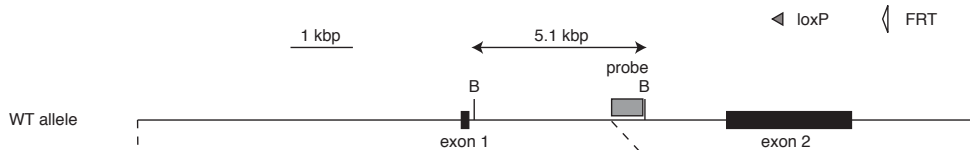


# Supplemental Figure 1:

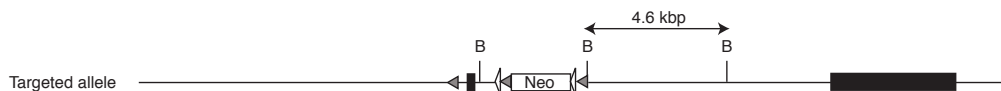
A



B



C



D



E



F.

ES clones

214	312	351	354	wt	wt	wt
				HYB	B6	129



← WT (5.1 kbp)

← Targeted allele (4.6 kbp)

G.

```

AGTAGGTGCTGGGAAGGACAAGTTAATTTGGGATAAGGAACTGGAGTGTCAATGTT
GATGTGTCCTGTTAATGATCTTTTCAGTTAAATTGTCATCAGATAACCCGTTGGGTTCTG
GTATCCCTTTATTCTATTCTGTCTCCTTACTCCTACGACCTGGATGCTGTGCTGGACCA
GAGCAGGCCACTGATATGGTGGTATTTAGCAGCTGCAGAAAGGAACGAGTCACAGC
AGGAATGTGGTCTGAGCTGTGCTGGCTGGACCAAATCAAAGGGCTGGCACAAAAGC
CTGCTGGTTTCCCTGTTGCAAACATCTTTTCTGATGACGCTTCCAGCCTAAAGCTAGA
ATTTTATCTGGGATGTGGCAAGGACCCAGGTGTGAAACTGGAAGCTGTGGGCCATGT
TGCCCCTCTGTTCTGCATCACTGTGAGTGAAATATGGCTTAGTTTCCCATAGAACAGG
ATACTAGTCAACACATACGTATTCTTAGAGCTCTCTACTATGTCTCTGTCTACTGCTCC
TTCTGC
    
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