NC 88-90 (Reg. no. GP-604, PI 583374), NC 88-91 (Reg. no. GP-605, PI 583375), and NC 88-95 (Reg. no. GP-606, PI 583376) cotton (*Gossypium hirsutum* L.) germplasm lines were released by the North Carolina Agricultural Research Service and the USDA-ARS in 1993. These lines provide germplasm for improving a major component of lint yield, while simultaneously confronting the glabrous trait and maintaining sufficient seed coat quality.

NC 88-90, NC 88-91, and NC 88-95 are F$_{5:6}$ selections from a cross of 'McNair 235' and NC 177-16-30 (2). McNair 235 was released by McNair Seed Co., Laurinburg, NC; it resulted from a cross of 'Coker 201' and PD 2165 (1). NC 177-16-30 is a budworm–bollworm (*Heliothis virescens–H. zeae*) resistant line developed and described in 1984 by J.A. Lee, USDA-ARS, Raleigh, NC (2). NC 177-16-30 is characterized by high glandulosity, glabrousness controlled by the $T_{5}$ allele (2,3), small bolls, small seed, a brittle seed coat, and high lint percentage.

Both NC 88-90 and NC 88-95 possess high lint percentage, the glabrous trait, and high glandulosity, while NC 88-91 possesses only the first two traits.

In three North Carolina trials NC 88-90 averaged 45% lint, NC 88-91 averaged 44.2%, and NC 88-95 averaged 45.3%, while 'Deltapine 50' averaged 39.2%. NC 88-90, NC 88-91, and NC 88-95 yielded an average 916, 958, and 900 kg ha$^{-1}$, respectively, while Deltapine 50 averaged 876. Boll size of these lines averaged 5.2, 5.5, and 5.2 g seedcotton boll$^{-1}$; Deltapine 50 had a boll size of 5.4 g boll$^{-1}$. Plant height for the three lines averaged 86, 79, and 84 cm, respectively, compared with 81 cm for Deltapine 50. Fiber length averaged 28.7, 28.0, and 28.4 mm, respectively. Elongation averaged 8.4, 7.5, and 7.1%, respectively, while strength averaged 221, 233, and 242 kN·m kg$^{-1}$, respectively. Micronaire readings averaged 4.8, 5.3, and 5.0 units for the three lines, respectively. In comparison, length, elongation, strength, and micronaire of Deltapine 50 were 29.0 mm, 8.4%, 241 kN·m kg$^{-1}$, and 4.8 units, respectively.

All three lines require full seasons to mature; they are similar in maturity to 'KC 380'. They have good resistance to fusarium wilt [caused by *Fusarium oxysporum* Schlechtend.: Fr. f. sp. *vasinfectum* (Atk.) W.C. Snyder & H.N. Hans.] when compared with 'Auburn 56'. Evaluation was performed in the Regional Wilt Screening Test at Tallassee, AL.

NC 177-16-30 was also characterized by small seed and brittle seed coat (2). Seed index of NC 88-90, NC 88-91, and NC 88-95 averaged 9.5, 10.3, and 10.6 g 100 seed$^{-1}$, respectively, compared with 10.0 g for Deltapine 50. Seed-coat quality of NC 88-90, NC 88-91, and NC 88-95 was not brittle.

Small lots of seed may be obtained from the author.