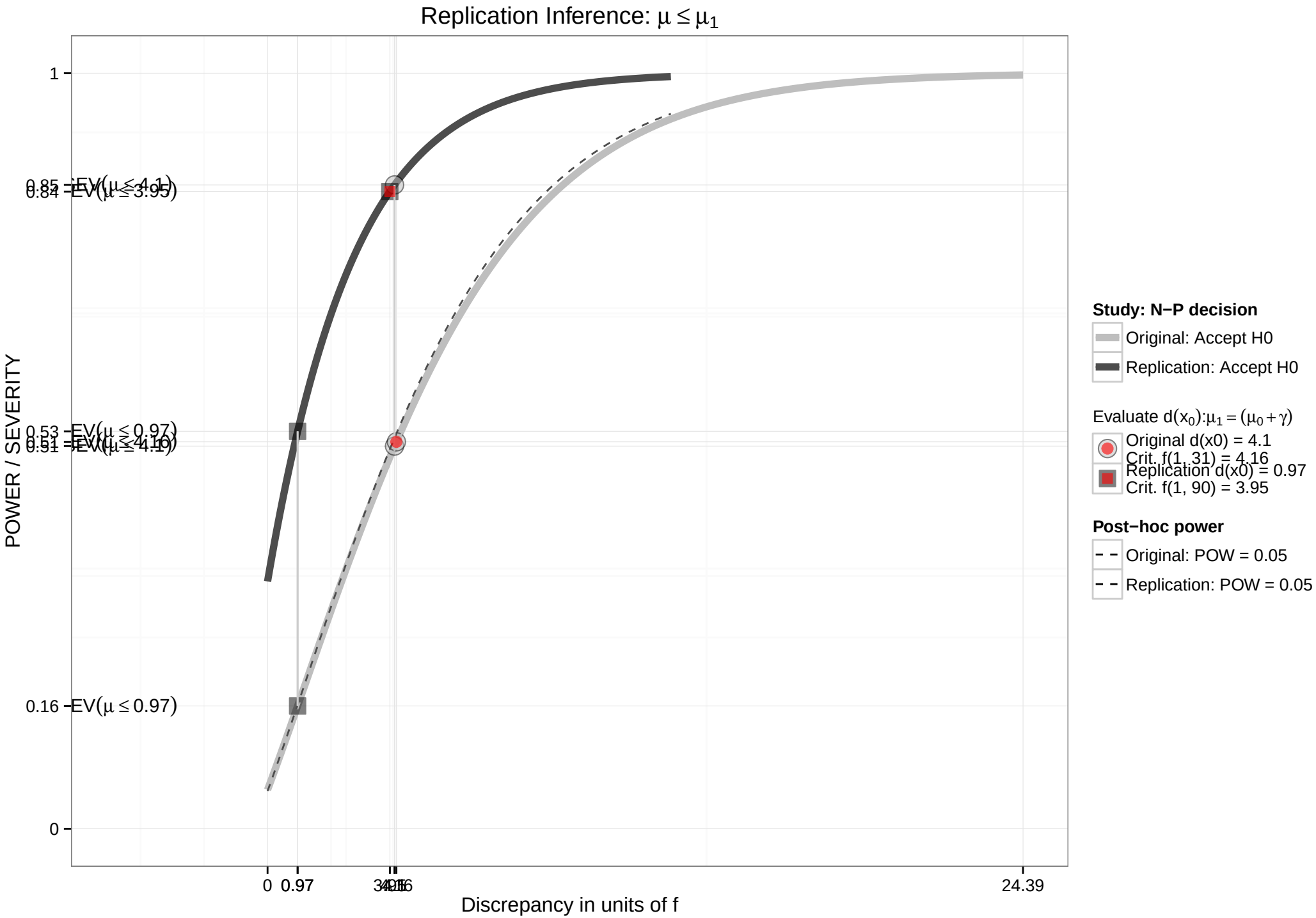
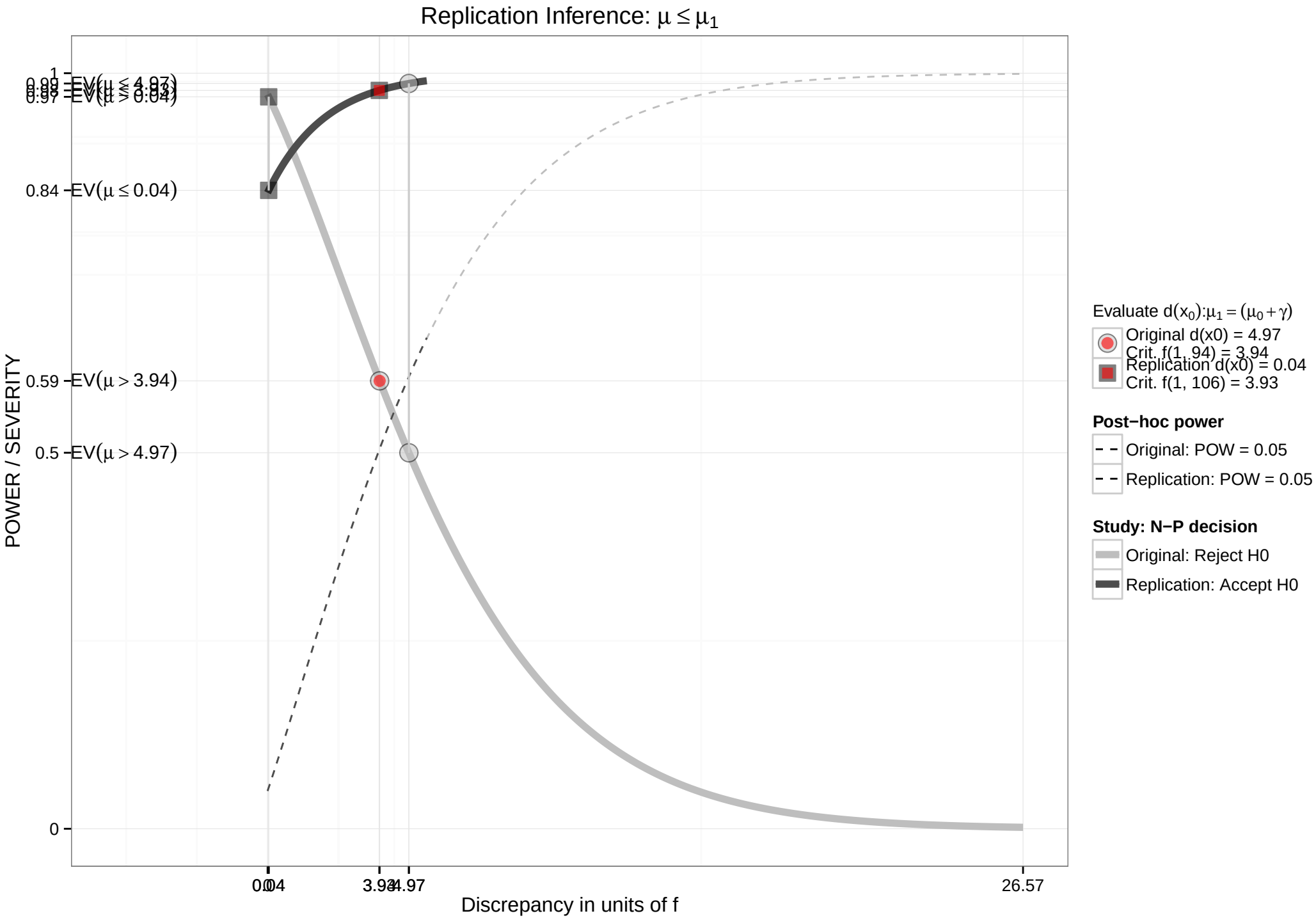
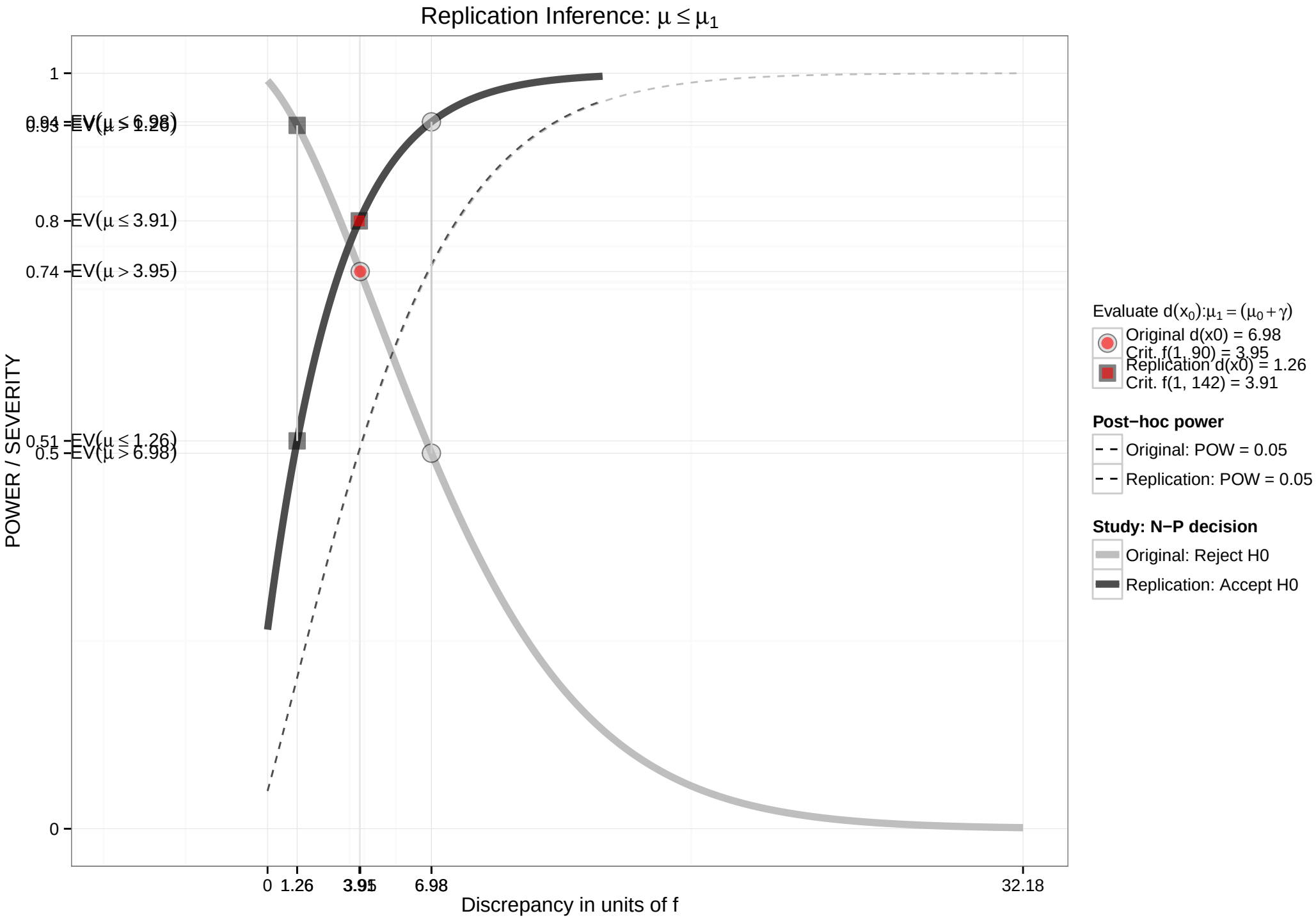
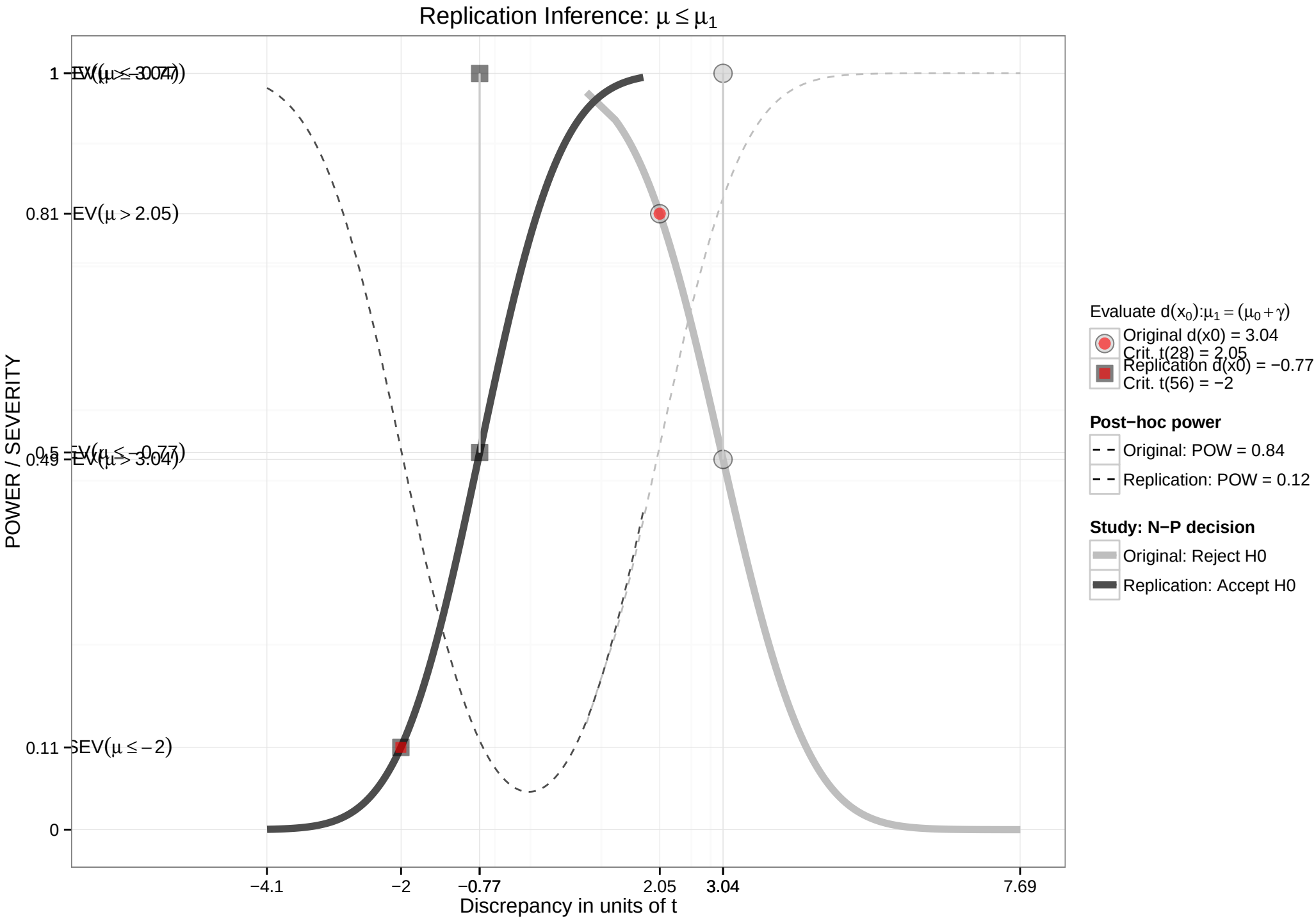
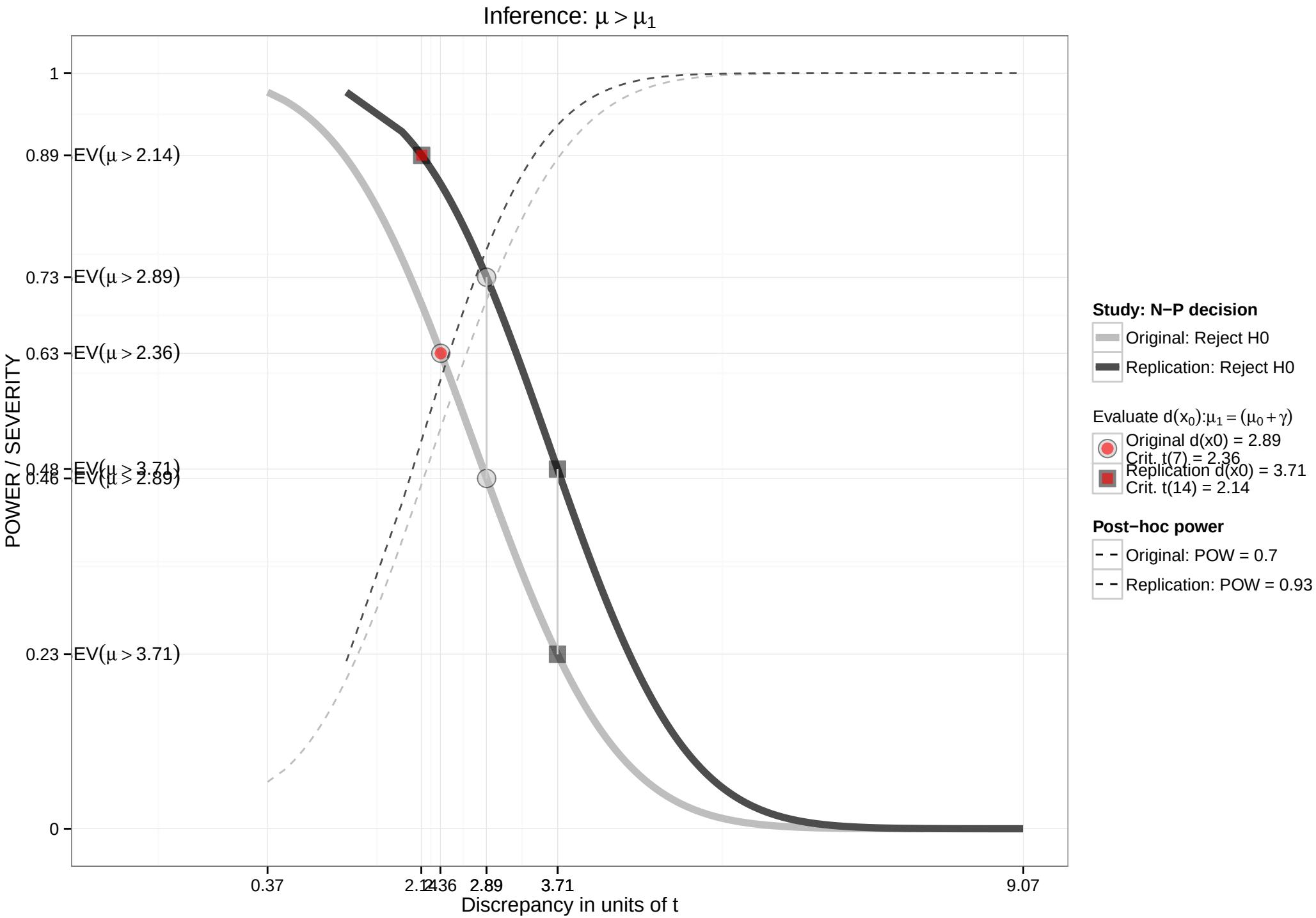
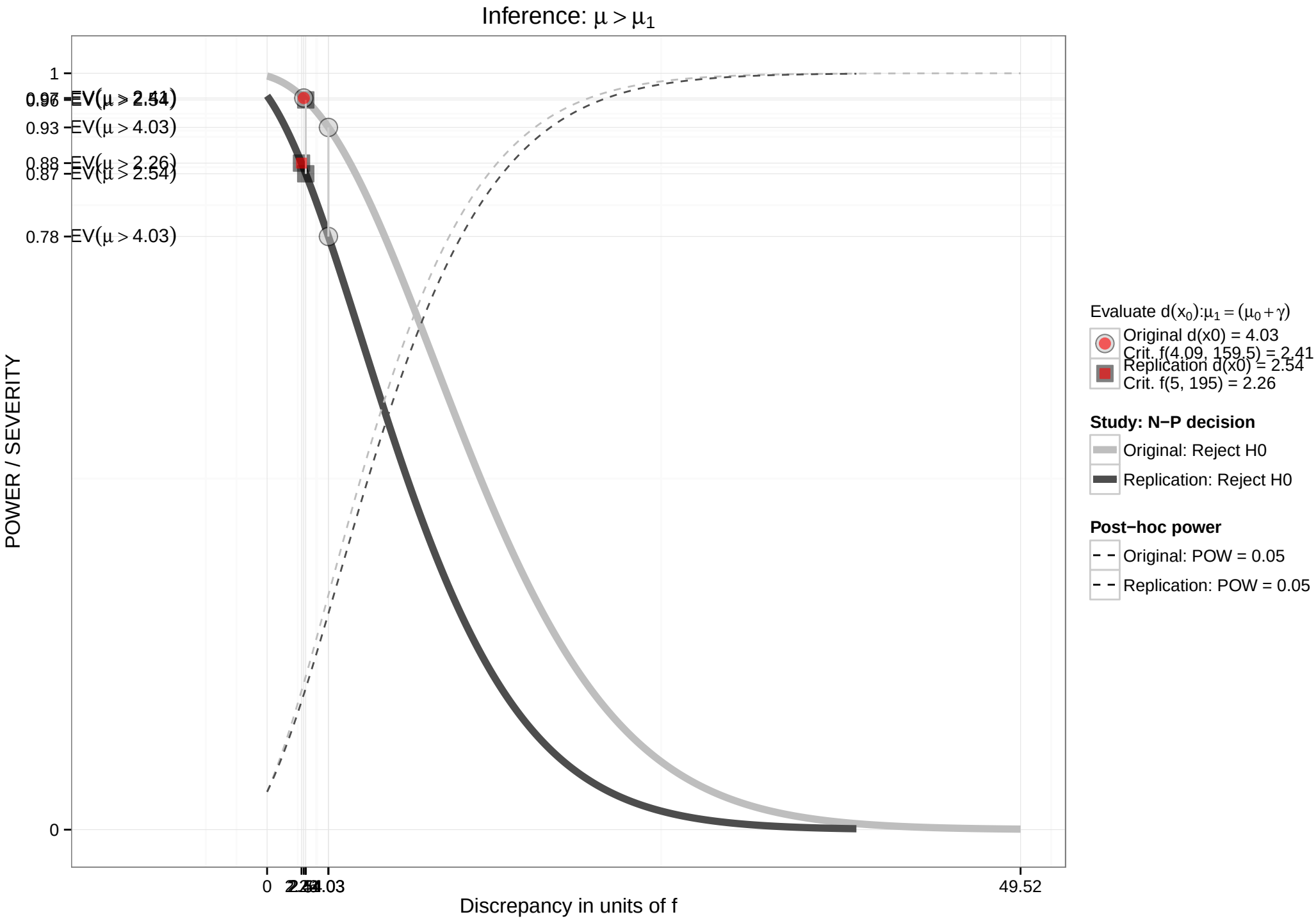

