

Sunday, May 01, 2022 09:43 PM

Majority -----
 10 20 30 40 50 60 70 80
 Human TGCCTCCAAATGTTAAACTCCAACCTATTGTAGCATTTTAACACATGGCTCCATTTGTGTCTATTTCCACCTAGCGTATTG 80
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 90 100 110 120 130 140 150 160
 Human TGAATATTTTCTACAGGCGCACACTAATCACCAACTGAAGTGAGAATCACATTTTCCTCCACTTGGCTTGGTACTACAGG 160
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 170 180 190 200 210 220 230 240
 Human TCTTGAAGCAAAGCCTGTATTTTCAGTCTGAGGAGTTCTACTTGCTTGAGAAAGTACTGTTGTTACCAAGTGGTCTCGTT 240
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 250 260 270 280 290 300 310 320
 Human CAGTGGGGTAAAGATTTTGTTTTAGAGGCTGGAGCCGGTCTGCAAATAAAAGATGGCTTAGGAGAAAAGCTATCCAATG 320
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 330 340 350 360 370 380 390 400
 Human TTTTTCCTTGGCCCGCATAGGTTGACGGTAGCCAAGCTGGTACTTGGCTTGGAGTGAAGTGGAGGCTGCCTGGGGGC 400
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 410 420 430 440 450 460 470 480
 Human GTCCTGCAGTCAGGGCAGAGAGAGTGTGGAGAGCTGTTGGGAGGTGTCCCACCCACGCCCCACAAGGAGGGGAAACCAG 480
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----

 490 500 510 520 530 540 550 560

 Human GTCGCCGCGGTCTGCAGCAGAACGCCAGGTTCCAGAGGACGGCAGGCGGAGGGCGGAGGGAGAAAGGCCGCGGAAGGCGC 560
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 570 580 590 600 610 620 630 640

 Human GGAGGAGGCGTCTGGCTGCGGCGCCCACTCCCCCTAGTCCCAGCGCCCTGCCGCTCGCCTCCCCTGCCGGGCGCCGGCGC 640
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 650 660 670 680 690 700 710 720

 Human GCTCGGCTCTTTCCGCCCGCCGCTGCCGCGCGGTGGCCCGTGCGCCTCGGCACCTTCGGCAATTTCCGTCGGGCCCA 720
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 730 740 750 760 770 780 790 800

 Human GCCGCCATTTCTCGCCGCTTGTTGTGGCTCGCTGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCA 800
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 810 820 830 840 850 860 870 880

 Human ATGGACGGGTATGTAATCGGGCCGGCGAGAAGGTGTGTGTGAGAGAGGAGTTGGACCGTCCTTCGGCCCGGTCCCGGGCC 880
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 890 900 910 920 930 940 950 960

 Human GGGGAGAAACCCTCCC CGGCCCTCCCAGGGCTGGGCTGCCGTTACCCAACCCCGCCCATCGCACACACCCTCCCT 960
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
          970      980      990      1000      1010      1020      1030      1040
Human      TTGCTTCCCCCGGCGGGCTTTGGTCGAGAAAATGAGAAGAAAGCGGGCTTGGAGGCTGGGGAGGCATAGGGGCGATGGCG 1040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          1050      1060      1070      1080      1090      1100      1110      1120
Human      GGGGTGAGGATCCCGGAGTGGGAGCGGGCACCGGCTTGGCGGCGGGGGATGGGGTGGGAACCCCATACGTCTCCCCGGT 1120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          1130      1140      1150      1160      1170      1180      1190      1200
Human      CTGTCCCTGCCCCCTCTAGGAGCCATTTTCGATCCGTACCTTGGGACCCGACCCTTGGGTTAGCGGTGCCTGTGAGAGCGA 1200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          1210      1220      1230      1240      1250      1260      1270      1280
Human      GTGGGATGGGCAGAGACAGGCCTTTGGATTGGGGGAGCCTCTAGGGGAAGAGGAGAGAGGCACCCCATGTGGACCCACG 1280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          1290      1300      1310      1320      1330      1340      1350      1360
Human      CATGAGCAACCTTCTCCGGCCTCGCCCGGCCCTCCGTGGTCGGGAGAGATGCCGGTGGCGGGAGCTCCGGGAAAGCCTAG 1360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          1370      1380      1390      1400      1410      1420      1430      1440
Human      TGGGAGCCGCTGGGGAAGGGGGGAGGGCGTGCGGCGGGGAGGAAGGGGGAGGGCAGATGTCTACTCCTTTGTTTCA 1440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
 1450 1460 1470 1480 1490 1500 1510 1520
 Human TTTGAGTCTGGTAGTGGGGCGGGAGGGAGGAAAAAATGCCTTTTTGTGGGGACTGAAAACATTCAAGGCTTGGCAAAG 1520
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 1530 1540 1550 1560 1570 1580 1590 1600
 Human GGCCCAAGAAATTAATCATCTAAAAACGAAGTGTGTAAGCCGACATCAGTCACATGGGCAAAGGCCAACAGCAATGGC 1600
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 1610 1620 1630 1640 1650 1660 1670 1680
 Human AGAAACAAGAGCAGATAGTCAACAAAGGGCTATCTTTTAGCTACTTTGGTCAGTTTCTGGAAAAACGACTATAAAAACC 1680
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 1690 1700 1710 1720 1730 1740 1750 1760
 Human CAGAACCATGCTGCATCTTTGCGAACCTGAGTCAAGACGGAATGCTGAGTGAGGTGAGAGGCAAGACTGTGAAATGGTAG 1760
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 1770 1780 1790 1800 1810 1820 1830 1840
 Human GGACCGATGTCTCGCTCATATGCTTCACACCTGAAAAGACTCAGTAATTTAACTCAATGTTAGAAAGGGGGCACGCTTAA 1840
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 1850 1860 1870 1880 1890 1900 1910 1920
 Human GGTCAAAAATACAGCAGTATGCAGCTCTTTTGGGAGTGTAACATAGTATCATTTAACAAGTACATTTATTTAAAATCAGT 1920
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
 1930 1940 1950 1960 1970 1980 1990 2000
 Human GAGTATTTGAAGAATCAACAATTTGGTTAAGCGCCTAGAGTTTGGTGTGTTTTTAAAAGGTTACTAAAAACAAGATTTTATA 2000
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 2010 2020 2030 2040 2050 2060 2070 2080
 Human AAAGTTAACACAGTCTCACAGAATTCAAATCATCCTAGATGTTACCTAAAGATTATTTTCCAGATGAAACAAATCCAGAG 2080
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 2090 2100 2110 2120 2130 2140 2150 2160
 Human AAGTTCAGTATTCACCCAGATCAACACGGAAATTGATGTCAAACCTGCACTAGAAATTCATGTTTCCTGATTCCCTGGTT 2160
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 2170 2180 2190 2200 2210 2220 2230 2240
 Human CCTGTGGAGACTACTAAAGAGTTTAAAGCGTTAAATTATTAATCTCAGTATACTGGCATTGTAGAAATGGCATAGTGT TTT 2240
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 2250 2260 2270 2280 2290 2300 2310 2320
 Human GGGTTTTGTTCTTTTTGGCTATTGAATGTGTTGTTAAAAAATACCACAAGTTGTCTCACATTTGAAAGTTACTTTTAGAA 2320
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 2330 2340 2350 2360 2370 2380 2390 2400
 Human AACCAGGTTGGTAAACAGTACAGGTAAGTCACGGATCATCTGTGGTATTTTTTATCCCCATCTGTGTGTGAGTGGCTGGAA 2400
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                2410      2420      2430      2440      2450      2460      2470      2480
Human          GATTTATGAATGATGGACTATCCTAAAAAGTTTTAGAGCCAAAGAGTGAGTGATTAGAAGAATAACAGGAGGTTGAAACT 2480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                2490      2500      2510      2520      2530      2540      2550      2560
Human          ACTTATTTTTTCTTTGCAGAATCGTCACTGAGGTTGCAGTTGGCGTGAAGGTAGGAAAATACTATGTTTGAAACTGGGAT 2560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                2570      2580      2590      2600      2610      2620      2630      2640
Human          TGTGGATCTATTATCATAATTACTGGAAAATTTTAGCTTTTGCTTTTGAAAACATAACGTAGCTAACAAAACCCAAGT 2640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                2650      2660      2670      2680      2690      2700      2710      2720
Human          GTAAAATGTTTCCTTTTCATTTGTAAAGTTGGACCATATAAACAGTTTGTAATCACCATAAGTTTTTCTAGAACTGTCAGT 2720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                2730      2740      2750      2760      2770      2780      2790      2800
Human          CTGTAAGAATAACCTTTTAAAGTAAGTATGAATGATCAAGAAATTGAAAATGCTTTCACACATGGCTTCTTGTAATATAA 2800
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                2810      2820      2830      2840      2850      2860      2870      2880
Human          AACGATACCCCAATTTTCTGAGGGGAAAATAATGATTTTAAATGGATGGTAAGTGGTTTGACCTATATCTTATAATTTTGT 2880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
 2890 2900 2910 2920 2930 2940 2950 2960
 Human TAATCTAAGTTTTTTGTTTTTTTATTACTTTTTGTCATGAAAATGAATATATTTTGTTAATAATAAAGCACATTAGAAAT 2960
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 2970 2980 2990 3000 3010 3020 3030 3040
 Human GAATTACACTGATCCTTAAAAAGGAAGTTGTTGAGGCAGTTAGCTTCAAATTTGAATTAGAAGTTAAGAGCTGGTTTGTC 3040
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 3050 3060 3070 3080 3090 3100 3110 3120
 Human TATTAAAGAAAGTCTTTATGGTAGAGATCCTTTGGAATCCTTCCTTTTTGGCTAAGAAAACACTACTCATCGTTTAAACTTT 3120
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 3130 3140 3150 3160 3170 3180 3190 3200
 Human AGTTCTAATGCTTAACATTTTCTTGAGTACTTGCAACTTTTAATGTCATGATGATTGTAATTTTTTTTTGTTTTTTGTT 3200
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 3210 3220 3230 3240 3250 3260 3270 3280
 Human TTTTGGAGACGGAGCCTCACTCTGTTGCCAGGCTGGATGCAGTGGCAGCATCTTGGCCCACTGCAACCTCTGCCTCCTG 3280
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 3290 3300 3310 3320 3330 3340 3350 3360
 Human GGTTCAGCAGTTCTCTGCCTCAGCCTCCTGAGTAGCTGGGATTACAGGTGCGCACCACCACGCCAGCTAATTTGTAT 3360
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                |-----|
                |3370|3380|3390|3400|3410|3420|3430|3440|
                |-----|
Human           TTTTAGTAGAAATGGCATTTCACCCCTGTTGGTCAGGCTGGTCTCAAACCTCCTGACCTCATGATCTGCCTGCCTCTTATGA 3440
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |3450|3460|3470|3480|3490|3500|3510|3520|
                |-----|
Human           TCTGCCTGCCTTGACCTCCCAAAGTGCTGGGATTACAAGTGTGAGCCACCGTGCCCGGCTGTATTGTCATTTTTTCATTT 3520
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |3530|3540|3550|3560|3570|3580|3590|3600|
                |-----|
Human           GCAAGCCTCTCTGTCCCTGAGAGGCTTTCTGCTTAGTCCAGTGTGCTGACTGTTCAAACATTTTTTCGAATTCTTAAAAAT 3600
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |3610|3620|3630|3640|3650|3660|3670|3680|
                |-----|
Human           TGTATCCATAATGGGGGGAGGGGGAAGGGATAGCATTGGGAGATATAGGGGGGAGGGGGGAGGGATAGCTTTAGGAGATA 3680
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |3690|3700|3710|3720|3730|3740|3750|3760|
                |-----|
Human           TACCTAATGCTAAATGACAAGTTAATGGGTGCAGCACACCAACATGGCACATGTATACATATGTAACAAACCTGCACGTT 3760
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |3770|3780|3790|3800|3810|3820|3830|3840|
                |-----|
Human           GTACTCATGTACCCTAAAACCTTAAAGTATAATAATGATAATAATAATTTGTATCCATAATGATGTGGTGTCTTTCAAATA 3840
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
3850	3860	3870	3880	3890	3900	3910	3920
 Human CTTTTGGGGATGGTACTGTGTTTTCTTGCTTATTTTCTGTCCTCTTTCCTATAGTGAAATAGATATTTGCCCATTCCTTTA 3920
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
3930	3940	3950	3960	3970	3980	3990	4000
 Human GGCTTGTTTCTTGAGTTCATTTTGTACAGACTAAAGGAGGAATAATACGCTCTTTTGGTGATAGTATTTTCCAAGTTGA 4000
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
4010	4020	4030	4040	4050	4060	4070	4080
 Human GTTAGTCATGGGATTTAAAATCAGGAATAGCTAAAGATTGCAAAATGGTAGATGTTGTAGGTTCCATCCAAACAGATTTTC 4080
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
4090	4100	4110	4120	4130	4140	4150	4160
 Human TGTAATTTTGTAAAAGAATAAATGATACAAGTGTGAGTTGTCGACTGTTAGTGAAAAGGAGAGGAGTTTGTAGACAAG 4160
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
4170	4180	4190	4200	4210	4220	4230	4240
 Human GCTCAGAATGAGTAGACAGGAAAAAACTGAGGAGACTTGGGAATAGGATGTCCAGGTGTAATGTATTGGTTACACCAGTTT 4240
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
4250	4260	4270	4280	4290	4300	4310	4320
 Human TTTTTTTTTTTTTTTTGAGACAGAGTCTCACTCTTCGCCCAGGTGGAGTGCAGTGGCACGATCCTGGCTCACTACAAGCTC 4320
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
 |-----|
 | 4330 | 4340 | 4350 | 4360 | 4370 | 4380 | 4390 | 4400 |
 |-----|
 Human CGCCTTCCGGGTTCACTCCATTCTTCTGCCTCAGCCTCCCAGTAGCTGGGACTACAGGCGCCACCACCACGCCCGGCT 4400
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 4410 | 4420 | 4430 | 4440 | 4450 | 4460 | 4470 | 4480 |
 |-----|
 Human AATTTTTGTATTTTTAGTAGAGACGGGGTTTCCACGTGTAGCCAGGATGGTCTTGATCTCCTGACCTTGTGGTTACAC 4480
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 4490 | 4500 | 4510 | 4520 | 4530 | 4540 | 4550 | 4560 |
 |-----|
 Human CAGTTTTTGTAGTTGTTGAGGAGAACACTTTAGAAGATGATAAAAAAAAAATTGCAAATCGTTTTTAAAAATCCATTG 4560
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 4570 | 4580 | 4590 | 4600 | 4610 | 4620 | 4630 | 4640 |
 |-----|
 Human TTAAATATAAAAGTCTGAATAATTAAAGTTAATTTAATTTCTGGAATAATGGTTAAGAATTTTGTCTTTGGTGTCCAGGC 4640
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 4650 | 4660 | 4670 | 4680 | 4690 | 4700 | 4710 | 4720 |
 |-----|
 Human CTGTGTACAAGTAATTAAGTGTCTTTAAAACTTAAACATTTGTGAATTTGCTTTAAAGACACTGATGCATGTGCATAT 4720
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 4730 | 4740 | 4750 | 4760 | 4770 | 4780 | 4790 | 4800 |
 |-----|
 Human TTAAAAAATTCAGGCCGGGCGCGGTGGGTCCACACCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAG 4800
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
      4810      4820      4830      4840      4850      4860      4870      4880
Human   TTCAGGAGAGACCATCCTGGCTAACACGGTGAAACCTGTCTTTACTAAAAATACAAAAATTAGCCGGGTGTGGTGACG 4880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
      4890      4900      4910      4920      4930      4940      4950      4960
Human   GGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAAATGGCATGAACCTGCGAGGCAGAGGTTGCAGTAAGCGG 4960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
      4970      4980      4990      5000      5010      5020      5030      5040
Human   AGATTGCACCACTGCACTCCAGCCTGGGCGACAGAGACAGACTCTATCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 5040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
      5050      5060      5070      5080      5090      5100      5110      5120
Human   AAAAAAATTCAAACTGCTTCACAGCTTTTTTTTGCTATTTCTTAGGTGTAGGTAATTGTGTTAAAAATTTTGTGCCTTTTTT 5120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
      5130      5140      5150      5160      5170      5180      5190      5200
Human   CTTGAAATTATTAATTTATATATTAGCACACATATAAACATCTTTATTTACGTGATTGAATTCAAACTATTGTTTTGGCC 5200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
      5210      5220      5230      5240      5250      5260      5270      5280
Human   CACATCTTGCCTTTTTTTTTTTTTTTTGGAGTCGGAGTCTCCCTCTGTCATCAGGCTGGAGTGCAGTGGCATGATCTCGGC 5280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
                    |-----|-----|-----|-----|-----|-----|-----|
                    | 5290   | 5300   | 5310   | 5320   | 5330   | 5340   | 5350   | 5360
                    |-----|-----|-----|-----|-----|-----|-----|
Human               |TTACTGCAACCTCTGCCTCCTGGGTTTCAGGCAATTCTCCTGCCTCAGCCTCCCTAGTAGCTGGGACTACAGGCACACGCC| 5360
AsianBonytongue    |-----|-----|-----|-----|-----|-----|-----| 0
Reedfish           |-----|-----|-----|-----|-----|-----|-----| 0
NorthernPike       |-----|-----|-----|-----|-----|-----|-----| 0
SpottedGar         |-----|-----|-----|-----|-----|-----|-----| 0
ParamormyropsKingsLeyae|-----|-----|-----|-----|-----|-----|-----| 0

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Majority -----
                    |-----|-----|-----|-----|-----|-----|-----|
                    | 5370   | 5380   | 5390   | 5400   | 5410   | 5420   | 5430   | 5440
                    |-----|-----|-----|-----|-----|-----|-----|
Human               |GCCATGCCAGACTAATTTTTTTTTTTTTTTTCGAGACGGAGTCTCGCCCGGTCTCCAGGCTGGAGTGCAGTGTCCGCGATC| 5440
AsianBonytongue    |-----|-----|-----|-----|-----|-----|-----| 0
Reedfish           |-----|-----|-----|-----|-----|-----|-----| 0
NorthernPike       |-----|-----|-----|-----|-----|-----|-----| 0
SpottedGar         |-----|-----|-----|-----|-----|-----|-----| 0
ParamormyropsKingsLeyae|-----|-----|-----|-----|-----|-----|-----| 0

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Majority -----
                    |-----|-----|-----|-----|-----|-----|-----|
                    | 5450   | 5460   | 5470   | 5480   | 5490   | 5500   | 5510   | 5520
                    |-----|-----|-----|-----|-----|-----|-----|
Human               |TCTGCTCACTGCAACCTCTGCCTCCTGGGTTTCACGCCATTCTCCTGTCTCAGCCTCCCAAGTAGCTGGGACTACAGGCGC| 5520
AsianBonytongue    |-----|-----|-----|-----|-----|-----|-----| 0
Reedfish           |-----|-----|-----|-----|-----|-----|-----| 0
NorthernPike       |-----|-----|-----|-----|-----|-----|-----| 0
SpottedGar         |-----|-----|-----|-----|-----|-----|-----| 0
ParamormyropsKingsLeyae|-----|-----|-----|-----|-----|-----|-----| 0

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Majority -----
                    |-----|-----|-----|-----|-----|-----|-----|
                    | 5530   | 5540   | 5550   | 5560   | 5570   | 5580   | 5590   | 5600
                    |-----|-----|-----|-----|-----|-----|-----|
Human               |CTGCCACCACGCCTGGCTTCTTTTTTGTATATTCAGTAGAGACAGAGTTTCACCATGTTAGCCAGGATAGTCTCTATCTC| 5600
AsianBonytongue    |-----|-----|-----|-----|-----|-----|-----| 0
Reedfish           |-----|-----|-----|-----|-----|-----|-----| 0
NorthernPike       |-----|-----|-----|-----|-----|-----|-----| 0
SpottedGar         |-----|-----|-----|-----|-----|-----|-----| 0
ParamormyropsKingsLeyae|-----|-----|-----|-----|-----|-----|-----| 0

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Majority -----
                    |-----|-----|-----|-----|-----|-----|-----|
                    | 5610   | 5620   | 5630   | 5640   | 5650   | 5660   | 5670   | 5680
                    |-----|-----|-----|-----|-----|-----|-----|
Human               |CTGACCTCGTGATCTGCCTGCCTCGGCCCTCCCAAAGTGCTGGGATTACAAGCGTGAGCCACCCGCGCTAGCCAAAATGCC| 5680
AsianBonytongue    |-----|-----|-----|-----|-----|-----|-----| 0
Reedfish           |-----|-----|-----|-----|-----|-----|-----| 0
NorthernPike       |-----|-----|-----|-----|-----|-----|-----| 0
SpottedGar         |-----|-----|-----|-----|-----|-----|-----| 0
ParamormyropsKingsLeyae|-----|-----|-----|-----|-----|-----|-----| 0

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Majority -----
                    |-----|-----|-----|-----|-----|-----|-----|
                    | 5690   | 5700   | 5710   | 5720   | 5730   | 5740   | 5750   | 5760
                    |-----|-----|-----|-----|-----|-----|-----|
Human               |AGACTAATTTTTGTATTTTTAGTAGAGACAGGGTTTCACCATTTTGCCAGGATGGTCTTGATCTCTTGACTCCATCATC| 5760
AsianBonytongue    |-----|-----|-----|-----|-----|-----|-----| 0
Reedfish           |-----|-----|-----|-----|-----|-----|-----| 0
NorthernPike       |-----|-----|-----|-----|-----|-----|-----| 0
SpottedGar         |-----|-----|-----|-----|-----|-----|-----| 0
ParamormyropsKingsLeyae|-----|-----|-----|-----|-----|-----|-----| 0

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
5770	5780	5790	5800	5810	5820	5830	5840
 Human CGCCCGCCTTGACTTCCCAAAGTGTGGGATTACAGGCTTGAGCCACCGCGTCCGGCCATATCTTGCCTTTAAAAAAA 5840
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
5850	5860	5870	5880	5890	5900	5910	5920
 Human TAGCTTTATTGAGATATAATTTGACATAAAATAAACTACCCATATTAATATAACAATGTTTTATCTCATATATACCCTTG 5920
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
5930	5940	5950	5960	5970	5980	5990	6000
 Human TGAAACCACTGCAATCAAGATAATGAACATCTATCACTCCCTACAGTATCATCTTGCGCCTTTATAGTCCCTCCTTTCTG 6000
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
6010	6020	6030	6040	6050	6060	6070	6080
 Human CTTTTCTTTCCCAAGGAACCACTGATCTGCTTTCTGTCACTATAGATTAGTTCACACTTTTTAGAAATTTAGATAAATG 6080
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
6090	6100	6110	6120	6130	6140	6150	6160
 Human TAATCATATGGTATGTACATTTTGGTCTGGGTTAGTCCACTCAGAATAATTATTTTGAAATTCACCCATGTTGTCTTTC 6160
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
6170	6180	6190	6200	6210	6220	6230	6240
 Human AATAGTCCATTCTGTTTTATTGCTTAGTAATAGTACACTTTATGGCTATACAGCAATTTGTTAATCCATTCAAGTCTTGA 6240
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                |-----|
                | 6250   6260   6270   6280   6290   6300   6310   6320
                |-----|
Human           GGGACATTTGTATTGTTTTCCGTTTTGAGCTAATAAAAAATATAGTTGTGAACATTACTGTACAAGTCTTTGTATGGACAT 6320
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                | 6330   6340   6350   6360   6370   6380   6390   6400
                |-----|
Human           ATGCTTTCATTTCTCTTGGTGGGGCAGGCTATGATTGGAAAGTCTGGATCATGTGATAGGCATATGTTTAACTTTTTAAG 6400
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                |-----|
                | 6410   6420   6430   6440   6450   6460   6470   6480
                |-----|
Human           GAACTGCAAAC TTTTTAAAAGTAGTTGTACCATCTTACATTGCCATCAGCATGGTATGAAATTTCCAGTCCTTCCACATC 6480
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                | 6490   6500   6510   6520   6530   6540   6550   6560
                |-----|
Human           CTCTTAAATGCCTGTTATCTTCTGTTTTTGATTATAGATATTGTAGTGATATGAAGTGATATTTCACTGTGGATTTAAT 6560
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                | 6570   6580   6590   6600   6610   6620   6630   6640
                |-----|
Human           TTGCATTCCCTCTAATAATCTATGATGTTGGACATCTTTTCGTGTGCTTTTTGTGAGCTGTTATCTTTGGTGAAGTGTCTGT 6640
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                | 6650   6660   6670   6680   6690   6700   6710   6720
                |-----|
Human           TTATATCTTTAGCCCAATTTTTATTGGTTATTTATTTTAAATTGAGTTTTGAGAGGCTTCATTGTGGTTACAAGTCC 6720
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |6730   6740   6750   6760   6770   6780   6790   6800|
Human           TTTATCAGCCATAAGGCCTGCAAATATTTTCTGCCACTCATCTTCTTATTCTCGCATTGTCTTTTGAAGAGCAACAGTTA 6800
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                |-----|
                |6810   6820   6830   6840   6850   6860   6870   6880|
Human           TTAAATCTGATGGACTCCAGTTTACCAATTTTTTCTTTTATGGATTGTAGTTTGGGGTCTTGTCTGAGCCATTTTTTGCC 6880
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                |-----|
                |6890   6900   6910   6920   6930   6940   6950   6960|
Human           TGACTGTAAGCCATGAAGATTTTTTCCCTTTTGTGTTGTTAATAATAATAATAAATTTTTTTTAGAGACAGGACCTGACTC 6960
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                |-----|
                |6970   6980   6990   7000   7010   7020   7030   7040|
Human           TGTCACCCCAGCTGGAGTGCAGTGGTGC AATCGTAGCTCATGATAACCTTGA ACTCCTGGACACAAGGGCTCCTGCTTCA 7040
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                |-----|
                |7050   7060   7070   7080   7090   7100   7110   7120|
Human           GCCTCCCAAGTAGCTAGGACTATAGGCACACAGCACCATGCCCAGCTAACTTTTAAATTTTTTATAGACCCGGGGTCTCT 7120
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                |-----|
                |7130   7140   7150   7160   7170   7180   7190   7200|
Human           CTGTTTTGCCCAGGCTGGTGTGAACTCCTGGCCTCAAGCGATCTTTCTGCCTCAGCCTTCCAAAGTGTGGGATTAAAG 7200
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
7210	7220	7230	7240	7250	7260	7270	7280
 Human GCATGAGCCACTACACTTGCCACCTTTGTTTTCTAATAGAAGTTTATACTTTGGTTTAAACATTGGGTCTCTTTCATT 7280
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
7290	7300	7310	7320	7330	7340	7350	7360
 Human TTGACTTAATATTTTGAATATGGTACAAAGTGTGGGTCAGAAGTATTTGGTTTGCATGGGGATATCCAGTGTTTACAGC 7360
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
7370	7380	7390	7400	7410	7420	7430	7440
 Human ATCATTGTTGAAAAGACTATCCTTTCTCCATTCACCTTGGCTTTCAGCTTCATGAAAAATCACTTATGTCTGTATGTGT 7440
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
7450	7460	7470	7480	7490	7500	7510	7520
 Human GATTTTATGTCTGTACTCTTTTTTGTATTGACCCATTTTCCTTTATCTAGATGCTGGAACATACTGTCTTAATCATTGT 7520
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
7530	7540	7550	7560	7570	7580	7590	7600
 Human AGCTTTATATTGAGTCTTGAAACCACTTACTTAGTCTTGGCCCTCCAACCTCTGTTCTTTTTCAAAGTTGTTTTAACTCT 7600
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
7610	7620	7630	7640	7650	7660	7670	7680
 Human TCTGAGTCCTTTGTATTTTCATATGAGTCAGTTCCTTAGAAAACTGCTTGGATTTTACTGGATTTGACTTGAATCTGTAG 7680
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                7690      7700      7710      7720      7730      7740      7750      7760
Human          AGCAAATTTGGGGAAAATTGGCATCATGACTACAATTGATGTCTCTATTAGGTCTTTAATTTCTTTAAGCATTTTTTTTTT 7760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                7770      7780      7790      7800      7810      7820      7830      7840
Human          TTTTTTTCAGTGCACACGTTTTTGTGCATTGTTTGATTAGATTTACCCATAAGTATTTTATGTATTTGAAGTACTGTAAA 7840
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                7850      7860      7870      7880      7890      7900      7910      7920
Human          TGATATTTTAAAAACTTAATTTCCAATTGTTTGCTAGTGTATAGAAATGATTATGGCATATTGCTCATATGTTCTGAACC 7920
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                7930      7940      7950      7960      7970      7980      7990      8000
Human          TTTGCTAAACTCATTTAGTAGATCTAATAGTTTTTTTTTATATATTTTCATCAGATTTGCTTGAGAGGGAGTCTCAGTCACC 8000
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                8010      8020      8030      8040      8050      8060      8070      8080
Human          CAGGCTGGAGTGCAGTGACGTGATCTTGGCTCACTGCAACCTGCACCTCCTGGGTCAAGCAATTCCTGCCTCAGCCTC 8080
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                8090      8100      8110      8120      8130      8140      8150      8160
Human          ATAAGTAGCTGGGACTGCAGGTGCACACCACCACGCCAGCTAATTTTTTGCAATTTTCAGTTGAGGCAGGGTTTCACCATG 8160
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8170	8180	8190	8200	8210	8220	8230	8240
 Human TTGCCAGGCTGGTCTGGAACCTCCTGACCTCAAGTGATACACTTACCTAGGCCTCCCAAAGTGTTAAGATTACAGGCGTG 8240
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8250	8260	8270	8280	8290	8300	8310	8320
 Human AGCCACCACCCCAGCCTATGCCATTAATTTTCTACATAGATAATTTATACCCAATGTTTTTAAATAGTTTTCTTTCT 8320
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8330	8340	8350	8360	8370	8380	8390	8400
 Human TTTCTATCTGGATGCCATTTTTTGTCTCCTTTTTTGTCTGTGGTATCCAGTACAATGTTTAATAGAAGTGTGAGAGAA 8400
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8410	8420	8430	8440	8450	8460	8470	8480
 Human TATCTTTTCCTTGCTCCTGATATTAGGGTGAGAACTCTAAAATTTCTTCTTAACTGACACAGTTCCTACTAGTGAAGCCAT 8480
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8490	8500	8510	8520	8530	8540	8550	8560
 Human GTGGGGCCAGATGTTTGTGTTTGTCTCGGGAGGTTTTTAACTACATATTCAACTTATTTAATAGATATAGGGCTATTTCAGTTT 8560
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8570	8580	8590	8600	8610	8620	8630	8640
 Human GTTTAGTTCTTCTTGAGTGAACCTTTGGTAATTTGTATCTTCTGTAGAACTAGTCCATTTCTTTAAGTTGCTGAATGTAT 8640
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8650	8660	8670	8680	8690	8700	8710	8720
 Human TTGTGTAGAGTTGTTTCATGATACTACTATTTTTTTTTTTTTTTTTTTTTTTGAGACGGAGCCTTGCTCTGTCGCCCGGGCT 8720
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8730	8740	8750	8760	8770	8780	8790	8800
 Human GGAGTGCAGTGGCACCATCTCGGCTCAATGCAACCTCCACGTCCCGGGTTCACGCGGTTCCTGCTCAGCATCCCAAG 8800
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8810	8820	8830	8840	8850	8860	8870	8880
 Human TAGCTGGGATCACAGGCACACACCACCACACCTGGCTAATTTTTTGTATTTTTTAGTAGAGACGGGGTTTCACTATGTTGG 8880
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8890	8900	8910	8920	8930	8940	8950	8960
 Human CCAGGTTGGTCTCGAACTTGTGATCTGCCCGCCCTGCCTCACAAAGTGCTGGGATTACAGGCGTGAGCCACTGCGCCAG 8960
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
8970	8980	8990	9000	9010	9020	9030	9040
 Human CCATGATACTACATTTTTTACACTTTTGGTATCTGTTGAATCCTTAGTGATGTCAGCTTTCTCATTCAGTAGGGATAAT 9040
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
9050	9060	9070	9080	9090	9100	9110	9120
 Human TTGTGTCATCTTTTTTCCTTGCTGTCTGGATTGAAGTTTATTGATTTTATTAATCTCCAAAATACCAGCTTTTGGTTTG 9120
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
          9130   9140   9150   9160   9170   9180   9190   9200
Human      AGTTTCTCTGCTGTTTTCTGTTTTCTATTTTATTGATTCTGCTATTTTATTTGTTTTGCTTTGTGGTTAGTTGA 9200
AsianBonytongue ----- 0
Reedfish   ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
          9210   9220   9230   9240   9250   9260   9270   9280
Human      TCTTCATTTTCTACTTAGTTAACATTGAAGTTAATGTCATTAACCTTAGTACTTTTACTTATATAGGGATTATTGCTGTA 9280
AsianBonytongue ----- 0
Reedfish   ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
          9290   9300   9310   9320   9330   9340   9350   9360
Human      TGTTCCTTTTAAAGTACCGCTTTCACGGCATTCCCTCAAATTTTGACACGTATATTTTATTCACTTCAAATACTTTTT 9360
AsianBonytongue ----- 0
Reedfish   ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
          9370   9380   9390   9400   9410   9420   9430   9440
Human      TAAATATTTCTTTGACCCATGGGTTATTGGAAAGTATGTTATTTATGTTATTTAATTTCAAATATTTGGAGTTTTCAT 9440
AsianBonytongue ----- 0
Reedfish   ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
          9450   9460   9470   9480   9490   9500   9510   9520
Human      ATATCTTTCTGTTATGTATTTCATAATTTTAGTTTTATTCTGGCCAGAGAACATATTTTCTAAGACTTGGATCTTTGTAAA 9520
AsianBonytongue ----- 0
Reedfish   ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
          9530   9540   9550   9560   9570   9580   9590   9600
Human      CATGGAGACTTGTTTTGTGGTCCAATATATATGTTGTTAAGTATTCACTGAATACTCTGATGATTCTCTGCAGATTGG 9600
AsianBonytongue ----- 0
Reedfish   ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
          9610   9620   9630   9640   9650   9660   9670   9680
Human     AGAAATCTCTGTGCAGTTCTTTTCTCTGGTACTTTGACCTGTATGTAAACTCTAGTTACTTTGGTCTTCTCAGGCTCTTG 9680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          9690   9700   9710   9720   9730   9740   9750   9760
Human     GCTCTTTCACAATTAAGTAGTCTTTGAGGCTCAGCCTGCTTTCCTCATAGCTATGCTATGGCCTGGACACTCAAGGGAG 9760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          9770   9780   9790   9800   9810   9820   9830   9840
Human     TATAAGCTGAGGCAAACATGGACTCATTGTGTTTTCTAACTTTCAGGGATTATTGTCCATCATTGCCTGATGTCCAGTGTC 9840
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          9850   9860   9870   9880   9890   9900   9910   9920
Human     TTGAAAAGCAATTATTCTGTATAGTTGCTTGATTGTTTGGTGTGTTTCGGCGAGGCAAATCTGGGTCATGTTATTCTGT 9920
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          9930   9940   9950   9960   9970   9980   9990  10000
Human     CTTGACTGGAAGTAGAAGTCCACTGTTTTTTTTTAATTACATAAATGGTCTCAGCAGTTGTAGATCTACCTCATTCCTTT 10000
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
        10010   10020   10030   10040   10050   10060   10070   10080
Human     GTTAATGACAATGGAGGATACTCGTGTGGCTGCACCACAGTGTAGTTACTGGACATACCACAATTTAGTTTCTTACATCG 10080
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
      10090   10100   10110   10120   10130   10140   10150   10160
Human  ATGGACATTTAGGTTTGATTCCAGTTTGTGTTATAACATGTGGACATATTTAGAAATAGAAGTAAAAATGCTGTGTCAAA 10160
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      10170   10180   10190   10200   10210   10220   10230   10240
Human  TGAAATTTATACTTAAAGAGTTACTGAAAACCACAATGCCAGAACACTCATTGTGTTTTTCCACAAGTGTGTATGGGAGTGC 10240
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      10250   10260   10270   10280   10290   10300   10310   10320
Human  CTATTTTCCATACCCTTGGCAATTCTAGGTTTTATCAAAATTTAAGAATACTAGCTTATTTTACACTAAAAATTATTTT 10320
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      10330   10340   10350   10360   10370   10380   10390   10400
Human  GTAATTTATATTTTGAATGGGTGAGGTTTTTCAGATTTGGTTATTTATATTTTCATTTTCTGTGAACTGCCTGTTTGTGT 10400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      10410   10420   10430   10440   10450   10460   10470   10480
Human  ACTGGACCTAGTTAATTCAAATATATATATTTGAATTAAGTGATTTTATTGTTTAAAGTCCATTTGATGTGTAAACATTT 10480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      10490   10500   10510   10520   10530   10540   10550   10560
Human  TTAGCCTCAGCTTCTTCACCTTTTAAATTAGGATTTAATAGTTCACAAACTAGGCTAATGTTAATGTATTTACATTT 10560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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```

Majority -----
                10570   10580   10590   10600   10610   10620   10630   10640
Human          AGAATATCCAAGTTTTTATGGCTTTAGGATACAAATGAAATCTCATTTTCCATTATTTTATAAAATTTGCTGTATTCAGCT 10640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                10650   10660   10670   10680   10690   10700   10710   10720
Human          TTTCTTGATTTTAGACTTTTTTTGTTAGCTCAGTGAGACTATTAAGAAAGAATATTTGTGAGTTTGTAAATAGGAGATTT 10720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                10730   10740   10750   10760   10770   10780   10790   10800
Human          GTTGCAATTTCTTTAAAATGGCTTTTTATATTCTTCGTAATTTGTAATATCAGGGGTGTCATTTCTGTACTCTTAACCATT 10800
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                10810   10820   10830   10840   10850   10860   10870   10880
Human          TTGCCAATGTGAAATCCTTGCAAAGTAATCGGCCTATTACTTGGGAAGACAGAATTGTATGAAATGACTGTAGAATAATT 10880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                10890   10900   10910   10920   10930   10940   10950   10960
Human          CAGGATGGTCCCAATACGGTAAAATGTTAACTTTT TAGATGTAGATTTTAAAGTATGGTGAAATTTGTAGCAGTGTCTTT 10960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                10970   10980   10990   11000   11010   11020   11030   11040
Human          TAGTAAGTTAACTATTAATATATCAAGACCTATAACTGGACAACATAAATAACCTGTTTCTTAAAATGTTAGCTTTTT 11040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

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```

Majority -----
                11050      11060      11070      11080      11090      11100      11110      11120
Human          CTAAATATTCTGAAAGTACTGGTTGTAAATTGCTGAACTCACAAATTTAAATTATGATATGACTATTGAATTCATCCTCAT 11120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                11130      11140      11150      11160      11170      11180      11190      11200
Human          TGGCTTGCATAGAAAATTACAATCAAATAATGCTAAATGTAACCTTTTTTGGTAATAGTTGTGTGTAACGGTTGTTTCATT 11200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                11210      11220      11230      11240      11250      11260      11270      11280
Human          ATAGATGTGTTATTCAAACCTTTGGGTTTTTAGGTTTTGACTTTTCTTAAAATACTTTTCTTAAATGCTACTTAATGCTT 11280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                11290      11300      11310      11320      11330      11340      11350      11360
Human          TCTCTAGGGTATTTTTATTAGAATTTCAATTAACAGATATTTTGATGTCTGCGAAATGACAGTACTATGTTAGAAATTGA 11360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                11370      11380      11390      11400      11410      11420      11430      11440
Human          TGTATTGGCTCCTTGAGGGCAGTGACCCTATTTGTTATGTTTGTTCCTCAATCATTAAATAGTACACATATTAATAGTAC 11440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                11450      11460      11470      11480      11490      11500      11510      11520
Human          ATATACACTTAATATTTAATAACTCTTAGAAGTGCATAGGCTTTAATATGCTCATACTCTAATGAGCCATTTATCAATA 11520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```


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```

Majority -----
      12010   12020   12030   12040   12050   12060   12070   12080
Human  AAGTATTATCTTATAGTTTGTAGGTGAGAAATCTGACACAGGTGGGCTAAAATCAAGGTGTTAGCAGGGCTGTGTTCTCT 12080
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12090   12100   12110   12120   12130   12140   12150   12160
Human  TTTTGCAGGATCTGGGGGAATTTGTTTCCTTGACATAACTCGGCTGTTAGCTTCATCTTCAAAGAAGGAATGGCAAAGA 12160
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12170   12180   12190   12200   12210   12220   12230   12240
Human  AGACTCTGTCTCACATCACATCACTCCGACACATTCTTGTGCTCCGTTTCCCACTTACAGGGACCTTGTGATTACAATG 12240
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12250   12260   12270   12280   12290   12300   12310   12320
Human  GGCCCAACTACATAATAGAGGATAAATGTTTAAATTACAAATTAATGAAGTGGCAACTGAAACAAGTTTTAACCTATTCT 12320
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12330   12340   12350   12360   12370   12380   12390   12400
Human  CAAGAAAGGGCTTTGCTGGAATGGTGGCTCACACCTGTAATCCCAGAACTTAGGGAGGCTGAGGCAGGCAGATCACTTGA 12400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12410   12420   12430   12440   12450   12460   12470   12480
Human  GCCCAGGAGTTTGAGACCAGCCTGGTCCCTCATAGCAAGACCCCATCTCTACAAAACTTTTAAAAATTAGATAGATCTGG 12480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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```

Majority -----
      12490   12500   12510   12520   12530   12540   12550   12560
Human    TGGCATGGGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGACAAGAGGATCACCTGAGCCCAGGCGGCAGTGAGCTATGAT 12560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12570   12580   12590   12600   12610   12620   12630   12640
Human    TGTATCACTACACTCCAGCCTGGGCGAGAGGAGATCCAGTCTCAAAAAAAAAAGGAAAAGGGCTTTCCTGAGGGTCAAATG 12640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12650   12660   12670   12680   12690   12700   12710   12720
Human    AAGTACAGTTGACCCTTGAACAACATGATTTTGAATTACACAGGTCCACTTATGCATAGATCCACTTATACAGAATTTTC 12720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12730   12740   12750   12760   12770   12780   12790   12800
Human    TTCTCCCTCTTCCACCCAAGACAGAAAGACCAACTCGTCTCTTTCCTCCTTAGCCTACTCAGCGTGAAGACAGTCAGGAT 12800
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12810   12820   12830   12840   12850   12860   12870   12880
Human    GAAGACCTTTATTATGACTGATCTCCAAAAGATTGGCTTCAGTATTTTCATGGAGTGCTATGAATTAGAATCCTGAGTCT 12880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      12890   12900   12910   12920   12930   12940   12950   12960
Human    CTATATTGTTAATTATTTTAGTCTCTTGGTCTACGTGTGTTCCTAAACTGTAGTAGCTTCTTAATTTAGTTCTAGGCAT 12960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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```

Majority -----
      12970   12980   12990   13000   13010   13020   13030   13040
Human  ACTACATTAGGGGATAAGGTGGTTAAGTGATATTTTCACCTTAAAAGTAATAAGGTGTCACAGAAAGTTATCACGAGATT 13040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      13050   13060   13070   13080   13090   13100   13110   13120
Human  TTTTGTGAGCAGTACTTCTTTTTTAAAAC TATTATAATGAATTTTAGACACAATAGTATCATGAACCATTGTGTATCTATC 13120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      13130   13140   13150   13160   13170   13180   13190   13200
Human  ATTCAGTCCCCAAAACCATTAGTAACCCATAGCTAAAATGATGATATCCACACTCTGCTTTTCCACTTCTGTTATTTTGA 13200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      13210   13220   13230   13240   13250   13260   13270   13280
Human  GATAAATTTTCAGATATTCATATGTTTTATCTGTAAAGGCTTCAGTGTATATCTTTAAAGAATAGGGACTCTCCTCTCCT 13280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      13290   13300   13310   13320   13330   13340   13350   13360
Human  TTTTAAAATATAATCAAAGACTGTTAGGACACACACAAAAGTTACCTCATATTATAAAATGTCAAATTTGTATTTAAA 13360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      13370   13380   13390   13400   13410   13420   13430   13440
Human  TTTCTAATTGTCTCATAAAAGTCATAGTATTTTTATAGGGTTTTTTTTTTTAGTGGGGGAAGGAGTCACGATAAAATAAG 13440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority	-----								
	13450	13460	13470	13480	13490	13500	13510	13520	
Human	ATCAGCAAATTTAACAGGTCGTTATTACCTCTTAAATATCTTTTAAATGTACAAGCTCTCCGTTCTGTTTTTGTTTTTT								13520
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	13530	13540	13550	13560	13570	13580	13590	13600	
Human	TTTTAAGTTGCATTTTCATTTGTTGAAGAAAACGGTTATTGGTCTTACACAGTTGCCTATAGACTACATTTACTGATTGC								13600
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	13610	13620	13630	13640	13650	13660	13670	13680	
Human	GTTATGATTTTGTAATTTAGTATGTTTTCCATATTTCCAGTAAATGGTAGTTAGATCTAGAGACTTGCTCAGGGTCTCT								13680
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	13690	13700	13710	13720	13730	13740	13750	13760	
Human	ATTTTTTTGGTAATATTTTAAAGTGGTGGGTTTTTATTTCTGTTAGACATGGTTTCTGACTTTTTCGTGTATGTCATGTTT								13760
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	13770	13780	13790	13800	13810	13820	13830	13840	
Human	TTCCCAGGAACATTTCTTATACTTTACCTTGTTTGCTAGGCATAGTCTGTGCTCAATAATTGCTCTCTTTTTTTTCT								13840
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	13850	13860	13870	13880	13890	13900	13910	13920	
Human	TTTTTTTTTTTTTTTTTTCCTGCTTTTTGAGAGACAAGAGTCTTGCCCTGTTGCCAGGCTGGAGTGCAGTGGCCCAATC								13920
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority	-----								
	13930	13940	13950	13960	13970	13980	13990	14000	
Human	TCAGCTCAGTGCAACCTCTGCCTCCCGGATTCAAGCGATTCTCCTGCCTCAGCTTCCCAAGTAGCTGGAACCTACAGGCGC								14000
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	14010	14020	14030	14040	14050	14060	14070	14080	
Human	CTGCCACTACACCTGGCTAATTTTTGTGTTTTTAGTAGGGATGGGGTTTCACCACGTTGGCCAGGCTGACTTGGAACCTCC								14080
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	14090	14100	14110	14120	14130	14140	14150	14160	
Human	TGACCTCAAGTGATCTGCCACCTTGGCTTCCCAAAGTGTGGGATTATAGGCATGAGCCACTGTGCCTGGCCAATAAGT								14160
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	14170	14180	14190	14200	14210	14220	14230	14240	
Human	GTCTCTTAATGAGTATCTTAAAGGATATCTAAAAAGAAATGTAACCTAAAATTACATAATAGTAATACTATAACAGTAT								14240
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	14250	14260	14270	14280	14290	14300	14310	14320	
Human	TAACATTTAATGTAAGTTGGAACCTATTGATGGTGGACAAGAATGTTTTCTTGTCAAGAACATACGATTTAGAATGAAAAG								14320
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	14330	14340	14350	14360	14370	14380	14390	14400	
Human	ATGAGGGTTTGACTTTTATAGCATTGAACAGGTTAACCTCTGAGCTTCAGTTTTTATACATTTTTAAATGGTTTCAGTTGT								14400
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
      |-----|
      |14410  14420  14430  14440  14450  14460  14470  14480|
      |-----|
Human  ACCTACTTCCAAAATTATTTTGAATGTTAGATGAGATGAGGAAAAGACTTATGCTGAAAGGATGAGAATGGTTGTTGTTG 14480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      |-----|
      |14490  14500  14510  14520  14530  14540  14550  14560|
      |-----|
Human  TAGTTCCTTTAATCTGTAAATCTACATTTGGAAGGAACACTTTTATGGAAATCAAATACAGTAAATTAATTTCTAAGAGGT 14560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      |-----|
      |14570  14580  14590  14600  14610  14620  14630  14640|
      |-----|
Human  CCTGGAGTTCAGGTTAAAAATAGCCTCAGACAGCACTAAATATCTTTATTAGTGAACAAAAATAAAAAATAACTTAGAA 14640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      |-----|
      |14650  14660  14670  14680  14690  14700  14710  14720|
      |-----|
Human  TTTAGCACAGAGAAGCAAAGAGATGAAAAATAGGAGAAGCGTTAAAAATGTGTTGGAAAGGAAGAGAAAGTTCTAACAAACA 14720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
      |-----|
      |14730  14740  14750  14760  14770  14780  14790  14800|
      |-----|
Human  TCTAATTAGCGTTCAGAAATTAAGATTGCAGAAAGGCCAAAATTTGAAATGCTAAAGGCTGATAATTTTTCAGAATTGG 14800
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      |-----|
      |14810  14820  14830  14840  14850  14860  14870  14880|
      |-----|
Human  TGAGCTATATGAGTTCCTTAGATTTAGGAGGCACAAGAAAACCTGGACACATAACAGTAAAAGAGCAGAGCACCAAGACA 14880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
      14890   14900   14910   14920   14930   14940   14950   14960
Human TAGAGATCTTTAAAGCAGCCAGAGAAAATCAGATTCCCTAAAGAATAAGAAGTCTTAATATGCTTCATCAGCA 14960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      14970   14980   14990   15000   15010   15020   15030   15040
Human TGGGCATCCAGAAGATAGTGGAAATAATATTTCAATGTGTGAGTGAAAATAGCTGCCACCTGTTATTTTATAGCCAGC 15040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      15050   15060   15070   15080   15090   15100   15110   15120
Human CAAATTATCATATAAGGAGAAGAACAAAATAAAGACACTTTTTGAAACACGTCATTCTGCCTCCAAAAAAGCAATTTAGG 15120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      15130   15140   15150   15160   15170   15180   15190   15200
Human AAATGTATCAACAGACCCACTGAAGGAATTTCTGGAGTTTGTACTTCAGGAAGAAAGCCAATGACACCAGAAAGGAAGTC 15200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
      15210   15220   15230   15240   15250   15260   15270   15280
Human TGATATAGAAGTGAGGCTAATCAAGAAATTTGGTAGGTCTGTGAGTAAATCTAATTACTGACCATATAAGAATGTAATAGC 15280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      15290   15300   15310   15320   15330   15340   15350   15360
Human AGTGATTGATAAGGGGTTTAAAAATAGAATTAAAAATATTTAAATCATAACAATATGTGAGAGAGTGGTAGAGACTGGA 15360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
      |-----|
      |15370  15380  15390  15400  15410  15420  15430  15440|
      |-----|
Human  GTTTGAGTTCTGATGATCTAGTATTGATTGGAGCTGTGTTGTCAGTTACAGTAGCTACTAGTCATTTGTTACTGAGCACT 15440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |15450  15460  15470  15480  15490  15500  15510  15520|
      |-----|
Human  TGACATGTATGTAGTTTAAGTTGATCTTCTACTTAAATTGAAAAATACACATTTCTGAGCCTTAGTCTGAAAGAAGAAATGT 15520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |15530  15540  15550  15560  15570  15580  15590  15600|
      |-----|
Human  AAAATATCCCAAGTTTTTCATATTGGTTACATGTACAGCGGATAATATTTTGGTATTTTGGGTAAATGAAATACATTATG 15600
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |15610  15620  15630  15640  15650  15660  15670  15680|
      |-----|
Human  TGTGTTGCCTTTTCCTCTTTTTTCCTTTCTTTTTTAAGATAGGGTCTTGCTCTGTCCACCAGGCTGGAGTGCCGTGGC 15680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |15690  15700  15710  15720  15730  15740  15750  15760|
      |-----|
Human  ATGATCATGGCAGCCTCAACCTCCTGGGCTCCAGTGACCCTCCACCTCAGCCTCCCAAGTAGCTGGGACTACAGTTGTG 15760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |15770  15780  15790  15800  15810  15820  15830  15840|
      |-----|
Human  TGCCACCACACCTGGCTAATTTTTGAGTTTTTTTTTGTAGAGACAGCGTCTCGCTGTATCGCTTAGGCTGGTCTCAAAC 15840
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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```

Majority -----
                |-----|
                |15850|15860|15870|15880|15890|15900|15910|15920|
                |-----|
Human           CCTGGGCTCAAGTGATCCTCCTGCTTTAGCCTTGCAAAGTGCTGGGATTACAGGACTGAGTCTGGCCACCTTTTCTTTC 15920
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |15930|15940|15950|15960|15970|15980|15990|16000|
                |-----|
Human           TTTCTTTTTTTTTTAGACGGAGTCTCCCTTTGTTGCCAGGCTGGAGTACAGTGGCTCTATCTCTGCTTCCTGCAAGCTC 16000
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |16010|16020|16030|16040|16050|16060|16070|16080|
                |-----|
Human           TGCCTCCTGGGTTACGCCATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCGCCTGCCACCACACCCGGCT 16080
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |16090|16100|16110|16120|16130|16140|16150|16160|
                |-----|
Human           AATTTTTTGTATTTTTAGTAGAGATGGGTTTTACCATGGTCTCGATCTCCTGACCTCCTGATCTGCCACCCTGGCCTCC 16160
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |16170|16180|16190|16200|16210|16220|16230|16240|
                |-----|
Human           CAAAGTGCTGGGATTACAGGCGTGAGCCACTGCGACCGGCCACTTTTCTTTTACTTTTAAAAATGTGGCTAATAGAA 16240
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |16250|16260|16270|16280|16290|16300|16310|16320|
                |-----|
Human           ATTTATGAGATTATATTTATGGTTCATACTACGTTTCTTTTGGACAGTGCCAGAGTGAATCAGATAAGCTTGCATTTTAA 16320
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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```

Majority -----
                |-----|
                |16330|16340|16350|16360|16370|16380|16390|16400|
                |-----|
Human           |AATCCTAAGGGTAAATGCAATAGAGATAGAACGCAAATAATTGGGGAGGGGGGTTGACTGAAATTAAGATGTATAATCC| 16400
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |16410|16420|16430|16440|16450|16460|16470|16480|
                |-----|
Human           |AAAAGAAGGCAAAAAAAAAGGAAAGACACAAAGTGAGCTTATATGTTAATAGCGTGGAAGGTTCTATGAAGGGTTGTTT| 16480
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |16490|16500|16510|16520|16530|16540|16550|16560|
                |-----|
Human           |AGAGCCTTTAAGGGCAAATTTTCTTGCTGCTGGTTGCAGGAAAGAGTGGCATTGTTTTTGTTCACCTTTTAAAGCTACAAAA| 16560
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |16570|16580|16590|16600|16610|16620|16630|16640|
                |-----|
Human           |ACAAGTAATGATGAGGAAAATTTGGGACATGTTGAGGAAGTAAGTAATTTTTTGAATGTAGGTTGAGTTAGAGTAGTAGA| 16640
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |16650|16660|16670|16680|16690|16700|16710|16720|
                |-----|
Human           |AGACAAAATTTAAAAAGTAGTTTTTGACAGTAATATGGAGAGCTTTGAGTGCAAAGGATTTGCAGTGAGGACCTTTGAAA| 16720
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |16730|16740|16750|16760|16770|16780|16790|16800|
                |-----|
Human           |ATTGAACCTGCTTTCTCCTATCAGTATTTATGTTTAAATAAACTTGATTCTTTGTGAGTATTGTTATATATGTTTTTCATA| 16800
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

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```

Majority -----
                16810   16820   16830   16840   16850   16860   16870   16880
Human          ACTACTGTTGTAGTAACGTTTCTTTTTTTTTTACTAGCTTGCTTTCATGCCACGCTGTTGATTAAATATTTATGGGCCATT 16880
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                16890   16900   16910   16920   16930   16940   16950   16960
Human          TTAAGGCTTCTAATCTTCATTTGTGATGAACCTTTTGAGGAAGAGTTAGGTTTTGTAAGTGTGAACTCCAATAAACACAG 16960
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                16970   16980   16990   17000   17010   17020   17030   17040
Human          TTCCACTTTCCTTAACTTCTCAGAAAGATACTTTTGCTATTTGATACAGATAGTTGTCTAGGCAAGCTATTAGCAGGGTTT 17040
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                17050   17060   17070   17080   17090   17100   17110   17120
Human          CAGGTAAGACATATGTGTTTGCTATTTGTTTTAAGCACTCTCCCTCATTATTCAAATTGTAGCAAACATCTACTACAC 17120
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                17130   17140   17150   17160   17170   17180   17190   17200
Human          CCATTTCAGTCTTTGTCTTAATAGTTCAACTATTATAAAAAGGAGTGGTATATATATATAAACTCTTGCTTGGCTT 17200
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                17210   17220   17230   17240   17250   17260   17270   17280
Human          TGGTTTGATTGAATTAATAAGGTGAGTTTTTTTTGTTTGTGTTTTGAGATGGAGTCTCGCTCTGTTGCCAGGCTGGA 17280
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

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```

Majority -----
      17290   17300   17310   17320   17330   17340   17350   17360
Human  GTGCAGTGGTGGGATCTCGGCTCACTGCAGGCCATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTGCAGGTGCCTGC 17360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      17370   17380   17390   17400   17410   17420   17430   17440
Human  CACCACACCTGGCTAATTTTTTGTATTTTGTAGTAGAGATGGGGTTTACCGTGTTAGCCAGGATGGTCTAGATCTCCTGA 17440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      17450   17460   17470   17480   17490   17500   17510   17520
Human  CCTTGTGATCCGCCCGCCTCGGAAATACTTTGCATTGTTGGATTGATTGGGTTTGAGCCCTGTGTACTTAAGTGATTA 17520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      17530   17540   17550   17560   17570   17580   17590   17600
Human  TGAACAAGTCTTTTATAATCTGAATTTCCCTTTCCTAGTTTGTAAATATTGAGGATAATAATTTCTAACTTGCATGATTGT 17600
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      17610   17620   17630   17640   17650   17660   17670   17680
Human  TGTGAAGATTAAATAAGACAATGATATTGGTAGGAGCTCTTTATAATCTTTCTCTCTTATGTACAATTCAAATATATGTC 17680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      17690   17700   17710   17720   17730   17740   17750   17760
Human  GGTTTAAATACCAAAATACCACCTTTAAAAAATCTGGGCTGAAATGGACACTTCTAATGTAGGAGTAGTGCTTTAGAAAAT 17760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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```

Majority -----
                |-----|
                |17770|17780|17790|17800|17810|17820|17830|17840|
                |-----|
Human           |AATGCTTTGTTTCGTATTCTTTTCCTAGTATTTTATGTCTAGTAACTCATAAGGAAAAAATGATCAGATAAGTATATTTT| 17840
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |17850|17860|17870|17880|17890|17900|17910|17920|
                |-----|
Human           |TTAGATGCTGATTACAGCATTATTTAAATAGTAGAAATAACAACTGTTTCAGTGATAAGACAATGAATAAAATCTGTTCAT| 17920
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |17930|17940|17950|17960|17970|17980|17990|18000|
                |-----|
Human           |AAACATTACAAATGTTTTTTAAATATTTTTCATATGTGTGAAAAGTAGGATTTAAAATAACTTTGACAAATGCATACAAT| 18000
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |18010|18020|18030|18040|18050|18060|18070|18080|
                |-----|
Human           |TTATATGTGTCCCCAAAAGCTGGAGGGCAGTGTACCAAAATAGAGTAGTTTTTCTCCAGGTTGATGGGATTAGTTTTTTTGT| 18080
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |18090|18100|18110|18120|18130|18140|18150|18160|
                |-----|
Human           |AATTCCTTATATATTTTCTCTATATTTCCACATTTTAAGTATTTTATGATAAAGTTATTAATATTGATAAAGTTATTAATG| 18160
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

```

Majority -----
                |-----|
                |18170|18180|18190|18200|18210|18220|18230|18240|
                |-----|
Human           |TTGCTTAATTGATTAAACCCTGATATTTTCTTGTCTTTTAAAAAACGTTGCATAACTTGATATAAATCTTTTAAATTGT| 18240
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0

```

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```

Majority -----
      18250  18260  18270  18280  18290  18300  18310  18320
Human  ACAAAAAAACACATAAAATTTACTATCTTAACCATTTTTAAGTGACTTAAATTGTTAATTATTCTTATACGTACTT 18320
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      18330  18340  18350  18360  18370  18380  18390  18400
Human  AATAATATTACATTGCAAAACCCATCTCCAGAACTTTTTGGAGAAGTAACTCTATACTGATTTTAAAACTCCCTCTTT 18400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      18410  18420  18430  18440  18450  18460  18470  18480
Human  TGTCTTCTGCTGGTAACCAGCATTCTATTTTCTGTGTCTATGAATTTGACTACTTTAAATACCTCACATAAGTGGGAATT 18480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      18490  18500  18510  18520  18530  18540  18550  18560
Human  ATACAGTATAGGTTAAGCATCCCTAATCTGAAAATCCAAAGTCTGAATGCTACAAAATCTGAAACTGGTGTGTGTTTTTT 18560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      18570  18580  18590  18600  18610  18620  18630  18640
Human  TTTTTTTTTTTTTTTTTTTTGAGACGGAGTCTTACTCTGTGCGCCAGGCTGGAGTGCAGTGGCGCGATCTCTGCTCACTG 18640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
      18650  18660  18670  18680  18690  18700  18710  18720
Human  CAAGCTCCACCACCCGGGTTACGCCATCTTCTGAGTAGCTGGGACTACAGGCGCCCGCCACCACGCGCCGGCTAATTTT 18720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

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```

Majority -----
                |-----|
                |18730|18740|18750|18760|18770|18780|18790|18800|
                |-----|
Human           |TTGTATATATATATATATATTTTTTAGTAGAGACGGGGTTTCACTGTAGCCAGGATGGACTCTTATCTCCCACCTCGTGAT| 18800
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |18810|18820|18830|18840|18850|18860|18870|18880|
                |-----|
Human           |CCGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCCTGAGCCACCGCGCCTGGCCAATCTGAAACTTTTTGAGCAC| 18880
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |18890|18900|18910|18920|18930|18940|18950|18960|
                |-----|
Human           |TTACTTGATGCTCAAAGGAAGTGCTTAGTGGAGCATTTTGGATTTTAGATTTTCAGATTAGGAATGCTCAGGTTGTGTTT| 18960
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |18970|18980|18990|19000|19010|19020|19030|19040|
                |-----|
Human           |GTCCTTTTGTGACTGGCTTATATTCACTTAATATAATGTCCTCAGGGTCCATCCATTTTGTAGCATGTGACAAGATTTC| 19040
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |19050|19060|19070|19080|19090|19100|19110|19120|
                |-----|
Human           |TCCCTTTTAAAGGCTACATAGCATTCCATTGTGGTACACAAAAGTTCATTTGAAGCCCCCTGTGTCATAACTCAGACTTC| 19120
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |19130|19140|19150|19160|19170|19180|19190|19200|
                |-----|
Human           |CATAACAAAATACCATAGACTGAGTGACTTAAAAACAGAGATTTCGTTTTCTCACAGTTCTGGAAACTGGGAAGTCCAAG| 19200
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```


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```

Majority -----
                19210   19220   19230   19240   19250   19260   19270   19280
-----|-----|-----|-----|-----|-----|-----|-----|
Human    ATCAAGGTACCAGCAAGGCAACTTTCCTTCTGAGGCCACTTCTCTTGAAGTGAGGCCACCATTTTACTTTGTGTGCCTCA 19280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                19290   19300   19310   19320   19330   19340   19350   19360
-----|-----|-----|-----|-----|-----|-----|-----|
Human    CATGACCTTTTCTTTGTGAGCACACTTTGGGGGAGTGGGTGGCAGAAGCTCTCTGGTATTTCTTCTCATAAAGGCATTAA 19360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                19370   19380   19390   19400   19410   19420   19430   19440
-----|-----|-----|-----|-----|-----|-----|-----|
Human    TCCCATCATGAAGGCCTTACTCTCATGATCTCATGAAATCCTCCAGTTAACTCCTAAAGGCCCTGTTTCAAATTCATC 19440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                19450   19460   19470   19480   19490   19500   19510   19520
-----|-----|-----|-----|-----|-----|-----|-----|
Human    ACATTTGGGGTTAGGACTTCAGCATGTGATTTTTGGGGAAACATAAGCATTGAGTTGATAATACCCTGCATATAGTTGAC 19520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                19530   19540   19550   19560   19570   19580   19590   19600
-----|-----|-----|-----|-----|-----|-----|-----|
Human    CCATACTTCTCCACTCCAGGTAATTACTATACTAAATTTGATGTTTACCATTCCATAAAATTTCTCATTTACTACATGTT 19600
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                19610   19620   19630   19640   19650   19660   19670   19680
-----|-----|-----|-----|-----|-----|-----|-----|
Human    TATGTATTTTATCTTAAGCAATATATGGTTTTGTTTTGCATGTTTAAACTATAGATGTACTATCATGCTGTATGTATTC 19680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                |-----|
                |19690|19700|19710|19720|19730|19740|19750|19760|
                |-----|
Human           |TGTAATTTGCTTTTCTTGTTTCAGTGTTATTTTGTAAAGTTTATATATATATATATATTTTCATTGCCATATAGTATATGAT| 19760
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                |-----|
                |19770|19780|19790|19800|19810|19820|19830|19840|
                |-----|
Human           |ATATGAATATATCATCTTGACAAATGAGTTAATATTTGACGAGATTGATTGTCAAATATTTTAAATTTTTTCCATTAC| 19840
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                |-----|
                |19850|19860|19870|19880|19890|19900|19910|19920|
                |-----|
Human           |AAACTGCTACTGTAAGCATTAAATATGCATATTCTAACGTGTTAATATTAGAGTTTCTCATAGATTGTGTCTTTTCAAATC| 19920
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                |-----|
                |19930|19940|19950|19960|19970|19980|19990|20000|
                |-----|
Human           |GATTGAATATTAACATATTGCTTTCATAGGTAATTATATTAATTATACTGTTAGCGCTGCATGTAGATTCTTGTTTCTAT| 20000
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                |-----|
                |20010|20020|20030|20040|20050|20060|20070|20080|
                |-----|
Human           |ACATTCTTTGAAAATCGGCATTGTTGGACTTTTTAATTTTGCTGATCAAATGTACATGGGAAGGATATCTTGTGGTTTTTA| 20080
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                |-----|
                |20090|20100|20110|20120|20130|20140|20150|20160|
                |-----|
Human           |ATTTGCATTCCTTATTAATGCAAAAAAAAAAAAAACATTGATTCCTGGGAGTTTTTATATACTGTGCAGACTAATTGTTTT| 20160
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
 20650 20660 20670 20680 20690 20700 20710 20720
 Human CTTGTGTATTTTATTTTAAAAGTTTAAATTTTGATTTTCACATTTATGGCGTTAATCTACCTGGAATTTATTCTTTGT 20720
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 20730 20740 20750 20760 20770 20780 20790 20800
 Human GTAGCATATGTTACAGGTTTAAATTATTTTCTATATGGATAGCAAGCTTAGTATGTACTTGATTGAATAGCTCAGCTTT 20800
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 20810 20820 20830 20840 20850 20860 20870 20880
 Human TCTCCAATGATCTGCTTCTCAGCTCTTCAGGTTTCCGTATATTCACAGAACCATTTCTGTGCTATGTCTTGTAGCAGTA 20880
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 20890 20900 20910 20920 20930 20940 20950 20960
 Human CAACAGTGTCTTAATTACTTATGGCATCAGCATTAAGTTTGGAACTTGTACAGTGAGTGTCAAACCTTTGTTTTTCAA 20960
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 20970 20980 20990 21000 21010 21020 21030 21040
 Human AATTGTCTTGGTGTTTTCTTCACTGCATTTATTTAAGATCATTGGCTAAGTTCTGTGAAGGCTCTTTGGGTCTTATTT 21040
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 21050 21060 21070 21080 21090 21100 21110 21120
 Human ATACTGCGCTTAAATTTAGTAGTTAATTGGGAGAACATTATAGCTGCATTATCAAATAAAATGGCAATTTTTTTTGAGC 21120
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                21130   21140   21150   21160   21170   21180   21190   21200
Human          TGAAAGGCAGAGAACTATAACATTTCTTTGAAGAATTTTCCACTTTCTTCTTCATGGTATTTCCCTAAGAGACATGCTT 21200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                21210   21220   21230   21240   21250   21260   21270   21280
Human          AATGCAGAAAATATATATAAAGGATTTTAAACAGCTTATATGTAAGGGATGAGGGAACAGGGATACTTGGACTAATATTT 21280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                21290   21300   21310   21320   21330   21340   21350   21360
Human          CAATATTTCTAAAATTATTGGTTTATTGAGTACGTTCTTAGAAAACGTGTTTTATTGAAAGCTTCAAATTTCTCAGAATTG 21360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                21370   21380   21390   21400   21410   21420   21430   21440
Human          TATAGCATTTTTGAATTCTCTCTTTTATTACTAATATCAAGCACCTATGTTTTCTCCTATTTCTTGATTGTCTTGTCAC 21440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                21450   21460   21470   21480   21490   21500   21510   21520
Human          AGAATTTATTTTACTGGTCTTTTCAAAGAACCAACCTTTTTACTTGTTTTCTTTTTTGTGGGGCAGTGGAGGGATTCA 21520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                21530   21540   21550   21560   21570   21580   21590   21600
Human          CTTTAATTTGATCCTGAACTCCTTTATTTTCTTTTAAAATGCATTCAAGGTTAAAGGTAATCAGCTGATAGCTTTGGCTT 21600
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                21610      21620      21630      21640      21650      21660      21670      21680
Human          TTTTTTTTTTTTTTACTTTTAGAGTTCCTTTTTATTGTAAACTTCATTTAAAGGTTTAAAGCTACACAAAAGTAGAGG 21680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                21690      21700      21710      21720      21730      21740      21750      21760
Human          GAATGGTATATAATACACTTTTTCTGTGGATAATATTAATGCAAATCTCAGATCATTTTCATATAATCTGCAGATATAT 21760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                21770      21780      21790      21800      21810      21820      21830      21840
Human          CAGAAATGTGTGCTCTCTATTAATGTGACATTGGTACCATTATAAAGTTTAAAATAATTTCTTAATGTCGTCTAATCTC 21840
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                21850      21860      21870      21880      21890      21900      21910      21920
Human          CAGTATTCAGAATACTTTCTTTTCATTATTTTATTTTCTTGCCTTTTCTTTTTTGTGTGTTGTTAGATAAAGTGAGTCAT 21920
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                21930      21940      21950      21960      21970      21980      21990      22000
Human          CTGTACAATTTCCACTTCTGGCTGGGCGTGGTGGCTCACGCCTGTAATCCCAGCACTTCGGGAGGCTGAGGCGGGCAGA 22000
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                22010      22020      22030      22040      22050      22060      22070      22080
Human          TCACGAGGTCAGGAGATCAAGACCATTTTGGCTAACACAGTGAACCTGTCTCTACTAAAAATACGAAAAAATTAGCCA 22080
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
                22090      22100      22110      22120      22130      22140      22150      22160
Human          GGC GTGGTGGGGGGCACCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGTGTGAACCCGGGAGGCGGAGCT 22160
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                22170      22180      22190      22200      22210      22220      22230      22240
Human          TGCAGTGGCGCCACTGGACTCCAGCCTGGGTGACAGAGCAAGACTCCGTCTTAAAAAAAAAAAAAAAAAATTCCACTTTCTG 22240
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                22250      22260      22270      22280      22290      22300      22310      22320
Human          GATTCTGCTGATTGTACCGCTGTGTTGTCATTTTCATATGTTCTTTCATGTAACAAGTTTACCTGAAATACAGGGGTTTGA 22320
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                22330      22340      22350      22360      22370      22380      22390      22400
Human          TCAGACTCTGGTGTAATTTTTACCAAGAATATTTGCAGATGTACTCTATGTAATTCCTGTTGTATGTCAGCTTGCTCCA 22400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                22410      22420      22430      22440      22450      22460      22470      22480
Human          TCTATTACAGAGCGCATCATCCTTTCACCTAATAGTTTTTAGTAGCTAATGATTGCATACTTTTATTAGGTATTGCAAAA 22480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                22490      22500      22510      22520      22530      22540      22550      22560
Human          GTGGCGCTATTCTTTTTTCTGTGTATATTAGAATTCCTTAAGAATTATATCCATCAACTGTTTGGTCATACGTAAGTACC 22560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                22570      22580      22590      22600      22610      22620      22630      22640
Human          TTTTATAAGAAAAGCAGGAGAGAATTTGACTTCTTAAGTTTTCTGATGAGTTGTTACCCTAAAACCTCCAGTATAATCA 22640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                22650      22660      22670      22680      22690      22700      22710      22720
Human          ATATGAGTTCCTTTTTGTGCTGTTAGTATCGTCGCAACAGCAAAGAGTTTAATAACATTTATTTTCTAGTGTATTGCAG 22720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                22730      22740      22750      22760      22770      22780      22790      22800
Human          TAATCATTCTCTTTTTTTTAAATTTCTAAGCTGTTTTATTAATGAAAAGAGAACAATGCTAAGCAGCTTGTATGGTGT 22800
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                22810      22820      22830      22840      22850      22860      22870      22880
Human          GTGTGTTGTGTGGGTTTTATTTTGTATGAATGTAAAAACACGGTGGCTAAAGCCTGTAATCCCAGCATTTTGGGAGGC 22880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                22890      22900      22910      22920      22930      22940      22950      22960
Human          CAAGGTGGTTGGATCACAAGGTCAGGAGCTTGAGACCAGCCTGGCTCTACTAAAAATAAAATGTGGTGAAACCCCGTCTC 22960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                22970      22980      22990      23000      23010      23020      23030      23040
Human          TACTAAAAATACAAAAATTAGCCCTTTGTGTGTCACGCGCCTATAGTCCCAGCTACTCGGGAGGCTGAGGCAGAAAAAT 23040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```


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Majority -----
                23050   23060   23070   23080   23090   23100   23110   23120
Human          TGCTTGAACCTGGGGAGGCTGAGGCAGAAAAATTACTTGAACCCGGGAGACAGAGGTTGCAGCGAGCCGAGATTGCGCCA 23120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                23130   23140   23150   23160   23170   23180   23190   23200
Human          CTGCACTCCAGCCTGGGCAACAGACTGAGATTCCATCTAAAAACAAAACCATGTATATATGTAAGTTTGAGGAAAAGAGT 23200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                23210   23220   23230   23240   23250   23260   23270   23280
Human          TGTATGAAAATTCAGGATAATTAATAAAAGTAAACGAGAACTTCTTTACATATATATATATTTTTTAATTTTCTCAGTTA 23280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                23290   23300   23310   23320   23330   23340   23350   23360
Human          ATGTTTGAATTTTTTTAACGTAGAAAATGTCAATGGGGTTATCTGGGGAGAAAAGATTATAGTCCATGAGTCCCCCTGTTG 23360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                23370   23380   23390   23400   23410   23420   23430   23440
Human          TATATATACCTGTATTAAAATATGCAATAAATGCTATTTTTAAAAAATGTCTTATTACATAGAACAGAAGACCAGAATACT 23440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                23450   23460   23470   23480   23490   23500   23510   23520
Human          AGCTCTCCACGTCTTATGTCTTGATCAGTGAAGATTAGCTAGCAAAACAACCATAACTTAGGGATAGCTTTATTTGTGGG 23520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                23530   23540   23550   23560   23570   23580   23590   23600
Human          AAGTGCATTTAGTATGTCATGTATTAATAAATCATTGTAGTCTTTCAGAGAGCATCTTATCTTTCTTGTAGGTGATAGT 23600
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                23610   23620   23630   23640   23650   23660   23670   23680
Human          ATTGGCTATCTATGTAGTGTCTTAAGTTCTTTAAATTATCCTTATCTTACTTTTTGTGTACATTGTTTATAAAATAATG 23680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                23690   23700   23710   23720   23730   23740   23750   23760
Human          TGATCATCTTAATCTACCATTTTGATTATGGTTTGATCATCTTTTTACTATTTCCACTTGTTAGCAAAGCCTTTTATACTT 23760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                23770   23780   23790   23800   23810   23820   23830   23840
Human          ACTAAATTATGATAAAAATGATTATTATAACATGCCCGTTTTACTTAAATGTCTTATTTAAACGTTCTGATTGTTATTC 23840
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                23850   23860   23870   23880   23890   23900   23910   23920
Human          TTTCTTATTCAGGTTTCTTATTGTCATGTTTTATGTCCTGTTTTTCAGGTGTAATTGTCCTCTCACAAATGTATCCCATTTT 23920
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                23930   23940   23950   23960   23970   23980   23990   24000
Human          GGGTGACAAAATACCTGATCACCTTATCCTTATAGTTTTCTCCCTAGAATCTTTTTTGTATATTAATCAAAGTTTATTT 24000
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                24010   24020   24030   24040   24050   24060   24070   24080
Human          GTGAGAATGTTATGAAATATAAGAAAATGAACATCATGAACCTGTCACCTCAAATAAAAAAACTTGAATGTTACCAATACT 24080
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                24090   24100   24110   24120   24130   24140   24150   24160
Human          ATTGTATATTCATATGCAGCAATATTGCTTTTTTTTTTTTTTAGAGTCTTGCTCTGATACCCACGCTGGAGTGCAGTGGTG 24160
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                24170   24180   24190   24200   24210   24220   24230   24240
Human          TCATCTCGGCTCACAGCAAGCTTCGCCTCCCTGGTTCACCCCATTCCTCTGCCTCAGCCTCCCGAGTAGCTGGGACTTCA 24240
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                24250   24260   24270   24280   24290   24300   24310   24320
Human          GGCACCCGCCACCACACCCGGCTAATTTTTTTGAATTTTTTAGTAGAGACGGGGTTTCACCCTGTTAGCCAGGATGGTTTTG 24320
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                24330   24340   24350   24360   24370   24380   24390   24400
Human          ATCTCATGACCTCGTGATCCGCTGCCTCGGCCTCCCAAAGTGCTGGGATTATAGGTGTGAGCTACTGCGCCCAGCCCAA 24400
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                24410   24420   24430   24440   24450   24460   24470   24480
Human          TATTGCTTTTTAATCCCCCTTCTTACCCTGCCATGGGTAGGTGGCTGCCACAACCTTTTGCCTTATTTTTTCAATATGGAT 24480
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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```

Majority -----
                |-----|
                |24490|  |24500|  |24510|  |24520|  |24530|  |24540|  |24550|  |24560|
                |-----|
Human           |TTTTCATGTAAATGACAAAAATATATTTAGTTTTTTTTTTAGTTTATGGAAACGGTATGCCTATATAATGTTTTCCATGTC| 24560
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |24570|  |24580|  |24590|  |24600|  |24610|  |24620|  |24630|  |24640|
                |-----|
Human           |TTGTGTTTTAATTCAATAATGATTCTAATAAATAGCCGTATTTTTTGGATAGTTTTATAATACTCATTGCTGTGATATAC| 24640
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |24650|  |24660|  |24670|  |24680|  |24690|  |24700|  |24710|  |24720|
                |-----|
Human           |TCTTTTGTGAAAATACCCATTTTATCTTTTATTGGACATTTGGGTTGATGGACATTTGAATATTTAAAGATTTTGACTTA| 24720
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |24730|  |24740|  |24750|  |24760|  |24770|  |24780|  |24790|  |24800|
                |-----|
Human           |GGCCGGGCGTGGTGGCTCAAGCTTGTAATCCCAGCACTTTGGGAGGCCAGGGCGGGCAGATCACAAGGTCAGGAGTTTGA| 24800
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |24810|  |24820|  |24830|  |24840|  |24850|  |24860|  |24870|  |24880|
                |-----|
Human           |GACCAGCCTGGCCAACATAGTGAAACCCCATCTCTACTAAAAATACCATAATTAGCGGGGTATGGTGGTGGGTGCCTGT| 24880
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |24890|  |24900|  |24910|  |24920|  |24930|  |24940|  |24950|  |24960|
                |-----|
Human           |AGTCCAGCTACTCAGGAGGCTGAGACAGGAGAATCGCTTGAACCCAGGAGGCGGAGGTTGCAGTGAGCTGAGACCGCGC| 24960
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

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```

Majority -----
                24970   24980   24990   25000   25010   25020   25030   25040
Human          CATTACACTCCAGCCTGTGTGACAGACTGAGACTCCATCTCAAAAACAAACAAAAAAAAACAACAACAAAAAAGATTTT 25040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                25050   25060   25070   25080   25090   25100   25110   25120
Human          GACTTTAAGAACAAATACTGCTGTGAACTTCTTTGTACTTGTTCCTGGTGCATTTATGCAAGCGTTTTTGAGAGGGTATA 25120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                25130   25140   25150   25160   25170   25180   25190   25200
Human          TTTAAAGGTATAGGTATATATTACTAGTGTGTAATAAACTTTATGAGACAGTACTAGATTATTTCCAGTGTATTGTT 25200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                25210   25220   25230   25240   25250   25260   25270   25280
Human          CCTATTTATGTTCTCACCAGTAGTGCGTAGGAGTTCTTGCTGTTTCAGATCCCCACCAGCACTGGCTAGGTATTTAATT 25280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                25290   25300   25310   25320   25330   25340   25350   25360
Human          TCTTAATTTTAAACAATTTGGTGTGTAGTATATTCTCTGGTCTTCCTTTGTCTTACCCTGATTATTAATGAGGTCTTACA 25360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                25370   25380   25390   25400   25410   25420   25430   25440
Human          TCTTTTTTCCCCCACATTTATGGCCATGGATGTTTCTCTTTTGTGAAATTCGTGTAATGCCTATTTGTGTTTTTTGCT 25440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                25450   25460   25470   25480   25490   25500   25510   25520
Human          TGATAAAATGTGAGCTTATTATTTAACTGATTTTGTAGTTTAAAAAATTGCTGGGGCGGTGGCTTGCCTCTGTAATCT 25520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                25530   25540   25550   25560   25570   25580   25590   25600
Human          CAGCTTTTGGGAGGCTGAAGGAGGAGGATTGCTTGTGGGGCCAGGAGTTTGAGGCTGCAGTGAGCTATGATCGTTCCA 25600
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
                25610   25620   25630   25640   25650   25660   25670   25680
Human          TTGCACTCTAGCTTGGTGACAGAGCAAGACTTTGTCTGAAAAAAAAAAAAAAAAAAGTGTGTGTTTTACAGTTACTGATT 25680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

