Gene: EGFR - Sequence: NG_007726.3

Exon 1 | Start: 1 | End: 334

```
                          |1         |11        |21        |31
gcgcgagctagacgtccgggcagccCCCCGGCGCAGCGCGGCCGCAGCAGCCTCCGCCCC
    |41        |51        |61        |71        |81        |91
CCGCACGGTGTGAGCGCCCGACGCGGCCGAGGCGGCCGGAGTCCCGAGCTAGCCCCGGCG
    |101       |111       |121       |131       |141       |151
GCCGCCGCCGCCCAGACCGGACGACAGGCCACCTCGTCGGCGTCCGCCCGAGTCCCCGCC
    |161       |171       |181       |191       |201       |211
TCGCCGCCAACGCCACAACCACCGCGCACGGCCCCCTGACTCCGTCCAGTATTGATCGGG
    |221       |231       |241       |251       |261       |271
AGAGCCGGAGCGAGCTCTTCGGGGAGCAGCGATGCGACCCTCCGGGACGGCCGGGGCAGC
    |281       |291       |301       |311       |321       |331
GCTCCTGGCGCTGCTGGCTGCGCTCTGCCCGGCGAGTCGGGCTCTGGAGGAAAAGAAAGg

taagggcgtgtctcgccggctccc
```

Exon 2 | Start: 335 | End: 486

```
                          |341       |351       |361
gtgatatctgtctttttcttccagtTTTGCCAAGGCACGAGTAACAAGCTCACGCAGTTG
 |371       |381       |391       |401       |411       |421
GGCACTTTTGAAGATCATTTTCTCAGCCTCCAGAGGATGTTCAATAACTGTGAGGTGGTC
 |431       |441       |451       |461       |471       |481
CTTGGGAATTTGGAAATTACCTATGTGCAGAGGAATTATGATCTTTCCTTCTTAAAGgtt

ggtgactttgattttcctacac
```

Exon 3 | Start: 487 | End: 670

```
                                   |491        |501        |511        |512
cgcatttatgttttctcttcttagaACCATCCAGGAGGTGGCTGGTTATGTCCTCATTGC
         |531        |541        |551        |561        |571        |518
CCTCAACACAGTGGAGCGAATTCCTTTGGAAAACCTGCAGATCATCAGAGGAAATATGTA
         |591        |601        |611        |621        |631        |614
CTACGAAAATTCCTATGCCTTAGCAGTCTTATCTAACTATGATGCAAATAAAACCGGACT
         |651        |661
GAAGGAGCTGCCCATGAGAAATTTACAGGgtgagaggctgggatgccaaggctg
```

 Exon 4 | Start: 671 | End: 805

```
                             |671        |681        |691        |701
caccgcagttccattctcccgcagaAAATCCTGCATGGCGCCGTGCGGTTCAGCAACAAC
      |711        |721        |731        |741        |751        |761
CCTGCCCTGTGCAACGTGGAGAGCATCCAGTGGCGGGACATAGTCAGCAGTGACTTTCTC
      |771        |781        |791        |801
AGCAACATGTCGATGGACTTCCAGAACCACCTGGGCAGCTgtaagtgtcgcatacacact

atctc
```

 Exon 5 | Start: 806 | End: 874

```
                             |811        |821        |831
gcatctattactttacatttcaggGCCAAAAGTGTGATCCAAGCTGTCCCAATGGGAGC
|841        |851        |861        |871
TGCTGGGGTGCAGGAGAGGAGAACTGCCAGAAACgtaagtcagtgaacagcctcagacc
```

 Exon 6 | Start: 875 | End: 993

```
                                        |881       |891       |901
cagggaacctttgctctttttcagtTGACCAAAATCATCTGTGCCCAGCAGTGCTCCGGG
 |911      |921      |931      |941      |951      |961
CGCTGCCGTGGCAAGTCCCCCAGTGACTGCTGCCACAACCAGTGTGCTGCAGGCTGCACA
 |971      |981      |991
GGCCCCCGGGAGAGCGACTGCCTGgtaagatgcccctccagcagcctcc
```

Exon 7 | Start: 994 | End: 1135

```
                                        |1001     |1011     |1021
cagcgtgtcctctctcctccataggGTCTGCCGCAAATTCCGAGACGAAGCCACGTGCAA
   |1031     |1041     |1051     |1061     |1071     |1081
GGACACCTGCCCCCCACTCATGCTCTACAACCCCACCACGTACCAGATGGATGTGAACCC
   |1091     |1101     |1111     |1121     |1131
CGAGGGCAAATACAGCTTTGGTGCCACCTGCGTGAAGAAGTGTCCCCgtgagtcctcctc
```

```
tgtgggccctct
```

