## mini-pro

```
fna.data <- "WisconsinCancer.csv"
wisc.df <- read.csv(fna.data, row.names=1)
wisc.df</pre>
```

|          | diagnosis | radius mean | texture mean | perimeter_mean | area mean |
|----------|-----------|-------------|--------------|----------------|-----------|
| 842302   | М         | 17.990      | 10.38        | 122.80         | 1001.0    |
| 842517   | М         | 20.570      | 17.77        | 132.90         | 1326.0    |
| 84300903 | М         | 19.690      | 21.25        | 130.00         | 1203.0    |
| 84348301 | М         | 11.420      | 20.38        | 77.58          | 386.1     |
| 84358402 | М         | 20.290      | 14.34        | 135.10         | 1297.0    |
| 843786   | М         | 12.450      | 15.70        | 82.57          | 477.1     |
| 844359   | М         | 18.250      | 19.98        | 119.60         | 1040.0    |
| 84458202 | М         | 13.710      | 20.83        | 90.20          | 577.9     |
| 844981   | М         | 13.000      | 21.82        | 87.50          | 519.8     |
| 84501001 | М         | 12.460      | 24.04        | 83.97          | 475.9     |
| 845636   | М         | 16.020      | 23.24        | 102.70         | 797.8     |
| 84610002 | М         | 15.780      | 17.89        | 103.60         | 781.0     |
| 846226   | М         | 19.170      | 24.80        | 132.40         | 1123.0    |
| 846381   | М         | 15.850      | 23.95        | 103.70         | 782.7     |
| 84667401 | М         | 13.730      | 22.61        | 93.60          | 578.3     |
| 84799002 | М         | 14.540      | 27.54        | 96.73          | 658.8     |
| 848406   | М         | 14.680      | 20.13        | 94.74          | 684.5     |
| 84862001 | М         | 16.130      | 20.68        | 108.10         | 798.8     |
| 849014   | М         | 19.810      | 22.15        | 130.00         | 1260.0    |
| 8510426  | В         | 13.540      | 14.36        | 87.46          | 566.3     |
| 8510653  | В         | 13.080      | 15.71        | 85.63          | 520.0     |
| 8510824  | В         | 9.504       | 12.44        | 60.34          | 273.9     |
| 8511133  | М         | 15.340      | 14.26        | 102.50         | 704.4     |
| 851509   | М         | 21.160      | 23.04        | 137.20         | 1404.0    |
| 852552   | М         | 16.650      | 21.38        | 110.00         | 904.6     |
| 852631   | М         | 17.140      | 16.40        | 116.00         | 912.7     |
| 852763   | М         | 14.580      | 21.53        | 97.41          | 644.8     |
| 852781   | М         | 18.610      | 20.25        | 122.10         | 1094.0    |
| 852973   | М         | 15.300      | 25.27        | 102.40         | 732.4     |
| 853201   | М         | 17.570      | 15.05        | 115.00         | 955.1     |
| 853401   | М         | 18.630      | 25.11        | 124.80         | 1088.0    |
| 853612   | М         | 11.840      | 18.70        | 77.93          | 440.6     |
| 85382601 | М         | 17.020      | 23.98        | 112.80         | 899.3     |
| 854002   | М         | 19.270      | 26.47        | 127.90         | 1162.0    |
| 854039   | М         | 16.130      | 17.88        | 107.00         | 807.2     |
| 854253   | М         | 16.740      | 21.59        | 110.10         | 869.5     |
| 854268   | М         | 14.250      | 21.72        | 93.63          | 633.0     |
| 854941   | В         | 13.030      | 18.42        | 82.61          | 523.8     |
| 855133   | М         | 14.990      | 25.20        | 95.54          | 698.8     |
| 855138   | М         | 13.480      | 20.82        | 88.40          | 559.2     |
| 855167   | М         | 13.440      | 21.58        | 86.18          | 563.0     |
| 855563   | М         | 10.950      | 21.35        | 71.90          | 371.1     |

| 855625   | М | 19.070 | 24.81 | 128.30 | 1104.0 |
|----------|---|--------|-------|--------|--------|
| 856106   | М | 13.280 | 20.28 | 87.32  | 545.2  |
| 85638502 | М | 13.170 | 21.81 | 85.42  | 531.5  |
| 857010   | М | 18.650 | 17.60 | 123.70 | 1076.0 |
| 85713702 | В | 8.196  | 16.84 | 51.71  | 201.9  |
| 85715    | М | 13.170 | 18.66 | 85.98  | 534.6  |
| 857155   | В | 12.050 | 14.63 | 78.04  | 449.3  |
| 857156   | В | 13.490 | 22.30 | 86.91  | 561.0  |
| 857343   | В | 11.760 | 21.60 | 74.72  | 427.9  |
| 857373   | В | 13.640 | 16.34 | 87.21  | 571.8  |
| 857374   | В | 11.940 | 18.24 | 75.71  | 437.6  |
| 857392   | М | 18.220 | 18.70 | 120.30 | 1033.0 |
| 857438   | М | 15.100 | 22.02 | 97.26  | 712.8  |
| 85759902 | В | 11.520 | 18.75 | 73.34  | 409.0  |
| 857637   | М | 19.210 | 18.57 | 125.50 | 1152.0 |
| 857793   | М | 14.710 | 21.59 | 95.55  | 656.9  |
| 857810   | В | 13.050 | 19.31 | 82.61  | 527.2  |
| 858477   | В | 8.618  | 11.79 | 54.34  | 224.5  |
| 858970   | В | 10.170 | 14.88 | 64.55  | 311.9  |
| 858981   | В | 8.598  | 20.98 | 54.66  | 221.8  |
| 858986   | М | 14.250 | 22.15 | 96.42  | 645.7  |
| 859196   | В | 9.173  | 13.86 | 59.20  | 260.9  |
| 85922302 | М | 12.680 | 23.84 | 82.69  | 499.0  |
| 859283   | М | 14.780 | 23.94 | 97.40  | 668.3  |
| 859464   | В | 9.465  | 21.01 | 60.11  | 269.4  |
| 859465   | В | 11.310 | 19.04 | 71.80  | 394.1  |
| 859471   | В | 9.029  | 17.33 | 58.79  | 250.5  |
| 859487   | В | 12.780 | 16.49 | 81.37  | 502.5  |
| 859575   | М | 18.940 | 21.31 | 123.60 | 1130.0 |
| 859711   | В | 8.888  | 14.64 | 58.79  | 244.0  |
| 859717   | М | 17.200 | 24.52 | 114.20 | 929.4  |
| 859983   | М | 13.800 | 15.79 | 90.43  | 584.1  |
| 8610175  | В | 12.310 | 16.52 | 79.19  | 470.9  |
| 8610404  | М | 16.070 | 19.65 | 104.10 | 817.7  |
| 8610629  | В | 13.530 | 10.94 | 87.91  | 559.2  |
| 8610637  | М | 18.050 | 16.15 | 120.20 | 1006.0 |
| 8610862  | М | 20.180 | 23.97 | 143.70 | 1245.0 |
| 8610908  | В | 12.860 | 18.00 | 83.19  | 506.3  |
| 861103   | В | 11.450 | 20.97 | 73.81  | 401.5  |
| 8611161  | В | 13.340 | 15.86 | 86.49  | 520.0  |
| 8611555  | М | 25.220 | 24.91 | 171.50 | 1878.0 |
| 8611792  | М | 19.100 | 26.29 | 129.10 | 1132.0 |
| 8612080  | В | 12.000 | 15.65 | 76.95  | 443.3  |
| 8612399  | М | 18.460 | 18.52 | 121.10 | 1075.0 |
| 86135501 | М | 14.480 | 21.46 | 94.25  | 648.2  |
| 86135502 | М | 19.020 | 24.59 | 122.00 | 1076.0 |
| 861597   | В | 12.360 | 21.80 | 79.78  | 466.1  |
| 861598   | В | 14.640 | 15.24 | 95.77  | 651.9  |
| 861648   | В | 14.620 | 24.02 | 94.57  | 662.7  |
| 861799   | М | 15.370 | 22.76 | 100.20 | 728.2  |
| 861853   | В | 13.270 | 14.76 | 84.74  | 551.7  |
| 201023   | D | 13.2/0 | 17.70 | 04.74  | JJ1./  |

| 862009   | В | 13.450 | 18.30 | 86.60  | 555.1  |
|----------|---|--------|-------|--------|--------|
| 862028   | М | 15.060 | 19.83 | 100.30 | 705.6  |
| 86208    | М | 20.260 | 23.03 | 132.40 | 1264.0 |
| 86211    | В | 12.180 | 17.84 | 77.79  | 451.1  |
| 862261   | В | 9.787  | 19.94 | 62.11  | 294.5  |
| 862485   | В | 11.600 | 12.84 | 74.34  | 412.6  |
| 862548   | М | 14.420 | 19.77 | 94.48  | 642.5  |
| 862717   | М | 13.610 | 24.98 | 88.05  | 582.7  |
| 862722   | В | 6.981  | 13.43 | 43.79  | 143.5  |
| 862965   | В | 12.180 | 20.52 | 77.22  | 458.7  |
| 862980   | В | 9.876  | 19.40 | 63.95  | 298.3  |
| 862989   | В | 10.490 | 19.29 | 67.41  | 336.1  |
| 863030   | М | 13.110 | 15.56 | 87.21  | 530.2  |
| 863031   | В | 11.640 | 18.33 | 75.17  | 412.5  |
| 863270   | В | 12.360 | 18.54 | 79.01  | 466.7  |
| 86355    | М | 22.270 | 19.67 | 152.80 | 1509.0 |
| 864018   | В | 11.340 | 21.26 | 72.48  | 396.5  |
| 864033   | В | 9.777  | 16.99 | 62.50  | 290.2  |
| 86408    | В | 12.630 | 20.76 | 82.15  | 480.4  |
| 86409    | В | 14.260 | 19.65 | 97.83  | 629.9  |
| 864292   | В | 10.510 | 20.19 | 68.64  | 334.2  |
| 864496   | В | 8.726  | 15.83 | 55.84  | 230.9  |
| 864685   | В | 11.930 | 21.53 | 76.53  | 438.6  |
| 864726   | В | 8.950  | 15.76 | 58.74  | 245.2  |
| 864729   | М | 14.870 | 16.67 | 98.64  | 682.5  |
| 864877   | М | 15.780 | 22.91 | 105.70 | 782.6  |
| 865128   | М | 17.950 | 20.01 | 114.20 | 982.0  |
| 865137   | В | 11.410 | 10.82 | 73.34  | 403.3  |
| 86517    | М | 18.660 | 17.12 | 121.40 | 1077.0 |
| 865423   | М | 24.250 | 20.20 | 166.20 | 1761.0 |
| 865432   | В | 14.500 | 10.89 | 94.28  | 640.7  |
| 865468   | В | 13.370 | 16.39 | 86.10  | 553.5  |
| 86561    | В | 13.850 | 17.21 | 88.44  | 588.7  |
| 866083   | М | 13.610 | 24.69 | 87.76  | 572.6  |
| 866203   | М | 19.000 | 18.91 | 123.40 | 1138.0 |
| 866458   | В | 15.100 | 16.39 | 99.58  | 674.5  |
| 866674   | М | 19.790 | 25.12 | 130.40 | 1192.0 |
| 866714   | В | 12.190 | 13.29 | 79.08  | 455.8  |
| 8670     | М | 15.460 | 19.48 | 101.70 | 748.9  |
| 86730502 | М | 16.160 | 21.54 | 106.20 | 809.8  |
| 867387   | В | 15.710 | 13.93 | 102.00 | 761.7  |
| 867739   | М | 18.450 | 21.91 | 120.20 | 1075.0 |
| 868202   | М | 12.770 | 22.47 | 81.72  | 506.3  |
| 868223   | В | 11.710 | 16.67 | 74.72  | 423.6  |
| 868682   | В | 11.430 | 15.39 | 73.06  | 399.8  |
| 868826   | М | 14.950 | 17.57 | 96.85  | 678.1  |
| 868871   | В | 11.280 | 13.39 | 73.00  | 384.8  |
| 868999   | В | 9.738  | 11.97 | 61.24  | 288.5  |
| 869104   | М | 16.110 | 18.05 | 105.10 | 813.0  |
| 869218   | В | 11.430 | 17.31 | 73.66  | 398.0  |
| 869224   | В | 12.900 | 15.92 | 83.74  | 512.2  |
|          |   |        |       |        |        |

| 869254    | В | 10.750 | 14.97 | 68.26  | 355.3  |
|-----------|---|--------|-------|--------|--------|
| 869476    | В | 11.900 | 14.65 | 78.11  | 432.8  |
| 869691    | М | 11.800 | 16.58 | 78.99  | 432.0  |
| 86973701  | В | 14.950 | 18.77 | 97.84  | 689.5  |
| 86973702  | В | 14.440 | 15.18 | 93.97  | 640.1  |
| 869931    | В | 13.740 | 17.91 | 88.12  | 585.0  |
| 871001501 | В | 13.000 | 20.78 | 83.51  | 519.4  |
| 871001502 | В | 8.219  | 20.70 | 53.27  | 203.9  |
| 8710441   | В | 9.731  | 15.34 | 63.78  | 300.2  |
| 87106     | В | 11.150 | 13.08 | 70.87  | 381.9  |
| 8711002   | В | 13.150 | 15.34 | 85.31  | 538.9  |
| 8711003   | В | 12.250 | 17.94 | 78.27  | 460.3  |
| 8711202   | М | 17.680 | 20.74 | 117.40 | 963.7  |
| 8711216   | В | 16.840 | 19.46 | 108.40 | 880.2  |
| 871122    | В | 12.060 | 12.74 | 76.84  | 448.6  |
| 871149    | В | 10.900 | 12.96 | 68.69  | 366.8  |
| 8711561   | В | 11.750 | 20.18 | 76.10  | 419.8  |
| 8711803   | М | 19.190 | 15.94 | 126.30 | 1157.0 |
| 871201    | М | 19.590 | 18.15 | 130.70 | 1214.0 |
| 8712064   | В | 12.340 | 22.22 | 79.85  | 464.5  |
| 8712289   | М | 23.270 | 22.04 | 152.10 | 1686.0 |
| 8712291   | В | 14.970 | 19.76 | 95.50  | 690.2  |
| 87127     | В | 10.800 | 9.71  | 68.77  | 357.6  |
| 8712729   | М | 16.780 | 18.80 | 109.30 | 886.3  |
| 8712766   | М | 17.470 | 24.68 | 116.10 | 984.6  |
| 8712853   | В | 14.970 | 16.95 | 96.22  | 685.9  |
| 87139402  | В | 12.320 | 12.39 | 78.85  | 464.1  |
| 87163     | М | 13.430 | 19.63 | 85.84  | 565.4  |
| 87164     | М | 15.460 | 11.89 | 102.50 | 736.9  |
| 871641    | В | 11.080 | 14.71 | 70.21  | 372.7  |
| 871642    | В | 10.660 | 15.15 | 67.49  | 349.6  |
| 872113    | В | 8.671  | 14.45 | 54.42  | 227.2  |
| 872608    | В | 9.904  | 18.06 | 64.60  | 302.4  |
| 87281702  | М | 16.460 | 20.11 | 109.30 | 832.9  |
| 873357    | В | 13.010 | 22.22 | 82.01  | 526.4  |
| 873586    | В | 12.810 | 13.06 | 81.29  | 508.8  |
| 873592    | М | 27.220 | 21.87 | 182.10 | 2250.0 |
| 873593    | М | 21.090 | 26.57 | 142.70 | 1311.0 |
| 873701    | М | 15.700 | 20.31 | 101.20 | 766.6  |
| 873843    | В | 11.410 | 14.92 | 73.53  | 402.0  |
| 873885    | М | 15.280 | 22.41 | 98.92  | 710.6  |
| 874158    | В | 10.080 | 15.11 | 63.76  | 317.5  |
| 874217    | М | 18.310 | 18.58 | 118.60 | 1041.0 |
| 874373    | В | 11.710 | 17.19 | 74.68  | 420.3  |
| 874662    | В | 11.810 | 17.39 | 75.27  | 428.9  |
| 874839    | В | 12.300 | 15.90 | 78.83  | 463.7  |
| 874858    | М | 14.220 | 23.12 | 94.37  | 609.9  |
| 875093    | В | 12.770 | 21.41 | 82.02  | 507.4  |
| 875099    | В | 9.720  | 18.22 | 60.73  | 288.1  |
| 875263    | М | 12.340 | 26.86 | 81.15  | 477.4  |
| 87556202  | М | 14.860 | 23.21 | 100.40 | 671.4  |
|           |   |        |       |        |        |

| 875878    | В | 12.910 | 16.33 | 82.53  | 516.4  |
|-----------|---|--------|-------|--------|--------|
| 875938    | М | 13.770 | 22.29 | 90.63  | 588.9  |
| 877159    | М | 18.080 | 21.84 | 117.40 | 1024.0 |
| 877486    | М | 19.180 | 22.49 | 127.50 | 1148.0 |
| 877500    | М | 14.450 | 20.22 | 94.49  | 642.7  |
| 877501    | В | 12.230 | 19.56 | 78.54  | 461.0  |
| 877989    | М | 17.540 | 19.32 | 115.10 | 951.6  |
| 878796    | М | 23.290 | 26.67 | 158.90 | 1685.0 |
| 87880     | М | 13.810 | 23.75 | 91.56  | 597.8  |
| 87930     | В | 12.470 | 18.60 | 81.09  | 481.9  |
| 879523    | М | 15.120 | 16.68 | 98.78  | 716.6  |
| 879804    | В | 9.876  | 17.27 | 62.92  | 295.4  |
| 879830    | М | 17.010 | 20.26 | 109.70 | 904.3  |
| 8810158   | В | 13.110 | 22.54 | 87.02  | 529.4  |
| 8810436   | В | 15.270 | 12.91 | 98.17  | 725.5  |
| 881046502 | М | 20.580 | 22.14 | 134.70 | 1290.0 |
| 8810528   | В | 11.840 | 18.94 | 75.51  | 428.0  |
| 8810703   | М | 28.110 | 18.47 | 188.50 | 2499.0 |
| 881094802 | М | 17.420 | 25.56 | 114.50 | 948.0  |
| 8810955   | М | 14.190 | 23.81 | 92.87  | 610.7  |
| 8810987   | М | 13.860 | 16.93 | 90.96  | 578.9  |
| 8811523   | В | 11.890 | 18.35 | 77.32  | 432.2  |
| 8811779   | В | 10.200 | 17.48 | 65.05  | 321.2  |
| 8811842   | М | 19.800 | 21.56 | 129.70 | 1230.0 |
| 88119002  | М | 19.530 | 32.47 | 128.00 | 1223.0 |
| 8812816   | В | 13.650 | 13.16 | 87.88  | 568.9  |
| 8812818   | В | 13.560 | 13.90 | 88.59  | 561.3  |
| 8812844   | В | 10.180 | 17.53 | 65.12  | 313.1  |
| 8812877   | М | 15.750 | 20.25 | 102.60 | 761.3  |
| 8813129   | В | 13.270 | 17.02 | 84.55  | 546.4  |
| 88143502  | В | 14.340 | 13.47 | 92.51  | 641.2  |
| 88147101  | В | 10.440 | 15.46 | 66.62  | 329.6  |
| 88147102  | В | 15.000 | 15.51 | 97.45  | 684.5  |
| 88147202  | В | 12.620 | 23.97 | 81.35  | 496.4  |
| 881861    | М | 12.830 | 22.33 | 85.26  | 503.2  |
| 881972    | М | 17.050 | 19.08 | 113.40 | 895.0  |
| 88199202  | В | 11.320 | 27.08 | 71.76  | 395.7  |
| 88203002  | В | 11.220 | 33.81 | 70.79  | 386.8  |
| 88206102  | М | 20.510 | 27.81 | 134.40 | 1319.0 |
| 882488    | В | 9.567  | 15.91 | 60.21  | 279.6  |
| 88249602  | В | 14.030 | 21.25 | 89.79  | 603.4  |
| 88299702  | М | 23.210 | 26.97 | 153.50 | 1670.0 |
| 883263    | М | 20.480 | 21.46 | 132.50 | 1306.0 |
| 883270    | В | 14.220 | 27.85 | 92.55  | 623.9  |
| 88330202  | М | 17.460 | 39.28 | 113.40 | 920.6  |
| 88350402  | В | 13.640 | 15.60 | 87.38  | 575.3  |
| 883539    | В | 12.420 | 15.04 | 78.61  | 476.5  |
| 883852    | В | 11.300 | 18.19 | 73.93  | 389.4  |
| 88411702  | В | 13.750 | 23.77 | 88.54  | 590.0  |
| 884180    | М | 19.400 | 23.50 | 129.10 | 1155.0 |
| 884437    | В | 10.480 | 19.86 | 66.72  | 337.7  |
|           |   |        |       |        |        |

| 884448   | В | 13.200 | 17.43 | 84.13  | 541.6  |
|----------|---|--------|-------|--------|--------|
| 884626   | В | 12.890 | 14.11 | 84.95  | 512.2  |
| 88466802 | В | 10.650 | 25.22 | 68.01  | 347.0  |
| 884689   | В | 11.520 | 14.93 | 73.87  | 406.3  |
| 884948   | М | 20.940 | 23.56 | 138.90 | 1364.0 |
| 88518501 | В | 11.500 | 18.45 | 73.28  | 407.4  |
| 885429   | М | 19.730 | 19.82 | 130.70 | 1206.0 |
| 8860702  | М | 17.300 | 17.08 | 113.00 | 928.2  |
| 886226   | М | 19.450 | 19.33 | 126.50 | 1169.0 |
| 886452   | М | 13.960 | 17.05 | 91.43  | 602.4  |
| 88649001 | М | 19.550 | 28.77 | 133.60 | 1207.0 |
| 886776   | М | 15.320 | 17.27 | 103.20 | 713.3  |
| 887181   | М | 15.660 | 23.20 | 110.20 | 773.5  |
| 88725602 | М | 15.530 | 33.56 | 103.70 | 744.9  |
| 887549   | М | 20.310 | 27.06 | 132.90 | 1288.0 |
| 888264   | М | 17.350 | 23.06 | 111.00 | 933.1  |
| 888570   | М | 17.290 | 22.13 | 114.40 | 947.8  |
| 889403   | М | 15.610 | 19.38 | 100.00 | 758.6  |
| 889719   | М | 17.190 | 22.07 | 111.60 | 928.3  |
| 88995002 | М | 20.730 | 31.12 | 135.70 | 1419.0 |
| 8910251  | В | 10.600 | 18.95 | 69.28  | 346.4  |
| 8910499  | В | 13.590 | 21.84 | 87.16  | 561.0  |
| 8910506  | В | 12.870 | 16.21 | 82.38  | 512.2  |
| 8910720  | В | 10.710 | 20.39 | 69.50  | 344.9  |
| 8910721  | В | 14.290 | 16.82 | 90.30  | 632.6  |
| 8910748  | В | 11.290 | 13.04 | 72.23  | 388.0  |
| 8910988  | М | 21.750 | 20.99 | 147.30 | 1491.0 |
| 8910996  | В | 9.742  | 15.67 | 61.50  | 289.9  |
| 8911163  | М | 17.930 | 24.48 | 115.20 | 998.9  |
| 8911164  | В | 11.890 | 17.36 | 76.20  | 435.6  |
| 8911230  | В | 11.330 | 14.16 | 71.79  | 396.6  |
| 8911670  | М | 18.810 | 19.98 | 120.90 | 1102.0 |
| 8911800  | В | 13.590 | 17.84 | 86.24  | 572.3  |
| 8911834  | В | 13.850 | 15.18 | 88.99  | 587.4  |
| 8912049  | М | 19.160 | 26.60 | 126.20 | 1138.0 |
| 8912055  | В | 11.740 | 14.02 | 74.24  | 427.3  |
| 89122    | М | 19.400 | 18.18 | 127.20 | 1145.0 |
| 8912280  | М | 16.240 | 18.77 | 108.80 | 805.1  |
| 8912284  | В | 12.890 | 15.70 | 84.08  | 516.6  |
| 8912521  | В | 12.580 | 18.40 | 79.83  | 489.0  |
| 8912909  | В | 11.940 | 20.76 | 77.87  | 441.0  |
| 8913     | В | 12.890 | 13.12 | 81.89  | 515.9  |
| 8913049  | В | 11.260 | 19.96 | 73.72  | 394.1  |
| 89143601 | В | 11.370 | 18.89 | 72.17  | 396.0  |
| 89143602 | В | 14.410 | 19.73 | 96.03  | 651.0  |
| 8915     | В | 14.960 | 19.10 | 97.03  | 687.3  |
| 891670   | В | 12.950 | 16.02 | 83.14  | 513.7  |
| 891703   | В | 11.850 | 17.46 | 75.54  | 432.7  |
| 891716   | В | 12.720 | 13.78 | 81.78  | 492.1  |
| 891923   | В | 13.770 | 13.27 | 88.06  | 582.7  |
| 891936   | В | 10.910 | 12.35 | 69.14  | 363.7  |
|          | _ |        |       | ·      | 202.,  |

| 892189   | М | 11.760 | 18.14 | 75.00  | 431.1  |
|----------|---|--------|-------|--------|--------|
| 892214   | В | 14.260 | 18.17 | 91.22  | 633.1  |
| 892399   | В | 10.510 | 23.09 | 66.85  | 334.2  |
| 892438   | М | 19.530 | 18.90 | 129.50 | 1217.0 |
| 892604   | В | 12.460 | 19.89 | 80.43  | 471.3  |
| 89263202 | М | 20.090 | 23.86 | 134.70 | 1247.0 |
| 892657   | В | 10.490 | 18.61 | 66.86  | 334.3  |
| 89296    | В | 11.460 | 18.16 | 73.59  | 403.1  |
| 893061   | В | 11.600 | 24.49 | 74.23  | 417.2  |
| 89344    | В | 13.200 | 15.82 | 84.07  | 537.3  |
| 89346    | В | 9.000  | 14.40 | 56.36  | 246.3  |
| 893526   | В | 13.500 | 12.71 | 85.69  | 566.2  |
| 893548   | В | 13.050 | 13.84 | 82.71  | 530.6  |
| 893783   | В | 11.700 | 19.11 | 74.33  | 418.7  |
| 89382601 | В | 14.610 | 15.69 | 92.68  | 664.9  |
| 89382602 | В | 12.760 | 13.37 | 82.29  | 504.1  |
| 893988   | В | 11.540 | 10.72 | 73.73  | 409.1  |
| 894047   | В | 8.597  | 18.60 | 54.09  | 221.2  |
| 894089   | В | 12.490 | 16.85 | 79.19  | 481.6  |
| 894090   | В | 12.180 | 14.08 | 77.25  | 461.4  |
| 894326   | М | 18.220 | 18.87 | 118.70 | 1027.0 |
| 894329   | В | 9.042  | 18.90 | 60.07  | 244.5  |
| 894335   | В | 12.430 | 17.00 | 78.60  | 477.3  |
| 894604   | В | 10.250 | 16.18 | 66.52  | 324.2  |
| 894618   | М | 20.160 | 19.66 | 131.10 | 1274.0 |
| 894855   | В | 12.860 | 13.32 | 82.82  | 504.8  |
| 895100   | М | 20.340 | 21.51 | 135.90 | 1264.0 |
| 89511501 | В | 12.200 | 15.21 | 78.01  | 457.9  |
| 89511502 | В | 12.670 | 17.30 | 81.25  | 489.9  |
| 89524    | В | 14.110 | 12.88 | 90.03  | 616.5  |
| 895299   | В | 12.030 | 17.93 | 76.09  | 446.0  |
| 8953902  | М | 16.270 | 20.71 | 106.90 | 813.7  |
| 895633   | М | 16.260 | 21.88 | 107.50 | 826.8  |
| 896839   | М | 16.030 | 15.51 | 105.80 | 793.2  |
| 896864   | В | 12.980 | 19.35 | 84.52  | 514.0  |
| 897132   | В | 11.220 | 19.86 | 71.94  | 387.3  |
| 897137   | В | 11.250 | 14.78 | 71.38  | 390.0  |
| 897374   | В | 12.300 | 19.02 | 77.88  | 464.4  |
| 89742801 | М | 17.060 | 21.00 | 111.80 | 918.6  |
| 897604   | В | 12.990 | 14.23 | 84.08  | 514.3  |
| 897630   | М | 18.770 | 21.43 | 122.90 | 1092.0 |
| 897880   | В | 10.050 | 17.53 | 64.41  | 310.8  |
| 89812    | М | 23.510 | 24.27 | 155.10 | 1747.0 |
| 89813    | В | 14.420 | 16.54 | 94.15  | 641.2  |
| 898143   | В | 9.606  | 16.84 | 61.64  | 280.5  |
| 89827    | В | 11.060 | 14.96 | 71.49  | 373.9  |
| 898431   | М | 19.680 | 21.68 | 129.90 | 1194.0 |
| 89864002 | В | 11.710 | 15.45 | 75.03  | 420.3  |
| 898677   | В | 10.260 | 14.71 | 66.20  | 321.6  |
| 898678   | В | 12.060 | 18.90 | 76.66  | 445.3  |
| 89869    | В | 14.760 | 14.74 | 94.87  | 668.7  |
|          |   | -      |       |        | -      |

| 898690    | В | 11.470 | 16.03 | 73.02  | 402.7  |
|-----------|---|--------|-------|--------|--------|
| 899147    | В | 11.950 | 14.96 | 77.23  | 426.7  |
| 899187    | В | 11.660 | 17.07 | 73.70  | 421.0  |
| 899667    | М | 15.750 | 19.22 | 107.10 | 758.6  |
| 899987    | М | 25.730 | 17.46 | 174.20 | 2010.0 |
| 9010018   | М | 15.080 | 25.74 | 98.00  | 716.6  |
| 901011    | В | 11.140 | 14.07 | 71.24  | 384.6  |
| 9010258   | В | 12.560 | 19.07 | 81.92  | 485.8  |
| 9010259   | В | 13.050 | 18.59 | 85.09  | 512.0  |
| 901028    | В | 13.870 | 16.21 | 88.52  | 593.7  |
| 9010333   | В | 8.878  | 15.49 | 56.74  | 241.0  |
| 901034301 | В | 9.436  | 18.32 | 59.82  | 278.6  |
| 901034302 | В | 12.540 | 18.07 | 79.42  | 491.9  |
| 901041    | В | 13.300 | 21.57 | 85.24  | 546.1  |
| 9010598   | В | 12.760 | 18.84 | 81.87  | 496.6  |
| 9010872   | В | 16.500 | 18.29 | 106.60 | 838.1  |
| 9010877   | В | 13.400 | 16.95 | 85.48  | 552.4  |
| 901088    | М | 20.440 | 21.78 | 133.80 | 1293.0 |
| 9011494   | М | 20.200 | 26.83 | 133.70 | 1234.0 |
| 9011495   | В | 12.210 | 18.02 | 78.31  | 458.4  |
| 9011971   | М | 21.710 | 17.25 | 140.90 | 1546.0 |
| 9012000   | М | 22.010 | 21.90 | 147.20 | 1482.0 |
| 9012315   | М | 16.350 | 23.29 | 109.00 | 840.4  |
| 9012568   | В | 15.190 | 13.21 | 97.65  | 711.8  |
| 9012795   | М | 21.370 | 15.10 | 141.30 | 1386.0 |
| 901288    | М | 20.640 | 17.35 | 134.80 | 1335.0 |
| 9013005   | В | 13.690 | 16.07 | 87.84  | 579.1  |
| 901303    | В | 16.170 | 16.07 | 106.30 | 788.5  |
| 901315    | В | 10.570 | 20.22 | 70.15  | 338.3  |
| 9013579   | В | 13.460 | 28.21 | 85.89  | 562.1  |
| 9013594   | В | 13.660 | 15.15 | 88.27  | 580.6  |
| 9013838   | М | 11.080 | 18.83 | 73.30  | 361.6  |
| 901549    | В | 11.270 | 12.96 | 73.16  | 386.3  |
| 901836    | В | 11.040 | 14.93 | 70.67  | 372.7  |
| 90250     | В | 12.050 | 22.72 | 78.75  | 447.8  |
| 90251     | В | 12.390 | 17.48 | 80.64  | 462.9  |
| 902727    | В | 13.280 | 13.72 | 85.79  | 541.8  |
| 90291     | М | 14.600 | 23.29 | 93.97  | 664.7  |
| 902975    | В | 12.210 | 14.09 | 78.78  | 462.0  |
| 902976    | В | 13.880 | 16.16 | 88.37  | 596.6  |
| 903011    | В | 11.270 | 15.50 | 73.38  | 392.0  |
| 90312     | М | 19.550 | 23.21 | 128.90 | 1174.0 |
| 90317302  | В | 10.260 | 12.22 | 65.75  | 321.6  |
| 903483    | В | 8.734  | 16.84 | 55.27  | 234.3  |
| 903507    | М | 15.490 | 19.97 | 102.40 | 744.7  |
| 903516    | М | 21.610 | 22.28 | 144.40 | 1407.0 |
| 903554    | В | 12.100 | 17.72 | 78.07  | 446.2  |
| 903811    | В | 14.060 | 17.18 | 89.75  | 609.1  |
| 90401601  | В | 13.510 | 18.89 | 88.10  | 558.1  |
| 90401602  | В | 12.800 | 17.46 | 83.05  | 508.3  |
| 904302    | В | 11.060 | 14.83 | 70.31  | 378.2  |
|           |   |        |       |        |        |

| 904357    | В | 11.800 | 17.26 | 75.26  | 431.9  |
|-----------|---|--------|-------|--------|--------|
| 90439701  | М | 17.910 | 21.02 | 124.40 | 994.0  |
| 904647    | В | 11.930 | 10.91 | 76.14  | 442.7  |
| 904689    | В | 12.960 | 18.29 | 84.18  | 525.2  |
| 9047      | В | 12.940 | 16.17 | 83.18  | 507.6  |
| 904969    | В | 12.340 | 14.95 | 78.29  | 469.1  |
| 904971    | В | 10.940 | 18.59 | 70.39  | 370.0  |
| 905189    | В | 16.140 | 14.86 | 104.30 | 800.0  |
| 905190    | В | 12.850 | 21.37 | 82.63  | 514.5  |
| 90524101  | М | 17.990 | 20.66 | 117.80 | 991.7  |
| 905501    | В | 12.270 | 17.92 | 78.41  | 466.1  |
| 905502    | В | 11.360 | 17.57 | 72.49  | 399.8  |
| 905520    | В | 11.040 | 16.83 | 70.92  | 373.2  |
| 905539    | В | 9.397  | 21.68 | 59.75  | 268.8  |
| 905557    | В | 14.990 | 22.11 | 97.53  | 693.7  |
| 905680    | М | 15.130 | 29.81 | 96.71  | 719.5  |
| 905686    | В | 11.890 | 21.17 | 76.39  | 433.8  |
| 905978    | В | 9.405  | 21.70 | 59.60  | 271.2  |
| 90602302  | М | 15.500 | 21.08 | 102.90 | 803.1  |
| 906024    | В | 12.700 | 12.17 | 80.88  | 495.0  |
| 906290    | В | 11.160 | 21.41 | 70.95  | 380.3  |
| 906539    | В | 11.570 | 19.04 | 74.20  | 409.7  |
| 906564    | В | 14.690 | 13.98 | 98.22  | 656.1  |
| 906616    | В | 11.610 | 16.02 | 75.46  | 408.2  |
| 906878    | В | 13.660 | 19.13 | 89.46  | 575.3  |
| 907145    | В | 9.742  | 19.12 | 61.93  | 289.7  |
| 907367    | В | 10.030 | 21.28 | 63.19  | 307.3  |
| 907409    | В | 10.480 | 14.98 | 67.49  | 333.6  |
| 90745     | В | 10.800 | 21.98 | 68.79  | 359.9  |
| 90769601  | В | 11.130 | 16.62 | 70.47  | 381.1  |
| 90769602  | В | 12.720 | 17.67 | 80.98  | 501.3  |
| 907914    | М | 14.900 | 22.53 | 102.10 | 685.0  |
| 907915    | В | 12.400 | 17.68 | 81.47  | 467.8  |
| 908194    | М | 20.180 | 19.54 | 133.80 | 1250.0 |
| 908445    | М | 18.820 | 21.97 | 123.70 | 1110.0 |
| 908469    | В | 14.860 | 16.94 | 94.89  | 673.7  |
| 908489    | М | 13.980 | 19.62 | 91.12  | 599.5  |
| 908916    | В | 12.870 | 19.54 | 82.67  | 509.2  |
| 909220    | В | 14.040 | 15.98 | 89.78  | 611.2  |
| 909231    | В | 13.850 | 19.60 | 88.68  | 592.6  |
| 909410    | В | 14.020 | 15.66 | 89.59  | 606.5  |
| 909411    | В | 10.970 | 17.20 | 71.73  | 371.5  |
| 909445    | М | 17.270 | 25.42 | 112.40 | 928.8  |
| 90944601  | В | 13.780 | 15.79 | 88.37  | 585.9  |
| 909777    | В | 10.570 | 18.32 | 66.82  | 340.9  |
| 9110127   | М | 18.030 | 16.85 | 117.50 | 990.0  |
| 9110720   | В | 11.990 | 24.89 | 77.61  | 441.3  |
| 9110732   | М | 17.750 | 28.03 | 117.30 | 981.6  |
| 9110944   | В | 14.800 | 17.66 | 95.88  | 674.8  |
| 911150    | В | 14.530 | 19.34 | 94.25  | 659.7  |
| 911157302 | М | 21.100 | 20.52 | 138.10 | 1384.0 |
|           |   |        |       |        |        |

| 9111596   | В | 11.870 | 21.54 | 76.83  | 432.0  |
|-----------|---|--------|-------|--------|--------|
| 9111805   | М | 19.590 | 25.00 | 127.70 | 1191.0 |
| 9111843   | В | 12.000 | 28.23 | 76.77  | 442.5  |
| 911201    | В | 14.530 | 13.98 | 93.86  | 644.2  |
| 911202    | В | 12.620 | 17.15 | 80.62  | 492.9  |
| 9112085   | В | 13.380 | 30.72 | 86.34  | 557.2  |
| 9112366   | В | 11.630 | 29.29 | 74.87  | 415.1  |
| 9112367   | В | 13.210 | 25.25 | 84.10  | 537.9  |
| 9112594   | В | 13.000 | 25.13 | 82.61  | 520.2  |
| 9112712   | В | 9.755  | 28.20 | 61.68  | 290.9  |
| 911296201 | М | 17.080 | 27.15 | 111.20 | 930.9  |
| 911296202 | М | 27.420 | 26.27 | 186.90 | 2501.0 |
| 9113156   | В | 14.400 | 26.99 | 92.25  | 646.1  |
| 911320501 | В | 11.600 | 18.36 | 73.88  | 412.7  |
| 911320502 | В | 13.170 | 18.22 | 84.28  | 537.3  |
| 9113239   | В | 13.240 | 20.13 | 86.87  | 542.9  |
| 9113455   | В | 13.140 | 20.74 | 85.98  | 536.9  |
| 9113514   | В | 9.668  | 18.10 | 61.06  | 286.3  |
| 9113538   | М | 17.600 | 23.33 | 119.00 | 980.5  |
| 911366    | В | 11.620 | 18.18 | 76.38  | 408.8  |
| 9113778   | В | 9.667  | 18.49 | 61.49  | 289.1  |
| 9113816   | В | 12.040 | 28.14 | 76.85  | 449.9  |
| 911384    | В | 14.920 | 14.93 | 96.45  | 686.9  |
| 9113846   | В | 12.270 | 29.97 | 77.42  | 465.4  |
| 911391    | В | 10.880 | 15.62 | 70.41  | 358.9  |
| 911408    | В | 12.830 | 15.73 | 82.89  | 506.9  |
| 911654    | В | 14.200 | 20.53 | 92.41  | 618.4  |
| 911673    | В | 13.900 | 16.62 | 88.97  | 599.4  |
| 911685    | В | 11.490 | 14.59 | 73.99  | 404.9  |
| 911916    | М | 16.250 | 19.51 | 109.80 | 815.8  |
| 912193    | В | 12.160 | 18.03 | 78.29  | 455.3  |
| 91227     | В | 13.900 | 19.24 | 88.73  | 602.9  |
| 912519    | В | 13.470 | 14.06 | 87.32  | 546.3  |
| 912558    | В | 13.700 | 17.64 | 87.76  | 571.1  |
| 912600    | В | 15.730 | 11.28 | 102.80 | 747.2  |
| 913063    | В | 12.450 | 16.41 | 82.85  | 476.7  |
| 913102    | В | 14.640 | 16.85 | 94.21  | 666.0  |
| 913505    | М | 19.440 | 18.82 | 128.10 | 1167.0 |
| 913512    | В | 11.680 | 16.17 | 75.49  | 420.5  |
| 913535    | М | 16.690 | 20.20 | 107.10 | 857.6  |
| 91376701  | В | 12.250 | 22.44 | 78.18  | 466.5  |
| 91376702  | В | 17.850 | 13.23 | 114.60 | 992.1  |
| 914062    | М | 18.010 | 20.56 | 118.40 | 1007.0 |
| 914101    | В | 12.460 | 12.83 | 78.83  | 477.3  |
| 914102    | В | 13.160 | 20.54 | 84.06  | 538.7  |
| 914333    | В | 14.870 | 20.21 | 96.12  | 680.9  |
| 914366    | В | 12.650 | 18.17 | 82.69  | 485.6  |
| 914580    | В | 12.470 | 17.31 | 80.45  | 480.1  |
| 914769    | М | 18.490 | 17.52 | 121.30 | 1068.0 |
| 91485     | М | 20.590 | 21.24 | 137.80 | 1320.0 |
| 914862    | В | 15.040 | 16.74 | 98.73  | 689.4  |
|           |   |        |       |        |        |

| 91504    | М | 13.820 | 24.49 | 92.33  | 595.9  |
|----------|---|--------|-------|--------|--------|
| 91505    | В | 12.540 | 16.32 | 81.25  | 476.3  |
| 915143   | М | 23.090 | 19.83 | 152.10 | 1682.0 |
| 915186   | В | 9.268  | 12.87 | 61.49  | 248.7  |
| 915276   | В | 9.676  | 13.14 | 64.12  | 272.5  |
| 91544001 | В | 12.220 | 20.04 | 79.47  | 453.1  |
| 91544002 | В | 11.060 | 17.12 | 71.25  | 366.5  |
| 915452   | В | 16.300 | 15.70 | 104.70 | 819.8  |
| 915460   | М | 15.460 | 23.95 | 103.80 | 731.3  |
| 91550    | В | 11.740 | 14.69 | 76.31  | 426.0  |
| 915664   | В | 14.810 | 14.70 | 94.66  | 680.7  |
| 915691   | М | 13.400 | 20.52 | 88.64  | 556.7  |
| 915940   | В | 14.580 | 13.66 | 94.29  | 658.8  |
| 91594602 | М | 15.050 | 19.07 | 97.26  | 701.9  |
| 916221   | В | 11.340 | 18.61 | 72.76  | 391.2  |
| 916799   | М | 18.310 | 20.58 | 120.80 | 1052.0 |
| 916838   | М | 19.890 | 20.26 | 130.50 | 1214.0 |
| 917062   | В | 12.880 | 18.22 | 84.45  | 493.1  |
| 917080   | В | 12.750 | 16.70 | 82.51  | 493.8  |
| 917092   | В | 9.295  | 13.90 | 59.96  | 257.8  |
| 91762702 | М | 24.630 | 21.60 | 165.50 | 1841.0 |
| 91789    | В | 11.260 | 19.83 | 71.30  | 388.1  |
| 917896   | В | 13.710 | 18.68 | 88.73  | 571.0  |
| 917897   | В | 9.847  | 15.68 | 63.00  | 293.2  |
| 91805    | В | 8.571  | 13.10 | 54.53  | 221.3  |
| 91813701 | В | 13.460 | 18.75 | 87.44  | 551.1  |
| 91813702 | В | 12.340 | 12.27 | 78.94  | 468.5  |
| 918192   | В | 13.940 | 13.17 | 90.31  | 594.2  |
| 918465   | В | 12.070 | 13.44 | 77.83  | 445.2  |
| 91858    | В | 11.750 | 17.56 | 75.89  | 422.9  |
| 91903901 | В | 11.670 | 20.02 | 75.21  | 416.2  |
| 91903902 | В | 13.680 | 16.33 | 87.76  | 575.5  |
| 91930402 | М | 20.470 | 20.67 | 134.70 | 1299.0 |
| 919537   | В | 10.960 | 17.62 | 70.79  | 365.6  |
| 919555   | М | 20.550 | 20.86 | 137.80 | 1308.0 |
| 91979701 | М | 14.270 | 22.55 | 93.77  | 629.8  |
| 919812   | В | 11.690 | 24.44 | 76.37  | 406.4  |
| 921092   | В | 7.729  | 25.49 | 47.98  | 178.8  |
| 921362   | В | 7.691  | 25.44 | 48.34  | 170.4  |
| 921385   | В | 11.540 | 14.44 | 74.65  | 402.9  |
| 921386   | В | 14.470 | 24.99 | 95.81  | 656.4  |
| 921644   | В | 14.740 | 25.42 | 94.70  | 668.6  |
| 922296   | В | 13.210 | 28.06 | 84.88  | 538.4  |
| 922297   | В | 13.870 | 20.70 | 89.77  | 584.8  |
| 922576   | В | 13.620 | 23.23 | 87.19  | 573.2  |
| 922577   | В | 10.320 | 16.35 | 65.31  | 324.9  |
| 922840   | В | 10.260 | 16.58 | 65.85  | 320.8  |
| 923169   | В | 9.683  | 19.34 | 61.05  | 285.7  |
| 923465   | В | 10.820 | 24.21 | 68.89  | 361.6  |
| 923748   | В | 10.860 | 21.48 | 68.51  | 360.5  |
| 923780   | В | 11.130 | 22.44 | 71.49  | 378.4  |
|          |   |        |       |        |        |

| 924084   | В               | 12.770 | 29.4       | 3 81.35          | 507.9              |
|----------|-----------------|--------|------------|------------------|--------------------|
| 924342   | В               | 9.333  | 21.9       | 4 59.01          | 264.0              |
| 924632   | В               | 12.880 | 28.9       | 2 82.50          | 514.3              |
| 924934   | В               | 10.290 | 27.6       | 1 65.67          | 321.4              |
| 924964   | В               | 10.160 | 19.5       | 9 64.73          | 311.7              |
| 925236   | В               | 9.423  | 27.8       | 8 59.26          | 271.3              |
| 925277   | В               | 14.590 | 22.6       | 8 96.39          | 657.1              |
| 925291   | В               | 11.510 | 23.9       | 3 74.52          | 403.5              |
| 925292   | В               | 14.050 | 27.1       | 5 91.38          | 600.4              |
| 925311   | В               | 11.200 | 29.3       | 7 70.67          | 386.0              |
| 925622   | М               | 15.220 | 30.6       | 2 103.40         | 716.9              |
| 926125   | М               | 20.920 | 25.0       | 9 143.00         | 1347.0             |
| 926424   | М               | 21.560 | 22.3       | 9 142.00         | 1479.0             |
| 926682   | М               | 20.130 | 28.2       | 5 131.20         | 1261.0             |
| 926954   | М               | 16.600 | 28.0       | 8 108.30         | 858.1              |
| 927241   | М               | 20.600 | 29.3       | 3 140.10         | 1265.0             |
| 92751    | В               | 7.760  | 24.5       | 4 47.92          | 181.0              |
|          | smoothness_mean | compac | tness_mean | concavity_mean c | oncave.points_mean |
| 842302   | 0.11840         |        | 0.27760    | 0.3001000        | 0.147100           |
| 842517   | 0.08474         |        | 0.07864    | 0.0869000        | 0.070170           |
| 84300903 | 0.10960         |        | 0.15990    | 0.1974000        | 0.127900           |
| 84348301 | 0.14250         |        | 0.28390    | 0.2414000        | 0.105200           |
| 84358402 | 0.10030         |        | 0.13280    | 0.1980000        | 0.104300           |
| 843786   | 0.12780         |        | 0.17000    | 0.1578000        | 0.080890           |
| 844359   | 0.09463         |        | 0.10900    | 0.1127000        | 0.074000           |
| 84458202 | 0.11890         |        | 0.16450    | 0.0936600        | 0.059850           |
| 844981   | 0.12730         |        | 0.19320    | 0.1859000        | 0.093530           |
| 84501001 | 0.11860         |        | 0.23960    | 0.2273000        | 0.085430           |