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Majority -----
                25690   25700   25710   25720   25730   25740   25750   25760
Human          GTCTTTTGGTTATTTGTGTTGCTGGTGTCTTTTCCCAGTTTGTAGCTTGCCTTGTCACTTCTTTATGCTGTCTTGTCTGT 25760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                25770   25780   25790   25800   25810   25820   25830   25840
Human          CTGTCGTGTCTCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCT 25840
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                25850   25860   25870   25880   25890   25900   25910   25920
Human          CCCTCCCTCCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTACTTTACTTTAGATTTCAGGGTTACATGTGCAGGTTTGTTA 25920
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
25930	25940	25950	25960	25970	25980	25990	26000
 Human CATGGGTATATGGCATGAAGCTGAGGTTTGC AATAACAAGTGATCCTGTCAGCCAGAGAGTGAGCTCAGTACCCAACAGTT 26000
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
26010	26020	26030	26040	26050	26060	26070	26080
 Human AGATTTACAATCCTTTCTCCCTCCCCCACCAGTCCAGTGCATATTGTTGCGGATTAATACAGATTCTTAAATGTA 26080
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
26090	26100	26110	26120	26130	26140	26150	26160
 Human TAGTTTTAATGTGGCCACAAATCCCTTTGCATCTTAGATAAAAATAATTTATATGATCCCATTCTTTACACATTCCAAA 26160
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
26170	26180	26190	26200	26210	26220	26230	26240
 Human TTTTCCTTTGCTCTTCTGGACATCTTCCATGTTGATTGCTGGAAGTCTTGAAGGCAATCCCAAATAACAGTTTTTAGCTT 26240
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
26250	26260	26270	26280	26290	26300	26310	26320
 Human TTCAACTGTTGCTGTGATACGGTTTCTTATAGAGATTTTGTAGTAGAATTTATCAGTATTTTCTTTCATGTTTCAGTTTT 26320
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
26330	26340	26350	26360	26370	26380	26390	26400
 Human CTTGTGTCTTAATTTAAAAATCCTTACATACTCAGAGTTCATAAAGATACTATATTTTCTTCTGAAATTTTAAAAAATTT 26400
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
 |-----|
 | 26410 | 26420 | 26430 | 26440 | 26450 | 26460 | 26470 | 26480 |
 |-----|
 Human TGCTTTTATATTTATCAGAAAATTATTTTGTGTATTGTATTTAGTAGGGATCTGGTTTCATTTTTTGGCCCTATTAA 26480
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 26490 | 26500 | 26510 | 26520 | 26530 | 26540 | 26550 | 26560 |
 |-----|
 Human GATAGTCAATTAAATGAAATCTCTGTAATGACTTTTTCATATTACAGGTATATATATATCGTAAGGCAAAGGCTGAAAAAA 26560
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 26570 | 26580 | 26590 | 26600 | 26610 | 26620 | 26630 | 26640 |
 |-----|
 Human CTATCATAACAAAATGCAGAATATGGTGGCATAAATAAAAGAGTTTTTTTGTTCCTTTTCTGTCATAGCAGAAGTCCTG 26640
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 26650 | 26660 | 26670 | 26680 | 26690 | 26700 | 26710 | 26720 |
 |-----|
 Human TTGGTATAAGAAAGTGGTATCAGTCTGCTCCATAAGGTTATTCACCTGGCCAAGTTTCTTTCATATTGTTGCTTCACTGA 26720
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 26730 | 26740 | 26750 | 26760 | 26770 | 26780 | 26790 | 26800 |
 |-----|
 Human TCCCTAGGCTTTTGTTCCTGGCTATGTGGTCTGTTGATGTGTGATTGTGCTCTTCTCCTTGTTTAAAAAAAAGTTTCC 26800
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|
 | 26810 | 26820 | 26830 | 26840 | 26850 | 26860 | 26870 | 26880 |
 |-----|
 Human CTGTATTTGTGTATTTTCATTGCTTTTTTTTTTAAAGTCAGCTTTTGATTTTACTGATCCTCTTCATTGTACCATTGTTT 26880
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                26890   26900   26910   26920   26930   26940   26950   26960
Human          TCTCTATTTTATTGGTTGCGTGAGTCAGGGCTTTTGCAAGTCTTTAATAGGTAGGTGGTATTTCAGTCCACTTCTTCATC 26960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                26970   26980   26990   27000   27010   27020   27030   27040
Human          ATCTTGGTGGCACCTCTGTTTAAAGGAGACCAGGAATACTCACCTGGGTACGTACCTTTTCTTCCTCTCTGATAATCTATTT 27040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                27050   27060   27070   27080   27090   27100   27110   27120
Human          TTCCTCAGGAACTTAATATTTGTGTCTTGCCCGGTGTCTTTCTGTGCATGGTTCCTAGGCTGCCATCTCCACAGGAGAA 27120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                27130   27140   27150   27160   27170   27180   27190   27200
Human          AATGTTTGGTTAGTTCTCAGTCCCAAACCATAGCAGAGCCCAGAGACTCTTGTCCACCTCAGCCTTCAGTCTTGGTTGC 27200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                27210   27220   27230   27240   27250   27260   27270   27280
Human          CTTCTTCGCAGACCTGGCAGCTCTCCACCTGAAAGTGATACATGGTATTAATAGTTGGACTAGACTATTATGATAAACA 27280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                27290   27300   27310   27320   27330   27340   27350   27360
Human          GAGTATCTAATAACCATGAGAATAAAAAACAAGAAATTTGTAACATTGAAATGAGTGCTAAATGGCCTTTAATCTGTACT 27360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority	-----								
	27370	27380	27390	27400	27410	27420	27430	27440	
Human	TGCTTTTGCACATTTTTTTTAAAGTGGTTCTTTCTCTGACGTGTAGAGTGTATCTTCCTATTTCTGAATTTCTTGTTT								27440
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	27450	27460	27470	27480	27490	27500	27510	27520	
Human	CTGTGGGATGTTAGTTTCTCTTGAATGGTCATTGATATTACTCAGGAAGAAAAGTTTCTGTGGTCAGATTTAATAAGAG								27520
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	27530	27540	27550	27560	27570	27580	27590	27600	
Human	ATATCTATGCTAGTCTTAACATTTAATTTCTTTTAGTTGAATCTAAAATTGATATCATTCTTAGATTAATTAATAATTTT								27600
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	27610	27620	27630	27640	27650	27660	27670	27680	
Human	TTAAAGAGCATGTATTCTTTAGTATTTTGATTCTAAGTACCACTAATTTGATTTGTTTCAACAGTCATTAATGTGGGGCA								27680
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	27690	27700	27710	27720	27730	27740	27750	27760	
Human	GTCATCAATCACTACCATTGATCATTATTTTCATATACATTGTAAGTTAAATGACCAGGCTGAAATAATTCAGATGAAAT								27760
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	27770	27780	27790	27800	27810	27820	27830	27840	
Human	TATTCTGTCAGTTAATGTGGTAATGTTAACATTTATCAGTAGTGCTGAATCACTTCTTTTGGGCATAATAGTGGTAAGCT								27840
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                27850   27860   27870   27880   27890   27900   27910   27920
Human          TTTTGCTCAATGCAAAGACAGGCATAAATTGCTTTTTTCAAATAAAAAATGTAATTTGTAAAAATACTCCAGTAATTTTGT 27920
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                27930   27940   27950   27960   27970   27980   27990   28000
Human          AAAATCTCAAATGCAAATAAATTTGACGTTATTCTCAGTAATGAAGGCTGTAAATCTCCTCTTTAACGGCAGGTATG 28000
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                28010   28020   28030   28040   28050   28060   28070   28080
Human          AAATCATTGAGGAAGAAAAAGTTTCATAAATACAAACTTAAAAAAAATGGAAAGACTTTTCCATGCAAAAAGATGCAT 28080
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                28090   28100   28110   28120   28130   28140   28150   28160
Human          TGCAGGAAGGAGGAAGAGTGTCTTCATAGCACACCACAAGTCAGTATTAGAGGCTTGCTTTTCTACTTGAGTAGACCCA 28160
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                28170   28180   28190   28200   28210   28220   28230   28240
Human          AGATTCCCCACCTATCGTCTTCCAAAGTTACTTGTGATCCACTGCAATCACAAGTTTTTACAGTGTGTATACTCTAGGTGT 28240
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                28250   28260   28270   28280   28290   28300   28310   28320
Human          ATGGAAGGATTTGAATTCACAAATAGTCAAACATCAGAAGAATAAGCTGATAATAATACATTTGAAAAGAGGTCAAGTAT 28320
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
                28330   28340   28350   28360   28370   28380   28390   28400
Human          ATTTTGGAAAAGTAGGAGAGTTAAAGTGTTTTGTGAACTAAGGAACAAATAAGGCATTGACAATATTTTACTTGATTAG 28400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                28410   28420   28430   28440   28450   28460   28470   28480
Human          GAATTTGTTCAGGTGAGTAAACTTTAAGCATCACTTAAGTGTGTTTGTGTTTCTTACTTTTGTAGAAATATCTGATCTGG 28480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                28490   28500   28510   28520   28530   28540   28550   28560
Human          ACTTCTGTGGATTTATGGAAGAGCTGGCTTTATTTCTCTATCCTGTGGGAGGGGCAAACCTTGATTTTGTATGTGGAGTA 28560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                28570   28580   28590   28600   28610   28620   28630   28640
Human          ACTTGACCTTCAGTTTTTTGGTCTGAGAACAAAGGCCAAAAAATATGTAACAGTTAATAACGTAATTCACTTACTTAGT 28640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                28650   28660   28670   28680   28690   28700   28710   28720
Human          CAATAAATATGTGGGGACATTGTACTTGGTTGACACTTGGGAATATGTAGTGAGCACTACTGATGTGAGCCAGGCACCTT 28720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                28730   28740   28750   28760   28770   28780   28790   28800
Human          TGCCTGGTAATCACTGTTCGTGTATAATTTAATCCTAAGGGCTGTGATGTAGATGTTATCCCTGTTTTACAAATAAAGAA 28800
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                28810   28820   28830   28840   28850   28860   28870   28880
Human          C TTCAGGCTTAGAATGATTAAGTACTGTTACCTAACTGATAAGTGGGAAGCTGAGCTCCAGAGCACCCCTTTCTTAATACAG 28880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                28890   28900   28910   28920   28930   28940   28950   28960
Human          TATTTTCTACTTGTCATGAAAACATGAAGAAAGCTAGGAAACATTTTCTGTGTTGATAATGAGCCAATAATGTGTATCAG 28960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                28970   28980   28990   29000   29010   29020   29030   29040
Human          TGGTTCTTAAACTTTAGCATGCATCAGAAACACTTGGGGATTTTTTTTTTTTAAACCTGGGGTTTTTAGATCCCACCCTCA 29040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                29050   29060   29070   29080   29090   29100   29110   29120
Human          GAGTTTCTTATTTCAGTAGGTCTGGGATTGGACCTGAGAACATATACTGTCTAGTAAGCTTCCAGGTCTAATCTTAGGATTA 29120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                29130   29140   29150   29160   29170   29180   29190   29200
Human          GGGACCACACTTTGAGAATGATTAGAGTATTCAATTAGATCTTAGGGACTACACTGTGAGAATCAGTAATGTATACAATT 29200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                29210   29220   29230   29240   29250   29260   29270   29280
Human          CTGCTCATCATGTTCTTATAAAACTATGCCATGCCAGATCTTCCATATCTTGATTAGAAAATTGGTTAAGAAAATTAGGCTT 29280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
                29290   29300   29310   29320   29330   29340   29350   29360
Human          GGTGTAAATACAGTATCAATGTGGCTTGAAACTGGTTGTATTTTCTGTTTTTTTTTCTTTGTGCATTGATGCTAAT 29360
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                29370   29380   29390   29400   29410   29420   29430   29440
Human          AAGTAGAAAGCTCTTAAATATTTAAGGGAGACAACCTATGGATATCTGTTTACTCTTCTCATATTTGTTGTAATACAGT 29440
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                29450   29460   29470   29480   29490   29500   29510   29520
Human          TTATTCATTATGAGTTTAAATACAAATTAGCGTAAAGCTTATGGTTAATTTGGATTTTTTGGACTTTCTGAAATGCTTTG 29520
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                29530   29540   29550   29560   29570   29580   29590   29600
Human          ATAATTCATTGCCTCCTTTGCACATTTTTTTCATTTTGATGGTTGCATTTAACTTCTTTGTACTGATTTTTTAAATCAGC 29600
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                29610   29620   29630   29640   29650   29660   29670   29680
Human          CAGTATTAATTTAACCTATTTTCAATACTAATATCCATGTATGTAAATATCCATAACTAAGGCAAAACAGTTGATTTTAG 29680
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                29690   29700   29710   29720   29730   29740   29750   29760
Human          CTAGTTTAAATATTAGTCCATTCATATTTTTGTAAGTACATAACATTTTCAAATAGCTAAAATGTCACCTGGCTGGTTTG 29760
AsianBonytongue ----- 0
Reedfish      ----- 0
NorthernPike  ----- 0
SpottedGar    ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
29770	29780	29790	29800	29810	29820	29830	29840
 Human AACAAGTGTGCAGTTACCGAAGAGATGAATGTATAACCTTTTCTGTAAAGAATTTTAAGACATGACCTTATTTTTTTGCA 29840
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
29850	29860	29870	29880	29890	29900	29910	29920
 Human GAAAGAAATCTCTTCATTCCAAAGATTTTGCCTTTGCTTTTCGGTGTCTAGCCACTGAAGTATATACCTGTTTAATTTTA 29920
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
29930	29940	29950	29960	29970	29980	29990	30000
 Human ATAATGATGAAGATATTGATATCTAACTACCAGAATGAAGTTCTAATTTTCTAAAGACCTGAATTATCTGGATGAATAA 30000
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30010	30020	30030	30040	30050	30060	30070	30080
 Human AGGACCATTGGGATGGAGGATTTATAGAACGTTTCTGAGAAAGTCTAGCTGTTGTGGCTTTGGTTTGTGTTAAACAATT 30080
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30090	30100	30110	30120	30130	30140	30150	30160
 Human GAGATAGCTTTCCAAGCTTTTGCTTATAGAATCTAATCACTTTTTCTATTTATTGTCTTTTGGGCTTAGAGTAAAGAAG 30160
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30170	30180	30190	30200	30210	30220	30230	30240
 Human GGAAGGGAACACTGTTGCCTTTGTGAGAAATGGGAGAGGGATAGATGGGAGAGTAGAGGGATGAAGTTAATTTTTTATTAT 30240
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30250	30260	30270	30280	30290	30300	30310	30320
 Human AGGGATTAACATTTTAACTATTCCCAATAGTGTAAACATTTGACATTTAAGTGAAAGGCTTTTAGATTAATATTTTAA 30320
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30330	30340	30350	30360	30370	30380	30390	30400
 Human TTAAAGATGTCTTATGCTAATTTGTTTTGTTTTTCATAGAGAGGATCTGACGAACTACTCTCAGGCAGTGTTCAGTA 30400
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30410	30420	30430	30440	30450	30460	30470	30480
 Human GTCCGAACTCTAATATGAGCAGCATGGTAGTTACAGGTAAGTGTTACTCTCTTAGCAGTCTGTCATTTGCCATTTTAGGG 30480
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30490	30500	30510	30520	30530	30540	30550	30560
 Human GGCAGAATGTAAAACCTCAAATTTAACCCGTGTATACCAGGAAAGCCTTTCTTTTTAAATGCGTGTGAAACATTTTAGA 30560
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30570	30580	30590	30600	30610	30620	30630	30640
 Human GTAAATTTTACTAAAGTATATATGAGCCGAGTGGAAAAAAAAAAAAAAAAACCTGAAGCTGGTAACCTTGGTGAACAAGTTAC 30640
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
30650	30660	30670	30680	30690	30700	30710	30720
 Human TCTTAAATTTGATTGCTTTTCATTTTTGAACCACAAATGTAATTCTGTCTCACATTATAGTCCCTTCATCTGCCCTCTG 30720
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
 30730 30740 30750 30760 30770 30780 30790 30800
 Human GTATTTTATTTTGTTTTATTTTGTGTTGTGTCATATAATATTTTACTTTAAGTATTTATGCCACAAACCCTA 30800
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 30810 30820 30830 30840 30850 30860 30870 30880
 Human AAACCCAAATTTTAAAGTAAAAACCGAAGAATTCAGCTACATAGTTGTTTAAAACCATGCAACCATAGTTGCTATGGTTT 30880
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 30890 30900 30910 30920 30930 30940 30950 30960
 Human TAACTAATTTTGTGCTGAAACAGTATTTTAAATCTGAGTTGATCCTTTTATGTTGTCTACCTGCATATTTAAGATGATTT 30960
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 30970 30980 30990 31000 31010 31020 31030 31040
 Human GTTTTAAATCTTCAAAGTTAGAGTTAAAAAAAATTTGTATATGTCTGAAATAATGTTGTTTGTAGCATCTGTCAGTAAACA 31040
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 31050 31060 31070 31080 31090 31100 31110 31120
 Human ATATAGACCAAATTTTAGACCTTAGTTTTATGGCTGATGGCCAAATTTTTTTTGTATTTTGTTTAGTTTTGCTTGAAT 31120
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 31130 31140 31150 31160 31170 31180 31190 31200
 Human TGACGTGTTCTCATCTGAATGGCCAAATTTTGAATTTGATTATTATTATTATCAAATGAATTTACCTCACAACCTCCACA 31200
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                31210   31220   31230   31240   31250   31260   31270   31280
Human          TTTTACATTATTTACCTGAAACCAAAGTTCCTTTTCTGTATTTTAACTTTGAATTATTTGCTTGAAGAACAAATTATAT 31280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                31290   31300   31310   31320   31330   31340   31350   31360
Human          TTGGCAATAAAAAGGATCATGAAAGACTAGAAAGACATTTTGATTTCCTTAGGTAGCTGTGCTTAATGTATACATACATCT 31360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                31370   31380   31390   31400   31410   31420   31430   31440
Human          TGACACACACAAACACAAACACACATCTCTGACAATTCAGTTAACTAAAAATTATAAGGACTTAACAGATAATAGTCATG 31440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                31450   31460   31470   31480   31490   31500   31510   31520
Human          ATGTGAAGATAAAATTTGTCAACAGGTCATTATCATTGATTTTGCTATGTAATGATTACAAAGCAAATCACTGGGCCTTG 31520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                31530   31540   31550   31560   31570   31580   31590   31600
Human          ATTTTGATAGTCAAAGTACCATGTACACATAATTGAACAAATAGGCAGAAGTGTGTAACCTCTGGTTTGTCGGTTTCTCTT 31600
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                31610   31620   31630   31640   31650   31660   31670   31680
Human          TTTGTTTTTACAATGCATACTGTGATCGATAATGGGAAATTAATTTGGAATTAATTTCCAATATTTAGGGCTAGTGACA 31680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                31690   31700   31710   31720   31730   31740   31750   31760
Human          GAGTAACTAGTAGCAGCCTTGGCCCCTTTTTCAGTCTCCCCCAAACAAAAGTATGTAAGTGAATAAAATACGTGGA 31760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                31770   31780   31790   31800   31810   31820   31830   31840
Human          ACAACTGTTGTTTGAAGTGATGAGCAGACGGTATAAGATCATCCTTGAGAGAAGGGGTACACGTGAGGTAAGTATCATG 31840
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                31850   31860   31870   31880   31890   31900   31910   31920
Human          AACACTCTGGCTTTCTGTCTTGGACTATTTTACTGCTCTAAACCACAGAGAAGTGAGAGAGCCAGAGTATACAGGTCTCA 31920
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                31930   31940   31950   31960   31970   31980   31990   32000
Human          CTGAGCTGAAGAGACCAAGAGTGGGTGTCAGGGCTGCCCAATCATTTGGAATTTATGGAGAAGTCTGGAGAAAAGAGAG 32000
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
                32010   32020   32030   32040   32050   32060   32070   32080
Human          CTGCTTAGGGGTTTAGGAATAGAGCAGGGGGCAGAATTTAGTATGGTCATTTCACTTCATTACAGTTTTGGATAATGAC 32080
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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```

Majority -----
                32090   32100   32110   32120   32130   32140   32150   32160
Human          TTGGTTACATGTGTGCAGGTTGAGGCTTTGCCAGGTCTGTGCAGAAATTGTCTGCTCTGGGGCTAAATGGTGATTCCATAG 32160
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
                |-----|
                |32170|32180|32190|32200|32210|32220|32230|32240|
                |-----|
Human           |GTTGCACGGTACTCTGAAACATTGGAGTTCTGAGAAGTCAGAATGCAGACATATTGCAGGGTACTTCAAACACTCCATTT| 32240
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |32250|32260|32270|32280|32290|32300|32310|32320|
                |-----|
Human           |AGACTACAGAAAGCCTGGACCTGAATAGAAAGGATCACACCCTATAGGAAGTGCCATCTATAAGACTGAGATAAAAAACCA| 32320
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |32330|32340|32350|32360|32370|32380|32390|32400|
                |-----|
Human           |GAAACCTAGCCCGATAGGAAGTGAAGGATTCACCAGTTAATCTAACCAGTAACTGATGAAGGATTAATCAGTAATTTAGT| 32400
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |32410|32420|32430|32440|32450|32460|32470|32480|
                |-----|
Human           |TGCCTTCCAAAACAAAACAACACCCCCAAGAAAGACATGATATAGTTTTCTGCAACTATCTTCCATAATATCTAGTATA| 32480
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |32490|32500|32510|32520|32530|32540|32550|32560|
                |-----|
Human           |CCATCAAAAATTACAAGTGATGTGCAGAAGCAGGAAAGTAACCCATGAAATATAAAGAACACATTTAATAGGAACAGATT| 32560
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |32570|32580|32590|32600|32610|32620|32630|32640|
                |-----|
Human           |CCAAAATGACCTAGAGTTAGAATTAGCAGACAAGGACGATAAGTATTTTAAGCTGTAAAGGAAAAAGATTGAAATAATGAG| 32640
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
32650	32660	32670	32680	32690	32700	32710	32720
 Human TGATGGAGGAGTGTGTTGAAGAGATAAAAACTATAAAGAAAGCATGTAGAAATATTCCTAATTGAAAAATACAGTTTTTG 32720
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
32730	32740	32750	32760	32770	32780	32790	32800
 Human AAATAGTTGGGACTGATTCACCTGGTTGGAACTAGTAGCAGATTGGAGACAATAGAAGAAATGTTAGTGAACCTGAATACT 32800
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
32810	32820	32830	32840	32850	32860	32870	32880
 Human GTTGAATACAGTGATTTAAATCTGTCAGAGAGGAGAAAGTATATCTAATGGACAATGAAGCAGTCTGACATGTAAGTTGAA 32880
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
32890	32900	32910	32920	32930	32940	32950	32960
 Human TTTCAGAGTGAGAATGTGGGGGAATAAAACATCTATCTGTTTGAGATAGTAATGACTGAGAACTTCTAAAATTTGAATAA 32960
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
32970	32980	32990	33000	33010	33020	33030	33040
 Human AATATATCAACTTACATTCCTAAGAAGCTCAGGTAAACTCCTCATGTAGGCTAAATAAAAAAGAACCATACTTAGACACAT 33040
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
33050	33060	33070	33080	33090	33100	33110	33120
 Human AGTAGTCAAAATATTGAAAAC TAGAAATGAAGAGCAAATCTAAACAGCTGCGAAAAAACGCTCTAACAGGAGACCAACAC 33120
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                |-----|
                |33130| 33140| 33150| 33160| 33170| 33180| 33190| 33200|
                |-----|
Human           |CTCGTATTAAAGGGGGAAAAAAGCGAATTTCTTTAGACTGAATGGCATAACTTGGCTCTACAGGGGATAAGAGGAGTAC| 33200
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |33210| 33220| 33230| 33240| 33250| 33260| 33270| 33280|
                |-----|
Human           |TGGGAATGGTTAATATGTGTATAAATTTTAAAAGGGCTCTCTCTTTTCTATCAGTTTCTTTGAAAGCCTTTATGTAAAC| 33280
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |33290| 33300| 33310| 33320| 33330| 33340| 33350| 33360|
                |-----|
Human           |AACAACTTTGTATTATGGGGTTTATTATGTAATGGATGTTTATATGACAACAGTTAGTACAAAAGTGAAGATAAATGGAA| 33360
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |33370| 33380| 33390| 33400| 33410| 33420| 33430| 33440|
                |-----|
Human           |TTCTTCAGTGGTAAGGTTCTTATATTTTACCTGAAGTGATACAGTGTTAACTCTAACATAAAAAGATTCTGTTAAGGTTG| 33440
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |33450| 33460| 33470| 33480| 33490| 33500| 33510| 33520|
                |-----|
Human           |CATATCAAAATTCTAAGTGTAATCTCATTTAAAAAGATAAAAAGAAGTATAACGAAAAGCCAATAGAGGAAAAAATGGAG| 33520
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |33530| 33540| 33550| 33560| 33570| 33580| 33590| 33600|
                |-----|
Human           |CATTGACTACCAGTTTTCAAGAATTACTGCAAAGCTACGGTAATTTAAAAATAGCATCATAATAACATAAAGATAAATAGG| 33600
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

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Majority -----
          |-----|
          |33610|33620|33630|33640|33650|33660|33670|33680|
          |-----|
Human     |TCAGTGAGACAGAGCAGAGAGTTTCAGAAGTTAACTCACACAATTATGGATAACTGATTTTTGACAAAGGTGCAAAGTCAA| 33680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |33690|33700|33710|33720|33730|33740|33750|33760|
          |-----|
Human     |TTCAGTGGAGAAAAAGTAGACTTCCAACAAAGGGTGCTACAGCAGTTGGAGCTATCCGTATGCAAAAAAATGATCTTGGA| 33760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |33770|33780|33790|33800|33810|33820|33830|33840|
          |-----|
Human     |TCTGTATCTCACACTGCATATGAAAATTTAACTCCAATGGATCATGGCCTAATGTAAAACCAAAAATTATAAAATCTCTA| 33840
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |33850|33860|33870|33880|33890|33900|33910|33920|
          |-----|
Human     |GAAAAAATACAGAAAATCTTCGTGACTTTGGATTAAGCAGGAATGTATTTGATATGACCCTAAAAGCACAATCTATTAA| 33920
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |33930|33940|33950|33960|33970|33980|33990|34000|
          |-----|
Human     |AAAATGGAATTTGACATCAGAATTAATAATCTTCTGCCATTCAAAAGAAACTGCTAGGGAATGAAAAGACAAGCCATAAAC| 34000
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |34010|34020|34030|34040|34050|34060|34070|34080|
          |-----|
Human     |TGGAAGAACATCATAACAAAGCATATAGCTGATAAAGGACTTCTATCCAGAATATTAAAAGATTTCAGTATATGTAAAATC| 34080
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
      |-----|
      |34090  34100  34110  34120  34130  34140  34150  34160|
      |-----|
Human  AGCAGTCAAGCAACAAACTACTCAATGAATTGGCCAAAATATTTGAACAGGTAGTACAGCACAAAAGATACACAGATGGT 34160
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34170  34180  34190  34200  34210  34220  34230  34240|
      |-----|
Human  AAGTAAGCACGTGAAAAAGCTGGTCAGCATCATTAGTTATTTAGGGAATGAAAATTTAAACTACAGTGAGATAATATTAC 34240
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34250  34260  34270  34280  34290  34300  34310  34320|
      |-----|
Human  AAACCTATTAATAGTGACTAAAATTTAAAAGAGTGCCATCTTGGAAAGCATGAGTTGGGAAGAATGTGGAAGAATGTTAA 34320
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34330  34340  34350  34360  34370  34380  34390  34400|
      |-----|
Human  TATTCACAATACTGCTGATGGGAATGTAAAATCGTAGTACTTTGGAAAACAATCTGGTAGTTTCTCCATGATCCAGGTTA 34400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34410  34420  34430  34440  34450  34460  34470  34480|
      |-----|
Human  TTTGTCTCCTAAGCATTACCCAAGAGAAAAGAAGGCATCTATTTCATTAATAAACTCTCATGTTAATGTTTCATAGCCATT 34480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34490  34500  34510  34520  34530  34540  34550  34560|
      |-----|
Human  TTATTTGTAATCACCAAAATGTGAAACAAACATTCATCAACAGATGAACTAATAAGTAGATTCTGTGTTTGGCATCATAT 34560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```


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Majority -----
      |-----|
      |34570  |34580  |34590  |34600  |34610  |34620  |34630  |34640  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  GCTTTTCCATACAGTGGAAATACAACAGCCATGTAGAATGAGCTATTGATAGACACAACAGCAAGAATGAATCTCCAAACA 34640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34650  |34660  |34670  |34680  |34690  |34700  |34710  |34720  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  ATTATGTTATGTAAGATGGGAGAAAAAAGACTACATCCTGTATGATTCCATTTATATAAAACTCTGGGAAATGCAAA 34720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34730  |34740  |34750  |34760  |34770  |34780  |34790  |34800  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  CTAATCTAAAGCAAATTCATGGTCTTAGGAGTTTAAAGAGTGGGAAAGGACAGGCAGGAGGGGTGGCAAAGGGACACAGG 34800
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34810  |34820  |34830  |34840  |34850  |34860  |34870  |34880  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  AAAACTCGGGAGTGATGGACATATAAATTATTGTGATGGTGGTTTTATGGATGTATGCATATGTCAAACCTTGTCAAATT 34880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34890  |34900  |34910  |34920  |34930  |34940  |34950  |34960  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  TTATAATTTAAATACATATACATCCTAGAAATGGCCGAACCTTCAGAACATTGATAACACCAAATGCTGGCAAGGATGTG 34960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |34970  |34980  |34990  |35000  |35010  |35020  |35030  |35040  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  GAGCAACAGGAACTCTCACTTACTGCTCAGTGGAAATGCAGAGTGGTACAGCCACTTTGGAAGACAATTTGGCAATTTCTT 35040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
35050	35060	35070	35080	35090	35100	35110	35120
 Human AGAAAAC TATACGGCCGGGCACAGTGGCTTACGCCTGTAATCCCAGCGCTTTGGGAAGCCAAGGCAGGCGGATCACCTGA 35120
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
35130	35140	35150	35160	35170	35180	35190	35200
 Human GGTGAGAAGTTCAAACCAGCCTGGCCAACATGGAGAAACCCGATCTCTACTAAAAAATACAAAATTAGCTAGGCGTGGT 35200
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
35210	35220	35230	35240	35250	35260	35270	35280
 Human GGTGCATGCCTGTAATCCCAGCCACTCAGGAGGCTGAAGCAGGAGAATTACTTGAACCCAGGAGGTGGAGGTTGCAGTGA 35280
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
35290	35300	35310	35320	35330	35340	35350	35360
 Human GCCAGGATCACGCCCATTTCACTCCAACCTGGGCAACAAGAGCGAGACTCCATCTCAAATATACTTTCATTTGTATGATCC 35360
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
35370	35380	35390	35400	35410	35420	35430	35440
 Human AGCAGTTGTGCTCCCTGGTATTTGCCTAAAGGAGTTGAAAACCTTAGTCTGCCGAGAAAGTAGCACATGGATGTTTATAGC 35440
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
35450	35460	35470	35480	35490	35500	35510	35520
 Human ACCTTCTTTTATAGTTGCCAGAACTTCATAGCAACCAAGAAGTCCCTTTAGGAGGTGAATGGCCAAATAAACTGTGGTGTA 35520
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                |-----|
                |35530|  |35540|  |35550|  |35560|  |35570|  |35580|  |35590|  |35600|
                |-----|
Human           TATTCAGACAGTATAATGTTAATCAGCACTAAATGGAAATGAGCTATCAAGCCATGGAGAACCTTCAGTGAACATTACTA 35600
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |35610|  |35620|  |35630|  |35640|  |35650|  |35660|  |35670|  |35680|
                |-----|
Human           AATAAAAGAAGCCACTCTGAAAATTCTGCATACCATATGATTCCAACTATATGACATTCTGGAAAAGCAAATTTATGGA 35680
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |35690|  |35700|  |35710|  |35720|  |35730|  |35740|  |35750|  |35760|
                |-----|
Human           GACAGTAAAAATCAGTGGTTGCTAGGGTTTAGGGGTGGAGGGAGGGATGAACTGGTGGAGTACAGAGGATTTTAGGGTAC 35760
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |35770|  |35780|  |35790|  |35800|  |35810|  |35820|  |35830|  |35840|
                |-----|
Human           TGAAAATATTTCTGCATGATACTATAATGATAGATACATGTCATACATTTTTCCAAACCCATAGAATGTAAGACACTTGA 35840
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |35850|  |35860|  |35870|  |35880|  |35890|  |35900|  |35910|  |35920|
                |-----|
Human           GTGAACCTGGAGGTAACACTACAGACTTTGAGTGATTATAATGTGTCAGTGTAGGTTTCATCAGTTGTAACAATGTGCCATCT 35920
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |35930|  |35940|  |35950|  |35960|  |35970|  |35980|  |35990|  |36000|
                |-----|
Human           GGTGGGAGATGTTGATAAAGGGGAGGCTATTTGGGGCAGGAGGCAGGGAAATCTCTCTGCTTTCCTCTCCATTTTGCTGT 36000
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
      36010   36020   36030   36040   36050   36060   36070   36080
Human    GTACCTAAACTTACTCTGAAAAATGTCTTTGAAAATTTACTCATGCGCTTGCATTGCATTTCTTTTGGATATTACTGGTC 36080
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      36090   36100   36110   36120   36130   36140   36150   36160
Human    TAAGTAGTCCAGTTAAAAGACAAAGATTGTCAGACTTGATTAAAAAGCAAGGCCTAACTACACTGTCAATACGAGGGTCA 36160
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      36170   36180   36190   36200   36210   36220   36230   36240
Human    GGTAGAAATATCAAGATGCAGGTTGAAAGTAAAAAGATGGAAAATGATATTCCGTGCAAACAGTAAGCACAAGAAAGTTG 36240
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      36250   36260   36270   36280   36290   36300   36310   36320
Human    ATATGATTATATTACTAGACAGAAAAATTTAAGACAAATATTACCAGATATAAAAAAGCATATTTTCACAATGTTGAAGGG 36320
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      36330   36340   36350   36360   36370   36380   36390   36400
Human    TCAGTTTATCAGAAAACATTTCTTAATTTGTATGCCAATAATAACAAATCAAAGTATATTAAGAAAAACATCACAGAACT 36400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      36410   36420   36430   36440   36450   36460   36470   36480
Human    AAGTAGAGAAACAAAAATCCACAATCATAGCCTGGTTTTTTTAAACATAATTTATGGCAATTGATAGGATAGTACAGTCC 36480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                |-----|
                |36490|36500|36510|36520|36530|36540|36550|36560|
                |-----|
Human           |TAGCCCCCAAATAAAAAAGATACATAATTTGAAAAGTGCTATCATGTTGGCTTAACTCACATTTATAAAACTATAACCCAGT| 36560
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |36570|36580|36590|36600|36610|36620|36630|36640|
                |-----|
Human           |AACTGTAAAATAACTTCAAGTGTACATAGAACATTCACAATGATAGACCTTATATTGGATTATAAAAATAACTCAATAAAT| 36640
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |36650|36660|36670|36680|36690|36700|36710|36720|
                |-----|
Human           |TTCAAATGATTGACAGCTAATGTATCTGACTGACTATAGTGAATTAAATTAGAAATCAAAAATAGACATCTAGGAAAGT| 36720
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |36730|36740|36750|36760|36770|36780|36790|36800|
                |-----|
Human           |ACTAAATATTTAGAAATTACACAATCGTGAACAATACATGGATTATAGAAGTGTACCACAAGGACATATTTTGGACTGAA| 36800
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |36810|36820|36830|36840|36850|36860|36870|36880|
                |-----|
Human           |TGAAAATATATCAAAATTTGTTGGATACTACCCAAGGGTGTGTATGGTGAAGTATGTCTTCAAATACCTATATTACAA| 36880
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

```

Majority -----
                |-----|
                |36890|36900|36910|36920|36930|36940|36950|36960|
                |-----|
Human           |AAAAAGGTTTAAACTCCCAATTTAAGACTGACCAAGGAAAAGACATAAATTACCAACTGGAAATCAAGGTCGAGAT| 36960
AsianBonytongue|-----|
Reedfish       |-----|
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
```

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Majority -----
                |-----|
                |36970|36980|36990|37000|37010|37020|37030|37040|
                |-----|
Human           |AATCACTTTCAGAGAAAGTGGATATATGCAGAGTATAATAGTATAACATAAAATAATATAAAGTGGAGATAGCACTTTCAA| 37040
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |37050|37060|37070|37080|37090|37100|37110|37120|
                |-----|
Human           |TAAAAGCAGAGATATATAGAATATAATAGGAAAATAAGTCAATATTAGTAATGTTGTTAAGGCTAACAAATTCAGCAACT| 37120
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |37130|37140|37150|37160|37170|37180|37190|37200|
                |-----|
Human           |TAGATGAAAAGTTTCTTGACAAATGCAAAACTGACTTAAGTATATAGCTTAACAGCTATATACTACTGTATTATACAAAT| 37200
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |37210|37220|37230|37240|37250|37260|37270|37280|
                |-----|
Human           |TGGAAATTTATAATTAATAAAATCTTTCCACAAAGATTACTCTAGTCATAGATGGTTTCACTATTGAATTTTATGAAATTT| 37280
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |37290|37300|37310|37320|37330|37340|37350|37360|
                |-----|
Human           |TAAAGGAATACTAGCTGTCTTTGAAAATGGAGGAGGAATACTACCCTGTTCACTTTATGAAACCACTATAACTGACAGC| 37360
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |37370|37380|37390|37400|37410|37420|37430|37440|
                |-----|
Human           |AAACCTGACAAGGGTAATATATCAAGATTTGAGACTAGTATTTCTCATTAACTAAATGCATATATTCTTAAGAAAATG| 37440
AsianBonytongue|-----| 0
Reedfish       |-----| 0
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

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Majority	-----								
	37450	37460	37470	37480	37490	37500	37510	37520	
Human	TTGGTAAATCACCTCCGGTAGAATATGAGAGACAATTCTGAGACTTATCGCAGGATTGTAAGGTTGTTTAAACATTTGAA								37520
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	37530	37540	37550	37560	37570	37580	37590	37600	
Human	AATGAACTCAGTGTAATTTGTCACAATGATAGAATGAAGAAAGAAGAAATTTCTCTCAGAAAAC TAGGAAGAGAAGGAGCT								37600
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	37610	37620	37630	37640	37650	37660	37670	37680	
Human	TTTACAATGTAAATAAGGGGTATCTACTAAGAACCTACAACAAATTTTCATACTTAATGGAGAAATATTGAATGTTTTCTT								37680
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	37690	37700	37710	37720	37730	37740	37750	37760	
Human	CTTAAAAACAGAAATGAAGCAAGGATGTCTGTTTTCTCAATTTTTCCCTTAGCTTTCTGCTTACATTAAGGCAGGTGAA								37760
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	37770	37780	37790	37800	37810	37820	37830	37840	
Human	ATAAAAGACATAAAGATTGTAAAGGAAGAAAGAAAAGTGTCTTATTCACCATTCAACATGCTTTTAAAGTAGAAGACCT								37840
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	37850	37860	37870	37880	37890	37900	37910	37920	
Human	GAAGGACTCTACAACAGATTTGGTAGAACTAATAAGTGAATTTAGATAAATTATAGGATACAAGTTCTATGTACAGAAAT								37920
AsianBonytongue	-----								0
Reedfish	-----								0
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
      |-----|
      |37930  |37940  |37950  |37960  |37970  |37980  |37990  |38000  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  AGTCTCCTTATACTTGGCAGCAAATTCTTAGAAAATGAAATTTTAAAAAATCTGTTTATAAAAGTATCAGACAAAATATC 38000
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |38010  |38020  |38030  |38040  |38050  |38060  |38070  |38080  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  AGGAAAAAATTTGACAAAAGATATGTAAGACATCTACACCAATATGAAACACTGCTAAGAGAAGTTTTAAAAAGACTTA 38080
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |38090  |38100  |38110  |38120  |38130  |38140  |38150  |38160  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  CATGAAGACGTAGACCATGTTTCATGAATTAGAAGGCTCAATATGTTAACATGCCAGTTCTCCCTAAATGGGATGGCATT 38160
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |38170  |38180  |38190  |38200  |38210  |38220  |38230  |38240  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  GAATCTATAAAGACTTATAAATGAGAGTACATTCTAAAATTTATGTGGAAATAAAAAGGAGCTAGGACAATTTAAACCA 38240
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |38250  |38260  |38270  |38280  |38290  |38300  |38310  |38320  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  TTTTGAAAAAGTAAATTTTGCCACAGTTCTCAAGACTCACTACAAACCTGTAGTTAATCCAAAACAGTTTACTACTAGCA 38320
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|
      |38330  |38340  |38350  |38360  |38370  |38380  |38390  |38400  |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human  TAGTTAGTGACACAGAATAGCGTTTCAGGGAATAACTCATGCATTAAAGTTGCCTTGATCACTCAGTGAAGAAAGAGAAGG 38400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```


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Majority -----
                |-----|
                |38410|38420|38430|38440|38450|38460|38470|38480|
                |-----|
Human           CCTTTCAACAGATGTGCTAGAACAGCTGAATATACATACAAAAAGCAAAGAACTTAAACCCTACATCATTCTGTATA 38480
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |38490|38500|38510|38520|38530|38540|38550|38560|
                |-----|
Human           AAACAATGAGATTAATTATATAAAAACTAATATATAGAGTTTTTAGGAAAAGCATAGGATATACTTGCAACTTTGGGAT 38560
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |38570|38580|38590|38600|38610|38620|38630|38640|
                |-----|
Human           AAATGAAGATTTCTTAAATAGAAAACTTAAAGGAATATATAAACTTGACTCCATCAAATGGGAAATTTCTGCTTCA 38640
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |38650|38660|38670|38680|38690|38700|38710|38720|
                |-----|
Human           TCAAAAGACATTTGTTAAGACATTTGAAAAGACAAGGCACAGACTTGGAGAATATAATATTTGTGTATCAATACATGCATAT 38720
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |38730|38740|38750|38760|38770|38780|38790|38800|
                |-----|
Human           GACTGTATTAGTCCATTTTCATGCTGCTGATAAAGACGTACCCGAGACTGGGCGGGCAATTTATGAAAGAAACCAGTTTA 38800
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                |-----|
                |38810|38820|38830|38840|38850|38860|38870|38880|
                |-----|
Human           ATGAATTTACAATTCTATGTGACTGGGGAAGCCTCATAATCATGGTGAAGGCAAGGAGGAGCAAGTCACATCTTACGTA 38880
AsianBonytongue ----- 0
Reedfish       ----- 0
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
      |-----|-----|-----|-----|-----|-----|-----|
      | 38890   38900   38910   38920   38930   38940   38950   38960
      |-----|-----|-----|-----|-----|-----|-----|
Human  GATGGCAACAGGCAAAGAAAAGAGAGCTTGTGCGGGGAAACTCTCCCCTTTTTTAAAACCATGAGACTTACTTCACTGTCA 38960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|-----|-----|-----|-----|-----|-----|
      | 38970   38980   38990   39000   39010   39020   39030   39040
      |-----|-----|-----|-----|-----|-----|-----|
Human  CGAGAACAGCATTGGAAAGACCTGCCCCCATGATTCAGTTAACTCCCACCAGGTCCCTCCCACAACACATGGGAATTCAA 39040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|-----|-----|-----|-----|-----|-----|
      | 39050   39060   39070   39080   39090   39100   39110   39120
      |-----|-----|-----|-----|-----|-----|-----|
Human  GAGGAGATGTGGGTGGGGACACAGCCAAACCATATCAATGACAAAGGACTTGTATCCCAAAGGACTTGTAATAAAAAAAAAAC 39120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|-----|-----|-----|-----|-----|-----|
      | 39130   39140   39150   39160   39170   39180   39190   39200
      |-----|-----|-----|-----|-----|-----|-----|
Human  TCCTCCAATCAATAAATATGAGCAGCCCAATTTTTTTTTTAAGTGGCAAAGAAGTGACATTATAAGGATGGGTAACAAGC 39200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|-----|-----|-----|-----|-----|-----|
      | 39210   39220   39230   39240   39250   39260   39270   39280
      |-----|-----|-----|-----|-----|-----|-----|
Human  ACATGAAAAGATAATGTTAGTCATCAGGTGATCACAAGTCAAACCATTAGAGATAGAATTTACACCAACTAGAATGGCT 39280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      |-----|-----|-----|-----|-----|-----|-----|
      | 39290   39300   39310   39320   39330   39340   39350   39360
      |-----|-----|-----|-----|-----|-----|-----|
Human  AAAATTAAATAGATTGGCAATACCGAATGTTGATGAAGATGTGGAAGTGTCTTTAATTACTGCTGAGTATATAACATAGT 39360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          |-----|
          |39370|39380|39390|39400|39410|39420|39430|39440|
          |-----|
Human      |TGGGAAAATAGTTTGCTTTTTTTTTTTTTTTTTTTTTTTTGGAGACAGAGTCTTGCTCTGTCACCAGGCTGGAATGCAGTG| 39440
AsianBonytongue ----- 0
Reedfish  ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |39450|39460|39470|39480|39490|39500|39510|39520|
          |-----|
Human      |GCATGATCTCAGCTTACTGCAACCTCCGCCTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGAACT| 39520
AsianBonytongue ----- 0
Reedfish  ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |39530|39540|39550|39560|39570|39580|39590|39600|
          |-----|
Human      |ACAGGTGCACGCCACCACCCCGGCTAATTTTTTGTATTTTATAGTAGAGACTGGGTTTCGCCATGTTGGCCAGGATGGTC| 39600
AsianBonytongue ----- 0
Reedfish  ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |39610|39620|39630|39640|39650|39660|39670|39680|
          |-----|
Human      |TTGCTCTCTTGACGTTGTGATCTGCCACGTCGGCCTCCCAGAGTGCTGGGATTACAGGCCTGAGCCACTGCGTCTGACC| 39680
AsianBonytongue ----- 0
Reedfish  ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |39690|39700|39710|39720|39730|39740|39750|39760|
          |-----|
Human      |TAGTTTACTATTTTCTTACGGAGTTAAACATTAACCTATTTTATGGTCCATAACTTCTACTTTTGTAGTTTTTTACCCAGTA| 39760
AsianBonytongue ----- 0
Reedfish  ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
          |-----|
          |39770|39780|39790|39800|39810|39820|39830|39840|
          |-----|
Human      |AGAACATGTTTGCTGTAAAACCTGTATGTGTATCAAAAACCTTACTGATAATGGTCCCAAACCTGAAATAACCCAAATGT| 39840
AsianBonytongue ----- 0
Reedfish  ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
39850	39860	39870	39880	39890	39900	39910	39920
 Human TTATCAACAGGAAAATGGATAAATTGTGGTATAATCATATAGTATATTACTACTTACTAATAACAAAAGAATGGTTAGTA 39920
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
39930	39940	39950	39960	39970	39980	39990	40000
 Human GTACATGCCAAAACATGGGTGAATAGTAAGCATTGTATGAAGCAAAAGAAACCAGACAGACCTGAAAGAGTACATAGTGT 40000
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
40010	40020	40030	40040	40050	40060	40070	40080
 Human GATTCCATTTCTTGAAAGTTTAAGAGCAGATCATTAATTTTTTGTTTAGAAACCAGAATGTTGGAGATTAACAGAAAGGG 40080
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
40090	40100	40110	40120	40130	40140	40150	40160
 Human AATATGGTGGCATT TTTCTGGTGTGATGGAACGTCCTATGTTAATAAACTAAGTTGCAAAACAAATCCAAAAGTTGTTTG 40160
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
40170	40180	40190	40200	40210	40220	40230	40240
 Human AAGCAGTAGATTATCTCTGAGAACTCTGAATTTCCAGTAGTTGTGTCTTGCTGTAATGAGAAATATGAGATTGGGAATGA 40240
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
40250	40260	40270	40280	40290	40300	40310	40320
 Human CTAGGTGAGTCCATGTAGCAGGGGCC TAGATGTGGGATTTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 40320
 AsianBonytongue ----- 0
 Reedfish ----- 0
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                40330   40340   40350   40360   40370   40380   40390   40400
Human          TGTGTAGCTTGGACTTTAACAGATTTACATTTTAGAAAGAATTTTGTTCATTTGTATTTACAGGTAGGATCAGTATT 40400
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                40410   40420   40430   40440   40450   40460   40470   40480
Human          GTATAGAGGGGAGAATAGTTTTTAAAACATTACGGTAGTTCATTCCAAAGATACCAAGGTCCTGAATTTTAGGGTCTTGGA 40480
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                40490   40500   40510   40520   40530   40540   40550   40560
Human          AGGAGAATGCAGGAAATGATAAAACGAGTTATCTGGAAGAAGACAAGTTTGAATAATATTAAGAGTTTTGTCTTAGAA 40560
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                40570   40580   40590   40600   40610   40620   40630   40640
Human          TCACTGGGTTGGTAGAAGATGATGCCATTAACAAAGGGGAAAAGTAGGAAAAGGAGACTCGTTTTTGGTGGGAAAAAAG 40640
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                40650   40660   40670   40680   40690   40700   40710   40720
Human          AATAATCCGCTACTGTCTGTTTTTTTTTGTGTTTTTTGTTTTTATTTTTTATTGATCATTCTGGGTGTTTTCTCGC 40720
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                40730   40740   40750   40760   40770   40780   40790   40800
Human          AGAGGGGGATTTGGCAGGGTCATAGGACAATAGTGGAGGGAAGGTCAGCAGATAAACAAGTGAACAAAGGTCTCTGGTTT 40800
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                40810   40820   40830   40840   40850   40860   40870   40880
Human          TCCTAGGCAGAGGACCCTGCGGACTTCCGCAGTGTTTGTGTCCCTGGGTCCTTGAGATTAGGGAGTGGTGATGACTCTTA 40880
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                40890   40900   40910   40920   40930   40940   40950   40960
Human          ACGAGCATGCTGCCTTCAAGCATCTGTTTAACAAAGCACATCTTGCAACCGCCCTTAATCCATTTAACCTGAGTGGACAC 40960
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                40970   40980   40990   41000   41010   41020   41030   41040
Human          AGCACATGTTTCAGAGAGCACAGGGTTGGGGGTAAGGTCACAGATCAACAGGATAAGAATTTTTCTTAGTACAGAACAAA 41040
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                41050   41060   41070   41080   41090   41100   41110   41120
Human          ATGAAAAGTCTCCCATGTCTACCTCTTTCTACACAGACACGGCAACCATCCGATTTCTCAATCTTTTCCCCACCTTTCCC 41120
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                41130   41140   41150   41160   41170   41180   41190   41200
Human          CCCTTCTATTCACAAAACCGCCATTGTCATCATGGCCCGTTCTCAATGAGCTGTTGGGTACACCTCCCAGACGGGGTG 41200
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
                41210   41220   41230   41240   41250   41260   41270   41280
Human          GTGGCCGGGCAGAGGGGCTCCTCACTTCCCAGTAGGGGCGGCCGGGCAGAGGCCCCCTCACTCCCCAGTAGGGGCAGCC 41280
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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```

Majority -----
          41290   41300   41310   41320   41330   41340   41350   41360
Human      GGGCAGAGGCGCCCCTCACCTCCCGGATGGGGCGGCTGGCCGGGCGGGGGGCTGACCCCCCACCTCCCTCCCGGATGGG 41360
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
          41370   41380   41390   41400   41410   41420   41430   41440
Human      GCAGCTGGCCGGGCGGGGGGCTGACCCCCCACCTCCCTCCCGGACGGGGCGGCTGGCCGGGCTGGGGGCTGACCCCCGC 41440
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
          41450   41460   41470   41480   41490   41500   41510   41520
Human      CACCTCCCTCCCGGACGGGGCGGCTGGCCGGGCTGGGGGCTGACCCCCGACCTCCTTCCCGGACGGGGCGGCTGGCCGG 41520
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
          41530   41540   41550   41560   41570   41580   41590   41600
Human      GCAGAGGGGCTCCTCACTTCCCAGTAGGGGCGGCCGGGCAGAGGCGCCCTCACCTCCCGGAAGGGGCGGCTGGCCGGGC 41600
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
          41610   41620   41630   41640   41650   41660   41670   41680
Human      GGGGGTCTGACCCCCCACCTCCCTCCTGGATGGGGCGGCTGGCCTGGCGGGGGCTGACCCCCACCTCCCTCCAGACGG 41680
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

```

```

Majority -----
          41690   41700   41710   41720   41730   41740   41750   41760
Human      GGTGACTGCCGGGCGGAGACGCTCCTCACTTCCCAGACGGCGTGGCTGCCGGGCGGAGGGGCTCCTCACTTCTCAGATGG 41760
AsianBonytongue ----- 0
Reedfish ----- 0
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0

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Majority -----
          |-----|
          |         |         |         |         |         |         |         |
          | 41770   | 41780   | 41790   | 41800   | 41810   | 41820   | 41830   | 41840   |
          |-----|-----|-----|-----|-----|-----|-----|-----|
Human     |GGCGGCTGCTGGGCGGAGGGACTCCTCGCTTCTCAGATGGGGCGGCCGGGCCGAGACGCTCCTCACCTCCCAGACGGGGT| 41840
AsianBonytongue |-----|-----|-----|-----|-----|-----|-----|-----|
Reedfish   |-----|-----|-----|-----|-----|-----|-----|-----|
NorthernPike |-----|-----|-----|-----|-----|-----|-----|-----|
SpottedGar  |-----|-----|-----|-----|-----|-----|-----|-----|
ParamormyropsKingsLeyae |-----|-----|-----|-----|-----|-----|-----|-----|
    
```

```

Majority -----
          |-----|
          |         |         |         |         |         |         |         |
          | 41850   | 41860   | 41870   | 41880   | 41890   | 41900   | 41910   | 41920   |
          |-----|-----|-----|-----|-----|-----|-----|-----|
Human     |CGCGGCCGGGTAGAGGCGCTCCTCACATCCCAGACGGGGCGGCCGGGCAGCGGCGCTCCCCACATCTCAGACGATGGGGC| 41920
AsianBonytongue |-----|-----|-----|-----|-----|-----|-----|-----|
Reedfish   |-----|-----|-----|-----|-----|-----|-----|-----|
NorthernPike |-----|-----|-----|-----|-----|-----|-----|-----|
SpottedGar  |-----|-----|-----|-----|-----|-----|-----|-----|
ParamormyropsKingsLeyae |-----|-----|-----|-----|-----|-----|-----|-----|
    
```

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Majority -----
          |-----|
          |         |         |         |         |         |         |         |
          | 41930   | 41940   | 41950   | 41960   | 41970   | 41980   | 41990   | 42000   |
          |-----|-----|-----|-----|-----|-----|-----|-----|
Human     |GCCGGGCAGAGACGCTCCTCACTTCTTAGATGGGATGGCGGCCGGGAAGAGGCGCTCCTCACTTCTTAGATGGGATGGCG| 42000
AsianBonytongue |-----|-----|-----|-----|-----|-----|-----|-----|
Reedfish   |-----|-----|-----|-----|-----|-----|-----|-----|
NorthernPike |-----|-----|-----|-----|-----|-----|-----|-----|
SpottedGar  |-----|-----|-----|-----|-----|-----|-----|-----|
ParamormyropsKingsLeyae |-----|-----|-----|-----|-----|-----|-----|-----|
    
```

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Majority -----
          |-----|
          |         |         |         |         |         |         |         |
          | 42010   | 42020   | 42030   | 42040   | 42050   | 42060   | 42070   | 42080   |
          |-----|-----|-----|-----|-----|-----|-----|-----|
Human     |GCCGGGCAGAGACCTCCTTTCTTTCCAGACTGGGCAGCCAGGCAGAGGGGCTCCTCACGTTCCAGACGATGGGCGGCCAG| 42080
AsianBonytongue |-----|-----|-----|-----|-----|-----|-----|-----|
Reedfish   |-----|-----|-----|-----|-----|-----|-----|-----|
NorthernPike |-----|-----|-----|-----|-----|-----|-----|-----|
SpottedGar  |-----|-----|-----|-----|-----|-----|-----|-----|
ParamormyropsKingsLeyae |-----|-----|-----|-----|-----|-----|-----|-----|
    
```

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Majority -----
          |-----|
          |         |         |         |         |         |         |         |
          | 42090   | 42100   | 42110   | 42120   | 42130   | 42140   | 42150   | 42160   |
          |-----|-----|-----|-----|-----|-----|-----|-----|
Human     |GCAGAGACGCTCCTCACTTCCCAAACGGGGTGGCGGCTGGGCAGAGGCTGCAATCTCGGCACCTTTGGGAGGCCAAGGCAG| 42160
AsianBonytongue |-----|-----|-----|-----|-----|-----|-----|-----|
Reedfish   |-----|-----|-----|-----|-----|-----|-----|-----|
NorthernPike |-----|-----|-----|-----|-----|-----|-----|-----|
SpottedGar  |-----|-----|-----|-----|-----|-----|-----|-----|
ParamormyropsKingsLeyae |-----|-----|-----|-----|-----|-----|-----|-----|
    
```

```

Majority -----
          |-----|
          |         |         |         |         |         |         |         |
          | 42170   | 42180   | 42190   | 42200   | 42210   | 42220   | 42230   | 42240   |
          |-----|-----|-----|-----|-----|-----|-----|-----|
Human     |GCGGCTGGGAGGTGGAGGTTGTAACGAGCCGAGATCACGCCACTGCACTCCAGCCTGGGCACCATTTGAGCACTGAGTGAA| 42240
AsianBonytongue |-----|-----|-----|-----|-----|-----|-----|-----|
Reedfish   |CCTCCCGATCGCTCAGTTTAGATGGCCGCGCCAGCTCTAGGAAGAGTCTGTTGGTGGTTTTGAACTTCTTCCACTTACAGGTG| 80
NorthernPike |-----|-----|-----|-----|-----|-----|-----|-----|
SpottedGar  |-----|-----|-----|-----|-----|-----|-----|-----|
ParamormyropsKingsLeyae |-----|-----|-----|-----|-----|-----|-----|-----|
    
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Majority -----
                |-----|
                |42250|42260|42270|42280|42290|42300|42310|42320|
                |-----|
Human           |CCAGACTCCGTCTGCAATTCCGGCACCTCGGGAGGCCGAGGCTGGCGGATCACTCGCGGTTAGGAGCTGCAGACCAGCCC| 42320
AsianBonytongue|-----| 0
Reedfish       |ATGGAGGCCACTGTGCTCATTTGGGACCTTCAAAGAAGCAAAAATTTTCTGTAACTTCCCCAGATTTGTGCTCGAGAC| 160
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |42330|42340|42350|42360|42370|42380|42390|42400|
                |-----|
Human           |GGCCAACACAGCGAAACCCCGTCTCCACCAAAAAAATACGAAAACCAGTCAGGCGTGGCGGCCGTGCCTGCAATAGCAG| 42400
AsianBonytongue|-----| 0
Reedfish       |AATCCTGTCTCTGAGGTCTACAGACAATTCTTTGACTTCATGCTTGGTTTGTGCTCTGACATGAACTGTCAACTGTGGG| 240
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |42410|42420|42430|42440|42450|42460|42470|42480|
                |-----|
Human           |GCACTCGGCAGGCTGAGGCAGGAGAATCAGGCAGGGAGGTTGCAGTGAGTCGAGATGGCAGCAGTACAGTCCAGCTTCGG| 42480
AsianBonytongue|-----| 0
Reedfish       |ACCTTATATAGACAGGCGTGTGCCTTTCCAAATCATGTGCAATCAACTGAATTTACCACAGGTGGACTCCAATTAAGCTG| 320
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |42490|42500|42510|42520|42530|42540|42550|42560|
                |-----|
Human           |CTCGTCATCAGAGGGAGACTGTGGAAAGAGAGGGAGAGGGAGACCGTGGGGAGAGGAGGGAGGGGGAGGGGGAGGGGGAG| 42560
AsianBonytongue|-----| 0
Reedfish       |CAGAAACATCTCAAGGATGATCAGGGGAAACAGGATGCACCTGAGCTCAATTTTGTGCTTCATGGCAAAGGCTGTAAATA| 400
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |42570|42580|42590|42600|42610|42620|42630|42640|
                |-----|
Human           |GGGGAGGGCTGTTCTGTTTTTTTAACTATGCTTTAGGGATGATATATAATGTACTTTCATGACCAAGGAATCAATCTAATC| 42640
AsianBonytongue|-----| 0
Reedfish       |CATGTGTAATGCATGTGCTGTACATGTGCTTTCTCAGTTTTTTTTTAAATGAATTTGCAAAAATCTCAAGTAAACT| 480
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

```

Majority -----
                |-----|
                |42650|42660|42670|42680|42690|42700|42710|42720|
                |-----|
Human           |TTTTTGTAATGATGGCATAAAATTCCTTTAAGCCTTGTTTTTAATACAAGAAGTCAGTTTATTTAACCTCCATGTACAGAG| 42720
AsianBonytongue|-----| 0
Reedfish       |TTTTTCACGTGTGCATTATGGGATGTTGTGTGTAGAATCTGAGGAAAAAATAAATTTAATCCATTTTGCAATAAGGTT| 560
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority		-----								
		42730	42740	42750	42760	42770	42780	42790	42800	
Human		GAAATACTGAGTTTTAAGATTTTCTATTTTTTCTGACAAAAATGAAAGTCTGCATATATTCTAAGAGACACCAATTT								42800
AsianBonytongue		-----								0
Reedfish		GCAACATAACAAAATGTGGAAAAAGTGATGTGCTGTGAATACTTCCGGATGCACTGTATGTATGTATGATAACCTCCAA								640
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		42810	42820	42830	42840	42850	42860	42870	42880	
Human		GAATACTGTTGCTTATAAGAGCAAATAGCATAAAAAGACCTTAAAAATGGTGATTATATTTGCCTGGAAAAATACTCCA								42880
AsianBonytongue		-----								0
Reedfish		ACATTTCTTAAACCCATGTATAAGCTCCTTGCATCTTCTGCTGGTAGTTTCTCCAGCTCTTTAGTTCTGGCTCGAGTGC								720
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		42890	42900	42910	42920	42930	42940	42950	42960	
Human		TGTAATTCAGATGACTCAAAGGACGTTGGTAGACAATGTTACAAGGACACTTTTATGGTTATCAGATATAGTACAGGAT								42960
AsianBonytongue		-----								0
Reedfish		TTGCAGGTATTTGTTTGCAAAAAGCAGATTTTAGCTCCATTCAAGGATGTTTAATTTGGTTAAGATCATGACTGTTTAT								800
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		42970	42980	42990	43000	43010	43020	43030	43040	
Human		TTCATTTTTATGTTCCAGCTTCCAGCTTTATCTAAAATATTTCTTGTAATAGATTTTACTGTAGAATTGTTTCCTAAGGC								43040
AsianBonytongue		-----								0
Reedfish		CTATACCCAGTGATTTGTTTGATGTTGGCTTTATTTATCTACCAAAAATCTGTCTACTACAATATGTAAAACATTGATT								880
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		43050	43060	43070	43080	43090	43100	43110	43120	
Human		ATCTGTCTCAACAGCCTTTCCCTTATCTGTGCAGACTTTTCTTTCTCTGTACTTGTTGAATAGGTGCTTTTTGTCAAAGA								43120
AsianBonytongue		-----								0
Reedfish		ACGTCCTTAAGAGTCTTTATAGATGATGGGAAAGTATTTACTCACATTATGAAAAACATCAATTTCAAATACTTTGCTAG								960
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		43130	43140	43150	43160	43170	43180	43190	43200	
Human		AAAAAATAATTTTACAGGTGAAAAATTTTCATGTTATTAGAACTTAATCTCAGGTAAATAAATGTTTAATAAATTGATA								43200
AsianBonytongue		-----								0
Reedfish		TTTAGTATCTTTATGTTTAAATGTGCTCTTGCTGTCCTAAAGCACTTGACCTCCTCTTTCTGTATTTAATACTATTTCT								1040
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
43210	43220	43230	43240	43250	43260	43270	43280
 Human CAGTAAGGACATTTTCTAATGAATTGGTTCCTTCAAGAGATATAAAAAGTGAAATATTTCAAAAATACAACGTTCCTAAG 43280
 AsianBonytongue ----- 0
 Reedfish CTCTAACTACCTTTTAGCATTCTTAATTCAGACACTTCTGTAATAAATACTATTACATAATGTTCTGAGTCTTTCTGGG 1120
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
43290	43300	43310	43320	43330	43340	43350	43360
 Human TAGCATTAGAATTTGATTTTGTAAATTTGTAACATTTTAGCAGTGACTATGAGGCTTGACAATTTCTAAGGTACAGTCTC 43360
 AsianBonytongue ----- 0
 Reedfish TAACCCTAGTATAATTTTATGTTTGTCTGTTCCCTGTGTGTTTTTAAATAAGAAGGTAATTTTAAAAAGTCTTGCTGGG 1200
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
43370	43380	43390	43400	43410	43420	43430	43440
 Human TT-TAATTTTCTAGTGATTTCTTTGTAGCTACGGAACCTGGAATATCCCTTTAGGTATACATATTTCTGCCAGTGGTGATT 43439
 AsianBonytongue ----- 0
 Reedfish TAGTAGAATTCATCTTCAGCAACTCTGTATCTAATTCAGTATGACTTTGTCAACAAACATCTTTATATATAATCTTC 1280
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
43450	43460	43470	43480	43490	43500	43510	43520
 Human GTTACTCTGTAATAGCAGGATTTTCTGAAAATTATTGCTAAACATGACATTTTGTCTCTACCTGAAAGCAGTTAAACCATT 43519
 AsianBonytongue ----- 0
 Reedfish ATTTGGATCTTGATCTTTGTTTGTCCGCGACTTCATGTTCCCTGACACTGCCTTGGTTGTTACTTTTGTTTACAAACAC 1360
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
43530	43540	43550	43560	43570	43580	43590	43600
 Human CCATAGAGTCTGGAACATTTTACTTAGAACTCTTTTAAGATTTTCATTTTAACTTTTACAGACATATTTTGGAGGTGATG 43599
 AsianBonytongue ----- 0
 Reedfish TGTCGATACCACTCTTTGTGTTTAGATCTGGCGTCGACACCTGCTTATTGTCGAGACTGTGTTTTTTCTGTTTCTATC 1440
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
43610	43620	43630	43640	43650	43660	43670	43680
 Human TCATTTCTTTTGGCTATAATGTTTTGAAAGTATTCAGTAGATTATTTTCATAGTTTTACTATTTATAAAGGTTTTAACAAC 43679
 AsianBonytongue ----- 0
 Reedfish GACTGTCGTTGGCAGCACTTCGTCAAAATCAAATGTTGACCCGCTTCTTGGAGTCGGCAGTCAGAGTATATAAGTCGGAC 1520
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority	-----								
	43690	43700	43710	43720	43730	43740	43750	43760	
Human	TCATCTTCTTGCATATAAAGGTAGTGAGAGCCTTATTTTCATAGTGTACTATTTATGAGGGTTTTAACAACTTATCTTCT								43759
AsianBonytongue	-----								0
Reedfish	ACACTTCTGTGATTTTCCATCAGTCGGCGTTTGGAGTTGAAGAAAGAAGCATTGGTCTCTCCTTACTCTTTGGACTGCCA								1600
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	43770	43780	43790	43800	43810	43820	43830	43840	
Human	TGTATATAAAGGTAGTGAGAGCCTTCTCTAGGTGCCTTCTGTGTTTTTCCAGCTCATGCCTAATATGCTTTTGACAAC								43839
AsianBonytongue	-----								0
Reedfish	CAAAGCAACCTGCGAGATTGGAGAAAGGTTGAGAAGAGATCGTGAGAGGAAACGACAGCGTCGTGAAAACGAGACGGACT								1680
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	43850	43860	43870	43880	43890	43900	43910	43920	
Human	CACCACAACTACTTGAAATACAAGAGTTAATAGTTACCTTTTACGAAACCTGGTGAGGCTTTTTCGCTGGTGGCTG								43919
AsianBonytongue	-----								0
Reedfish	GTGAACAGAGACAAGCAGAAATGCTCCTCCACCACCACATAATTACTATTTCGGACAGTGATTCCGAATAGGCCGTTCTTA								1760
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	43930	43940	43950	43960	43970	43980	43990	44000	
Human	TTGCAGAAACAGCCAACAGAATAGCAGAAGTACCACCTATCTGCACCTACCTGCTTTTTTCTCTTTAACTCTTCTTTGG								43999
AsianBonytongue	-----								0
Reedfish	TCGAATCAATGTCCAAGGGTTTGTGTTGTAATTTGTTTTCCCTTATAAAAAATCATAATGCTGTGCGACGAAGGGCCCA								1840
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	44010	44020	44030	44040	44050	44060	44070	44080	
Human	AATTTGTTTCTCATAACAGAAAGAGTAGCAGCATTCAATTTTTTTTTTCTTAGCTTAGAGTCTTTTATTTTGTTTTTTGT								44079
AsianBonytongue	-----								0
Reedfish	GTTACGACTGGTAGCCGCTTTAAACAGGGAGCCCTTCACAGACAACCTTTAACACGCGCAACGTAGTCGGGCGCACATG								1920
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	44090	44100	44110	44120	44130	44140	44150	44160	
Human	TTTTCTAAAGCTAGAAAACACTGC-TTTCCTTGAAGTCTAAAACCTGCTTAGAATTAACCTCTTTGCCTCTCAGTTTC								44158
AsianBonytongue	-----								0
Reedfish	GCTAGTTTTATAATATTTTGCTATATTTTCTATTTGCAAAAAAATAAAAAAGCTGTACATTCTGACCTACACTTCAA								2000
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
          |-----|
          |44170|44180|44190|44200|44210|44220|44230|44240|
          |-----|
Human      ATATTTGATAAAGAGAGATTAGGAAAAC TTTATAAATGTGTGTCTCTGAAAGACTTGGAGAATGAAGATGTACCTAAGTT 44238
AsianBonytongue ----- 0
Reedfish  ATGTCTTTTGTGCTTTGGTTTCAGAGAGGATCTGATGAAC TCTATCTAGCAGTTTATACAACAGTCCCAACTCTAATAT 2080
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          |-----|
          |44250|44260|44270|44280|44290|44300|44310|44320|
          |-----|
Human      TTGTCACTGATTTTCATTTGGACAGAAGTATAAGGTTTGGCCGTGTCGTATTTTATATTTGTACACAGTTGAAAGTATAAC 44318
AsianBonytongue ----- 0
Reedfish  GAGTGGAAATGGTGGTAACTGGTAAAGTGTATTTGGCAGTTTTTGTATGTTCTGTAGATCTGACAGTTGGCAAGTCAAATTT 2160
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          |-----|
          |44330|44340|44350|44360|44370|44380|44390|44400|
          |-----|
Human      GGTGAATGAGTAGGACTAAAATAATTTACAAATTATATGAGAAAGTAGGCCAGGTGCTGTGGCTCATGCCTGTATTTTCAG 44398
AsianBonytongue ----- 0
Reedfish  TAACGGGGTACTAGTGCACAAAAATAGTCTACAGGATTACAAGCAATCTTTTGGCTAAAATATAAATACATTTAAATAA 2240
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          |-----|
          |44410|44420|44430|44440|44450|44460|44470|44480|
          |-----|
Human      CACTTTGGGAGGCTGAGGCAGGTGGATCACTTGAGGCCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCCATC 44478
AsianBonytongue ----- 0
Reedfish  TTATATAGCCAATTACATTTAGAATGCCTTTTGAGCTGTCTAGATTATGAC-ATTTTCCTCTAAATAATGTTTTAATTA 2319
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          |-----|
          |44490|44500|44510|44520|44530|44540|44550|44560|
          |-----|
Human      TCTACTGAAAATAGAAAATTAGCTGGGTGTGGTGGTGCACACCTGAATTC CAGCTACATGGGAGGCTGTGGCAGCAGAGA 44558
AsianBonytongue ----- 0
Reedfish  TCTGCATATACAGAAAAAACTTAGATGTGGTGTAAATTTTCTCATTCTCCAGCTAATGGAAATGATAGTAAGAAGTT 2399
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
          |-----|
          |44570|44580|44590|44600|44610|44620|44630|44640|
          |-----|
Human      ATCACTTAAACCTGGGAAGTGGAGGTTGTAGTCAACCAAGATCATGCCACTGCACTCCAGCCTGGCAATACAGCAAGACT 44638
AsianBonytongue ----- 0
Reedfish  ACGAGTAGAAGATAGGATGGACTGTCCACCATCACGTGTTCTTCACATCAGAAAGCTGCCTAATGAAGTTTCAGAAACAG 2479
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority	44650	44660	44670	44680	44690	44700	44710	44720	
Human	CTGTCCTTAGATAGATAGATAGATAGATAGATAGATAGATAGATAGATACTGTGAAACCCAGTGCTAGAGTGTATATTT								44718
AsianBonytongue	-----								0
Reedfish	AAGTAATTGCCTTAGGTTTACCATTTGGCAAAGTTACAAATATTCTGATGCTGAAAGGAAAAATCAGGTATGTTAACTA								2559
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	44730	44740	44750	44760	44770	44780	44790	44800	
Human	AATAAGTAAAGATAGGTAGAGTATCGGAACAAAAACAGCATGGGAAACTAACAAATTTTGGGGAATGAATGAGTAATCAGG								44798
AsianBonytongue	-----								0
Reedfish	TACTGTAATTTTTTTTCTTATTAATAAAGTGCTACTGCTTATTGGTAAAATTACATTTTAATTGGGACAGTGACTGGGT								2639
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	44810	44820	44830	44840	44850	44860	44870	44880	
Human	ATTCAAAGCAAGTATCAAATGAGTCGGGAAATTAGAAAAGTAGAAATTGAAGTTTTTAGGGTGCTATTAGAGAAATTC								44878
AsianBonytongue	-----								0
Reedfish	GGATATATGCTAATGTAGGTGATATTCAAAGAAAAACAAACTTGGAAATTTAATTATGTTGACATTGGAGCTCATTTGTTG								2719
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	44890	44900	44910	44920	44930	44940	44950	44960	
Human	GTGAGGAAGAGAGGGTTCACAGTTCCTTGTGACTGATGGATGTGGTGATTTAACAAATTACCCATGATCCTTGCCGACA								44958
AsianBonytongue	-----								0
Reedfish	ACATTAAATTCACITTTCTGTGATGTTATTAATAATAAGAATTTATTATGTACTAGAATGAATATTACATATATGGAAA								2799
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	44970	44980	44990	45000	45010	45020	45030	45040	
Human	CCCATTTATGTAAAAATTGCAGGTTAAAGCTAGTGGAGAACAAGGTCAGTCAGCAGGAGAAAAGTGATGTACTGATCAG								45038
AsianBonytongue	-----								0
Reedfish	ATTATTAAACACAAAATGTAATCTTATTAGATGCTTAGCAACTTTTGTGTAGCATTCTACATAAAGCATTTTATGCCCTT								2879
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	45050	45060	45070	45080	45090	45100	45110	45120	
Human	AGGTGAAGATGCTGGCTTTAGAATTGAGGTGAAAACTGGTTTTGAGTTTGGGAAGAGAAGTATTCAAGTAGAAACCATTT								45118
AsianBonytongue	-----								0
Reedfish	GCAAGCAAGTGTGGTCTCTTTCTCTCTGCACTTTAATGGAGTTGTACTTTGAGTTCAAATTTTCATTGATTTAATTAATC								2959
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority		-----								
		45130	45140	45150	45160	45170	45180	45190	45200	
Human		TAAAATTTTATTTGCTTTGAATCCGTGATTACATGAACATCTTCCCTAAGCAAGAGGCTTTGAAAGAGTTGAATAATGTA								45198
AsianBonytongue		-----								0
Reedfish		AAACAATTTAATTACATTTATGTAGCACTTTTCTAA--CCTACTCAAAGCACTTTACATAGGCAGTGGGGAAGCACCTT								3036
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		45210	45220	45230	45240	45250	45260	45270	45280	
Human		TGGAAAATGGTGTGCTTAAAGATTTTTTACATTCATATACAATGAATAAAATTTATATGCATAAAATAAAGCATTACCTC								45278
AsianBonytongue		-----								0
Reedfish		AACCACCAACCAGTATGTGGCATCCACCAGCATGATGCGACCACATACATTCTTGACTTGTATACTTACCACATATTAC								3116
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		45290	45300	45310	45320	45330	45340	45350	45360	
Human		ATGCCTTCTTAACTGAACATAAACATTTGAATTATTACTGGTTTTACACGCCCAAACAAAAGTTCTGGGTTTACTGGAGG								45358
AsianBonytongue		-----								0
Reedfish		CTATTAAATGATGAAGGAGTAAATAGCCATTAGAGATAGGGGTGATTAGAATGAACAAGGCCGTGATGGGCAATTTA								3196
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		45370	45380	45390	45400	45410	45420	45430	45440	
Human		AATGGAAGGGAAAGATCTCTTTTCATTCACCCAGTAAACCTTTCCCATTCAGGATCATGGGAAGATGCTGAAGAATTGTAG								45438
AsianBonytongue		-----								0
Reedfish		GCCAGGACATTGGGAAACACCCACTCTCTTCGATCCCTAGGGTTGTTTTATGACCATAGAGAGTCAAGACCTCTGTTTT								3276
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		45450	45460	45470	45480	45490	45500	45510	45520	
Human		AATGTAACACAGGCAGACCTAATGCTTCATAAGCTAATGTTTCCATTTTGGACCCTTTTCGGTGTGCTGGAGTGTG								45518
AsianBonytongue		-----								0
Reedfish		ACATCTCATTCGCATGACAATGCCAATTTTACAGTACAGCATTCCATAATTTCACTGGGGCATTAGGGTTAACACACA								3356
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		45530	45540	45550	45560	45570	45580	45590	45600	
Human		TTTATATTTGAAAATAGGCTTTGTTATATTATTAAGGAGCCCCCATTCACAGTTTCACATTCTCATAGTATCATTTATT								45598
AsianBonytongue		-----								0
Reedfish		GACTACAGTGAGAGCCCCCCCCAACCCCCCACTGGCCTAACTAAGATATTTGCTCAATATATGCAATTGCACTTTGAGCA								3436
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

