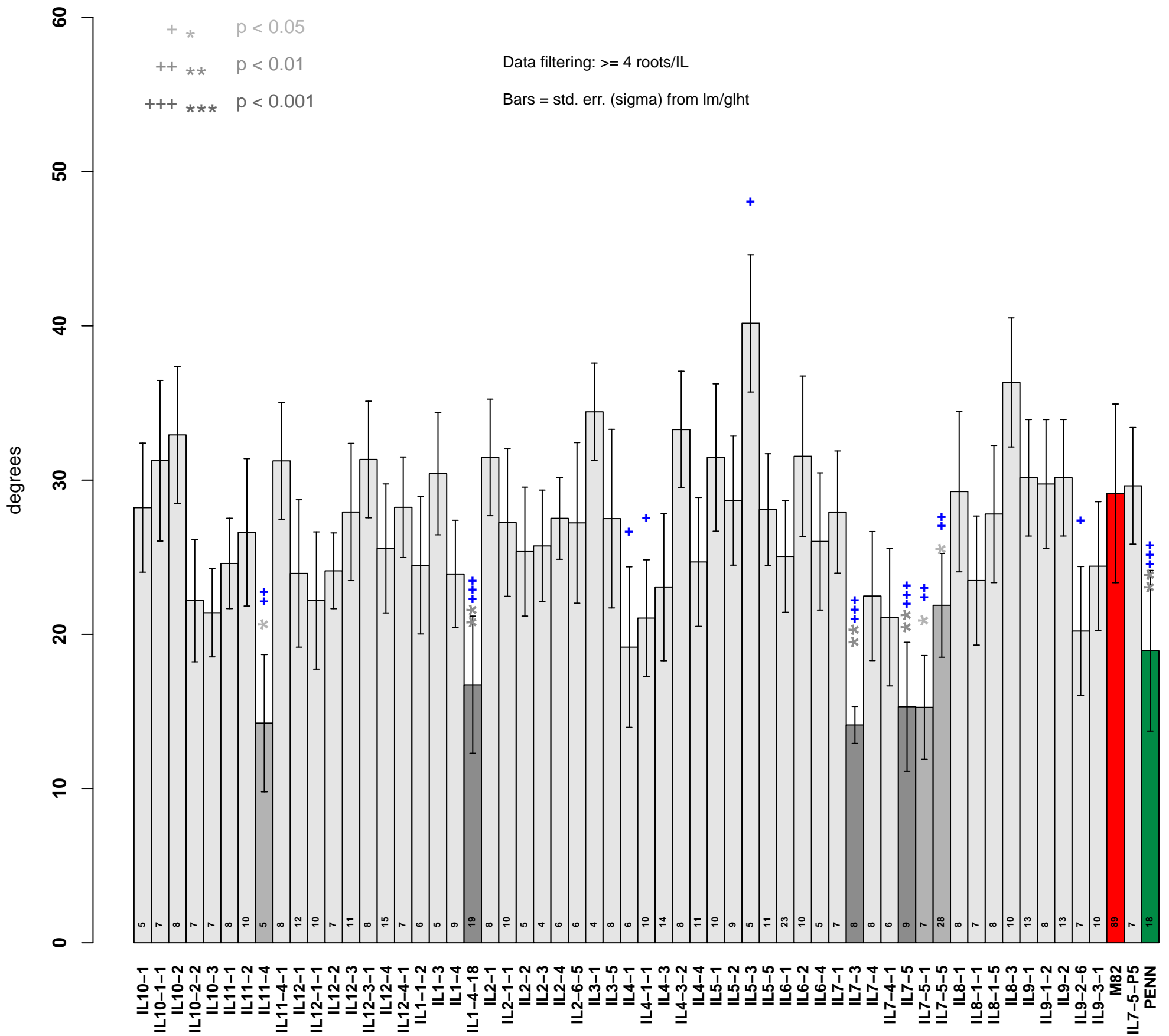
Angle T18



Angle T19



Angle T20



Angle T21

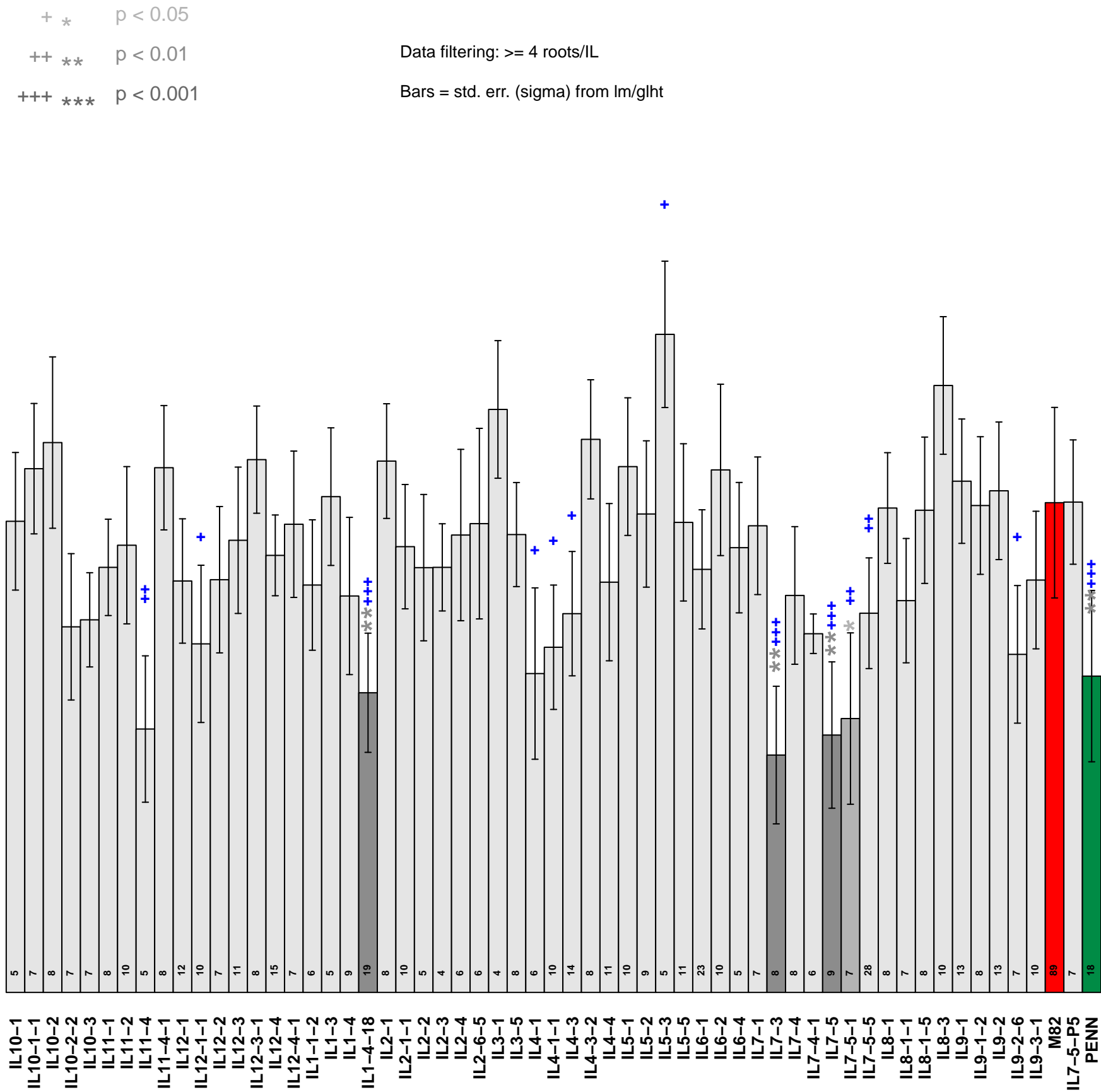
degrees

60
50
40
30
20
10
0

