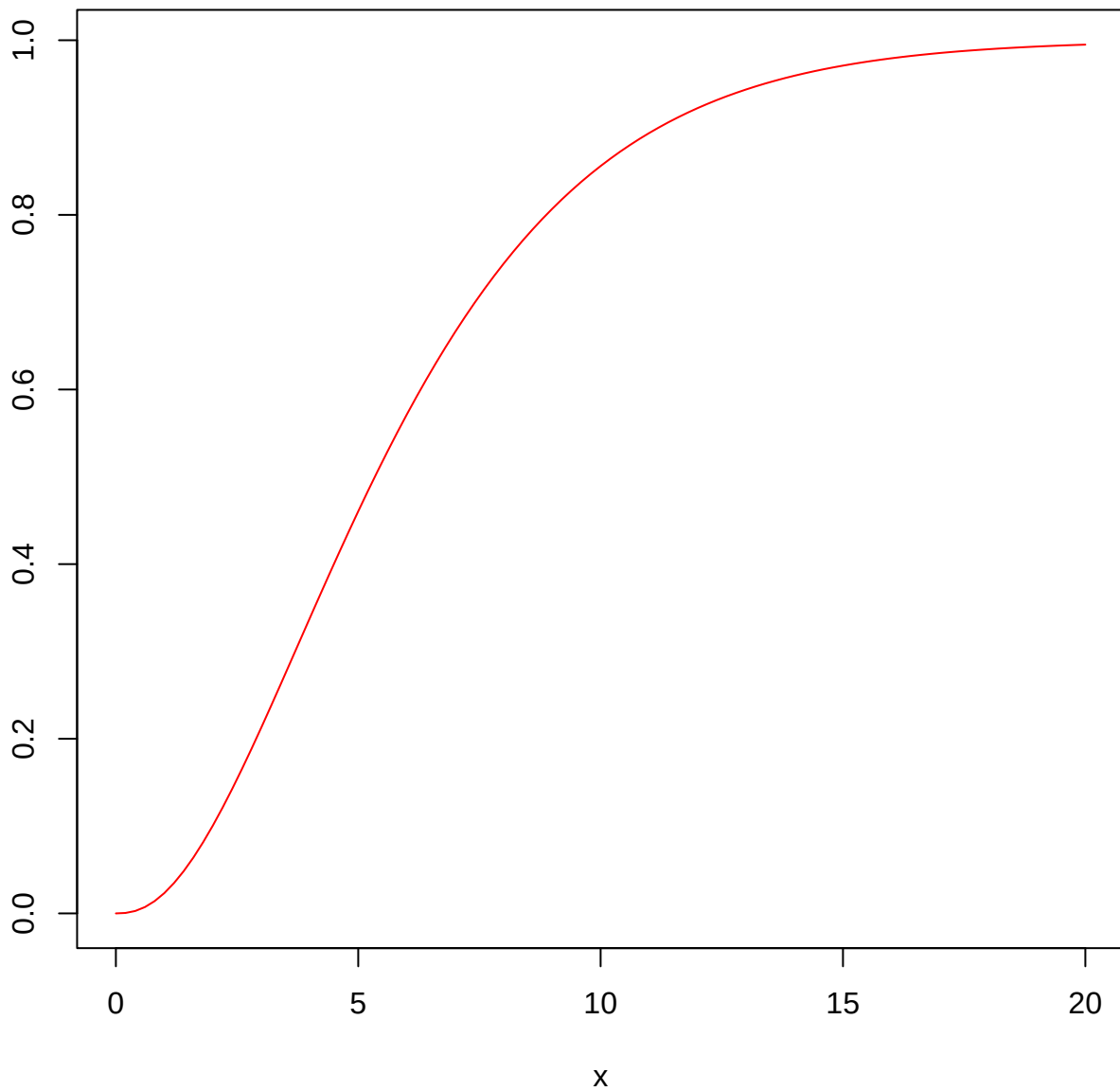
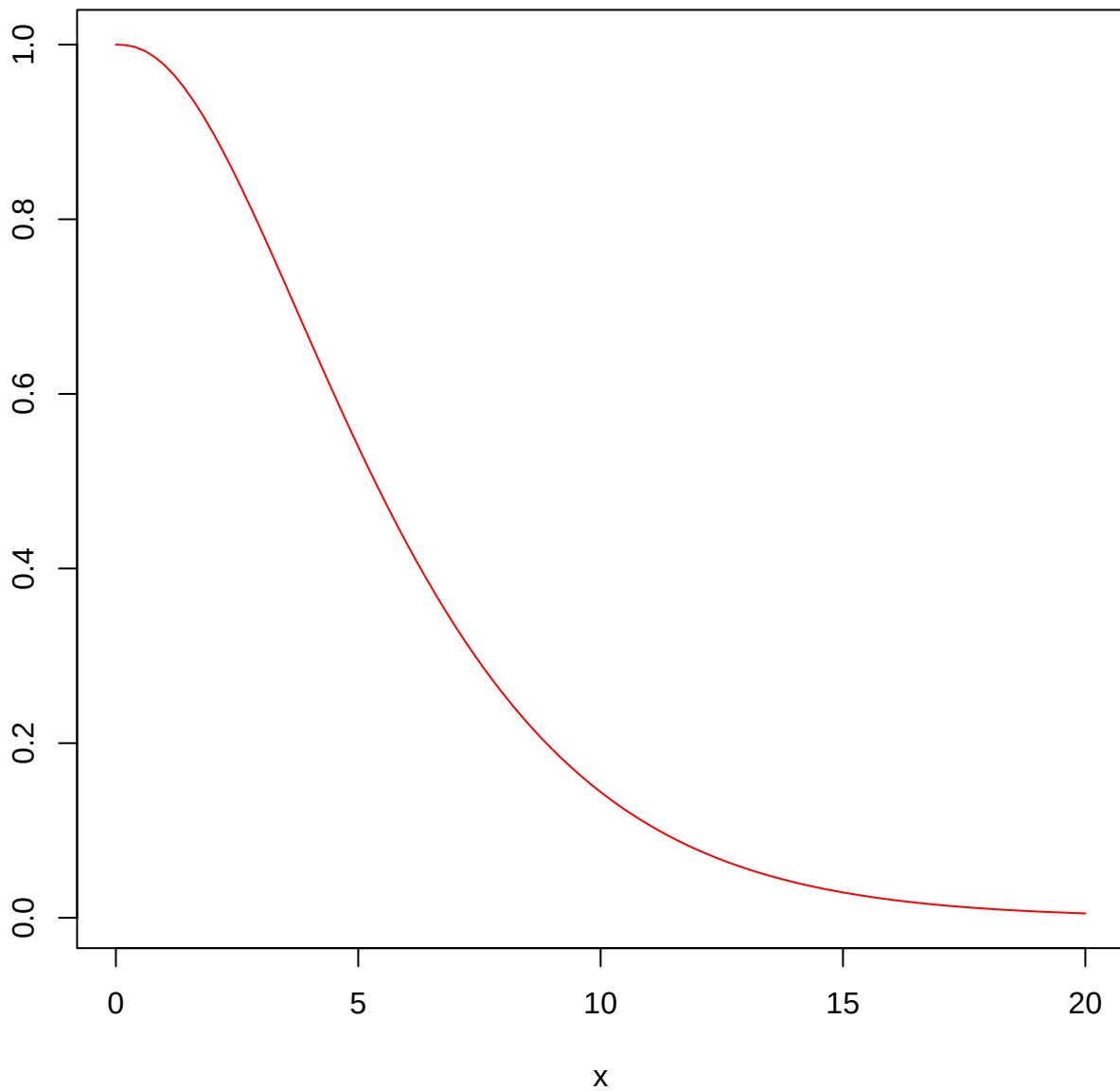


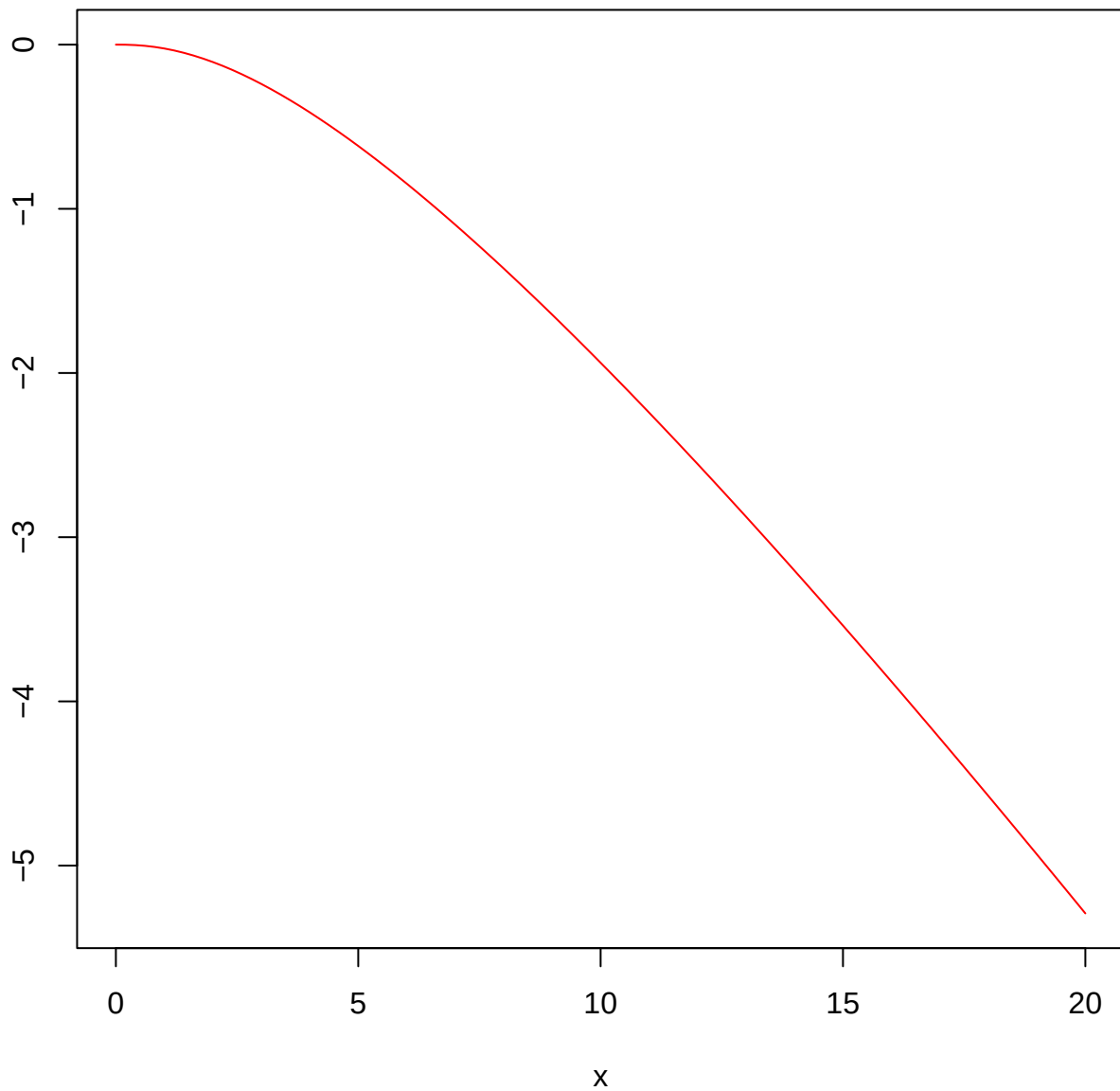
$\text{pnc} \leftarrow \text{pchisq}(x, 5, \text{ncp} = 1.1)$



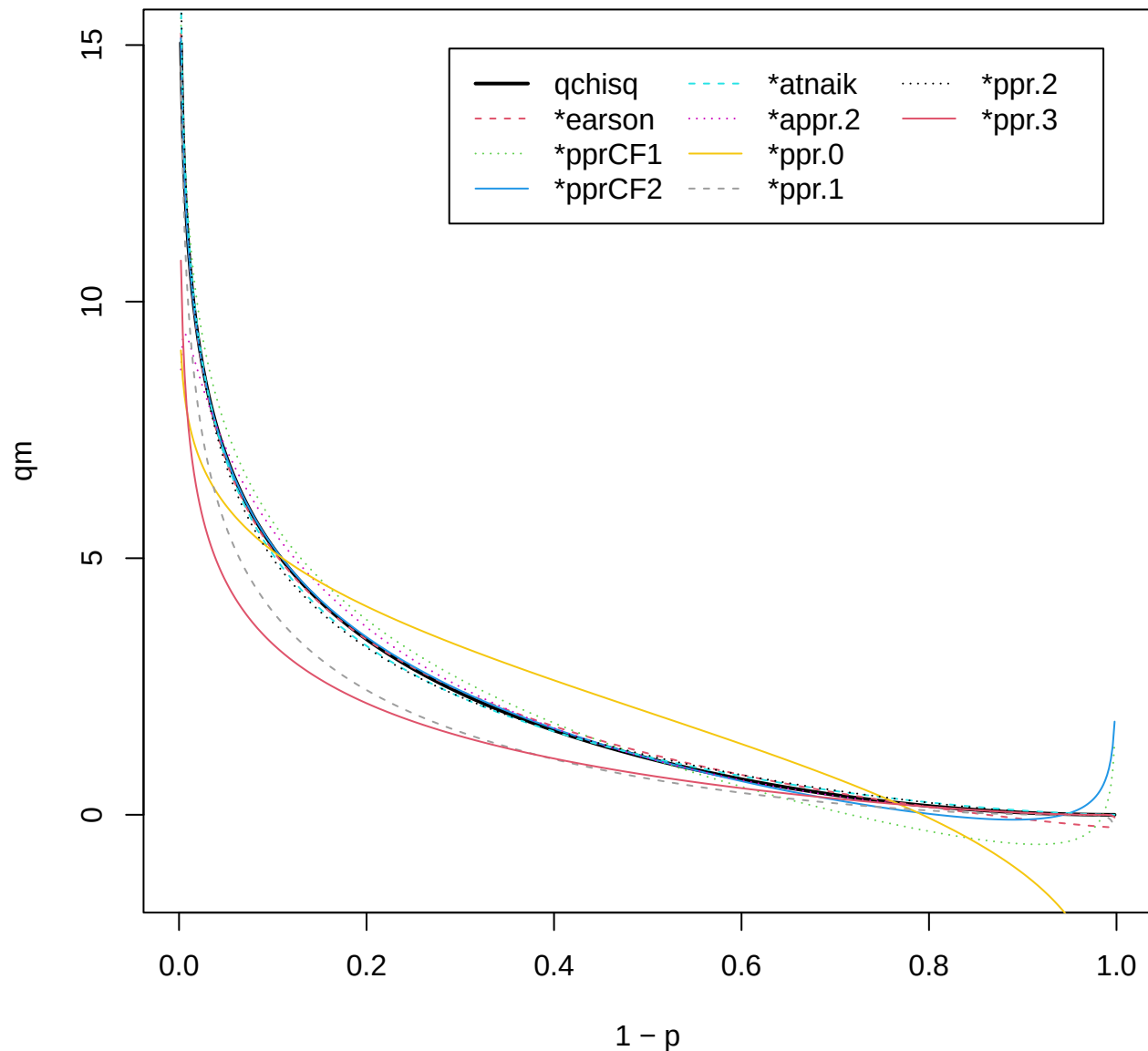
pncR <- pchisq(x, 5, ncp = 1.1, lower = FALSE)