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Majority -----
                |-----|
                |45610|45620|45630|45640|45650|45660|45670|45680|
                |-----|
Human           TAAAATGAAGACTTTTATAATATTTGGCACTAAGATATGAATACTTAGTAGTCACCTCATGGAAGCTATTAAGTGGGGA 45678
AsianBonytongue ----- 0
Reedfish       TATAAGGCAGAAGTGTCAAACCTAAGGCCTGCATGTTTTTTAAAATGACTTTCATCCTTTTATTAATGTGTTATATACAG 3516
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |45690|45700|45710|45720|45730|45740|45750|45760|
                |-----|
Human           GTGTCAGGTAGTGTAATGTTGATAGTTTACTACAGTAACTGGCTTGGTCTTTGGGAGAAGAGGACAGATCTTTTTTAGG 45758
AsianBonytongue ----- 0
Reedfish       CCCATTGTCACCTTTTATGTTTTTACAAAACTCTTTGATGTGTGTTTCATATAGATTGTATCGGTATATGATTTAACTAAA 3596
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |45770|45780|45790|45800|45810|45820|45830|45840|
                |-----|
Human           CAACCTGTATGTAATGTAATGTTTGTTTTTGAGATCCTACTATAGTGTAGTTGTTGAAGAGCACAGACTATGGAATCATG 45838
AsianBonytongue ----- 0
Reedfish       TTACTTTTACACCTGGCATTACAGCACATCTCTAGTGTCCAGTAGCTCAAATCTTCACTCATGGACACCTGTGTTTATG 3676
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |45850|45860|45870|45880|45890|45900|45910|45920|
                |-----|
Human           CTCCTTGAGTTTAACTCTTCTCTGCTACTTCTGTCTATAACCACTTAGTAACTATCTAATCTTGGGCATTTAACTAATT 45918
AsianBonytongue ----- 0
Reedfish       TAGAACATATATCATATCATTGAGAAATATCTAATTTGATCTAATTTCTGTGTCTAGAGGACACCATAAAAAAGATGGGTT 3756
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |45930|45940|45950|45960|45970|45980|45990|46000|
                |-----|
Human           GTTACCTGTAAATGGGGTTGATAGGTCATAATGATAGCAATCTGAGAGTTGTAAATTGCCCGGCATGTAGTTAATTAGCA 45998
AsianBonytongue ----- 0
Reedfish       TCAAATCACAGTGACCCCTTTTTTCATTTTATATATTGCTTTGTATTACAATAGTAGTTTTAGGTTGCTGACAGCTAGTAC 3836
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |46010|46020|46030|46040|46050|46060|46070|46080|
                |-----|
Human           GTGAATATTTAAATATTGATGCAAAAATAAAATTACATCTTTTCTATATTTTTTCCAAGAAGTCAAGATCTTTGTCTTATCC 46078
AsianBonytongue ----- 0
Reedfish       ATTCCAGTGTAAGTTAATATATAGGACATTTTAGCCTTGAGATAATACTAAGACTGAAGCTGATGTTTTTCAGAAATTG 3916
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority	46090	46100	46110	46120	46130	46140	46150	46160	
Human	TTTGATTCTCAGAAGTTTCCTACGTTCTTTCTGTGTTATTCAGCTATTTTACTTCTGCTTAATATCCACTATCCAGAAA								46158
AsianBonytongue	-----								0
Reedfish	TTTTGGCTGGAATGTATTTGGCAATGTAACAACACAACCCCTTTAAATGGAATGAATCAGTTGTTAAAAAGCAGCTTA								3996
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	46170	46180	46190	46200	46210	46220	46230	46240	
Human	CATCCAACACAAATCCAAAATAAATTATTTAATTTCTTAATAATAGGTTTAGGCAGGCTTTTGCCTTTTGGGAAT-TAT								46237
AsianBonytongue	-----								0
Reedfish	ATGAATAACGAGGTACTTTGTAATAAATTAATTGATTATATGGTTCACAGATGCTGTAAATAAAATTATGTAAATGTAA								4076
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	46250	46260	46270	46280	46290	46300	46310	46320	
Human	TTTTGGAAAATCATTGAAAGGGGAAGCCTTTTTTCTCCTTATGGGTACAGTGATAGGTAGTATCTTTATTGGTCTTTTT								46317
AsianBonytongue	-----								0
Reedfish	AGTTGGTCAACTGTTTGGCAAATATTTAAATGTTTACTTCTGTACTTTTTTTACTTCAATTAGGCCTTTTATAGAGCTTGG								4156
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	46330	46340	46350	46360	46370	46380	46390	46400	
Human	TTTTCTTGTCTTTCTCCCAGAAGGAAAAGGACAGACCAAATTAGGAGAAACTGAAATTTGCTTTTTTGAGTATCCTGAT								46397
AsianBonytongue	-----								0
Reedfish	AACAGAAGAAGCTGCAATCACCATGGTTAATTATTACACAGCTGTAACACCTCATGTTTCGTAATGTGCCTGTTTTTCATAC								4236
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	46410	46420	46430	46440	46450	46460	46470	46480	
Human	ACCATAACTATAACACATGGGGCTTTAGGTTGGATTGTGAAGTATTTGTTCTCGTTATTCAAACAACTAATGAACAAGA								46477
AsianBonytongue	-----								0
Reedfish	AGTATTCAAATCATAAAGAAGTGAAGACAGACAGTGCTCTCAACCAGGTATGCTTTTATATCAGTAATTCAGTATTGCT								4316
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	46490	46500	46510	46520	46530	46540	46550	46560	
Human	ACAAATTATCAAGTTTCTGTACTCAGACTGCTTTGTCAAAAAAAGGTCTTAGTCTGTATCAGAATAATATGTGTTCCCTT								46557
AsianBonytongue	-----								0
Reedfish	ACATTGTACAAAGTAGATAAATTGAAATATTAGACTTGAAATTTTGCACTGAAATATTAATATTTTTGTTTTGTGCAA								4396
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 46570   | 46580   | 46590   | 46600   | 46610   | 46620   | 46630   | 46640   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   GTTGACTGATGCCGATTGTTGTGTGTGCCATTATGTGTTTTAAAGTATATGTGTATTTTTGGATTCTGTGCTTTAGCT 46637
AsianBonytongue ----- 0
Reedfish TTACTATCATGTGGTTTGATATTCCTGATGGTTTGTATTTTTACAGATTAGAGGCATAAGCAAGATTTCACTATTTTTTTG 4476
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 46650   | 46660   | 46670   | 46680   | 46690   | 46700   | 46710   | 46720   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   TACATTTTCAATTAACGGGCCTAGAGATGATTTTGTAGATAAGATACTACAAAATGCAAAGTTCAGTCTCTTCCTTTTG 46717
AsianBonytongue ----- 0
Reedfish GATAAAGTACTAAACTATCATCGTTTTTGTATGCAAATTAAGGCATTTCAGTGTGTTTGCATTGATCTCAATTAGAATA 4556
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 46730   | 46740   | 46750   | 46760   | 46770   | 46780   | 46790   | 46800   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   ACAAATTCAGGTGCCCTGTGCGCACACAAATCTTTGTTCAGTAGTGAAAGGACATGTGATAGCTTCCTGTAGTTTTTTTCAT 46797
AsianBonytongue ----- 0
Reedfish GGACAATGTCTAAAGGAAATTTTCCCTTGATGTGAAATTCAGTTTGTTCACATGCCTTAAAGTTGAACAACAAAACATCA 4636
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 46810   | 46820   | 46830   | 46840   | 46850   | 46860   | 46870   | 46880   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   ATTTCTGGAGTGGTGAAGAGCTACCCAGCCAAGATTTTCAGGGCAATATATTCAGAAGCCAGAGCTTACTCTTCTGTACA 46877
AsianBonytongue ----- 0
Reedfish GCCTTTTTGGAAGAGGGCTAAATGCTTTTCTGTTGGTAGAGCACAGTTTGCATTTTATTTCTTTTTGTCCCTTCTAAATTT 4716
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 46890   | 46900   | 46910   | 46920   | 46930   | 46940   | 46950   | 46960   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   AAGACAACCTAAGGGGATTTTTAAATGCATTGGCTTGCCGTTCAAGTATATAAACCTAAGTGAAACTCCTAGAGTAAAAAT 46957
AsianBonytongue ----- 0
Reedfish TTATTTTTGCTTTTATTGAGAACTTTGTGTGTATGTGTCTGATTTTGATTTCTGCCCTGGTCCAATAGGTGGATTTAAGA 4796
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 46970   | 46980   | 46990   | 47000   | 47010   | 47020   | 47030   | 47040   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   ATGACTTAAGTATAGCTTGAGTCCATATATTATCACTTAGAGATACCTTCTCTGATCATCCAATAAAGTCATTACTACTA 47037
AsianBonytongue ----- 0
Reedfish ATAAATAAATGAATGGAATTTGTTTTTGTAGCTTATCTTAACCCTTTAAACCGCAACTCCCTAAATATCCCCACGCCAGG 4876
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority	-----								
	47050	47060	47070	47080	47090	47100	47110	47120	
Human	TCAATCTTCCAGTCCCTAGACAAAGTAACCTTTTAAGCACATCACTGTTTTACCTCACAGCATATAACCGTAGAAAGTATCTG								47117
AsianBonytongue	-----								0
Reedfish	CGAAATCTGAACAATTTTCGTTTTTTTACTTTTTTACTGTAAGCGGCCCTCCACAACAATAAACTTTCATCAACTGCAA								4956
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	47130	47140	47150	47160	47170	47180	47190	47200	
Human	G TTCAGGTACTAGTTAGTCCAGCTCCCTACTATAAGGTATCAGGAATCATATAATCATCTTGTTCACTCTCTGTACCCTC								47197
AsianBonytongue	-----								0
Reedfish	CTGACGGTCTGGCATGTAGGGCAACTGAAATGCTTCAAATAAATGATCAATCAAAGGACGTAGCTTGAACAAGCGGTCG								5036
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	47210	47220	47230	47240	47250	47260	47270	47280	
Human	AGAACGTAAACATTGCTAGACACATCCCTGAATACCCAGTAAATGTTTAAGGAATTAATGAGTGAATTAATTTTGAAGA								47277
AsianBonytongue	-----								0
Reedfish	CGGTTTGGATCTTCTTATCTGGCTCATTCTGTGTGCATTCAAATGAAAGAATTCAGCAGCAAAGAGAATCGGTTACG								5116
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	47290	47300	47310	47320	47330	47340	47350	47360	
Human	TACGTTGGAGACCAAGATAATCTGACAGTCTTATAGATGTTGTTGAACATACACAAACACATTATATAGTTTATAGGTTG								47357
AsianBonytongue	-----								0
Reedfish	TGTCATGACAGCTGCAAAAATAGGTGTTGCATACATAGGATCTGTAGACCAGTACATCTCAATATCTGGTTTTCTGATTA								5196
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	47370	47380	47390	47400	47410	47420	47430	47440	
Human	TGTTGAATGTTTTAGGAAATACCATAAATTACCTAAAGTTTTATACAAAATGGAGTATACATGTATATTTCTGAATGTGT								47437
AsianBonytongue	-----								0
Reedfish	TTCCCATCAACATCAAAATCCAATGAATTTTTTCATTTTCGTTTTTCATCAGTGTCAAACCAAGCACGAACACGGGAATGT								5276
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	47450	47460	47470	47480	47490	47500	47510	47520	
Human	CAAGATCCTTCATTTTAGTCTAGTCTCAGAAATATCCTTGAGATCCTAAAAGACTAAGAACCATTGATCTGGCATAGTAG								47517
AsianBonytongue	-----								0
Reedfish	GGAGGTAAATGGGATTTTTCTCAATAAACTATGCTGCATACAGATTTGTCTGATGAACAAAATGCTGATCAAATCAGG								5356
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                |-----|
                |47530|47540|47550|47560|47570|47580|47590|47600|
                |-----|
Human           |ATATACTGCAAGTCCTTCAAACAAGTGTATTTAAATATTACCTATTTTATAGGCATTTTGAATAATATTTTATTTTGTG| 47597
AsianBonytongue|-----| 0
Reedfish       |TGACACAAACAGCTCATAAACTGCTCAGCAGTGAATTGTTTACATCAACAATAAAGCCAGACGTTGCCTCAAACGGAT| 5436
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |47610|47620|47630|47640|47650|47660|47670|47680|
                |-----|
Human           |GTGAAGTTTTGGAATGAAGACAGTTAACTAATTTGTTGATTGAATTATGTTACTTTACTTTAAATCTCACGGTAACAGAA| 47677
AsianBonytongue|-----| 0
Reedfish       |GCAGAAAAGGTAGTTTCACTCGGGCAGCAGTCCAGCTGAGGTGCTGGGGATACACCCACTCAGCGCCGTCATCCGATGCG| 5516
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |47690|47700|47710|47720|47730|47740|47750|47760|
                |-----|
Human           |TAAGGTAATTAAGTTCATGAGTGATTTAGAGTATATTGATGTTAATAGTCACAAAATATTAGGTAGTTTACAGCGCAATA| 47757
AsianBonytongue|-----| 0
Reedfish       |TCTTCATTACAGTATCATGCAGCGCACGTTGCTGCTCATCATTGTCGCTAAAATCTTCTTCAGAACTGCTACAATCATG| 5596
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |47770|47780|47790|47800|47810|47820|47830|47840|
                |-----|
Human           |GTAATATATCAGGAGAGGCTCATTGTAGATAAGCCATAATATGGATTGACTGCATTATCATTTTTATAAACTTTACATTC| 47837
AsianBonytongue|-----| 0
Reedfish       |ATCAGAATTGTCCAAAATCGCTGCAAAGCCTCACTTGAAGTCAGTTTAC-GTTTCGCCATATTCACAGCTGTCACATGC| 5675
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |47850|47860|47870|47880|47890|47900|47910|47920|
                |-----|
Human           |TTTGATCCCACCTTCAAGTACATTTTTCAAATCAAACAATTTATAATTTCTCAGGTAAAATTATAATCTTCTTAATTTTG| 47917
AsianBonytongue|-----| 0
Reedfish       |GAATCAGTTCACATGACCGCCAAAACAACCACAGACTTGTGCGAAATGCAATGTAGTAATAATACCCACGCCAAACCGTC| 5755
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |47930|47940|47950|47960|47970|47980|47990|48000|
                |-----|
Human           |GTCAAACCAGTTTTTCACTTTTTAAAAATGTTTCATATTAGTTCATTATAAGATGATTAAATTACAAGATACAGTCATAA| 47997
AsianBonytongue|-----| 0
Reedfish       |AGTTATACTACTTGCCAGGCATTCATATAACCACAGGCAAATGTGCCGGATAAATCCGGCAGTATGGCGTTAGCAATAAA| 5835
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority	-----								
	48010	48020	48030	48040	48050	48060	48070	48080	
Human	ATCTTGGGGATAGTGATGAGGATACTCTCGGAGAAATGCATTGTTAGGTAATTTTGTCACTGCATAAATGTCATAGAGTA								48077
AsianBonytongue	-----								0
Reedfish	ACAGCGGTGCCGAGGGGTTAATAGTCATGCTTGAATCCAAGCAAAGTTATAAATGAGACCCCTGGTGTGGAATTTTCCA								5915
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	48090	48100	48110	48120	48130	48140	48150	48160	
Human	CATTTGCACAAACCTGCTACACATGTAGGCTATATGGTATATGTAGCCTTTTGTCTTAGGCAACAAATTTGACAGCATG								48157
AsianBonytongue	-----								0
Reedfish	CTTGTAGTGTGTTTTTTTTTTTTTTTTTTTTTTTTTGTGTTAGTGTGTTTTTTTTTTTTTGTGTGTGTGTGTGCCATGCAG								5995
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	48170	48180	48190	48200	48210	48220	48230	48240	
Human	TTACTGTTCTGAATACTGGAGGCAGTTGCAACACAGTAATAAGTATTGATG-TATCTAAACAGAAAAGGTACAATAAAAA								48236
AsianBonytongue	-----								0
Reedfish	CACTCTTGAAAATACATGGGTGTTGTCAATTTGCATGTACAGCATATTGAAACTGTCACATTTTATGGGGATCCCTTTAA								6075
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	48250	48260	48270	48280	48290	48300	48310	48320	
Human	TATGGTATTATAATCTTATGGGACCACCATTGTATATGTGGCCTGTCAATGACCAAAATGTAGTTATGTGGCACATGACT								48316
AsianBonytongue	-----								0
Reedfish	GCCTCTTTATCCATATAGTTGATTGAGTGATGGTGCTACGTGTTACTCACTACTTCACGAGAGTCCCCAACCCAGTTG								6155
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	48330	48340	48350	48360	48370	48380	48390	48400	
Human	GTGATTGTATTCTTTAGTCATTGGACAGTTTCTTTATGAGATTACATTTTAAATGTTGTTGCTTATTAATAATTACTCTTT								48396
AsianBonytongue	-----								0
Reedfish	TTGATAGCATGTCTTAAATATATATTGTCTCACAGTCCACCCTGCATGGGGAGTGCTTTGAGTAGTGAGAAAAGCACTAT								6235
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	48410	48420	48430	48440	48450	48460	48470	48480	
Human	ATAATACTGTTAAGAAACATTAACAGCAATCTTAAATAGTTGATAATTT---CATTTAATAATAATAGGTGGATATGATT								48473
AsianBonytongue	-----								0
Reedfish	ATACAGTGGTGCAAAAAAGTATTTAGTCAGCCACCAATTGTGCAAGTTCTCCCACTTAAAAAGATGAGAGAGGCCTGTAA								6315
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 48490   | 48500   | 48510   | 48520   | 48530   | 48540   | 48550   | 48560   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   TTATTCCTTTGAAAGCCTGGCATTGAAATTTCAAGAATTATTTAAGTATTCTCAGCTATGTTTTTAAGTCTTTTTTGG 48553
AsianBonytongue ----- 0
Reedfish TTTTCATCATAGGTATACCTCAACTATGAGAGACAAAATGAGAAAAAAATCCAGAAAATCACATTGTCTGATGTTAAAG 6395
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 48570   | 48580   | 48590   | 48600   | 48610   | 48620   | 48630   | 48640   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   AATTTGTAGTTTTTTTACACAAATAGGAAAATTCATACATTCTTTTATTGTTGATATATAAGGACTGTTTTTTAATGTCT 48633
AsianBonytongue ----- 0
Reedfish AATTTATTTGCAAATTTATGGTGAAAATACAGTGGGGCAAAAAGTATTTAGTCAGCCACCAATTGTGCAAGTTCTCCCA 6475
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 48650   | 48660   | 48670   | 48680   | 48690   | 48700   | 48710   | 48720   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   TTCAGCCAATGGTAATGATAGTAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTC 48713
AsianBonytongue ----- 0
Reedfish CTTAAAAAGATGAGAGAGGCCTGTAATTTTCATCATAGGTATACCTCAACTATGAGAGACAAAATGAGAAAAAAATCCA 6555
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 48730   | 48740   | 48750   | 48760   | 48770   | 48780   | 48790   | 48800   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   GAAAATTACCTGGGGAAGTAACAGAAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATG 48793
AsianBonytongue ----- 0
Reedfish GAAAATCACATTGTCTGATGTTAAAGAATTTATTTGCAAATTTATGGTGAAAATACAGTGGGGCAAAAAGTATTTAGTC 6635
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 48810   | 48820   | 48830   | 48840   | 48850   | 48860   | 48870   | 48880   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   CTGAAAGGAAAAAATCAGGTACACTTCTTTCAGGGTTT--A-----TGAAATGTTAAACCCCAAACTATCCAGCAGGTG 48865
AsianBonytongue ----- 0
Reedfish AGCCACCTATTGTGCAAGTTCTCCCACTTAAAAAGATGAGAGATGCCTGTAATTTTCATCATAGGTATACCTCAACTATG 6715
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      |-----|
      |         |         |         |         |         |         |         |
      | 48890   | 48900   | 48910   | 48920   | 48930   | 48940   | 48950   | 48960   |
      |-----|-----|-----|-----|-----|-----|-----|-----|
Human   TGAATTAATTGTAAGGGAGAAAATAGTAGGTTATTTTTCTTAAAGAACAGAAGTCTTATTCTCACTTTTTTCGAGTAGA 48945
AsianBonytongue ----- 0
Reedfish AGAGACAAAATGAGAAAAAAATTCAGAAAATCACATTGTCTGAGTTTTTAAAGAATTTATTTGCAAATTTATGGTGGA 6795
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority	48970	48980	48990	49000	49010	49020	49030	49040	
Human	TGTCTGTGGGAAACTAATGCTAGGTAGCCAAAGTGAGTGAATCACTATAGTTTTTAACTTTGTCTTTTGAATTGACTTT								49025
AsianBonytongue	-----								0
Reedfish	AATAAGTATTTGGTCACCTACAAACAAGCAAGATTTCTGGCTCTCACAAACCTGTAACCTCTCTGTAAGAGGCTCTCT								6875
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	49050	49060	49070	49080	49090	49100	49110	49120	
Human	AGGGCTCTAATTGAATAATTGTATGAAATTGTGGAAAATACAAATGAAGTATTTCTTTTACTGTGGCTCTGTTCTTTGG								49105
AsianBonytongue	-----								0
Reedfish	GTCCTCCACTCGTTACCTGTATTAATGGCACCTATTTGAGGTTGTGGACAGGTATCTTTTATATTGATAACGAGTTCAAA								6955
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	49130	49140	49150	49160	49170	49180	49190	49200	
Human	TA-TCAGAAATCAGCAGGGTACTAGTCGCATCTTTCCTTAAGCTTTATGAGAATATGAAATTTTATTTAAAAATGTTAA								49184
AsianBonytongue	-----								0
Reedfish	CAGTCACACTCCAAACTCTACTATGGCCAAGACCAAGAGCTGTCAAAGGACACCAGAAACAAAATTGTAGACCTGCACC								7035
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	49210	49220	49230	49240	49250	49260	49270	49280	
Human	ATGATACCATTTAGAAGAATTTATGAAATTTAACTCCCTTTTATATACTTGAGGTTAATCTGACATTTAATTTGTAAT								49264
AsianBonytongue	-----								0
Reedfish	AGGCTGGGAAGACTGAATCTGCAATAGGTAAGCAGCTTGGTGTGAAGAAATCAACTGTGGGAGCAATTATTAGAAAATGG								7115
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	49290	49300	49310	49320	49330	49340	49350	49360	
Human	TTTGTCTTTGTCTCTATATAATTATACTGCTTTTAAAATGACTTGAAATCTTACATTTCTTAGGGTAGAAGTGGTAAA								49344
AsianBonytongue	-----								0
Reedfish	AAGACATATAAGACCACTGATAATCTCCCTCAATCTGGGGCTCCACGCAAGATCTCATCCCGTGGGGTCAAAATGATCAC								7195
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	49370	49380	49390	49400	49410	49420	49430	49440	
Human	ATTCTGATGCTAGAAAATGTTTACATTTTCTCTAGCATTTGTTGCAAGAATAGATTTGTGGGTGTGAAAAATCATAGGTG								49424
AsianBonytongue	-----								0
Reedfish	AAGAACGGTGAGCAAAACTCCCAGAACCACAGGGGGGACCTAGTGAATGACCTGCAGAGAGCTGGGACCAAAGTAACAA								7275
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
          |-----|
          |49450|49460|49470|49480|49490|49500|49510|49520|
          |-----|
Human      |GAAGGCAGAAGCAGCGTGTACTCGGTTTTTCT----TCTGAGGTTAGCTTTAACTGTATACCTAAACTTCAACAAGAGATT| 49500
AsianBonytongue |-----| 0
Reedfish   |AGGCTACCATCAGTAACACACTACGCCGCCAGGAATTCAAATCCTGCAGTGCCAGACGTGTCCCCTGCTTAAGCCAGTA| 7355
NorthernPike |-----| 0
SpottedGar  |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
          |-----|
          |49530|49540|49550|49560|49570|49580|49590|49600|
          |-----|
Human      |TCTAATTCTGCTTATCAGAACATTTAAAAGTAACCTGAAGGATTATATTCTAGATAAATTGATTAAAATCATCTGAATAGA| 49580
AsianBonytongue |-----| 0
Reedfish   |CATGTGCAGGCCCATCTGAAGTTTGCTAGAGAGCATTGGATGATCCAGAAAAGGATTGGGAGAGTGTCCATATGGTCAGA| 7435
NorthernPike |-----| 0
SpottedGar  |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
          |-----|
          |49610|49620|49630|49640|49650|49660|49670|49680|
          |-----|
Human      |TTGCTTAGATATTAATTTTATTTGAATTTATAGTATTAATAATTGTGCTACTTAAATTTTCAGGCATTTTGGAACTAGC| 49660
AsianBonytongue |-----| 0
Reedfish   |TGAAACCAAAATAGAACTTTTTGGTAAAACTCTACTCGTCGTGTTTGGGAAGAGAACGAATACTGAGTTGCATCCAAAGA| 7515
NorthernPike |-----| 0
SpottedGar  |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
          |-----|
          |49690|49700|49710|49720|49730|49740|49750|49760|
          |-----|
Human      |AACCGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTTCGTAACCAACCAATATATATCC| 49740
AsianBonytongue |-----| 0
Reedfish   |ACACCATACCTACTGTAAAGCATGGGGTGGAACATCATGCTTTGGGGCTGTTTTCTGCAAAGGGACCATGACGACTG| 7595
NorthernPike |-----| 0
SpottedGar  |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
          |-----|
          |49770|49780|49790|49800|49810|49820|49830|49840|
          |-----|
Human      |AGTACTCGAATCACAAAGAACTAAAGACAGATAATACATTAACCAAGTAAGTATGTGTAGGTACATAAAATAAATGGCC| 49820
AsianBonytongue |-----| 0
Reedfish   |ATCCGTGTAAAGGAAAGAAATGTATGGGTCCATGTATCGTCAGATTTTGAGTGAAAACCTCCATCTCAATGCCCTTGCTG| 7675
NorthernPike |-----| 0
SpottedGar  |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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```

Majority -----
          |-----|
          |49850|49860|49870|49880|49890|49900|49910|49920|
          |-----|
Human      |TAGAACATATATGAATCTCATAAACATTAATAGGAAGGAAATGTTTACCTGTTTCAGATGTTCCCTTATAGGCATTTTCTT| 49900
AsianBonytongue |-----| 0
Reedfish   |ATGGAAATGTGGCTGGGTCTTTTCAGCATGACAATGATCCCAAACACACCACCCGGGTAACGAAGGAGTGGCTTCATAAGA| 7755
NorthernPike |-----| 0
SpottedGar  |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                |-----|
                |49930|49940|49950|49960|49970|49980|49990|50000|
Human           |GTTATTTTAAAGGTATTTTCATGCAGAATGTTTCTAAGTATTAAATACTATGTCATTTTGAATTCCTTTAATCCCCTGGT| 49980
AsianBonytongue |-----| 0
Reedfish        |AGCATTTCAAGGTCCTGGAGCGGCTAACCAGTCTCCAGATCTCAACTCCATGGAAAATCTTTGGAGGGAGTTGAAAGTC| 7835
NorthernPike    |-----| 0
SpottedGar      |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                |-----|
                |50010|50020|50030|50040|50050|50060|50070|50080|
Human           |CAAATGTTCTTTTCTTGTGCAAGTTAAAATTTTGTGTAGAACTTATCAGGTAGGATTTATTATTAGCATAAACTGT| 50060
AsianBonytongue |-----| 0
Reedfish        |CATGTTGCCAGCGACAGCCCCAAAACATCACTGCTCTAGAAGAGATCTACATGGAGGAATGGGCCAAAATATCAGCAAC| 7915
NorthernPike    |-----| 0
SpottedGar      |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                |-----|
                |50090|50100|50110|50120|50130|50140|50150|50160|
Human           |TTATACAACCTCTCCTGCTTAGAATTTAAGGTAAGAAGTTCAGTGCCTT--TGGTTATTTGATTTTTTTTATAGGTCTTAA| 50138
AsianBonytongue |-----| 0
Reedfish        |AGGGTGTGAAAACCTTGTGAAGACTTACAGAAAACGTTTGACCTCTGTCATTGCCAACAAAGGTATATACAAAATATTG| 7995
NorthernPike    |-----| 0
SpottedGar      |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                |-----|
                |50170|50180|50190|50200|50210|50220|50230|50240|
Human           |TTTCTTACGGAAAATTTTTTTTGAAGATGTGTTAATGGTTTTCTGGAAAAGAAATCTTAAGGATGAAGAATATGTGAA| 50218
AsianBonytongue |-----| 0
Reedfish        |AGATGAACCTTTGTATTGACCAAATACTTTTTTCCACCATAATTGCAAATAAATCTTTAAAATCAGACAATGTGAT| 8075
NorthernPike    |-----| 0
SpottedGar      |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                |-----|
                |50250|50260|50270|50280|50290|50300|50310|50320|
Human           |TGTATTGATGTTTTAAAAATGTAATATAGAAATATTGTTTAAAATTAATGTATTCAAAAATAGCATTAGAATGTTTTC| 50298
AsianBonytongue |-----| 0
Reedfish        |TTTCTGGATTTTTTTTCTCATTGTTGCTCTCATAGTTGAGGTATACCTATGATGAAAATTACAGGCCTCTCTCATCT| 8155
NorthernPike    |-----| 0
SpottedGar      |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                |-----|
                |50330|50340|50350|50360|50370|50380|50390|50400|
Human           |GACCTACATTATAAGACTGCTGTAATGATCTAAAACCTTTAGCTGTTTTAATATAGTTTTAAAACCTAATGATATCTTTCTC| 50378
AsianBonytongue |-----| 0
Reedfish        |TTTTAAGTGGGAGAACTTGACAATTGGTGGCTGACTAAATACTTTTTTGCCCACTGTATGTGAATGTATGGATATTGC| 8235
NorthernPike    |-----| 0
SpottedGar      |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                    |-----|
                    |50410  50420  50430  50440  50450  50460  50470  50480|
Human                |TGTCAGTAAAATACAAACTTTTCTTAATAAAAAATGTAATGGAAAACCTGTTCTCATAGATTTTGTCACTTTACAAAGT| 50458
AsianBonytongue     |-----| 0
Reedfish            |GGGAGTTTTTCCCTTTACTTTTGTATGAGAGCCGTATATTTGCCTATATTGAAGGTCAGTGCCACAGATATTTGGTTTT| 8315
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                    |-----|
                    |50490  50500  50510  50520  50530  50540  50550  50560|
Human                |GACAAAATCATTTTGTAGTTT---ATGGAAAATAAGCTTGTAACCTTTTACCTAAAAGATAGGACTGAAATTTTCAGC| 50535
AsianBonytongue     |-----| 0
Reedfish            |CTTCAGACCACCTTATTGGTCTGCAGGCTTTTCATAATGTTTTTCGTTAGTATAGCAGCTACTTGCTGAAAATAGTAAA| 8395
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
```

```

Majority -----
                    |-----|
                    |50570  50580  50590  50600  50610  50620  50630  50640|
Human                |TTTTTTAATTTGATGATGAGTTTTTAATTTCTTTTGAAAAAGAATGTATGCTTCTAATAATTTATCAAGAGGAAGAATAC| 50615
AsianBonytongue     |-----| 0
Reedfish            |CGCATCAATTAAACTTCAATATTTCCCTTAAGCATGAAATACTATTAGCACCTTGTAAGAAGAGCAGCCTGGATGTTAC| 8475
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
```

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Majority -----
                    |-----|
                    |50650  50660  50670  50680  50690  50700  50710  50720|
Human                |CAAAAGAAAATATCTGCTCTTCTTTTACTTAGATTTTTTGCATTTTTAACTTATTTTTAACAAATAATTGTTTA| 50695
AsianBonytongue     |-----| 0
Reedfish            |AGTACTTAACTATAGATCCATTTCAAATCTTCCCTTTATAGGTAAGATTATTGAAAAGCTGTCATCTTACAACCAACA| 8555
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                    |-----|
                    |50730  50740  50750  50760  50770  50780  50790  50800|
Human                |TACTTATGGTGTACAATGTGATGTTTTAATACATATATATATGGAATGATCAAATCTGGCTGGTTAACATATTCATCTC| 50775
AsianBonytongue     |-----| 0
Reedfish            |CATTTTTAAACTCCAGTGGCTGCCTTGATGATTTACTCTTGCCTTCTACCAAATTTATAGCACTGAGACAG-CATTTA| 8634
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                    |-----|
                    |50810  50820  50830  50840  50850  50860  50870  50880|
Human                |TTCAGTACTTACAATTTCTTTATGGTAAGAACATTTAAAATTCCTTTAGCTATTTTGGAGTATAACAGTGAATGTGGAA| 50855
AsianBonytongue     |-----| 0
Reedfish            |TTAAAGTTTTAAATGATATTGTTTATACACAGACTGTTTTAAAATAACAGCTGTGGTATTGCTACACCTCAGTGCCTT| 8714
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae |-----| 0
    
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Majority -----
                |-----|
                |51370  |51380  |51390  |51400  |51410  |51420  |51430  |51440  |
                |-----|-----|
Human           |GGAATTTAGAGTTGTATGCCAGGAAATGGGGTTGAGGACCAAATGTCTATTTTACAATGTCACAATACAGTATTATGCAT| 51415
AsianBonytongue|-----|-----|
Reedfish       |AATCTTCAGGTACTIONTCTGGATGCAGATCTTTGTTTCAGTAAGAATATTTAAAGCAATAACTATATCTGCATTCTGTAATGT| 9274
NorthernPike   |-----|-----|
SpottedGar     |-----|-----|
ParamormyropsKingsLeyae|-----|-----|
    
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Majority -----
                |-----|
                |51450  |51460  |51470  |51480  |51490  |51500  |51510  |51520  |
                |-----|-----|
Human           |TACAGTAGTTGCCATGCTGTGCGGTAGATCACCAGAACCTATTCTTCCTGTCTGAAACTTTGTACTTTGACCATCATCAC| 51495
AsianBonytongue|-----|-----|
Reedfish       |GAAAAACATTTCTAAAAGCAGACGCTTGATGTCAAAAACAGATATGAAAAAAATTTATCCATGCCTTTGTTTTTCAGCTGA| 9354
NorthernPike   |-----|-----|
SpottedGar     |-----|-----|
ParamormyropsKingsLeyae|-----|-----|
    
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Majority -----
                |-----|
                |51530  |51540  |51550  |51560  |51570  |51580  |51590  |51600  |
                |-----|-----|
Human           |CCCTTCCCTGTTTCACTCCTCCCTCCCCAGCCTCTGGTGACTATTTTCTACTCTCTACTAATGTGAGTTCAGCTTTTTTT| 51575
AsianBonytongue|-----|-----|
Reedfish       |GTAGATTACTGCAGTGTCTTTTCTCAGGTCTACCTGAAAGAGTCTTAAAGTTGCAATTTGTTTCAGAATGCTGCTGCCAG| 9434
NorthernPike   |-----|-----|
SpottedGar     |-----|-----|
ParamormyropsKingsLeyae|-----|-----|
    
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Majority -----
                |-----|
                |51610  |51620  |51630  |51640  |51650  |51660  |51670  |51680  |
                |-----|-----|
Human           |A--GATTACATATGTAAGTGAGATAATGTGTTATTTGTCTTTCTTTGTTTGACTTATTCACCTTAGCACACACAGTGTCTCT| 51653
AsianBonytongue|-----|-----|
Reedfish       |AATGCTTGCCAAAATTACTCCAGCATTAAAGATCACTACATTGGTTTCCAGTTAGCTGTAGGATTGATTTTTAAGGTAGCAG| 9514
NorthernPike   |-----|-----|
SpottedGar     |-----|-----|
ParamormyropsKingsLeyae|-----|-----|
    
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Majority -----
                |-----|
                |51690  |51700  |51710  |51720  |51730  |51740  |51750  |51760  |
                |-----|-----|
Human           |CTTAAAATGACATTTAATATCCATTTCTAGTTCGTTATTATTTAAGTAATTTGCAAGTACATTCTCATTTTAAAAGATT| 51733
AsianBonytongue|-----|-----|
Reedfish       |TTTTAGTATAACAAGTCACTAAACAACCTTAGGACCAGTAAACCTCTCCGAGATACTAACAGTTTACAAACCTTTTAGATCC| 9594
NorthernPike   |-----|-----|
SpottedGar     |-----|-----|
ParamormyropsKingsLeyae|-----|-----|
    
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Majority -----
                |-----|
                |51770  |51780  |51790  |51800  |51810  |51820  |51830  |51840  |
                |-----|-----|
Human           |AAACGAAAGGAACATGTAAAGAATAAAGCTGGGGCTGGGCTTGGTGGCTTATACTGGTAATCCCAGCACCTTTGGGAGGC| 51813
AsianBonytongue|-----|-----|
Reedfish       |TTAGGCGCTGGGCAGCTGGTTATACTGTGTTATTATTTTATTTTATTTTATGTTATTTTTACTTTCTGCCATTTGACTG| 9674
NorthernPike   |-----|-----|
SpottedGar     |-----|-----|
ParamormyropsKingsLeyae|-----|-----|
    
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Majority	51850	51860	51870	51880	51890	51900	51910	51920	
Human	TGAGGCGGGTGGATTACCTGAGGTCAGGAGTTCAAGACCCGCTGACCAACATGGTGAACCCCTGAGTCTACTAAAAATA								51893
AsianBonytongue	-----								0
Reedfish	TGTTTCTAATTATCTTTTGATTGCAACTTTTTATTGTATTTTATTCTTATTATGTAAAGCACTTTGAATTGCCTAATGG								9754
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	51930	51940	51950	51960	51970	51980	51990	52000	
Human	CAAAAAAAAAAAAAAATTAGCCAGGCATGGTGCCAGGTGCCTGTAATCCCAGCTACTTGGAGGCTGAGGCAAGAGAGAAT								51973
AsianBonytongue	-----								0
Reedfish	TATAAAATGTGCTATATAAATAACTTGCTTTGCTTTGTACTGCCTTGCTATGACTATTGTTTTGAGAACCAACCAGTTT								9834
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	52010	52020	52030	52040	52050	52060	52070	52080	
Human	TGCTTGAACCCGGGGGGTGGAGCTTGCGGTGATCCCAGATGCGTCACTGCACTCCAGCCTGGGTGACAGAGCGGAGACTC								52053
AsianBonytongue	-----								0
Reedfish	AGCCATTTTTCAAGCTAGCACCAAGTTTATTTTTTAAATATTAATTATCTTTGAGAGCATATACAAGTCTCAAAGATGCCT								9914
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	52090	52100	52110	52120	52130	52140	52150	52160	
Human	TATCTCAAAAAAAAAAAAAAAAAAAAAAGAGTAAAGCTGAGGCCTACACATGGATGGATGTGGAGGAGGGGCCTTAGG								52133
AsianBonytongue	-----								0
Reedfish	TAACATGTTTCCAAGTTTTTAAACTGAGTGATGCACCACTGATACTCTGTGAAAAGCAAACAATGTAGCATGAAACAAA								9994
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	52170	52180	52190	52200	52210	52220	52230	52240	
Human	ATGACTAGTGAAGCCCATTTGAGAGGGGATATTTGAATAATGAACTTCAAAGTGGTTAGGGAATAAGCCACTTATTTCCA								52213
AsianBonytongue	-----								0
Reedfish	AGTATCAACAACCTGATTTTGAAATGGTTGCAAGAATATAAAATCACCTGAATCACAACATCCCAAGTCTATTGTCAAGTT								10074
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	52250	52260	52270	52280	52290	52300	52310	52320	
Human	GACAGAAGGAATAATCAATGCAAAGTTCCTTCTGTTGAAAAAATGCTTTTATAATTTTATTTTTTCATCTTCTAAAGCCC								52293
AsianBonytongue	-----								0
Reedfish	GTATGCAAATAATTTTGCTTGTGTTGATTTATTATTATTAGTTCTATTTTATGCAATGAATAGCATTACTAAGCACACC								10154
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority		-----								
		52330	52340	52350	52360	52370	52380	52390	52400	
Human		TTCAGTCTCCTTTGGTCATCTTTTTTTTGTAGTTGGTTATGCCTTAACAACAGTACTTTGAGGATACTAGTTACAGTATT								52373
AsianBonytongue		-----								0
Reedfish		ATTGAAATGCCTTTGTGATTACACGTGGGTATTTTAAATGTTTAAAGTTGTAGGAGCTGTAGAATGCCTACTAAAAAAG								10234
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		52410	52420	52430	52440	52450	52460	52470	52480	
Human		TAAAAAATACGTCACATATATGCTGAGTTATTTTTTCAGTGTAGCA-TT-----TATGTTTATCTTGTCTCATTCT								52444
AsianBonytongue		-----								0
Reedfish		ACCCTTTCTTATCGAGGCAACTGTAGTTGCATTACAGTTTAGGCAACACAGCATGCTTAACCTTTTAAATTCATGCTTT								10314
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		52490	52500	52510	52520	52530	52540	52550	52560	
Human		CTTCATCCCCCTTTGTGTCTTTTCGTGTTTCAGAATGGACAATTAGATTTTGTAAAGTTGTATGCTTTCCTCTAGGA								52524
AsianBonytongue		-----								0
Reedfish		GGATAAATAACCCTAAATGCAGCATTAAAAATCGCAGGAATTGATCTCCTTGCAAGTAATACATACAAAAAGACCTGTCC								10394
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		52570	52580	52590	52600	52610	52620	52630	52640	
Human		TAAAGTAATGAAGAGCGTTTACTAAGCTGTACCCCATTCCCCCAAATACCAAAGAGGCTCTTATTCTGGGTCAACAA								52604
AsianBonytongue		-----								0
Reedfish		TTTCTGTAATCATAGACTAGCTGAAATACCCAGTGTGCCCTGGAGGAAAATGGTGTGTTTTTTTTTTTGTGTTGAGAA								10474
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		52650	52660	52670	52680	52690	52700	52710	52720	
Human		AACTCCCTTTAGAAATTTCTGGTACCAGGCTGTGCGTGGTGGCTCACACTTGTAAATCCCAGCACCTTGGGAGGCTGAGGTG								52684
AsianBonytongue		-----								0
Reedfish		AAATATACTGTATGTACTCACATATAAGTCGGTCTTGAAATCCAAAAATCGATCATAAAATCAGTCCCCGACTTATAT								10554
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		52730	52740	52750	52760	52770	52780	52790	52800	
Human		GGCGGATCACGAGGTCAGGAGATCGAGACCATGGTGAAACCCCGTCTGTACTAAAAATACGAAAATTAGCTGGGCGTGGT								52764
AsianBonytongue		-----								0
Reedfish		GCCTGTTCAAAAATGCTACACTTAAATTTCTACTCCAATCTCGCATCAGTTTCTCAGATGCATTGAATTTTGTGTCAGC								10634
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

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Majority -----
                |-----|
                |52810|52820|52830|52840|52850|52860|52870|52880|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      GCGCGGCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGTGCAGACCCAGGAGGCGGAGCTTGCAGTGA 52844
AsianBonytongue ----- 0
Reedfish   AGTGCATTTACCAGTTTCTTTTCGCTGCTTCAGTGACGTTTAATTTAAAACCAGACTTCATATTTTCTTCTGATCGAACGC 10714
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |52890|52900|52910|52920|52930|52940|52950|52960|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      GCCGAGATCGCGCCACTGCACTTCAGCCTGGGCGACAGAGCGAGACTCTGTCTCAAAAAAAAAAAAAAAAAAAGAATTCTCT 52924
AsianBonytongue ----- 0
Reedfish   TCCATCGTAGATAAGGGATGCTCTTACAGTAAAGGTGTATGAAGGTGTGAGATACAAAAACACAATCAGTGCAAACGT 10794
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |52970|52980|52990|53000|53010|53020|53030|53040|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      GGTACCAGCAGGGCACTTTGGCTCATGCCTGTAATCCCAGCACTTTGAGAAGCTGAGGTAAATTCAGGGCAGCAGTGAAC 53004
AsianBonytongue ----- 0
Reedfish   TGCTTTGGAATAATTTGGGTATTACTGCGTGGTCTGTAGGCACAATAGGGAGAGAGAGAGAGGTTAGGAGAATATACTG 10874
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |53050|53060|53070|53080|53090|53100|53110|53120|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      TGGTCACACCACTGCACTCCAGCCTCAGCAACAAAGCAAG--ACACAGTCTCTTAAAAAAAAAAAAAAAAAGGAAGAAATTCT 53081
AsianBonytongue ----- 0
Reedfish   ATACAGCGCAATGCCGACCCACATAGAAAATAAAGGCAGTGTGCTCCGTGGTTACTCTCTCTGGTGAGTGTTAGCATAT 10954
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |53130|53140|53150|53160|53170|53180|53190|53200|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      GGTTCCTTTAAGGGAGATTTGTTGTTGTTTCTTCTTTTAAATGGTGAGGGTACAAGTTGGTCACAGGAGGGAGAAGAGAA 53161
AsianBonytongue ----- 0
Reedfish   CATAATTTCTTGACCAATAGCGTGAGTTTCCGCATTGACTTATACGACCACATTATAAAAATACCAGAAATTATACA 11034
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |53210|53220|53230|53240|53250|53260|53270|53280|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      ATTTAGTCTTTTGTGAATGAAGTACTTTCTGTTGCTGTTTTTCACCCACTCCCTCCTCTGTGAACCTGCCAATT 53241
AsianBonytongue ----- 0
Reedfish   GTAAAATCAACTCCCGACTTAACCGTGGGAGAACTTATCCGCAAGTATATATGGTAATAAAAAAAAAACACAACCTTTAAAAA 11114
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                    |-----|
                    |53290|53300|53310|53320|53330|53340|53350|53360|
Human      TCTGATTTGGTTCCTGTGGCTGCTACCAGTATAACACCTGTTTGTCTGTGTGTTCACTGTGTCTCCAGTCCATTTGGTTCC 53321
AsianBonytongue ----- 0
Reedfish   AGCACAAAGGAGTGGCTAAGGGACAATGATGAGAAAGTTCTTGAGAATGCACAGTCAGAGCCTGAACCTGTCTCTGTAGA 11194
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                    |-----|
                    |53370|53380|53390|53400|53410|53420|53430|53440|
Human      ATTCATTTTCTGTGTTCAGGAATTTGATAAAATATTCTCAGCTAATGATAACCTCCCTCCCTCAGTGTGTTGTTTAT 53401
AsianBonytongue ----- 0
Reedfish   GGCCTGAAAAAACCTGACAGAGCTTGAGAGGATCTGCAGAGAAGAAATGGCAGAAAATCTCCAAATCCAGGTTTATGGAG 11274
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                    |-----|
                    |53450|53460|53470|53480|53490|53500|53510|53520|
Human      TTTATATTCATTCACTTCTAGGCATTTTAATAGAGTTTCATAATAGAAGACATGCAAATGAGTATGCATTAACCATGAAT 53481
AsianBonytongue ----- 0
Reedfish   CTTGCTGCGTCATATCCTAGAACCCCTAGACTGGGGTCGCTACCAAAGGGGCATGAACTA--AATCACTAACTAAAGAT 11352
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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```

Majority -----
                    |-----|
                    |53530|53540|53550|53560|53570|53580|53590|53600|
Human      TCTTTCACATCCGTTTCATGAAATCACCAGGTCCTATTAGTTCACACTTTTTAATTATCTGCCTGGTTTTCTCCATCTTTC 53561
AsianBonytongue ----- 0
Reedfish   TTGTATAGTTGTGACAAATGTTACATTTGGGTTTTTTAAATTTTATTTTAATACATATCCAGAAATCTAAAATCCTTT 11432
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
                    |-----|
                    |53610|53620|53630|53640|53650|53660|53670|53680|
Human      CTGCTACTTGTATTGCTCAAACACACTCACCTGTTGGCTATATTACTACGACAGTTCTCTTTATAA-ACTACTTTCTTTT 53640
AsianBonytongue ----- 0
Reedfish   TTTCTGTTAGTCATTTTGACGTATTGAGTATTGTTTGTATGAATGGGGGGAAAAAAATAAGATTAGTACAAGGCTGCAAC 11512
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                    |-----|
                    |53690|53700|53710|53720|53730|53740|53750|53760|
Human      TCTTTTCCCTTCTGGAATTTTTTCTCGCTAGTACAGCCAGTACGTATCTTTCTCAAATGCACATATCTAAGTTACTCCC 53720
AsianBonytongue ----- 0
Reedfish   ATAGCAAATGTGAAAAAGTGAAGGGGCTGAATGTACAGTATGTTACTTTTATACAAATGCAGGTAATAAGTACTGTTT 11592
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority	-----								
	53770	53780	53790	53800	53810	53820	53830	53840	
Human	ATGCAGTAGGTCCTGTTCATGCTCAGGCTAAAGGCCCTTTCTGAGCTTACTACTTTTTGTCTTGTCTTATGACTACTCCC								53800
AsianBonytongue	-----								0
Reedfish	AAGTAAATAAGCAAGTATAAGTGAAAGAGTGAGACAGTAGATAGGAAGACTAGAAGAAAAATCCCCTTTCTCAATCAG								11672
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	53850	53860	53870	53880	53890	53900	53910	53920	
Human	ACCCTATTTGCTTATGCTTCTGTCCAAAAGTAATGGTGCATCCTGTAACCTGGCATGTTTTCTCTTGATGTCAGTCGTT								53880
AsianBonytongue	-----								0
Reedfish	TAGTTAAAGTGAAAATAAAAAGGGATGGAGATGGAAGAGTAAATTGAGATTGAAGAAATGGAACTTCCCCTCCTGATG								11752
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	53930	53940	53950	53960	53970	53980	53990	54000	
Human	TGCTGCCATTATGTCACTGCTCTCATGCATGGAATATTGTGGGTTGGCCTGCCTTTTGCACCACCCTTCCTCCACCTCAC								53960
AsianBonytongue	-----								0
Reedfish	CAGCCCACGATAGCAGTGTCTTAGCGAACTTTTGCACGTGACAGGACTCTGAGTTGTATTGGAAGTCCAATGTATATAG								11832
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	54010	54020	54030	54040	54050	54060	54070	54080	
Human	ACTTCACATGGCCAGTGTAAATATCTTGAGGTCCTTTAGCTATTTCTTCTCCTAAAAGCTATCCCCTGATAAGCAA								54040
AsianBonytongue	-----								0
Reedfish	GCTGAACAGGACCGGAGAAAGTACAGTCCCCTGCGGCACCTCTGTGTTGCTGACCACAGTGTACACCTGCAGTTCCCGA								11912
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	54090	54100	54110	54120	54130	54140	54150	54160	
Human	AGAGTAGATTAGGTTTGATTGAGAGTGTAACTCCGAATGAGATACTGCTATGCACATAACCAGAGTGGCTAAAAATTAA								54120
AsianBonytongue	-----								0
Reedfish	GATGCACATACTGAGGACTGTCTTTAAGATAGTCTACGATCAATGCTACCAGGTATGAATCTACTCCCATCTCTGTCAGC								11992
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	54170	54180	54190	54200	54210	54220	54230	54240	
Human	AAGGATAGGTAATAAAATACTGGTGACAACCATTTTTGAAAACCTCGAAATATCTACTAAAGTTGAGCATATAGCTATTCT								54200
AsianBonytongue	-----								0
Reedfish	TTGACCCTAAGGAACAGAGGTTGGATGTTGTTGAAGGTGCTAGAGAAGTCCAGAAACATAATCTTACAGCACCCTGCC								12072
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority		-----								
		54250	54260	54270	54280	54290	54300	54310	54320	
Human		TTGATGTAGTAAACTCGCTCCTAGTTAACATACCTGAGAACATGTACATAGGTATGTTAAAAGATATGTACAAGAAAGTT								54280
AsianBonytongue		-----								0
Reedfish		TCTGTCCAAGTGGGAGAGGGATCGGTGTAGCATGTAGATGATGGCATCCTCGGCTCCACCTTCTCTGGTATGCGAACT								12152
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		54330	54340	54350	54360	54370	54380	54390	54400	
Human		CATGGAACACTGTATGTAATAGCCAAAAAACTATAAATCATCCAAATGTTCAACAGCAGCAGAATATGTTGTGTTGTAT								54360
AsianBonytongue		-----								0
Reedfish		GCAGAGAGTCGAGAGCGTGGTGGACCTGTGGCCTCAGGTGGTGAAGCAGCAGCCGCTCCATGGTCTTCATCACATGTGAC								12232
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		54410	54420	54430	54440	54450	54460	54470	54480	
Human		TCATTTAGTGAATATTTGTATAGTAATAAAAAATGAACAAGCTACTGCTGCCTGCAAAACATGGGTAGTGTACATCATAAT								54440
AsianBonytongue		-----								0
Reedfish		GTCAGAGCGACAGGCCAGAAGTCATTCAGCGCACCTGGACGTGATACCTTTGGGACTGGGGTATGAAAGATGTTTTCCA								12312
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		54490	54500	54510	54520	54530	54540	54550	54560	
Human		TATTGGAAGAAGCCAAACCAAAGTAGAATACATCTGATATGATTCCATTTATGTAACCTGGAGGAAGCGTGAGTATGGCT								54520
AsianBonytongue		-----								0
Reedfish		AAGCCTTGGGACTCTCCCTGTTCAGGCTCAGGTTGAAGATGTGCTGTAGAGGACTCCCCAGCTCCAACGCACAGGCT								12392
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		54570	54580	54590	54600	54610	54620	54630	54640	
Human		TCTAGAGTGTGATAATATACTGTTTTTATCTGGGTAATATTTTCACAGAGATGTCCAATTTGTGGTATTTTATGGAGC								54600
AsianBonytongue		-----								0
Reedfish		TCAGCAGTCGTGGCGATACTCCATCTGGACCCGCTGCTTTGCTGGTACAAAGTCTCCTCAGCTCTCTGCTTACCTGGGCC								12472
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		54650	54660	54670	54680	54690	54700	54710	54720	
Human		TTTATACTTAGGTTTTGTGTCCTTTTGTGTGTGTGTAATATTTTGATAAGAAGTTTTATTAAAATCTAGGTTTGCAAG								54680
AsianBonytongue		-----								0
Reedfish		GCTGTAATTCGGGTTGGGGTAAACTCTCACCTATGCTGGTATCAGCAGAAGGATGGGTGA-AGAGTGCAGTACTCCGAA								12551
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

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Majority	-----								
	54730	54740	54750	54760	54770	54780	54790	54800	
Human	CCAACACTGCTCCATGAATTATAAGAAAAATATATGAAGTCATTAATAAATGAAATCATAAAGAAATGTATGAAGTAATT								54760
AsianBonytongue	-----								0
Reedfish	GTGAGAGTGGGTAAGAGTGGTCAAACCGGTTTAAAAAAAAAAAAAAAAAAGAGGTTTCATCTGGTTTGCTCTCTCCACAT								12631
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	54810	54820	54830	54840	54850	54860	54870	54880	
Human	TGTTACTGATGTGAGAGAACATGATTGTTAAGCCATAAAAGGAAGATAGAGAACAAATGAATAGTATTAATAAAAAGTATG								54840
AsianBonytongue	-----								0
Reedfish	CTCTCTTGATGGTGGCGCCCTGCTTCGAACTGCAGCCAGTGATGATCTTCATCCCATCCCACACTTCCTTCATGCTGTTA								12711
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	54890	54900	54910	54920	54930	54940	54950	54960	
Human	AATAGTATTGAATAAAAAATATGAATAGTATTGAAAAAATACAGACTAAGTATAATATTTATATATATATGCTTGTAGAT								54920
AsianBonytongue	-----								0
Reedfish	TTCTGCAACTTCTGCTCCTTCGCCACCCTGAGCTGGACTCGGAGTTCCTTCTGCACGCGCTTGAGCTCATGCTGATCACC								12791
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	54970	54980	54990	55000	55010	55020	55030	55040	
Human	GTAGCTAGTATCTCTGGAAGGATATCGAAGATAATACTGTGAGGGGTTGGTAGGGGAAAATAGACTGGGTGACAGAGTTG								55000
AsianBonytongue	-----								0
Reedfish	GCCTTTAAAAGCCCTTTTTTCTGGTTCAATAGGCCCTTGATATGTCTTGTAATCCATGGCTTGTGT-TAGCATAGCAG								12870
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	55050	55060	55070	55080	55090	55100	55110	55120	
Human	CAGGGGAATTTTAAATCTTTAATACCACCTTTTATACCATGATCATGGATTCCATTTTTAGAAAACATTTTATTATTTGAA								55080
AsianBonytongue	-----								0
Reedfish	TGTATTGTTCTTACTGGAACACTACAATGTCCATACAGAAGTTGATCTAGTCAGTAGTCAGTCAACAACCTCCTCAATGTT								12950
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	55130	55140	55150	55160	55170	55180	55190	55200	
Human	GCAGATGTTAGTGTTTTTCTAAGTTGTGGTAGTCTATGCTTGTTATTATAGATAAATACAGTAAGAACATGTTCACTAAT								55160
AsianBonytongue	-----								0
Reedfish	CTCACTATGTGATCCCTGCAGGATATCCCAGGCCGTAGCTCCAAAGCAGTCTCCTGCTCTGCCTCAGGGGACCACCTCTCT								13030
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                    |-----|
                    |55210|55220|55230|55240|55250|55260|55270|55280|
                    |-----|
Human                |GAAGAAGATAATATTGCAATGAGCTACTTAAAATATTTAAATACATTTAAACATTTGAATAGATACTGCTCTATAAAACT| 55240
AsianBonytongue     |-----| 0
Reedfish            |GAATGAGCATGTTTTTGTAGGTAGCTCCCTCACTCTTGGTTTGTAGTGC GGCTGAAGCACAACCAGGTTATGATCTGCTT| 13110
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae|-----| 0

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Majority -----
                    |-----|
                    |55290|55300|55310|55320|55330|55340|55350|55360|
                    |-----|
Human                |AATTTTACCAATTTACAATTATTTTTTCAATAATAGTATCAAGATGTCTACTAAAATAATCTATCACATTTCAAATGTT| 55320
AsianBonytongue     |-----| 0
Reedfish            |TCCAAGCGCAGGCAGCGGGTGGAGCTGTATGCGTCTTTAACGTTTGCATACAGTAGGTCGATAGTCTATTTCCCGG| 13190
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae|-----| 0

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Majority -----
                    |-----|
                    |55370|55380|55390|55400|55410|55420|55430|55440|
                    |-----|
Human                |GAGTTTTAATTAGTAAGTCATTTTGACTAATACATAAAATTTATAGATAAAATTAAGTAGCATTTAAATGATTGTTTAGAT| 55400
AsianBonytongue     |-----| 0
Reedfish            |GTGTTACAATCCACATACTGGGAGAAGGCAGGCAATGTTTTGTCCAGCGTCACATGGTAAAAGTCTCCAGCGATTAGCAC| 13270
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae|-----| 0

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Majority -----
                    |-----|
                    |55450|55460|55470|55480|55490|55500|55510|55520|
                    |-----|
Human                |ATATATCTGGACTCTCAAGCCGTGTGATCTGTGGTTATATAATATTTTAGTAAAATGACTTTTCTTGTATTCTCCTGA| 55480
AsianBonytongue     |-----| 0
Reedfish            |AAGCGCTCGGGTGTGTGTTTGAATTTAGTAGCTGCGGAATGGATGACATCACCCGCTATCTCCACGTTGCGCTGAG| 13350
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae|-----| 0

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Majority -----
                    |-----|
                    |55530|55540|55550|55560|55570|55580|55590|55600|
                    |-----|
Human                |GTGTCCTAATCTTTTGTATTCTCTTTTCATTAACCTGTTGATATAGATTTTTCAAACCTGTAACCTATGTATAGGTATTT| 55560
AsianBonytongue     |-----| 0
Reedfish            |GAGGGATGTAAACAGTAGCAACAATGACGTGTCCAACTCTCTGGGCAAGTAATAGGGATGCAGACTTACGGCCAACAGT| 13430
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae|-----| 0

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Majority -----
                    |-----|
                    |55610|55620|55630|55640|55650|55660|55670|55680|
                    |-----|
Human                |GTGGTATTTGTCATTGTTATATTTTAGAACTATTTGCCTTTGTATGTTTTTTGACCACAGATAAGGTAGAAAGAAATAT| 55640
AsianBonytongue     |-----| 0
Reedfish            |GCGATGTCCCTGCAGCAAGTGGAGATTTTAAACGTTAACATGTCCAGAGTTGCAACACCTTGTATTGCATAGAGTGAAG| 13510
NorthernPike        |-----| 0
SpottedGar          |-----| 0
ParamormyropsKingsLeyae|-----| 0

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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
55690	55700	55710	55720	55730	55740	55750	55760
 Human TTCCTTATCATAGACTGTCATCATAATAACAGGAAAGGGATAATAGTAATAAAGGCAGTCTTTTGGAGCATTTAACATAA 55720
 AsianBonytongue ----- 0
 Reedfish TCCTCCTCCTTTGTGCTTCCCAGGACTTGTGTCTCTGTCCGCTCTAACTCTGCTAAACCCGGGTAGCTCCACATTAG 13590
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
55770	55780	55790	55800	55810	55820	55830	55840
 Human TATTTGATTGACAGATTTCCTACAAATACTGTGTTTATTCAATTTTATGGGTATATTTTTTCGCATTTTAAAATCTCAGA 55800
 AsianBonytongue ----- 0
 Reedfish CATCTAGAATGATAGTTGATTGCCATGTTTCACTAAAACACAACAACTGCATTCTCTGTAGGTCCTGACATTTTTCACA 13670
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
55850	55860	55870	55880	55890	55900	55910	55920
 Human AATTTGATGTGTCCTGCAATAGTCTATCTTCCATAGTTCAA--TTGGCAACATCTTATTAGTCATACATAAAAACAATAGT 55878
 AsianBonytongue ----- 0
 Reedfish AGTGCAGCCAGTTTCGTCATTTTATTTGGTAGTGAGTTCACATTTCCAGGATCACAGAAGGCACCGAAGGTTTGTAGCG 13750
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
55930	55940	55950	55960	55970	55980	55990	56000
 Human GCATTTTATAATTAATGGTGTATTTGATACCATAAAATGTATGGGAAATATTTCTTCATATTATATCTTGAAGTTTACCTG 55958
 AsianBonytongue ----- 0
 Reedfish CCACTTTCTCGCTAAACACTTGGCTTTTATCTTAGCACCGGCTCTGCTGTGCGGATACCACCTTCTTACCTCGTCAAGTA 13830
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
56010	56020	56030	56040	56050	56060	56070	56080
 Human AGAATTTTGTGGTTTTGGACTAGACTACACGTTGGTTTCTATTCTAAAAATTTTGGTGTGAGAAGTTAAGTGTAGTATGA 56038
 AsianBonytongue ----- 0
 Reedfish AATAGGGAACCACTCCGGCGCGGGCATTGTTTCTCAGTGCTTGAAGTTGACTACTTGAATAGACGAGTCTCAGTGTGTAA 13910
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
56090	56100	56110	56120	56130	56140	56150	56160
 Human AAAATGTATTTTCTGAATGTTCCATATTTTAAAGATTGTATTAGAAATAATAAGCTTTATGGGAGTTCTTTTGGATAATTCA 56118
 AsianBonytongue ----- 0
 Reedfish AAATCCATGTCCATAGTAAAAAGTGTCAGGGAACGAGGTAATAAAAAATGTAGAAAAATAGTCATACCCGGAGCTCCTGGA 13990
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                |-----|
                |56170|56180|56190|56200|56210|56220|56230|56240|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      GTAACCCCTTGTGAGATTTACAACGTACCTGTTTTATGGAGTGATTAATGTTAAAGTTGTATTCTCTAAATTTCTGTT 56198
AsianBonytongue ----- 0
Reedfish   ATAGCTGCCACACGCGGCGGCCATTAATTCATTTATGATCAAATCATAAAAATTCATAAAATTTAAAAAAGGATCATT 14070
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56250|56260|56270|56280|56290|56300|56310|56320|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      TAAACATTTTCTGATGGTACATGTATTTATAAACTACATCTTG----TTCTTTTGAGAATAAATTACATATCATACT 56274
AsianBonytongue ----- 0
Reedfish   GCACAGAATTTTACCAGCAACCAGCTGCTTTATATTTCAGGGTACAACACCTGCTGCTTTAGGAAGTCAAACCTTAGTTGAT 14150
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56330|56340|56350|56360|56370|56380|56390|56400|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      TTGCATGTTCAACATTGATCCCAAAGCCTGGATAATTTTTTTGAATGAAATACTAGTAGAATATTTGATTTATTAACAG 56354
AsianBonytongue ----- 0
Reedfish   TTTCTCACTTCTCCTTCTACCAAACAGTATAGGACCATTGGCACTCAACAGTATATTGAGAGATAGTTTCTACTCTTAA 14230
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56410|56420|56430|56440|56450|56460|56470|56480|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      GTAGTACCTGGCTCATGGCAGGTGCTTAAAAATATCTGTTGAGGGGCCATTTAATTTTGTAACTGTGTAAGTTCTAG 56434
AsianBonytongue ----- 0
Reedfish   GTTGTAAAGTTGCTTAAACAGTCATTCATTAATAATTTCTGATATTGGAAGTAATATATGTTGCATGCTGTGTATACTTTAT 14310
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56490|56500|56510|56520|56530|56540|56550|56560|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      GAACAAAGTGAAGTAGTAGTGTAAACAGTTGCAAAGTATGTGACAATAATGGGTATGTTTCTAAACTACATAATCTTAAT 56514
AsianBonytongue ----- 0
Reedfish   TTTTGTGCTGTATTTTAGTTTAGTGTCTCAAGAGGCATGCAAGTAAGAATTCATTATATTAGTTACCAATGACAATA 14390
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56570|56580|56590|56600|56610|56620|56630|56640|
-----|-----|-----|-----|-----|-----|-----|-----|
Human      TTCCAGCGTGCTCAGGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACAGTTAG 56594
AsianBonytongue ----- 0
Reedfish   GCCAATACTCTTGACTTGAGAGAGGCTGGAATAGTGTGTTGTTGTATGCAACATCTTCCAACAGGTGCAAGAGTTTTTCT 14470
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56650|56660|56670|56680|56690|56700|56710|56720|
                |-----|
Human           CGAGAGTGCAGTGACTCCAGCCCAGAGTCCAGTACTTAGAATAATTTATTGACAACATGTACTACCCTGTAACACTTGATG 56674
AsianBonytongue ----- 0
Reedfish       ACATAGTACCATTTTATGACATGGGAGTTGACAGAATACCTTAAAGAAAAAAAAAAGGTGGAGAAGGAAAAGTAGATTCTG 14550
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56730|56740|56750|56760|56770|56780|56790|56800|
                |-----|
Human           TTCTTCACCAAGTAAGTTTAACTCTGCATAATTACCTATAAATTAGAGAAATAATAATATAGTAAATAAGTAATGTTTTGA 56754
AsianBonytongue ----- 0
Reedfish       TAAAGAGCAATTGATGTGTTTTGTGGGAAGGAGGACATAGCCAAATAAGATGGAGAATGGAAAACCAATAGTATAATGTCT 14630
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56810|56820|56830|56840|56850|56860|56870|56880|
                |-----|
Human           TTTTAAATGTTTTAACAGATATTTTCTAAGTTTGGTGCTGTATTGAAGATAATCACATTTACAAAAATAACCAGTTTCAA 56834
AsianBonytongue ----- 0
Reedfish       AGGTCAGGAAGAGACACCCAGCACTCAAGTCTGTCACAACTAGGGTTGAATGATTAAGATTAGGTCTCTTACATTCCA 14710
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56890|56900|56910|56920|56930|56940|56950|56960|
                |-----|
Human           GCTTTGCTCCAGTATGGTGATCCAGTAAATGCTCAACAAGCAAACCTAGTAAGTCTTTCTTTTGAGATGGTGATTTTTTT 56914
AsianBonytongue ----- 0
Reedfish       AGGAAACTTAAACTGATGACTTCAGCCCAAGAAAGGAGAAAACAGGACCATAGATTGCATGGTGTATACTGCTCATTTT 14790
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |56970|56980|56990|57000|57010|57020|57030|57040|
                |-----|
Human           TTATTGAAATGTATATGTAGAAAAATATATATATATGTATGTATACTTAATGATATCTTGTAGCATTACAGATAGTAGAA 56994
AsianBonytongue ----- 0
Reedfish       AACAGTGGCAAGATGAGATTGAATAAAGAGAGAAAGCTTAGACCAGGGGTCTTCAACATGTCAGATTGAATAAAGAGAGA 14870
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |57050|57060|57070|57080|57090|57100|57110|57120|
                |-----|
Human           ATTGATGGCATTAAATATTAAGAAACCTTAATATTTGTCATAAAAGAAATATTTATTTTTAGGAAAATCATAGTTGTAGTT 57074
AsianBonytongue ----- 0
Reedfish       AAGCTTAGACCAGGGGTCTTCAGCATGTCAAGTAGCTCGCCAAAGGGTTAATGAATCCATATAAAATTTGAAAACCTGAT 14950
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority	57130	57140	57150	57160	57170	57180	57190	57200	
Human	AACCATGATGTGGGTTTCTATTATTTTACTTTTTTTTTTTTTTTTTTAATTTAAGGACAAAAGTTTGTACTCTTAAGAAA								57154
AsianBonytongue	-----								0
Reedfish	TAGTCAAATTAGGGGTGCGATCTTTCCAAAAAATCATATCACAATCCTTTTAAACACAAAGTCACAATCCACAATCTGA								15030
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	57210	57220	57230	57240	57250	57260	57270	57280	
Human	AAGCAGGACTATATTGTGAATGTGCACCAGCATAAGATTTGAAGTGGCTTTTGTCTGGGAATTTCAAAGTAATTAGTTTTTC								57234
AsianBonytongue	-----								0
Reedfish	ATTGCAATCTATCTTTTCAATGTGTCATACAAGAGAGAATATCCGGACTCAAACCTCATCAAGACCTAAGTAACACTTTAT								15110
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	57290	57300	57310	57320	57330	57340	57350	57360	
Human	AAAAGAGTTTGGCTGAAATATACAGATGTGGCTCAAATGCTATGATAGGCTCTCAGTTTATTTAAAACTATATATCTCT								57314
AsianBonytongue	-----								0
Reedfish	TTTAAATATCAAACAAAGTTGAATTCAGTTGTTCTCTCGTTCGCTAGCTAAGTGGAGTTAAGGAACACGACCCAAAGCTG								15190
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	57370	57380	57390	57400	57410	57420	57430	57440	
Human	TTAATGTCTTTTTTTTAAAGGTTTATGAATAGGTTTCTAGTCACTTTTTATTCATATCATTATCTTTTTTGTCAATGT								57394
AsianBonytongue	-----								0
Reedfish	GCGAGCGAGTGAGGAACGCCCTCCCCTCGGCCACTGCATATTTCCAGATTCGCACAAAGAAATCAGTACCACAAGTG								15270
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	57450	57460	57470	57480	57490	57500	57510	57520	
Human	TACATATGGAGGATGTAAGGTCATTGAGAGATGTAAAATTTCCCATCAAGGCTGCCACTGAAAACCTGCGCACCACATCTT								57474
AsianBonytongue	-----								0
Reedfish	AACTATGATAAATAGCGAAATAAGAGAAGTCGCAGAATTAACCGGAATGTTCAAGCAGATTATAGAAAAAACCCGCTCT								15350
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	57530	57540	57550	57560	57570	57580	57590	57600	
Human	TGCTTCCAAGTACCTTAATCTTCTGTTTGTATATCTTAAATCTACTTTTGCTCTGTCTCTTTAACTTTTTGTGCCATAGT								57554
AsianBonytongue	-----								0
Reedfish	AAAACCGTTAAGTAGTTCTCTCATGAAAAACAGACAGACATTGGATATTATATATTAGTAAACCTTCAAATAATATG								15430
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                |-----|
                |57610|57620|57630|57640|57650|57660|57670|57680|
                |-----|
Human            ATCTCATTATTATTACTATTCCATTATTAAGCCATTAAAAATTCATTATTAAGCCATTATTATGAAACCATTTAATAAGC 57634
AsianBonytongue ----- 0
Reedfish        CAGTTAAAGTCTCAATAGCACGCTCAGCATTCTGGAGCTTAGTAGAGCCAGATAACTACAGTATAAGAATCTTCACCAA 15510
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |57690|57700|57710|57720|57730|57740|57750|57760|
                |-----|
Human            TTACATTTATCTTAAGTGGTTTCTTCCTTTCATTCATTCTTTTACTTTCAGATTAATTATTGTCTCTAATACTTAAATG 57714
AsianBonytongue ----- 0
Reedfish        GCAGCTCTGAAAATGTCTGCTTTGTTTGGGTCTATGTACCTCTGTGAGTCTGCCTTTTAAAGTGGCTACACTCCACCTATA 15590
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |57770|57780|57790|57800|57810|57820|57830|57840|
                |-----|
Human            CTTCTCCAGATCAAGATTACTTCTGTGGAGCCCAGACCATTTTTTACAATTGTTTCATTGCATTTCATCCACACAACC 57794
AsianBonytongue ----- 0
Reedfish        CACCTCTCTTGCAGTGCCAGTCATCTCACTAACTAAAAACACATCACACATGCAACTGGACATGTGAATACTCTTG--- 15667
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |57850|57860|57870|57880|57890|57900|57910|57920|
                |-----|
Human            TCATTTTGGGAGCAAAATTAGTTGTAGGTAGCAGAAAGGCTATACAAGTAATAATAGCATAATTGTAATAGTTTACCAAG 57874
AsianBonytongue ----- 0
Reedfish        -TGAAGTGAACCGTGACATGTAACAAAATGAATGACAAATGATTAAGTAATATCTGTGTATTTGTAGTTGCATTGTTTT 15746
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |57930|57940|57950|57960|57970|57980|57990|58000|
                |-----|
Human            TGCCGTAGTCTCATTTTTTCTGACCACTACTCTATATTGTCAACAAAACAGGGTTTTCCCTGCGTTACAAGAGGATGCT 57954
AsianBonytongue ----- 0
Reedfish        GTTTTAACAGCATTGTTTTTAATCAATAGTGTGAGATACGCTAGAAAGTGCATACAGACATGCAAAAATGTATTTGC 15826
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |58010|58020|58030|58040|58050|58060|58070|58080|
                |-----|
Human            AAGATTTAAAGAGGTGAATTACTTACAGTGAACACCACCTATAAGGTAGACATTTTTTCAGTCTTAGCCTTTCTCTCCAG 58034
AsianBonytongue ----- 0
Reedfish        AGGTGAACATAAATTTTTGTGATTTTTCTAATGCAAAATGTGAGTTGTGGACACCAACATTTTGTAATGTGCAGGCAA 15906
NorthernPike    ----- 0
SpottedGar      ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority	-----								
	58090	58100	58110	58120	58130	58140	58150	58160	
Human	TATGCTGCTTCTCACTGGTTCTCGGGTATAATCTAATCTTACTGTGCTTTCGGCTTCAGGCATAGGTTAATAATTAGAAT								58114
AsianBonytongue	-----								0
Reedfish	AACAAACTCATTTCAGTTTGTGGTTGAAATAAGCTATGAGAATAAACGTTAGAAAACATGAGTAACTCTCGTCCATTT								15986
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58170	58180	58190	58200	58210	58220	58230	58240	
Human	TCTTTTTTTTTGTCCAAAAAATGATTATCCTCCTTTCACATGCCCTGGCTACCAAATCAATGTGGTATGAGGTTTTATG								58194
AsianBonytongue	-----								0
Reedfish	TCATTTTGTAAAGTAGCTCGGGGGATGTTGGAGACCTCTGGTTTAGACCCATTATTAAGAGTTCTTGCATTAGAAAA								16066
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58250	58260	58270	58280	58290	58300	58310	58320	
Human	AATAGGAGACAATCTAGAAGTCATGGTTTCTGTGACATTTTTCACAACTTCAAACGTTTAAATATAGTCTACATTTTCT								58274
AsianBonytongue	-----								0
Reedfish	GACCCAAATGCAGTTATTAAGAATATATCTGAAGATGGAATAGAGAGCTCAACTCTGAAAACCAAATCTGAAACAGGC								16146
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58330	58340	58350	58360	58370	58380	58390	58400	
Human	TGGTGTGGAATATTTTCCTTGCTCTTCTGACCCCAAAGAAAAGTATTTGTTAGAGGACCAATTAATGAAATTTGAGTGG								58354
AsianBonytongue	-----								0
Reedfish	ACAGGAGTAAAAGAGAGGATGGAGCCTTGAGACAAAACCTCTCAGAGGAAAAGGGAGGGTTTAGTCTAATTAATTTTGT								16226
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58410	58420	58430	58440	58450	58460	58470	58480	
Human	GGATTATACTGTGTTTGAGCTATAATCTTAAGGGGAAAATGTTTATATGTGTATCTTGTCTGAAGTAATACATAGTTA								58434
AsianBonytongue	-----								0
Reedfish	ACCACATACAAAGTCCTAAATAGATTTAAATGTGATGGGCATCCTCTGCATATGAGCCTATTATGCTAATTCAGAATTT								16306
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58490	58500	58510	58520	58530	58540	58550	58560	
Human	CATTAAATCTCATAAAAGTACCTCAATGTGTCAACTGTTTGACATTTTGTTTAATCTTCTGTGAACAGATACTAAGCA								58514
AsianBonytongue	-----								0
Reedfish	GAACAAGTAATATAAACCGCAAATTTACTTGTCTACTGTTAGTGGTTAAGACATAAATTAAGAGCAGTGGTAAAGAA								16386
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority	-----								
	58570	58580	58590	58600	58610	58620	58630	58640	
Human	TCCAACTATGATATTGATGTTTGTGCACAGGTATGCACTCAGGTCTTCTTGACAAAGATCTAAAGTTATAAATTCTAAGAG								58594
AsianBonytongue	-----								0
Reedfish	TGCAGCCTTGCT-TGGCTATTCCTCTGTTAATAGAGAAAGGGCGTGAGATGTTGGAATTATTAAGGCGGTCCATCCCTG								16465
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58650	58660	58670	58680	58690	58700	58710	58720	
Human	AGTAGATAAATGTTTTACTAAGTACTTATTCTGGTATCAGAACTCACACTTCACTTATTACAGAAGGAAAAAGAAATTTG								58674
AsianBonytongue	-----								0
Reedfish	GGGCCTTGCTTATGTTTCATGAGGCCAGCACCTCTGAGTTTAGCTATAGAAAAGTGAATCTAAAATAGAAGCCTCTTTC								16545
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58730	58740	58750	58760	58770	58780	58790	58800	
Human	TTTCCTAAACTTGCTTTGCCCCATTACCTTGTAATCTAGACCCTTTGGTAAAATTTGCATTTTTGATAACTACAGTAATG								58754
AsianBonytongue	-----								0
Reedfish	TCTGTGTGATGTGGAAGGGGACGTTTATCAAGAAATAATCTAATATTAAGGGGCTGGTGCTGAGATAATCACTAAATAA								16625
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58810	58820	58830	58840	58850	58860	58870	58880	
Human	TTCATTTTACTTGCCTGCATCTGGGCTCTACTTAGAGAATATCACATAATATTACATAATCTGACAATGGTACCAGTTT								58834
AsianBonytongue	-----								0
Reedfish	TTTGTGTAGTTATTAATAAAAAAAAAAAAAAAAAAATTTGTTGGAGCTGTTTGACATCTAGTTTACATCCTTAATCTGCAGAT								16705
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58890	58900	58910	58920	58930	58940	58950	58960	
Human	AAATCCATCAACGTCAACTACAAGTAAGCCCTCTACTCTACTTTAAAAATCTCTTCCCATTTCTTCAGTCAACAGTTTTT								58914
AsianBonytongue	-----								0
Reedfish	TATGTCTAAGCAAATAAGAATCCCGCACATCTTGGATTGAGCAGAGGAATAAGCTGCATCCAATATTTTTTTTTTTTAA								16785
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	58970	58980	58990	59000	59010	59020	59030	59040	
Human	CTGTTTTTCAATGCCTATGTCAGATAGAAATTTCCCTTCTACCATATCTCTCCTCACTCTCACTTGCTTGAAGAGGA								58994
AsianBonytongue	-----								0
Reedfish	CAGATGTGACTCCTGATTTAAGCCATATCAATATTGTGACAGCAGAGAAGGCTGAACATGCTTAAGTGCTGCTGACCAG								16865
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                |-----|
                |59050|59060|59070|59080|59090|59100|59110|59120|
                |-----|
Human           |AAATCACATGGAAGCTTCATCAGCTTTTCTTGCAAATCTGCTAATACTCACACTTGTCTTTCTCTTTTAATAAAAGGCA| 59074
AsianBonytongue|-----| 0
Reedfish       |AGTTAAAATCCCTGACAATCCAGTAAATAATATTAACAAAGCCATAGTCAGTATTAGAAGAGAGGTAGCTACAACAGAA| 16945
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |59130|59140|59150|59160|59170|59180|59190|59200|
                |-----|
Human           |TAGATGTTTAGTTATCTAAGACCAATAAACACCAAAGCCTATCGTCTTCTGCCTGTCAAGAGACTGCACTATCTGTCATC| 59154
AsianBonytongue|-----| 0
Reedfish       |TATTGAAAACCTTGGGGGAATGAAACTGGTGTATTATGGCACCATATCCAGTGAATTCAAAAATCTACATCCCCGAAGTT| 17025
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |59210|59220|59230|59240|59250|59260|59270|59280|
                |-----|
Human           |CCCTTCTCATTTATTTCTCTATATTTGGCCACTTTTCACCAGTTTCAAGCATTCTCAGCTTCTTTCATTTTAAATGAA| 59234
AsianBonytongue|-----| 0
Reedfish       |CACTCAACTTAGTTACCATCCCTGATCTATGCCCCAGCTGATACTTCCAAATCTGACTAACCACCAGCAGGAGAAAGG| 17105
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |59290|59300|59310|59320|59330|59340|59350|59360|
                |-----|
Human           |TTTACCTTCAACTTTCAATCCATCCATCTATAACTCTACGTACTTTCTATCA-----CCCTGCCTCCCCTCTCCCTTTTC| 59309
AsianBonytongue|-----| 0
Reedfish       |CACTCTTTATGTTGTAAAATACTAAGTAACAGTTTATTAGGAAAAACAAGCAATGGCCACAAAAGTACCTCAAATCATTAA| 17185
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |59370|59380|59390|59400|59410|59420|59430|59440|
                |-----|
Human           |ACTCATAACCAGACTTCTTAAATAGTCTATCTTTGTTGTTTATTATCTCATTTCTCTACTTACTATTATTTGGTTTTAGC| 59389
AsianBonytongue|-----| 0
Reedfish       |ATCCACTCCCATATAATTAAGCACGAGCAATAACCAAATGCCATATTAGAGTACAATGTATGAGTAATGGGCAAATAA| 17265
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |59450|59460|59470|59480|59490|59500|59510|59520|
                |-----|
Human           |ACTGTTGACCCAAATGCTCTTCTCAGCGTCACCAGCGATTAGTAGAGTAGCTAAATGCTAGTGATATGATTTAGTCTCT| 59469
AsianBonytongue|-----| 0
Reedfish       |ACTGTAACAAATCACAGGATGATATTAATGCAGCATTCAACTATTAAGGTAATGCTGTGATTGTCAAATGGCACCTGC| 17345
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority	-----								
	59530	59540	59550	59560	59570	59580	59590	59600	
Human	TGTCTTACTTAATACCTAGATAAATATTTGGCACTGTGCACCATTGTCTTAAAATTCTCTTTCTTCTCCTGGTCTCTGATA-C								59548
AsianBonytongue	-----								0
Reedfish	TGTAGCCCCTACACCATCCCCAGCCACAAGCCAATATAACAAGAGGAAAAAAAAATAAGGCAGTGGTGTCTAAATTAAC								17425
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	59610	59620	59630	59640	59650	59660	59670	59680	
Human	TTCTCACCTGGATTTATCCTACCTCTCTATTTCTTCCTTGCTTTGTAACCTCCCCTTCTACCTGGGAGGCCTCACCTGCTG								59628
AsianBonytongue	-----								0
Reedfish	ATAGGTGCACAAAATGAAGCATAATACCAAGAATCCATAACAACTAAAGGTATAAAAAGTTAGGACTTTGAAGCAGATC								17505
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	59690	59700	59710	59720	59730	59740	59750	59760	
Human	TCACAGCTCCATTAACCTCTTATGATTCAGACAGAGTTCACATCACATTTTCTAGCTCAGACCTCTCCTAAGAGACCCA								59708
AsianBonytongue	-----								0
Reedfish	TTAAAATACTAAAGCTGAGGAGTCAGTCAATCTGAAGATAAACGATTGTAAGCTTGGCCACAACCTGAACTAGTTTAAACA								17585
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	59770	59780	59790	59800	59810	59820	59830	59840	
Human	CACTAAGAACCTGGCGGACTAATGAATATCTTCAAACAGTGTGTTCAATCTAGCTCCTGTTTTTGGTGTCCGCTGTGTTA								59788
AsianBonytongue	-----								0
Reedfish	ACTGAATGAAATAGCTGCTGATAGTGAAGGATAGGTGCTAATTGTAGTGAAATTGTCTGTTTGGGCAAGCGTCTACAGTG								17665
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	59850	59860	59870	59880	59890	59900	59910	59920	
Human	GGAAAGTGCAAGATACCAACTTCAGTCTCATTAAACAAGCCAGTAAACATGGTATTTTTCCCTTTCCTTCCAACCTGTCAT								59868
AsianBonytongue	-----								0
Reedfish	GCCAATTGGGGGGCGGGAGTGCCTAATCTGAAAGTTGTTTTTCTCTTTATTAGGACTAAGTGAATATGAAGCTTTAC								17745
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	59930	59940	59950	59960	59970	59980	59990	60000	
Human	CAGATATTATTGATTATACCTCCTAAATTTTTGTTGAATCTGGCCTTTTTTCTCCAACCTCTTGCTACCATTGCAGTCTAA								59948
AsianBonytongue	-----								0
Reedfish	AGACTTTTTTTGACCAGGATGGTAGCATTTCTATATTGGGTCATAATCAGACAAGTCTCGAGCTCCCAATACCCTTCAC								17825
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----

 60010 60020 60030 60040 60050 60060 60070 60080

 Human GCCAGTGTATTCAAGATGCTGGTCTCTCAAGGTAGTAGTGTGTGTCAAACTGAAATCAGCATACTTCTAGCAACAGTAT 60028
 AsianBonytongue ----- 0
 Reedfish ATATAATATTCTGAACCTGACACACCTTCAGAATTAAGCCTGCAGTCTGAGAACCTCAGAACTTAATAAAAAGGGCAGGA 17905
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 60090 60100 60110 60120 60130 60140 60150 60160

 Human GCTTAATGTCAATATTGGCATAAATTTTGACACAGACTTCTTATATTCATGCAGAGTAGCCTGGGCTTCTGGACCGTCAA 60108
 AsianBonytongue ----- 0
 Reedfish ACCTGATGAATCTGCACAACCTGTATACACTAATGCACGTGTAATATTGGGGACAAAGTCTGGGAGACTTGGGAAAAACA 17985
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 60170 60180 60190 60200 60210 60220 60230 60240

 Human TCATAATTTAAGTAGCATTGATGTAGTAATAATTCTCTTTTCATATCTCCACTTCCTTGGCCTTCTGACTGAACTCACCAT 60188
 AsianBonytongue ----- 0
 Reedfish ATTTCTGCTTTTTGTATGAGAAAAGAGATCAGATTGTCTTTCCTGGCATCTCTTAAAGCCCTAGAATTGTTAAGTTGTC 18065
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 60250 60260 60270 60280 60290 60300 60310 60320

 Human TTTGACATCTCCCCTACCTCCATTATTTTCCACAGAGTACTAGGAATCATCTCAACGTCAAGTCATATGCTTCTAAT 60268
 AsianBonytongue ----- 0
 Reedfish TTTGGTGAATGCATTCTTCTGATTGATTAATTTGTTTGTATAGTGGCAGCCTCATTATGCAGCACGTTTATTTATAAAT 18145
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 60330 60340 60350 60360 60370 60380 60390 60400

 Human CACAATACCCTTTAGTGACTTTTTTGTCCTTGCAATAAAGTCCACAGTCCTTATCATGGCTTATAAGACTCTAAATCAGT 60348
 AsianBonytongue ----- 0
 Reedfish CATGGCAGCATACTGGATTGCAGAGCCTGATTAATTTTGTCTGCTCCTTAATGCCAGACAGTTCAACACATGTCC 18225
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----

 60410 60420 60430 60440 60450 60460 60470 60480

 Human CCTCAGCTTGCCCTCTCCATTCTCTCTCATGCCTTTTTAGCTATATTGGACTTCTTTAAATAGCTTGCATATACTGTATT 60428
 AsianBonytongue ----- 0
 Reedfish CTGTAAAGTTGATCAGCATAGTTGATTACTCGTGGTGTATTGTTTAAGAAATTTCTCTTTGAATTTCCCAATATTTATT 18305
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                |-----|
                |60490|60500|60510|60520|60530|60540|60550|60560|
                |-----|
Human           |TTCTCTGATGTCTCGATCTTACAGATTGCTGTTCCATTTGCTAATACTATTTTTTCTCTTCATCTCTTTATGCCCAACTT| 60508
AsianBonytongue|-----| 0
Reedfish       |AATGTTTTTGCAGGATTCTGATGATGGGTGCTTTAGCTAAAAAGAAAAAGACTAATTCTTTATGCCTTATGCCAG---T| 18382
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |60570|60580|60590|60600|60610|60620|60630|60640|
                |-----|
Human           |CTGCTTCTCTTTGTCTTTCAAGTATCAGTTTAGAAGCCTCTTCCTGAGATAAGTCTTCTGTAACATTTCAACTAGATTAG| 60588
AsianBonytongue|-----| 0
Reedfish       |GAGGTTTACCTTCAAACGCATCCTGCTTATTTATCATCACAAACAAGGGCAGCCCCACAACCACATCTGATTCTCTTAGA| 18462
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |60650|60660|60670|60680|60690|60700|60710|60720|
                |-----|
Human           |ATCCCTTCCTTTCTTAGTTCTCAGTATCACACATAAAATTTATAAATTTGTTAAATGTGTATATTTTCTGTCGGACTGTAA| 60668
AsianBonytongue|-----| 0
Reedfish       |TATTGTCATTTGGTCTGCCAAAGTTGTTAATAATTGACCTGTCTAACTGAATCTACTAAAGCTCATGTCAATATTATGCA| 18542
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |60730|60740|60750|60760|60770|60780|60790|60800|
                |-----|
Human           |GTTCTGAGTACCATGTCTGCTTTGCTTTTCTGCTGATTTTATTAACATTGACATTCAGGGTGAAAATCAGAAGTCATAGT| 60748
AsianBonytongue|-----| 0
Reedfish       |ATTTTGTGTCATGGGGTATGCCCGCTGCACCATGTCAAATTAACAGCTGAAAATCATAGCCTGTGTTACATTTCCCGATT| 18622
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |60810|60820|60830|60840|60850|60860|60870|60880|
                |-----|
Human           |AACAATCTTAATTATCAATAAAAAGTATTTTATGCGATCCTCATATTTATTAAGAAAACACCTTAATACCTTTTCAGAAA| 60828
AsianBonytongue|-----| 0
Reedfish       |TGAGCACCAATCTTCCAGTGCTCACCCTTTTTTCTGATAGCTAATGTTCTGTTGCCTGACCAATGCCACTTTACAAATTA| 18702
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |60890|60900|60910|60920|60930|60940|60950|60960|
                |-----|
Human           |ATCTTGTTTTATTTATTTGAAAGTAGTGTATTAGGCAAAGATGCGTCTTCTCTTGGCTTTCTAATTCAGCTTTTATAATGT| 60908
AsianBonytongue|-----| 0
Reedfish       |ACAGCTGCAGTTAGTTCAGCAGCAATCTGTGCCCTTTATTTTTCTCCTTCTGGTAAGATAAAATATTAGGCATCAGACAC| 18782
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
60970	60980	60990	61000	61010	61020	61030	61040
 Human TGAGGAATATAATTACTTGATGCATAAAAAATATCAATCTTTTAAATAGTATAATAAGACATATAATGTAATCTCCTTTTC 60988
 AsianBonytongue ----- 0
 Reedfish ACAAGATTTAGTTTCAGCTTGTGAAGTTGAAAACAAATGTGTTCCCTTATTCCCTCGAAACTGGATTCTATTCATTGTATTTC 18862
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
61050	61060	61070	61080	61090	61100	61110	61120
 Human ACCTGGGATTTAAAAATGTTTTTACATAGTCCCTTACATTATAACACACATAAGTAGGAAATGGTTCTTTTTGGTTTTTG 61068
 AsianBonytongue ----- 0
 Reedfish TAGAAAGGAATTCATTCGTTTCATTGGTTGTCGGCACTCTGCATATACAGCCTGCTCCTAGGCTAACTGGAAAATCAA 18942
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
61130	61140	61150	61160	61170	61180	61190	61200
 Human TTATTAGAACAGCTTTTCAGAAACATGTCTTTATTAGGAATATCTTTAGTTGACACTGGACAGTATATTGTGTCTTCTG 61148
 AsianBonytongue ----- 0
 Reedfish TATATCTAGGCAGGCGCAGACTAGTTGGCCTCAATTCTTAGACATGCCTCATTAGACAATCAGGTTACTGGGAGTGTGAC 19022
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
61210	61220	61230	61240	61250	61260	61270	61280
 Human GAAGTCCTGTTTATATGATCATTTTATTTAAACATATAAGTGGGTTGTTTCTTATTCTTTATTTCTCCAGGAGATTCCA 61228
 AsianBonytongue ----- 0
 Reedfish TCAGACTGGCCAAGATAATGTAATGTGACATAGGCTTTACTTGCT-TCATAAAATATGTGTTCCCTAGTTGAGCCTTCA 19101
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
61290	61300	61310	61320	61330	61340	61350	61360
 Human TTTCATCACTAACTGATAATAAAAAATAAATATGAGATAAAACATTTGCAGCAGTAAGATTATGTCATTTCCTTCTC 61308
 AsianBonytongue ----- 0
 Reedfish TCCTTTGTGGTAGAGGGCTTCATTCCAGCAAATGTACAGAGCCTGACAAAAAATATTTATGGTCTGAAGATGACTCC 19181
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
61370	61380	61390	61400	61410	61420	61430	61440
 Human ACAGAGTACACATTGCTTTATGCAGATTCTTTGAGAGACCTAATGGAATTATCCTTTGCTAATTTCTGGGCAAAGATTC 61388
 AsianBonytongue ----- 0
 Reedfish CAATTTTTTTTTTTTTTAACTTTAGAACTGCAAACGTGCATAATCTCCAGATTAATCATTGAGTAACTGGTTAT 19261
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
                |-----|
                |61450|61460|61470|61480|61490|61500|61510|61520|
                |-----|
Human           |TCCTTGACATCTGCTTAATTTACAATCTGTATATTTTACATTCATATTAATGGAGAATTTATGATGAAATCAGTGGTTTT| 61468
AsianBonytongue|-----| 0
Reedfish       |TCTTATACATTCTTCAGGTTGGCTACAGGCATGGCATGTACATAATCACATTCATTTATGGTAGTGATGTCTGTTCAGT| 19341
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |61530|61540|61550|61560|61570|61580|61590|61600|
                |-----|
Human           |AGGATGCTTTTAGGAAAATCCTGCATAATCTACCAGGGTGGGGTTATTTGATATTGGTAAATAATTAGTCTGAAGTATTAC| 61548
AsianBonytongue|-----| 0
Reedfish       |CGGTCACTATTCTAAGTAGGCCAGTTTTTCACACCAAATGACTAAATGTTCTGTAAATCTTAATAACTTTTTTCAGTATCT| 19421
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |61610|61620|61630|61640|61650|61660|61670|61680|
                |-----|
Human           |ATTAGTATTATAAGCTTAATTTTGTGTTGTTGATTTTGATAATTTTTCATGACTTGCCAAATATTAAAAAGTAGATATTT| 61628
AsianBonytongue|-----| 0
Reedfish       |TTTTTTACAATACGTTGCTGAGGAAGTGCATGTGTACTTTTGCTGTCGGAACCTACTGCAACTCGCTGTATTCTGGGAT| 19501
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |61690|61700|61710|61720|61730|61740|61750|61760|
                |-----|
Human           |AAAGAATTTGGAAGTTAAGGTTTCTCTCAGTGTGTGTTAAATCTGATCCCCAACAATCTCTTCAAAAAAGTAAGTTATCA| 61708
AsianBonytongue|-----| 0
Reedfish       |TAACAAATCCTTGATACACAGGTTACAGTTGGTACAAAATGCTGCTGCTCGCTTTCTGGTTGGGGCAAGAAAGTATGACT| 19581
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

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Majority -----
                |-----|
                |61770|61780|61790|61800|61810|61820|61830|61840|
                |-----|
Human           |ATAGTAAACGATGAGAAAAATGAAATAGTTTTATTTTGGCTTTTCATGTTTTTCAGTCCATATGCAGTGTTCATTGTGC| 61788
AsianBonytongue|-----| 0
Reedfish       |CTCTCTCCTATTTTAGCTTCTTTACACTGGCTGCCTGTCAGTTTTTCGAATTGATTTTAAAATCCTGCTGCTAGTTTTTAA| 19661
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
```

