

Supplemental Table S1. Sequence of the EGFPc>G reporter

mCherry-P2A-EGFP c.321C>G

ATGGTGAGCAAGGGCGAGGAGGATAACATGGCCATCATCAAGGAGTTCATGCGCTTCAAG
GTGCACATGGAGGGCTCCGTGAACGGCCACGAGTTCGAGATCGAGGGCGAGGGCGAGGGC
CGCCCTACGAGGGCACCCAGACCGCCAAGCTGAAGGTGACCAAGGGTGGCCCCCTGCC
TTCGCCTGGGACATCCTGTCCCCCAGTTCATGTACGGCTCCAAGGCCTACGTGAAGCAC
CCCGCCGACATCCCCGACTACTTGAAGCTGTCTTCCCCGAGGGCTTCAAGTGGGAGCGC
GTGATGAACTTCGAGGACGGCGGCGTGGTGAACCGTGACCCAGGACTCCTCCCTCCAGGAC
GGCGAGTTCATCTACAAGGTGAAGCTGCGCGGCACCAACTTCCCTCCGACGGCCCCGTA
ATGCAGAAGAAGACCATGGGCTGGGAGGCCCTCTCCGAGCGGATGTACCCCGAGGACGGC
GCCCTGAAGGGCGAGATCAAGCAGAGGCTGAAGCTGAAGGACGGCGCCACTACGACGCT
GAGGTCAAGACCACCTACAAGGCCAAGAAGCCCGTGACGCTGCCCGGCGCCTACAACGTC
AACATCAAGTTGGACATCACCTCCACAACGAGGACTACACCATCGTGAACAGTACGAA
CGCGCCGAGGGCCGCACTCCACCGCGGCATGGACGAGCTGTACAAGGGAAGCGGAGCT
ACTAACTTCAGCCTGCTGAAGCAGGCTGGAGACGTGGAGGAGAACCCTGGACCTATGGTG
AGCAAGGGCGAGGAGCTGTTACCGGGGTGGTGCCCATCTGGTTCGAGCTGGACGGCGAC
GTAAACGGCCACAAGTTTACGCGTGTCCGGCGAGGGCGAGGGCGATGCCACCTACGGCAAG
CTGACCCTGAAGTTCATCTGCACCACCGGCAAGCTGCCCGTGCCTGGCCACCCTCGTG
ACCACCCTGACCTACGGCGTGCAGTGTCTCAGCCGCTACCCCGACCATGAAGCAGCAC
GACTTCTTCAAGTCCGCCATGCCGAAGGCTACGTCCAGGAGCGCACCATCTTCTTCAAG
GACGACGGCAACTAGAGACCCGCGCCGAGGTGAAGTTCGAGGGCGACACCCCTGGTGAAC
CGCATCGAGCTGAAGGGCATCGACTTCAAGGAGGACGGCAACATCCTGGGGCACAAGCTG
GAGTACAACCTACAACAGCCACAACGCTCTATATCATGGCCGACAAGCAGAAGAACGGCATC
AAGGTGAACTTCAAGATCCGCCACAACATCGAGGACGGCAGCGTGCAGCTCGCCGACCAC
TACCAGCAGAACACCCCATCGGCGACGGCCCGTGCTGCTGCCCGACAACCACTACCTG
AGCACCCAGTCCGCCCTGAGCAAAGACCCCAACGAGAAGCGCGATCACATGGTCTGCTG
GAGTTCGTGACCGCCCGGGATCACTCTCGGCATGGACGAGCTGTACAAGTAA

tagBFP-P2A-EGFP c.321C>G

ATGAGCGAGCTGATTAAGGAGAACATGCACATGAAGCTGTACATGGAGGGCACCGTGGAC
AACCATCACTTCAAGTGCACATCCGAGGGCGAAGGCAAGCCCTACGAGGGCACCCAGACC
ATGAGAATCAAGGTGGTTCGAGGGCGGCCCTCTCCCTTCGCCTTCGACATCCTGGTACT
AGCTTCTCTACGGCAGCAAGACCTTCATCAACCACACCCAGGGCATCCCCGACTTCTTC
AAGCAGTCTTCCCTGAGGGCTTCATGGGAGAGAGTACCACATACGAACACGGGGGC
GTGCTGACCCTACCCAGGACACCAGCCTCCAGGACGGCTCATCTACAGCCTCAAG
ATCAGAGGGGTGAAGTTCACATCCAACGGCCCTGTGATGCAGAGAAAACACTCGGCTGG
GAGGCCTTACCGAGACGCTGTACCCCGCTGACGGCGGCCCTGGAAGGCAGAAACGACATG
GCCCTGAAGCTCGTGGGCGGGAGCCATCTGATCGCAAACATCAAGACCACATATAGATCC
AAGAAACCCGCTAAGAACCTCAAGATGCCTGGCGTCTACTATGTGGACTACAGACTGGAA
AGAATCAAGGAGGCCAACAACGAGACCTACGTGAGCAGCAGAGGTGGCAGTGGCCAGA
TACTGCGACCTCCCTAGCAAACCTGGGGCACAAGCTTAATGGAAGCGGAGCTACTAACTTC
AGCCTGCTGAAGCAGGCTGGAGACGTGGAGGAGAACCCTGGACCTATGGTGAGCAAGGGC
GAGGAGCTGTTACCGGGGTGGTGCCCATCTGGTTCGAGCTGGACGGCGACGTAAACGGC
CACAACTTTCAGCGTGTCCGGCGAGGGCGAGGGCGATGCCACCTACGGCAAGCTGACCCTG
AAGTTCATCTGCACCACCGGCAAGCTGCCCGTGCCCTGGCCACCCCTCGTGACCACCTG
ACCTACGGCGTGCAGTGTCTCAGCCGCTACCCCGACCATGAAGCAGCAGCAGCTTCTTC
AAGTCCGCCATGCCGAAGGCTACGTCCAGGAGCGCACCATCTTCTTCAAGGACGACGGC
AACTAGAGACCCGCGCCGAGGTGAAGTTCGAGGGCGACACCCCTGGTGAACCGCATCGAG
CTGAAGGGCATCGACTTCAAGGAGGACGGCAACATCCTGGGGCACAAGCTGGAGTACAAC
TACAACAGCCACAACGCTCTATATCATGGCCGACAAGCAGAAGAACGGCATCAAGGTGAAC
TTCAAGATCCGCCACAACATCGAGGACGGCAGCGTGCAGCTCGCCGACCCTACCGACGAG
AACACCCCATCGGCGACGGCCCGTGCTGCTGCCCGACAACCACTACCTGAGCACCCAG
TCCGCCCTGAGCAAAGACCCCAACGAGAAGCGCGATCACATGGTCTGCTGGAGTTCGTG
ACCGCCCGGGGATCACTCTCGGCATGGACGAGCTGTACAAGTAA

Red letters: The *mCherry* gene. Blue letters: The *tagBFP* gene. Purple letters: The P2A peptide coding sequence.
Green letters: The *EGFP* gene with c.321C>G mutation (in a black box).