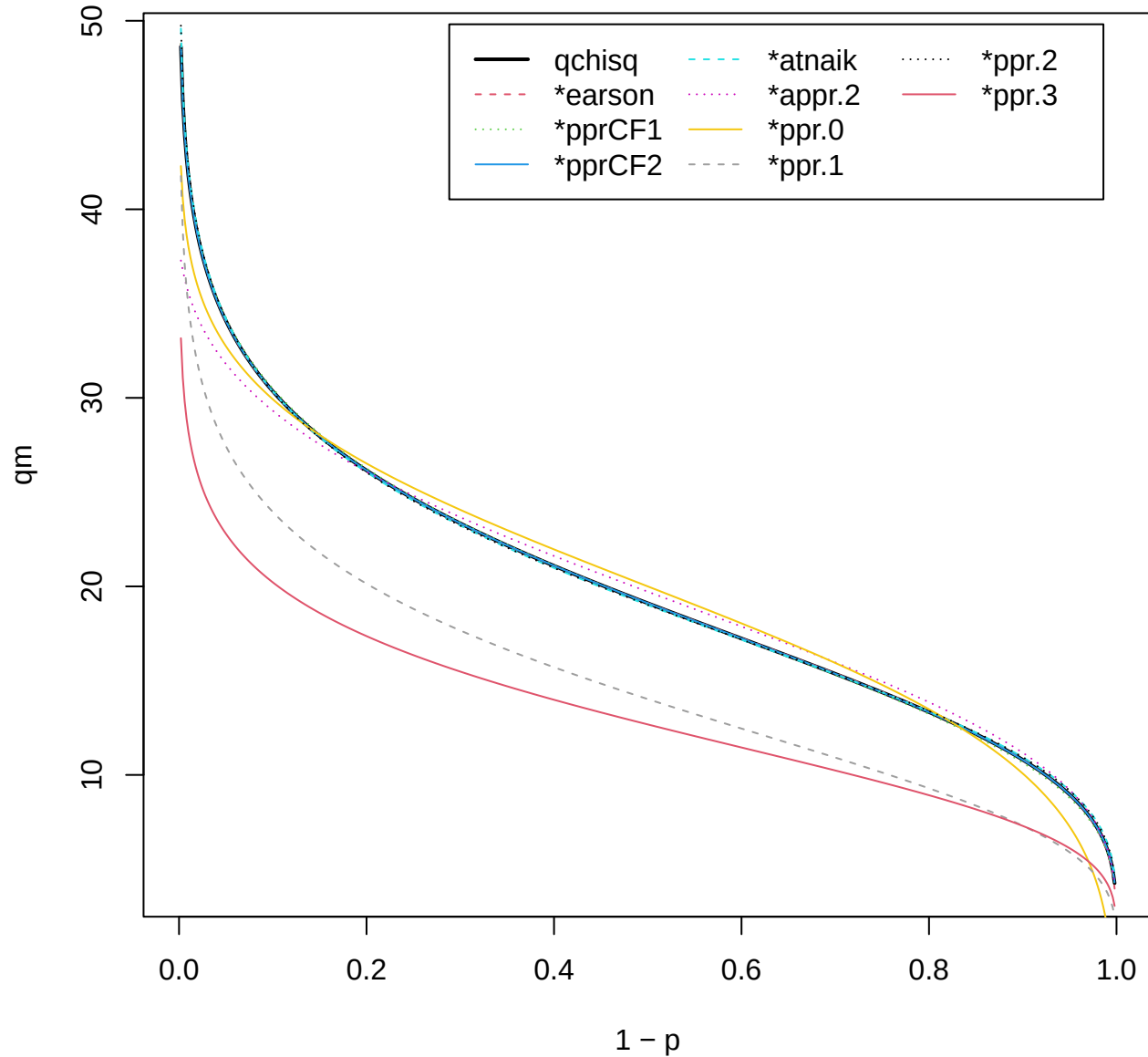
LpncR <- pchisq(x, 5, ncp = 1.1, lower = FALSE, log = TRUE)



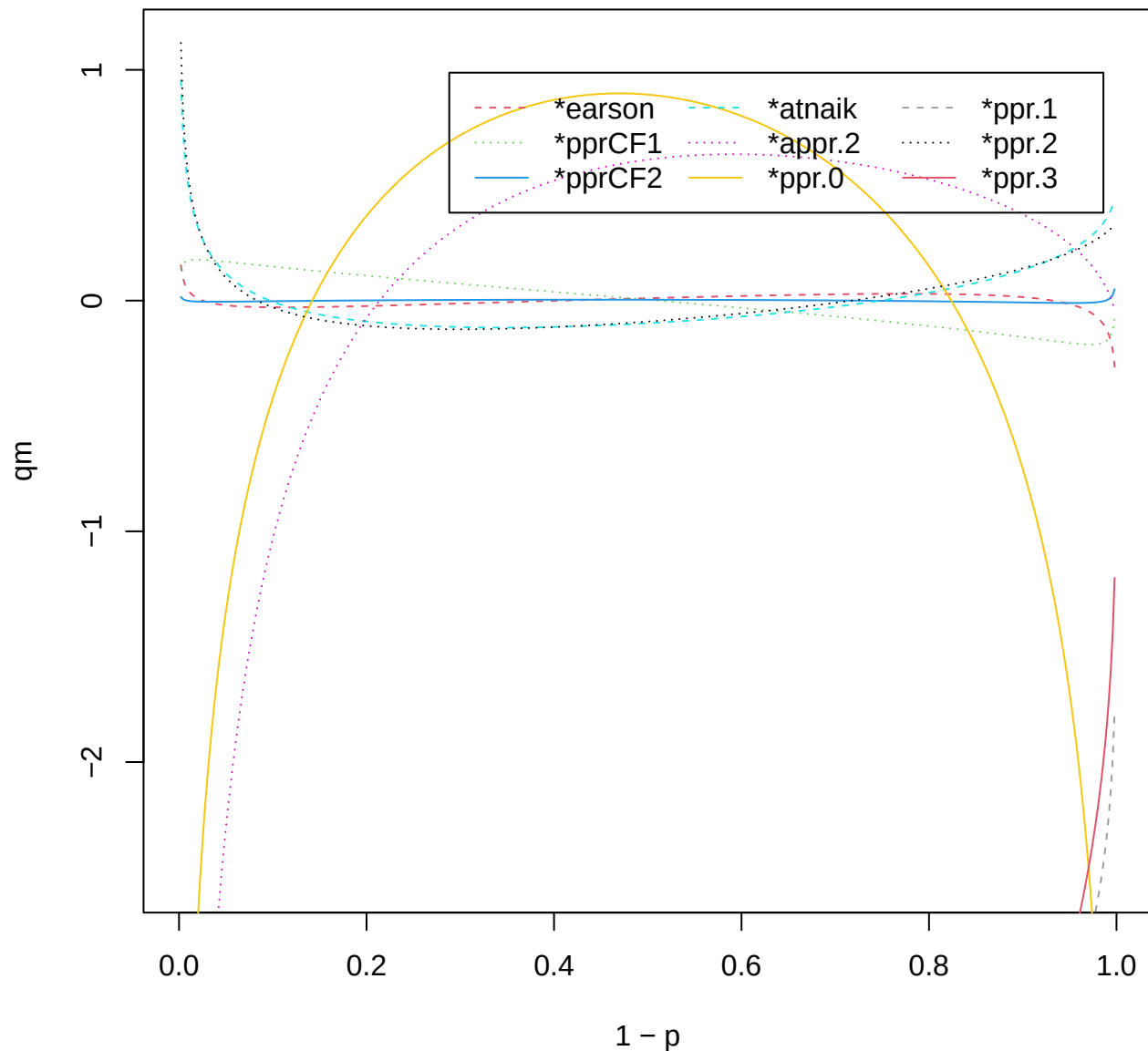
p.qappr(p = pU, df = 1, ncp = 1)
different approximations to qchisq()



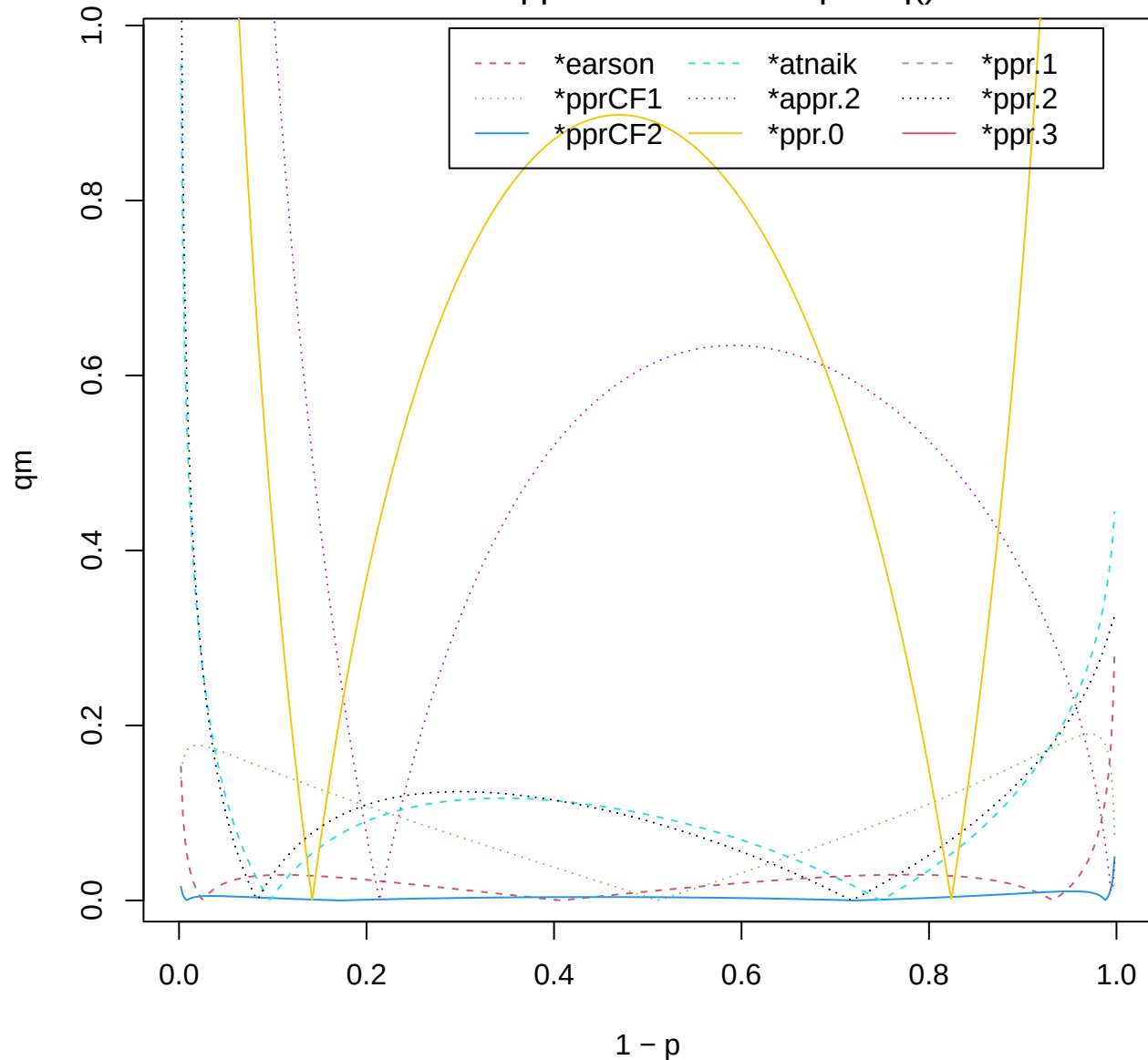
p.qappr(p = pU, df = 10, ncp = 10)
different approximations to qchisq()



