

Supplementary Dataset 5: Identification of GIV in human enteric virome.

The data for this analysis was obtained from NCBI (SRA ID: PRJEB9524) and the name of the project is “Expanded Enteric Virome and Altered Bacterial Microbiome in Acquired Immunodeficiency Syndrome”. We report the BlastN reads that show a significant alignment with GIV sequences. No significant hits were identified for LCDV-1, LCDV-Sa and SGIV in this dataset. Human herpes virus and human parechovirus were used as controls. The full length reads that gave a significant hit for GIV are reported at the end of the document.

1- LCDV-1

Query= NC_001824.1 Lymphocystis disease virus 1, complete genome

Length=102653

***** No hits found *****

Lambda	K	H
1.33	0.621	1.12

Gapped

Lambda	K	H
1.28	0.460	0.850

Effective search space used: 3555459874123716

2- LCDV-Sa

Query= NC_033423.1 Lymphocystis disease virus Sa isolate SA9, complete genome

Length=208501

***** No hits found *****

Lambda	K	H
1.33	0.621	1.12

Gapped

Lambda	K	H
1.28	0.460	0.850

Effective search space used: 7222974216769428

3- SGIV

Query= NC_006549.1 Singapore grouper iridovirus, complete genome

Length=140131

***** No hits found *****

Lambda	K	H
1.33	0.621	1.12

Gapped

Lambda	K	H
1.28	0.460	0.850

Effective search space used: 4854030489852648

4- GIV

Query= AY666015.1 Grouper iridovirus, complete genome

Length=139793

Sequences producing significant alignments:		Score (Bits)	E Value
ERR906905.742751	M02084:90:000000000-A7T3A:1:2110:20426:18954 le...	58.4	0.013
ERR906885.2244768	M02084:91:000000000-A7W9J:1:2114:17207:13415 l...	54.7	0.17
ERR906885.2203683	M02084:91:000000000-A7W9J:1:2113:24533:24731 l...	54.7	0.17
ERR906885.1850226	M02084:91:000000000-A7W9J:1:2109:25426:14398 l...	54.7	0.17
ERR906885.1828124	M02084:91:000000000-A7W9J:1:2109:13171:8089 le...	54.7	0.17
ERR906885.1819688	M02084:91:000000000-A7W9J:1:2109:18814:5163 le...	54.7	0.17
ERR906885.1682157	M02084:91:000000000-A7W9J:1:2107:23505:11935 l...	54.7	0.17
ERR906885.1649071	M02084:91:000000000-A7W9J:1:2106:16306:25589 l...	54.7	0.17
ERR906885.1470376	M02084:91:000000000-A7W9J:1:2104:23038:17943 l...	54.7	0.17
ERR906885.1205856	M02084:91:000000000-A7W9J:1:2101:10413:8955 le...	54.7	0.17
ERR906885.953376	M02084:91:000000000-A7W9J:1:1112:15459:10728 le...	54.7	0.17
ERR906885.826463	M02084:91:000000000-A7W9J:1:1110:20305:22825 le...	54.7	0.17
ERR906885.727798	M02084:91:000000000-A7W9J:1:1109:16955:19655 le...	54.7	0.17
ERR906885.636438	M02084:91:000000000-A7W9J:1:1108:25604:18310 le...	54.7	0.17
ERR906885.530816	M02084:91:000000000-A7W9J:1:1107:25356:13148 le...	54.7	0.17
ERR906885.440867	M02084:91:000000000-A7W9J:1:1106:11143:11898 le...	54.7	0.17
ERR906885.428722	M02084:91:000000000-A7W9J:1:1106:12479:8491 len...	54.7	0.17
ERR906885.392433	M02084:91:000000000-A7W9J:1:1105:6027:21122 len...	54.7	0.17
ERR906885.343180	M02084:91:000000000-A7W9J:1:1105:10075:7527 len...	54.7	0.17
ERR906885.238296	M02084:91:000000000-A7W9J:1:1103:7132:24731 len...	54.7	0.17
ERR906885.234443	M02084:91:000000000-A7W9J:1:1103:25222:23417 le...	54.7	0.17
ERR906885.182286	M02084:91:000000000-A7W9J:1:1103:13366:8684 len...	54.7	0.17
ERR906885.79644	M02084:91:000000000-A7W9J:1:1101:16781:27216 len...	54.7	0.17
ERR906885.2018374	M02084:91:000000000-A7W9J:1:2111:20336:17036 l...	52.8	0.61