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Majority -----
                |-----|
                |61850|61860|61870|61880|61890|61900|61910|61920|
                |-----|
Human           |TGCTTTAATTATGCTTTCTGTGCCTAATATCTTTCTGTGTTTTGATTTCCATGTTTTAGCCATAAACTTTAAATTTACA| 61868
AsianBonytongue|-----| 0
Reedfish       |ATTTTACATGGGCTTGCTCCTGCCTATTTATCTGAACTGTGTGTTTTACACCAGCCATCCAGAGTGCTTAGATCTTCTG| 19741
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority	-----								
	61930	61940	61950	61960	61970	61980	61990	62000	
Human	TGAAACTTTTTTTTCTGATTGTTTTGCTTACTGTCTAAACCTTCACTGTGAGTAGGCACATTTGGAAGGTCTTTCTGC								61948
AsianBonytongue	-----								0
Reedfish	GTCAGCTGTCTCTGGTTGTCCCTCGTACCAAGTGTAACCAAGGGGGACAGGTCTTTTGCAGCTGTTGCACCTCGCCTG								19821
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	62010	62020	62030	62040	62050	62060	62070	62080	
Human	AAATTATCTTGAGCTTTAATGTCAGAAATCTTTGCTCCAACAAGATCACCACATTCCTGATTGCTGAACCACAGGACTG								62028
AsianBonytongue	-----								0
Reedfish	TGGAACTCTTTACCTCATCATATAAAGGAGTCGTCTACAATTGAACTGTTTAAACAAGATTAAAGACTCATTTCTACTC								19901
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	62090	62100	62110	62120	62130	62140	62150	62160	
Human	GTTTGTGTGCTACTGCTATTTCTTGGGATTTG-CAAATACATGAGCTTGAAGTGAGCTTGCATATATTTTTTAAATTTG								62107
AsianBonytongue	-----								0
Reedfish	ACTTGCATTGAGTTACCTTCAGTAATACTGATGGCTTCCTCTTTGTGATTATATTACATTACTTCTATTTTTTATGTATA								19981
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	62170	62180	62190	62200	62210	62220	62230	62240	
Human	ATTTTACTCCCTTTCTTATTGTTGGTCACCTCCTTTAACCAACTATTTAAATACCTGGATTTTGTCTCATACACCT								62187
AsianBonytongue	-----								0
Reedfish	TAACATTACTTCTATTTATTATGTATTTTATTTTATGTTCAAATATTTTATTCTATTTCATGTTTTATGTAAATTTGTTT								20061
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	62250	62260	62270	62280	62290	62300	62310	62320	
Human	CAGTCCTATTTCTTTCTCTTTTGCCAACAGATGATTAATTTACATCTTGTTTGCTTATTTCTCTAGCTCTTGACCTT								62267
AsianBonytongue	-----								0
Reedfish	TATTTTGTAAAGCACTTTGGCCACAGCATTACTATGTTTGTAAATGTGCTATATAAATAAATTGACATTGACATAAC								20141
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	62330	62340	62350	62360	62370	62380	62390	62400	
Human	AGGTATACTTCTGCATCTTCCACCTACATAAAGTTTTGTTTTGTTTTTAAATGTTTCAGAGGGAAAATTTCAAAGGGTCC								62347
AsianBonytongue	-----								0
Reedfish	CTGAAAACAGAGCATAACAGGAGAGCGAGAAAAGACTGGAATATTGGCCTTTACATTAACCTTTTAGGGCTAATTTTTTT								20221
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                |-----|
                |62410|62420|62430|62440|62450|62460|62470|62480|
                |-----|
Human           TGGAGGGCTTTCTAACAAATTGGCATATTCATTGTTAGATAAATTTGGCAGTCGGACCTCAGTATTGCTGGGAAAGAATTCA 62427
AsianBonytongue ----- 0
Reedfish       TTTCCATATCTCCCAGGGCTGAATATTTTCCAAAACTAACATTTTAAAAAAGAACACAAAGCAATTGTTTAACATA 20301
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |62490|62500|62510|62520|62530|62540|62550|62560|
                |-----|
Human           ACTCCTAAAAAACTTAGTGTGTGTTTAGTAATTTTGTATCAGCACTTTTAGCATTAACTAGATACTGTGACTCAAACCC 62507
AsianBonytongue ----- 0
Reedfish       TCAAATCAAATCAACAAAAATATTTACTTTTGACAAATGTTACTGTCTTGCATGTTGTATGAGCCTGCATACTATATAT 20381
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |62570|62580|62590|62600|62610|62620|62630|62640|
                |-----|
Human           AGCTCTTTTCTCATAAGGTATCATTTTCTCTTTGATAACATTGAAGTAGTCACCTAAGAGTGAATTTTGCTACTTATCTT 62587
AsianBonytongue ----- 0
Reedfish       TTCACATACATATCACATACATTTTACACAGCAAAGTCCTGCAAAGTCTGATCTCGCTCAAAGCAGCCAATTTTCAGTCAT 20461
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |62650|62660|62670|62680|62690|62700|62710|62720|
                |-----|
Human           TTGATATTTTATCTATTGTGTAGAAACATCAGTTCATTACTTATCTCACATTTTCCCTATAGGAATGCTACATTAGTAAA 62667
AsianBonytongue ----- 0
Reedfish       TGCCCCATTGCACTCCTTACAATATGTGTGCTTTGGTGCCTACTTTTCAATTGTCTGTTGCTGCACTTTTCTCACATATA 20541
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |62730|62740|62750|62760|62770|62780|62790|62800|
                |-----|
Human           TGAATACCTATCTTCAGTGCTTTCTTTCACCTTTACACCAGGGTATTCAATTAATAGTTATGTTATTCTGGCTGATAAAGT 62747
AsianBonytongue ----- 0
Reedfish       TTGTTAGTGTGACTGTAGAGAGACAAGTCACCCATTTGCCATCGTGCCATGCCACTGCCACCAAGTTTCTGCCCGCAT 20621
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
                |-----|
                |62810|62820|62830|62840|62850|62860|62870|62880|
                |-----|
Human           TGATTGATACATGGCTTCCACTTTTATGTGATGATAGGTACCTTGCCCTAACCCAAATGTAATTCAAATCCTGATGTGTAT 62827
AsianBonytongue ----- 0
Reedfish       GAAAACCGGATTGTCACCTCTTTTCATCTTCTGAACTTTTATGAACTTTATGCATGGCATTATAGCCTGGCTCACCCCAT 20701
NorthernPike   ----- 0
SpottedGar     ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
62890	62900	62910	62920	62930	62940	62950	62960
 Human GAACTCTCTTTTCAGTTTTTACCAGTGTCTGATTGAAGTGGATGAATCTGTGTTGAATTATTTTCTAGGTTAGTTTTTAGG 62907
 AsianBonytongue ----- 0
 Reedfish GGGATTTGCTTCTGTTTATTACAGAAGTGAATAAACTTTGCAGCAGCACGTACCTATCACCACGCTGCATAACCTGTCC 20781
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
62970	62980	62990	63000	63010	63020	63030	63040
 Human TAGGTAGATTAGTCCATAAAAAAATTCGTATATTAAGAGAAAAGGTTTTATATTTCCAGAGGTGAGAATATTTGAATTAA 62987
 AsianBonytongue ----- 0
 Reedfish AAAGCCACTAGGGACAAAGCACGTTTGGACCAATGCTCCCTGAAGTTATATCACCAGTTCTGTCCCATCTCTATTTGTA 20861
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
63050	63060	63070	63080	63090	63100	63110	63120
 Human AAGCTTTATATACTTAAGCAACTGTAGAGGTTTACTTTTTCCATAACACGACATGTTTATTCTTCTAATGAAAAGTTAAC 63067
 AsianBonytongue ----- 0
 Reedfish ATGCCACAGCAGCTTCATCTCGTCTTTTGTGTGGGTTTCCACTTTGAAAAATGAGAATGCGAAAAACCCGAGCCCGC 20941
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
63130	63140	63150	63160	63170	63180	63190	63200
 Human AGTATGTTACCTGTCTCTAGTTTGTTCAGCTTATATCCAGCTGAACTAGAAATGGTGATTATATAGGAGCAGAAAA 63147
 AsianBonytongue ----- 0
 Reedfish GATTCAAAAAATTTCTCTGCC-TACCTGTTTGTCTCATCTGACAGTAGCTGAAAAGCAGCATCAGGAGAGAGCAGCCTGA 21020
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
63210	63220	63230	63240	63250	63260	63270	63280
 Human AGTACAAGATAATCATAGCGGTAACATAGTCCTTTATAATTCATGATGTATTTTCCACATATGTTGCTTTAATTTACTCC 63227
 AsianBonytongue ----- 0
 Reedfish AGTAGTTCAACAGCTGGTGATCTGTCTGTCAGTAGCAAGCCATGCCTTCTTGTGAAGTCAGGTAGCCAGATCGGCTCC 21100
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

Majority -----
 |-----|-----|-----|-----|-----|-----|-----|-----|
63290	63300	63310	63320	63330	63340	63350	63360
 Human TCTTAATAACCCCTTGAAGAAGCATGACAGCCATTGTCATCATTCTGTTTTCCCGATTAAGAAATGAGATTGAGAGAGG 63307
 AsianBonytongue ----- 0
 Reedfish CATGGATCAATTTCTGGGTATTCTCCCATGCCAACCTTGTCTGATGATGTACCAGCAGCGCAAATGCGCTCAGCTGCCAG 21180
 NorthernPike ----- 0
 SpottedGar ----- 0
 ParamormyropsKingsLeyae ----- 0

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Majority -----
      63370  63380  63390  63400  63410  63420  63430  63440
Human      TCAAATAACTTGCTTAAGATGACCGAAAAGAGTCTAGGCTTTTAAATTAATCCTAGACCTGGCACTCGTCAGTTTCAGAAC 63387
AsianBonytongue ----- 0
Reedfish   CCCGACCAGCTGGGGCGGCATCGGCTGGTCTCCGATCGGCTGATGCCGGCTCCTCAATCTCTTCCCTCAATCTCCTGATCAC 21260
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
      63450  63460  63470  63480  63490  63500  63510  63520
Human      TTTTCGGGAATGACATTGGATTGCTAATTTTCATCAAGATAATCTGATTGGGGGTGAACATTTTCAGGTTAAGGAAAATAC 63467
AsianBonytongue ----- 0
Reedfish   TGTCTATGAAATCC---GACTCTGAAAAATCAGAGTCAGACTCCGCGATAATGCGCAAAATGTCATCTGCCGAGTATTTT 21337
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
      63530  63540  63550  63560  63570  63580  63590  63600
Human      TAGTTTTTTTTCTTTTTGCCTCATTTTATGGGAATTGCTATTATGTGTTAGGATAAATTTGGTTTGAAGCAACTTTGTACA 63547
AsianBonytongue ----- 0
Reedfish   CTTTTCTCGACTCGCTTAGCTCCCTCGTGAGATGTTGATGACATGTTGTCTTTGTTTACATTTTCGCAACTCACGCACACG 21417
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

```

Majority -----
      63610  63620  63630  63640  63650  63660  63670  63680
Human      ATGTGGCATCAAATAGCAGTTACCTTCTAAAAGTACTGAATCATATAAGTACTGCCATCCAGCAATAAATATATGTAT 63627
AsianBonytongue ----- 0
Reedfish   CAAGGATCATTGTTGAGTCAACGAGTCTAGCATTCCTCCAAGCACAGAGGGAATGCCAGTGACGTGACAATGAGTTTTG 21497
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
```

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Majority -----
      63690  63700  63710  63720  63730  63740  63750  63760
Human      AATAAAATTAACCTTATTGAGCAGAGTAGTGTGGTACTACTTTGGTAGGACTTCTGTGTTGTGATCCTTATTAGTTTTTT 63707
AsianBonytongue ----- 0
Reedfish   TCGCCATTAA---CAGCTGATTGTTGCCCTCTATCCCTGGATGTCAACTTTTGTGACATCCACCCTCAACCCCTCCTGT 21574
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority -----
      63770  63780  63790  63800  63810  63820  63830  63840
Human      TAAAATAACCTATTGCAATTTTAAAAAATAAAAGTATTAGCATGGATGCTTAGCTGGTTGTATTTTAGGTTGAAGTA 63787
AsianBonytongue ----- 0
Reedfish   CGACAAAAGTCGACATCCGCCCTAAAAGAGTTAAAGAAAGTGAAGTAAAATCTCATGAAAAGAAATGATCCTCTGCATA 21654
NorthernPike ----- 0
SpottedGar ----- 0
ParamormyropsKingsLeyae ----- 0
    
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Majority		-----								
		63850	63860	63870	63880	63890	63900	63910	63920	
Human		GCATTTTCTATTTAAGGAAGATAATATTTGGGGGAAAGTAATACATGGACAGCTGGAACAGCAAATTTGATATATGAAA								63867
AsianBonytongue		-----								0
Reedfish		GAGAGGAACAGCAGATGTATATGTTGTCTGGCTGAAAGATTGAAGAGGTGGAAGAAAAGAGGGTAATCTTTGACAAACAT								21734
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		63930	63940	63950	63960	63970	63980	63990	64000	
Human		TTTGAATCCTTTTCCTGGTAGCTTTTAAGTTCGAGTTTTTGTGTTGAGTTTTATTACTAAAATTATACTTTCACAAATT								63947
AsianBonytongue		-----								0
Reedfish		TATGAGAAGCTGGTCTAATGAGTTCAGACCTTTTAAATTTGTTCCCTAATATAAATGCATGCTCTGTGTGTGTCAGCAT								21814
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		64010	64020	64030	64040	64050	64060	64070	64080	
Human		TTTATTTTTTGTTTAAGATTGCTGATATGCTTTATTCACTTTTACAGGCCCTAGATGGTCAGAATATTTATAATGCCTGC								64027
AsianBonytongue		-----								0
Reedfish		GTATGATCTTTATAAATTCCTTATAAACATTTTATTACAATTGTGACTTGTAATTAGGGTTGCCACAATATAAGAACTGT								21894
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		64090	64100	64110	64120	64130	64140	64150	64160	
Human		TGTACCCTAAGGATTGATTTTTCCAAACTTGTGAATTTGAATGTAAAATACAACAATGATAAAAGTAGGGATTATACTCG								64107
AsianBonytongue		-----								0
Reedfish		AGTAGTCTATGGCAGTACCAGTGAACCTTTCACAATACTAGATATCGTTCAACACCAGTGAACAGCAAGTGGTGGAAATT								21974
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		64170	64180	64190	64200	64210	64220	64230	64240	
Human		ACCTGATCTTCCATCTGGGGATGGACAACCTGCATTGGACCCAGCTATTGCTGCAGCATTGCCAAGGAGACATCCCTCT								64187
AsianBonytongue		-----								0
Reedfish		TTATAATGTTGAAGAGATTTTGGCATAGGGCCTATAAAGGATGATATTAGCATGGACTGCTTAGTTCCTACTAGACAGTTAC								22054
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

Majority		-----								
		64250	64260	64270	64280	64290	64300	64310	64320	
Human		TAGGTATGATTTTTATTGTCTTAACCACTTTTCTCCCATTTTGCCAAATGGAAAAGTACCAGTAAGTATAATGAATCCCC								64267
AsianBonytongue		-----								0
Reedfish		CTTACATGTACACCTTCCATGTTTGTCTCTGACATGTACTTCTCCACTAACTAAAAAATATTGCTTACTAAACATTA								22134
NorthernPike		-----								0
SpottedGar		-----								0
ParamormyropsKingsLeyae		-----								0

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Majority -----
                |-----|
                |64330|64340|64350|64360|64370|64380|64390|64400|
                |-----|
Human           |CCATTTGGACCTTACCAAATTGTGTTAGGTTTCGTGAGTTTCTTTTCTCAAGTGAGAAGGCATATGAATACTGTAA| 64347
AsianBonytongue|-----| 0
Reedfish       |GTTTATTAAAGTACAGTTATTCTATCTGTACACCTGGATTTTCTTGAATTCATTTTTCAAGATATTTTAAAT---TGAA| 22210
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |64410|64420|64430|64440|64450|64460|64470|64480|
                |-----|
Human           |GAAAAACCCAAAGTATCTTTTATAAGTCTAATTTAAATTTATATGTTAGTTTTGTTCCTTTTAATACCTTCAGCTTCTCTT| 64427
AsianBonytongue|-----| 0
Reedfish       |ACATCTTTTAAATCTGTTTTTGTAAACAACATGCTTTTTAAAGCCTGGTTTCTCATGGAGTCACCTATTAGGGTTCTAAT| 22290
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |64490|64500|64510|64520|64530|64540|64550|64560|
                |-----|
Human           |CCATGCCACTCTCCCAGAACAAAAGAAGAAAAGCTCTAATGAAGAAATACTGTTGAATTCTTAATGCCATATTTTACACTT| 64507
AsianBonytongue|-----| 0
Reedfish       |ATTTGCTAAAGAGTAACAGATAAGTCAAAGTCTCCCTCTTTTTTATTTTTTTTACATTTGTCCAAACCTTTGATTTTCATG| 22370
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |64570|64580|64590|64600|64610|64620|64630|64640|
                |-----|
Human           |TAAACTTGATGTCACTATGCCTGAGTCTAGGCCTAAAGTTCTTGTGTGTGTTTTTTCAGTGCTGATCTGATGTTTTTAATT| 64587
AsianBonytongue|-----| 0
Reedfish       |TAAGAAATTATCTTGTGACGATTACTTTTAAATCC---ATTATTTTCAGACCACCTGTAAAACACTCTTTGTTTCAGCCATTTT| 22447
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |64650|64660|64670|64680|64690|64700|64710|64720|
                |-----|
Human           |TAGCATTGCATGGAAACAGTGAATGTTAAGAGACAAAACATACATAATGGGTGGAGGCATATGGGATTTTTTTTGAAGC| 64667
AsianBonytongue|-----| 0
Reedfish       |CAAAGTTTCGTATGTCTTTTTTGTCTTAGCCTGTGTACAAGTCCAGAATTAGAACATTAAGTGGGCCTTTAGTTCAAATGG| 22527
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |64730|64740|64750|64760|64770|64780|64790|64800|
                |-----|
Human           |ATATTGTAGTGGCCTTTTAAAAAACAATTTAAACTAGAAAGAAATTTCTGTAAAATTAATTTTGTCTATTTCTTTGCATT| 64747
AsianBonytongue|-----| 0
Reedfish       |AAACTACATTATTCTCACAAATGTACCTTTAAATATGACATATGTGCTTTCACTATGTATGTTACATATTTCTGTCTT| 22607
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority	-----								
	64810	64820	64830	64840	64850	64860	64870	64880	
Human	TTGTCCTTAATCATTTATATTTTACTTTGTACCACAATGGACTTGAGCCACCTAATAAAAAATACAGTGCAAACATATGCAA								64827
AsianBonytongue	-----								0
Reedfish	TAGCAATGAAGTGTTTCATTTTCGCTCATCCTGCTAACTGGCATAATTCAGTGCTTTGAAGCACTACATTTTATTTTGG								22687
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	64890	64900	64910	64920	64930	64940	64950	64960	
Human	CTTATAGTTGATAGCGTGGAATCAAGATGAAGAAAAAATAAGGAAAATCTTACTTTGTAAAGTAAAATGTGCAAAGTGAT								64907
AsianBonytongue	-----								0
Reedfish	TATTTAACAACTTGAGCAGCTCGATTTCATCTCCAGTGTAGGCAAGCCAAATAACCACTTTGTTTAGAAACTTACCACAAT								22767
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	64970	64980	64990	65000	65010	65020	65030	65040	
Human	TTATAAGTTAAGATGGAATTTTAGAGTTTCCTTTTATTTGATGTATTTCTTGATTTCTAGTATTGGTAAGATTATCTTTA								64987
AsianBonytongue	-----								0
Reedfish	TTTTACTTGCTACAGCTGTTTGTGCATTACAGTGCATGTGACATTTCCACGCAACCAAGAAGTGTACAAAACCAGTTAC								22847
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	65050	65060	65070	65080	65090	65100	65110	65120	
Human	AGTCATGATTTTATATATATGGAACCTCAAATTTGATAGTTGACAACTAGCTTTTACAATTTAGTTTATGTCTGTCATT								65067
AsianBonytongue	-----								0
Reedfish	AAAATAGACAGATGCTTAAAGTACATTCGTGGACATGTTTGCATTAATCGGACATGGTTTTAAAAAGCGATTTCATTACA								22927
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	65130	65140	65150	65160	65170	65180	65190	65200	
Human	TCAAAAGAAAAATAGTATAATTAAGTAGTTATTGGAAATATTTACTTCCCAATATATAACAGTCATGCCATCAGTTTGT								65147
AsianBonytongue	-----								0
Reedfish	CCTTCATTTTGTCTCCTTTTACAACATCAAGACTGTACAAGTTGAGTGATTAAGACTCAACATCTGATCAGTCACATCAT								23007
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	-----								
	65210	65220	65230	65240	65250	65260	65270	65280	
Human	GAATATGAAATCTGTAAGTGGTATATATGTAGAGAGAGATACTCTAAGGCAGTTGGTATTTGATTCTGGTAACTAATAAG								65227
AsianBonytongue	-----								0
Reedfish	GGCACTCGCAAAGCATGCATGAAGCTATTTATGAATTAATCTCTAATGGGATAAAAGAGGAAAATACCAAAGCCTGTGT								23087
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                |-----|
                |65290|65300|65310|65320|65330|65340|65350|65360|
                |-----|
Human           |AATTAACTACCTGTTAATTCTGGCAGCTGCAAACAAATCTGACCCTTTATTTCGAATTTTCTGGTGTATCCTAGCAGAAGT| 65307
AsianBonytongue|-----| 0
Reedfish       |TTGTGTTTTGACTTTTTTAAAACAATAATAATCATGATTCTTGCAGTCGTGTACTGAAATTCTCCTGTCGTAAGGGCAGT| 23167
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |65370|65380|65390|65400|65410|65420|65430|65440|
                |-----|
Human           |CATAGTGTTTATTATGACTGTAGTAGATGCTTTAGGTCACCTTACACTCTTTCCTGACAGAATCTCTACTACCTCTGTGTG| 65387
AsianBonytongue|-----| 0
Reedfish       |TTTCTAGATAAGTTTTTTCTTTTGAATATATAGTGTGATCATGGAGTGCTGTATCATCATCACCATGAGCCATTCTGTG| 23247
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |65450|65460|65470|65480|65490|65500|65510|65520|
                |-----|
Human           |TGCTAGCTTAATTCGTAATTCAGTTAATAAGATTGAATATTTACAGTGTGCAGTTTTTAAAGGCAAAGTCAGGAATG| 65467
AsianBonytongue|-----| 0
Reedfish       |AGGTAGCTCTTATTCACATTTATCTCACATTACTTTGCCTACTGGAATAATTTAAAGTTATTTATTTTCAGCATTTTATG| 23327
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |65530|65540|65550|65560|65570|65580|65590|65600|
                |-----|
Human           |AAAGAGTGAAACATGGTTTTTGCTTATAATTATTACTATAGATTATTTAAACTCTTTACTGATAGACATTGTTTTAGAAAG| 65547
AsianBonytongue|-----| 0
Reedfish       |TGGTCACTGAACAATAAGCCTACAGAATTTTCATTTTGCTTATTGTAAAAGACAAGGGGTCCCAACAAAGCCTTAACACAC| 23407
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |65610|65620|65630|65640|65650|65660|65670|65680|
                |-----|
Human           |AATCAAAATTTATTGAGTAGCTTCTAGGTCATATTCATTTCAGCTAGGCACTTGGCAGATACATTACTTTGTTAAAATAGA| 65627
AsianBonytongue|-----| 0
Reedfish       |CACACTAAAACAGTCCCTGGTGTAAAGTAAACATTTTATTTTACAAAATTCCTTTTATACAGACCAATCCACAACCTTC| 23487
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |65690|65700|65710|65720|65730|65740|65750|65760|
                |-----|
Human           |TGGTCTCATCAAGATTTTACATATAGTTTCTAAGAAGTTGAAAAATTCACATGCAACTCATCAAAGAAACAATTTAAAGA| 65707
AsianBonytongue|-----| 0
Reedfish       |CAGTATGCAGTCCGCTCCATTTGAGCTTTGCCTTCTGCTTCTGACTCTGACTCAACTGGCTGGATGGATTGCTTTTATG| 23567
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority	65770	65780	65790	65800	65810	65820	65830	65840	
Human	TAAAATACCAAGAAACTCCAGCTAAAGATAAAAATACCAAGAAACTCCAGCTAGTATTAACAATGGACTACAATAATCACT								65787
AsianBonytongue	-----								0
Reedfish	TTAGATCCTAGAATACTTCCGGTATCGACATAGCCCAACCAAGCACTTCTGGGTCAAATGGAACCTCTGAAACATGG								23647
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	65850	65860	65870	65880	65890	65900	65910	65920	
Human	TCTTTGGACCCTACTGAGGTGTGTGTATTTGCCCATCTGGATATACTTAGATGTGCTTGGATCCTGGGTGGGAGGCTTGG								65867
AsianBonytongue	-----								0
Reedfish	AGTCCTTCTCTGGCAGTATCCAAAGGCCCGACAAGGTTGTACCTCGGACTACGATTCTTATGAATCCCAGCGGGTGTCT								23727
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	65930	65940	65950	65960	65970	65980	65990	66000	
Human	TTAGAAGTCACGTGGATTCTTCTAGGGAATTTATCACCATTTTTCTTGTGATCTTATGACCTTGCTGAAACTTTTAAAAAC								65947
AsianBonytongue	-----								0
Reedfish	TATACTGGGTCCAATCCAGCAGAGCACTGCCATCTACTGTACTGGGGGAAGAACTGCTCTTGATGGGCCAACTCCATCAC								23807
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	66010	66020	66030	66040	66050	66060	66070	66080	
Human	AATAATAAAGTCATTTTTTTTCTCTTTGAGATGGAATCTCACTCTGTCGCCCGTGTGTCAGAGTGTGGTGGCGCAGTCTCGG								66027
AsianBonytongue	-----								0
Reedfish	ACTATCTGCTAATTTTTCCCTTTGCATGAGGTATTGATCCAGTCCATCCCGGCTGAGTTATGCCTCCTTCCATACTATC								23887
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	66090	66100	66110	66120	66130	66140	66150	66160	
Human	CTCACTGCAACTTCCGCCTCCCGGTTCAAGCGATTCTCCCGCCTCAGCCTCCTGAGCATCTGGGACTACAGGCGTGTAC								66107
AsianBonytongue	-----								0
Reedfish	CTTCCGTTATGGCTTCCCGACTGGGAAAGGGTCCAACACCGCTCTTAAATTATAAAACAAGTTTGTA AACCTCTATAAT								23967
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	66170	66180	66190	66200	66210	66220	66230	66240	
Human	CACCACCCTGGCTAACTTTTGTCTTTTTTCGTAGAGATGAGATTTACCATGTTGGCCAGGCTGGTCTGGAACCTCTGA								66187
AsianBonytongue	-----								0
Reedfish	AGTAAAAATACCAGAGTTAATACCTTAATTGTAGAAGTTAAGGTTAAACATTATTATTACTATAGGAGCTTAGTGTA AAA								24047
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                |-----|
                |66250|66260|66270|66280|66290|66300|66310|66320|
Human          |TCTCAGGTGATCTGCCCGCCTCAGCCTCCCAAAGTGCTGAGATTACAGGTGTGAGCCACCATGCCTGGCCGCTTTTGTTC| 66267
AsianBonytongue|-----|
Reedfish       |AGTCTTAACACTAAAATCCCTGGAGCCTATGAAAAAATCATAATGCCAGGCCACCTCAAATTCCTTCGCACCTCTTCAT| 24127
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
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Majority -----
                |-----|
                |66330|66340|66350|66360|66370|66380|66390|66400|
Human          |ATTTTTTGAGCGTTGTACATTTTTACATTAAAGGCGTGAAATTAAGTTGCTCGCTTTGCCAAAAAATTGTCTAGTGTCT| 66347
AsianBonytongue|-----|
Reedfish       |CAGCGTCTTTGTTTCGCAAATGTGTCAATCATCACAAGCAGCAAGCAGTTTGTCTGCCATACCTCAGTGACACGGATGA| 24207
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
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Majority -----
                |-----|
                |66410|66420|66430|66440|66450|66460|66470|66480|
Human          |TTTTCCACTTCTGTGTTGAATTTTTTAGTATAACGCATTTTTGTTTCTTCATCTCTGCCTCATAAGAAAAGGAAAAAGT| 66427
AsianBonytongue|-----|
Reedfish       |AGTGAGATGCAAAGTTCTCCCAGCTCAAGTCTGTTTATCTGGGTGTGAGGTGCCTGGAATTGTATAGGTAAATAATGTA| 24287
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
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Majority -----
                |-----|
                |66490|66500|66510|66520|66530|66540|66550|66560|
Human          |GTTTAGCCTTTCCTAAGTGACTTCTTTTTTTTATCTGTTTTAATGTTTTTGCATCTTGTATAACTGGGCTTTTTAACTA| 66507
AsianBonytongue|-----|
Reedfish       |TCTTTATTGGAGTACATGCATTTTCATGTCTGTTCCGTGTCTACAATGATCTAGGTAAATGTAGGAGGACAGGAAATGTG| 24367
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
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Majority -----
                |-----|
                |66570|66580|66590|66600|66610|66620|66630|66640|
Human          |TACTCAAAAATAGGTTAAAAGTAGGTGAGTTAAAGGTTTTAAAAATCAGATAATGGACCCTGGTTTTGATAATTCACAAG| 66587
AsianBonytongue|-----|
Reedfish       |AGGCAAGAAATGTTGAACACATAACTAAAACAACTTTATGTTAGAGTAATAATTACAAAATGCTGACGTGAAGTGATA| 24447
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
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Majority -----
                |-----|
                |66650|66660|66670|66680|66690|66700|66710|66720|
Human          |AGATAACCATTTATTTTCATATTTTTTATGTAATAACATGTTTCTGTACAAAATAAAATTGCTCTGTATTTGCAGATTT| 66667
AsianBonytongue|-----|
Reedfish       |ATGTTGTAAGACTGATGTCCAAATATCAAGTAAACACTTTCACAAAAGGTATAATGAAACAAGTGTGCTTTTATTCAAGA| 24527
NorthernPike   |-----|
SpottedGar     |-----|
ParamormyropsKingsLeyae|-----|
    
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Majority	66730	66740	66750	66760	66770	66780	66790	66800	
Human	GCATTATCTTTTATT-GTAATTGACATTTTACTTAGAATTTGTTTTAAAAGATAGCTTTAATACCTGCGTAGCATGTTCA								66746
AsianBonytongue	-----								0
Reedfish	AAATAACAAAAGAAAAGGAAATCGTTCAATATGCATATTGATGTCAATGAGTAAAAACCCAAGCCAAATATCAATCATC								24607
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	66810	66820	66830	66840	66850	66860	66870	66880	
Human	TGGGTATGCCATACCTTTGAAAGTGGACATGTAGGCTATTCACATACTTTTTATTAAAACACCCTTGACTTTTTGCCTC								66826
AsianBonytongue	-----								0
Reedfish	AGAAAGCCTGCTTGGTTGTTGCAGAGGTGAGAACTGCTGCCTCATAAGTAAAAGGTTGCAGTTTCGAGCCTGTTTGT								24687
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	66890	66900	66910	66920	66930	66940	66950	66960	
Human	TCAAATTTCTTCTTAGACTAGATTCCTAGAATTAGAATTATTGGGTCAAAGAAAATGTTAAAGCCTGTTTACTTTATTT								66906
AsianBonytongue	-----								0
Reedfish	CCCTGTTTTTCAGTAGTGAGCTGCTATTAGATAGATAGATAGATAGATAGATAGATAGATAGATAGATAGATA								24767
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	66970	66980	66990	67000	67010	67020	67030	67040	
Human	GCAAATTTCTTCATCTAAAGGTGATATTAACCTTAACTAACATTAATTATATATGAGGCTGGGTGTCCTACTTTTTCCCC								66986
AsianBonytongue	-----								0
Reedfish	CTTTATTAATCCCAATGGGAAATTCACATTCTTCAGCAGCAGCATACTGATAACAATAAATAATTAATTAAGAATGA								24847
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	67050	67060	67070	67080	67090	67100	67110	67120	
Human	TGCCAGCATACTATTTTTTAATTTACAAAGATTAATTTGATAGGCAAATGCCTATTTTTAATTTCTGTTAAGATTTAGTTT								67066
AsianBonytongue	-----								0
Reedfish	TAATAATGCAGGTGAAAACAGACAATAACTATTATATAATAAAAACATACATTTGATTTGAGTCTGTAACACCTGGTGT								24927
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	67130	67140	67150	67160	67170	67180	67190	67200	
Human	ACAATCTTTAAATGTTTATTGATAGTCACAATTTGCTAAATTGCTTGCCCTGCATTCTTTCTGTTAGGATGTACGGTAAT								67146
AsianBonytongue	-----								0
Reedfish	AAATTTTGTACTCTGTAAGTTAGCGATTTTTTTTTTAATTGTTTTATTCTCTGTACATTAACGTAGTACAATGAAC								25007
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority -----
                |-----|
                |67210|67220|67230|67240|67250|67260|67270|67280|
                |-----|
Human           |TCTTATAAAATGCATAGTAAGGATATTAATATGCATATTTTGGATGAGCCAAGCCTTCAGCTTTATTCACTTATGTTAGG| 67226
AsianBonytongue|-----| 0
Reedfish       |TTACCTCTCCCTTAATGAATTGACGATGTTTATCTCCATTCTTTTCACAAGAGCAGTGATGACCACAGTTGCTGCTGTGG| 25087
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |67290|67300|67310|67320|67330|67340|67350|67360|
                |-----|
Human           |TCAGTTTTTGGAAAAGTATTTTCAATAATCTCTCTTTTTAAATAATTGATCTCAATCCCAAAGTATTCATTTGTAGGAC| 67306
AsianBonytongue|-----| 0
Reedfish       |TTGATGCCTGGTCAGAATTATTTGTTATACCGGCAATCAAATATATGATGCCCGTGACCGCTATCAAGAGTATCATGCA| 25167
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |67370|67380|67390|67400|67410|67420|67430|67440|
                |-----|
Human           |ATGAAGACACAATTTTCTTCTTCATACGTTTGGTGAATATTTTGGATCTCAGTTTCCACTTCTCTTTTGGCTTTTAAACA| 67386
AsianBonytongue|-----| 0
Reedfish       |TCATTTGCGCTTTGACAACAGACTCCCTTGCAGAATGAGTGAAAAACAACAGATTTGCTGTGATCTCGGACATCAGGCAA| 25247
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |67450|67460|67470|67480|67490|67500|67510|67520|
                |-----|
Human           |TTGTTTATGGTGATATCCAATATTGCATGAGTGAGGTCATGCCTTTTAGAATAATAACTGAATCTTTTCTCTAATTATT| 67466
AsianBonytongue|-----| 0
Reedfish       |CATTTTGGCTGAGAACTGTGTTTTGAGTTACAACCCAGGTCAACATATTACTGTTGATGGGCTCCTGTTTCCATCCAAGG| 25327
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |67530|67540|67550|67560|67570|67580|67590|67600|
                |-----|
Human           |TAATCAGATGACTTCAGCAAATAATATTGGTGGGATTAACCTCCTGCTCAGTCTTCCAGTAACAGTACTTGTTCAAAAAT| 67546
AsianBonytongue|-----| 0
Reedfish       |TCAGTTGCTCTTCTTGCAATCTCAACCAAGCCTGACAAATGTGGCATAAAGTTTTGAGTTGCGGCAGATTTGGAGACAA| 25407
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority -----
                |-----|
                |67610|67620|67630|67640|67650|67660|67670|67680|
                |-----|
Human           |GAAATAATTGATAGAGTATTTATTTCAAAAATTTTAAAGAACACAAATATAAGGTGATACTCTTTTGCTAAAATTTGTGG| 67626
AsianBonytongue|-----| 0
Reedfish       |AGTACATGTGCAATGCCACACCTCACTTAGGAACAGATCCCAGTTGTCCCAATTCAGTTACATGAAATCAGAGATCAGT| 25487
NorthernPike   |-----| 0
SpottedGar     |-----| 0
ParamormyropsKingsLeyae|-----| 0
    
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Majority	67690	67700	67710	67720	67730	67740	67750	67760	
Human	GGGGCTTCACTTTACCTTGTATGATTTTTATATTAGATCTAGCTACTTGACTGAATTTAATTACTTTAGAATCAGTACTA								67706
AsianBonytongue	-----								0
Reedfish	AGTGATGAG--TGAAC TTCACGCTGTTACCTTGCC TCAAGTTCAGAGAAATCATGAAAGTCTTTATGAATATCACCGA								25564
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	67770	67780	67790	67800	67810	67820	67830	67840	
Human	TAAATTTTAATTGATTTATTTTACACAGTAATTTTTAAGACTAACATTTATGTCTGGCTTTTCTGTTTCCTTTAATGCT								67786
AsianBonytongue	-----								0
Reedfish	ACTTAGCAAAATGGTTTAAAGTCAATGGGGAAGGACTAACTGAACTAGATTTGACTGGATTATAATTGTGCAATCACCTT								25644
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	67850	67860	67870	67880	67890	67900	67910	67920	
Human	AGGTATCACAGTGTCTCAGAAAATGTAATTTGTTCAAAGAAAGGAGACTGAGTGCTTTGTAATGAGTTTAAAATCTGACA								67866
AsianBonytongue	-----								0
Reedfish	CTAAATGTCCCTGAGGGCTAGGGAAATGTCTGCCAACTACACTGGACTAATTATTTGGGC AAAAAGTTGACCTGAGCCA								25724
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	67930	67940	67950	67960	67970	67980	67990	68000	
Human	TCTAAAATACATAATCACAAATGTGGCCGACTATTAGTCATTCACATATTCTGTTCAAAGAACACAGTGATCAAAAATC								67946
AsianBonytongue	-----								0
Reedfish	TGCAGCAACAGTGTGCGACCACTGCACCGCTGTGTCTCAGTGAGATCAAAGAAAAAAGAATGCTGTAAGATGAGCACAATC								25804
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	68010	68020	68030	68040	68050	68060	68070	68080	
Human	CTTCAGATTATAAATGAGACATCATTATAATGGATCATTTTATCATGTTAAGAGGTGTAGTTAATTTATTAAGGGGTAG								68026
AsianBonytongue	-----								0
Reedfish	ATATATCTCGTCAAACACTGAGCAGAAATGCCAAAATCATAGTCCGTACCTAGGTCTTTTAAAGGCAGAAAATTCAAAGTT								25884
NorthernPike	-----								0
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

Majority	68090	68100	68110	68120	68130	68140	68150	68160	
Human	ATCACTTTTAGAAAAATGCTGGAAGTAATTTTTTCATGATCATGTTATCTACATTCTAAAAATTAGGAGAGAGACTGTGT								68106
AsianBonytongue	-----								0
Reedfish	GCGTGTCAAGATTGAAACTGCTGACTCTTTTCTTTTATGAAGTTGCTCTGAAGGCTTTCCGGACTGTGCATTATCAAAA								25964
NorthernPike	-----TGTCCATCTTAGCGGGACTGTGTATTGTCCCATAGTGGCATCAA								44
SpottedGar	-----								0
ParamormyropsKingsLeyae	-----								0

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Majority	A-A-AGA---T-T-----T---AT---T-A-----T-----T-----	
	68170 68180 68190 68200 68210 68220 68230 68240	
Human	ACAAAGAGTGTTTATTTTAGAGCTTTCCTTGTATTTCAAATTGAATAACAGGCATTCTCATCATAAAGTTTTTAAAGAA	68186
AsianBonytongue	-----	0
Reedfish	AGATAGAAATGTCTTGTAAATAATGATTAATCTTTCAGTATTATTTTCATGGGGTCTCCTGTTTTTGTATTTTCAGGCTCCT	26044
NorthernPike	ATACAGAACCCTTCTTGGTCAAACATCTCTTCATTAAGATCTCCTCAGACAATCT---ACTTGC GGATGGACATGGTCA	121
SpottedGar	-----	0
ParamormyropsKingsLeyae	-----	0

Majority	-----T-T-----T---T---T-A-----A-----C-T--A---T--A	
	68250 68260 68270 68280 68290 68300 68310 68320	
Human	AGGCAAAGCAGACTTCTGTAGGAAATCATTGACGTTAAAATAGTTATAATTGTGAACAGATACAACATTTATTCATGAA	68266
AsianBonytongue	-----	0
Reedfish	TCAAGGTTTTTTTTTTTTTAAATCTCCATGTGGCTAATTATGCATATGGCATGCATCTTCTTCGCTTATAAAGATCGA	26124
NorthernPike	ATATTCATCCGTGTGTAAAGTCAGTTTTCTCCTCTCTGATCGACAAACTCAAACAACCTAATGCCATTAATGTTTTA	201
SpottedGar	-----	0
ParamormyropsKingsLeyae	-----	0

Majority	--T---CA--T-----A-----T---T---T-----T-----T-----A-----G--T-	
	68330 68340 68350 68360 68370 68380 68390 68400	
Human	GGTAAACATGTAGGTCTTATAGAATATGTTTCTCAAATTTTGCTGCACGTTGAAGTCACCAGATTCTACCCAGGCTG	68346
AsianBonytongue	-----	0
Reedfish	CCTGCACATTTGATGACAAGCAGATATAAATTTGTACTTATGCTGTATATGTTTCATAAAAAAATTTGAGAACCTGCATT	26204
NorthernPike	CTTGTGCAATGCTTTTTCATTACTTCGTCATAATATCACTATATTTAGCACATTTTCATATCTAGAAGCAAATTAAGAGTA	281
SpottedGar	-----	0
ParamormyropsKingsLeyae	-----	0

Majority	-----A-----T-----T-----C-----	
	68410 68420 68430 68440 68450 68460 68470 68480	
Human	AGAATAGTTAAAGAGTGGGTACAGGCATTCCTATGTTTTTAGGATCTCAAGATGGTTTTACTATGTAGCAAGAGTTGAG	68426
AsianBonytongue	-----	0
Reedfish	ATTTACCTAAGTCCACAGTCTGTAATGCAAATGATCAGCAATATATACGCAGGGACCGTCTTACAGTGTGGCAGT	26284
NorthernPike	CATTTGACCAGAGACAGTATTATCAATACTCCTGAAAGCAAGATCCCCCTTTGGCCCCCTCTAACCTTGATAATAATTTT	361
SpottedGar	-----	0
ParamormyropsKingsLeyae	-----	0

Majority	-----T-----T-----A---AT-----G-----G-----T-----	
	68490 68500 68510 68520 68530 68540 68550 68560	
Human	AATTACTGCTACAGAAAAGAGCTTGTAACCTAATGTCATTTAAATCTATTTTTGGTACAGTTCTCCTGGCACAATTTTAAT	68506
AsianBonytongue	-----	0
Reedfish	TTCAGCTCCGGTTGATGATGTACTGGTCTCGCAAAGTATTATGTATAGGGTGTCTCGGGGGAAAAAAGTTCCCTAATCG	26364
NorthernPike	TAATGATGGAAAAACCTGGGGATTAATTCATAAGGGATAGATAGGAAGAAGGAGCTTGCTTGTTCGATTTGCTAAGGG	441
SpottedGar	-----	0
ParamormyropsKingsLeyae	-----	0

Majority	---C-----T-----A---T---A-----A-----TG-----T-C--T	
	68570 68580 68590 68600 68610 68620 68630 68640	
Human	TAGCTGTAAACTGAATTTATAATTTCTATATGTTGTGATACATAAAATTAAGTGGAAACTTTGATTTTCTTTCTTT	68586
AsianBonytongue	-----	0
Reedfish	AGCCAAATTATCAGTAAATAATTCGACAAACAAGAGTGAACCAAATTCAAATGCAGCAAATTCGCTGCAAATGATCCTTT	26444
NorthernPike	AAGCCTTCCCAGAAATATTTGTGATGACTGACATATTACAACTGTAAAAAACAATAAAGCATGTGACAAATACAAT	521
SpottedGar	-----	0
ParamormyropsKingsLeyae	-----	0

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Majority	--T--A--T---TG---A-----T-----TT-T--ATT-AAGACA--AGATGGGATCTCATTACTTTATGAATGA								
	68650	68660	68670	68680	68690	68700	68710	68720	
Human	GTTACATTTGTATGGGTATTTCATTTGGTAATATTTATTAATTTATTATTAGAGATTTTCAGCTATTTGCTAATATAATGA								68666
AsianBonytongue	-----								0
Reedfish	GGTGAATTCGCTGATCAATACTAGTGATCAGTATTGTCCCTAAGAGAAAGTGATTGGGATATCCTTAGTCTATGACTGT								26524
NorthernPike	TCTAGATGTTTCATGTCTCAGCATGAATATGTGTATTCTAATGTCCACTCACCATATAAGGTGCAAAACCTTTAGAAAGTA								601
SpottedGar	-----ACAGAGGACGTAAGAGGGCAACTCAAACCTTGTGGAGAA								40
ParamormyropsKingsLeyae	-----								0

Majority	ATTTTATA-ACATGA-ATCTT-TTTCGACCGAGCTGACATGT-ATCAAATA-ATT-AGCATTTCATTTTTGTTG-AGTAC								
	68730	68740	68750	68760	68770	68780	68790	68800	
Human	ATCCCATACACCTGTCATCTTGGTTCAATAGCGCTGACACTTAGTTTTATCTATTTCAGTTTTTCTTTTGTGTTCTAAAGC								68746
AsianBonytongue	-----								0
Reedfish	ATTTTAGATAAAGAA-ATGTTTTGGAACAGAGCTATAATGTGAACCAATGCAGTAATCCCTCCTCCATCGGGGGGTTG								26603
NorthernPike	AATTACCAATGTGATAACTTCTGCTGTGCATACAGACTTAACAGCAATGAGGTCTCAAATATGTAATCTGCTGCAGTAC								681
SpottedGar	CCACTGTAGACATAG-ATTTCACTTCGCCAAGAAAACCGGTATGAAACAATATGAGCATATTCATGTTATGAAAGAAA								119
ParamormyropsKingsLeyae	-----								0

Majority	-GATCCTTGGTGTT-TGAGAAGTCAGAATATCTATTCTACTAAAACCTCACTTATATAAATA-TTTTTATTACACAATTATA								
	68810	68820	68830	68840	68850	68860	68870	68880	
Human	AAATCCTTGACATTGTGACATGTCTTCTCAAATATTACCATAGTATCTCTAAAATAAATTACATTTTCTTACCAAACCATA								68826
AsianBonytongue	-----								0
Reedfish	CGTTCAGAGCCACCCGCGAAATAAGAAAATCCGCGAAGTAGAAACCATATGTTTATATGGTTATTTTTATATATTTTAA								26683
NorthernPike	GAAACCTTGTGTTTAAACACATCAGACTACCTTGTCTCTATCCCTTACTAATAAAAGTATTATTTATACCAGTGTAGTC								761
SpottedGar	TGGAACATGGTGGTATCAGAAGTTGCAATGTAATTCATAAAAACGCACATAAAGGGACAACCAACAATGCACCATTATT								199
ParamormyropsKingsLeyae	-----								0

Majority	GTCTTTTTAT-ACATT--CCATTATT-ACTACGTTTACTTAT-TGATTAAGAATAAGCTTT-ATTAA--TTTTACAAA								
	68890	68900	68910	68920	68930	68940	68950	68960	
Human	ATATGATTATTACACTTACCAGAATTGACAATGATTTCTTAATGTCCTCAAATACCCAGCTTACATTAAAATTTCCCCAA								68906
AsianBonytongue	-----								0
Reedfish	GCCCTTATACTCTCCACACTATTATAAACATTTACGTTACAATATATACAGCATAAACCTTTGTATTCTCTTAGATA								26763
NorthernPike	TGCAGGATGTCACCTTAGCTGTATTTCCTGAGCGCTGCTTGACTGATAAACGGTGGTGATTGGTGAGCGTTTGACAAT								841
SpottedGar	GTTTTTGTGTGATG--GCTTTGTTCAATACCTTGTAAGACTTAGAATGAGAAATACATTTTAAAAAAGTACATTAAAG								277
ParamormyropsKingsLeyae	-----								0

Majority	TTATTTTTCTTCATTT-ATCTGTGTGTTTAAATCAG-TCATGTTACCATGGCAGGCCGAGATACT-TATTGGTGTTAG								
	68970	68980	68990	69000	69010	69020	69030	69040	
Human	TTATTTTGAATAATGCTTTTAAAGTTTGATTTGTTTCAACAAGGTCCTATGGAGGGCCGCACATAGTATTTGGTTGTTAC								68986
AsianBonytongue	-----								0
Reedfish	TTAGGTAAGATTTCATTGAAATTATGTATGTAACACAGTTTACATACAGTAAACCTAAATATTTTAAAGATATCGA								26843
NorthernPike	TTGCTTATCCCTTCTGCTCAGAGAGCTCTCATCAGCTAATTTCAACATGGCAGGCCGCGGAAGCACAAGTGTGTTG								921
SpottedGar	TGTTCTTCTTCAATACATCTATCTCTCGTAGTTTGTCTCTGTTGCTATGCTTCTTACAGATACAGAATTAGATTGAG								357
ParamormyropsKingsLeyae	-----								0

Majority	GGGTCATT-ATATTTTATTTACTGTA-AAGTCCTTTCAGTCA-TCAATTAGCAATAACTATTTCCTATG-ACGTGAAGTT								
	69050	69060	69070	69080	69090	69100	69110	69120	
Human	ATCTCATTAGTCTGTTTCAGTCTGTAATAGTCTCTCCCTCTCTACTCCCAATCTCTCATTTCATTACTTATGAAGTG								69066
AsianBonytongue	-----								0
Reedfish	GCGTCTCCGATATCACATATGTTACAGCCATTACGACAGACAGGCCACCAGCAATAAATACATACAATGCAAGAAAAATT								26923
NorthernPike	GGGAAATGTCATTTTAAATTAATCCAGGTCCTTTCAGATAAGCAGTTAGGCATTAATTTACCTAGG-GCGTGAAGTT								1000
SpottedGar	GGGGCATTCAAATTTCAATTTACTGTATAAATCCTTTATATCCTTTAATATACAAAAACACATTTCTAGATACTAACCTGG								437
ParamormyropsKingsLeyae	-----								0

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Majority	GTGTATCGTTA-AGATG-TTACCGTGATTCTATTAA-A-TACTTTTTTT-AAAAC TTTAATGCTATATTGATGCTTATTC	
	69130 69140 69150 69160 69170 69180 69190 69200	
Human	ATGTTTCCTTTTAGAAAGTTTCACAGATTAGACTAGTCTGGCTGTTTCTTTAGAGTGCATGTTAACTTGTTCCTCTATC	69146
AsianBonytongue	-----	0
Reedfish	GTATACAGTAAAATGTGTGTACAGTGACACTAACTATGTACATGTAATAAGTACTGTACGTAATAATTATGGTTACTC	27003
NorthernPike	GTATAGAGCCAGAGTAGCATGACGTATGTCTATCAAGACAAATTATATGCATAAACTCTGTACTATGCCGATCCTTCTAG	1080
SpottedGar	TAGTATCTTTACTAATGATTAACATCATGATATTAACAATAGCTTATTTGCAATCATAAATGCTTTATTAATGCACATTT	517
ParamormyropsKingsLeyae	-----	0
Majority	-ACTATAATGATCTTATGAAATTTATGTTTGTACAGTTTATGTTAA--AATTACA-ATTTTAGCTTTTATAGATCTCA	
	69210 69220 69230 69240 69250 69260 69270 69280	
Human	TGCTGTGTTTCTTATATAAACTTAAAGTTAGTTCCTAAAGGCTTGATAA--GATTTAGAGCCTTTTTTTTTTTTGAAGTGT	69224
AsianBonytongue	-----	0
Reedfish	ACCAACAATGACACGACGACTTGTCCGATAACGATGAGTTTAAATTTACTGCATAACAAGGATAGCGTTACAGCTCTTC	27083
NorthernPike	CATGAAAAAGATCTTACAGAAGCTTTATGTCTGTCAAGTTTCTATAAT--ACTCCCACATTTTGACAGTGTATTACACA	1157
SpottedGar	GAGTATTAACAGCTTGTGTTAATAATGATTGTTACAGATTTATGAAACACATATTTTATGTTATAGCTTTATCAATAACA	597
ParamormyropsKingsLeyae	-----	0
Majority	TAAAGGTGCTTCTTCTGCGATTCATTAGGAGAGCT-TAATCTTT-TT-GGTCCATATTTAGTAATATTCATAAAGTTAT	
	69290 69300 69310 69320 69330 69340 69350 69360	
Human	TTCTTGTGCTTCCTATTGTGTCTCAGTAGGAGACATCTAATATCTGGTTGCCCACTTTTAGTGATTTTAAATGATGCTTT	69304
AsianBonytongue	-----	0
Reedfish	TAAAGGAGCCTTTCAGGCGACTGTTTAGCACCGCGTGTCTTCTTCCATCACTCTCAATCCAAATCCCTAAAGCAG	27163
NorthernPike	TATGGTTAGTTGTGAATAGACTACATGCCGATGGATAAATCCATTTTAGGTAATAGTTAGCAATAGACAAACATTTAA	1237
SpottedGar	GAAAGATAATCATGCTTGTCTATGCATTTATGGAGCTTTAAACTTCAGTGTGTACTTAAATAAAGCATAACATAGAGTCAT	677
ParamormyropsKingsLeyae	-----	0
Majority	ATTACAGATTGTATATT-TCTTTTTGCCTCTT-GAATGTTTCGTTTCTTT-CCTTGTGTGAATTGATTGCAGATCTA-AT	
	69370 69380 69390 69400 69410 69420 69430 69440	
Human	AAGACTGATTGTGGATTGGGTGTTGACATTCTGATCCTTTCGTTACTTTTTTTTCTACTAATGATTTTAGTATCCA-AT	69383
AsianBonytongue	-----	0
Reedfish	ATTCCATCCATACTACTGCCTTATCACGTCCACTTGCAACTCGTTTTGCGCCTGGTTAAAGGAAACTGCAGCCGTAGAT	27243
NorthernPike	GTTACAGGGCAGATTTTCTCTTTTTGAATCTTGGGATGAACCCAGTCTTCAGAAGAGTGCACACTGATTGGACAGCCCTTT	1317
SpottedGar	ATTAATAAATGTAGCTGATTATTTTACCTATTACAATGTTTTAAAAATGTGCCTTGTGGAATTTGATTCCAGATCTA-AT	756
ParamormyropsKingsLeyae	-----	0
Majority	TTTA-ATGCTTCATTAATTAGTTACATAAAAAGCTTGAAGGTCTTGTTTTT-TTCTCAT-GTGACCTTACTT-TTATATA	
	69450 69460 69470 69480 69490 69500 69510 69520	
Human	AATGGTTGCTGCCTTAATTAATTTCACTAGTGGGTTGCAAATATTGCTTTTTTCTCCCTAATTCACATATTCCTTCTCTA	69463
AsianBonytongue	-----	0
Reedfish	CTTACATGCTTTTCTCCTTTTTTAAATAAAAAGAATCGTGGACTCATTATGCTGTAATGGTGTCTGCAGTGGTGTAGC	27323
NorthernPike	TTTTTCTGGATCACTGATTGGCCAACCTCATCCTCCTGAGGAGTATGACATCACTGTATGACACCATACTTTTTAAATA	1397
SpottedGar	TAAAAATAAATGATTAAAAAGTTGCATAGAAACCTTAAAAGTCAAATAACCTGCACATCTAGAAATAACTGAATATGGT	836
ParamormyropsKingsLeyae	-----	0
Majority	GTTTTATTAGCTTAAACA-TTCAAACGTTGTACTTTTTTTGCTCT-CTTTAAATATCCA-TT-GTGCT-----	
	69530 69540 69550 69560 69570 69580 69590 69600	
Human	CATTAATTAGCTGAAAACTTTTATAAAGTAGAATTTTCTTTCATCAACTAGAAATTATCAACCTTGTAATTCATTTGTGC	69543
AsianBonytongue	-----	0
Reedfish	CGTTTCCTTCTTCAACATATCCAAAAC TTTTACCTTTTCTGCAATCATTGAACTTCTGTTGGCGCTTGGGCAGGTTA	27403
NorthernPike	GTCTATTTGATTAAAAAATAAATCCATGAAATATCTGAGATCCTTCAGAAATGTCCCATACATGC-----	1465
SpottedGar	GTGTTACTAGCGTATACAGTACTGTACGGTATTTACTACTATTCCTCTGCCTTTAATAAAAAATTTAAAAC TGAATCTTAGA	916
ParamormyropsKingsLeyae	-----	0

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Majority	-----GAATAGGTGAGTTTTTACAT----GTGAAATTTGTA-TTCGTGACTTAGCATTGTGTTTACCACCCAGTA-TTTAA	
	69610 69620 69630 69640 69650 69660 69670 69680	
Human	AGGACAATTAGTTAAATTTCTTGCATTTGTTTGCTAATTTTAAGTTGGTGCCAGCTTTTGTGTTTTCAGGTAAGTACTTAAA	69623
AsianBonytongue	-----	0
Reedfish	ATGCTGAATGAGTGAGATTACACTTCCTGGTTAATGCAGCACTCCGTCAATGAGCCAATCAGCAGCACACAGGAACTTAA	27483
NorthernPike	-----AAAAAGCTTAGTTCTCACAT----GTGAAATGCATAGATGGGGACCTAATATGTATTTAAATTCACTAATATATG	1536
SpottedGar	GCCTGGTGAATGTGCTGGTGTACCT---GTGGAATTTGCTTTGCCTGCTTTGGGATTTGAAAGCCACCTGTGGTTTCT	992
ParamormyropsKingsLeyae	-----	0
Majority	C-GGGT--TTTGCACGGGTAGAGTATAGGCCTTTTCGCATTTACTGTGTTT-TTTTTAGTTACAGTGAGTC-CTTGTGTGG	
	69690 69700 69710 69720 69730 69740 69750 69760	
Human	CCAGCT--TATGAACAGGTACAGTATAGATTCTTCCACTGTCTGCTTTAAACTTTTGAAACTGTCAGTTGTTTGCAGGT	69701
AsianBonytongue	-----	0
Reedfish	CTGCGTGCTCTTATTGGGTAGCTTCTCAGCCATCCGCCAATAGCATCCCTTGTTTGAATTCAAATGCGTCCCTTGTTTGA	27563
NorthernPike	AGCAGTAACTAACAAAAATCGTATTATTGCATGTTGGATTTATATTTTTGTTTCAAGTGCATATAGTACTCTCAAAGTAG	1616
SpottedGar	TAGGCTGACTTGACGGCCACAGGAGTACTGAAGAATGAGCTGTGAGCATTGCCAGTGACAGTTTGTAAAGAAATTTGTGG	1072
ParamormyropsKingsLeyae	-----	0
Majority	TTTCA-ATTGGCGCAT-AATTGTGGAG-TGAAC TTATT-GAGACCTCTGAAATTTATTTATTTTG-GA-TAAACAGCGCTA	
	69770 69780 69790 69800 69810 69820 69830 69840	
Human	TCTGGTAGCCAGAGTGGTTTGAAATGGTGACCTTAGCCAGAAAGTATGTAATTTATTTAATTTGGCCTTGACCAGTGGCC	69781
AsianBonytongue	-----	0
Reedfish	ATTCAAATGGGCAAATCAACTGAGGAAACGCACGTACTGTAGACCGCAGACATCCGCGAACCAAGTGAATAATCCGCGATA	27643
NorthernPike	TCACCCCTTTGTGCATTAATTTAAAAC TGAATTAATTAGGATTATTTAATTTTACTAATTTTGCCACTAAACGACTCAA	1696
SpottedGar	ATTCAAGTGTACACACACATTTCTGGCGTTATTAATATCTGACACCTCTGGACATATTTATATTGAGTGTATATATAGCTA	1152
ParamormyropsKingsLeyae	-----	0
Majority	CAAAATCAAAAATGT-TACGTTTAAAATACGACATAAAGAAAATACTCAAAA-TTACAAAATTTTATCTCAGGAGATAAT	
	69850 69860 69870 69880 69890 69900 69910 69920	
Human	CAAAAAGGAAGGGGGTGGGGTGGATAAAGGACTAAACAAAATTAATTAATAATTTAGAAATTTTCTCTCAGAAGGAATT	69861
AsianBonytongue	-----	0
Reedfish	TATATTCACATATGCTTACATTTAAAATCCGCGATGGAGTGAAGCCGCGAAAGATGAAGCGCGATATAGCGAGGGATCAC	27723
NorthernPike	CAAAGTCCATAATGTCAAAGTGAATAATCAATCTACAAATTTGTTCTAAACAATTACACATTTTAAACTTAAAATAATGT	1776
SpottedGar	GAACACCAAAAAGATATTCACCTACAGAACTCAGAAAGAAGAAAAGCAAAGCATACAATTTTGAAGATAAGGCCATAAG	1232
ParamormyropsKingsLeyae	-----	0
Majority	AATGCTTATAAATGAAA--ACAG-ATATATTAGTTTATATTGATTATATACATGTTTTTAATTGGT-TTTTTTGT-GTAT	
	69930 69940 69950 69960 69970 69980 69990 70000	
Human	CATGCCATAAAAACAAAGACCAGGATACATTCGTATTTTATCGGTAATACCAATAGATTATAAATCACTTTTCTCGTAT	69941
AsianBonytongue	-----	0
Reedfish	TGTATTTGATAGTGGAAATAAAATATATATTTGTTTATCATGAGTTTATTTCATGATTTAATTTGTTTTGAGTTTGTTT	27803
NorthernPike	ATTGACATTAGAATAAAC-ACAAAACAAAGTAAGAAAATGTATTGTCCAGAGGTTGTAGATGGAAAGATTAGAAGAAC	1855
SpottedGar	AAAAC TTATAAATGATAA-GAAGCCTGTTCGAACTGAGATGGATTAGGTGCTTTTATTCCTGTGATGTTGGATGTGATAT	1311
ParamormyropsKingsLeyae	-----	0
Majority	AGATTGTGGTG-ATGCAAAAA-CT-TT-AG-TTTG-TTTTTATTTT-TTCAACTGTAATAATTTTAAAT-GC-CAGGTGTTTT	
	70010 70020 70030 70040 70050 70060 70070 70080	
Human	ACATAAATGTGAAAAAACCATCCAGGTATGCATGTTATTTATTCATTGAGAGGATATACATCTCTCAGGTGTTTT	70021
AsianBonytongue	-----	0
Reedfish	GGGTGAGTTTCTGCTGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAACACTTTCCTCATTTAATAGCATTTGAATTTT	27883
NorthernPike	ATCCAGTGGAAGATGCAAAAAGCTGTGACATCTGATGCACAGTCTGAAAGGGCACTACCTTGAGGGACAGAATGAAAT	1935
SpottedGar	TGATTTTGTGTCATGGGAAAACAGCATGAGCTTGAGTTTACAAAGTTCACCTGTATGTTCCATCTGTGCAGATGTGGC	1391
ParamormyropsKingsLeyae	-----	0

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Majority	CA-GCTGTTG-ATTGTTTCAG-GT-GCC-AACAGTTAT-CTTTATTAA-TAGAATA--ACTGTCAGGTAAGATA--TATAT	
	70090 70100 70110 70120 70130 70140 70150 70160	
Human	TTGTCGTATGTGTACTTTTGTGTAGTCTGCCTGTTTATTCTTTTGAATAGGATGATATGTACAATTAATAAAAAATCTTT	70101
AsianBonytongue	-----	0
Reedfish	CACCTGTGAAAATGATCAGGACGACAGAACACCAAAGCAATAAAATGTGGCATATGACTGTCAGATCAGTTCTGTACAG	27963
NorthernPike	CATGTTAAGTGCTTGCTCAGCAGCAAGCAAAGCTGTAGTTGATTTATTCAACAACAGCTGTATAGCATGGTAGCTTTAT	2015
SpottedGar	CAAGAAGTTGCAAGTTACACAGTTGCCAAACAATAATCCTTAAATAGCAATAATCGCAATCTAAGGAAATAGTCTTACCT	1471
ParamormyropsKingsLeyae	-----	0
Majority	T-TAAATTGTTTTATTTTGCATGCA-TTTTGTATCTTTT-AAAGTGATTTCACTTAAAAATACAATCTCCATTGG-GT	
	70170 70180 70190 70200 70210 70220 70230 70240	
Human	TGTGAAATGTGGTTTTCTTAAATACATTATTGCATTTTCATACACAGTGATGAAGGGAAAAACTACAAAGCTAGACAGATT	70181
AsianBonytongue	-----	0
Reedfish	ACTTATTTGTTTTACTTCTGCATGCAGTTAGGTTCTCTGTTTGCAGTGGTCCCTTAAAAGACTGCTCTCCATTGGTGC	28043
NorthernPike	TTCAAATAGCTGTGATTTCAAAGTGGCTACTACTAACTTGGAAAACAAATACAATTAAGAATACAAAAGCTATATTTGT	2095
SpottedGar	TACAGGTTGTTTTTAAATGCTTGCAAGTTAATTAACAATTGCATGCTGTTTAACTCTTTCATACAATCTCCTTTGG-AT	1550
ParamormyropsKingsLeyae	-----	0
Majority	A-GTGTTA-TCTTCCACTGGCTAG-TACACTATTTAAC-CTTAATGTTTTCTTTCATTTTAAATGCGTAATCATTC-ATA	
	70250 70260 70270 70280 70290 70300 70310 70320	
Human	GCAAATTAGTATTGCAGTAGTGAGGTAATAGAGCAATACCCAAATGTTTTCTTAAATATATGTAGGTGATGCCTGTGTT	70261
AsianBonytongue	-----	0
Reedfish	AGGTATTTCTCGTCCCATTGGCTCCATAAACTCTAAACCCTTGTGTTTGTGATATCTTTTTAAATTTGTAATCTTTCAAAA	28123
NorthernPike	CTCTGGTCATTTTTTACAGGCTGGTTGCATTTGTTTCATGCTTTA-GTTTGCCTCCAAGATGAACGCGCATCCATCCCTA	2174
SpottedGar	AAGTGTGATTCAAACTCAACAGCCACACTATTTAACTTGCAATACATTTGGTGATTTTTTCATGCACAGATATTTGAGC	1630
ParamormyropsKingsLeyae	-----	0
Majority	CTTTACTTTTTATGTTTGTGTTTCA-AGTTTTTTCTTACAAGGTT-T-TG-C-GAAATTAGCTATAT-TTCAA-AATTTTGT-	
	70330 70340 70350 70360 70370 70380 70390 70400	
Human	CTTTACTTTTTGTGTGTGTGAT--GTGTTTTTAAACAAGATTCATTTGAGTCTTTTAGATATAATTTAATAAATTTAGGC	70339
AsianBonytongue	-----	0
Reedfish	CACAGCTGATATGTTTCTTTCATATTTTTTCTTCCCTGGTATTATAGCACAAAGTGGCTTTATCTTTTAGAACTCCAG	28203
NorthernPike	CGTCAATTTGATGTCGACTTGAAGCTCTCTATTTATAGGAAATGTGAACGAAATTTACCATGTAGACGATGGGTGTGTT	2254
SpottedGar	CTTTCCCAATAAATGGGGCCATACTTCATTCCATCAAACTGGCAGCCTGTCAGCAATAACAAGTACAACATTTTTTTTA	1710
ParamormyropsKingsLeyae	-----	0
Majority	TATGAATGGTATTCTTATTCTAC-TACTGGCTATTTTA-TATAGTTTTTTGCATGTATTT-TT-TGAGCTTATTATGAT-	
	70410 70420 70430 70440 70450 70460 70470 70480	
Human	TGTTTCAGGTTTTTCAGTATCCTACAAGAAGAAGCTGCTTCTAAGTTTTTGGGTTTCTTGAACCAGAGCTTAGAAAGAAC	70419
AsianBonytongue	-----	0
Reedfish	TATGTGTGTCATTTTTATTATGCTCAATGAGTATCCAAGCAAAAATATTTACATGTATCACTTGTGTGCCTGTTACTTTG	28283
NorthernPike	CCAGAAAAGTATGCTCATACCATCTACTGGCTGATATGGTTATGTCGATTGCAAGTAATTGTTTTAAACGCATTATGAA-	2333
SpottedGar	TACAACATGATATCCCACTGTACGTACCTACAATTTTA-TATGGTTTTAAAACACATTAATTAATAAATCAATATAATC	1789
ParamormyropsKingsLeyae	-----	0
Majority	---AT-A-----G--ATTTTCTGTTTTTAGTAAGTCTACTTAGAT-AAATACATTTAATG-CAATGATTTAATAGAG-A	
	70490 70500 70510 70520 70530 70540 70550 70560	
Human	AAAAATATGGCATGGTATTTTCATGGTTTAGTAAGGCTACTTTTAGTTAATTATTGTGATGTAGGCCATTAAGTAGACTT	70499
AsianBonytongue	-----	0
Reedfish	CACTTCATTTGTACACAAATTTCAACTTTCTCAAGTCTGCTTAGTTAAAATACGTTTAAATCCACTTTTAGCATCTAGCC	28363
NorthernPike	---AT-----GTGATTGTGTGTTATTAACCATCTGACCTGAATGATTTGGACCCTCAGAAATGAAATAATGGTGAA	2402
SpottedGar	TTCATGAAACTAGACAATTAGCTGTTTTTTCAGTTCTCTGCAAGCTCACATACACTGAATGACTATGGTTTAAACAGCAGA	1869
ParamormyropsKingsLeyae	-----	0