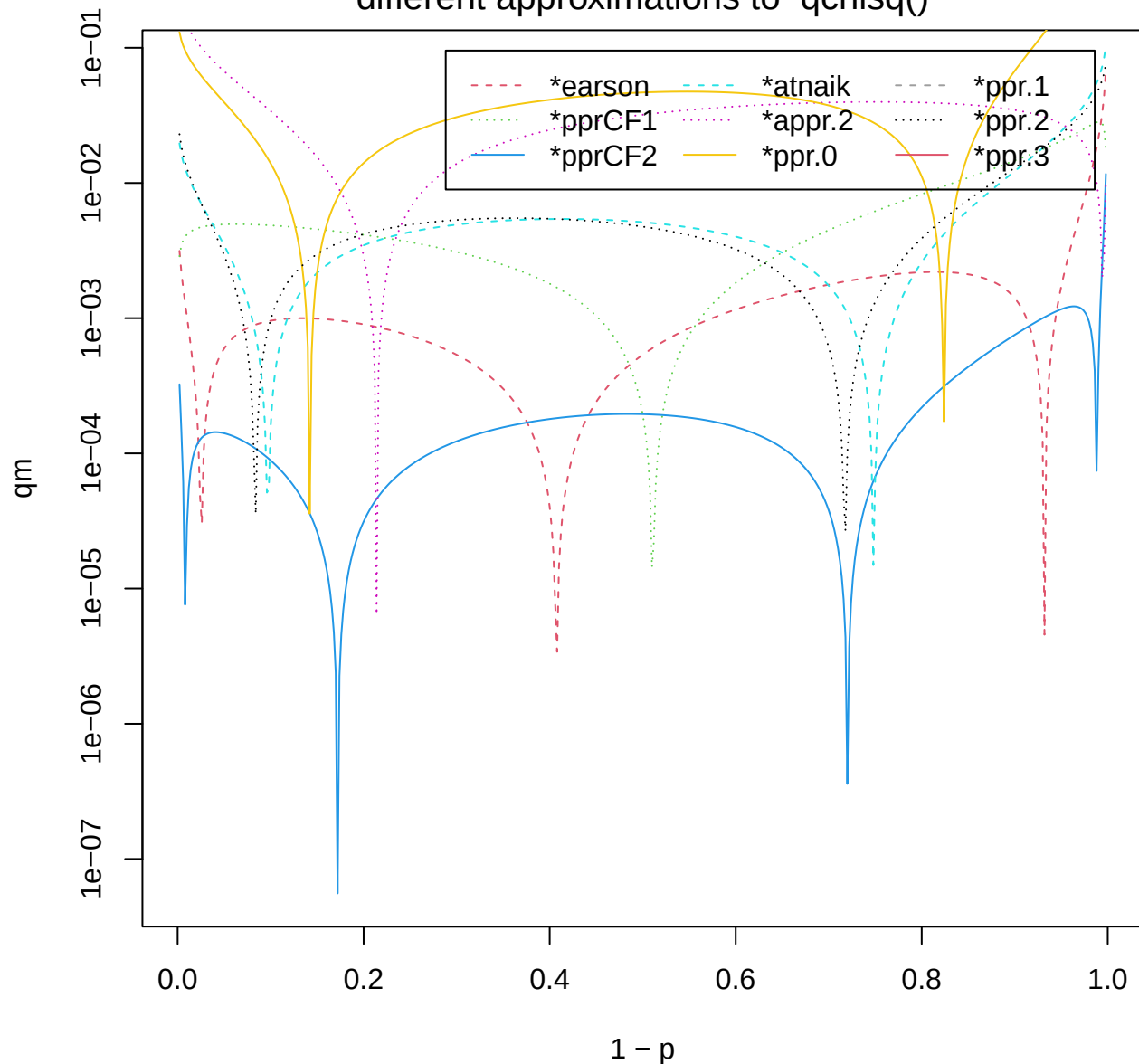
p.qappr(p = pU, df = 10, ncp = 10, kind = "diff", ylim.range = 1)
different approximations to qchisq()



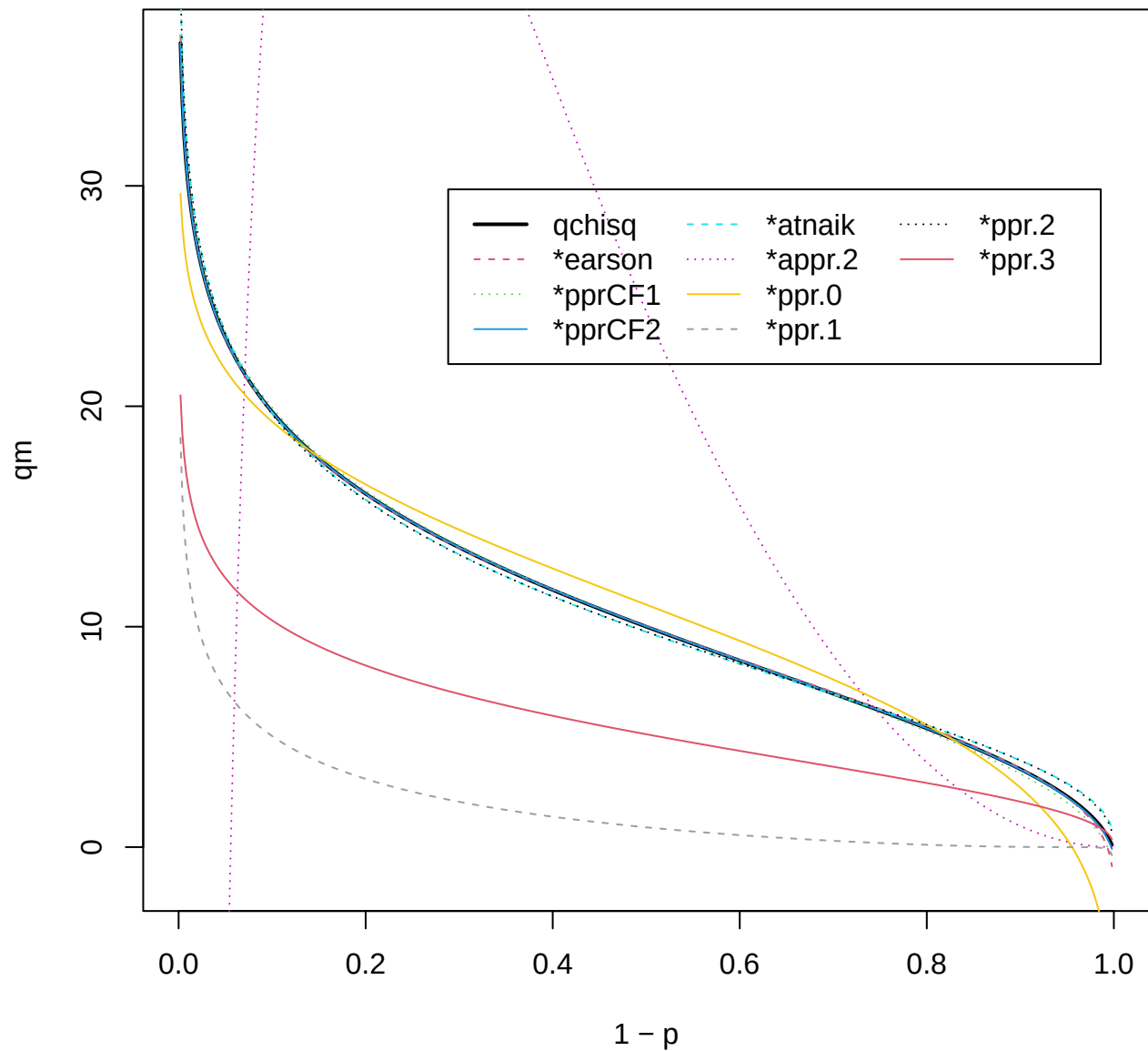
p.qappr(p = pU, df = 10, ncp = 10, kind = "abs", ylim.range = 0.01)
different approximations to qchisq()



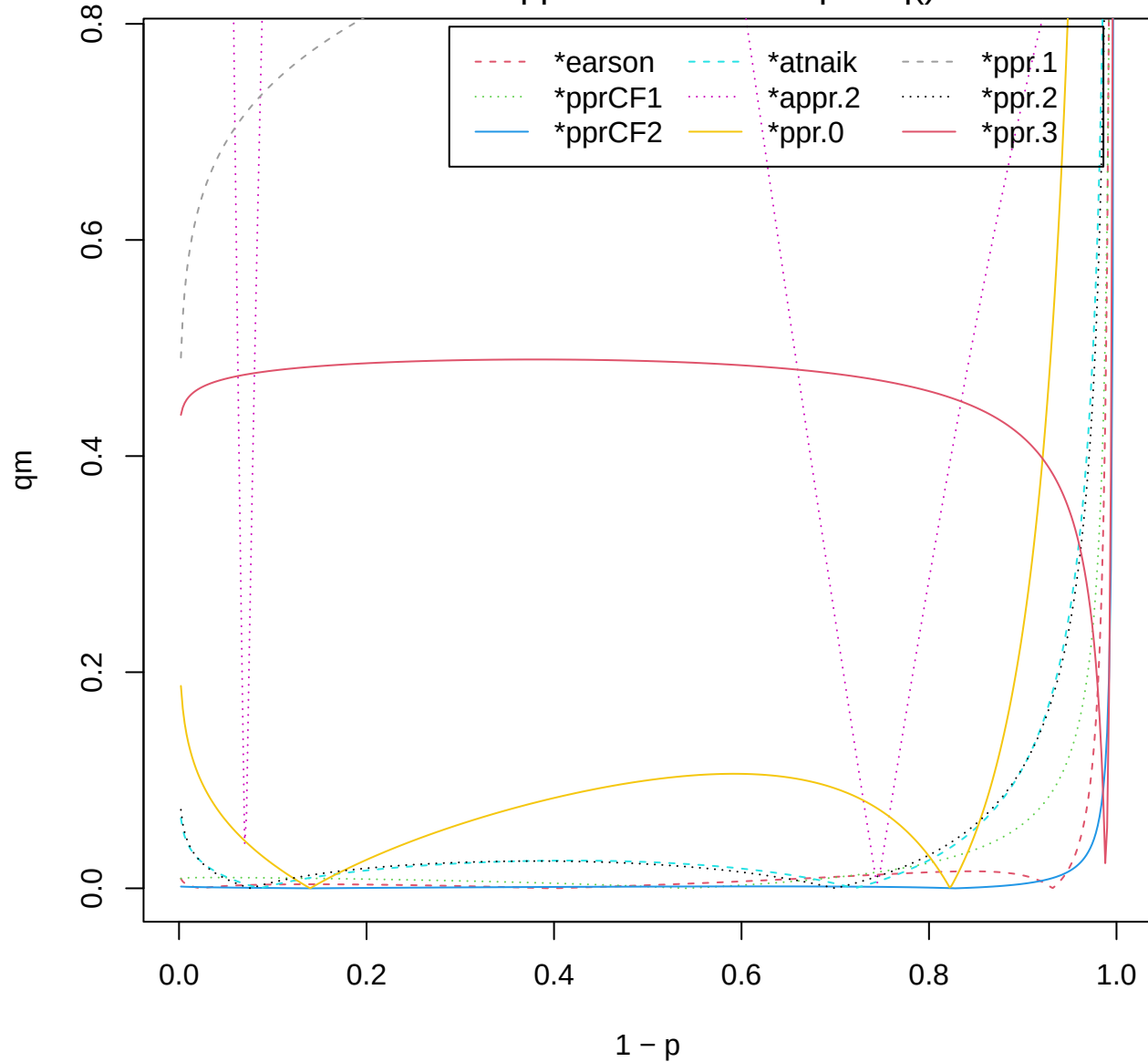
p.qappr(p = pU, df = 10, ncp = 10, kind = "rel", log = "y")
different approximations to qchisq()



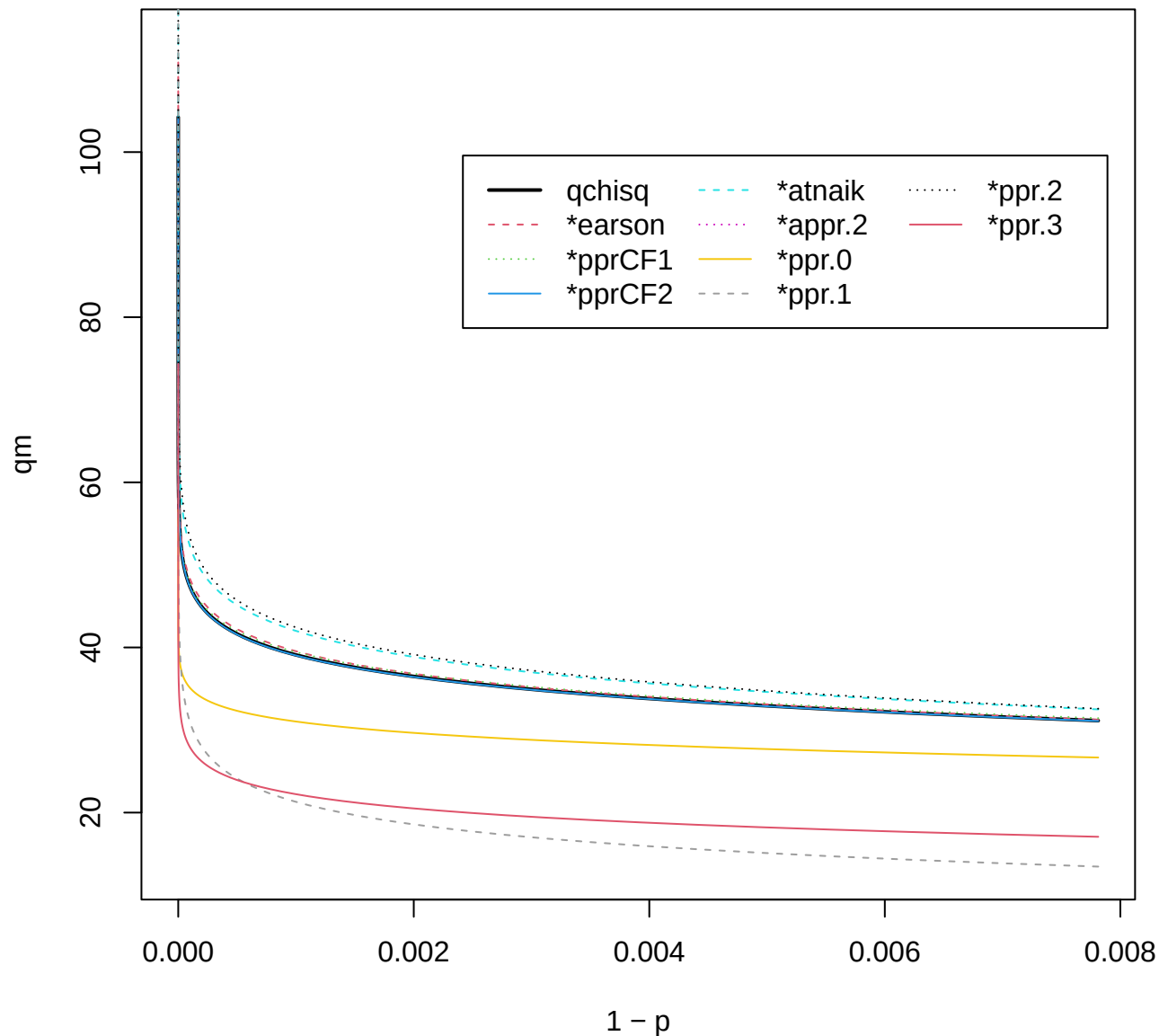
p.qappr(p = pU, df = 1, ncp = 10)
different approximations to qchisq()



