

10-Jan-2024

```
$ agrep -V
```

```
$ cat /etc/os-release
```

NAME="CentOS Linux"

```
VERSION="7 (Core) "
```

```
ID="centos"
```

```
ID LIKE="rhel fedora"
```

...

Here is the prototypical record: (sequence preceding deletions highlighted in blue)

[illegible]

TGTTGTACTTCGTTTCGAGATTACGTATTGCTACTTGCCGTGTGCTCTATCTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCGTTTTTTTTTTTTTTCGCGTGTATGAAAGTAACATA  
ATAAGATGTAAGACATGAATGCACATAAAGTATTTATTATAGTAACATAAACATATGGATTAGTCACTGCACGGGAATGATGTTAGCAATGCTCTCTGGTTTGTAAATCTTAAAA  
ATCAACCATAACGACGCTACCACTCACTTCTGTGATGACATAATCTTTGACCACCGCAATTTGACCACCCAATTCGATGACCACCACCATGACCCACCTCGATTACCA  
ACATCACTCTGTGTTTGACCACCTCACTCTACGATCCCCATTTGGCTACCACCTTGATGATTATAAATGGATGGGCTTTTTCTTGGGTGTTTGATGGTTATTTTGTGGGT  
TTTTTCATTATGTGACCATTATATCTTTGTTTTTATAAATTTGGCTTTATTTTTTGGTCTTTTCTTTCCAGGACAACCTGCGGTGAGGCTGTTCCACTGGCTGGTTAGTGG  
CTCTGGGGGTTCTGATAGCTGTTTAGATCGGTTCTGTGGGGTCTGATGGCTGTTTGATGTTTTCTCGCATGTTTCTGATGGCTGGTTAGATGGTTCTGTGGGTTCTGATGGT  
TGGTTAGATGGTTCTGTGGGTTCTGATGGCTGGTTGGATGGTTCTCTGTTCTGATGGCTGGTGTGACACAGGTTTCCAGGCTGATTTCTCGTGCAGAGGATCAGCC  
TGAATCTCAAGGAAGCGCTGACTCGCTATGCAACTTTTCGGCCATCAAGCAGGACAAGCCTTAACCATCGAAACCCAGGAACAATAACCATCAAGCGAGGAAACCATCCAAC  
CATCAGGAAAGAACTTTCAAATCTATAAAACCAAGCCAAATAAAAAAACAATAATGGTCACATGAAATGTAAGAGCCACAAAACATCAAACACTTACCCAGGAAAAA  
GCCCATCAAAGTTGAGCCATAAAATCAGAGGATCGTAGAGGAAGTTGATCAGCTACAGAGAGTGATATTGATAATTGATTTCTATAAATTGATTATTTGATCAACAATTTAT  
CACCGATTTTAAATTTAAAGATTTCAAATAAAAATACGCTGTTATTTCCATTTTGTGCGTGTGTTTAAACCAATATTTAATTTATTTTACTAAAATAATCTTATATTAC  
ATTCGCAATTTCTTTTGCTACATTAGCTATACAAAAAATAAGAGATGGGGGCGCATAGGCCAGAGTAGCAATATGAAAAA

[illegible]

```
$ rcstr="TTAGATGGTTCCTGGGGTTCTGATGGC"
```

```
$ agrep -2 -d "^@" $rcstr agrep test 30.txt >agrep test 30.out
```

[illegible]

ATTGTA<sup>1</sup>CTTCGTT<sup>2</sup>CGTTT<sup>3</sup>CGGTATT<sup>4</sup>GCTAC<sup>5</sup>TTGCCTGT<sup>6</sup>CGCTCTAT<sup>7</sup>CTTCTTTT<sup>8</sup>TTGACATATTAAGACACGTCAT  
 TAAAAAATGAGGATAAACAATCATGTAGAAAGTAACATAAATAGATGTAAAGACATGAATGCACACAAAGATATTATTAGTAGTAACAATAACATATTGGTTGTATCCATCCACCGGAA  
 TGATCAACCAATACATCTTCTCGTTT<sup>9</sup>TGTAATCT<sup>10</sup>TAAATCAACCAATCAACGACGCTACCATCCCTAGCAGCTGTGTAGTACTAATTGACCACCAACCAATTGACCACCGA  
 CAGTTTGGATGACCACCACTCATTT<sup>11</sup>TGACACCTCGATT<sup>12</sup>ACCAAGCATCCCTCTGTGT<sup>13</sup>TGACCACCTCTCTAGATCCCCCAATTTCTACGACTTACCACCTTGTGTATGATT  
 TGATCGGATGGGCTTTTTCTTGGTGTTT<sup>14</sup>GATGGTTATTTT<sup>15</sup>TGACCATTTCACTGTGACCATTTATATCTTTGGTTTTTTTATATTTTGGCTTTTATTTTGGT  
 CTTTTCTTTCCAGGACAACTCGCGGTACGGCTGTTCACCTGGCTGGTTAGATGGCTCTCGGGGTTCTGATGGCTGGTTAGATGGTTCTCGGGGTTCTGATGGCTGGTTGGAATG

[illegible]

I made test files from two other records, also with 30 copies. They both are records that suffered a deletion in real data.

This file `agrep testb 30.txt` didn't give any deletions.

[illegible]

[illegible]

[illegible]