0.06669

0.12920

0.24580

0.10020

0.22930

0.15950

0.07200

0.20220

0.10270

0.08129

0.12700

0.06492

0.21350

0.10220

0.14570

0.22760

0.18680

0.10660

0.16970

0.11570

0.18870

0.15160

0.14960

0.0329900

0.0995400

0.2065000

0.0993800

0.2128000

0.1639000

0.0739500

0.1722000

0.1479000

0.0666400

0.0456800

0.0295600

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0.2229000

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0.1490000

0.1683000

0.0987500

0.2319000

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0.033230

0.066060

0.111800

0.053640

0.080250

0.073640

0.052590

0.102800

0.094980

0.047810

0.031100

0.020760

0.097560

0.086320

0.091700

0.140100

0.087830

0.077310

0.087510

0.079530

0.124400

0.051820

0.120300

845636

846226

846381

84667401

84799002

84862001

848406

849014

8510426

8510653

8510824

8511133

851509

852552

852631

852763

852781

852973

853201

853401

853612

85382601

84610002

0.08206

0.09710

0.09740

0.08401

0.11310

0.11390

0.09867

0.11700

0.09831

0.09779

0.10750

0.10240

0.10730

0.09428

0.11210

0.11860

0.10540

0.09440

0.10820

0.09847

0.10640

0.11090

0.11970

| 854002   | 0.09401 | 0.17190 | 0.1657000 | 0.075930 |
|----------|---------|---------|-----------|----------|
| 854039   | 0.10400 | 0.15590 | 0.1354000 | 0.077520 |
| 854253   | 0.09610 | 0.13360 | 0.1348000 | 0.060180 |
| 854268   | 0.09823 | 0.10980 | 0.1319000 | 0.055980 |
| 854941   | 0.08983 | 0.03766 | 0.0256200 | 0.029230 |
| 855133   | 0.09387 | 0.05131 | 0.0239800 | 0.028990 |
| 855138   | 0.10160 | 0.12550 | 0.1063000 | 0.054390 |
| 855167   | 0.08162 | 0.06031 | 0.0311000 | 0.020310 |
| 855563   | 0.12270 | 0.12180 | 0.1044000 | 0.056690 |
| 855625   | 0.09081 | 0.21900 | 0.2107000 | 0.099610 |
| 856106   | 0.10410 | 0.14360 | 0.0984700 | 0.061580 |
| 85638502 | 0.09714 | 0.10470 | 0.0825900 | 0.052520 |
| 857010   | 0.10990 | 0.16860 | 0.1974000 | 0.100900 |
| 85713702 | 0.08600 | 0.05943 | 0.0158800 | 0.005917 |
| 85715    | 0.11580 | 0.12310 | 0.1226000 | 0.073400 |
| 857155   | 0.10310 | 0.09092 | 0.0659200 | 0.027490 |
| 857156   | 0.08752 | 0.07698 | 0.0475100 | 0.033840 |
| 857343   | 0.08637 | 0.04966 | 0.0165700 | 0.011150 |
| 857373   | 0.07685 | 0.06059 | 0.0185700 | 0.017230 |
| 857374   | 0.08261 | 0.04751 | 0.0197200 | 0.013490 |
| 857392   | 0.11480 | 0.14850 | 0.1772000 | 0.106000 |
| 857438   | 0.09056 | 0.07081 | 0.0525300 | 0.033340 |
| 85759902 | 0.09524 | 0.05473 | 0.0303600 | 0.022780 |
| 857637   | 0.10530 | 0.12670 | 0.1323000 | 0.089940 |
| 857793   | 0.11370 | 0.13650 | 0.1293000 | 0.081230 |
| 857810   | 0.08060 | 0.03789 | 0.0006920 | 0.004167 |
| 858477   | 0.09752 | 0.05272 | 0.0206100 | 0.007799 |
| 858970   | 0.11340 | 0.08061 | 0.0108400 | 0.012900 |
| 858981   | 0.12430 | 0.08963 | 0.0300000 | 0.009259 |
| 858986   | 0.10490 | 0.20080 | 0.2135000 | 0.086530 |
| 859196   | 0.07721 | 0.08751 | 0.0598800 | 0.021800 |
| 85922302 | 0.11220 | 0.12620 | 0.1128000 | 0.068730 |
| 859283   | 0.11720 | 0.14790 | 0.1267000 | 0.090290 |
| 859464   | 0.10440 | 0.07773 | 0.0217200 | 0.015040 |
| 859465   | 0.08139 | 0.04701 | 0.0370900 | 0.022300 |
| 859471   | 0.10660 | 0.14130 | 0.3130000 | 0.043750 |
| 859487   | 0.09831 | 0.05234 | 0.0365300 | 0.028640 |
| 859575   | 0.09009 | 0.10290 | 0.1080000 | 0.079510 |
| 859711   | 0.09783 | 0.15310 | 0.0860600 | 0.028720 |
| 859717   | 0.10710 | 0.18300 | 0.1692000 | 0.079440 |
| 859983   | 0.10070 | 0.12800 | 0.0778900 | 0.050690 |
| 8610175  | 0.09172 | 0.06829 | 0.0337200 | 0.022720 |
| 8610404  | 0.09168 | 0.08424 | 0.0976900 | 0.066380 |
| 8610629  | 0.12910 | 0.10470 | 0.0687700 | 0.065560 |
| 8610637  | 0.10650 | 0.21460 | 0.1684000 | 0.108000 |
| 8610862  | 0.12860 | 0.34540 | 0.3754000 | 0.160400 |
| 8610908  | 0.09934 | 0.09546 | 0.0388900 | 0.023150 |
| 861103   | 0.11020 | 0.09362 | 0.0459100 | 0.022330 |
| 8611161  | 0.10780 | 0.15350 | 0.1169000 | 0.069870 |
| 8611555  | 0.10630 | 0.26650 | 0.3339000 | 0.184500 |
| 8611792  | 0.12150 | 0.17910 | 0.1937000 | 0.146900 |
|          |         |         |           |          |

| 8612080  | 0.09723 | 0.07165 | 0.0415100 | 0.018630 |
|----------|---------|---------|-----------|----------|
| 8612399  | 0.09874 | 0.10530 | 0.1335000 | 0.087950 |
| 86135501 | 0.09444 | 0.09947 | 0.1204000 | 0.049380 |
| 86135502 | 0.09029 | 0.12060 | 0.1468000 | 0.082710 |
| 861597   | 0.08772 | 0.09445 | 0.0601500 | 0.037450 |
| 861598   | 0.11320 | 0.13390 | 0.0996600 | 0.070640 |
| 861648   | 0.08974 | 0.08606 | 0.0310200 | 0.029570 |
| 861799   | 0.09200 | 0.10360 | 0.1122000 | 0.074830 |
| 861853   | 0.07355 | 0.05055 | 0.0326100 | 0.026480 |
| 862009   | 0.10220 | 0.08165 | 0.0397400 | 0.027800 |
| 862028   | 0.10390 | 0.15530 | 0.1700000 | 0.088150 |
| 86208    | 0.09078 | 0.13130 | 0.1465000 | 0.086830 |
| 86211    | 0.10450 | 0.07057 | 0.0249000 | 0.029410 |
| 862261   | 0.10240 | 0.05301 | 0.0068290 | 0.007937 |
| 862485   | 0.08983 | 0.07525 | 0.0419600 | 0.033500 |
| 862548   | 0.09752 | 0.11410 | 0.0938800 | 0.058390 |
| 862717   | 0.09488 | 0.08511 | 0.0862500 | 0.044890 |
| 862722   | 0.11700 | 0.07568 | 0.0000000 | 0.000000 |
| 862965   | 0.08013 | 0.04038 | 0.0238300 | 0.017700 |
| 862980   | 0.10050 | 0.09697 | 0.0615400 | 0.030290 |
| 862989   | 0.09989 | 0.08578 | 0.0299500 | 0.012010 |
| 863030   | 0.13980 | 0.17650 | 0.2071000 | 0.096010 |
| 863031   | 0.11420 | 0.10170 | 0.0707000 | 0.034850 |
| 863270   | 0.08477 | 0.06815 | 0.0264300 | 0.019210 |
| 86355    | 0.13260 | 0.27680 | 0.4264000 | 0.182300 |
| 864018   | 0.08759 | 0.06575 | 0.0513300 | 0.018990 |
| 864033   | 0.10370 | 0.08404 | 0.0433400 | 0.017780 |
| 86408    | 0.09933 | 0.12090 | 0.1065000 | 0.060210 |
| 86409    | 0.07837 | 0.22330 | 0.3003000 | 0.077980 |
| 864292   | 0.11220 | 0.13030 | 0.0647600 | 0.030680 |
| 864496   | 0.11500 | 0.08201 | 0.0413200 | 0.019240 |
| 864685   | 0.09768 | 0.07849 | 0.0332800 | 0.020080 |
| 864726   | 0.09462 | 0.12430 | 0.0926300 | 0.023080 |
| 864729   | 0.11620 | 0.16490 | 0.1690000 | 0.089230 |
| 864877   | 0.11550 | 0.17520 | 0.2133000 | 0.094790 |
| 865128   | 0.08402 | 0.06722 | 0.0729300 | 0.055960 |
| 865137   | 0.09373 | 0.06685 | 0.0351200 | 0.026230 |
| 86517    | 0.10540 | 0.11000 | 0.1457000 | 0.086650 |
| 865423   | 0.14470 | 0.28670 | 0.4268000 | 0.201200 |
| 865432   | 0.11010 | 0.10990 | 0.0884200 | 0.057780 |
| 865468   | 0.07115 | 0.07325 | 0.0809200 | 0.028000 |
| 86561    | 0.08785 | 0.06136 | 0.0142000 | 0.011410 |
| 866083   | 0.09258 | 0.07862 | 0.0528500 | 0.030850 |
| 866203   | 0.08217 | 0.08028 | 0.0927100 | 0.056270 |
| 866458   | 0.11500 | 0.18070 | 0.1138000 | 0.085340 |
| 866674   | 0.10150 | 0.15890 | 0.2545000 | 0.114900 |
| 866714   | 0.10660 | 0.09509 | 0.0285500 | 0.028820 |
| 8670     | 0.10920 | 0.12230 | 0.1466000 | 0.080870 |
| 86730502 | 0.10080 | 0.12840 | 0.1043000 | 0.056130 |
| 867387   | 0.09462 | 0.09462 | 0.0713500 | 0.059330 |
| 867739   | 0.09430 | 0.09709 | 0.1153000 | 0.068470 |
|          |         |         |           |          |

| 868202    | 0.09055 | 0.05761 | 0.0471100 | 0.027040 |
|-----------|---------|---------|-----------|----------|
| 868223    | 0.10510 | 0.06095 | 0.0359200 | 0.026000 |
| 868682    | 0.09639 | 0.06889 | 0.0350300 | 0.028750 |
| 868826    | 0.11670 | 0.13050 | 0.1539000 | 0.086240 |
| 868871    | 0.11640 | 0.11360 | 0.0463500 | 0.047960 |
| 868999    | 0.09250 | 0.04102 | 0.0000000 | 0.000000 |
| 869104    | 0.09721 | 0.11370 | 0.0944700 | 0.059430 |
| 869218    | 0.10920 | 0.09486 | 0.0203100 | 0.018610 |
| 869224    | 0.08677 | 0.09509 | 0.0489400 | 0.030880 |
| 869254    | 0.07793 | 0.05139 | 0.0225100 | 0.007875 |
| 869476    | 0.11520 | 0.12960 | 0.0371000 | 0.030030 |
| 869691    | 0.10910 | 0.17000 | 0.1659000 | 0.074150 |
| 86973701  | 0.08138 | 0.11670 | 0.0905000 | 0.035620 |
| 86973702  | 0.09970 | 0.10210 | 0.0848700 | 0.055320 |
| 869931    | 0.07944 | 0.06376 | 0.0288100 | 0.013290 |
| 871001501 | 0.11350 | 0.07589 | 0.0313600 | 0.026450 |
| 871001502 | 0.09405 | 0.13050 | 0.1321000 | 0.021680 |
| 8710441   | 0.10720 | 0.15990 | 0.4108000 | 0.078570 |
| 87106     | 0.09754 | 0.05113 | 0.0198200 | 0.017860 |
| 8711002   | 0.09384 | 0.08498 | 0.0929300 | 0.034830 |
| 8711003   | 0.08654 | 0.06679 | 0.0388500 | 0.023310 |
| 8711202   | 0.11150 | 0.16650 | 0.1855000 | 0.105400 |
| 8711216   | 0.07445 | 0.07223 | 0.0515000 | 0.027710 |
| 871122    | 0.09311 | 0.05241 | 0.0197200 | 0.019630 |
| 871149    | 0.07515 | 0.03718 | 0.0030900 | 0.006588 |
| 8711561   | 0.10890 | 0.11410 | 0.0684300 | 0.037380 |
| 8711803   | 0.08694 | 0.11850 | 0.1193000 | 0.096670 |
| 871201    | 0.11200 | 0.16660 | 0.2508000 | 0.128600 |
| 8712064   | 0.10120 | 0.10150 | 0.0537000 | 0.028220 |
| 8712289   | 0.08439 | 0.11450 | 0.1324000 | 0.097020 |
| 8712291   | 0.08421 | 0.05352 | 0.0194700 | 0.019390 |
| 87127     | 0.09594 | 0.05736 | 0.0253100 | 0.016980 |
| 8712729   | 0.08865 | 0.09182 | 0.0842200 | 0.065760 |
| 8712766   | 0.10490 | 0.16030 | 0.2159000 | 0.104300 |
| 8712853   | 0.09855 | 0.07885 | 0.0260200 | 0.037810 |
| 87139402  | 0.10280 | 0.06981 | 0.0398700 | 0.037000 |
| 87163     | 0.09048 | 0.06288 | 0.0585800 | 0.034380 |
| 87164     | 0.12570 | 0.15550 | 0.2032000 | 0.109700 |
| 871641    | 0.10060 | 0.05743 | 0.0236300 | 0.025830 |
| 871642    | 0.08792 | 0.04302 | 0.0000000 | 0.000000 |
| 872113    | 0.09138 | 0.04276 | 0.0000000 | 0.000000 |
| 872608    | 0.09699 | 0.12940 | 0.1307000 | 0.037160 |
| 87281702  | 0.09831 | 0.15560 | 0.1793000 | 0.088660 |
| 873357    | 0.06251 | 0.01938 | 0.0015950 | 0.001852 |
| 873586    | 0.08739 | 0.03774 | 0.0091930 | 0.013300 |
| 873592    | 0.10940 | 0.19140 | 0.2871000 | 0.187800 |
| 873593    | 0.11410 | 0.28320 | 0.2487000 | 0.149600 |
| 873701    | 0.09597 | 0.08799 | 0.0659300 | 0.051890 |
| 873843    | 0.09059 | 0.08155 | 0.0618100 | 0.023610 |
| 873885    | 0.09057 | 0.10520 | 0.0537500 | 0.032630 |
| 874158    | 0.09267 | 0.04695 | 0.0015970 | 0.002404 |
|           |         |         |           |          |

| 874217    | 0.08588 | 0.08468 | 0.0816900 | 0.058140 |
|-----------|---------|---------|-----------|----------|
| 874373    | 0.09774 | 0.06141 | 0.0380900 | 0.032390 |
| 874662    | 0.10070 | 0.05562 | 0.0235300 | 0.015530 |
| 874839    | 0.08080 | 0.07253 | 0.0384400 | 0.016540 |
| 874858    | 0.10750 | 0.24130 | 0.1981000 | 0.066180 |
| 875093    | 0.08749 | 0.06601 | 0.0311200 | 0.028640 |
| 875099    | 0.06950 | 0.02344 | 0.0000000 | 0.000000 |
| 875263    | 0.10340 | 0.13530 | 0.1085000 | 0.045620 |
| 87556202  | 0.10440 | 0.19800 | 0.1697000 | 0.088780 |
| 875878    | 0.07941 | 0.05366 | 0.0387300 | 0.023770 |
| 875938    | 0.12000 | 0.12670 | 0.1385000 | 0.065260 |
| 877159    | 0.07371 | 0.08642 | 0.1103000 | 0.057780 |
| 877486    | 0.08523 | 0.14280 | 0.1114000 | 0.067720 |
| 877500    | 0.09872 | 0.12060 | 0.1180000 | 0.059800 |
| 877501    | 0.09586 | 0.08087 | 0.0418700 | 0.041070 |
| 877989    | 0.08968 | 0.11980 | 0.1036000 | 0.074880 |
| 878796    | 0.11410 | 0.20840 | 0.3523000 | 0.162000 |
| 87880     | 0.13230 | 0.17680 | 0.1558000 | 0.091760 |
| 87930     | 0.09965 | 0.10580 | 0.0800500 | 0.038210 |
| 879523    | 0.08876 | 0.09588 | 0.0755000 | 0.040790 |
| 879804    | 0.10890 | 0.07232 | 0.0175600 | 0.019520 |
| 879830    | 0.08772 | 0.07304 | 0.0695000 | 0.053900 |
| 8810158   | 0.10020 | 0.14830 | 0.0870500 | 0.051020 |
| 8810436   | 0.08182 | 0.06230 | 0.0589200 | 0.031570 |
| 881046502 | 0.09090 | 0.13480 | 0.1640000 | 0.095610 |
| 8810528   | 0.08871 | 0.06900 | 0.0266900 | 0.013930 |
| 8810703   | 0.11420 | 0.15160 | 0.3201000 | 0.159500 |
| 881094802 | 0.10060 | 0.11460 | 0.1682000 | 0.065970 |
| 8810955   | 0.09463 | 0.13060 | 0.1115000 | 0.064620 |
| 8810987   | 0.10260 | 0.15170 | 0.0990100 | 0.056020 |
| 8811523   | 0.09363 | 0.11540 | 0.0663600 | 0.031420 |
| 8811779   | 0.08054 | 0.05907 | 0.0577400 | 0.010710 |
| 8811842   | 0.09383 | 0.13060 | 0.1272000 | 0.086910 |
| 88119002  | 0.08420 | 0.11300 | 0.1145000 | 0.066370 |
| 8812816   | 0.09646 | 0.08711 | 0.0388800 | 0.025630 |
| 8812818   | 0.10510 | 0.11920 | 0.0786000 | 0.044510 |
| 8812844   | 0.10610 | 0.08502 | 0.0176800 | 0.019150 |
| 8812877   | 0.10250 | 0.12040 | 0.1147000 | 0.064620 |
| 8813129   | 0.08445 | 0.04994 | 0.0355400 | 0.024560 |
| 88143502  | 0.09906 | 0.07624 | 0.0572400 | 0.046030 |
| 88147101  | 0.10530 | 0.07722 | 0.0066430 | 0.012160 |
| 88147102  | 0.08371 | 0.10960 | 0.0650500 | 0.037800 |
| 88147202  | 0.07903 | 0.07529 | 0.0543800 | 0.020360 |
| 881861    | 0.10880 | 0.17990 | 0.1695000 | 0.068610 |
| 881972    | 0.11410 | 0.15720 | 0.1910000 | 0.109000 |
| 88199202  | 0.06883 | 0.03813 | 0.0163300 | 0.003125 |
| 88203002  | 0.07780 | 0.03574 | 0.0049670 | 0.006434 |
| 88206102  | 0.09159 | 0.10740 | 0.1554000 | 0.083400 |
| 882488    | 0.08464 | 0.04087 | 0.0165200 | 0.016670 |
| 88249602  | 0.09070 | 0.06945 | 0.0146200 | 0.018960 |
| 88299702  | 0.09509 | 0.16820 | 0.1950000 | 0.123700 |
|           |         |         |           |          |

| 883263   | 0.08355 | 0.08348 | 0.0904200 | 0.060220 |
|----------|---------|---------|-----------|----------|
| 883270   | 0.08223 | 0.10390 | 0.1103000 | 0.044080 |
| 88330202 | 0.09812 | 0.12980 | 0.1417000 | 0.088110 |
| 88350402 | 0.09423 | 0.06630 | 0.0470500 | 0.037310 |
| 883539   | 0.07926 | 0.03393 | 0.0105300 | 0.011080 |
| 883852   | 0.09592 | 0.13250 | 0.1548000 | 0.028540 |
| 88411702 | 0.08043 | 0.06807 | 0.0469700 | 0.023440 |
| 884180   | 0.10270 | 0.15580 | 0.2049000 | 0.088860 |
| 884437   | 0.10700 | 0.05971 | 0.0483100 | 0.030700 |
| 884448   | 0.07215 | 0.04524 | 0.0433600 | 0.011050 |
| 884626   | 0.08760 | 0.13460 | 0.1374000 | 0.039800 |
| 88466802 | 0.09657 | 0.07234 | 0.0237900 | 0.016150 |
| 884689   | 0.10130 | 0.07808 | 0.0432800 | 0.029290 |
| 884948   | 0.10070 | 0.16060 | 0.2712000 | 0.131000 |
| 88518501 | 0.09345 | 0.05991 | 0.0263800 | 0.020690 |
| 885429   | 0.10620 | 0.18490 | 0.2417000 | 0.097400 |
| 8860702  | 0.10080 | 0.10410 | 0.1266000 | 0.083530 |
| 886226   | 0.10350 | 0.11880 | 0.1379000 | 0.085910 |
| 886452   | 0.10960 | 0.12790 | 0.0978900 | 0.052460 |
| 88649001 | 0.09260 | 0.20630 | 0.1784000 | 0.114400 |
| 886776   | 0.13350 | 0.22840 | 0.2448000 | 0.124200 |
| 887181   | 0.11090 | 0.31140 | 0.3176000 | 0.137700 |
| 88725602 | 0.10630 | 0.16390 | 0.1751000 | 0.083990 |
| 887549   | 0.10000 | 0.10880 | 0.1519000 | 0.093330 |
| 888264   | 0.08662 | 0.06290 | 0.0289100 | 0.028370 |
| 888570   | 0.08999 | 0.12730 | 0.0969700 | 0.075070 |
| 889403   | 0.07840 | 0.05616 | 0.0420900 | 0.028470 |
| 889719   | 0.09726 | 0.08995 | 0.0906100 | 0.065270 |
| 88995002 | 0.09469 | 0.11430 | 0.1367000 | 0.086460 |
| 8910251  | 0.09688 | 0.11470 | 0.0638700 | 0.026420 |
| 8910499  | 0.07956 | 0.08259 | 0.0407200 | 0.021420 |
| 8910506  | 0.09425 | 0.06219 | 0.0390000 | 0.016150 |
| 8910720  | 0.10820 | 0.12890 | 0.0844800 | 0.028670 |
| 8910721  | 0.06429 | 0.02675 | 0.0072500 | 0.006250 |
| 8910748  | 0.09834 | 0.07608 | 0.0326500 | 0.027550 |
| 8910988  | 0.09401 | 0.19610 | 0.2195000 | 0.108800 |
| 8910996  | 0.09037 | 0.04689 | 0.0110300 | 0.014070 |
| 8911163  | 0.08855 | 0.07027 | 0.0569900 | 0.047440 |
| 8911164  | 0.12250 | 0.07210 | 0.0592900 | 0.074040 |
| 8911230  | 0.09379 | 0.03872 | 0.0014870 | 0.003333 |
| 8911670  | 0.08923 | 0.05884 | 0.0802000 | 0.058430 |
| 8911800  | 0.07948 | 0.04052 | 0.0199700 | 0.012380 |
| 8911834  | 0.09516 | 0.07688 | 0.0447900 | 0.037110 |
| 8912049  | 0.10200 | 0.14530 | 0.1921000 | 0.096640 |
| 8912055  | 0.07813 | 0.04340 | 0.0224500 | 0.027630 |
| 89122    | 0.10370 | 0.14420 | 0.1626000 | 0.094640 |
| 8912280  | 0.10660 | 0.18020 | 0.1948000 | 0.090520 |
| 8912284  | 0.07818 | 0.09580 | 0.1115000 | 0.033900 |
| 8912521  | 0.08393 | 0.04216 | 0.0018600 | 0.002924 |
| 8912909  | 0.08605 | 0.10110 | 0.0657400 | 0.037910 |
| 8913     | 0.06955 | 0.03729 | 0.0226000 | 0.011710 |
|          |         |         |           |          |

| 8913049  | 0.08020 | 0.11810 | 0.0927400 | 0.055880 |
|----------|---------|---------|-----------|----------|
| 89143601 | 0.08713 | 0.05008 | 0.0239900 | 0.021730 |
| 89143602 | 0.08757 | 0.16760 | 0.1362000 | 0.066020 |
| 8915     | 0.08992 | 0.09823 | 0.0594000 | 0.048190 |
| 891670   | 0.10050 | 0.07943 | 0.0615500 | 0.033700 |
| 891703   | 0.08372 | 0.05642 | 0.0268800 | 0.022800 |
| 891716   | 0.09667 | 0.08393 | 0.0128800 | 0.019240 |
| 891923   | 0.09198 | 0.06221 | 0.0106300 | 0.019170 |
| 891936   | 0.08518 | 0.04721 | 0.0123600 | 0.013690 |
| 892189   | 0.09968 | 0.05914 | 0.0268500 | 0.035150 |
| 892214   | 0.06576 | 0.05220 | 0.0247500 | 0.013740 |
| 892399   | 0.10150 | 0.06797 | 0.0249500 | 0.018750 |
| 892438   | 0.11500 | 0.16420 | 0.2197000 | 0.106200 |
| 892604   | 0.08451 | 0.10140 | 0.0683000 | 0.030990 |
| 89263202 | 0.10800 | 0.18380 | 0.2283000 | 0.128000 |
| 892657   | 0.10680 | 0.06678 | 0.0229700 | 0.017800 |
| 89296    | 0.08853 | 0.07694 | 0.0334400 | 0.015020 |
| 893061   | 0.07474 | 0.05688 | 0.0197400 | 0.013130 |
| 89344    | 0.08511 | 0.05251 | 0.0014610 | 0.003261 |
| 89346    | 0.07005 | 0.03116 | 0.0036810 | 0.003472 |
| 893526   | 0.07376 | 0.03614 | 0.0027580 | 0.004419 |
| 893548   | 0.08352 | 0.03735 | 0.0045590 | 0.008829 |
| 893783   | 0.08814 | 0.05253 | 0.0158300 | 0.011480 |
| 89382601 | 0.07618 | 0.03515 | 0.0144700 | 0.018770 |
| 89382602 | 0.08794 | 0.07948 | 0.0405200 | 0.025480 |
| 893988   | 0.08597 | 0.05969 | 0.0136700 | 0.008907 |
| 894047   | 0.10740 | 0.05847 | 0.0000000 | 0.000000 |
| 894089   | 0.08511 | 0.03834 | 0.0044730 | 0.006423 |
| 894090   | 0.07734 | 0.03212 | 0.0112300 | 0.005051 |
| 894326   | 0.09746 | 0.11170 | 0.1130000 | 0.079500 |
| 894329   | 0.09968 | 0.19720 | 0.1975000 | 0.049080 |
| 894335   | 0.07557 | 0.03454 | 0.0134200 | 0.016990 |
| 894604   | 0.10610 | 0.11110 | 0.0672600 | 0.039650 |
| 894618   | 0.08020 | 0.08564 | 0.1155000 | 0.077260 |
| 894855   | 0.11340 | 0.08834 | 0.0380000 | 0.034000 |
| 895100   | 0.11700 | 0.18750 | 0.2565000 | 0.150400 |
| 89511501 | 0.08673 | 0.06545 | 0.0199400 | 0.016920 |
| 89511502 | 0.10280 | 0.07664 | 0.0319300 | 0.021070 |
| 89524    | 0.09309 | 0.05306 | 0.0176500 | 0.027330 |
| 895299   | 0.07683 | 0.03892 | 0.0015460 | 0.005592 |
| 8953902  | 0.11690 | 0.13190 | 0.1478000 | 0.084880 |
| 895633   | 0.11650 | 0.12830 | 0.1799000 | 0.079810 |
| 896839   | 0.09491 | 0.13710 | 0.1204000 | 0.070410 |
| 896864   | 0.09579 | 0.11250 | 0.0710700 | 0.029500 |
| 897132   | 0.10540 | 0.06779 | 0.0050060 | 0.007583 |
| 897137   | 0.08306 | 0.04458 | 0.0009737 | 0.002941 |
| 897374   | 0.08313 | 0.04202 | 0.0077560 | 0.008535 |
| 89742801 | 0.11190 | 0.10560 | 0.1508000 | 0.099340 |
| 897604   | 0.09462 | 0.09965 | 0.0373800 | 0.020980 |
| 897630   | 0.09116 | 0.14020 | 0.1060000 | 0.060900 |
| 897880   | 0.10070 | 0.07326 | 0.0251100 | 0.017750 |
|          |         |         |           |          |

| 89812     | 0.10690 | 0.12830 | 0.2308000 | 0.141000 |
|-----------|---------|---------|-----------|----------|
| 89813     | 0.09751 | 0.11390 | 0.0800700 | 0.042230 |
| 898143    | 0.08481 | 0.09228 | 0.0842200 | 0.022920 |
| 89827     | 0.10330 | 0.09097 | 0.0539700 | 0.033410 |
| 898431    | 0.09797 | 0.13390 | 0.1863000 | 0.110300 |
| 89864002  | 0.11500 | 0.07281 | 0.0400600 | 0.032500 |
| 898677    | 0.09882 | 0.09159 | 0.0358100 | 0.020370 |
| 898678    | 0.08386 | 0.05794 | 0.0075100 | 0.008488 |
| 89869     | 0.08875 | 0.07780 | 0.0460800 | 0.035280 |
| 898690    | 0.09076 | 0.05886 | 0.0258700 | 0.023220 |
| 899147    | 0.11580 | 0.12060 | 0.0117100 | 0.017870 |
| 899187    | 0.07561 | 0.03630 | 0.0083060 | 0.011620 |
| 899667    | 0.12430 | 0.23640 | 0.2914000 | 0.124200 |
| 899987    | 0.11490 | 0.23630 | 0.3368000 | 0.191300 |
| 9010018   | 0.10240 | 0.09769 | 0.1235000 | 0.065530 |
| 901011    | 0.07274 | 0.06064 | 0.0450500 | 0.014710 |
| 9010258   | 0.08760 | 0.10380 | 0.1030000 | 0.043910 |
| 9010259   | 0.10820 | 0.13040 | 0.0960300 | 0.056030 |
| 901028    | 0.08743 | 0.05492 | 0.0150200 | 0.020880 |
| 9010333   | 0.08293 | 0.07698 | 0.0472100 | 0.023810 |
| 901034301 | 0.10090 | 0.05956 | 0.0271000 | 0.014060 |
| 901034302 | 0.07436 | 0.02650 | 0.0011940 | 0.005449 |
| 901041    | 0.08582 | 0.06373 | 0.0334400 | 0.024240 |
| 9010598   | 0.09676 | 0.07952 | 0.0268800 | 0.017810 |
| 9010872   | 0.09686 | 0.08468 | 0.0586200 | 0.048350 |
| 9010877   | 0.07937 | 0.05696 | 0.0218100 | 0.014730 |
| 901088    | 0.09150 | 0.11310 | 0.0979900 | 0.077850 |
| 9011494   | 0.09905 | 0.16690 | 0.1641000 | 0.126500 |
| 9011495   | 0.09231 | 0.07175 | 0.0439200 | 0.020270 |
| 9011971   | 0.09384 | 0.08562 | 0.1168000 | 0.084650 |
| 9012000   | 0.10630 | 0.19540 | 0.2448000 | 0.150100 |
| 9012315   | 0.09742 | 0.14970 | 0.1811000 | 0.087730 |
| 9012568   | 0.07963 | 0.06934 | 0.0339300 | 0.026570 |
| 9012795   | 0.10010 | 0.15150 | 0.1932000 | 0.125500 |
| 901288    | 0.09446 | 0.10760 | 0.1527000 | 0.089410 |
| 9013005   | 0.08302 | 0.06374 | 0.0255600 | 0.020310 |
| 901303    | 0.09880 | 0.14380 | 0.0665100 | 0.053970 |
| 901315    | 0.09073 | 0.16600 | 0.2280000 | 0.059410 |
| 9013579   | 0.07517 | 0.04726 | 0.0127100 | 0.011170 |
| 9013594   | 0.08268 | 0.07548 | 0.0424900 | 0.024710 |
| 9013838   | 0.12160 | 0.21540 | 0.1689000 | 0.063670 |
| 901549    | 0.12370 | 0.11110 | 0.0790000 | 0.055500 |
| 901836    | 0.07987 | 0.07079 | 0.0354600 | 0.020740 |
| 90250     | 0.06935 | 0.10730 | 0.0794300 | 0.029780 |
| 90251     | 0.10420 | 0.12970 | 0.0589200 | 0.028800 |
| 902727    | 0.08363 | 0.08575 | 0.0507700 | 0.028640 |
| 90291     | 0.08682 | 0.06636 | 0.0839000 | 0.052710 |
| 902975    | 0.08108 | 0.07823 | 0.0683900 | 0.025340 |
| 902976    | 0.07026 | 0.04831 | 0.0204500 | 0.008507 |
| 903011    | 0.08365 | 0.11140 | 0.1007000 | 0.027570 |
| 90312     | 0.10100 | 0.13180 | 0.1856000 | 0.102100 |
|           |         |         |           |          |

| 90317302 | 0.09996 | 0.07542 | 0.0192300 | 0.019680 |
|----------|---------|---------|-----------|----------|
| 903483   | 0.10390 | 0.07428 | 0.0000000 | 0.000000 |
| 903507   | 0.11600 | 0.15620 | 0.1891000 | 0.091130 |
| 903516   | 0.11670 | 0.20870 | 0.2810000 | 0.156200 |
| 903554   | 0.10290 | 0.09758 | 0.0478300 | 0.033260 |
| 903811   | 0.08045 | 0.05361 | 0.0268100 | 0.032510 |
| 90401601 | 0.10590 | 0.11470 | 0.0858000 | 0.053810 |
| 90401602 | 0.08044 | 0.08895 | 0.0739000 | 0.040830 |
| 904302   | 0.07741 | 0.04768 | 0.0271200 | 0.007246 |
| 904357   | 0.09087 | 0.06232 | 0.0285300 | 0.016380 |
| 90439701 | 0.12300 | 0.25760 | 0.3189000 | 0.119800 |
| 904647   | 0.08872 | 0.05242 | 0.0260600 | 0.017960 |
| 904689   | 0.07351 | 0.07899 | 0.0405700 | 0.018830 |
| 9047     | 0.09879 | 0.08836 | 0.0329600 | 0.023900 |
| 904969   | 0.08682 | 0.04571 | 0.0210900 | 0.020540 |
| 904971   | 0.10040 | 0.07460 | 0.0494400 | 0.029320 |
| 905189   | 0.09495 | 0.08501 | 0.0550000 | 0.045280 |
| 905190   | 0.07551 | 0.08316 | 0.0612600 | 0.018670 |
| 90524101 | 0.10360 | 0.13040 | 0.1201000 | 0.088240 |
| 905501   | 0.08685 | 0.06526 | 0.0321100 | 0.026530 |
| 905502   | 0.08858 | 0.05313 | 0.0278300 | 0.021000 |
| 905520   | 0.10770 | 0.07804 | 0.0304600 | 0.024800 |
| 905539   | 0.07969 | 0.06053 | 0.0373500 | 0.005128 |
| 905557   | 0.08515 | 0.10250 | 0.0685900 | 0.038760 |
| 905680   | 0.08320 | 0.04605 | 0.0468600 | 0.027390 |
| 905686   | 0.09773 | 0.08120 | 0.0255500 | 0.021790 |
| 905978   | 0.10440 | 0.06159 | 0.0204700 | 0.012570 |
| 90602302 | 0.11200 | 0.15710 | 0.1522000 | 0.084810 |
| 906024   | 0.08785 | 0.05794 | 0.0236000 | 0.024020 |
| 906290   | 0.10180 | 0.05978 | 0.0089550 | 0.010760 |
| 906539   | 0.08546 | 0.07722 | 0.0548500 | 0.014280 |
| 906564   | 0.10310 | 0.18360 | 0.1450000 | 0.063000 |
| 906616   | 0.10880 | 0.11680 | 0.0709700 | 0.044970 |
| 906878   | 0.09057 | 0.11470 | 0.0965700 | 0.048120 |
| 907145   | 0.10750 | 0.08333 | 0.0089340 | 0.019670 |
| 907367   | 0.08117 | 0.03912 | 0.0024700 | 0.005159 |
| 907409   | 0.09816 | 0.10130 | 0.0633500 | 0.022180 |
| 90745    | 0.08801 | 0.05743 | 0.0361400 | 0.014040 |
| 90769601 | 0.08151 | 0.03834 | 0.0136900 | 0.013700 |
| 90769602 | 0.07896 | 0.04522 | 0.0140200 | 0.018350 |
| 907914   | 0.09947 | 0.22250 | 0.2733000 | 0.097110 |
| 907915   | 0.10540 | 0.13160 | 0.0774100 | 0.027990 |
| 908194   | 0.11330 | 0.14890 | 0.2133000 | 0.125900 |
| 908445   | 0.10180 | 0.13890 | 0.1594000 | 0.087440 |
| 908469   | 0.08924 | 0.07074 | 0.0334600 | 0.028770 |
| 908489   | 0.10600 | 0.11330 | 0.1126000 | 0.064630 |
| 908916   | 0.09136 | 0.07883 | 0.0179700 | 0.020900 |
| 909220   | 0.08458 | 0.05895 | 0.0353400 | 0.029440 |
| 909231   | 0.08684 | 0.06330 | 0.0134200 | 0.022930 |
| 909410   | 0.07966 | 0.05581 | 0.0208700 | 0.026520 |
| 909411   | 0.08915 | 0.11130 | 0.0945700 | 0.036130 |
|          |         |         |           |          |