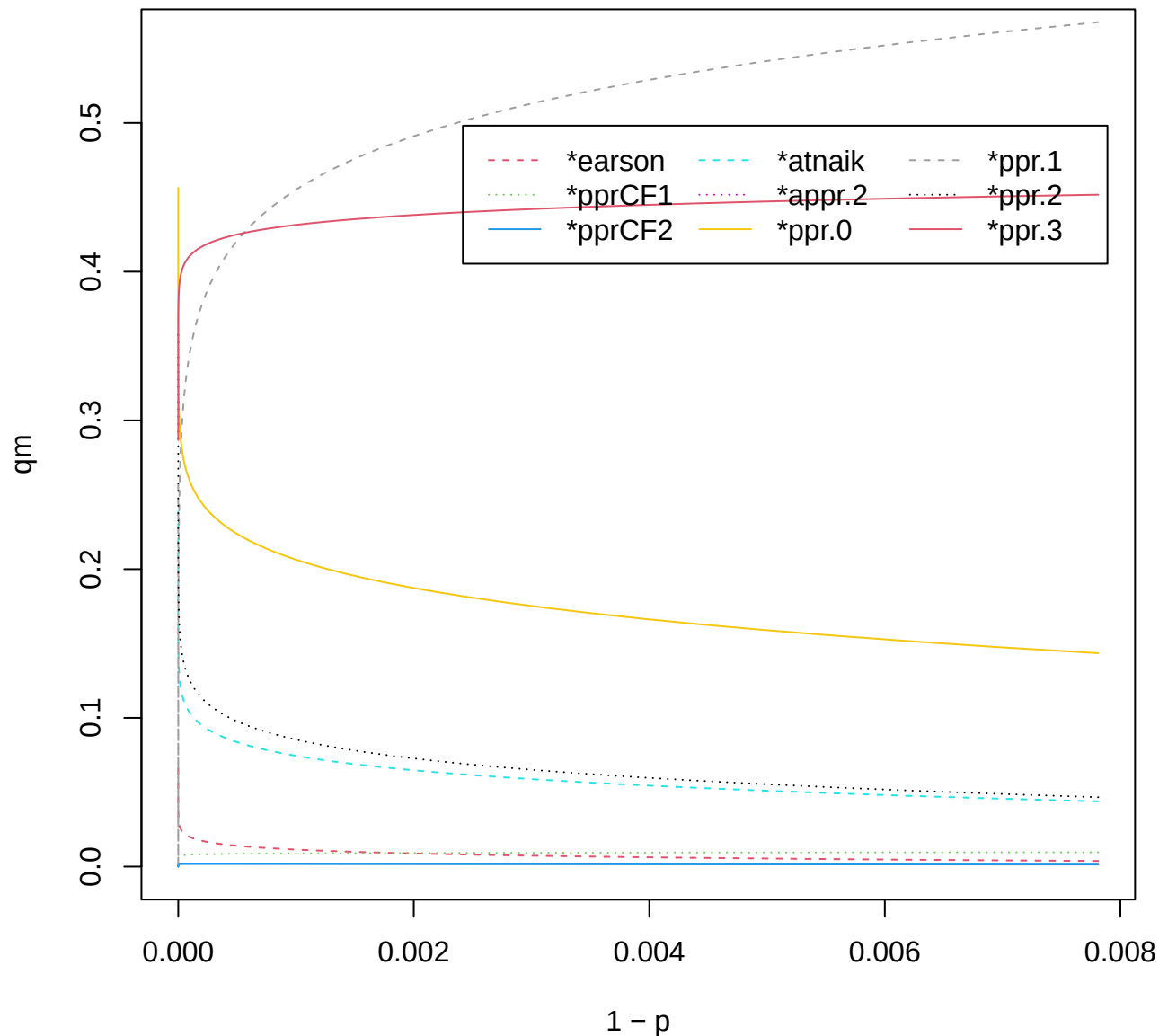
p.qappr(p = pU, df = 1, ncp = 10, kind = "rel")
different approximations to qchisq()



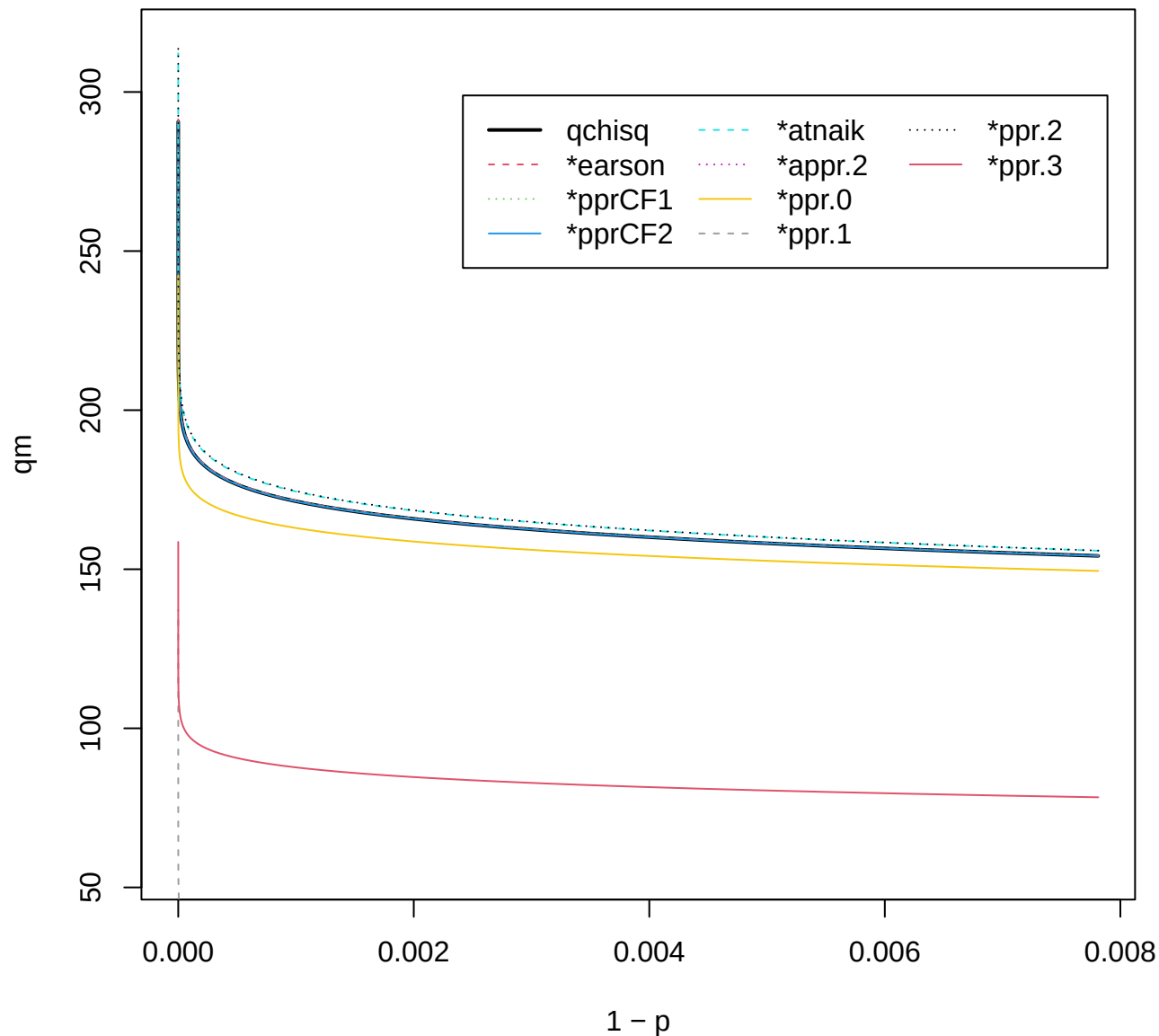
p.qappr(p = pU, df = 1, ncp = 10)
different approximations to qchisq()



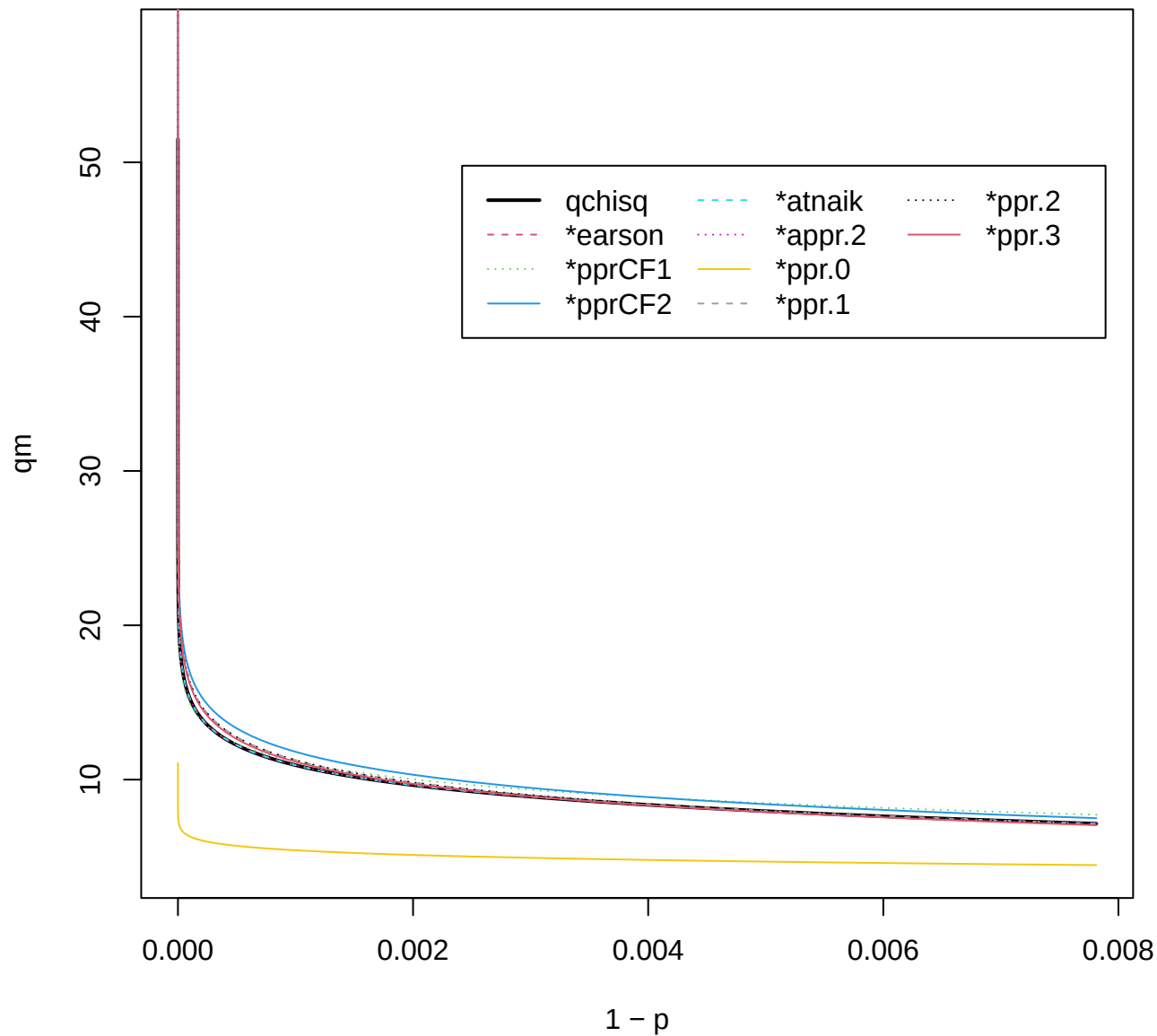
p.qappr(p = pU, df = 1, ncp = 10, kind = "rel")
different approximations to qchisq()



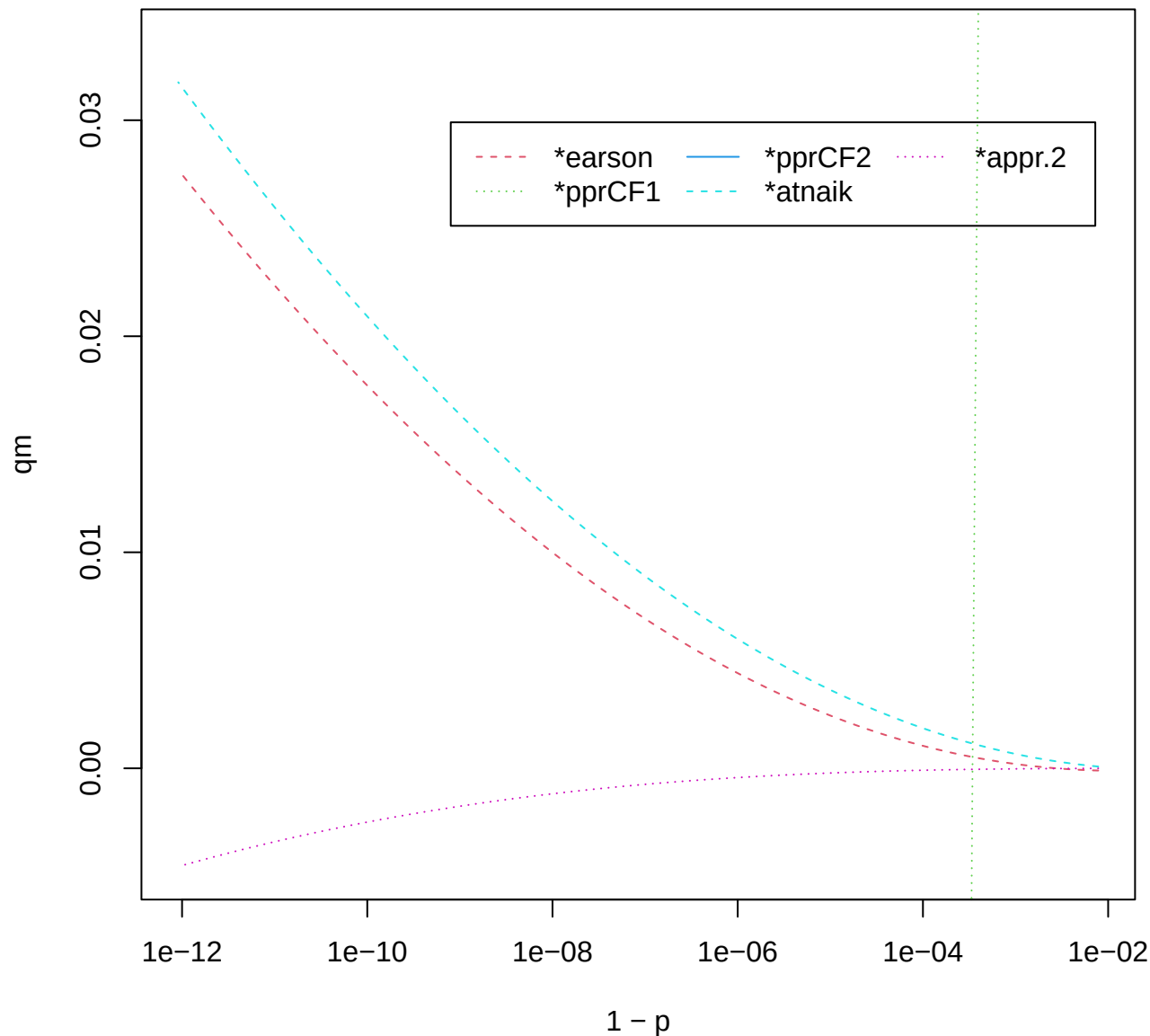
p.qappr(p = pU, df = 1, ncp = 100)
different approximations to qchisq()