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Majority	A-AGAGTAGTA-AACCCTGAGGAGAGGGGCTT-ATATATACATAT-G-TTAAATACAGAGAT-TAATGTT-TT-G-TTTC	
	70570 70580 70590 70600 70610 70620 70630 70640	
Human	TTCTAAAACGAAACCCAGAGGAGAGGGGTTTGAAGATACATATATACTGGTTTCTAAGAACTAATCTTTTGGATCAT	70579
AsianBonytongue	-----	0
Reedfish	ACAAAGTTGTCTATCATTACGACCTGGGGCCTCATGTATAAACGGTGCATACGTACAAAAATGTTGCGTAAGCCCGTTTC	28443
NorthernPike	AAAGGTTATTTCAACCCTGATAATAGATTCTTGATATATGCTTTTGGGTAAATAACGCATTTAAATGCTGTTACCTTAC	2482
SpottedGar	GGTGAGTGGAAGAAGAAAAGGAGAGGAAAGAAATAACATTGTAACGTTTTAACAGAGGGACAACCTGATTCTCTGTACTC	1949
ParamormyropsKingsLeyae	-----	0
Majority	TGGTTTTAGTAGGCCTTCTATA-AA-GTTTATTT--CC-AAAGCGATTCTGA-TAGA-T-TTGCC-CA-G-TC-GACTTT	
	70650 70660 70670 70680 70690 70700 70710 70720	
Human	TGGTATTGGTAGAAGGGATTTCGCTATGTTTTCTGCCACCATTGGATCTCTGTATAAAGTTTGGCTCCACTATCAAAATGC	70659
AsianBonytongue	-----	0
Reedfish	CACGCTCAAATCGCGATGTATAAAACCTAAACTTGGCGTAAAGCCACGCACATTTCCACGGTAGCTCCAACCCTGGCGTT	28523
NorthernPike	TGATTTTATCAGGTTTTCTAGATCGAAATAATGAATACAAAACCTGGTTTTTACTCGACTATTTCCGCTGGTTCGACTAT	2562
SpottedGar	CCGGTGGTGTACACCTCCCATAGACGGTTTTATTTTACTGCCATCGATTTCGGCGCAGGTTCCCGTCAGAGGTTCCGCTATG	2029
ParamormyropsKingsLeyae	-----	0
Majority	TTCGGCCATTTTCTTCA-ACT-TCTGCCACCATTGTAAAGGCT-GAATACTGTT--CTTAAGA-TTGTTTTTTAGATATC	
	70730 70740 70750 70760 70770 70780 70790 70800	
Human	TTAGATAGATGCCTTTGCAATAGTTGCCACCCTAGGAATAGCTCAAAAATTATTAACCTAATACTGGTTACTTAAATTC	70739
AsianBonytongue	-----	0
Reedfish	CTCCGCTCTGTTTTGCAAACCTGGCTGCACCCAGTGTCAAAGCAGTGTACTGTCCAGTGTGGTTTCCCTTTTTTAGATC	28603
NorthernPike	TTCCGCCAAGGTCTCCAGTCCCTCCATTTTAGGAGAACAGTGCAGAAATCGGTGTTGTTAAGAAGGATTTTCTGGCAATG	2642
SpottedGar	TTCGGCCATTTCCGCTCTGGTTTCCGCCACCATTTGTGCGACTTGCCTGCAGCTGGCTGAGGTGCTGTACTGTAGATCAC	2109
ParamormyropsKingsLeyae	-----	0
Majority	A-CGT-GATGTTTCGGCTCT-TCAATT-TCTG-TATTTTTTTTTTTTTTTAGTTTGTTAATGTACGCATCT-AATTGTCGTT	
	70810 70820 70830 70840 70850 70860 70870 70880	
Human	ACCTCTGTGCTTGGAGTTGTGCTTTTTTTTTTTTTTTTTTTTTTTTGGATAGAGTCTGGCTCTGTCACCCAGGCTGGAG	70819
AsianBonytongue	-----	0
Reedfish	CGCATCCCAGATGCGGCTCTATAAATACACTGAAATTAACCTGCATATTGTTTATTAGTTTAATGCATCT-GATTGTAATT	28682
NorthernPike	GACGGTATGTATTGGCCATCTTAAATAAAGAACCCGTTTTTGGCTTAAACATGAATGTGCGTGGCG-AGATGTCGTT	2721
SpottedGar	ATCGTAGAGATAGCTAATCCGGCAATGGACGGGTAAGGTGCTTTTTGGTTATGTTAATATAAACATTTTAATTGTCATA	2189
ParamormyropsKingsLeyae	-----	0
Majority	TATTAGCGAAAGCATAAT-G-TTCACTACAGGTTACGCTAA-CTGG-TATGA-CACTCT--TG-GCGTGTACTTTAGCT	
	70890 70900 70910 70920 70930 70940 70950 70960	
Human	TGCAGTGGCATGCAATCTCGGCTCACTGCAAGCTCCGCCTCCTGGGTTACGCCATTTCTCTGCCTCAGCTCCCAAGTA	70899
AsianBonytongue	-----	0
Reedfish	AACCTGTAACAATATAATGGTCCAAGAATAGTCAAATTAACCTGCATATTGTTTATTAGTTTAATGCATCT-GATTGTAATT	28762
NorthernPike	TATTAACCTGAAGAGTATCTACTTCACCTCAGATGCTAGACAGATATCTATGAACACGTTAGCTAGCGAATTACTTTAGCT	2801
SpottedGar	TCTTAGCGATCACTGCAAAGATACAGTAGAGACTAAGATAAACTGGGAATGAGAAGTCGGACGTGCGTGTCCAGTTAACA	2269
ParamormyropsKingsLeyae	-----	0
Majority	ACCGGTCTTTCTGGCTCTTTCCCCCACTTCCGGTAGATGT-GTCATTTTTGGTTTTGTAAATGTCGGGTTTTTTTTTTT-TT	
	70970 70980 70990 71000 71010 71020 71030 71040	
Human	GCTGGGACTACAGGCGCACGCCACCACGCCAGCTAATTTCTTCATATTTTTTTTAGTAGAGACGGGTTTTACTGTGTT	70979
AsianBonytongue	-----	0
Reedfish	ACACCTTCTTCTTCTTCTTCCAGTCTTCCGTTAGGGGTTGCCATAGCAGATCATCTTTTTCCATATTACTCTCACTGC	28842
NorthernPike	AGCTAACTAGCCAGCTAGCTAGCCACTTTAGCGTGGCTAAAGTGAGTTAACGCCTGGCAACATCGGGTGTACTGATAAAT	2881
SpottedGar	AACGGTCTGTGTGTTTTTTTACCCCACTGAGAAAGAAGTATTTTTCTTGGTTATCTGATGTTAGGCTTTTTTTTTTCTC	2349
ParamormyropsKingsLeyae	-----	0

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Majority	ACCAGGGATGTT-TTTATATCGTTAT-TC-TGAACG-G-TA-CTCGGCAAACCAA-TAA--ATTGTTACTAGCATT--AT	
	71050 71060 71070 71080 71090 71100 71110 71120	
Human	AGCCAGGATGGTCTTGATCTCCTGACCTCCTGATCCTCCTGCCTCGGCCTCCCAAAGTCTGGGATTACGGGCGTG--AG	71057
AsianBonytongue	-----	0
Reedfish	ACCAGTCGGAATATTTATATCGCTGTATC-TGAGTGGGGAATCACAGCTCTACAACAGATGATTGAAAAGAGAATT--AT	28919
NorthernPike	ACGAAGCAAGTTTGCTACACGGCTATTTAGTTAACTAGTTCAATAAGTAAACGAAGTACGCTTTCTAGCTAACATGTAAT	2961
SpottedGar	CTTTGGGTTATAGCGTGAATTGTAAGGGT-TGAAAGCAACAGAGTGTGAAAAATGTTAAAAATGGTTCTTTGTTTT--GT	2426
ParamormyropsKingsLeyae	-----	0
Majority	T-GACAAGTGTATCATGCTTAG-GCTTTTTT-GTAAT-ATTTT-ATTGAAATAGTCTTGTACGACTGTAGCTT-GGAT--	
	71130 71140 71150 71160 71170 71180 71190 71200	
Human	CCACCGCGCTAGCCTGCTTAGAGTTTTTTATGTAATTATTTTGTGACACAAACATTTAAAATACTGTAGCTTAGAATGA	71137
AsianBonytongue	-----	0
Reedfish	CGGAATACAGCATCAAGCACAC-GCTGCCTCAGCCATGCTGTCTATTGAACTGCTCTCATACGGCAAACACTTCAGAGCC	28998
NorthernPike	TTAGCATGTGTCTAATAGTTTCGTGACTTGTGGCTATCAAGCTAATGAATGTAGTGTGCAATCGTAGGCCGGGGTT	3041
SpottedGar	TAGAGAAATAAGCGTGTATTATGCTGCTTTCGTAGAAAGTAGCGCTGAAAAAGCCCTGGCGTCTCTTGTCTGGATAG	2506
ParamormyropsKingsLeyae	-----	0
Majority	TATTGTG-CAGTT-TAGGAGC-TATTGTTTCATGACTATGGATACTGATTT-AACCGTTTTTTTTATTGC-TCTGGTGCAC	
	71210 71220 71230 71240 71250 71260 71270 71280	
Human	AATTGTCTCAATCCTAGGAGCCAAAAGTTTGATGAATATGAATACTAATATTAACCATTTTTGTGTTCTGTGTCAGGCAC	71217
AsianBonytongue	-----	0
Reedfish	TTTTCTCGCAGTT-CAGAAACAGTTTCATCCCAAGAACTATAAACGCCTCAATCAGTCCATCAAGTCTCCTTGTAGAA	29077
NorthernPike	TGTC AAGCATGAGACTAGGGTGTGTCGCTACTTGTGCGAGGATCTTGAGTTGAATCCTTTGTTGATTGAAAATGGAGCTA	3121
SpottedGar	CACTGGGATCATT-TGTGTCTTATTATTTAAACTAAGGTTACGGATTTCTGCCGCACTTTTACAACCTCTGATGCAC	2585
ParamormyropsKingsLeyae	-----	0
Majority	-GTTCTTAGCTATAGA-AGGT-TCGTGTTA-A-CAG-TCCAATCGTCGTTATCTTTCTC-ATCTGATTGACTA-AT-T-T	
	71290 71300 71310 71320 71330 71340 71350 71360	
Human	TGTTCTTAGCCCTTTACAAGTAAGTTAATACATCATCTCTAAATGTAGTTACCATTATCGATCCCATTTTATAGATTTGG	71297
AsianBonytongue	-----	0
Reedfish	CGCTTTGACTTAAGTACAATTACCTCACTGTAACTTGCAGATGTTATAATATTGCACAACCTGAGCCACTTTATAAAG	29157
NorthernPike	GTGGCTAGCTAACGCTAGCTGTCGGGTCAAAGCCGAAACAATCAGCGCTGTCTAGCTGCAAATCTATGGCTAATTGACT	3201
SpottedGar	AATCCAAACGAATAAAGAGGCTTGGGTTCTACTTGGTCTACCTACAGTTTCTTTCTTTTCCGGTGGAGAGCATCTTT	2665
ParamormyropsKingsLeyae	-----	0
Majority	TGCGTA--GTCATATGGACG--TAGTCTAGTATTTTTTAA-TTAAATGTGGTGAAT-TTTG-ACTGTTA-ATA-GTTGT	
	71370 71380 71390 71400 71410 71420 71430 71440	
Human	AAAGTAGGGTACAAAGAACAGTTTGCCAGATTCCTTTAACTTTTGTAGTGGCCGAGCCCTAGCACTGAAAGCCAGGTAGT	71377
AsianBonytongue	-----	0
Reedfish	TGCATATTTACATATGATAA--TAATATATCATTTTTAAGATGAAATGCTGGAAAATGTTTATTATGTTATACACATAGA	29235
NorthernPike	TGCACTCCCAAATACCGCTG--TGGTCAATAATTTTAAAGCCAGTGGCCATGTTTTTGTG-ACTGTTTAGTTAGCTAG	3278
SpottedGar	CCTGTCAAGTCACGTAGACG--TATCTTTGACTTTGTAATCTAAATATGGTGTGATATAAGCGGTGCTACATGTGCTTT	2743
ParamormyropsKingsLeyae	-----	0
Majority	TTATTTTAAACTTTTA-GTTGTTATTGATAATAATTGAA-ATGAGATTACACTGTGCT-C-ATTTTAGCCTGTCGT-TG	
	71450 71460 71470 71480 71490 71500 71510 71520	
Human	CTGGTTCCAAAGTCCGTACTCCTGACTAATAAATAGTGGA-ATAAAATTAGATTAGCTTGACATTTTAGCCTGTCGTCTT	71456
AsianBonytongue	-----	0
Reedfish	TTATTTAAATGCTGTTAGCATTTTATTGTTAATAATTAACATGTGAGGACACTGTGCCACAGTCTAGCAAGGCGCTGG	29315
NorthernPike	CTAATGTAACACATTTGTGTTGGTGTGAAAATAAACGCTTGCTAGATCCTTCTGTGGTTTTATTTTACTATCTAGTAAG	3358
SpottedGar	TTTTCATACAAATTAACGTTGGTCTAATAACAATCAACCTGACATTGCAAAGACCCCGTTATTATACGCTGATGTG	2823
ParamormyropsKingsLeyae	-----	0

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Majority	CTCACCTGTTACGTAGTGTTC AAGACTAGCGCTGTAT-----GTATAGAGGACTTTTCAGTGACATAG-T-TAG-	
	71530 71540 71550 71560 71570 71580 71590 71600	
Human	CTCACCTGTAGAATAGTTATCAAGAATAGTAATATAC-----ATATAGTAAAAATTTAAGTCCCATCATTTTTCAGC	71526
AsianBonytongue	-----	0
Reedfish	CACTCCATTACGGATTGTTCTCCTCAGCTGTATTCTTGCTGGGGCTGGCAGCAGACTGGAAGGATAGATGGATAGA	29395
NorthernPike	CTAGCTTGTAGCTACGGTACAGTAATAGCAATGTAG-CTACTAGCGATGTTGCGCTGTTTACGTTTAGTTAGCTGTGTT	3437
SpottedGar	GAAATGAGTTACGCGGTATTGGAGGCCAAGGCCATAT-----GGAAACAGGCCTGTTTCAGTGCGCTGGAGCCAGG	2893
ParamormyropsKingsLeyae	-----	0

Majority	TT-CTTTTTTTT-GACTACAAAGCTATTTCTTCGTGCTAAGTA-AAACAGTTTTTGACT-GATGTGCTTATTGAAGTAAA	
	71610 71620 71630 71640 71650 71660 71670 71680	
Human	TTGCTTTTTTTTACATACTAAGATATTTTTGTTACCAAGTCCATTAAGTATTTAGCCTGATTATCTTATTGATTAAAA	71606
AsianBonytongue	-----	0
Reedfish	ATAATTAAACATGTACTAAAAAGATATTTCTGAGCGTGAAGTATAAACCGGCCCTAAGTGTAATGGACAATAAAGTTAA	29475
NorthernPike	AGCCGGTTGACTCGTCTACACTGCTGTATCTACGTGCTACATTACAACAGTTGGGGATTCGATGCACATACTGTAGTGAC	3517
SpottedGar	TTTATGCCTTTGAGAGTAGGCCCTATTGATTACAGCTGTAGAGGAGTTGTTTTTGTGCAAGTGTGCTTCTCGGAGAAAA	2973
ParamormyropsKingsLeyae	-----	0

Majority	TT-CATAACTGTA-ATTTTGCATGCTATGTATACA-TTGGGATCCTATCTGAGTTTATATACAACCTCGTTTTATG-TAGTC	
	71690 71700 71710 71720 71730 71740 71750 71760	
Human	TACCAAAAATGTGTATTGTTTCATGCATTGATTCAAATTTGGGTACAAAACGGGTAGATATGTAACATGCAAATAATAAAT	71686
AsianBonytongue	-----	0
Reedfish	TTACTTAACCACAGTTATTGTGACAGATGTAATACCAGAAATATGTCTTTGTTTAAATTACAAATGTTTTGAGTTGGGA	29555
NorthernPike	TTTAAATAACGTTACTTTTGTAGCTGGGTATACAGTCAGGAGCTAAGTGGAGTTGAGGAACCATTTCGTGTATGCATCTC	3597
SpottedGar	GTGGATCTCTGTACATAATACATTTTAAAGATGCTTTTGTAGTGCCTTCTGAGGTTGTATCCAGCGCCATTTAAGCAGTC	3053
ParamormyropsKingsLeyae	-----	0

Majority	GTAACCTATTAAATCTTTTTTCTCTATCAACTTTTCTAAAATTAAGT-AT-ATTAGGTTATAATTAT-CTTTAATATT	
	71770 71780 71790 71800 71810 71820 71830 71840	
Human	TGAACTTATATTTTTATCTTTTTGACAAAACAACCGTTAAAATTTATGTCAATCTTATTTTTTCAAATCCTTTTCTATA	71766
AsianBonytongue	-----	0
Reedfish	GTAACAATTAATCTTTTTAACTATATCAATATTTCTTTTATTAAGTTATGTAGAGATAATGAATAAAATTTAATTCT	29635
NorthernPike	CGACGTCACCTGCGAATTTTATAACCAATAGAATTTGCCAAAATGTGTAGATAATTAAGTTATATTTGGTCTGAAATGTT	3677
SpottedGar	GTGACGCTCATAAACCTCTCCCTCTGTAATTGCTAGGCTGCGGTGAAGAACAACAAAGGATGTAATTTTTGTAGCAAATA	3133
ParamormyropsKingsLeyae	-----	0

Majority	TTTGATTA--AAACTAACTCAAGCTG-TTCT-GTCACTGCATTGTA-GAGCCTTTTGAGTTAATATTGACTGATTTTAAA	
	71850 71860 71870 71880 71890 71900 71910 71920	
Human	TTTTATTA--AGACTAATTATAGCAAATAATAGCCATAAAATTAACCAAAAAACTCATCTACTGCAGACATATTTGAAA	71844
AsianBonytongue	-----ATTGTA-GGGCCTGTCAAGTCAAGATTGAATGGTCATGAC	39
Reedfish	TTTGAGTTATAAACTTCATTAACCTGCCACTTATTGCAGATTGTTATAAGACTTTGAAATATATAATGGGTGATTTGAAA	29715
NorthernPike	TTTATTTAA-CAAGAATCACATGTTTGTGACGTCAGTCTTCGCGCGCACTCATCGCGGTGTACCCAGATACTCATGCT	3756
SpottedGar	ACTGCCCGTTAACAACCAACAGAGGCTCTCAGACAACACTACATTGTA-GTGCCGTTTGTATAACATTGACCAAATTCAAA	3212
ParamormyropsKingsLeyae	-----	0

Majority	TATTTTAGGTGTTTAAAGCTTCAAGTGGGCATATACTC--TGTATGCTGGA---TTGCAGTATTAT--ATAATGCATTGA	
	71930 71940 71950 71960 71970 71980 71990 72000	
Human	GCTGTCCCCCAAGAAAGACCAAGTAATCACACATACCTAAACATGCTAGTATTTCCAGAAATATTAATAATACATAGA	71924
AsianBonytongue	AAATATAGCCCCCCCCACCCCAAGTGGGCTTATACCTT--AGTATTAGGA---TGACAAAGAAAT---CAATGTGTTCA	111
Reedfish	TGTTTTAAGTCTTTAACCTTAAAGAGAGATTCTACCTCC-TGTGTACTAAA---ATGTACGATTTTTAAAAATGTAAAAA	29791
NorthernPike	TTATATCGTGTACAGAATTGGTTTTGCTAATGACATTAATAATTGTTTCTTTTTTCAGTATTGGAGATGTTGCAGTTG	3836
SpottedGar	CAGGGCGGTTGCTTAAAGTTACAC-TGGCCAGATGTGTC--TCTAAACTGAG---TTGTAATGGA----TGATGCTTTGT	3281
ParamormyropsKingsLeyae	-----	0

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Majority	TTTTTCAGGAAAGTTCTGGTTTTTAGAGTCA--GAGGACCCTTG--TATTGAGTACTGAATTGTAAAGTTATGTTTCTTT								
	72010	72020	72030	72040	72050	72060	72070	72080	
Human	TTTTGAAGCACATTGCTGAATGCCATAGTAA--CACCAAATAA--AAAATACATGTAAATTAATAATTTTATT								72000
AsianBonytongue	AGTTTCCACAGAGCTCAAGATTTTAAATTC--GAATCCCCTT---TAATAA--ACTGACTAGAAACCTTAAAGTCTGT								184
Reedfish	TATATGTTGCATGTTTCATGTTTCAGAACCA--AATGAACATGGA-TATAGATAACAGAACGGCAAAGTAACGTAGATCA								29868
NorthernPike	GCGTAAAGGTAAGGATTGGTCCATAGCCAAATCCAGGACAAGTAAATGTTGTGACTTGTTTTTAAAGTGTGATGATTT								3916
SpottedGar	TTTCTCAGGATAAAGCAGGTTGGTCGCGTGG--GAGGGTCTTTGTTTGCTGGGTACCATACAGTAACACTGACTTCTCC								3359
ParamormyropsKingsLeyae	-----								0

Majority	TTTTATATAGATGTGTAGTAATCAGTGTGACTGCATATGGTAATAAA-GTTCTGATTATGATTGGTTGTACACGTG---T								
	72090	72100	72110	72120	72130	72140	72150	72160	
Human	TTCAACATAAATCAGAAATACTTGGTTAGAGGTCACATGATAATACCTGTCCCTAACTGTCCATAACTTCGGCTTTCTCA								72080
AsianBonytongue	TTTGGTAGAGAAGTTTTGAAATCTGAGTGAATGCTTTTGGCACTGAA-GGTTTGATTCTCACAAGGTGAACAC-----T								257
Reedfish	TTGAAAGTATAAATCTAGGAAACAGTACAGCTTTAAAGGTTAATTTA-GTCCAGTGAACGTTGATCAGAACCTGTCCCTT								29947
NorthernPike	TTTTCTAAAGTTCAGTAGTAATGCTTGTGACTGCTTATTGTTGGAAAAAGTACTGACATGATTGATTGGATATCTG---A								3993
SpottedGar	TTTTTCTGTGTTGTAGCATTGTCACTGATGTTGCAGTTGGCGTAAAG-GTAAGGATTATTGTTGGTTATAAACGTGTGAT								3438
ParamormyropsKingsLeyae	-----								0

Majority	TTTAATGTTTTTCAATTACTGTGAGGTAGC-TTATTTTTTTGTGGATGCCTATGTGTATATGCAAGTGTCTGCTATGCCG								
	72170	72180	72190	72200	72210	72220	72230	72240	
Human	TTTCATGTGTTTTAATATCTAAGAAGTAA--AAAATAGTTGGAGCATGCCTCTTTATATGTGCAATTTTAAATTATGTTG								72158
AsianBonytongue	TTCAGCGTTTTACAATGGTTGGAATGCAGCCTTACAATCTGAAGGTTGCCAGTGTGAATATCACTCTTGTCTGCAGTACC								337
Reedfish	TTTAATGCCA--TAGTCAGAAGAGGAGAGCAGAAATCTTGTGTGGAAGGACATCTCTCAAAGAGGATTCAATGTATGGTT								30025
NorthernPike	AATGGGATTGTTCAAATACTGTGTGCTGA--TTGTTTGAAGGCACAACATATGTGGAGTGCCTAGACAGTGTCTAGCCG								4071
SpottedGar	TTTAATGTTT-ACACTTCTGTGCCAGGCCTTTATTTTCATGTGAGTGCTCATCTTCACAAAGAAGTGGCTCAAATAACC								3517
ParamormyropsKingsLeyae	-----								0

Majority	TGGTCTTTAGGTAATTTACCAAACCTGACGTAGCA--TAGAAAATGGTTAATGTGTAATTTGTTAAAT-CTATATTAT								
	72250	72260	72270	72280	72290	72300	72310	72320	
Human	ACTTCTTTGGATTATTGAACTGTCTCTGCTTTGCTA-TAGCTGAATTTTTAAATGTTAATTTTGAAGTCTTAAATGT								72237
AsianBonytongue	TTGATT--AAGGCATTTACCATGAACTAACGCAGTA----AAAATACTCTACTGTATAAATGGGTAAAT-CAGTATTAG								409
Reedfish	GGCCATTGACATAGATGACAGAAGCCTGAAGTGGCAGGCAGTATAGAAGTTAGTTGTCGGTCACTTGAAGTATATTTTTT								30105
NorthernPike	TAGTATATTGGAAATATATCACAACCCGAGATCGTGCTTATAAACCCGGTTACAACCGTAATCAGAGCAGTACAACGTCAT								4151
SpottedGar	TGCACCCCATGAAGACAAAAAAACTCTCACAACAT-TAGAAAAGTGGTTGAGGCATCACTTGTCTAATGCTTTCTCT								3596
ParamormyropsKingsLeyae	-----								0

Majority	GTGCAT-TGTACCCAAAATTGAAAGT-G-GACATAGTTAGAGCTTTTAAATGTTAATTTTTTATGATTATAT-GAATTGT								
	72330	72340	72350	72360	72370	72380	72390	72400	
Human	GTCFTT-TGGAAAAACATTGGAAGAGCTAAAGTAGATAGAGTTGTTTCATTTAAATGTTTATTTTTTATTTTATTTTAT								72316
AsianBonytongue	ATGCAT---TACCTTAATATGCTAGT---GAAACAATTATAACTATTAACATT---TTTTTTAACTTA---GGAAATG								476
Reedfish	ATGGATATTTAAACATAAGAAAAAGTCGGGACACAGTGGGTGCCTAGAATGTTGACTTTTCAAGGAGAATCTTGAGCTAA								30185
NorthernPike	GTGATGTCATACCCATGGTATACAGT-ATTACATACCACGACTGTCAGCCAATCATCATTAAGGATTACATACCACCTGGT								4230
SpottedGar	GTTTCATCTGTAGGCTAAATGTAATTTG-GATGTGGAAGGACTGCTTATGTTAGTTATTTTATGAGTTGTAT-GAACAGG								3674
ParamormyropsKingsLeyae	-----								0

Majority	TTATTTGGGTAGGTACTG--TTGATGATGTGTTGATTTG----TTGTGGTTTTGTCTTTGAATACAAA--GGTTTAAAGC								
	72410	72420	72430	72440	72450	72460	72470	72480	
Human	TTTTTTTAGTTGGAGTACTGGCTCTGTTGCCGCTGG-AGTGCACTGGCGGGATCTCTGCTCACTGCA-AGCTCCGCC								72394
AsianBonytongue	TCAGCCATCTAGGGGCTG--TTGATAATGTTGATTAG-----AGCTATTGCCTTTGGACACAAA--GGTTCAAGG								544
Reedfish	TTAATTCGGACTGGAAGAAATCAAGAAGTGTTTAATAA----TTGAGATTGAGACTTGAATAATAACTGATGTAAC								30260
NorthernPike	TTATGAGACCATATACCA---TGGGTATGATCTCACATACTTTTTTGTGTTATAGTTGTTGGTAAACATGTTTATTATATC								4307
SpottedGar	ACAGGTGGATAGGTAATGAATTCAGGTTGAGTTGGTTTGTAAAGTTTGGGTTATGTCGTAGAGTACAAA--GACATAACC								3752
ParamormyropsKingsLeyae	-----GCCCTGCAATTAAC--TGCTTAGGC								24

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Majority	--TTAAATCTTCACCATT-TGCAGCTTCAGTATGCTT-ATATGTTGTAGTTATTTTTGTTAGCTGCTCAACTGTGCTAAT	
	72490 72500 72510 72520 72530 72540 72550 72560	
Human	TCCTGGGTTACGCCATTCTGCCGCTCAGCCTCCTG-AGTAGCTGGGCTACAGGTGCCCTCCACCACACTGGCTAAT	72473
AsianBonytongue	--TTCAAACCTCCCCAA----CAGCTATAGTATGTTT-AAATGAGGTACTTATCCCTAAAAAGTCTCAGCTGTGCAAAAT	617
Reedfish	AATGGAAGAATGGTCATTCTCTAACACCTTCACACTTCATAAGCTATACTAATTTATTTTGAGAAAAAGTAATGCCACATT	30340
NorthernPike	A-GTAAGGCTTCATGGTT---CCGTGCATGTATTATTTGAATGTTATGAATAATAATAGGTACTGACTCA---ATGCCAAT	4380
SpottedGar	--TTAAATCATCACAGATGTGCACTTAAAATAAGCTT-ATAAAAAGCAGACTTTTGTTCAGATG--TAACTCTCTACT	3827
ParamormyropsKingsLeyae	-TTAACTTTACAAGAA---AAAGCATGAATGCGGTT-GTGTGTTTATAGTATGTTTGTACCCG-----ATATTAAT	91
Majority	AATTTTGGTTA--TTAATACT-GCCAGTTGTCTT---GGAAGTTAGGTTAATTTCAATAACTCATTCTAC----CAGTTA	
	72570 72580 72590 72600 72610 72620 72630 72640	
Human	TTTTTTTGTAGTTTTAGTAGAGACAGGCTTTCACCGTGTAGCCAGGATGGTCTCAATCTCCTGACCTCGTGATCCGCC	72553
AsianBonytongue	AATGTAGGTAGATTAACT-GCAAGTTGCTTT---GGAGAAGAGGGTCATCAAACAATAAATGTAA-----GTTA	687
Reedfish	CATCCTGCCCT--CCAAATCTGCCCTTTGTAAC---TACCACTGGACTACTTCTCTGAGCCATTCTATG--CCAGTCA	30413
NorthernPike	T-TCAAGGAGATAGCATTAAATTTCTCTGCCTT-GTGGAAAGTTAGCTGAATCCAACAATTCAGCATTTCTGATCAACTC	4458
SpottedGar	A-TTTTGGTTT--TCACTACT-CACAGTTGTCT----GAGGTGATTTAATTGAAGTGCCCTCGGCTTC-----TTG	3890
ParamormyropsKingsLeyae	AAACTACATA--TTAAAC--GCCAACTCTTTA---TTCACTCAAATAAACAGAGCAAATCATTCTAC----CAGCGA	160
Majority	CACT----TAGGCTATTTAGGTGTGTAATAAGAATTTCAAGT--TGCCCTTGAATAGC-GTATAACAAGTTTTTCGGTA	
	72650 72660 72670 72680 72690 72700 72710 72720	
Human	ACCT----TGGTCTCCCAAAGTCTGGGATTACAGTCATGAGC--CAC-CGTGCCCTGGCCTCATTAAAAATTTTTAACA	72626
AsianBonytongue	CAGT----AAAGAATTTTAGATGAGTAAGTGGTGACTCCAAC--TGCCCTGAGGTGT-GTGTACAAGGGGTGCGGTG	760
Reedfish	AAGT----GTAAATAGTAAAGTGGTTGCACAAGCAAGACAAAA--TATTTACTTTAGTGAATGTAATTTTTTTATTTA	30487
NorthernPike	CCCTCTTATAGGCACACTTGCTATGCTGACAAATGCTTTAAAAATCTATATTTAAATCTTTGAAAAAGGGATTTAGATT	4538
SpottedGar	TGCT----TAGTATATCTAGG-ATGTCACTTTCAATTTAAAG---GCCCATGAAGAACAGTAGACAACATTTTTTCGGTG	3961
ParamormyropsKingsLeyae	CACC---GCCGCCATTAGC---GCAAATAAGAAACGCGTTT--TGACCTGTATCAC---CAGCAAGCCGGTTCAGCA	228
Majority	ATACAATGAATTTTTGAA--T-----TTGGGTCCT---TTTAAATAGGTTTGGATTACCACTTCGT--A----TGATTTA	
	72730 72740 72750 72760 72770 72780 72790 72800	
Human	CTGGGTAAAATTTTTATT--T-----TTGAGTCAC-----AAATTAATTTGAAGCTGTGTCTTTTAGAG----AGCTTA	72689
AsianBonytongue	ACACAGTGGGT---TGGA-----CCGGTCTGCTCTCCGGTGGGTCTGGGGTTCGAGTCCA-----ACTTG	819
Reedfish	AAAAATCAAGTTTATCAGCAGTCAA-TGGGGTGAT-CGCCCCAAAATATTTTCGATCACCCTTTGTATATCACTATTTAA	30565
NorthernPike	GCACAATGAATACCCTATGTTT---TTCAGTGCT---TGTTGTTAAGCTTGGACAGAAATTGAGTGAAC---TGAATGA	4608
SpottedGar	-TACAATGAATATTTGAAATCAAAGTTTACGTTTTTTATTTTAAAAGTCCCTCTAAAACAACCTCAT-----ATTTA	4031
ParamormyropsKingsLeyae	ATAAAAAAAAA-TGTGGA-----CTCGGTCCT---TTAAGCGCTTTGATTTATCGCCCCGC-----TGCTTCG	288
Majority	GGTTGTCTTGAGAGCGATTGTCATTCTGTCTTACTGTGTCTGTTTTTCTTCGT----GAAAGCTTTTTGACATCTTAG	
	72810 72820 72830 72840 72850 72860 72870 72880	
Human	TTCAACTCTTAATCCATTATAAATAATATTTGAATGAATGTGTTTACATCTG----GAATGATTTTTATCATCTGAG	72764
AsianBonytongue	GGGTGCCCTTGCAGCGACTGGCGTCCAGTCCCTGGGTGTGTCCCTCCCTCG-----AGCCTTGTGCCCTCT--G	888
Reedfish	AATTGTAATAAGGGCAATTAATAATATGTCTATATTGACTTTAATTTTATTTAT----TTTCTTTTTTAAACATCTTAG	30640
NorthernPike	TGGCATATAGGAAATGACTGGCACTTTG-CCTGACCATGTCTGCTATTCTTTGTTTAAAGAGAGATGAGTGACACCAGTG	4687
SpottedGar	GCTGGTCCCAACAAAATAGTAATTCTGTCTTACTGTTTCTTACTCTTATCGC----CAAAGCATTACAAAACG--A	4104
ParamormyropsKingsLeyae	CATTGAGTCCACAGAGCCGGTCTTCTGCACAAACAGCAGTCTGTCTATCCGGA----GCCAGCATCTGTCAACGTGA	363
Majority	CGGGCGGA---TGTTGGACTGCGGTTTCGT-CCTTCGGTGAATTTGGGACTACCGGTGGAGAAGAAGTG---TTAGTGAG	
	72890 72900 72910 72920 72930 72940 72950 72960	
Human	TAAAGGAAATATGTTTGTAGTGGTGGAACTTTGAAGGTATTACGGGCTACAGATGAGAAAAAATG---TTACTACG	72841
AsianBonytongue	CTGCCG-----GTTAGGCTCCGGTCT---CCCAGCACCCTGATGGGACAAGCGGTTCA---GAAATG---TATGTAAT	954
Reedfish	CGAGCTCA---AGCAGTGTGCAAGCCGTGTGCTGTGCAAGCAGCAAGCACCCTATATCAGGAGCA---GCCGTGAG	30714
NorthernPike	GTGAAGCATGGTGTCTTTCTGTTTGT-CCATCAGTGAATTTATCAAATTTGGTGGAGAAGGGTTGGCTTAACTGAA	4766
SpottedGar	TGGTTG-----GTCGTACACTGTTTC---TGTTAAATCAATTTAAGTTTGTCTGCTGGAA--GAGGTG---TTAGTGGG	4171
ParamormyropsKingsLeyae	CGGGCGGAG--AGCAAGACTGAGGATGGCGTGGGGCTGTGAGAGACGGGCGGGGGTACAGTG---TCCGTGGT	438

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Majority	TC--TCTGTGATGACA-CCTACCCAGTGCCTTCGT---GTATATGCTTATTGCTTTAGT---ATTCTGGTGT-CTACACTA	
	72970 72980 72990 73000 73010 73020 73030 73040	
Human	TCATTTTCATGTTTACATACTGACCAGCATTTTCAATGAAATAAGCTTATTACTATAGG---ACTATAAAATGTTTTTCAA	72918
AsianBonytongue	TA---CTACAATGATC-CCCACAGGGAAATTCA----GTAAATG--TGATGCTGCATT---GCCCAGGCAT-CAAACCTG	1020
Reedfish	TGAATGTGCAATAACA-CCTGCCCAGAGCCCCGTCTGAGAATAATTATTGACAACAT---GTTCTACCCCTGTTACATTA	30790
NorthernPike	GCCATTCTTGAGTAAAAATGCATACAGTGCCTTCTGTATTCTGACCCCATTCGCTTTATCCTGATTTTGTGTCTTAGACTT	4846
SpottedGar	GC---CAGCAGGGGGCGCTCACCTGTGGTCCAC---GTGGGTCC-TAATGCCCCAGT---ATAGTGATGG-GGACACTA	4240
ParamormyropsKingsLeyae	G---CGTGGTGACACACTACTCCACACCCCGA---AAAGAAAAATAATCCCTTGGT---ATCCTCGTGC-CTAAACTG	507
Majority	GGCTT---CTTTCAAG-GCAGTT-TTTATAAGGATTTTATCATTATATGCTTAGTGCTCTG-TGGTCTT---TAAAAATT	
	73050 73060 73070 73080 73090 73100 73110 73120	
Human	AGGTTTAACTGTCCAGGGCAGATACTTAAGACTATCTGATCATCCATTAATAAACTTTTTCACATAGTCTTGCTTAAATGGA	72998
AsianBonytongue	GGCCT---CTTACAGG-GCAGGC-----AAGAAATTTTACCACCTGAAGCAGCAGTGCACAGGTATACAT---AAAAAAAT	1087
Reedfish	GATGT---CCTTCAAC---AGGTAAATTTATAGTTTTTATATTTATGCTTTGTGGATG--TGATTTT---CAGTATTT	30859
NorthernPike	AATCT--GTACTTGAATACATTT-TGTATAAGGTTTTCTTCCCTTCAGTTTTTTTGTCTGTTCAGCCT-----TCCCTC	4918
SpottedGar	TACTG---TAAACAGGTGCCGCTCCTCGGATGAGCCGTAACCAGGCTCCTGACTCTCTG-TGGTCAT---TAAAAA-T	4312
ParamormyropsKingsLeyae	GCAT---CGCACAAA--TAGA-----AGGGAACCTCAAATTTATGCGACAGTGCCT--T--TC-----AGGGAAG	564
Majority	TTTATGTGTTTATCTA--AAATTGTTGTCGTGTAGCTTTATCATTAAATTTTATTTTTTCTTTCACACTTACTTATTAT	
	73130 73140 73150 73160 73170 73180 73190 73200	
Human	TCCATTATGTTTACCCATTATATTGTTCTCAGCTGTAGTT-TTAAGAAATTTATTTTCATTTGTTAATACTTACTTTCCAT	73077
AsianBonytongue	GTTATTGCATGCAAGTA--AATTTACTGACATGTACATTCATCAATTTAGCTGATGCTTTTCTTCAAATAACTTACAAT	1165
Reedfish	TTGTTTCTAGGTATTG--TTGGTGGTGT-GGGTGTTTTTTAATTTAAGACCTTTTTTTTTCATCTCAAAGAT--ATTTT	30934
NorthernPike	CCTGATTGGTCTCCCCAG-TCCCTGTGCGGAGAAGCATCCCCATAGAATGATGCACTCACCATCATGCTTCACCATAGG	4997
SpottedGar	CCCAGGGCGTTTCTCGA--AAAGAGTAAGGGTGTAAACCCAGCATCCTGGCCAAATTTCCCATTTGGCCCTTACCAATCAT	4390
ParamormyropsKingsLeyae	TTAATAAGTTTGATGG--AAACAAACAG-GTGTGACGTTAACATTAATTTGACTTAAATGTTACAGTGTAC--AGTAT	639
Majority	TACCTTCTGGTAATCTCTGTTAACCCATTGGTTCTGTAAGTC-ACTCTCTTTTTCATTTTAACTGAAGTTTCTTGAGCC	
	73210 73220 73230 73240 73250 73260 73270 73280	
Human	TACCTTCCCCTTTTCTGTGACAATCCGTTGATACTTGAAGACCTCTCTGTATTTCATCTTAGGGTTAATAATTTTAAAGGC	73157
AsianBonytongue	ATTAGCCTTTTACACTTATTCACCTCATTTATACAGCTGGGC-ATTTTTTTTTTCTTTTTTAACTGGAGCAACTTAAAGG	1244
Reedfish	CAAAGTTTGGAACTGTCTAAAGATTATTACTTTTACAAAGA-ACAATCAATTTCAAGCTTTACTCCAGTTTGTGACCC	31013
NorthernPike	TATTAGCTGGTGATGAGTGGTACCCCCCACCCTAGTTGTATTGCCTGGTATTACAGGCTTTTACAAACCCGATTCC	5077
SpottedGar	GGCCTCCTAATAATCCCATCTATGAATTGGCTTCACTACTCTGCTCTCCTCCCCTAATAGCTGATGTGTGGTGAGCA	4470
ParamormyropsKingsLeyae	GGCCTGTGAAAGCCTCCGGTCCACCTGCGGCTATGACAAAA-----CAAGTCCAATGGAACGGACATGTATAGCGCC	713
Majority	TAAGTAGT---GCTCTATGGTTGTT-ACTGTAGCG---TCCAAGTGAATTTTATACCTGTATGTTT---TTGGCTCA--	
	73290 73300 73310 73320 73330 73340 73350 73360	
Human	CAAACAGCCTAAATCTATGGTAATCAACTCCAGCCTTGTGTAATGAAATCTTCTGCATAAAGATAGG-TTTAAATCAA	73236
AsianBonytongue	TAAGTAGC---ATGCT-CAGATGT--ACTGTACC---TACAAGTGAATTTAAACCTGTAACCTT---TGGGCTCA--	1308
Reedfish	AATG-AAT---GCTCAACAAGCCAA-ACTGGTAAG---TACTTGAGAATTTTATTTTTATTTTTTTT---TTGCCTGT--	31079
NorthernPike	AAAAAAGTTGGGACGCTGTACAAATTGAGTAAAAAAGGAATGGAATAATTTACAAATCTCAAATCTATATTTAATTCACA	5157
SpottedGar	TTC-TGGT---GCACTATGGCTGCC-GTCGCATCA---TCCAGGTGGATGCTGCACATTGGTGGTG---GTGGAGGG--	4536
ParamormyropsKingsLeyae	CT--AT---GCAAA-TGGTCGCTCGCCTTAGCG--TCTGTTTGTATGATGGTGCCTGGGGGTT-----AAGGTTA--	775
Majority	-TAGATTTTCATAATTTA--TTAAACGTTTTGTTTTGAGCATCTGATAGTGTAGCTTTTATGAATTG--TCATTATGTTA	
	73370 73380 73390 73400 73410 73420 73430 73440	
Human	TCAGATTGCAGATTTTATTGAAGAAATTTGTGTTTTTAAAGAGTTGACAAATATATGTTGTATGGCTAAAACAAAGAAAATA	73316
AsianBonytongue	-CAGGCATCACTACT-----AACCATATGCTGCCAGCTGCCCTTGTCTGAACTGCCGTGTCTT---CCACTGTGTCA	1378
Reedfish	-TCCTGTTTATAATTAAGTTTAAATGCTGCTTTTGTCAAACACATAAAATTAGCTTTGATTATTTT--ACATTTTTTTC	31156
NorthernPike	ATAGAATATAGATAACATATCGAATGTTGAAAGTGAACATTTTGTAAATGTCA--TGCCAAATATTTGGCTCATTTTGGAT	5235
SpottedGar	-GAGACCCCATTACCTG--TAAAGCGCTTTGAGTGCAGTGTCCAGAAGTGAAGCAATTAATTAATTA--TTATTATAATT	4611
ParamormyropsKingsLeyae	GGCTTTTCATAGTTTA--TTGGGCAATTAACCTGACCCGAGGAAAGTCTGG--CAGAATGAACTG--TCAGTATCTGA	848

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Majority	CTTA-----GTATA-----TAGTTTCACAAAAAGTTCA-TGTCAGATCGCAATACAG-ATATGA-----AAACTA	
	73450 73460 73470 73480 73490 73500 73510 73520	
Human	CTTCTGTTGCTTCTGCATTTAGTAGAAGAAAACTATATATGTTTGTGACCAAAGTATAAAATATGATTCCTTTCCAGGGA	73396
AsianBonytongue	CTTA-----GCATG-----TAGAAGCCCAAAGATTTC--TCTAAAATGG-AGTACAGCAGATGA-----CAACTA	1435
Reedfish	ATGAATTAGAAGTTATAGGTGATACTTTTCAGAGGTGGTTTAAATGTCAACCCAGATTTCAG--TGTGG-----AAACTG	31227
NorthernPike	TTCA-----TGAGAGCTATACATTCAAAAAAGTTGG--GACAGGTAGCAATAAGAGGCCGAAAAAGTTAAGGATA	5304
SpottedGar	TTTAAAATTACTGCATT-----TTTTTTCACAAAAAGCTCAATCTCAATTCGCAATTCAG-AGATGA-----AGACAG	4678
ParamormyropsKingsLeyae	CT-----ATA-----CAGTTTTTCAGAAAATCC--GTGAGACTTTTTTGTAA-CCATTA-----TCAGTA	900

Majority	TGTTACAGCTGTAGCAA-----TCA-T--AATTTAAAATTTGCAATTC--TTAAGTAATTAGAATGTATAAAATTATAG	
	73530 73540 73550 73560 73570 73580 73590 73600	
Human	GGTAAAGGTTATGCAGAAGATTTTCACTAGCAGCTCTAAAAGGCTACCC--TCAATTAATTGCCATGAAC-ATTTTCATAG	73473
AsianBonytongue	AGTTCAAGCTGTCTCCA-----CTA-T--GATTTAACATTTGGCACTAC--ATATGCACTAAGAATGTATTAACCTCCAG	1503
Reedfish	TCTGAAAAGTGTACAGAATTGGCCT-CAAAAAAAAAAAAAAAAAACATTTT--TCCAGTAGACAAGGACCGGAAGCTGGTAC	31304
NorthernPike	AGGAACAGCTGGAGGA-----CC----AATTTGCAACTTATTAATGTCAATTTGGCAACATGATTGGGTATAAATAGAG	5372
SpottedGar	CATTTCCATTTTAGCAACAAC--TTA-TCAAATTAACGTGTGAGGTTC--TTATACAAATAAAATATCTAATATCATAG	4753
ParamormyropsKingsLeyae	TTTGACAGCCATAGCAA-----AATTCATATTTGCAATA--ATAAATAGCC-GAAGGAACAAAATGGCAA	963

Majority	T--TTCAGAAGGGTGTTTGTGTCTT-CAGTATTAGGGTGTATTAGAGT-AAGTCATCCATT---TGTTCATGTTGC--A	
	73610 73620 73630 73640 73650 73660 73670 73680	
Human	C--CCTAGAAGGATGTTGGCTCATTTTCAGTGTCACTCTGGTTTATTCTTTATTGTATTATTTCAGCAGTCATTTTAACT	73551
AsianBonytongue	C--TTCAGTGAAGTATGATTTATT-CACTAATAGCATATATTACAGCGAAGTCCGCCATT---TGTTCAGACTAATTA	1577
Reedfish	TCAGTTGGTAATGTGTGCATGGCCTG-CGATTTCCGTTATGTTGACTTGGTACAGCGATCAA-TGACTGTAGTCCGCAA	31382
NorthernPike	CCCTTC--AGAGTGGCAGTGTCTCTCAGAAAGTCAAGATGGGCAGAGG--ATCACCCATT---CCCCAATGCTGC--	5440
SpottedGar	TAGTTCAGATGGGTAGTGTGCTCAG-CATGCGTAGGCTGCAAAGGAAC-AAGTTATAGGTT---TATTCCATGCTGA--A	4826
ParamormyropsKingsLeyae	T-----GACGATGATTAAGTCTT-CACAAATAAAGTGCATTTTAAAT---GGCATTCGTT---TTTTACCCCTTCC--	1027

Majority	AT--TAGGCAGATCAGTGGCACAATATGTTG-ACAGTGTTTCTTTTCCATGTGTTTTATAGCTTATGAAGATCATATGA	
	73690 73700 73710 73720 73730 73740 73750 73760	
Human	ATGCTAGACACTTTAGAGATTCAGAAGAGTA-ACAGGGTTTCTGTTCTCATGAAGCTTATCAGAGACAGAAAACATATGA	73630
AsianBonytongue	AG--TAGGCAGATCAACAGGTCAAGGCCATAG-AAGGAGCAGTCTTTTCCAC-TGGATTATGTCTTCTGGAG-----TGA	1647
Reedfish	AT--CTGACATACCCCCACAATAAAAAGTTGTGCAATGTGATATCTGCTTTA-GTGTGAAAGCGAGTGAATAAAATGCTG	31459
NorthernPike	----GGTAAAAATAGTGGAGCAATATCAG--AAAGGAGTTTCTCAGAGAAAAATTGCAAAGAGTTTGTAGTTATCATCA	5514
SpottedGar	AG--AAAGAAGAAAGAGAACAACGTTTCG-GCCGTGGAGCCTTCTTCAGGTGTGTACACCTGAAGAAGGCTCCACGG	4903
ParamormyropsKingsLeyae	-----CACTGTCAATATGTC--ATTATGTTCCCTTTTCTGC--ATTTTGGCAACAAGAAGATCAAACATA	1090

Majority	TTTAAATTATATTAT--CTATTTCAAATGTTTTGTGAATATAGTGTAGTTTTTTT-ATTTAATTGTTAGGTCTCTAAAA	
	73770 73780 73790 73800 73810 73820 73830 73840	
Human	GTTAGATCTAATTGGAGGCAAACCTGAAATATATAGTGGAGTTAGTGTGGTTATCAGCACATAAATGAGTGATCCATCAAC	73710
AsianBonytongue	GGAAAAGGATGTTAC--GTGTTTTATGTGTTCCATGAATAAAGGGCTGTCAGGTG-ATGTAACAGTTAAGGTCATAA--	1721
Reedfish	TCCTAGTTATCTTACA--CCATATCTGCTCTTTTCTTAATA-AGCCTGCTTCTTTT-GTCTCAGAGCAATTTCTCTGGAT	31535
NorthernPike	TCTACAGTGCATAAT--ATAATTCAAAGATTTCAGAGAATCTGGAACAATCTCTGT-GCGTAAGGGTCAAGGCCGAAAA	5590
SpottedGar	CTGAAACGTTGTGTT--CTCTTCTCTTTTTTTTTCAGCATGGAATAAACCTATT-ACTTGTTCCTTTGCTATCTAACA	4979
ParamormyropsKingsLeyae	AAGCACAAAATGA---GAAAGTCAAAGGCTGCATTACTATAATCTAGTTTTTAT-ATTTGATTGTCA--TATTTAA--	1161

Majority	ACACGTTTAATTTTAG--GGCTTTATT-----ATTTTCATGTAGAAGTGT---ATGATATGTTATGATTC---TGT	
	73850 73860 73870 73880 73890 73900 73910 73920	
Human	AAAAGGAGAAATTTGGAGGGTTTTATGGGCCAAAAACAGCATGATTAATGTGATAGAGTATATGTCATGTTTTAGGTGT	73790
AsianBonytongue	--ACGTGTAATGTA---GG-TTCATC-----AAT--CATGTATAACCT-----AAAGTCATATGAACC---TGT	1776
Reedfish	AAGCATTTAGTCCCATTAGCTTTATTT-----TTTTGATGTAGAAGTGAATTTGGTTGATTTAGTGTAAAGTG---ATT	31605
NorthernPike	CCATACTGGATGCTCGTATCTTTGGG-----CCCTCAGACGGCACTGC-----ATCACATACAGGAATGATACTGT	5657
SpottedGar	TCATGTCTTGTTTAAG--GGCTTTATTCT----GATTCCTTGAAGGACCCCTTACCAGAAGGTGTTAGGATCC---TGC	5049
ParamormyropsKingsLeyae	GGCAACTATTATTGA--GGAATGATT-----ATCTTATCGAAAATTGTT-----GAAATGTTTCAGCTTC---ACT	1221

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Majority	AATCTAAATCTTATTAT-GTTTAAGTAATACTACTATTGAA-AC---TTTGAGTAACTTATTCCTTGAAATTATTGTA-	
	73930 73940 73950 73960 73970 73980 73990 74000	
Human	GATGAACATTTCAGTTAT-GTGTGACGAATAGGATAATTGAAAAA--TATGAAAGGCTATGATGCCAGAAAGTATTATG-	73866
AsianBonytongue	AACCTGAAGTTGTTA--GTTCAAGTCTGCTGCTGCTGTA-GCACCTTTGATCAAGGTACTTTCTCAAATTACTIONA-	1852
Reedfish	AAGCA-AACCGCAGTAT-TCCTATAATCAAACACTATAATAGAA---TTCTGTTAATAATACTACAGTTACATTACTATA-	31679
NorthernPike	AATGGAAATCACAACATGGGCTCAGGAATACTCCAGAAAAACAT---TGTTGGTGAACACAATCCACCGTGCCA-TTCGC	5733
SpottedGar	TGCTCTGACCTGAGTAT-GTCTCTCTGTTTCCCAAATGAATGCCCTTCTGAGCAACTGATCTCCATATCAGTATTGTAA	5128
ParamormyropsKingsLeyac	CGATT--AATTTATCAG-GATAAAGTAACACTACTATTGCA-----TTGGAGTAAAT-TCTCCTTGTAACATA--GAAA	1289

Majority	-TGTTGGCAGTTATAACTATTTATGTAACCTATTAATAATTTGTTTAAATATGA-GAAGTTTTTTATGCTTTT--TCTTTTA	
	74010 74020 74030 74040 74050 74060 74070 74080	
Human	--GGACAAGATCTTAAAACCAGTGTACCAGGGAGTATGAATTTAATATGG-GAATCTTAAACTCCTTT--ATGACTG	73941
AsianBonytongue	--GTGG-GAATGCACCGATTCTG-AAATATGCTCAATATGCTTTGCATGCAA-GGAGTCCGCTAAGCAAAC--ACACTCA	1925
Reedfish	-TCTATCTATCAAGTATGCTGATG-ACACTATGGCACTATGGCTAACTATGG-TTAGCTCGTCACTCTTTGGCTCGTTTC	31756
NorthernPike	CGTTGCCGGCTAAAACCTCTATAGGTCAAAAAGAAGCCGTATCTAAACAGGATCCAGAAGCGCAGGCGTTTTCTCTGGGC	5813
SpottedGar	ATGTGA-ATTTGTCTCAGTTGACATAACTGGCTATAAAGTATTAAATAAAA-AATACATCTTAAACTTATT-GCATGCA	5205
ParamormyropsKingsLeyac	TTGTAGCAGCTACAATTATTACAGTGGCCCTTTAAAAAATGTTAAATAAAA-CAAGTTATATATCTATGC--ATTTTA	1365

Majority	AAAGAACAATACTGTTTTGTATGT--CAAGGTTTGAAAAAATTTTGTAGAGGGACGTATAGATAATTA--CTT-CAGTAGAT	
	74090 74100 74110 74120 74130 74140 74150 74160	
Human	GAAGATGAGCATCAGAGTGTCTGC--GACCATTTGATGATATTATGTACCAAGTTTTAGATGTTTG-GCTTTTTTCAGGT	74018
AsianBonytongue	TAAGAGCAACACCGTTTT--CGC--CACGACGCGCGGAAATTTCCGGCCACGTTCCGGCCATTTTC-----CGGCAGAT	1994
Reedfish	ACATCTCATTTCTGTTTGTCAATTAATAAAGAAACGAATCAATTCAGAGGCTGAATCCTTAAAAACAGGGCTATTAATA	31836
NorthernPike	CAAGGATAATTTAAATGGACTGTGGCTAAGTTGAAAAAGTGTCTCTGTGGTCAGACAAATCAAAA--TTTGAAGTTAAT	5891
SpottedGar	AAAGAACTAGACTGTAAAAGATGT--TAAGGTGCCAAAAAGTGTAGAAGGACATACAATAATTAAGCAAACAACAGAA	5283
ParamormyropsKingsLeyac	AACAATTTGTCTGATTTGTATGTAACAGGCTCTTAGAGGGCTTAGAGTGGAGGCTGTATTGTTG-----CAGTACAA	1439

Majority	TTAGAACACATGATGCTTGCTCGAATCCGCACCTTGAGGAGG--TTATTGACTGAAGTT--GATCTGTGTTGAGTACCGAC	
	74170 74180 74190 74200 74210 74220 74230 74240	
Human	TATGAAAGCGGGGGATGAGTTAAGAACCCTGCTGTGAAGGATTCACTCAACTATTTTTAGGCAGTTGGGTAAAAATGACC	74098
AsianBonytongue	TCCG--CACTCGCTCCGCCTCCATTTTGTCTCTGGATG--TTGTTGGATGAA----GAACCGAAACGAAGA-CGAC	2064
Reedfish	TGAAGGGAAATGAAGTTAACTAGCAGTGGTCACTGATTAGG--AAAAGGTTAGAATGAAACCTGCAGCCACTGCGGCC	31914
NorthernPike	TTTGGAAAACCTGGGACGCCATGTAATCCGGACTAAAGAGGACAAGGACAACCCAGTTGTTATCAGCGCTCAGTTAGAA	5971
SpottedGar	TGAGAATACATGATGCATGGTCACTAGCAGTGAAGCAG--GTATAGTTCGAACC---GGTGTGTGTTGAGGAGCTGG	5358
ParamormyropsKingsLeyac	TTAAACCACACCATGGTTG--TGAGTCACTACTGAAGAGG--TCAATGACTTATGCT--ACTCTGTATTTCACCCAC	1513

Majority	GACTTGGCCTCAGATGATATACTCCTGCATCAGTG-----GGTAGTGTGACTAGACCTCTGGAATGTCAGGTTGGAA	
	74250 74260 74270 74280 74290 74300 74310 74320	
Human	AATTTAGTTTTAAGAAACTGACTGTGGCTCCAGAGTATGTTGGAGAAGTGAATGAGACTAGGAATAACAGGTGGGAG	74178
AsianBonytongue	GACGTCGC-ACGGA-AATATCCTCCGGCAATGGAC-----GGGTATGTG--TTGCTCTCCGATT-----A	2121
Reedfish	CTCCAGGCCCGAAGTTTACACCCCTGTCTTAGTG-----GGTAGAGAAAAAGACAAGGAGTACTAATGTAAACA	31986
NorthernPike	GCCTGCATCTCTGATGGTATGGGTTGCATGAGTGTGTG--GGTATGGCAGCCTACACATCTGGAAAGGCACCATTAAT	6050
SpottedGar	AAGGTGGCTATGGATGATGTAGTCTGCAGCTTCA-----GGGTGTCTGACTTCACCACTGAAATGCAAGGGGGGGA	5430
ParamormyropsKingsLeyac	CCCCATTCCCAACACACACCTTTCATTCACAATA-----GACAGTCTTTTCATGGCCATGGAAGGTCTAGTTGTAA	1585

Majority	ACTGATCGTTTTAATTATTGTGGAGTACTTA--TTAGTGTAGTAAAGTGAATGGTGTGTGTAAGAAAGAAAGTGATATTG	
	74330 74340 74350 74360 74370 74380 74390 74400	
Human	ACTATTAGTCTAATTAAGATGTAATTATAAATCTAAGCTAGGAACGTAATGAGAATGCAAAGTAAAGAAACAAATATGG	74258
AsianBonytongue	ATTAACCGTGTGCATATTGTGGGATGCTTC--CTTGAGTATGAGTAGAACGTTTTGTGG--AAGCGAAAGTGACTACTG	2195
Reedfish	ACCAGTAAGTTATTTTTTATGAAGGAGTTAGGGTCAAAAAGGGAGAGAAATATGATTTGTACAGAAAGGAAGTAACTCA	32066
NorthernPike	GCTGACAGTTATATCCAAGTTCATGCTTGGATATGCTCCCATCCAGACGTCGCTCTTTTCAGGGAAGACCTTGCATTTT	6130
SpottedGar	AATGAGCAGGCTAGGAGTGTAGAGAAGTAA--CTACTGAGTAAAGTAGGTTAGTGGGTGAGAAAAGGAAATTTACATAG	5507
ParamormyropsKingsLeyac	CACGACCATTTAGCATTTATGAAGCACTT-----GAATAACTGCAGTGGTGTATTGTATGACTGAAAGAGATTTCAT	1656

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Majority	CTAAA----TATTACGAAGTTACAGGCTGCAGCA-TTCTGG--ATGTGGCAGACTATAAG-AAGACTGGGGTAGTGTATG	
	74410 74420 74430 74440 74450 74460 74470 74480	
Human	GGAAAATTATATGTAAAAGTAATAGGACTTGCCA-TCTTACTGATGTGATTGATTATGAGAAAAATGAAGCATGTGGAGG	74337
AsianBonytongue	AGAGA----AAACAGGGAGCTCCTGTCTGTGACA-CAGTGC--GTGTCACACAGCGTA---GAGCCGCCGTTCTGTGTG	2265
Reedfish	TTAAC----TATGTCGAGTGTGATCCCTCTATT-TTCTGGCCATGAGGTATCCCTAAC-TGAGCTGCGATAGTATTTG	32140
NorthernPike	CCAACATGACGATGCCAAACCACATACTGCATCAATTACAATGTCTATGGCTGCATAGAAGAAGGATTTGGGTTACTGAAAT	6210
SpottedGar	ATAAG----TAACATGAAGTCAGAGGTAGCAGAG-CACTGA--AGACAGCAGTATATAAG-GAGAGAGGGATCATAGGTT	5579
ParamormyropsKingsLeyae	GCATA----TTTTAAACAGTTACCCAGTACAGGG-TCATGG--AAGGTAGGGACTGGAGC-ATATCTGAGGCAGTGTAGG	1728

Majority	AGCC-----GGGTCAGGA--TTTTGCTCAATACATGTGTATTGTTTATGTATTGTTGTCAGATTAGAGGCAAGAGTTGT	
	74490 74500 74510 74520 74530 74540 74550 74560	
Human	AGTCCACTGGACAGTAGGAAATTCAGCCTAAGACTTGGGTAAGAGTCTGTGGAGTTGTGAATTCAGAGGCCAGAGATGT	74417
AsianBonytongue	ATGC-----GCATCACGCCTCTCTGTCTGTGTGTTTTGTTTATTTATTTTGTCTGTGTCGGGGAGGGGGGTGC	2339
Reedfish	AACT-----GGCCAACAG--ACATTGTCAGTCTGGCATACTTTTCCCCAAAGATGCCACATTTCTCTCTACTTTTGT	32212
NorthernPike	GGCCAGCCTGCAGTCCAGATCTTTCCCCCAAAGAAAACATTTGGCAGAGGAAGGTGCAACAAAGAAGACCAAGACAGTT	6290
SpottedGar	GGAT-----GTGTTTTGG----TAGCTAAAGACAAGTGCAAAAGATGAGGGGTTGCTAGCAGAAGAGGGGTATGGATTTT	5649
ParamormyropsKingsLeyae	ACAC-----AGGGCAGGAGGACGCCTGGACACATGTACAATGGACAATTTAGAAATGCAGAAATTATGCAGAAACTAT	1802

Majority	G--TTTCAGTATTTGAGTTCTGG-----CAGGTTTAAAGACA-CAT-----TA-AGAGTTATAAATGCAATTTAATCAC	
	74570 74580 74590 74600 74610 74620 74630 74640	
Human	GATATTTAAAATTTTGGTTCAAGATTTCCAGGTATAAGAAAGCAAGAGGATTAAGCATTGTAATTAAACTTTAAGCAG	74497
AsianBonytongue	---CGCGAGTACCTGAGTTTGGG-----CAGGTTTAAAAAA-CT-----GTGTTACACACACAAAATAAACAG	2398
Reedfish	C--TCCCTCCCTTTTGGCTCCTA-----GCGAAGCAACACC-TG-----CAATCAGTCACAGCATCTGG-CAC	32271
NorthernPike	G----AGCTACTAGAAGCCTGTATTAGATAAGATTGGGACAACATT--CCTATTCATAAACTTGAGCAATTTGTCTCC	6362
SpottedGar	A--TTTCCATCCAGAAATCCTGA-----CTAGTTCAATACA-CAATATACCTAAAGTGTTAAAAATGCAAAATCTTTTT	5720
ParamormyropsKingsLeyae	-----GTATTTGGGCTCAGG-----AGGA---AACACA-CAT-----AGAGCACTGAGAGGAACTCAATCCC	1855

Majority	TCAAACCTGG---ATATATAAGGTTTGATAGATATCT---GGTCTTCTTTTATTGAAGCAAGCAGTTATAATTTAAGAG	
	74650 74660 74670 74680 74690 74700 74710 74720	
Human	TGCATATTTATGTTATAGATAAGATAAACAAGAAATCTAGGGATCAAATAGGATTAAGATTAAGTATGATCATTCACTAC	74577
AsianBonytongue	ATAAA--TAA----ATAAATAATGGCTGTTTTTTTTTT---TTTTTTTTTAACTGAAACTTGTAGGAAGAGAGCAAGAG	2469
Reedfish	CCAAACTTGA---GTTTTTTAGTTTCACTTACCA---CAACTTACTTAATT--AGCCAGCTGCTTTTCCCTTTTGAT	32342
NorthernPike	TCAGTCCCCGAGACGTTTGCAGTCTTTTATAAAAAGAA-GAGGGGATGCCACACAGTGGTAAACATGGACT-TGTCCCAA	6440
SpottedGar	TTAAAGTTGG---TGAAATCGAATTTAAAAAACATCA---GGACTTTCCTTGTGCAAAACA-GCAGATAAAATGTAAGAG	5792
ParamormyropsKingsLeyae	CAACCATGG---AGGTGTGAGGCAACAGCGCTATCT---GCCTTGCCTATATCTGAGCA-GCAGTTATA-TTTAAGA-	1925

Majority	ATTTTTTTGGATATATTGTTTACCTTGTGATTATAAGTCTTATTATATTTATTTTTAGGTCTAAG-----GGTA	
	74730 74740 74750 74760 74770 74780 74790 74800	
Human	AGTAGTTACGTACTGTTATTACAAGAGTATATAAATCAAATTACAAGGAATTAAGGATATAAACCTGA-TAAGAAAGTA	74656
AsianBonytongue	GG-----GAACAGAATGG-AGCAGGTGGCCA-GAGCCCCACTTGAGTTTTTCTTAAGC-----TT	2522
Reedfish	TAGGTTATGTTTTGCATGCAAAATTTGCAATAGCAAAACTTATTATAAACAGGTATTTGGCTTTG-----GGCG	32410
NorthernPike	CTTTTTTGAGATGTGTTGATGCCATGACATTTAAATCAACTTATTTTTCCCTTAAAGTGAAAGATTTTCTCAGTTTAAA	6520
SpottedGar	ATCTAAATAAACAATTTTTATCTGATGTTTATAAGTATTTAAACATTTTGTATAGGTCGAGG-----GATT	5860
ParamormyropsKingsLeyae	-----AATGGGCCTTGGGAACG-ACGTTTTGCTGGTGGTATTTAAGGAC-----AA	1972

Majority	TGTTTTTTTTTATTGTTAGAGTTTTAAAAATAAATGAGGAGTATT--AATTT-ATGATAAGTTTT---TAAATTGGGAATT	
	74810 74820 74830 74840 74850 74860 74870 74880	
Human	TGCACTGTACTCTTTGAGGAAGTTGCCATAGAAAGGAAGAAGA--AATAGGATGGTAGATCAGAAGTAAAGCAGGACCC	74734
AsianBonytongue	TCTTTTTTATTATTTAAAAAATAAATAAAGAGAGAC-----AGTGA-ATGATACCTTGT---TGAGCAGGGAATA	2593
Reedfish	TTTAAAGTTTTTTTTGGGGTGTGTTAAAGAAAAGAGGAGGATTCTCATTTT-CAGTAACTTTT---T-TACTAGTAATA	32485
NorthernPike	CATTTAATGTCATCTGTTGTGTTCTGAATAAAATATAGACATTTTAAACTTACACATTTGTTTTTATTACAATTTGTACAG	6600
SpottedGar	TGTTATCTTTTAGTTTCAAAGTTTTAAAAACAATGAGTGATGCCTTAGTAACGCAATTAGTTTAC---CAAATTGGGTGTT	5937
ParamormyropsKingsLeyae	CCAGCCGCATAATTTCAAAGAAATATAGTTCATGTTTCATT-----ATTTT-----TAAGTTTT---CATTTTGGAAATT	2039

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Majority	TGTGTAAT---TTTTTTTAGAATCGCATT-GTGTATAATTATTTTTTTAAG-CATTTTTTATTGTTCTCAGGTTGAGTG	
	74890 74900 74910 74920 74930 74940 74950 74960	
Human	AGTGGGGGAGTGTTCGAGTGAAGCAGT-ATGTATAATCATTTAAACATG--GGTTTGAGTCTCTCAGGTTCCATG	74811
AsianBonytongue	TATGCTCT---TTCACCCATATATTTAAA-GTGAAGGACCATTTCTTCCACATTCCTTTGTTTTGCTCTAGTTAGGCA	2669
Reedfish	AATATCAT---CTTTCTTGAATTTAATTAGTGGGTTATACATTTTATTTATTCAGTATTTATTACAGTAAATTGGAGGA	32562
NorthernPike	TGTCCAAA---CTTTTTTGGAATCGGGTTGTAGTTAGATTTTGGTCTCATGAGACTTGTTAATGTTCTCATGCTCAGAG	6677
SpottedGar	GGTGTAAATAAATTTGTTTAAAAATCCAAATATAATTAAGTAGTTTTTTTTAAC-TATTTCTTCTCAAAAACACATTA--CA	6014
ParamormyropsKingsLeyac	TTTTTAGTG--CTTATTGTAGACAGCTGT--TATATGATTTCTATTTTTTAAA--GTCTTATGTCGAGCTACGGTTG--TG	2111

Majority	TTTTCAATGTTTGTCAATGCAATATGCTTTTTAAT--ATAGTTGTTTTTCTCTTTCCA-T-GA-AATG-AGGGTTTTCTTT	
	74970 74980 74990 75000 75010 75020 75030 75040	
Human	TTTGTAAATGGACATAATGATAATAATCCCTTTTCATTTAAGGCTGTTGTGAGGATTAATGTGTTAATGTGCAAATAACTT	74891
AsianBonytongue	GTGCTATTTTTTGCCAGTCCAATATGGTTAGAC--ACAGGTGCTTTTTTTTTT-----TTTTTTT	2729
Reedfish	ATGTCAGGGTTAG-----CAAATATTTATAAAC--ATAATCCTCATCCTCTCTGCAGTGAACGATT-ACCAGATTATG	32633
NorthernPike	TCCTTCAGGCGGC---ACGTCAATATGCCTTTTACTCAGGAGTGGCTTCTGTCTAGCCGCTCAACCATAAAGGCTGGATTG	6754
SpottedGar	GTATCAATCCTTTTGCATGCATTATGCTCATTTAAA--ATTGTCATTTTTATCTCTCATAACAGA-ACAA-ATAGTTTTCTT	6090
ParamormyropsKingsLeyac	CTAAGAATTAAGACAATACACTAAGGTTTTTCG---GCTATATGCTGTTCAATGT-----GG-ACCG-GGGGCTTTCCG	2180

Majority	TCCACGCTAGTCTGGTAT-TGTTATATTTTC-GGCTTGCTGCTAACTATTATT----TTGTATTAAAGAAGATTGGTTCT	
	75050 75060 75070 75080 75090 75100 75110 75120	
Human	TACACAGT-GCCTGGTATATAATAAATGCTT--GCTACCTATTAACAGTATT----TGTTTCTAAGGCTAATTTAAGTC	74964
AsianBonytongue	TACACATTAGTCTAGTAT-TGTCATACTT---AGATGTGAGTAAGAGTTTGT----TTG-----AAGAAGATGAGGTTT	2795
Reedfish	TGAACAAGACTCTAATTTATGATGTACAGGTCCACAGTCTGTTATCAATAACC----CCAAATCAAAAAAGCTTTGAAA	32709
NorthernPike	ATGGTGCTGCAGAGATAGTGGTCTCCTGGCAGGTTCTCTGCTGAGAAAGGTTGAAGCTCTGTTAGTGGCCATTGGGTTT	6834
SpottedGar	TCTATGATAAAAAGGGAT-TGATACATTTTCTGAATTGTTTCCAGATATATT----TTGGACTTAAGAACTCTGGGTTT	6165
ParamormyropsKingsLeyac	TCATCGCTCGGCTCTGTT-CGTC-TATTTCCGTGCAGGCCCGGCTGCCATT----TTGT-TGCTGACTTGTGGGCTG	2253

Majority	TTAGG-----GTTTGTATTTTTAGATTATATT--TAAAGTGGATACTTT----TT-----CTATCAATAGAGAGATGC	
	75130 75140 75150 75160 75170 75180 75190 75200	
Human	CTAGAATT---GATTGCAAGGATTAGATCAGGAG--TATAGTGGACATGTTGGGATTTAAATATTTAAATATAGAGATGC	75039
AsianBonytongue	TT-----TTTTTTTTTAAATTTAAATT--TAAAGCAGTCAGTGG----TT-----CTGAGAAAAGGACTCTTC	2853
Reedfish	ACAAAATTTCCCTTCCCTACCTTTTGTCTAGGCT--TTACATCAACACCTT----TTACACATTAGCGATCAAGAAATGC	32783
NorthernPike	TTGGTCACCTAACTCATTACTTACACATTTCTATTAATAAAAAGAATCCACCTTTCTCCAGCGCTAAACGCTGTGACTGCC	6914
SpottedGar	TTAAG-----GTTTCTGGTTTCTTTATCATAAC--TAATGCCACTTGTTT----TT-----CTATTAATAAATGAAAT	6228
ParamormyropsKingsLeyac	AGGCG-----CGGTGCTGTAGTTAGCAGGAACC--CAGCGTAGATACGTT----CT-----CCGGCAATGGACGGGTAC	2316

Majority	TTTTTATGGCTTATGTTG---CCGAGGTGATTTTATAGCAGCTTTTCACGA---TTAGGTCTTTTTGTTGAGCATGTT	
	75210 75220 75230 75240 75250 75260 75270 75280	
Human	TTTTTAGGACCATTGTTAGAACCAGAAGAGATTTTTTACCAAGTTCACACAGAAATGTAGGTGCATTGGCTGGGCATGGT	75119
AsianBonytongue	TTGCCATGACTCATGGAG---CAAAGGTGGTCTGACC-CAGCAGTTCAGGA---TGGGGGCTTTTGGATGAACACACA	2924
Reedfish	TTCTCATAATGTTTTTTG---CCATCA-GTTTTCAAATGAATAGGCTGCAG---TCTGCTCTCTCTGTTGAGTGTGTT	32854
NorthernPike	CTGTTCTGGCACATTATG---CTGGGGTGAACCAATCACAAAGCTGTCACAGAACTGATGCCGTTAGTTTAAACATGTT	6990
SpottedGar	AATTTAAAGAATAAGAGC---AGAAGATAAAATATAGCAGCTTATAAAGA---TTAAATGTTTTAATTGTGTTAAA	6300
ParamormyropsKingsLeyac	CTATCGAGGTCTGTGTCG---CCGGAG-----ACAGCGGCTCTCA-----TTCGGTTTTATTCTTTGACGCTCTCC	2378

Majority	GTCATA-CACTCTCAATATCGGAACCTCGG-AATGTCGCG-TACATGGGTCACTTGG---TGCCAGAAGCTAAACCAGAGC	
	75290 75300 75310 75320 75330 75340 75350 75360	
Human	GGCTCA-CACCTGCAATCCCAGCACTTGGGAAGGCTGAGGCAGAAGAACTGCTTGA---GGCCAACATTTTGGAGACCAGC	75195
AsianBonytongue	CACACA-CACACACACCATCTGAAACCGC--TTGTCCCA-TACG-GGGTCGCGGGG---AGCCGGAGCCTAGCACAGGGC	2996
Reedfish	ACAATA--TCTATCCATTTTCCAACCCGCTGAATCCGAA-CACA-GGGTCACGGGGTCTGCTGGAGCCAATCCCAGCCA	32930
NorthernPike	GACATT----TCTGGACAGGAAACTCGA-AATTCAACTTTACATGGATCAGTAAA---GGCCAGTAGAAAAGCTAGAGC	7062
SpottedGar	ATTGTATCAGAAGCAATATACAGGTTGATAATCATTGTG-TCCATGGATGATTTTT---TTTCAGTCACTAAATCATATT	6376
ParamormyropsKingsLeyac	CTTAAG-CGCTCACAATATAGCCAGTCCG---GTCGCG-AACTTGGGTTACT-----TTTAAAGTGAAACGGCAAT	2445

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Majority	CTGCAGGAC---GGAGGGGACAAATCCAGGTTAGGGGTTTCAGTTTGTCTGAAGGCCG---CC--TAGATGGCAAACCTCA	
	75370 75380 75390 75400 75410 75420 75430 75440	
Human	CTGGGCAACATATTAAGACCCCGTCTCCACCAAAAAAAAAAAAAAAAAAAGAAGTAGGTGCAGAGC--TGGAAGCAGAACCGA	75273
AsianBonytongue	GTG-AGGGG---GGAGGGGACAAACCCAGGACGGGACGCCAGTCCGTCGCAAGGCAC---CC--CAAGTGG--GACTCG	3064
Reedfish	ACACAGGGCACAAGGCAGGAAACAATCCTGGGCAGGGTGCCAAACCCACCGCAGGACACACACC--CACACACCAAGCACA	33008
NorthernPike	AAACAACAATGCTGCTAGTGTCTGATTACAGGTTGTTGTTTGAATTTGACTGAGTTTGTCTATCTAGTAGGTGAAAAGATCA	7142
SpottedGar	TTGCAGTAC---AGATGGACTAAAATGAACTTGTAGGTTTCAGTTAATCTTGAA-CGT---CC--CTTATGT--GATTCA	6444
ParamormyropsKingsLeyae	CTG-----GA--GGGACACAGCTTGCTTAGCCCTTTAGCATGTTAGCATGCGA---GC--TAGCTGGCCAAACTG	2508
Majority	AACGCCAGCTGTTTTGGAAATCATGATTGCTTAAACCC-A---CTTTTATCTGTGGGTAGACACCCCTCGATGACTGGTG	
	75450 75460 75470 75480 75490 75500 75510 75520	
Human	AATCATCAGTGTACAGTCAATTATTCTTCTGTCCACCATATATGTCTTTATGAAGCAAGGGAGAAAGAAGAACAGATG	75353
AsianBonytongue	AACGCCAGACCCCTGGAGAGCAGGACTCGATCAAACCC-A---CCGCGCCCTGGATGAACAC-----AGTTTTGTGA	3135
Reedfish	CACTAGGGCCAATTTAGAATCGCCAATCCACCTAACCTGCATGTCTTTGGACTGTGGGAGGAAACCCACGCAGACACGGG	33088
NorthernPike	GTAGCCAGCTGCATGGCAACCAGC-TTAAATAGAATTA----ACAATTATTTTCGCATTGCAACATTCAAAAAATAATG	7217
SpottedGar	GA-----ATGTTTTGTGTTCGTTACCTGCTTATTTCCTA---CTGTCATTATAATTAACTGCCTTGATAGTTTATA	6515
ParamormyropsKingsLeyae	AACGGAATCTCTCGAAATCATG--CTGGTGGGAGGC-----TT-TTATCGCTGGGAAACGCTGG-GATGGCAGGTG	2579
Majority	AAGTGAATGTGG---TGGCACAAGTTAAGAGCTATG-AATTGAACTTGATCTATTAA--TTATTGGGTAGCT-CGATA	
	75530 75540 75550 75560 75570 75580 75590 75600	
Human	AAAGAAGTGAGGATTTTGAAGTTGGTTGAAAGATTTG--ATTGAATCTGATCTAAAAA--TTATAAGGCACTTGTTTAA	75429
AsianBonytongue	AAAT-AAATTAT---TAGAACAACTAAGAACTATA-AACTG---TTGTACAGATCAA--TAAATGGATAATT-AAATA	3203
Reedfish	GAGAACATGCAAA---CTCCACGCAGGGAGGACCCGGGAACCGAACCCAGGTCTCCAAA--CTGCGAGGCAGCAGCGCTA	33163
NorthernPike	ACCCGGCTGTGTGATTGGCACATGACAAAAGGAATG-AATGAAAATTGTATGAATTGACTTTAATGAAAATCTCCAGT	7296
SpottedGar	GTGTTAAAGTGG---TGGGAGAAGTCAATGTGCATTGCAATTAACCTTTTGGTGTTTAA--TTATTGAATACCT-AGAAA	6588
ParamormyropsKingsLeyae	CTGAGCACATGG---TCGTGTAACCTTAATGATAGAAAACAAA----GTACAAGTGC--GTTCTGAG--GCT-CCCGT	2646
Majority	C----CTGTTGCACATAGGATAGTGTATTAT--GT----CTGCACCTGCTTTTTT--GAATTCAGATAGCCCAATTGTTAAT	
	75610 75620 75630 75640 75650 75660 75670 75680	
Human	C----AAGTTGAAAGTAGGAAAGTAGACATAAGA----CTCTACTAGATTTGGGGAACTCTCAAAAATGGACTGGAAAT	75501
AsianBonytongue	C----CTGTAGCAGGTAGTGTACTGTGTA-----GCACTACCCTGT--GTAGTCAAAGGGCTCACGTTTGAAT	3266
Reedfish	C----CCACTGCGC-CACCATGCCGCCCGT--GT----TACAATATGCTTTT--AAATAATTATAATCAAATTCATAAT	33229
NorthernPike	CATTGTTATTTTACATATGTTAAGGTTTTATAAAGGCCCGCAATGCTGTATCATGAATACAGTCAGTCAAATTGTTTGC	7376
SpottedGar	T----TAGCAGTGTAAAATACTTTGATTAT--TG---ATGTAAGTGTTCAT--TTCATCAGATCACATAAGGATTTTT	6656
ParamormyropsKingsLeyae	C----CTTTAGCTAATGGGTTAGCGGTTGT--GT----CTGCGATGCGAGCA---GCCGGCGGAGAGCCCGACGGGAGGC	2713
Majority	GTTGCTTATTGT-----ATCTTTTA-TTGTTTATCTAAGGTA-ATTAGCT-TGTGTTTCTTCATTATGCTATTAGTCAA-	
	75690 75700 75710 75720 75730 75740 75750 75760	
Human	TCAGCTAAAAGTGGATAACAAAATATTTCTAGAATTAGCATTTGTGGGGTGTGTGTGTTTCACTCTAGTATTTGTCAAG	75581
AsianBonytongue	GCCACCTCCTGC-----TCTAGTA-TCGTCAATCTAAAGTA-CTTACCC-TGAATTGCTGCAGT-TGAAATTAAGTAAAG	3335
Reedfish	ATTGGTAATTGTAAGAAATCATTTAATGTAAAGCTAAGTTGTTTCATAT-AGACAGTCATCATTTTGACAAGAGTAAT-	33307
NorthernPike	CTGGTCTGGTT---GTTATTGTTTACTTTTTTGTAGGAGGTAGACAACTGTGGGATGTTTTTAGATCCTGTTTTTAGAC	7453
SpottedGar	CTTAAGCATTTCT-----TCTTCCAGTTGGCTGTCTAACATA-ATCTCCC-ACTTATCACACATTATGTTGCTACTCTG-	6727
ParamormyropsKingsLeyae	CCGGCGCTCCG-----TCTCGCA--TGCTTTGTTATGG---ATTAGCC-TGGGTTTCTTTGTT-TACTATTGGGAAA-	2778
Majority	--CTATATGAAAGTTTAGTAAGAATTTAGGACTTGGTTTCTTTTGTGTCTGGTATAATGTATTATGTAATGAGTAATAG	
	75770 75780 75790 75800 75810 75820 75830 75840	
Human	C-CCAGATGAAAGCATAGACAGAATGTAAGACTGGAT-TTATCTAAGTCTGGAATTGTGTAACAT-TAAAGGAATAGTAG	75658
AsianBonytongue	--CTGAATGAAGGATAAATAAGTGTAAATAGCTTAAACACAGTTTTATTTAGAGAAAAGAGTAATCTAAATAAGTAAAG	3413
Reedfish	--ATTTAAAAAAAAAAAAAAAAAATCAGGAGTGTGCTCCCTCGATTTTCTGTACTATATACTGAGATAGAGGAAAAG	33385
NorthernPike	CCTTTTACAGTGGGGCTGTTAAACTTAGGTTCTGGGTGGCTTCTGTAGCAGCCAGAATATTTATAAGAAAGTGTGTAC	7533
SpottedGar	--CCATGGCTTCTTTGGCTACGGCACAGACTCTGGTATCTTTCAAGGCTAATATTGTGGATTATGTCAGGATATGATAG	6805
ParamormyropsKingsLeyae	-TAAATCCCATTTTAAACATTTATTTTCGATTTTTTTCTCTCTCCCATGTAACACCCCATATCTATTTAAGCAATAA	2856