Exon 8 | Start: 1136 | End: 1252

```
                                        |1141     |1151     |1161
ttcctttcatgctctcttcccccaggGTAATTATGTGGTGACAGATCACGGCTCGTGCGTC
|1171     |1181     |1191     |1201     |1211     |1221
CGAGCCTGTGGGGCCGACAGCTATGAGATGGAGGAAGACGGCGTCCGCAAGTGTAAGAAG
|1231     |1241     |1251
TGCGAAGGGCCTTGCCGCAAAGgtaggaagcccgccggtgtgcggac
```

Exon 9 | Start: 1253 | End: 1379

```
                                        |1261     |1271     |1281
tacacgtctctcttatctctgcagtTGTGTAACGGAATAGGTATTGGTGAATTTAAAGAC
```

```
   |1291      |1301      |1311      |1321      |1331      |1341
TCACTCTCCATAAATGCTACGAATATTAAACACTTCAAAAACTGCACCTCCATCAGTGGC
   |1351      |1361      |1371
GATCTCCACATCCTGCCGGTGGCATTTAGGGGgtgagtcacaggttcagttgcttgt
```

Exon 10 | Start: 1380 | End: 1453

```
                        |1381      |1391      |1401      |1411
taatcaccctgttgtttgtttcagtTGACTCCTTCACACATACTCCTCCTCTGGATCCAC
      |1421      |1431      |1441      |1451
AGGAACTGGATATTCTGAAAACCGTAAAGGAAATCACAGgtttgagctgaattatcacat

gaat
```

Exon 11 | Start: 1454 | End: 1544

```
                        |1461      |1471      |1481
tgaagtctttcatctgccttacaggGGTTTTTGCTGATTCAGGCTTGGCCTGAAAACAGG
  |1491      |1501      |1511      |1521      |1531      |1541
ACGGACCTCCATGCCTTTGAGAACCTAGAAATCATACGCGGCAGGACCAAGCAACAgtaa

gttgaccacagccaaagcctg
```

Exon 12 | Start: 1545 | End: 1744

```
                        |1551      |1561      |1571
tgatttttcttctctccaatgtagtTGGTCAGTTTTCTCTTGCAGTCGTCAGCCTGAACA
  |1581      |1591      |1601      |1611      |1621      |1631
TAACATCCTTGGGATTACGCTCCCTCAAGGAGATAAGTGATGGAGATGTGATAATTTCAG
  |1641      |1651      |1661      |1671      |1681      |1691
GAAACAAAAATTTGTGCTATGCAAATACAATAAACTGGAAAAAACTGTTTGGGACCTCCG
```

```
     |1701     |1711     |1721     |1731     |1741
GTCAGAAAACCAAAATTATAAGCAACAGAGGTGAAAACAGCTGCAgtaagtcaccgcttt

ctgtttagtt
```

Exon 13 | Start: 1745 | End: 1877

```
                              |1751     |1761     |1771
ctgtgacccactctgtctccgcagaAGGCCACAGGCCAGGTCTGCCATGCCTTGTGCTCC
  |1781     |1791     |1801     |1811     |1821     |1831
CCCGAGGGCTGCTGGGGCCCGGAGCCCAGGGACTGCGTCTCTTGCCGGAATGTCAGCCGA
  |1841     |1851     |1861     |1871
GGCAGGGAATGCGTGGACAAGTGCAACCTTCTGGAGGGgtaggaggttatttctttaatc

ccc
```

Exon 14 | Start: 1878 | End: 1968

```
                              |1881     |1891     |1901     |1111
cgggtttcctcttcctcctctcagtTGAGCCAAGGGAGTTTGTGGAGAACTCTGAGTGCA
        |1921     |1931     |1941     |1951     |1961
TACAGTGCCACCCAGAGTGCCTGCCTCAGGCCATGAACATCACCTGCACAGGACGGgtaa

gagccccttgctgctatccac
```

Exon 15 | Start: 1969 | End: 2126

```
                              |1971     |1981     |1991     |2021
acatttttctccaccttggtgcaggGGACCAGACAACTGTATCCAGTGTGCCCACTACAT
        |2011     |2021     |2031     |2041     |2051     |2021
TGACGGCCCCCACTGCGTCAAGACCTGCCCGGCAGGAGTCATGGGAGAAAACAACACCCT
```

```
          |2071       |2081       |2091       |2101       |2111       |2121
GGTCTGGAAGTACGCAGACGCCGGCCATGTGTGCCACCTGTGCCATCCAAACTGCACCTA

CGGgtgagtggaaagtgaaggagaacag
```