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T22

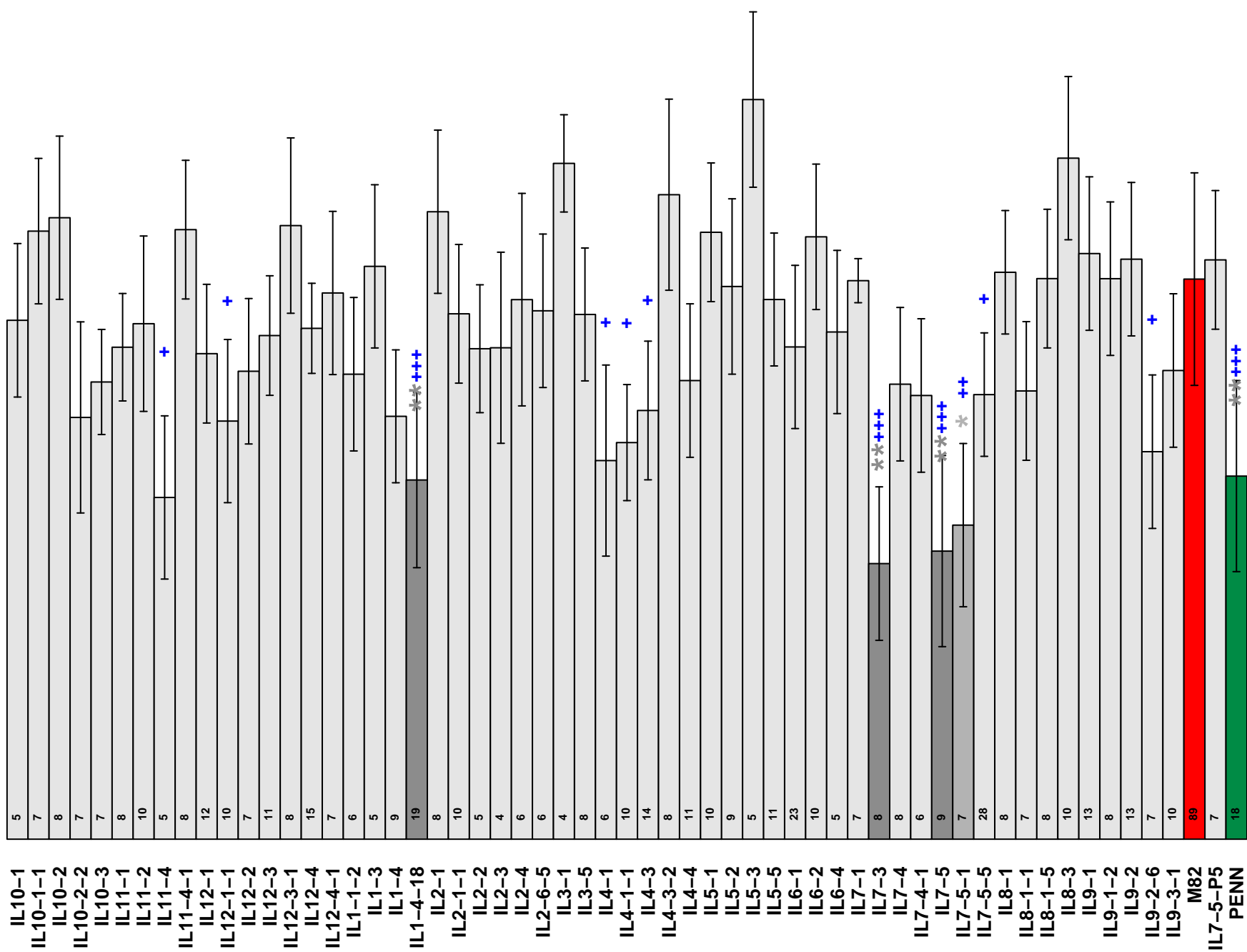
degrees

60
50
40
30
20
10
0

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T23

