SEQUENCE LISTING

<110> TAIGA BIOTECHNOLOGIES, INC.

<120> MODULATORS OF MYC, METHODS OF USING THE SAME, AND METHODS OF IDENTIFYING AGENTS THAT MODULATE MYC

<130> 36824-705.201

<140> 12/550,166
<141> 2009-08-28

<150> 61/092,708
<151> 2008-08-28

<160> 6

<170> PatentIn version 3.5

<210> 1
<211> 459
<212> PRT
<213> Homo sapiens

<400> 1

```
Met Asp Phe Phe Arg Val Val Glu Asn Gln Gln Pro Pro Ala Thr Met
1               5                  10                  15

Pro Leu Asn Val Ser Phe Thr Asn Arg Asn Tyr Asp Leu Asp Tyr Asp
            20                  25                  30

Ser Val Gln Pro Tyr Phe Tyr Cys Asp Glu Glu Glu Asn Phe Tyr Gln
        35                  40                  45

Gln Gln Gln Gln Ser Glu Leu Gln Pro Pro Ala Pro Ser Glu Asp Ile
    50                  55                  60

Trp Lys Lys Phe Glu Leu Leu Pro Thr Pro Pro Leu Ser Pro Ser Arg
65                  70                  75                  80

Arg Ser Gly Leu Cys Ser Pro Ser Tyr Val Ala Val Thr Pro Phe Ser
                85                  90                  95

Leu Arg Gly Asp Asn Asp Gly Gly Gly Gly Ser Phe Ser Thr Ala Asp
            100                 105                 110

Gln Leu Glu Met Val Thr Glu Leu Leu Gly Gly Asp Met Val Asn Gln
        115                 120                 125

Ser Phe Ile Cys Asp Pro Asp Asp Glu Thr Phe Ile Lys Asn Ile Ile
    130                 135                 140

Ile Gln Asp Cys Met Trp Ser Gly Phe Ser Ala Ala Ala Lys Leu Val
145                 150                 155                 160

Ser Glu Lys Leu Ala Ser Tyr Gln Ala Ala Arg Lys Asp Ser Gly Ser
                165                 170                 175
```

```
Pro Asn Pro Ala Arg Gly His Ser Val Cys Ser Thr Ser Ser Leu Tyr
            180                 185                 190

Leu Gln Asp Leu Ser Ala Ala Ala Ser Glu Cys Ile Asp Pro Ser Val
        195                 200                 205

Val Phe Pro Tyr Pro Leu Asn Asp Ser Ser Ser Pro Lys Ser Cys Ala
    210                 215                 220

Ser Gln Asp Ser Ser Ala Phe Ser Pro Ser Ser Asp Ser Leu Leu Ser
225                 230                 235                 240

Ser Thr Glu Ser Ser Pro Gln Gly Ser Pro Glu Pro Leu Val Leu His
                245                 250                 255

Glu Glu Thr Pro Pro Thr Thr Ser Ser Asp Ser Glu Glu Glu Gln Glu
            260                 265                 270

Asp Glu Glu Glu Ile Asp Val Val Ser Val Glu Lys Arg Gln Ala Pro
        275                 280                 285

Gly Lys Arg Ser Glu Ser Gly Ser Pro Ser Ala Gly Gly His Ser Lys
    290                 295                 300

Pro Pro His Ser Pro Leu Val Leu Lys Arg Cys His Val Ser Thr His
305                 310                 315                 320

Gln His Asn Tyr Ala Ala Pro Pro Ser Thr Arg Lys Asp Tyr Pro Ala
                325                 330                 335

Ala Lys Arg Val Lys Leu Asp Ser Val Arg Val Leu Arg Gln Ile Ser
            340                 345                 350

Asn Asn Arg Lys Cys Thr Ser Pro Arg Ser Ser Asp Thr Glu Glu Asn
        355                 360                 365

Val Lys Arg Arg Thr His Asn Val Leu Glu Arg Gln Arg Arg Asn Glu
    370                 375                 380

Leu Lys Arg Ser Phe Phe Ala Leu Arg Asp Gln Ile Pro Glu Leu Glu
385                 390                 395                 400

Asn Asn Glu Lys Ala Pro Lys Val Val Ile Leu Lys Lys Ala Thr Ala
                405                 410                 415

Tyr Ile Leu Ser Val Gln Ala Glu Glu Gln Lys Leu Ile Ser Glu Glu
            420                 425                 430

Asp Leu Leu Arg Lys Arg Arg Glu Gln Leu Lys His Lys Leu Glu Gln
        435                 440                 445
```