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.85 EV(μ ≤ 4.1)
0.84 EV(μ ≤ 3.95)
0.53 EV(μ ≤ 0.97)
0.51 EV(μ ≤ 4.16)
0.16 EV(μ ≤ 0.97)
0
0
0.97
24.39
Discrepancy in units of f
Study: N−P decision
Original: Accept H0
Replication: Accept H0
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 4.1
Crit. f(1, 31) = 4.16
Replication d(x0) = 0.97
Crit. f(1, 90) = 3.95
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05

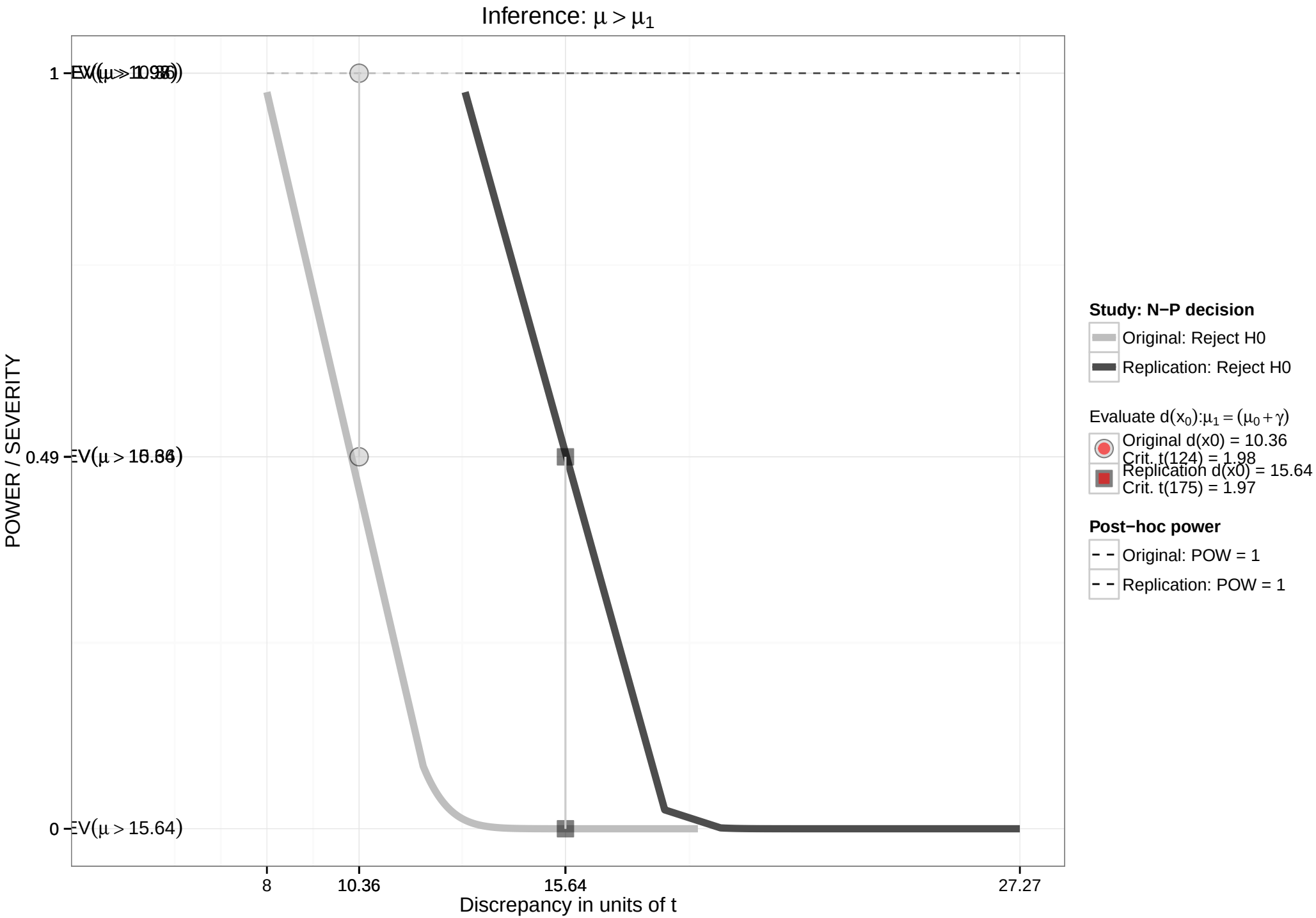

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.99 EV(μ ≤ 4.97)
0.98 EV(μ ≤ 3.94)
0.97 EV(μ > 0.04)
0.84 EV(μ ≤ 0.04)
0.59 EV(μ > 3.94)
0.5 EV(μ > 4.97)
0
0.04
3.94
4.97
26.57
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 4.97
Crit. f(1, 94) = 3.94
Replication d(x0) = 0.04
Crit. f(1, 106) = 3.93
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

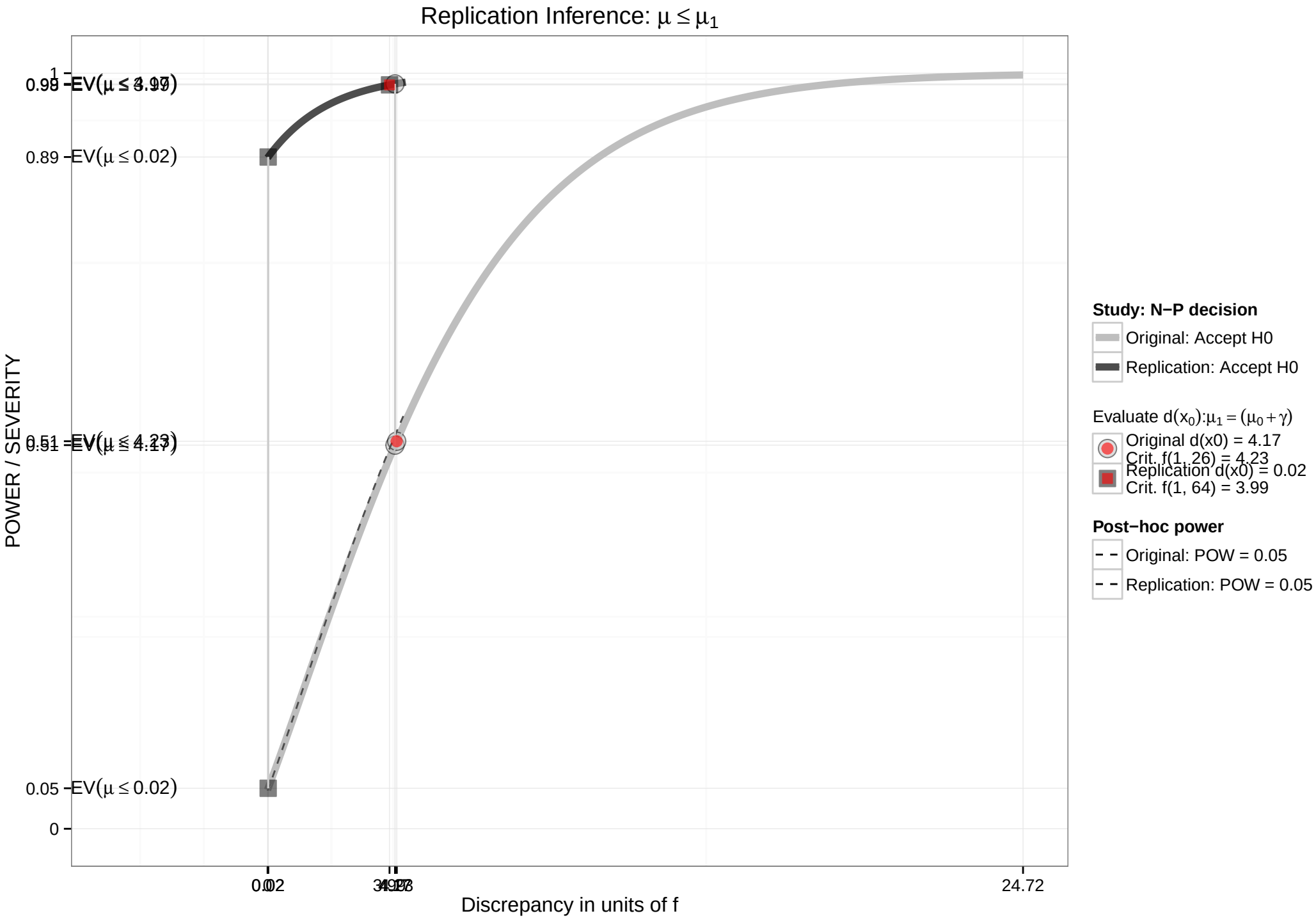

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.94 EV(μ ≤ 6.98)
0.93 EV(μ > 1.26)
0.8 EV(μ ≤ 3.91)
0.74 EV(μ > 3.95)
0.51 EV(μ ≤ 1.26)
0.5 EV(μ > 6.98)
0
0
1.26
3.91
3.95
6.98
32.18
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 6.98
Crit. f(1, 90) = 3.95
Replication d(x0) = 1.26
Crit. f(1, 142) = 3.91
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

