**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

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1561 gtgtgaatgc ttcaaattac ggcttatcac ctgatcggca atttgtatat ctagaaagtg

1621 attattcaaa gctttggaga tactcttaca cagcaacata ttacatctat gaccttagca

1681 atggagaatt tgtaagagga aatgagcttc ctcgtccaat tcagtattta tgctggtcgc

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1861 cagactgggt ttatgaagag gaaatgcttg ctacaaaata tgctctctgg tggtcgccta

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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

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2761 ctttgaaaaa tatccagctg cctaaagagg aaattaagaa acttgaagta gatgaaatta

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2881 taattcaagt gtatggtggt ccctgcagtc agagtgtaag gtctgtattt gctgttaatt

2941 ggatatctta tcttgcaagt aaggaaggga tggtcattgc cttggtggat ggtcgaggaa

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3181 gaactggtct tttcaaatgt ggtatagcag tggctccagt ctccagctgg gaatattacg

3241 cgtctgtcta cacagagaga ttcatgggac tcccaacaaa ggatgataat cttgagcact

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4261 ctacgagggc acccagacca tgagaatcaa ggcggtcgag ggcggccctc tccccttcgc

4321 cttcgacatc ctggctacca gcttcatgta cggcagcaaa accttcatca accacaccca

4381 gggcatcccc gacttcttta agcagtcctt ccccgagggc ttcacatggg agagagtcac

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