>ERR906905.742751 M02084:90:000000000-A7T3A:1:2110:20426:18954 length=500
Length=500

Score = 58.4 bits (31), Expect = 0.013

Identities = 31/31 (100%), Gaps = 0/31 (0%)
Strand=Plus/Plus

Query 1320 CTCCTGGGGCTCCTGGGGCTCCTGGGGCTCT 1350
|||||
Sbjct 196 CTCCTGGGGCTCCTGGGGCTCCTGGGGCTCT 226

Score = 52.8 bits (28), Expect = 0.61
Identities = 28/28 (100%), Gaps = 0/28 (0%)
Strand=Plus/Minus

Query 1323 CTGGGGCTCCTGGGGCTCCTGGGGCTCT 1350
|||||
Sbjct 353 CTGGGGCTCCTGGGGCTCCTGGGGCTCT 326

>ERR906885.2244768 M02084:91:000000000-A7W9J:1:2114:17207:13415 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAATAATGT 70895
|||||
Sbjct 166 ATAACGTATATTATAAAATGTAATAATGT 138

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAATAATGT 70895
|||||
Sbjct 415 ATAACGTATATTATAAAATGTAATAATGT 443

>ERR906885.2203683 M02084:91:000000000-A7W9J:1:2113:24533:24731 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAATAATGT 70895
|||||
Sbjct 41 ATAACGTATATTATAAAATGTAATAATGT 69

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAATAATGT 70895
|||||
Sbjct 468 ATAACGTATATTATAAAATGTAATAATGT 440

>ERR906885.1850226 M02084:91:000000000-A7W9J:1:2109:25426:14398 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 284 ATAACGTATATTATAAAATGTAAAAAATGT 312

>ERR906885.1828124 M02084:91:000000000-A7W9J:1:2109:13171:8089 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 175 ATAACGTATATTATAAAATGTAAAAAATGT 147

>ERR906885.1819688 M02084:91:000000000-A7W9J:1:2109:18814:5163 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 205 ATAACGTATATTATAAAATGTAAAAAATGT 177

>ERR906885.1682157 M02084:91:000000000-A7W9J:1:2107:23505:11935 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 169 ATAACGTATATTATAAAATGTAAAAAATGT 197

>ERR906885.1649071 M02084:91:000000000-A7W9J:1:2106:16306:25589 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 170 ATAACGTATATTATAAAATGTAAAAAATGT 142

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 438 ATAACGTATATTATAAAATGTAAAAAATGT 466

>ERR906885.1470376 M02084:91:000000000-A7W9J:1:2104:23038:17943 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 210 ATAACGTATATTATAAAATGTAAAAAATGT 182

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 444 ATAACGTATATTATAAAATGTAAAAAATGT 472

>ERR906885.1205856 M02084:91:000000000-A7W9J:1:2101:10413:8955 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 404 ATAACGTATATTATAAAATGTAAAAAATGT 432

>ERR906885.953376 M02084:91:000000000-A7W9J:1:1112:15459:10728 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 109 ATAACGTATATTATAAAATGTAAAAAATGT 81

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|
Sbjct 294 ATAACGTATATTATAAAATGTAAAAAATGT 322

>ERR906885.826463 M02084:91:000000000-A7W9J:1:1110:20305:22825 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|
Sbjct 279 ATAACGTATATTATAAAATGTAAAAAATGT 307