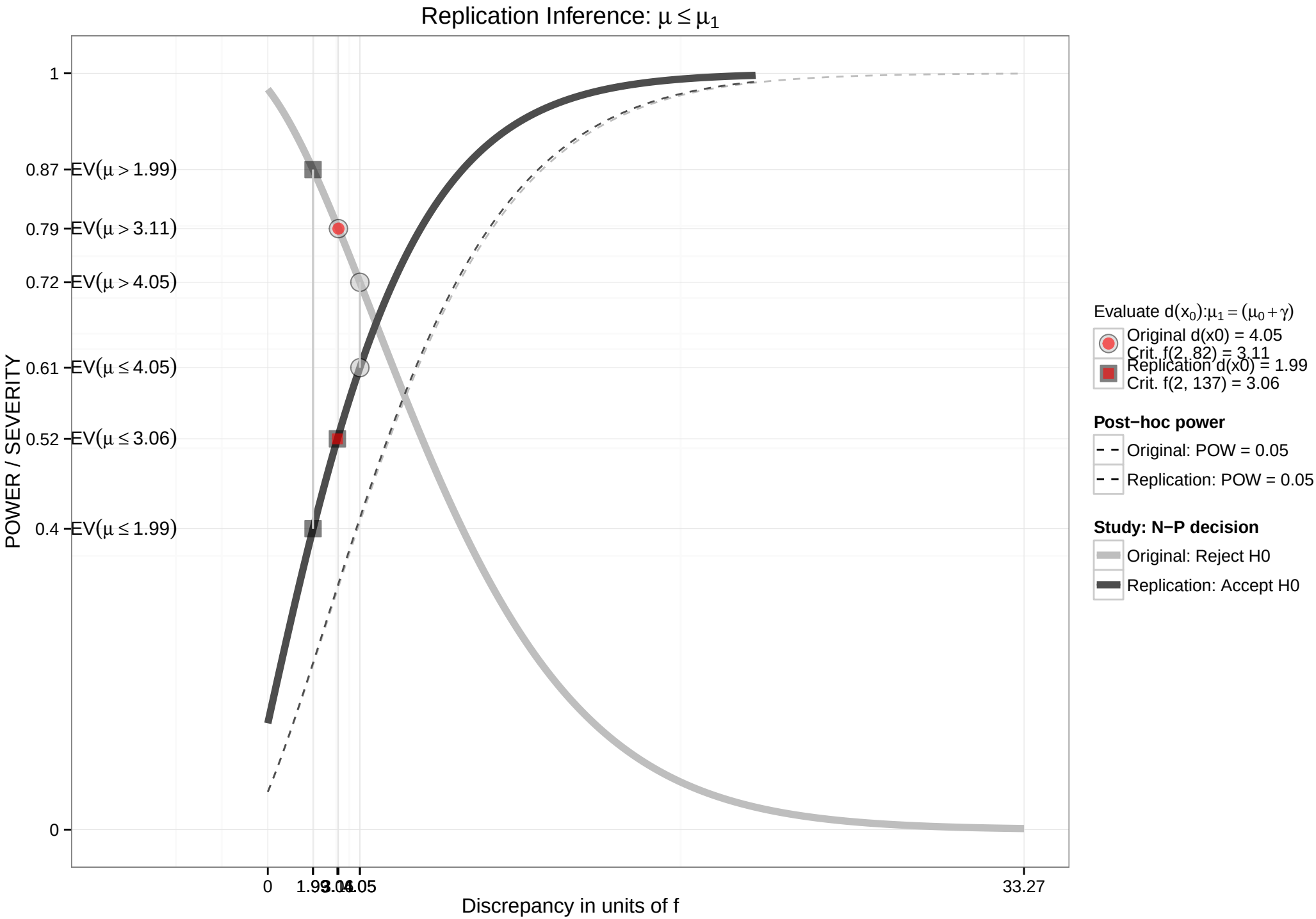

Replication Inference: μ ≤ μ1
1
0.81
0.5
0.49
0.11
0
POWER / SEVERITY
SEV(μ ≤ −2)
SEV(μ > 3.04)
SEV(μ ≤ −0.77)
SEV(μ > 2.05)
−4.1
−2
−0.77
2.05
3.04
7.69
Discrepancy in units of t
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 3.04
Crit. t(28) = 2.05
Replication d(x0) = −0.77
Crit. t(56) = −2
Post−hoc power
Original: POW = 0.84
Replication: POW = 0.12
Study: N−P decision
Original: Reject H0
Replication: Accept H0

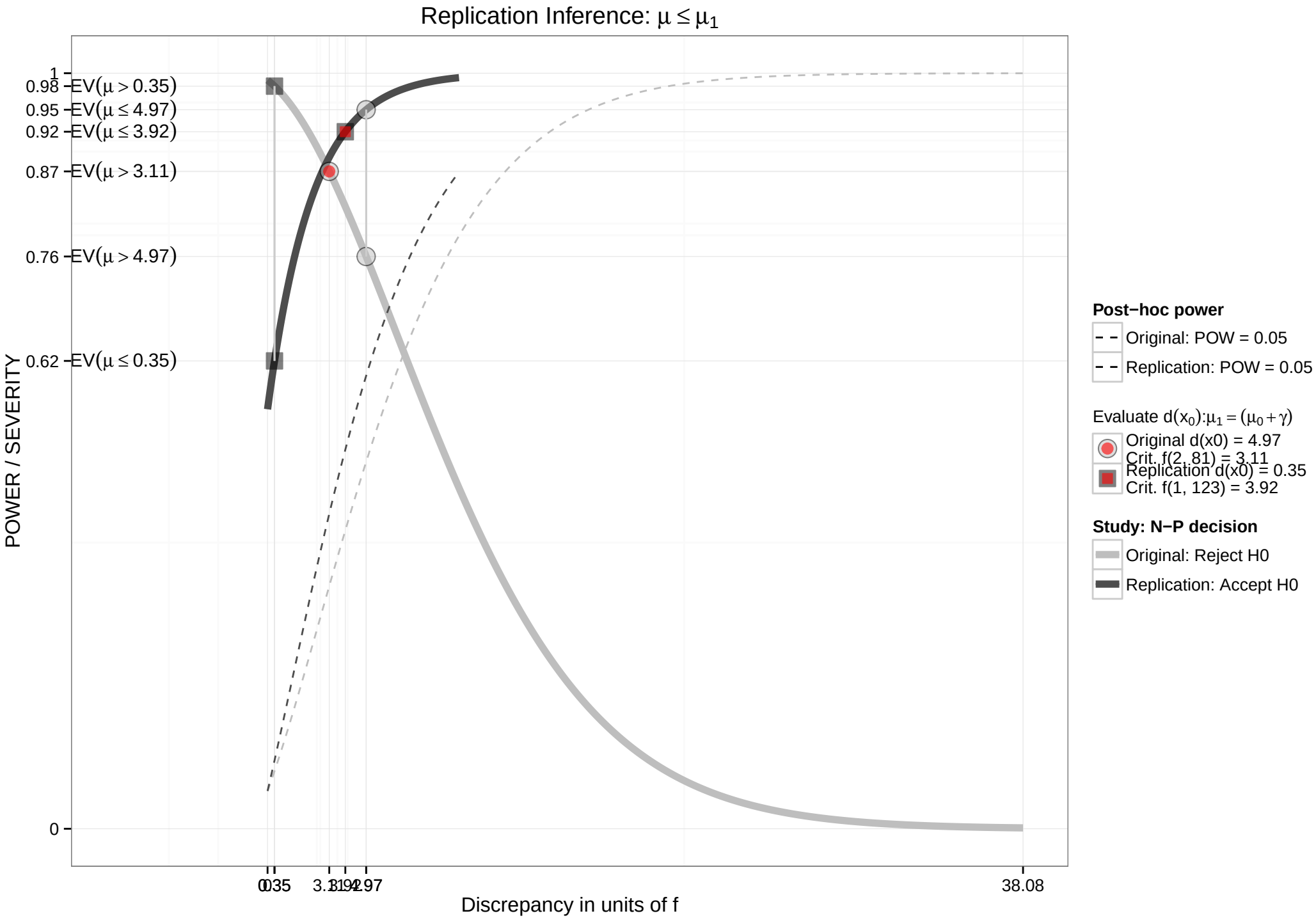

Inference: μ > μ1
POWER / SEVERITY
1
0.89
EV(μ > 2.14)
0.73
EV(μ > 2.89)
0.63
EV(μ > 2.36)
0.48
EV(μ > 3.71)
0.46
EV(μ > 2.89)
0.23
EV(μ > 3.71)
0
0.37
2.14
2.36
2.89
3.71
9.07
Discrepancy in units of t
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 2.89
Crit. t(7) = 2.36
Replication d(x0) = 3.71
Crit. t(14) = 2.14
Post−hoc power
Original: POW = 0.7
Replication: POW = 0.93

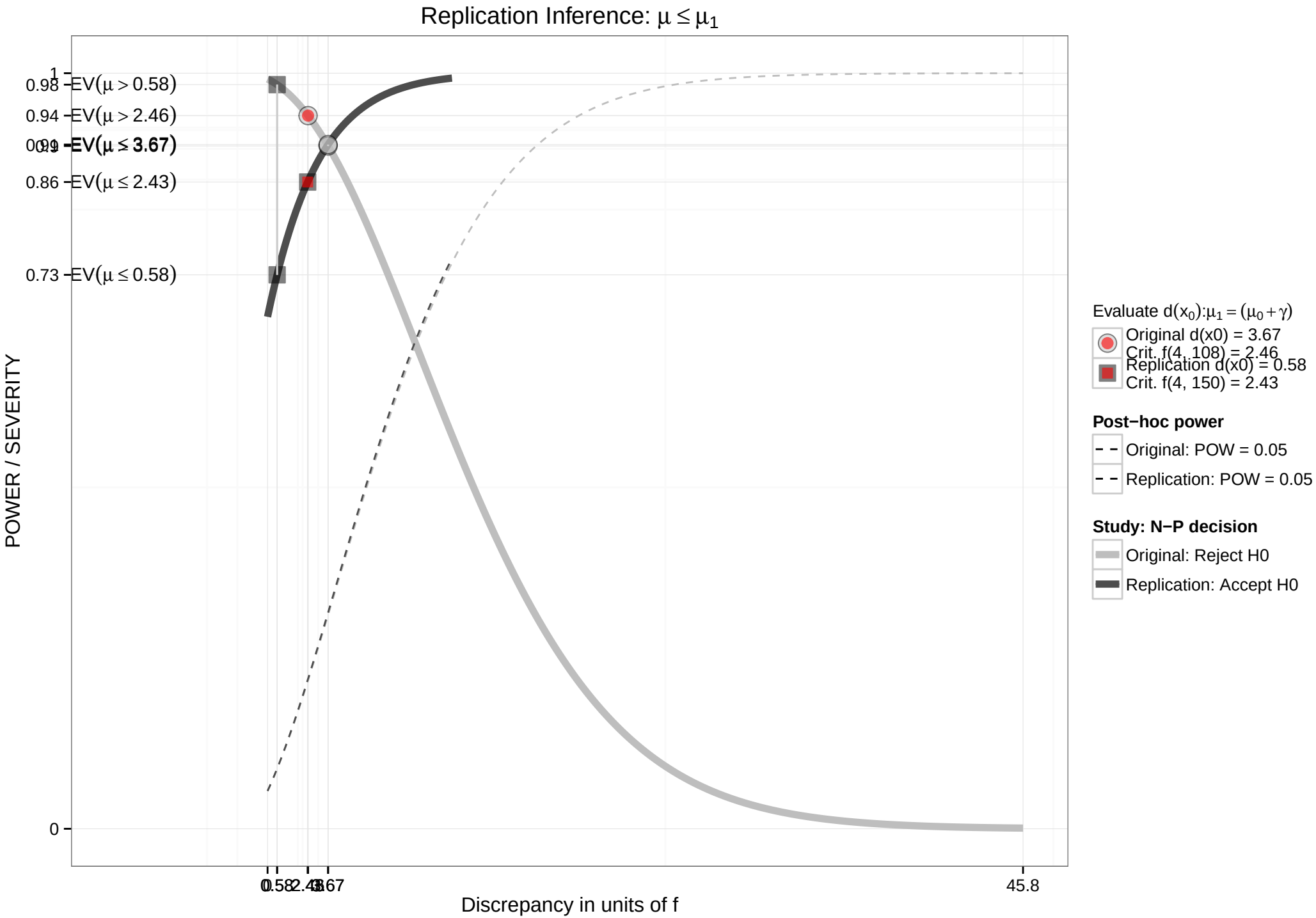

Inference: μ > μ1
POWER / SEVERITY
1
0.97 EV(μ > 2.41)
0.96 EV(μ > 2.54)
0.93 EV(μ > 4.03)
0.88 EV(μ > 2.26)
0.87 EV(μ > 2.54)
0.78 EV(μ > 4.03)
0
0
49.52
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 4.03
Crit. f(4.09, 159.5) = 2.41
Replication d(x0) = 2.54
Crit. f(5, 195) = 2.26
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05

