

## List of next generation immunodeficient mice

<b>NOG-RORgt Tg (NOG-pRORgt-gc Tg)</b>	
Strain name	NOD.Cg-Prkdc<scid> Il2rg<tm1Sug> Tg(RORgtBAC-II2rgc)/Jic
Strain description	Recovery of mouse lymph nodes
Strain development	The bacterial artificial chromosome (BAC) clone, which expresses murine $\gamma c$ under the control of ROR $\gamma t$ regulatory elements, were generated. The linearized DNA was microinjected into B6 fertilized eggs by a standard protocol. The obtained mice were genotyped by PCR and a founder mouse was used for backcross mating. After seven-time backcross mating to the NOG strain, we confirmed the replacement of the genetic background from B6 to NOD using microsatellite markers.
Research application	Enhanced immune responses.
References	Takahashi T. et al. (2018) Enhanced Antibody Responses in a Novel NOG Transgenic Mouse with Restored Lymph Node Organogenesis. Front Immunol. Jan 17;8:2017.
URL	<a href="https://pubmed.ncbi.nlm.nih.gov/29387068/">https://pubmed.ncbi.nlm.nih.gov/29387068/</a>
Remarks	-