

How to get a gene bank sequence into FASTA format

```
>Seq1_Name_of_sequence  
actgggtatttcctatatccatgtgagagagatatcacatata
```

Original sequence:

```
1 aagagagggg cttcgcgctc caggggactc cgggtccccgc ctctacacc tttgattacg  
61 ttaccctttg ttgctttggc gggggcactc ccgccagca gccaccgaa actcgtttta  
121 tccatgttcg tctgagtcta attcataatg aatcaaaact ttcaacaacg gatctcttgg  
181 ttctggcatc gatgaagaac gcagcgaaat gcgataagta atgtgaattg cagaattcag  
241 tgaatcatcg aatctttgaa cgcacattgc gccctcgggt attccggggg gcattgcctgt  
301 tcgagcgta ttgcaccact caagcgtagc ttggatttgg gtctttcgcc cgggatttcc  
361 cccgtggcgt gcccgaaaag cattggcggt ccggtgtgac tttaagcgta gtaaattttc  
421 tcccgccttg aaagcctcgc gccgtggcgc gccagacaac cccacatata ttctacga
```

1. Delete all spaces within the sequence. (Format --> Replace: type a space and replace by nothing; replace all)

```
1aagagaggggcttcgcgctccaggggactcgggtccccgcctctacaccctttgattacg  
61ttaccctttgttgctttggcggggcactcccgccagcagccaccgaaactcgtttta  
121tccatgttcgtctgagtctaattcataatgaatcaaaactttcaacaacggatctcttgg  
181ttctggcatcgatgaagaacgcagcaaatgcgataagtaatgtgaattgcagaattcag  
241tgaatcatcgaatctttgaacgcacattgcgccctcgggtattccggggggcatgcctgt  
301tcgagcgatcattgcaccactcaagcgtagcttgggtattgggtctttcgccgggatttcc  
361cccgtggcgtgcccgaaaagcattggcggtccggtgtgactttaagcgtagtaaattttc  
421tcccgccttgaaagcctcgcgcggtggcggccagacaacccacatatattctacga
```

2. Delete line changes (replace ^p with nothing)

The file should look like this now:

```
1aagagaggggcttcgcgctccaggggactcgggtccccgcctctacaccctttgattacg61ttaccctttgttgctttggcggggcactcccgccagcagccaccga  
aactcgtttta121tccatgttcgtctgagtctaattcataatgaatcaaaactttcaacaacggatctcttgg181ttctggcatcgatgaagaacgcagcgaaatgcgataagta  
atgtgaattgcagaattcag241tgaatcatcgaatctttgaacgcacattgcgccctcgggtattccggggggcatgcctgt301tcgagcgatcattgcaccactcaagcgta  
gcttggattgggtctttcgccgggatttcc361cccgtggcgtgcccgaaaagcattggcggtccggtgtgactttaagcgtagtaaattttc421tcccgccttgaaagcct  
cgcgccgtggcggccagacaacccacatatattctacga
```

3. Delete all numbers by replacing

The sequence should look like this now:

```
aagagaggggcttcgcgctccaggggactcgggtccccgcctctacaccctttgattacggttaccctttgttgctttggc  
gggggcactcccgccagcagccaccgaaactcgttttatccatgttcgtctgagtctaattcataatgaatcaaaact  
ttcaacaacggatctcttgggttctggcatcgatgaagaacgcagcgaaatgcgataagtaatgtgaattgcagaattcag  
tgaatcatcgaatctttgaacgcacattgcgccctcgggtattccggggggcatgcctgttcgagcgatcattgcaccact  
caagcgtagcttgggtattgggtctttcgccgggatttcccccggtggcgtgcccgaaaagcattggcggtccggtgtgac  
tttaagcgtagtaaattttctcccgccttgaaagcctcgcgcggtggcggccagacaacccacatatattctacga
```

4. Type a name on the line above the sequence

```
>Ramalina_fastigiata_AY462055_ITS  
aagagaggggcttcgcgctccaggggactcgggtccccgcctctacaccctttgattacggttaccctttgttgctttggc  
gggggcactcccgccagcagccaccgaaactcgttttatccatgttcgtctgagtctaattcataatgaatcaaaact  
ttcaacaacggatctcttgggttctggcatcgatgaagaacgcagcgaaatgcgataagtaatgtgaattgcagaattcag  
tgaatcatcgaatctttgaacgcacattgcgccctcgggtattccggggggcatgcctgttcgagcgatcattgcaccact  
caagcgtagcttgggtattgggtctttcgccgggatttcccccggtggcgtgcccgaaaagcattggcggtccggtgtgac  
tttaagcgtagtaaattttctcccgccttgaaagcctcgcgcggtggcggccagacaacccacatatattctacga
```

5. This is FASTA format. Save as textfile.