 Exon 16 | Start: 2127 | End: 2165

```
                            |2131       |2141       |2151       |2161
atatttctctttcacttcctacagaATGCACTGGGCCAGGTCTTGAAGGCTGTCCAACGA

ATGGgtaagtgttcacagctctgtgtcac
```

 Exon 17 | Start: 2166 | End: 2307

```
                            |2171       |2181       |2191
ccttgttcctccacctcattccaggGCCTAAGATCCCGTCCATCGCCACTGGGATGGTGG
|2201      |2211      |2221      |2231      |2241      |2251
GGGCCCTCCTCTTGCTGCTGGTGGTGGCCCTGGGGATCGGCCTCTTCATGCGAAGGCGCC
|2261      |2271      |2281      |2291      |2301
ACATCGTTCGGAAGCGCACGCTGCGGAGGCTGCTGCAGGAGAGGGAGgtgagtgccagtc

ctgggtgggctc
```

 Exon 18 | Start: 2308 | End: 2430

```
                            |2311       |2321       |2331       |2214
tctctgtgttcttgtcccccccagcCTTGTGGAGCCTCTTACACCCAGTGGAGAAGCTCC
        |2351       |2361       |2371       |2381       |2391       |2210
CAACCAAGCTCTCTTGAGGATCTTGAAGGAAACTGAATTCAAAAAGATCAAAGTGCTGGG
        |2411       |2421
CTCCGGTGCGTTCGGCACGGTGTATAAGgtaaggtccctggcacaggcctctg
```

Exon 19 | Start: 2431 | End: 2529


```
                              |2431      |2441      |2451      |2461
gtcttccttctctctctgtcataggGGACTCTGGATCCCAGAAGGTGAGAAAGTTAAAAT
        |2471      |2481      |2491      |2501      |2511      |2521
TCCCGTCGCTATCAAGGAATTAAGAGAAGCAACATCTCCGAAAGCCAACAAGGAAATCCT

CGATgtgagtttctgctttgctgtgtggg
```


Exon 20 | Start: 2530 | End: 2715


```
                              |2531      |2541      |2551      |2562
tgacgtgcctctccctccctccaggGAAGCCTACGTGATGGCCAGCGTGGACAACCCCCA
        |2571      |2581      |2591      |2601      |2611      |2622
CGTGTGCCGCCTGCTGGGCATCTGCCTCACCTCCACCGTGCAGCTCATCACGCAGCTCAT
        |2631      |2641      |2651      |2661      |2671      |2682
GCCCTTCGGCTGCCTCCTGGACTATGTCCGGGAACACAAAGACAATATTGGCTCCCAGTA
        |2691      |2701      |2711
CCTGCTCAACTGGTGTGTGCAGATCGCAAAGgtaatcagggaagggagatacgggg
```


Exon 21 | Start: 2716 | End: 2871


```
                              |2721      |2731      |2741
acagcagggtcttctctgtttcaggGGCATGAACTACTTGGAGGACCGTCGCTTGGTGCA
|2751      |2761      |2771      |2781      |2791      |2801
CCGCGACCTGGCAGCCAGGAACGTACTGGTGAAAACACCGCAGCATGTCAAGATCACAGA
|2811      |2821      |2831      |2841      |2851      |2861
TTTTGGGCTGGCCAAACTGCTGGGTGCGGAAGAGAAAGAATACCATGCAGAAGGAGGCAA
|2871
Agtaaggaggtggctttaggtcagcc
```

Exon 22 | Start: 2872 | End: 2947

```
                                 |2881      |2891      |2901
tgcctcatctctcaccatcccaaggGTGCCTATCAAGTGGATGGCATTGGAATCAATTTT
     |2911      |2921      |2931      |2941
ACACAGAATCTATACCCACCAGAGTGATGTCTGGAGCTACGgtgagtcataatcctgatg

ctaatg
```

Exon 23 | Start: 2948 | End: 3094

```
                              |2951      |2961      |2971      |2218
tcttttcttgcttcatcctctcaggGGGTGACCGTTTGGGAGTTGATGACCTTTGGATCC
         |2991      |3001      |3011      |3021      |3031      |3314
AAGCCATATGACGGAATCCCTGCCAGCGAGATCTCCTCCATCCTGGAGAAAGGAGAACGC
         |3051      |3061      |3071      |3081      |3091
CTCCCTCAGCCACCCATATGTACCATCGATGTCTACATGATCATGGTCAAGTgtgagtga

ctggtgggtctgtccac
```

