

Veterinary Pathology: Supplemental Materials
 Janke et al. Immunophenotyping of murine precursor B-cell leukemia/lymphoma:
 a comparison of immunohistochemistry and flow cytometry.

Supplemental Table S1. Experimental details of mouse cohort.

Case #	Sex	Genotype	Mutagenesis	Enlarged Spleen	Enlarged Lymph Nodes	Enlarged Liver
1	F	Pax5+/-	MMLV	Y	Y	N
2	M	Pax5+/-	MMLV	Y	Y	N
3	M	Pax5+/-	MMLV	Y	Y	N
4	F	Pax5+/-	MMLV	Y	Y	N
5	F	Pax5+/-	ENU	Y	Y	Y
6	M	Pax5+/-	MMLV	Y	Y	N
7	F	Pax5+/-	MMLV	Y	Y	Y
8	M	Pax5+/-	ENU	Y	N	N
9	F	Pax5+/-	ENU	Y	Y	Y
10	F	Pax5+/-	ENU	Y	Y	Y
11	M	wt	MMLV	Y	N	N
12	F	Pax5+/-	ENU	Y	Y	N
13	M	Pax5+/-	MMLV	Y	Y	N
14	F	Pax5+/-	MMLV	Y	Y	N
15	M	Pax5+/-	MMLV	Y	Y	N
16	M	Pax5+/-	ENU	Y	N	N
17	F	Pax5+/-	ENU	Y	Y	N
18	F	Pax5+/-	ENU	Y	Y	N
19	F	Pax5+/-	ENU	Y	Y	N
20	M	Pax5+/-	MMLV	Y	Y	N
21	M	wt	MMLV	Y	Y	N
22	F	wt	MMLV	Y	Y	N
23	M	Pax5+/-	ENU	Y	Y	N
24	F	wt	MMLV	Y	Y	N
25	F	Pax5+/-	MMLV	Y	Y	N
26	M	Pax5+/-	MMLV	Y	N	N
27	F	Pax5+/-	ENU	Y	Y	Y
28	M	Pax5+/-	ENU	Y	Y	N
29	F	Pax5+/-	MMLV	Y	Y	N
30	F	Pax5+/-	MMLV	Y	Y	N

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Supplemental Table S2. Primary antibodies, cellular localization, external positive control, type, concentration, supplier and technical procedures for visualization

Antibody	Cellular localization	External positive control	Type	Dilution	Epitope Retrieval	Link	Supplier
c-Kit/ CD117	Membrane/ cytoplasm	Mast cells	Goat polyclonal	1:1000	CC1 ^a	OM GT ^b	R&D Systems, AF1356
TdT	Nucleus	Thymus	Rabbit polyclonal	1:250	ER2 ^c	RB-RF ^d	Supertechs, 004
CD43	Membrane/ cytoplasm	Spleen	Rat monoclonal	1:25	ER1 ^e	RT-RF ^f	PharMingen, 552366
PAX5	Nucleus	Spleen	Rabbit monoclonal	1:1000	ER2 ^c	RB-RF ^d	Abcam, ab109443
B220	Membrane	Spleen	Rat monoclonal	1:8000	ER2 ^c	RB-RT ^g	PharMingen, 553084
IgM	Membrane/ cytoplasm	Spleen	Rat monoclonal	1:800	TR PC110 ^h	RB-RT ^g	PharMingen, 553435
KLC	Membrane/ cytoplasm	Spleen	Goat polyclonal	1:2500	None	OM GT ^b	Southern Biotech, 1050-01
CD3	Membrane/ cytoplasm	Thymus	Goat polyclonal	1:1000	CC1 ^a	RB-GT/ OM RB ⁱ	SantaCruz, sc-1127
MPO	Cytoplasm	Bone marrow	Rabbit polyclonal	1:1200	CC1 ^a	OM RB ^j	DAKO, A0398

^a Heat-induced epitope retrieval, Cell Conditioning media 1 (Ventana Medical Systems, Tucson, AZ)

^b Detection by DISCOVERY OmniMap anti-goat HRP (Ventana Medical Systems)

^c Heat-induced epitope retrieval, Epitope Retrieval solution 2 Bond (ER2, Leica Biosystems, Buffalo Grove, IL)

^d Detection by anti-rabbit Bond Polymer Refine Detection (Leica Biosystems)

^e Heat-induced epitope retrieval, Epitope Retrieval solution 1 Bond (ER1, Leica Biosystems, Buffalo Grove, IL)

^f Detection by anti-rat Bond Polymer Refine Detection (Leica Biosystems)

^g Detection by rabbit anti-rat secondary antibody (1:400, Vector Laboratories)

^h Heat-induced epitope retrieval with Target Retrieval (DAKO, Santa Clara, CA)

ⁱ Detection by rabbit anti-goat secondary antibody (1:400, Vector Laboratories) followed by DISCOVERY OmniMap anti-rabbit HRP (Ventana Medical Systems)

^j Detection by DISCOVERY OmniMap anti-rabbit HRP (Ventana Medical Systems)