>ERR906885.727798 M02084:91:000000000-A7W9J:1:1109:16955:19655 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|
Sbjct 253 ATAACGTATATTATAAAATGTAAAAAATGT 281

>ERR906885.636438 M02084:91:000000000-A7W9J:1:1108:25604:18310 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|
Sbjct 26 ATAACGTATATTATAAAATGTAAAAAATGT 54

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|
Sbjct 441 ATAACGTATATTATAAAATGTAAAAAATGT 413

>ERR906885.530816 M02084:91:000000000-A7W9J:1:1107:25356:13148 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|

Sbjct 122 ATAACGTATATTATAAAATGTAAAAAATGT 94

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 397 ATAACGTATATTATAAAATGTAAAAAATGT 425

>ERR906885.440867 M02084:91:000000000-A7W9J:1:1106:11143:11898 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 83 ATAACGTATATTATAAAATGTAAAAAATGT 55

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 394 ATAACGTATATTATAAAATGTAAAAAATGT 422

>ERR906885.428722 M02084:91:000000000-A7W9J:1:1106:12479:8491 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 417 ATAACGTATATTATAAAATGTAAAAAATGT 389

>ERR906885.392433 M02084:91:000000000-A7W9J:1:1105:6027:21122 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 4 ATAACGTATATTATAAAATGTAAAAAATGT 32

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)

Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 482 ATAACGTATATTATAAAATGTAAAAAATGT 454

>ERR906885.343180 M02084:91:000000000-A7W9J:1:1105:10075:7527 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 9 ATAACGTATATTATAAAATGTAAAAAATGT 37

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 392 ATAACGTATATTATAAAATGTAAAAAATGT 364

>ERR906885.238296 M02084:91:000000000-A7W9J:1:1103:7132:24731 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 218 ATAACGTATATTATAAAATGTAAAAAATGT 190

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 338 ATAACGTATATTATAAAATGTAAAAAATGT 366

>ERR906885.234443 M02084:91:000000000-A7W9J:1:1103:25222:23417 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
|||||
Sbjct 86 ATAACGTATATTATAAAATGTAAAAAATGT 114

>ERR906885.182286 M02084:91:000000000-A7W9J:1:1103:13366:8684 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Plus

```
Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
          |||
Sbjct 156 ATAACGTATATTATAAAATGTAAAAAATGT 184
```

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

```
Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
          |||
Sbjct 420 ATAACGTATATTATAAAATGTAAAAAATGT 392
```

>ERR906885.79644 M02084:91:000000000-A7W9J:1:1101:16781:27216 length=500
Length=500

Score = 54.7 bits (29), Expect = 0.17
Identities = 29/29 (100%), Gaps = 0/29 (0%)
Strand=Plus/Minus

```
Query 70867 ATAACGTATATTATAAAATGTAAAAAATGT 70895
          |||
Sbjct 218 ATAACGTATATTATAAAATGTAAAAAATGT 190
```

>ERR906885.2018374 M02084:91:000000000-A7W9J:1:2111:20336:17036 length=500
Length=500

Score = 52.8 bits (28), Expect = 0.61
Identities = 28/28 (100%), Gaps = 0/28 (0%)
Strand=Plus/Minus

```
Query 70867 ATAACGTATATTATAAAATGTAAAAAATG 70894
          |||
Sbjct 278 ATAACGTATATTATAAAATGTAAAAAATG 251
```