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Majority	GCAACGAGTAGAGTGTGG--GTTACGCTATGTTTCG----ATCTCACATTTCTCTTTCTGGTTAAAATCA-----GGTCA							
	75850	75860	75870	75880	75890	75900	75910	75920
Human	CAAATGAGCAGAGTGTGG-CTCAAGCCTAAGCTTG----AGCCTAAGCTTGACTCTATGG-TAAAGTCA-----AGTCA 75727							
AsianBonytongue	ATAGCAGGTTGGGTGTAG--GTCACGGCGTGAAC-----ATATAACATGAAGGTAGAAGGTTAAAATCT-----GA--- 3478							
Reedfish	GTCACCAGAACCCTTCCA--GTTGCACAATATTTCTCAAATATCATATTTCTGTTTCACGTCATAACTAATTGAGAATA 33463							
NorthernPike	TCTGCAAGTTGGCCTCTGGGCATTCTGGTATGTTCTCGTAATCCTAAACGTATCCTACAACCTGTTGAGAAGACTTGGT-- 7611							
SpottedGar	GCACTGCACACAGTGTGAG-TATTTCTTAGTATTA-----ATGTCAC-TGCTGTCCAATGGCTCAAATAA-----GACAG 6873							
ParamormyropsKingsLeyac	GCCACGTTTCGAGGGT-----GTTACCCTATCCCCG----ATTTTCGCTTTTCCCCGCTGGTTGCTGCCG-----AGCCT 2922							

Majority	TGGAAGTCAGCAATA--ATGCTCCTTTGTATTTTA--CTTTCTTTGTCTGTTATG---AAATTGTTAGTTCACTAATATT							
	75930	75940	75950	75960	75970	75980	75990	76000
Human	AGGGAGAATAGAAAGGGGGTCAACATAAAGGTCAAAGTGGGTTTAGTGGTTGTGTGGGAATAGGCAGATCAAGAAAA-- 75805							
AsianBonytongue	TGGAAGTCTGCTGTG--GTGCTCATCTGAAAGGTA--CTTAATTCGATTATTGTG---AAATTTTCTGTGCAAAAAAATT 3551							
Reedfish	TAGATATACATAATATATATTTTTTTTTTTTTTTTGGTCAAAATTTGCTGTAAAACCTCAAAGTCTTGTTCATTGTATT 33543							
NorthernPike	ATCAGGTCATCAAGATAAGGCTACATTTTAAAGTTG--TCATTTCTAGCTCTTATG---ATATTAGAGCAACAGTAATTAA 7686							
SpottedGar	TAGAAATAAGCAACA--AAACTT-TCAGTATAATA--CATGCTATGAAAGCAAGGC--AAAATAAATTTTACTTAGCCT 6946							
ParamormyropsKingsLeyac	CGCTGTGAGCC-----CGCCC-GCCGAGCATCA--CTTTCCCCGTCGGTGAGG-----GGCTGCGGCCGTT 2981							

Majority	TTATGGATTTATGAATGGCCATTTTCAGTATGTTATAAG-C-TGTTCTTGAATGTTAAAGAGTTTTGATTGTGTATACATG							
	76010	76020	76030	76040	76050	76060	76070	76080
Human	GAATGAAGTTAGGAAAGGAGATATAAGTGTGAATGAC---CATTACAAAAGAGACAGAGGAAAGAA-AAATGAAGATG 75881							
AsianBonytongue	GCGTGTATCTATTTACAGTGAATTTGATATGTTTCG-----TATTCGGAAGTTGAAAAAGTGTATGTTA-GCAGAAATA 3625							
Reedfish	TAAAAGACACGTGGGGAGCTAATCCAGCCCTTGATAAAAC-AGTGTTCACAGATAAAAGGTTTACTGTGAGTATAAAGT 33622							
NorthernPike	ATAGGAAAAACAAGTGTCCATTCAGTTAGGACTAAGCC-TGTTCCCTTTTATAAATGTGTTCTGATCTGTACCCTCC 7765							
SpottedGar	TTTCACATGGTGAATAATCATTTTTGTATGCTTTAGTTTTTATTGTTAAAGTTTATAGAACATTAATTGTATAGTCTTG 7026							
ParamormyropsKingsLeyac	TGTGGGCGGACG---GCCACCTCGACATGACACAGGGC-TGTGCTCGGGTCTCTGTGCTGTTCTGT-TGTCATGCATG 3056							

Majority	TATTTTATGTTTT--TAAATAGGTGTGTCAGTCTCTATTTTAAAGTA--TTCAC----TGAAACCTTTAT-GTTGCAT							
	76090	76100	76110	76120	76130	76140	76150	76160
Human	TATCAAAGAAGTTGCTAATATGGATGGCAAAGTAGATGTTTTTAAAGAA--ATCAT-----GAGACCAGAGTCTTGGAAA 75954							
AsianBonytongue	TATTTTTTATGTT--TTCAACAGCTTTTTCAGTGT--ATACTAAAGTT--TCAAC-----AGTCTTCACCGCTGCAT 3691							
Reedfish	AATTCAGTAGCCTACATAAGAAAGGCATATAAAATCACTTGTGAATGCA--GTCATT-AATGAAACTTGTTT-TTTTCGC 33698							
NorthernPike	TAATCC--AGTTGTGTCCAACAACCTGTGTTCTCTCTGCTGCAAAACAAATTAACCTCCTCTGAGGGAAATACTTTTAA 7843							
SpottedGar	TATTTTATGATTG--TAAATTAAGTGCATGAGTCATAATGTCAAAATT--CAAAGC-CATAAAACCATCAT-GTAATAT 7099							
ParamormyropsKingsLeyac	ATGGC-TGTCAT--TTGAATAGTTACGTCGTTTAC-ACATGCATATA--TGAC-----ACGCATAT-GTCGCAG 3120							

Majority	AATCA-AGGTTGCTGT-GGCAGTTGTTTTT-GAT-AATGAGTGTGGGTGTTTAAATCTTTATTTTATATGAAAT----AG							
	76170	76180	76190	76200	76210	76220	76230	76240
Human	AGTCATAGGATGATGCAGGGAATGGAGAAGGGGAAATAAAGCCAGGTGCTGAAGTCTTTATGTAATGGGAGGAGATGTT 76034							
AsianBonytongue	TCTGG-ACATT-ATGT-AGCACTCATTTT-----GGTACTTTTTGGATTTTCATTCCCATTGTTGATGAATT-----G 3757							
Reedfish	AGCTA-TATTTCTGTTTGTACAAGGTTTT-GATTCACCAGTGTGGATGCATTTATTTTAAATTTTGTAAAC----AG 33772							
NorthernPike	AAACAAACAGTCCTTT-GATAGTGTATTGGGCTTTGCCTTTGTGTTTATTTAAT-CAATATCCATATCCAAAAGAAGG 7921							
SpottedGar	TATCA-AGGGTATGTTAGCAGCTGTTTTT-TAA-AATAAATATGGGTGATTATTTTCTCTGTATATACAGAATCTGGAA 7176							
ParamormyropsKingsLeyac	AAGTCTGTT-CTGC---CATTTAATTT-----ACGGGTGTGAACAGTTAAT-----ATTTAAAAC----- 3172							

Majority	TTAGTTGTTTATAATCTGCTTTGCATTGT-TATATTTTTTATACCAGGGTGTACATTGAC---CTAGTCATCCTTCATGA							
	76250	76260	76270	76280	76290	76300	76310	76320
Human	CCAGTAATCCAATGGCTATTTTG-ATGGGAAAGAGTGTGGTATGATTGGGTGGCATTGACA---TCGGAAGCCATCTCA 76110							
AsianBonytongue	CTAGCAGTTTATAATGTGATTGCAGTAT-TATATTTTAAAT-CCAGGATGTTACACTGT---CCAGGTGACCTCAGCAA 3831							
Reedfish	GTAAATTTTGTAGAGTCTACTTTAAATTTGTATTATTTGGAGCAAATGTTTTATTGATTAGTTGCTGATCACTGACTA 33852							
NorthernPike	TTAGTTTGTATAAATCTTTTACAGT---TTTATTTCCAG-CCCGGGTGTGAGTTAGACCTAGTTGTCACGTTTTATGT 7997							
SpottedGar	TTGCCTGTTGATCATCTGAGTT-CATTGC-TGTGGCTCTTTACCAGGACAACATAGATTGGTACCAAACATCTCTCAGAG 7254							
ParamormyropsKingsLeyac	CTGAACGTGTATAACGTGCTTC-----CCCGCCCAA-CCAGGCCGTTACAGGCG-----GGCCTTCGGGC 3233							

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Majority	TTGATGTTTTTTCTTAACAGTATT-GTCGTTTTATGGTCCTGTGGGGGA--AGTGGAAGCTCTATTTTGTTTATTTTAT	
	76330 76340 76350 76360 76370 76380 76390 76400	
Human	TTGATGGTGGTGAACAGCAGTTTGAAGTAACATTGTGCGGTGAGGTAG-AGTGGCACATGATGCATCCTTATTCTTAC	76189
AsianBonytongue	TGACTTTTTTTCTTAACAGCATT-GTCACTGATGTTCTGTGGGTGT--AAAGGTAAGCTCACTTCTGTTTATGTTAA	3908
Reedfish	TCATGTATGTTTTGTTTATAGAATATGGCGTTTGAAGTACAGAAAGTAAACTGTGACATGTTTTAACTTTTTTATTTTTT	33932
NorthernPike	CAAAGACAACTTTATTTCCCGCAAT--TTATTTGTGGACTCATGGCCCCACGGGGTGTCTGTGTTTTATCCACTCTAT	8075
SpottedGar	CTGTCCAATAGTTCTAAGCCCTGTA-GTTCACATGTTCCCTGTAGGAG---AATGATGAGATAAAATTTGGGGAGTGTGT	7330
ParamormyropsKingsLeyae	TTGATGGA---TCCTTAACGCATCG-GGCGTGTACGGTCCAGTGATGCA--CGTAGGCAGCTCGACATCGCTTTCTTAA	3307

Majority	AAATGTAGTAAAG-AAAGGTGTAAGATAAATAGCTTTTCAAAGAG-TTCTGTATGTTTGAT---CGGATTTATTTGGTTA	
	76410 76420 76430 76440 76450 76460 76470 76480	
Human	CTTTGAGAAAAAGTTGAGGGAGACCAAAAATGACTTTTTGAGGGAATTGTAGAAGTTTCATTAGAAGAAAAGTAAGTTTT	76269
AsianBonytongue	AAAGAAAAAAA--AAAGATGGAAAATAAATAG-TACATAAACAG-TAATGAAGGATTGAC---AGATATCATTAGTTA	3981
Reedfish	TTATCTCTCAAAA-GGCTTTGGATGGTCAGAATATTTACAATGCT-TGCTGTACATTA-----CGCATTGACTTTTCAA	34004
NorthernPike	AAATGTTGTAGTGATAACACATTTCCAACAAAAGCATTTCAAATAAAATGCAATGTTTGGT---AGATTTTTCTTATCT	8151
SpottedGar	AGCTCTAGCTGAC-AAACGTGTAAGCCATACAGGTGCCCAACAAG-TCCTACAGGCCGAA---GAGACTGATGAGGTCA	7405
ParamormyropsKingsLeyae	AATTTACGTTTTG-ACAAGTGTATGCTTGCCT---TTCAAAC---TCCTGTGTGTTT--C---CGCCGTGTCTCGGCTC	3375

Majority	TACTTGTTTAGTTAAATTTGGA-AATATGTATATTTGAATATTCGTGA----GTAGGACTAGAGTTGACTG-ATTACTTA-	
	76490 76500 76510 76520 76530 76540 76550 76560	
Human	TAATTA AAAAGTTAATCTGAGGAACAGGTAGAATAAAAGTGTAGTTG----TTAGTGGTAGAAGAGAATGGATTCCATA-	76344
AsianBonytongue	CTCTTAGTGAGTGAAATTACA-GAATTGTGGACGGGTTATTTGTGA----ATGGCAGAGCAGTTGCTTG-ATTAA--A-	4052
Reedfish	AACTTGTGAATTTAAATGTGA-AATACAACATGAGAAAAGCCGTGACTATACACGGCCAGAGCTTCTGCAGGAGATG-	34082
NorthernPike	TACCGGGTTTTTAACTAACATGTATCCTTATTTGCAGCAGTGACTTGGGGAGTGATTTGGATAAACTACATTACTCAT	8231
SpottedGar	TACTTGCACAGTCTGGTAGT--GCTCAGCAAGTTGGGATCTACTCGA----GAAGTCTAAAGCTGACTA-ATGATCCA-	7477
ParamormyropsKingsLeyae	GTTCGTCTAACCGCATCGGA-ATCTCTTATATTTGATCACGCGCAG----GTTTGACATGACATAGGCG-GTTTCT-A-	3447

Majority	GTCCATCATAAGTGGCTAAACCTGTAGTTTT---TGTAATGAGGTTTTATTTATTCATAGTAAGT-TAAAGGTATATTT	
	76570 76580 76590 76600 76610 76620 76630 76640	
Human	GGGCAAAATAAGAACTCAAGGGAAGGTTGGTGGAAAGGGAAGGAGATTGAATTGTTTCAAGAAAGAAATAGCAGTTGTCAT	76424
AsianBonytongue	AGGCAGGACAAGTGGTGATAGTTGAAGTCA-----GTGATGA-----AGCGAATGCACAGTAGGT-CTGAGGTACAGGA	4120
Reedfish	GGCAGCCAGCTATAGATCCATCTGTAGCTGCAGCATTTAATAAGGATTCGTCTCTTCTTGGTAAGAATCAAGGTATAATA	34162
NorthernPike	ATACATTATGGTTGCCTACACCTTGGGATTTG--TTCTAGCAGCCTTTTAGTTACCTGTCATGTGGTCTTACTGCTGCTT	8309
SpottedGar	ATCCAGCAAGAATGACTCAACCTGTACCCTT---TATAATGTCTTTTAAATTTTACAAAAATAAAC-TAAAGGTATATTT	7552
ParamormyropsKingsLeyae	CTCAGTCCCACGTGACGGAGCTGATTTTTTT---CGTCATAT-----TTGGCATAACAGACTTAGT-CAAAGTAACGTG	3517

Majority	TTTTCTTACCAGT----TTTTAAATGTTATATTTAGTAATGTATATATATGCTTTTTTGTTTATTGCATGATATCTGTGTT	
	76650 76660 76670 76680 76690 76700 76710 76720	
Human	CCTTATGAAAAGTAAAATTTTTATTTTCAAATCAGGAAATGTAATAATGTGCCTTCCAGACCCCTTGGTGGTATACATGGG	76504
AsianBonytongue	ATTCCTTGAGAGC----TTTTAGCGGATATTTTTGTTGTGTATAGAACATAAATTTGTTTTTTGTATGATATTTGTGTT	4196
Reedfish	ATTTTGTTCAAA----TATTAATGTTAGCATCAGAAATGTTTAGTAAGTGATTTCTATTTTTACTTAATAACAGTATC	34238
NorthernPike	CCAGCTAACCTGTGTAATCTAAATAATAAAAAAATAGTTGAGATGAAGTCTGATTAATCGACCAAGCTATGTTTGTA	8389
SpottedGar	TCATCTCGTTTT---TTTCAAAGTTATAGTTTATATGTTATGTTATGTA-TAGTATTTATGGCAAGGTATCCGTGCA	7627
ParamormyropsKingsLeyae	TTTTCCG-----TTACAAAACTA-----AATGATTTTGTTTTTCCCTGTT-ACAGCAT--TGTCAGTGAT	3576

Majority	ATTTCTGTTCTAGAGTGTGGAAGGTGTTATATATATCT-CGTACTATGACCTAATACACAGCAAGGATAGTAATTACCTC	
	76730 76740 76750 76760 76770 76780 76790 76800	
Human	AGATTGGTCTTAGGACACACAGTCCCATCCCCACC-----CTCTGACCCCATACACCCCTGGATACTCAAATCCAC	76579
AsianBonytongue	ATTTCTCTTCAAAGTATGTAAGAAGTTATTCATAAAC-CGTACAAGAACCTAGCACAAAGCAGGAA-AGCACATGCGTT	4274
Reedfish	AGTCCATTTAAATACTGTGCTGTCTCTTTACATTTCTTTGAAGTATATTTCTAATTTACTTTAATGTAAGGGGTA----	34314
NorthernPike	GTTTCATGACCTGGTATGAGGCTGTTCAATGTATCTTATTTGAAGGGCTCACATTAGAGCAAAGTTATTTGTATCATG	8469
SpottedGar	ATACATGTGC-ATAATGTAGCAGGTATCACATACACATGCAACAGTCACATAAAGCTATGAGTGTATAGTAAGCAGCTC	7706
ParamormyropsKingsLeyae	CTTGCTGTG--GAGTG--AAGGTAAGATTTGTTCTCT----CTGTTGCATCACACATAACGATTGAAGTAATTA----	3642

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Majority	TGTTATAGATGGTCTTTGTGT-TGATTTGTTTAGTTTTTTTTTTTCAAGTTTACATATTCCAAATGTTTAATTGAATGT	
		76810 76820 76830 76840 76850 76860 76870 76880
Human	TGATGCTCAAGTTCCTTGCAT-AAAATGGTATAGTGTTCATGTGACCTATACACAACCTCTTATGTGTACTTTAAATC	76658
AsianBonytongue	GGTGTTAGAAGAGCTTCGT-----ACATATTTGACAGTGTTTAGCAAGCTTGATAAGGCCCTAGCATGCAGAGAAATGC	4349
Reedfish	---TATATCCAGTTTCAGTGT-TGGTTTATTCCATTTTTTTTTTTAAAGAGTATACTTTCCATATTTTCAAATTTATAA	34390
NorthernPike	TGAGAATGGTAAAGCCAAAGAAATGATTGGCACAGGCAATTCGATTAGGTCGGCTATACCACAGTCTTACATTGAAACA	8549
SpottedGar	ATTTGTACAGACACTTCATCA-TGATCAGTCCAACATTTTTATTACAATATAATTTTCAGAAAAATTTAAGAGAATGT	7785
ParamormyropsKingsLeyae	-TTATGGATGGATTGTGTC---GTTAATGTAGATGCATTATTACTGT-TCACTTACTACCAAATGCCAGACTGAATGT	3715

Majority	TTAAGT-TTT-TTTTA-ATTACAT--TATACAG--TATGCATATTTATGT-A-TTATTGATAGTTCGTTTTAAGTACTG-	
		76890 76900 76910 76920 76930 76940 76950 76960
Human	ATCTCTAGATTACTTATATTACCC--AGTACAA--TATAAAT-GTTATGTAATGGTTGTATAGTGTATTGTTTAGGGA	76733
AsianBonytongue	TCA-----TTCA-ATGAAAC--TTTACC---TCTGCGTAGTTATGC-----ACTGACACTAATAATGATGCACTG-	4408
Reedfish	TTAAAATTTGAATTTATATTAATAAGTAAACATT-TATGCAAATTAATTTGA-ATATTGATTAACAGTTTTGAACACTT-	34467
NorthernPike	GTAAGGCTTTGTTTGCATTGCACCTTATAATGCGGAAGACTATTTGTCTCTCTCTGACTGTTTCGATTTTACTGTTG-	8628
SpottedGar	TGAGGTGTGACTTTCA-ATACGGT--TTCTCTA--TATGCATTTTTTGTTCATATTGAAAGTTCAGTTCAAGGATTG-	7859
ParamormyropsKingsLeyae	CTA-----TTG-ATGCTTT--TAAGCAGT-CCTGCTTTTTTGCCT-----GTTGCAAACACC-TTAACATCCCG-	3774

Majority	-TAATTTCTAGTATAGCCTGT-GTATATTTTCAGTACAT-ATTATTTTAAACCATAATATTATTGATCTTCAATTTAGTTT	
		76970 76980 76990 77000 77010 77020 77030 77040
Human	ATAATGACAAGAACAACCTTTCTATACATTTGCAGTACACCATTGTTTTACCCCAAATATTTTTGATCCAAGGTTGGTTG	76813
AsianBonytongue	-TAATTTATACTATAGCCTGT-GTAAAT-TACAGTACAT-ATTAATTTGGACCCATTGTATTGTTTTTGGTCATCTTGCC	4484
Reedfish	-TAACTACTAATTTGTACTGT-ACATGTTTTTTTTATAA-ATATTCAAATTAATCTGGATAGTGACCTTCACAAATACA	34544
NorthernPike	-T-GGTTTTAAAAC-GTTTCTTGCAGATTGGCAGGACTATTAAGGGGAACATACAACTGATCATCAGTAATGAAGTAT	8705
SpottedGar	-TAACATTTCTGT-GCATAT-GTCTGTCTTCTTCCAT-CTTTGTTCATACAAGGATAGAAGTTCAGCTTACAGAGATG	7935
ParamormyropsKingsLeyae	GGTGGTCTAGTACAACCTG--ATGGAT--ACAACAGAT-GTTATTTTAAAGCACAGTCTCACC--TGTTGAGTTTACTT	3846

Majority	CTTAAAA---C-GAAAGAAACGGCGTACAGATAATCC-TTCAGCATATAAATTTA-AGATATGTAT-AGTGTAAATGTG	
		77050 77060 77070 77080 77090 77100 77110 77120
Human	AATCGGAA--CCCAGAGATACAGAGGGCTGACTATAC-TTTAAGAATTAGAAATTA--GCTGGGTGT-GGTGGTGGGTG-C	76886
AsianBonytongue	CCTGAAA----GAAGCAAACGGGTAAGATGTTC-CTCAGTTTTTAGATTTA-AAAAAAAAA-AAAAAAAAATA-G	4555
Reedfish	CTTAAAG---CAAATGGTATCCAATAAAGATATTGTACTGAGCACAAAAGTTGAAGAATGTGTATTAATGATAAATGTG	34621
NorthernPike	GCTAACT-----ATGAAACACTGTTCAAATAAACCTATCCAATCAGAAAATGTTTGTACAGAA-AATGCGGTTTGTA	8777
SpottedGar	CATTTAAATTTCTGGGAGAATCGGCCTTCATGCAATAC-TTCAGCAAATATTTTTA-ATACATGTAT-AGCATTAAAAATG	8012
ParamormyropsKingsLeyae	CTTAAAGA-----AAAGGCATCTAATGCTTAATCC-TGCAGAATGTGATATGCAGAAATGTTT-GGAGTCATGTGAG	3918

Majority	CTATTGTGTTTCATCCAGAACATCTG--TTCAACATATATTTAT-A--ACTGGATG--TGATGTTGCACTTTAGGAAAG	
		77130 77140 77150 77160 77170 77180 77190 77200
Human	CTGTAGTCCCAGCTACTCGGGAGGCTGA-CGCAGGAGAAAGGCGTGAACCCGGGAGG--TGGAGCTTGCAGTGCAGCCGAG	76963
AsianBonytongue	TTTTTGTGTCCATGTCCGTAACA--TA--TTCAGCATTGTCC-----CTGGATA--TATAATTGCTCTTCTAAAATG	4622
Reedfish	AAATATAGTAATAATTAATAACATTTGG-TTCAAATTTCAAATATTACAATTTAAGG--AATGGGTGCATTTTAGGGAAC	34698
NorthernPike	GCATGGATTAGAGATTGAGATTATCTGATTGCGACCAATTTCTTTTATTACTTGATAATTCTCACAGTTGCTGGGAAAA	8857
SpottedGar	CTATTCTATTTCTTCCAAAGCTACTT--TTTAACACATAGGTAT----ATTGATTG--TGTGGTTATACATTAGAAGGG	8084
ParamormyropsKingsLeyae	ATATGGAAATCAAACCCGCATA-CCT--CATAACCTTTAATTCT----GCCGGTTT--AGGAAGTACA--AGAGGATC	3986

Majority	TTTGTGTTTTTATAGTT--GTTTGATC-CTACCTAGACAATTTGTGTTTGAATAAATTTATTTGTGGTTG-----TAATT	
		77210 77220 77230 77240 77250 77260 77270 77280
Human	ATCGTGCCACTGCACCTCCAGCCTGGGCGACAGAGCGAGACTCTGTCTCTAAAAAAAAAAAAAAAAAATTAGAAG-GGGCT	77042
AsianBonytongue	TCT---TTATTTAAATTT--GTTTAAAT-TTACCTGGA-----TTGGGGTAAAGTGTACTTGT-----TT	4674
Reedfish	CCTGAAATTTTCTGCCT--TTTTGATCACTGCCAGGACATTTAGTGTCTTGATTTTTTTTTTTTTTGGTTACCTGCTACCT	34776
NorthernPike	CTTGAAATTTTACAGGTATCTAAGACTAGTCCATAAACAATTTCTGTACCAACAGAATACAATACATCAGTGTCTTCTATT	8937
SpottedGar	TTTGGGTCAATGTAGTA--AACTACTA-CTGCCAAGAAGATATTGCCTTGAACAAACCTACCAGTGAAG-----TAATT	8156
ParamormyropsKingsLeyae	GTCTGTATTTAAAG----ACTTAGTC-CTACTTAGT-----AGT---TCTGTG-----TT	4029

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Majority	ATTTAGTGTTTTT-TGCTGC--ATTTTTT-----TGGCTTGTCTTCAGAAGTTT--ATCCTTAGAA--G-CT-TTA								
	77290	77300	77310	77320	77330	77340	77350	77360	
Human	GTCAGGCGTGGTGTCTCATGCCTATAATCCCAGTCATGCCTGTAATCCCAGCACTTTGGGAGGCTAAGGTGGGCATATCA								77122
AsianBonytongue	GGTTACTGTTAT---TGCTGC--ATTCTTT-----TGCTCTGTTTTTCAAAG-----TCATA-----T-TCA								4726
Reedfish	ATTTAGTCCCTTTT-TGCTGC--AGTATGTGGAAGAAAATGTGGTTATCAGCCACATTGAATCCTTGAAAAGCCT-GTG								34852
NorthernPike	ACTATGTTTTTTTTAATTTGTCAAATTGTT-----TTGCATTCCACTCACATGAGTGTGATCTATAATCAGGTAACACA								9011
SpottedGar	AATGACTGATTTG--TCTTGC--GATTCTT-----TGACTTGGCTAATTAAGGA----GTTCATAAAA----CT-CTA								8217
ParamormyropsKingsLeyae	ATGCAACGTTGTT--TACCG-----T-----TGGCCTAACGTTTGTATATT---AGCCTTG-----GTG								4078

Majority	CTTTTG--TCCTGGTTTAAAGAAGTGT--TCTGT---ACTT--GTTTACAC--ATTTTATTAATAACACTAATGTCA----								
	77370	77380	77390	77400	77410	77420	77430	77440	
Human	CTTGAG-ATCATGAGTTCAAAACCAG--CCTGGCCAACATGGTGAACACTGTCTCTACTAAAAATACAAATATTAGCCA								77199
AsianBonytongue	CTTTC-----CTGATTCATAAATGT--TCTA----ATTT--GCCTATTT--GTATAATC--TGCTTTAATGCCA----								4785
Reedfish	GTGTCT-ATTTGGGCGTGGGAAGTCTCTTTTAAAGATACTTTAGTTTATGCCCATATTACCAGCCACACAAAGCTCAATT-								34930
NorthernPike	CTTTATTGTCATACAAAATAAGGGCGGAGCATGAAAATGGGGTCCCCGCCAAGGTAATATTAAGAGTAGGATTG----								9087
SpottedGar	ATTTTG--GCAGGTGCAAGAAGGGT--TCTGC---ACTT--GTTAAGAG--ATTTGGTT--TCAGCT-GATGCCA----								8278
ParamormyropsKingsLeyae	CTGTTG--CCTGGTTTATGAA-----TTTGT--AGTT--GCTCACA--ATGAAGTTCATAACCCCAAT-CCA----								4137

Majority	--TATAGGCTTTGGCGTTTC---ATTTTTTACTTATTTTCGTTGACCACAGAACAGTTGT--TTCAACATATGT----AA								
	77450	77460	77470	77480	77490	77500	77510	77520	
Human	GGTGTGGTGGTGGGCGCCTGTAATCTTAGCTACTCAGGAGGCTGAGT-CAGGAGAATTGC--TTGAACCCAGGAGGTGGA								77276
AsianBonytongue	--TTTAGTTTTTCAAATTT-----TTCACAACATATTTCTGTAATCAGATGACAGCTGT--TTCAAATAAAT----AT								4851
Reedfish	--TATTAACACTAGAATCCCTGAAGCTTATGATTTTTTTTTGTTGTCCTTACCTATTTTT--CCTGACATATGTCAAGAA								35006
NorthernPike	---ATAGGGTTAAACTGATTATGACTATTATGCCATTGTATTAATAAACAATTATAGCAGTACAACATCAGTAACCTG								9164
SpottedGar	--GGAAGGCCTGTGTGTTA---ATTTGTTACCTCTGTC-ATATCCACACAGCA-CTGT--GCCAGAATGT-----								8340
ParamormyropsKingsLeyae	-CATCAGCACTGACCTTTC---ATTTCTCCGGTATTTTC--TGAAAACCGAAGTGTCCC--GTTGACATCC-----								4199

Majority	GTTTCATCACTGTGCTGAGAGGCTGTT--TATATTGCTAT-TGTGT--TTTTTTGTAAGTCAGTTTGTAGAGGAAAAACA								
	77530	77540	77550	77560	77570	77580	77590	77600	
Human	GGTTGC-AGTGAGCTGAGATCATGCCATTGCACTCCAGCCTGTGTGACAGAGTGAAACTCCATCTCAAAAATACAAAAG								77355
AsianBonytongue	GTTACTTATTTAGTTAATGGGCAGT---ATCTTGTAT-TGTGT--CTCTTGTAACTCATTTTTTTTAGAGGAAAAAC-								4923
Reedfish	GCTCATAGCTGCGCTAATAATCTTTTTTTGTTTTGCAAA-TGTGTGGTTTATCCGAACACAGCTTGCTACACCCCTCAGCA								35085
NorthernPike	ATGAACCACTGTTCTTGGTAGTAGTG---ATATTCTGTTTGGCAAATAATGGACTTGTAGACGTAGAACAGGAGAAAA								9241
SpottedGar	-TTGATGATTGTGTGAAAGACTGCT--CACAAAGAGAT-TGAGT--TGATAGTAAAGTCAGTGTAGGGTAGGAATATCA								8414
ParamormyropsKingsLeyae	-TCGTCACCGGCACAGTGGCAGTGG-CTCATTTTCTC-TGTGT--TTTATAATAAGTCTGTTTTAGGGGGTTGTAAT-								4272

Majority	ATTTTGT----CTTTACATCCCCC--CATT-----GACGAATACATAAGTCT--ATAA----AGATTATA								
	77610	77620	77630	77640	77650	77660	77670	77680	
Human	AATTAGAAAGGGCTTTAGAGTCCCACCCTAATGCTCTTCTGTTTCAGTAGTACACAAGACTA-ATAACTACGAGATGTTA								77434
AsianBonytongue	-TTTTTT-----TTTT-----CCCCAC--CATT-----AGCGATAAATAATTCT--TTAA----AGTATATA								4972
Reedfish	ATTCCCC-----CCCCCCCCCTCCCCCTTTCATTCA-----GATGAAGGCATTGCCCTG-ATGC-----AGTCCTCA								35145
NorthernPike	AGTCCCATCTGTCATGACATCCACCCTGCTTGTCTGAGTAATTGACTCATTTCATTGAAAAGGCATGTTCAAATAACA								9321
SpottedGar	ATTGTGT----TTTTAAATATCTACC--CATT-----GTTTCATCATATAAAGCT--ATAA----AGATTAAAG								8469
ParamormyropsKingsLeyae	GGGTGT-----CTGG-----AACGCACCTGGAAGTCA--TTAA----AGCTGAAG								4311

Majority	TGATT----A-TTCAGGTATA-GCACTAAAGCTTATAA---ATTACTTCGGATGG---T-TATATTGGCAATGTGATA								
	77690	77700	77710	77720	77730	77740	77750	77760	
Human	TGAACAGGAAAAGAAGTAAGACCAAAAGAAATCATAA---ATTACTTTGGATGGAACTTTTAGAATGGCAGATGGAGG								77510
AsianBonytongue	TTTTT-----TTCAGTT-TA-GCACTGAAGCATTTA-----TTTCAAATGA-----AATATTAGC--TGTGATA								5027
Reedfish	CAGTTCAACAGTTCAAGTCTGTGCAGAAGTGTATGTGGCGATACGTTTGTAAACA---TTTATATAGGTAATGAAATG								35222
NorthernPike	ACAGTGTGGAGTTAAGTAGA-GGATACAGTCATTTGGTGGAGAAAAGTGGTGTCAATTAATTGTCCATTATCAAGGAAGAA								9400
SpottedGar	TCAAT-----TTTAGTGTATGGAATAAAGCATATAAGCCTACTGCTCCTCATCG-----TGTTTTGACACTGTTATA								8537
ParamormyropsKingsLeyae	CGGGC-----TGCAGATATC-CCCCTTCATTTTGTGTA-----TTTCAGGGC-----TGTAGCCTTAAGGCGATC								4368

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Majority	GT---ATTTTAATTA-----TTTCACATA-----CGT---AAATGAAATGTCTCTTTTATAAAAATAATATGATTGTATTC	
	77770 77780 77790 77800 77810 77820 77830 77840	
Human	GATAAATTTGACATTGTTCAAATCATAGAGTAACTCTCAAAGTAAAGGGGAACCTAAGGAGACAAGATGATTAATGT	77590
AsianBonytongue	-----ATGTAGAGTA-----CTGCAGCAA-----AGT---AAGGAAAATGTCTGTTAATAAACAGCATCTTCCTATTA	5088
Reedfish	CTGTGATTTGAAATGCATACATTTTCATGTGTGGTCCGT---ATCTGCAATGATCTGTGTAAATATAGAATGACAGAGGAC	35299
NorthernPike	GA--GATGCAAATG-----TTTCACAAA--A--TGTC--AAAAGATATATTCCTTCTGAATTG--TCCATTCCAAAC	9463
SpottedGar	GG---ATTTTCACTA-----TTTCACCTG-----CTT---TATTCATTGTCTTTGGGCAAATAATATAATTTTGT	8600
ParamormyropsKingsLeyae	GT---GTTTTGATT-----TATCACAGA-----CGT---CAAAATCGGGGGGTGATAAAGAACAATTTAGTGGGATTC	4430

Majority	ATTCTTTGATAGAGTTACTTAATACATTTAAACTTTGGA--GATTGGGGGTATTTTGTTCATGGACTCACGATTGTGAAT	
	77850 77860 77870 77880 77890 77900 77910 77920	
Human	AATAGGAGATACTGGAACAACAAAAAGGGACATTAGATGCAATTTGAGGAAATCTGATAATGGACTTTTGTGATTTAT	77670
AsianBonytongue	AAGATGGAAGGGTTTGA-GTGACACATCTTTGCTTTCCA--GATTGGGACAACATAGTTC---ACTAATGATTGAGAAT	5161
Reedfish	ATGCAAGGCAAGAAATGCTGAAACATCTAAAACAGAAAATGTTTTCATATGTTATATTTATAATGACACAATTTTGACA	35379
NorthernPike	ATTGTTTGGAGGAGCAACTTAAGTGGATTAACGCTTGA--TTGGAGGGGAAAATGTATAAAGAAGTGCAGCAAAGTAT	9540
SpottedGar	TTTTTTTACTCACCTCACACAATTGCTTTATCCTTTAGG--GAATGTGTATATGTTTTTCCAGGACTCAGAAAAGTGAAT	8678
ParamormyropsKingsLeyae	ATTCTCAGACAAAACAGGCATCCAATTAGAAAAGTGA--GATTGCAGCGCCCTGTGC---GCACCCGTCCGTCCTG	4504

Majority	CTAATGTAGCTGTGT---TCTTAGCTTAAATTTGTT-GCAATTTTCGTA--ATGCTGCTTTATGCGGATAGGAGGG--	
	77930 77940 77950 77960 77970 77980 77990 78000	
Human	CGA--TATTGGTTGATTAATTGCAAGAACTAATAAATT-GTAATACCATAC---TAATGTATGATGCTAATAATGGGGGA	77744
AsianBonytongue	CAACTGCTGGCAGGGT---TCTTAGCTTAAATTTGTG-ACAATTTTG-----CTCAATGGAACAGGAC---5222	
Reedfish	CAAAGTGAAGATGTGTGAACTGAAGCCAGATATCCAAGAAACACTTTAACAAAATGTGTAACACAACAAGGATGTTT	35459
NorthernPike	AGGATGCTTAGCTAAAA-----TTATATCAAATGCTTT-AAAGCAGCGACAAAAGCTGAAACACCGGATGAAAACG-A	9613
SpottedGar	CTGATTTTGAACCTTGCA--TCTTGGTTTAAATTTGTTTGCACGTTTGAATAGATGCCACTTTATGAGGTTAGGAGGA--	8754
ParamormyropsKingsLeyae	CTATCAGTCACTTTTAG---CATCGCCCTGAGCGGGTTCGGCAGCCGCA-----CGTTGTCTGGGGAGGAAG---4567	

Majority	--AGCTAATGCTAAGTTAGATAAGA-AATTGTCTTCTCTGTTAATATGTTG-TAATCCTCAGCTGT----AATAGATAAA	
	78010 78020 78030 78040 78050 78060 78070 78080	
Human	ACTGCGGTTTCCAGGTTATATAAGA-ACTCTGTAATGTCTTAAATTTGTTTGTAAATCTAAACCTTTTAAAATAGCTAAA	77823
AsianBonytongue	----CTAATGCTAATTAACACAAGA-AATGGCATCATCTATAAATA---A-CGATTGTTGGGTGG----AAAAAT---5285	
Reedfish	TTGTTAAAGATTAATAATCGAAGAAA-AAGACACTGCTCAATTCACATATTGTTGAAGCCCAACTATC---ATTCTGTA	35535
NorthernPike	GCAACTACTGCTAAAATTAATAGAAGAATTGTCAGAATGGCCAAGATGCAGCCAGTCAACCTCC--AGAAAGATCAG	9690
SpottedGar	--AGCTGAAGCTAAGCCAGGCTTGA-GGTATTTTCACTGTGGATGACTG-TAGTCTTTAGATGT----AAGAAGTGAA	8826
ParamormyropsKingsLeyae	---GGAGGGGGGGCTTCCGATAA-AATTGGCCTGGCTGGTAATTT-----GACGCATCGGGCAT----GCGAGAT---4630	

Majority	AAATA-AACAATATTTTCTGGATTGTGTTATTACAGGTTTCT-TTT--AACTTATGTTTTTATGGAGAGGTTTTTTTATC	
	78090 78100 78110 78120 78130 78140 78150 78160	
Human	AATTATAGATACAATTTCTAAATGATTTAATTAACAAAACAGTTTAATCTTCAGTTGAAATGAGCAAGGTTAGGGATA	77903
AsianBonytongue	-----AACAGGGCTTTAAGGATCATTCTAAAATAGGGT-----GAATTATTTTGTATAGAGAGATTTGAGTCTC	5350
Reedfish	AAAGTAAATGATATTCGCATATGTGTGTTTTGCGTGTTCATTTTCAACCAGTTGTCACAGTGGTAACACTGCTCCATC	35615
NorthernPike	GGATG-ATCTCAAATTACCTGTGAGTGTGTACAGTCA-----AAAGACGTTTGAACGAAGCGGAGTTATCAGC	9759
SpottedGar	CAGTAAAACATTTTTTTCGAAACGTGCTATTACAAATCCCTATTTTCAGTCTACGACATTTTGAAAAGTTTTTTTTTTC	8906
ParamormyropsKingsLeyae	-----TAAAACAACATGGCCTGTGTT-TTATGCGCCTGTCTC-----CTCTGCTTTTATGGACAGAGTTGTATTTTC	4695

Majority	ACAGATCTGCTTTTTTGGTATAATGTCTCATG-TC----CAGAATTCATATTGTAGTATG-TATTACTCCTTCATTGCC	
	78170 78180 78190 78200 78210 78220 78230 78240	
Human	CC---TGTGTGTTTC-AGTGTAATATCTGAAAGGAAA---AGAATAGATAC-ATAATTTA-TACTACTTCTCTCTGGACT	77974
AsianBonytongue	ACAAGTCTGCTTATTTGGGATGCTAACTCTGG-TC----CAG--TCCAAATGTAGTAAA-CAGAAAAATGCTTTGCAT	5422
Reedfish	ACAGATCTGCGCAAATGTCACAGTGAATAAGCTTCAGTTTGTAGTAACTTTGAGATAATAGG-TTTTAAATCCCGCATTGCC	35694
NorthernPike	AAAAAGCCCCATTGCTGAAAAAATGGCATTTG-----CAGAAT--AGGTTGAACCTTTGCCAAGGCACATTGATGGCC	9830
SpottedGar	CCAGAAGTCTCTTTTTCATGTAACATCTCAAATG---CGGCATTCACAGTAGCAAAATTTTGTGTTTCACTACAT	8982
ParamormyropsKingsLeyae	AC---TCTGTCCAAT-AGGATGCTGCGTCATG-----AG-----AG---AGTATG-CCTTATTCTCTGTGTCAT	4752

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Majority	TCCC	G--T	-TAGTC	GT-TAC	CTTACT	GAGCTT	CTCTAT	TTG-TATT	GTTGAG	GTCTTT	TTAAGAG	TG	GT---	TTTAATA
		78250	78260	78270	78280	78290	78300	78310	78320					
Human	TAGGGTCTCTTGTTCATATACATGACTGGGCATCCATCAGCTTCAGTGGAGGAAAGGTTAGGAATAATAGTGTCAAACTA 78054													
AsianBonytongue	TCC-----TCGT-TACTGTACAAAGCTCCTGTGTG-TAATGCAGAG-TCTTGTAAAAG-----TA 5475													
Reedfish	CTGCA--TTTAGTGCT-TTGGGTAGTGACCTGCTATTAT-TATTGTACTGTATAATAACATGTT-TGATGAGTCTATTA 35769													
NorthernPike	CAAAGAG--AAATGGCGTAACATACTGCGCACTGATGAG-AGTAAGATTGTTCTTTTCGAGTACAGGGGT--CGTTGACA 9905													
SpottedGar	TCCAAAGTTAAGCTTT-TGCCTCTGTGAAGTCTATCTA-TAATGTGGAGCTCATACCAATGGGC-TGTT---TCTATA 9056													
ParamormyropsKingsleyae	TCCC-----TCCC-ACCCCATCAAACCTTTTCTTTT-TGTGGTTCCTCATTTTCAGAGAGGC-----TC 4809													

Majority	ATATGG	-AGTT---	GATATCA	ATGAGTT	-CTTAT	TCTAGCTT	GGGAAC	AGTTT	TGATGAG	GGGAT	TGTACAGT	AGAAATT
		78330	78340	78350	78360	78370	78380	78390	78400			
Human	ACATGAGAATTTTAGGAGATTACTGAGTCACTCAAATGTCTGGGTGACCCAGCTGATGAGGGCCATTTCACATGAAAA 78134											
AsianBonytongue	AGCTGC-AGTA---AATACCAAATGTTGCTTGTCCAGCCTCAGAAATGGTTTACAGTG--TTGTATAGTAGTTA-T 5547											
Reedfish	GCGCAGTGATA---AGGAGCTACGAGCTTCTGGCATATGTTAGAAAAACTTGAGGTCAGGGACAGTG-GATAAAAATC 35844											
NorthernPike	GTACGTGAGAC-----GACCCCGGGTACTGAATTCAGCCACAGAACTGGAGATGAAGGATGGTAGCGCAACGATC 9979											
SpottedGar	ATGTTG-AGCT---CATGTCAATGGGCT-CTTTCTTTACTTTGAATTAGTTTTCATAAATTCATGCAAGTGGAGCT 9130											
ParamormyropsKingsleyae	AGACG--AGCT---GCTGTGAGGAGCC-ACTACACCAGTCCGAGCACTGGTATGAGTGGGA-TTGTA-ACTGGTAAGG 4880											

Majority	ATTGACT	GCTGG--	TTT--	TTCTTA	ATTTACT	TATTTG	AATAA	AGTTTTT	--AAA-	TAGTTTT	ATTTTTGT	-----
		78410	78420	78430	78440	78450	78460	78470	78480			
Human	GATTCCTGCAACACCTTCTTTTCTTTAGCACATGATCGTTTATGAAGCTCTTTTACA-TTGTTTTATCTTTAT-----AG 78208											
AsianBonytongue	ATAGTTCAATGG--TTT--TTACTAATTTACATATTTTAAAG-AGTAGGT--AAA--GGTCTATTTTGGG----- 5611											
Reedfish	ATAAACTTAAGGCATTTAGTGTAAATTTACTGTATCATCAATACATTTACCAAAAATAGCTTTGTTTTATTCATAAT 35924											
NorthernPike	GTGGTATGGGGATGTTT--TTCATACTATGGTATGGGCCATGTTATCCTATACCGGGGAACATCAGTTTGAATACGTC 10057											
SpottedGar	ATTAATGACTGA--TTTGTCTAGTGGTTCATTGACTTGATAATTCAGTTTTT--AAA--ATTCAAATTCCTG----- 9196											
ParamormyropsKingsleyae	AGGACC-CCGT--TTT--TCCTCGATGGGATATTTGATATTGATGTCTGT--ACATTAGTGAATTTGTGT----- 4946											

Majority	ATATGTT	CAGAAATAA	ATTAT--	TCATTT	GTTTTT	TATATGT	GGTGAT	TGAGTA	ATTCAAT	GACTTCT	AACATGG	CGGAGCAA
		78490	78500	78510	78520	78530	78540	78550	78560			
Human	CAATCCTCAGAAATAGATCAAGCTTTTCTTTTTTTTTTTTTTTTGGAGATGGAGTCTTGCTCTGTGCCCCAGGCTGGAGTGCAA 78288											
AsianBonytongue	GTTTATTCTGCATAAACT-----CTTGATGATGAATGTG-----AGTAAT-TAAGGACCTCTTA-ATGTCAAACAA 5675											
Reedfish	ACTTCTATGGCTTTAAGTCCAGTCCAGTCTTATTATATGTGGGATTTATGTTCTGAAAAACCCAGTGGAAACCGAAAC 36004											
NorthernPike	AAATACTT-GAAGAGATTGTGCCATATGCCTGAAGATGAAATGCCCTGAAAT--GGTGTTTTCAACAAGATGA-CAA 10133											
SpottedGar	GCATGTAGAGGAACAACCTTT--GCACTGTTAACAGATTGGTTTCAGAGGAATGCAAAGACTGCTCACATAGCAATTGA 9274											
ParamormyropsKingsleyae	ATATGTGCAAAATCCATGCAT--CCCTTGTATGTTACATCCATAAAAATAAAAGCTATGTTATTTCTAACATGCAAAGTAA 5024											

Majority	TTTGTGA	ATCTTGA	-TCTCT	GTGCAT	CCTT-----	CAGTCCA	AACATT	ATTTT	TGGCATA	AAA---	CTGACG	TAGCTTC
		78570	78580	78590	78600	78610	78620	78630	78640			
Human	TGGTGCATCTCGGCTCACTGCAAAC-TCGGCCTCCCGGGTTCGT-GCCATTCTTCTGCCTCAGCCTCCCAGTAGCTGC 78366											
AsianBonytongue	CTTGCAAATGTA--TTTCTGTGATATC-----CAGT-----AACAAAATTTTGGCACCA---TAAGACAATATT 5736											
Reedfish	ATGGTGGACCCTAT-TCTCTGTACATTTTGTACCCTTTACCATA-AACACACATTTGAATAA---CAGAAATCACCTC 36079											
NorthernPike	CCCCAACACACAAGCAAGTGAAGCAACGTCTGGTTCAGTCAAAAAGGATTTGGAGTGGCCTGCTCAATCCCCTGGCCTC 10213											
SpottedGar	GTTAATACTCCTG--GCAGTGTGCCACTC-----TAGGCCAA-AATATCATTTTAAAATAAATACTGACTGGTCAATC 9343											
ParamormyropsKingsleyae	ATATGAATTTTGGAGATTGTCATATT-----CAGCCCAA-GAGGTTACATGAAAAGAT-----ATGCAGATTG 5089											

Majority	ACCTCTAG	GTTAGAA	AGTGTGG	AGTTT	CAGTTT	CATTTT	TGTAGT	ATATTT	-TTATT	GTTGGG	-TTTCT	TAATAT	TTTT---
		78650	78660	78670	78680	78690	78700	78710	78720				
Human	TACTACAGGTGCTGCCACCACGCCAGCTAATTTTTTGTATGTTTAGTAGAGATGGGG-TTTCATCGTGTAGCCAGG 78445												
AsianBonytongue	ACCCTTTCCAAGAAATT-----TTCAGTCCCAGTGTAGTACAAC-TGCCTTTT-----CTTCACATTTCC---- 5797												
Reedfish	AGCTCAACATAGCACATTTGCACCTTAGGTACACTGGCAACATACTT-TCATTATCACTA-TGCTTTGCTATTTTGAAA 36157												
NorthernPike	AACCCCATTGAAAACCTGTGGGTGACATTAATAATACAGTGTCTGAATCAAAAACCCAAAACCTTCTCAAGGACTGTGCAA 10293												
SpottedGar	ATTGCTGGGAGAAAGTGTGACTTGAGTTAAAGGCATAAAATCAAT-ATTCTGTTGAGG-TATTTTAAACATGTT---- 9417												
ParamormyropsKingsleyae	CCTTCTTGATACTAAGC-----TT--GTCCCTGTCTGAGGCATTT-TGCTTGTTCAG-----TATTAGTCTAGAT---- 5151												

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Majority	---ATCACATTCATC-----ATTGCTTTACTA-CTTTATTCTAGATGCCA-ATATTTGTAGAA-----							
	78730	78740	78750	78760	78770	78780	78790	78800
Human	ATGGTCTCGATCTCCTGACCTTGTGATAGATCAAGTATTTTTATCCCTCTCATCA-ACATGTGTAACAGTTTTTTCCTC 78524							
AsianBonytongue	---ACCACAGTGAG-----ATTGTTTTG-----TTAATGTTTGATGCAC-ACTTTTATAGTA----- 5845							
Reedfish	TTTAATACATTTATCTGA---AAAAGTGATACACAGAGAAAACAGTACATGTA--ATATTTTTAGAACCTGGAGACTTG 36231							
NorthernPike	TGTAGTCCAGTCATCC-----TGTGCTGAAATA-CCGGTTTCTAGGTGCCAGAGTTGGTGGAC-----T----- 10352							
SpottedGar	---ACAGGATTTTC-----ACTACTTTACCTGCTTTATTCTAGGTTCCCT-GAATTGATGAAA----- 9470							
ParamormyropsKingsLeyae	--GTCACATCCAT-----ATTGGTGGAA---TTTCCATACATGGAG-ATATGACCAGGA----- 5200							

Majority	-CAATTTAAGTGCTTTTCTTAAACGTTTA---ACCTTTTTTAAATTTAAATAGTTTTATTTAAGAGTTTTTTGTAA							
	78810	78820	78830	78840	78850	78860	78870	78880
Human	ACATATCTGCTGCCTTAGCTAAAGATGCAAATCATTAAAGTTAAAAATTATAATTTATGTAGCTAAAAGTAATCTGTGTAGA 78604							
AsianBonytongue	--AGTTT---TTCTTTTTTAAACTTTT-----CACTTTTTGGAAAGCAAAATAGTTTTCTTTTT---TTTTTTTT--- 5909							
Reedfish	TCAACATAAGTCTCAAAGTGAAGTCATTAACCTCCATTGCAAAGCAGAAAGAGAGGTACCTTGGCCCTGTCACCAA 36311							
NorthernPike	-CGATGCAA-CGCAGATGCGCAGCAGTTATCAAAAACAAAGGTTATGCAACTAAGTATTAGTTAAGTACTGTTTCAGTGAA 10430							
SpottedGar	--AATTTAATTTCTTGGCTTTCAAGTTT-----GCCTTTTTTAAATTTAATGTAGAATTTTTCATGAATTCGCTGTTAG 9543							
ParamormyropsKingsLeyae	-AATGGGTGAGTTCTGCTGGAACGAT-----GTTCCAGCAAATATAAAGCAGTGTATATGAGGGTGTGTACTTAAG 5271							

Majority	G-AGG-----A-----TCACATGTTTTCCATTCTTTTT-----TTGCAGCGTTTTATTGGTTTA-							
	78890	78900	78910	78920	78930	78940	78950	78960
Human	GCCAGTGTATAC---AATATGTGTAATATGCTTTCTATAACTTTCTCAAAGGGCCC---TTGGTAAGTTTATTGTTTTCT 78678							
AsianBonytongue	-----TCCCTTTCC-----CCCTCCTC-----TCACAGGATCTACTGGTGTA- 5946							
Reedfish	AAAGGAAGGAAGGGAAGCAAAGAGCACATAGTGACCATTCCGGTTTAAAGTAGGAACAGTTGGCAGGGCTTATGAGGTTGA 36391							
NorthernPike	GTTGG-----AA-----CTAGAAGATTTGTTTCCGTTTT---A-----TATAGTACATTTTTGGGTTTG- 10482							
SpottedGar	GGAC-----TCACTGTTAAACATTTTTTTTT-----CTGCAGCTTACATTGGCTTA- 9590							
ParamormyropsKingsLeyae	-----CCAGGTGTT-----TGAACCGTGAATTCGTGAAG 5302							

Majority	AATTGAGGAAGGTTTC-TAGAATGGAGTTATTTTTTAACTTAAAT--TTATATG---TGTGT---TGTGATCTTCTGAA							
	78970	78980	78990	79000	79010	79020	79030	79040
Human	CATTTAGCTGGGAGTTAAGAACAGAACTATTTTCTAGAATGTATTAATTATATAAAATAGTGCATCATGAAATATTTTGTA 78758							
AsianBonytongue	AGTCGTCAAAGGTTTC-TGTCTGGAGTAACTTTATTACGCTCAAT--TTATTTG---TGGGT---TGTGGCCTTAAG-- 6014							
Reedfish	AAGCAGGGGAGATGGGTTGGACGAGATGCCAGCTCGAGTCCCATCC-TTGTACC---TGTCCACCTCTAACATCCCCCA 36467							
NorthernPike	AATTGAACAATGTC--CACATTGCAATTTTTTGAACAGCTTAAAT--TC-CCT---TCTCT---TTTGTCTCTGTGAA 10549							
SpottedGar	AATCCAGTAAGATT--TAGATTGTAGCTATATTTGACATTTAAAT--TTATATG---TGGGC---TCTGACCTCTG-- 9657							
ParamormyropsKingsLeyae	AATATGGGTCACTC-TCGAATGGGGTGCCAGGCAACAATTGAA--TAACGC---TGTGT---AATAATCTCACGAC 5371							

Majority	GGTCTC-ACATTTATTTTATTGTCATCCATAAATAG-----TGTAGCCTATAAATAACA-TTTG-TGTAATCTCTCTTT							
	79050	79060	79070	79080	79090	79100	79110	79120
Human	GGTTTTTATATTTTTATTGTCAGCAGACAGCATTTAGA-----TTAAACCTAAAAATACCTGATTGACAAAGTAGTTTTTC 78833							
AsianBonytongue	GGTCTC-ACATTTAATTTATTGTAACCATAAAAA-----TGTAAGCGATAAAGAACAATTTAGGGGAATTCGCTCAC 6085							
Reedfish	GGGTCC-ACTTTCTCACCTTGAAGTTCAGTAGTGATACTCCGCAGCTTCATACAGAAACCTTGTATGACTTTCTCTA 36546							
NorthernPike	AGAATA-ACGCAGACGTAATAAAATCCATAAATTAAGGTCTGATATAGCTTTGAAATATGATGTT--TGTAAGTGTTC AAT 10626							
SpottedGar	GGGCTT-GCATTTAATTTATTGCTTCCATAAAAAAG-----TGAAGCCTATAAAGAACA-TTTGCAGGAATGCACGCTT 9728							
ParamormyropsKingsLeyae	CACCGC-CCACATGTGTCGGTGCACACTCGTGCAG-----CACAGCCAGCACAACCA-----GTGATCCTC-CAG 5435							

Majority	AGATATAAGCA--AGGTGTCATATTGGATGGTCTG-GCGG-TTTCAGTTTCTGTAATAGTGTGTGTTTTACCATCTAT							
	79130	79140	79150	79160	79170	79180	79190	79200
Human	AGACAAAAGTATATTGAGGGAAATTTGAGAATCTTCAGAGGCTTTAAAAGTCCAGGAAAATCTTAGACTACTCCAGTGAT 78913							
AsianBonytongue	AGACACAACCA--AGATGTCCTATTTAAAAAGT-----TAGTCTGTAATGGCCCGCGTTTGGCCATCTGC 6149							
Reedfish	GATAGTCTTCT--TGGCACACTACTGGAGGTCATGAGCGACAACGGAGGGCCGATCTGAGTACCTCACTGTACCATCCAA 36624							
NorthernPike	TGATAACCAGC--AGGTGTTAGATTGAGTATTTC---G-TTCCGGTTCCTTGATTAGTGTGGGGTCAAACCTTTGTAT 10698							
SpottedGar	AGATGAAACTG--AGGTGTCACATTAGATAGTGTA-GTGGATAACACAATTCAGTAGTCAATTTGTGTTTGACCACCAT 9805							
ParamormyropsKingsLeyae	AATCTAA-----ACGTGTCGTGTCGACAGGTCAG-GCGG-----GTGTTAGTGAACATGCCATGTTTGAAGGTTT 5502							

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Majority	TTGTCAGT--CATTGTTTGCTTTGCTTTGGGGGCACTTCTGACTGTATCGGAAACAGTTTGGACGCTTTGAGGAGGACAT	
	79210 79220 79230 79240 79250 79260 79270 79280	
Human	TTAGAA---CGGTGTAAGATAGCCTAAGTAGTTTTTCTAAGT-TATCAGCCGCGGGGAGGAAATAATGAAAGAGAAAT	78988
AsianBonytongue	GCATCAGT--CACTTTTAGCGGTGCTCTGAGCGCACTGCTGACTGCGTTCAGACAGCTTGGGGCCTTTGGGAGAACAG	6227
Reedfish	TTGGTAGAAGCAACGTGTAGTGTGAATAATGGGCAGGGACCTAAGCAGTGTAAAGCTTGTGGCCTGCACCTACTGGGAGAG	36704
NorthernPike	TTGAAAGGAAAGCAGTTTTTTTTTTTGTCTTTAAAATCAAATT-GATCAGAAATAGTGTGACATTTTGTTAATGTTGT	10777
SpottedGar	CTATCAGT--CATTTTAAGCACAGCTCTTAG-GAGCTTCTGACTGAAGCAATGACTGTCTGAATCTTTAGGAGAACAT	9882
ParamormyropsKingsLeyae	CTGCCAATGCATCGTGTGCCTGGTATCGGGGGTCTGGAGCCTATCCCGAATCAATGGGCACGAGGCAAGGAACAACC	5582

Majority	AAGTCTGGTTGCA---ATTACA--T-----TCATTGACT-----TTTTTAGA-CATAGACTTACACGTGTAA	
	79290 79300 79310 79320 79330 79340 79350 79360	
Human	ACATACGAGTGGCATTAAAGGACAGGTGGTGGCTTCTTTTACCTATTTAAAGCATTCTTACACCATACTGTGAAGTGTGTAA	79068
AsianBonytongue	AGGCTCTGGATGAA---ATTACG-----CCATCTGAC-----ATTCG-----AGACTTGCAGATTAA	6278
Reedfish	GAGTCTGGTTGCC---ATCACAAATATAA--TTCAGGTGGCTTACCTACGCTCTGGTGCCAGGTTTGACACACGTTA	36779
NorthernPike	AAATTATTATTGTA--GCTGGCAACTGCTA---CTTTTAAATG-----GAATATCTATA---TAGGCTTACAGAGGCC	10843
SpottedGar	GAGGTCCAGATGAA---ATTACA-----CCATCTGGTT-----ATTTTAGATCTTAGACTTACAAGATTAA	9940
ParamormyropsKingsLeyae	CAGGACAGGAGGCC---AGCCCA-----TCGCAGGACA-----CACTCACA-CATTCACTCACACATGCAC	5639

Majority	AACAATGG-----ACAATTTGCATTTCAG-GCCGTGTGTTTTATGTCC-----TTATTTCTACGA---ACTGTCT	
	79370 79380 79390 79400 79410 79420 79430 79440	
Human	AAGGAAGGATCATTGGACATAATAGATTATCTG-ACAGGGTGGTCCCGAATGGTGGAAGTAAATCGACAGGTGAGGACAC	79147
AsianBonytongue	AACAACAC-----AAAAGGCTGCGATGAAG-CCGGTGT---TTATGTCC-----TCGTTTCTCAA---ACTGTCT	6338
Reedfish	ATCCATTCAGTGT--AGCATTTTGCATTGCAG-CCCCTGATATCTAGCACACAACAGACATTTTTTTTGC---TCAGTCT	36853
NorthernPike	ATTATCAG--CAACCATCAGTCTGTGTTCGAATGGCGTGTGTTTGTCTAATCCAAGTTATTATTACAA--AATCCTTT	10919
SpottedGar	AACAGTG-----AAAAGAGAGCAATACAG-GTTGTGTGTTTTATGTCT-----CTCTATCTGTGT---ACTGTCT	10002
ParamormyropsKingsLeyae	ACCTATGG-----GCAATTTAGTAACTCCA-ATCAGCTGA-GCATGTC-----TTGTGTCCACG---ACGACAC	5699

Majority	TG-AGAGAGCTGTTGCACAGT-----CTCATATTTGTTTTT---CTTTTGGGTATGACCGAAGCTGCCTTCTAG-AGAC	
	79450 79460 79470 79480 79490 79500 79510 79520	
Human	TG-AATTAGCATTTCAGACAGTGGGGACCTCACACCTGTATTCCTTTTTTGGTAAGATTTTTATTACCTCCTTAGAAAG	79226
AsianBonytongue	TG-AGAGAGCTGT-----ATTCATTTT---CTTGCCAGGACAATGGAAGTGTCTTTTAG-----	6390
Reedfish	TACATGGTGTACTGCACGATAAGCTTCTCATAAATGTTTTTG--CTTTTGTGCATGTCCGTAATAGGCACTAGTAGAC	36931
NorthernPike	TGCAATTATGT-TAGCACAG-----CTGAAACTGTGTGTGATTAAGAAGCGACAAAACCGGCCCTCTTTAGACT	10991
SpottedGar	TA-AGAGATCTGTTCAATATTTACGATTTCTATTTACTTTT---TCAGAGAGGATCAGACGAGCTACTGTCTAGCAGTC	10078
ParamormyropsKingsLeyae	AG-GGAGAAC-----ATGCAAATC---CACACACATGTAACCCAGGCGGAGACTTGA-----	5748

Majority	AGTA-AAT---C-ATCTCGAGCACAAAGTTTTTTTGTCT--A-----GTGATTTTAAGTTAATT-AATTTCTGTAACCCAG	
	79530 79540 79550 79560 79570 79580 79590 79600	
Human	AGGTAATTCATCTATTTTCAGCCCAAATTTTTCTGTCTAGAAGATTGGTAGTCTTATTTTTACTAAAGTACAAGATTAT	79306
AsianBonytongue	-----ATGAGTGC-----GTGCTTTAAATTATTT--ATTTCTTTTCCAG	6428
Reedfish	AGCA-GGTTTTGCAAAATAGGTTACACATTTTAAATACCAGAAA---AGGGAATCCTGGGAATT-GAATCAGCAAATAG	37006
NorthernPike	AGTGATAT-----ATCTGGAGCACCAGCAGTTTTGAGT-----TCGATTACAGGCTTAAATGTCCAGAAAGAAA	11056
SpottedGar	TGTACAACAGCCCCAACTCTAATATGAGTGGCATGGTTGTAACG---GGTGAAGTAAATCAATTTAAATTTGTGACCCA	10155
ParamormyropsKingsLeyae	-----ACCCAGGTCCC-----AGAAATGTGAGGCAACA---GTGCTAACCAC	5787

Majority	TGAGTATCTACTGTAATCTGTTTTGTATTTTTTTTTT---AATATAATAGTGTA-GACTGT---CATTCTCTAAGTATCT	
	79610 79620 79630 79640 79650 79660 79670 79680	
Human	TTAGTAAAAGGTAGCATTCTCTGGCTTTTTTTTTTTTTTTTTTAAATGTTTCAGATCTGT---CACACTAAAAGGGCT	79382
AsianBonytongue	AGAGGATCAGACGAGCTGTCTGGAAGTCTTT-----ATAATAGTCCA-AACT-----CTGGTATAAGCAGTA	6492
Reedfish	TGAGGATATACTGTACTGTTTTT---AAAATCTTACTGTAATATAGAAGTAAATGACTATTTTTCAAAGTCAAAGTGAAC	37084
NorthernPike	GGACTGTCTCTGAAACTCATCAGTCTATTCTTGTCTGAGAAATGAAGGCTATTCCATGCAAGGAATTTCTAAGAACT	11136
SpottedGar	AATAAATTGAACTTAATTTTGTGTTTGTACTTTTTGCTTCAACATTATAGTGAG-GACTGGGTGATCTCTTTAATTTATCG	10234
ParamormyropsKingsLeyae	AGCACCACCAGTCGGCCCTGT---GTATATATG-----CACCACCAGTC-GGCC-----CTGTATATATGC	5846

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Majority TCCGTCCTGGTGTTCCTGTTC---TATATGATTCACCACATTGGCACGGT-A-ATTTAACCATGCATTACTGGGCTGTG

	79690	79700	79710	79720	79730	79740	79750	79760
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Human TTAGACCAGGTGTTGTGGCTCACACCTGTAATCCCAGCACTTTGACA-GGTC--AAGGTGGGAGG-ATTGCTGGAGGCCA 79458

AsianBonytongue ACGTCTCTGGTATGTCCCTCC---CCCATG---CCCCACAAAATA-----ATTTGATCGTG-ATTACTG----- 6551

Reedfish TTTGTCTATCTCAACCATATACAAGTATACAGATAGACAAAATTGCGAAGCTCAGGGTCCACAGTGAACAACATGATGTG 37164

NorthernPike GAAGATCTCGTGTACGCTTTGTACTACTTGTTTTACAGAACCGCGCATGCTTACTCTAACCACAGAGTCACCGACCCGTC 11216

SpottedGar GCCGTCATGATAATCTGTGTC---TAAATGATTTTTTCAAAGAAAGACAGA-AGATTCAAACAAGCACTACTAACTTTG 10310

ParamormyropsKingsLeyaeACCACCAGGTCGGCCCTGTA---TATATG-CACCACCAGTCGGCCC-----TGTATATATGCACCACCAGG----- 5909

Majority -GT-TTTGACAT-----GTAACATGTTGAAATTTTCAGTAT-----AAATGTAGTAAATAATCAATATATGTTATT

	79770	79780	79790	79800	79810	79820	79830	79840
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Human GGAGTTTGAGACCAGCCTGAGCAACATAGTGAGATCTCAGTCTCTACTAAAAATAAAAAAATTAGCCATGCCTGGTGGC 79538

AsianBonytongue ----TCTATCT-----GT---ATGTTAAAAGTGCAGAAT-----AACTCTGTG--TGATCAGCATATGT---- 6603

Reedfish CAAATCATAAATTA---AAATAGAATTTTAAATTTTAAATTT-----AAAATTAACACAAACAAGACAAGACATT 37234

NorthernPike GATCTTGGAAGC-----ATTTAAGTCGATCGGAATAGTTT-TCAAAATCAGAGGGAAAAATAAATATATATTTGT 11287

SpottedGar -GTTTTTCACAT-----GTCACATGCAGTAACAACAGTAT-----AATTGGCCAACTGAATAGGATGCTTCATA 10374

ParamormyropsKingsLeyae---TCGGCCCT-----GT---ATATAAAATAAAAAGCAT-----AAATGTAGTT--TAAGTGATAGATGG--- 5961

Majority ATTCATCTGCAATG--AAGTATTAGGAACAATTTGTAGGCATGATATAT-TAGTCCA--ATTTGTAAATAACAG--AGTT

	79850	79860	79870	79880	79890	79900	79910	79920
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Human ATGTGCTGTAGTCCCAGCTACTTAGTAGGCTGAGGTGGGAGGATTGCCTGAGCCAGAAGATAGAAACAGCAGTGAGCC 79618

AsianBonytongue ATTCATCTGCAAGG--AAGAT-----ATTTGCAGTTAC-----TGTGCAAATAACC---CCTT 6651

Reedfish GTGCAAAGACAAGACAAGAAGTAGCAGCAATATCGATGTGTAAGATATGTAATATA--ATTAATAAATAATAG-ATATA 37311

NorthernPike ATTCATTATTTATT-AATTTAATATGCACCATGTGTGAGCCTATTGTGTGCAGTAAATGGTGTCTAGGGGAGGGAGAGGC 11366

SpottedGar ATTTAGTGGCATT--AAGTCTTAGTAACAATTCATAGACATGAGAGAT-TGTTCCC--ATATCCAAATAAAA---ACTT 10446

ParamormyropsKingsLeyae--CCATCAAACATG--AAATGT-----TTTGTGTGCAT-----TTTG--A-TAAA-----TT 6001

Majority GATATATGGAAATGCGCTGTCGTATTTTT--AAAGTTTTCGCTGTCTTGTACAATATCTGTTGGAGAGGTATTACAAC

	79930	79940	79950	79960	79970	79980	79990	80000
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Human ATGATCATGCCACTGCACTCTAGCCTGGGTGACAGAGCAAACCTTGTCTCAAAAAATAAAGGGTGGGGAAGCTTTAGCCT 79698

AsianBonytongue GATCTTTGTAGGTGTGACCCACACATG----AAAGTATGCGCCTGAAAGTGAAT-TCTGTGTGCCAGGCATTTCAAT 6726

Reedfish GATAATACAGAAATTATCAGT-GTATGGTA--ATAGTTAAGACATGTGTAACAATAACAGGTCAGAATGTTTCACAGC 37387

NorthernPike TGT-CCAATCAAATAGCCTATAGTTTACATATGAAAAGCTCTCTCTATGTTTTCCGT-TCTGATGGAGTGGTGAC---GC 11441

SpottedGar G-TGTCCTGGAGATCCATTGTCATTCTTAT---AAAATTTGAGTGAACCTGTGTAGTATTTTTGGGAGGAATACTCTGAC 10522

ParamormyropsKingsLeyaeG---GTCTGAAAATAAGT---GCACTTT---AAATTTTCAGTGTTCAT-CACAAC-CCTCAATGACACAAAT---AC 6064

Majority AATCGTGTAAT----ATTACCA--AATAATTTTTTTTGATAATT---TAATGTATTTA--ATACTAATGTAATATATTT

	80010	80020	80030	80040	80050	80060	80070	80080
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Human AGGCTTTTAATTCTCAATTACCATTATAAATTTATTTTAAATTTAACTAATTACTTTA--ATTCTCAATTACTATTTTT 79776

AsianBonytongue AA-TGTGTA-----TCAGAG--GATAAGCCTTCTGTGTTTT---CAATGATTTT-----CTCTAGAGTGGACTT 6785

Reedfish AGAAATGGAACA---AAATAACT--GCTCCTTTCCTTGGGTCATTGCATAATATATTGAA-ACACCAGTGCAGAGATTT 37461

NorthernPike GTTCATGTAAAC---GGCACCT---AAAAGCTGTCTCAAAGAACCAGCAAAGTAATGATTATGAAAATGTAATAATTT 11515

SpottedGar AACTGTATGCAT---TTTCACTA---AAAAGGATATTGGATATTT---CAAGACTGTTGC-AAAGTTGAAAAAAAACCTC 10593

ParamormyropsKingsLeyaeAATCGTTT-----TACCA--ATTA---TTAGTCCATAACT---TGAGGGACTG-----TAAGCCAGCCTCTTT 6120

Majority GCATGAAATGG--T-ATAGTCTGATT-----TGTATTTTCTGTTTTTTTTTA-TAGAAAGTTAATACTT-ATGAG--AAA

	80090	80100	80110	80120	80130	80140	80150	80160
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Human CCATGAAAAGGCTTGATGTTCTAAACAGTATTATAACCACCAAGTTATCTCTACTGGAAAACCCAGATTTCAAGAAAAAA 79856

AsianBonytongue GCATGGAA-----ACAGTGTGAA-----AGCTTTCCTGGTTTCTTTTG-TTGTCTTTCTCACTG--TGAG--ACA 6846

Reedfish GTGTTATAACGGAT-ATAATTTGTCTG---TGTAATTTGTTAATTTATTAA-TAAAAATGTCAGTAATTTCACTG--AAT 37533

NorthernPike CAATGAGACGTTTTAATTTGTTTATTAATAAACAAATGTTTTTTTTTGTGTTGGCTGCAAAGATGAAGTTG-ATGATACTGA 11594

SpottedGar TCATCAATTTT--C-ATACTCTGATT-----TGAATATTTCTAATACTTTTTT-AAGAATAGAAATACTACTTGTGA--CAA 10662

ParamormyropsKingsLeyaeGCTCCAGT---C-ACAGCCAGTC-----AGTGTATGTGGTTCGGTTTA-TAGTGAGAAAACACTC-----GGC 6181

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Majority	AAATTATTTTAAAAGTATTCATCAC-CATATATTACAAATTTTATTGTGCATAA-GTTGTCAGTCTTTACTTTAAGTCA	
	80170 80180 80190 80200 80210 80220 80230 80240	
Human	AAATGATTTTGGAAACAATTATGTCTTAAATATTTAAATTTCTTTTAAACATGTTTTTAACCATCTTTAAATTTTTTTG	79936
AsianBonytongue	AAGATCATTTTAAATTTGTGTGATCA---GCAAACCTGC-GACGTTAAATGCTGAAA-GTCGGTAGGAACTACTTGAAGTTC	6921
Reedfish	GTGCCAGTCTTATTATAAGCAGTGC-CATATTTAGCAGCTTTCAGTTGAGCCACTATCTTAAGTCACTGCTTTAGGAGA	37612
NorthernPike	CCCCGCATCTTCGCAGAACGCGCCG---GAGAGTTATATACTATTTGTATAATAAATAATTTTGTCTAGTGACTAACAGGCA	11671
SpottedGar	AAAATTTATTTTCAAAGTATTTCTTTACTCATAAATTTACTAAAGGTGATCATAGCAA-GTTGTCACATGTTAAAATAAATCA	10741
ParamormyropsKingsLeyae	TTATTCCTCCACAATTGCAGTACATGCACATA-TACAATAATCCAGTGCCAGGG-GAAGCCCTTCTCTGGCCTAG--CA	6257

Majority	TTAAGTAAAGTTCAATTGAACGTTAAACTG-ATTTTGTCTAGTATTTAAGGC-A-CTTATTATCTTCAGTTACTTTTTATA	
	80250 80260 80270 80280 80290 80300 80310 80320	
Human	GTAAGTAATTTTCATTAGATTGTTAAATGTATAGTGGCACGGTAGGGTTGTATCTCAAGATATGAAGCAGTTTTTTCATA	80016
AsianBonytongue	TTAAGCAGAGTGCCATTGGAC-TTAAACT---TCTGAGCTGAATCTGAG-----CCTAGAAAGTCCAGT-ACTTTTTAAA	6991
Reedfish	TTTGTAAACCTAGATGAAACGATTTGTTG-AAATTGTCTATTGTAAGAA-A--GATTTTCTTTTAGGTACTCCATCTG	37688
NorthernPike	ACAAAGAATGTCAAACACATTTGTGGCCTC-GTTTTTTCATAATTTGTTGCAAGTGGTAGATCTTGGTTTACATTTGGAC	11750
SpottedGar	TAAAGAGAAACAAAAGAGATCCTTTGACTA-ATTTTGCCTGCATTTACGGC-ATCTTATTTGCTTAAGTGATTTTTAATG	10819
ParamormyropsKingsLeyae	TAGAATCTACCCCGTTACCC---AAACT---CCACACCAGTATGCAAAG-----AATAAGCCCAATTCCTTTGTCTA	6325

Majority	TTGTTGAATTGTCATACTTTAGCAGAGATGG--ATGTGACT-C--TTATGATCTAGCTTGATAAATTTGAATATGTTTGG	
	80330 80340 80350 80360 80370 80380 80390 80400	
Human	AAAATAAAGTATTAACCTTAGGCTGGTATGTTTGTAGTCAACTACTGTATTTAAATAGATTGATAATTTTTTATATATTTTA	80096
AsianBonytongue	C-----AGAAGCTACACATTAATAAAAAAAAAA--AAAAA-----AAAGAACTCCCTGTATAAATTTGACCATATGAAG	7057
Reedfish	GAATTGTACCTTCTTACTCTAGCGGTGGTGG--ATTTCCAT----CTTCCCTGGCTTTGCTCAATCTGCAGGTGCCTAA	37762
NorthernPike	TTGGGATGTGATCTTAGGCTTGAAAAGGTTG---GTGACC-----TCTGCTTAACCAGAATAAAAAGAGTGGGAGGCC	11821
SpottedGar	TTGTCGAATAGCCAGAACTTAGAAAAGATGG--ATGAGATTTCTATGAGAAAAGGACTTTTAATATGTAATATATTTATT	10897
ParamormyropsKingsLeyae	CT-----TATGTCACAAATTAGCTGAGTTGG--ATGTTACCTCCACCAAGGTCAAGCTTGCATCAGTTTTGCTTGTCTGAG	6398

Majority	TGGTTTTATAATTTATGAAAAAATAAAAATTATTTTCATTGAGTTGGAGACAGATATTTGTTTTAGATTCTTCACGTGTTG	
	80410 80420 80430 80440 80450 80460 80470 80480	
Human	TGAATTTATACTTTTTCTGAGATTTTCAGGAGGGAAAAATGAGTAGGAGATGACTGAGAGCTTAAAGTTTGGGAGTGTC	80176
AsianBonytongue	GGGTGCTGAAATAAAAAAAAAAAAAAAAAAGAATTTGACCAAGCTAAAGAAGAATATTTATTTTAAACCTTAACACTTTG	7137
Reedfish	TGTGTTTTACATTGTATGAAAAACAGTTTTTCATTACAA-ATGTTATCATATGCAACTTTTGTATGTTAATCACCAGTAG	37841
NorthernPike	CCGGTGCACAACTGAGCAGGAGAATAAATATTAGTGTCTAGTTTGAGAAACAGATG-TCTCACAGATCCTCAACTGGCAG	11900
SpottedGar	TTTTTTTACAGCTAATGAAATGATAGCAAAAAGTTAA--GAGTTGAAGACAGA-ATGGATTGTCCCCCTTCACGTGTTT	10974
ParamormyropsKingsLeyae	CAGACTGGTGCATTCTGGGATACACTATAGTTCTCTCTTTGCTCTGGCAACAGG---TGAAGTTG--TTCTTACACTTT-	6472