Leu Arg Lys Gly Glu Leu Asn Ser Lys Leu Glu
450 455

<210> 2
<211> 492
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2
Met Arg Lys Lys Arg Arg Gln Arg Arg Arg Met Asp Phe Phe Arg Val
1 5 10 15

Val Glu Asn Gln Gln Pro Pro Ala Thr Met Pro Leu Asn Val Ser Phe
20 25 30

Thr Asn Arg Asn Tyr Asp Leu Asp Tyr Asp Ser Val Gln Pro Tyr Phe
35 40 45

Tyr Cys Asp Glu Glu Glu Asn Phe Tyr Gln Gln Gln Gln Gln Ser Glu
50 55 60

Leu Gln Pro Pro Ala Pro Ser Glu Asp Ile Trp Lys Lys Phe Glu Leu
65 70 75 80

Leu Pro Thr Pro Pro Leu Ser Pro Ser Arg Arg Ser Gly Leu Cys Ser
85 90 95

Pro Ser Tyr Val Ala Val Thr Pro Phe Ser Leu Arg Gly Asp Asn Asp
100 105 110

Gly Gly Gly Gly Ser Phe Ser Thr Ala Asp Gln Leu Glu Met Val Thr
115 120 125

Glu Leu Leu Gly Gly Asp Met Val Asn Gln Ser Phe Ile Cys Asp Pro
130 135 140

Asp Asp Glu Thr Phe Ile Lys Asn Ile Ile Ile Gln Asp Cys Met Trp
145 150 155 160

Ser Gly Phe Ser Ala Ala Ala Lys Leu Val Ser Glu Lys Leu Ala Ser
165 170 175

Tyr Gln Ala Ala Arg Lys Asp Ser Gly Ser Pro Asn Pro Ala Arg Gly
180 185 190

His Ser Val Cys Ser Thr Ser Ser Leu Tyr Leu Gln Asp Leu Ser Ala
195 200 205

Ala Ala Ser Glu Cys Ile Asp Pro Ser Val Val Phe Pro Tyr Pro Leu

```
    210                 215                 220

Asn Asp Ser Ser Ser Pro Lys Ser Cys Ala Ser Gln Asp Ser Ser Ala
225                 230                 235                 240

Phe Ser Pro Ser Ser Asp Ser Leu Leu Ser Ser Thr Glu Ser Ser Pro
                245                 250                 255

Gln Gly Ser Pro Glu Pro Leu Val Leu His Glu Glu Thr Pro Pro Thr
            260                 265                 270

Thr Ser Ser Asp Ser Glu Glu Glu Gln Glu Asp Glu Glu Glu Ile Asp
        275                 280                 285

Val Val Ser Val Glu Lys Arg Gln Ala Pro Gly Lys Arg Ser Glu Ser
    290                 295                 300

Gly Ser Pro Ser Ala Gly Gly His Ser Lys Pro Pro His Ser Pro Leu
305                 310                 315                 320

Val Leu Lys Arg Cys His Val Ser Thr His Gln His Asn Tyr Ala Ala
                325                 330                 335

Pro Pro Ser Thr Arg Lys Asp Tyr Pro Ala Ala Lys Arg Val Lys Leu
            340                 345                 350

Asp Ser Val Arg Val Leu Arg Gln Ile Ser Asn Asn Arg Lys Cys Thr
        355                 360                 365

Ser Pro Arg Ser Ser Asp Thr Glu Glu Asn Val Lys Arg Arg Thr His
    370                 375                 380

Asn Val Leu Glu Arg Gln Arg Arg Asn Glu Leu Lys Arg Ser Phe Phe
385                 390                 395                 400

Ala Leu Arg Asp Gln Ile Pro Glu Leu Glu Asn Asn Glu Lys Ala Pro
                405                 410                 415

Lys Val Val Ile Leu Lys Lys Ala Thr Ala Tyr Ile Leu Ser Val Gln
            420                 425                 430

Ala Glu Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Leu Arg Lys Arg
        435                 440                 445

Arg Glu Gln Leu Lys His Lys Leu Glu Gln Leu Arg Lys Gly Glu Leu
    450                 455                 460

Asn Ser Lys Leu Glu Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu
465                 470                 475                 480

Asp Ser Thr Arg Thr Gly His His His His His His
```

485 490

<210> 3
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic 6xHis tag

<400> 3
His His His His His His
1 5

<210> 4
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 4
Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr
1 5 10

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 5
Ile Pro Asn Pro Leu Leu Gly Leu Asp
1 5

<210> 6
<211> 9
<212> PRT
<213> Human immunodeficiency virus

<400> 6
Arg Lys Lys Arg Arg Gln Arg Arg Arg
1 5