

Lentivirus polyclonal multi-integration site reference - 2%

CBPL0008

I. Description

This product covers 20 insertion sites, coming from 20 genes on 11 different chromosomes, with an integration frequency of 2%.

II. General information

Name	Lentivirus polyclonal multi-integration site reference - 2%
Cat. No.	CBPL0008
Format	Genomic DNA
Size	1ug
Storage Conditions	2~8°C
Expiry	36 months from the date of manufacture

III.Integration sites(hg19)

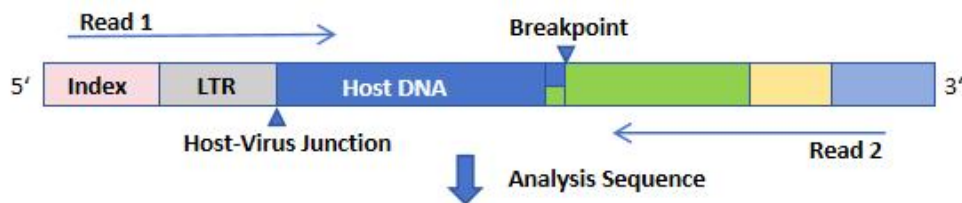
Chromosome location	Breakpoint location	Gene	Frequency
chr2	128744988	SAP130	2%
chr2	213888416	IKZF2	2%
chr3	4871944	ITPR1	2%
chr3	43344305	SNRK	2%
chr4	288630	ZNF732	2%
chr4	16184544	TAPT1	2%
chr6	74230646	EEF1A1	2%
chr8	145512905	BOP1	2%
chr8	145523573	HSF1	2%
chr9	130845722	SLC25A25	2%

chr9	33997906	UBAP2	2%
chr9	131719784	NUP188	2%
chr9	115151308	HSDL2	2%
chr9	139798150	TRAF2	2%
chr16	47285195	ITFG1	2%
chr17	18494286	CCDC144B	2%
chr19	56328752	NLRP11	2%
chr19	55914181	UBE2S	2%
chr22	50808061	PPP6R2	2%
chrX	38435241	TSPAN7	2%

IV.Representative Data

Case presentation – 5% chr3: 4871944 ITPR1 Four test results:

LM-PCR:



chr	start	ref	Func	gene	issite	depth	tran	tss	tss_distanc e	Repeat pos	repN ame	repCl ass	repFa mily
chr3	4871944	G	intronic	ITPR1	chr3_4871944_-	434430	NM_00168272	4558175	313769	chr3:4871638-4871959	AluSx	SINE	Alu

NGS:

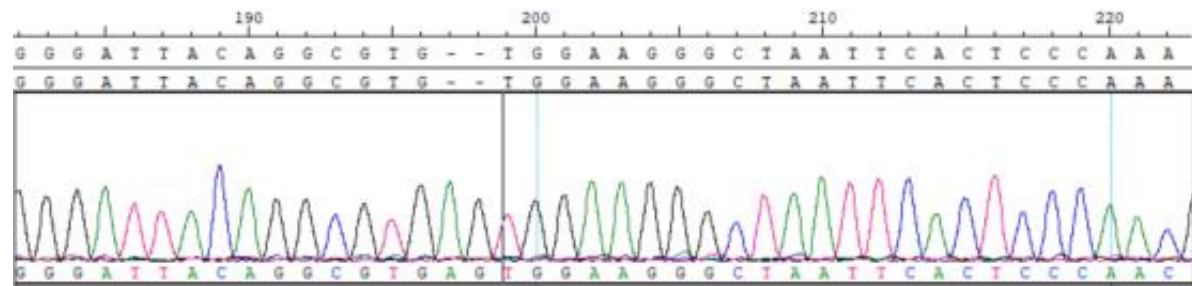
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GGATGGTCTCGAACTCCTGACCTCAGGTGATCCGTCTACCTCAGCCTCCCAAAGCGCTG
GGATTACAGGCGTGAG(--3:4871944)(Vector:6282--)
TGGAAGGGCTAATTCACTCCCAACGAAGACAAGATATCCTTGATCTGTGGATCTACCAC
ACACAAGGCTACTTCC

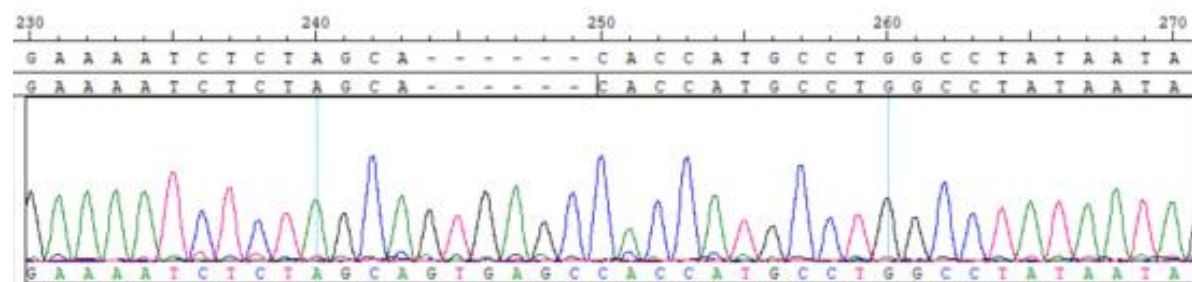
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Sanger:

3'LTR+ITPR1 chr3_4871940



ITPR1 chr3_4871944+5'LTR



DPCR:

