

lenti samples

first round PCR

linker primer
MKL-3

Primer Name

MseL1
MKL-3

Primer sequence

GTAATACGACTCACTATAGGGC
CTTAAGCCTCAATAAAGCTTGCCTTGAG

second round PCR

GW3
B-HIV-GWXX

GW-3 **gcctccctcgcgccatcag**AGGGCTCCGCTTAAGGGAC
see below for barcoded primer

(Author-vector-mouse-tissue)

Quadrant 2	Samples	Primer Name	Primer sequence
1	Wang-lentiEF1art-mouse31d-Sca1	B-HIV-GW11	gccttgccagcccgcctcag cacg AGACCCTTTTAGTCAGTGTGGAAAATC
2	Wang-lentiEF1art-mouse31d-ganglion	B-HIV-GW12	gccttgccagcccgcctcag cact AGACCCTTTTAGTCAGTGTGGAAAATC
3	Wang-lentiEF1art-mouse31d-spleen	B-HIV-GW13	gccttgccagcccgcctcag cagc AGACCCTTTTAGTCAGTGTGGAAAATC
10	Wang-lentiEF1art-mouse22c-thymus	B-HIV-GW20	gccttgccagcccgcctcag cgct AGACCCTTTTAGTCAGTGTGGAAAATC
11	Wang-lentiEF1art-mouse22c-LN	B-HIV-GW21	gccttgccagcccgcctcag cgct AGACCCTTTTAGTCAGTGTGGAAAATC
12	Wang-lentiEF1art-mouse22c-spleen	B-HIV-GW22	gccttgccagcccgcctcag cggtg AGACCCTTTTAGTCAGTGTGGAAAATC
13	Wang-lentiEF1art-mouse22c-marrow	B-HIV-GW23	gccttgccagcccgcctcag ctac AGACCCTTTTAGTCAGTGTGGAAAATC
Quadrant 3	Samples	Primer Name	Primer sequence
4	Wang-lentiEF1art-mouse8d-Sca1	B-HIV-GW14	gccttgccagcccgcctcag cagt AGACCCTTTTAGTCAGTGTGGAAAATC
5	Wang-lentiEF1art-mouse8d-liver	B-HIV-GW15	gccttgccagcccgcctcag catc AGACCCTTTTAGTCAGTGTGGAAAATC
6	Wang-lentiEF1art-mouse8d-spleen	B-HIV-GW16	gccttgccagcccgcctcag catg AGACCCTTTTAGTCAGTGTGGAAAATC
7	Wang-lentiEF1art-mouse8d-thymus	B-HIV-GW17	gccttgccagcccgcctcag cgac AGACCCTTTTAGTCAGTGTGGAAAATC
8	Wang-lentiEF1art-mouse8d-ganglion	B-HIV-GW18	gccttgccagcccgcctcag cgag AGACCCTTTTAGTCAGTGTGGAAAATC
9	Wang-lentiEF1art-mouse8d-pleuralfluid	B-HIV-GW19	gccttgccagcccgcctcag cgat AGACCCTTTTAGTCAGTGTGGAAAATC
Quadrant 4	Samples	Primer Name	Primer sequence
14	Wang-lentiPGKart-mouse613d-Sca1	B-HIV-GW24	gccttgccagcccgcctcag ctag AGACCCTTTTAGTCAGTGTGGAAAATC
15	Wang-lentiPGKart-mouse401c-thymus	B-HIV-GW25	gccttgccagcccgcctcag ctat AGACCCTTTTAGTCAGTGTGGAAAATC
16	Wang-lentiPGKart-mouse401c-LN	B-HIV-GW26	gccttgccagcccgcctcag ctcg AGACCCTTTTAGTCAGTGTGGAAAATC
17	Wang-lentiPGKart-mouse401c-spleen	B-HIV-GW27	gccttgccagcccgcctcag ctgc AGACCCTTTTAGTCAGTGTGGAAAATC
18	Wang-lentiPGKart-mouse401c-marrow	B-HIV-GW28	gccttgccagcccgcctcag ctgt AGACCCTTTTAGTCAGTGTGGAAAATC

retro samples
first round PCR

linker primer
 KR-5

MseI1 GTAATACGACTCACTATAGGGC
 KR-5 CCTCTTGCAGTTGCATCCGAC

second round PCR

GW3
 B-MLV-GWXX

GW-3 **gcctccctcgcgccatcag**AGGGCTCCGCTTAAGGGAC
 see below for barcoded primer

(Author-vector-mouse-tissue)

Quadrant 1	Samples	Primer Name	Primer sequence
1	Wang-retroRag-mouse215d-marrow	B-MLV-GW11	gccttgccagcccgcctcag cacg TGATTGACTACCCGTCAGCGG
2	Wang-retroRag-mouse215d-thymus	B-MLV-GW12	gccttgccagcccgcctcag caga TGATTGACTACCCGTCAGCGG
3	Wang-retroRag-mouse215d-spleen	B-MLV-GW13	gccttgccagcccgcctcag cata TGATTGACTACCCGTCAGCGG
4	Wang-retroRag-mouse215d-LN	B-MLV-GW14	gccttgccagcccgcctcag catg TGATTGACTACCCGTCAGCGG
5	Wang-retroRag-mouseXd-marrow	B-MLV-GW15	gccttgccagcccgcctcag cgag TGATTGACTACCCGTCAGCGG
6	Wang-retroRag-mouseXd-spleen	B-MLV-GW16	gccttgccagcccgcctcag cgca TGATTGACTACCCGTCAGCGG
7	Wang-retroRag-mouseXd-liver	B-MLV-GW17	gccttgccagcccgcctcag cgcg TGATTGACTACCCGTCAGCGG
8	Wang-retroRag-mouse1c-thymus	B-MLV-GW18	gccttgccagcccgcctcag cgta TGATTGACTACCCGTCAGCGG
9	Wang-retroRag-mouse1c-LN	B-MLV-GW19	gccttgccagcccgcctcag cgtg TGATTGACTACCCGTCAGCGG
10	Wang-retroRag-mouse1c-marrow	B-MLV-GW20	gccttgccagcccgcctcag ctag TGATTGACTACCCGTCAGCGG

NOTE: for barcoded primers in PCR2:

all primers are 5' -> 3'

lower case black: primer B for 454 sequencing

red: 4-bp barcode

upper case black: LTR specific primer