**Figure S3**

gtcgacatcgatcacacattaaaatgtcgtcaaatattgttcttctttgcctcagtgtttaaatttttatttccccatgacacaatccagctttatttgacactcattctctcaactctcatctgattcttactgttaatatttatccaagagaactactgccatgatgctttaaaagtttttctgtagctgttgcatattgacttctaacacttagaggtgggggtccactaggaaaactgtaacaataagagtggagatagctgtcagcaacttttgtgagggtgtgctacagggtgtagagcactgtgaagtctctacatgagtgaagtcatgatatgatcctttgagagcctttagccgccgcagaacagcagtctggctatttagatagaacaacttgattttaagataaaagaactgtctatgtagcatttatgcatttttcttaagcgtcgatggaggagtttgtaaatgaagtacagttcattacgatacacgtctgcagtcaactggaattttcatgattgaattttgtaaggtattttgaaataatttttcatataaaggtgagtttgtattaaaaggtactggtggagtatttgatagtgtattaaccttatgtgtgacatgttctaatatagtcacattttcattatttttattataaggcctgctgaaaatgactgaatataaacttgtggtagttggagctggt**GCC**gtaggcaagagtgccttgacgatacagctaattcagaatcattttgtggacgaatatgatccaacaatagaggtaaatcttgttttaatatgcatattactggtgcaggaccattctttgatacagataaaggtttctctgaccattttcatgagtacttattacaagataattatgctgaaagttaagttatctgagagctcctgggacggaggcttgtttgcgaggccgcggccggccgaagttcctattctctagaaagtataggaacttctaccgggtaggggaggcgcttttcccaaggcagtctggagcatgcgctttagcagccccgctgggcacttggcgctacacaagtggcctctggcctcgcacacattccacatccaccggtaggcgccaaccggctccgttctttggtggccccttcgcgccaccttctactcctcccctagtcaggaagttcccccccgccccgcagctcgcgtcgtgcaggacgtgacaaatggaagtagcacgtctcactagtctcgtgcagatggacagcaccgctgagcaatggaagcgggtaggcctttggggcagcggccaatagcagctttgctccttcgctttctgggctcagaggctgggaaggggtgggtccgggggcgggctcaggggcgggctcaggggcggggcgggcgcccgaaggtcctccggaggcccggcattctgcacgcttcaaaagcgcacgtctgccgcgctgttctcctcttcctcatctccgggcctttcgacctgcatccatctagatctcgatcgagcagctgaagcttaccatgaccgagtacaagcccacggtgcgcctcgccacccgcgacgacgtccccagggccgtacgcaccctcgccgccgcgttcgccgactaccccgccacgcgccacaccgtcgatccggaccgccacatcgagcgggtcaccgagctgcaagaactcttcctcacgcgcgtcgggctcgacatcggcaaggtgtgggtcgcggacgacggcgccgcggtggcggtctggaccacgccggagagcgtcgaagcgggggcggtgttcgccgagatcggcccgcgcatggccgagttgagcggttcccggctggccgcgcagcaacagatggaaggcctcctggcgccgcaccggcccaaggagcccgcgtggttcctggccaccgtcggcgtctcgcccgaccaccagggcaagggtctgggcagcgccgtcgtgctccccggagtggaggcggccgagcgcgccggggtgcccgccttcctggagacctccgcgccccgcaacctccccttctacgagcggctcggcttcaccgtcaccgccgacgtcgaggtgcccgaaggaccgcgcacctggtgcatgacccgcaagcccggtgcctgagggaggctaactgaagcttcccgggggtaccaaattcgtcgacagatctaacttgtttattgcagcttataatggttacaaataaagcaatagcatcacaaatttcacaaataaagcatttttttcactgcattctagttgtggtttgtccaaactcatcaatgtatcttatgatgtctgcatatggaagttcctattctctagaaagtataggaacttcgcggccgctcccacccgctcgtccccccgcgcacctttgctaggagcgggtcgcccgagctcaatgtaccttgggtttcaagttatatgtaaccattaatatgggaactttactttccttgggagtatgtcagggtccatgatgttcactctctgtgcattttgattggaagtgtatttcagagtttcgtgagagggtagaaatttgtatcctatctggacctaaaagacaatctttttattgtaacttttatttttatgggtttcttggtattgtgacatcatatgtaaaggttagatttaattgtactagtgaaatataattgtttgatggttgatttttttaaacttcatcagcagtattttcctatcttcttctcaacattagagaacctacaactaccggataaattttacaaaatgaattatttgcctaaggtgtggtttatataaaggtactattaccaactttacctttgctttgttgtcatttttaaatttactcaaggaaatactaggatttaaaaaaaaattccttgagtaaatttaaattgttatcatgtttttgaggattattttcagatttttttagtttaatgaaaatttaccaaagtaaagaccagcagcagaatgataagtaaagacctgtaagacaccttgaaggtcatggagtagaacttccatcccaagcagatgaggatttatttaatctcaaagacctccaggaggggacattccccaactgtccttgttaactcattttcagaacatatttattagcatattttacatgtaatttggatcttcatgttaaatttaacatcagtggagatggaaaataagcatatcgccttgtctttgaaatagccctatattgttagattgtttcttaggcttctttaccctgggttaagcagtcctaatactttagcgaattctgcagtcgacggtacccggccgcgactctagatcataatcagCtcgagcttaacaagcttcgaaacgatatgggctgaatacaaaaacgatatgggctgaatacaaaaacgatatgggctgaatacaaaccgcttgaagtctttaattaaaccgcttgaagtctttaattaaaccgcttgaagtctttaattaaaggatccaccggatctagataactgatcataatcgcggccgcactcctcaggtgcaggctgcctatcagaaggtggtggctggtgtggccaatgccctggctcacaaataccactgagatctttttccctctgccaaaaattatggggacatcatgaagccccttgagcatctgacttctggctaataaaggaaatttattttcattgcaatagtgtgttggaattttttgtgtctctcactcggaaggacatatgggagggcaaatcatttaaaacatcagaatgagtatttggtttagagtttggcaacatatgccatatgctggctgccatgaacaaaggtggctataaagaggtcatcagtatatgaaacagccccctgctgtccattccttattccatagaaaagccttgacttgaggttagattttttttatattttgttttgtgttatttttttctttaacatccctaaaattttccttacatgttttactagccagatttttcctcctctcctgactactcccagtcatagctgtccctcttctcttatgaagatccctcgacctgcagcccaagcttggcgtaatcatggtcatagctgtttcctgtgtgaaattgttatccgctcacaattccacacaacatacgagccggaagcataaagtgtaaagcctggggtgcctaatgagtgagctaactcacattaattgcgttgcgctcactgcccgctttccagtcgggaaacctgtcgtgccagcggatccgcatctcaattagtcagcaaccatagtcccgcccctaactccgcccatcccgcccctaactccgcccagttccgcccattctccgccccatggctgactaattttttttatttatgcagaggccgaggccgcctcggcctctgagctattccagaagtagtgaggaggcttttttggaggcctaggcttttgcaaaaagctaacttgtttattgcagcttataatggttacaaataaagcaatagcatcacaaatttcacaaataaagcatttttttcactgcattctagttgtggtttgtccaaactcatcaatgtatcttatcatgtctggatccgctgcattaatgaatcggccaacgcgcggggagaggcggtttgcgtattgggcgctcttccgcttcctcgctcactgactcgctgcgctcggtcgttcggctgcggcgagcggtatcagctcactcaaaggcggtaatacggttatccacagaatcaggggataacgcaggaaagaacatgtgagcaaaaggccagcaaaaggccaggaaccgtaaaaaggccgcgttgctggcgtttttccataggctccgcccccctgacgagcatcacaaaaatcgacgctcaagtcagaggtggcgaaacccgacaggactataaagataccaggcgtttccccctggaagctccctcgtgcgctctcctgttccgaccctgccgcttaccggatacctgtccgcctttctcccttcgggaagcgtggcgctttctcaatgctcacgctgtaggtatctcagttcggtgtaggtcgttcgctccaagctgggctgtgtgcacgaaccccccgttcagcccgaccgctgcgccttatccggtaactatcgtcttgagtccaacccggtaagacacgacttatcgccactggcagcagccactggtaacaggattagcagagcgaggtatgtaggcggtgctacagagttcttgaagtggtggcctaactacggctacactagaaggacagtatttggtatctgcgctctgctgaagccagttaccttcggaaaaagagttggtagctcttgatccggcaaacaaaccaccgctggtagcggtggtttttttgtttgcaagcagcagattacgcgcagaaaaaaaggatctcaagaagatcctttgatcttttctacggggtctgacgctcagtggaacgaaaactcacgttaagggattttggtcatgagattatcaaaaaggatcttcacctagatccttttaaattaaaaatgaagttttaaatcaatctaaagtatatatgagtaaacttggtctgacagttaccaatgcttaatcagtgaggcacctatctcagcgatctgtctatttcgttcatccatagttgcctgactccccgtcgtgtagataactacgatacgggagggcttaccatctggccccagtgctgcaatgataccgcgagacccacgctcaccggctccagatttatcagcaataaaccagccagccggaagggccgagcgcagaagtggtcctgcaactttatccgcctccatccagtctattaattgttgccgggaagctagagtaagtagttcgccagttaatagtttgcgcaacgttgttgccattgctacaggcatcgtggtgtcacgctcgtcgtttggtatggcttcattcagctccggttcccaacgatcaaggcgagttacatgatcccccatgttgtgcaaaaaagcggttagctccttcggtcctccgatcgttgtcagaagtaagttggccgcagtgttatcactcatggttatggcagcactgcataattctcttactgtcatgccatccgtaagatgcttttctgtgactggtgagtactcaaccaagtcattctgagaatagtgtatgcggcgaccgagttgctcttgcccggcgtcaatacgggataataccgcgccacatagcagaactttaaaagtgctcatcattggaaaacgttcttcggggcgaaaactctcaaggatcttaccgctgttgagatccagttcgatgtaacccactcgtgcacccaactgatcttcagcatcttttactttcaccagcgtttctgggtgagcaaaaacaggaaggcaaaatgccgcaaaaaagggaataagggcgacacggaaatgttgaatactcatactcttcctttttcaatattattgaagcatttatcagggttattgtctcatgagcggatacatatttgaatgtatttagaaaaataaacaaataggggttccgcgcacatttccccgaaaagtgccacctg

**S3 Fig: Nucleotide sequence of the donor plasmid for generation of the G13A/+ SW48 cells.** The left arm was highlighted in yellow. The right arm was highlighted in purple. The puromycin resistance gene cassette was highlighted in grey. The two FRT sites were highlighted in red. The CRISPR target sites (20nts) were divided into two 10nts sequences and highlighted in blue. The KRAS 13th codon, which was mutated from GGC to GCC, was in capital letters and underlined.