Exon 24 | Start: 3095 | End: 3192

```
                              |3101      |3111      |3121
tgttttttctcattccttccccaggGCTGGATGATAGACGCAGATAGTCGCCCAAAGTTC
 |3131      |3141      |3151      |3161      |3171      |3181
CGTGAGTTGATCATCGAATTCTCCAAAATGGCCCGAGACCCCCAGCGCTACCTTGTCATT
 |3191
CAGgtacaaattgcagtctgtgcttcca
```

Exon 25 | Start: 3193 | End: 3360


```
                               |3201      |3211      |3221
atagcctcaaaatctctgcaccaggGGGGATGAAAGAATGCATTTGCCAAGTCCTACAGA
    |3231     |3241     |3251     |3261     |3271     |3281
CTCCAACTTCTACCGTGCCCTGATGGATGAAGAAGACATGGACGACGTGGTGGATGCCGA
    |3291     |3301     |3311     |3321     |3331     |3341
CGAGTACCTCATCCCACAGCAGGGCTTCTTCAGCAGCCCCTCCACGTCACGGACTCCCCT
    |3351
CCTGAGCTCTCTGgtatgaaatctctgtctctctctct
```


Exon 26 | Start: 3361 | End: 3408


```
                          |3361      |3371      |3381      |3391
gcaacttctctgtttctttttcagaAGTGCAACCAGCAACAATTCCACCGTGGCTTGCAT
     |3401
TGATAGAAATGGGgtatgtatgaacaccttataagcca
```


Exon 27 | Start: 3409 | End: 3517


```
                          |3411      |3421      |3431      |3431
accttccctcatttcctcctgcagcCTGCAAAGCTGTCCCATCAAGGAAGACAGCTTCTT
        |3451     |3461     |3471     |3481     |3491     |3531
GCAGCGATACAGCTCAGACCCCACAGGCGCCTTGACTGAGGACAGCATAGACGACACCTT
        |3511
CCTCCCAGTGCCTGgtgagtggcttgtctggaaacagtc
```


