

## List of next generation immunodeficient mice

<b>NOG-JAG1</b> (NOG-Jagged1 Tg)	
Strain name	NOD.Cg-Prkdc<scid> Il2rg<tm1Sug> Tg(Col1a1-JAG1)/Jic
Strain description	Osteoporosis model
Strain development	Started production in 2005 as a joint research with Tokai University Hozumi and Professor Ando. A DNA fragment of about 9.5 Kb in which human Jagged-1 cDNA and SV-40 polyA were placed under the Collagen1 promoter with an Insulator in between was injected into a fertilized egg in the pronuclear stage of NOD and converted to NOG.
Research application	Analysis of human hematopoiesis in human Jagged-1 expressed bone marrow micro environment
References	Negishi N. et al. (2014) Effective expansion of engrafted human hematopoietic stem cells in bone marrow of mice expressing human Jagged1. Exp Hematol. Jun;42(6):487-94.
URL	<a href="https://pubmed.ncbi.nlm.nih.gov/24530466/">https://pubmed.ncbi.nlm.nih.gov/24530466/</a>
Remarks	-