Majority	ATTACTTTAG-AT--TTTTTAATAAATATTCGT--A-----ACATTATTAGTTTTTGTTAGGCGTTTGTGAATGTAAGT	
	80490 80500 80510 80520 80530 80540 80550 80560	
Human	ATTAACCTCAGCAT--TCTTTTAAAAACATGTGTATATATTACAGCATTTCCTTTTATTTTGAAGTGAGTAAATGTATCT	80254
AsianBonytongue	ATCACTTTAA-----TTGCTATATAATTTTT-----TTATTAATTTTGGTAATGAAGGTGGATATGTAGCT	7198
Reedfish	GTTAGAGTAGAGTTATTTTTAAATGTGCATACAATTGTGATCATATTATAAGCTGCTGTCAGGGCATTCAAATA-AACT	37920
NorthernPike	CTTCATTAATAA---TACCCGCAAAATACCAGTCT-----CAACATCAGTTGTTAAGAGGCAACTCTGGGAT--GCT	11968
SpottedGar	TCCACATCAGGAA-GCTGCCCAATGAAGTTACAG--AGACAGAAGTTATTGCCTTGGGTTTACCCTTTGGGAAAGTCACT	11051
ParamormyropsKingsLeyae	ATCATGCAAC-----T-TTTTTATCATTTATC---A-----TTGTTGCTCCATGACATGTTTTCTGGACCTAAAT	6533

Majority	ATCT-----TTCGTGATAGTTAAGAAGTAAA-ATCGGTAATCATGTCAATTTTGATTTTTATTGTTCT--GAATACA	
	80570 80580 80590 80600 80610 80620 80630 80640	
Human	TTTTAAATTCCTTAGTAATTTTTGAGCACTCCATATGTATAAAGCATGTGAATATTTGGTAGCATTTTACAA-ATGTCCA	80333
AsianBonytongue	AAC-----CAC-TGACAGCAAAAAGGTAAG-ACAATTAAGCAAGTTAATGTAGATTTTAACTGGT---GGATACA	7264
Reedfish	AGCT-----TTATCTGCAACAAGAATTACC-AGTGGAAAATTTAGCCAGTCAGCAGTTATGTTGAGCT--ATATCCA	37990
NorthernPike	GGCC-----TTCTAGGCACAGTTGCAAAGAAAA-AGCCGCAACTCGGACTGAGTCAGACTGAGATGGGCAAAAAGAAAAA	12042
SpottedGar	AACA-----TTC-TCATGCTTAAAGGAAAAA-ATCAGGTGTGCTTGTCACTTGTGTTTTTTATTATTTTGG-GAAAAA	11121
ParamormyropsKingsLeyae	TTTA-----TGCATGATCGTGAAGATGCAACCACAGTTGGTTCGGTTCAGTTTGGAAAG--GGTTGACAT--GAAAAA	6602

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Majority	GATATTTGTGTTTGTGTTTCACTGACTGTCTTAGGT-----CAGTCTTGTAATAT-ATTTTATGTTACT-----CGTG	
	80650 80660 80670 80680 80690 80700 80710 80720	
Human	GAGATTTGTGAGAGTTCCTGAGATCTTCATAGGGGGCCCAAAAGTTTAGTAT-TAC-TTTTCACGGTAATACTAAAGTG	80411
AsianBonytongue	GT-----ACACGTACCAGCTCA-----CAGCCTTGCAA-TAT-ATCATACTGTTAC-----CATA	7311
Reedfish	TCTAAATCAGTGTCTCAACCTCGGTCTGGGGA-----CCCCCTGAGGC-TGCAGGTTTTTGTTC-----AAC	38055
NorthernPike	GACACTTTATTTTGTGTTTACTGCCAGAAACATATAGCCTTTTATTTTTTGTAAACGGAAAACCAATCGCGTTTATGGTG	12122
SpottedGar	GATCTTCGTGATTCTGACATGTATTGTTTCAAGT-----TAGTGTATAA-TATTATTTAAAGTTACTTGGTCTGA	11192
ParamormyropsKingsLeyae	GT-----CAATGACTGTCTG-----GCCTGACAC-CAA-GCTTCTAATGGG-----	6643

Majority	TATTTTGCCTATTTTTTGTCT-TACACTTAAAAC-ATA-AGTGG-AACTGTCAGCTGGTATCAATGTTTTTTTTATCTTGCT	
	80730 80740 80750 80760 80770 80780 80790 80800	
Human	TATTTTGCCTCTTTTTACTTTTTCTCTTAATAGCATAACAGTGGTAACTGAAGGCTAATAGTA-TGTGTGTTTAT-GTCT	80489
AsianBonytongue	TATTATGTCCATATATTGC---ACAGTT-----GCAA-AGCTCTCAGCTGACATCAAAGTATGCTTGCATTGCT	7376
Reedfish	CAGATTCTTAATCAGTGACAACAC-CTGATAGCACTGATCTCA-TTTAATTAGATGGTATTATTTTTCTTTTATCTCGCA	38133
NorthernPike	TACTCCTCCCTCCTTAAGTCTTGACACCAAACCTGATAGTGGAAACAAAAGTCTGGAGCCAATATTCACATAAATCACC	12202
SpottedGar	TATTTTGTTTTTTTTCTCCTGAATACTTTAGCTGAAAGAGTGA-AACTGTCAGCCATTAGCAAGAATTTTTTATTTAACT	11271
ParamormyropsKingsLeyae	GTTCTGCGGATTTGTCAG-----GTAG-AGCAGTGAGCTGGTGTCTACTGTCCCACGGCCGTATC	6701

Majority	TT---A-A-CGTAGCTGTAGGCATTCATAATTGGTAAGGCCTTTTTGT-A-AGTACT--TTTTTCAATAGAAGTAAGTGC	
	80810 80820 80830 80840 80850 80860 80870 80880	
Human	TTAAAAGTTCGTGGTTTTGGCCAGGCGCAGTGGCTCAGACCTGTAATCCCAGCACT--TTGGGAGGCTGAGGCAGGTGG	80567
AsianBonytongue	T-----CGTAGCTGTAACCCCTTCATAGTGTGTAGTGTATTCTCT-----GGAAGAAGCAC	7426
Reedfish	TTCAGAAAAGCACAGCAGCATGATTTTTACATTTATAAGACATTTAGAAAATTTCTGCTTTTTCTATAGATTTAAATGC	38213
NorthernPike	AGTGTGACCCTGGTGCCGGGTAAAGCACCAGTGGAAATGCTGCATGAGTGACCCCAAACCTTTTGAATGGTAGTGTATGG	12282
SpottedGar	GA-----AATAGACCTTTAAACATTCAAAATAAGTTTGGCCATCTTTTA-AGTAGTGAATGGACAACAGAAGGAAATGC	11344
ParamormyropsKingsLeyae	T-----GTTATAAAGAGGTGTCTTTGCTTGGGCTAAGCCTGTGC-----GAATCAGGTAC	6751

Majority	TTTATTTTATTTTTGGCGTT-TTAGAGTTAAACATTTCTTGCTATGTAGT-TCTTCCCTTTTCTGCTAATAGTATTAAT	
	80890 80900 80910 80920 80930 80940 80950 80960	
Human	ATCACCTGAGGTCAGGAGTT-CAAGACAAAACCAGCCTGGCCAACATGGTGAACCCCATCTCTACTAAAAATACAAA	80646
AsianBonytongue	ACTAATTCATTTTT---T-GCACAATTAAGCATT-----TGCATT-TCTTCACGTTACAGCTAATGGAAATGAC	7491
Reedfish	TTAATACTCTTTTGTGATT-TCATCATATTTTGCCCTTTCTCTGTGCAGT-TTTTCCCTTTGT-TTTATCTTATTAAT	38290
NorthernPike	ATGAAAGCAAATTCATCTCTATTGAACCAAAACATTGAGAGAATTTCTAAAGCCCTAATTTGTTGTTGGGAGAGTGTCAAT	12362
SpottedGar	TTTTTTTTTTTTTTGGAGCT-GTAGAGTTAAATTTAGATATTCATGTATG-TCTTCATTTTCCC-CCAACAGGCCTTCC	11421
ParamormyropsKingsLeyae	CTGTTTGACATGCCGCA-T-TAACGGCTTTGCACCTC-----TGCTGT-AATCACCATCACAGCTAATGGAAATGAT	6821

Majority	ATTAATT-GAAATTGA-GAGTGAAGACT-ATGGTGGACGCCACTCACTCTG-----CTGTGGCATC---CACATTAGTA	
	80970 80980 80990 81000 81010 81020 81030 81040	
Human	ATTAGCC-AGGCATGG-TAGTGGGTGCCT-GTAGTCTCAGCTACTCGAGATG-----CTGAGGCAGGAGAATCACTTGAA	80718
AsianBonytongue	AGTAA---AAAATTAA-GAGTGAAGAA--AGGATGGACTGCCCTCCCTC-----CCGTGTCATC---CACATCCGTA	7555
Reedfish	GAGAAATAAAAATGAG-CAGCGCAGACACTGGCAAACAAAACCTGAATAAG-----CAAAGGCTGCATCTACTTTAGCA	38364
NorthernPike	GTTAATCTGAAATTGCTGAATTCAAAACCAACGGCTGGTGCACCAACTGTGAAAGTCTGTGGCACC---AGCTTCACTA	12439
SpottedGar	TTGAACTTGAAGTGA-GGAAGCAGCTATTACAATGGTTAACTATTACACAG-----CTGTGACTCT--CATGTTCTGA	11493
ParamormyropsKingsLeyae	AGCAA---GAACTGA-GAGTGAAGAC--AGAATGGACGCCACCCCTTC-----CCGTGTCCTC---CACATAAGGA	6885

Majority	ACGTGCCCATTT-TTATGAAGT-ATTCGATACAGAGCAATTT-A--ACAGTCATTGC-ATA--A-ACTGGGCTTGCCCTCT	
	81050 81060 81070 81080 81090 81100 81110 81120	
Human	GCTGGGAGGTGGAGGTTGCACTGAGCCAAAATCTCGCCATTACACTCCAGCCTGGGGGACA--AGAGCAAGACTCCATCT	80796
AsianBonytongue	AATTGCCCA-----ATGAAGT-CTCCGAGACGGAA-----GTCATTGC-----ACTGGGCTTGCCCTTT	7607
Reedfish	TCGGATCCACTAATTAGTAAAT-AATGGATTAATTAACAATTAGAACACCTAGAAAAGTA--G-AATGAAAAT-CAAGA	38439
NorthernPike	AAGTGAAATGTTTGTCTGGAGC-CCTGGATAAAGAGCAATTTGTTCAAATTCACCCACAAAGCAAAAAAGCCTAAGACT	12518
SpottedGar	ATGTGCCCGTTT-TCATCCAGT-ATTCAAATCACAAAGAATTAAGACTGACAATGCTCTT--A-ACCAGGTATGTTCCG	11568
ParamormyropsKingsLeyae	AGCTGCCCA-----ATGAAGT-TTCCGAGACGGAG-----GTCATCGC-----CTTGGGCTTACCTTT	6937

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Majority	TGGGAATGTTACAAATATC-ATAT----CTAATGCTTCCAGGAAATAACCAGGTATCTAATTGGTCTGTTGTCGAGATTT	
	81130 81140 81150 81160 81170 81180 81190 81200	
Human	CAAAAAAAAAAAAAAAAAAGTTATTGGTTTTAATTTTGGAAATGACAACCATTAATAGAACCCACATTAGGCCGGGCGCG	80876
AsianBonytongue	TGGGAAAGTTACAAATATC-----CTGACGCTAAAAGGAAAAAATCAGGTGCTTGGCTTGTCTGTGAAGCAGCTTT	7678
Reedfish	TGAAAATATTGTTAAAAAGAAAAAAT-ACATTATTCCCATATAACGTCTTGGTACAT-TTTAATATACAGTATAGATAT	38517
NorthernPike	CAGGCCTGTTTCGATAGTTTCTCTCT---GTAATGACTCCAGGCCTTGCTGACTGTCTCATCAGTCAGTTTTAGCGGTGC	12594
SpottedGar	CTAGATTGCTAAAAATGACTAGGACAG-CTAACTCCACCTGCATCTAAAAAGACCTCAAAGTGGTGTGTAACCTAATTA	11647
ParamormyropsKingsLeyae	TGGGAAGTCCACCAATATC-----CTGATGCTTAAGGAAAGAATCAGGTAC---GTCGGTCTGCTG-CAAGATGT	7004

Majority	GTGTATCTTGTCTTTCTT--AA-----TTGTTTGTCAAGATTCGGT-ATATGGCCAAATCAGA---CTTGGGTCATGAC	
	81210 81220 81230 81240 81250 81260 81270 81280	
Human	GTGGCTCATGCCTGTAATCCTAGCACTTTGGGAGGCCGAGACG-GGT-GGATCACGAGGTCAGGAGATCAAGACCATCTT	80954
AsianBonytongue	CTGTACAATGCATTTCTG--AA-----TTGTTAGTTAAGATAAGGTAAAGTAATCAAATCAGT---CTTGAGTCTCTCC	7747
Reedfish	ATATATTTTTTCTTTTT--ACCAAGCTTAATTTCTAATTTCTATATTATCCCAAACACAGAACTTGGGAAATAAC	38595
NorthernPike	TTGGAGCATGTCAGCCACCAACTGCAGCCTAACGGACAGAGGACAGC-TCAGAGCCTACCGGGAAGCACTGGGGAATCC	12673
SpottedGar	AGGAATGTCGTATTTAT--AA-----TGGTTTCTTAAGATT-GGTGAATTGTGTTAATCCCG---CTTGCGTCATGAC	11714
ParamormyropsKingsLeyae	CACCTTATCTCTATGCT--GG-----ATGTCATTCTGGGCTCCGT-ATCTGGCCCCGTAGTA---ATAGAG--ATGAT	7070

Majority	TGATAAATT--TTTGCCCTGGATTCT---GAAAA--GCAACATTAGCTTGTATGTAATACTGAATTTTATAGTCAGC-G	
	81290 81300 81310 81320 81330 81340 81350 81360	
Human	GGCTAACACGGTGAAACCCCGTTTCTACTAAAAATACAAAAAATTAGCCGGGCGTGTGGCGGGCGCCTGTAGTCCCA-G	81033
AsianBonytongue	T-ATAGACT--TTTGAATTGG-----GAACT---GTCACCTTAACATGAAGTAAAAATTAATTTTGTCTTCAG---	7810
Reedfish	AGTTCACTTAATTAGCCAGGAGTCCAATTAATA---ACAGAAGCTGGTTGGAACAAAAACCTGCAGCCACAGTGGGTCC	38672
NorthernPike	AGATGAAATGACATGTCTGACATCTT---GAGACTCTGCAAGATTAAGTACGAAACTAGAAAAAGAACCAACCTACCT	12750
SpottedGar	TGATACATT--TTCACGGTAGCGTCTTCAAAACT---GTTATATCTGTTAAATGTACATAATGAGCTTAAAAGTGAAA--	11787
ParamormyropsKingsLeyae	--TGATG--TCCACCCGGG-----GAGA---GCCACAGC---TAATGCATATGCTGCATTTTTATGCCAAGCAG	7130

Majority	GCATTTTTGAGGCTGGG-----GT-----TGACAGAGC-TTGAGGCAGCCGTTACCATGGTGAATTAT	
	81370 81380 81390 81400 81410 81420 81430 81440	
Human	CTACTTGGGAGGCTGAGGCAGGAGAATGGCATGAACCTGGGAGGCGGAGCTTGCAGTGAGCCGAGATCACGCCACTGCAC	81113
AsianBonytongue	GCCTTCTTGGAGCTTGG-----GACAGAG---GAAGCAGCCATGACAATGGTCAACTAC	7861
Reedfish	CCAGGACCGAGGTTGAGAAACTGATCTAAATGGT---GTTGGTATAGC-TTGTATAGTAGTGCCCAAAGTGAATTAT	38748
NorthernPike	GGTGTTTTATGTCTCCCTCCA-----T--TTCCT---CAAAGTGCATAGAGGCTGTATTTTCATTTGCTTTTTTAA	12818
SpottedGar	GAACTATTTACATTTGAT-----GC---AATGACAAAATACTGAGGAAAGTGTACAAATAAAAATTAA	11848
ParamormyropsKingsLeyae	GCATTCCTGGAGCTGGG-----GACAGAG---GAAGCCGCCATTACCATGGTGAATTAT	7181

Majority	TACACGGTTGTTGCCACT--GACACCTCATGTCTGT-AAATGAAGATA-AATATACCAGTCTTTATTTATT---ACTC--	
	81450 81460 81470 81480 81490 81500 81510 81520	
Human	TCCAACCTGAGAGACACAGCGAGACTCCGTCTCGAAAAAAAAAAAAAAAAAAAAAAAAAAGAACCCACATTAACAAAACTCCT	81193
AsianBonytongue	TACACAGCTGT-----GACACCTCATGTTCGT-AA-----CGTTCCTGTTTTTATTTCAGT---ATTC--	7914
Reedfish	TATTCATTATAACATATGACATAAACAAAAAATTAAGTAAAAATATTATACACAAGACTTTATTTGTTTT-GCTC--	38825
NorthernPike	TGGGCTCTGCTTGTGCA--AACGGAACATGTCTGT-TCTTGGAGAGCCATAACCATAAGCCTTTATCTATTT--GTTTCT	12893
SpottedGar	CGAATGTTTGTGTTGCAATTCGACACCTTTACATGT-AACTGGATAGAATATAATAGAAGTATTTGCA---AATA--	11922
ParamormyropsKingsLeyae	TACACGGCCGT-----GACACCTCATGTCCGC-AA-----CGTCCCCGTCTTACATCCAGT---ACTC--	7234

Majority	---GATTCTCAATTATCTGAAGACTGACAATG-----CCATCAACTAGGTAATCTTTTACTGTAAAGACTGTGTC	
	81530 81540 81550 81560 81570 81580 81590 81600	
Human	TGTGATTCTCCATAGTTTTAAGACTATAAAGGGGAGCTGAGACCAAAAAGTTTGAAGACTTTTTTACTGTGGGATACAAA	81273
AsianBonytongue	---AAATCACAAGAGCTGAAGACTGACAATG-----CAGGAAACCAGGTAAGGTTTTACTATAAAAGCACATC	7981
Reedfish	---AAATTTAATTTCCAAACATCACAGT-----CAAACAATAATTAATGTGA-ATGTACGAAGACATAAC	38890
NorthernPike	TGTTTTCTCCTTTCTCCAGAGAGGATCTGATG-----AGCTGTTATCAAGCAGTCTCT-ACAACAGCAGCTCTGAC	12963
SpottedGar	---GTTTCTCAATATGTGTGTGCTAACCTG-----CAATGGACT--GCCGTCCCTTCCAAAGTGTAGCCTGTC	11987
ParamormyropsKingsLeyae	--CAATCACAAGAGCTGAAGACCGATAATG-----CCCTCAACCAGGTGAG-----AGGACCAGTC	7289

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Majority	CT-----ATATCTGTGGTTAGTTTATCTGGAA-TGTGTGGTGCTCCAATTATCAGTATTTGA-AAGATGTTTAAATAGAA	
	81610 81620 81630 81640 81650 81660 81670 81680	
Human	GTTGAAGACAATTATAGTTAAATAAGCAGGAGATACAGAGTATTTTAAATGAACAGTAGATGGTTATAAGAGTCAAGAGAT	81353
AsianBonytongue	CA----CACATTTGTCATTAGTT-----AA-----GAGCGGCAGTTATC-----AAATATCCCAATACCA	8032
Reedfish	AA-----TTTTCTGAGCTTTGCTGATATAGAATTGCTTGGTTATACAATTACTGGGATTCAA-AAGATGTTTATACAGTG	38964
NorthernPike	ATGAGCAGTATCAGTGGTAAGCTTTTTTTTTGGGGTGGGATCCCCCTTTTCTCACTCTGTCA-GCCCAGTCTAAATGGAG	13042
SpottedGar	TTGTGTTTTGTCTGCCCTTTGTTTCGCTGCAACCCTGTTGTGTCTCCAATCGTCTGTATTGGACAAAGTGGTTAAGAATAA	12067
ParamormyropsKingsLeyac	CG-----A-GCGTGAAGGCAGT-----G-----TCATC-----AGAGG--CTGGCATAA	7325

Majority	GTG-AGTGAATATGT-TGTGTTTTGAGGATTTGTAATTATAATCATTATATAGTTTTTTAGTTGTTTCTACTTTTGTATGTT	
	81690 81700 81710 81720 81730 81740 81750 81760	
Human	GTACAGAGAAAATGCTAGTGTATTAGAGTTTTT-AGATTATTTTAAATTTTGGTAACTAATTATAATTCCTCAGTTAAGATT	81432
AsianBonytongue	GTG-TGTACCCA-----ATCCAGAGGTGCTCTAGTGAAAATGGTC---AGAGGTTTAAAGCTGATTCCACCTTGCTGTT	8101
Reedfish	GAGGAATAATTATTTGATCCCCGCTGAATTTGTAAGTTTGTCTCACTTACAAAGAAATGAGCAGTCTCTATTTTTATGGT	39044
NorthernPike	ACTTCATGAATGTAT-TTTGATCGGCAAGACAATAAGCAGAAGGATTAATGTATTTGTACGTATTCCTGCGGGGGGATA	13121
SpottedGar	GTG-AATGGACACGGGTGTATTTTGAGACTTGTATTGAAAACCTTTTCAAAGTTTTTAGATGTTGGCATTTTGAAGTC	12146
ParamormyropsKingsLeyac	GC--CGTAGCTA---TGTTCTCTGAGGAGC--TGGTCATGCTCGTTTGTTCAGTTCTGTCGTTTTCTTCTCCCTCGTC	7397

Majority	TTTTTG-ATTTTAAATGGAAGCGTGCACAAG-TCAGTCC-----ATCCAGGCTGTACACAGCTGTCCAGGCAGGTGGTAC	
	81770 81780 81790 81800 81810 81820 81830 81840	
Human	TTTTTG---CTTAGTGGGCCCTTAGAATTACTTCTTCTGTTAGAATTAAAAGTGAACCAGAAATTAAGTGATTTAAT	81509
AsianBonytongue	TTTTG---TTCTGTGGAAGCGTGCACAGG--CTGTCC-----TCCAGGCGGTCTCAGCGGTTCCAGGCAGGTGGCAC	8167
Reedfish	AGTTTC-ATTTTAAATGGAGAGAGACTCAATATCAATCAAA---AATCCAGAAAAAACACATTACATAAAAATTTGTAA	39119
NorthernPike	TTCCGATCTAAATAACTTCAGGCTCTGCATTAGTTTGGCACCCACACACAAGCTAGCATGTTACTGGAATAGTGATGC	13201
SpottedGar	CATTCA-ATTTTCATTGTAGCGTGCAGCAAG--CAGTTC-----TTCAAGCTGTAAGTCTGTCAGGCAGCCAGTAC	12215
ParamormyropsKingsLeyac	ATTCT---GTCTTTGGAAGCGTGCACAAG--CGGTCC-----TCCAGGCGTCCAGCTGTCCAGGCAGGAGGCAC	7463

Majority	TCTGTTTTCGGGGACGACTGCTAGTGAGAGTGCG-----TT-----GACTCC---AGCGCCAAGTCTAGTGCTCA-AGAAT	
	81850 81860 81870 81880 81890 81900 81910 81920	
Human	TTTTTTATTGTGGCAAAGATCTAGTCCAAATATC----TTTGATGGACTTTTTGAAAACAGACTTTATTGTTAAAAAGGG	81585
AsianBonytongue	GCCCTCTACGGGACGACTGCCAGTGAGAGCGCC----TT-----GACCCC---CGCACCAGCCAGTGTCTCA--GAAT	8233
Reedfish	ATTGATTTGCATGTCAATTGATTGAAATAAGTAT-----TT-----GATCCC---AGCCAGAATACTGGCTCCACAGATT	39186
NorthernPike	TGTGTTCTCTAGGAGGATTTGTCTTTTTAGCACGACCGTGTCTAATCTTTTTAAAGAGGAAAGTATGGTACGTT-AGATC	13280
SpottedGar	CCCAACATCAGGACTACAGCAAGTGAGAGTGCA----TT-----AACACC---AGCTCCAAGTCCAGTGTCTCA--GAAT	12281
ParamormyropsKingsLeyac	CCGACGTCGGGACGACGGCCAGCGAGAGTGCG----CT-----GACGCC---GGCGCCAGCCCCGTGCTGC--GGAT	7529

Majority	AATT----AT-TGACA----ATATGTTCTA-----TCCTGTCACTCTGGATGTTCTTCAA-CAGGTATGGCTTTAGTTGT	
	81930 81940 81950 81960 81970 81980 81990 82000	
Human	AATTTGAGGCTTGGTACTGAACCTTCTTCTGCATGCCATATGAAGTTGGTGGTTTTTTGT--TTGTTGGCATCAGTGGG	81663
AsianBonytongue	AATC----AT-TGACA----ACATGTTCTA-----TCCCGTCACTCTGGATGTCCTTCAA-CAGGTACAGGCTGCAATT--	8296
Reedfish	GACT---GTGTGCC---ATATGGCACACAGATTACAATCAGTCAATCAATCAATCAATCACAGATACTCCTGATCTC	39258
NorthernPike	CTGTGGAGATGTTTCATCAGTGTTCATTTTA-----TTCCAAACTTAAAATATTTTGCATTAAGATCCTAATTAGGTTGT	13355
SpottedGar	AATC----AT-TGACA----ATATGTTTTA-----CCCTGTTACACTGGATGTTCTTCCAG-CAGGTAAGTTGGTATTTTA	12346
ParamormyropsKingsLeyac	AATC----AT-CGACA----ATATGTTCTA-----TCCTGTCACTCTGGACGTCCTTCAA-CAGGTATGGCACTCGTGGT	7594

Majority	CACTCATTATTTCTATCAACTTTAA--G--TGGTTA-----TGTTTATCTTGA--CGTT--AACTTTTTACAGGAAGC	
	82010 82020 82030 82040 82050 82060 82070 82080	
Human	ATCTCATACAGACTATGGAATTTAATAGAATTTTTAAGATACTGTTTTTCTAAAAGGTAGCTAACTAAAGGCAGGAAAA	81743
AsianBonytongue	-----ATTTCTGTTTCCCTTC-----C--CTA-----CCTTTATCCTG---CAC---AACTTTTTACAAAAA--	8346
Reedfish	AACTCATTATGTGTATAAAGCAGCCTTG--TCCACA-----GAATCAATTTCTTCCATTCCAACCTTCTCCACCACCATG	39330
NorthernPike	CCTAGCCTAATGTTTTAGCTTTAA--A--CACGTATTGGTGGGACTGACTCAATGTGTT--GCCTTCTCCTGAACCTAAC	13429
SpottedGar	TACTCTTAACTTTTGTCTGGTTTA-----TGGTTA-----TTTTTAACTTGA--CATTA-AATTTTATTTAGGCAGT	12411
ParamormyropsKingsLeyac	CATGCGCCCTCGCTATAAACCACAGAGG--CGGCCG-----CGTTCGTCTTCT--CGT---ATGTGCGGATAGGAAGC	7660

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Majority	-TTGAAAGATCTAAGAGTTAGATGACATTTTTT-TGACTTGTGTTTTTA---GTACAAGC-TGTATTGGA----G-TGTC								
	82090	82100	82110	82120	82130	82140	82150	82160	
Human	-TAGAATGATGTAACAATAATAATGACTACATCTGGAGTTTCTGCTACTA---ATAAATAATTGTATTGTCAACTTTAGTC								81819
AsianBonytongue	-----AAATCTAA---CAGATGTCTTTTGCT-TGATTTTTATTTTAA---TAGCAAGC-TGTGCTAG-----GTC								8403
Reedfish	--GGCAAGACCAAGAGCTATCAAAGGATTTCCAGGACAAGATTGTAGACCTGCACAAGGCTGGAATGGGCTACAAGACC								39408
NorthernPike	TTTTAATGAGTTGTGAGTTTAGTTACATGCTTT--AACTTTGGTACTCA--CCACTACAT-TGTGAGAGA---GCATTC								13500
SpottedGar	GTTCTTAGATCCCAAGCACAGGTACCATTTTTTATGTCTTGTCTTTAA---GCACAAGAGTGAATCAGA---GGTGTC								12484
ParamormyropsKingsLeyae	CAGACGGGGCTGAGGACTGCAAGGCAGTGCTA--GGCCTGGGTACTTA---GTTTATGC-TTTACCAGAA-----TTTC								7727

Majority	ATGAAGTCT---CAGTTGTTAATG-----TTATGTGCATAGTTTGACAGATATTTTCAAATG---GAAGACAGTTTT								
	82170	82180	82190	82200	82210	82220	82230	82240	
Human	AAATATTCTGTGCATTCAGTCAGAG-----CTATCTGAAAATACTGACGAATAGTATTACAATATGGGGAGGTCACTTCT								81894
AsianBonytongue	AACCAAGACT---TACTTTCAAAT-----ATTCAAAGAATTTTTTCGAAAT-----AACATTATTTTC								8457
Reedfish	ATCAGCAAG---AAGCTTGGTGAGA-----AGTTGAGAAGTGTGGTGTGATTATCCAGAAATG---GAAGAAATATAA								39476
NorthernPike	AAGTGGTGTGGGAGTTTCTCAATCGGCCCTTGCTCACTTGGTTTGGCTACACGTAGTAACTATAGAAACATGTCACTTTG								13580
SpottedGar	ATTAATGT---AGCTTTTCTAACC-----AGACCTGTTTCAATTGACAGATATTTTCAAATTT---TGAACTGTTAT								12552
ParamormyropsKingsLeyae	ATGGTGTGCG---CAACCAAATGGAG-----TTAGGGACAAAGGATAGCAGATAGTGCCAGTGTG---GGAAGCGGTACA								7795

Majority	TATGACCGTTA--CATCCTCAAACGTGA-GTCA-TGTGTTTGGCTTTGCATTTGGTGAATGTAATGGTGGATACGGTGAA								
	82250	82260	82270	82280	82290	82300	82310	82320	
Human	CAAGACTGCAAGAAAAAATTTGTTGTGTGTAGGAATGTTTGCCTAGGAATTAGGAATGTATACTTGACAACAAGTGAAC								81974
AsianBonytongue	TACGTGCGTTA--CA-----GACAGCA-GT---GTTT---GTTATGCACCTGCTGCTTTTCATTGGCAGATCTTCT---								8518
Reedfish	AATGACCATCAGTCGCCCTCGGTCTGGA-GC-ACCATGCAGGATCTTGCATAGGGTGAGGATGATCATGAGAAAGGTGAG								39554
NorthernPike	AATGTGAGTGCTAAATCCGCAAAAAGGTAACAATTATGTTT-TCTTTTTAGATGGTACATCTAACGGGAGTGACAGTAAA								13659
SpottedGar	GAAGATCATTA--CATTCACAAAGAACA-ATCA--GTTTCAAGCTTACTTCAGTTTAATGACCCAGTGAATGCCAGCA								12627
ParamormyropsKingsLeyae	TAGGGCAGCTA--CAGGTTGAAACTATC-ATCGATGTGTTGGGCAATGTGATGGC--AATGTAACAGTGGAGGGCGCT--								7868

Majority	GGCCTAATTGTGAAGTACACGATAGAAACTTGTCACTTTTTATATTC-GAAGATGTGGTGAT-GTGACGAAAGAGACTATT								
	82330	82340	82350	82360	82370	82380	82390	82400	
Human	GTATCCATTGAATGTTAAATGAGAACAACCTATGGGGAGGATAGTG-AGAGGTATAGTATTTAACATGGAAAAGTTAGTA								82053
AsianBonytongue	--CCAAATTTGGAAGTGT-CAT--GAAAAATCATCACATTTACAAA--GAACAACCAGTTC-----CAAGCTTTACTGC-								8584
Reedfish	GGATCAGCCCAAACTACACGGTAGGAGCTTGTTAATGATCTTAAG-GCAGTTGGGACCACAGTCACCAAGAACACCATT								39633
NorthernPike	AAGCTGAGAGTGAAGACAGGATGGAGGCTGCTCCCTCTCGTGTCTGCACATCAGAAAAC--TTCCCAATGAAACTACA								13737
SpottedGar	AGCCAAATTTGGTGAAGTGA-AGACAGAAAATGGCTATTTTTATGTTT-AAACAGTTGGTGTGCATGTGCAAGAGACTAGC								12705
ParamormyropsKingsLeyae	ATCTGGTCTTGACGGAC-CCACCCAAAATCTCCAAGGTT-TAGTC-AATGACGAGGTGATGGGGACAAAACAAGCCATT								7944

Majority	AAGTTATAGATTATTTTCAT---GGTAAATGCAAATTTGGGCTA-T-AAAGCCAGCCTGGTG---ATT-TGCTTTA-TGAGC								
	82410	82420	82430	82440	82450	82460	82470	82480	
Human	ATATAGTAGAATATTTGGT-TGAAAAGATCCACATTTGGTGTATTCAAAGACACACTGAAGACTATTGTGCATTAGTAAGT								82132
AsianBonytongue	-AGTTCAA--TGATCCC-----GTGAATGCCACG-----AAGCCAAACTGGTG---AGT-CGCCTTG-CGTAC								8640
Reedfish	-GGCAACACACTACTGCATACAGGCTGTCTTAAGTTTGTCTAGTGAACGTCTAAGTGATTTCAGAGA-AGGCTTG-GGAGA								39710
NorthernPike	GAAACGGAGGTCATTGCCT---TGGGGTTACCTTTTGGGAAAGTCACAAATATCCTGACGCTAAAGGGAAAAAACAGGT								13814
SpottedGar	AAGTTATG--CTATCTT-----TAAATGCAAATTTGACTT---GATCCAGCATGGTC---AAT-GGCTTTA-AGAAC								12768
ParamormyropsKingsLeyae	CAGGTACAGTTTATCTAA--AGGTAAGTGCAAACTGAACTG---CTTCATGCGCAGTT---CTT-TGTTTT--TGTGC								8011

Majority	ATTTAATGTTAGAATGCTGTAATTGTATT--ATTTGCTGTTAATTGTATATATTTGTTTTAAGT-TATTAGGGGTTATGA								
	82490	82500	82510	82520	82530	82540	82550	82560	
Human	ATTAAACATGAGAATTCT-TAATTTTAAA--ATTGGACCCTAATTTCTGAGATTTACTTTAAGAATAAAAAGGGGATGAAA								82209
AsianBonytongue	-----AATGCT-TAATTTACT--ACTTGCTGATAAT-GTATATATTTCTTTTGAAT-CCCCAGACTGTATGA								8703
Reedfish	AAGTGTGTGAAAGTGTCTCAGATGAAACCAAAATCGATCTCTTTGGAATCAACTTGACCCGCCG-TGTTTGGAGGAAGAG								39789
NorthernPike	GAGTGAGAATA-AACGAAGCAGCCATTTTAGAATTTCTGTTACGGACATTCCTTATCACAATATAAACGCAACATGCA								13893
SpottedGar	CTTTACTTTTGTATTGTTGCAATTGTATTGATTTAAGATCAATAGTATGTACTTGCCTTAAGT-CATTAGTCTTTTTGG								12847
ParamormyropsKingsLeyae	ATTTAATGA-GGAAAGTGATGACAGCATC--AGTCCCT--CGTTTGATAGATCTTTTCCAAGT-TCGGAACGGTTCATGA								8085

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Majority -ACTACGTCAAATGTG---TTATGAAATGTTTCGTGCCATAAAC-ATTCTACACA-GTTTGCT-TGTGATCACTTACATG
 83050 83060 83070 83080 83090 83100 83110 83120
 Human GAAGAAATAAAATGTGAACTTATGGAACAAGAGTGCTAAGGGCCTGTTCTACCCAGGTATGTTATGAAATCAAATTCATT 82765
 AsianBonytongue -AAAAAGTCTAC-----ACATGGAATGTT-----TAAAA-ATGTCTAAGTA-GTTTGCT-TAAGATGACTGACAAA 9147
 Reedfish -AACACAAGAAACGTC---TTACCAC-TGTGCTTGCCAAAAAGGGTTCTCCACC-AAGTACTAAGTCATGTTTTGCTTG 40308
 NorthernPike -GCAACGTCCCAGTGT---TCATTCAATACTCCAACCACAAAG-AACTCAAAC--AGATGCT---GGA-AACCAACGGG 14405
 SpottedGar -ACTTTGCCCGATGTA---AAATGACATGTTTCGTGTTGTAAAC-ATTGTTAAAT--GTTTGCC-AGTGGGCACAAAGAAG 13327
 ParamormyropsKingsLeyae GCTCGGTGAGGGAGG---GTTTGAGACGAGAGTTGCCTAAACCAATGTTTCCCA-ACCTGCTCTTTGGGCACCCCCAGA 8555

Majority GAGTTAGAATGTTT---TGTTGTGTCAGTG---GGTAAGGATCTTGTAAC-----CTTATGTGAGCCAGTTTATATG
 83130 83140 83150 83160 83170 83180 83190 83200
 Human TAGTTTGGGTGTTTGTCTCTTTATGTTGGGAAGATAAAAAAGAACATATAATTCGTTTCTTGAGTGAACCAGTATTTATG 82845
 AsianBonytongue AAC--ATAATGTT---TGAAGAATCAATA---GGTGAGAAGCATGAAAC-----CGGATTTAGGCTCATTCTCTCT 9211
 Reedfish GGTATCAAATACTT---ATTTGTCTCAGTGTCAAGGGAATTTATAACT-----TTTATGTAATGCGTTTTTTCTG 40379
 NorthernPike CCCAGGCAGTCTG--CAGGCAGTGTGACG---GTCCAGGGGGCGGTACC-----CCCACATCAGGC--TCCACAGT 14472
 SpottedGar GAATGAGAATATAA---TGGAATTTGGGTT---GATTTAAATCTTGCTTCT-----CACACCCAACAAAGTGATAAG 13394
 ParamormyropsKingsLeyae CAGT--CCATGTTT---TCTTGTGGGAGGG---AGCACAAAGTGTAGACGGT-----CTGGGGGTCCCTGAGGACTGG 8620

Majority GGTATTGGTTTAGTATCTAAAGCTTCTTTGGGGGAA-----TCTAGTGTAGTAATGATTGAAATAT--ATTATACTTG
 83210 83220 83230 83240 83250 83260 83270 83280
 Human AGAAATAAGCTGGGTGTGTAAGAATTTAAGGGATGAAAATATTCGAAGTTGATTGGTAATTGAAAAGTAGATGAACGGTG 82925
 AsianBonytongue ATTTCTTG--CAAACAGCAGAAGCTGCTTAGAGGGAA-----TCTATTGTAGTGCTTGTGAAATTAC--ATTAACCTG 9281
 Reedfish GGTTTTTGATTTGATATCTGTCTCTCTCCATTAATA-----TGAAACTACCATGAAATTAG--ATACTGTTC 40446
 NorthernPike AGATCTGGCTCTAACAGCTGCATCCAGCCAGTGTCT-----AGAATAATAATTGACA-ACATGTTCTACCCA 14539
 SpottedGar GGTAAATGGGTAAGCATTTAAGGAGTCTTTGGGGGAA-----CATAGTGTAGCACTGATTGAAA-----ATTATCCTTG 13463
 ParamormyropsKingsLeyae GTTCAGAAACCCTGTGTCTAAAGGCTTTTGTGTGAAG-----TATGAAGAAGAAATGAAGATACAGT--ACAGCATATG 8693

Majority TTTGTTTTGTTGGTCTTCATCATATATGTTGGTAGATCTGTATTGAATCTCTGT-CTGTGGACAGAATTTAATGTACA
 83290 83300 83310 83320 83330 83340 83350 83360
 Human CTAACACAAAAGGGAATCTGTCTAGAATAA-ATGAAAATATGGTGACTTAAAGAT-AGTAGGACAGCAATAAGACTGGA 83003
 AsianBonytongue -TGATTTTATTTTTCTCTTTCTGTAATGTGCTAGGCGTGTATAAGATCCTCTG----TGAAAAGAATTTAATGTACA 9355
 Reedfish TTTGT-TCGTAAGTGAGCAAACATAAATTCAGCAGGAGATCAAATTTATTCCTCA-CTGTACATGTAATGTAACAGG 40524
 NorthernPike GTCACCTGGATGTACTGCAGCAGGTAGTGT--ACGGTCTCTACCGACTCAGATATGCAGTGCACATTCTTTGTTGCACT 14617
 SpottedGar GCTGTTGAACTGCTTTCTCACAGTATATGTTGTAGATTTA-ATGGCATTGTCTG----TTAAAAGAATTTAATGTACA 13537
 ParamormyropsKingsLeyae CTGTG-TGTGCTTCTCAGTCATTGGGTGAGTTACACCTGTGTAGGACTTACTGA-TTGTGACAGAGCTGACCACCC 8771

Majority CATTTTCCCTATGTACTCCATCTGGAATGGTATCTCC--CTGTCTAGTGTGGAGGGTTTCCATCTTCTCTGTGTTT-
 83370 83380 83390 83400 83410 83420 83430 83440
 Human AATTAGAACAAATAAAATAAGAAGGAAATGATAACATAGATTGGGAAAGGATAGGAAAATACTGAAACAAAATCTGTGTT- 83082
 AsianBonytongue CATTTTCCCTCAGGTACTCCATCTGGAATGGTAGCTCC--CTATTCTAGTGGTGGAGGGTTTCCATCTTCTCTGGCTTT- 9432
 Reedfish TTTTATTAATATTTAATAAAAG-AGTATAATGTGTAG--TAGAAATGTTTTAATAAAGCTTCAGCTTTGTATCAGTCTT- 40600
 NorthernPike CCGTTGTGC-ATAAATGACAGCTACTTCTGCCCTGAAAGTGGTTTTAATATTGAAATCTTCACAGCTCAGTTGTATTTTC 14696
 SpottedGar AATTTTCCCTTAGGTACTCTCTGGAATGGTATCTCC--CTATTCTGGCGGTGGAGGGTTTCCATCTCTCTGGTTTT- 13614
 ParamormyropsKingsLeyae CTCCCTCTAGGAACCTCCATCTGGAATGGTACTCC--CTACACCAGTGGCGGGCATTCCCATCCACCCTCAGCTTT- 8848

Majority -GCACAGGGTGG-----AGGTACTTGTACTTTCATTT---CTGATTTTTTGTTTATGTTGTTTTTA-----TTTG
 83450 83460 83470 83480 83490 83500 83510 83520
 Human -GTATAGTGATG-----GTTTCTGTTCTTTCAACCGGGAGAGTGTGTGTTGAAGGAACTTGTAATTCATTTTAATTAC 83155
 AsianBonytongue -GCACAGGGTGG-----AGGTACTTACTTCCATTT---ATGATTTTTTGTCTTCTGTTGCTAACACCATTCT--TTCA 9501
 Reedfish -AACATAGTGCTGTGAGGTACGCTTGTAGTGTTA---CTGTTAGTTTGTCTTTGGTCTTTTTTAGAACAGTC--CTTT 40674
 NorthernPike AATGTGGGGCGAGAGAAAAATCCTGTACTGTTATTT---CCCCTTTGTCTGCAAGATCTTCTCA-----AAG 14762
 SpottedGar -GCCAGGGTGG-----AGGTACTTGTACTTTCATTT-----ATGGTCTGTTCCAGGCTGTTCTGTG-----TTCA 13671
 ParamormyropsKingsLeyae GCACAGAGCGG-----AGGTATTTAT-CTTCCATCT---TAAATTTACCTCTTTGTTG-TAATA-----TGTG 8907

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Majority	GTTATTTATGCTGCAGTAATCGTATCTCTGTTACATCACTCAGAATTTATTTAGACATTATTGGCTT-----							
	84490	84500	84510	84520	84530	84540	84550	84560
Human	ACTTTATTTCCCTTAAACAGTCACTGTCTCT-TTATATCTATATCTATATATGTATATTTTTTAAACCTA-----							
AsianBonytongue	AGTATTCACGCTTCAGTTAAAGTAACTTTGCTAAGTTATTTTAAACATAAACCAACAGATTTTCTCG-----							
Reedfish	GTTATTTTAAATGT-GTAAACCCATGCTAGTTACATCATTGAGAATTTCTTTAATCTTTATTACCTTAGAGGTTAAACAA							
NorthernPike	GCAGCTGCTGCTGCAGGGAGGGTGGCCCTGTGAGCCACTCCGGCTCCAGCGGGTGTCTCTGGCTCCAACCTCAACGA							
SpottedGar	GTGATGTA-ACTGCATTAATATATATGTGTAGCACATTTCCCAAAAGTGCTTCTGACATAAGGGGCTT-----							
ParamormyropsKingsLeyae	AACATTCA-----TGAGCACTGCTCTGCAGAAATGCCTCAGCTACCATTTAGTCAGCACTGGCTC-----							

Majority	--TGCTAAATG-CCTTTGCAATTATCTCTGCAGT---ATTCTAGTTTGTGTC-AACAATCTATTCTGTTAACTTAAACATATA							
	84570	84580	84590	84600	84610	84620	84630	84640
Human	--ACCTATTTTTTCTTAAAGAAAATATGGTGAAGT---ACTGTAGTTTGGC--TTATCTT--TTTGTGTCTCAAAGGCA							
AsianBonytongue	--TTCTGAAGG-GCTTGGCTTGATCTCTGGAGT---TTTCTATTTTCTCTAACAAATCCATTCTGATATCTTAATGTGAA							
Reedfish	TGTGTTAAATGTATTATGTAATTATCCATATCAGGTAATTTAAGTTTATAGTAAAATGCTCTCAGTTAATTTAATCAAAA							
NorthernPike	AGAGGTCAGTGCCCCCTCAACTGCCCCACCTC---CACACATAGGCCTAACACCCCTCCCCGCTAGTTCTCATTTG							
SpottedGar	--TGCTT-----CTTTGGAATCACCTAAGCAGG---TCTCGGCTTATTC-AACAATATATTACACCCACTTAACTGATA							
ParamormyropsKingsLeyae	-AGCTAA-----CTCTTCTGACTCACTGATGC---ATTCTAATTTCCC--ATAACAT-TGTTGTTACCAGCCATACA							

Majority	AT---AATTATATAGTTAATTT-TAGCTA-----TTGTTTTTCATTTTTTTGTTTTTTTCAA--TTTTTGCTTTCTTTT							
	84650	84660	84670	84680	84690	84700	84710	84720
Human	AATGTGATCTAATTTGCAAAT-TAACTGTA-----AAACAATTTTGTCTTTTGCCTTTTCTA--ATTATTTGCTTGTTT							
AsianBonytongue	AT---AACT-TATAGATAA-----GTTA-----ATAATGTTTCAGTGGCTTGTTTTTT-----TTTTGGCTTGCTTT							
Reedfish	TCCTAAATAAAATAGTAAACT-GTATTAGTTCAATTTTGTCTTCACTTTTTTGTAGTTAAACTGTGTATTTGGTTT							
NorthernPike	ATTCCTTCTGAACTCTCTCGCTCGCTCTCTTTGTGTTTCTCTCTTTTTTTTTTCTCTCGCGCTCTCTCTCCCTCGCT							
SpottedGar	AC---AAAAATATAGTTGATTG-TAGCTC-----TTGTTGTTTCATGTTTTATTTTCTAAACTATTTTGTGTTGCTTT							
ParamormyropsKingsLeyae	CG---GATG--ATAGGAAA-----CAA-----TGCGGATTTATTTTCTACCCCTCCA-----TCCCCCACACTC							

Majority	GTTTT--TATGCTTGCAATAT-ATCGTTT-TTGTTAATTTCTTGCTTTTTGG-CTGTTCTACTGAAATCCGTTTTTCTTTT							
	84730	84740	84750	84760	84770	84780	84790	84800
Human	ATTT---CATGCTTATATGTCAATGCAATTTTTTTTAAACTTATTTTATGT---GACTACTCTAATACATTTTTCTTTG							
AsianBonytongue	GTTTA--TATGCTGGCACATTAATCGCTT-CTGTCCTTTTCTTGCTTTAAAATGTATTTCTACTGAAATCCGTTTTTCTT-C							
Reedfish	TTGTTGCTATGCTTGCTTAT-ATCATTGTGTTAACTTTCTGCTTTTTTGTGCTTTCTATTGATGCACATTTTTCTTTT							
NorthernPike	CTCTCTTCTGTTTCTCTCTGCTCCATGATGCCAGGCTGCCAGTTGACTGAGCCCTCTCCCCAGATATATCAAA							
SpottedGar	GTATT--TGTGCTTACATAT-GTCATAT-TTGTTAAATCTTGGCTTTGTGG-AAATTCATTGAAATACCTCTTTCTTTT							
ParamormyropsKingsLeyae	ATTT-----TGCTTTCAAAT-AACGTTT-TCATTAAGCTCCAGACTTGTGC-TCGTATATCTTACGTCGGTTTCTTGTCT							

Majority	AAGGTTCTC-TTCC---AAAAAATTGATGAGGAGCTCTTCCAGTCTT-TTAGC--TGTTTTTTTTC---TTTTTGCCC							
	84810	84820	84830	84840	84850	84860	84870	84880
Human	AAGGTTCT---TCC---AAAGATCTTGACGAGGCACTCTTCCCGTCTTTCTTAGT---AATTTTTTC-----TTTGC--							
AsianBonytongue	AAGGTTTTTTC-GTC---AAAAGAATGGATGGGCAGCTCATTTCTAGTCTT-TTAGCCATGGTTTTTTTTTCTTTTTTTTTTCC							
Reedfish	AAGGGTCCC-CCC---AAAGAGCTTGATGAGGTGCTCTATCCAGTCTT-TTAGT---AGTG--T-TC-----TCTATAC							
NorthernPike	AGGGACACAAGTCTATAAACTAATTTGACTTTGACTCCTTTCTAACCTC-TCTGCCATGTTGAACTGACTGAAGCTGGTT							
SpottedGar	AAGGTTCTC-TCCC---AAGAGAATTGATGAGGGGCACTTTCCAGTCTC-TTAGC---AGTA--TTT---TCTTTGC--							
ParamormyropsKingsLeyae	AAACTGTG-TTCA---TGCATGATTCTCAAAGAGGGGACCCCTTCCCTTTGCTCTGTTTTCTTTACAGATTTGACCA							

Majority	-----T--AGTTTTTGGTCACTGTCTTCTAAACTCATTCTTTTACATTCTT--TTCTTTCTCTATCCTACTT							
	84890	84900	84910	84920	84930	84940	84950	84960
Human	-----AGTTATTAGTCATTGTCTTCTAAATAATTTTTTAACTTTATT--CCCCACCCCTTCTTCTCTT							
AsianBonytongue	TTTTTTCTTTCTTTAGCATATTTGGTCACTTTTTTCTAAACACACTCTCACACTCTT--TCCTTCTCTCTCCACTT							
Reedfish	-----AGATCTTGGTCACTGTCTTTTGTACTCATTCTTTTACACTTG---TTATTAAC-----AAAT							
NorthernPike	AACTTTTTTTCTTCTTCTCTAAGCTTTCTATCTGGCTCAATGTGTCATGATGGTTTTGTCTGTCTGAATCACTCTC							
SpottedGar	-----AGATTTTGGCCACTGTCTTCTAAACTCATCTTCTGTACTCCT---TTTTTTGTC-----AACT							
ParamormyropsKingsLeyae	CTTTCG-----TCTCATCTTTCTTTGCTGTGATGAACTGACACTTGTAAATCTTGTCTCTCTCTCTATGCTATGT							

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Majority	TTTACT-CGCTCCTCTTTT-A-ATGTTTTTTCTTTCTATGC-----TCTGGGTCGTTTGCCTTT--ACTCTC-CTGTC	
	84970 84980 84990 85000 85010 85020 85030 85040	
Human	ACCACC-CCCTCCACCCAGTTAAATAAAATTTATTGCTAAGTTA----TTT----TCTTTAGTTGT--ACATTTTATGTC	84521
AsianBonytongue	TTCCCC-TGCTCTGCCTTGT-GTGTACTGCTGCTTGTATGC-----TCTGAATCGTCTGCCTTTGAGCTCTCGCTGGC	10874
Reedfish	CTCTAT-AACTCTTGGTCT-----TTTTCTCTCTCTATGC-----TCT-AGTTATTTGCTTTT--ACTGTC-CTGAT	42100
NorthernPike	ACTATTATTCCTCCGCTTTCATTTTGCAATACATAACTAAACTAAATTTGGTTCCTTTCTCTCTTCTCCTC-CTGGC	16213
SpottedGar	GATACT-CGTTAATCTTG-----GTCTTTTCTCTCTAAGC-----TCT----CGTTTGCCTTT--TCTCTC-CTGAC	14888
ParamormyropsKingsLeyae	TTTTTC-CCCCCTCTCTC-A-ATGTCGTGAACATTTATGAAG----TGTTGGACATATGCCTCTC-TCTCTTTCTGTC	10121
Majority	TTT----TCTTTCTCTTTTCT-GTT-GCTATGAACGCTGG-----TATGAAATGTGGGGGCTCATTATTCCCCTTA	
	85050 85060 85070 85080 85090 85100 85110 85120	
Human	TGG-----TATATTTTATTTT-GAATGCTATGAAAGCTGG-----TATGAAATGTGGGAAGCTCAGTGTATCAGTTT	84587
AsianBonytongue	TTTTAACGTCCTGACTCTTCTCT-GT--GATATCAACGCTGG-----TATGAAATGTGGAGGCCACATCACTTTAGAAA	10945
Reedfish	CTC-----TTTCTACTGTTCT-ATT-GCTTTGAAAGCTGG-----TATGAAATGTAGGGTCTTTCTATTGCCATT	42165
NorthernPike	TTGAGCACTCTGTCTCCCTTCCAGTATCAAATCTCCGACGGAGAGACCCTAAATTTGTGTGTATCCATATACACATGC	16293
SpottedGar	TTT-----CTCTACTGTTTCT-GTT-GCTATGAACGCTGG-----TATGAAATGTGGGAGC---GTTACCCCACTTA	14951
ParamormyropsKingsLeyae	CTT--GTCTCTCTCTCTCTCT-GTC-TCTCTCTCCCTCCC-----CCCTCCCTTT-----TACCCCCCGGA	10180
Majority	GTGGATTATATGATTTAAATTTGTTATCAT--TTTCCCAAACGCTTGT-GGTTTGTGGATTTAA--CATGATTTGCTTT	
	85130 85140 85150 85160 85170 85180 85190 85200	
Human	ATGATGTCTAATTTGAATATTTGTT-TCAT--TTTTAATTTGGCCTCTGTTAATATGAACATTAGC----TTATTTTATCC	84660
AsianBonytongue	GCAGCAAACCGGATTGAAATTTCTTATTAT--TCCCTCAAAGCCTTG--GGTATCAAATTCGA--TGAGATTTTGTTT	11019
Reedfish	AAAGATTACATGATGTCAGTTTATCATGAT--TGCCCTGAAACCT-----GTTTGTGGAATTTAAA-CATATTCTGCTTT	42237
NorthernPike	AAAGACATTAT-AAATATATTTGCCCTCAT-ATGACCCACATGTACAGT--CTGTCTGTGTTTAA-----CATGACTT	16362
SpottedGar	GGGGTATATCA-ATTTAAATTTGCCATGAT--TTTCCCAAACCTTTTGTGAGTTTGTGGATATAA--CATGATGTGCTTT	15026
ParamormyropsKingsLeyae	GTGGATATTACGAGTTGCATTTTCTATCATGATTTCCCAAACGCCCC--GGTTTGTGGATTTAAACATGATGTGCTGT	10258
Majority	GTT-TAATAACATAACTTTGCAAGGTGGTTTT-CATGTCTACACTTGCATGTCTG---AAACGGACTGACCTTGT--CT	
	85210 85220 85230 85240 85250 85260 85270 85280	
Human	ATT-TAATACTATTATCATTCA---CAGTCT-----GCATGCTAAAATGTTTG---AATCAGAGTGCCTTTGT--TT	84724
AsianBonytongue	ATA-CAATGT--TTACTAGGCA---GATTTT-CAAGTCTGCGTCTGCAAG-CCA---AAACCGGCCAAACTTGAGACA	11086
Reedfish	GTTCTGTTACCATAACCTTTCGCAAGGTGGTTTTTCATCAGCACACCTGCATGCTTG---CCGTGTTTGATCCTTGG---	42309
NorthernPike	GTG--AATGCCATAACTCTACCAGGTGGTTTT-ATGTCTGTTCTCTCATGTCCGCTATAAAAAACAGATTTGACTGCT	16438
SpottedGar	GTG-TAGTACCATAACTTTGCAAGGTGGTTTT-CATTTCTACACTTGCATG-CTA---AAACCGATTGAACCAGTG-CA	15098
ParamormyropsKingsLeyae	ATA-TACCAT---AACTTCGCAAGGTGGTTTT-CATGTCCAAACCCGCATGTCTG---ACACGGACTGTGCTTGC---	10325
Majority	TGGTCTTTAAA-----ATTTTGCCTGCATTTCACTACTCTG-----CCATGCTTAAGTTGCTAAAT-TTAAAACCTTAATAT	
	85290 85300 85310 85320 85330 85340 85350 85360	
Human	TTATTTTAAAGA-----CTTTTGCCTGCATTTCAACCAG-----CCATGCTTATGCAGTTAAAGTTCAAAGTTTAAAAA	84794
AsianBonytongue	TGGCCTTTCA-----AGTTTGCCTGCATTTCACTACTTT-----CTTCGCTTCACTTGTAGATCCTAAAACCTTAAGAT	11155
Reedfish	CAGCTTCAGAATAGTTTATTGTTTGCATTTCACTACTCAG-----CCATGCTTAA---GCAG---TTAAAATT--AAA-	42374
NorthernPike	TGGTCTTTGAC---TAATTTGCTTTCATTTCACTACTCTGTATTGCCACACTTCAGATGACATTTCTGAACGTTAATCT	16514
SpottedGar	CCTTCTTTAAC-----AGTTTGCCTGCATTTCACTACTTTG-----CCATGCTTAA---GCTA---TTAAAACGTCAGAT	15161
ParamormyropsKingsLeyae	CAGCCTCGACA-----ATGTGGCTTGCATCCCACTACTCCG-----CTGTGCTGACTTACTAAAT-CTTAAACTGTGTAT	10394
Majority	T----CTTTTGCATGCC-TCCTTCCCTTCATT--GTTAG-----TGTTCTGTA-TTTATTCTTTGATATA-AATGTA-C	
	85370 85380 85390 85400 85410 85420 85430 85440	
Human	T----CCTATGCATGCTT-TCCTTCCCTATGTTGAGATGA-----AATGCTGTAATTTACTCTTTGATATA-GATGTA-C	84862
AsianBonytongue	T----CTGCTGCATACCCTCCCCCCCCCTCATT--ATTACTACATTTATTTGTA-TGTATTCTTTAATATA-AATGTA-C	11226
Reedfish	-----TT-TTGCATGTTA-TTTTCTTTTCACTCAGTCAG-----TGCACTGAA-GGTGTTCTTTAATATA-AATGTA-C	42439
NorthernPike	CTTGCTACTGCATGCGT-TTGTTTTCTTCATT--GCTAGT---TAGTTCATG-ATTACGGTGTGATTTATGATTTGAC	16587
SpottedGar	T----CTTTTGCATGCC-CTTTTCTCTCATT--GTTA-----TATGCTGTA-ATTATTCTTTGATATG-AATGTA-C	15225
ParamormyropsKingsLeyae	C----CTATTGCATGCC-TCCTCCCTTCATT--GTTA-----TGCTGTGAT-TTTATTCTTTGATGTG-AATGTAAC	10459

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Majority	TTTGCCCATGTTTGTCTTGGG--TGA	CTACATTTTGACAGTTA-TTTTCTTG	TATA-----A--A-ATACATAAAC	
	85450	85460	85470	85480
	85490	85500	85510	85520
Human	TTTACCCATATTTGTCTTGGG--TGA	CTACATTTTACTCAGTT---TTTCTTG	TACA-----GTACATAAAC	84925
AsianBonytongue	TTTGCCCATGTTTGTCTTGGG--TGA	CTACATTTGGAACACATA-TTTTCTTG	TATAT----AAAAACAACATAAAC	11298
Reedfish	TTTGCCCATGTTTGTCTTGGG--TGA	CTACATTTTGCACTTTT--TTTCTTG	TAA-----ATACATAAAC	42503
NorthernPike	ATTGA--ATGTTTGTCCAGGGCTTG	ATTACATTTGTCACAGTTTATTTGCT	TGTTTAGTTCT-GACTAAGTACATGA	16664
SpottedGar	TTTGCCACGTTTGTCTATGGG--TGA	CTACATTTGGCACAATTA-TTTTCTTG	TAAA-----AAACATAAAC	15290
ParamormyropsKingsLeyae	CTGCCCCAAGTTTCACTTGGG--TGG	CTACATTTT-TGCAGTTA-ATTTCTCG	TGTGTTTTTAAACGAAAAGAGCAAAC	10535

Majority	---AGCCATTTTCTGACCAAAC	CTCTGCATTTCCCTATGTACTGAC	CTGTATTTTATTTTT---GTTCCCA	ACTCCTT
	85530	85540	85550	85560
	85570	85580	85590	85600
Human	---AACCATTTTCTGACCAAAT	CTCTGCATTTCCCTATGTACTGAC	CTATATTTTATTTTGTGTTTTGT	TCCCAATTCCTT 85002
AsianBonytongue	---AGCCATTTTCTGACCAAAT	CTCTGCATTTCCAGTGTACTGAC	CTGTATTTTATTTTT-----GTT	TCCCAACT--- 11365
Reedfish	---AGCCATTTTCTGACCAAAC	CTCTGCATTTCCCTATGTACTGAC	CTATATTTTATTTTT---GTT	TCCCAACTCCTT 42575
NorthernPike	---AGCCAT--TCTGACC---TC	CTGCATTTCCAGTGTACTGAC	CTGTTTTTTTTGTCCC---CCT	CCCTTATT-TTT 16729
SpottedGar	---AGCCATTTTCTGACCAAAC	CTCTGCATTTCCCTATGTACTGAC	CTATATTTTATTTTT---GTT	TCCCTACTCCTT 15362
ParamormyropsKingsLeyae	CAAGCCATTTTCTGACCAAAC	CTCTGCATTTCCCTATGTACTGAC	CTGTTTTTTATTTTT---GTT	TCCCCCCACTTT 10609

Majority	GT---TTTATTTCTGCATTTGCT	GTTCCTTCCCTTC-----CTCCT	TTTT---CATTCCTTTCCCT---T	TTTTTCT
	85610	85620	85630	85640
	85650	85660	85670	85680
Human	ATTTTTTCTTCTGCATTTGCTGT	TTCCTTCCCATTTCACTCTTTTCC	CTGTGTTCACCTTCCCTTTCTT	TGCTTTT 85082
AsianBonytongue	-----TTTATTTCTGCATTTG	CTGCCCTCCCTAT-----A-CT	CCTTTT---CATTCCTCTCTCCT	-----TTTTTCT 11423
Reedfish	GT---TTTATTTCTGCATTTGCT	ACTCCCTT-----CCCTTTC	-----CATACCTTTACCCT---T	TTTTTTT 42631
NorthernPike	AT---TTTTTATACATTTGCAT	TTCCCTCC-----CTCCGTCT	-----GCCCCGTCCT-----	CTGTCC 16784
SpottedGar	GT---TTTATTTCTGCATTTGCT	AACCTT-----CCCTTTC	-----CATTCCTTTCCCT---C	CTTTCT 15418
ParamormyropsKingsLeyae	GT---TTTCTTCTGCATTTGCT	GTTCCTTCCCTTC-----CC	CTCTTTTTTTTGTTCATTCCTG	TCCCTCCCGTTTGCTT 10680

Majority	GTCTCTTTGCCCT-T---TTTCT	GTCTTCCCTTCCCTTTTC-CCCT	CTTTCATTATCTT---CCCCCT	CCCC--G
	85690	85700	85710	85720
	85730	85740	85750	85760
Human	TCCCAAATGCCCATTCCCTTCC	CTGTCTTATCCTTTATTTTCTT	TGCTTTCATTCCCTGTCTCCAT	TCCCTATG 85162
AsianBonytongue	GCCTCTT-GCCCAT--TATCC	CTCTATCCCTTCTTTTCC-TCT	TCTTTACTATCTG--CCCCAC	CC--CACT--G 11491
Reedfish	GTC-----ATCCCTTCCCTTTC	-CCTCTTCAATACCTT---TC	CTCT-----G	42671
NorthernPike	GTCCGTTTGCTG-----TCT	GTCTGCCCCCCCCCCCCCTT	CCCTGTAAC-----CCT	CT-----G 16842
SpottedGar	TTCTCTT-GCCCTCTGTTTGC	CTTGTTCCTTCCCTTC-CCCT	TTCATTACCTGTCCCCCTCCC	---TCCT--G 15491
ParamormyropsKingsLeyae	GTCTTTTTGTTTTGTTTTTTT	TCCGCCCCCTTTTCTTTAC	CCCTTCGCCCGACCCCTCC	CTTTCCCC--G 10758

Majority	TTCATGCTT-TGTGCTTGAACAAA	--TGTT-CCTTGGACCAACTG	----CCCCAATTA	ACTGCCTTGAACCATGATCC
	85770	85780	85790	85800
	85810	85820	85830	85840
Human	TTCATGCTTCTGTGCTTGAACAAA	--TGTT-CCTCGGACCAACTG	----CCCCAATTA	ACCGCTTGAACCATGATCC 85234
AsianBonytongue	TTCATGCTT-TATGCTTGAACAAA	--TATA-TCTTGGACCAACTG	----CCCCAATTA	ACTACCTTGAACCATGATCC 11563
Reedfish	TTCATGCTT-TGTGCTTGAACAAA	--TGTT-CCTCGGACCAACTG	----CCCCAATTA	ACTGCCTTGAACCATGATCC 42744
NorthernPike	TTCATGCTT-GGTGCTTGAACAAA	ACCTGTTTCCCTTGGACCTAC	CTAAAACCCCAAATTA	ACTGCCTTGAACCATGCTCC 16921
SpottedGar	TTCATGCTT-TGTGCTTGAACAAA	--TGTT-CCTCGGACCAACTG	----CCCCAATTA	ACTGCCTTGAACCATGATCC 15563
ParamormyropsKingsLeyae	TTCATGCTT-TGTGCTTGAACAAA	--TGTT-CCTTGGACCGACTG	----CCCCAATTA	ACTGCCTTGAACCATGATCC 10830

Majority	ATGACCACCT-CACCATTCTACGG	GAAACCACCTTCGTTATGGATG	ATCTGTTTCATCTCCGCTCTT	-----CCTCG
	85850	85860	85870	85880
	85890	85900	85910	85920
Human	ATGACCACCT-CACCATTCTACGG	GAAACCACCTTCGTTATGGATG	ATCTGTTTCATCTCCGCTCTT	-----CCTCG 85304
AsianBonytongue	ATGACCACCT-CACCATTCTACGG	GAAACCACCTTCGTTATGGATG	ATCTGTTTCATCTCCGCTCTT	-----CCTCG 11634
Reedfish	ATGACCACCT-CACCATTCTACGG	GAAACCACCTTCGTTATGGATG	ATCTGTTTCATCTCCGCTCTT	-----CCTCG 42815
NorthernPike	ATGACCACCTTACCATTCTACGG	GAAACCACCTTCGTTATGGATG	ATCTGTTTCATCTCCGCTCTT	-----CCTCG 17001
SpottedGar	ATGACCACCT-CACCATTCTACGG	GAAACCACCTTCGTTATGGATG	ATCTGTTTCATCTCCGCTCTT	-----CCTCG 15634
ParamormyropsKingsLeyae	ATGACCACCT-CACCATTCTACGG	GAAACCACCTTCGTTATGGATG	ATCTGTTTCATCTCCGCTCTT	-----CCTCG 10901

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Majority	ACTCTTCT---CTCTTCTGTCTTACGCTGCTTGTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTAC	
	85930 85940 85950 85960 85970 85980 85990 86000	
Human	ACTCTTCT---CTCTTCTGTCTTACGCTGCTTGTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTAC	85380
AsianBonytongue	ACTCTTCT---TTCTTCTGTCTTACGCTGCTTGTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTAC	11710
Reedfish	ACTCTTCT---CTCTTCTGTCTTATGCTGCTTGTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTT-AC	42890
NorthernPike	ACTCTTCTACCTCTCTACCTGTCTTCCGCTGCTTGTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTAC	17081
SpottedGar	ACTCTTCT---CTCTTCTGTCTTACGCTGCTTGTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTAC	15710
ParamormyropsKingsLeyae	ACTCTTCT---CTCTTCTGTCTTACGCTGCTTGTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTAC	10977

Majority	CCTCTTCGGTATGTTATTGTTAGCACTCTACTTTTT--T-----TTTATTTATTTTA--TTTATTTGTT-ATTCATGTT	
	86010 86020 86030 86040 86050 86060 86070 86080	
Human	CCTCTTCGGTATGTTATTGTTAGCACTATACTTTTA-----TTATTGATTGA----TTTTTGT---TTCACCTT	85443
AsianBonytongue	CCTCTTCGGTATGTTATCGTTAGCACTCTACTTTTTATTTA----TTATCTATCTTATGTTTATTTATT-ATTAATGTT	11785
Reedfish	CCTCTTCGGTATGTTATCGTTAGCACTATACTTTTTATTTATTTGATTTTTTTTTATTTTATTTTATTTTATTTATTT	42970
NorthernPike	CCTGTTTCGGTATGTTAATGTTAGCTCTCTTTTGATG-----TTTATTTCTGTTA---CAAAGATCATTCAAGGT	17149
SpottedGar	CCTCTTCGGTATGTTATTGTTAGCACTCTACTTTTT-----TTTAT-TATTTT---TTTAAATGTT-TTTCATCTT	15776
ParamormyropsKingsLeyae	CCTCTTCGGTATGTTATCATTAGCACTCTACTTTTTATCG----TTTAT--ATCTA-----TATGCGC--ACACACAG	11044

Majority	TTCACTTTTTATT-----TTATTGCTAGTATTTTGGCTTG-TAGTTGATTAGTA-----T	
	86090 86100 86110 86120 86130 86140 86150 86160	
Human	---AATTCCTTATT-----T-GTAGCTAGCACTTTGGCTTA-AAGTTGAATAGTA-----	85487
AsianBonytongue	TTCACTTTTTGTCT-----TTATTGGTAGTGTTTTGGCTTG-TAGTTCAATAGTATTTTGTCTATTTTCATTGTTTCTCCT	11859
Reedfish	TCCACCTTTAATCTTTCTTATAGCTAGCTTTTGGCTTA-TAGTTGATTGGTAACTCTTTGGCTACTCTCTCTCTCTCT	43049
NorthernPike	T--GTTTTTTTT-----TTCTTCTGTATGTTGGTTGGTCTGTTTTTCAGTC-----T	17197
SpottedGar	TTGAATTCT-GAT-----TTATACCTAGCATTTTGGCTTA-CAGTT--GTAGTA-----T	15822
ParamormyropsKingsLeyae	CACACGTTTTTACG-----TTAATGTTAATATTAGTGGTTG-GCCTT-GGTACGG-----T	11092

Majority	CTTTTTTTTTTACTTTTTTTTTTCTTT-----GAA-----ATTTC-----TTCTCCATAGATAGT	
	86170 86180 86190 86200 86210 86220 86230 86240	
Human	-AATCTTTTGTCTATTTTCTTTGCTATTTA-----AAA-----CTCTC-----CATAGACACAAAAT	85538
AsianBonytongue	TTTTTTTGTTTTACCTCTATCTCTATCTTTCACTCTCTCTGCTCACAACACACGTTTTCAAATTTCTCCTAGGTAAT	11939
Reedfish	CTCTCTTTCTTTTCTCTTTTCTCTCTCTC--TCCTCTTTGCTGTGAA-----ATCTT-----TTCTCCATAGACAGT	43116
NorthernPike	CTCTTTAAATGATCCATAGCGTTCTGTTA-----ATGCATGGTAAATGGCA---TGAACAGTAGTTGGA	17260
SpottedGar	CTTTTTTTTTTACTTCTCTCTTTGGCTTT-----AAA-----GTTTC-----TCTCCATAGAAAGT	15874
ParamormyropsKingsLeyae	CTTCTCTAIGTTTGTTTTTTTTTTCTTTTT-----GAAATCTCCATCTCC---TTCTCCATTGATGAT	11152

Majority	TTATGTTAATGCATGGTTAAATATTTTGCATGTA-T--TTATTTTAACTTTA-TCACA-AAGCTTGTTTT-GGAGGGTT	
	86250 86260 86270 86280 86290 86300 86310 86320	
Human	TTGTTTTAATGCATGCTA-ATTTATTTTGCATGGTCT--TTAATTTAATATCATTCAACA-TAGC---TTT--GAGGGTT	85608
AsianBonytongue	TTATTTTCAAGTGCATGGTTAAATATTTTGCATGTG----TGTTTTTACCAT--TCACA-AAGCTTGTTTT-AAAGGGTG	12010
Reedfish	T-ATGTTAATGCATGGTATACTTATTTTGCATGTAATTTTAAATTTTATCATT-TCATG-TAGC--ATTTCTGAAGGCTT	43191
NorthernPike	TTTGCCAAACATCTCACAAGCTTTTTTAACTTCTTTTCACTCTCCACATACACTCGCACAAGCACACCTTGGAACCTCT	17340
SpottedGar	TTATGTTAATGCATGGTTAAATATTTTGCATGTA----TTTTTTTATCATT--TCACA-AAGCTTGTTTT-GGAGGGTG	15945
ParamormyropsKingsLeyae	TTATGTTAATGCATGGTT--ATTATTTTGCATGTAGTGTCTAATTTTACCTTTC-TCATG-AAGCTTGTTTCCGGAGGGTT	11228

Majority	TATCAGAATTTTTCTTT-----TCTCTATTTC-AAATCTTGAT-TTGTTTATTCATTTGGATGAATGTCTCTATCTTTT	
	86330 86340 86350 86360 86370 86380 86390 86400	
Human	TATCAAAAATTAATCTTTTCAAATTCACCTGTTCAAATCTTGATCTCTTTTATTCATTTGTGAGAATGATGAGATTGAG	85688
AsianBonytongue	TACCAGAAGTGTGTTCTC-----TTC-AAATCT-----GTTTATTCCTTTTGGATGAATGTCTCTCTATT	12069
Reedfish	TCTTCCAATCTTTATTTTC-----AAATCTTGAT-TTGTTTATTCATTTGGATGAATGTCTCTCTATCTTTT	43253
NorthernPike	TGTTTATTTTTTGCCAATTTTAA--TTCTGATGAATGATCTCTAT-ATAGCCAGTC-TCTACACTCTCTCTCAATCTTTC	17416
SpottedGar	TATCAGAATGTCTCTTCAA---TCTCTATTTC-AAATCTTGAT-TTATTTATTCATTTGGACGAATGTCTCTATCTTTT	16019
ParamormyropsKingsLeyae	TATCGCAATAGATTCCGT-----CTCTAAGC-TACTGTTCG---GCTCTATTTGATTGGATGAATGTCTCTTTCTTTT	11296

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Majority	C----ACTTTTATGTTTAT-TGTTAGTTTGTGA--T---AACTGT-TTCTATTGAT--CTTCCAC-----TTAA-TTCC	
	86410 86420 86430 86440 86450 86460 86470 86480	
Human	TGATCATGTTGATGTCTGAATGTTTCATTGATATGTCAGAAAGATAATCTTTAGGTGACTTCCACATAAAATTAATTCCA	85768
AsianBonytongue	-----ATTTTTAT-TTTGT-TGTTAATTGGT-----CTG--CTAAATTGA---ATTCCA-----TCAT-TTAA	12119
Reedfish	C----ACATTTC--TAAT-----GTTTGT-----CTG---TAAATTGAGAAATTCAC-----TTTAATTCC	43302
NorthernPike	CTACGACTCTTGT-CCTAACTGTT--TTCCTCA-----CTGTCTGCTCTTCTCCCCTCCTCT---CCTCCCTCC	17481
SpottedGar	C----ACTTTGATGTCTATATATCAGTTTCTGAAATGTTAACTG--TTCTCTTAA---CTTCTAA-----TTAA-TTTC	16083
ParamormyropsKingsLeyae	---CACTTTTACGTTGAG-TATCAAATCTGAAGTACTAACTGTTCTCAATCAAT--CCTCTCT-----TTGTGTTC	11364

Majority	TTTTTCCCTTGGCTGCTTTTCGCTCCAAAACAGGTGTTTATGGTGATGCTCAGCGTGTGAAGATTCTATAACAATAAGAAA	
	86490 86500 86510 86520 86530 86540 86550 86560	
Human	TTTTTGGATTACCTCTCTGTGGCTCCAAAAAAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTATAACAATAAGAAA	85848
AsianBonytongue	TTTTTGCTCTGGAACTTTTACCTTCAAAAACAGGCGTTTATGGAGATGCTCAACGTGTGAAGATACTATATAATAAGAAA	12199
Reedfish	CTTTTCATTTAACTGCTTTTCAATCCAAA-AGGTGTTTATGGTGATGCTCAGCGTGTGAAGATTCTCTATAATAAAAA	43381
NorthernPike	GCTTCCTCTTGTCTGCTCTTGGCTTTAACACAGGGGTTTACGGGGATTGCCAGAGGGTGAAGATTCTCTACAATAAAAAAG	17561
SpottedGar	TTTTCCCCCTGACTGCTTTTCACTCTGAAA-AGGTGTTTATGGTGATGCTCAGCGCGTGAAGATACTTTACAATAAGAAA	16162
ParamormyropsKingsLeyae	CCATCTCCCTGGCCATCTCGCTGGGGGAAAAGGAGTTTACGGCGATGCGCAGCGTGTGAAGATACTATAACAATAAAAA	11444

Majority	GACAGTGCTCTGATACAGATGGCTGATGGAAATCAAGCTCAGCTTGGTAAGATTT---TATTTTTAAGATATTTAAGATT	
	86570 86580 86590 86600 86610 86620 86630 86640	
Human	GACAGCGCTCTAATACAGATGGCTGATGGAAACCAATCACAACTTGGTAAGATTTAACTATGTTTATCTATACATCTTC	85928
AsianBonytongue	GACAGTGCACTCATAACAATGGCTGATGGAAATCAAGCCCAACTGGGTGAGTTGCAGATATTTTTAAATATCTTAAAT	12279
Reedfish	GACAGTGCTCTGATTACAGATGGCAGATGGAAATCAGGCTCAGCTTGGTAAGA-----ATCTAAGGGACCCCTGCAT	43452
NorthernPike	GACAGTGCTCTGATACAGATGGCTGATGCCAACCAAGCCAGCTAGGTAAGATAC---T-CATCCATGATGCTT---C-T	17633
SpottedGar	GACAGTGCTCTGATACAATGGCAGATGCAAATCAAGCTCAGCTTGGTAAGATTT-G--ATTTTTAGGAT-TTTAAGATT	16238
ParamormyropsKingsLeyae	CCAGCAGCGCTCATAACAATGGCCGACGCCAATCAAGCACAGCTTGGTGAG--AT-----TGTCGTAGC-----AAAGC	11511

Majority	ACTTTTTCTTTATTATATATAATAAAATGATTCTAAGTATCTAACTGTACTG--TTTTTCATTACTATCAAGTTTTTTTCTTGC	
	86650 86660 86670 86680 86690 86700 86710 86720	
Human	ACTTCTGCTTTCAAATGCATAATGTGAATGTGCGAATAAAAATAAACTCC-TTTACATCAGTAAGAAATTTTTTAATGG	86007
AsianBonytongue	ACTTTGACCTCAATAAAAAAAAAAAAAAATAAAAGCATTCCACTGGAAGGAAGTAGCATT-CCATCAGGAGTGTTCCTTGC	12358
Reedfish	ACAATATGTATAGGATATCATATAAAATGTTTATGTGAAAGTGTTTATG-TATTCATTTATCTTAAGTACTCGTCTTCT	43531
NorthernPike	GTTTCCCCAACTGTCTGTTCAGAGTGGATCTACATGTCTAATGAATCTC--CACAGGCTAATTTAGTAACGTGTGATGAA	17711
SpottedGar	AAGATTTTTTTGTAGGATTACCAATGATTCTAA--ACCTAAATGAAGG--TTGTCATC-CACCCGAGAAAAAATATGGC	16313
ParamormyropsKingsLeyae	ACTTAAATCCCATTAGATTAGCCTCATGCTAA--TGCTGGCTGTCGTG--CTGCCATCGGATCTTGTTTCTTCTGCA	11587

Majority	CTTGTGT-CCTGATGTTTTTTTTATTG-----TTGTATGGCAA-----GTATTTTTTTACTATGTTTAATTTGT	
	86730 86740 86750 86760 86770 86780 86790 86800	
Human	CCAGGGCTCAAAATGTCATTTTTAATGTGAATAGTTGTATGTGACGAACATATTTGTATTTTTCTGCTATCCTCCTACTGT	86087
AsianBonytongue	CTTGTGT-CCTG-TGCTTTTGTAAATAGG-----TTCCAGACCA-----CCATTACCCTGCATGGTCAAGCAGT	12420
Reedfish	ATAGCATATTTGATCTTTTTTTTTTCCA-----CTGCTTAGCAA-----GGCTAATATAACCTTAAATAATTTAA	43596
NorthernPike	CAGGCTACCGTGTTAGCATGGAATTTGGGTAGTTTGGGGAAA-----TGTATCAGGTTACAACCTATGTTTACT	17782
SpottedGar	CATGTCT-GCAAACGTTTCTTAGATCTG-----AAGTGTATTAA-----CTAGTTTTCCACCATGCGTTAGTTCT	16377
ParamormyropsKingsLeyae	CTTATGA-TACAGTATCTTTAATACTTG-----TGGCAGGGAAA-----AAATTTTTTTTTTCTTTTCAGCCATG	11651