| 909445    | 0.08331 | 0.11090 | 0.1204000 | 0.057360 |
|-----------|---------|---------|-----------|----------|
| 90944601  | 0.08817 | 0.06718 | 0.0105500 | 0.009937 |
| 909777    | 0.08142 | 0.04462 | 0.0199300 | 0.011110 |
| 9110127   | 0.08947 | 0.12320 | 0.1090000 | 0.062540 |
| 9110720   | 0.10300 | 0.09218 | 0.0544100 | 0.042740 |
| 9110732   | 0.09997 | 0.13140 | 0.1698000 | 0.082930 |
| 9110944   | 0.09179 | 0.08890 | 0.0406900 | 0.022600 |
| 911150    | 0.08388 | 0.07800 | 0.0881700 | 0.029250 |
| 911157302 | 0.09684 | 0.11750 | 0.1572000 | 0.115500 |
| 9111596   | 0.06613 | 0.10640 | 0.0877700 | 0.023860 |
| 9111805   | 0.10320 | 0.09871 | 0.1655000 | 0.090630 |
| 9111843   | 0.08437 | 0.06450 | 0.0405500 | 0.019450 |
| 911201    | 0.10990 | 0.09242 | 0.0689500 | 0.064950 |
| 911202    | 0.08583 | 0.05430 | 0.0296600 | 0.022720 |
| 9112085   | 0.09245 | 0.07426 | 0.0281900 | 0.032640 |
| 9112366   | 0.09357 | 0.08574 | 0.0716000 | 0.020170 |
| 9112367   | 0.08791 | 0.05205 | 0.0277200 | 0.020680 |
| 9112594   | 0.08369 | 0.05073 | 0.0120600 | 0.017620 |
| 9112712   | 0.07984 | 0.04626 | 0.0154100 | 0.010430 |
| 911296201 | 0.09898 | 0.11100 | 0.1007000 | 0.064310 |
| 911296202 | 0.10840 | 0.19880 | 0.3635000 | 0.168900 |
| 9113156   | 0.06995 | 0.05223 | 0.0347600 | 0.017370 |
| 911320501 | 0.08508 | 0.05855 | 0.0336700 | 0.017770 |
| 911320502 | 0.07466 | 0.05994 | 0.0485900 | 0.028700 |
| 9113239   | 0.08284 | 0.12230 | 0.1010000 | 0.028330 |
| 9113455   | 0.08675 | 0.10890 | 0.1085000 | 0.035100 |
| 9113514   | 0.08311 | 0.05428 | 0.0147900 | 0.005769 |
| 9113538   | 0.09289 | 0.20040 | 0.2136000 | 0.100200 |
| 911366    | 0.11750 | 0.14830 | 0.1020000 | 0.055640 |
| 9113778   | 0.08946 | 0.06258 | 0.0294800 | 0.015140 |
| 9113816   | 0.08752 | 0.06000 | 0.0236700 | 0.023770 |
| 911384    | 0.08098 | 0.08549 | 0.0553900 | 0.032210 |
| 9113846   | 0.07699 | 0.03398 | 0.0000000 | 0.000000 |
| 911391    | 0.10070 | 0.10690 | 0.0511500 | 0.015710 |
| 911408    | 0.09040 | 0.08269 | 0.0583500 | 0.030780 |
| 911654    | 0.08931 | 0.11080 | 0.0506300 | 0.030580 |
| 911673    | 0.06828 | 0.05319 | 0.0222400 | 0.013390 |
| 911685    | 0.10460 | 0.08228 | 0.0530800 | 0.019690 |
| 911916    | 0.10260 | 0.18930 | 0.2236000 | 0.091940 |
| 912193    | 0.09087 | 0.07838 | 0.0291600 | 0.015270 |
| 91227     | 0.07991 | 0.05326 | 0.0299500 | 0.020700 |
| 912519    | 0.10710 | 0.11550 | 0.0578600 | 0.052660 |
| 912558    | 0.09950 | 0.07957 | 0.0454800 | 0.031600 |
| 912600    | 0.10430 | 0.12990 | 0.1191000 | 0.062110 |
| 913063    | 0.09514 | 0.15110 | 0.1544000 | 0.048460 |
| 913102    | 0.08641 | 0.06698 | 0.0519200 | 0.027910 |
| 913505    | 0.10890 | 0.14480 | 0.2256000 | 0.119400 |
| 913512    | 0.11280 | 0.09263 | 0.0427900 | 0.031320 |
| 913535    | 0.07497 | 0.07112 | 0.0364900 | 0.023070 |
| 91376701  | 0.08192 | 0.05200 | 0.0171400 | 0.012610 |
| 91376702  | 0.07838 | 0.06217 | 0.0444500 | 0.041780 |
|           |         |         |           |          |

| 914062   | 0.10010 | 0.12890 | 0.1170000 | 0.077620 |
|----------|---------|---------|-----------|----------|
| 914101   | 0.07372 | 0.04043 | 0.0071730 | 0.011490 |
| 914102   | 0.07335 | 0.05275 | 0.0180000 | 0.012560 |
| 914333   | 0.09587 | 0.08345 | 0.0682400 | 0.049510 |
| 914366   | 0.10760 | 0.13340 | 0.0801700 | 0.050740 |
| 914580   | 0.08928 | 0.07630 | 0.0360900 | 0.023690 |
| 914769   | 0.10120 | 0.13170 | 0.1491000 | 0.091830 |
| 91485    | 0.10850 | 0.16440 | 0.2188000 | 0.112100 |
| 914862   | 0.09883 | 0.13640 | 0.0772100 | 0.061420 |
| 91504    | 0.11620 | 0.16810 | 0.1357000 | 0.067590 |
| 91505    | 0.11580 | 0.10850 | 0.0592800 | 0.032790 |
| 915143   | 0.09342 | 0.12750 | 0.1676000 | 0.100300 |
| 915186   | 0.16340 | 0.22390 | 0.0973000 | 0.052520 |
| 915276   | 0.12550 | 0.22040 | 0.1188000 | 0.070380 |
| 91544001 | 0.10960 | 0.11520 | 0.0817500 | 0.021660 |
| 91544002 | 0.11940 | 0.10710 | 0.0406300 | 0.042680 |
| 915452   | 0.09427 | 0.06712 | 0.0552600 | 0.045630 |
| 915460   | 0.11830 | 0.18700 | 0.2030000 | 0.085200 |
| 91550    | 0.08099 | 0.09661 | 0.0672600 | 0.026390 |
| 915664   | 0.08472 | 0.05016 | 0.0341600 | 0.025410 |
| 915691   | 0.11060 | 0.14690 | 0.1445000 | 0.081720 |
| 915940   | 0.09832 | 0.08918 | 0.0822200 | 0.043490 |
| 91594602 | 0.09215 | 0.08597 | 0.0748600 | 0.043350 |
| 916221   | 0.10490 | 0.08499 | 0.0430200 | 0.025940 |
| 916799   | 0.10680 | 0.12480 | 0.1569000 | 0.094510 |
| 916838   | 0.10370 | 0.13100 | 0.1411000 | 0.094310 |
| 917062   | 0.12180 | 0.16610 | 0.0482500 | 0.053030 |
| 917080   | 0.11250 | 0.11170 | 0.0388000 | 0.029950 |
| 917092   | 0.13710 | 0.12250 | 0.0333200 | 0.024210 |
| 91762702 | 0.10300 | 0.21060 | 0.2310000 | 0.147100 |
| 91789    | 0.08511 | 0.04413 | 0.0050670 | 0.005664 |
| 917896   | 0.09916 | 0.10700 | 0.0538500 | 0.037830 |
| 917897   | 0.09492 | 0.08419 | 0.0233000 | 0.024160 |
| 91805    | 0.10360 | 0.07632 | 0.0256500 | 0.015100 |
| 91813701 | 0.10750 | 0.11380 | 0.0420100 | 0.031520 |
| 91813702 | 0.09003 | 0.06307 | 0.0295800 | 0.026470 |
| 918192   | 0.12480 | 0.09755 | 0.1010000 | 0.066150 |
| 918465   | 0.11000 | 0.09009 | 0.0378100 | 0.027980 |
| 91858    | 0.10730 | 0.09713 | 0.0528200 | 0.044400 |
| 91903901 | 0.10160 | 0.09453 | 0.0420000 | 0.021570 |
| 91903902 | 0.09277 | 0.07255 | 0.0175200 | 0.018800 |
| 91930402 | 0.09156 | 0.13130 | 0.1523000 | 0.101500 |
| 919537   | 0.09687 | 0.09752 | 0.0526300 | 0.027880 |
| 919555   | 0.10460 | 0.17390 | 0.2085000 | 0.132200 |
| 91979701 | 0.10380 | 0.11540 | 0.1463000 | 0.061390 |
| 919812   | 0.12360 | 0.15520 | 0.0451500 | 0.045310 |
| 921092   | 0.08098 | 0.04878 | 0.0000000 | 0.000000 |
| 921362   | 0.08668 | 0.11990 | 0.0925200 | 0.013640 |
| 921385   | 0.09984 | 0.11200 | 0.0673700 | 0.025940 |
| 921386   | 0.08837 | 0.12300 | 0.1009000 | 0.038900 |
| 921644   | 0.08275 | 0.07214 | 0.0410500 | 0.030270 |
|          |         |         |           | -        |

| 922296   | 0.08671               | 0.06877         | 0.0298700   |           | 0.032750 |
|----------|-----------------------|-----------------|-------------|-----------|----------|
| 922297   | 0.09578               | 0.10180         | 0.0368800   |           | 0.023690 |
| 922576   | 0.09246               | 0.06747         | 0.0297400   |           | 0.024430 |
| 922577   | 0.09434               | 0.04994         | 0.0101200   |           | 0.005495 |
| 922840   | 0.08877               | 0.08066         | 0.0435800   |           | 0.024380 |
| 923169   | 0.08491               | 0.05030         | 0.0233700   |           | 0.009615 |
| 923465   | 0.08192               | 0.06602         | 0.0154800   |           | 0.008160 |
| 923748   | 0.07431               | 0.04227         | 0.0000000   |           | 0.000000 |
| 923780   | 0.09566               | 0.08194         | 0.0482400   |           | 0.022570 |
| 924084   | 0.08276               | 0.04234         | 0.0199700   |           | 0.014990 |
| 924342   | 0.09240               | 0.05605         | 0.0399600   |           | 0.012820 |
| 924632   | 0.08123               | 0.05824         | 0.0619500   |           | 0.023430 |
| 924934   | 0.09030               | 0.07658         | 0.0599900   |           | 0.027380 |
| 924964   | 0.10030               | 0.07504         | 0.0050250   |           | 0.011160 |
| 925236   | 0.08123               | 0.04971         | 0.0000000   |           | 0.000000 |
| 925277   | 0.08473               | 0.13300         | 0.1029000   |           | 0.037360 |
| 925291   | 0.09261               | 0.10210         | 0.1112000   |           | 0.041050 |
| 925292   | 0.09929               | 0.11260         | 0.0446200   |           | 0.043040 |
| 925311   | 0.07449               | 0.03558         | 0.0000000   |           | 0.000000 |
| 925622   | 0.10480               | 0.20870         | 0.2550000   |           | 0.094290 |
| 926125   | 0.10990               | 0.22360         | 0.3174000   |           | 0.147400 |
| 926424   | 0.11100               | 0.11590         | 0.2439000   |           | 0.138900 |
| 926682   | 0.09780               | 0.10340         | 0.1440000   |           | 0.097910 |
| 926954   | 0.08455               | 0.10230         | 0.0925100   |           | 0.053020 |
| 927241   | 0.11780               | 0.27700         | 0.3514000   |           | 0.152000 |
| 92751    | 0.05263               | 0.04362         | 0.0000000   |           | 0.000000 |
|          | symmetry_mean fractal | _dimension_mean | radius_se t | exture_se |          |
| 842302   | 0.2419                | 0.07871         | 1.0950      | 0.9053    |          |
| 842517   | 0.1812                | 0.05667         | 0.5435      | 0.7339    |          |
| 84300903 | 0.2069                | 0.05999         | 0.7456      | 0.7869    |          |
| 84348301 | 0.2597                | 0.09744         | 0.4956      | 1.1560    |          |
| 84358402 | 0.1809                | 0.05883         | 0.7572      | 0.7813    |          |
| 843786   | 0.2087                | 0.07613         | 0.3345      | 0.8902    |          |
| 844359   | 0.1794                | 0.05742         | 0.4467      | 0.7732    |          |
| 84458202 | 0.2196                | 0.07451         | 0.5835      | 1.3770    |          |
| 844981   | 0.2350                | 0.07389         | 0.3063      | 1.0020    |          |
| 84501001 | 0.2030                | 0.08243         | 0.2976      | 1.5990    |          |
| 845636   | 0.1528                | 0.05697         | 0.3795      | 1.1870    |          |
| 84610002 | 0.1842                | 0.06082         | 0.5058      | 0.9849    |          |
| 846226   | 0.2397                | 0.07800         | 0.9555      | 3.5680    |          |
| 846381   | 0.1847                | 0.05338         | 0.4033      | 1.0780    |          |
| 84667401 | 0.2069                | 0.07682         | 0.2121      | 1.1690    |          |
| 84799002 | 0.2303                | 0.07077         | 0.3700      | 1.0330    |          |
| 848406   | 0.1586                | 0.05922         | 0.4727      | 1.2400    |          |
| 84862001 | 0.2164                | 0.07356         | 0.5692      | 1.0730    |          |
| 849014   | 0.1582                | 0.05395         | 0.7582      | 1.0170    |          |
| 8510426  | 0.1885                | 0.05766         | 0.2699      | 0.7886    |          |
| 8510653  | 0.1967                | 0.06811         | 0.1852      | 0.7477    |          |
| 8510824  | 0.1815                | 0.06905         | 0.2773      | 0.9768    |          |
| 0511122  | 0 2521                | 0 07022         | 0 4200      | 0 7006    |          |

0.07032

0.05278

0.4388

0.6917

0.7096

1.1270

8511133

851509

0.2521

0.1769

| 852552   | 0.1995 | 0.06330 | 0.8068 | 0.9017 |
|----------|--------|---------|--------|--------|
| 852631   | 0.3040 | 0.07413 | 1.0460 | 0.9760 |
| 852763   | 0.2252 | 0.06924 | 0.2545 | 0.9832 |
| 852781   | 0.1697 | 0.05699 | 0.8529 | 1.8490 |
| 852973   | 0.1926 | 0.06540 | 0.4390 | 1.0120 |
| 853201   | 0.1739 | 0.06149 | 0.6003 | 0.8225 |
| 853401   | 0.2183 | 0.06197 | 0.8307 | 1.4660 |
| 853612   | 0.2301 | 0.07799 | 0.4825 | 1.0300 |
| 85382601 | 0.2248 | 0.06382 | 0.6009 | 1.3980 |
| 854002   | 0.1853 | 0.06261 | 0.5558 | 0.6062 |
| 854039   | 0.1998 | 0.06515 | 0.3340 | 0.6857 |
| 854253   | 0.1896 | 0.05656 | 0.4615 | 0.9197 |
| 854268   | 0.1885 | 0.06125 | 0.2860 | 1.0190 |
| 854941   | 0.1467 | 0.05863 | 0.1839 | 2.3420 |
| 855133   | 0.1565 | 0.05504 | 1.2140 | 2.1880 |
| 855138   | 0.1720 | 0.06419 | 0.2130 | 0.5914 |
| 855167   | 0.1784 | 0.05587 | 0.2385 | 0.8265 |
| 855563   | 0.1895 | 0.06870 | 0.2366 | 1.4280 |
| 855625   | 0.2310 | 0.06343 | 0.9811 | 1.6660 |
| 856106   | 0.1974 | 0.06782 | 0.3704 | 0.8249 |
| 85638502 | 0.1746 | 0.06177 | 0.1938 | 0.6123 |
| 857010   | 0.1907 | 0.06049 | 0.6289 | 0.6633 |
| 85713702 | 0.1769 | 0.06503 | 0.1563 | 0.9567 |
| 85715    | 0.2128 | 0.06777 | 0.2871 | 0.8937 |
| 857155   | 0.1675 | 0.06043 | 0.2636 | 0.7294 |
| 857156   | 0.1809 | 0.05718 | 0.2338 | 1.3530 |
| 857343   | 0.1495 | 0.05888 | 0.4062 | 1.2100 |
| 857373   | 0.1353 | 0.05953 | 0.1872 | 0.9234 |
| 857374   | 0.1868 | 0.06110 | 0.2273 | 0.6329 |
| 857392   | 0.2092 | 0.06310 | 0.8337 | 1.5930 |
| 857438   | 0.1616 | 0.05684 | 0.3105 | 0.8339 |
| 85759902 | 0.1920 | 0.05907 | 0.3249 | 0.9591 |
| 857637   | 0.1917 | 0.05961 | 0.7275 | 1.1930 |
| 857793   | 0.2027 | 0.06758 | 0.4226 | 1.1500 |
| 857810   | 0.1819 | 0.05501 | 0.4040 | 1.2140 |
| 858477   | 0.1683 | 0.07187 | 0.1559 | 0.5796 |
| 858970   | 0.2743 | 0.06960 | 0.5158 | 1.4410 |
| 858981   | 0.1828 | 0.06757 | 0.3582 | 2.0670 |
| 858986   | 0.1949 | 0.07292 | 0.7036 | 1.2680 |
| 859196   | 0.2341 | 0.06963 | 0.4098 | 2.2650 |
| 85922302 | 0.1905 | 0.06590 | 0.4255 | 1.1780 |
| 859283   | 0.1953 | 0.06654 | 0.3577 | 1.2810 |
| 859464   | 0.1717 | 0.06899 | 0.2351 | 2.0110 |
| 859465   | 0.1516 | 0.05667 | 0.2727 | 0.9429 |
| 859471   | 0.2111 | 0.08046 | 0.3274 | 1.1940 |
| 859487   | 0.1590 | 0.05653 | 0.2368 | 0.8732 |
| 859575   | 0.1582 | 0.05461 | 0.7888 | 0.7975 |
| 859711   | 0.1902 | 0.08980 | 0.5262 | 0.8522 |
| 859717   | 0.1927 | 0.06487 | 0.5907 | 1.0410 |
| 859983   | 0.1662 | 0.06566 | 0.2787 | 0.6205 |
| 8610175  | 0.1720 | 0.05914 | 0.2505 | 1.0250 |
|          |        |         |        |        |

| 8610404  | 0.1798 | 0.05391 | 0.7474 | 1.0160 |
|----------|--------|---------|--------|--------|
| 8610629  | 0.2403 | 0.06641 | 0.4101 | 1.0140 |
| 8610637  | 0.2152 | 0.06673 | 0.9806 | 0.5505 |
| 8610862  | 0.2906 | 0.08142 | 0.9317 | 1.8850 |
| 8610908  | 0.1718 | 0.05997 | 0.2655 | 1.0950 |
| 861103   | 0.1842 | 0.07005 | 0.3251 | 2.1740 |
| 8611161  | 0.1942 | 0.06902 | 0.2860 | 1.0160 |
| 8611555  | 0.1829 | 0.06782 | 0.8973 | 1.4740 |
| 8611792  | 0.1634 | 0.07224 | 0.5190 | 2.9100 |
| 8612080  | 0.2079 | 0.05968 | 0.2271 | 1.2550 |
| 8612399  | 0.2132 | 0.06022 | 0.6997 | 1.4750 |
| 86135501 | 0.2075 | 0.05636 | 0.4204 | 2.2200 |
| 86135502 | 0.1953 | 0.05629 | 0.5495 | 0.6636 |
| 861597   | 0.1930 | 0.06404 | 0.2978 | 1.5020 |
| 861598   | 0.2116 | 0.06346 | 0.5115 | 0.7372 |
| 861648   | 0.1685 | 0.05866 | 0.3721 | 1.1110 |
| 861799   | 0.1717 | 0.06097 | 0.3129 | 0.8413 |
| 861853   | 0.1386 | 0.05318 | 0.4057 | 1.1530 |
| 862009   | 0.1638 | 0.05710 | 0.2950 | 1.3730 |
| 862028   | 0.1855 | 0.06284 | 0.4768 | 0.9644 |
| 86208    | 0.2095 | 0.05649 | 0.7576 | 1.5090 |
| 86211    | 0.1900 | 0.06635 | 0.3661 | 1.5110 |
| 862261   | 0.1350 | 0.06890 | 0.3350 | 2.0430 |
| 862485   | 0.1620 | 0.06582 | 0.2315 | 0.5391 |
| 862548   | 0.1879 | 0.06390 | 0.2895 | 1.8510 |
| 862717   | 0.1609 | 0.05871 | 0.4565 | 1.2900 |
| 862722   | 0.1930 | 0.07818 | 0.2241 | 1.5080 |
| 862965   | 0.1739 | 0.05677 | 0.1924 | 1.5710 |
| 862980   | 0.1945 | 0.06322 | 0.1803 | 1.2220 |
| 862989   | 0.2217 | 0.06481 | 0.3550 | 1.5340 |
| 863030   | 0.1925 | 0.07692 | 0.3908 | 0.9238 |
| 863031   | 0.1801 | 0.06520 | 0.3060 | 1.6570 |
| 863270   | 0.1602 | 0.06066 | 0.1199 | 0.8944 |
| 86355    | 0.2556 | 0.07039 | 1.2150 | 1.5450 |
| 864018   | 0.1487 | 0.06529 | 0.2344 | 0.9861 |
| 864033   | 0.1584 | 0.07065 | 0.4030 | 1.4240 |
| 86408    | 0.1735 | 0.07070 | 0.3424 | 1.8030 |
| 86409    | 0.1704 | 0.07769 | 0.3628 | 1.4900 |
| 864292   | 0.1922 | 0.07782 | 0.3336 | 1.8600 |
| 864496   | 0.1649 | 0.07633 | 0.1665 | 0.5864 |
| 864685   | 0.1688 | 0.06194 | 0.3118 | 0.9227 |
| 864726   | 0.1305 | 0.07163 | 0.3132 | 0.9789 |
| 864729   | 0.2157 | 0.06768 | 0.4266 | 0.9489 |
| 864877   | 0.2096 | 0.07331 | 0.5520 | 1.0720 |
| 865128   | 0.2129 | 0.05025 | 0.5506 | 1.2140 |
| 865137   | 0.1667 | 0.06113 | 0.1408 | 0.4607 |
| 86517    | 0.1966 | 0.06213 | 0.7128 | 1.5810 |
| 865423   | 0.2655 | 0.06877 | 1.5090 | 3.1200 |
| 865432   | 0.1856 | 0.06402 | 0.2929 | 0.8570 |
| 865468   | 0.1422 | 0.05823 | 0.1639 | 1.1400 |
| 86561    | 0.1614 | 0.05890 | 0.2185 | 0.8561 |
|          |        |         |        |        |

| 866083    | 0.1761 | 0.06130 | 0.2310 | 1.0050 |
|-----------|--------|---------|--------|--------|
| 866203    | 0.1946 | 0.05044 | 0.6896 | 1.3420 |
| 866458    | 0.2001 | 0.06467 | 0.4309 | 1.0680 |
| 866674    | 0.2202 | 0.06113 | 0.4953 | 1.1990 |
| 866714    | 0.1880 | 0.06471 | 0.2005 | 0.8163 |
| 8670      | 0.1931 | 0.05796 | 0.4743 | 0.7859 |
| 86730502  | 0.2160 | 0.05891 | 0.4332 | 1.2650 |
| 867387    | 0.1816 | 0.05723 | 0.3117 | 0.8155 |
| 867739    | 0.1692 | 0.05727 | 0.5959 | 1.2020 |
| 868202    | 0.1585 | 0.06065 | 0.2367 | 1.3800 |
| 868223    | 0.1339 | 0.05945 | 0.4489 | 2.5080 |
| 868682    | 0.1734 | 0.05865 | 0.1759 | 0.9938 |
| 868826    | 0.1957 | 0.06216 | 1.2960 | 1.4520 |
| 868871    | 0.1771 | 0.06072 | 0.3384 | 1.3430 |
| 868999    | 0.1903 | 0.06422 | 0.1988 | 0.4960 |
| 869104    | 0.1861 | 0.06248 | 0.7049 | 1.3320 |
| 869218    | 0.1645 | 0.06562 | 0.2843 | 1.9080 |
| 869224    | 0.1778 | 0.06235 | 0.2143 | 0.7712 |
| 869254    | 0.1399 | 0.05688 | 0.2525 | 1.2390 |
| 869476    | 0.1995 | 0.07839 | 0.3962 | 0.6538 |
| 869691    | 0.2678 | 0.07371 | 0.3197 | 1.4260 |
| 86973701  | 0.1744 | 0.06493 | 0.4220 | 1.9090 |
| 86973702  | 0.1724 | 0.06081 | 0.2406 | 0.7394 |
| 869931    | 0.1473 | 0.05580 | 0.2500 | 0.7574 |
| 871001501 | 0.2540 | 0.06087 | 0.4202 | 1.3220 |
| 871001502 | 0.2222 | 0.08261 | 0.1935 | 1.9620 |
| 8710441   | 0.2548 | 0.09296 | 0.8245 | 2.6640 |
| 87106     | 0.1830 | 0.06105 | 0.2251 | 0.7815 |
| 8711002   | 0.1822 | 0.06207 | 0.2710 | 0.7927 |
| 8711003   | 0.1970 | 0.06228 | 0.2200 | 0.9823 |
| 8711202   | 0.1971 | 0.06166 | 0.8113 | 1.4000 |
| 8711216   | 0.1844 | 0.05268 | 0.4789 | 2.0600 |
| 871122    | 0.1590 | 0.05907 | 0.1822 | 0.7285 |
| 871149    | 0.1442 | 0.05743 | 0.2818 | 0.7614 |
| 8711561   | 0.1993 | 0.06453 | 0.5018 | 1.6930 |
| 8711803   | 0.1741 | 0.05176 | 1.0000 | 0.6336 |
| 871201    | 0.2027 | 0.06082 | 0.7364 | 1.0480 |
| 8712064   | 0.1551 | 0.06761 | 0.2949 | 1.6560 |
| 8712289   | 0.1801 | 0.05553 | 0.6642 | 0.8561 |
| 8712291   | 0.1515 | 0.05266 | 0.1840 | 1.0650 |
| 87127     | 0.1381 | 0.06400 | 0.1728 | 0.4064 |
| 8712729   | 0.1893 | 0.05534 | 0.5990 | 1.3910 |
| 8712766   | 0.1538 | 0.06365 | 1.0880 | 1.4100 |
| 8712853   | 0.1780 | 0.05650 | 0.2713 | 1.2170 |
| 87139402  | 0.1959 | 0.05955 | 0.2360 | 0.6656 |
| 87163     | 0.1598 | 0.05671 | 0.4697 | 1.1470 |
| 87164     | 0.1966 | 0.07069 | 0.4209 | 0.6583 |
| 871641    | 0.1566 | 0.06669 | 0.2073 | 1.8050 |
| 871642    | 0.1928 | 0.05975 | 0.3309 | 1.9250 |
| 872113    | 0.1722 | 0.06724 | 0.2204 | 0.7873 |
| 872608    | 0.1669 | 0.08116 | 0.4311 | 2.2610 |
|           |        |         |        |        |

| 87281702  | 0.1794 | 0.06323 | 0.3037 | 1.2840 |
|-----------|--------|---------|--------|--------|
| 873357    | 0.1395 | 0.05234 | 0.1731 | 1.1420 |
| 873586    | 0.1466 | 0.06133 | 0.2889 | 0.9899 |
| 873592    | 0.1800 | 0.05770 | 0.8361 | 1.4810 |
| 873593    | 0.2395 | 0.07398 | 0.6298 | 0.7629 |
| 873701    | 0.1618 | 0.05549 | 0.3699 | 1.1500 |
| 873843    | 0.1167 | 0.06217 | 0.3344 | 1.1080 |
| 873885    | 0.1727 | 0.06317 | 0.2054 | 0.4956 |
| 874158    | 0.1703 | 0.06048 | 0.4245 | 1.2680 |
| 874217    | 0.1621 | 0.05425 | 0.2577 | 0.4757 |
| 874373    | 0.1516 | 0.06095 | 0.2451 | 0.7655 |
| 874662    | 0.1718 | 0.05780 | 0.1859 | 1.9260 |
| 874839    | 0.1667 | 0.05474 | 0.2382 | 0.8355 |
| 874858    | 0.2384 | 0.07542 | 0.2860 | 2.1100 |
| 875093    | 0.1694 | 0.06287 | 0.7311 | 1.7480 |
| 875099    | 0.1653 | 0.06447 | 0.3539 | 4.8850 |
| 875263    | 0.1943 | 0.06937 | 0.4053 | 1.8090 |
| 87556202  | 0.1737 | 0.06672 | 0.2796 | 0.9622 |
| 875878    | 0.1829 | 0.05667 | 0.1942 | 0.9086 |
| 875938    | 0.1834 | 0.06877 | 0.6191 | 2.1120 |
| 877159    | 0.1770 | 0.05340 | 0.6362 | 1.3050 |
| 877486    | 0.1767 | 0.05529 | 0.4357 | 1.0730 |
| 877500    | 0.1950 | 0.06466 | 0.2092 | 0.6509 |
| 877501    | 0.1979 | 0.06013 | 0.3534 | 1.3260 |
| 877989    | 0.1506 | 0.05491 | 0.3971 | 0.8282 |
| 878796    | 0.2200 | 0.06229 | 0.5539 | 1.5600 |
| 87880     | 0.2251 | 0.07421 | 0.5648 | 1.9300 |
| 87930     | 0.1925 | 0.06373 | 0.3961 | 1.0440 |
| 879523    | 0.1594 | 0.05986 | 0.2711 | 0.3621 |
| 879804    | 0.1934 | 0.06285 | 0.2137 | 1.3420 |
| 879830    | 0.2026 | 0.05223 | 0.5858 | 0.8554 |
| 8810158   | 0.1850 | 0.07310 | 0.1931 | 0.9223 |
| 8810436   | 0.1359 | 0.05526 | 0.2134 | 0.3628 |
| 881046502 | 0.1765 | 0.05024 | 0.8601 | 1.4800 |
| 8810528   | 0.1533 | 0.06057 | 0.2222 | 0.8652 |
| 8810703   | 0.1648 | 0.05525 | 2.8730 | 1.4760 |
| 881094802 | 0.1308 | 0.05866 | 0.5296 | 1.6670 |
| 8810955   | 0.2235 | 0.06433 | 0.4207 | 1.8450 |
| 8810987   | 0.2106 | 0.06916 | 0.2563 | 1.1940 |
| 8811523   | 0.1967 | 0.06314 | 0.2963 | 1.5630 |
| 8811779   | 0.1964 | 0.06315 | 0.3567 | 1.9220 |
| 8811842   | 0.2094 | 0.05581 | 0.9553 | 1.1860 |
| 88119002  | 0.1428 | 0.05313 | 0.7392 | 1.3210 |
| 8812816   | 0.1360 | 0.06344 | 0.2102 | 0.4336 |
| 8812818   | 0.1962 | 0.06303 | 0.2569 | 0.4981 |
| 8812844   | 0.1910 | 0.06908 | 0.2467 | 1.2170 |
| 8812877   | 0.1935 | 0.06303 | 0.3473 | 0.9209 |
| 8813129   | 0.1496 | 0.05674 | 0.2927 | 0.8907 |
| 88143502  | 0.2075 | 0.05448 | 0.5220 | 0.8121 |
| 88147101  | 0.1788 | 0.06450 | 0.1913 | 0.9027 |
| 88147102  | 0.1881 | 0.05907 | 0.2318 | 0.4966 |

| 88147202 | 0.1514 | 0.06019 | 0.2449 | 1.0660 |
|----------|--------|---------|--------|--------|
| 881861   | 0.2123 | 0.07254 | 0.3061 | 1.0690 |
| 881972   | 0.2131 | 0.06325 | 0.2959 | 0.6790 |
| 88199202 | 0.1869 | 0.05628 | 0.1210 | 0.8927 |
| 88203002 | 0.1845 | 0.05828 | 0.2239 | 1.6470 |
| 88206102 | 0.1448 | 0.05592 | 0.5240 | 1.1890 |
| 882488   | 0.1551 | 0.06403 | 0.2152 | 0.8301 |
| 88249602 | 0.1517 | 0.05835 | 0.2589 | 1.5030 |
| 88299702 | 0.1909 | 0.06309 | 1.0580 | 0.9635 |
| 883263   | 0.1467 | 0.05177 | 0.6874 | 1.0410 |
| 883270   | 0.1342 | 0.06129 | 0.3354 | 2.3240 |
| 88330202 | 0.1809 | 0.05966 | 0.5366 | 0.8561 |
| 88350402 | 0.1717 | 0.05660 | 0.3242 | 0.6612 |
| 883539   | 0.1546 | 0.05754 | 0.1153 | 0.6745 |
| 883852   | 0.2054 | 0.07669 | 0.2428 | 1.6420 |
| 88411702 | 0.1773 | 0.05429 | 0.4347 | 1.0570 |
| 884180   | 0.1978 | 0.06000 | 0.5243 | 1.8020 |
| 884437   | 0.1737 | 0.06440 | 0.3719 | 2.6120 |
| 884448   | 0.1487 | 0.05635 | 0.1630 | 1.6010 |
| 884626   | 0.1596 | 0.06409 | 0.2025 | 0.4402 |
| 88466802 | 0.1897 | 0.06329 | 0.2497 | 1.4930 |
| 884689   | 0.1883 | 0.06168 | 0.2562 | 1.0380 |
| 884948   | 0.2205 | 0.05898 | 1.0040 | 0.8208 |
| 88518501 | 0.1834 | 0.05934 | 0.3927 | 0.8429 |
| 885429   | 0.1733 | 0.06697 | 0.7661 | 0.7800 |
| 8860702  | 0.1813 | 0.05613 | 0.3093 | 0.8568 |
| 886226   | 0.1776 | 0.05647 | 0.5959 | 0.6342 |
| 886452   | 0.1908 | 0.06130 | 0.4250 | 0.8098 |
| 88649001 | 0.1893 | 0.06232 | 0.8426 | 1.1990 |
| 886776   | 0.2398 | 0.07596 | 0.6592 | 1.0590 |
| 887181   | 0.2495 | 0.08104 | 1.2920 | 2.4540 |
| 88725602 | 0.2091 | 0.06650 | 0.2419 | 1.2780 |
| 887549   | 0.1814 | 0.05572 | 0.3977 | 1.0330 |
| 888264   | 0.1564 | 0.05307 | 0.4007 | 1.3170 |
| 888570   | 0.2108 | 0.05464 | 0.8348 | 1.6330 |
| 889403   | 0.1547 | 0.05443 | 0.2298 | 0.9988 |
| 889719   | 0.1867 | 0.05580 | 0.4203 | 0.7383 |
| 88995002 | 0.1769 | 0.05674 | 1.1720 | 1.6170 |
| 8910251  | 0.1922 | 0.06491 | 0.4505 | 1.1970 |
| 8910499  | 0.1635 | 0.05859 | 0.3380 | 1.9160 |
| 8910506  | 0.2010 | 0.05769 | 0.2345 | 1.2190 |
| 8910720  | 0.1668 | 0.06862 | 0.3198 | 1.4890 |
| 8910721  | 0.1508 | 0.05376 | 0.1302 | 0.7198 |
| 8910748  | 0.1769 | 0.06270 | 0.1904 | 0.5293 |
| 8910988  | 0.1721 | 0.06194 | 1.1670 | 1.3520 |
| 8910996  | 0.2081 | 0.06312 | 0.2684 | 1.4090 |
| 8911163  | 0.1538 | 0.05510 | 0.4212 | 1.4330 |
| 8911164  | 0.2015 | 0.05875 | 0.6412 | 2.2930 |
| 8911230  | 0.1954 | 0.05821 | 0.2375 | 1.2800 |
| 8911670  | 0.1550 | 0.04996 | 0.3283 | 0.8280 |
| 8911800  | 0.1573 | 0.05520 | 0.2580 | 1.1660 |
|          |        |         |        |        |

| 8911834  | 0.2110 | 0.05853 | 0.2479 | 0.9195 |
|----------|--------|---------|--------|--------|
| 8912049  | 0.1902 | 0.06220 | 0.6361 | 1.0010 |
| 8912055  | 0.2101 | 0.06113 | 0.5619 | 1.2680 |
| 89122    | 0.1893 | 0.05892 | 0.4709 | 0.9951 |
| 8912280  | 0.1876 | 0.06684 | 0.2873 | 0.9173 |
| 8912284  | 0.1432 | 0.05935 | 0.2913 | 1.3890 |
| 8912521  | 0.1697 | 0.05855 | 0.2719 | 1.3500 |
| 8912909  | 0.1588 | 0.06766 | 0.2742 | 1.3900 |
| 8913     | 0.1337 | 0.05581 | 0.1532 | 0.4690 |
| 8913049  | 0.2595 | 0.06233 | 0.4866 | 1.9050 |
| 89143601 | 0.2013 | 0.05955 | 0.2656 | 1.9740 |
| 89143602 | 0.1714 | 0.07192 | 0.8811 | 1.7700 |
| 8915     | 0.1879 | 0.05852 | 0.2877 | 0.9480 |
| 891670   | 0.1730 | 0.06470 | 0.2094 | 0.7636 |
| 891703   | 0.1875 | 0.05715 | 0.2070 | 1.2380 |
| 891716   | 0.1638 | 0.06100 | 0.1807 | 0.6931 |
| 891923   | 0.1592 | 0.05912 | 0.2191 | 0.6946 |
| 891936   | 0.1449 | 0.06031 | 0.1753 | 1.0270 |
| 892189   | 0.1619 | 0.06287 | 0.6450 | 2.1050 |
| 892214   | 0.1635 | 0.05586 | 0.2300 | 0.6690 |
| 892399   | 0.1695 | 0.06556 | 0.2868 | 1.1430 |
| 892438   | 0.1792 | 0.06552 | 1.1110 | 1.1610 |
| 892604   | 0.1781 | 0.06249 | 0.3642 | 1.0400 |
| 89263202 | 0.2249 | 0.07469 | 1.0720 | 1.7430 |
| 892657   | 0.1482 | 0.06600 | 0.1485 | 1.5630 |
| 89296    | 0.1411 | 0.06243 | 0.3278 | 1.0590 |
| 893061   | 0.1935 | 0.05878 | 0.2512 | 1.7860 |
| 89344    | 0.1632 | 0.05894 | 0.1903 | 0.5735 |
| 89346    | 0.1788 | 0.06833 | 0.1746 | 1.3050 |
| 893526   | 0.1365 | 0.05335 | 0.2244 | 0.6864 |
| 893548   | 0.1453 | 0.05518 | 0.3975 | 0.8285 |
| 893783   | 0.1936 | 0.06128 | 0.1601 | 1.4300 |
| 89382601 | 0.1632 | 0.05255 | 0.3160 | 0.9115 |
| 89382602 | 0.1601 | 0.06140 | 0.3265 | 0.6594 |
| 893988   | 0.1833 | 0.06100 | 0.1312 | 0.3602 |
| 894047   | 0.2163 | 0.07359 | 0.3368 | 2.7770 |
| 894089   | 0.1215 | 0.05673 | 0.1716 | 0.7151 |
| 894090   | 0.1673 | 0.05649 | 0.2113 | 0.5996 |
| 894326   | 0.1807 | 0.05664 | 0.4041 | 0.5503 |
| 894329   | 0.2330 | 0.08743 | 0.4653 | 1.9110 |
| 894335   | 0.1472 | 0.05561 | 0.3778 | 2.2000 |
| 894604   | 0.1743 | 0.07279 | 0.3677 | 1.4710 |
| 894618   | 0.1928 | 0.05096 | 0.5925 | 0.6863 |
| 894855   | 0.1543 | 0.06476 | 0.2212 | 1.0420 |
| 895100   | 0.2569 | 0.06670 | 0.5702 | 1.0230 |
| 89511501 | 0.1638 | 0.06129 | 0.2575 | 0.8073 |
| 89511502 | 0.1707 | 0.05984 | 0.2100 | 0.9505 |
| 89524    | 0.1373 | 0.05700 | 0.2571 | 1.0810 |
| 895299   | 0.1382 | 0.06070 | 0.2335 | 0.9097 |
| 8953902  | 0.1948 | 0.06277 | 0.4375 | 1.2320 |
| 895633   | 0.1869 | 0.06532 | 0.5706 | 1.4570 |
|          |        |         |        |        |

| 896839    | 0.1782 | 0.05976 | 0.3371 | 0.7476 |
|-----------|--------|---------|--------|--------|
| 896864    | 0.1761 | 0.06540 | 0.2684 | 0.5664 |
| 897132    | 0.1940 | 0.06028 | 0.2976 | 1.9660 |
| 897137    | 0.1773 | 0.06081 | 0.2144 | 0.9961 |
| 897374    | 0.1539 | 0.05945 | 0.1840 | 1.5320 |
| 89742801  | 0.1727 | 0.06071 | 0.8161 | 2.1290 |
| 897604    | 0.1652 | 0.07238 | 0.1814 | 0.6412 |
| 897630    | 0.1953 | 0.06083 | 0.6422 | 1.5300 |
| 897880    | 0.1890 | 0.06331 | 0.2619 | 2.0150 |
| 89812     | 0.1797 | 0.05506 | 1.0090 | 0.9245 |
| 89813     | 0.1912 | 0.06412 | 0.3491 | 0.7706 |
| 898143    | 0.2036 | 0.07125 | 0.1844 | 0.9429 |
| 89827     | 0.1776 | 0.06907 | 0.1601 | 0.8225 |
| 898431    | 0.2082 | 0.05715 | 0.6226 | 2.2840 |
| 89864002  | 0.2009 | 0.06506 | 0.3446 | 0.7395 |
| 898677    | 0.1633 | 0.07005 | 0.3380 | 2.5090 |
| 898678    | 0.1555 | 0.06048 | 0.2430 | 1.1520 |
| 89869     | 0.1521 | 0.05912 | 0.3428 | 0.3981 |
| 898690    | 0.1634 | 0.06372 | 0.1707 | 0.7615 |
| 899147    | 0.2459 | 0.06581 | 0.3610 | 1.0500 |
| 899187    | 0.1671 | 0.05731 | 0.3534 | 0.6724 |
| 899667    | 0.2375 | 0.07603 | 0.5204 | 1.3240 |
| 899987    | 0.1956 | 0.06121 | 0.9948 | 0.8509 |
| 9010018   | 0.1647 | 0.06464 | 0.6534 | 1.5060 |
| 901011    | 0.1690 | 0.06083 | 0.4222 | 0.8092 |
| 9010258   | 0.1533 | 0.06184 | 0.3602 | 1.4780 |
| 9010259   | 0.2035 | 0.06501 | 0.3106 | 1.5100 |
| 901028    | 0.1424 | 0.05883 | 0.2543 | 1.3630 |
| 9010333   | 0.1930 | 0.06621 | 0.5381 | 1.2000 |
| 901034301 | 0.1506 | 0.06959 | 0.5079 | 1.2470 |
| 901034302 | 0.1528 | 0.05185 | 0.3511 | 0.9527 |
| 901041    | 0.1815 | 0.05696 | 0.2621 | 1.5390 |
| 9010598   | 0.1759 | 0.06183 | 0.2213 | 1.2850 |
| 9010872   | 0.1495 | 0.05593 | 0.3389 | 1.4390 |
| 9010877   | 0.1650 | 0.05701 | 0.1584 | 0.6124 |
| 901088    | 0.1618 | 0.05557 | 0.5781 | 0.9168 |
| 9011494   | 0.1875 | 0.06020 | 0.9761 | 1.8920 |
| 9011495   | 0.1695 | 0.05916 | 0.2527 | 0.7786 |
| 9011971   | 0.1717 | 0.05054 | 1.2070 | 1.0510 |
| 9012000   | 0.1824 | 0.06140 | 1.0080 | 0.6999 |
| 9012315   | 0.2175 | 0.06218 | 0.4312 | 1.0220 |
| 9012568   | 0.1721 | 0.05544 | 0.1783 | 0.4125 |
| 9012795   | 0.1973 | 0.06183 | 0.3414 | 1.3090 |
| 901288    | 0.1571 | 0.05478 | 0.6137 | 0.6575 |
| 9013005   | 0.1872 | 0.05669 | 0.1705 | 0.5066 |
| 901303    | 0.1990 | 0.06572 | 0.1745 | 0.4890 |
| 901315    | 0.2188 | 0.08450 | 0.1115 | 1.2310 |
| 9013579   | 0.1421 | 0.05763 | 0.1689 | 1.1500 |
| 9013594   | 0.1792 | 0.05897 | 0.1402 | 0.5417 |
| 9013838   | 0.2196 | 0.07950 | 0.2114 | 1.0270 |
| 901549    | 0.2018 | 0.06914 | 0.2562 | 0.9858 |

