

SUPPLEMENTARY INFORMATION

A preclinical model of chronic pancreatitis driven by trypsinogen autoactivation

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Supplementary Figure 1. The recombined *T7D23A* targeting sequence. The 5' homology arm starts at c.-4286 in the 5' upstream region and the 3' homology arm ends at c.595-136 in intron 4. Exons are highlighted in yellow, mutation c.68A>C (p.D23A) in exon 2 is in red, the neomycin cassette in intron 1 (between nucleotides c.41-346 and c.41-345) is in blue and the loxP sites are in magenta. Relative to the reference sequence, we found a c.-1110C>A variation, indicated in gray, lowercase bold type. Splice sites are underlined and italicized.

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Supplementary Figure 2. The recombined *T7D23A* sequence after Cre-mediated deletion of the neomycin cassette. The 5' homology arm starts at c.-4286 in the 5' upstream region and the 3' homology arm ends at c.595-136 in intron 4. Exons are highlighted in yellow, mutation c.68A>C (p.D23A) in exon 2 is in red, the residual scar sequence in intron 1 (between nucleotides c.41-346 and c.41-345) is in blue and the remaining loxP site is in magenta. Relative to the reference sequence, we found a c.-1110C>A variation, indicated in gray, lowercase bold type. Splice sites are underlined and italicized.

The primers used for genotyping are also indicated.

Forward primer: CTT GAA ACT AAC AGT GGA CCC T

Reverse primer: AAC TGT GCA CAT TTC CTA ATT G

Products: Mutant allele 757 bp, wild-type allele 630 bp

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 CCATCTTATATCTTGTATTTTAAATAGATAATGAAGTGTGAGTCTGTACTAACGAGGAGGGAAATAATTCCAAGGAAT
 TTTCTGACCTACAAGCAGGAAGGGAGTGACACCTTACCTAGGATATAAAATCACCTATGTGAATATTTGTGTTTATT
 TGCATGATTGGAATTTGGGGGAAGGGAAAGATTGAAGTTGGATATGTTAAAAACTGCTAATCCTTATATCCAG**CCG**
AATTCAGGTGCGCTGGGAGAACACAACATTGATGCCCTTGAGGGTGGTGAGCAATTCATTGATGCAGCTAAAATCA
TCCGCCACCCCAACTATAATGCAAAACACCTATAACAATGACATCATGTTGATTAAGCTGAAGACAGCTGCCACCCTC
AACTCTCGAGTGTCCACTGTCTGCTCTGCCAAGATCTTGTCCATCAGCTGGTACTAGGTGTCTTGTGTCTGGCTGGGG
CAACACCCTGAGCTCTGGCAGTAAGTACCCTGGGACTTGATTACCAAGTGTGAGAAGACTAGAGATGAAAAGCACG
 GTGGGGGGCAAGGTGGTCAAATTTCTCACTCAAGGGAAGTTTCTCTAAGGAGAGAGGCATATGTAGGCAGTGTTAAC
 ATGCATAAATTAGATAGAAAACCTTCTGCCACATCATACAATAGAGACAACAAAAATGAACCTGTAGAAAAAACAC

TCAAAAGCATTTAACTGAAATGGGGGAAGTAAGTAAACAGTGGCTAAAGATTTTGGTGTTCTTTAAGTATACACTT
GTTGAAAGCGGTGGACACCAATGCTCGCACCTGATTTTTAAAAAAAAAAAAATGTTGTGAATTGAATAAAGTTACTTT
CTCAAAAAATGTTCTCCGAAATTATAAGTCACTGGGGAATTTAAAGACAGAGTAGGTGTTAAGAAAAGAGGCAGAAGG
CTGGGAAAGTTGTTTCCAAAAACCATGGATAATCTATTTTCATTCTTGTTTGACAG**CCAACCTACCCTTCACTCCT**
TCAGTGTCTTGATGCTCCTGTCCTCTCTGACAGTTCTTGACACAAGTTCTTACCCAGGCAAGATCACTAGCAACATGT
TCTGTCTGGGCTTCCTGGAGGGCGGAAAGGACTCCTGCCAGGTGGGTTGATTTGTGGTTGTGCTCCCTCTTATTCAT
TCTCCCTCCTCCCTCTGCATCTTTGAAAAAAAAAAGATGGAGAGAGAACATTAACCATCTCTTAGACTATTGGTAA
TAGTAGATTTGGAATATAAATTTAATTGTCTCTATTATATTGATGACTAGAACTAAATGTAAAAAAGATATACAGAA
ATTACTACAAACATTTTATCTGACCGGTGTACCTCAAAAGCTTTATTATAGACTTTACCTTTGAAAGAAGAGCAGAAC
ATTTGAAAAAGTATTCAGTCTCCCCAGTTCTCACACATTTGTAGGTTGATAGATTGACTAAAGAAAGGTGTAGGTCT
GTAAGAAAGATAAAGAACAGTGGCATACAAGGAGACTGCAG

Supplementary Figure 3. Uncropped version of western blots shown in Figure 1F.