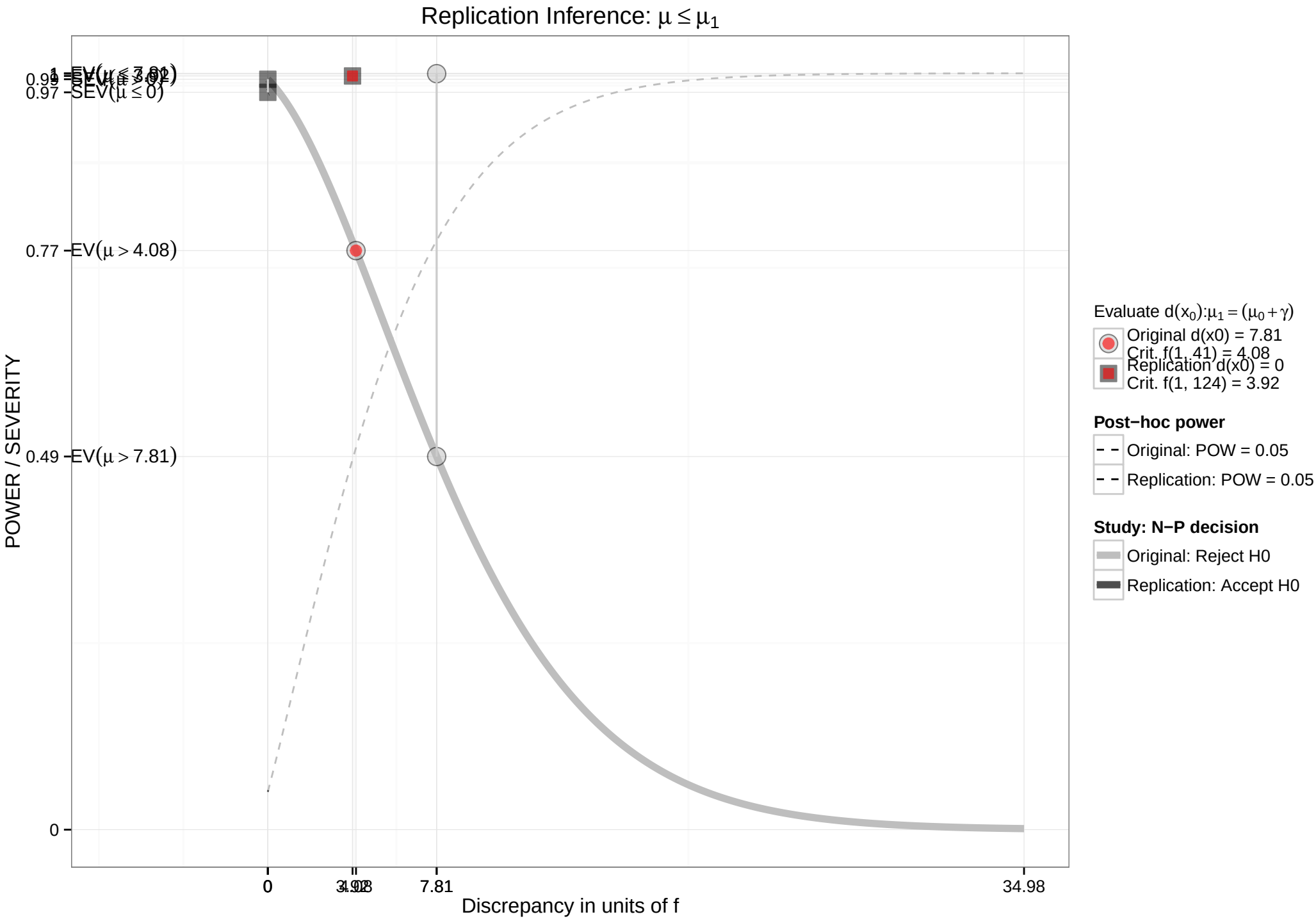

Inference: μ > μ1
POWER / SEVERITY
1
0.49
0
8
10.36
15.64
27.27
Discrepancy in units of t
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 10.36
Crit. t(124) = 1.98
Replication d(x0) = 15.64
Crit. t(175) = 1.97
Post−hoc power
Original: POW = 1
Replication: POW = 1

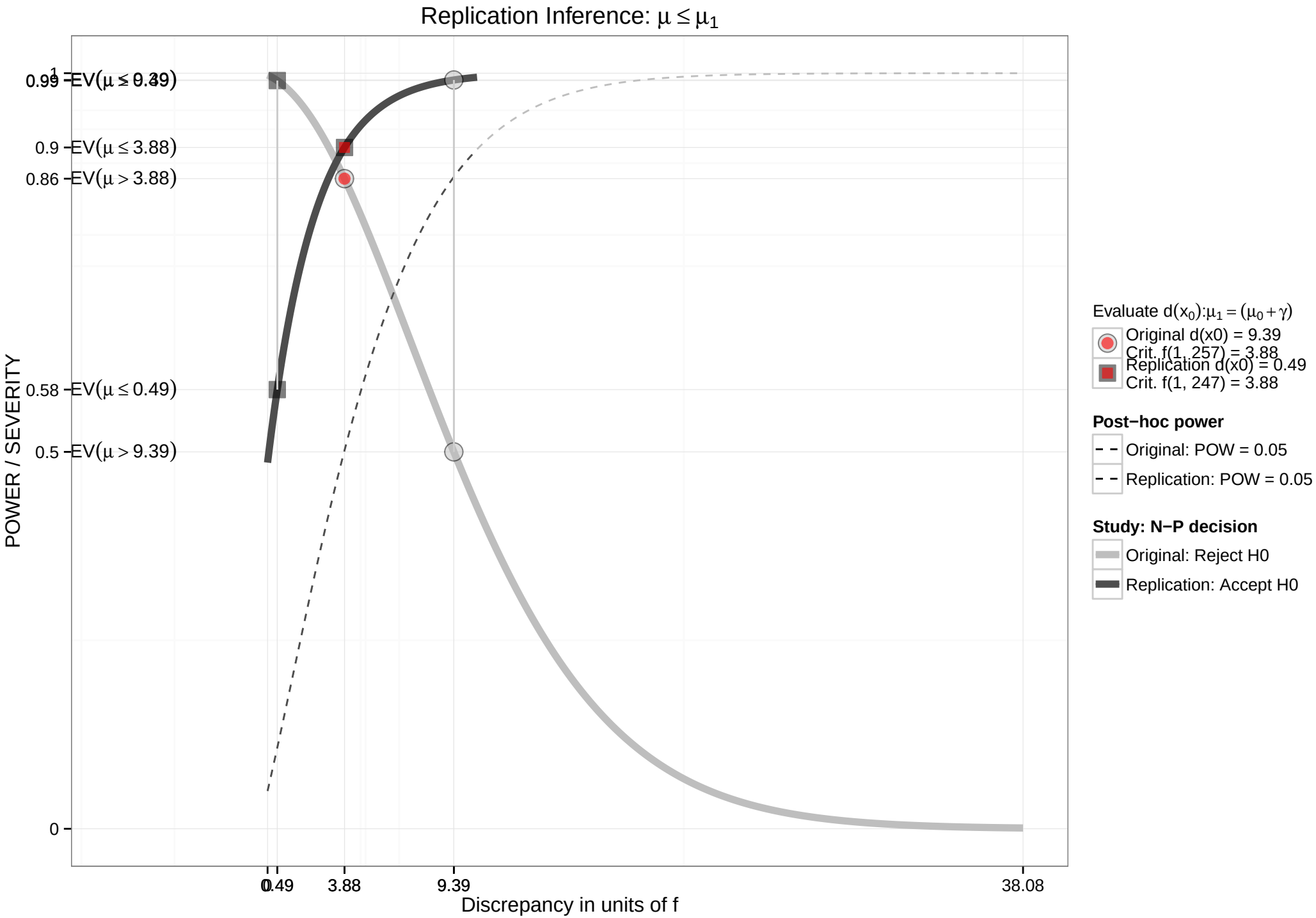

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.89
0.05
0
EV(μ ≤ 0.02)
Discrepancy in units of f
24.72
Study: N−P decision
Original: Accept H0
Replication: Accept H0
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 4.17
Crit. f(1, 26) = 4.23
Replication d(x0) = 0.02
Crit. f(1, 64) = 3.99
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05

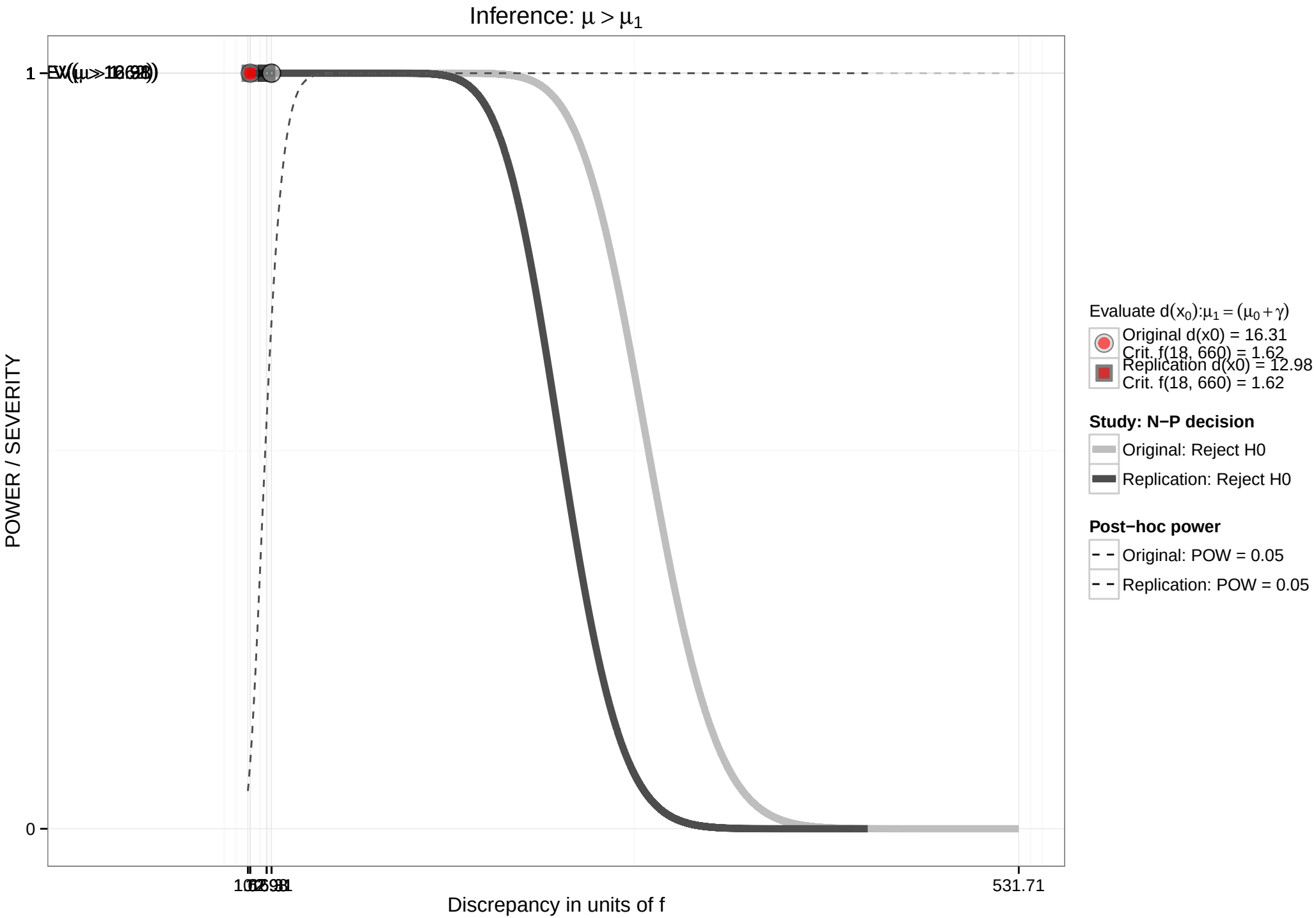

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.87 EV(μ > 1.99)
0.79 EV(μ > 3.11)
0.72 EV(μ > 4.05)
0.61 EV(μ ≤ 4.05)
0.52 EV(μ ≤ 3.06)
0.4 EV(μ ≤ 1.99)
0
0
1.99
3.06
4.05
33.27
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 4.05
Crit. f(2, 82) = 3.11
Replication d(x0) = 1.99
Crit. f(2, 137) = 3.06
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

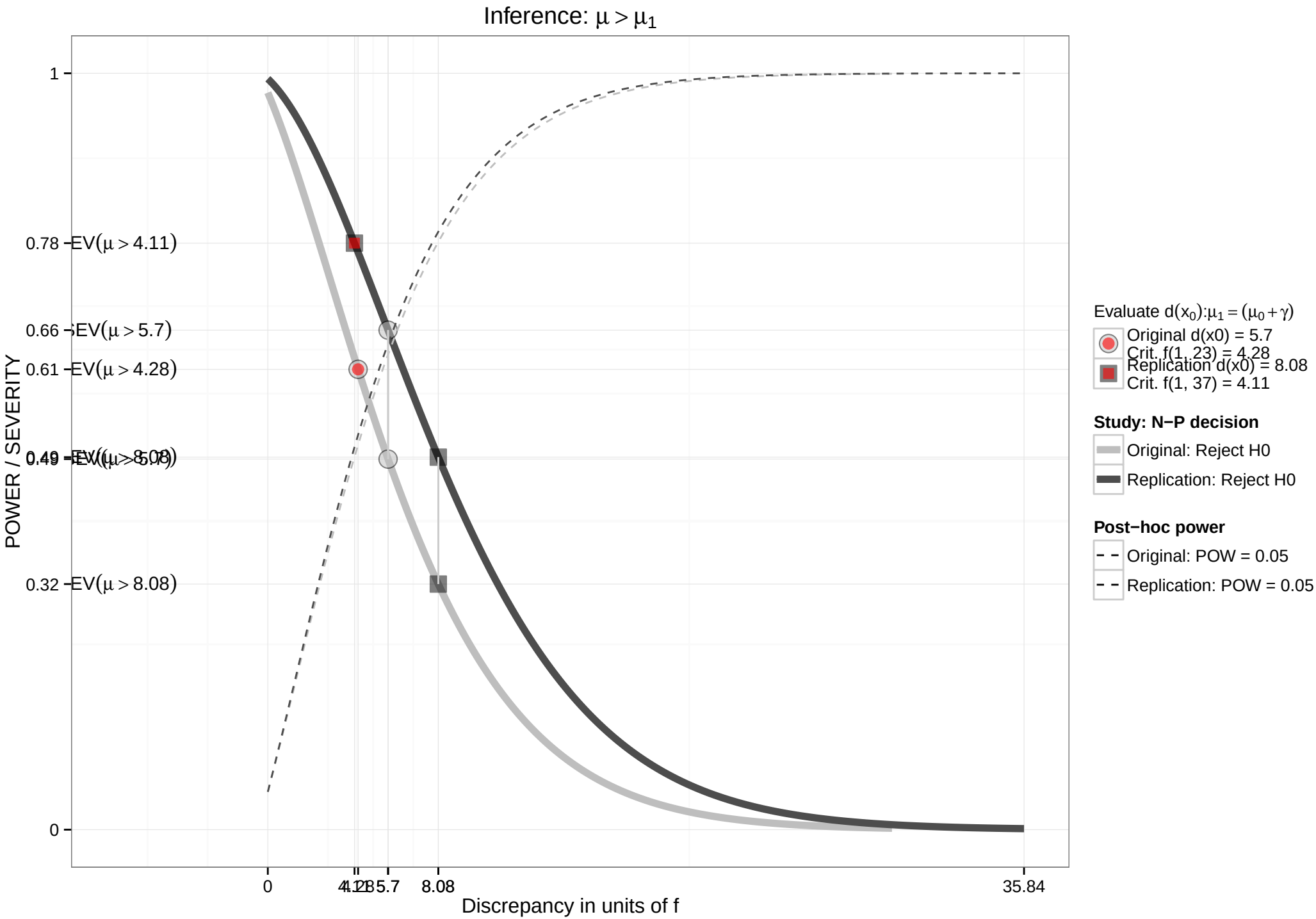

Replication Inference: μ ≤ μ1
1
0.98 EV(μ > 0.35)
0.95 EV(μ ≤ 4.97)
0.92 EV(μ ≤ 3.92)
0.87 EV(μ > 3.11)
0.76 EV(μ > 4.97)
0.62 EV(μ ≤ 0.35)
0
POWER / SEVERITY
0
0.35
3.11
3.92
4.97
38.08
Discrepancy in units of f
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 4.97
Crit. f(2, 81) = 3.11
Replication d(x0) = 0.35
Crit. f(1, 123) = 3.92
Study: N−P decision
Original: Reject H0
Replication: Accept H0