| 901836   | 0.2003 | 0.06246 | 0.1642 | 1.0310 |
|----------|--------|---------|--------|--------|
| 90250    | 0.1203 | 0.06659 | 0.1194 | 1.4340 |
| 90251    | 0.1779 | 0.06588 | 0.2608 | 0.8730 |
| 902727   | 0.1617 | 0.05594 | 0.1833 | 0.5308 |
| 90291    | 0.1627 | 0.05416 | 0.4157 | 1.6270 |
| 902975   | 0.1646 | 0.06154 | 0.2666 | 0.8309 |
| 902976   | 0.1607 | 0.05474 | 0.2541 | 0.6218 |
| 903011   | 0.1810 | 0.07252 | 0.3305 | 1.0670 |
| 90312    | 0.1989 | 0.05884 | 0.6107 | 2.8360 |
| 90317302 | 0.1800 | 0.06569 | 0.1911 | 0.5477 |
| 903483   | 0.1985 | 0.07098 | 0.5169 | 2.0790 |
| 903507   | 0.1929 | 0.06744 | 0.6470 | 1.3310 |
| 903516   | 0.2162 | 0.06606 | 0.6242 | 0.9209 |
| 903554   | 0.1937 | 0.06161 | 0.2841 | 1.6520 |
| 903811   | 0.1641 | 0.05764 | 0.1504 | 1.6850 |
| 90401601 | 0.1806 | 0.06079 | 0.2136 | 1.3320 |
| 90401602 | 0.1574 | 0.05750 | 0.3639 | 1.2650 |
| 904302   | 0.1535 | 0.06214 | 0.1855 | 0.6881 |
| 904357   | 0.1847 | 0.06019 | 0.3438 | 1.1400 |
| 90439701 | 0.2113 | 0.07115 | 0.4030 | 0.7747 |
| 904647   | 0.1601 | 0.05541 | 0.2522 | 1.0450 |
| 904689   | 0.1874 | 0.05899 | 0.2357 | 1.2990 |
| 9047     | 0.1735 | 0.06200 | 0.1458 | 0.9050 |
| 904969   | 0.1571 | 0.05708 | 0.3833 | 0.9078 |
| 904971   | 0.1486 | 0.06615 | 0.3796 | 1.7430 |
| 905189   | 0.1735 | 0.05875 | 0.2387 | 0.6372 |
| 905190   | 0.1580 | 0.06114 | 0.4993 | 1.7980 |
| 90524101 | 0.1992 | 0.06069 | 0.4537 | 0.8733 |
| 905501   | 0.1966 | 0.05597 | 0.3342 | 1.7810 |
| 905502   | 0.1601 | 0.05913 | 0.1916 | 1.5550 |
| 905520   | 0.1714 | 0.06340 | 0.1967 | 1.3870 |
| 905539   | 0.1274 | 0.06724 | 0.1186 | 1.1820 |
| 905557   | 0.1944 | 0.05913 | 0.3186 | 1.3360 |
| 905680   | 0.1852 | 0.05294 | 0.4681 | 1.6270 |
| 905686   | 0.2019 | 0.06290 | 0.2747 | 1.2030 |
| 905978   | 0.2025 | 0.06601 | 0.4302 | 2.8780 |
| 90602302 | 0.2085 | 0.06864 | 1.3700 | 1.2130 |
| 906024   | 0.1583 | 0.06275 | 0.2253 | 0.6457 |
| 906290   | 0.1615 | 0.06144 | 0.2865 | 1.6780 |
| 906539   | 0.2031 | 0.06267 | 0.2864 | 1.4400 |
| 906564   | 0.2086 | 0.07406 | 0.5462 | 1.5110 |
| 906616   | 0.1886 | 0.06320 | 0.2456 | 0.7339 |
| 906878   | 0.1848 | 0.06181 | 0.2244 | 0.8950 |
| 907145   | 0.2538 | 0.07029 | 0.6965 | 1.7470 |
| 907367   | 0.1630 | 0.06439 | 0.1851 | 1.3410 |
| 907409   | 0.1925 | 0.06915 | 0.3276 | 1.1270 |
| 90745    | 0.2016 | 0.05977 | 0.3077 | 1.6210 |
| 90769601 | 0.1511 | 0.06148 | 0.1415 | 0.9671 |
| 90769602 | 0.1459 | 0.05544 | 0.2954 | 0.8836 |
| 907914   | 0.2041 | 0.06898 | 0.2530 | 0.8749 |
| 907915   | 0.1811 | 0.07102 | 0.1767 | 1.4600 |
|          |        |         |        |        |

| 908194    | 0.1724 | 0.06053 | 0.4331 | 1.0010 |
|-----------|--------|---------|--------|--------|
| 908445    | 0.1943 | 0.06132 | 0.8191 | 1.9310 |
| 908469    | 0.1573 | 0.05703 | 0.3028 | 0.6683 |
| 908489    | 0.1669 | 0.06544 | 0.2208 | 0.9533 |
| 908916    | 0.1861 | 0.06347 | 0.3665 | 0.7693 |
| 909220    | 0.1714 | 0.05898 | 0.3892 | 1.0460 |
| 909231    | 0.1555 | 0.05673 | 0.3419 | 1.6780 |
| 909410    | 0.1589 | 0.05586 | 0.2142 | 0.6549 |
| 909411    | 0.1489 | 0.06640 | 0.2574 | 1.3760 |
| 909445    | 0.1467 | 0.05407 | 0.5100 | 1.6790 |
| 90944601  | 0.1405 | 0.05848 | 0.3563 | 0.4833 |
| 909777    | 0.2372 | 0.05768 | 0.1818 | 2.5420 |
| 9110127   | 0.1720 | 0.05780 | 0.2986 | 0.5906 |
| 9110720   | 0.1820 | 0.06850 | 0.2623 | 1.2040 |
| 9110732   | 0.1713 | 0.05916 | 0.3897 | 1.0770 |
| 9110944   | 0.1893 | 0.05886 | 0.2204 | 0.6221 |
| 911150    | 0.1473 | 0.05746 | 0.2535 | 1.3540 |
| 911157302 | 0.1554 | 0.05661 | 0.6643 | 1.3610 |
| 9111596   | 0.1349 | 0.06612 | 0.2560 | 1.5540 |
| 9111805   | 0.1663 | 0.05391 | 0.4674 | 1.3750 |
| 9111843   | 0.1615 | 0.06104 | 0.1912 | 1.7050 |
| 911201    | 0.1650 | 0.06121 | 0.3060 | 0.7213 |
| 911202    | 0.1799 | 0.05826 | 0.1692 | 0.6674 |
| 9112085   | 0.1375 | 0.06016 | 0.3408 | 1.9240 |
| 9112366   | 0.1799 | 0.06166 | 0.3135 | 2.4260 |
| 9112367   | 0.1619 | 0.05584 | 0.2084 | 1.3500 |
| 9112594   | 0.1667 | 0.05449 | 0.2621 | 1.2320 |
| 9112712   | 0.1621 | 0.05952 | 0.1781 | 1.6870 |
| 911296201 | 0.1793 | 0.06281 | 0.9291 | 1.1520 |
| 911296202 | 0.2061 | 0.05623 | 2.5470 | 1.3060 |
| 9113156   | 0.1707 | 0.05433 | 0.2315 | 0.9112 |
| 911320501 | 0.1516 | 0.05859 | 0.1816 | 0.7656 |
| 911320502 | 0.1454 | 0.05549 | 0.2023 | 0.6850 |
| 9113239   | 0.1601 | 0.06432 | 0.2810 | 0.8135 |
| 9113455   | 0.1562 | 0.06020 | 0.3152 | 0.7884 |
| 9113514   | 0.1680 | 0.06412 | 0.3416 | 1.3120 |
| 9113538   | 0.1696 | 0.07369 | 0.9289 | 1.4650 |
| 911366    | 0.1957 | 0.07255 | 0.4101 | 1.7400 |
| 9113778   | 0.2238 | 0.06413 | 0.3776 | 1.3500 |
| 9113816   | 0.1854 | 0.05698 | 0.6061 | 2.6430 |
| 911384    | 0.1687 | 0.05669 | 0.2446 | 0.4334 |
| 9113846   | 0.1701 | 0.05960 | 0.4455 | 3.6470 |
| 911391    | 0.1861 | 0.06837 | 0.1482 | 0.5380 |
| 911408    | 0.1705 | 0.05913 | 0.1499 | 0.4875 |
| 911654    | 0.1506 | 0.06009 | 0.3478 | 1.0180 |
| 911673    | 0.1813 | 0.05536 | 0.1555 | 0.5762 |
| 911685    | 0.1779 | 0.06574 | 0.2034 | 1.1660 |
| 911916    | 0.2151 | 0.06578 | 0.3147 | 0.9857 |
| 912193    | 0.1464 | 0.06284 | 0.2194 | 1.1900 |
| 91227     | 0.1579 | 0.05594 | 0.3316 | 0.9264 |
| 912519    | 0.1779 | 0.06639 | 0.1588 | 0.5733 |
|           |        |         |        |        |

| 912558   | 0.1732 | 0.06088 | 0.2431 | 0.9462 |
|----------|--------|---------|--------|--------|
| 912600   | 0.1784 | 0.06259 | 0.1630 | 0.3871 |
| 913063   | 0.2082 | 0.07325 | 0.3921 | 1.2070 |
| 913102   | 0.1409 | 0.05355 | 0.2204 | 1.0060 |
| 913505   | 0.1823 | 0.06115 | 0.5659 | 1.4080 |
| 913512   | 0.1853 | 0.06401 | 0.3713 | 1.1540 |
| 913535   | 0.1846 | 0.05325 | 0.2473 | 0.5679 |
| 91376701 | 0.1544 | 0.05976 | 0.2239 | 1.1390 |
| 91376702 | 0.1220 | 0.05243 | 0.4834 | 1.0460 |
| 914062   | 0.2116 | 0.06077 | 0.7548 | 1.2880 |
| 914101   | 0.1613 | 0.06013 | 0.3276 | 1.4860 |
| 914102   | 0.1713 | 0.05888 | 0.3237 | 1.4730 |
| 914333   | 0.1487 | 0.05748 | 0.2323 | 1.6360 |
| 914366   | 0.1641 | 0.06854 | 0.2324 | 0.6332 |
| 914580   | 0.1526 | 0.06046 | 0.1532 | 0.7810 |
| 914769   | 0.1832 | 0.06697 | 0.7923 | 1.0450 |
| 91485    | 0.1848 | 0.06222 | 0.5904 | 1.2160 |
| 914862   | 0.1668 | 0.06869 | 0.3720 | 0.8423 |
| 91504    | 0.2275 | 0.07237 | 0.4751 | 1.5280 |
| 91505    | 0.1943 | 0.06612 | 0.2577 | 1.0950 |
| 915143   | 0.1505 | 0.05484 | 1.2910 | 0.7452 |
| 915186   | 0.2378 | 0.09502 | 0.4076 | 1.0930 |
| 915276   | 0.2057 | 0.09575 | 0.2744 | 1.3900 |
| 91544001 | 0.2124 | 0.06894 | 0.1811 | 0.7959 |
| 91544002 | 0.1954 | 0.07976 | 0.1779 | 1.0300 |
| 915452   | 0.1711 | 0.05657 | 0.2067 | 0.4706 |
| 915460   | 0.1807 | 0.07083 | 0.3331 | 1.9610 |
| 91550    | 0.1499 | 0.06758 | 0.1924 | 0.6417 |
| 915664   | 0.1659 | 0.05348 | 0.2182 | 0.6232 |
| 915691   | 0.2116 | 0.07325 | 0.3906 | 0.9306 |
| 915940   | 0.1739 | 0.05640 | 0.4165 | 0.6237 |
| 91594602 | 0.1561 | 0.05915 | 0.3860 | 1.1980 |
| 916221   | 0.1927 | 0.06211 | 0.2430 | 1.0100 |
| 916799   | 0.1860 | 0.05941 | 0.5449 | 0.9225 |
| 916838   | 0.1802 | 0.06188 | 0.5079 | 0.8737 |
| 917062   | 0.1709 | 0.07253 | 0.4426 | 1.1690 |
| 917080   | 0.2120 | 0.06623 | 0.3834 | 1.0030 |
| 917092   | 0.2197 | 0.07696 | 0.3538 | 1.1300 |
| 91762702 | 0.1991 | 0.06739 | 0.9915 | 0.9004 |
| 91789    | 0.1637 | 0.06343 | 0.1344 | 1.0830 |
| 917896   | 0.1714 | 0.06843 | 0.3191 | 1.2490 |
| 917897   | 0.1387 | 0.06891 | 0.2498 | 1.2160 |
| 91805    | 0.1678 | 0.07126 | 0.1267 | 0.6793 |
| 91813701 | 0.1723 | 0.06317 | 0.1998 | 0.6068 |
| 91813702 | 0.1689 | 0.05808 | 0.1166 | 0.4957 |
| 918192   | 0.1976 | 0.06457 | 0.5461 | 2.6350 |
| 918465   | 0.1657 | 0.06608 | 0.2513 | 0.5040 |
| 91858    | 0.1598 | 0.06677 | 0.4384 | 1.9070 |
| 91903901 | 0.1859 | 0.06461 | 0.2067 | 0.8745 |
| 91903902 | 0.1631 | 0.06155 | 0.2047 | 0.4801 |
| 91930402 | 0.2166 | 0.05419 | 0.8336 | 1.7360 |
|          |        |         |        |        |

| 919537   | 0.1619               | 0.06408          | 0.1507       | 1.5830       |
|----------|----------------------|------------------|--------------|--------------|
| 919555   | 0.2127               | 0.06251          | 0.6986       | 0.9901       |
| 91979701 | 0.1926               | 0.05982          | 0.2027       | 1.8510       |
| 919812   | 0.2131               | 0.07405          | 0.2957       | 1.9780       |
| 921092   | 0.1870               | 0.07285          | 0.3777       | 1.4620       |
| 921362   | 0.2037               | 0.07751          | 0.2196       | 1.4790       |
| 921385   | 0.1818               | 0.06782          | 0.2784       | 1.7680       |
| 921386   | 0.1872               | 0.06341          | 0.2542       | 1.0790       |
| 921644   | 0.1840               | 0.05680          | 0.3031       | 1.3850       |
| 922296   | 0.1628               | 0.05781          | 0.2351       | 1.5970       |
| 922297   | 0.1620               | 0.06688          | 0.2720       | 1.0470       |
| 922576   | 0.1664               | 0.05801          | 0.3460       | 1.3360       |
| 922577   | 0.1885               | 0.06201          | 0.2104       | 0.9670       |
| 922840   | 0.1669               | 0.06714          | 0.1144       | 1.0230       |
| 923169   | 0.1580               | 0.06235          | 0.2957       | 1.3630       |
| 923465   | 0.1976               | 0.06328          | 0.5196       | 1.9180       |
| 923748   | 0.1661               | 0.05948          | 0.3163       | 1.3040       |
| 923780   | 0.2030               | 0.06552          | 0.2800       | 1.4670       |
| 924084   | 0.1539               | 0.05637          | 0.2409       | 1.3670       |
| 924342   | 0.1692               | 0.06576          | 0.3013       | 1.8790       |
| 924632   | 0.1566               | 0.05708          | 0.2116       | 1.3600       |
| 924934   | 0.1593               | 0.06127          | 0.2199       | 2.2390       |
| 924964   | 0.1791               | 0.06331          | 0.2441       | 2.0900       |
| 925236   | 0.1742               | 0.06059          | 0.5375       | 2.9270       |
| 925277   | 0.1454               | 0.06147          | 0.2254       | 1.1080       |
| 925291   | 0.1388               | 0.06570          | 0.2388       | 2.9040       |
| 925292   | 0.1537               | 0.06171          | 0.3645       | 1.4920       |
| 925311   | 0.1060               | 0.05502          | 0.3141       | 3.8960       |
| 925622   | 0.2128               | 0.07152          | 0.2602       | 1.2050       |
| 926125   | 0.2149               | 0.06879          | 0.9622       | 1.0260       |
| 926424   | 0.1726               | 0.05623          | 1.1760       | 1.2560       |
| 926682   | 0.1752               | 0.05533          | 0.7655       | 2.4630       |
| 926954   | 0.1590               | 0.05648          | 0.4564       | 1.0750       |
| 927241   | 0.2397               | 0.07016          | 0.7260       | 1.5950       |
| 92751    | 0.1587               | 0.05884          | 0.3857       | 1.4280       |
|          | perimeter_se area_se | smoothness_se co | mpactness_se | concavity_se |
| 842302   | 8.5890 153.400       | 0.006399         | 0.049040     | 0.0537300    |
| 842517   | 3.3980 74.080        | 0.005225         | 0.013080     | 0.0186000    |
| 84300903 | 4.5850 94.030        | 0.006150         | 0.040060     | 0.0383200    |
| 84348301 | 3.4450 27.230        | 0.009110         | 0.074580     | 0.0566100    |
| 84358402 | 5.4380 94.440        | 0.011490         | 0.024610     | 0.0568800    |
| 843786   | 2.2170 27.190        | 0.007510         | 0.033450     | 0.0367200    |
| 844359   | 3.1800 53.910        | 0.004314         | 0.013820     | 0.0225400    |
| 84458202 | 3.8560 50.960        | 0.008805         | 0.030290     | 0.0248800    |
| 844981   | 2.4060 24.320        | 0.005731         | 0.035020     | 0.0355300    |
| 84501001 | 2.0390 23.940        | 0.007149         | 0.072170     | 0.0774300    |
| 845636   | 2.4660 40.510        | 0.004029         | 0.009269     | 0.0110100    |
| 84610002 | 3.5640 54.160        | 0.005771         | 0.040610     | 0.0279100    |
| 846226   | 11.0700 116.200      | 0.003139         | 0.082970     | 0.0889000    |
| 846381   | 2.9030 36.580        | 0.009769         | 0.031260     | 0.0505100    |
| 84667401 | 2.0610 19.210        | 0.006429         | 0.059360     | 0.0550100    |
|          |                      |                  |              |              |

| 84799002 | 2.8790 32  | 2.550 | 0.005607 | 0.042400 | 0.0474100 |
|----------|------------|-------|----------|----------|-----------|
| 848406   | 3.1950 45  | 5.400 | 0.005718 | 0.011620 | 0.0199800 |
| 84862001 | 3.8540 54  | 4.180 | 0.007026 | 0.025010 | 0.0318800 |
| 849014   | 5.8650 112 | 2.400 | 0.006494 | 0.018930 | 0.0339100 |
| 8510426  | 2.0580 23  | 3.560 | 0.008462 | 0.014600 | 0.0238700 |
| 8510653  | 1.3830 14  | 4.670 | 0.004097 | 0.018980 | 0.0169800 |
| 8510824  | 1.9090 15  | 5.700 | 0.009606 | 0.014320 | 0.0198500 |
| 8511133  | 3.3840 44  | 4.910 | 0.006789 | 0.053280 | 0.0644600 |
| 851509   | 4.3030 93  | 3.990 | 0.004728 | 0.012590 | 0.0171500 |
| 852552   | 5.4550 102 | 2.600 | 0.006048 | 0.018820 | 0.0274100 |
| 852631   | 7.2760 111 | 1.400 | 0.008029 | 0.037990 | 0.0373200 |
| 852763   | 2.1100 21  | 1.050 | 0.004452 | 0.030550 | 0.0268100 |
| 852781   | 5.6320 93  | 3.540 | 0.010750 | 0.027220 | 0.0508100 |
| 852973   | 3.4980 43  | 3.500 | 0.005233 | 0.030570 | 0.0357600 |
| 853201   | 4.6550 61  | 1.100 | 0.005627 | 0.030330 | 0.0340700 |
| 853401   | 5.5740 105 | 5.000 | 0.006248 | 0.033740 | 0.0519600 |
| 853612   | 3.4750 41  | 1.000 | 0.005551 | 0.034140 | 0.0420500 |
| 85382601 | 3.9990 67  | 7.780 | 0.008268 | 0.030820 | 0.0504200 |
| 854002   | 3.5280 68  | 3.170 | 0.005015 | 0.033180 | 0.0349700 |
| 854039   | 2.1830 35  | 5.030 | 0.004185 | 0.028680 | 0.0266400 |
| 854253   | 3.0080 45  | 5.190 | 0.005776 | 0.024990 | 0.0369500 |
| 854268   | 2.6570 24  | 4.910 | 0.005878 | 0.029950 | 0.0481500 |
| 854941   |            |       | 0.004352 | 0.004899 | 0.0134300 |
| 855133   | 8.0770 106 |       | 0.006883 | 0.010940 | 0.0181800 |
| 855138   | 1.5450 18  | 3.520 | 0.005367 | 0.022390 | 0.0304900 |
| 855167   |            |       | 0.003280 | 0.011020 | 0.0139000 |
| 855563   |            |       | 0.008064 | 0.017640 | 0.0259500 |
| 855625   | 8.8300 104 |       | 0.006548 | 0.100600 | 0.0972300 |
| 856106   | 2.4270 31  |       | 0.005072 | 0.021470 | 0.0218500 |
| 85638502 |            |       | 0.003350 | 0.013840 | 0.0145200 |
| 857010   | 4.2930 71  |       | 0.006294 | 0.039940 | 0.0555400 |
| 85713702 |            |       | 0.008968 | 0.016460 | 0.0158800 |
| 85715    |            |       | 0.006532 | 0.023360 | 0.0290500 |
| 857155   |            |       | 0.005488 | 0.014270 | 0.0232200 |
| 857156   |            |       | 0.004455 | 0.013820 | 0.0209500 |
| 857343   |            |       | 0.005857 | 0.009758 | 0.0116800 |
| 857373   |            |       | 0.004477 | 0.011770 | 0.0107900 |
| 857374   |            |       | 0.007210 | 0.008380 | 0.0131100 |
| 857392   |            |       | 0.003899 | 0.029610 | 0.0281700 |
| 857438   |            |       | 0.004675 | 0.010300 | 0.0160300 |
| 85759902 |            |       | 0.008328 | 0.008722 | 0.0134900 |
| 857637   | 4.8370 102 |       | 0.006458 | 0.023060 | 0.0294500 |
| 857793   |            |       | 0.003659 | 0.028550 | 0.0257200 |
| 857810   |            |       | 0.007491 | 0.008593 | 0.0006920 |
| 858477   |            |       | 0.010110 | 0.010550 | 0.0198100 |
| 858970   |            |       | 0.007514 | 0.010990 | 0.0076650 |
| 858981   |            |       | 0.011930 | 0.031620 | 0.0300000 |
| 858986   |            |       | 0.009407 | 0.070560 | 0.0689900 |
| 859196   |            |       | 0.008738 | 0.039380 | 0.0431200 |
| 85922302 |            |       | 0.007781 | 0.026480 | 0.0297300 |
| 859283   |            |       | 0.006703 | 0.023100 | 0.0231500 |
| 037203   |            |       | 2.000/05 | 1.023100 | 5.5251500 |

| 859464   | 1.6600  | 14.200  | 0.010520 | 0.017550 | 0.0171400 |
|----------|---------|---------|----------|----------|-----------|
| 859465   | 1.8310  | 18.150  | 0.009282 | 0.009216 | 0.0206300 |
| 859471   | 1.8850  | 17.670  | 0.009549 | 0.086060 | 0.3038000 |
| 859487   | 1.4710  | 18.330  | 0.007962 | 0.005612 | 0.0158500 |
| 859575   | 5.4860  | 96.050  | 0.004444 | 0.016520 | 0.0226900 |
| 859711   | 3.1680  | 25.440  | 0.017210 | 0.093680 | 0.0567100 |
| 859717   | 3.7050  | 69.470  | 0.005820 | 0.056160 | 0.0425200 |
| 859983   | 1.9570  | 23.350  | 0.004717 | 0.020650 | 0.0175900 |
| 8610175  | 1.7400  | 19.680  | 0.004854 | 0.018190 | 0.0182600 |
| 8610404  | 5.0290  | 79.250  | 0.010820 | 0.022030 | 0.0350000 |
| 8610629  | 2.6520  | 32.650  | 0.013400 | 0.028390 | 0.0116200 |
| 8610637  | 6.3110  | 134.800 | 0.007940 | 0.058390 | 0.0465800 |
| 8610862  | 8.6490  | 116.400 | 0.010380 | 0.068350 | 0.1091000 |
| 8610908  | 1.7780  | 20.350  | 0.005293 | 0.016610 | 0.0207100 |
| 861103   | 2.0770  | 24.620  | 0.010370 | 0.017060 | 0.0258600 |
| 8611161  | 1.5350  | 12.960  | 0.006794 | 0.035750 | 0.0398000 |
| 8611555  | 7.3820  | 120.000 | 0.008166 | 0.056930 | 0.0573000 |
| 8611792  | 5.8010  | 67.100  | 0.007545 | 0.060500 | 0.0213400 |
| 8612080  | 1.4410  | 16.160  | 0.005969 | 0.018120 | 0.0200700 |
| 8612399  | 4.7820  | 80.600  | 0.006471 | 0.016490 | 0.0280600 |
| 86135501 | 3.3010  | 38.870  | 0.009369 | 0.029830 | 0.0537100 |
| 86135502 | 3.0550  | 57.650  | 0.003872 | 0.018420 | 0.0371000 |
| 861597   | 2.2030  | 20.950  | 0.007112 | 0.024930 | 0.0270300 |
| 861598   | 3.8140  | 42.760  | 0.005508 | 0.044120 | 0.0443600 |
| 861648   | 2.2790  | 33.760  | 0.004868 | 0.018180 | 0.0112100 |
| 861799   | 2.0750  | 29.440  | 0.009882 | 0.024440 | 0.0453100 |
| 861853   | 2.7010  | 36.350  | 0.004481 | 0.010380 | 0.0135800 |
| 862009   | 2.0990  | 25.220  | 0.005884 | 0.014910 | 0.0187200 |
| 862028   | 3.7060  | 47.140  | 0.009250 | 0.037150 | 0.0486700 |
| 86208    | 4.5540  | 87.870  | 0.006016 | 0.034820 | 0.0423200 |
| 86211    | 2.4100  | 24.440  | 0.005433 | 0.011790 | 0.0113100 |
| 862261   | 2.1320  | 20.050  | 0.011130 | 0.014630 | 0.0053080 |
| 862485   | 1.4750  | 15.750  | 0.006153 | 0.013300 | 0.0169300 |
| 862548   | 2.3760  | 26.850  | 0.008005 | 0.028950 | 0.0332100 |
| 862717   | 2.8610  | 43.140  | 0.005872 | 0.014880 | 0.0264700 |
| 862722   | 1.5530  | 9.833   | 0.010190 | 0.010840 | 0.0000000 |
| 862965   | 1.1830  | 14.680  | 0.005080 | 0.006098 | 0.0106900 |
| 862980   | 1.5280  | 11.770  | 0.009058 | 0.021960 | 0.0302900 |
| 862989   | 2.3020  | 23.130  | 0.007595 | 0.022190 | 0.0288000 |
| 863030   | 2.4100  | 34.660  | 0.007162 | 0.029120 | 0.0547300 |
| 863031   | 2.1550  | 20.620  | 0.008540 | 0.023100 | 0.0294500 |
| 863270   | 0.8484  | 9.227   | 0.003457 | 0.010470 | 0.0116700 |
| 86355    | 10.0500 | 170.000 | 0.006515 | 0.086680 | 0.1040000 |
| 864018   | 1.5970  | 16.410  | 0.009113 | 0.015570 | 0.0244300 |
| 864033   | 2.7470  | 22.870  | 0.013850 | 0.029320 | 0.0272200 |
| 86408    | 2.7110  | 20.480  | 0.012910 | 0.040420 | 0.0510100 |
| 86409    | 3.3990  | 29.250  | 0.005298 | 0.074460 | 0.1435000 |
| 864292   | 2.0410  | 19.910  | 0.011880 | 0.037470 | 0.0459100 |
| 864496   | 1.3540  | 8.966   | 0.008261 | 0.022130 | 0.0325900 |
| 864685   | 2.0000  | 24.790  | 0.007803 | 0.025070 | 0.0183500 |
| 864726   | 3.2800  | 16.940  | 0.018350 | 0.067600 | 0.0926300 |
|          |         |         |          |          |           |

| 864729    | 2.9890 41.180  | 0.006985 | 0.025630 | 0.0301100 |
|-----------|----------------|----------|----------|-----------|
| 864877    | 3.5980 58.630  | 0.008699 | 0.039760 | 0.0595000 |
| 865128    | 3.3570 54.040  | 0.004024 | 0.008422 | 0.0229100 |
| 865137    | 1.1030 10.500  | 0.006040 | 0.015290 | 0.0151400 |
| 86517     | 4.8950 90.470  | 0.008102 | 0.021010 | 0.0334200 |
| 865423    | 9.8070 233.000 | 0.023330 | 0.098060 | 0.1278000 |
| 865432    | 1.9280 24.190  | 0.003818 | 0.012760 | 0.0288200 |
| 865468    | 1.2230 14.660  | 0.005919 | 0.032700 | 0.0495700 |
| 86561     | 1.4950 17.910  | 0.004599 | 0.009169 | 0.0091270 |
| 866083    | 1.7520 19.830  | 0.004088 | 0.011740 | 0.0179600 |
| 866203    | 5.2160 81.230  | 0.004428 | 0.027310 | 0.0404000 |
| 866458    | 2.7960 39.840  | 0.009006 | 0.041850 | 0.0320400 |
| 866674    | 2.7650 63.330  | 0.005033 | 0.031790 | 0.0475500 |
| 866714    | 1.9730 15.240  | 0.006773 | 0.024560 | 0.0101800 |
| 8670      | 3.0940 48.310  | 0.006240 | 0.014840 | 0.0281300 |
| 86730502  | 2.8440 43.680  | 0.004877 | 0.019520 | 0.0221900 |
| 867387    | 1.9720 27.940  | 0.005217 | 0.015150 | 0.0167800 |
| 867739    | 3.7660 68.350  | 0.006001 | 0.014220 | 0.0285500 |
| 868202    | 1.4570 19.870  | 0.007499 | 0.012020 | 0.0233200 |
| 868223    | 3.2580 34.370  | 0.006578 | 0.013800 | 0.0266200 |
| 868682    | 1.1430 12.670  | 0.005133 | 0.015210 | 0.0143400 |
| 868826    | 8.4190 101.900 | 0.010000 | 0.034800 | 0.0657700 |
| 868871    | 1.8510 26.330  | 0.011270 | 0.034980 | 0.0218700 |
| 868999    | 1.2180 12.260  | 0.006040 | 0.005656 | 0.0000000 |
| 869104    | 4.5330 74.080  | 0.006770 | 0.019380 | 0.0306700 |
| 869218    | 1.9370 21.380  | 0.006664 | 0.017350 | 0.0115800 |
| 869224    | 1.6890 16.640  | 0.005324 | 0.015630 | 0.0151000 |
| 869254    | 1.8060 17.740  | 0.006547 | 0.017810 | 0.0201800 |
| 869476    | 3.0210 25.030  | 0.010170 | 0.047410 | 0.0278900 |
| 869691    | 2.2810 24.720  | 0.005427 | 0.036330 | 0.0464900 |
| 86973701  | 3.2710 39.430  | 0.005790 | 0.048770 | 0.0530300 |
| 86973702  | 2.1200 21.200  | 0.005706 | 0.022970 | 0.0311400 |
| 869931    | 1.5730 21.470  | 0.002838 | 0.015920 | 0.0178000 |
| 871001501 | 2.8730 34.780  | 0.007017 | 0.011420 | 0.0194900 |
| 871001502 | 1.2430 10.210  | 0.012430 | 0.054160 | 0.0775300 |
| 8710441   | 4.0730 49.850  | 0.010970 | 0.095860 | 0.3960000 |
| 87106     | 1.4290 15.480  | 0.009019 | 0.008985 | 0.0119600 |
| 8711002   | 1.8190 22.790  | 0.008584 | 0.020170 | 0.0304700 |
| 8711003   | 1.4840 16.510  | 0.005518 | 0.015620 | 0.0199400 |
| 8711202   | 5.5400 93.910  | 0.009037 | 0.049540 | 0.0520600 |
| 8711216   | 3.4790 46.610  | 0.003443 | 0.026610 | 0.0305600 |
| 871122    | 1.1710 13.250  | 0.005528 | 0.009789 | 0.0083420 |
| 871149    | 1.8080 18.540  | 0.006142 | 0.006134 | 0.0018350 |
| 8711561   | 3.9260 38.340  | 0.009433 | 0.024050 | 0.0416700 |
| 8711803   | 6.9710 119.300 | 0.009406 | 0.030550 | 0.0434400 |
| 871201    | 4.7920 97.070  | 0.004057 | 0.022770 | 0.0402900 |
| 8712064   | 1.9550 21.550  | 0.011340 | 0.031750 | 0.0312500 |
| 8712289   | 4.6030 97.850  | 0.004910 | 0.025440 | 0.0282200 |
| 8712291   | 1.2860 16.640  | 0.003634 | 0.007983 | 0.0082680 |
| 87127     | 1.1260 11.480  | 0.007809 | 0.009816 | 0.0109900 |
| 8712729   | 4.1290 67.340  | 0.006123 | 0.024700 | 0.0262600 |
|           |                |          |          |           |

| 8712766   | 7.3370  | 122.300 | 0.006174 | 0.036340 | 0.0464400 |
|-----------|---------|---------|----------|----------|-----------|
| 8712853   | 1.8930  | 24.280  | 0.005080 | 0.013700 | 0.0072760 |
| 87139402  | 1.6700  | 17.430  | 0.008045 | 0.011800 | 0.0168300 |
| 87163     | 3.1420  | 43.400  | 0.006003 | 0.010630 | 0.0215100 |
| 87164     | 2.8050  | 44.640  | 0.005393 | 0.023210 | 0.0430300 |
| 871641    | 1.3770  | 19.080  | 0.014960 | 0.021210 | 0.0145300 |
| 871642    | 2.1550  | 21.980  | 0.008713 | 0.010170 | 0.0000000 |
| 872113    | 1.4350  | 11.360  | 0.009172 | 0.008007 | 0.0000000 |
| 872608    | 3.1320  | 27.480  | 0.012860 | 0.088080 | 0.1197000 |
| 87281702  | 2.4820  | 31.590  | 0.006627 | 0.040940 | 0.0537100 |
| 873357    | 1.1010  | 14.340  | 0.003418 | 0.002252 | 0.0015950 |
| 873586    | 1.7780  | 21.790  | 0.008534 | 0.006364 | 0.0061800 |
| 873592    | 5.8200  | 128.700 | 0.004631 | 0.025370 | 0.0310900 |
| 873593    | 4.4140  | 81.460  | 0.004253 | 0.047590 | 0.0387200 |
| 873701    | 2.4060  | 40.980  | 0.004626 | 0.022630 | 0.0195400 |
| 873843    | 1.9020  | 22.770  | 0.007356 | 0.037280 | 0.0591500 |
| 873885    | 1.3440  | 19.530  | 0.003290 | 0.013950 | 0.0177400 |
| 874158    | 2.6800  | 26.430  | 0.014390 | 0.012000 | 0.0015970 |
| 874217    | 1.8170  | 28.920  | 0.002866 | 0.009181 | 0.0141200 |
| 874373    | 1.7420  | 17.860  | 0.006905 | 0.008704 | 0.0197800 |
| 874662    | 1.0110  | 14.470  | 0.007831 | 0.008776 | 0.0155600 |
| 874839    | 1.6870  | 18.320  | 0.005996 | 0.022120 | 0.0211700 |
| 874858    | 2.1120  | 31.720  | 0.007970 | 0.135400 | 0.1166000 |
| 875093    | 5.1180  | 53.650  | 0.004571 | 0.017900 | 0.0217600 |
| 875099    | 2.2300  | 21.690  | 0.001713 | 0.006736 | 0.0000000 |
| 875263    | 2.6420  | 34.440  | 0.009098 | 0.038450 | 0.0376300 |
| 87556202  | 3.5910  | 25.200  | 0.008081 | 0.051220 | 0.0555100 |
| 875878    | 1.4930  | 15.750  | 0.005298 | 0.015870 | 0.0232100 |
| 875938    | 4.9060  | 49.700  | 0.013800 | 0.033480 | 0.0466500 |
| 877159    | 4.3120  | 76.360  | 0.005530 | 0.052960 | 0.0611000 |
| 877486    | 3.8330  | 54.220  | 0.005524 | 0.036980 | 0.0270600 |
| 877500    | 1.4460  | 19.420  | 0.004044 | 0.015970 | 0.0200000 |
| 877501    | 2.3080  | 27.240  | 0.007514 | 0.017790 | 0.0140100 |
| 877989    | 3.0880  | 40.730  | 0.006090 | 0.025690 | 0.0271300 |
| 878796    | 4.6670  | 83.160  | 0.009327 | 0.051210 | 0.0895800 |
| 87880     | 3.9090  | 52.720  | 0.008824 | 0.031080 | 0.0311200 |
| 87930     | 2.4970  | 30.290  | 0.006953 | 0.019110 | 0.0270100 |
| 879523    | 1.9740  | 26.440  | 0.005472 | 0.019190 | 0.0203900 |
| 879804    | 1.5170  | 12.330  | 0.009719 | 0.012490 | 0.0079750 |
| 879830    | 4.1060  | 68.460  | 0.005038 | 0.015030 | 0.0194600 |
| 8810158   | 1.4910  | 15.090  | 0.005251 | 0.030410 | 0.0252600 |
| 8810436   | 1.5250  | 20.000  | 0.004291 | 0.012360 | 0.0184100 |
| 881046502 | 7.0290  | 111.700 | 0.008124 | 0.036110 | 0.0548900 |
| 8810528   | 1.4440  | 17.120  | 0.005517 | 0.017270 | 0.0204500 |
| 8810703   | 21.9800 | 525.600 | 0.013450 | 0.027720 | 0.0638900 |
| 881094802 | 3.7670  | 58.530  | 0.031130 | 0.085550 | 0.1438000 |
| 8810955   | 3.5340  | 31.000  | 0.010880 | 0.037100 | 0.0368800 |
| 8810987   | 1.9330  | 22.690  | 0.005960 | 0.034380 | 0.0390900 |
| 8811523   | 2.0870  | 21.460  | 0.008872 | 0.041920 | 0.0594600 |
| 8811779   | 2.7470  | 22.790  | 0.004680 | 0.031200 | 0.0577400 |
| 8811842   | 6.4870  | 124.400 | 0.006804 | 0.031690 | 0.0344600 |
|           |         |         |          |          |           |

| 88119002 | 4.7220 109.900  | 0.005539                   | 0.026440 | 0.0266400 |
|----------|-----------------|----------------------------|----------|-----------|
| 8812816  | 1.3910 17.400   | 0.004133                   | 0.016950 | 0.0165200 |
| 8812818  | 2.0110 21.030   | 0.005851                   | 0.023140 | 0.0254400 |
| 8812844  | 1.6410 15.050   | 0.007899                   | 0.014000 | 0.0085340 |
| 8812877  | 2.2440 32.190   | 0.004766                   | 0.023740 | 0.0238400 |
| 8813129  | 2.0440 24.680   | 0.006032                   | 0.011040 | 0.0225900 |
| 88143502 | 3.7630 48.290   | 0.007089                   | 0.014280 | 0.0236000 |
| 88147101 | 1.2080 11.860   | 0.006513                   | 0.008061 | 0.0028170 |
| 88147102 | 2.2760 19.880   | 0.004119                   | 0.032070 | 0.0364400 |
| 88147202 | 1.4450 18.510   | 0.005169                   | 0.022940 | 0.0301600 |
| 881861   | 2.2570 25.130   | 0.006983                   | 0.038580 | 0.0468300 |
| 881972   | 2.1530 31.980   | 0.005532                   | 0.020080 | 0.0305500 |
| 88199202 | 1.0590 8.605    | 0.003653                   | 0.016470 | 0.0163300 |
| 88203002 | 1.4890 15.460   | 0.004359                   | 0.006813 | 0.0032230 |
| 88206102 | 3.7670 70.010   | 0.005020                   | 0.020620 | 0.0345700 |
| 882488   | 1.2150 12.640   | 0.011640                   | 0.010400 | 0.0118600 |
| 88249602 | 1.6670 22.070   | 0.007389                   | 0.013830 | 0.0073020 |
| 88299702 | 7.2470 155.800  | 0.006428                   | 0.028630 | 0.0449700 |
| 883263   | 5.1440 83.500   | 0.007959                   | 0.031330 | 0.0425700 |
| 883270   | 2.1050 29.960   | 0.006307                   | 0.028450 | 0.0385000 |
| 88330202 | 3.0020 49.000   | 0.004860                   | 0.027850 | 0.0260200 |
| 88350402 | 1.9960 27.190   | 0.006470                   | 0.012480 | 0.0181000 |
| 883539   | 0.7570 9.006    | 0.003265                   | 0.004930 | 0.0064930 |
| 883852   | 2.3690 16.390   | 0.006663                   | 0.059140 | 0.0888000 |
| 88411702 | 2.8290 39.930   | 0.004351                   | 0.026670 | 0.0337100 |
| 884180   | 4.0370 60.410   | 0.010610                   | 0.032520 | 0.0391500 |
| 884437   | 2.5170 23.220   | 0.016040                   | 0.013860 | 0.0186500 |
| 884448   | 0.8730 13.560   | 0.006261                   | 0.015690 | 0.0307900 |
| 884626   | 2.3930 16.350   | 0.005501                   | 0.055920 | 0.0815800 |
| 88466802 | 1.4970 16.640   | 0.007189                   | 0.010350 | 0.0108100 |
| 884689   | 1.6860 18.620   | 0.006662                   | 0.012280 | 0.0210500 |
| 884948   | 6.3720 137.900  | 0.005283                   | 0.039080 | 0.0951800 |
| 88518501 | 2.6840 26.990   | 0.006380                   | 0.010650 | 0.0124500 |
| 885429   | 4.1150 92.810   | 0.008482                   | 0.050570 | 0.0680000 |
| 8860702  | 2.1930 33.630   | 0.004757                   | 0.015030 | 0.0233200 |
| 886226   | 3.7970 71.000   | 0.004649                   | 0.018000 | 0.0274900 |
| 886452   | 2.5630 35.740   | 0.006351                   | 0.026790 | 0.0311900 |
| 88649001 | 7.1580 106.400  | 0.006356                   | 0.047650 | 0.0386300 |
| 886776   | 4.0610 59.460   | 0.010150                   | 0.045880 | 0.0498300 |
| 887181   | 10.1200 138.500 | 0.012360                   | 0.059950 | 0.0823200 |
| 88725602 | 1.9030 23.020   | 0.005345                   | 0.025560 | 0.0288900 |
| 887549   | 2.5870 52.340   | 0.005043                   | 0.015780 | 0.0211700 |
| 888264   | 2.5770 44.410   | 0.005726                   | 0.011060 | 0.0124600 |
| 888570   | 6.1460 90.940   | 0.006717                   | 0.059810 | 0.0463800 |
| 889403   | 1.5340 22.180   | 0.002826                   | 0.009105 | 0.0131100 |
| 889719   | 2.8190 45.420   | 0.004493                   | 0.012060 | 0.0204800 |
| 88995002 | 7.7490 199.700  | 0.004551                   | 0.014780 | 0.0214300 |
| 8910251  | 3.4300 27.100   | 0.007470                   | 0.035810 | 0.0335400 |
| 8910499  | 2.5910 26.760   | 0.005436                   | 0.024060 | 0.0309900 |
| 8910506  | 1.5460 18.240   | 0.005518                   | 0.021780 | 0.0258900 |
| 8910720  | 2.2300 20.740   | 0.008902                   | 0.047850 | 0.0733900 |
| -        |                 | · · · · · <del>· · -</del> |          |           |

