**Supplementary File 2.** FAP expression plasmid sequence

Color coding: gray = hEF1 promoter; red = human FAP gene; purple = IRES; magenta = mKate gene; green = blasticidin resistance gene.

 1 tgcctttgca gctaatggac cttctaggtc ttgaaaggag tgggaattgg ctccggtgcc

 61 cgtcagtggg cagagcgcac atcgcccaca gtccccgaga agttgggggg aggggtcggc

 121 aattgaaccg gtgcctagag aaggtggcgc ggggtaaact gggaaagtga tgtcgtgtac

 181 tggctccgcc tttttcccga gggtggggga gaaccgtata taagtgcagt agtcgccgtg

 241 aacgttcttt ttcgcaacgg gtttgccgcc agaacacagg taagtgccgt gtgtggttcc

 301 cgcgggcctg gcctctttac gggttatggc ccttgcgtgc cttgaattac ttccacctgg

 361 ctgcagtacg tgattcttga tcccgagctt cgggttggaa gtgggtggga gagttcgagg

 421 ccttgcgctt aaggagcccc ttcgcctcgt gcttgagttg aggcctggcc tgggcgctgg

 481 ggccgccgcg tgcgaatctg gtggcacctt cgcgcctgtc tcgctgcttt cgataagtct

 541 ctagccattt aaaatttttg atgacctgct gcgacgcttt ttttctggca agatagtctt

 601 gtaaatgcgg gccaagatct gcacactggt atttcggttt ttggggccgc gggcggcgac

 661 ggggcccgtg cgtcccagcg cacatgttcg gcgaggcggg gcctgcgagc gcggccaccg

 721 agaatcggac gggggtagtc tcaagctggc cggcctgctc tggtgcctgg cctcgcgccg

 781 ccgtgtatcg ccccgccctg ggcggcaagg ctggcccggt cggcaccagt tgcgtgagcg

 841 gaaagatggc cgcttcccgg ccctgctgca gggagctcaa aatggaggac gcggcgctcg

 901 ggagagcggg cgggtgagtc acccacacaa aggaaaaggg cctttccgtc ctcagccgtc

 961 gcttcatgtg actccacgga gtaccgggcg ccgtccaggc acctcgatta gttctcgagc

 1021 ttttggagta cgtcgtcttt aggttggggg gaggggtttt atgcgatgga gtttccccac

 1081 actgagtggg tggagactga agttaggcca gcttggcact tgatgtaatt ctccttggaa

 1141 tttgcccttt ttgagtttgg atcttggttc attctcaagc ctcagacagt ggttcaaagt

 1201 ttttttcttc catttcaggt gtcgtgagga attagcttgg tactaatacg actcactata

 1261 gcctggccac catgaagact tgggtaaaaa tcgtatttgg agttgccacc tctgctgtgc

 1321 ttgccttatt ggtgatgtgc attgtcttac gcccttcaag agttcataac tctgaagaaa

 1381 atacaatgag agcactcaca ctgaaggata ttttaaatgg aacattttct tataaaacat

 1441 tttttccaaa ctggatttca ggacaagaat atcttcatca atctgcagat aacaatatag

 1501 tactttataa tattgaaaca ggacaatcat ataccatttt gagtaataga accatgaaaa

 1561 gtgtgaatgc ttcaaattac ggcttatcac ctgatcggca atttgtatat ctagaaagtg

 1621 attattcaaa gctttggaga tactcttaca cagcaacata ttacatctat gaccttagca

 1681 atggagaatt tgtaagagga aatgagcttc ctcgtccaat tcagtattta tgctggtcgc

 1741 ctgttgggag taaattagca tatgtctatc aaaacaatat ctatttgaaa caaagaccag

 1801 gagatccacc ttttcaaata acatttaatg gaagagaaaa taaaatattt aatggaatcc

 1861 cagactgggt ttatgaagag gaaatgcttg ctacaaaata tgctctctgg tggtcgccta

 1921 atggaaaatt tttggcatat gcggaattta atgatacgga tataccagtt attgcctatt

 1981 cctattatgg cgatgaacaa tatcctagaa caataaatat tccataccca aaggctggag

 2041 ctaagaatcc cgttgttcgg atatttatta tcgataccac ttaccctgcg tatgtaggtc

 2101 cccaggaagt gcctgttcca gcaatgatag cctcaagtga ttattatttc agttggctca

 2161 cgtgggttac tgatgaacga gtatgtttgc agtggctaaa aagagtccag aatgtttcgg

 2221 tcctgtctat atgtgacttc agggaagact ggcagacatg ggattgtcca aagacccagg

 2281 agcatataga agaaagcaga actggatggg ctggtggatt ctttgtttca acaccagttt

 2341 tcagctatga tgccatttcg tactacaaaa tatttagtga caaggatggc tacaaacata

 2401 ttcactatat caaagacact gtggaaaatg ctattcaaat tacaagtggc aagtgggagg

 2461 ccataaatat attcagagta acacaggatt cactgtttta ttctagcaat gaatttgaag

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 2641 actacgccaa gtactatgca cttgtctgct acggcccagg catccccatt tccacccttc

 2701 atgatggacg cactgatcaa gaaattaaaa tcctggaaga aaacaaggaa ttggaaaatg

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 2881 taattcaagt gtatggtggt ccctgcagtc agagtgtaag gtctgtattt gctgttaatt

 2941 ggatatctta tcttgcaagt aaggaaggga tggtcattgc cttggtggat ggtcgaggaa

 3001 cagctttcca aggtgacaaa ctcctctatg cagtgtatcg aaagctgggt gtttatgaag

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 3181 gaactggtct tttcaaatgt ggtatagcag tggctccagt ctccagctgg gaatattacg

 3241 cgtctgtcta cacagagaga ttcatgggac tcccaacaaa ggatgataat cttgagcact

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 3361 tccacggaac agcagatgat aatgtgcact ttcaaaactc agcacagatt gctaaagctc

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 3481 ccggcctgtc cacgaaccac ttatacaccc acatgaccca cttcctaaag cagtgtttct

 3541 ctttgtcaga ctaagactgg gatccgcccc tctccctccc ccccccctaa cgttactggc

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