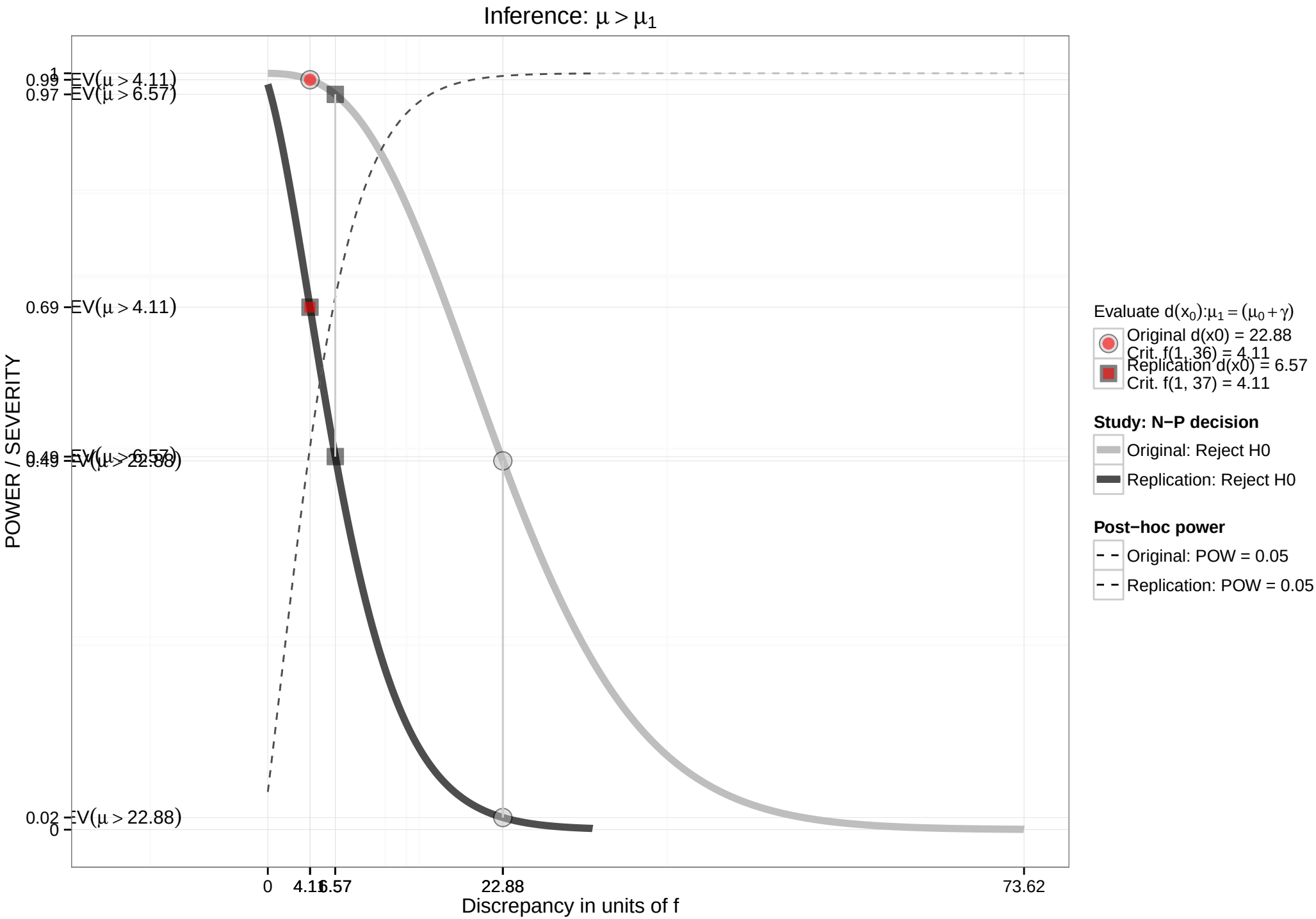

Replication Inference: μ ≤ μ1
1
0.98 EV(μ > 0.58)
0.94 EV(μ > 2.46)
0.91 EV(μ ≤ 3.67)
0.86 EV(μ ≤ 2.43)
0.73 EV(μ ≤ 0.58)
0
POWER / SEVERITY
0
0.58
2.43
3.67
45.8
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 3.67
Crit. f(4, 108) = 2.46
Replication d(x0) = 0.58
Crit. f(4, 150) = 2.43
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

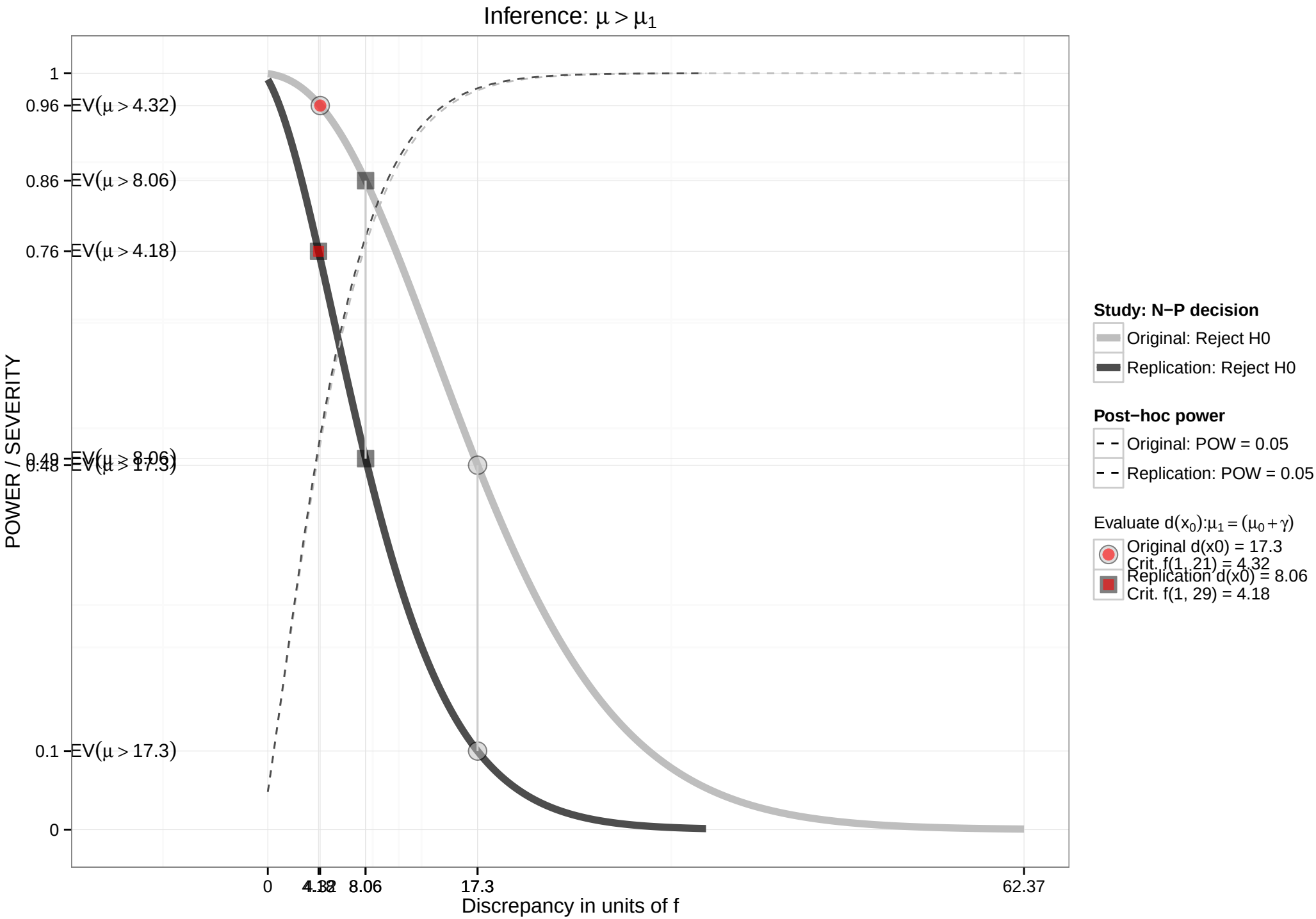

Replication Inference: μ ≤ μ1
1 – EV(μ ≤ 7.81)
0.99 – SEV(μ ≤ 4.08)
0.97 – SEV(μ ≤ 0)
0.77 – EV(μ > 4.08)
0.49 – EV(μ > 7.81)
0 –
POWER / SEVERITY
0
4.08
7.81
34.98
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 7.81
Crit. f(1, 41) = 4.08
Replication d(x0) = 0
Crit. f(1, 124) = 3.92
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

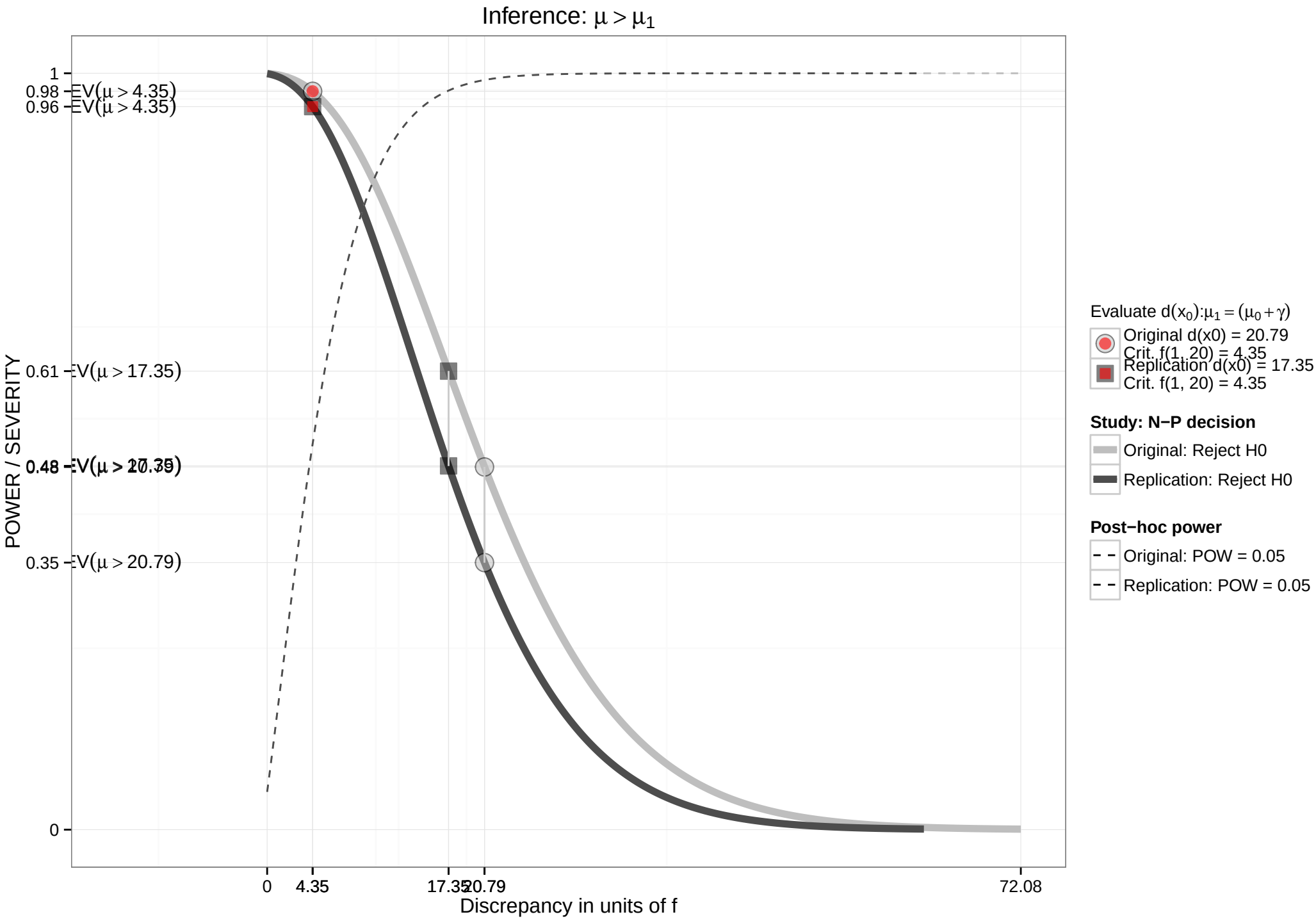

Replication Inference: μ ≤ μ1
1 − EV(μ ≤ 9.39)
0.99 − EV(μ ≤ 9.39)
0.9 − EV(μ ≤ 3.88)
0.86 − EV(μ > 3.88)
0.58 − EV(μ ≤ 0.49)
0.5 − EV(μ > 9.39)
0 −
POWER / SEVERITY
0
0.49
3.88
9.39
38.08
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 9.39
Crit. f(1, 257) = 3.88
Replication d(x0) = 0.49
Crit. f(1, 247) = 3.88
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