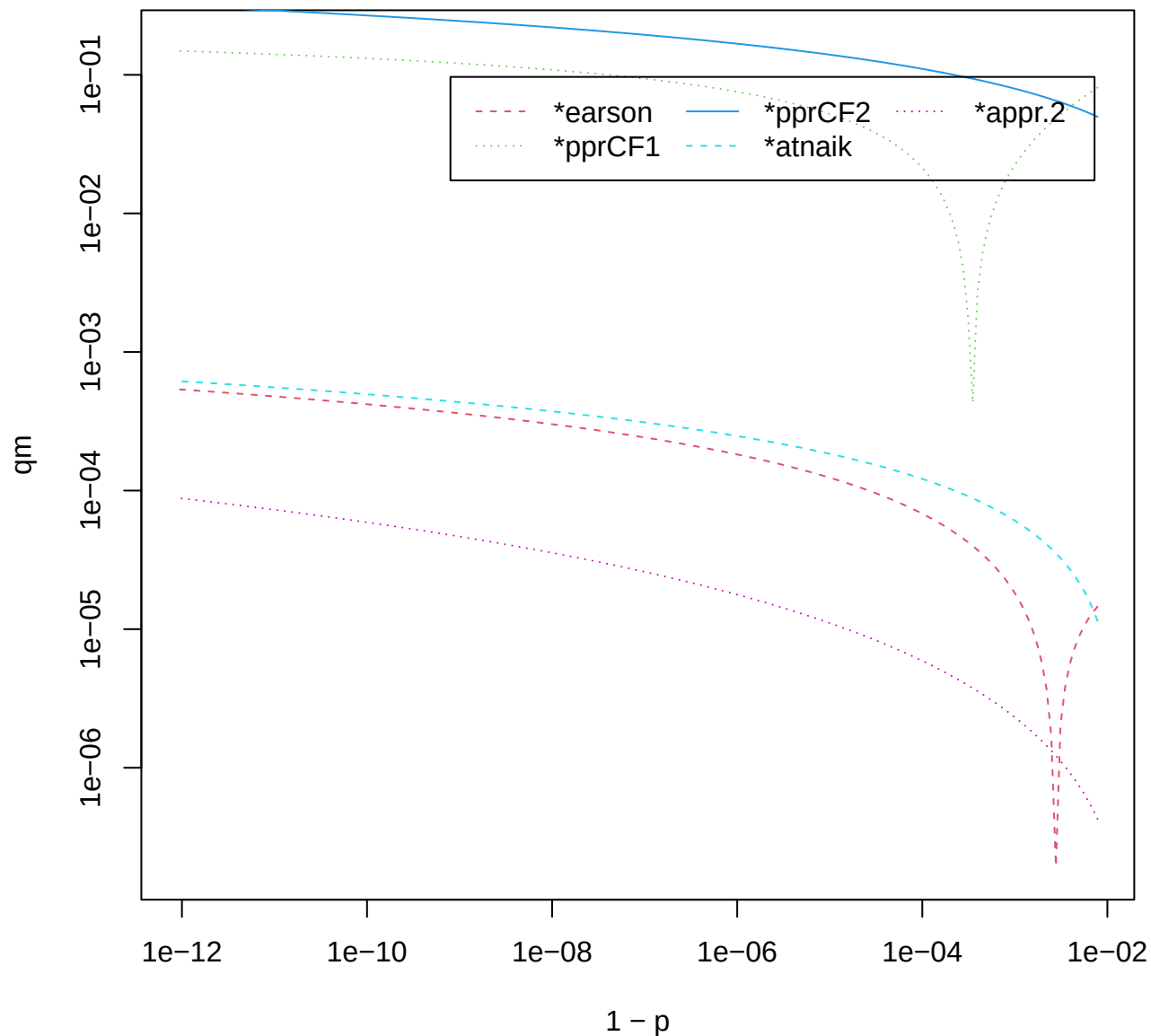
p.qappr(p = pU, df = 1, ncp = 0.01)
different approximations to qchisq()



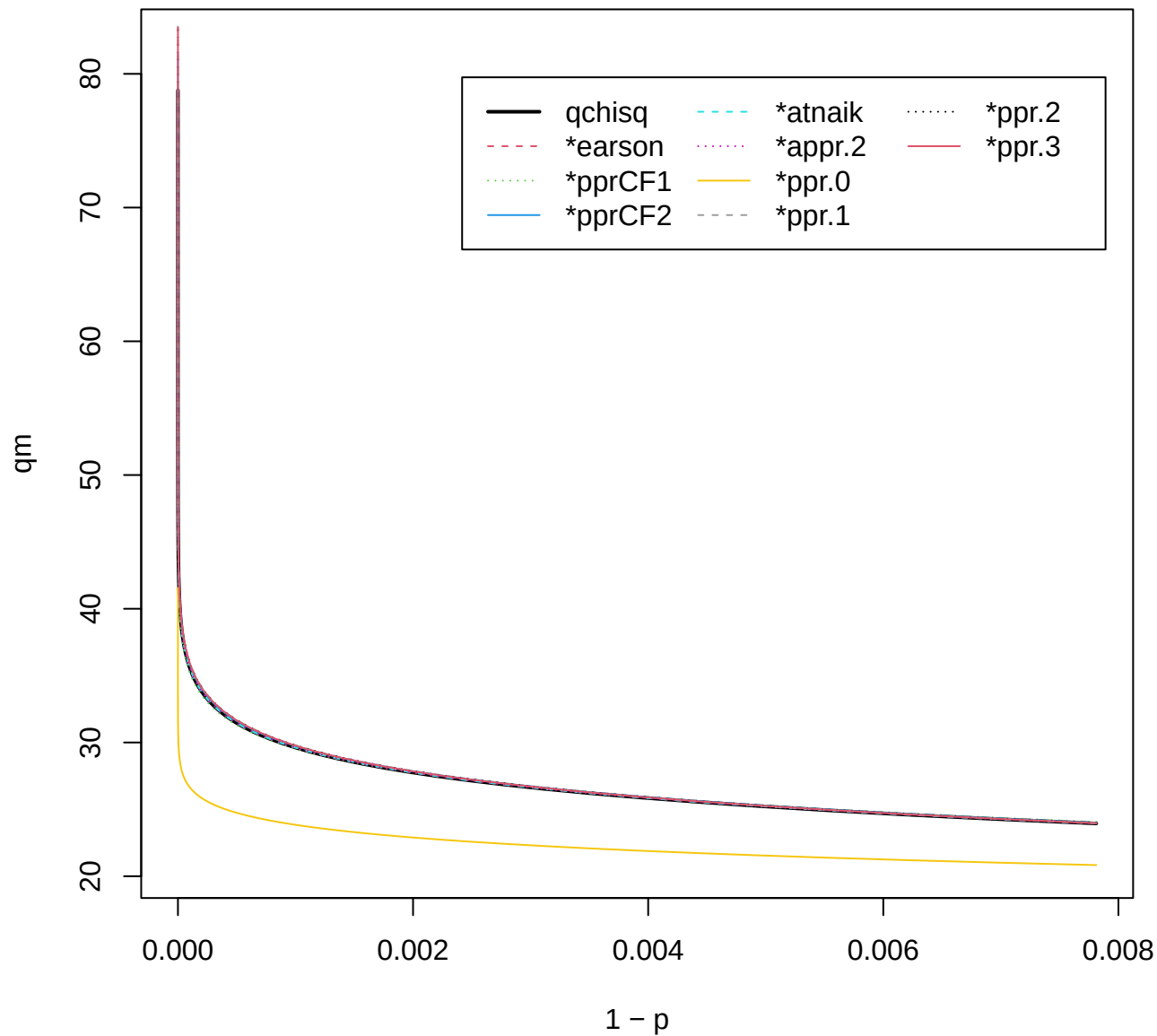
p.qappr(p = pU, df = 1, ncp = 0.01, kind = "dif", nF = 6, log = "x")
different approximations to qchisq()



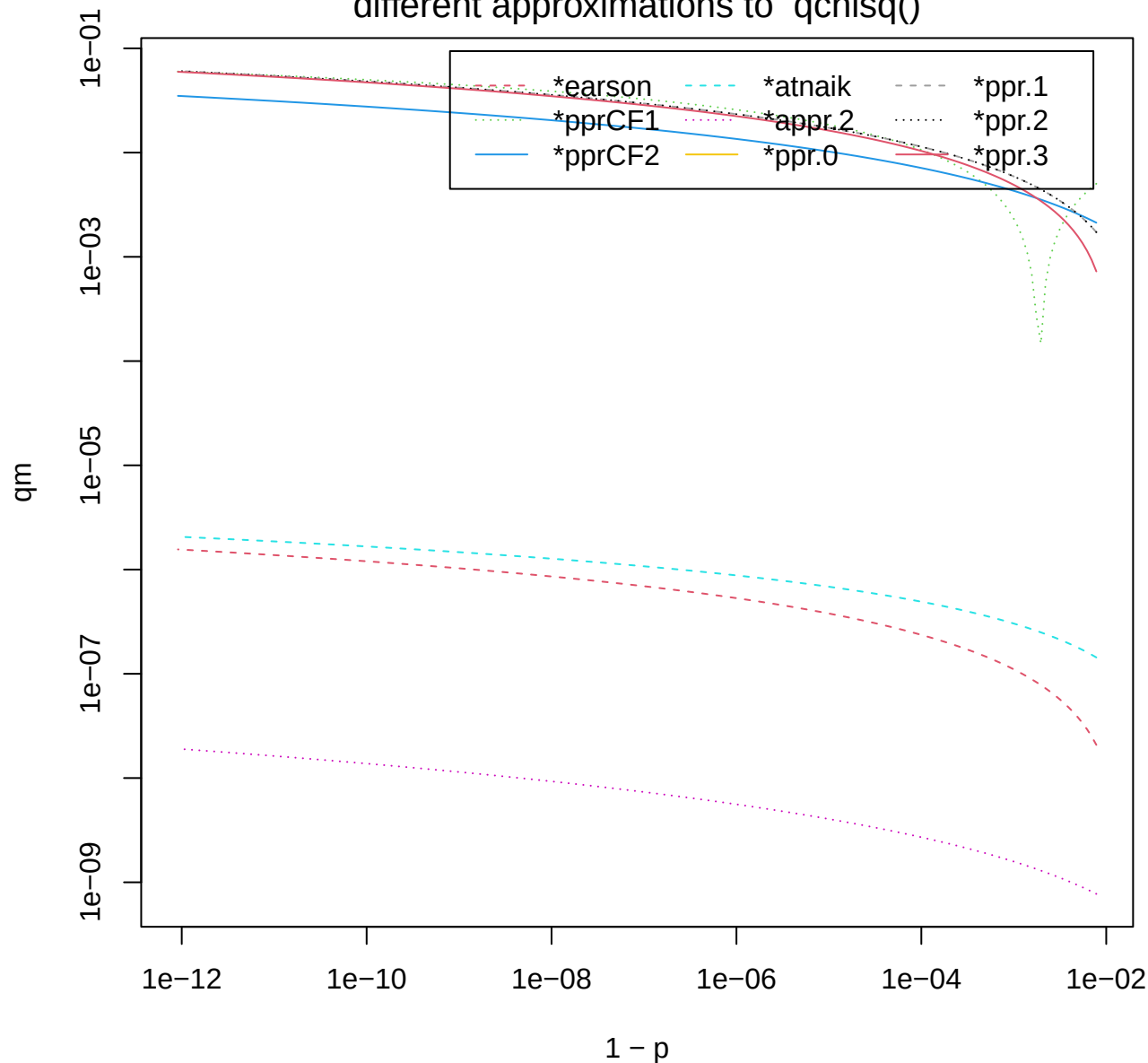
p.qappr(p = pU, df = 1, ncp = 0.01, kind = "rel", nF = 6, log = "xy")
different approximations to qchisq()



p.qappr(p = pU, df = 10, ncp = 0.01)
different approximations to qchisq()