Lambda	K	H
1.33	0.621	1.12

Gapped		
Lambda	K	H
1.28	0.460	0.850

Effective search space used: 4842319169394876

5- Human herpesvirus 7

Query= NC_001716.2 Human herpesvirus 7, complete genome

Length=153080

***** No hits found *****

Lambda	K	H
1.33	0.621	1.12

Gapped

Lambda	K	H
1.28	0.460	0.850

Effective search space used: 5302698799342854

6- Human parechovirus 1 isolate CAU10-NN

Query= JX575746.1 Human parechovirus 1 isolate CAU10-NN, complete genome

Length=7348

***** No hits found *****

Lambda	K	H
1.33	0.621	1.12

Gapped

Lambda	K	H
1.28	0.460	0.850

Effective search space used: 255585825938430

Database: /n/data1/joslin/cores/bbcore/emrah_virome/PRJEB9524/fasta/gut_microb
iome_reads.fasta

Posted date: Sep 29, 2017 3:42 PM

Number of letters in database: 37,580,127,000

Number of sequences in database: 75,160,254

Matrix: blastn matrix 1 -2

Gap Penalties: Existence: 0, Extension: 2.5

BLASTN 2.6.0+

Reference: Zheng Zhang, Scott Schwartz, Lukas Wagner, and Webb
Miller (2000), "A greedy algorithm for aligning DNA sequences", J
Comput Biol 2000; 7(1-2):203-14.

Database: /n/data1/joslin/cores/bbcore/emrah_virome/PRJEB9524/fasta/gut_microb
iome_reads.fasta
75,160,254 sequences; 37,580,127,000 total letters

The full length reads that gave a significant hit for GIV are reported below:

>ERR906905.742751 M02084:90:000000000-A7T3A:1:2110:20426:18954 length=500
GGATACTGCGCCCGTGTGCTGAGTTACTGAGATGAGCCAGCCCTGCAGCTGTGCTCAGCCTGCCCCATCCCCTGCTGATT
TGCCTGTTCTTAGAGCACAGCCCCCTGCCCTGAAGACTTCTTATAGGCTGGCCACACCCGGTGCAGGAGTCAGCCCCAGT
CAGGACACAGCACGGACGTGAGGGCCCCACTCAGCTCCTGGGGCTCCTGGGGCTCCTGGGGCTCTGGCTGCCAGGTAAG
GAAGGAACTCCCTGAAGCTCCAGACAGTACTGAGCACACTGACCGAGTATAATCCTAGTGTCTCCTTCCCTTACCTGG
CAGCCAGAGCCCCAGGAGCCCCAGGAGCCCCAGCAGCTGAGCGGGGGCCCTCACGTCCGTGCTGTGTCTGACTGGGGCT
GACTCCTGACCCGGGCGTGGCCAGCCTATAAGAAGTCTTCAGGGCAGGGTGCTGTGCTCCAGGAACAGGC AAAATCAGCAG
GGGATGGGGCACGCTGACCC

>ERR906885.2244768 M02084:91:000000000-A7W9J:1:2114:17207:13415 length=500
GAGTTGTTATTAGATTTTTCTATAAGTTTCACAATCGTAGTCATTATTGTCTTAACTGTGAGTTTTATCATCAGGTTGCGT
ACAAAACCTCAGCTTGTTTTTTTTTTAAATCTGCCTGAATAGTCAGCATCTTGTCTGTACATTTTTTACATTTATAATATA
CGTTATCGTTCTTGTACCCTTACGATTTTTTACATGACCACATGCGTAGTAACCTGTGCGCAAATCCCATTTCCAATAACT
GTTGCCAATAGTATGGAATGAAAATAAATTTTTAAAGCAAAAAAAGGAGGCTTCTATGAAAAAGAAGATTATTATG
GGACTGTTTGTATTGGCAACAGTTATTGGAATGGGATTTGCGACAAGTTACTACGCATGTGGTCATGTAAAAAATCGTAA
CGTAAACAAGAACGATAACGTATATTATAAATGTAAAAAATGTACAGAACAAGATGCTGACTATTCAGGCAGATTTAAAA
AAAAACAAGCTGAGGTTTTGT