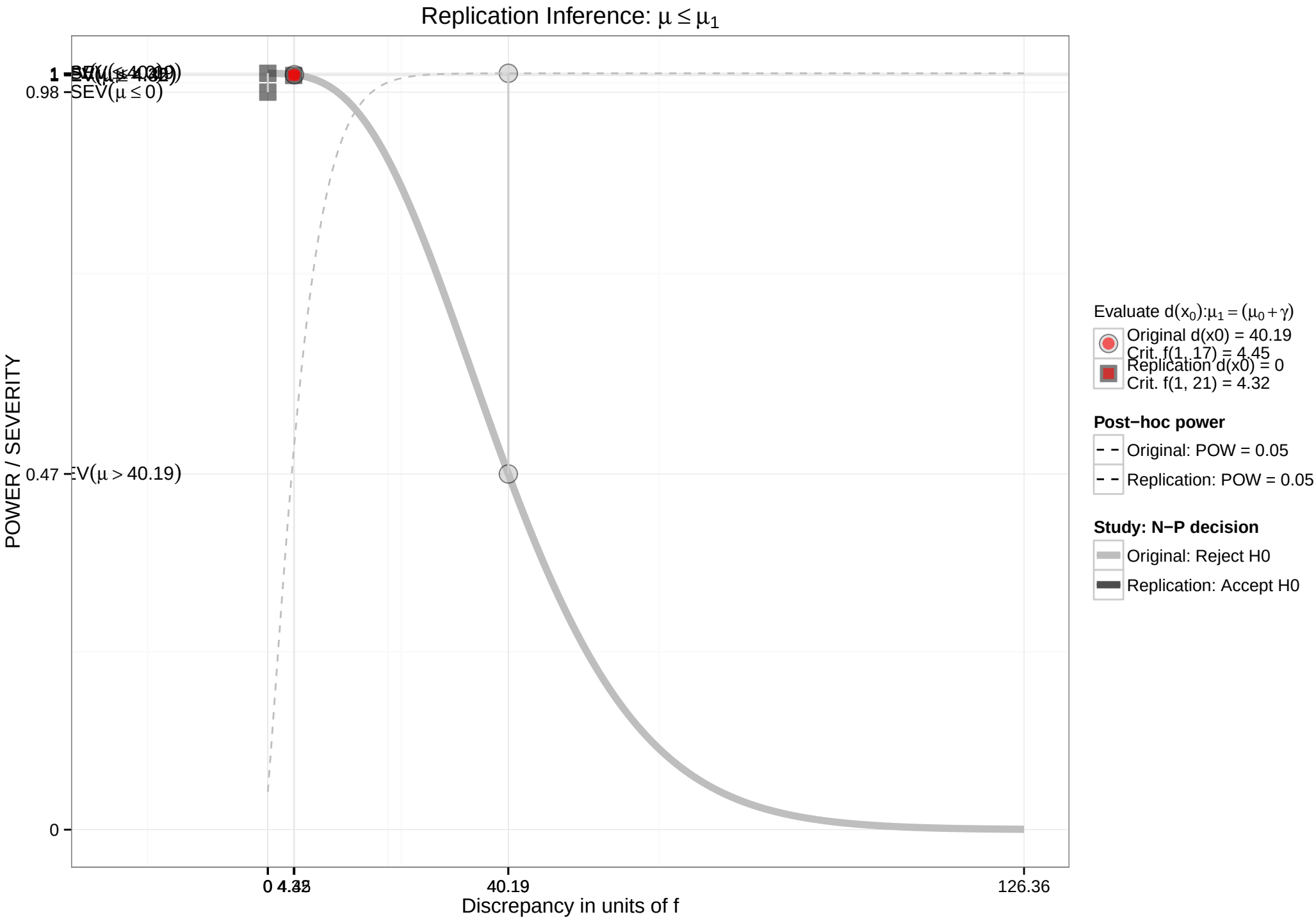

Inference: μ > μ1
POWER / SEVERITY
1
0
531.71
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 16.31
Crit. f(18, 660) = 1.62
Replication d(x0) = 12.98
Crit. f(18, 660) = 1.62
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05

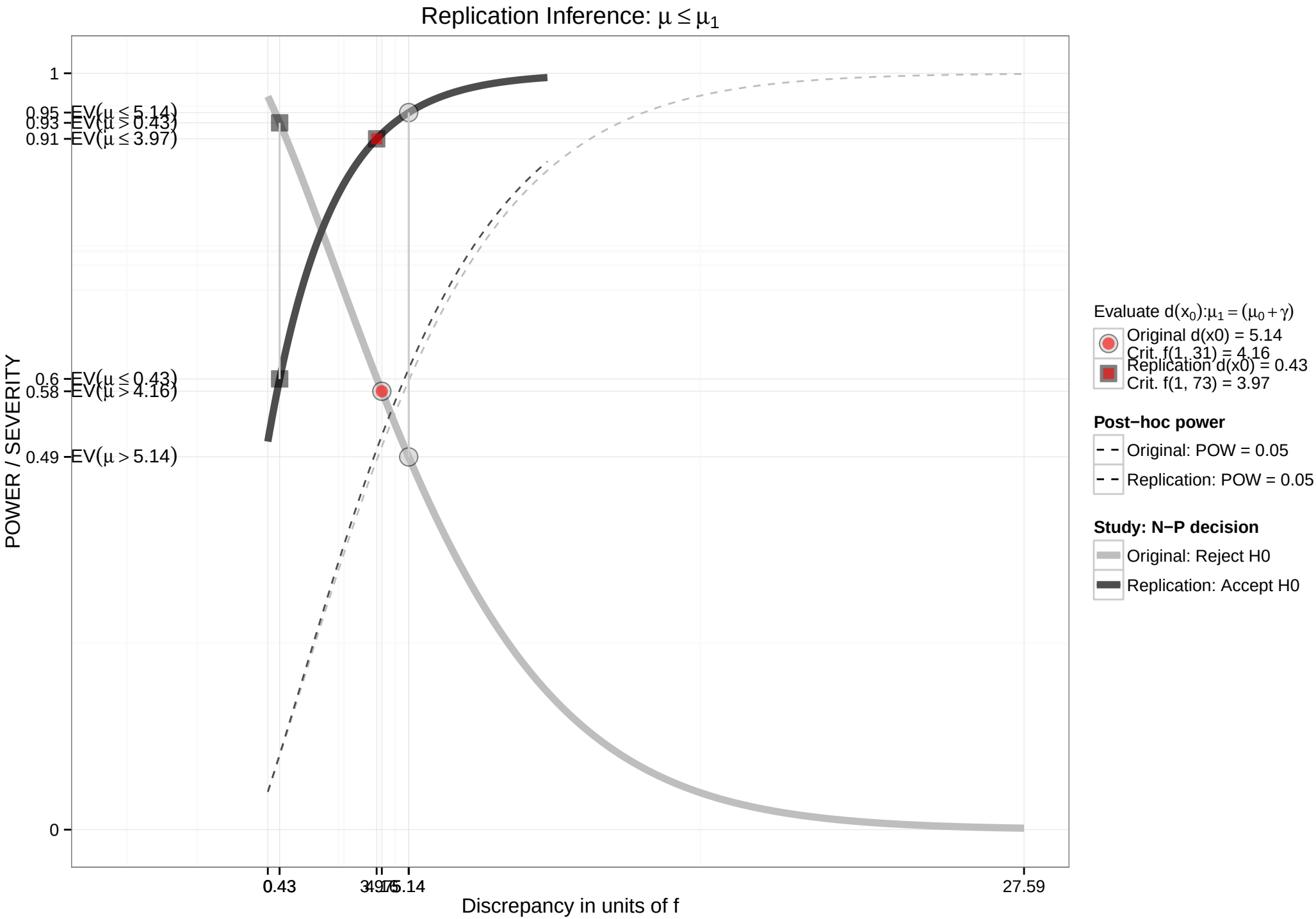

Inference: μ > μ1
POWER / SEVERITY
1
0.78 EV(μ > 4.11)
0.66 EV(μ > 5.7)
0.61 EV(μ > 4.28)
0.49 EV(μ > 5.7)
0.32 EV(μ > 8.08)
0
0
4.11
4.28
5.7
8.08
35.84
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 5.7
Crit. f(1, 23) = 4.28
Replication d(x0) = 8.08
Crit. f(1, 37) = 4.11
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05

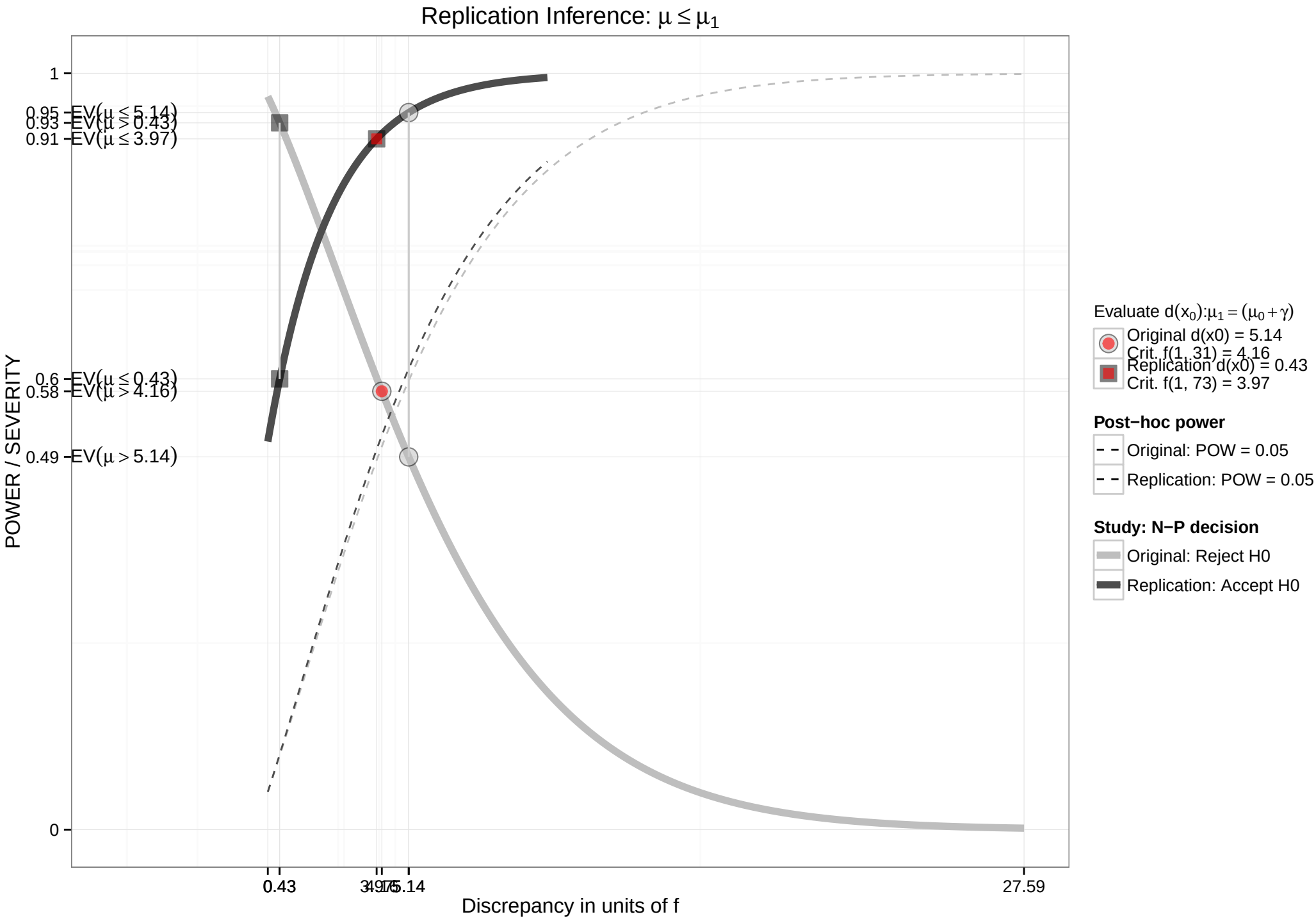

Inference: μ > μ1
1
0.99
0.97
0.69
0.49
0.02
0
SEV(μ > 4.11)
SEV(μ > 6.57)
SEV(μ > 4.11)
SEV(μ > 6.57)
SEV(μ > 22.88)
SEV(μ > 22.88)
POWER / SEVERITY
0
4.11
6.57
22.88
73.62
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 22.88
Crit. f(1, 36) = 4.11
Replication d(x0) = 6.57
Crit. f(1, 37) = 4.11
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05

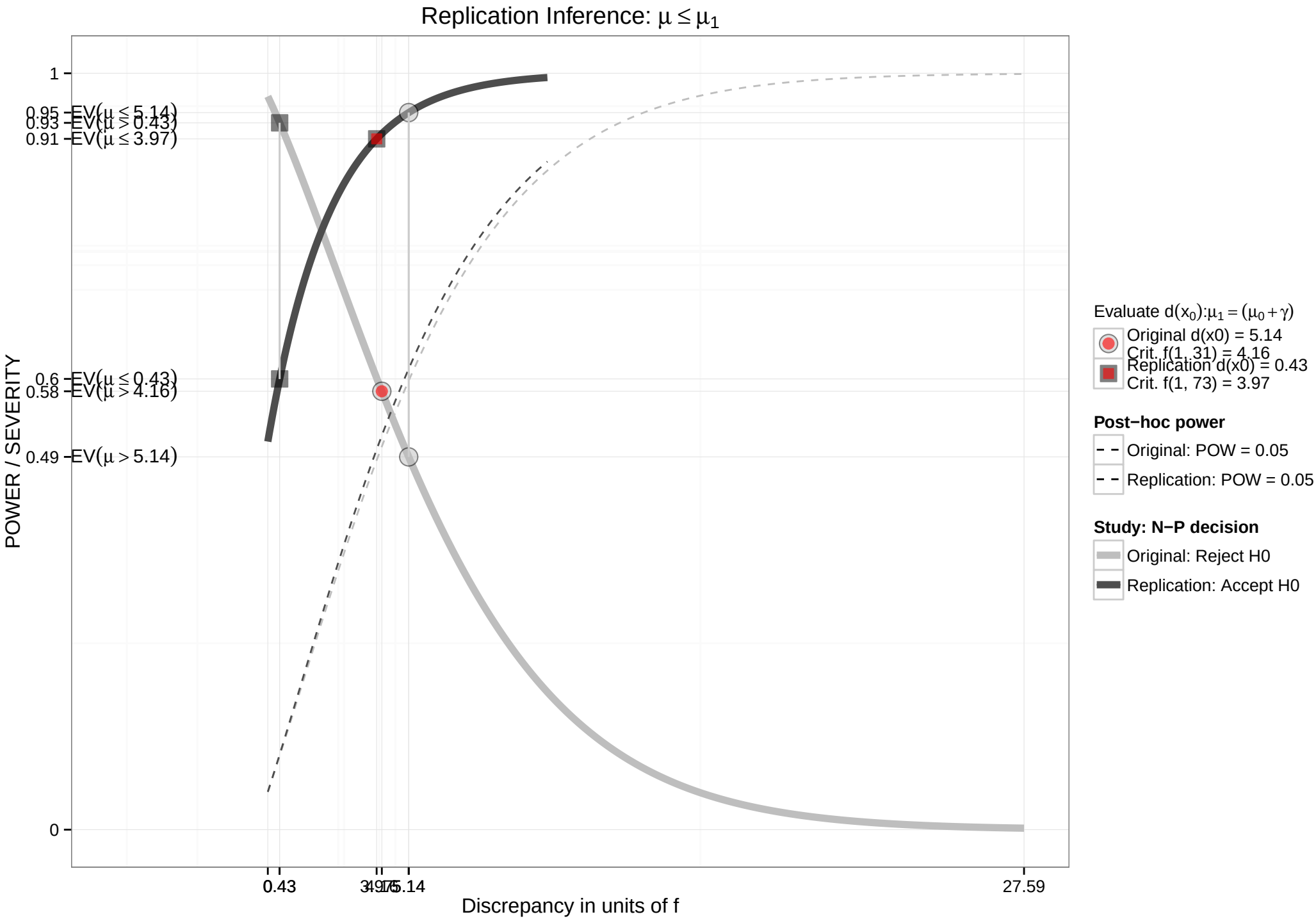

Inference: μ > μ1
1
0.96
0.86
0.76
0.49
0.48
0.1
0
EV(μ > 4.32)
EV(μ > 8.06)
EV(μ > 4.18)
EV(μ > 8.06)
EV(μ > 17.3)
EV(μ > 17.3)
POWER / SEVERITY
0
4.32
8.06
17.3
62.37
Discrepancy in units of f
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 17.3
Crit. f(1, 21) = 4.32
Replication d(x0) = 8.06
Crit. f(1, 29) = 4.18

