A novel ENU-induced mutation, *peewee*, causes dwarfism in the mouse

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Abstract We identified a novel fertile autosomal recessive mutation called *peewee* that results in dwarfing, in a region-specific ENU-induced mutagenesis. These mice at litter size were smaller than those of other strains. Histological analysis revealed that the major organs appear normal, but abnormalities in cellular proliferation were observed in bone, liver, and testis. Haplotype analysis localized the *peewee* gene to a 3.3-Mb region between *D5Mit83* and *D5Mit356.3*. There are 18 genes in this linkage area. We also performed *in silico* mapping using the PosMedSM program, which searches for connections among keywords and genes in an interval, but no similar phenotype descriptions were found for these genes. In the *peewee* mutant compared to the normal C57BL/6 J mouse, only *Slc10a4* expression was lower. Our preliminary mutation analysis examining the nucleotide sequence of three exons,

two introns, and an untranslated region of *Slc10a4* did not find any sequence difference between the *peewee* mouse and the C57BL/6 J mouse. Detailed analysis of *peewee* mice might provide novel molecular insights into the complex mechanisms regulating body growth.

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In the above-mentioned article, published in this issue of Mammalian Genome, the corrected authors' names are listed above.

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