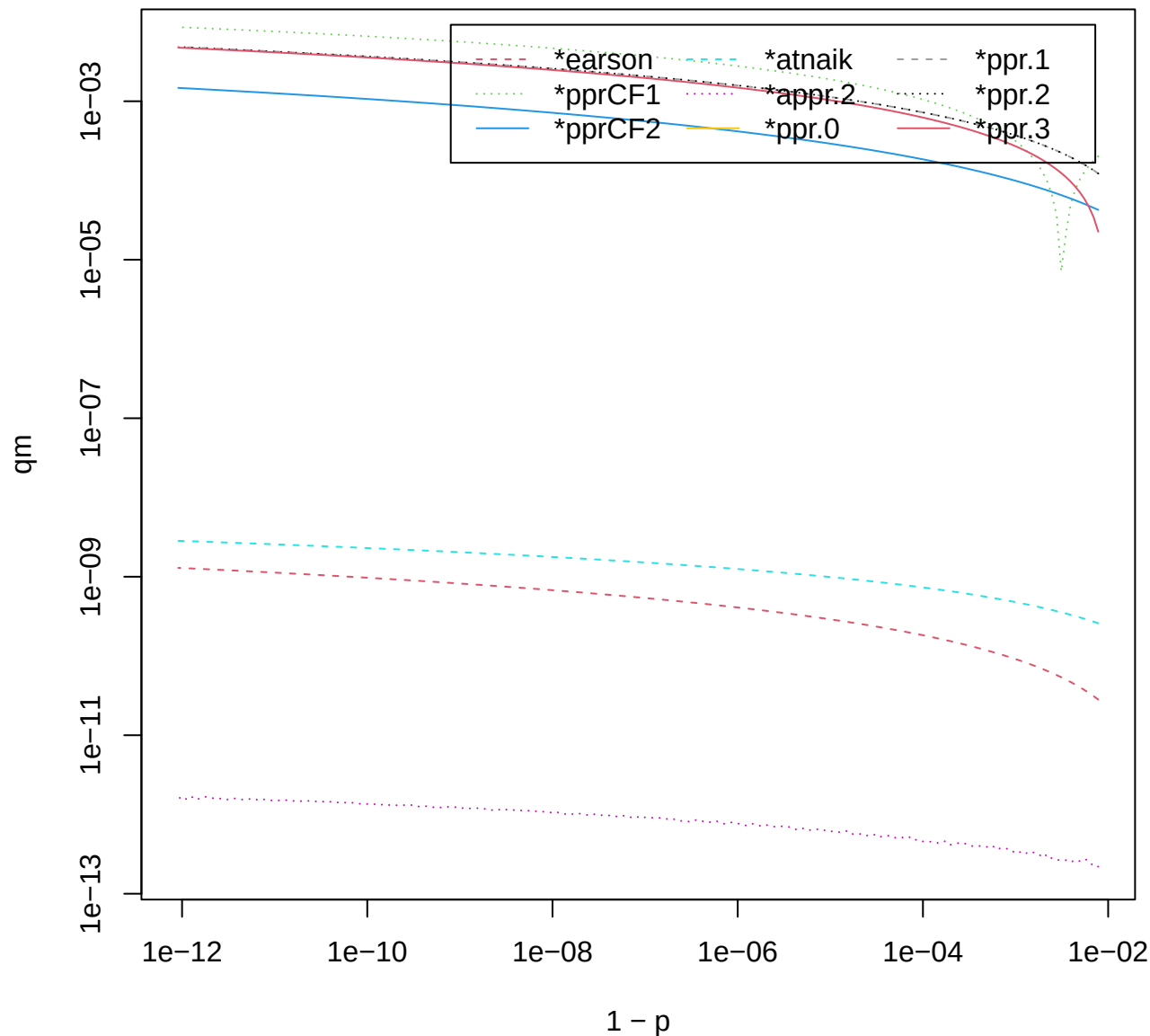
p.qappr(p = pU, df = 10, ncp = 0.01, kind = "rel", log = "xy")
different approximations to qchisq()



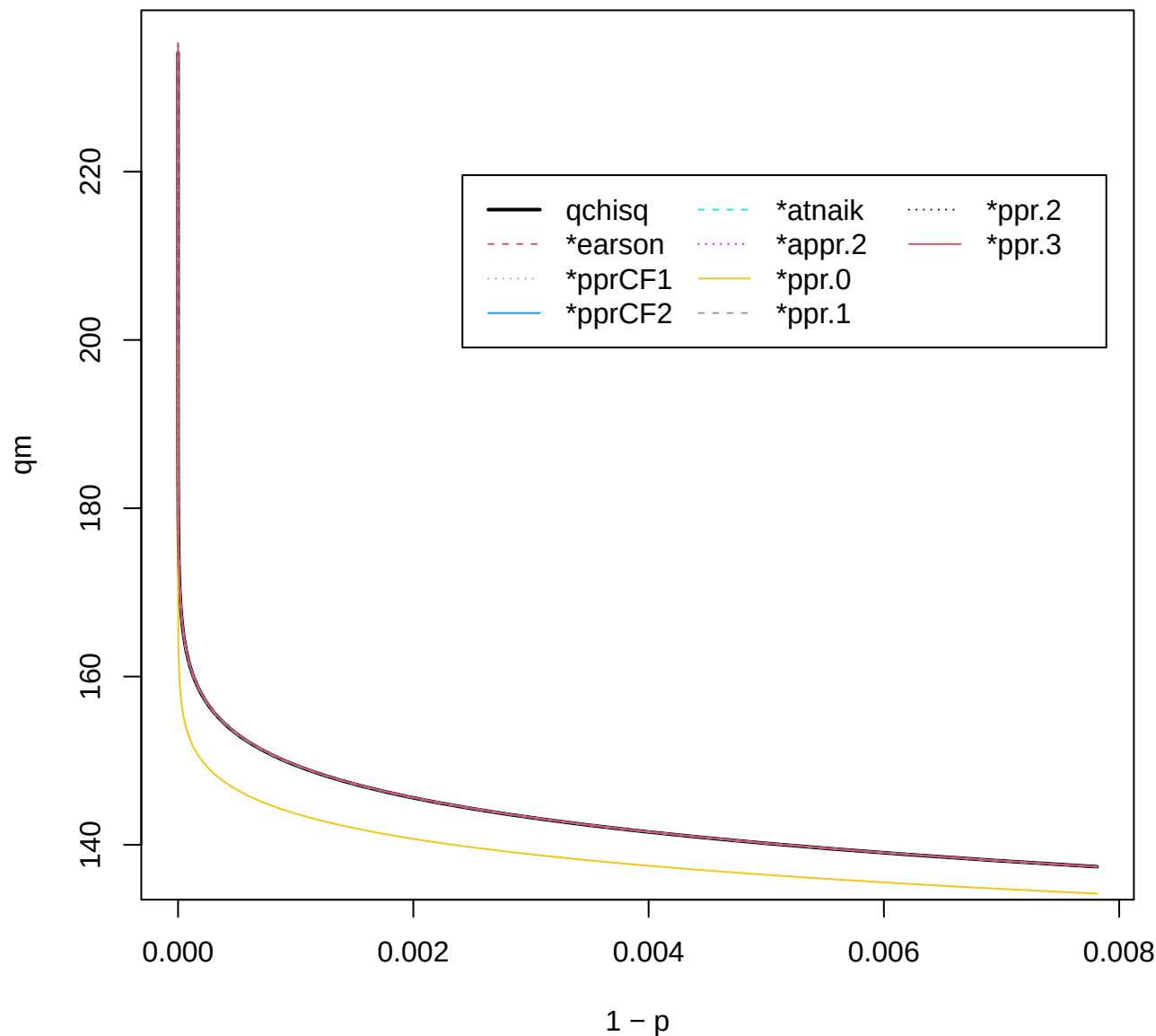
different approximations to `qchisq()`



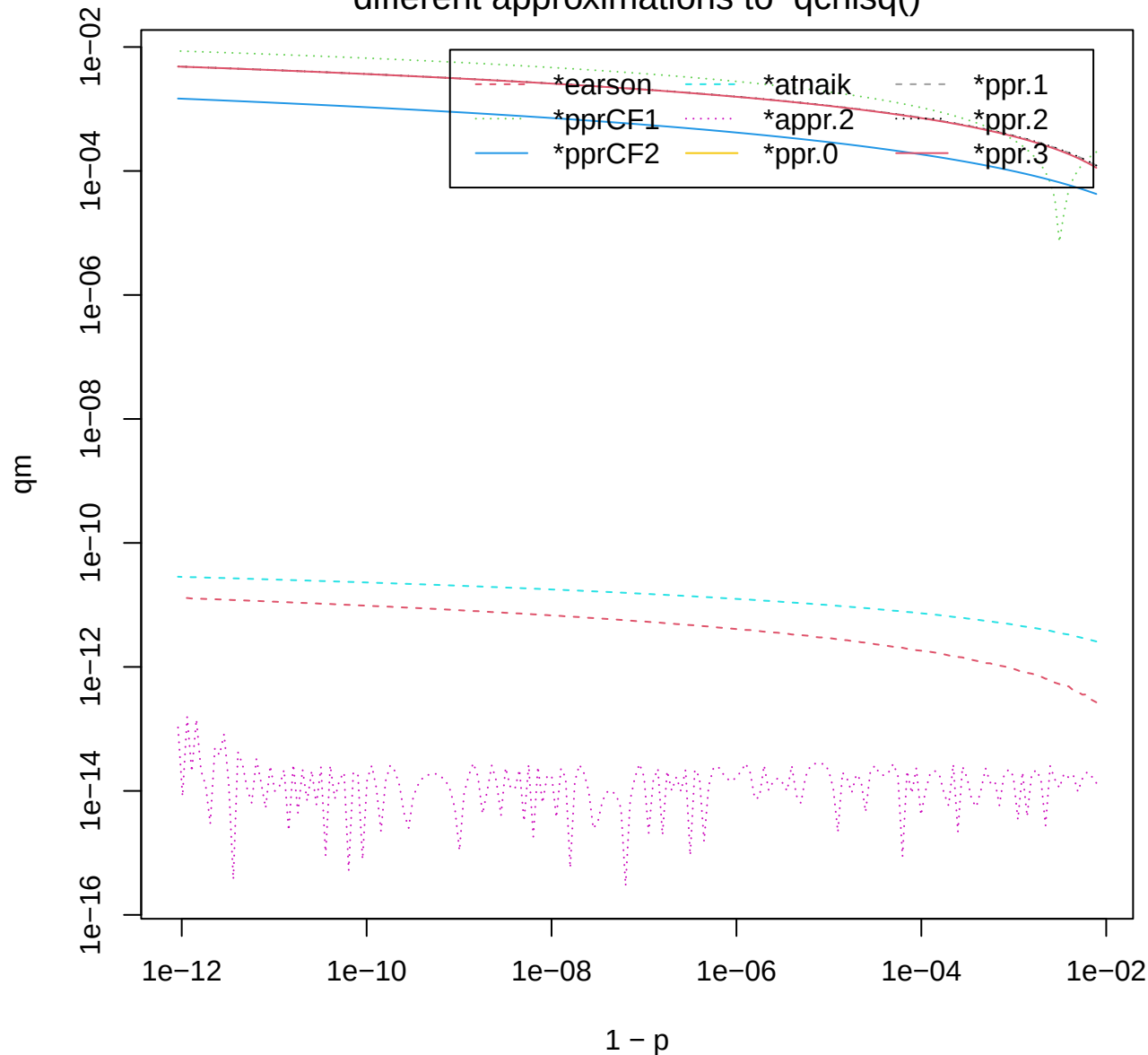
p.qappr(p = pU, df = 100, ncp = 0.01, kind = "rel", log = "xy")
different approximations to qchisq()



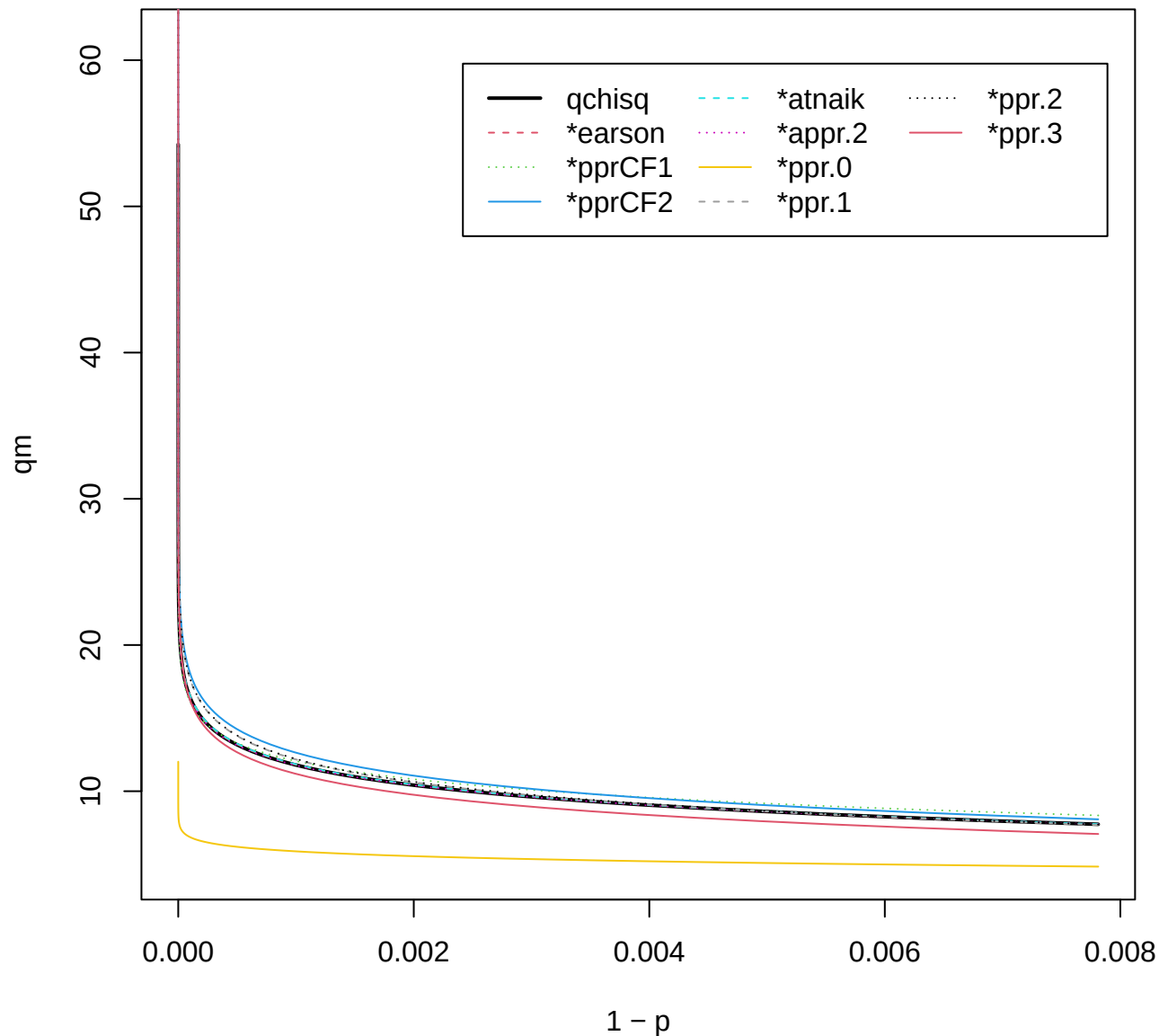
p.qappr(p = pU, df = 100, ncp = 0.001)
different approximations to qchisq()