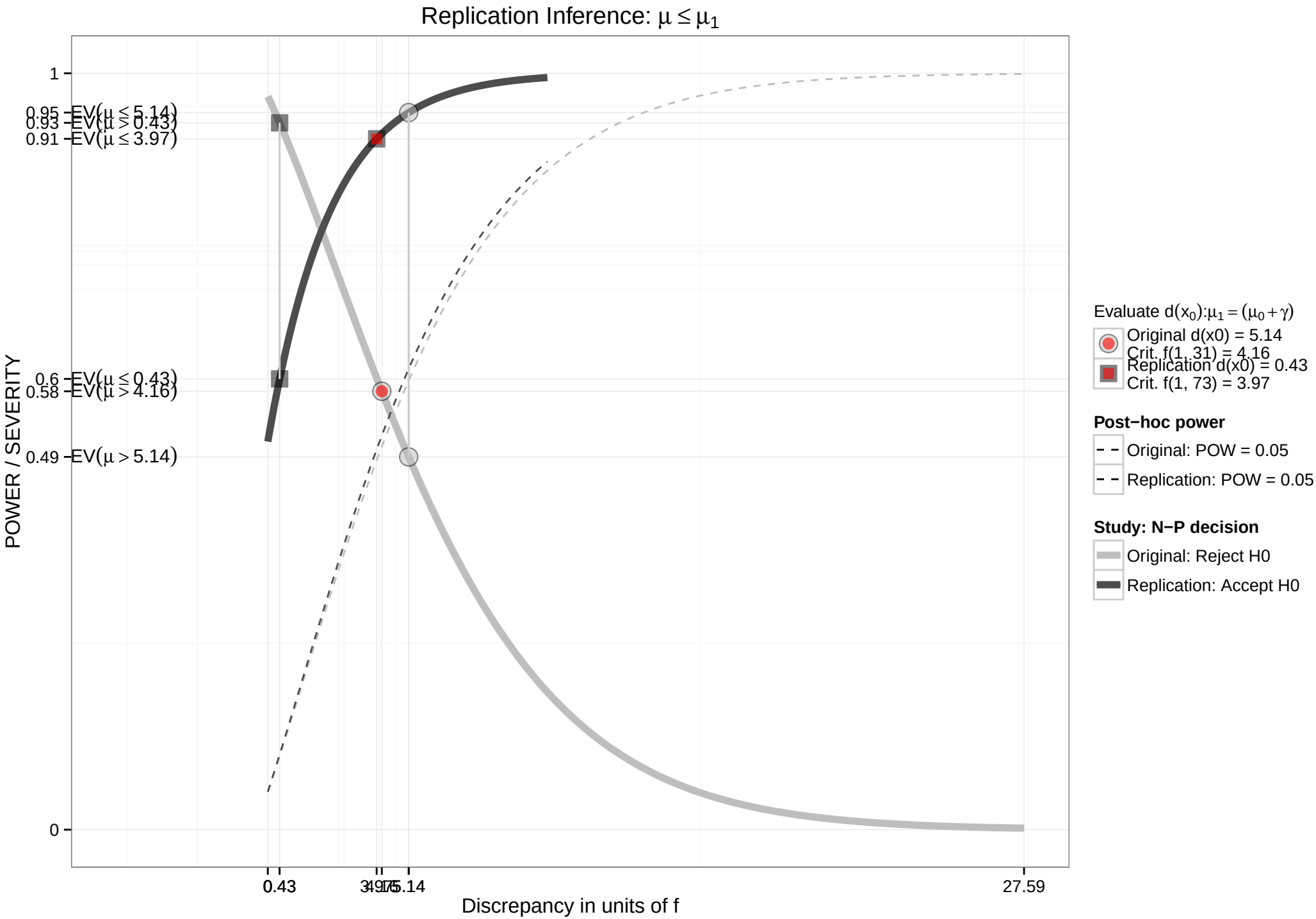

Inference: μ > μ1
1
0.98 SEV(μ > 4.35)
0.96 SEV(μ > 4.35)
0.61 SEV(μ > 17.35)
0.48 SEV(μ > 17.35)
0.35 SEV(μ > 20.79)
0
POWER / SEVERITY
0
4.35
17.35
20.79
72.08
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 20.79
Crit. f(1, 20) = 4.35
Replication d(x0) = 17.35
Crit. f(1, 20) = 4.35
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05

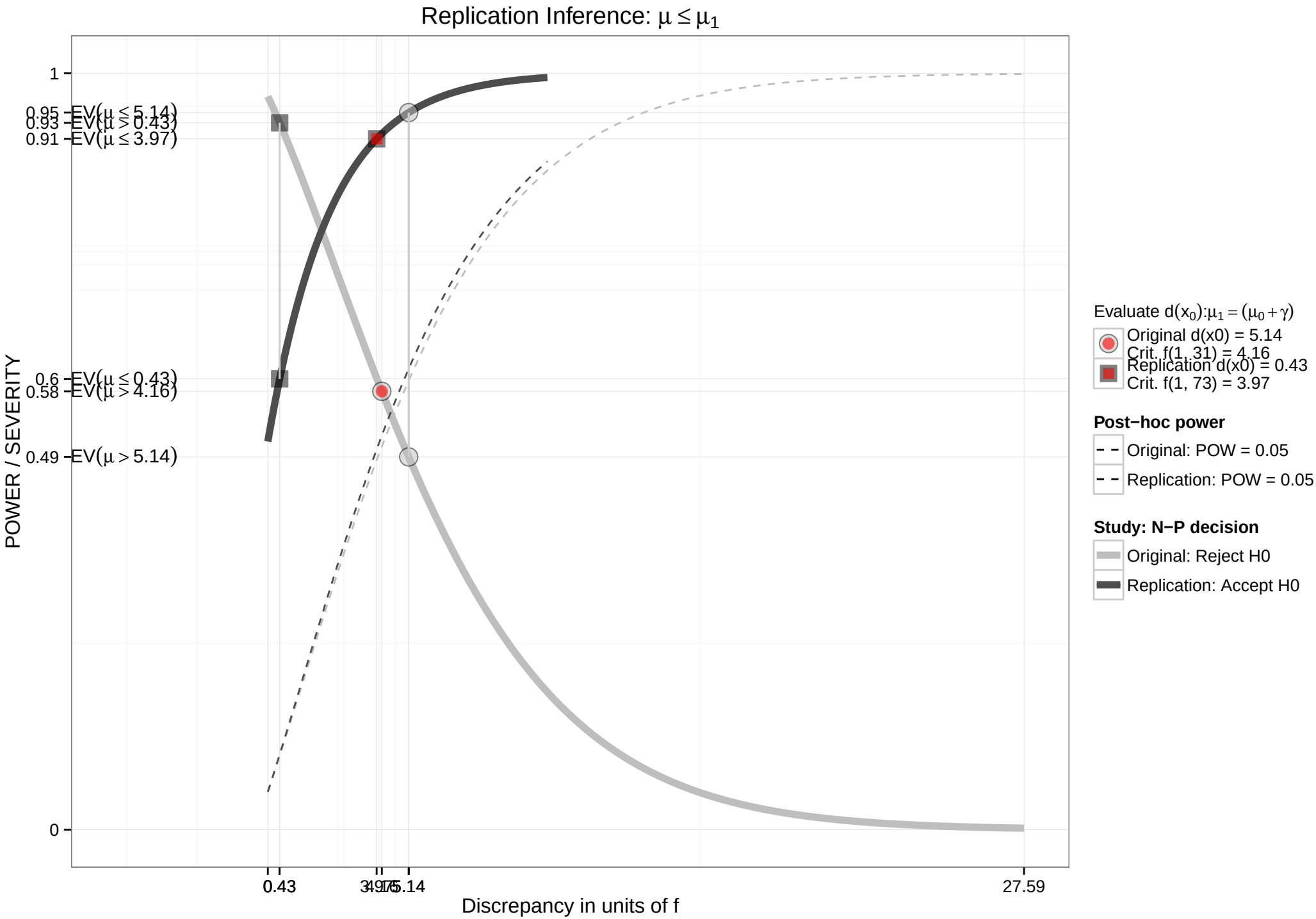

Replication Inference: μ ≤ μ1
1 − SEV(μ ≤ 40.19)
1 − SEV(μ ≤ 4.32)
0.98 − SEV(μ ≤ 0)
0.47 − SEV(μ > 40.19)
0 −
POWER / SEVERITY
0
4.32
40.19
126.36
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 40.19
Crit. f(1, 17) = 4.45
Replication d(x0) = 0
Crit. f(1, 21) = 4.32
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

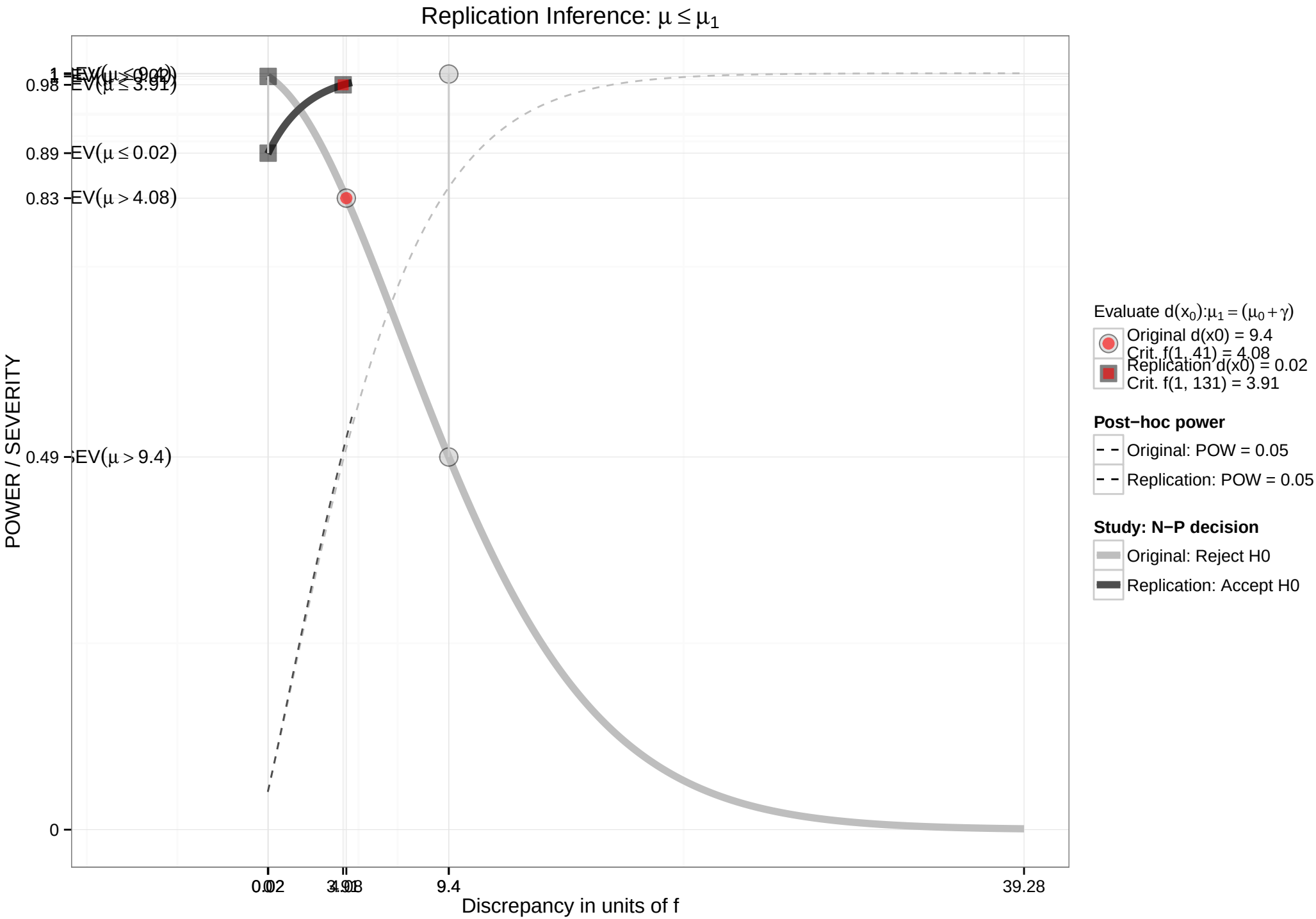

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.95 EV(μ ≤ 5.14)
0.93 EV(μ ≤ 0.43)
0.91 EV(μ ≤ 3.97)
0.6 EV(μ ≤ 0.43)
0.58 EV(μ > 4.16)
0.49 EV(μ > 5.14)
0
0.43
3.97
4.16
5.14
27.59
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 5.14
Crit. f(1, 31) = 4.16
Replication d(x0) = 0.43
Crit. f(1, 73) = 3.97
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