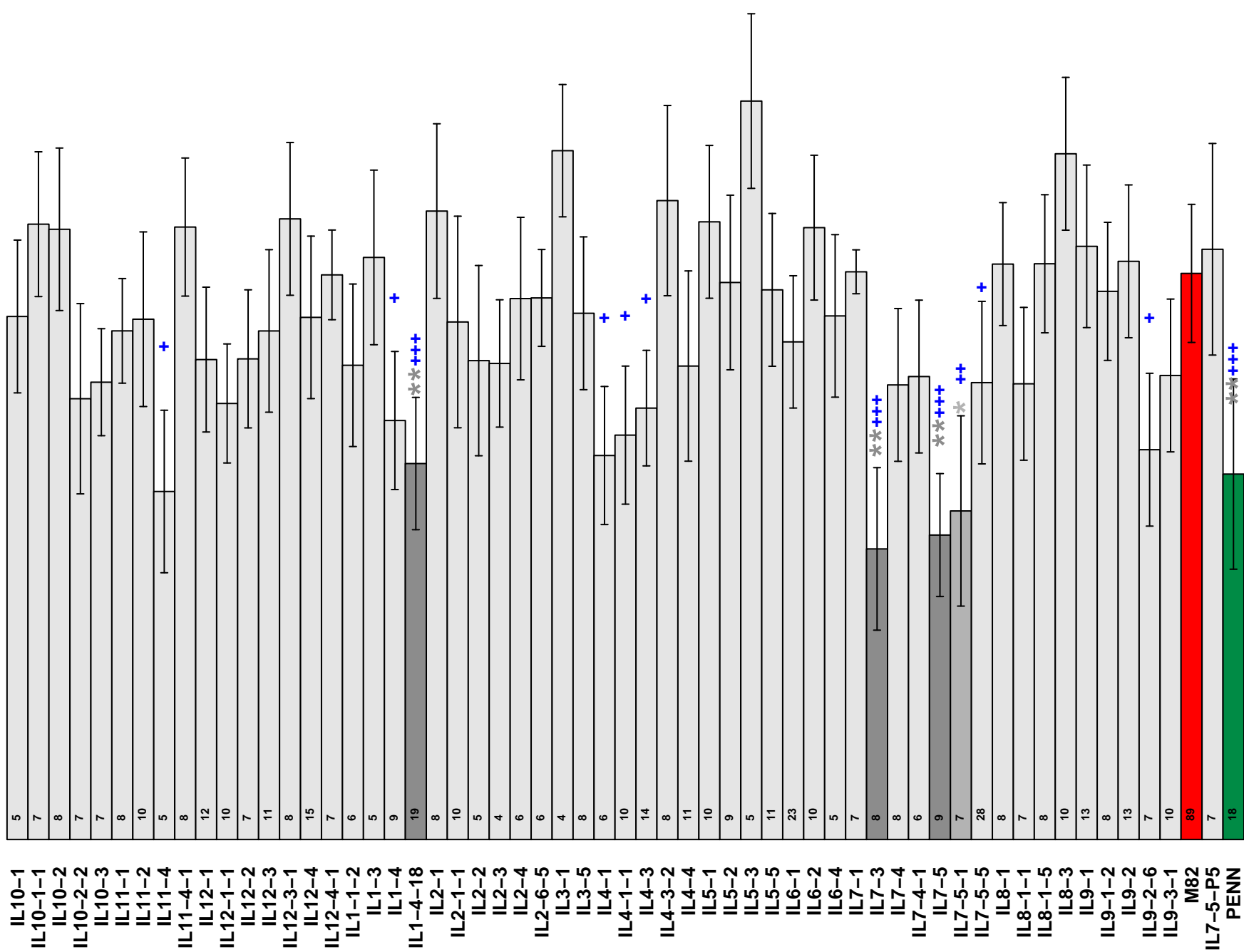
degrees

60
50
40
30
20
10
0

+ * p < 0.05
++ ** p < 0.01
+++ *** p < 0.001

Data filtering: >= 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T24

