

**Table S5.** Histopathological findings in 8 weeks and 12 months old wild-type and ILDR2-deficient C57BL/6 mice.

<b>Mouse strain, ILDR2 WT / KO</b>	WT	WT	KO	KO	WT	WT	KO	KO
<b>Age, 8 weeks / 12 months</b>	8 w	8 w	8 w	8 w	12 m	12 m	12 m	12 m
<b>Sex, male / female</b>	M	F	M	F	M	F	M	F
<b>Number of animals</b>	3	3	3	3	6	6	6	6
LUNG	-	-	-	-	-	-	-	-
							Medial Hypertrophy	1(2.0)
LIVER								
							Necrosis/Infiltrate, inflammatory cell, multifocal	2(1.0) 1(2.0)
							Extramedullary hematopoiesis	1(1.0) 1(1.0)
							Inflammation, mixed inflammatory cell	1(1.0) 1(1.0)
							Tension lipidosis	1(2.0)
GALLBLADDER	-	-	-	-	-	-	-	-
HEART	-	-	-	-	-	-	-	-
							Pigment valve	1(2.0) 3(1.7)
<b>KIDNEYS</b>								
							<b>Tubular basophilia</b>	1(1.0) 1(1.0) 2(1.5)
							Glomerulopathy, hyaline, segmental to global, multifocal	1(3.0)
							Infiltrate, lymphoid cell	1(2.0) 2(1.0) 3(1.0) 4(2.0)
							Tubular basophilia	1(1.0) 1(1.0) 1(1.0)
							Vacuolation	2(1.5)
							Hyaline cast	1(1.0)
<b>EYES</b>	-	-	-	-	-	-	-	-
SPLEEN	-	-	-	-	-	-	-	-
THYMUS	-	-	-	-	-	-	-	-
MESENTERIC LYMPH NODE	-	-	-	-	-	-	-	-
							Ectasia, sinuses	1(2.0) 4(1.5)
MANDIBULAR LYMPH NODE	-	-	-	-	-	-	-	-
TRACHEA	-	-	-	-	-	-	-	-
ESOPHAGUS	-	-	-	-	-	-	-	-
FORESTOMACH	-	-	-	-	-	-	-	-
							Cyst	1(2.0)
GLANDULAR STOMACH	-	-	-	-	-	-	-	-
							Dilatation, glands	1(1.0)
DUODENUM	-	-	-	-	-	-	-	-
							Dilatation, Brunner's gland	2(2.5) 1(2.0) 2(2.0)
							Atrophy, Brunner's gland	1(2.0)



				Cyst		1(2.0)			
<b>TESTES</b>					-	-	-	-	
<b>EPIDIDYMIDES</b>					-	-			
				Oligospermia			2(2.0)		
				Vacuolation			2(1.5)		
				Karyomegaly			4(2.3)	6(1.2)	
				Cell debris			1(1.0)		
<b>PROSTATE GLAND</b>					-	-	-	-	-
				Inspissated secret			4(1.3)	2(1.0)	
				Infiltrate, mononuclear			2(1.0)		
<b>SEMINAL VESICLES</b>					-	-	-	-	
<b>OVARIES</b>					-	-	-	-	
				Cyst, Rete Ovary					1(3.0)
				Atrophy, age-related			5(1.4)		3(1.3)
				Hypertrophy: corpora lutea			2(2.5)		
				Vacuolation: corpora lutea			1(2.0)		
				Decreased number/Absent corpora lutea			1(3.0)		
				<b>UTERINE HORNS</b>					
				Hyperplasia: glandular cystic			3(2.0)		4(1.5)
<b>CERVIX</b>									
				Increased mucification			2(2.5)		
				Infiltrate, inflammatory cells, luminal epithelia	1(2.0)		2(2.0)		1(1.0)
				Increased keratinization		1(2.0)	1(3.0)		1(1.0)
<b>VAGINA</b>									
				Cycle, proestrus			2(P)		1(P)
				Cycle, estrus	2(P)	3(P)	2(P)		3(P)
				Cycle, met-/diestrus	1(P)		2(P)		1(P)
				Increased keratinization		1(2.0)	1(3.0)		1(1.0)
				Increased mucification			1(3.0)		
				Infiltrate inflammatory cell, luminal epithelia	1(1.0)				
				Pigment		1(1.0)			

WT, wild-type; KO, knockout

Organs/tissues in bold print = paired examination

\*Seven sections according to the STP position paper (Bolon *et.al.*, 2013)

X(X) = incidence, number of animals affected (average grading)

Grading: - = no finding in that organ; 1= minimal; 2 = slight, 3 = moderate; 4 = marked; P = present