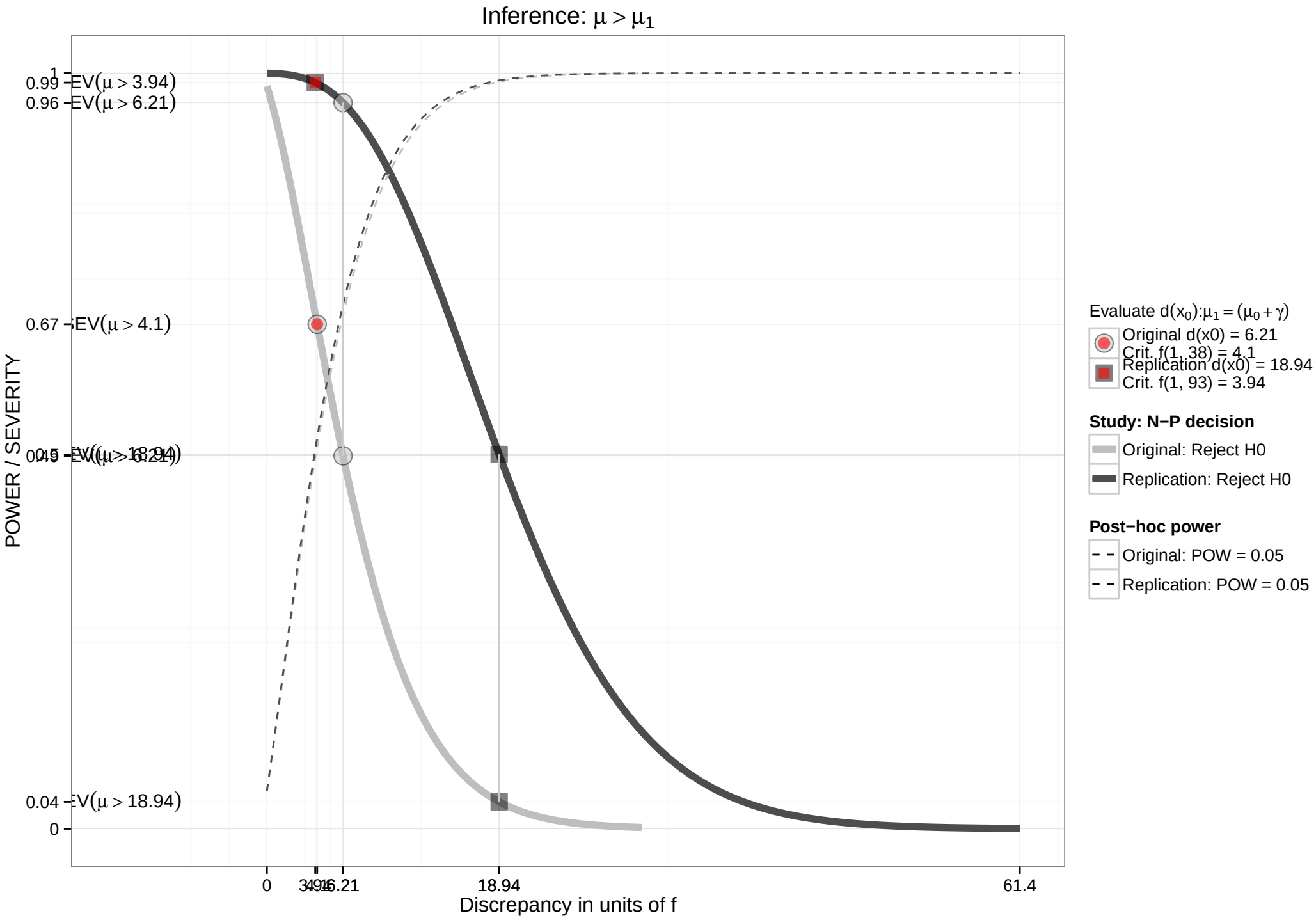

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.95 EV(μ ≤ 5.14)
0.93 EV(μ ≤ 0.43)
0.91 EV(μ ≤ 3.97)
0.6 EV(μ ≤ 0.43)
0.58 EV(μ > 4.16)
0.49 EV(μ > 5.14)
0
0.43
3.97
4.16
5.14
27.59
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 5.14
Crit. f(1, 31) = 4.16
Replication d(x0) = 0.43
Crit. f(1, 73) = 3.97
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

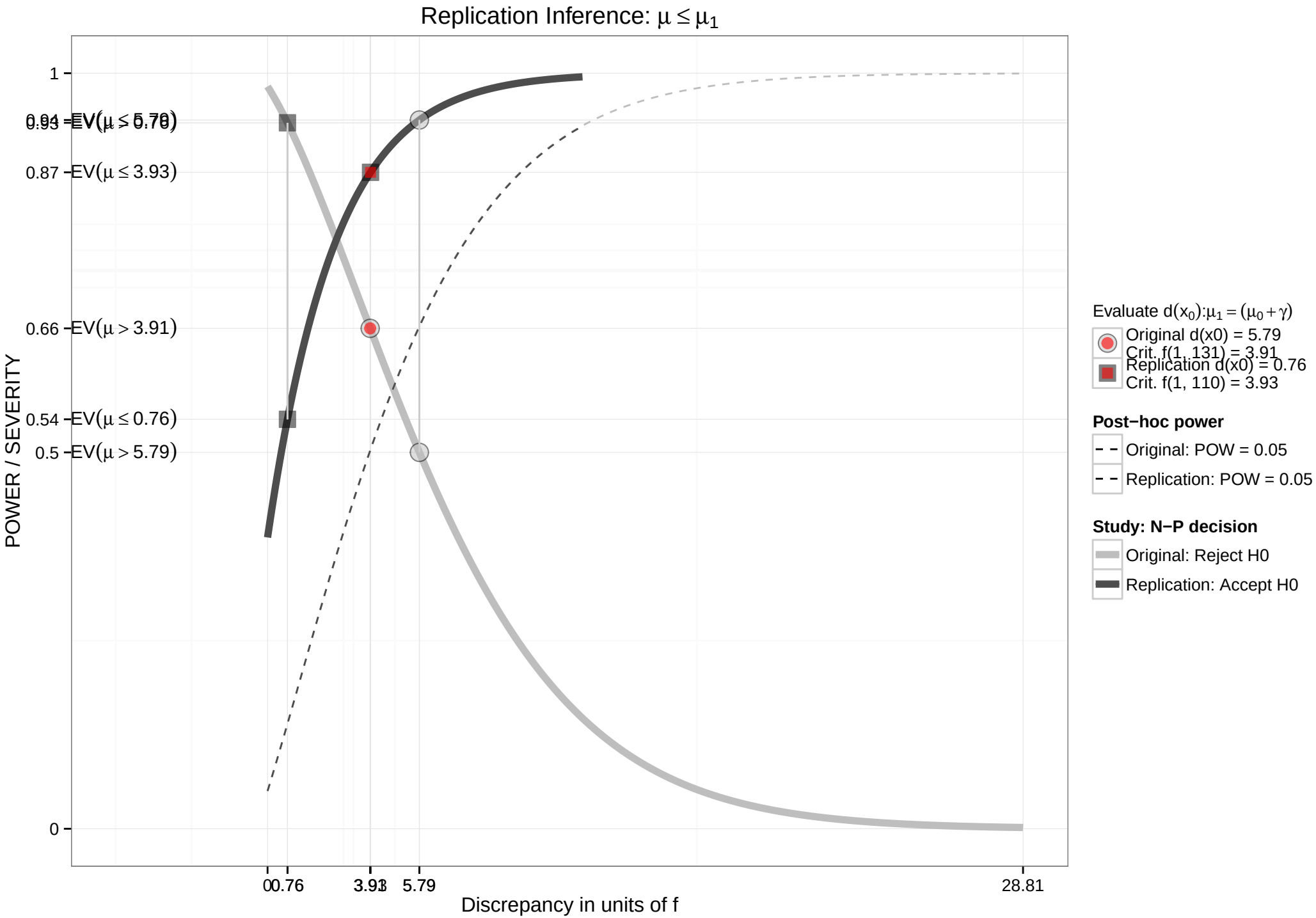

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.95 EV(μ ≤ 5.14)
0.93 EV(μ ≤ 0.43)
0.91 EV(μ ≤ 3.97)
0.6 EV(μ ≤ 0.43)
0.58 EV(μ > 4.16)
0.49 EV(μ > 5.14)
0
0.43
3.97
4.16
5.14
27.59
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 5.14
Crit. f(1, 31) = 4.16
Replication d(x0) = 0.43
Crit. f(1, 73) = 3.97
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0

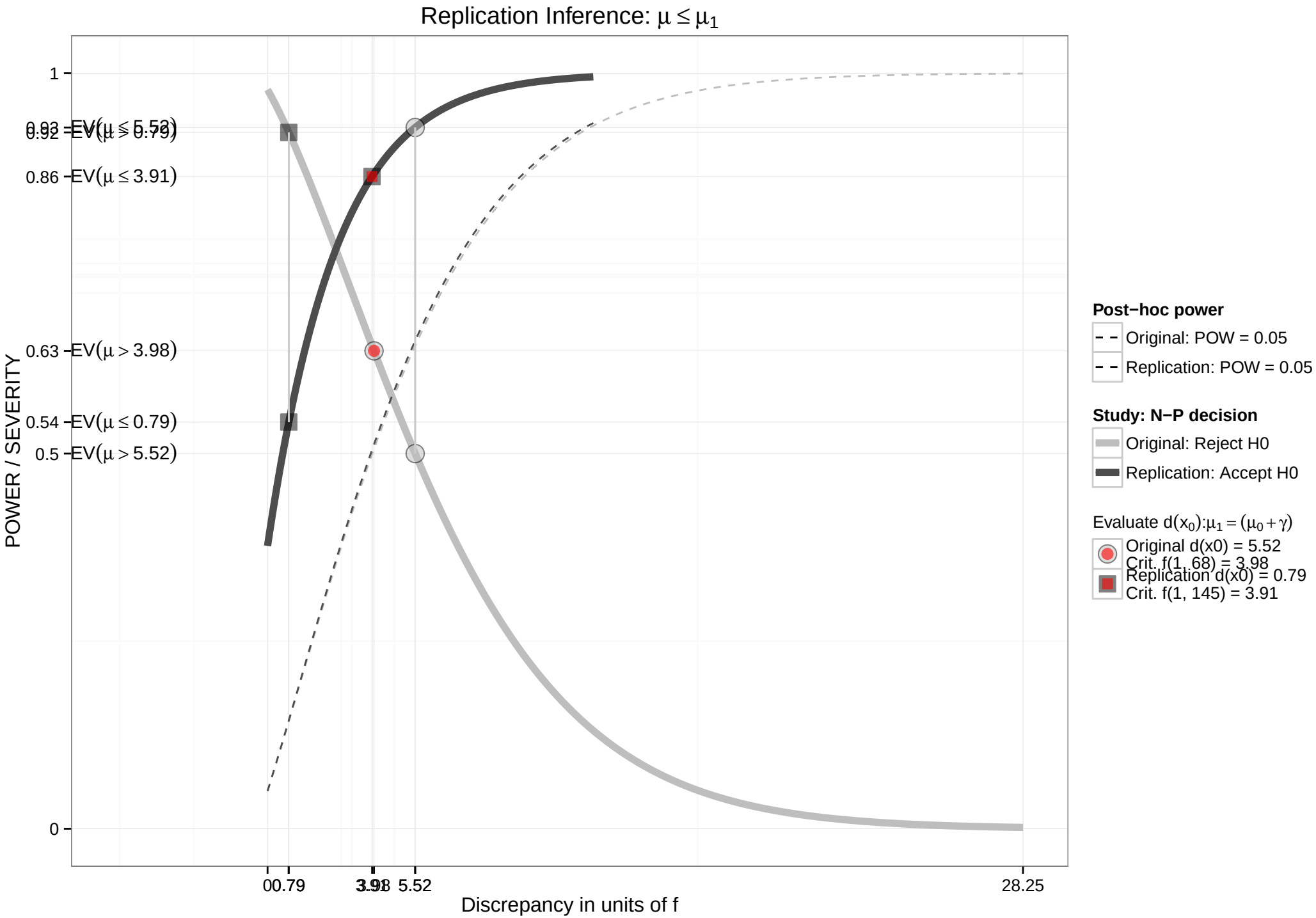

Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.95 EV(μ ≤ 5.14)
0.93 EV(μ ≤ 0.43)
0.91 EV(μ ≤ 3.97)
0.6 EV(μ ≤ 0.43)
0.58 EV(μ > 4.16)
0.49 EV(μ > 5.14)
0
0.43
3.97
4.16
5.14
27.59
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 5.14
Crit. f(1, 31) = 4.16
Replication d(x0) = 0.43
Crit. f(1, 73) = 3.97
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0


Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.95 EV(μ ≤ 5.14)
0.93 EV(μ ≤ 0.43)
0.91 EV(μ ≤ 3.97)
0.6 EV(μ ≤ 0.43)
0.58 EV(μ > 4.16)
0.49 EV(μ > 5.14)
0
0.43
3.97
4.16
5.14
27.59
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 5.14
Crit. f(1, 31) = 4.16
Replication d(x0) = 0.43
Crit. f(1, 73) = 3.97
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0


Replication Inference: μ ≤ μ1
1 − EV(μ ≤ 9.4)
0.98 − EV(μ ≤ 3.91)
0.89 − EV(μ ≤ 0.02)
0.83 − EV(μ > 4.08)
0.49 − EV(μ > 9.4)
0 −
POWER / SEVERITY
0.02
4.08
9.4
39.28
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 9.4
Crit. f(1, 41) = 4.08
Replication d(x0) = 0.02
Crit. f(1, 131) = 3.91
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0


Inference: μ > μ1
1
0.99
EV(μ > 3.94)
0.96
EV(μ > 6.21)
0.67
EV(μ > 4.1)
0.49
0.04
EV(μ > 18.94)
0
POWER / SEVERITY
0
3.94
6.21
18.94
61.4
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 6.21
Crit. f(1, 38) = 4.1
Replication d(x0) = 18.94
Crit. f(1, 93) = 3.94
Study: N−P decision
Original: Reject H0
Replication: Reject H0
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05


Replication Inference: μ ≤ μ1
1
0.94 EV(μ ≤ 5.79)
0.93 EV(μ ≤ 5.79)
0.87 EV(μ ≤ 3.93)
0.66 EV(μ > 3.91)
0.54 EV(μ ≤ 0.76)
0.5 EV(μ > 5.79)
0
POWER / SEVERITY
0
0.76
3.91
3
5.79
28.81
Discrepancy in units of f
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 5.79
Crit. f(1, 131) = 3.91
Replication d(x0) = 0.76
Crit. f(1, 110) = 3.93
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0


Replication Inference: μ ≤ μ1
POWER / SEVERITY
1
0.93 = EV(μ ≤ 5.52)
0.92 = EV(μ ≤ 0.79)
0.86 = EV(μ ≤ 3.91)
0.63 = EV(μ > 3.98)
0.54 = EV(μ ≤ 0.79)
0.5 = EV(μ > 5.52)
0
0
0.79
3.91
3.98
5.52
28.25
Discrepancy in units of f
Post−hoc power
Original: POW = 0.05
Replication: POW = 0.05
Study: N−P decision
Original: Reject H0
Replication: Accept H0
Evaluate d(x0):μ1 = (μ0 + γ)
Original d(x0) = 5.52
Crit. f(1, 68) = 3.98
Replication d(x0) = 0.79
Crit. f(1, 145) = 3.91