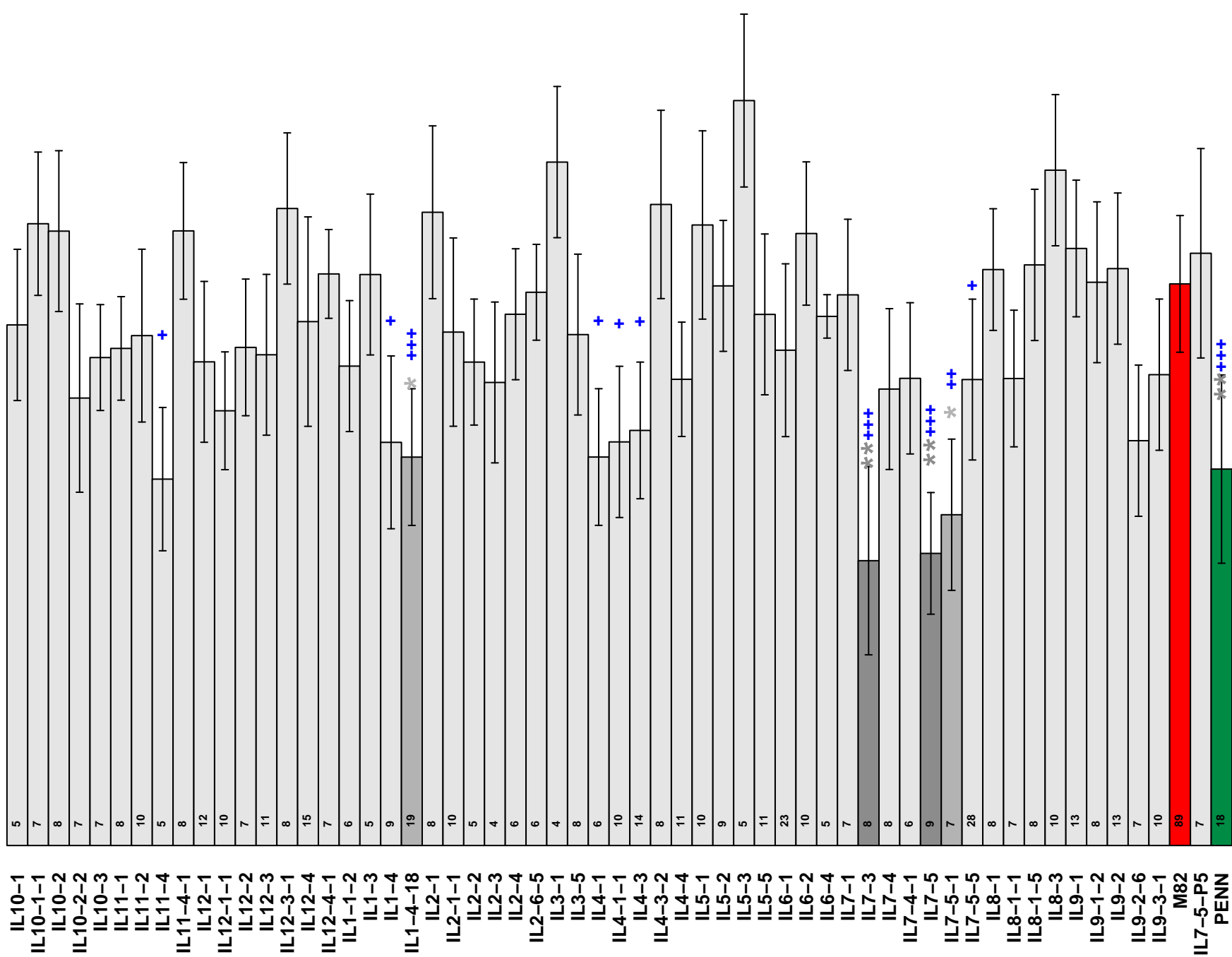
degrees

60
50
40
30
20
10
0

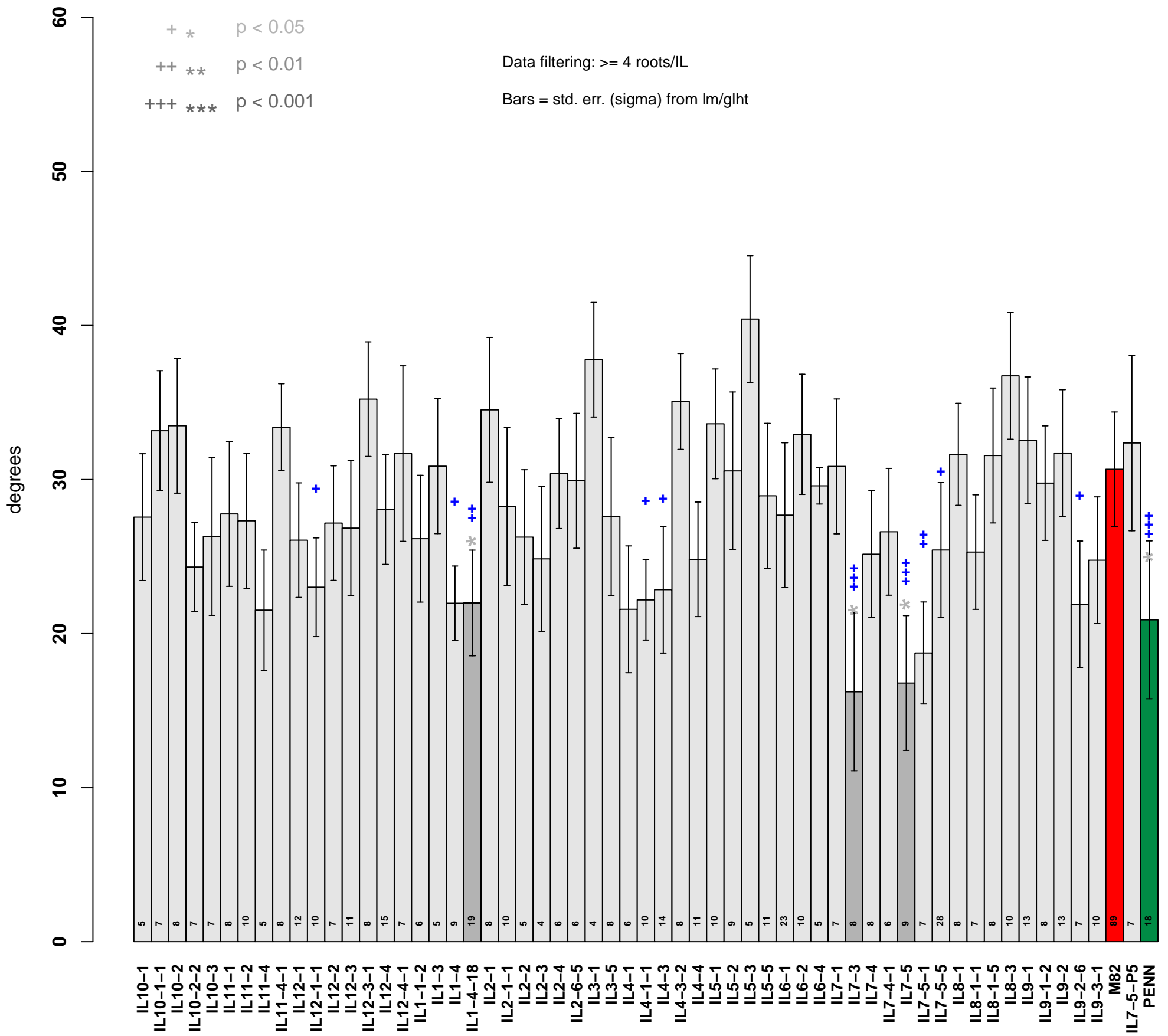
+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T25