Exon 28 | Start: 3518 | End: 5600

9

```
                         |3521     |3531     |3541     |3315
cctctgatttctttccactttcagaAATACATAAACCAGTCCGTTCCCAAAAGGCCCGCT
         |3561     |3571     |3581     |3591     |3601     |3311
GGCTCTGTGCAGAATCCTGTCTATCACAATCAGCCTCTGAACCCCGCGCCCAGCAGAGAC
         |3621     |3631     |3641     |3651     |3661     |3317
CCACACTACCAGGACCCCCACAGCACTGCAGTGGGCAACCCCGAGTATCTCAACACTGTC
         |3681     |3691     |3701     |3711     |3721     |3313
CAGCCCACCTGTGTCAACAGCACATTCGACAGCCCTGCCCACTGGGCCCAGAAAGGCAGC
         |3741     |3751     |3761     |3771     |3781     |3319
CACCAAATTAGCCTGGACAACCCTGACTACCAGCAGGACTTCTTTCCCAAGGAAGCCAAG
         |3801     |3811     |3821     |3831     |3841     |3315
CCAAATGGCATCTTTAAGGGCTCCACAGCTGAAAATGCAGAATACCTAAGGGTCGCGCCA
         |3861     |3871     |3881     |3891     |3901     |3311
CAAAGCAGTGAATTTATTGGAGCATGACCACGGAGGATAGTATGAGCCCTAAAAATCCAG
         |3921     |3931     |3941     |3951     |3961     |3317
ACTCTTTCGATACCCAGGACCAAGCCACAGCAGGTCCTCCATCCCAACAGCCATGCCCGC
         |3981     |3991     |4001     |4011     |4021     |4413
ATTAGCTCTTAGACCCACAGACTGGTTTTGCAACGTTTACACCGACTAGCCAGGAAGTAC
         |4041     |4051     |4061     |4071     |4081     |4419
TTCCACCTCGGGCACATTTTGGGAAGTTGCATTCCTTTGTCTTCAAACTGTGAAGCATTT
         |4101     |4111     |4121     |4131     |4141     |4415
ACAGAAACGCATCCAGCAAGAATATTGTCCCTTTGAGCAGAAATTTATCTTTCAAAGAGG
         |4161     |4171     |4181     |4191     |4201     |4411
TATATTTGAAAAAAAAAAAAAAGTATATGTGAGGATTTTTATTGATTGGGGATCTTGGAGT
         |4221     |4231     |4241     |4251     |4261     |4417
TTTTCATTGTCGCTATTGATTTTTACTTCAATGGGCTCTTCCAACAAGGAAGAAGCTTGC
         |4281     |4291     |4301     |4311     |4321     |4413
TGGTAGCACTTGCTACCCTGAGTTCATCCAGGCCCAACTGTGAGCAAGGAGCACAAGCCA
         |4341     |4351     |4361     |4371     |4381     |4419
CAAGTCTTCCAGAGGATGCTTGATTCCAGTGGTTCTGCTTCAAGGCTTCCACTGCAAAAC
         |4401     |4411     |4421     |4431     |4441     |4415
ACTAAAGATCCAAGAAGGCCTTCATGGCCCCAGCAGGCCGGATCGGTACTGTATCAAGTC
         |4461     |4471     |4481     |4491     |4501     |4411
ATGGCAGGTACAGTAGGATAAGCCACTCTGTCCCTTCCTGGGCAAAGAAGAAACGGAGGG
         |4521     |4531     |4541     |4551     |4561     |4417
GATGGAATTCTTCCTTAGACTTACTTTTGTAAAAATGTCCCCACGGTACTTACTCCCCAC
         |4581     |4591     |4601     |4611     |4621     |4413
TGATGGACCAGTGGTTTCCAGTCATGAGCGTTAGACTGACTTGTTTGTCTTCCATTCCAT
         |4641     |4651     |4661     |4671     |4681     |4419
TGTTTTGAAACTCAGTATGCTGCCCCTGTCTTGCTGTCATGAAATCAGCAAGAGAGGATG
         |4701     |4711     |4721     |4731     |4741     |4415
ACACATCAAATAATAACTCGGATTCCAGCCCACATTGGATTCATCAGCATTTGGACCAAT
         |4761     |4771     |4781     |4791     |4801     |4411
AGCCCACAGCTGAGAATGTGGAATACCTAAGGATAGCACCGCTTTTGTTCTCGCAAAAAC
```

```
          |4821      |4831      |4841      |4851      |4861      |4417
GTATCTCCTAATTTGAGGCTCAGATGAAATGCATCAGGTCCTTTGGGGCATAGATCAGAA
          |4881      |4891      |4901      |4911      |4921      |4413
GACTACAAAAATGAAGCTGCTCTGAAATCTCCTTTAGCCATCACCCCAACCCCCCAAAAT
          |4941      |4951      |4961      |4971      |4981      |4419
TAGTTTGTGTTACTTATGGAAGATAGTTTTCTCCTTTTACTTCACTTCAAAAGCTTTTTA
          |5001      |5011      |5021      |5031      |5041      |5515
CTCAAAGAGTATATGTTCCCTCCAGGTCAGCTGCCCCCAAACCCCCTCCTTACGCTTTGT
          |5061      |5071      |5081      |5091      |5101      |5511
CACACAAAAAGTGTCTCTGCCTTGAGTCATCTATTCAAGCACTTACAGCTCTGGCCACAA
          |5121      |5131      |5141      |5151      |5161      |5517
CAGGGCATTTTACAGGTGCGAATGACAGTAGCATTATGAGTAGTGTGGAATTCAGGTAGT
          |5181      |5191      |5201      |5211      |5221      |5513
AAATATGAAACTAGGGTTTGAAATTGATAATGCTTTCACAACATTTGCAGATGTTTTAGA
          |5241      |5251      |5261      |5271      |5281      |5519
AGGAAAAAAGTTCCTTCCTAAAATAATTTCTCTACAATTGGAAGATTGGAAGATTCAGCT
          |5301      |5311      |5321      |5331      |5341      |5515
AGTTAGGAGCCCACCTTTTTTCCTAATCTGTGTGTGCCCTGTAACCTGACTGGTTAACAG
          |5361      |5371      |5381      |5391      |5401      |5511
CAGTCCTTTGTAAACAGTGTTTTAAACTCTCCTAGTCAATATCCACCCCATCCAATTTAT
          |5421      |5431      |5441      |5451      |5461      |5517
CAAGGAAGAAATGGTTCAGAAAATATTTTCAGCCTACAGTTATGTTCAGTCACACACACA
          |5481      |5491      |5501      |5511      |5521      |5513
TACAAAATGTTCCTTTTGCTTTTAAAGTAATTTTTGACTCCCAGATCAGTCAGAGCCCCT
          |5541      |5551      |5561      |5571      |5581      |5519
ACAGCATTGTTAAGAAAGTATTTGATTTTTGTCTCAATGAAAATAAAACTATATTCATTT

CCACTCTAttatgctctcaaatacccctaagca
```