>ERR906885.2203683 M02084:91:000000000-A7W9J:1:2113:24533:24731 length=500
GCATGTGGTCATGTAAAAAATCGTAACGGTAACAAGAACGATAACGTATATTATAAATGTAAAAAATGTACAGAACAAGA
TGCTGACTATTCAGGCAGATTTAAAAAACAAGCTGAGGTTTGTACGCAACCTGATGATAAACTCACAGTTAAGGACA
ATAATGACTACGATTTGTGAACTTATAGAAAACTAATAACAACCTCTAATAAATATAAATATTTATGGTAAAGTTTTGAAA
TATAACATTTAAGCTAAGAAAATGTTATATTTCAAACTTTACCATAATATTTTAATTAGTTAGAGTTGTTATTAGATTTT
CTATAAGTTTCACAATCGTAGTCATTATTGTCTTAACTGTGAGTTTTATCATCAGGTTGCGTACAAAACCTCAGCTTGT
TTTTTAAATCTGCCTGAATAGTCAGCATCTTGTCTGTACATTTTTTACATTTATAATATACGTTATCGTTCTTGTGTAC
CGTTACGATTTTTTACATGA

>ERR906885.1850226 M02084:91:000000000-A7W9J:1:2109:25426:14398 length=500
CACCATTACCGCCAGTCATATAGACTTTACCAGAATATTTAGGAAAAGATTCTTCAAATTTCTTTAATTTGCATTATATACA
ACAGAATTCGCTTTTTTGGAGAAAATATTGGAAAATACCGAAAATAAAAAATAAATGTGAAAATATTAGTAATTTTTTTCATATA
TGTAACAACAAAAAGGTAAGCTAAGAAAATGTTATATTTCAAACTTTACCATAATATTTTAATTAGTTAGAGTTGTTATT
AGATTTTCTAGTCATGTAAAAAATCGTAACGGTAACAAGAACGATAACGTATATTATAAATGTAAAAAATGTACAGAACA
AGATGCTGACTATTCAGGCAGATTTAAAAAACAAGCTGAGGTTTGTACGCAACCTGATGATAAACTCACAGTTAAGG
ACAATAATGACTACGATTTGTGAACTTATAGAAAATCTAATAACAACCTCTAATAAATATAAATATTTATGGTAAAGTTTTG
AAATATAACATTTCTTAGCT

>ERR906885.1828124 M02084:91:000000000-A7W9J:1:2109:13171:8089 length=500
AATTAGTTAGAGTTGTTATTAGATTTTCTATAAGTTTCACAATCGTAGTCATTATTGTCTTAACTGTGAGTTTATCATC
AGGTTGCGTACAAAACCTCAGCTTGTTTTTTTTTTAAATCTGCCTGAATAGTCAGCATCTTGTCTGTACATTTTTTACATT
TATAATATACGTTATCGTTCTTGTACCCTTACGATTTTTTACATGACCACATGCGTAGTAACTTGTGCGCAAATCCCATT
CCAATAACTGGATGCGATGGAACCTGGACGAATAGATTGCCGTTCTTGCAACGGAATGGGATATTTTGGCGGGTAATTCAC
TTCCGTATGGAATGAAAATAAATTTTTAAAGCAAAAAAAGGAGGCTTCTATGAAAAAGAAGATTATTATGGGACTG
TTTGTATTGGCAACAGTTATTGGAATGGGATTTGCGACAAGTTACTACGCATGTGGTCATGTAAAAAATCGTAACGGTAA
CAAGAACGATAACGTATATT

>ERR906885.1819688 M02084:91:000000000-A7W9J:1:2109:18814:5163 length=500
TTATATTTCAAACCTTACCATAATATTTAATTAGTTAGAGTTGTTATTAGATTTTCTATAAGTTTCACAATCGTAGTC
ATTATTGTCTTAACTGTGAGTTTATCATCAGGTTGCGTACAAACCTCAGCTTGTTTTTTTTTTAAATCTGCCTGAATAGT
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