

w-ex3-2
AACTCAGTTTGC GGCGTGG CCTATCCGGGCGAACTTTTGCCGTGATGGG Wild type
AACTCAGTTTGC GG-----GCGAACTTTTGCCGTGATGGG -14
AACTCAGTTTGC GGCGTGG-----GCGAACTTTTGCCGTGATGG -10
AACTCAGTTTGC GGCGTGC-----GGGCGAACTTTTGCCGTGATGG -8
AACTCAGTTTGC GGCGTGGCCTA----GGCGAACTTTTGCCGTGATGGG -4
AACTCAGTTTGC GGCGTGGCg----CGGGCGAACTTTTGCCGTGATGGG +1,-5
AACTCAGTTTGC GGCGTGGC gacttgCGGGCGAACTTTTGCCGTGATGG +6,-7

w-ex3-3
TTTTGGCC GTGATGGGCAGTTCGGTGCCGGAAAGACGACCCTGCTGAAT Wild type
TTTTGGC-----AAAGACGACCCTGCTGAAT -24
TTTTGGCCG-----GAAAGACGACCCTGCTGAAT -21 [x2]
TTTTGGCCGTGATGGGCAG-----ACGACCCTGCTGAAT -16
TTTTGGCCGTGATGGGCAGT-----GCCGGAAAGACGACCCTGCTGAAT -6 [x2]
TTTTGGCCGTGATGGGCAGTTCGG-----AAAGACGACCCTGCTGAAT -6 [x2]

w-ex3-4
CCGGTGCCGGAAAGACGAC CCTGCTGAATGCCCTTGCCTTTCGATCGCCG Wild type
CCGGTGCCGGAAAGACGACCTTGC-----CTTTCGATCGCCG -13 [x3]
CCGGTGCCGGAAAGACGACCCT-----TGCCTTTCGATCGCCG -12
CCGGTGCCGGAAAGACGACCCTGC-----CCTTGCCTTTCGATCGCCG -7 [x2]
CCGGTGCCGGAAAGACGACCCTGC aag---GCCCTTGCCTTTCGATCGCCG +3,-5
CCGGTGCCGGAAAGACGACCCTGCT ttgcctgcccTGCCCTTGCCTTTCG +10,-3

w-ex3-5
TGCCCTTGCCCTTTCGATCG CCG CAGGGCATCCAAGTATCGCCATCCGGGA Wild type
TGCCCTTGCCCTTTCG-----GA -33
TGCCCTTGCCCTTTCGATCGCCGCA----TCCAAGTATCGCCATCCGGGA -5 [x3]
TGCCCTTGCCCTTTCGATCGCCGAGG-CATCCAAGTATCGCCATCCGGGA -1
TGCCCTTGCCCTTTCGATCGCCG atcaagGCATCCAAGTATCGCCATC +6,-1
TGCCCTTGCCCTTTCGATCGCCG gatccgATCCAAGTATCGCCATCCGGG +6,-5

w-ex6-1
GCCGGAGT GCTGCACTTCTTCAACTGCCTGGCGCTGGTCACTCTGGTGGC Wild type
GCCGG----- -153
GCCGGAGTGTGCACTTCTTCAACTG----GCGCTGGTCACTCTGGTGGC -4
GCCGGAGTGTGCACTTCTTCA---GCCTGGCGCTGGTCACTCTGGTGGC -3
GCCGGAGTGTGCACTTCTTCAA-TGCCTGGCGCTGGTCACTCTGGTGGC -1 [x2]
GCCGGAGTGTGCACTTCTTCAg--GCCTGGCGCTGGTCACTCTGGTGGC +1,-3
GCCGGAGTGTGCACTTCT gc--CTGCCTGGCGCTGGTCACTCTGGTGGC +2,-4
GCCGGAGTGC ggggggacca-----GCCTGGCGCTGGTCACTCTGGTGGC +10,-15

Figure S3 Cas9-induced mutations at the *white* locus. The *white* locus in Cas9-induced mutants was PCR-amplified and sequenced. At least six mutants were examined for each gRNA. The wild-type sequence is shown at the top of each set of sequences as a reference. The Cas9-gRNA target sequence is underlined with the PAM indicated in green. Deleted nucleotides are shown as dashes. Inserted nucleotides are indicated in blue lowercase letters. The indel size and the number of occurrences are shown next to each sequence.