

## BHLF1 Probes

TCTGCTGGTCCGGTGCACCTG
AGCCGGGGTTCTGGCGCTCC
GCACCGCTGCGCCGCCGCCAG
CCCCGCTCCGGGTGGGGGGTG
GCGGCCGCCGGTGGGTCCGC

## Control Probes (BHLF1)

CAGGTGCACCGGACCAGCAGA
GGAGCGCCAGGAACCCCGCT
CTGGCGGGCGGCAGCGGTGC
CACCCCCACCCGGAGCGGGG
GCGGACCCACCGGCGGCCGC

## EBER1 Probes

TACCAGCTGGTGGTCCGCATG
ACTCTGCTTCTGCCGTCTTC
AGGACGGTGTCTGTGTTTGTG
CCGTCCCGGTACAAGTCCCG
GGGAGGAGACGTGTGTGGCTG
GACCTACGCTGCCCTAGAGGT

## Control Probes (EBER1)

CATGCGGACCACCAGCTGGTA
GAAGACGGCAGAAAGCAGAGT
GACAACCACAGACACCGTCCT
CGGGACTTGTACCCGGGACGG
CAGCCACACAGTCTCCTCCC
ACCTTAGGGCAGCGTAGGTC

## BMRF1 Probes

GCGGAGAGTCTGAGTGGTTTCC
CAGGACGGCTAGGGCCTTGGTC
GAGTCTGGGCATGGTCATAGCAC
GGTTTACCTGCAGCACTCCTCC
CCGGGGCCTCCATAGTTTACAG
CGTGCTGCGTTGGCCACGG
GGGGAGACCTCGAAGCTGATTAGC
GTGATTCTGCCACTCGGCCACAG
CTAATGACACGGCGCCGGG
GACACAGGTGCGCCCGTAGG
CAGCCGAGCCAAACAGCTCCTTG
CCGCTTGTAATAATGCAGGGAAGCC
CAAATTCAGGCCGGGAACCCC
GGTGTGGTGGCTCTTGGACACC
CGGGGGCATATAGGGCATCAGG
CTGCTCGTTCCTCAGCTGTGCG
CTTGGGCATCAACAGCACCTGCC
GTGCCACTTCTGCAACGAGG
GTATGGCCCCACACTCAGAGGC
CTTGGCCACAGGGCCAGTGAAG
CCTCAACGGCCCCACGTCC
CCGCTGCTACCGAGCAGACAAC
GGCTAAGCGCCGCCGACG
CACGCTAACGGCCGGAATGCG
GGCCACCACAGCTATGATGCCAG
CTAAGATCCAACGGCAGGTCCCC
CGCCTCTTCGGAGGCGTGG
CTTCTGGCTCAGAGGCCGTA CTG
GTCCTGTGCCAGTGGTTGCAC
GACCGTATGTCTGGGGCGTTG
GAGGTGGCGGAGGTGAAGGAG
GCCGGACTCTCCCAAGTAGGGG
GGCAGGCGAGGGTGTCTCTG
GCGGTGTTGCTGGAGTGGCTG
GAGCTGAACAGCCAGAGCCCTC
GCCTGGCCTCCGACGATGTCC
GCCTGCTTCACTTCTTGGGGTGC

## Control Probes (BMRF1)

GGAACCACTCAGACTCTCCGC
GACCAAGGCCCTAGCCGTCTCTG
GTGCTATGACCATGCCAGACTC
GGAGGAGTGTGCAGGTAACCC
CTGTAACTATGGAGGCCCCCGG
CCGTGGCCAACGCAGGCACG
GCTAATCAGTTCGAGGTCTCCCC
CTGTGGCCGAGTGGCAGAATCAC
CCCGGCCGCCGTGTCAATTAG
CCTACGGGCGCACCTGTGTCT
CAAGGAGCTGTTTGGCTCGGCTG
GGCTTCCCTGCAATTTACAAGCGG
GGGGTCCCGGCCGTAATTTG
GGTGTCCAAGAGCCACCACACC
CCTGATGCCCTATATGCCCCCG
CGACAGGCTGAGGAACGAGCAG
GGCAGGTGCTGTTGATGCCCAAG
CCTCGTTGCAGAAGTGGGCAC
GCCTCTGAGTGTGGGGCCATAC
CTTCACTGGCCCTGTGGCCAAG
GGACGTGGGGGCCGTTGAGG
GTTGTCTGCTCGGTAGCAGCGG
GTGGCGGCGGCCGCTTAGCC
CGCATTCCGGCCGTTAGCGTG
CTGGCATCATAGCTGTGGTGGCC
GGGGACCTGCCGTTGGATCTTAG
CCACGCCTCCGAAGAGGCG
CAGTACGGCCTCTGAGCCAGAAG
GTGCAACCACTGGGCACAGGAC
CAACGCCCCAGACATACGGTC
CTCCTTCACTCCGCCACCTC
CCCCTACTTGGGAGAGTCCGGC
CAGAGACACCCTCGCCTGCC
CAGCCACTCCAGCAACACCCG
GAGGCCTCTGCTGTTTCACTC
GGACATCGTCGGAGGCCAGGC
GCACCCCAAGAAAGTGAAGCAGGC

**Table S1. Sequence information of probes used in RNA-FISH analyses.** All probes used in RNA-FISH analyses were custom-designed DNA oligonucleotides purchased from IDT.