Supplementary Table S3

Primer name	Sequence
HGC1 del rHIS1rSapI/F	ATCAAAGCATCAAACCAATACCCAACACTTTAATATCTAGGGTTTCCATTCACATATACACATATAAACATATATTAATACTCGAGGTCGACGGTATCG
HGC1 del rHIS1rKpnI/R	AAAACATCATTAAAATTTCATATCATAATAACAACATCTTTCTCCATTCTCCATTCTCTACTTTATCTTTCTCTCTTTCTCCAATACGCAAACCGCC
HIS1 CRIME/F	GCGCAAGAAGCCTCAACT
HIS1 CRIME/R	GAGCTACAGGGCTTGACC
sgRNA/F HGC1	GGTATCGATACCGATAATGAGTTTTAGAGCTAGAAATAGCAAGTTAAA
SNR52/R HGC1	TCATTATCGGTATCGATACCCAAATTAAAAATAGTTTACGCAAGTC
HGC1 check up/F	CTTACATTTTAGACGACCAACGG
HGC1 check int/R	CACCCATTACTTTACTTGCAATCC
CdHIS1 Check Int/R	GGCGCAACAGATATATTGGTGCTCG
SNR52/F	AAGAAAGAAAGAAAACCAGGAGTGAA
sgRNA/R	ACAAATATTTAAACTCGGGACCTGG
SNR52/N	GCGGCCGCAAGTGATTAGACT
sgRNA/N	GCAGCTCAGTGATTAAGAGTAAAGATGG
CaCas9/for	ATCTCATTAGATTTGGAACTTGTGGGTT
CaCas9/rev	TTCGAGCGTCCCAAAACCTTCT
pNAT F	TTTCCCAGTCACGACGTT
r1 check int/R	CACTAAAGGGAACAAAAGCTGG
HGC1 cloning F1	GGGCAAATCAAATTTTACACAAAAAG
HGC1 cloning R1	CGAATAAAGGATACTTTCCAGTAGTGTATT

HGC13'R1-pNAT5'/R	**CGACGTCGGGCCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAACGAATAAA GGATACTTTCCAGTAGTGTATT**
pNAT3'R-HGC1down R1	**TAATCTAATCGAAGGTAAAAAAAACAATCTTGAGTTGACCATAAAGTAATTGCCATTGAGACCGAAGTAACAATTCAGGAGTGGAATTG TGAGCGGATA**
sgRNA/F r1	**GGGATCCACTAGTTCTAGAGGTTTTAGAGCTAGAAATAGCAAGT TAAA**
SNR52/R r1	**CTCTAGAACTAGTGGATCCCCAAATTAAAAATAGTTTACGCAAGT C**
NAT1 CHR	**GTTCTGTATCTATAAGCAGTATCATCCAAAGTAGT**
CCN1OE F	**CGTTATTTTTTTTTTGTCGTCTTAATCATTAGTAGTAGTGAGAGACATTTTTTTTGGTGTTGTAAAAAAAAAATACGCGAATCAAGCTTGCCTCGTCCCC**
CCN1OE R	**TCAAGTATTGGATGGTATGGTCGACGTTTAATATGATGTGGAGGACCATATTTGACTCTTTGTTGTTGTAAAGATGTCATCGTTGGGAGCTCTCCCAATG**
CLN3OE F	**ACAATTATCTTTCACCCTAACATTCACTCATTTCATAGGTTTCCAAATATTCAATCCGATTCCAGTTTGATACGTGTGAAATCAAGCTTGCCTCGTCCCC**
CLN3OE R	**TGTAACTTGAAATTACTTGCTTTGATCAGGGATTGCATCATCCTAACTTGATGGAAAGCATCAGGTGAATTAGGAAACATCGTTGGGAGCTCTCCCAATG**
CLB2OE F	**GTCAAGACTAAAAAAAAAAACAACAAACCAAAAGAATCACTAAACAAAACATTTACTAAAAGGGAGAGAGAGAGAAAAGAATCAAGCTTGCCTCGTCCCC**
CLB2OE R	**CTTATCGACTCTTGATGCTGTACTTTTGATCTAGTAAGTCTAAACTCATTTTCATTATTAGTTTTAGTGACTTGTGGCATCGTTGGGAGCTCTCCCAATG**
CLB4OE F	**TAATACACTGATCAAACGACAGTACTAAACTTACGAAAGCTTTCAGTTTCTACCGTGCTTCACAGCTTGTTCCTTTAGACATCAAGCTTGCCTCGTCCCC**
CLB4OE R	**AAATTGGCAATACTTTTGGCTCTAAGTCTTTGTTTTGTCAACTCATTTTCATCCGTTATGGATGATTTATAAGATCGCATCGTTGGGAGCTCTCCCAATG**
PCL1OE F	**CAAAATCTATTTTAATAACCAAAGACACGCCAAATTACTTTCTTTCTCTCTGTCTCTCTGTCTCCTTTCTTTCTTTCTTTATCAAGCTTGCCTCGTCCCC**