| 8910721  | 0.8439 | 10.770  | 0.003492 | 0.003710 | 0.0048260 |
|----------|--------|---------|----------|----------|-----------|
| 8910748  | 1.1640 | 13.170  | 0.006472 | 0.011220 | 0.0128200 |
| 8910988  | 8.8670 | 156.800 | 0.005687 | 0.049600 | 0.0632900 |
| 8910996  | 1.7500 | 16.390  | 0.013800 | 0.010670 | 0.0083470 |
| 8911163  | 2.7650 | 45.810  | 0.005444 | 0.011690 | 0.0162200 |
| 8911164  | 4.0210 | 48.840  | 0.014180 | 0.014890 | 0.0126700 |
| 8911230  | 1.5650 | 17.090  | 0.008426 | 0.008998 | 0.0014870 |
| 8911670  | 2.3630 | 36.740  | 0.007571 | 0.011140 | 0.0262300 |
| 8911800  | 1.6830 | 22.220  | 0.003741 | 0.005274 | 0.0106500 |
| 8911834  | 1.8300 | 19.410  | 0.004235 | 0.015410 | 0.0145700 |
| 8912049  | 4.3210 | 69.650  | 0.007392 | 0.024490 | 0.0398800 |
| 8912055  | 3.7170 | 37.830  | 0.008034 | 0.014420 | 0.0151400 |
| 89122    | 2.9030 | 53.160  | 0.005654 | 0.021990 | 0.0305900 |
| 8912280  | 2.4640 | 28.090  | 0.004563 | 0.034810 | 0.0387200 |
| 8912284  | 2.3470 | 23.290  | 0.006418 | 0.039610 | 0.0792700 |
| 8912521  | 1.7210 | 22.450  | 0.006383 | 0.008008 | 0.0018600 |
| 8912909  | 3.1980 | 21.910  | 0.006719 | 0.051560 | 0.0438700 |
| 8913     | 1.1150 | 12.680  | 0.004731 | 0.013450 | 0.0165200 |
| 8913049  | 2.8770 | 34.680  | 0.015740 | 0.082620 | 0.0809900 |
| 89143601 | 1.9540 | 17.490  | 0.006538 | 0.013950 | 0.0137600 |
| 89143602 | 4.3600 | 77.110  | 0.007762 | 0.106400 | 0.0996000 |
| 8915     | 2.1710 | 24.870  | 0.005332 | 0.021150 | 0.0153600 |
| 891670   | 1.2310 | 17.670  | 0.008725 | 0.020030 | 0.0233500 |
| 891703   | 1.2340 | 13.880  | 0.007595 | 0.015000 | 0.0141200 |
| 891716   | 1.3400 | 13.380  | 0.006064 | 0.011800 | 0.0065640 |
| 891923   | 1.4790 | 17.740  | 0.004348 | 0.008153 | 0.0042720 |
| 891936   | 1.2670 | 11.090  | 0.003478 | 0.012210 | 0.0107200 |
| 892189   | 4.1380 | 49.110  | 0.005596 | 0.010050 | 0.0127200 |
| 892214   | 1.6610 | 20.560  | 0.003169 | 0.013770 | 0.0107900 |
| 892399   | 2.2890 | 20.560  | 0.010170 | 0.014430 | 0.0186100 |
| 892438   | 7.2370 | 133.000 | 0.006056 | 0.032030 | 0.0563800 |
| 892604   | 2.5790 | 28.320  | 0.006530 | 0.033690 | 0.0471200 |
| 89263202 | 7.8040 | 130.800 | 0.007964 | 0.047320 | 0.0764900 |
| 892657   | 1.0350 | 10.080  | 0.008875 | 0.009362 | 0.0180800 |
| 89296    | 2.4750 | 22.930  | 0.006652 | 0.026520 | 0.0222100 |
| 893061   | 1.9610 | 18.210  | 0.006122 | 0.023370 | 0.0159600 |
| 89344    | 1.2040 | 15.500  | 0.003632 | 0.007861 | 0.0011280 |
| 89346    | 1.1440 | 9.789   | 0.007389 | 0.004883 | 0.0036810 |
| 893526   | 1.5090 | 20.390  | 0.003338 | 0.003746 | 0.0020300 |
| 893548   | 2.5670 | 33.010  | 0.004148 | 0.004711 | 0.0028310 |
| 893783   | 1.1090 | 11.280  | 0.006064 | 0.009110 | 0.0104200 |
| 89382601 | 1.9540 | 28.900  | 0.005031 | 0.006021 | 0.0053250 |
| 89382602 | 2.3460 | 25.180  | 0.006494 | 0.027680 | 0.0313700 |
| 893988   | 1.1070 | 9.438   | 0.004124 | 0.013400 | 0.0100300 |
| 894047   | 2.2220 | 17.810  | 0.020750 | 0.014030 | 0.0000000 |
| 894089   | 1.0470 | 12.690  | 0.004928 | 0.003012 | 0.0026200 |
| 894090   | 1.4380 | 15.820  | 0.005343 | 0.005767 | 0.0112300 |
| 894326   | 2.5470 | 48.900  | 0.004821 | 0.016590 | 0.0240800 |
| 894329   | 3.7690 | 24.200  | 0.009845 | 0.065900 | 0.1027000 |
| 894335   | 2.4870 | 31.160  | 0.007357 | 0.010790 | 0.0099590 |
| 894604   | 1.5970 | 22.680  | 0.010490 | 0.042650 | 0.0400400 |
|          |        |         |          |          |           |

| 894618    | 3.8680 74.850  | 0.004536 | 0.013760 | 0.0264500 |
|-----------|----------------|----------|----------|-----------|
| 894855    | 1.6140 16.570  | 0.005910 | 0.020160 | 0.0190200 |
| 895100    | 4.0120 69.060  | 0.005485 | 0.024310 | 0.0319000 |
| 89511501  | 1.9590 19.010  | 0.005403 | 0.014180 | 0.0105100 |
| 89511502  | 1.5660 17.610  | 0.006809 | 0.009514 | 0.0132900 |
| 89524     | 1.5580 23.920  | 0.006692 | 0.011320 | 0.0057170 |
| 895299    | 1.4660 16.970  | 0.004729 | 0.006887 | 0.0011840 |
| 8953902   | 3.2700 44.410  | 0.006697 | 0.020830 | 0.0324800 |
| 895633    | 2.9610 57.720  | 0.010560 | 0.037560 | 0.0583900 |
| 896839    | 2.6290 33.270  | 0.005839 | 0.032450 | 0.0371500 |
| 896864    | 2.4650 20.650  | 0.005727 | 0.032550 | 0.0439300 |
| 897132    | 1.9590 19.620  | 0.012890 | 0.011040 | 0.0032970 |
| 897137    | 1.5290 15.070  | 0.005617 | 0.007124 | 0.0009737 |
| 897374    | 1.1990 13.240  | 0.007881 | 0.008432 | 0.0070040 |
| 89742801  | 6.0760 87.170  | 0.006455 | 0.017970 | 0.0450200 |
| 897604    | 0.9219 14.410  | 0.005231 | 0.023050 | 0.0311300 |
| 897630    | 4.3690 88.250  | 0.007548 | 0.038970 | 0.0391400 |
| 897880    | 1.7780 16.850  | 0.007803 | 0.014490 | 0.0169000 |
| 89812     | 6.4620 164.100 | 0.006292 | 0.019710 | 0.0358200 |
| 89813     | 2.6770 32.140  | 0.004577 | 0.030530 | 0.0384000 |
| 898143    | 1.4290 12.070  | 0.005954 | 0.034710 | 0.0502800 |
| 89827     | 1.3550 10.800  | 0.007416 | 0.018770 | 0.0275800 |
| 898431    | 5.1730 67.660  | 0.004756 | 0.033680 | 0.0434500 |
| 89864002  | 2.3550 24.530  | 0.009536 | 0.010970 | 0.0165100 |
| 898677    | 2.3940 19.330  | 0.017360 | 0.046710 | 0.0261100 |
| 898678    | 1.5590 18.020  | 0.007180 | 0.010960 | 0.0058320 |
| 89869     | 2.5370 29.060  | 0.004732 | 0.015060 | 0.0185500 |
| 898690    | 1.0900 12.250  | 0.009191 | 0.008548 | 0.0094000 |
| 899147    | 2.4550 26.650  | 0.005800 | 0.024170 | 0.0078160 |
| 899187    | 2.2250 26.030  | 0.006583 | 0.006991 | 0.0059490 |
| 899667    | 3.4770 51.220  | 0.009329 | 0.065590 | 0.0995300 |
| 899987    | 7.2220 153.100 | 0.006369 | 0.042430 | 0.0426600 |
| 9010018   | 4.1740 63.370  | 0.010520 | 0.024310 | 0.0491200 |
| 901011    | 3.3300 28.840  | 0.005541 | 0.033870 | 0.0450500 |
| 9010258   | 3.2120 27.490  | 0.009853 | 0.042350 | 0.0627100 |
| 9010259   | 2.5900 21.570  | 0.007807 | 0.039320 | 0.0511200 |
| 901028    | 1.7370 20.740  | 0.005638 | 0.007939 | 0.0052540 |
| 9010333   | 4.2770 30.180  | 0.010930 | 0.028990 | 0.0321400 |
| 901034301 | 3.2670 30.480  | 0.006836 | 0.008982 | 0.0234800 |
| 901034302 | 2.3290 28.300  | 0.005783 | 0.004693 | 0.0007929 |
| 901041    | 2.0280 20.980  | 0.005498 | 0.020450 | 0.0179500 |
| 9010598   | 1.5350 17.260  | 0.005608 | 0.016460 | 0.0152900 |
| 9010872   | 2.3440 33.580  | 0.007257 | 0.018050 | 0.0183200 |
| 9010877   | 1.0360 13.220  | 0.004394 | 0.012500 | 0.0145100 |
| 901088    | 4.2180 72.440  | 0.006208 | 0.019060 | 0.0237500 |
| 9011494   | 7.1280 103.600 | 0.008439 | 0.046740 | 0.0590400 |
| 9011495   | 1.8740 18.570  | 0.005833 | 0.013880 | 0.0200000 |
| 9011971   | 7.7330 224.100 | 0.005568 | 0.011120 | 0.0209600 |
| 9012000   | 7.5610 130.200 | 0.003978 | 0.028210 | 0.0357600 |
| 9012315   | 2.9720 45.500  | 0.005635 | 0.039170 | 0.0607200 |
| 9012568   | 1.3380 17.720  | 0.005012 | 0.014850 | 0.0155100 |
|           |                |          |          |           |

| 9012795  | 2.4070 | 39.060  | 0.004426 | 0.026750 | 0.0343700 |
|----------|--------|---------|----------|----------|-----------|
| 901288   | 4.1190 | 77.020  | 0.006211 | 0.018950 | 0.0268100 |
| 9013005  | 1.3720 | 14.000  | 0.004230 | 0.015870 | 0.0116900 |
| 901303   | 1.3490 | 14.910  | 0.004510 | 0.018120 | 0.0195100 |
| 901315   | 2.3630 | 7.228   | 0.008499 | 0.076430 | 0.1535000 |
| 9013579  | 1.4000 | 14.910  | 0.004942 | 0.012030 | 0.0075080 |
| 9013594  | 1.1010 | 11.350  | 0.005212 | 0.029840 | 0.0244300 |
| 9013838  | 1.7190 | 13.990  | 0.007405 | 0.045490 | 0.0458800 |
| 901549   | 1.8090 | 16.040  | 0.006635 | 0.017770 | 0.0210100 |
| 901836   | 1.2810 | 11.680  | 0.005296 | 0.019030 | 0.0172300 |
| 90250    | 1.7780 | 9.549   | 0.005042 | 0.045600 | 0.0430500 |
| 90251    | 2.1170 | 19.200  | 0.006715 | 0.037050 | 0.0475700 |
| 902727   | 1.5920 | 15.260  | 0.004271 | 0.020730 | 0.0282800 |
| 90291    | 2.9140 | 33.010  | 0.008312 | 0.017420 | 0.0338900 |
| 902975   | 2.0970 | 19.960  | 0.004405 | 0.030260 | 0.0434400 |
| 902976   | 1.7090 | 23.120  | 0.003728 | 0.014150 | 0.0198800 |
| 903011   | 2.5690 | 22.970  | 0.010380 | 0.066690 | 0.0947200 |
| 90312    | 5.3830 | 70.100  | 0.011240 | 0.040970 | 0.0746900 |
| 90317302 | 1.3480 | 11.880  | 0.005682 | 0.013650 | 0.0084960 |
| 903483   | 3.1670 | 28.850  | 0.015820 | 0.019660 | 0.0000000 |
| 903507   | 4.6750 | 66.910  | 0.007269 | 0.029280 | 0.0497200 |
| 903516   | 4.1580 | 80.990  | 0.005215 | 0.037260 | 0.0471800 |
| 903554   | 1.8690 | 22.220  | 0.008146 | 0.016310 | 0.0184300 |
| 903811   | 1.2370 | 12.670  | 0.005371 | 0.012730 | 0.0113200 |
| 90401601 | 1.5130 | 19.290  | 0.005442 | 0.019570 | 0.0330400 |
| 90401602 | 2.6680 | 30.570  | 0.005421 | 0.034770 | 0.0454500 |
| 904302   | 1.2630 | 12.980  | 0.004259 | 0.014690 | 0.0194000 |
| 904357   | 2.2250 | 25.060  | 0.005463 | 0.019640 | 0.0207900 |
| 90439701 | 3.1230 | 41.510  | 0.007159 | 0.037180 | 0.0616500 |
| 904647   | 1.6490 | 18.950  | 0.006175 | 0.012040 | 0.0137600 |
| 904689   | 2.3970 | 20.210  | 0.003629 | 0.037130 | 0.0345200 |
| 9047     | 0.9975 | 11.360  | 0.002887 | 0.012850 | 0.0161300 |
| 904969   | 2.6020 | 30.150  | 0.007702 | 0.008491 | 0.0130700 |
| 904971   | 3.0180 | 25.780  | 0.009519 | 0.021340 | 0.0199000 |
| 905189   | 1.7290 | 21.830  | 0.003958 | 0.012460 | 0.0183100 |
| 905190   | 2.5520 | 41.240  | 0.006011 | 0.044800 | 0.0517500 |
| 90524101 | 3.0610 | 49.810  | 0.007231 | 0.027720 | 0.0250900 |
| 905501   | 2.0790 | 25.790  | 0.005888 | 0.023100 | 0.0205900 |
| 905502   | 1.3590 | 13.660  | 0.005391 | 0.009947 | 0.0116300 |
| 905520   | 1.3420 | 13.540  | 0.005158 | 0.009355 | 0.0105600 |
| 905539   | 1.1740 | 6.802   | 0.005515 | 0.026740 | 0.0373500 |
| 905557   | 2.3100 | 28.510  | 0.004449 | 0.028080 | 0.0331200 |
| 905680   | 3.0430 | 45.380  | 0.006831 | 0.014270 | 0.0248900 |
| 905686   | 1.9300 | 19.530  | 0.009895 | 0.030530 | 0.0163000 |
| 905978   | 2.7590 | 25.170  | 0.014740 | 0.016740 | 0.0136700 |
| 90602302 |        | 176.500 | 0.008198 | 0.038890 | 0.0449300 |
| 906024   | 1.5270 | 17.370  | 0.006131 | 0.012630 | 0.0090750 |
| 906290   | 1.9680 | 18.990  | 0.006908 | 0.009442 | 0.0069720 |
| 906539   | 2.2060 | 20.300  | 0.007278 | 0.020470 | 0.0444700 |
| 906564   | 4.7950 | 49.450  | 0.009976 | 0.052440 | 0.0527800 |
| 906616   | 1.6670 | 15.890  | 0.005884 | 0.020050 | 0.0263100 |
|          |        | -       |          |          |           |

| 906878    | 1.8040 19.360   | 0.003980 | 0.028090 | 0.0366900 |
|-----------|-----------------|----------|----------|-----------|
| 907145    | 4.6070 43.520   | 0.013070 | 0.018850 | 0.0060210 |
| 907367    | 1.1840 11.600   | 0.005724 | 0.005697 | 0.0020740 |
| 907409    | 2.5640 20.770   | 0.007364 | 0.038670 | 0.0526300 |
| 90745     | 2.2400 20.200   | 0.006543 | 0.021480 | 0.0299100 |
| 90769601  | 0.9680 9.704    | 0.005883 | 0.006263 | 0.0093980 |
| 90769602  | 2.1090 23.240   | 0.007337 | 0.011740 | 0.0053830 |
| 907914    | 3.4660 24.190   | 0.006965 | 0.062130 | 0.0792600 |
| 907915    | 2.2040 15.430   | 0.010000 | 0.032950 | 0.0486100 |
| 908194    | 3.0080 52.490   | 0.009087 | 0.027150 | 0.0554600 |
| 908445    | 4.4930 103.900  | 0.008074 | 0.040880 | 0.0532100 |
| 908469    | 1.6120 23.920   | 0.005756 | 0.016650 | 0.0146100 |
| 908489    | 1.6020 18.850   | 0.005314 | 0.017910 | 0.0218500 |
| 908916    | 2.5970 26.500   | 0.005910 | 0.013620 | 0.0070660 |
| 909220    | 2.6440 32.740   | 0.007976 | 0.012950 | 0.0160800 |
| 909231    | 2.3310 29.630   | 0.005836 | 0.010950 | 0.0058120 |
| 909410    | 1.6060 19.250   | 0.004837 | 0.009238 | 0.0092130 |
| 909411    | 2.8060 18.150   | 0.008565 | 0.046380 | 0.0643000 |
| 909445    | 3.2830 58.380   | 0.008109 | 0.043080 | 0.0494200 |
| 90944601  | 2.2350 29.340   | 0.006432 | 0.011560 | 0.0077410 |
| 909777    | 1.2770 13.120   | 0.010720 | 0.013310 | 0.0199300 |
| 9110127   | 1.9210 35.770   | 0.004117 | 0.015600 | 0.0297500 |
| 9110720   | 1.8650 19.390   | 0.008320 | 0.020250 | 0.0233400 |
| 9110732   | 2.8730 43.950   | 0.004714 | 0.020150 | 0.0369700 |
| 9110944   | 1.4820 19.750   | 0.004796 | 0.011710 | 0.0175800 |
| 911150    | 1.9940 23.040   | 0.004147 | 0.020480 | 0.0337900 |
| 911157302 | 4.5420 81.890   | 0.005467 | 0.020750 | 0.0318500 |
| 9111596   | 1.9550 20.240   | 0.006854 | 0.060630 | 0.0666300 |
| 9111805   | 2.9160 56.180   | 0.011900 | 0.019290 | 0.0490700 |
| 9111843   | 1.5160 13.860   | 0.007334 | 0.025890 | 0.0294100 |
| 911201    | 2.1430 25.700   | 0.006133 | 0.012510 | 0.0161500 |
| 911202    | 1.1160 13.320   | 0.003888 | 0.008539 | 0.0125600 |
| 9112085   | 2.2870 28.930   | 0.005841 | 0.012460 | 0.0079360 |
| 9112366   | 2.1500 23.130   | 0.009861 | 0.024180 | 0.0427500 |
| 9112367   | 1.3140 17.580   | 0.005768 | 0.008082 | 0.0151000 |
| 9112594   | 1.6570 21.190   | 0.006054 | 0.008974 | 0.0056810 |
| 9112712   | 1.2430 11.280   | 0.006588 | 0.012700 | 0.0145000 |
| 911296201 | 6.0510 115.200  | 0.008740 | 0.022190 | 0.0272100 |
| 911296202 | 18.6500 542.200 | 0.007650 | 0.053740 | 0.0805500 |
| 9113156   | 1.7270 20.520   | 0.005356 | 0.016790 | 0.0197100 |
| 911320501 | 1.3030 12.890   | 0.006709 | 0.017010 | 0.0208000 |
| 911320502 | 1.2360 16.890   | 0.005969 | 0.014930 | 0.0156400 |
| 9113239   | 3.3690 23.810   | 0.004929 | 0.066570 | 0.0768300 |
| 9113455   | 2.3120 27.400   | 0.007295 | 0.031790 | 0.0461500 |
| 9113514   | 2.2750 20.980   | 0.010980 | 0.012570 | 0.0103100 |
| 9113538   | 5.8010 104.900  | 0.006766 | 0.070250 | 0.0659100 |
| 911366    | 3.0270 27.850   | 0.014590 | 0.032060 | 0.0496100 |
| 9113778   | 2.5690 22.730   | 0.007501 | 0.019890 | 0.0271400 |
| 9113816   | 4.0990 44.960   | 0.007517 | 0.015550 | 0.0146500 |
| 911384    | 1.8260 23.310   | 0.003271 | 0.017700 | 0.0231000 |
| 9113846   | 2.8840 35.130   | 0.007339 | 0.008243 | 0.0000000 |
|           |                 |          |          |           |

| 911391   | 1.3010    | 9.597  | 0.004474 | 0.030930 | 0.0275700 |
|----------|-----------|--------|----------|----------|-----------|
| 911408   | 1.1950 1  | L1.640 | 0.004873 | 0.017960 | 0.0331800 |
| 911654   | 2.7490 3  | 31.010 | 0.004107 | 0.032880 | 0.0282100 |
| 911673   | 1.3920 1  | L4.030 | 0.003308 | 0.013150 | 0.0099040 |
| 911685   | 1.5670 1  | L4.340 | 0.004957 | 0.021140 | 0.0415600 |
| 911916   | 3.0700 3  | 33.120 | 0.009197 | 0.054700 | 0.0807900 |
| 912193   | 1.6780 1  | 16.260 | 0.004911 | 0.016660 | 0.0139700 |
| 91227    | 2.0560 2  | 28.410 | 0.003704 | 0.010820 | 0.0153000 |
| 912519   | 1.1020 1  | 12.840 | 0.004450 | 0.014520 | 0.0133400 |
| 912558   | 1.5640 2  | 20.640 | 0.003245 | 0.008186 | 0.0169800 |
| 912600   | 1.1430 1  | L3.870 | 0.006034 | 0.018200 | 0.0333600 |
| 913063   | 5.0040 3  | 30.190 | 0.007234 | 0.074710 | 0.1114000 |
| 913102   | 1.4710 1  | 19.980 | 0.003535 | 0.013930 | 0.0180000 |
| 913505   | 3.6310 6  | 57.740 | 0.005288 | 0.028330 | 0.0425600 |
| 913512   | 2.5540 2  | 27.570 | 0.008998 | 0.012920 | 0.0185100 |
| 913535   | 1.7750 2  | 22.950 | 0.002667 | 0.014460 | 0.0142300 |
| 91376701 | 1.5770 1  | L8.040 | 0.005096 | 0.012050 | 0.0094100 |
| 91376702 | 3.1630 5  | 50.950 | 0.004369 | 0.008274 | 0.0115300 |
| 914062   | 5.3530 8  | 39.740 | 0.007997 | 0.027000 | 0.0373700 |
| 914101   | 2.1080 2  | 24.600 | 0.010390 | 0.010030 | 0.0064160 |
| 914102   | 2.3260 2  | 26.070 | 0.007802 | 0.020520 | 0.0134100 |
| 914333   | 1.5960 2  | 21.840 | 0.005415 | 0.013710 | 0.0215300 |
| 914366   | 1.6960 1  | 18.400 | 0.005704 | 0.025020 | 0.0263600 |
| 914580   | 1.2530 1  | 11.910 | 0.003796 | 0.013710 | 0.0134600 |
| 914769   | 4.8510 9  | 95.770 | 0.007974 | 0.032140 | 0.0443500 |
| 91485    |           | 75.090 | 0.006666 | 0.027910 | 0.0406200 |
| 914862   | 2.3040 3  | 34.840 | 0.004123 | 0.018190 | 0.0199600 |
| 91504    | 2.9740 3  | 39.050 | 0.009680 | 0.038560 | 0.0347600 |
| 91505    | 1.5660 1  | 18.490 | 0.009702 | 0.015670 | 0.0257500 |
| 915143   | 9.6350 18 | 30.200 | 0.005753 | 0.033560 | 0.0397600 |
| 915186   | 3.0140 2  | 20.040 | 0.009783 | 0.045420 | 0.0348300 |
| 915276   | 1.7870 1  | L7.670 | 0.021770 | 0.048880 | 0.0518900 |
| 91544001 | 0.9857 1  | 12.580 | 0.006272 | 0.021980 | 0.0396600 |
| 91544002 | 1.3180 1  | 12.300 | 0.012620 | 0.023480 | 0.0180000 |
| 915452   |           | 20.670 | 0.007394 | 0.012030 | 0.0247000 |
| 915460   |           | 32.520 | 0.009538 | 0.049400 | 0.0601900 |
| 91550    |           | L3.040 | 0.006982 | 0.039160 | 0.0401700 |
| 915664   | 1.6770 2  | 20.720 | 0.006708 | 0.011970 | 0.0148200 |
| 915691   |           | 33.670 | 0.005414 | 0.022650 | 0.0345200 |
| 915940   | 2.5610 3  | 37.110 | 0.004953 | 0.018120 | 0.0303500 |
| 91594602 |           | 38.490 | 0.004952 | 0.016300 | 0.0296700 |
| 916221   |           | 18.190 | 0.008577 | 0.016410 | 0.0209900 |
| 916799   |           | 57.360 | 0.006176 | 0.018770 | 0.0291300 |
| 916838   | 3.6540 5  | 59.700 | 0.005089 | 0.023030 | 0.0305200 |
| 917062   |           | 34.370 | 0.005273 | 0.023290 | 0.0140500 |
| 917080   |           | 28.620 | 0.007509 | 0.015610 | 0.0197700 |
| 917092   |           | 19.630 | 0.015460 | 0.025400 | 0.0219700 |
| 91762702 | 7.0500 13 |        | 0.004989 | 0.032120 | 0.0357100 |
| 91789    | 0.9812    | 9.332  | 0.004200 | 0.005900 | 0.0038460 |
| 917896   |           | 26.450 | 0.006739 | 0.022510 | 0.0208600 |
| 917897   |           | L5.240 | 0.008732 | 0.020420 | 0.0106200 |
|          | _         |        |          | -        |           |

| 91805    | 1.0690 7.254   | 0.007897            | 0.017620  | 0.0180100   |
|----------|----------------|---------------------|-----------|-------------|
| 91813701 | 1.4430 16.070  | 0.004413            | 0.014430  | 0.0150900   |
| 91813702 | 0.7714 8.955   | 0.003681            | 0.009169  | 0.0087320   |
| 918192   | 4.0910 44.740  | 0.010040            | 0.032470  | 0.0476300   |
| 918465   | 1.7140 18.540  | 0.007327            | 0.011530  | 0.0179800   |
| 91858    | 3.1490 30.660  | 0.006587            | 0.018150  | 0.0173700   |
| 91903901 | 1.3930 15.340  | 0.005251            | 0.017270  | 0.0184000   |
| 91903902 | 1.3730 17.250  | 0.003828            | 0.007228  | 0.0070780   |
| 91930402 | 5.1680 100.400 | 0.004938            | 0.030890  | 0.0409300   |
| 919537   | 1.1650 10.090  | 0.009501            | 0.033780  | 0.0440100   |
| 919555   | 4.7060 87.780  | 0.004578            | 0.026160  | 0.0400500   |
| 91979701 | 1.8950 18.540  | 0.006113            | 0.025830  | 0.0464500   |
| 919812   | 2.1580 20.950  | 0.012880            | 0.034950  | 0.0186500   |
| 921092   | 2.4920 19.140  | 0.012660            | 0.009692  | 0.0000000   |
| 921362   | 1.4450 11.730  | 0.015470            | 0.064570  | 0.0925200   |
| 921385   | 1.6280 20.860  | 0.012150            | 0.041120  | 0.0555300   |
| 921386   | 2.6150 23.110  | 0.007138            | 0.046530  | 0.0382900   |
| 921644   | 2.1770 27.410  | 0.004775            | 0.011720  | 0.0194700   |
| 922296   | 1.5390 17.850  | 0.004973            | 0.013720  | 0.0149800   |
| 922297   | 2.0760 23.120  | 0.006298            | 0.021720  | 0.0261500   |
| 922576   | 2.0660 31.240  | 0.005868            | 0.020990  | 0.0202100   |
| 922577   | 1.3560 12.970  | 0.007086            | 0.007247  | 0.0101200   |
| 922840   | 0.9887 7.326   |                     | 0.030840  | 0.0261300   |
| 923169   | 2.0540 18.240  | 0.007440            | 0.011230  | 0.0233700   |
| 923465   | 3.5640 33.000  |                     | 0.018700  | 0.0127700   |
| 923748   | 2.1150 20.670  | 0.009579            | 0.011040  | 0.0000000   |
| 923780   | 1.9940 17.850  |                     | 0.030510  | 0.0344500   |
| 924084   | 1.4770 18.760  |                     | 0.012330  | 0.0132800   |
| 924342   | 2.1210 17.860  | 0.010940            | 0.018340  | 0.0399600   |
| 924632   | 1.5020 16.830  | 0.008412            | 0.021530  | 0.0389800   |
| 924934   | 1.4370 14.460  |                     | 0.027360  | 0.0480400   |
| 924964   | 1.6480 16.800  | 0.012910            | 0.022220  | 0.0041740   |
| 925236   | 3.6180 29.110  | 0.011590            | 0.011240  | 0.0000000   |
| 925277   | 2.2240 19.540  |                     | 0.046390  | 0.0657800   |
| 925291   | 1.9360 16.970  |                     | 0.029820  | 0.0573800   |
| 925292   | 2.8880 29.840  |                     | 0.026780  | 0.0207100   |
| 925311   | 2.0410 22.810  | 0.007594            | 0.008878  | 0.0000000   |
| 925622   | 2.3620 22.650  |                     | 0.048440  | 0.0735900   |
| 926125   | 8.7580 118.800 | 0.006399            | 0.043100  | 0.0784500   |
| 926424   | 7.6730 158.700 |                     | 0.028910  | 0.0519800   |
| 926682   | 5.2030 99.040  | 0.005769            | 0.024230  | 0.0395000   |
| 926954   | 3.4250 48.550  |                     | 0.037310  | 0.0473000   |
| 927241   | 5.7720 86.220  |                     | 0.061580  | 0.0711700   |
| 92751    | 2.5480 19.150  |                     | 0.004660  | 0.0000000   |
|          |                | mmetry_se fractal_d |           |             |
| 842302   | 0.015870       | 0.030030            | 0.0061930 | -<br>25.380 |
| 842517   | 0.013400       | 0.013890            | 0.0035320 | 24.990      |
| 84300903 | 0.020580       | 0.022500            | 0.0045710 | 23.570      |
| 84348301 | 0.018670       | 0.059630            | 0.0092080 | 14.910      |
| 84358402 | 0.018850       | 0.017560            | 0.0051150 | 22.540      |
| 843786   | 0.011370       | 0.021650            | 0.0050820 | 15.470      |
| · -      |                |                     |           | - /         |

| 844359   | 0.010390 | 0.013690 | 0.0021790 | 22.880 |
|----------|----------|----------|-----------|--------|
| 84458202 | 0.014480 | 0.014860 | 0.0054120 | 17.060 |
| 844981   | 0.012260 | 0.021430 | 0.0037490 | 15.490 |
| 84501001 | 0.014320 | 0.017890 | 0.0100800 | 15.090 |
| 845636   | 0.007591 | 0.014600 | 0.0030420 | 19.190 |
| 84610002 | 0.012820 | 0.020080 | 0.0041440 | 20.420 |
| 846226   | 0.040900 | 0.044840 | 0.0128400 | 20.960 |
| 846381   | 0.019920 | 0.029810 | 0.0030020 | 16.840 |
| 84667401 | 0.016280 | 0.019610 | 0.0080930 | 15.030 |
| 84799002 | 0.010900 | 0.018570 | 0.0054660 | 17.460 |
| 848406   | 0.011090 | 0.014100 | 0.0020850 | 19.070 |
| 84862001 | 0.012970 | 0.016890 | 0.0041420 | 20.960 |
| 849014   | 0.015210 | 0.013560 | 0.0019970 | 27.320 |
| 8510426  | 0.013150 | 0.019800 | 0.0023000 | 15.110 |
| 8510653  | 0.006490 | 0.016780 | 0.0024250 | 14.500 |
| 8510824  | 0.014210 | 0.020270 | 0.0029680 | 10.230 |
| 8511133  | 0.022520 | 0.036720 | 0.0043940 | 18.070 |
| 851509   | 0.010380 | 0.010830 | 0.0019870 | 29.170 |
| 852552   | 0.011300 | 0.014680 | 0.0028010 | 26.460 |
| 852631   | 0.023970 | 0.023080 | 0.0074440 | 22.250 |
| 852763   | 0.013520 | 0.014540 | 0.0037110 | 17.620 |
| 852781   | 0.019110 | 0.022930 | 0.0042170 | 21.310 |
| 852973   | 0.010830 | 0.017680 | 0.0029670 | 20.270 |
| 853201   | 0.013540 | 0.019250 | 0.0037420 | 20.010 |
| 853401   | 0.011580 | 0.020070 | 0.0045600 | 23.150 |
| 853612   | 0.010440 | 0.022730 | 0.0056670 | 16.820 |
| 85382601 | 0.011120 | 0.021020 | 0.0038540 | 20.880 |
| 854002   | 0.009643 | 0.015430 | 0.0038960 | 24.150 |
| 854039   | 0.009067 | 0.017030 | 0.0038170 | 20.210 |
| 854253   | 0.011950 | 0.027890 | 0.0026650 | 20.010 |
| 854268   | 0.011610 | 0.020280 | 0.0040220 | 15.890 |
| 854941   | 0.011640 | 0.026710 | 0.0017770 | 13.300 |
| 855133   | 0.019170 | 0.007882 | 0.0017540 | 14.990 |
| 855138   | 0.012620 | 0.013770 | 0.0031870 | 15.530 |
| 855167   | 0.006881 | 0.013800 | 0.0012860 | 15.930 |
| 855563   | 0.010370 | 0.013570 | 0.0030400 | 12.840 |
| 855625   | 0.026380 | 0.053330 | 0.0076460 | 24.090 |
| 856106   | 0.009560 | 0.017190 | 0.0033170 | 17.380 |
| 85638502 | 0.006853 | 0.011130 | 0.0017200 | 16.230 |
| 857010   | 0.016950 | 0.024280 | 0.0035350 | 22.820 |
| 85713702 | 0.005917 | 0.025740 | 0.0025820 | 8.964  |
| 85715    | 0.012150 | 0.017430 | 0.0036430 | 15.670 |
| 857155   | 0.005660 | 0.014280 | 0.0024220 | 13.760 |
| 857156   | 0.011840 | 0.016410 | 0.0019560 | 15.150 |
| 857343   | 0.007445 | 0.024060 | 0.0017690 | 12.980 |
| 857373   | 0.007956 | 0.013250 | 0.0025510 | 14.670 |
| 857374   | 0.008000 | 0.019960 | 0.0026350 | 13.100 |
| 857392   | 0.009222 | 0.026740 | 0.0051260 | 20.600 |
| 857438   | 0.009222 | 0.010950 | 0.0016290 | 18.100 |
| 85759902 | 0.008670 | 0.032180 | 0.0023860 | 12.840 |
| 857637   | 0.015380 | 0.018520 | 0.0026080 | 26.140 |
|          |          |          |           |        |

| 857793   | 0.012720 | 0.018170 | 0.0041080 | 17.870 |
|----------|----------|----------|-----------|--------|
| 857810   | 0.004167 | 0.021900 | 0.0029900 | 14.230 |
| 858477   | 0.005742 | 0.020900 | 0.0027880 | 9.507  |
| 858970   | 0.008193 | 0.041830 | 0.0059530 | 11.020 |
| 858981   | 0.009259 | 0.033570 | 0.0030480 | 9.565  |
| 858986   | 0.018480 | 0.017000 | 0.0061130 | 17.670 |
| 859196   | 0.015600 | 0.041920 | 0.0058220 | 10.010 |
| 85922302 | 0.012900 | 0.016350 | 0.0036010 | 17.090 |
| 859283   | 0.011840 | 0.019000 | 0.0032240 | 17.310 |
| 859464   | 0.009333 | 0.022790 | 0.0042370 | 10.410 |
| 859465   | 0.008965 | 0.021830 | 0.0021460 | 12.330 |
| 859471   | 0.033220 | 0.041970 | 0.0095590 | 10.310 |
| 859487   | 0.008662 | 0.022540 | 0.0019060 | 13.460 |
| 859575   | 0.013700 | 0.013860 | 0.0016980 | 24.860 |
| 859711   | 0.017660 | 0.025410 | 0.0219300 | 9.733  |
| 859717   | 0.011270 | 0.015270 | 0.0062990 | 23.320 |
| 859983   | 0.009206 | 0.012200 | 0.0031300 | 16.570 |
| 8610175  | 0.007965 | 0.013860 | 0.0023040 | 14.110 |
| 8610404  | 0.018090 | 0.015500 | 0.0019480 | 19.770 |
| 8610629  | 0.008239 | 0.025720 | 0.0061640 | 14.080 |
| 8610637  | 0.020700 | 0.025910 | 0.0070540 | 22.390 |
| 8610862  | 0.025930 | 0.078950 | 0.0059870 | 23.370 |
| 8610908  | 0.008179 | 0.017480 | 0.0028480 | 14.240 |
| 861103   | 0.007506 | 0.018160 | 0.0039760 | 13.110 |
| 8611161  | 0.013830 | 0.021340 | 0.0046030 | 15.530 |
| 8611555  | 0.020300 | 0.010650 | 0.0058930 | 30.000 |
| 8611792  | 0.018430 | 0.030560 | 0.0103900 | 20.330 |
| 8612080  | 0.007027 | 0.019720 | 0.0026070 | 13.670 |
| 8612399  | 0.014200 | 0.023700 | 0.0037550 | 22.930 |
| 86135501 | 0.017610 | 0.024180 | 0.0032490 | 16.210 |
| 86135502 | 0.012000 | 0.019640 | 0.0033370 | 24.560 |
| 861597   | 0.012930 | 0.019580 | 0.0044630 | 13.830 |
| 861598   | 0.016230 | 0.024270 | 0.0048410 | 16.340 |
| 861648   | 0.008606 | 0.020850 | 0.0028930 | 16.110 |
| 861799   | 0.017630 | 0.024710 | 0.0021420 | 16.430 |
| 861853   | 0.010820 | 0.010690 | 0.0014350 | 16.360 |
| 862009   | 0.009366 | 0.018840 | 0.0018170 | 15.100 |
| 862028   | 0.018510 | 0.014980 | 0.0035200 | 18.230 |
| 86208    | 0.012690 | 0.026570 | 0.0044110 | 24.220 |
| 86211    | 0.015190 | 0.022200 | 0.0034080 | 12.830 |
| 862261   | 0.005250 | 0.018010 | 0.0056670 | 10.920 |
| 862485   | 0.006884 | 0.016510 | 0.0025510 | 13.060 |
| 862548   | 0.014240 | 0.014620 | 0.0044520 | 16.330 |
| 862717   | 0.009921 | 0.014650 | 0.0023550 | 16.990 |
| 862722   | 0.000000 | 0.026590 | 0.0041000 | 7.930  |
| 862965   | 0.006797 | 0.014470 | 0.0015320 | 13.340 |
| 862980   | 0.011120 | 0.016090 | 0.0035700 | 10.760 |
| 862989   | 0.008614 | 0.027100 | 0.0034510 | 11.540 |
| 863030   | 0.013880 | 0.015470 | 0.0070980 | 16.310 |
| 863031   | 0.013980 | 0.015650 | 0.0038400 | 13.140 |
| 863270   | 0.005558 | 0.012510 | 0.0013560 | 13.290 |
|          |          |          |           |        |

| 86355     | 0.024800 | 0.031120 | 0.0050370 | 28.400 |
|-----------|----------|----------|-----------|--------|
| 864018    | 0.006435 | 0.015680 | 0.0024770 | 13.010 |
| 864033    | 0.010230 | 0.032810 | 0.0046380 | 11.050 |
| 86408     | 0.022950 | 0.021440 | 0.0058910 | 13.330 |
| 86409     | 0.022920 | 0.025660 | 0.0129800 | 15.300 |
| 864292    | 0.015440 | 0.022870 | 0.0067920 | 11.160 |
| 864496    | 0.010400 | 0.017080 | 0.0038060 | 9.628  |
| 864685    | 0.007711 | 0.012780 | 0.0038560 | 13.670 |
| 864726    | 0.023080 | 0.023840 | 0.0056010 | 9.414  |
| 864729    | 0.012710 | 0.016020 | 0.0038840 | 18.810 |
| 864877    | 0.013900 | 0.014950 | 0.0059840 | 20.190 |
| 865128    | 0.009863 | 0.050140 | 0.0019020 | 20.580 |
| 865137    | 0.006460 | 0.013440 | 0.0022060 | 12.820 |
| 86517     | 0.016010 | 0.020450 | 0.0045700 | 22.250 |
| 865423    | 0.018220 | 0.045470 | 0.0098750 | 26.020 |
| 865432    | 0.012000 | 0.019100 | 0.0028080 | 15.700 |
| 865468    | 0.010380 | 0.012080 | 0.0040760 | 14.260 |
| 86561     | 0.004814 | 0.012470 | 0.0017080 | 15.490 |
| 866083    | 0.006880 | 0.013230 | 0.0014650 | 16.890 |
| 866203    | 0.013610 | 0.020300 | 0.0026860 | 22.320 |
| 866458    | 0.022580 | 0.023530 | 0.0049840 | 16.110 |
| 866674    | 0.010430 | 0.015780 | 0.0032240 | 22.630 |
| 866714    | 0.008094 | 0.026620 | 0.0041430 | 13.340 |
| 8670      | 0.010930 | 0.013970 | 0.0024610 | 19.260 |
| 86730502  | 0.009231 | 0.015350 | 0.0023730 | 19.470 |
| 867387    | 0.012680 | 0.016690 | 0.0023300 | 17.500 |
| 867739    | 0.009148 | 0.014920 | 0.0022050 | 22.520 |
| 868202    | 0.008920 | 0.016470 | 0.0026290 | 14.490 |
| 868223    | 0.013070 | 0.013590 | 0.0037070 | 13.330 |
| 868682    | 0.008602 | 0.015010 | 0.0015880 | 12.320 |
| 868826    | 0.028010 | 0.051680 | 0.0028870 | 18.550 |
| 868871    | 0.019650 | 0.015800 | 0.0034420 | 11.920 |
| 868999    | 0.000000 | 0.022770 | 0.0032200 | 10.620 |
| 869104    | 0.011670 | 0.018750 | 0.0034340 | 19.920 |
| 869218    | 0.009520 | 0.022820 | 0.0035260 | 12.780 |
| 869224    | 0.007584 | 0.021040 | 0.0018870 | 14.480 |
| 869254    | 0.005612 | 0.016710 | 0.0023600 | 11.950 |
| 869476    | 0.011100 | 0.031270 | 0.0094230 | 13.150 |
| 869691    | 0.018430 | 0.056280 | 0.0046350 | 13.740 |
| 86973701  | 0.015270 | 0.033560 | 0.0093680 | 16.250 |
| 86973702  | 0.014930 | 0.014540 | 0.0025280 | 15.850 |
| 869931    | 0.005828 | 0.013290 | 0.0019760 | 15.340 |
| 871001501 | 0.011530 | 0.029510 | 0.0015330 | 14.160 |
| 871001502 | 0.010220 | 0.023090 | 0.0117800 | 9.092  |
| 8710441   | 0.052790 | 0.035460 | 0.0298400 | 11.020 |
| 87106     | 0.008232 | 0.023880 | 0.0016190 | 11.990 |
| 8711002   | 0.009536 | 0.027690 | 0.0034790 | 14.770 |
| 8711003   | 0.007924 | 0.017990 | 0.0024840 | 13.590 |
| 8711202   | 0.018410 | 0.017780 | 0.0049680 | 20.470 |
| 8711216   | 0.011100 | 0.015200 | 0.0015190 | 18.220 |
| 871122    | 0.006273 | 0.014650 | 0.0025300 | 13.140 |
|           |          |          |           |        |