Angle T26

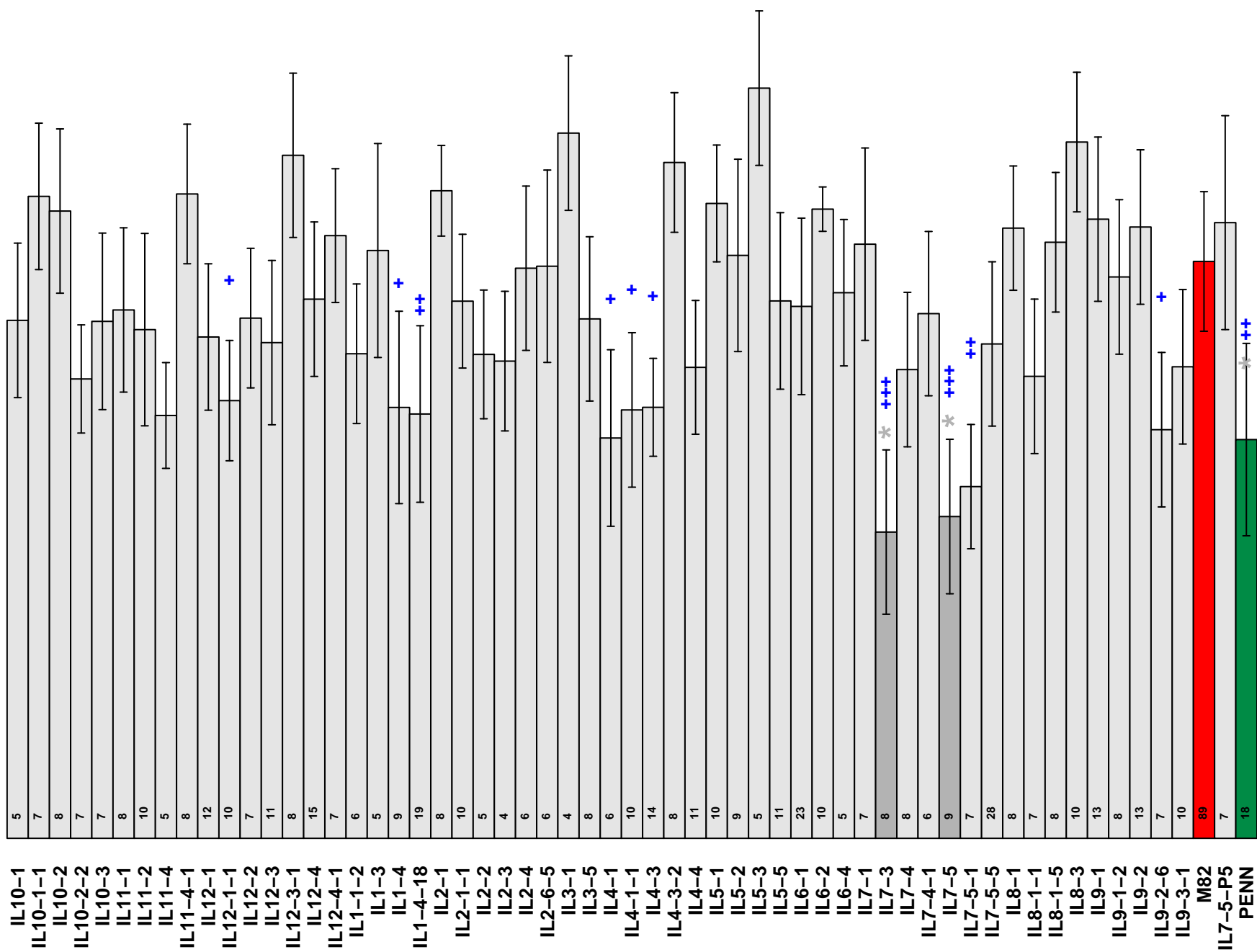
degrees

60
50
40
30
20
10
0

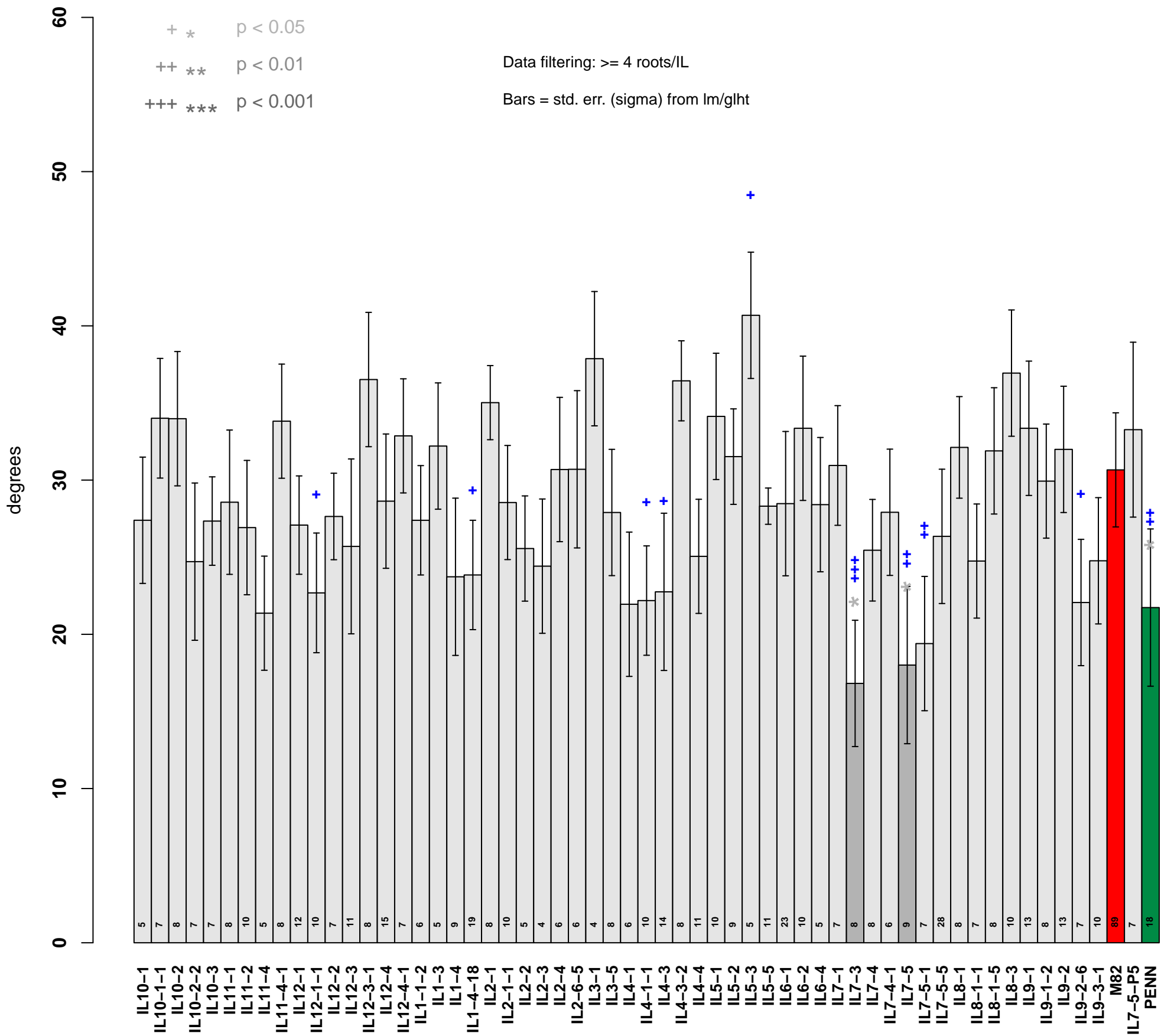
+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