PCL1OE R	**ACAATCTTATGGATCATATCATGAGTGATTGGACCATTAAGAA ATACTTTTAAAGCTTGTAAATCAATTGAAGAAACCATCGTTGG GAGCTCTCCCAATG**
PCL2OE F	**TTTTGAAGCAAAGCCAACAAAGTAAAACAATCGAAATTTGCTA TCGTCAACAAAGAAAACAAAAAAAAAGGCTTATTGTGATCAA GCTTGCCTCGTCCCC**
PCL2OE R	**GTGGTTGCAACTAGAAAGTTGACCATATCTTGTGATACTGGCT GTCTTGAGAATATTTTCAAAGCTTCTTTGTCTGACATCGTTGG GAGCTCTCCCAATG**
PCL5OE F	**ATAGTATTATTTGGTGGCAAATGTCCTACTCCACAAACTGGTT TGTGATCTGTCCCGGTCAATGATGCAATCTCGTGTGAATCAAG CTTGCCTCGTCCCC**
PCL5OE R	**GTTTCTGTGGTGGTTGATTCCTTTGAAAAGGATGGTACACTTG TTTCTTTATAGGAAATAGGAGAAGTTGGAGATTGCATCGTTGG GAGCTCTCCCAATG**
PCL7OE F	**TTCCAACAAAGTTTTTTTTTATTTTTTACTTTTTTTTACTATTTT TTGTTGTTGTTGATTGACTAATTGAATGTCTTCAAATCAAGCT TGCCTCGTCCCC**
PCL7OE R	**TGGTCTATGACCAGACCCCCTTCTCGATTGTTTGGGTCTATAG TGGTCGAGTTGGTGTCACCGTTATACTGTGATGTCATCGTTGG GAGCTCTCCCAATG**
CLG1OE F	**CCTATTCTCATCAAATATCTAAACTGAAATCACATTTCTTTCCT TCCTTCCTTCAAATTAACTTAATAAAGACTGTATATATCAAGC TTGCCTCGTCCCC**
CLG1OE R	**TGTTTAAGAATTCCGTGGCAAGCCCATCCAATAAAGGAGGGC ATGTCACTTATCTGGTACTCCTGATACTCCTTATCCATCGTTG GGAGCTCTCCCAATG**
CCN1 CHF	**ACAAACCTTCACTTCTTCTTCTCCTCC**
CCN1 CHR	**CACAAAGAAACCTAGCAACAGCAGTTA**
CCN1 FCHF	**GTTGTTGCTGTTGTTGTTGTTGTGC**
CLN3 CHF	**TTTCTTCCATCAACACTAATCTGGTGC**
CLN3 CHR	**GCATTGACGACCCATTCTAATGAT**
CLN3 FCHF	**TCATCACTACCAAAGAACCACCTGATC**
CLB2 CHF	**AATAGGTGAGAGCAACCACAAGAAGAG**
CLB2 CHR	**GATGTTACAGAGACTTGAGGTGGTGAT**
CLB2 FCHF	**CATCAATCACCACCACCACCAC**