| 871149   | 0.003576 | 0.016370 | 0.0026650 | 12.360 |
|----------|----------|----------|-----------|--------|
| 8711561  | 0.011520 | 0.033970 | 0.0050610 | 13.320 |
| 8711803  | 0.027940 | 0.031560 | 0.0033620 | 22.030 |
| 871201   | 0.013030 | 0.016860 | 0.0033180 | 26.730 |
| 8712064  | 0.011350 | 0.018790 | 0.0053480 | 13.580 |
| 8712289  | 0.016230 | 0.019560 | 0.0037400 | 28.010 |
| 8712291  | 0.006432 | 0.019240 | 0.0015200 | 15.980 |
| 87127    | 0.005344 | 0.012540 | 0.0021200 | 11.600 |
| 8712729  | 0.016040 | 0.020910 | 0.0034930 | 20.050 |
| 8712766  | 0.015690 | 0.011450 | 0.0051200 | 23.140 |
| 8712853  | 0.009073 | 0.013500 | 0.0017060 | 16.110 |
| 87139402 | 0.012410 | 0.019240 | 0.0022480 | 13.500 |
| 87163    | 0.009443 | 0.015200 | 0.0018680 | 17.980 |
| 87164    | 0.013200 | 0.017920 | 0.0041680 | 18.790 |
| 871641   | 0.015830 | 0.030820 | 0.0047850 | 11.350 |
| 871642   | 0.000000 | 0.032650 | 0.0010020 | 11.540 |
| 872113   | 0.000000 | 0.027110 | 0.0033990 | 9.262  |
| 872608   | 0.024600 | 0.038800 | 0.0179200 | 11.260 |
| 87281702 | 0.018130 | 0.016820 | 0.0045840 | 17.790 |
| 873357   | 0.001852 | 0.016130 | 0.0009683 | 14.000 |
| 873586   | 0.007408 | 0.010650 | 0.0033510 | 13.630 |
| 873592   | 0.012410 | 0.015750 | 0.0027470 | 33.120 |
| 873593   | 0.015670 | 0.017980 | 0.0052950 | 26.680 |
| 873701   | 0.009767 | 0.015470 | 0.0024300 | 20.110 |
| 873843   | 0.017120 | 0.021650 | 0.0047840 | 12.370 |
| 873885   | 0.006009 | 0.011720 | 0.0025750 | 17.800 |
| 874158   | 0.002404 | 0.025380 | 0.0034700 | 11.870 |
| 874217   | 0.006719 | 0.010690 | 0.0010870 | 21.310 |
| 874373   | 0.011850 | 0.018970 | 0.0016710 | 13.010 |
| 874662   | 0.006240 | 0.031390 | 0.0019880 | 12.570 |
| 874839   | 0.006433 | 0.020250 | 0.0017250 | 13.350 |
| 874858   | 0.016660 | 0.051130 | 0.0117200 | 15.740 |
| 875093   | 0.017570 | 0.033730 | 0.0058750 | 13.750 |
| 875099   | 0.000000 | 0.037990 | 0.0016880 | 9.968  |
| 875263   | 0.013210 | 0.018780 | 0.0056720 | 15.650 |
| 87556202 | 0.018830 | 0.025450 | 0.0043120 | 16.080 |
| 875878   | 0.008420 | 0.018530 | 0.0021520 | 13.880 |
| 875938   | 0.020600 | 0.026890 | 0.0043060 | 16.390 |
| 877159   | 0.014440 | 0.021400 | 0.0050360 | 19.760 |
| 877486   | 0.012210 | 0.014150 | 0.0033970 | 23.360 |
| 877500   | 0.007303 | 0.015220 | 0.0019760 | 18.330 |
| 877501   | 0.011400 | 0.015030 | 0.0033380 | 14.440 |
| 877989   | 0.013450 | 0.015940 | 0.0026580 | 20.420 |
| 878796   | 0.024650 | 0.021750 | 0.0051950 | 25.120 |
| 87880    | 0.012910 | 0.019980 | 0.0045060 | 19.200 |
| 87930    | 0.010370 | 0.017820 | 0.0035860 | 14.970 |
| 879523   | 0.008260 | 0.015230 | 0.0028810 | 17.770 |
| 879804   | 0.007527 | 0.022100 | 0.0024720 | 10.420 |
| 879830   | 0.011230 | 0.022940 | 0.0025810 | 19.800 |
| 8810158  | 0.008304 | 0.025140 | 0.0041980 | 14.550 |
| 8810436  | 0.007373 | 0.009539 | 0.0016560 | 17.380 |
|          |          |          |           |        |

| 881046502 | 0.027650 | 0.031760 | 0.0023650 | 23.240 |
|-----------|----------|----------|-----------|--------|
| 8810528   | 0.006747 | 0.016160 | 0.0029220 | 13.300 |
| 8810703   | 0.014070 | 0.047830 | 0.0044760 | 28.110 |
| 881094802 | 0.039270 | 0.021750 | 0.0125600 | 18.070 |
| 8810955   | 0.016270 | 0.044990 | 0.0047680 | 16.860 |
| 8810987   | 0.014350 | 0.019390 | 0.0045600 | 15.750 |
| 8811523   | 0.017850 | 0.027930 | 0.0047750 | 13.250 |
| 8811779   | 0.010710 | 0.025600 | 0.0046130 | 11.480 |
| 8811842   | 0.017120 | 0.018970 | 0.0040450 | 25.730 |
| 88119002  | 0.010780 | 0.013320 | 0.0022560 | 27.900 |
| 8812816   | 0.006659 | 0.013710 | 0.0027350 | 15.340 |
| 8812818   | 0.008360 | 0.018420 | 0.0029180 | 14.980 |
| 8812844   | 0.007624 | 0.026370 | 0.0037610 | 11.170 |
| 8812877   | 0.008637 | 0.017720 | 0.0031310 | 19.560 |
| 8813129   | 0.009057 | 0.014820 | 0.0024960 | 15.140 |
| 88143502  | 0.012860 | 0.022660 | 0.0014630 | 16.770 |
| 88147101  | 0.004972 | 0.015020 | 0.0028210 | 11.520 |
| 88147102  | 0.011550 | 0.013910 | 0.0032040 | 16.410 |
| 88147202  | 0.008691 | 0.013650 | 0.0034070 | 14.200 |
| 881861    | 0.014990 | 0.016800 | 0.0056170 | 15.200 |
| 881972    | 0.013840 | 0.011770 | 0.0023360 | 19.590 |
| 88199202  | 0.003125 | 0.015370 | 0.0020520 | 12.080 |
| 88203002  | 0.003419 | 0.019160 | 0.0025340 | 12.360 |
| 88206102  | 0.010910 | 0.012980 | 0.0028870 | 24.470 |
| 882488    | 0.009623 | 0.023830 | 0.0035400 | 10.510 |
| 88249602  | 0.010040 | 0.012630 | 0.0029250 | 15.330 |
| 88299702  | 0.017160 | 0.015900 | 0.0030530 | 31.010 |
| 883263    | 0.016710 | 0.013410 | 0.0039330 | 24.220 |
| 883270    | 0.010110 | 0.011850 | 0.0035890 | 15.750 |
| 88330202  | 0.013740 | 0.012260 | 0.0027590 | 22.510 |
| 88350402  | 0.011030 | 0.018980 | 0.0017940 | 14.850 |
| 883539    | 0.003762 | 0.017200 | 0.0013600 | 13.200 |
| 883852    | 0.013140 | 0.019950 | 0.0086750 | 12.580 |
| 88411702  | 0.010070 | 0.025980 | 0.0030870 | 15.010 |
| 884180    | 0.015590 | 0.021860 | 0.0039490 | 21.650 |
| 884437    | 0.011330 | 0.034760 | 0.0035600 | 11.480 |
| 884448    | 0.005383 | 0.019620 | 0.0022500 | 13.940 |
| 884626    | 0.013700 | 0.012660 | 0.0075550 | 14.390 |
| 88466802  | 0.006245 | 0.021580 | 0.0026190 | 12.250 |
| 884689    | 0.010060 | 0.016770 | 0.0027840 | 12.650 |
| 884948    | 0.018640 | 0.024010 | 0.0050020 | 25.580 |
| 88518501  | 0.009175 | 0.022920 | 0.0014610 | 12.970 |
| 885429    | 0.019710 | 0.014670 | 0.0072590 | 25.280 |
| 8860702   | 0.012620 | 0.013940 | 0.0023620 | 19.850 |
| 886226    | 0.012670 | 0.013650 | 0.0025500 | 25.700 |
| 886452    | 0.013420 | 0.020620 | 0.0026950 | 16.390 |
| 88649001  | 0.015190 | 0.019360 | 0.0052520 | 25.050 |
| 886776    | 0.021270 | 0.018840 | 0.0086600 | 17.730 |
| 887181    | 0.030240 | 0.023370 | 0.0060420 | 19.850 |
| 88725602  | 0.010220 | 0.009947 | 0.0033590 | 18.490 |
| 887549    | 0.008185 | 0.012820 | 0.0018920 | 24.330 |
|           |          |          |           |        |

| 888264   | 0.007671 | 0.014110 | 0.0015780 | 19.850 |
|----------|----------|----------|-----------|--------|
| 888570   | 0.021490 | 0.027470 | 0.0058380 | 20.390 |
| 889403   | 0.005174 | 0.010130 | 0.0013450 | 17.910 |
| 889719   | 0.009875 | 0.011440 | 0.0015750 | 21.580 |
| 88995002 | 0.009280 | 0.013670 | 0.0022990 | 32.490 |
| 8910251  | 0.013650 | 0.035040 | 0.0033180 | 11.880 |
| 8910499  | 0.009919 | 0.020300 | 0.0030090 | 14.800 |
| 8910506  | 0.006330 | 0.025930 | 0.0021570 | 13.900 |
| 8910720  | 0.017450 | 0.027280 | 0.0076100 | 11.690 |
| 8910721  | 0.003608 | 0.015360 | 0.0013810 | 14.910 |
| 8910748  | 0.008849 | 0.016920 | 0.0028170 | 12.320 |
| 8910988  | 0.015610 | 0.019240 | 0.0046140 | 28.190 |
| 8910996  | 0.009472 | 0.017980 | 0.0042610 | 10.750 |
| 8911163  | 0.008522 | 0.014190 | 0.0027510 | 20.920 |
| 8911164  | 0.019100 | 0.026780 | 0.0030020 | 12.400 |
| 8911230  | 0.003333 | 0.023580 | 0.0016270 | 12.200 |
| 8911670  | 0.014630 | 0.019300 | 0.0016760 | 19.960 |
| 8911800  | 0.005044 | 0.013440 | 0.0011260 | 15.500 |
| 8911834  | 0.010430 | 0.015280 | 0.0015930 | 14.980 |
| 8912049  | 0.012930 | 0.014350 | 0.0034460 | 23.720 |
| 8912055  | 0.018460 | 0.029210 | 0.0020050 | 13.310 |
| 89122    | 0.014990 | 0.016230 | 0.0019650 | 23.790 |
| 8912280  | 0.012090 | 0.013880 | 0.0040810 | 18.550 |
| 8912284  | 0.017740 | 0.018780 | 0.0036960 | 13.900 |
| 8912521  | 0.002924 | 0.025710 | 0.0020150 | 13.500 |
| 8912909  | 0.016330 | 0.018720 | 0.0080150 | 13.240 |
| 8913     | 0.005905 | 0.016190 | 0.0020810 | 13.620 |
| 8913049  | 0.034870 | 0.034180 | 0.0065170 | 11.860 |
| 89143601 | 0.009924 | 0.034160 | 0.0029280 | 12.360 |
| 89143602 | 0.027710 | 0.040770 | 0.0228600 | 15.770 |
| 8915     | 0.011870 | 0.015220 | 0.0028150 | 16.250 |
| 891670   | 0.011320 | 0.026250 | 0.0047260 | 13.740 |
| 891703   | 0.008578 | 0.017920 | 0.0017840 | 13.060 |
| 891716   | 0.007978 | 0.013740 | 0.0013920 | 13.500 |
| 891923   | 0.006829 | 0.021540 | 0.0018020 | 14.670 |
| 891936   | 0.009393 | 0.029410 | 0.0034280 | 11.370 |
| 892189   | 0.014320 | 0.015750 | 0.0027580 | 13.360 |
| 892214   | 0.005243 | 0.011030 | 0.0019570 | 16.220 |
| 892399   | 0.012500 | 0.034640 | 0.0019710 | 10.930 |
| 892438   | 0.017330 | 0.018840 | 0.0047870 | 25.930 |
| 892604   | 0.014030 | 0.027400 | 0.0046510 | 13.460 |
| 89263202 | 0.019360 | 0.027360 | 0.0059280 | 23.680 |
| 892657   | 0.009199 | 0.017910 | 0.0033170 | 11.060 |
| 89296    | 0.007807 | 0.018940 | 0.0034110 | 12.680 |
| 893061   | 0.006998 | 0.031940 | 0.0022110 | 12.440 |
| 89344    | 0.002386 | 0.013440 | 0.0025850 | 14.410 |
| 89346    | 0.003472 | 0.027010 | 0.0021530 | 9.699  |
| 893526   | 0.003242 | 0.014800 | 0.0015660 | 14.970 |
| 893548   | 0.004821 | 0.014220 | 0.0022730 | 14.730 |
| 893783   | 0.007638 | 0.023490 | 0.0016610 | 12.610 |
| 89382601 | 0.006324 | 0.014940 | 0.0008948 | 16.460 |
|          |          |          |           |        |

| 89382602  | 0.010690 | 0.017310 | 0.0043920 | 14.190 |
|-----------|----------|----------|-----------|--------|
| 893988    | 0.004667 | 0.020320 | 0.0019520 | 12.340 |
| 894047    | 0.000000 | 0.061460 | 0.0068200 | 8.952  |
| 894089    | 0.003390 | 0.013930 | 0.0013440 | 13.340 |
| 894090    | 0.005051 | 0.019770 | 0.0009502 | 12.850 |
| 894326    | 0.011430 | 0.012750 | 0.0024510 | 21.840 |
| 894329    | 0.025270 | 0.034910 | 0.0078770 | 10.060 |
| 894335    | 0.011200 | 0.034330 | 0.0029610 | 12.900 |
| 894604    | 0.015440 | 0.027190 | 0.0075960 | 11.280 |
| 894618    | 0.012470 | 0.021930 | 0.0015890 | 23.060 |
| 894855    | 0.010110 | 0.012020 | 0.0031070 | 14.040 |
| 895100    | 0.013690 | 0.027680 | 0.0033450 | 25.300 |
| 89511501  | 0.005142 | 0.013330 | 0.0020650 | 13.750 |
| 89511502  | 0.006474 | 0.020570 | 0.0017840 | 13.710 |
| 89524     | 0.006627 | 0.014160 | 0.0024760 | 15.530 |
| 895299    | 0.003951 | 0.014660 | 0.0017550 | 13.070 |
| 8953902   | 0.013920 | 0.015360 | 0.0027890 | 19.280 |
| 895633    | 0.011860 | 0.040220 | 0.0061870 | 17.730 |
| 896839    | 0.014590 | 0.014670 | 0.0031210 | 18.760 |
| 896864    | 0.009811 | 0.027510 | 0.0045720 | 14.420 |
| 897132    | 0.004967 | 0.042430 | 0.0019630 | 11.980 |
| 897137    | 0.002941 | 0.017000 | 0.0020300 | 12.760 |
| 897374    | 0.006522 | 0.019390 | 0.0022220 | 13.350 |
| 89742801  | 0.017440 | 0.018290 | 0.0037330 | 20.990 |
| 897604    | 0.007315 | 0.016390 | 0.0057010 | 13.720 |
| 897630    | 0.018160 | 0.021680 | 0.0044450 | 24.540 |
| 897880    | 0.008043 | 0.021000 | 0.0027780 | 11.160 |
| 89812     | 0.013010 | 0.014790 | 0.0031180 | 30.670 |
| 89813     | 0.012430 | 0.018730 | 0.0033730 | 16.670 |
| 898143    | 0.008510 | 0.017500 | 0.0040310 | 10.750 |
| 89827     | 0.010100 | 0.023480 | 0.0029170 | 11.920 |
| 898431    | 0.018060 | 0.037560 | 0.0032880 | 22.750 |
| 89864002  | 0.011210 | 0.019530 | 0.0031000 | 13.060 |
| 898677    | 0.012960 | 0.036750 | 0.0067580 | 10.880 |
| 898678    | 0.005495 | 0.019820 | 0.0027540 | 13.640 |
| 89869     | 0.010670 | 0.021630 | 0.0027830 | 17.270 |
| 898690    | 0.006315 | 0.017550 | 0.0030090 | 12.510 |
| 899147    | 0.010520 | 0.027340 | 0.0031140 | 12.810 |
| 899187    | 0.006296 | 0.022160 | 0.0026680 | 13.280 |
| 899667    | 0.022830 | 0.055430 | 0.0073300 | 17.360 |
| 899987    | 0.015080 | 0.023350 | 0.0033850 | 33.130 |
| 9010018   | 0.017460 | 0.021200 | 0.0048670 | 18.510 |
| 901011    | 0.014710 | 0.031020 | 0.0048310 | 12.120 |
| 9010258   | 0.019660 | 0.026390 | 0.0042050 | 13.370 |
| 9010259   | 0.018760 | 0.028600 | 0.0057150 | 14.190 |
| 901028    | 0.006042 | 0.015440 | 0.0020870 | 15.110 |
| 9010333   | 0.015060 | 0.028370 | 0.0041740 | 9.981  |
| 901034301 | 0.006565 | 0.019420 | 0.0027130 | 12.020 |
| 901034302 | 0.003617 | 0.020430 | 0.0010580 | 13.720 |
| 901041    | 0.006399 | 0.018290 | 0.0019560 | 14.200 |
| 9010598   | 0.009997 | 0.019090 | 0.0021330 | 13.750 |
|           |          |          |           |        |

| 9010872  | 0.010330 | 0.016940 | 0.0020010 | 18.130 |
|----------|----------|----------|-----------|--------|
| 9010877  | 0.005484 | 0.012910 | 0.0020740 | 14.730 |
| 901088   | 0.014610 | 0.014450 | 0.0019060 | 24.310 |
| 9011494  | 0.025360 | 0.037100 | 0.0042860 | 24.190 |
| 9011495  | 0.007087 | 0.019380 | 0.0019600 | 14.290 |
| 9011971  | 0.011970 | 0.012630 | 0.0018030 | 30.750 |
| 9012000  | 0.014710 | 0.015180 | 0.0037960 | 27.660 |
| 9012315  | 0.016560 | 0.031970 | 0.0040850 | 19.380 |
| 9012568  | 0.009155 | 0.016470 | 0.0017670 | 16.200 |
| 9012795  | 0.013430 | 0.016750 | 0.0043670 | 22.690 |
| 901288   | 0.012320 | 0.012760 | 0.0017110 | 25.370 |
| 9013005  | 0.006335 | 0.019430 | 0.0021770 | 14.840 |
| 901303   | 0.011960 | 0.019340 | 0.0036960 | 16.970 |
| 901315   | 0.029190 | 0.016170 | 0.0122000 | 10.850 |
| 9013579  | 0.005179 | 0.014420 | 0.0016840 | 14.690 |
| 9013594  | 0.008356 | 0.018180 | 0.0048680 | 14.540 |
| 9013838  | 0.013390 | 0.017380 | 0.0044350 | 13.240 |
| 901549   | 0.011640 | 0.021080 | 0.0037210 | 12.840 |
| 901836   | 0.006960 | 0.018800 | 0.0019410 | 12.090 |
| 90250    | 0.016670 | 0.024700 | 0.0073580 | 12.570 |
| 90251    | 0.010510 | 0.018380 | 0.0068840 | 14.180 |
| 902727   | 0.008468 | 0.014610 | 0.0026130 | 14.240 |
| 90291    | 0.015760 | 0.017400 | 0.0028710 | 15.790 |
| 902975   | 0.010870 | 0.019210 | 0.0046220 | 13.130 |
| 902976   | 0.007016 | 0.016470 | 0.0019700 | 15.510 |
| 903011   | 0.020470 | 0.012190 | 0.0123300 | 12.040 |
| 90312    | 0.034410 | 0.027680 | 0.0062400 | 20.820 |
| 90317302 | 0.006929 | 0.019380 | 0.0023710 | 11.380 |
| 903483   | 0.000000 | 0.018650 | 0.0067360 | 10.170 |
| 903507   | 0.016390 | 0.018520 | 0.0042320 | 21.200 |
| 903516   | 0.012880 | 0.020450 | 0.0040280 | 26.230 |
| 903554   | 0.007513 | 0.020150 | 0.0017980 | 13.560 |
| 903811   | 0.009155 | 0.017190 | 0.0014440 | 14.920 |
| 90401601 | 0.013670 | 0.013150 | 0.0024640 | 14.800 |
| 90401602 | 0.013840 | 0.018690 | 0.0040670 | 13.740 |
| 904302   | 0.004168 | 0.011910 | 0.0035370 | 12.680 |
| 904357   | 0.005398 | 0.014770 | 0.0030710 | 13.450 |
| 90439701 | 0.010510 | 0.015910 | 0.0050990 | 20.800 |
| 904647   | 0.005832 | 0.010960 | 0.0018570 | 13.800 |
| 904689   | 0.010650 | 0.026320 | 0.0037050 | 14.130 |
| 9047     | 0.007308 | 0.018700 | 0.0019720 | 13.860 |
| 904969   | 0.010300 | 0.029700 | 0.0014320 | 13.180 |
| 904971   | 0.011550 | 0.020790 | 0.0027010 | 12.400 |
| 905189   | 0.008747 | 0.015000 | 0.0016210 | 17.710 |
| 905190   | 0.013410 | 0.026690 | 0.0077310 | 14.400 |
| 90524101 | 0.014800 | 0.014140 | 0.0033360 | 21.080 |
| 905501   | 0.010750 | 0.025780 | 0.0022670 | 14.100 |
| 905502   | 0.005872 | 0.013410 | 0.0016590 | 13.050 |
| 905520   | 0.007483 | 0.017180 | 0.0021980 | 12.410 |
| 905539   | 0.005128 | 0.019510 | 0.0045830 | 9.965  |
| 905557   | 0.011960 | 0.019060 | 0.0040150 | 16.760 |
|          |          |          |           |        |

| 905680    | 0.009087 | 0.031510 | 0.0017500 | 17.260 |
|-----------|----------|----------|-----------|--------|
| 905686    | 0.009276 | 0.022580 | 0.0022720 | 13.050 |
| 905978    | 0.008674 | 0.030440 | 0.0045900 | 10.850 |
| 90602302  | 0.021390 | 0.020180 | 0.0058150 | 23.170 |
| 906024    | 0.008231 | 0.017130 | 0.0044140 | 13.650 |
| 906290    | 0.006159 | 0.026940 | 0.0020600 | 12.360 |
| 906539    | 0.008799 | 0.018680 | 0.0033390 | 13.070 |
| 906564    | 0.015800 | 0.026530 | 0.0054440 | 16.460 |
| 906616    | 0.013040 | 0.018480 | 0.0019820 | 12.640 |
| 906878    | 0.012740 | 0.015810 | 0.0039560 | 15.140 |
| 907145    | 0.010520 | 0.031000 | 0.0042250 | 11.210 |
| 907367    | 0.003527 | 0.014450 | 0.0024110 | 11.110 |
| 907409    | 0.012640 | 0.021610 | 0.0048300 | 12.130 |
| 90745     | 0.010450 | 0.018440 | 0.0026900 | 12.760 |
| 90769601  | 0.006189 | 0.020090 | 0.0023770 | 11.680 |
| 90769602  | 0.005623 | 0.019400 | 0.0011800 | 13.820 |
| 907914    | 0.022340 | 0.014990 | 0.0057840 | 16.350 |
| 907915    | 0.011670 | 0.021870 | 0.0060050 | 12.880 |
| 908194    | 0.019100 | 0.024510 | 0.0040050 | 22.030 |
| 908445    | 0.018340 | 0.023830 | 0.0045150 | 22.660 |
| 908469    | 0.008281 | 0.015510 | 0.0021680 | 16.310 |
| 908489    | 0.009567 | 0.012230 | 0.0028460 | 17.040 |
| 908916    | 0.006502 | 0.022230 | 0.0023780 | 14.450 |
| 909220    | 0.009046 | 0.020050 | 0.0028300 | 15.660 |
| 909231    | 0.007039 | 0.020140 | 0.0023260 | 15.630 |
| 909410    | 0.010760 | 0.011710 | 0.0021040 | 14.910 |
| 909411    | 0.017680 | 0.015160 | 0.0049760 | 12.360 |
| 909445    | 0.017420 | 0.015940 | 0.0037390 | 20.380 |
| 90944601  | 0.005657 | 0.012270 | 0.0025640 | 15.270 |
| 909777    | 0.011110 | 0.017170 | 0.0044920 | 10.940 |
| 9110127   | 0.009753 | 0.012950 | 0.0024360 | 20.380 |
| 9110720   | 0.016650 | 0.020940 | 0.0036740 | 12.980 |
| 9110732   | 0.011100 | 0.012370 | 0.0025560 | 21.530 |
| 9110944   | 0.006897 | 0.022540 | 0.0019710 | 16.430 |
| 911150    | 0.008848 | 0.013940 | 0.0023270 | 16.300 |
| 911157302 | 0.014660 | 0.010290 | 0.0022050 | 25.680 |
| 9111596   | 0.015530 | 0.023540 | 0.0089250 | 12.790 |
| 9111805   | 0.014990 | 0.016410 | 0.0018070 | 21.440 |
| 9111843   | 0.009166 | 0.017450 | 0.0043020 | 13.090 |
| 911201    | 0.011360 | 0.022070 | 0.0035630 | 15.800 |
| 911202    | 0.006888 | 0.016080 | 0.0016380 | 14.340 |
| 9112085   | 0.009128 | 0.015640 | 0.0029850 | 15.050 |
| 9112366   | 0.009215 | 0.024750 | 0.0021280 | 13.120 |
| 9112367   | 0.006451 | 0.013470 | 0.0018280 | 14.350 |
| 9112594   | 0.006336 | 0.012150 | 0.0015140 | 14.340 |
| 9112712   | 0.006104 | 0.015740 | 0.0022680 | 10.670 |
| 911296201 | 0.014580 | 0.020450 | 0.0044170 | 22.960 |
| 911296202 | 0.025980 | 0.016970 | 0.0045580 | 36.040 |
| 9113156   | 0.006370 | 0.014140 | 0.0018920 | 15.400 |
| 911320501 | 0.007497 | 0.021240 | 0.0027680 | 12.770 |
| 911320502 | 0.008463 | 0.010930 | 0.0016720 | 14.900 |
|           |          |          |           |        |

| 9113239  | 0.013680 | 0.015260 | 0.0081330 | 15.440 |
|----------|----------|----------|-----------|--------|
| 9113455  | 0.012540 | 0.015610 | 0.0032300 | 14.800 |
| 9113514  | 0.003934 | 0.026930 | 0.0029790 | 11.150 |
| 9113538  | 0.023110 | 0.016730 | 0.0113000 | 21.570 |
| 911366   | 0.018410 | 0.018070 | 0.0052170 | 13.360 |
| 9113778  | 0.009883 | 0.019600 | 0.0039130 | 11.140 |
| 9113816  | 0.011830 | 0.020470 | 0.0038830 | 13.600 |
| 911384   | 0.008399 | 0.011480 | 0.0023790 | 17.180 |
| 9113846  | 0.000000 | 0.031410 | 0.0031360 | 13.450 |
| 911391   | 0.006691 | 0.012120 | 0.0046720 | 11.940 |
| 911408   | 0.008360 | 0.016010 | 0.0022890 | 14.090 |
| 911654   | 0.013500 | 0.016100 | 0.0027440 | 16.450 |
| 911673   | 0.004832 | 0.013160 | 0.0020950 | 15.140 |
| 911685   | 0.008038 | 0.018430 | 0.0036140 | 12.400 |
| 911916   | 0.022150 | 0.027730 | 0.0063550 | 17.390 |
| 912193   | 0.005161 | 0.014540 | 0.0018580 | 13.340 |
| 91227    | 0.006275 | 0.010620 | 0.0022170 | 16.410 |
| 912519   | 0.008791 | 0.016980 | 0.0027870 | 14.830 |
| 912558   | 0.009233 | 0.012850 | 0.0015240 | 14.960 |
| 912600   | 0.010670 | 0.011750 | 0.0022560 | 17.010 |
| 913063   | 0.027210 | 0.032320 | 0.0096270 | 13.780 |
| 913102   | 0.006144 | 0.012540 | 0.0012190 | 16.460 |
| 913505   | 0.011760 | 0.017170 | 0.0032110 | 23.960 |
| 913512   | 0.011670 | 0.021520 | 0.0032130 | 13.320 |
| 913535   | 0.005297 | 0.019610 | 0.0017000 | 19.180 |
| 91376701 | 0.004551 | 0.016080 | 0.0023990 | 14.170 |
| 91376702 | 0.007437 | 0.013020 | 0.0013090 | 19.820 |
| 914062   | 0.016480 | 0.028970 | 0.0039960 | 21.530 |
| 914101   | 0.007895 | 0.028690 | 0.0048210 | 13.190 |
| 914102   | 0.005564 | 0.020860 | 0.0027010 | 14.500 |
| 914333   | 0.011830 | 0.019590 | 0.0018120 | 16.010 |
| 914366   | 0.010320 | 0.017590 | 0.0035630 | 14.380 |
| 914580   | 0.007096 | 0.015360 | 0.0015410 | 14.060 |
| 914769   | 0.015730 | 0.016170 | 0.0052550 | 22.750 |
| 91485    | 0.014790 | 0.011170 | 0.0037270 | 23.860 |
| 914862   | 0.010040 | 0.010550 | 0.0032370 | 16.760 |
| 91504    | 0.016160 | 0.024340 | 0.0069950 | 16.010 |
| 91505    | 0.011610 | 0.028010 | 0.0024800 | 13.570 |
| 915143   | 0.021560 | 0.022010 | 0.0028970 | 30.790 |
| 915186   | 0.021880 | 0.025420 | 0.0104500 | 10.280 |
| 915276   | 0.014500 | 0.026320 | 0.0114800 | 10.600 |
| 91544001 | 0.009894 | 0.013200 | 0.0038130 | 13.160 |
| 91544002 | 0.012850 | 0.022200 | 0.0083130 | 11.690 |
| 915452   | 0.014310 | 0.013440 | 0.0025690 | 17.320 |
| 915460   | 0.020410 | 0.021050 | 0.0060000 | 17.110 |
| 91550    | 0.015280 | 0.022600 | 0.0068220 | 12.450 |
| 915664   | 0.010560 | 0.015800 | 0.0017790 | 15.610 |
| 915691   | 0.013340 | 0.017050 | 0.0040050 | 16.410 |
| 915940   | 0.008648 | 0.015390 | 0.0022810 | 16.760 |
| 91594602 | 0.009423 | 0.011520 | 0.0017180 | 17.580 |
| 916221   | 0.011070 | 0.024340 | 0.0012170 | 12.470 |
|          |          |          |           |        |

| 916799   | 0.010460 | 0.015590 | 0.0027250 | 21.860 |
|----------|----------|----------|-----------|--------|
| 916838   | 0.011780 | 0.010570 | 0.0033910 | 23.730 |
| 917062   | 0.012440 | 0.018160 | 0.0032990 | 15.050 |
| 917080   | 0.009199 | 0.018050 | 0.0036290 | 14.450 |
| 917092   | 0.015800 | 0.039970 | 0.0039010 | 10.570 |
| 91762702 | 0.015970 | 0.018790 | 0.0047600 | 29.920 |
| 91789    | 0.004065 | 0.014870 | 0.0022950 | 11.930 |
| 917896   | 0.013520 | 0.018700 | 0.0037470 | 15.110 |
| 917897   | 0.006801 | 0.018240 | 0.0034940 | 11.240 |
| 91805    | 0.007320 | 0.015920 | 0.0039250 | 9.473  |
| 91813701 | 0.007369 | 0.013540 | 0.0017870 | 15.350 |
| 91813702 | 0.005740 | 0.011290 | 0.0013660 | 13.610 |
| 918192   | 0.028530 | 0.017150 | 0.0055280 | 14.620 |
| 918465   | 0.007986 | 0.019620 | 0.0022340 | 13.450 |
| 91858    | 0.013160 | 0.018350 | 0.0023180 | 13.500 |
| 91903901 | 0.005298 | 0.014490 | 0.0026710 | 13.350 |
| 91903902 | 0.005077 | 0.010540 | 0.0016970 | 15.850 |
| 91930402 | 0.016990 | 0.028160 | 0.0027190 | 23.230 |
| 919537   | 0.013460 | 0.013220 | 0.0035340 | 11.620 |
| 919555   | 0.014210 | 0.019480 | 0.0026890 | 24.300 |
| 91979701 | 0.012760 | 0.014510 | 0.0037560 | 15.290 |
| 919812   | 0.017660 | 0.015600 | 0.0058240 | 12.980 |
| 921092   | 0.000000 | 0.028820 | 0.0068720 | 9.077  |
| 921362   | 0.013640 | 0.021050 | 0.0075510 | 8.678  |
| 921385   | 0.014940 | 0.018400 | 0.0055120 | 12.260 |
| 921386   | 0.011620 | 0.020680 | 0.0061110 | 16.220 |
| 921644   | 0.012690 | 0.018700 | 0.0026260 | 16.510 |
| 922296   | 0.009117 | 0.017240 | 0.0013430 | 14.370 |
| 922297   | 0.009061 | 0.014900 | 0.0035990 | 15.050 |
| 922576   | 0.009064 | 0.020870 | 0.0025830 | 15.350 |
| 922577   | 0.005495 | 0.015600 | 0.0026060 | 11.250 |
| 922840   | 0.010970 | 0.022770 | 0.0058900 | 10.830 |
| 923169   | 0.009615 | 0.022030 | 0.0041540 | 10.930 |
| 923465   | 0.005917 | 0.024660 | 0.0029770 | 13.030 |
| 923748   | 0.000000 | 0.030040 | 0.0022280 | 11.660 |
| 923780   | 0.010240 | 0.029120 | 0.0047230 | 12.020 |
| 924084   | 0.009305 | 0.018970 | 0.0017260 | 13.870 |
| 924342   | 0.012820 | 0.037590 | 0.0046230 | 9.845  |
| 924632   | 0.007620 | 0.016950 | 0.0028010 | 13.890 |
| 924934   | 0.017210 | 0.018430 | 0.0049380 | 10.840 |
| 924964   | 0.007082 | 0.025720 | 0.0022780 | 10.650 |
| 925236   | 0.00000  | 0.030040 | 0.0033240 | 10.490 |
| 925277   | 0.016060 | 0.016380 | 0.0044060 | 15.480 |
| 925291   | 0.012670 | 0.014880 | 0.0047380 | 12.480 |
| 925292   | 0.016260 | 0.020800 | 0.0053040 | 15.300 |
| 925311   | 0.00000  | 0.019890 | 0.0017730 | 11.920 |
| 925622   | 0.016080 | 0.021370 | 0.0061420 | 17.520 |
| 926125   | 0.026240 | 0.020570 | 0.0062130 | 24.290 |
| 926424   | 0.024540 | 0.011140 | 0.0042390 | 25.450 |
| 926682   | 0.016780 | 0.018980 | 0.0024980 | 23.690 |
| 926954   | 0.015570 | 0.013180 | 0.0038920 | 18.980 |
|          |          |          |           |        |

| 927241   | 0.016 |                 |        | 0.0061850 | 25.740     |
|----------|-------|-----------------|--------|-----------|------------|
| 92751    | 0.000 |                 |        | 0.0027830 | 9.456      |
|          |       | perimeter_worst |        |           |            |
| 842302   | 17.33 | 184.60          | 2019.0 | 0.1622    | -          |
| 842517   | 23.41 | 158.80          | 1956.0 | 0.1238    | 80         |
| 84300903 | 25.53 | 152.50          | 1709.0 | 0.1444    |            |
| 84348301 | 26.50 | 98.87           | 567.7  | 0.2098    |            |
| 84358402 | 16.67 | 152.20          | 1575.0 | 0.1374    | -          |
| 843786   | 23.75 | 103.40          | 741.6  | 0.1791    |            |
| 844359   | 27.66 | 153.20          | 1606.0 | 0.1442    | 20         |
| 84458202 | 28.14 | 110.60          | 897.0  | 0.1654    | 10         |
| 844981   | 30.73 | 106.20          | 739.3  | 0.1703    |            |
| 84501001 | 40.68 | 97.65           | 711.4  | 0.1853    | 80         |
| 845636   | 33.88 | 123.80          | 1150.0 | 0.1181    |            |
| 84610002 | 27.28 | 136.50          | 1299.0 | 0.1396    | 50         |
| 846226   | 29.94 | 151.70          | 1332.0 | 0.1037    | <b>'</b> 0 |
| 846381   | 27.66 | 112.00          | 876.5  | 0.1131    | .0         |
| 84667401 | 32.01 | 108.80          | 697.7  | 0.1651    | .0         |
| 84799002 | 37.13 | 124.10          | 943.2  | 0.1678    | 80         |
| 848406   | 30.88 | 123.40          | 1138.0 | 0.1464    | 10         |
| 84862001 | 31.48 | 136.80          | 1315.0 | 0.1789    | 00         |
| 849014   | 30.88 | 186.80          | 2398.0 | 0.1512    | 20         |
| 8510426  | 19.26 | 99.70           | 711.2  | 0.1440    | 00         |
| 8510653  | 20.49 | 96.09           | 630.5  | 0.1312    | 20         |
| 8510824  | 15.66 | 65.13           | 314.9  | 0.1324    | 10         |
| 8511133  | 19.08 | 125.10          | 980.9  | 0.1390    | 00         |
| 851509   | 35.59 | 188.00          | 2615.0 | 0.1401    | .0         |
| 852552   | 31.56 | 177.00          | 2215.0 | 0.1805    | 50         |
| 852631   | 21.40 | 152.40          | 1461.0 | 0.1545    | 50         |
| 852763   | 33.21 | 122.40          | 896.9  | 0.1525    | 50         |
| 852781   | 27.26 | 139.90          | 1403.0 | 0.1338    |            |
| 852973   | 36.71 | 149.30          | 1269.0 | 0.1641    |            |
| 853201   | 19.52 | 134.90          | 1227.0 | 0.1255    | 50         |
| 853401   | 34.01 | 160.50          | 1670.0 | 0.1491    | .0         |
| 853612   | 28.12 | 119.40          | 888.7  | 0.1637    | <b>'</b> 0 |
| 85382601 | 32.09 | 136.10          | 1344.0 | 0.1634    | 10         |
| 854002   | 30.90 | 161.40          | 1813.0 | 0.1509    |            |
| 854039   | 27.26 | 132.70          | 1261.0 | 0.1446    | 50         |
| 854253   | 29.02 | 133.50          | 1229.0 | 0.1563    | 80         |
| 854268   | 30.36 | 116.20          | 799.6  | 0.1446    |            |
| 854941   | 22.81 | 84.46           | 545.9  | 0.0970    | 1          |
| 855133   | 25.20 | 95.54           | 698.8  | 0.0938    | 37         |
| 855138   | 26.02 | 107.30          | 740.4  | 0.1610    |            |
| 855167   | 30.25 | 102.50          | 787.9  | 0.1094    |            |
| 855563   | 35.34 | 87.22           | 514.0  | 0.1909    |            |
| 855625   | 33.17 | 177.40          | 1651.0 | 0.1247    | <b>'</b> 0 |
| 856106   | 28.00 | 113.10          | 907.2  | 0.1530    | 00         |
| 85638502 | 29.89 | 105.50          | 740.7  | 0.1503    |            |
| 857010   | 21.32 | 150.60          | 1567.0 | 0.1679    |            |
| 85713702 | 21.96 | 57.26           | 242.2  | 0.1297    |            |
| 85715    | 27.95 | 102.80          | 759.4  | 0.1786    | 50         |

| 857155   | 20.70 | 89.88  | 582.6  | 0.14940 |
|----------|-------|--------|--------|---------|
| 857156   | 31.82 | 99.00  | 698.8  | 0.11620 |
| 857343   | 25.72 | 82.98  | 516.5  | 0.10850 |
| 857373   | 23.19 | 96.08  | 656.7  | 0.10890 |
| 857374   | 21.33 | 83.67  | 527.2  | 0.11440 |
| 857392   | 24.13 | 135.10 | 1321.0 | 0.12800 |
| 857438   | 31.69 | 117.70 | 1030.0 | 0.13890 |
| 85759902 | 22.47 | 81.81  | 506.2  | 0.12490 |
| 857637   | 28.14 | 170.10 | 2145.0 | 0.16240 |
| 857793   | 30.70 | 115.70 | 985.5  | 0.13680 |
| 857810   | 22.25 | 90.24  | 624.1  | 0.10210 |
| 858477   | 15.40 | 59.90  | 274.9  | 0.17330 |
| 858970   | 17.45 | 69.86  | 368.6  | 0.12750 |
| 858981   | 27.04 | 62.06  | 273.9  | 0.16390 |
| 858986   | 29.51 | 119.10 | 959.5  | 0.16400 |
| 859196   | 19.23 | 65.59  | 310.1  | 0.09836 |
| 85922302 | 33.47 | 111.80 | 888.3  | 0.18510 |
| 859283   | 33.39 | 114.60 | 925.1  | 0.16480 |
| 859464   | 31.56 | 67.03  | 330.7  | 0.15480 |
| 859465   | 23.84 | 78.00  | 466.7  | 0.12900 |
| 859471   | 22.65 | 65.50  | 324.7  | 0.14820 |
| 859487   | 19.76 | 85.67  | 554.9  | 0.12960 |
| 859575   | 26.58 | 165.90 | 1866.0 | 0.11930 |
| 859711   | 15.67 | 62.56  | 284.4  | 0.12070 |
| 859717   | 33.82 | 151.60 | 1681.0 | 0.15850 |
| 859983   | 20.86 | 110.30 | 812.4  | 0.14110 |
| 8610175  | 23.21 | 89.71  | 611.1  | 0.11760 |
| 8610404  | 24.56 | 128.80 | 1223.0 | 0.15000 |
| 8610629  | 12.49 | 91.36  | 605.5  | 0.14510 |
| 8610637  | 18.91 | 150.10 | 1610.0 | 0.14780 |
| 8610862  | 31.72 | 170.30 | 1623.0 | 0.16390 |
| 8610908  | 24.82 | 91.88  | 622.1  | 0.12890 |
| 861103   | 32.16 | 84.53  | 525.1  | 0.15570 |
| 8611161  | 23.19 | 96.66  | 614.9  | 0.15360 |
| 8611555  | 33.62 | 211.70 | 2562.0 | 0.15730 |
| 8611792  | 32.72 | 141.30 | 1298.0 | 0.13920 |
| 8612080  | 24.90 | 87.78  | 567.9  | 0.13770 |
| 8612399  | 27.68 | 152.20 | 1603.0 | 0.13980 |
| 86135501 | 29.25 | 108.40 | 808.9  | 0.13060 |
| 86135502 | 30.41 | 152.90 | 1623.0 | 0.12490 |
| 861597   | 30.50 | 91.46  | 574.7  | 0.13040 |
| 861598   | 18.24 | 109.40 | 803.6  | 0.12770 |
| 861648   | 29.11 | 102.90 | 803.7  | 0.11150 |
| 861799   | 25.84 | 107.50 | 830.9  | 0.12570 |
| 861853   | 22.35 | 104.50 | 830.6  | 0.10060 |
| 862009   | 25.94 | 97.59  | 699.4  | 0.13390 |
| 862028   | 24.23 | 123.50 | 1025.0 | 0.15510 |
| 86208    | 31.59 | 156.10 | 1750.0 | 0.11900 |
| 86211    | 20.92 | 82.14  | 495.2  | 0.11400 |
| 862261   | 26.29 | 68.81  | 366.1  | 0.13160 |
| 862485   | 17.16 | 82.96  | 512.5  | 0.14310 |
|          |       |        |        |         |

