Fig. SI1 - 28S rRNA sequence alignment

```
                                  10        20        30        40        50
                          ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613           ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
barcode_SNB_614           ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
barcode_SNB_615           ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAaGTTGAAAAG
barcode_SNB_616           ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
barcode_SNB_617           ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
BC-MNHN0016               ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
BC-MNHN0018               ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
BC-Roug0001               ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
barcode_SNB_1687          ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
BC-TB0167                 ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG
BC-TB0166                 ATTACCGCGAGACCGATAGCGAACAAGTACCGTGANGGAAAGTTGAAAAG
barcode_SNB_1688          ATTACCGCGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGTTGAAAAG

                                  60        70        80        90       100
                          ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613           AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
barcode_SNB_614           AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
barcode_SNB_615           AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
barcode_SNB_616           AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
barcode_SNB_617           AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
BC-MNHN0016               AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
BC-MNHN0018               AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
BC-Roug0001               AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
barcode_SNB_1687          AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
BC-TB0167                 AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
BC-TB0166                 AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC
barcode_SNB_1688          AACTTTGAAGAGAGAGTTCAAGAGTACGTGAAACCGTTCAGGGGTAAACC

                                 110       120       130       140       150
                          ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613           TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
barcode_SNB_614           TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
barcode_SNB_615           TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
barcode_SNB_616           TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
barcode_SNB_617           TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
BC-MNHN0016               TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
BC-MNHN0018               TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
BC-Roug0001               TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
barcode_SNB_1687          TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGT
BC-TB0167                 TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGA
BC-TB0166                 TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGA
barcode_SNB_1688          TGCGAAACTCGAATGAGCGAACGGAGAGATTCATCGTCAATCGCCGGCGA

                                 160       170       180       190       200
                          ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613           ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTATCGGCGGTCACGCG
barcode_SNB_614           ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTATCGGCGGTCACGCG
barcode_SNB_615           ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTATCGGCGGTCACGCG
barcode_SNB_616           ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTATCGGCGGTCACGCG
