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Transgenic mouse colony maintenance

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Ariadna Laguna¹, Iria Carballo-Carbajal¹, Miquel Vila²

¹vall d'hebron research institute; ²VHIR-CIBERNED-ASAP

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Miquel Vila

VHIR-CIBERNED-ASAP

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We use this protocol and it's working

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Abstract

Methods for the generation and maintenance of transgenic tyrosinase mice



- 1 Pronuclear microinjection of the human tyrosinase complementary DNA fused to the rat tyrosine hydroxylase promoter into C57Bl6-SJL (RRID:MGI:5656718) mouse zygotes
- 2 Selection of positive lines and backcrossing for 8-10 generations using C57BL/6J mice (Charles River; RRID:MGI:3028467)
- 3 Maintenance in heterozygosis by crossing heterozygous males with C57BL76J females
- 4 Housed two to five per cage with *ad libitum* access to food and water during a 12 hours (h) light/dark cycle (light-on 8 a.m.)