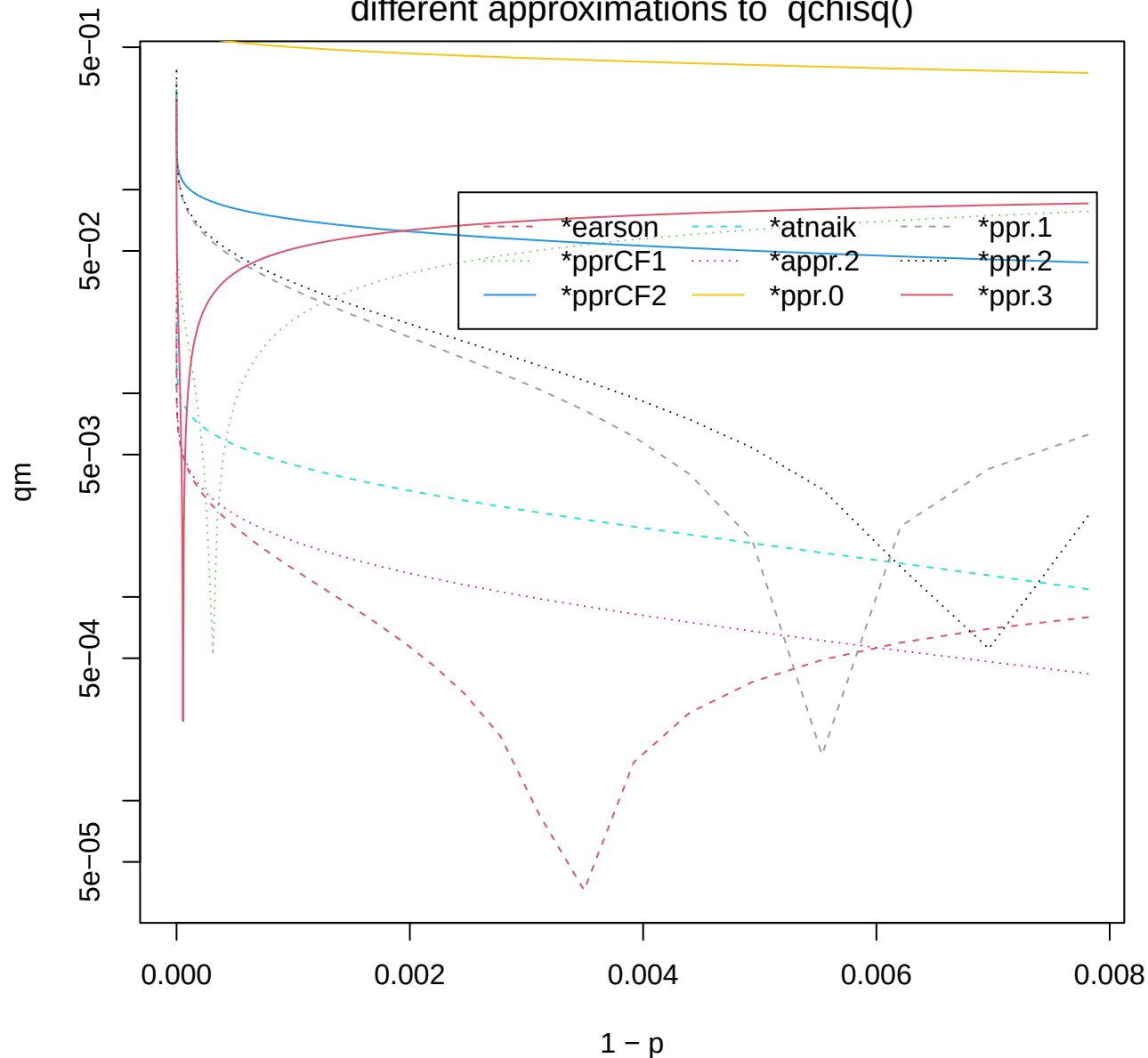
p.qappr(p = pU, df = 100, ncp = 0.001, kind = "rel", log = "xy")
different approximations to qchisq()



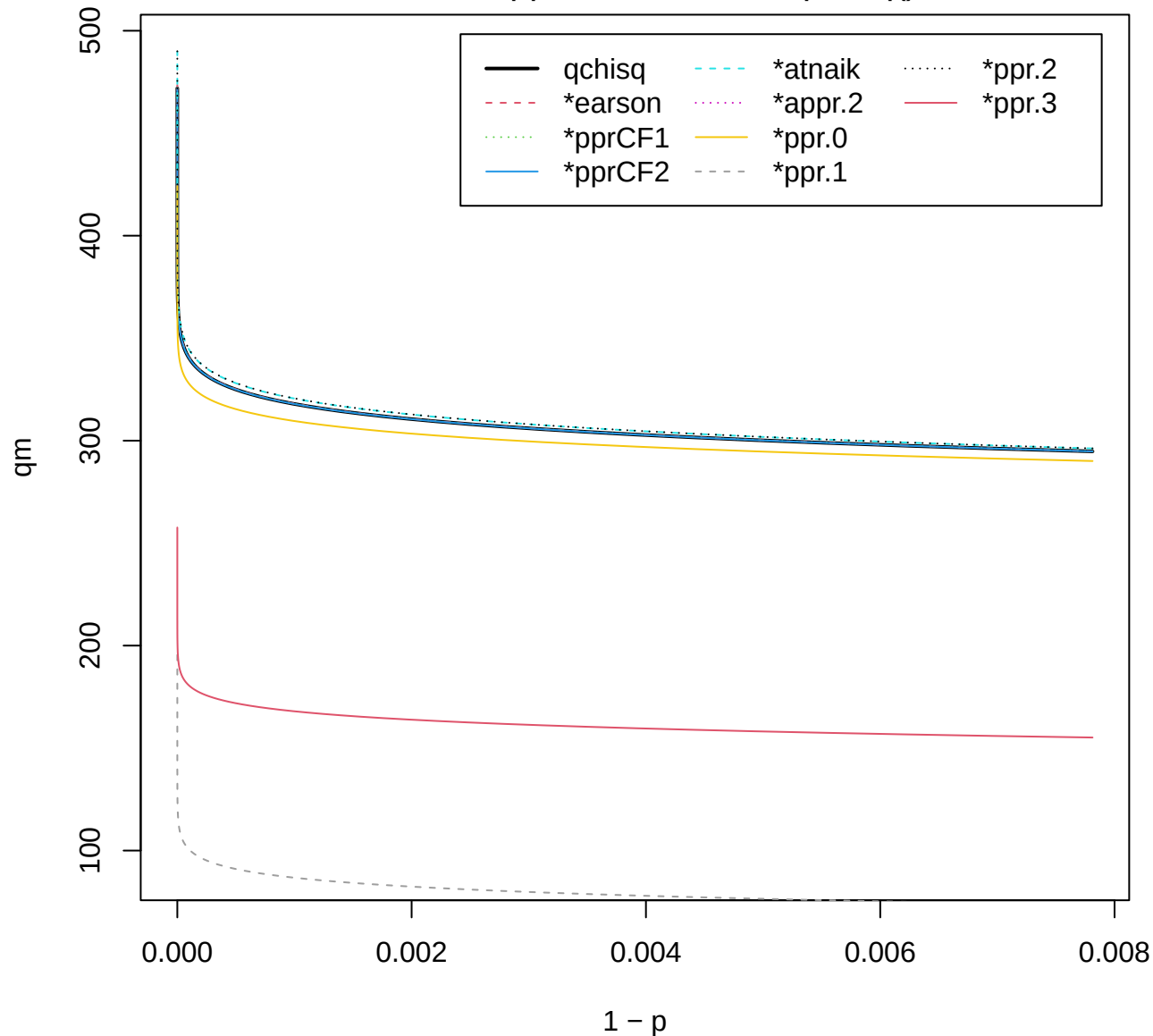
p.qappr(p = pU, df = 1, ncp = 0.1)
different approximations to qchisq()



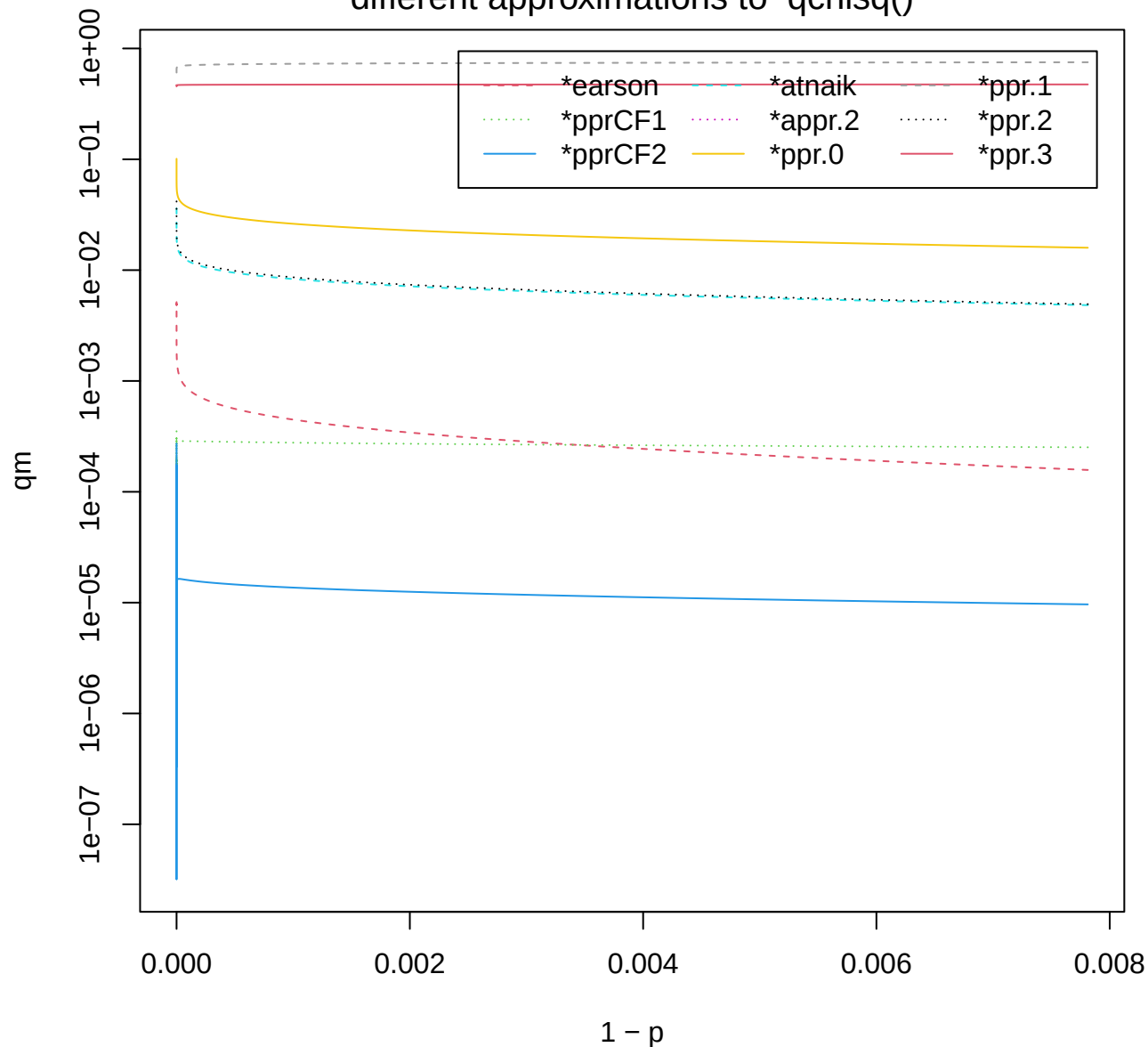
different approximations to `qchisq()`



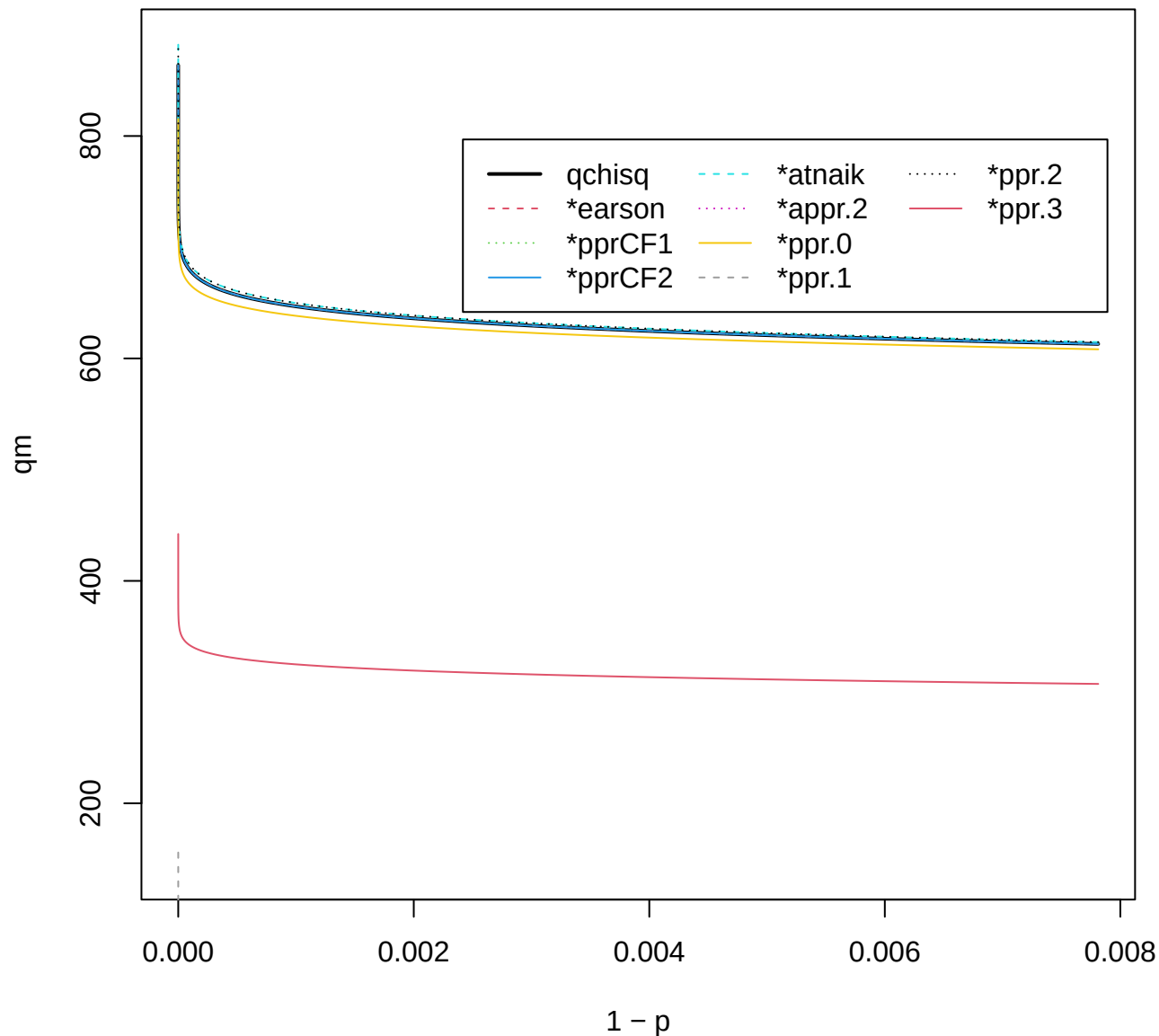
p.qappr(p = pU, df = 20, ncp = 200)
different approximations to qchisq()