Majority	TATT-----ACAATAAGGGTAGAAGA-----GGTTTGTAAATTTTATTTC-AGTTTGATCTG-----TGTT	
	86810 86820 86830 86840 86850 86860 86870 86880	
Human	TTTTCAAATGCACTCATAATAGGAAGAGATTTTAGCTTCAAATTTGTAATAATAGTTTTCACATGAGAATTATATCATTTA	86167
AsianBonytongue	TGTT-----GCTAATGGTGATAGAATA-----ACTTTGTAATTTTTTCAA-AACTTTACCTGAGG-----TGTT	12478
Reedfish	TACT-----GCACTTAAGGGGGGGGG-----GGTATGTAATTCGTTTTC-TGTGGGTCATAGAGAA-----GTAAT	43657
NorthernPike	TACT-----AAAAAGACAGTAAAAAA-----GTTTACATTTCCATTGTTATTTTCGGTGAT-----TT	17834
SpottedGar	TACC-----ACAATTAAGAATAATAAA-----GGGATGGCATATACTTTC-ATTTCCATTCA-----TGAT	16432
ParamormyropsKingsLeyae	AGTC-----ATCTGAATGGCCAGAAGA-----TGTACGGAAAGATAATCC-GGGTGACTCTG-----T---	11703

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Majority	GTAAGCATTTAAGTTTTTGCA---GTAATTGCCTCTTTAAGAA-C--CAATTTAGATTTTGTA--TTAGGTTGATTAGAG								
	87850	87860	87870	87880	87890	87900	87910	87920	
Human	GTAATATTTTAAATTTTTTGCCATGCTCGTAGTCTGCTTGGGCTGCTGTAACCAAATACCATAGACTGAGTAGATGAAAC								87201
AsianBonytongue	GAAAGCCTTCAAGTTTTTTC---GTAAGAGCTTCTTAGGAAAC--CAGTTTGGTGGTTGCA--TTAGGGTAAAGAGAG								13396
Reedfish	AATATC--TTAAGTGTGTACTT--TGCATTGCCACTTAAT-----CATTCTAGTGCAT-----TTAGTGTGAGCTGAG								44622
NorthernPike	GTGGGGA--ACGGTCTTGGA---ATAAACTACAGTGGTAAACACCTAATAACAAATACTGTGCTTC-----TAGCC								18758
SpottedGar	GTTAAAAAGCTATTTTAACCAT--GCAATCCTTATTTAAGTGTT--AAATTTATATTTTGCACATTAGATGGGTTAATT								17393
ParamormyropsKingsLeyae	GAAAGCATTTAAGTTTTTCCA---GTAAGTGTCTCTTAAA-----CAGCTTTGATTTT-----								12529

Majority	AAAATTCATCTGATTAGACAGAATATT-ACGAGTAAAT-GTCAGGTTTAGCCTGCC--TTG-ATTTCCAAC-ATTG								
	87930	87940	87950	87960	87970	87980	87990	88000	
Human	AACAAAAATGTATTTCTTCAAAGTTTTGAGAAATAAACTTTGGGGTCTAGAAGTCCCAGATGAAACTGCTAGCAGATTG								87281
AsianBonytongue	AGAATCCAGAAGA-GAGAGAGAAAAT-ACATGTACAAT-GTCAGATGAAGTCAGACAGGGTTA-ATTGGCAGTC-CTTG								13471
Reedfish	AAAA--GGCTAGCTAGATATTATTCT-CTGATTTAAAT-GTCAATTCAGAACAGCCAC--TTGCAATTTCCAACA-ACTG								44695
NorthernPike	ATGAGTCATCTGAACGGTCAGAAAATGTACGGG-AAGGTGATCAGGGTGACCTGTCC-----AAGCACACCTCGGTG								18830
SpottedGar	AAAGTTTATTTATGATAAAAATATACT-ACCAAAACATTTGTCCAGTTTAGCATTATTTGCTGCATTTACCATT-AACG								17471
ParamormyropsKingsLeyae	-----C-----AAT-----TCTCTAACT-CCTG								12546

Majority	GAACATGTCAAGTATGACC-----A--TGAATTTCTTTGACCTCT-A-CATCTTAGGCTTTTTCACCGTGCATTTTC								
	88010	88020	88030	88040	88050	88060	88070	88080	
Human	TTTCTGGTGAGGTCCTCTCTTGGCTTGACGCAACCATCTTCCCCTGTGCTCATGTGGCCTTTCCACTGTGCAAGCAC								87361
AsianBonytongue	GCACAGGTCAAATATGAAC-----ATATGACCACATTTGACTTCTCAGTATTATACGCTTATTTACCTAGCATAAAC								13543
Reedfish	A---AGACAAGTGTGCAC-----CATATTTCTTCCATTATCTA-TATCTAGCACTTTTCTGTGTGGACTTTC								44759
NorthernPike	CAGCTTCCAGGGACGGCC-----TGGATGACCAGGGCTCA---C--CAAAGACTTCCACCAAC---T-----								18885
SpottedGar	AAA-ACGTTAATTACCATT-----A-ATGAATTTCTTTAAAAACT-GGCAT-GTAGGCTTTAAAGTCATGCATTTT								17539
ParamormyropsKingsLeyae	C---ATGTGAATTGTAAC-----TG---GCTTTGACCAAC-----								12575

Majority	--T--GAATCTCGTTCCCTTTGTA-----CAGGGATCACAGAAT---GGCACTGCTGCAGATGTCCACTGTTGA-----A								
	88090	88100	88110	88120	88130	88140	88150	88160	
Human	GTAAAGAGTCTCTTCCCCTTGTAAGGATCCTAGTCTGTTGAATCAGGGCTTTACCCTTAATGACCACATTTAACCTTAA								87441
AsianBonytongue	AAT--GCATCTTGTCTTTTGCA-----CAGGGATCGCAAAAT---GGCACTGCTGCAGATGTCCACTGTTGA-----A								13607
Reedfish	CCT--GGCTCTCACTCATATGTGG----TCCCCTTACATATT---GGTACCCTGATAAAGATGAGTAATCA-----A								44824
NorthernPike	-----CCCCGCTCCACCGCTT----CAAGAAGCCCGGCTCCA-AGAACTTCCA-GAACATCTTCCCCTCATCC--A								18948
SpottedGar	--T--GAAAACATTTCTTTTAA-----CAGGGATCACAAAAT---GGCACTGCTGCAGATGGCAACTGTTGA-----A								17601
ParamormyropsKingsLeyae	-----TGTCGTTGCC-----CAGAGACCACAGAAT---GGCACTGCTGCAGATGTCAACGGTGGA-----A								12628

Majority	GAAGCG-ATTCAGGCCTTGATTGACCTGTACAATTACA-----ATATGGGTGACA----ACCATCACCTGAGG--GT								
	88170	88180	88190	88200	88210	88220	88230	88240	
Human	TTACCTCCTTAAAGGCTCTGTTTTTAAGTACAGTTACATT--GGGGTTAGGACTTCAAC--ATATAAATTTGGGGAGGA								87517
AsianBonytongue	GAGGCG-ATTCAGGCCTTGATTGACCTGCACAATTACA-----ATATGGGTGACA----ACCATCACCTGCGG--GT								13672
Reedfish	GATTAATATTCAGTTTTTGGTGGATTACTTTAATCTCACTCTGAAAATATGGGAGAAATCCCACCTTTAACTGAAGTAAC								44904
NorthernPike	CCACCC--TCCACCTCTCCAACATCCCGTAAAGTCTACGAC---ACAGCCCAGAGATCAGATATCTGTTCCCCGAAAATAA								19023
SpottedGar	GAAGCA-ATTCAGGCCTTGATTGACCTTACAATTACA-----ACATGGGAGATA----ATCATCACCTGAGA--GT								17666
ParamormyropsKingsLeyae	GAAGCG-ATTCAGGCCTTGATCGACCTCCACAATTACA-----ACATGGGTGACA----ACCATCACCTGAGG--GT								12693

Majority	CTCC--TTCTCTAAGTCGA---CAATCTGAAAATACTGTTTGGAAAGG-ATTTTTTCTTTTATGG---TCTCTAGAGGC								
	88250	88260	88270	88280	88290	88300	88310	88320	
Human	CACAA--TTCAGTTAATAGTACTTAAATTTGTAA--ATCATTTATCCCAA-ATTTTATAAGATATTG---TCACTAAAGTT								87590
AsianBonytongue	CTCC--TTCTCCAAGTCAA---CCATCTGAACACACTGACGGGGAAGG-ATTCGTTTCTTTGTGG---TCTCAGGAGGC								13742
Reedfish	TTTA--TTCTTAGAAAGAAATCCTAATCAAAAAATAATTTTAAACAAAACCACACATGCCACAATCA---TTTGCAATTAT								44979
NorthernPike	ATCCTCTGGTTTGGGTTGGCTGTGCACCCGAAAGCTAAGTTGACATGTTGTTTGTCCAGTGCAGATGTAACCGAGGAA								19103
SpottedGar	CTCC--TTCTCTAAATCAA---CAATTTGAACATGCTCGCAGGATAAA-ATGTG---TTTACGC---TCTTTAGAAGC								17732
ParamormyropsKingsLeyae	CTCC--TTCTCGAAGTCGA---CTATCTGAA---CGAGTTGAGAGTGG-CTCCT---CTTAATGC---TTTCGAGTGGC								12757

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Majority	ATTCTTT-CTCCTCAATGTGTAGTCTCT-T-ATTAGCTTTTAG--AATTTAATTTTT--GTGTATTTTTATT-----TTTT								
	88810	88820	88830	88840	88850	88860	88870	88880	
Human	ATATATAAATAATAAGTAGATAGAACTACAGGTAGACTTGAGCAAATCTATTATAGTGGTGGATTCAATTCACCTTTTCT								88139
AsianBonytongue	ATTCTG----CCTCAA-GTTTTATTCCT-T-AAAA-----AC--AATTTAATATGA--GTGAGGCTATATT-----TTTT								14164
Reedfish	ATCGATAGATACTTCTGACTTGGACTG-TGTTTAGTTCCCG--AGTTGGATCTTT--TCATTTCCGTACTION-----GCTA								45509
NorthernPike	GTTTCGTT--TACTCTGTCCGGACTCCGATGGACCACATTTTGACTTTTTGACCTCA--TTGT-TTTTCATCTACTTTCT								19611
SpottedGar	GTTCTCTACCCCTCAAAGTGTAGTCTCT-T-ACTAGCTGTGAC--TTATTAATTTCT--GCAGATTTCCCTC-----CTTT								18203
ParamormyropsKingsLeyae	ATGCTTC-CCCTTAA-GTGTAGACC----ATTAACCTAG--AATTCATTTTTTTGTGAATTTTTTCT-----TTTT								13228
Majority	GATTTACATCTAAAATTATCTTAATAGTTAAAGACTAAGAAT-A----A-TTGTGGAAGAC-----CTTAGATGAAT								
	88890	88900	88910	88920	88930	88940	88950	88960	
Human	GAATTACATGTCAAACCTGACCAAAAAAGACAAAATCAACAAGATACAAATGATACAATACAAT-TACCTTAACAGAAT								88218
AsianBonytongue	GATCTA-----TTTATCTTGGTGTGTATGGAATGAGTAT-----TGGCAGAAGAT-----CTGAGATGAGT								14220
Reedfish	GCTTCACAGCAAACTGTCTCTCAAATCCGATGACCACGCATAATTGTAGTTCTGAAGAAG-----TTAATGTGCAA								45582
NorthernPike	AAATGTTATCAGTCATTCCTTCAGAGAATCACAAACCTAGAAGAAA--AAAAAACGGGAAATTTTATCCCTTTTCAATTTGA								19689
SpottedGar	AGTTGAAAATTACATTTTATTTTATTAGTTA-AGATTCAGAGT-----TTTTGTAAGAC-----CTAAGGTGAAC								18267
ParamormyropsKingsLeyae	TTTTTAG---CAAAGTTCATATGAGGAGTAA-GGACCCACA-----TAGCACCAGGC-----CTGA-ATGGTT								13286
Majority	TTTGAATCTA-GTTTTGCAAACATTGAAGTTTTGCGTTTTTATATTGAAC-TT-----ACATTTAGTCATTTCTGTTGTCCG								
	88970	88980	88990	89000	89010	89020	89030	89040	
Human	TATGTGTCTAAGTTATGCATCCAACACAGTTTTTAAACGCATATGGAACATTTTTGAAAAATCAGTCACATACTAAACCA								88298
AsianBonytongue	TTTGA-----GTTCTCAAACATGGAACCTTTAATTTTTTATGATGA-----TTAGTCATCCTGACAACCA								14280
Reedfish	TTTAATTACA-ATATTTAACATGGTGGAAATTAGCCTTTTACATCATAGTTT-----ACATTTATTTACTGAATTGGG								45656
NorthernPike	TCCAGACCGATGTGTAAGTCCCATTCCTTATAGAAAGGCAAGCCTTTTCCACCGTCTCCTCATTATGGTGGGTG								19769
SpottedGar	AAAGGACATC-GTTCTGCTAAGATTGAGGCTG-GGGTGTATTGA-----TTAATCAGTAAATTGTCAG								18331
ParamormyropsKingsLeyae	GTGA-----GGAAACAGTGAGTTTA-ACGTCATTTAT								13318
Majority	TACGGTAAGCTTTTGATGATTTTTTATATTATCGTCAGTGCCTCATTTCTTTTTTTCCCTGTCA-----								
	89050	89060	89070	89080	89090	89100	89110	89120	
Human	TAAAGCAAGCTTTCAGCTAATTTCAAAGAGTATCATACAGACCTCATTTCTTATTGCACAAGTAAAGTTAGAATTAATAACA								88378
AsianBonytongue	-ACGATAAAGCTTTAATGATGTTTA-ATTTATG--AACGTTTTAATAATTTTTTCTTCTT-----								14339
Reedfish	AACGGGATACTTTTATTTTTGTAGTACTGTACCGTCGGCGCCAAGCACCACAATGGCTCTTTGG-----								45720
NorthernPike	GATGAATGGATGTTGGCGCTCTTTTTATTTGTAATAAGTTAAACAAAATGTGCCTTACCTGACAATATCAACTC-T---								19844
SpottedGar	TACATTTCTTTTTGATCATTATCGATATCCAGGCCAGTGCATCATTTATTTTTTCCCTCACA-----								18395
ParamormyropsKingsLeyae									13318
Majority	-TAAGGCAGTTACAAATCCT-TACCTCCTGATTTATATATTTGTGTGCTTGTTCATGTGACGTAATGATTTATTTGT								
	89130	89140	89150	89160	89170	89180	89190	89200	
Human	AAAAGATGCATATAAAATCTGTATCCTGAGATTTAAAAATAAGTCTCAGTATTGCATGAGTCAGAAGTTTGTGTTTGT								88458
AsianBonytongue	-----TTACACATC---ACCTGCTG-TTAGTGTATTTGTACACGTGTGCTTGTGACTGAATATACTTTAAGTAT								14405
Reedfish	-TGGAGGTGCTGGAGAGCCTCGAGGCCAGATCTATATCCTGGAGTGTCTTTTGCACAGCAGTACAGGGATGAAGACGG								45799
NorthernPike	-TTTACATCTAAAATATTACATAAATCCCTGCAGTCTGATTTTGGGCACATTAATTTCTGATGTAAGTGTGTTATTTTC								19923
SpottedGar	-AAAGGCAGTCACAAATCT--GACATCTTAATTCAAATACATTTGGGTTAGTTAGATGTGGAGCAGATTAATCAACACG								18472
ParamormyropsKingsLeyae									13318
Majority	T-----CCAGAACTGACTCCATTTTTGCGTGTGCATTGCCAT----TFACTTTGTCTTTTGTATTTTAAATTGG								
	89210	89220	89230	89240	89250	89260	89270	89280	
Human	TTGTTTTTGGAGCCAGTGTCTTGCTCTGTCCCCAGGGTGGAGTGCAGTGGTGTCTATTGTGGCTCACTGCAGCCTCGACCT								88538
AsianBonytongue	T-----CTTGAACCT---TCCTCTGTGCATTTATACTGCCAT----TFACTTTGTATTTGGTTATTTAAATGG								14468
Reedfish	C-----CGAGAACTGCACCAATTTTGCAGGTGCATGGACAA----TGGCAGAGCTTCAGGCTCATGAAATTGG								45865
NorthernPike	T-----CCCATGTGTGATTGTATTTTTGTTTTACCACCCAAGATGTTTTGCCTTTTCAATTTTGTCTTAAATTCG								19993
SpottedGar	A-----GCATAAAGA--AGCCCAAATAAGAGTACATTACCA-----ACATAGACATTTGTTATCTCTGGCAG								18532
ParamormyropsKingsLeyae									13318

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Majority	ATGTGGTTTTTGCAGAGCATGTACTTATTGGTCTAATGTTAGTCGTATTA AAAACGGGTATTGTTTGCAC TGTGAATGA								
	89290	89300	89310	89320	89330	89340	89350	89360	
Human	CCCAGGCTTAAGCAGTCCTTGCACTTAAGCCTCCAAAGTAGCTAGGACTAAAAGCATGCACCACCTGCCCGGCTAATTTA								88618
AsianBonytongue	ATGTGGTTTTTCC-GAGCATGTACTGACTGGTCTAGT--TAGCCCTGGGTCAAACCTGGTGTTCACATGCAC TGTAAAAAGC								14545
Reedfish	AGAAAAGTGTGGCAGATCAAATGGCCACTGACCCCAAGTGAGTCGTGAAAAGCAGGGCTGGTGATTAAAAATGCAGAAGGA								45945
NorthernPike	CTGTGGTGTGTGGAGTGGGGATCAATAGGAGGTTTGTTCATCAGATGAACAA-ACACATGGTTTGTTCATCTGAATTT								20072
SpottedGar	ATAGGGTTTTAGT-TTGCCATAAAGTATTTCCTAATG-CAGGGATATTATTAAGCAAATTATATGGAAGTTGGATGGA								18610
ParamormyropsKingsLeyae									13318

Majority	TTATTTAT-TTAG--TCTGTAGAGTTGTAGTCTCATTCTGTGTACTGAGTGCAGTAATTTTG--GGGTATATAACATAT								
	89370	89380	89390	89400	89410	89420	89430	89440	
Human	TTATTTATTTATTTTGTAGAGATGAGTTCTCACTGTGTGCCAGACAGAAGTTATTTTAAATGGGAATATAAAAATAC								88698
AsianBonytongue	TGACCGAAGTGAG--TCTACAGGAGCGCCATCACATGCCGATTCTGAAGACAGCAACCCGGT-GGGACCAAAGTTTAT								14622
Reedfish	CAAGGCAG-----ATCATAGAGGCATTGTGAAGCACTGGTGAAGGGAGAGCAACAAAGTTG--AGATCCAGACCATGA								46016
NorthernPike	TTTTTTTTTTTTAACCTTTTTTTTTTTAGATTACTTGGACCATGATGTGTAAAGTTATTTCG--AGACAGACAACCAGT								20150
SpottedGar	TGGCTTAC-CAAG--CCAGAAGAATAGTAATATGTTGCAGTTGTAATAAGTTTAGTAGTTTGG-TTGTATATAACAGAA								18686
ParamormyropsKingsLeyae									13318

Majority	TTGCCATTTAGTGCTAAATTTTCAATATATAAAATTA AAAATAGTTGTACATT---TTGAACTTTTTACCATAAGTTTTA								
	89450	89460	89470	89480	89490	89500	89510	89520	
Human	TTAAAATTAAGCGATAAAGTACTATATACAAATTAGATATATGTGGTACAGTGAAAGAGAAGTCTTGACGGGAAGTTTTA								88778
AsianBonytongue	GTGCC-TTTAGTCTTAATTTACATTGCATT-GCAAAAAATCAGTTGTA-----TTGAACTTTTTGAAATATTTTGTA								14692
Reedfish	ACGTGGTTTGCAGCACCTGTTCATAAATGAAACCGCAAAGAAACGTACATC---TGCACCTCCACACCAGGAGGTTG								46092
NorthernPike	GTTCC-TTTAATCCTTTTTTCATATGCCAGTTTAAAAATGTTTCCCATTTTAGTTGACACATCAACCATTTACTAAA								20229
SpottedGar	TTGCCATTTCAAGGCAGTCTGATTTAAA---AAAAAAAATAGTTGTGGCTC---TTGAATGTGTTAAAGAAAAGTATA								18759
ParamormyropsKingsLeyae									13318

Majority	TT-TTTAAGTATAACATTTTTTA-A-TGAGGAAAGGTGATTGCTAAACAAAAGTA--ATTACATTGTATTXCAGTTGTT								
	89530	89540	89550	89560	89570	89580	89590	89600	
Human	AC--TTTAAGAATAACAGTGTACCACAGGGAAGGAGATATTAAGACAAGACTGGAATCAATGGTATAAAAGACAGT								88856
AsianBonytongue	TT-TCATAAAGACAACATTTATA-----GCAAAAATGACTTGATCAATACAGA---ATTACATAAGGCT---GTTGTA								14758
Reedfish	CCTGCTTGCCCTACAGCTGATCAGTATTGAACACACCTACTGCGCCAAACAACAGCAC-AGTACTTAACATCCCGGTTGTG								46171
NorthernPike	ATAGTCTAAATGTTCAATTCTT-----TATAGGTGTTTTCCTTTCCTTATC-----TGCTTCTATTGCAGTTTAT								20296
SpottedGar	TTCTTTTTGGGGTGATGTCTTTAAAATGGGGAAGAAACACTGTGTGCTTAAAAGTATTGTCTTATTGAATTTAAGTTGAG								18839
ParamormyropsKingsLeyae									13318

Majority	TGATGTACCTGCCTGTGCAGCAAGT-GGTTTCCTTAATGTGTACATTCAAATAGCAGGACA--TAAAGAAACATAAAAAA								
	89610	89620	89630	89640	89650	89660	89670	89680	
Human	TGAGAGAAAAAACATGCCACAAGTTGGATTCTTTGAAAAGACTAAAAAATAGACAAACATCTAAAGATTGATTAAAAA								88936
AsianBonytongue	CCATGACCTCACCTGTACATCCCG--GGTTTCAAGAATGGTTACATTCTTGGAACAG-----TGGTCAAACCTTAGACCA								14830
Reedfish	CCA---CCTGTCAGTGCAGCATGC-AGTATCCCTGCTGTGCCATCTGACAACACAGCACTCCTAAACCTAATGATGAG								46246
NorthernPike	TGATGTACATGGGTAGGAAGTGAGT-GGTTTCTAAGCATGTACTGCCTGGTTCATGGA-----ATAAAAAAAAAGACA								20370
SpottedGar	TATTGTTCCCTCTTGATATAAT-----GGTGTCAATTAATCAGCACATTAAGAGCAAGATA--TTACGTGACCTAGAAAA								18912
ParamormyropsKingsLeyae									13318

Majority	CTGTCACCTGCCTGTGCAGCAAGT-GGTTTCCTTAATGTGTACATTCAAATAGCAGGACA--TAAAGAAACATAAAAAA								
	89690	89700	89710	89720	89730	89740	89750	89760	
Human	ATGAGAGTGGTAACACAAAAAATTTTTTGAATTATAAAGGGGAGAAGCATTGATAAAGCTCCAGTTTCCACATCATAT								89016
AsianBonytongue	CCCTCACTCCTCACTCT---TGCTGATGGATGT-ACCTAAAATATGGGGG-----GAAAAAAGATCCTGTGTCAA-								14897
Reedfish	CCATCAACACTGGCTGCATGACTGAAGCAGGAGGGAAGACCCTCAGCTGTTTCA-CTAGTTTGTGCAC TGTGCAAGG								46325
NorthernPike	TTGTGATACTTAACTCAT---TTAAACTATATGTCATCACTGTCATAATTA-----AACATTATGACCATGTTATG-								20438
SpottedGar	CTGTCACCTAGCCCTGTATTGTGCTTTCCCATGTTATTTTCATGTATATTGTTCCC-ATAAAATAGAATTTGCCCCACAC								18991
ParamormyropsKingsLeyae									13318

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Majority	AGTCATGAGTAGTTCTCTAGGTTTGGTGGGTTTTTATATTTTTTTAAATG--CATAATCTAATACTTTCGAATTTGTATG	
	89770 89780 89790 89800 89810 89820 89830 89840	
Human	AAACACCACATATGTCTGTAAATTTCTTGAGGTCTTTTAAAATTTTTATTATTTCGTTAATAATCTCTTTTCATAGATGGATT	89096
AsianBonytongue	AGTCATGTAT-ATTTTCTGTATTAGTTGGGTTTTTACATCTTTACAAATG--TAAAATTTAGTAGTTTGAATTTGGCACG	14974
Reedfish	AGTTGGAAGT-GGCCGCTGGGCACAGTGACTTTGAAGGGAGGGCTAAAAGATCAAATCCCATACAGTCGAAGTGGGAAG	46404
NorthernPike	----ATGTACAGTTCAAAGGTTTTGCATAATCTTCTGTTCATGCATTGG-AAGAGGCAAACAGGAGAGAACCTGTAGT	20513
SpottedGar	AGTCAGAAGTCATGAAATAAGCATGGAAGGCTTTAAAATTTAATTAATA--CATT-TCTGCTTCCATATCTTCCATATG	19068
ParamormyropsKingsLeyae		13318

Majority	AATGGTAGTTTAAATG-GGATCTCAAAGATGAAGAATTTGAGATTGGTTTGAATTCTATGTCTATTTCC-TTTATTTTA	
	89850 89860 89870 89880 89890 89900 89910 89920	
Human	AAGGGAAATGTAATAA--AATTACATTAATCAAAAATGTCATTTCAATTGTGAAACATTGACTTTTTCC-TTTATTATT	89172
AsianBonytongue	ATTAAGAGTTGATTT-----TCTAACAAGTTGAGAACTTTGACAGTCTTTGATTTCTCTGTCTGTGTAC-TCTGTTTTA	15048
Reedfish	TATTTCTATCGACAAAGTGGCTCTACAGCTATGAAGAACA-AAGAATTTGTTGGAAATCGAGGTACAAGGCCCTCCCATTA	46483
NorthernPike	GATGTCAAATGTGTTCAGTTTACTGAAGAGGGATAACCTGGTTGGGACCAAAGTTTATGTGCCTTTAGTCTTAATTTA	20593
SpottedGar	ACCAGTGGTTTGACCAGGATCCCAAAGATAAAGACTT-GACAATGATTTAAGTATGACACTGATGTTTCATATAATTGG	19147
ParamormyropsKingsLeyae		13318

Majority	CTTCTGATCATTTACGCAATAAGTACTTGTTTAG-CTGTGTTGATCTGTTTTATTTGTGTTTTTTA-ATCTTCTACTGTA	
	89930 89940 89950 89960 89970 89980 89990 90000	
Human	GCCTTGTCATTTTATGCCATATTTCTTGGAAATAG-GAGAGTTCAAGTGTAAGATTACATTGTTTA-AAATTTTATTCAT	89250
AsianBonytongue	CTTCTG-TAGCATGCTCAATAAACACTTCTGTAG-CTCTGTTACCTCTTCTGTCTGCGCTGCCTC--TCTTCTGTGTG	15124
Reedfish	ACCCACACTATTTACATGTTGAGAACTTGAAAATGCAACGTGGAAATGTTTTACTTTTTCATTTTTGCAGTTTAGGTTGAA	46563
NorthernPike	CATTACATCATCAAGGAAAGGAATATAATTTCA--ATAATCTGGTCTTTTGTATATCTGGAAATGAGATCCAGTACCTTA	20671
SpottedGar	ATACTGGTATTTACAGAATATGTACACCCTTT--TTGTGTTGATTTCTTTTATGGAATTTTCTAAACATTCTACAGTA	19225
ParamormyropsKingsLeyae		13318

Majority	TTCTAATTTGCAATTTGGG--ATTTCAATTTTTTTTTATTTAGTAGTAATGCACCTTTATTTTATGAAAAAGCTTCCAAAA	
	90010 90020 90030 90040 90050 90060 90070 90080	
Human	TTAAAATTAGTAATTCAGGTAATTTCTTCTGCTCTGTTTACTCCTTGTGTACTTTTCAGTTTTTGACAAAGCTTTTGTTT	89330
AsianBonytongue	CTCCACCTCACTTTCTG---ATGTCATATTTCTTACAGGGTGGGAAAGCTACACCCTTTATGAAATGGTCCGGAA	15200
Reedfish	GATGAAATGCAAAATGGGGTATTTCAATTTTCAATTTTGCAGCATGAATGCATGTAGACTTTGAAAACGAAATCCAAAA	46643
NorthernPike	TTCTGAAACACAAATCCAC-AGTTATTTTATGCTGATATACATGTCATACCCACTTGTTTTATGAAGAAATCTCACAGC	20750
SpottedGar	GCATACTTTGAATTT-----ATGCAATTTTGTCTTAAAGAAATAACATGAC-TTATTTTCATCAATAGGCCTACAAAA	19298
ParamormyropsKingsLeyae		13318

Majority	TAAAGTTTGCAATTTACATTTTTTATATTTTAAATTTTCATCACTTTACCCATTTTGTATCA-TTTAAGATCAAATTTGTCTTT	
	90090 90100 90110 90120 90130 90140 90150 90160	
Human	TCTTTTTTACTTAAAAATTTTGGTATTCTAATTAATCATCCCTT-TCCCTTTAGATCA-CTTCAGATCCTATTGTGCTG	89408
AsianBonytongue	AA---TTGAACCAAAATGAACAGACTTGACTGCAAAGCACTTT-CCCACCTGTATTA-CTCTGGCTTCTTCTGGTTTT	15274
Reedfish	GAGAGATTGCATTTTCATTTTGTGTTTTTCAATTTTCACTTTTGCAGAAAATGCCTCCCA-TACAGGAACAAAGGTAGCCT	46722
NorthernPike	TCAAGTTTCTGGATAGATGTATCTAAAAAATAAATAAATCAATCAGATTTCTGTCAGTTTAAAGAAAAGTCAATGTA	20830
SpottedGar	TAAC-ATTGAATTTACTGTTTTACTCTCTCTTTTTTATCAAGTTACTTATTTTGTGTTTA-ACTAAAATAAATTAATACAG	19376
ParamormyropsKingsLeyae		13318

Majority	TATCAG-TGGCTTGGATTTTTTTGCATCTAGCTATTTAGTATGCTTTGAGCCTCTGTTTTT---TTTATATAATCCCA	
	90170 90180 90190 90200 90210 90220 90230 90240	
Human	AATCAGCTGGCTAGAACTCTCTGTTACCTGGCTACTTCTGAGGTAGCTGTTTGGTTATTTAGCTTTATTTTAAATCCCA	89488
AsianBonytongue	TAACCC-TGTTTTGTAC-CTAGCTGTAGCTAC-TAATCAGTCTGCTCTGAGCCTCACTCTTT---TCTTCTGCAATCCA	15348
Reedfish	TGGCAG-GAGCTTGATTTTGTGTTCTTAAACCAATTTCTGTTTGAATTTGGAGATATGTTTTT---TGGATCATTGTC	46798
NorthernPike	TATTTTCTATATTAGTTAATTTTTACATCTAGAAATGTACGATTGAGATATAGTTTGTAAAGTGGCACAATAAAATAAAT	20910
SpottedGar	TGCCAG-TGGAGCAGATATAATTTGCATATGTGTGGGAAGAAAGCATAACAACCTCCAGTTTT---TTTTAACTGGAACCA	19452
ParamormyropsKingsLeyae		13318

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Majority	TTCTTTTATCTTCTATTGTTAGGTTTTGATTTGCTGTTACTGA-A-T-ATTTTCTTTTTCAT-CCTCTTCTCATGTAA	
	90250 90260 90270 90280 90290 90300 90310 90320	
Human	TTCCTCTATCACTCATCTGTCTGTATGCAGTTACTATGCCTGGGACTTATTTTCTTATTCTTTCCCTCCATTATCTCAA	89568
AsianBonytongue	-TCTTTCACCTTCTCTCTGCT---TACAGACCCCTTTTACTAA-----ATCCTCTGTCTCAG-CCAATGCTCATAACA	15418
Reedfish	CTGGAAGATAACAACATGACCAGGTTTTAGTTTCTGTCTCAGAGGCAGCCAGATTTAATTTTAA-AATCTCTGGTATTT	46877
NorthernPike	TTCTAACAAAGTCGGGAGGTTTGGTCTGACTTGGTTGTG--TGATTTTGATTTTCTTTTCTCCCTCTCTCTCGT	20987
SpottedGar	CTCTGTTACTTAATTTTATTAC-TTTTGATTGGCTATTGCTTA-----ATTTTTGCGTGA---CAGGTGTAATGTAAA	19523
ParamormyropsKingsLeyae		13318

Majority	AXXXXXXXXXXGXXXXCTXXCXXTXAATXAXXXXXXXXXTXTXTXTXAAXXXXTAAAXXXXXXXXXTXAXXXAXTXAXTT	
	90330 90340 90350 90360 90370 90380 90390 90400	
Human	AGCTCTGCTGTTTGTGCTGTCTTTTTATTAGACAGCTTTTTTCTGACAACGTTAAGT--CTACTTATTTATATCACTT	89646
AsianBonytongue	ACACGACCAGAGAAACTGACTCTTGAATGAAGCTTTTGTCTTCTCTGA--CCTAAC-----TGTTAAACCATTGT	15492
Reedfish	ATGAAGCCCATGATGCCATGTATCCTAACAAAGTCTTAGGCCCTTTAGAGCTAAAACAGCCCCAGCATCACAGAACA	46957
NorthernPike		20987
SpottedGar	AGGTGAGATTAGTGAATTATCCATACAATGTGTGATTAATCTTTACCTGAAATCTCAATATTTTATAACAGATTA	19603
ParamormyropsKingsLeyae		13318

Majority	XXXAXCXXTAXXXXXXAXTTXXXXAXAXAXXTXTCXXXXXAXXTTCXTXAXXXXXXAXXXXXXXTXXXTXXXXAXXGX	
	90410 90420 90430 90440 90450 90460 90470 90480	
Human	TATTTCTCAAACCTCACACTTAATAACACATTTTATCTGAGGTAGTTTATCTAAACAA-AAGTTTGTTCACCTAA	89725
AsianBonytongue	CCAATT--TATTCTGAATTTAT-TATATA-GTCTTCAAGACCTATTTCTTGG-----ACATTTCTTTCAACTGA	15558
Reedfish	CACACCATTCTTGACGGTGGGATCAGGTTCTTTTTCAGTATAACCATCCTTATACAACCTGAGTTTTTGTG	47037
NorthernPike		20987
SpottedGar	TGGACCAGTAGCCAGCAGTTGTACAGATAAGTCTGCCAGGTGAGCTCCCTAAC--ATGCACACATTCAAACAGAA	19681
ParamormyropsKingsLeyae		13318

Majority	TXX-----AXTXXTXXATTTTCAXXXGAXXTXXXXXXX--XXXXTTTGXXXTCCCATTXXTXXATXXXXAXXAX	
	90490 90500 90510 90520 90530 90540 90550 90560	
Human	TATAGAACTTTAAAATTTATAATTCAGTGGGTTTTATTGTAAAAGGATTTTATGTACTGTCTAGATAATGGTTT	89805
AsianBonytongue	T-----ATTTGT--ATTTTCGGCAAAGTTTAAACC-----CTTTGTGATCCCATGGTATACATAAAGTAG	15615
Reedfish	TTC-----AATTTTT-GTTTCATCTGACCATAGAACTGT-TCCATTTAAAGTCCCATTA-GCGTTTAGAAAAT	47104
NorthernPike		20987
SpottedGar	TGC-----ATTAGTTCATTTTACTCGAGGATCAGTTGGAG-AGACTTTGACAACCCTTTCTTTATCTCAACAC	19750
ParamormyropsKingsLeyae		13318

Majority	XXCAGGXGTXXCXCTX---TAXXXGTXTTTXXXXTTTXXTXXTXXAAXTXXA--XXXXXXXXXAATGXXXXAAXTXXX	
	90570 90580 90590 90600 90610 90620 90630 90640	
Human	TACAGGTGTAAGCGTAAATTTGCAAGTATATGAAATTAAGTATGTGAAATGCAGTGTGAGAAACAAATGAGAAAATTCAG	89885
AsianBonytongue	GACAGAATTATGCTT----TAAGGGCATTTGGTGTCTACATAGTAAATTACA---CAA---CTAATGAGGAAAATTTGT	15683
Reedfish	TGCAGGTGCTTACAT----TAAGGCTTTTTTTTTTTTTTTTTTGTGCTGGTGTGTA--CCTTCCAGAAATGCTTGGAGT	47176
NorthernPike		20987
SpottedGar	ATCCTGAGTGCGCCA----TAGCTGTGATTAACATTTTTTCTACTAATTCTT---TGAATCCTAACTTTAGAAACCCA	19823
ParamormyropsKingsLeyae		13318

Majority	XCXXGTGXX	
	90650 90660 90670 90680 90690 90700 90710 90720	
Human	ACTTGTGAGAAGATTGTTTTGTTTTTCTGTGCTTAGCCTTGCGGAAAAATCTGAGAAAATTAATAATATAACT	89965
AsianBonytongue	GCAAGGG	15690
Reedfish	GGTGGTGTCTGATGGTAGTTATGTATTTCTTCATCAGTGATCTTTAGGGTTTATTTTACTTCTTACTCTGTTCACTGT	47256
NorthernPike		20987
SpottedGar	ACAGATGTTGTGGAATACTGACAGTTTACCTACAGTAGCTTGTGGGACATGGTACCAATCAGTTTCTAATCACAAGGG	19903
ParamormyropsKingsLeyae		13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              92650   92660   92670   92680   92690   92700   92710   92720
Human         GTGTA-TTGAGATACATTCTATTTTGATAAAATATGAAATTATTCCTTAATCTTCACCTTTTCTCCCATTC AATTTTCC 91961
AsianBonytongue
Reedfish     AAGGATTTGACTTGCCATAATAACTGTCCCTTTTAGCAGTGGTTTATACAAATTATATCTACTACTACAGTG GAAAAA 49237
NorthernPike
SpottedGar   ATGTAATTACAGGATTTGCAAACAGGAAAAAATAGTAAATGTATCTTTTATAAAAAGTGCATACACTATA ATATTAAG 21886
ParamormyropsKingsLeyae
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              92730   92740   92750   92760   92770   92780   92790   92800
Human         TAGTCCATCAGTAGCAGAAGAGGATCTACGAACACTGTTTCGCTAACACTGGGGGCACTGTGAAAGCATTTA AGTTTTTTC 92041
AsianBonytongue
Reedfish     TATAATGCTGTTGTTTATAAAATAAGTTTATTCATTACAGCTTAGATATATGAACCTAGAGTCTATTTGT TATTGCTCT 49317
NorthernPike
SpottedGar   TACTAGGTACTTAGTAGTATAGTCTTTGTGACACTTTGCTGGT--AATGGGTGTGTGCAGAGGCTCATTC ATATATAGAA 21964
ParamormyropsKingsLeyae
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              92810   92820   92830   92840   92850   92860   92870   92880
Human         AGTAAGCAAGCTTCCTTATCTTTAAATTAGTGACCTGATAAAATTTTAAAGTAGTTTTTGTCTTTTCGT TTTATAGAAAT 92121
AsianBonytongue
Reedfish     GTGAATTTTTCAAATAGTAAATTTATGTAAAAAGAAGCTTTTGTATTGAAATTTTTATATAGCCTGTT ATAGGTCATT 49397
NorthernPike
SpottedGar   GGTGTATGTGTGGTAGTCCAAGCGTATATAAAGGTAATCTACACTATTTTAGAAGTTTATGAATGTGTG TGTGCACATAG 22044
ParamormyropsKingsLeyae
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              92890   92900   92910   92920   92930   92940   92950   92960
Human         TTTTGATTCCGGAATGGCCAAAATTCAGTATTTAATAAGCCCTTTCTAATTTGTATGAAGTGTCTAAT TTTTATAATTTT 92201
AsianBonytongue
Reedfish     GCAATTCCTACTGTTTCATGATGCATTACTTTAGCACTATTTTTTTTTTTTTTTTTTTTTTTCATGGG TTGCGTAACCTTTTAAA 49477
NorthernPike
SpottedGar   ATTGAGGTAGATGGCAAATCAGCCTGCATTTGGAAGTTGGTCACCTATAACTGCCCATGAAGATGTGG AAGTTCATAACTG 22124
ParamormyropsKingsLeyae
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              92970   92980   92990   93000   93010   93020   93030   93040
Human         GTTTCAGAAGAGATCACAAAATGGCTCTTCTTCAGATGGCAACAGTGAAGAAGCTATTCAGGCCTTGAT TGATCTTCAT 92281
AsianBonytongue
Reedfish     AATATATTCCAGATTGTGAAATATTCACCTTTTATTTTGT--CAATTAAAAGCCTTGCTCTATTTGCAG AGATCACA 49555
NorthernPike
SpottedGar   GGGGAATGCTGACCGTGCACGGCAAACCTGTGGAACACAAT--GAAGAATAATAGCTGATGCTCAGTG CTTC AAGGTTATC 22202
ParamormyropsKingsLeyae
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              93050   93060   93070   93080   93090   93100   93110   93120
Human         AATTATAACCTTGGAGAAAACCATCATCTGAGAGTGTCTTTCTCCAAGTCAACAATTTAAAATGGGAAG ATGAAGATTG 92361
AsianBonytongue
Reedfish     AAATGGCACTTCTCCAGATGTCAACTGTGGAGGAAGCAATTC AAGCCTTGATTGACCTTCATAATTACAATCTCGGAGAT 49635
NorthernPike
SpottedGar   TACTGTATGCTATGGGAATTTTTTTTGTATCAGTCTGCTCAAAAAGGAATACACAAGGATGGCTTTT GGATTTCTTGAATTC 22282
ParamormyropsKingsLeyae
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              93130    93140    93150    93160    93170    93180    93190    93200
Human         GGGGTGAATCACATTGTTCAATGTCATCACCTATTTGACTGTTTCAGAAAAGTGGGACCAGAGTTTGATTTTTTTTGTTT 92441
AsianBonytongue 15690
Reedfish       AATCACCATCTGAGAGTTTCATCTCTCAAATCTACCATTTAAGCT-TTTCTCCCTTTTTATTTTCTTTTTAAACGC 49714
NorthernPike    20987
SpottedGar     GCCGATTATT--GAGGTATGGAGAAGGGAATCATCTGTCGGAGTT-ATGAGTACTCAAAGAATCTTTGGTTTGCAGTGC 22359
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              93210    93220    93230    93240    93250    93260    93270    93280
Human         TTGTTTTTTTGGGGTTCTTTTTTTTTTCCATGCTGTTATCATTCCCTTGGTTATAAAATGAAATGGCATATGTAAAGGCA 92521
AsianBonytongue 15690
Reedfish       TGTTTAGCGTGGCATTACTTGTGACTGTTTCAGACACTGGGACCACAGTTTGGCATATAATTTGAATTTAGTCATTC 49794
NorthernPike    20987
SpottedGar     AATCTTTGATTAAGCGTGGTGATGACAATATGTTTATATGCATACATTTCTCATGACTTGACTAGAAGCATT      22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              93290    93300    93310    93320    93330    93340    93350    93360
Human         GAGTTGTTAACTGCTATATTTTCATCTGTCTATAGGGAAGCCATTTTGTCTGTTTAAAATTTTCAGTTTAAATTTGCTTTT 92601
AsianBonytongue 15690
Reedfish       CTAATACAATACATTATGGTAAAGCTGTAAATGAAAATATGTTAAAGCCATGATTTGGGGCTTTTATTTCAATGTTTCC 49874
NorthernPike    20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              93370    93380    93390    93400    93410    93420    93430    93440
Human         TTTTTTTTTTTTTTTTTCTTTCAACTTAGTTGACATACGTCCTTAAAAAGGAAAAC TAGTGTGTCTATGTGCATTTA 92681
AsianBonytongue 15690
Reedfish       CCTTTACCTATACCATTGGAAAGTCATTAACAATTTTATCACTTTGTAAAAAAGGAGATAATTCATTTCT 49954
NorthernPike    20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              93450    93460    93470    93480    93490    93500    93510    93520
Human         CTAGAAAAAGGAATTGGTTGTTTAGGGCACACTGTTATATGGGAATTAAAATATGTTTAGGCAGGGGTGTGAAAAAGG 92761
AsianBonytongue 15690
Reedfish       TTATGATAAACGTACAAGTCGACAAGACGTCCTTACCTGACAAAACAGTATCAACACTTTTCCATTAATGTGTTTGTAT 50034
NorthernPike    20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              93530    93540    93550    93560    93570    93580    93590    93600
Human         TTAAGTTTTTGTTCCTCTGCTTGGAACTTATTTTGAATTAAGTGGCTTGTGTCACCTTTTTTCTATTTAATCAAATAAGAT 92841
AsianBonytongue 15690
Reedfish       CAGTTTATTTACAGTTTACAGTTTGGAAATATAGGCACATTTGGTCTGGTATTTAAATGAGTGGCTGTGTGAAAAGGCTT 50114
NorthernPike    20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              93610   93620   93630   93640   93650   93660   93670   93680
Human         ACATGATATTGAAAGAATAAAGCAGCATTTTCTAGTTTTACTACCTTAGGCTTTATTGCTTTGAAAACAACATTGGCCTT 92921
AsianBonytongue
Reedfish     TTGTTTCCTTTAAGTAATCGTACAGTTTCTAAAGTTGGTAATGCCCTCATAAAGGATATTCATAGTTTTACCTAGTATAA 50194
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              93690   93700   93710   93720   93730   93740   93750   93760
Human         TTGTATCTCACAAATCTGGTCTAGATTGAGTTATGAATGTAGGCATTAGTTAAAATTAACAAGATGCAGAGTATTAATTT 93001
AsianBonytongue
Reedfish     TGAAAAATATTAAGTATTTTTGTTTACCATGCTCTATTTTGCCTTTTGGGCAATGTTACAAAACATTTTACCTTCATAA 50274
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              93770   93780   93790   93800   93810   93820   93830   93840
Human         CTTAAGACAACAAAGTGATTTCTGTAAGTTTGAGCCCTATGTGGAAAGCATTGTGGAATCTTAACCTTTTCGTACACACT 93081
AsianBonytongue
Reedfish     AACTGCCATCTTTTTTCATTTTTAGATATAACCTGCTTTATCCTATAACCAAGATAAAGCTTTAACCTAGTTATCATT 50354
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              93850   93860   93870   93880   93890   93900   93910   93920
Human         CTTGTGGGACGTATCATATAAATGTCAGCACTAAGTAATGTCTTGTGTTGTGGCTGAATATTTTCGTAGATGTTTTTGAA 93161
AsianBonytongue
Reedfish     GTGATCATTGTTACCTTTGTTTGCACAACCACCTGCTGAAGAAGCTGGTATTATTTGAGTAAATATCTTTGTAGCTGTTCT 50434
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              93930   93940   93950   93960   93970   93980   93990   94000
Human         GTTGACATGACTTACGTGCATTTAAATATATATTGCCATCCTTAGTTTGTAAATTAAGATTTGGAATATGGTTGTGGATTT 93241
AsianBonytongue
Reedfish     TTGTCATTG---CATATGTGCATTTATTTATATTGCCATCTTTCATTTGTACCTTGAGGATTTAAATGGCTGTGGACTTT 50511
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              94010   94020   94030   94040   94050   94060   94070   94080
Human         CTGAGCATGTGCAGACTGGTCTAGCTAGTTCAGGAA-----CTGGTGCATGTATTTTCAAAGATAAAGAAAGTGTACT 93315
AsianBonytongue
Reedfish     CTAAGCATGTACTGACTGGTATACTTAGTTTTGGAAAGACTGCTGTTGCATGCATTTTAAAAGCTAGCAGAAGTGAGCT 50591
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority	XX
	94570 94580 94590 94600 94610 94620 94630 94640
Human	CCTGTAGCATGCTCAATAAACACTTCTGTAGCTCTATATTCACCTTTTCTGTCTTTCTCTGCTGCCTTTTCTCTCTCCTC 93861
AsianBonytongue	15690
Reedfish	TCTGTAGCATGCTCAATAAACACTTCTGTAGCTCTATATTCACCTCTTCTGTCTCTATGCTGCCTCTCTCTTTTC--- 51148
NorthernPike	20987
SpottedGar	22432
ParamormyropsKingsLeyae	13318

Majority	XX
	94650 94660 94670 94680 94690 94700 94710 94720
Human	TTCTTTGTTTTCACTCCACTGTGCTTCTGAAATTCATGTTTATTCTCTGCCAGGGTGGGAAAGGAGTAATAATATTACAAT 93941
AsianBonytongue	15690
Reedfish	-TCTTATGTTTCACCTCACTTTGCTTCTGAAATTCATGTTCTTTGTCTAGGGTGGGAAATCTTTTCAGATTTTATTTCAT 51227
NorthernPike	20987
SpottedGar	22432
ParamormyropsKingsLeyae	13318

Majority	XX
	94730 94740 94750 94760 94770 94780 94790 94800
Human	TCTATGGCTTTATACCATAAATAAATCTAGATGCTGTGAAAATATACCAGCTGGTTTTTTTAAATTTAAAAGATGGTAAC 94021
AsianBonytongue	15690
Reedfish	TGATTTAAATATTTAAATGACAGTACTTCAAGCTTTGTAAAATCTAACTT-TATTTCCACCCTGTGTTATTCTCCT 51306
NorthernPike	20987
SpottedGar	22432
ParamormyropsKingsLeyae	13318

Majority	XX
	94810 94820 94830 94840 94850 94860 94870 94880
Human	TGCTTTTCAGGAGGACACATATTAACATTTCCACCCTGTATAATCTACTGCTTTTAAAGACATAACTTTTATTGTAGC 94101
AsianBonytongue	15690
Reedfish	TCCAATTATAACTGAGTTCTGTGAACCTTCTTTTCTGTCTGCATAGATGTATCTACCAAATCCGCCTTTCAGGGTTTCAT 51386
NorthernPike	20987
SpottedGar	22432
ParamormyropsKingsLeyae	13318

Majority	XX
	94890 94900 94910 94920 94930 94940 94950 94960
Human	TTGTTAATTCATCTCTTTTGTCTTGTGTTTTTTTTTTTTTTTCCAGTAGATTTATGCACTAATAGATCTTTTGATT 94181
AsianBonytongue	15690
Reedfish	GCTTTCTGTGCAAAATCCATTCTCTCCTTCTGTCTGCTGATAGATACTCTAATCTGTAATGTCTGAAGTGCAATGCC 51466
NorthernPike	20987
SpottedGar	22432
ParamormyropsKingsLeyae	13318

Majority	XX
	94970 94980 94990 95000 95010 95020 95030 95040
Human	GCCATGCTCTCTGTGCTGAGTTTCATCTTTCATCTTTTGTGTCTGCTAAAGATTTCTTACTAATCTTAGACTACCTGTG 94261
AsianBonytongue	15690
Reedfish	AGGTGGATATTTCTTTATATTTCTTAAAGATCCACTATCAAATTTAAGCAAATGTTTAAAGTGAAATAACAACCTAGT 51546
NorthernPike	20987
SpottedGar	22432
ParamormyropsKingsLeyae	13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              95530    95540    95550    95560    95570    95580    95590    95600
Human         GATGATTTGGAAGCTAGGTGATCTGTGTTTTTTTCTTAAAATAACATCGTAGCACAGAGGAAGCTCTACCAGCATCAGATA 94821
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              95610    95620    95630    95640    95650    95660    95670    95680
Human         AGTCTAAAGTCTAAAAAACCAATACCAGGGTTAGTGAATAGTAATTGAACAAAGCTTCTCAAGGTGAAGTTTTTCTCAGT 94901
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              95690    95700    95710    95720    95730    95740    95750    95760
Human         AATTAGTGGTGGCTATAATATTTGAAAGTAGGTTCTGTACCTTTTCAGGTGCTCATTGTGGGTTGGGATTGCCTTGGGAA 94981
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              95770    95780    95790    95800    95810    95820    95830    95840
Human         GGAGAAACTAAGTCCTGAGCTGTGTGTGGACTTAGTTTTGTGCCAGTTGCTAAGCTGGTGGGAGTTCACAGTCTCCCTA 95061
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              95850    95860    95870    95880    95890    95900    95910    95920
Human         GTGGGAGATAACCAGAAACCAGCTCTTCCTGCCTAAGGACTACAGCAGATTCTATACTGTCTTACAGTATGCCCTAATAC 95141
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              95930    95940    95950    95960    95970    95980    95990    96000
Human         GGCCTTCCTTCCAAAGCACCAAGTCACTAAAGGGGGATTTTGACATTCTAGAATATTTTAAATTCAGTACATCAAATTA 95221
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              96010   96020   96030   96040   96050   96060   96070   96080
Human         CCCAGGCCTTGGCATATAGTGAATTGCTTATTAAAAGTTAGGTA AAAAATAAAAACAGCTTTGTCGTATATTAGTACTCTA 95301
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
15690
51713
20987
22432
13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              96090   96100   96110   96120   96130   96140   96150   96160
Human         TGACTCTTAGAGTGAACAAGCTAACAAGTATTCTTAGGACTTAGCTGCTTTGTTAATAGAGGTCTTAACTTGAATATTTA 95381
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
15690
51713
20987
22432
13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              96170   96180   96190   96200   96210   96220   96230   96240
Human         GAAATAATCAGAAAAATTATTTTGGTATTGAAGATGTATTTGGAAATGGGTTTTAAAGTACCTACTTAAGGAAGAGA 95461
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
15690
51713
20987
22432
13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              96250   96260   96270   96280   96290   96300   96310   96320
Human         TATCTACAGTTTATATTTAACGTTAGCATTTGAAAGCAATGAAGAAAATTTTTCCTTAACCAGGAAGTGTAAATGAATCAT 95541
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
15690
51713
20987
22432
13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              96330   96340   96350   96360   96370   96380   96390   96400
Human         TATATTAGAGATTAAATTAACACTTTGGAAGCATTTTAGCTCCTAGAGTTAAGGTTAGTATAGTGAAATTATGGTGATTA 95621
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
15690
51713
20987
22432
13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              96410   96420   96430   96440   96450   96460   96470   96480
Human         GCTTAATTCATTCATGTACATCTATTTGTATCACCATATAATTACTAGGGAAAGGACAAATCACTTTTCAAAGCCTCAAT 95701
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
15690
51713
20987
22432
13318

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Majority		XX								
		96490	96500	96510	96520	96530	96540	96550	96560	
Human	GTTATTTGTAAAATGGAGGCAATAAGTTCTGCTCTGCTCCCCTCACAGGATTATTACAGAGGCTCAAATAGGATAAGTGA									95781
AsianBonytongue										15690
Reedfish										51713
NorthernPike										20987
SpottedGar										22432
ParamormyropsKingsLeyae										13318

Majority		XX								
		96570	96580	96590	96600	96610	96620	96630	96640	
Human	AGGAATGCTATGCAATTAGTTAACTAATGCCAGTCCCAGACTGCCAGATTTGCCACAGTAACTTCATATCCACAAT									95861
AsianBonytongue										15690
Reedfish										51713
NorthernPike										20987
SpottedGar										22432
ParamormyropsKingsLeyae										13318

Majority		XX								
		96650	96660	96670	96680	96690	96700	96710	96720	
Human	ACATGTTATCCTAATATGTCTTTTTGCTACAAAGAAATACTAATGTTTTAAAATTATTTACTAGTTTCATAAAGCAGAAA									95941
AsianBonytongue										15690
Reedfish										51713
NorthernPike										20987
SpottedGar										22432
ParamormyropsKingsLeyae										13318

Majority		XX								
		96730	96740	96750	96760	96770	96780	96790	96800	
Human	GATGTAAATGCAGTTATAGAGAGCATCCCAAGCCAGATGAAAAGAAACCATGGATTTAGCTTTATATTTTCTGTTTGAA									96021
AsianBonytongue										15690
Reedfish										51713
NorthernPike										20987
SpottedGar										22432
ParamormyropsKingsLeyae										13318

Majority		XX								
		96810	96820	96830	96840	96850	96860	96870	96880	
Human	CTTGATAGCCCAATCATAAAATGCACATATTTAATTATAGACTGCACCTTAAGATTTTCATATGTATAAAAAAGTTGCTGTG									96101
AsianBonytongue										15690
Reedfish										51713
NorthernPike										20987
SpottedGar										22432
ParamormyropsKingsLeyae										13318

Majority		XX								
		96890	96900	96910	96920	96930	96940	96950	96960	
Human	AAACAGGTAATTTTAACACTCAGGAATTTCAAGGCTAAGGAAGAAAGACATACTCTCATGAGCAGCTCTGAACCTCAAAC									96181
AsianBonytongue										15690
Reedfish										51713
NorthernPike										20987
SpottedGar										22432
ParamormyropsKingsLeyae										13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              96970   96980   96990   97000   97010   97020   97030   97040
Human         AGGATTTTCTGGCTGCCTTAATATATTAAATGGAGCCTAAATCTGAAAACGTTTTTTCATTTCAGAAGAAAGTACAGAA 96261
AsianBonytongue                                     15690
Reedfish                                             51713
NorthernPike                                         20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                             13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              97050   97060   97070   97080   97090   97100   97110   97120
Human         TTCAGTGAAATTGAGTATACTAGGAAATCTGATGGCAAGAATTTCAGCAGAAAGTCTTAATTTTAAACCGTAATATTCATT 96341
AsianBonytongue                                     15690
Reedfish                                             51713
NorthernPike                                         20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                             13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              97130   97140   97150   97160   97170   97180   97190   97200
Human         GATTATGCAAAACCTTAGTTTTATAGTTATTCTTTGTTATTTTGAATAGCTTCCTTTAAATTTTCTAGTTTCAGATTTT 96421
AsianBonytongue                                     15690
Reedfish                                             51713
NorthernPike                                         20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                             13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              97210   97220   97230   97240   97250   97260   97270   97280
Human         GCAAATAAAAGTGTACATGTTAAAGTTATAGAGTATTAGATTATTCACATTAAGAAGTGTCAAATACGCGGAAAAATAA 96501
AsianBonytongue                                     15690
Reedfish                                             51713
NorthernPike                                         20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                             13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              97290   97300   97310   97320   97330   97340   97350   97360
Human         AACCGTAATGAACACCTATGCACTTCACTCAACTATATCACTACCTAACATATTCATATTTTAAACGTAATTATATATT 96581
AsianBonytongue                                     15690
Reedfish                                             51713
NorthernPike                                         20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                             13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|
              97370   97380   97390   97400   97410   97420   97430   97440
Human         AGTTGAAAGAAAACGTTACAGAATGAACTGAAATCCCATATGAACCTCTTCTGATCTTAGTTCAAACCTTATTCTTTCC 96661
AsianBonytongue                                     15690
Reedfish                                             51713
NorthernPike                                         20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                             13318
    
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Majority          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                  |-----|-----|-----|-----|-----|-----|-----|-----|
                  97450   97460   97470   97480   97490   97500   97510   97520
Human             CAAGAGGTAATTGTTACCTTCAGTTTAGTATTTTATTATTCAGTGGTGTGCTTTTCAAGAGGAATTTGTCCTATATTTCTGT 96741
AsianBonytongue                               15690
Reedfish                                              51713
NorthernPike                                          20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                          13318
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Majority          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                  |-----|-----|-----|-----|-----|-----|-----|-----|
                  97530   97540   97550   97560   97570   97580   97590   97600
Human             AGGCTAAATTTCTTGTTTGCCTAGTTATAAAAAATGGCAAATAATATGATATTGGGTGTTTAAATAGTACAATATTTGTTTC 96821
AsianBonytongue                               15690
Reedfish                                              51713
NorthernPike                                          20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                          13318
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Majority          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                  |-----|-----|-----|-----|-----|-----|-----|-----|
                  97610   97620   97630   97640   97650   97660   97670   97680
Human             AAAACACACTTTATAATTTTAAACAGACTGTTTGACATTGATAAATCCCTATCAAATCTCATGACATTTAACCAATTT 96901
AsianBonytongue                               15690
Reedfish                                              51713
NorthernPike                                          20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                          13318
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Majority          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                  |-----|-----|-----|-----|-----|-----|-----|-----|
                  97690   97700   97710   97720   97730   97740   97750   97760
Human             TTAACAAGGATTTTAAATTTGTTTAAAGAAATAAGTCATTTGGGCCTCAGGTTTCTCTTAAGGATGTAACAAGGAGCTA 96981
AsianBonytongue                               15690
Reedfish                                              51713
NorthernPike                                          20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                          13318
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Majority          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                  |-----|-----|-----|-----|-----|-----|-----|-----|
                  97770   97780   97790   97800   97810   97820   97830   97840
Human             TATCATTGGTATTTTAGACGCTGAATTATGTGTAAGGTCCCTTAAATACAAACATACCCTTTGTAGCTTCACAGAGCCACC 97061
AsianBonytongue                               15690
Reedfish                                              51713
NorthernPike                                          20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                          13318
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Majority          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                  |-----|-----|-----|-----|-----|-----|-----|-----|
                  97850   97860   97870   97880   97890   97900   97910   97920
Human             CGTTTTGCACCTTCTCTCGCTTTTCTTCCTCCCTCTTTGGCTCCCATTTCAATGGACAGAAAGACTATGTGGCATCTCTAT 97141
AsianBonytongue                               15690
Reedfish                                              51713
NorthernPike                                          20987
SpottedGar                                           22432
ParamormyropsKingsLeyae                          13318
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Majority	XX	
		97930 97940 97950 97960 97970 97980 97990 98000
Human	TTTCATTCACCTTGGTTTATTGTCTTGGTATGTTGTATAGGTTTTTGAATCAGAAAATTTTAACATTTTGTAGATATTTCAA	97221
AsianBonytongue		15690
Reedfish		51713
NorthernPike		20987
SpottedGar		22432
ParamormyropsKingsLeyae		13318

Majority	XX	
		98010 98020 98030 98040 98050 98060 98070 98080
Human	ACATACAAAAATAGAAGAATATTTAACAAACCCTTGTCAGCTTCAGTTAGCAACTTAGATCTTCTCTCGTTTCCTCCACC	97301
AsianBonytongue		15690
Reedfish		51713
NorthernPike		20987
SpottedGar		22432
ParamormyropsKingsLeyae		13318

Majority	XX	
		98090 98100 98110 98120 98130 98140 98150 98160
Human	CAATTCTCATCTCCTTTATTAATGCAGATCCCAGATATATTTTATCAAGAAATTTGTAGCATATATTTGTGTTGTTT	97381
AsianBonytongue		15690
Reedfish		51713
NorthernPike		20987
SpottedGar		22432
ParamormyropsKingsLeyae		13318

Majority	XX	
		98170 98180 98190 98200 98210 98220 98230 98240
Human	TTCGTGGTCATAGTTGCTTCTCTAATACTAGACTAGCCTAGCTGGTCAACTACTACTTTTCTTCAAATCCTAGAACCTC	97461
AsianBonytongue		15690
Reedfish		51713
NorthernPike		20987
SpottedGar		22432
ParamormyropsKingsLeyae		13318

Majority	XX	
		98250 98260 98270 98280 98290 98300 98310 98320
Human	CCTATTAAAATATAGTCACCAGACCAGTGGCAAATTAGTATCACCTAGGAGTTTATTAGAAACTCAGTCTATGAGCCTA	97541
AsianBonytongue		15690
Reedfish		51713
NorthernPike		20987
SpottedGar		22432
ParamormyropsKingsLeyae		13318

Majority	XX	
		98330 98340 98350 98360 98370 98380 98390 98400
Human	CTGAATCTACATTTTGACAAGATTGGCAGGTGATGCATTTGGACATAAGTTGGAGAAGCACTCAATGCATTTTTCAGTT	97621
AsianBonytongue		15690
Reedfish		51713
NorthernPike		20987
SpottedGar		22432
ParamormyropsKingsLeyae		13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              98410   98420   98430   98440   98450   98460   98470   98480
Human         CTATAAAAATCAGCTTCAAAGTTTTTCCTGAGTGTGGAAATTATTTCAATTAGTAATTTTAAGTTATGCAGATATAGTTA 97701
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              98490   98500   98510   98520   98530   98540   98550   98560
Human         ATACCAAGAAATAATTGAACTGAAAAGGAACCCGGATATCTAGTTTTAACCAGCTGTTTTAAAGATAAACAGTTCTAGAG 97781
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              98570   98580   98590   98600   98610   98620   98630   98640
Human         ATCAAATGAATAGTTTTAGCAACATATTTATTGTAACCTACCTGTAGTTAGAATCCAAGTCCCTGGCTTTCCAATCCAGTC 97861
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              98650   98660   98670   98680   98690   98700   98710   98720
Human         TTCAATGTATAATACTGATCAAAGAAATACAGGCTGCTATTATTCATAAATTTAAACTATTATGTACAAGTTGATAGC 97941
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              98730   98740   98750   98760   98770   98780   98790   98800
Human         TTATAATAGAAATCAGTATGATTAGTGTAAAAGTCAAATTTAGTCTGACAGGGAAGGAATGTCCATGTGAACTGATTTT 98021
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              98810   98820   98830   98840   98850   98860   98870   98880
Human         TTTTAATAGAATGCAAATTAATACTCAATTCCTGATTTGTTTATTACATTTTGTGGTTTAAATGAAATGATACTCAGGTCA 98101
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              98890   98900   98910   98920   98930   98940   98950   98960
Human         TTTTCATAAATAGCTTTTCTATTAATGCTTCCTCAGTCACATTCTCTATTCCCTATTGCATAGCACAGTCTAACAGTTGAA 98181
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              98970   98980   98990   99000   99010   99020   99030   99040
Human         ATGCCTAAGCCTTACTGAATGATGACTGATATTCTCTGTGAGAGTTAGAGCTGTACTATAAATATACATTACCTGTGCAA 98261
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99050   99060   99070   99080   99090   99100   99110   99120
Human         AGTATGCCTTCAGGGGCTATTCGCCATAACCTTAGCAAAATTTTAAATATTCTTATGGCTAGCAATCTTATCTATTGTC 98341
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99130   99140   99150   99160   99170   99180   99190   99200
Human         ATGTCTTACTATTTCTGCTTACCACCCCATTTCTCTCTCAACCTTGTTGCTGCATTAGCTGTCCATCACTTAACACTG 98421
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99210   99220   99230   99240   99250   99260   99270   99280
Human         TTTATTTCTCTGTTTTTCTTCCATCATTCTTCTTTGCAACTAAATGATTTAGACTTTTATAACCATAATCAACCAGT 98501
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99290   99300   99310   99320   99330   99340   99350   99360
Human         TAGATTCTTTTATTGTGGTTATTGAGTTGATAAATGATAGTGCATTTTATGTAATATTCAGGTGTTATGCTATTTTTA 98581
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99370   99380   99390   99400   99410   99420   99430   99440
Human         TCTGGTTCAC TTTAAAACCTCCCTCCCCCACTCCCTTTTTTTGTGGGT TTTT TTTTATTATTATTTCCAGTTTT 98661
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99450   99460   99470   99480   99490   99500   99510   99520
Human         GTGTGTTTTGCTTTTAACTTCTGAGATTGCAGTGGTTCAGATGGTTGAAATCACTAGTAGTGATTTACATGAAGCAT 98741
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99530   99540   99550   99560   99570   99580   99590   99600
Human         TCATGTATTTATTACTGGTATATTCAACTATGGTGGAGGGAAATTGGTCGAAGAATTACGGTTAAAGAGCTCCTTTAAAA 98821
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99610   99620   99630   99640   99650   99660   99670   99680
Human         AGGAGATTTGTAGAATTCTAAATGTGATTCTGATTCATATAGTCATGATTCTTAGAAATTAGCTACAGGAAGAGATAGA 98901
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99690   99700   99710   99720   99730   99740   99750   99760
Human         AACATGCTATAGTTGTCTTTGCCCTAAGTTTGGAGTTTTTATAGTGAATATATATAAATAGCTCTAATTATAAATACA 98981
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              99770   99780   99790   99800   99810   99820   99830   99840
Human         CTTT TACTCTGGAAAAGCATAGACATTGACATAAGAGACATTTAAAACCAT TATTTTCTCATCTGTAAAATGGAGAGA 99061
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              99850   99860   99870   99880   99890   99900   99910   99920
Human         ATTACTTCATATGTTCACTTATAAGGATTATGTGAAATACTGTTCCATTCCATTAGTAGTTTTTCTTTTCCTCTAATTGG 99141
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              99930   99940   99950   99960   99970   99980   99990   100000
Human         GGGTGGGGCAGTTTTTGGCATTCTATTTATGGAAGGTGTTTTTTCCCTAAGATCATTTTGATGTCTCAGAAGACATTT 99221
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100010  100020  100030  100040  100050  100060  100070  100080
Human         GCTATGTACGTTGGACATTTGCCATGTACATTGTAGAGAATACAAAGATAAACAGAACACAGTACAGCTGGTTCTATTA 99301
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100090  100100  100110  100120  100130  100140  100150  100160
Human         GACATTGAAATGCATATTCTAGCATATTTAATATATTAGGAACAATTTAAGCATAATGTGAATTTTCATGTTTACTGAA 99381
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100170  100180  100190  100200  100210  100220  100230  100240
Human         GATTTTCATCCTGAGAAACAAATGAAAGCAGAAAATTACAACCAACTGAACCAGCTGTGTAAGAAATATATATATGGTGTG 99461
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100250  100260  100270  100280  100290  100300  100310  100320
Human         CACACATGTACATACCTCAGACATCTATTAGCATTCTCAGTTTTCCACAAGTTAAAAGCCACGCCTCATCCATATCTGGTG 99541
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100330   100340   100350   100360   100370   100380   100390   100400
Human         CTAATAACTTCCTATCCAATTTTCAGATAGCTGTTTTCAACACATCTGACACCTTCTTTTTTCAAGCAAACCTTCAGGTCT 99621
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100410   100420   100430   100440   100450   100460   100470   100480
Human         TTTTCAAGATAAAGTCATTTATAGTAGTGCTATATATTTCTTAACCATTTAACATGTAAACTGTGCTGCCTTTTAAGAA 99701
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100490   100500   100510   100520   100530   100540   100550   100560
Human         ATTAATTCTATCCTTTTTAGTGTGTCAGAGTTGAAGATTTTGAGTGTGTGCCCTAACCTTATCATTTTCCTCATAAGTCTCT 99781
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100570   100580   100590   100600   100610   100620   100630   100640
Human         GTGGTTTTTATGTATGATTTTGCATAGTGTGGCAATTCTTGAAATGCTTATGTTGTGTTATAGTATAACTGACTTACT 99861
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100650   100660   100670   100680   100690   100700   100710   100720
Human         ACTTTCAAATAGCTTCTAGTCTGATTCATGTTATGACAGTATACAGTATAGCAAATAAGGACATCAGGGAACAGGAGGC 99941
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100730   100740   100750   100760   100770   100780   100790   100800
Human         TGAGCATATCACCATTTACCAATGGTAGCTTGAGCAAGGCACCTTCATTTATCGAAGTCCATTTTCTCATCTGTACAATGG 100021
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae
  
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100810  100820  100830  100840  100850  100860  100870  100880
Human         AGGTGATGATAGTACATGTCTTTTCTGTCTTGTGTTATTTGTAGTTTCAAGTAAGATATGAAATATGCTGTAGAAATACA 100101
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100890  100900  100910  100920  100930  100940  100950  100960
Human         GGGTTGGGAATATCTAGTGGTACAAAAATCAACTTTTGGCCCAATTTTAAGGTGAGATAATTATGAGACATTTTTCGACC 100181
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              100970  100980  100990  101000  101010  101020  101030  101040
Human         TCAAAGTCTTTGTTCTTTTCTCTCTACACCATTGTGAATAACACAGTGTATATATGAGATTAATTTATTACCTCGACTTT 100261
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              101050  101060  101070  101080  101090  101100  101110  101120
Human         CCATTTTGTGTTTGTAAAGTAGTTTAATTTTTTATATCTATTTATAAAGTTAACTGCAGGAGTGACCTGCAGTTAACTT 100341
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              101130  101140  101150  101160  101170  101180  101190  101200
Human         TATACAGTTAAGAAGAGGTTGGTTTCAGTTTAAAGATTGTATGTCAGTGTA AACATCCATTATTATGCTTTCAAGTAA 100421
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              101210  101220  101230  101240  101250  101260  101270  101280
Human         AATAGCTCCTAAAAATATGGATTACTATCAACTTTCAAGGAAAATAGCTCCTAAAAATATGGATTACTACCAACTTTCAA 100501
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                    |-----|-----|-----|-----|-----|-----|-----|-----|
                    101290  101300  101310  101320  101330  101340  101350  101360
Human         GGAAATAGCTCCTAGAAATATGGATTACTAGCCACATAAATTGCTAACATTTGCTTTTATTATTATTATTATTATTATT  100581
AsianBonytongue 15690
Reedfish       51713
NorthernPike   20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                    |-----|-----|-----|-----|-----|-----|-----|-----|
                    101370  101380  101390  101400  101410  101420  101430  101440
Human         TTAGACACAGTCTTGCTCTGTCAACCCAGGCTGGAGTGCGGTGGTATTATCTCGGCTCACTGCAACCTCCACCTCTCGGGT  100661
AsianBonytongue 15690
Reedfish       51713
NorthernPike   20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                    |-----|-----|-----|-----|-----|-----|-----|-----|
                    101450  101460  101470  101480  101490  101500  101510  101520
Human         TCAAGCAATTCTCCTGCCTCAGCCTTCCGAGTAGCTGGAATTACAGGCACCCACCACACCCAGCTAATTTTGTATT  100741
AsianBonytongue 15690
Reedfish       51713
NorthernPike   20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                    |-----|-----|-----|-----|-----|-----|-----|-----|
                    101530  101540  101550  101560  101570  101580  101590  101600
Human         TTTAGTAGAGACAGGGTTTTACCATGTGACCAGGCTGGTTTCGAACTCCTGACCTCAAATGATCCACCTGCCTCAGCCTC  100821
AsianBonytongue 15690
Reedfish       51713
NorthernPike   20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                    |-----|-----|-----|-----|-----|-----|-----|-----|
                    101610  101620  101630  101640  101650  101660  101670  101680
Human         CCAAAGTCTGGGATTACAGGTGTGAGCCACCGCTCCAGCCTATTTGCTAATATTTAACCTCTTGAGAGTCTTTAATTC  100901
AsianBonytongue 15690
Reedfish       51713
NorthernPike   20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                    |-----|-----|-----|-----|-----|-----|-----|-----|
                    101690  101700  101710  101720  101730  101740  101750  101760
Human         TTTTTTTCAACAAGTGTTCATTACCTGCTATGTGCCAGCTTAGATGCTTTGGATGAAATACAGGTTGGTGCGAAAGTAAT  100981
AsianBonytongue 15690
Reedfish       51713
NorthernPike   20987
SpottedGar     22432
ParamormyropsKingsLeyae 13318
    
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              101770   101780   101790   101800   101810   101820   101830   101840
Human         TCGCATTTTTGCCGTTAAAATTAGAAAAACCACAATTACTTTTGCACCAACCTAAATAACTAAAAACAATTTCTTCCTA 101061
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              101850   101860   101870   101880   101890   101900   101910   101920
Human         TCATGGGGCTTTCAGTTCAGTATGAGATAAGTAAAGAATTATATGGGTTGATAAAATTTCTGGAGGAAC TATTGGGTGTT 101141
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              101930   101940   101950   101960   101970   101980   101990   102000
Human         ATTACAGTGTGCTCAATCTTTAGCAGTTAGGAAAGGATTCTTGAAGGTAGTTGTATTACCTGGGTTGGAGGTAAGTGTTG 101221
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              102010   102020   102030   102040   102050   102060   102070   102080
Human         GGGACACAAGTGTTAGAAACAGAACAGTTTGTTTAAAAGTTGGGGACAAAAAAGGACCAGAATCAAGATTACGGCACCT 101301
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              102090   102100   102110   102120   102130   102140   102150   102160
Human         GGAGAAAGTTAAGCATGGCTCGGTCATAAATTAGGAGACAAGGAACAAATAGAGAAATACGTTTGGATAGAATAGTCAGA 101381
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              102170   102180   102190   102200   102210   102220   102230   102240
Human         TTATAGGCTGTGCTAAGTTGTTTGGGCTCCACTAGGGTTTCTAAATGCAGTTATTGGTAAACTGGACTTAGGAGAAGGGA 101461
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority
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	102250	102260	102270	102280	102290	102300	102310	102320	
Human	CAGGGTTGACATGACAAATCTAGTGAATTATGTTTCATTAAATATCCCTTTTGAATTGATTTAGTTTTTGTATGTTTCT								101541
AsianBonytongue									15690
Reedfish									51713
NorthernPike									20987
SpottedGar									22432
ParamormyropsKingsLeyae									13318

Majority
XX

	102330	102340	102350	102360	102370	102380	102390	102400	
Human	TTTTTATAATTCCAAAAATCATACAATAAGTTAAACTTATCCATCTAAAAGCTGCACACAAAACCTTGATGTTAGATTC								101621
AsianBonytongue									15690
Reedfish									51713
NorthernPike									20987
SpottedGar									22432
ParamormyropsKingsLeyae									13318

Majority
XX

	102410	102420	102430	102440	102450	102460	102470	102480	
Human	TTTTTAAATTTACAAAATTAAGACTTCCAAAAGAATCTTGTGAATAAGAGTAAAAGAAAGACCCCTTACTCAGTAAAGCTG								101701
AsianBonytongue									15690
Reedfish									51713
NorthernPike									20987
SpottedGar									22432
ParamormyropsKingsLeyae									13318

Majority
XX

	102490	102500	102510	102520	102530	102540	102550	102560	
Human	CGTAATACTTTGGCAGTTTGAACCCATGGCCATGCCTCTCTGTGTGATAAGGATTTGGCAAACCATGGAAGAAACATGC								101781
AsianBonytongue									15690
Reedfish									51713
NorthernPike									20987
SpottedGar									22432
ParamormyropsKingsLeyae									13318

Majority
XX

	102570	102580	102590	102600	102610	102620	102630	102640	
Human	ATGTTTTTGAATTGCTTTCCATGGTAACTTAAACATTTTTTTCATGAAACATGGATATATATCCTTAGAAAACAGCAA								101861
AsianBonytongue									15690
Reedfish									51713
NorthernPike									20987
SpottedGar									22432
ParamormyropsKingsLeyae									13318

Majority
XX

	102650	102660	102670	102680	102690	102700	102710	102720	
Human	ACATAAAGCTTGTAAGTTATAAGACAAGATTTATCTCTTTTTTTTTTTTTTTTCTGAGAGAGAGTCTTGCTCTGTTGCCAG								101941
AsianBonytongue									15690
Reedfish									51713
NorthernPike									20987
SpottedGar									22432
ParamormyropsKingsLeyae									13318

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              102730  102740  102750  102760  102770  102780  102790  102800
Human         GCCGGAGTGC AACAGTGT GATCTCT GCTCACT GCACCCT CC GCCTCC CGGGTT CAAGCAAT TCTCCT GCCTC AGCCTCT 102021
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              102810  102820  102830  102840  102850  102860  102870  102880
Human         GAGTAGCTGG GACTACAG GCGTGTG CCGCCAAG CCCAGCTA ATTTT TTTGTAT CTTTAGT AGAGACG GTTTCAC CATGTT 102101
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              102890  102900  102910  102920  102930  102940  102950  102960
Human         GGCCAGGCTGG TCTCGAA CTCTGAC CCAAGTG ATCTAC CTGCCTC AGCCTTCT AAAGTG TTGGGAT TACAGGC ATGAG 102181
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              102970  102980  102990  103000  103010  103020  103030  103040
Human         CCATGGCACCC GGC CAAGATG AAATGTCA AGGCCAT TTTTAG CCACTAT GCTTTT AAAGACT ACTTAAAG CTGTGCT TTT CAG 102261
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              103050  103060  103070  103080  103090  103100  103110  103120
Human         GTCTCCCAGGA AACTTGT TCACTCT ATACTAT TGTGCTG CTGCTGT TCTGGCTT GAGAATTT TGAGAAT CACTAAG ATAC 102341
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              103130  103140  103150  103160  103170  103180  103190  103200
Human         AATTTAAGTTT TGACATG TAAATTAT TTTGGTTG AGTAGAA AGAATTA ATGTAG ATAAGCA AAAACCC CTTTATA AAAAA 102421
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              103210  103220  103230  103240  103250  103260  103270  103280
Human         TGCTTACCCTTTAAAAAATGTTGAATCCTCACAGTATGATTAAATACTACTTGTAAGTGTCTGTTAACATAATGTAT 102501
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              103290  103300  103310  103320  103330  103340  103350  103360
Human         TTTTGTAGATAATTTGAGTAGAATTATACGTGCAATATATCTTGAGTTGTGACCAACAAGAAACAGATTAATGATTGA 102581
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              103370  103380  103390  103400  103410  103420  103430  103440
Human         AAATTCACCATACATTACTACCTATGTCCTCCACCTGCTATCTACTTCCAATTTTTTATATATATAAAAGTCATTAAG 102661
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              103450  103460  103470  103480  103490  103500  103510  103520
Human         TCATTTGTAATTGAGTTTGTTTTTTTTCTTGAGACAGGGTCTCACTCTGTCACCCAGGCTGGAGTGCAAATGGCATGAT 102741
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              103530  103540  103550  103560  103570  103580  103590  103600
Human         CACAGCTCACTGCAGCCTCAACCTCCCAGGTTGCATAGATCCTCCACCTCAGTCCCCACAGGCATGCATCACCATGCC 102821
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              103610  103620  103630  103640  103650  103660  103670  103680
Human         TGACTAGTTTTTGTGTTTTTTTGTAGAGACAAGGTTTTGCCATGTTGCCAGACTGGTCTCAAACCTGGGCCAAAGCCAT 102901
AsianBonytongue
Reedfish
NorthernPike
SpottedGar
ParamormyropsKingsLeyae

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