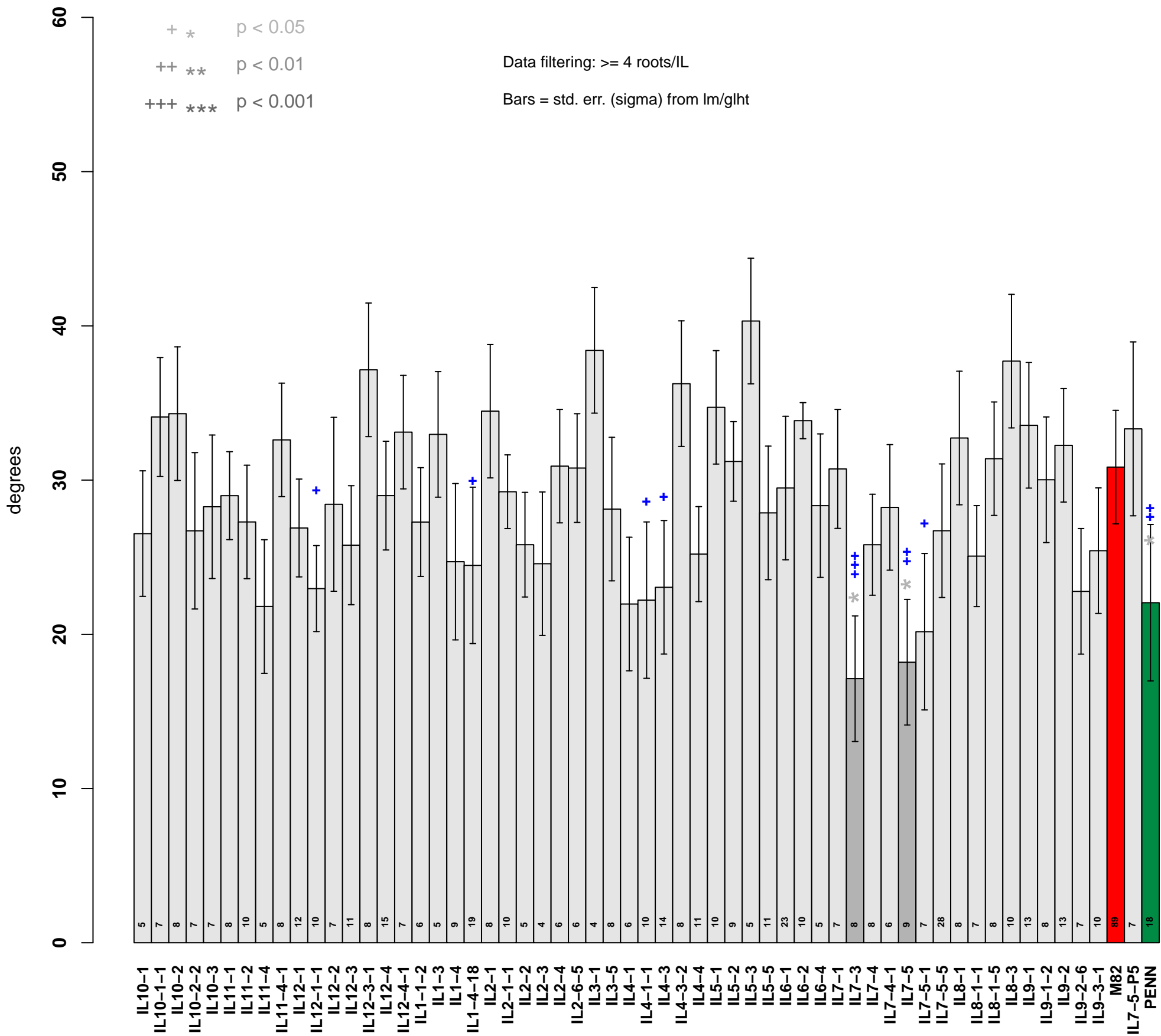
Bars = std. err. (sigma) from lm/glht



Angle T27



Angle T28



Angle T29

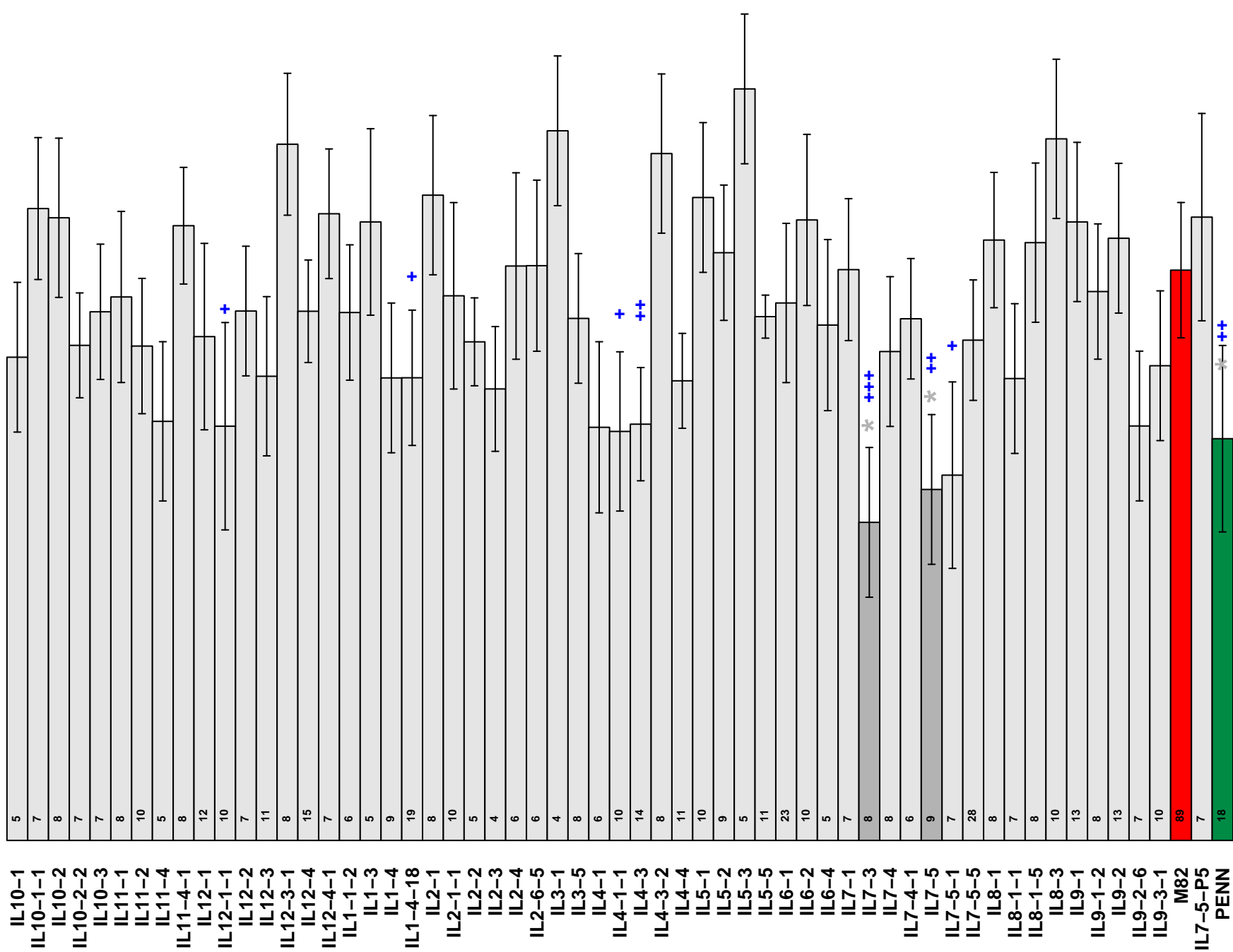
degrees

60
50
40
30
20
10
0

+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T30