barcode_SNB_617           ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTATCGGCGGTCACGCG
BC-MNHN0016               ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTCTCGGCGGTCACGCG
BC-MNHN0018               ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTCTCGGCGGTCACGCG
BC-Roug0001               ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTCTCGGCGGTCACGCG
barcode_SNB_1687          ACGGGCGCGATACAAGCGATGACCGCTGGGCTAGTCTCGGCGGTCACGCG
BC-TB0167                 ACGGGCGCGGTACAAGCGATGACCGCTGGGCTGGTCTCGGCGGTCACGCG
BC-TB0166                 ACGGGCGCGGTACAAGCGATGACCGCTGGGCTGGTCTCGGCGGTCACGCG
barcode_SNB_1688          ACGGGCGCGGTACAAGCGATGACCGCTGGGCTGGTCTCGGCGGTCACGCG

                                 210       220       230       240       250
                          ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613           TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
barcode_SNB_614           TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
barcode_SNB_615           TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
barcode_SNB_616           TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
barcode_SNB_617           TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
BC-MNHN0016               TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
BC-MNHN0018               TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
BC-Roug0001               TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
barcode_SNB_1687          TCGCGCCCGTCGACGTCCGTCGACTGCGTGCACTTCTCTCTTAGTATAGC
BC-TB0167                 TCGCGCCCGTCGACGTCCGGCGACTGCGTGTACTTCTCTCTTAGTATAGC
BC-TB0166                 TCGCGCCCGTCGACGTCCGGCGACTGCGTGTACTTCTCTCTTAGTATAGC
barcode_SNB_1688          TCGCGCCCGTCGACGTCCGGCGACTGCGTGTACTTCTCTCTTAGTATAGC

                                 260       270       280       290       300
                          ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613           ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGCGCGGGAGCCCGGT---
barcode_SNB_614           ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGCGCGGGAGCCCGGT---
barcode_SNB_615           ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGCGCGGGAGCCCGGT---
barcode_SNB_616           ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGCGCGGGAGCCCGGT---
barcode_SNB_617           ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGCGCGGGAGCCCGGT---
BC-MNHN0016               ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGTGCGGGATCCCGATACC
BC-MNHN0018               ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGTGCGGGATCCCGATACC
BC-Roug0001               ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGTGCGGGATCCCGATACC
```

Fig. SI1 - 28S rRNA sequence alignment

```
BC-Roug0001        ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGTGCGGGATCCCGATACC
barcode_SNB_1687   ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGTGCGGGATCCCGATACC
BC-TB0167          ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGTGCGGGATCCCGGTACC
BC-TB0166          ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGTGCGGGATCCCGGTACC
barcode_SNB_1688   ATCGCGACCCGTTCGTTGTCGATCTAAGCGCCGTGCGGGATCCCGGTACC

                             310       320       330       340       350
                   ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613    --CGA----------------GTCTCCGTCAAAAAGGGACCCGTCTCGG
barcode_SNB_614    --CGA----------------GTCTCCGTCAAAAAGGGACCCGTCTCGG
barcode_SNB_615    --CGA----------------GTCTCCGTCAAAAAGGGACCCGTCTCGG
barcode_SNB_616    --CGA----------------GTCTCCGTCAAAAAGGGACCCGTCTCGG
barcode_SNB_617    --CGA----------------GTCTCCGTCAAAAAGGGACCCGTCTCGG
BC-MNHN0016        CACGCGGGAGATCGGTTGCCATGTCTTGATAAATAAA-GACGTGTGCAGG
BC-MNHN0018        CACGCGGGAGATCGGTTGCCATGTCTTGATAAATAAA-GACGTGTGCAGG
BC-Roug0001        CACGCGGGAGATCGGTTGCCATGTCTTGATAAATAAA-GACGTGTGCAGG
