SCORING GRAFTS. Grafts were observed under 10X magnification at weekly intervals for 16-30 wks, as noted, and were scored on the condition of the epithelium, pigment (when present), and hair. Grafts were considered to be "rejected" when, after successfully healing-in, graft epithelium became smooth and hair growing from grafted tissue disappeared. Grafts that failed to heal in or that disapperaed by the first graft reading were considered technical failures. After the final graft reading, animals were killed, and organs (including spleen, liver, kidney, heart, lung, and thymus) were harvested and stored at -70˚C.

DNA ISOLATION AND ANALYSIS

Genomic DNA was extracted from the frozen tissues of individual mice according to the method of Jenkins et al. (1982). Dinucleotide repeat DNA markers (Dietrich et al., 1992; 1994) were typed in 25µl amplification reactions using 100 ng genomic DNA as a template, .2 µM forward and reverse primers (MAPPAIRS from Research Genetics, Inc.; Huntsville AL), .2µM dNTPs, 1u Taq DNA polymerase, and reaction buffer as supplied by the enzyme manufacturer. Parameters for amplification reactions were: 95˚C, 55 s; 56˚C, 1 min; 72˚C, 30 sec (plus 5% each cyle) for 30 cycles; followed by 72˚C, 7 min. To visualize products, a 10 µl aliquot was electrophoresed through 4% NuSieve agarose gel (FMC BioProducts, Rockland, ME) in TBE buffer.