



### V374p PG9HC Donor DNA:

AAAAGTCCATTTTCTCTGATTAAACAGTTATTGTTGATTTTATTCTTGTGTAAAAAAGAAATTCTCATCTATGTACATTTCA  
 AACCTGAATAACAAAATTTTATTAACACCAAAAAATAATAAAGAATCCAAATATTTATCAGCTGCCTAATAGAAAAACAAA  
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 ACTGATCTAAAGTAATATAAAGAAGATTAGTAGTTTCTGGGAATATGTTGGCAGAAGGGAAGGAGAAAGGATAAGGAAA  
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 CATGATTATCAGTTTACACTTAAATATGTAAAGTTTATAATCTGTCAATCAAATCTTATAAAATGTATTATGAGGAAACAA  
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 AGGCCAGATACCGAACTCACTCATCCAGACATGAGCTCTTAGATACACAGAGAGCCCATCCATGTGTGGATTATCTT  
 ACATCTGTAAAGTAGAGAACATTGACTCTTACAGAACATAATTTACACACATAGGTAATCTGAAAATAAGGTGATCAGTGTG  
 AAGATTTTATCACAGCACAGTTTCATAATAAGCACAATTTCTCAAATCCATTGTTGTCCACCATCTTCTCAGGACACTTTT  
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 ATTCCAAGGATACGCTTTATCTCAAATGAATAGCCTGAGAGCTGAGGACACGGCTACATATTTTGTGTGAGAGAGGCTG  
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 GGGTCTCCGGCACCCACAGCAGGTGGCAGGAAGCAGGTCACCGCAGAGTCTATTTTAGGAAGCAAAAAACACAATTG  
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 CTGGACAATTTGCGTTTCTAAATAAGGCGAGGCTGACCAGAACTGAAAAGGCTTTTTTAACTATCTGAATTTCAATTCCA  
 ATCTTAGCTTATC

Human IGHV V4-34 promoter, IMGT reference sequence GenBank: AB019439  
 CCTTCAGCACATTTCTACCTT: 5' crisper guide sequence and PAM site mutation  
 Human IGHV V3-33 Leader sequence. IMGT reference sequence GenBank: AB019439  
 Human IGHV V3-33 intron, IMGT reference sequence GenBank: AB019439  
 Human IGHV V3-33 gene, IMGT reference sequence GenBank: AB019439  
 PG9 heavy chain VDJ gene, GenBank GU272045.1  
 3' of the IGHV J6 gene (intron), IMGT reference sequence GenBank: AL122127  
 TCCTCGGGGCACTGTTCCGAGGTT: 3' crisper guide sequence and PAM site mutation  
 Human IGH V3-74 promoter, IMGT reference sequence GenBank: AB019437  
 GAAAACGAGCCCTGCAGCTCTAA: 5' crisper guide sequence and PAM site mutation