CLB4 CHF	**TAAGCAACCAAACGCTTCAAAGAGAG**
CLB4 CHR	**GCTGTTTCTGTGATGATTGGTGTTTGT**
CLB4 FCHF	**TAACAGTTTGCTTTACCTACCACGAG**
PCL1 CHF	**TTCGAGTTCTCCAGAGTCTCC**
PCL1 CHR	**GAAATGGATACAGCAACGGCAG**
PCL1 FCHF	**AATTAAAGAGAAACGCGACACC**
PCL2 CHF	**GTGTGTTGGCGTTGTTGTTGTTG**
PCL2 CHR	**GCTGGTTTCTCTTCAGTGGTTTGAC**
PCL2 FCHF	**GTCGTGACTGTCGTTTGATTGTATAAGG**
PCL5 CHF	**GTGGCAGCAGCAACAAATTGTG**
PCL5 CHR	**GTTTCTGTGGTGGTTGATTCCTTTGA**
PCL5 FCHF	**TTTGCCAGGAAAGTAGGTGCTC**
PCL7 CHF	**TGATACAAGAGACATTGCCAACATACA**
PCL7 CHR	**GACGCTGGATAAGAGTGATGTGATG**
PCL7 FCHF	**TGAACTCTAGTCAACCCACCAC**
CLG1 CHF	**CCCTGTGGTACACGACCTATCC**
CLG1 CHR	**GTGGCAAGCCCATCCAATAAAGG**
CLG1 FCHF	**ATTAAACTCTATCCAGCCCACCATTG**
sgRNA/F CCN1P-1	**TTTCAAAATTTTTTTATATTGTTTTAGAGCTAGAAATAGCAAGTTAAA**
SNR52/R CCN1P-1	**AATATAAAAAAATTTTGAAACAAATTAAAAATAGTTTACGCAAGTC**
sgRNA/F CLN3P-1	**AAATTGAATATTTTAAAAGAGTTTTAGAGCTAGAAATAGCAAGTTAAA**
SNR52/R CLN3P-1	**TCTTTTAAAATATTCAATTTCAAATTAAAAATAGTTTACGCAAGTC**
sgRNA/F CLB2P-1	**CTCATCGAACAAGATCTTACGTTTTAGAGCTAGAAATAGCAAGTTAAA**

SNR52/R CLB2P-1	**GTAAGATCTTGTTCGATGAGCAAATTAAAAATAGTTTACGCAA GTC**
sgRNA/F CLB4P-1	**AAGAAAAAAAGTTCTATATAGTTTTAGAGCTAGAAATAGCAAG TTAAA**
SNR52/R CLB4P-1	**TATATAGAACTTTTTTTCTTCAAATTAAAAATAGTTTACGCAA GTC**
sgRNA/F PCL1P-1	**GAGAACTCGAAATCAAAAAAGTTTTAGAGCTAGAAATAGCAA GTTAAA**
SNR52/R PCL1P-1	**TTTTTTGATTTCGAGTTCTCCAAATTAAAAATAGTTTACGCAA GTC**
sgRNA/F PCL2P-1	**GTGATGTTTGTTGACATTGCGTTTTAGAGCTAGAAATAGCAAG TTAAA**
SNR52/R PCL2P-1	**GCAATGTCAACAAACATCACCCAAATTAAAAATAGTTTACGCA AGTC**
sgRNA/F PCL5P-1	**AGCAGTGACAACTTATCTGCGTTTTAGAGCTAGAAATAGCAA GTTAAA**
SNR52/R PCL5P-1	**GCAGATAAGTTGTCACTGCTCAAATTAAAAATAGTTTACGCAA GTC**
sgRNA/F PCL7P-1	**AAAAGAAAAGAAAGCACATTGTTTTAGAGCTAGAAATAGCAA GTTAAA**
SNR52/R PCL7P-1	**AATGTGCTTTCTTTTCTTTTCAAATTAAAAATAGTTTACGCAA GTC**
sgRNA/F CLG1P-1	**GCTGACTCAGTTTGTAAGACGTTTTAGAGCTAGAAATAGCAA GTTAAA**
SNR52/R CLG1P-1	**GTCTTACAAACTGAGTCAGCCAAATTAAAAATAGTTTACGCAA GTC**
NAT CRIME/F	**CAGACGCGTTGAATTGTCC**
NAT CRIME/R	**CACCATGACCTCTATGTTCTGG**
CCN1 del rNATrBamHI/F	**CAATTTCCATTTTTGCATATATTAATTACTATTACTCAGTCCAT TCGCTTTAAATCTATACATATATCCTAAATCTTATCGCTTTAAT GCGGTAGTTTATCACAG**
CCN1 del rNATrXmaI/R	**TTTCTGATTTATATTAACGTCAACGTCAATATAAATTAAACAG GACAAAATGTATAGCTAGAAATAACACCATCATAACTGTGTGG TCGCCATGATCG**
sgRNA/F CCN1-3	**TAGTTGGTTGTACAGCATTAGTTTTAGAGCTAGAAATAGCAAG TTAAA**

SNR52/R CCN1-3	**TAATGCTGTACAACCAACTACAAATTAAAAATAGTTTACGCAA GTC**

Supplementary Table S3: List of primers and their nucleotide sequence.