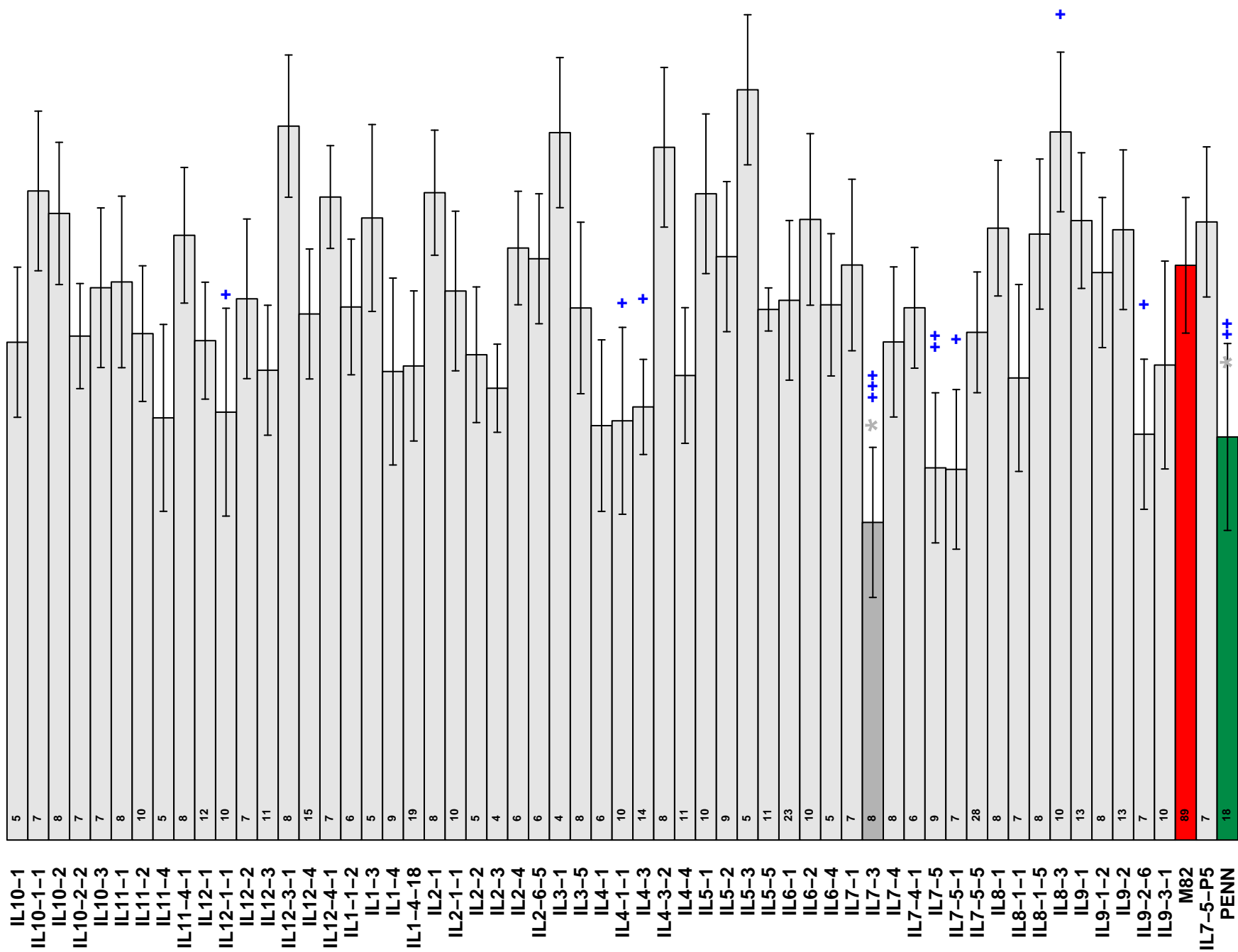
degrees

60
50
40
30
20
10
0

+ * p < 0.05
++ ** p < 0.01
+++ *** p < 0.001

Data filtering: >= 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T31

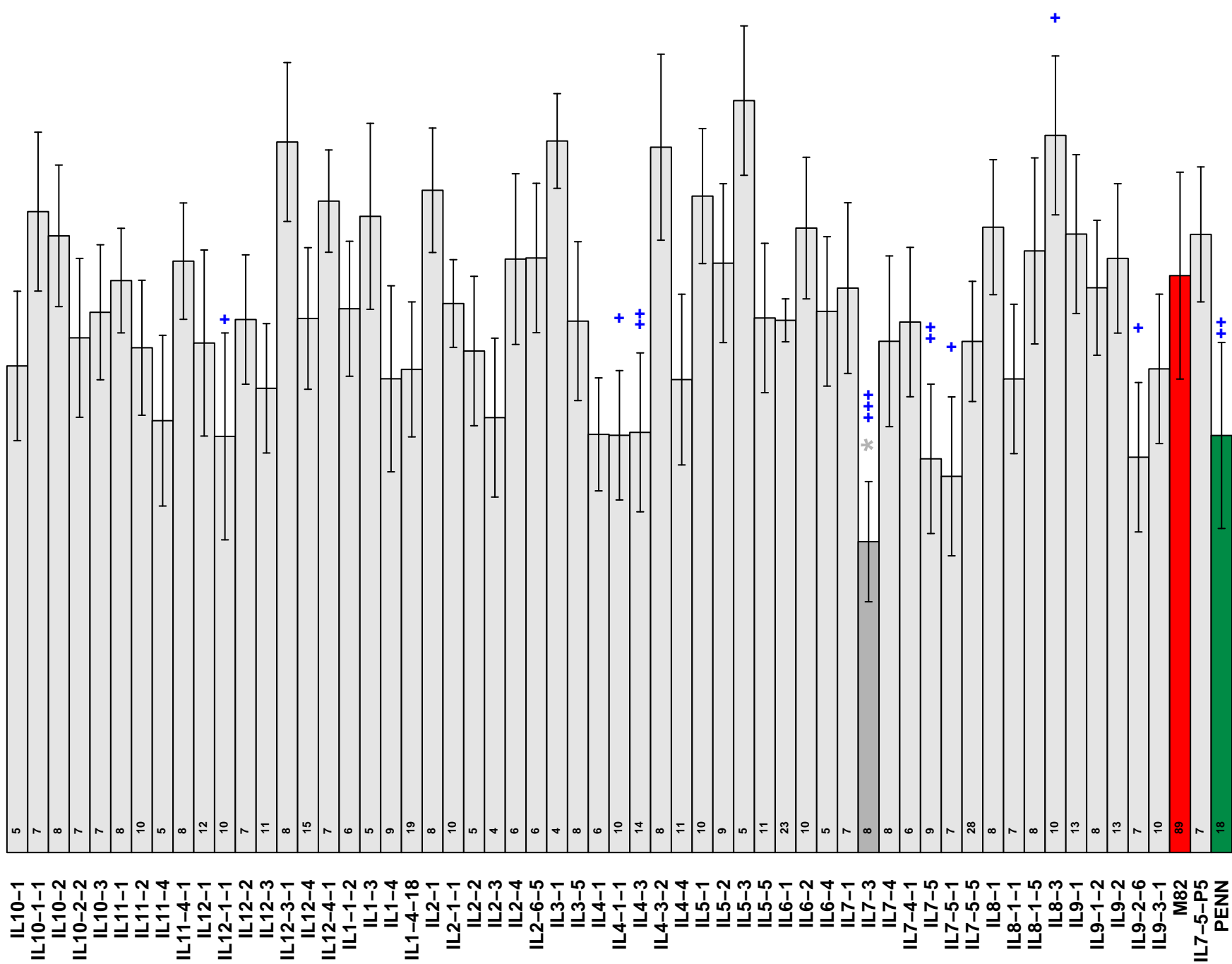