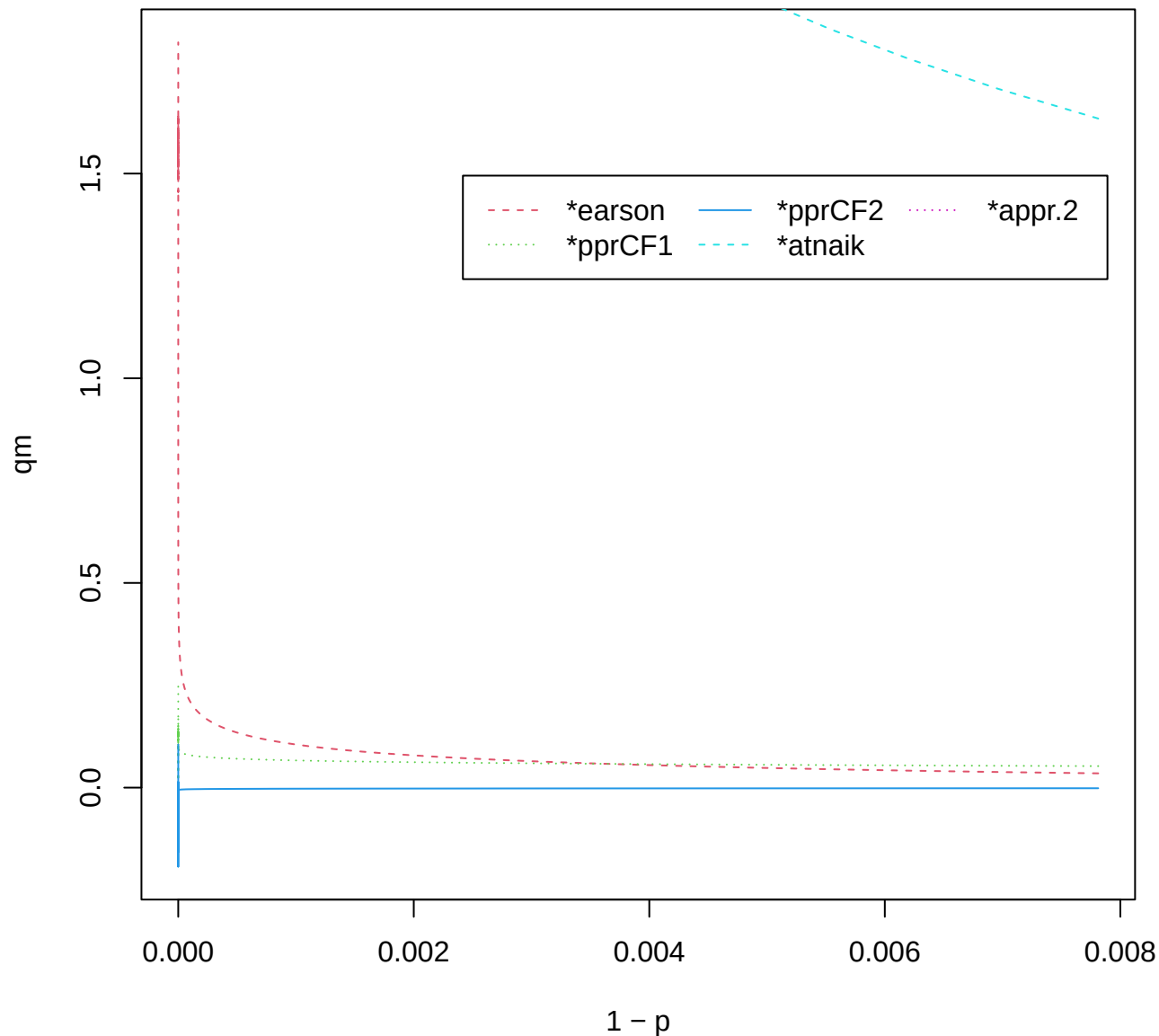
p.qappr(p = pU, df = 20, ncp = 200, kind = "rel", log = "y")
different approximations to qchisq()



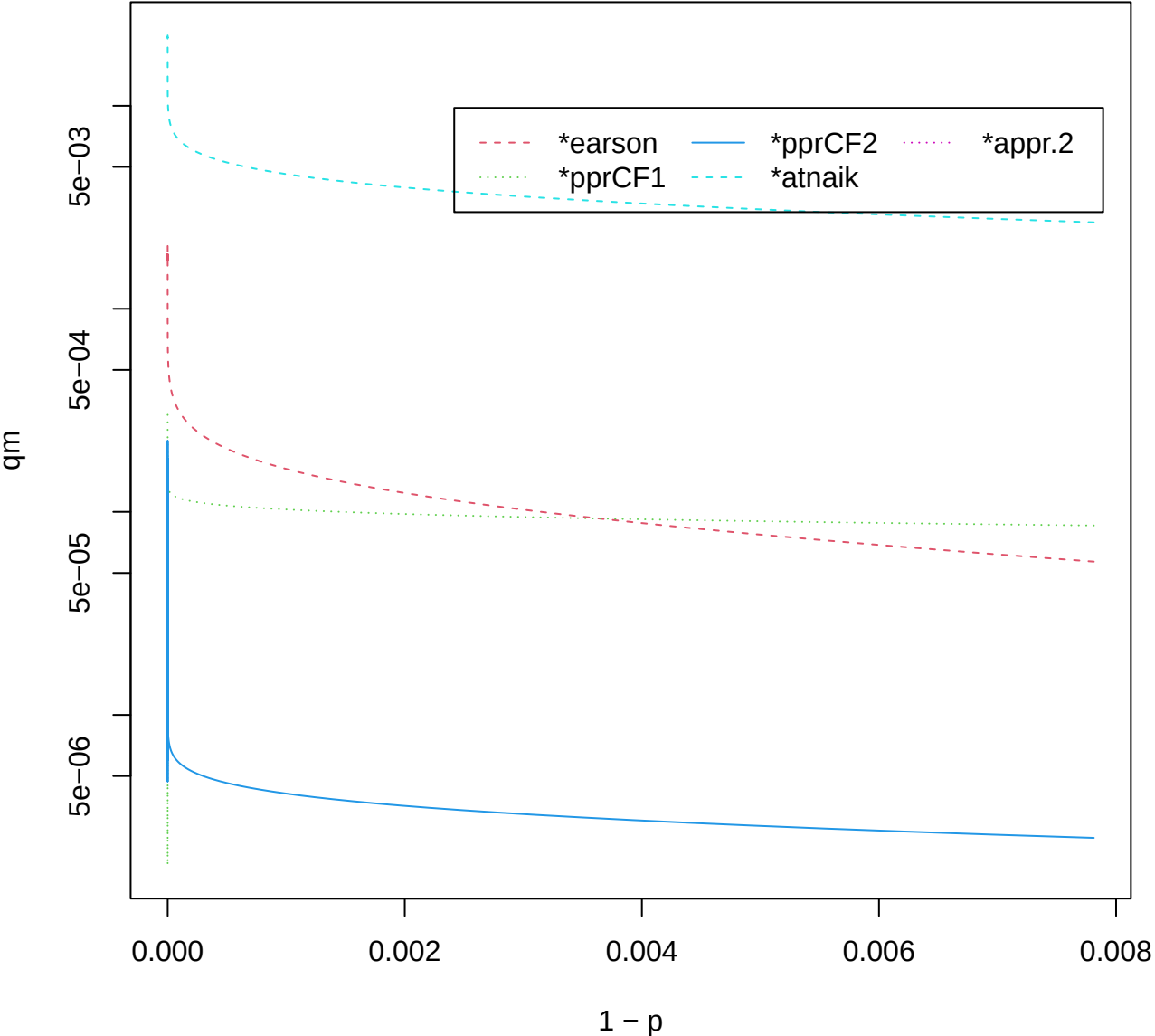
p.qappr(p = pU, df = 0.1, ncp = 500)
different approximations to qchisq()



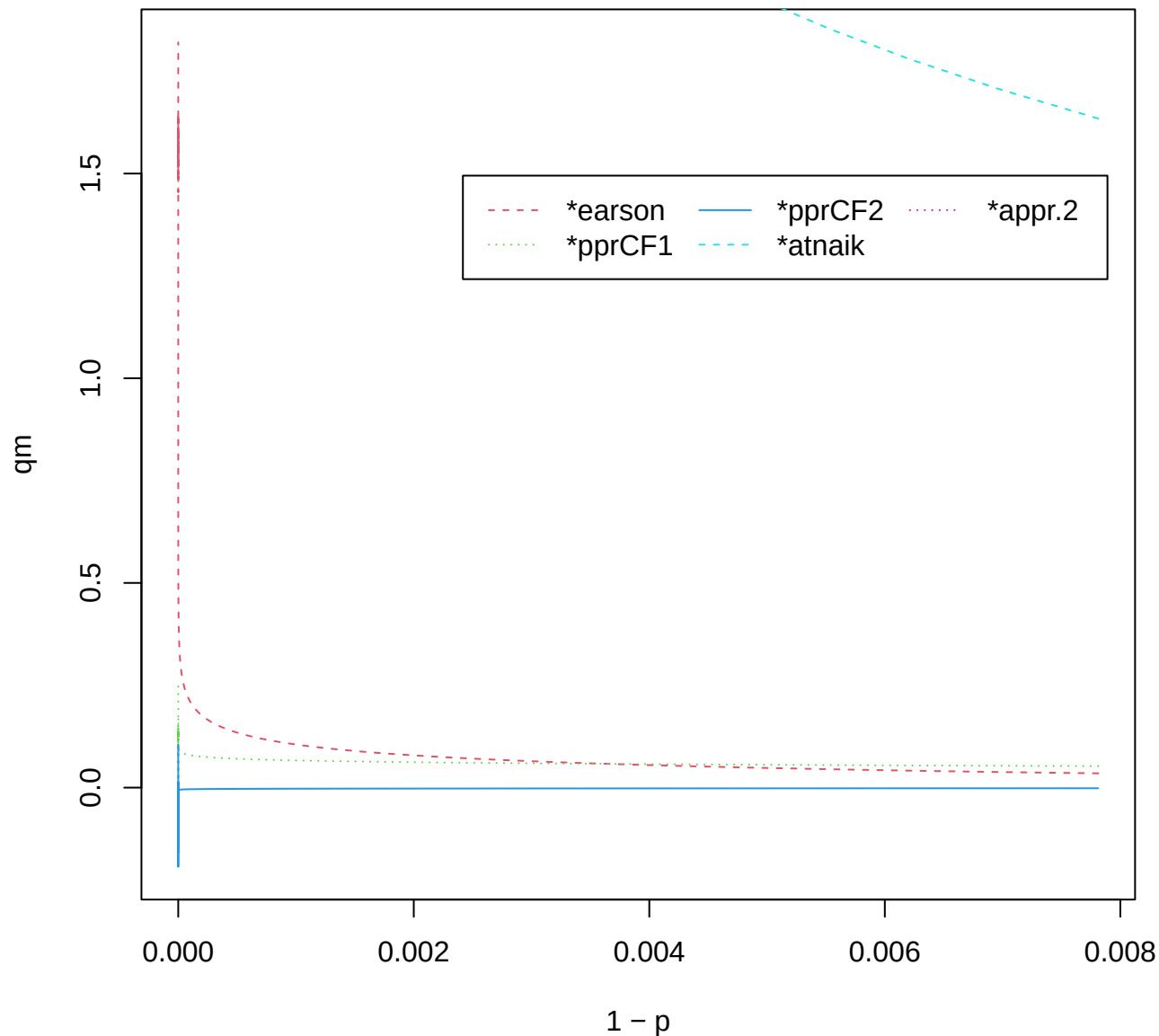
p.qappr(p = pU, df = 0.1, ncp = 500, kind = "dif", nF = 6)
different approximations to qchisq()



p.qappr(p = pU, df = 0.1, ncp = 500, kind = "rel", nF = 6, log = "y")
different approximations to qchisq()



p.qappr(p = pU, df = 0.1, ncp = 500, kind = "dif", nF = 6)
different approximations to qchisq()



p.qappr(p = pU, df = 0.1, ncp = 500, kind = "rel", nF = 6, log = "y")
different approximations to qchisq()

