

Supplementary data

Fig. S1 DTH FS Neo 2471bp synthetic construct

DTH EXON4 intron (258 bp homology) lox P Neo lox P intron DTH EXON5 (332 bp homology);
A = +1 bp FS insertion; GT = -1 bp FS deletion site

TTGAGGAGGATGTTGAGTTTGAAGGAGCGTTGAACAGGAGCAGTCGGAGTCGCAGTCGCAGG
AGCCAGAAGGCAACACAACAGCCGACCAAGAACGgtgagcagggggttctagaatccagcagccaacat
aagtagtacttaacttctgagaggggctttgaaaagcgtgacattgatttaagtgtctaataatgataaagtccagggcagaggaa
aagcactcagccacacggacaattgtgagtgggcgct

CCGATCATATTCAATAACCCCTTAATATAACTTCGTATAATGTATGCTATAACGAAGTTATTAGG
TCTGAAGAGGAGTTTACGTCCAGCCAAGCTAGCTTGGCTGCAGGTCGTCGAAATTCTACC
GGGTAGGGGAGGCGCTTTTCCCAAGGCAGTCTGGAGCATGCGCTTTAGCAGCCCCGCTG
GGCACTTGGCGCTACACAAGTGGCCTCTGGCCTCGCACACATTCCACATCCACCGGTAGG
CGCCAACCGGCTCCGTTCTTTGGTGGCCCCCTTCGCGCCACCTTCTACTCCTCCCCTAGTC
AGGAAGTTCCCCCGCCCCGCAGCTCGCGTCGTGCAGGACGTGACAAATGGAAGTAGC
ACGTCTCACTAGTCTCGTGACATGGACAGCACCCTGAGCAATGGAAGCGGGTAGGCT
TTGGGGCAGCGCCAATAGCAGCTTTGCTCCTTCGCTTTCTGGGCTCAGAGGCTGGGAAG
GGGTGGTCCGGGGGCGGGCTCAGGGGCGGGCTCAGGGGCGGGGCGGGCGCCCCGAAG
GTCCTCCGGAGGCCCGGCATTCTGCACGCTTCAAAGCGCACGTCTGCCGCGCTGTTCTC
CTCTTCTCATCTCCGGGCTTTTCGACCTGCAGCCTGTTGACAATTAATCATCGGCATAGT
ATATCGGCATAGTATAATACGACAAGGTGAGGAACTAAACC**ATGGGATCGGCCATTGAAC
AAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGTGGAGAGGCTATTCGGCTATGAC
TGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAGGG
GCGCCCGTTCCTTTGTCAAGACCGACCTGTCCGGTGCCCTGAATGAACTGCAGGACG
AGGCAGCGCGGCTATCGTGGCTGGCCACGACGGGCGTTCTTGGCGAGCTGTGCTCGA
CGTTGTCACTGAAGCGGGAAGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCAGGAT
CTCCTGTATCTCACCTTGTCTCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCCG
CGGCTGCATACGCTTGTCCGGCTACCTGCCATTTCGACCACCAAGCGAAACATCGCAT
CGAGCGAGCACGTACTCGGATGGAAGCCGGTCTTGTTCGATCAGGATGATCTGGACGAA
GAGCATCAGGGGCTCGCGCCAGCCGAAGTTCGCCAGGCTCAAGGCGCGCATGCCCG
ACGGCGATGATCTCGTTCGTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAA
AATGGCCGCTTTTCTGGATTATCGACTGTGGCCGGCTGGGTGTGGCGGACCGCTATCA
GGACATAGCGTTGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACC
GCTTCTCGTGCTTTACGGTATCGCCGCTCCCATTTCGCAGCGCATCGCCTTCTATCGCC
TTCTTGACGAGTTCTTCTGA**

AGGGGATCAATTCTTAGAGCTCGCTGATCAGCCTCGACTGT
GCCTTCTAGTTGCCAGCCATCTGTTGTTTGCCCTCCCCCGTGCCTTCTTGACCCTGGAA
GGTGCCACTCCCACTGTCTTTCCTAATAAAAATGAGGAAATTGCATCGCATTGTCTGAGTA
GGTGTCACTTATTCTGGGGGGTGGGGTGGGGCAGGACAGCAAGGGGGAGGATTGGGAA
GACAATAGCAGGCATGCTGGGGATGCGGTGGGCTCTATGGCTTCTGAGGCGGAAAGAAC
CAGCTGGGGCTCGACTAGAGCTTGCAGCAACCCTTAATATAACTTCGTATAATGTATGCTAT
ACGAAGTTATTAGGTCCCTCGAGGGGATCCACTAG

cgctcgtctctctctctctctctctctctctgtggaatgtcgacattccctttcatttgtacgctcgactaataacaagtacgaaatcgcttt
gcctggcaaccgtctcactgccactgccacgtagctcgcttatcgtttacgtgaccctaagccttgaagattgcatccttaacctacaca
ttatccccgcttttttggccctttgagATTACGGTCTCACCGAGGACGAGTTTTGTTGGCCAAATGCCGC