degrees

60
50
40
30
20
10
0

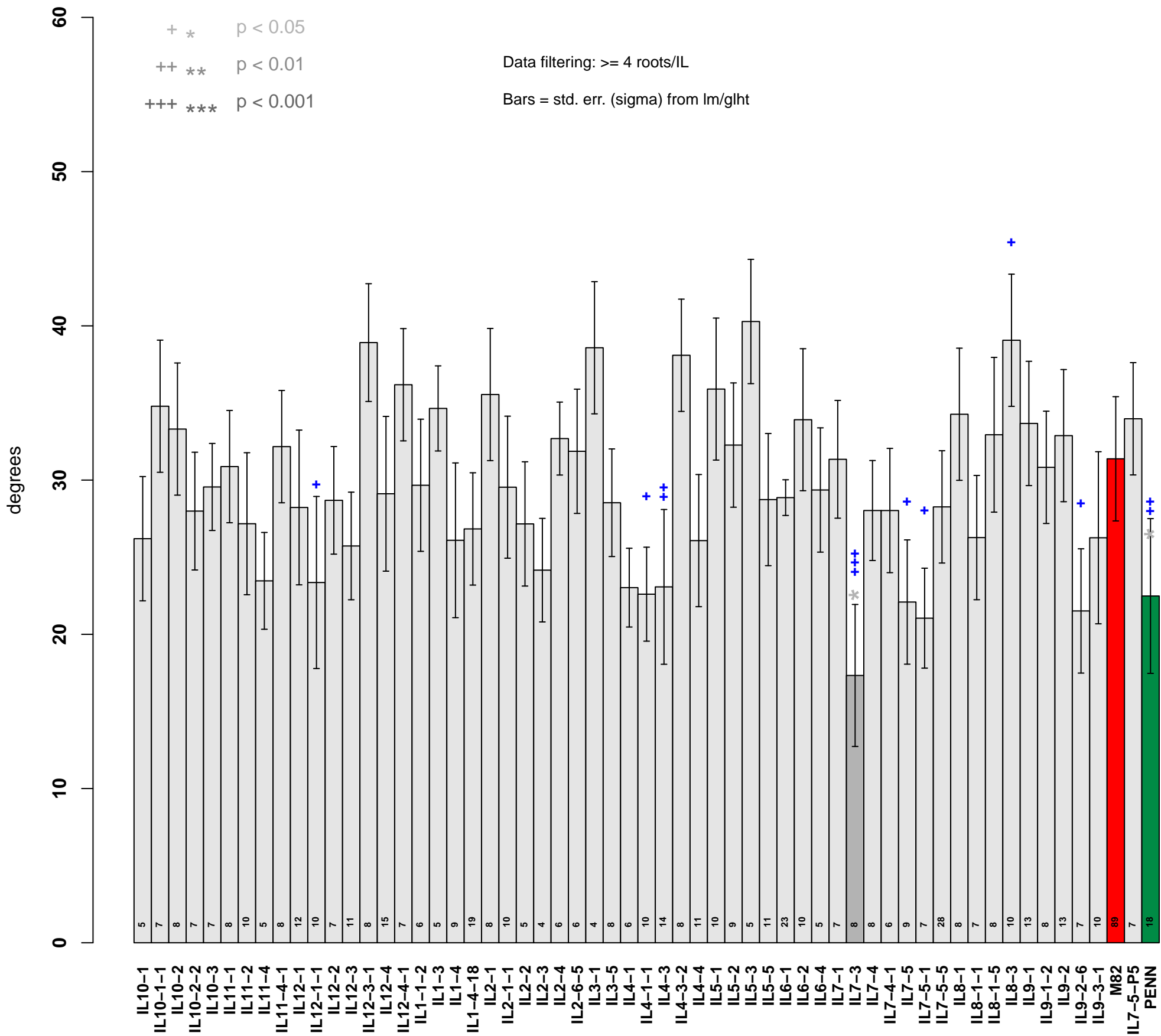
+ * $p < 0.05$
++ ** $p < 0.01$
+++ *** $p < 0.001$

Data filtering: ≥ 4 roots/IL

Bars = std. err. (sigma) from lm/glht



Angle T32



Angle T33

