

Supplementary

Table S1 List of antibodies

Antibodies	SOURCE	IDENTIFIER
Mouse monoclonal anti-Acetylated Tubulin	Sigma, St.Louis, MO, USA	Cat#T7451
Rabbit polyclonal anti-SOX9	Millipore, Billerica, MA, USA	Cat#AB5535
Rabbit polyclonal anti-gamma H2A.X (phospho S139)	Abcam, Cambridge, MA, USA	Cat#ab2893
Goat polyclonal anti-PLZF	RnD Systems, Minneapolis, MN,USA	Cat#AF2944

SOX9, SRY (sex determining region Y)-box 9; PLZF, Promyelocytic leukemia zinc finger.

Table S2 List of antibodies

Antibodies	SOURCE	IDENTIFIER
Donkey anti-Mouse IgG, Alexa Fluor 488	Invitrogen, Carlsbad, CA, USA	Cat#A-21202
Donkey anti-Rabbit IgG, Alexa Fluor 488	Invitrogen, Carlsbad, CA, USA	Cat#A-21206
Cy3-AffiniPure Donkey Anti-Goat	Jackson, West Grove, PA,USA	Cat#705-165-147

IgG, Immunoglobulin G; PA, Pennsylvania; USA, united states of American.

Table S3 Statistics of cells with fluorescent signal in tubules

	γ -H2AX/per tubule	PLZF/per tubule	SOX9/per tubule	PNA/per tubule
<i>Eef2k</i> ^{+/+} -1	51	4	11	176
<i>Eef2k</i> ^{+/+} -2	45	7	12	165
<i>Eef2k</i> ^{+/+} -3	54	5	15	169
<i>Eef2k</i> ^{-/-} -1	47	4	17	158
<i>Eef2k</i> ^{-/-} -2	52	6	15	184
<i>Eef2k</i> ^{-/-} -3	49	5	10	179

PLZF, Promyelocytic leukemia zinc finger; SOX9, SRY (sex determining region Y)-box 9; PNA, peanut agglutinin.

Table S4 TUNEL-positive apoptotic cells and tubules count

	Total tubules	Apoptosis cells	Apoptosis tubules	Apoptosis cells/ total tubules	Apoptosis tubules/ total tubules	Apoptosis cells/ apoptosis tubules
<i>Eef2k</i> ^{+/+} -1	235	56	31	0.24	0.13	1.81
<i>Eef2k</i> ^{+/+} -2	233	49	25	0.21	0.11	1.96
<i>Eef2k</i> ^{+/+} -3	249	52	29	0.21	0.12	1.79
<i>Eef2k</i> ^{-/-} -1	253	59	30	0.23	0.12	1.97
<i>Eef2k</i> ^{-/-} -2	280	62	32	0.22	0.11	1.94
<i>Eef2k</i> ^{-/-} -3	235	45	29	0.19	0.12	1.55

TUNEL, TdT-mediated dUTP Nick-End Labeling.