barcode_SNB_1687   CACGCGGGAGATCGGNTGCCATGTCtTGATAAATAAA-GACGTGTGCAGG
BC-TB0167          CACGCGGGGGATCGGTTGCCATGTCTTGATAAATAAA-GACGTGTGCAGG
BC-TB0166          CACGCGGGGGATCGGTTGCCATGTCTTGATAAATAAA-GACGTGTGCAGG
barcode_SNB_1688   CACGCGGGGGATCGGTTGCCATGTCTTGATAAATAAA-GACGTGTGCAGG

                             360       370       380       390       400
                   ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613    ACCGCCGCGGACGCCGACCGACATCACGCGGACGGTATGCAACGGCGCGC
barcode_SNB_614    ACCGCCGCGGACGCCGACCGACATCACGCGGACGGTATGCAACGGCGCGC
barcode_SNB_615    ACCGCCGCGGACGCCGACCGACATCACGCGGACGGTATGCAACGGCGCGC
barcode_SNB_616    ACCGCCGCGGACGCCGACCGACATCACGCGGACGGTATGCAACGGCGCGC
barcode_SNB_617    ACCGCCGCGGACGCCGACCGACATCACGCGGACGGTATGCAACGGCGCGC
BC-MNHN0016        ACCGCTGCGAACGCCAATTGA--TAACGCGGACGGTATGTAACGACGCAC
BC-MNHN0018        ACCGCTGCGAACGCCAATTGA--TAACGCGGACGGTATGTAACGACGCAC
BC-Roug0001        ACCGCTGCGAACGCCAATTGA--TAACGCGGACGGTATGTAACGACGCAC
barcode_SNB_1687   ACCGCTGCGAACGCCAATTGA--TAACGCGGACGGTATGTAACGAAGCAC
BC-TB0167          ACCGCTGCGAACGCCAATTGA--CAACGCGGACGGTATGTAACGACGCAC
BC-TB0166          ACCGCTGCGAACGCCAATTGA--CAACGCGGACGGTATGTAACGACGCAC
barcode_SNB_1688   ACCGCTGCGAACGCCAATTGA--CAACGCGGACGGTATGTAACGACGCAC

                             410       420       430       440       450
                   ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613    ACGCGTTTCAAACGCGTCCGGCCCGACGCAAGGCGTCGTCGTACTATCCC
barcode_SNB_614    ACGCGTTTCAAACGCGTCCGGCCCGACGCAAGGCGTCGTCGTACTATCCC
barcode_SNB_615    ACGCGTTTCAAACGCGTCCGGCCCGACGCAAGGCGTCGTCGTACTATCCC
barcode_SNB_616    ACGCGTTTCAAACGCGTCCGGCCCGACGCAAGGCGTCGTCGTACTATCCC
barcode_SNB_617    ACGCGTTTCAAACGCGTCCGGCCCGACGCAAGGCGTCGTCGTACTATCCC
BC-MNHN0016        ACGCGTTTCTAACGCGTCCGGCCCGACGCAGGGCAGCGTCGTATTCT---
BC-MNHN0018        ACGCGTTTCTAACGCGTCCGGCCCGACGCAGGGCAGCGTCGTATTCT---
BC-Roug0001        ACGCGTTTCTAACGCGTCCGGCCCGACGCAGGGCAGCGTCGTATTCT---
barcode_SNB_1687   ACGCGTTTCTAACGCGTCCGGCCCGACGCAGGGCAGCGTCGTATTCT---
BC-TB0167          ACGCGTTTCTAACGCGTCCGGCACGACGCAAGGCAGCGTCGTATTCT---
BC-TB0166          ACGCGTTTCTAACGCGTCCGGCACGACGCAAGGCAGCGTCGTATTCT---
barcode_SNB_1688   ACGCGTTTCTAACGCGTCCGGCACGACGCAAGGCAGCGTCGTATTCT---

                             460       470       480       490       500
                   ....|....|....|....|....|....|....|....|....|....|
barcode_SNB_613    CGGTCCTGCCCGTGAGCGGACCGGGGTGCGGCGCGCCTGCATGTCGCAGC
barcode_SNB_614    CGGTCCTGCCCGTGAGCGGACCGGGGTGCGGCGCGCCTGCATGTCGCAGC
barcode_SNB_615    CGGTCCTGCCCGTGAGCGGACCGGGGTGCGGCGCGCCTGCATGTCGCAGC
barcode_SNB_616    CGGTCCTGCCCGTGAGCGGACCGGGGTGCGGCGCGCCTGCATGTCGCAGC
barcode_SNB_617    CGGTCCTGCCCGTGAGCGGACCGGGGTGCGGCGCGCCTGCATGTCGCAGC
BC-MNHN0016        AGGTACCGGCTGAGTGCGGACCGGGGTACGGCGCGCCTG--TTTCGCAGC
BC-MNHN0018        AGGTACCGGCTGAGTGCGGACCGGGGTACGGCGCGCCTG--TTTCGCAGC
BC-Roug0001        AGGTACCGGCTGAGTGCGGACCGGGGTACGGCGCGCCTG--TTTCGCAGC
barcode_SNB_1687   AGGTACCGGCTGAGTGCGGACCGGGGTACGGCGCGCCTG--TTTCGCAGC
BC-TB0167          AGGTACCGGATGAGTGCGGACCAGGGTACGCCGCGCCTG--TTTCGCAGC
BC-TB0166          AGGTACCGGATGAGTGCGGACCAGGGTACGCCGCGCCTG--TTTCGCAGC
barcode_SNB_1688   AGGTACCGGATGAGTGCGGACCAGGGTACGCCGCGCCTG--TTTCGCAGC

                             510       520       530
                   ....|....|....|....|....|....|...
barcode_SNB_613    CGTGCAGTCTCGGACATGTGCGCGTTCATATAC
barcode_SNB_614    CGTGCAGTCTCGGACATGTGCGCGTTCATATAC
barcode_SNB_615    CGTGCAGTCTCGGACATGTGCGCGTTCATATAC
barcode_SNB_616    CGTGCAGTCTCGGACATGTGCGCGTTCATATAC
barcode_SNB_617    CGTGCAGTCTCGGACATGTGCGCGTTCATATAC
BC-MNHN0016        CGTACAGTCTCGGACATGTGTGCGTTTATGTAT
BC-MNHN0018        CGTACAGTCTCGGACATGTGTGCGTTTATGTAT
BC-Roug0001        CGTACAGTCTCGGACATGTGTGCGTTTATGTAT
barcode_SNB_1687   CGTACAGTCTCGGACATGTGTGCGTTTATGTAT
BC-TB0167          CGTACAGTCTCGGACATGTGTGCGTTTATGTAT
BC-TB0166          CGTACAGTCTCGGACATGTGTGCGTTTATGTAT
barcode_SNB_1688   CGTACAGTCTCGGACATGTGTGCGTTTATGTAT
```