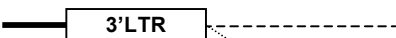


Provirus

Host

ATM (-)



MRC5SV

CTCTAGCA		AAACTAC
CTCTAGCA	g	GGAACC
CTCTAGC-		GAGATAA
CT-----		CTTCAGG
(11bp del)		TGCATCC
(13bp del)		TGCAGAT
(15bp del)		GTAAGAG
(16bp del)		TGATTCA
(20bp del)		

ATM (+)

CTCTAGCA	gtggcgcccgaacag	GGCTTCC
(9bp del)		ACCCCAA
(18bp del)		GCCTAAA
(21bp del)		AAATGCAT

Mre11 (+)

CTCTAGCA	gtt	AGAGACG
CTCTAGCA	taaccacaa	GAAGAAA
CT-----		TTACTAC
(10bp del)		TCACGTA
(12bp del)		TTCTCCT

NBS1 (+)

CTCTAGCA	gtgg	AGGGTTT
(9bp del)		CCCTAGC
(13bp del)		TTTTTAA
(18bp del)		AGTCTCG
(22bp del)		CCAGCCT
(23bp del)		CAAAGCT

CTCTAGCA	g	TTCAAGA
CTCTAGCA	g	TGCACAC
CTCTAGCA	g	TGAGCCT
CTCTAGCA	gt	GTGGTGG
CTCTAGCA	gt	GGTGGGG
CTCTAGCA	cca	ACACACA
CTCTAGCA	tgaggca	CAGTGGT
CTCTAGCA	gctgcctcggcctcccaagt	GCTGGGA
(11bp del)		GGTCAAA
(13bp del)		GGGCGGG

Mre11 (-)

CTCTAGCA	g	TTTTAGT
CTCTAGCA	gt	CAGATTTC
CTCTAGCA	gt	CCCACTG
CTCTAGCA	gttcacggc	ATTCTCC
CTCTAGCA	gtg	CCCTCAG
CTCTAGCA	gtgtgt	GCACCTG
CTCTAGCA	gtgg	AGAGGTT
CTCTAGCA	gtggcg	AGAGGCT
CTCTAGCA	gtggcgcccgaac	AGGTGTA
CTCTAGCA	gtggcgcccgaacaggg	AGCTCGA
CTCTAGCA	atgacatg	TAAGAAA
CTCTA---		CCTATGC
CT-----		AGTATAG

NBS1 (-)

CTCTAGCA	g	TGGCAAT
CTCTAGCA	gttggtgtctcca	TAAGAAA
CTCTAGCA	atatac	TAATTCA
CTCTAGCA	ggtgaggctcgaactcac	AACCACT
CTCTAGCA	ctcacgcacaaaataatactcccca	AAAAAGC
CTCTAG--	tagccc	CGCATGA
(20bp del)		CAAGAGA
(50bp del)		CTACTAG

Artemis (-)

CTCTAGCA	g	AGGGCTA
CTCTAGCA	g	GTTAGCC
CTCTAGCA	gt	CAGTTAA
CTCTAGCA	gt	ATAAAGC
CTCTAGCA	gtt	TCCCAAC
CTCTAGCA	gtg	CCACCAC
CTCTAGCA	gtgaa	CTCATGT
CTCTAGCA	gtgcca	TCCCAGG
CTCTAGCA	c	TAACGTG
(12bp del)	ttttc	AGTCTTT
(11bp del)		GGGAGCT