| 862548   | 30.86 | 109.50 | 826.4  | 0.14310 |
|----------|-------|--------|--------|---------|
| 862717   | 35.27 | 108.60 | 906.5  | 0.12650 |
| 862722   | 19.54 | 50.41  | 185.2  | 0.15840 |
| 862965   | 32.84 | 84.58  | 547.8  | 0.11230 |
| 862980   | 26.83 | 72.22  | 361.2  | 0.15590 |
| 862989   | 23.31 | 74.22  | 402.8  | 0.12190 |
| 863030   | 22.40 | 106.40 | 827.2  | 0.18620 |
| 863031   | 29.26 | 85.51  | 521.7  | 0.16880 |
| 863270   | 27.49 | 85.56  | 544.1  | 0.11840 |
| 86355    | 28.01 | 206.80 | 2360.0 | 0.17010 |
| 864018   | 29.15 | 83.99  | 518.1  | 0.16990 |
| 864033   | 21.47 | 71.68  | 367.0  | 0.14670 |
| 86408    | 25.47 | 89.00  | 527.4  | 0.12870 |
| 86409    | 23.73 | 107.00 | 709.0  | 0.08949 |
| 864292   | 22.75 | 72.62  | 374.4  | 0.13000 |
| 864496   | 19.62 | 64.48  | 284.4  | 0.17240 |
| 864685   | 26.15 | 87.54  | 583.0  | 0.15000 |
| 864726   | 17.07 | 63.34  | 270.0  | 0.11790 |
| 864729   | 27.37 | 127.10 | 1095.0 | 0.18780 |
| 864877   | 30.50 | 130.30 | 1272.0 | 0.18550 |
| 865128   | 27.83 | 129.20 | 1261.0 | 0.10720 |
| 865137   | 15.97 | 83.74  | 510.5  | 0.15480 |
| 86517    | 24.90 | 145.40 | 1549.0 | 0.15030 |
| 865423   | 23.99 | 180.90 | 2073.0 | 0.16960 |
| 865432   | 15.98 | 102.80 | 745.5  | 0.13130 |
| 865468   | 22.75 | 91.99  | 632.1  | 0.10250 |
| 86561    | 23.58 | 100.30 | 725.9  | 0.11570 |
| 866083   | 35.64 | 113.20 | 848.7  | 0.14710 |
| 866203   | 25.73 | 148.20 | 1538.0 | 0.10210 |
| 866458   | 18.33 | 105.90 | 762.6  | 0.13860 |
| 866674   | 33.58 | 148.70 | 1589.0 | 0.12750 |
| 866714   | 17.81 | 91.38  | 545.2  | 0.14270 |
| 8670     | 26.00 | 124.90 | 1156.0 | 0.15460 |
| 86730502 | 31.68 | 129.70 | 1175.0 | 0.13950 |
| 867387   | 19.25 | 114.30 | 922.8  | 0.12230 |
| 867739   | 31.39 | 145.60 | 1590.0 | 0.14650 |
| 868202   | 33.37 | 92.04  | 653.6  | 0.14190 |
| 868223   | 25.48 | 86.16  | 546.7  | 0.12710 |
| 868682   | 22.02 | 79.93  | 462.0  | 0.11900 |
| 868826   | 21.43 | 121.40 | 971.4  | 0.14110 |
| 868871   | 15.77 | 76.53  | 434.0  | 0.13670 |
| 868999   | 14.10 | 66.53  | 342.9  | 0.12340 |
| 869104   | 25.27 | 129.00 | 1233.0 | 0.13140 |
| 869218   | 26.76 | 82.66  | 503.0  | 0.14130 |
| 869224   | 21.82 | 97.17  | 643.8  | 0.13120 |
| 869254   | 20.72 | 77.79  | 441.2  | 0.10760 |
| 869476   | 16.51 | 86.26  | 509.6  | 0.14240 |
| 869691   | 26.38 | 91.93  | 591.7  | 0.13850 |
| 86973701 | 25.47 | 107.10 | 809.7  | 0.09970 |
| 86973702 | 19.85 | 108.60 | 766.9  | 0.13160 |
| 869931   | 22.46 | 97.19  | 725.9  | 0.09711 |
|          |       |        |        |         |

| 871001501 | 24.11 | 90.82  | 616.7  | 0.12970 |
|-----------|-------|--------|--------|---------|
| 871001502 | 29.72 | 58.08  | 249.8  | 0.16300 |
| 8710441   | 19.49 | 71.04  | 380.5  | 0.12920 |
| 87106     | 16.30 | 76.25  | 440.8  | 0.13410 |
| 8711002   | 20.50 | 97.67  | 677.3  | 0.14780 |
| 8711003   | 25.22 | 86.60  | 564.2  | 0.12170 |
| 8711202   | 25.11 | 132.90 | 1302.0 | 0.14180 |
| 8711216   | 28.07 | 120.30 | 1032.0 | 0.08774 |
| 871122    | 18.41 | 84.08  | 532.8  | 0.12750 |
| 871149    | 18.20 | 78.07  | 470.0  | 0.11710 |
| 8711561   | 26.21 | 88.91  | 543.9  | 0.13580 |
| 8711803   | 17.81 | 146.60 | 1495.0 | 0.11240 |
| 871201    | 26.39 | 174.90 | 2232.0 | 0.14380 |
| 8712064   | 28.68 | 87.36  | 553.0  | 0.14520 |
| 8712289   | 28.22 | 184.20 | 2403.0 | 0.12280 |
| 8712291   | 25.82 | 102.30 | 782.1  | 0.10450 |
| 87127     | 12.02 | 73.66  | 414.0  | 0.14360 |
| 8712729   | 26.30 | 130.70 | 1260.0 | 0.11680 |
| 8712766   | 32.33 | 155.30 | 1660.0 | 0.13760 |
| 8712853   | 23.00 | 104.60 | 793.7  | 0.12160 |
| 87139402  | 15.64 | 86.97  | 549.1  | 0.13850 |
| 87163     | 29.87 | 116.60 | 993.6  | 0.14010 |
| 87164     | 17.04 | 125.00 | 1102.0 | 0.15310 |
| 871641    | 16.82 | 72.01  | 396.5  | 0.12160 |
| 871642    | 19.20 | 73.20  | 408.3  | 0.10760 |
| 872113    | 17.04 | 58.36  | 259.2  | 0.11620 |
| 872608    | 24.39 | 73.07  | 390.2  | 0.13010 |
| 87281702  | 28.45 | 123.50 | 981.2  | 0.14150 |
| 873357    | 29.02 | 88.18  | 608.8  | 0.08125 |
| 873586    | 16.15 | 86.70  | 570.7  | 0.11620 |
| 873592    | 32.85 | 220.80 | 3216.0 | 0.14720 |
| 873593    | 33.48 | 176.50 | 2089.0 | 0.14910 |
| 873701    | 32.82 | 129.30 | 1269.0 | 0.14140 |
| 873843    | 17.70 | 79.12  | 467.2  | 0.11210 |
| 873885    | 28.03 | 113.80 | 973.1  | 0.13010 |
| 874158    | 21.18 | 75.39  | 437.0  | 0.15210 |
| 874217    | 26.36 | 139.20 | 1410.0 | 0.12340 |
| 874373    | 21.39 | 84.42  | 521.5  | 0.13230 |
| 874662    | 26.48 | 79.57  | 489.5  | 0.13560 |
| 874839    | 19.59 | 86.65  | 546.7  | 0.10960 |
| 874858    | 37.18 | 106.40 | 762.4  | 0.15330 |
| 875093    | 23.50 | 89.04  | 579.5  | 0.09388 |
| 875099    | 20.83 | 62.25  | 303.8  | 0.07117 |
| 875263    | 39.34 | 101.70 | 768.9  | 0.17850 |
| 87556202  | 27.78 | 118.60 | 784.7  | 0.13160 |
| 875878    | 22.00 | 90.81  | 600.6  | 0.10970 |
| 875938    | 34.01 | 111.60 | 806.9  | 0.17370 |
| 877159    | 24.70 | 129.10 | 1228.0 | 0.08822 |
| 877486    | 32.06 | 166.40 | 1688.0 | 0.13220 |
| 877500    | 30.12 | 117.90 | 1044.0 | 0.15520 |
| 877501    | 28.36 | 92.15  | 638.4  | 0.14290 |
|           |       |        |        |         |

| 877989    | 25.84 | 139.50 | 1239.0 | 0.13810 |
|-----------|-------|--------|--------|---------|
| 878796    | 32.68 | 177.00 | 1986.0 | 0.15360 |
| 87880     | 41.85 | 128.50 | 1153.0 | 0.22260 |
| 87930     | 24.64 | 96.05  | 677.9  | 0.14260 |
| 879523    | 20.24 | 117.70 | 989.5  | 0.14910 |
| 879804    | 23.22 | 67.08  | 331.6  | 0.14150 |
| 879830    | 25.05 | 130.00 | 1210.0 | 0.11110 |
| 8810158   | 29.16 | 99.48  | 639.3  | 0.13490 |
| 8810436   | 15.92 | 113.70 | 932.7  | 0.12220 |
| 881046502 | 27.84 | 158.30 | 1656.0 | 0.11780 |
| 8810528   | 24.99 | 85.22  | 546.3  | 0.12800 |
| 8810703   | 18.47 | 188.50 | 2499.0 | 0.11420 |
| 881094802 | 28.07 | 120.40 | 1021.0 | 0.12430 |
| 8810955   | 34.85 | 115.00 | 811.3  | 0.15590 |
| 8810987   | 26.93 | 104.40 | 750.1  | 0.14600 |
| 8811523   | 27.10 | 86.20  | 531.2  | 0.14050 |
| 8811779   | 24.47 | 75.40  | 403.7  | 0.09527 |
| 8811842   | 28.64 | 170.30 | 2009.0 | 0.13530 |
| 88119002  | 45.41 | 180.20 | 2477.0 | 0.14080 |
| 8812816   | 16.35 | 99.71  | 706.2  | 0.13110 |
| 8812818   | 17.13 | 101.10 | 686.6  | 0.13760 |
| 8812844   | 22.84 | 71.94  | 375.6  | 0.14060 |
| 8812877   | 30.29 | 125.90 | 1088.0 | 0.15520 |
| 8813129   | 23.60 | 98.84  | 708.8  | 0.12760 |
| 88143502  | 16.90 | 110.40 | 873.2  | 0.12970 |
| 88147101  | 19.80 | 73.47  | 395.4  | 0.13410 |
| 88147102  | 19.31 | 114.20 | 808.2  | 0.11360 |
| 88147202  | 31.31 | 90.67  | 624.0  | 0.12270 |
| 881861    | 30.15 | 105.30 | 706.0  | 0.17770 |
| 881972    | 24.89 | 133.50 | 1189.0 | 0.17030 |
| 88199202  | 33.75 | 79.82  | 452.3  | 0.09203 |
| 88203002  | 41.78 | 78.44  | 470.9  | 0.09994 |
| 88206102  | 37.38 | 162.70 | 1872.0 | 0.12230 |
| 882488    | 19.16 | 65.74  | 335.9  | 0.15040 |
| 88249602  | 30.28 | 98.27  | 715.5  | 0.12870 |
| 88299702  | 34.51 | 206.00 | 2944.0 | 0.14810 |
| 883263    | 26.17 | 161.70 | 1750.0 | 0.12280 |
| 883270    | 40.54 | 102.50 | 764.0  | 0.10810 |
| 88330202  | 44.87 | 141.20 | 1408.0 | 0.13650 |
| 88350402  | 19.05 | 94.11  | 683.4  | 0.12780 |
| 883539    | 20.37 | 83.85  | 543.4  | 0.10370 |
| 883852    | 27.96 | 87.16  | 472.9  | 0.13470 |
| 88411702  | 26.34 | 98.00  | 706.0  | 0.09368 |
| 884180    | 30.53 | 144.90 | 1417.0 | 0.14630 |
| 884437    | 29.46 | 73.68  | 402.8  | 0.15150 |
| 884448    | 27.82 | 88.28  | 602.0  | 0.11010 |
| 884626    | 17.70 | 105.00 | 639.1  | 0.12540 |
| 88466802  | 35.19 | 77.98  | 455.7  | 0.14990 |
| 884689    | 21.19 | 80.88  | 491.8  | 0.13890 |
| 884948    | 27.00 | 165.30 | 2010.0 | 0.12110 |
| 88518501  | 22.46 | 83.12  | 508.9  | 0.11830 |
|           |       |        |        |         |

| 885429   | 25.59 | 159.80 | 1933.0 | 0.17100 |
|----------|-------|--------|--------|---------|
| 8860702  | 25.09 | 130.90 | 1222.0 | 0.14160 |
| 886226   | 24.57 | 163.10 | 1972.0 | 0.14970 |
| 886452   | 22.07 | 108.10 | 826.0  | 0.15120 |
| 88649001 | 36.27 | 178.60 | 1926.0 | 0.12810 |
| 886776   | 22.66 | 119.80 | 928.8  | 0.17650 |
| 887181   | 31.64 | 143.70 | 1226.0 | 0.15040 |
| 88725602 | 49.54 | 126.30 | 1035.0 | 0.18830 |
| 887549   | 39.16 | 162.30 | 1844.0 | 0.15220 |
| 888264   | 31.47 | 128.20 | 1218.0 | 0.12400 |
| 888570   | 27.24 | 137.90 | 1295.0 | 0.11340 |
| 889403   | 31.67 | 115.90 | 988.6  | 0.10840 |
| 889719   | 29.33 | 140.50 | 1436.0 | 0.15580 |
| 88995002 | 47.16 | 214.00 | 3432.0 | 0.14010 |
| 8910251  | 22.94 | 78.28  | 424.8  | 0.12130 |
| 8910499  | 30.04 | 97.66  | 661.5  | 0.10050 |
| 8910506  | 23.64 | 89.27  | 597.5  | 0.12560 |
| 8910720  | 25.21 | 76.51  | 410.4  | 0.13350 |
| 8910721  | 20.65 | 94.44  | 684.6  | 0.08567 |
| 8910748  | 16.18 | 78.27  | 457.5  | 0.13580 |
| 8910988  | 28.18 | 195.90 | 2384.0 | 0.12720 |
| 8910996  | 20.88 | 68.09  | 355.2  | 0.14670 |
| 8911163  | 34.69 | 135.10 | 1320.0 | 0.13150 |
| 8911164  | 18.99 | 79.46  | 472.4  | 0.13590 |
| 8911230  | 18.99 | 77.37  | 458.0  | 0.12590 |
| 8911670  | 24.30 | 129.00 | 1236.0 | 0.12430 |
| 8911800  | 26.10 | 98.91  | 739.1  | 0.10500 |
| 8911834  | 21.74 | 98.37  | 670.0  | 0.11850 |
| 8912049  | 35.90 | 159.80 | 1724.0 | 0.17820 |
| 8912055  | 18.26 | 84.70  | 533.7  | 0.10360 |
| 89122    | 28.65 | 152.40 | 1628.0 | 0.15180 |
| 8912280  | 25.09 | 126.90 | 1031.0 | 0.13650 |
| 8912284  | 19.69 | 92.12  | 595.6  | 0.09926 |
| 8912521  | 23.08 | 85.56  | 564.1  | 0.10380 |
| 8912909  | 27.29 | 92.20  | 546.1  | 0.11160 |
| 8913     | 15.54 | 87.40  | 577.0  | 0.09616 |
| 8913049  | 22.33 | 78.27  | 437.6  | 0.10280 |
| 89143601 | 26.14 | 79.29  | 459.3  | 0.11180 |
| 89143602 | 22.13 | 101.70 | 767.3  | 0.09983 |
| 8915     | 26.19 | 109.10 | 809.8  | 0.13130 |
| 891670   | 19.93 | 88.81  | 585.4  | 0.14830 |
| 891703   | 25.75 | 84.35  | 517.8  | 0.13690 |
| 891716   | 17.48 | 88.54  | 553.7  | 0.12980 |
| 891923   | 16.93 | 94.17  | 661.1  | 0.11700 |
| 891936   | 14.82 | 72.42  | 392.2  | 0.09312 |
| 892189   | 23.39 | 85.10  | 553.6  | 0.11370 |
| 892214   | 25.26 | 105.80 | 819.7  | 0.09445 |
| 892399   | 24.22 | 70.10  | 362.7  | 0.11430 |
| 892438   | 26.24 | 171.10 | 2053.0 | 0.14950 |
| 892604   | 23.07 | 88.13  | 551.3  | 0.10500 |
| 89263202 | 29.43 | 158.80 | 1696.0 | 0.13470 |
|          |       |        |        |         |

| 892657   | 24.54 | 70.76  | 375.4  | 0.14130 |
|----------|-------|--------|--------|---------|
| 89296    | 21.61 | 82.69  | 489.8  | 0.11440 |
| 893061   | 31.62 | 81.39  | 476.5  | 0.09545 |
| 89344    | 20.45 | 92.00  | 636.9  | 0.11280 |
| 89346    | 20.07 | 60.90  | 285.5  | 0.09861 |
| 893526   | 16.94 | 95.48  | 698.7  | 0.09023 |
| 893548   | 17.40 | 93.96  | 672.4  | 0.10160 |
| 893783   | 26.55 | 80.92  | 483.1  | 0.12230 |
| 89382601 | 21.75 | 103.70 | 840.8  | 0.10110 |
| 89382602 | 16.40 | 92.04  | 618.8  | 0.11940 |
| 893988   | 12.87 | 81.23  | 467.8  | 0.10920 |
| 894047   | 22.44 | 56.65  | 240.1  | 0.13470 |
| 894089   | 19.71 | 84.48  | 544.2  | 0.11040 |
| 894090   | 16.47 | 81.60  | 513.1  | 0.10010 |
| 894326   | 25.00 | 140.90 | 1485.0 | 0.14340 |
| 894329   | 23.40 | 68.62  | 297.1  | 0.12210 |
| 894335   | 20.21 | 81.76  | 515.9  | 0.08409 |
| 894604   | 20.61 | 71.53  | 390.4  | 0.14020 |
| 894618   | 23.03 | 150.20 | 1657.0 | 0.10540 |
| 894855   | 21.08 | 92.80  | 599.5  | 0.15470 |
| 895100   | 31.86 | 171.10 | 1938.0 | 0.15920 |
| 89511501 | 21.38 | 91.11  | 583.1  | 0.12560 |
| 89511502 | 21.10 | 88.70  | 574.4  | 0.13840 |
| 89524    | 18.00 | 98.40  | 749.9  | 0.12810 |
| 895299   | 22.25 | 82.74  | 523.4  | 0.10130 |
| 8953902  | 30.38 | 129.80 | 1121.0 | 0.15900 |
| 895633   | 25.21 | 113.70 | 975.2  | 0.14260 |
| 896839   | 21.98 | 124.30 | 1070.0 | 0.14350 |
| 896864   | 21.95 | 99.21  | 634.3  | 0.12880 |
| 897132   | 25.78 | 76.91  | 436.1  | 0.14240 |
| 897137   | 22.06 | 82.08  | 492.7  | 0.11660 |
| 897374   | 28.46 | 84.53  | 544.3  | 0.12220 |
| 89742801 | 33.15 | 143.20 | 1362.0 | 0.14490 |
| 897604   | 16.91 | 87.38  | 576.0  | 0.11420 |
| 897630   | 34.37 | 161.10 | 1873.0 | 0.14980 |
| 897880   | 26.84 | 71.98  | 384.0  | 0.14020 |
| 89812    | 30.73 | 202.40 | 2906.0 | 0.15150 |
| 89813    | 21.51 | 111.40 | 862.1  | 0.12940 |
| 898143   | 23.07 | 71.25  | 353.6  | 0.12330 |
| 89827    | 19.90 | 79.76  | 440.0  | 0.14180 |
| 898431   | 34.66 | 157.60 | 1540.0 | 0.12180 |
| 89864002 | 18.16 | 84.16  | 516.4  | 0.14600 |
| 898677   | 19.48 | 70.89  | 357.1  | 0.13600 |
| 898678   | 27.06 | 86.54  | 562.6  | 0.12890 |
| 89869    | 17.93 | 114.20 | 880.8  | 0.12200 |
| 898690   | 20.79 | 79.67  | 475.8  | 0.15310 |
| 899147   | 17.72 | 83.09  | 496.2  | 0.12930 |
| 899187   | 19.74 | 83.61  | 542.5  | 0.09958 |
| 899667   | 24.17 | 119.40 | 915.3  | 0.15500 |
| 899987   | 23.58 | 229.30 | 3234.0 | 0.15300 |
| 9010018  | 33.22 | 121.20 | 1050.0 | 0.16600 |
|          |       |        |        |         |

| 901011    | 15.82 | 79.62  | 453.5  | 0.08864 |
|-----------|-------|--------|--------|---------|
| 9010258   | 22.43 | 89.02  | 547.4  | 0.10960 |
| 9010259   | 24.85 | 94.22  | 591.2  | 0.13430 |
| 901028    | 25.58 | 96.74  | 694.4  | 0.11530 |
| 9010333   | 17.70 | 65.27  | 302.0  | 0.10150 |
| 901034301 | 25.02 | 75.79  | 439.6  | 0.13330 |
| 901034302 | 20.98 | 86.82  | 585.7  | 0.09293 |
| 901041    | 29.20 | 92.94  | 621.2  | 0.11400 |
| 9010598   | 25.99 | 87.82  | 579.7  | 0.12980 |
| 9010872   | 25.45 | 117.20 | 1009.0 | 0.13380 |
| 9010877   | 21.70 | 93.76  | 663.5  | 0.12130 |
| 901088    | 26.37 | 161.20 | 1780.0 | 0.13270 |
| 9011494   | 33.81 | 160.00 | 1671.0 | 0.12780 |
| 9011495   | 24.04 | 93.85  | 624.6  | 0.13680 |
| 9011971   | 26.44 | 199.50 | 3143.0 | 0.13630 |
| 9012000   | 25.80 | 195.00 | 2227.0 | 0.12940 |
| 9012315   | 31.03 | 129.30 | 1165.0 | 0.14150 |
| 9012568   | 15.73 | 104.50 | 819.1  | 0.11260 |
| 9012795   | 21.84 | 152.10 | 1535.0 | 0.11920 |
| 901288    | 23.17 | 166.80 | 1946.0 | 0.15620 |
| 9013005   | 20.21 | 99.16  | 670.6  | 0.11050 |
| 901303    | 19.14 | 113.10 | 861.5  | 0.12350 |
| 901315    | 22.82 | 76.51  | 351.9  | 0.11430 |
| 9013579   | 35.63 | 97.11  | 680.6  | 0.11080 |
| 9013594   | 19.64 | 97.96  | 657.0  | 0.12750 |
| 9013838   | 32.82 | 91.76  | 508.1  | 0.21840 |
| 901549    | 20.53 | 84.93  | 476.1  | 0.16100 |
| 901836    | 20.83 | 79.73  | 447.1  | 0.10950 |
| 90250     | 28.71 | 87.36  | 488.4  | 0.08799 |
| 90251     | 23.13 | 95.23  | 600.5  | 0.14270 |
| 902727    | 17.37 | 96.59  | 623.7  | 0.11660 |
| 90291     | 31.71 | 102.20 | 758.2  | 0.13120 |
| 902975    | 19.29 | 87.65  | 529.9  | 0.10260 |
| 902976    | 19.97 | 99.66  | 745.3  | 0.08484 |
| 903011    | 18.93 | 79.73  | 450.0  | 0.11020 |
| 90312     | 30.44 | 142.00 | 1313.0 | 0.12510 |
| 90317302  | 15.65 | 73.23  | 394.5  | 0.13430 |
| 903483    | 22.80 | 64.01  | 317.0  | 0.14600 |
| 903507    | 29.41 | 142.10 | 1359.0 | 0.16810 |
| 903516    | 28.74 | 172.00 | 2081.0 | 0.15020 |
| 903554    | 25.80 | 88.33  | 559.5  | 0.14320 |
| 903811    | 25.34 | 96.42  | 684.5  | 0.10660 |
| 90401601  | 27.20 | 97.33  | 675.2  | 0.14280 |
| 90401602  | 21.06 | 90.72  | 591.0  | 0.09534 |
| 904302    | 20.35 | 80.79  | 496.7  | 0.11200 |
| 904357    | 24.49 | 86.00  | 562.0  | 0.12440 |
| 90439701  | 27.78 | 149.60 | 1304.0 | 0.18730 |
| 904647    | 20.14 | 87.64  | 589.5  | 0.13740 |
| 904689    | 24.61 | 96.31  | 621.9  | 0.09329 |
| 9047      | 23.02 | 89.69  | 580.9  | 0.11720 |
| 904969    | 16.85 | 84.11  | 533.1  | 0.10480 |
|           |       |        |        |         |

| 904971    | 25.58 | 82.76  | 472.4  | 0.13630 |
|-----------|-------|--------|--------|---------|
| 905189    | 19.58 | 115.90 | 947.9  | 0.12060 |
| 905190    | 27.01 | 91.63  | 645.8  | 0.09402 |
| 90524101  | 25.41 | 138.10 | 1349.0 | 0.14820 |
| 905501    | 28.88 | 89.00  | 610.2  | 0.12400 |
| 905502    | 36.32 | 85.07  | 521.3  | 0.14530 |
| 905520    | 26.44 | 79.93  | 471.4  | 0.13690 |
| 905539    | 27.99 | 66.61  | 301.0  | 0.10860 |
| 905557    | 31.55 | 110.20 | 867.1  | 0.10770 |
| 905680    | 36.91 | 110.10 | 931.4  | 0.11480 |
| 905686    | 27.21 | 85.09  | 522.9  | 0.14260 |
| 905978    | 31.24 | 68.73  | 359.4  | 0.15260 |
| 90602302  | 27.65 | 157.10 | 1748.0 | 0.15170 |
| 906024    | 16.92 | 88.12  | 566.9  | 0.13140 |
| 906290    | 28.92 | 79.26  | 458.0  | 0.12820 |
| 906539    | 26.98 | 86.43  | 520.5  | 0.12490 |
| 906564    | 18.34 | 114.10 | 809.2  | 0.13120 |
| 906616    | 19.67 | 81.93  | 475.7  | 0.14150 |
| 906878    | 25.50 | 101.40 | 708.8  | 0.11470 |
| 907145    | 23.17 | 71.79  | 380.9  | 0.13980 |
| 907367    | 28.94 | 69.92  | 376.3  | 0.11260 |
| 907409    | 21.57 | 81.41  | 440.4  | 0.13270 |
| 90745     | 32.04 | 83.69  | 489.5  | 0.13030 |
| 90769601  | 20.29 | 74.35  | 421.1  | 0.10300 |
| 90769602  | 20.96 | 88.87  | 586.8  | 0.10680 |
| 907914    | 27.57 | 125.40 | 832.7  | 0.14190 |
| 907915    | 22.91 | 89.61  | 515.8  | 0.14500 |
| 908194    | 25.07 | 146.00 | 1479.0 | 0.16650 |
| 908445    | 30.93 | 145.30 | 1603.0 | 0.13900 |
| 908469    | 20.54 | 102.30 | 777.5  | 0.12180 |
| 908489    | 30.80 | 113.90 | 869.3  | 0.16130 |
| 908916    | 24.38 | 95.14  | 626.9  | 0.12140 |
| 909220    | 21.58 | 101.20 | 750.0  | 0.11950 |
| 909231    | 28.01 | 100.90 | 749.1  | 0.11180 |
| 909410    | 19.31 | 96.53  | 688.9  | 0.10340 |
| 909411    | 26.87 | 90.14  | 476.4  | 0.13910 |
| 909445    | 35.46 | 132.80 | 1284.0 | 0.14360 |
| 90944601  | 17.50 | 97.90  | 706.6  | 0.10720 |
| 909777    | 23.31 | 69.35  | 366.3  | 0.09794 |
| 9110127   | 22.02 | 133.30 | 1292.0 | 0.12630 |
| 9110720   | 30.36 | 84.48  | 513.9  | 0.13110 |
| 9110732   | 38.54 | 145.40 | 1437.0 | 0.14010 |
| 9110944   | 22.74 | 105.90 | 829.5  | 0.12260 |
| 911150    | 28.39 | 108.10 | 830.5  | 0.10890 |
| 911157302 | 32.07 | 168.20 | 2022.0 | 0.13680 |
| 9111596   | 28.18 | 83.51  | 507.2  | 0.09457 |
| 9111805   | 30.96 | 139.80 | 1421.0 | 0.15280 |
| 9111843   | 37.88 | 85.07  | 523.7  | 0.12080 |
| 911201    | 16.93 | 103.10 | 749.9  | 0.13470 |
| 911202    | 22.15 | 91.62  | 633.5  | 0.12250 |
| 9112085   | 41.61 | 96.69  | 705.6  | 0.11720 |
|           |       |        |        |         |

| 9112366   | 38.81 | 86.04  | 527.8  | 0.14060 |
|-----------|-------|--------|--------|---------|
| 9112367   | 34.23 | 91.29  | 632.9  | 0.12890 |
| 9112594   | 31.88 | 91.06  | 628.5  | 0.12180 |
| 9112712   | 36.92 | 68.03  | 349.9  | 0.11100 |
| 911296201 | 34.49 | 152.10 | 1648.0 | 0.16000 |
| 911296202 | 31.37 | 251.20 | 4254.0 | 0.13570 |
| 9113156   | 31.98 | 100.40 | 734.6  | 0.10170 |
| 911320501 | 24.02 | 82.68  | 495.1  | 0.13420 |
| 911320502 | 23.89 | 95.10  | 687.6  | 0.12820 |
| 9113239   | 25.50 | 115.00 | 733.5  | 0.12010 |
| 9113455   | 25.46 | 100.90 | 689.1  | 0.13510 |
| 9113514   | 24.62 | 71.11  | 380.2  | 0.13880 |
| 9113538   | 28.87 | 143.60 | 1437.0 | 0.12070 |
| 911366    | 25.40 | 88.14  | 528.1  | 0.17800 |
| 9113778   | 25.62 | 70.88  | 385.2  | 0.12340 |
| 9113816   | 33.33 | 87.24  | 567.6  | 0.10410 |
| 911384    | 18.22 | 112.00 | 906.6  | 0.10650 |
| 9113846   | 38.05 | 85.08  | 558.9  | 0.09422 |
| 911391    | 19.35 | 80.78  | 433.1  | 0.13320 |
| 911408    | 19.35 | 93.22  | 605.8  | 0.13260 |
| 911654    | 27.26 | 112.10 | 828.5  | 0.11530 |
| 911673    | 21.80 | 101.20 | 718.9  | 0.09384 |
| 911685    | 21.90 | 82.04  | 467.6  | 0.13520 |
| 911916    | 23.05 | 122.10 | 939.7  | 0.13770 |
| 912193    | 27.87 | 88.83  | 547.4  | 0.12080 |
| 91227     | 26.42 | 104.40 | 830.5  | 0.10640 |
| 912519    | 18.32 | 94.94  | 660.2  | 0.13930 |
| 912558    | 23.53 | 95.78  | 686.5  | 0.11990 |
| 912600    | 14.20 | 112.50 | 854.3  | 0.15410 |
| 913063    | 21.03 | 97.82  | 580.6  | 0.11750 |
| 913102    | 25.44 | 106.00 | 831.0  | 0.11420 |
| 913505    | 30.39 | 153.90 | 1740.0 | 0.15140 |
| 913512    | 21.59 | 86.57  | 549.8  | 0.15260 |
| 913535    | 26.56 | 127.30 | 1084.0 | 0.10090 |
| 91376701  | 31.99 | 92.74  | 622.9  | 0.12560 |
| 91376702  | 18.42 | 127.10 | 1210.0 | 0.09862 |
| 914062    | 26.06 | 143.40 | 1426.0 | 0.13090 |
| 914101    | 16.36 | 83.24  | 534.0  | 0.09439 |
| 914102    | 28.46 | 95.29  | 648.3  | 0.11180 |
| 914333    | 28.48 | 103.90 | 783.6  | 0.12160 |
| 914366    | 22.15 | 95.29  | 633.7  | 0.15330 |
| 914580    | 24.34 | 92.82  | 607.3  | 0.12760 |
| 914769    | 22.88 | 146.40 | 1600.0 | 0.14120 |
| 91485     | 30.76 | 163.20 | 1760.0 | 0.14640 |
| 914862    | 20.43 | 109.70 | 856.9  | 0.11350 |
| 91504     | 32.94 | 106.00 | 788.0  | 0.17940 |
| 91505     | 21.40 | 86.67  | 552.0  | 0.15800 |
| 915143    | 23.87 | 211.50 | 2782.0 | 0.11990 |
| 915186    | 16.38 | 69.05  | 300.2  | 0.19020 |
| 915276    | 18.04 | 69.47  | 328.1  | 0.20060 |
| 91544001  | 24.17 | 85.13  | 515.3  | 0.14020 |
|           |       |        |        |         |

| 91544002 | 20.74 | 76.08  | 411.1  | 0.16620 |
|----------|-------|--------|--------|---------|
| 915452   | 17.76 | 109.80 | 928.2  | 0.13540 |
| 915460   | 36.33 | 117.70 | 909.4  | 0.17320 |
| 91550    | 17.60 | 81.25  | 473.8  | 0.10730 |
| 915664   | 17.58 | 101.70 | 760.2  | 0.11390 |
| 915691   | 29.66 | 113.30 | 844.4  | 0.15740 |
| 915940   | 17.24 | 108.50 | 862.0  | 0.12230 |
| 91594602 | 28.06 | 113.80 | 967.0  | 0.12460 |
| 916221   | 23.03 | 79.15  | 478.6  | 0.14830 |
| 916799   | 26.20 | 142.20 | 1493.0 | 0.14920 |
| 916838   | 25.23 | 160.50 | 1646.0 | 0.14170 |
| 917062   | 24.37 | 99.31  | 674.7  | 0.14560 |
| 917080   | 21.74 | 93.63  | 624.1  | 0.14750 |
| 917092   | 17.84 | 67.84  | 326.6  | 0.18500 |
| 91762702 | 26.93 | 205.70 | 2642.0 | 0.13420 |
| 91789    | 26.43 | 76.38  | 435.9  | 0.11080 |
| 917896   | 25.63 | 99.43  | 701.9  | 0.14250 |
| 917897   | 22.99 | 74.32  | 376.5  | 0.14190 |
| 91805    | 18.45 | 63.30  | 275.6  | 0.16410 |
| 91813701 | 25.16 | 101.90 | 719.8  | 0.16240 |
| 91813702 | 19.27 | 87.22  | 564.9  | 0.12920 |
| 918192   | 15.38 | 94.52  | 653.3  | 0.13940 |
| 918465   | 15.77 | 86.92  | 549.9  | 0.15210 |
| 91858    | 27.98 | 88.52  | 552.3  | 0.13490 |
| 91903901 | 28.81 | 87.00  | 550.6  | 0.15500 |
| 91903902 | 20.20 | 101.60 | 773.4  | 0.12640 |
| 91930402 | 27.15 | 152.00 | 1645.0 | 0.10970 |
| 919537   | 26.51 | 76.43  | 407.5  | 0.14280 |
| 919555   | 25.48 | 160.20 | 1809.0 | 0.12680 |
| 91979701 | 34.27 | 104.30 | 728.3  | 0.13800 |
| 919812   | 32.19 | 86.12  | 487.7  | 0.17680 |
| 921092   | 30.92 | 57.17  | 248.0  | 0.12560 |
| 921362   | 31.89 | 54.49  | 223.6  | 0.15960 |
| 921385   | 19.68 | 78.78  | 457.8  | 0.13450 |
| 921386   | 31.73 | 113.50 | 808.9  | 0.13400 |
| 921644   | 32.29 | 107.40 | 826.4  | 0.10600 |
| 922296   | 37.17 | 92.48  | 629.6  | 0.10720 |
| 922297   | 24.75 | 99.17  | 688.6  | 0.12640 |
| 922576   | 29.09 | 97.58  | 729.8  | 0.12160 |
| 922577   | 21.77 | 71.12  | 384.9  | 0.12850 |
| 922840   | 22.04 | 71.08  | 357.4  | 0.14610 |
| 923169   | 25.59 | 69.10  | 364.2  | 0.11990 |
| 923465   | 31.45 | 83.90  | 505.6  | 0.12040 |
| 923748   | 24.77 | 74.08  | 412.3  | 0.10010 |
| 923780   | 28.26 | 77.80  | 436.6  | 0.10870 |
| 924084   | 36.00 | 88.10  | 594.7  | 0.12340 |
| 924342   | 25.05 | 62.86  | 295.8  | 0.11030 |
| 924632   | 35.74 | 88.84  | 595.7  | 0.12270 |
| 924934   | 34.91 | 69.57  | 357.6  | 0.13840 |
| 924964   | 22.88 | 67.88  | 347.3  | 0.12650 |
| 925236   | 34.24 | 66.50  | 330.6  | 0.10730 |
|          |       |        |        |         |

| 925277   | 27.27             | 105.90          | 733.5     | 0.102        | 60             |
|----------|-------------------|-----------------|-----------|--------------|----------------|
| 925291   | 37.16             | 82.28           | 474.2     | 0.129        | 80             |
| 925292   | 33.17             | 100.20          | 706.7     | 0.124        | 10             |
| 925311   | 38.30             | 75.19           | 439.6     | 0.092        | 67             |
| 925622   | 42.79             | 128.70          | 915.0     | 0.141        | .70            |
| 926125   | 29.41             | 179.10          | 1819.0    | 0.140        | 70             |
| 926424   | 26.40             | 166.10          | 2027.0    | 0.141        | .00            |
| 926682   | 38.25             | 155.00          | 1731.0    | 0.116        | 660            |
| 926954   | 34.12             | 126.70          | 1124.0    | 0.113        | 90             |
| 927241   | 39.42             | 184.60          | 1821.0    | 0.165        | 00             |
| 92751    | 30.37             | 59.16           | 268.6     | 0.089        | 96             |
|          | compactness_worst | concavity_worst | concave.p | ooints_worst | symmetry_worst |
| 842302   | 0.66560           | 0.711900        |           | 0.265400     | 0.4601         |
| 842517   | 0.18660           | 0.241600        |           | 0.186000     | 0.2750         |
| 84300903 | 0.42450           | 0.450400        |           | 0.243000     | 0.3613         |
| 84348301 | 0.86630           | 0.686900        |           | 0.257500     | 0.6638         |
| 84358402 | 0.20500           | 0.400000        |           | 0.162500     | 0.2364         |
| 843786   | 0.52490           | 0.535500        |           | 0.174100     | 0.3985         |
| 844359   | 0.25760           | 0.378400        |           | 0.193200     | 0.3063         |
| 84458202 | 0.36820           | 0.267800        |           | 0.155600     | 0.3196         |
| 844981   | 0.54010           | 0.539000        |           | 0.206000     | 0.4378         |
| 84501001 | 1.05800           | 1.105000        |           | 0.221000     | 0.4366         |
| 845636   | 0.15510           | 0.145900        |           | 0.099750     | 0.2948         |
| 84610002 | 0.56090           | 0.396500        |           | 0.181000     | 0.3792         |
| 846226   | 0.39030           | 0.363900        |           | 0.176700     | 0.3176         |
| 846381   | 0.19240           | 0.232200        |           | 0.111900     | 0.2809         |
| 84667401 | 0.77250           | 0.694300        |           | 0.220800     | 0.3596         |
| 84799002 | 0.65770           | 0.702600        |           | 0.171200     | 0.4218         |
| 848406   | 0.18710           | 0.291400        |           | 0.160900     | 0.3029         |
| 84862001 | 0.42330           | 0.478400        |           | 0.207300     | 0.3706         |
| 849014   | 0.31500           | 0.537200        |           | 0.238800     | 0.2768         |
| 8510426  | 0.17730           | 0.239000        |           | 0.128800     | 0.2977         |
| 8510653  | 0.27760           | 0.189000        |           | 0.072830     | 0.3184         |
| 8510824  | 0.11480           | 0.088670        |           | 0.062270     | 0.2450         |
| 8511133  | 0.59540           | 0.630500        |           | 0.239300     | 0.4667         |
| 851509   | 0.26000           | 0.315500        |           | 0.200900     | 0.2822         |
| 852552   | 0.35780           | 0.469500        |           | 0.209500     | 0.3613         |
| 852631   | 0.39490           | 0.385300        |           | 0.255000     | 0.4066         |
| 852763   | 0.66430           | 0.553900        |           | 0.270100     | 0.4264         |
| 852781   | 0.21170           | 0.344600        |           | 0.149000     | 0.2341         |
| 852973   | 0.61100           | 0.633500        |           | 0.202400     | 0.4027         |
| 853201   | 0.28120           | 0.248900        |           | 0.145600     | 0.2756         |
| 853401   | 0.42570           | 0.613300        |           | 0.184800     | 0.3444         |
| 853612   | 0.57750           | 0.695600        |           | 0.154600     | 0.4761         |
| 85382601 | 0.35590           | 0.558800        |           | 0.184700     | 0.3530         |
| 854002   | 0.65900           | 0.609100        |           | 0.178500     | 0.3672         |
| 854039   | 0.58040           | 0.527400        |           | 0.186400     | 0.4270         |
| 854253   | 0.38350           | 0.540900        |           | 0.181300     | 0.4863         |
| 854268   | 0.42380           | 0.518600        |           | 0.144700     | 0.3591         |
| 854941   | 0.04619           | 0.048330        |           | 0.050130     | 0.1987         |
| 855133   | 0.05131           | 0.023980        |           | 0.028990     | 0.1565         |
|          |                   |                 |           |              |                |

| 855138   | 0.42250 | 0.503000 | 0.225800 | 0.2807 |
|----------|---------|----------|----------|--------|
| 855167   | 0.20430 | 0.208500 | 0.111200 | 0.2994 |
| 855563   | 0.26980 | 0.402300 | 0.142400 | 0.2964 |
| 855625   | 0.74440 | 0.724200 | 0.249300 | 0.4670 |
| 856106   | 0.37240 | 0.366400 | 0.149200 | 0.3739 |
| 85638502 | 0.39040 | 0.372800 | 0.160700 | 0.3693 |
| 857010   | 0.50900 | 0.734500 | 0.237800 | 0.3799 |
| 85713702 | 0.13570 | 0.068800 | 0.025640 | 0.3105 |
| 85715    | 0.41660 | 0.500600 | 0.208800 | 0.3900 |
| 857155   | 0.21560 | 0.305000 | 0.065480 | 0.2747 |
| 857156   | 0.17110 | 0.228200 | 0.128200 | 0.2871 |
| 857343   | 0.08615 | 0.055230 | 0.037150 | 0.2433 |
| 857373   | 0.15820 | 0.105000 | 0.085860 | 0.2346 |
| 857374   | 0.08906 | 0.092030 | 0.062960 | 0.2785 |
| 857392   | 0.22970 | 0.262300 | 0.132500 | 0.3021 |
| 857438   | 0.20570 | 0.271200 | 0.153000 | 0.2675 |
| 85759902 | 0.08720 | 0.090760 | 0.063160 | 0.3306 |
| 857637   | 0.35110 | 0.387900 | 0.209100 | 0.3537 |
| 857793   | 0.42900 | 0.358700 | 0.183400 | 0.3698 |
| 857810   | 0.06191 | 0.001845 | 0.011110 | 0.2439 |
| 858477   | 0.12390 | 0.116800 | 0.044190 | 0.3220 |
| 858970   | 0.09866 | 0.021680 | 0.025790 | 0.3557 |
| 858981   | 0.16980 | 0.090010 | 0.027780 | 0.2972 |
| 858986   | 0.62470 | 0.692200 | 0.178500 | 0.2844 |
| 859196   | 0.16780 | 0.139700 | 0.050870 | 0.3282 |
| 85922302 | 0.40610 | 0.402400 | 0.171600 | 0.3383 |
| 859283   | 0.34160 | 0.302400 | 0.161400 | 0.3321 |
| 859464   | 0.16640 | 0.094120 | 0.065170 | 0.2878 |
| 859465   | 0.09148 | 0.144400 | 0.069610 | 0.2400 |
| 859471   | 0.43650 | 1.252000 | 0.175000 | 0.4228 |
| 859487   | 0.07061 | 0.103900 | 0.058820 | 0.2383 |
| 859575   | 0.23360 | 0.268700 | 0.178900 | 0.2551 |
| 859711   | 0.24360 | 0.143400 | 0.047860 | 0.2254 |
| 859717   | 0.73940 | 0.656600 | 0.189900 | 0.3313 |
| 859983   | 0.35420 | 0.277900 | 0.138300 | 0.2589 |
| 8610175  | 0.18430 | 0.170300 | 0.086600 | 0.2618 |
| 8610404  | 0.20450 | 0.282900 | 0.152000 | 0.2650 |
| 8610629  | 0.13790 | 0.085390 | 0.074070 | 0.2710 |
| 8610637  | 0.56340 | 0.378600 | 0.210200 | 0.3751 |
| 8610862  | 0.61640 | 0.768100 | 0.250800 | 0.5440 |
| 8610908  | 0.21410 | 0.173100 | 0.079260 | 0.2779 |
| 861103   | 0.16760 | 0.175500 | 0.061270 | 0.2762 |
| 8611161  | 0.47910 | 0.485800 | 0.170800 | 0.3527 |
| 8611555  | 0.60760 | 0.647600 | 0.286700 | 0.2355 |
| 8611792  | 0.28170 | 0.243200 | 0.184100 | 0.2311 |
| 8612080  | 0.20030 | 0.226700 | 0.076320 | 0.3379 |
| 8612399  | 0.20890 | 0.315700 | 0.164200 | 0.3695 |
| 86135501 | 0.19760 | 0.334900 | 0.122500 | 0.3020 |
| 86135502 | 0.32060 | 0.575500 | 0.195600 | 0.3956 |
| 861597   | 0.24630 | 0.243400 | 0.120500 | 0.2972 |
| 861598   | 0.30890 | 0.260400 | 0.139700 | 0.3151 |
| 001000   | 0.50050 | 0.200700 | 0.133/00 | 0.7171 |

| 861648   | 0.17660 | 0.091890 | 0.069460 | 0.2522 |
|----------|---------|----------|----------|--------|
| 861799   | 0.19970 | 0.284600 | 0.147600 | 0.2556 |
| 861853   | 0.12380 | 0.135000 | 0.100100 | 0.2027 |
| 862009   | 0.17510 | 0.138100 | 0.079110 | 0.2678 |
| 862028   | 0.42030 | 0.520300 | 0.211500 | 0.2834 |
| 86208    | 0.35390 | 0.409800 | 0.157300 | 0.3689 |
| 86211    | 0.09358 | 0.049800 | 0.058820 | 0.2227 |
| 862261   | 0.09473 | 0.020490 | 0.023810 | 0.1934 |
| 862485   | 0.18510 | 0.192200 | 0.084490 | 0.2772 |
| 862548   | 0.30260 | 0.319400 | 0.156500 | 0.2718 |
| 862717   | 0.19430 | 0.316900 | 0.118400 | 0.2651 |
| 862722   | 0.12020 | 0.000000 | 0.000000 | 0.2932 |
| 862965   | 0.08862 | 0.114500 | 0.074310 | 0.2694 |
| 862980   | 0.23020 | 0.264400 | 0.097490 | 0.2622 |
| 862989   | 0.14860 | 0.079870 | 0.032030 | 0.2826 |
| 863030   | 0.40990 | 0.637600 | 0.198600 | 0.3147 |
| 863031   | 0.26600 | 0.287300 | 0.121800 | 0.2806 |
| 863270   | 0.19630 | 0.193700 | 0.084420 | 0.2983 |
| 86355    | 0.69970 | 0.960800 | 0.291000 | 0.4055 |
| 864018   | 0.21960 | 0.312000 | 0.082780 | 0.2829 |
| 864033   | 0.17650 | 0.130000 | 0.053340 | 0.2533 |
| 86408    | 0.22500 | 0.221600 | 0.110500 | 0.2226 |
| 86409    | 0.41930 | 0.678300 | 0.150500 | 0.2398 |
| 864292   | 0.20490 | 0.129500 | 0.061360 | 0.2383 |
| 864496   | 0.23640 | 0.245600 | 0.105000 | 0.2926 |
| 864685   | 0.23990 | 0.150300 | 0.072470 | 0.2438 |
| 864726   | 0.18790 | 0.154400 | 0.038460 | 0.1652 |
| 864729   | 0.44800 | 0.470400 | 0.202700 | 0.3585 |
| 864877   | 0.49250 | 0.735600 | 0.203400 | 0.3274 |
| 865128   | 0.12020 | 0.224900 | 0.118500 | 0.4882 |
| 865137   | 0.23900 | 0.210200 | 0.089580 | 0.3016 |
| 86517    | 0.22910 | 0.327200 | 0.167400 | 0.2894 |
| 865423   | 0.42440 | 0.580300 | 0.224800 | 0.3222 |
| 865432   | 0.17880 | 0.256000 | 0.122100 | 0.2889 |
| 865468   | 0.25310 | 0.330800 | 0.089780 | 0.2048 |
| 86561    | 0.13500 | 0.081150 | 0.051040 | 0.2364 |
| 866083   | 0.28840 | 0.379600 | 0.132900 | 0.3470 |
| 866203   | 0.22640 | 0.320700 | 0.121800 | 0.2841 |
| 866458   | 0.28830 | 0.196000 | 0.142300 | 0.2590 |
| 866674   | 0.38610 | 0.567300 | 0.173200 | 0.3305 |
| 866714   | 0.25850 | 0.099150 | 0.081870 | 0.3469 |
| 8670     | 0.23940 | 0.379100 | 0.151400 | 0.2837 |
| 86730502 | 0.30550 | 0.299200 | 0.131200 | 0.3480 |
| 867387   | 0.19490 | 0.170900 | 0.137400 | 0.2723 |
| 867739   | 0.22750 | 0.396500 | 0.137900 | 0.3109 |
| 868202   | 0.15230 | 0.217700 | 0.093310 | 0.2829 |
| 868223   | 0.10280 | 0.104600 | 0.069680 | 0.1712 |
| 868682   | 0.16480 | 0.139900 | 0.084760 | 0.2676 |
| 868826   | 0.21640 | 0.335500 | 0.166700 | 0.3414 |
| 868871   | 0.18220 | 0.086690 | 0.086110 | 0.2102 |
| 868999   | 0.07204 | 0.000000 | 0.000000 | 0.3105 |
|          |         |          |          |        |

| 869104           | 0.22360 | 0.280200 | 0.121600 | 0.2792           |
|------------------|---------|----------|----------|------------------|
| 869218           | 0.17920 | 0.077080 | 0.064020 | 0.2584           |
| 869224           | 0.25480 | 0.209000 | 0.101200 | 0.3549           |
| 869254           | 0.12230 | 0.097550 | 0.034130 | 0.2300           |
| 869476           | 0.25170 | 0.094200 | 0.060420 | 0.2727           |
| 869691           | 0.40920 | 0.450400 | 0.186500 | 0.5774           |
| 86973701         | 0.25210 | 0.250000 | 0.084050 | 0.2852           |
| 86973702         | 0.27350 | 0.310300 | 0.159900 | 0.2691           |
| 869931           | 0.18240 | 0.156400 | 0.060190 | 0.2350           |
| 871001501        | 0.11050 | 0.081120 | 0.062960 | 0.3196           |
| 871001502        | 0.43100 | 0.538100 | 0.078790 | 0.3322           |
| 8710441          | 0.27720 | 0.821600 | 0.157100 | 0.3108           |
| 87106            | 0.08971 | 0.071160 | 0.055060 | 0.2859           |
| 8711002          | 0.22560 | 0.300900 | 0.097220 | 0.3849           |
| 8711003          | 0.17880 | 0.194300 | 0.082110 | 0.3113           |
| 8711202          | 0.34980 | 0.358300 | 0.151500 | 0.2463           |
| 8711216          | 0.17100 | 0.188200 | 0.084360 | 0.2527           |
| 871122           | 0.12320 | 0.086360 | 0.070250 | 0.2514           |
| 871149           | 0.08294 | 0.018540 | 0.039530 | 0.2738           |
| 8711561          | 0.18920 | 0.195600 | 0.079090 | 0.3168           |
| 8711803          | 0.20160 | 0.226400 | 0.177700 | 0.2443           |
| 871201           | 0.38460 | 0.681000 | 0.224700 | 0.3643           |
| 8712064          | 0.23380 | 0.168800 | 0.081940 | 0.2268           |
| 8712289          | 0.35830 | 0.394800 | 0.234600 | 0.3589           |
| 8712291          | 0.09995 | 0.077500 | 0.057540 | 0.2646           |
| 87127            | 0.12570 | 0.104700 | 0.046030 | 0.2090           |
| 8712729          | 0.21190 | 0.231800 | 0.147400 | 0.2810           |
| 8712766          | 0.38300 | 0.489000 | 0.172100 | 0.2160           |
| 8712853          | 0.16370 | 0.066480 | 0.084850 | 0.2404           |
| 87139402         | 0.12660 | 0.124200 | 0.093910 | 0.2827           |
| 87163            | 0.15460 | 0.264400 | 0.116000 | 0.2884           |
| 87164            | 0.35830 | 0.583000 | 0.182700 | 0.3216           |
| 871641           | 0.08240 | 0.039380 | 0.043060 | 0.1902           |
| 871642           | 0.06791 | 0.000000 | 0.000000 | 0.2710           |
| 872113           | 0.07057 | 0.000000 | 0.000000 | 0.2592           |
| 872608           | 0.29500 | 0.348600 | 0.099100 | 0.2614           |
| 87281702         | 0.46670 | 0.586200 | 0.203500 | 0.3054           |
| 873357           | 0.03432 | 0.007977 | 0.009259 | 0.2295           |
| 873586           | 0.05445 | 0.027580 | 0.039900 | 0.1783           |
| 873592           | 0.40340 | 0.534000 | 0.268800 | 0.2856           |
| 873593           | 0.75840 | 0.678000 | 0.290300 | 0.4098           |
| 873701           | 0.35470 | 0.290200 | 0.154100 | 0.3437           |
| 873843           | 0.16100 | 0.164800 | 0.062960 | 0.1811           |
| 873885           | 0.32990 | 0.363000 | 0.122600 |                  |
| 874158           | 0.10190 | 0.006920 | 0.010420 | 0.3175<br>0.2933 |
|                  |         |          |          |                  |
| 874217<br>874272 | 0.24450 | 0.353800 | 0.157100 | 0.3206           |
| 874373           | 0.10400 | 0.152100 | 0.109900 | 0.2572           |
| 874662<br>874820 | 0.10000 | 0.088030 | 0.043060 | 0.3200           |
| 874839           | 0.16500 | 0.142300 | 0.048150 | 0.2482           |
| 874858           | 0.93270 | 0.848800 | 0.177200 | 0.5166           |
| 875093           | 0.08978 | 0.051860 | 0.047730 | 0.2179           |

| 875099    | 0.02729 | 0.000000 | 0.000000 | 0.1909 |
|-----------|---------|----------|----------|--------|
| 875263    | 0.47060 | 0.442500 | 0.145900 | 0.3215 |
| 87556202  | 0.46480 | 0.458900 | 0.172700 | 0.3000 |
| 875878    | 0.15060 | 0.176400 | 0.082350 | 0.3024 |
| 875938    | 0.31220 | 0.380900 | 0.167300 | 0.3080 |
| 877159    | 0.19630 | 0.253500 | 0.091810 | 0.2369 |
| 877486    | 0.56010 | 0.386500 | 0.170800 | 0.3193 |
| 877500    | 0.40560 | 0.496700 | 0.183800 | 0.4753 |
| 877501    | 0.20420 | 0.137700 | 0.108000 | 0.2668 |
| 877989    | 0.34200 | 0.350800 | 0.193900 | 0.2928 |
| 878796    | 0.41670 | 0.789200 | 0.273300 | 0.3198 |
| 87880     | 0.52090 | 0.464600 | 0.201300 | 0.4432 |
| 87930     | 0.23780 | 0.267100 | 0.101500 | 0.3014 |
| 879523    | 0.33310 | 0.332700 | 0.125200 | 0.3415 |
| 879804    | 0.12470 | 0.062130 | 0.055880 | 0.2989 |
| 879830    | 0.14860 | 0.193200 | 0.109600 | 0.3275 |
| 8810158   | 0.44020 | 0.316200 | 0.112600 | 0.4128 |
| 8810436   | 0.21860 | 0.296200 | 0.103500 | 0.2320 |
| 881046502 | 0.29200 | 0.386100 | 0.192000 | 0.2909 |
| 8810528   | 0.18800 | 0.147100 | 0.069130 | 0.2535 |
| 8810703   | 0.15160 | 0.320100 | 0.159500 | 0.1648 |
| 881094802 | 0.17930 | 0.280300 | 0.109900 | 0.1603 |
| 8810955   | 0.40590 | 0.374400 | 0.177200 | 0.4724 |
| 8810987   | 0.43700 | 0.463600 | 0.165400 | 0.3630 |
| 8811523   | 0.30460 | 0.280600 | 0.113800 | 0.3397 |
| 8811779   | 0.13970 | 0.192500 | 0.035710 | 0.2868 |
| 8811842   | 0.32350 | 0.361700 | 0.182000 | 0.3070 |
| 88119002  | 0.40970 | 0.399500 | 0.162500 | 0.2713 |
| 8812816   | 0.24740 | 0.175900 | 0.080560 | 0.2380 |
| 8812818   | 0.26980 | 0.257700 | 0.090900 | 0.3065 |
| 8812844   | 0.14400 | 0.065720 | 0.055750 | 0.3055 |
| 8812877   | 0.44800 | 0.397600 | 0.147900 | 0.3993 |
| 8813129   | 0.13110 | 0.178600 | 0.096780 | 0.2506 |
| 88143502  | 0.15250 | 0.163200 | 0.108700 | 0.3062 |
| 88147101  | 0.11530 | 0.026390 | 0.044640 | 0.2615 |
| 88147102  | 0.36270 | 0.340200 | 0.137900 | 0.2954 |
| 88147202  | 0.34540 | 0.391100 | 0.118000 | 0.2826 |
| 881861    | 0.53430 | 0.628200 | 0.197700 | 0.3407 |
| 881972    | 0.39340 | 0.501800 | 0.254300 | 0.3109 |
| 88199202  | 0.14320 | 0.108900 | 0.020830 | 0.2849 |
| 88203002  | 0.06885 | 0.023180 | 0.030020 | 0.2911 |
| 88206102  | 0.27610 | 0.414600 | 0.156300 | 0.2437 |
| 882488    | 0.09515 | 0.071610 | 0.072220 | 0.2757 |
| 88249602  | 0.15130 | 0.062310 | 0.079630 | 0.2226 |
| 88299702  | 0.41260 | 0.582000 | 0.259300 | 0.3103 |
| 883263    | 0.23110 | 0.315800 | 0.144500 | 0.2238 |
| 883270    | 0.24260 | 0.306400 | 0.082190 | 0.1890 |
| 88330202  | 0.37350 | 0.324100 | 0.206600 | 0.2853 |
| 88350402  | 0.12910 | 0.153300 | 0.092220 | 0.2530 |
| 883539    | 0.07776 | 0.062430 | 0.040520 | 0.2901 |
| 883852    | 0.48480 | 0.743600 | 0.121800 | 0.3308 |
| 003032    | 0.40400 | 0.743000 | 0.121000 | 0.3300 |

| 88411702 | 0.14420 | 0.135900 | 0.061060 | 0.2663 |
|----------|---------|----------|----------|--------|
| 884180   | 0.29680 | 0.345800 | 0.156400 | 0.2920 |
| 884437   | 0.10260 | 0.118100 | 0.067360 | 0.2883 |
| 884448   | 0.15080 | 0.229800 | 0.049700 | 0.2767 |
| 884626   | 0.58490 | 0.772700 | 0.156100 | 0.2639 |
| 88466802 | 0.13980 | 0.112500 | 0.061360 | 0.3409 |
| 884689   | 0.15820 | 0.180400 | 0.096080 | 0.2664 |
| 884948   | 0.31720 | 0.699100 | 0.210500 | 0.3126 |
| 88518501 | 0.10490 | 0.081050 | 0.065440 | 0.2740 |
| 885429   | 0.59550 | 0.848900 | 0.250700 | 0.2749 |
| 8860702  | 0.24050 | 0.337800 | 0.185700 | 0.3138 |
| 886226   | 0.31610 | 0.431700 | 0.199900 | 0.3379 |
| 886452   | 0.32620 | 0.320900 | 0.137400 | 0.3068 |
| 88649001 | 0.53290 | 0.425100 | 0.194100 | 0.2818 |
| 886776   | 0.45030 | 0.442900 | 0.222900 | 0.3258 |
| 887181   | 0.51720 | 0.618100 | 0.246200 | 0.3277 |
| 88725602 | 0.55640 | 0.570300 | 0.201400 | 0.3512 |
| 887549   | 0.29450 | 0.378800 | 0.169700 | 0.3151 |
| 888264   | 0.14860 | 0.121100 | 0.082350 | 0.2452 |
| 888570   | 0.28670 | 0.229800 | 0.152800 | 0.3067 |
| 889403   | 0.18070 | 0.226000 | 0.085680 | 0.2683 |
| 889719   | 0.25670 | 0.388900 | 0.198400 | 0.3216 |
| 88995002 | 0.26440 | 0.344200 | 0.165900 | 0.2868 |
| 8910251  | 0.25150 | 0.191600 | 0.079260 | 0.2940 |
| 8910499  | 0.17300 | 0.145300 | 0.061890 | 0.2446 |
| 8910506  | 0.18080 | 0.199200 | 0.057800 | 0.3604 |
| 8910720  | 0.25500 | 0.253400 | 0.086000 | 0.2605 |
| 8910721  | 0.05036 | 0.038660 | 0.033330 | 0.2458 |
| 8910748  | 0.15070 | 0.127500 | 0.087500 | 0.2733 |
| 8910988  | 0.47250 | 0.580700 | 0.184100 | 0.2833 |
| 8910996  | 0.09370 | 0.040430 | 0.051590 | 0.2841 |
| 8911163  | 0.18060 | 0.208000 | 0.113600 | 0.2504 |
| 8911164  | 0.08368 | 0.071530 | 0.089460 | 0.2220 |
| 8911230  | 0.07348 | 0.004955 | 0.011110 | 0.2758 |
| 8911670  | 0.11600 | 0.221000 | 0.129400 | 0.2567 |
| 8911800  | 0.07622 | 0.106000 | 0.051850 | 0.2335 |
| 8911834  | 0.17240 | 0.145600 | 0.099930 | 0.2955 |
| 8912049  | 0.38410 | 0.575400 | 0.187200 | 0.3258 |
| 8912055  | 0.08500 | 0.067350 | 0.082900 | 0.3101 |
| 89122    | 0.37490 | 0.431600 | 0.225200 | 0.3590 |
| 8912280  | 0.47060 | 0.502600 | 0.173200 | 0.2770 |
| 8912284  | 0.23170 | 0.334400 | 0.101700 | 0.1999 |
| 8912521  | 0.06624 | 0.005579 | 0.008772 | 0.2505 |
| 8912909  | 0.28130 | 0.236500 | 0.115500 | 0.2465 |
| 8913     | 0.11470 | 0.118600 | 0.053660 | 0.2309 |
| 8913049  | 0.18430 | 0.154600 | 0.093140 | 0.2955 |
| 89143601 | 0.09708 | 0.075290 | 0.062030 | 0.3267 |
| 89143602 | 0.24720 | 0.222000 | 0.102100 | 0.2272 |
| 8915     | 0.30300 | 0.180400 | 0.148900 | 0.2962 |
| 891670   | 0.20680 | 0.224100 | 0.105600 | 0.3380 |
| 891703   | 0.17580 | 0.131600 | 0.091400 | 0.3101 |
|          |         |          |          |        |

| 891716   | 0.14720 | 0.052330 | 0.063430 | 0.2369 |
|----------|---------|----------|----------|--------|
| 891923   | 0.10720 | 0.037320 | 0.058020 | 0.2823 |
| 891936   | 0.07506 | 0.028840 | 0.031940 | 0.2143 |
| 892189   | 0.07974 | 0.061200 | 0.071600 | 0.1978 |
| 892214   | 0.21670 | 0.156500 | 0.075300 | 0.2636 |
| 892399   | 0.08614 | 0.041580 | 0.031250 | 0.2227 |
| 892438   | 0.41160 | 0.612100 | 0.198000 | 0.2968 |
| 892604   | 0.21580 | 0.190400 | 0.076250 | 0.2685 |
| 89263202 | 0.33910 | 0.493200 | 0.192300 | 0.3294 |
| 892657   | 0.10440 | 0.084230 | 0.065280 | 0.2213 |
| 89296    | 0.17890 | 0.122600 | 0.055090 | 0.2208 |
| 893061   | 0.13610 | 0.072390 | 0.048150 | 0.3244 |
| 89344    | 0.13460 | 0.011200 | 0.025000 | 0.2651 |
| 89346    | 0.05232 | 0.014720 | 0.013890 | 0.2991 |
| 893526   | 0.05836 | 0.013790 | 0.022100 | 0.2267 |
| 893548   | 0.05847 | 0.018240 | 0.035320 | 0.2107 |
| 893783   | 0.10870 | 0.079150 | 0.057410 | 0.3487 |
| 89382601 | 0.07087 | 0.047460 | 0.058130 | 0.2530 |
| 89382602 | 0.22080 | 0.176900 | 0.084110 | 0.2564 |
| 893988   | 0.16260 | 0.083240 | 0.047150 | 0.3390 |
| 894047   | 0.07767 | 0.000000 | 0.000000 | 0.3142 |
| 894089   | 0.04953 | 0.019380 | 0.027840 | 0.1917 |
| 894090   | 0.05332 | 0.041160 | 0.018520 | 0.2293 |
| 894326   | 0.27630 | 0.385300 | 0.177600 | 0.2812 |
| 894329   | 0.37480 | 0.460900 | 0.114500 | 0.3135 |
| 894335   | 0.04712 | 0.022370 | 0.028320 | 0.1901 |
| 894604   | 0.23600 | 0.189800 | 0.097440 | 0.2608 |
| 894618   | 0.15370 | 0.260600 | 0.142500 | 0.3055 |
| 894855   | 0.22310 | 0.179100 | 0.115500 | 0.2382 |
| 895100   | 0.44920 | 0.534400 | 0.268500 | 0.5558 |
| 89511501 | 0.19280 | 0.116700 | 0.055560 | 0.2661 |
| 89511502 | 0.12120 | 0.102000 | 0.056020 | 0.2688 |
| 89524    | 0.11090 | 0.053070 | 0.058900 | 0.2100 |
| 895299   | 0.07390 | 0.007732 | 0.027960 | 0.2171 |
| 8953902  | 0.29470 | 0.359700 | 0.158300 | 0.3103 |
| 895633   | 0.21160 | 0.334400 | 0.104700 | 0.2736 |
| 896839   | 0.44780 | 0.495600 | 0.198100 | 0.3019 |
| 896864   | 0.32530 | 0.343900 | 0.098580 | 0.3596 |
| 897132   | 0.09669 | 0.013350 | 0.020220 | 0.3292 |
| 897137   | 0.09794 | 0.005518 | 0.016670 | 0.2815 |
| 897374   | 0.09052 | 0.036190 | 0.039830 | 0.2554 |
| 89742801 | 0.20530 | 0.392000 | 0.182700 | 0.2623 |
| 897604   | 0.19750 | 0.145000 | 0.058500 | 0.2432 |
| 897630   | 0.48270 | 0.463400 | 0.204800 | 0.3679 |
| 897880   | 0.14020 | 0.105500 | 0.064990 | 0.2894 |
| 89812    | 0.26780 | 0.481900 | 0.208900 | 0.2593 |
| 89813    | 0.33710 | 0.375500 | 0.141400 | 0.3053 |
| 898143   | 0.34160 | 0.434100 | 0.081200 | 0.2982 |
| 89827    | 0.22100 | 0.229900 | 0.107500 | 0.3301 |
| 898431   | 0.34580 | 0.473400 | 0.225500 | 0.4045 |
| 89864002 | 0.11150 | 0.108700 | 0.078640 | 0.2765 |
|          | 3       | 2.200.00 | 2.0.0010 | 5.2,55 |

| 898677    | 0.16360 | 0.071620 | 0.040740 | 0.2434 |
|-----------|---------|----------|----------|--------|
| 898678    | 0.13520 | 0.045060 | 0.050930 | 0.2880 |
| 89869     | 0.20090 | 0.215100 | 0.125100 | 0.3109 |
| 898690    | 0.11200 | 0.098230 | 0.065480 | 0.2851 |
| 899147    | 0.18850 | 0.031220 | 0.047660 | 0.3124 |
| 899187    | 0.06476 | 0.030460 | 0.042620 | 0.2731 |
| 899667    | 0.50460 | 0.687200 | 0.213500 | 0.4245 |
| 899987    | 0.59370 | 0.645100 | 0.275600 | 0.3690 |
| 9010018   | 0.23560 | 0.402900 | 0.152600 | 0.2654 |
| 901011    | 0.12560 | 0.120100 | 0.039220 | 0.2576 |
| 9010258   | 0.20020 | 0.238800 | 0.092650 | 0.2121 |
| 9010259   | 0.26580 | 0.257300 | 0.125800 | 0.3113 |
| 901028    | 0.10080 | 0.052850 | 0.055560 | 0.2362 |
| 9010333   | 0.12480 | 0.094410 | 0.047620 | 0.2434 |
| 901034301 | 0.10490 | 0.114400 | 0.050520 | 0.2454 |
| 901034302 | 0.04327 | 0.003581 | 0.016350 | 0.2233 |
| 901041    | 0.16670 | 0.121200 | 0.056140 | 0.2637 |
| 9010598   | 0.18390 | 0.125500 | 0.083120 | 0.2744 |
| 9010872   | 0.16790 | 0.166300 | 0.091230 | 0.2394 |
| 9010877   | 0.16760 | 0.136400 | 0.069870 | 0.2741 |
| 901088    | 0.23760 | 0.270200 | 0.176500 | 0.2609 |
| 9011494   | 0.34160 | 0.370300 | 0.215200 | 0.3271 |
| 9011495   | 0.21700 | 0.241300 | 0.088290 | 0.3218 |
| 9011971   | 0.16280 | 0.286100 | 0.182000 | 0.2510 |
| 9012000   | 0.38850 | 0.475600 | 0.243200 | 0.2741 |
| 9012315   | 0.46650 | 0.708700 | 0.224800 | 0.4824 |
| 9012568   | 0.17370 | 0.136200 | 0.081780 | 0.2487 |
| 9012795   | 0.28400 | 0.402400 | 0.196600 | 0.2730 |
| 901288    | 0.30550 | 0.415900 | 0.211200 | 0.2689 |
| 9013005   | 0.20960 | 0.134600 | 0.069870 | 0.3323 |
| 901303    | 0.25500 | 0.211400 | 0.125100 | 0.3153 |
| 901315    | 0.36190 | 0.603000 | 0.146500 | 0.2597 |
| 9013579   | 0.14570 | 0.079340 | 0.057810 | 0.2694 |
| 9013594   | 0.31040 | 0.256900 | 0.105400 | 0.3387 |
| 9013838   | 0.93790 | 0.840200 | 0.252400 | 0.4154 |
| 901549    | 0.24290 | 0.224700 | 0.131800 | 0.3343 |
| 901836    | 0.19820 | 0.155300 | 0.067540 | 0.3202 |
| 90250     | 0.32140 | 0.291200 | 0.109200 | 0.2191 |
| 90251     | 0.35930 | 0.320600 | 0.098040 | 0.2819 |
| 902727    | 0.26850 | 0.286600 | 0.091730 | 0.2736 |
| 90291     | 0.15810 | 0.267500 | 0.135900 | 0.2477 |
| 902975    | 0.24310 | 0.307600 | 0.091400 | 0.2677 |
| 902976    | 0.12330 | 0.109100 | 0.045370 | 0.2542 |
| 903011    | 0.28090 | 0.302100 | 0.082720 | 0.2157 |
| 90312     | 0.24140 | 0.382900 | 0.182500 | 0.2576 |
| 90317302  | 0.16500 | 0.086150 | 0.066960 | 0.2937 |
| 903483    | 0.13100 | 0.000000 | 0.000000 | 0.2445 |
| 903507    | 0.39130 | 0.555300 | 0.212100 | 0.3187 |
| 903516    | 0.57170 | 0.705300 | 0.242200 | 0.3828 |
| 903554    | 0.17730 | 0.160300 | 0.062660 | 0.3049 |
| 903811    | 0.12310 | 0.084600 | 0.079110 | 0.2523 |
|           |         |          |          | -      |

| 90401601 | 0.25700 | 0.343800 | 0.145300 | 0.2666 |
|----------|---------|----------|----------|--------|
| 90401602 | 0.18120 | 0.190100 | 0.082960 | 0.1988 |
| 904302   | 0.18790 | 0.207900 | 0.055560 | 0.2590 |
| 904357   | 0.17260 | 0.144900 | 0.053560 | 0.2779 |
| 90439701 | 0.59170 | 0.903400 | 0.196400 | 0.3245 |
| 904647   | 0.15750 | 0.151400 | 0.068760 | 0.2460 |
| 904689   | 0.23180 | 0.160400 | 0.066080 | 0.3207 |
| 9047     | 0.19580 | 0.181000 | 0.083880 | 0.3297 |
| 904969   | 0.06744 | 0.049210 | 0.047930 | 0.2298 |
| 904971   | 0.16440 | 0.141200 | 0.078870 | 0.2251 |
| 905189   | 0.17220 | 0.231000 | 0.112900 | 0.2778 |
| 905190   | 0.19360 | 0.183800 | 0.056010 | 0.2488 |
| 90524101 | 0.37350 | 0.330100 | 0.197400 | 0.3060 |
| 905501   | 0.17950 | 0.137700 | 0.095320 | 0.3455 |
| 905502   | 0.16220 | 0.181100 | 0.086980 | 0.2973 |
| 905520   | 0.14820 | 0.106700 | 0.074310 | 0.2998 |
| 905539   | 0.18870 | 0.186800 | 0.025640 | 0.2376 |
| 905557   | 0.33450 | 0.311400 | 0.130800 | 0.3163 |
| 905680   | 0.09866 | 0.154700 | 0.065750 | 0.3233 |
| 905686   | 0.21870 | 0.116400 | 0.082630 | 0.3075 |
| 905978   | 0.11930 | 0.061410 | 0.037700 | 0.2872 |
| 90602302 | 0.40020 | 0.421100 | 0.213400 | 0.3003 |
| 906024   | 0.16070 | 0.093850 | 0.082240 | 0.2775 |
| 906290   | 0.11080 | 0.035820 | 0.043060 | 0.2976 |
| 906539   | 0.19370 | 0.256000 | 0.066640 | 0.3035 |
| 906564   | 0.36350 | 0.321900 | 0.110800 | 0.2827 |
| 906616   | 0.21700 | 0.230200 | 0.110500 | 0.2787 |
| 906878   | 0.31670 | 0.366000 | 0.140700 | 0.2744 |
| 907145   | 0.13520 | 0.020850 | 0.045890 | 0.3196 |
| 907367   | 0.07094 | 0.012350 | 0.025790 | 0.2349 |
| 907409   | 0.29960 | 0.293900 | 0.093100 | 0.3020 |
| 90745    | 0.16960 | 0.192700 | 0.074850 | 0.2965 |
| 90769601 | 0.06219 | 0.045800 | 0.040440 | 0.2383 |
| 90769602 | 0.09605 | 0.034690 | 0.036120 | 0.2165 |
| 907914   | 0.70900 | 0.901900 | 0.247500 | 0.2866 |
| 907915   | 0.26290 | 0.240300 | 0.073700 | 0.2556 |
| 908194   | 0.29420 | 0.530800 | 0.217300 | 0.3032 |
| 908445   | 0.34630 | 0.391200 | 0.170800 | 0.3007 |
| 908469   | 0.15500 | 0.122000 | 0.079710 | 0.2525 |
| 908489   | 0.35680 | 0.406900 | 0.182700 | 0.3179 |
| 908916   | 0.16520 | 0.071270 | 0.063840 | 0.3313 |
| 909220   | 0.12520 | 0.111700 | 0.074530 | 0.2725 |
| 909231   | 0.11410 | 0.047530 | 0.058900 | 0.2513 |
| 909410   | 0.10170 | 0.062600 | 0.082160 | 0.2136 |
| 909411   | 0.40820 | 0.477900 | 0.155500 | 0.2540 |
| 909445   | 0.41220 | 0.503600 | 0.173900 | 0.2500 |
| 90944601 | 0.10710 | 0.035170 | 0.033120 | 0.1859 |
| 909777   | 0.06542 | 0.039860 | 0.022220 | 0.2699 |
| 9110127  | 0.26660 | 0.429000 | 0.153500 | 0.2842 |
| 9110720  | 0.18220 | 0.160900 | 0.120200 | 0.2599 |
| 9110732  | 0.37620 | 0.639900 | 0.197000 | 0.2972 |
|          |         |          |          |        |

| 9110944   | 0.18810 | 0.206000 | 0.083080 | 0.3600 |
|-----------|---------|----------|----------|--------|
| 911150    | 0.26490 | 0.377900 | 0.095940 | 0.2471 |
| 911157302 | 0.31010 | 0.439900 | 0.228000 | 0.2268 |
| 9111596   | 0.33990 | 0.321800 | 0.087500 | 0.2305 |
| 9111805   | 0.18450 | 0.397700 | 0.146600 | 0.2293 |
| 9111843   | 0.18560 | 0.181100 | 0.071160 | 0.2447 |
| 911201    | 0.14780 | 0.137300 | 0.106900 | 0.2606 |
| 911202    | 0.15170 | 0.188700 | 0.098510 | 0.3270 |
| 9112085   | 0.14210 | 0.070030 | 0.077630 | 0.2196 |
| 9112366   | 0.20310 | 0.292300 | 0.068350 | 0.2884 |
| 9112367   | 0.10630 | 0.139000 | 0.060050 | 0.2444 |
| 9112594   | 0.10930 | 0.044620 | 0.059210 | 0.2306 |
| 9112712   | 0.11090 | 0.071900 | 0.048660 | 0.2321 |
| 911296201 | 0.24440 | 0.263900 | 0.155500 | 0.3010 |
| 911296202 | 0.42560 | 0.683300 | 0.262500 | 0.2641 |
| 9113156   | 0.14600 | 0.147200 | 0.055630 | 0.2345 |
| 911320501 | 0.18080 | 0.186000 | 0.082880 | 0.3210 |
| 911320502 | 0.19650 | 0.187600 | 0.104500 | 0.2235 |
| 9113239   | 0.56460 | 0.655600 | 0.135700 | 0.2845 |
| 9113455   | 0.35490 | 0.450400 | 0.118100 | 0.2563 |
| 9113514   | 0.12550 | 0.064090 | 0.025000 | 0.3057 |
| 9113538   | 0.47850 | 0.516500 | 0.199600 | 0.2301 |
| 911366    | 0.28780 | 0.318600 | 0.141600 | 0.2660 |
| 9113778   | 0.15420 | 0.127700 | 0.065600 | 0.3174 |
| 9113816   | 0.09726 | 0.055240 | 0.055470 | 0.2404 |
| 911384    | 0.27910 | 0.315100 | 0.114700 | 0.2688 |
| 9113846   | 0.05213 | 0.000000 | 0.000000 | 0.2409 |
| 911391    | 0.38980 | 0.336500 | 0.079660 | 0.2581 |
| 911408    | 0.26100 | 0.347600 | 0.097830 | 0.3006 |
| 911654    | 0.34290 | 0.251200 | 0.133900 | 0.2534 |
| 911673    | 0.20060 | 0.138400 | 0.062220 | 0.2679 |
| 911685    | 0.20100 | 0.259600 | 0.074310 | 0.2941 |
| 911916    | 0.44620 | 0.589700 | 0.177500 | 0.3318 |
| 912193    | 0.22790 | 0.162000 | 0.056900 | 0.2406 |
| 91227     | 0.14150 | 0.167300 | 0.081500 | 0.2356 |
| 912519    | 0.24990 | 0.184800 | 0.133500 | 0.3227 |
| 912558    | 0.13460 | 0.174200 | 0.090770 | 0.2518 |
| 912600    | 0.29790 | 0.400400 | 0.145200 | 0.2557 |
| 913063    | 0.40610 | 0.489600 | 0.134200 | 0.3231 |
| 913102    | 0.20700 | 0.243700 | 0.078280 | 0.2455 |
| 913505    | 0.37250 | 0.593600 | 0.206000 | 0.3266 |
| 913512    | 0.14770 | 0.149000 | 0.098150 | 0.2804 |
| 913535    | 0.29200 | 0.247700 | 0.087370 | 0.4677 |
| 91376701  | 0.18040 | 0.123000 | 0.063350 | 0.3100 |
| 91376702  | 0.09976 | 0.104800 | 0.083410 | 0.1783 |
| 914062    | 0.23270 | 0.254400 | 0.148900 | 0.3251 |
| 914101    | 0.06477 | 0.016740 | 0.026800 | 0.2280 |
| 914102    | 0.16460 | 0.076980 | 0.041950 | 0.2687 |
| 914333    | 0.13880 | 0.170000 | 0.101700 | 0.2369 |
| 914366    | 0.38420 | 0.358200 | 0.140700 | 0.3230 |
| 914580    | 0.25060 | 0.202800 | 0.105300 | 0.3035 |
|           |         |          |          |        |

| 914769   | 0.30890 | 0.353300 | 0.166300 | 0.2510 |
|----------|---------|----------|----------|--------|
| 91485    | 0.35970 | 0.517900 | 0.211300 | 0.2480 |
| 914862   | 0.21760 | 0.185600 | 0.101800 | 0.2177 |
| 91504    | 0.39660 | 0.338100 | 0.152100 | 0.3651 |
| 91505    | 0.17510 | 0.188900 | 0.084110 | 0.3155 |
| 915143   | 0.36250 | 0.379400 | 0.226400 | 0.2908 |
| 915186   | 0.34410 | 0.209900 | 0.102500 | 0.3038 |
| 915276   | 0.36630 | 0.291300 | 0.107500 | 0.2848 |
| 91544001 | 0.23150 | 0.353500 | 0.080880 | 0.2709 |
| 91544002 | 0.20310 | 0.125600 | 0.095140 | 0.2780 |
| 915452   | 0.13610 | 0.194700 | 0.135700 | 0.2300 |
| 915460   | 0.49670 | 0.591100 | 0.216300 | 0.3013 |
| 91550    | 0.27930 | 0.269000 | 0.105600 | 0.2604 |
| 915664   | 0.10110 | 0.110100 | 0.079550 | 0.2334 |
| 915691   | 0.38560 | 0.510600 | 0.205100 | 0.3585 |
| 915940   | 0.19280 | 0.249200 | 0.091860 | 0.2626 |
| 91594602 | 0.21010 | 0.286600 | 0.112000 | 0.2282 |
| 916221   | 0.15740 | 0.162400 | 0.085420 | 0.3060 |
| 916799   | 0.25360 | 0.375900 | 0.151000 | 0.3074 |
| 916838   | 0.33090 | 0.418500 | 0.161300 | 0.2549 |
| 917062   | 0.29610 | 0.124600 | 0.109600 | 0.2582 |
| 917080   | 0.19790 | 0.142300 | 0.080450 | 0.3071 |
| 917092   | 0.20970 | 0.099960 | 0.072620 | 0.3681 |
| 91762702 | 0.41880 | 0.465800 | 0.247500 | 0.3157 |
| 91789    | 0.07723 | 0.025330 | 0.028320 | 0.2557 |
| 917896   | 0.25660 | 0.193500 | 0.128400 | 0.2849 |
| 917897   | 0.22430 | 0.084340 | 0.065280 | 0.2502 |
| 91805    | 0.22350 | 0.175400 | 0.085120 | 0.2983 |
| 91813701 | 0.31240 | 0.265400 | 0.142700 | 0.3518 |
| 91813702 | 0.20740 | 0.179100 | 0.107000 | 0.3110 |
| 918192   | 0.13640 | 0.155900 | 0.101500 | 0.2160 |
| 918465   | 0.16320 | 0.162200 | 0.073930 | 0.2781 |
| 91858    | 0.18540 | 0.136600 | 0.101000 | 0.2478 |
| 91903901 | 0.29640 | 0.275800 | 0.081200 | 0.3206 |
| 91903902 | 0.15640 | 0.120600 | 0.087040 | 0.2806 |
| 91930402 | 0.25340 | 0.309200 | 0.161300 | 0.3220 |
| 919537   | 0.25100 | 0.212300 | 0.098610 | 0.2289 |
| 919555   | 0.31350 | 0.443300 | 0.214800 | 0.3077 |
| 91979701 | 0.27330 | 0.423400 | 0.136200 | 0.2698 |
| 919812   | 0.32510 | 0.139500 | 0.130800 | 0.2803 |
| 921092   | 0.08340 | 0.000000 | 0.000000 | 0.3058 |
| 921362   | 0.30640 | 0.339300 | 0.050000 | 0.2790 |
| 921385   | 0.21180 | 0.179700 | 0.069180 | 0.2329 |
| 921386   | 0.42020 | 0.404000 | 0.120500 | 0.3187 |
| 921644   | 0.13760 | 0.161100 | 0.109500 | 0.2722 |
| 922296   | 0.13810 | 0.106200 | 0.079580 | 0.2473 |
| 922297   | 0.20370 | 0.137700 | 0.068450 | 0.2249 |
| 922576   | 0.15170 | 0.104900 | 0.071740 | 0.2642 |
| 922577   | 0.08842 | 0.043840 | 0.023810 | 0.2681 |
| 922840   | 0.22460 | 0.178300 | 0.083330 | 0.2691 |
| 923169   | 0.09546 | 0.093500 | 0.038460 | 0.2552 |
|          |         |          |          |        |

| 923465 | 0.16330                 | 0.061940 | 0.032640 | 0.3059 |
|--------|-------------------------|----------|----------|--------|
| 923748 | 0.07348                 | 0.000000 | 0.00000  | 0.2458 |
| 923780 | 0.17820                 | 0.156400 | 0.064130 | 0.3169 |
| 924084 | 0.10640                 | 0.086530 | 0.064980 | 0.2407 |
| 924342 | 0.08298                 | 0.079930 | 0.025640 | 0.2435 |
| 924632 | 0.16200                 | 0.243900 | 0.064930 | 0.2372 |
| 924934 | 0.17100                 | 0.200000 | 0.091270 | 0.2226 |
| 924964 | 0.12000                 | 0.010050 | 0.022320 | 0.2262 |
| 925236 | 0.07158                 | 0.000000 | 0.00000  | 0.2475 |
| 925277 | 0.31710                 | 0.366200 | 0.110500 | 0.2258 |
| 925291 | 0.25170                 | 0.363000 | 0.096530 | 0.2112 |
| 925292 | 0.22640                 | 0.132600 | 0.104800 | 0.2250 |
| 925311 | 0.05494                 | 0.000000 | 0.000000 | 0.1566 |
| 925622 | 0.79170                 | 1.170000 | 0.235600 | 0.4089 |
| 926125 | 0.41860                 | 0.659900 | 0.254200 | 0.2929 |
| 926424 | 0.21130                 | 0.410700 | 0.221600 | 0.2060 |
| 926682 | 0.19220                 | 0.321500 | 0.162800 | 0.2572 |
| 926954 | 0.30940                 | 0.340300 | 0.141800 | 0.2218 |
| 927241 | 0.86810                 | 0.938700 | 0.265000 | 0.4087 |
| 92751  | 0.06444                 | 0.000000 | 0.000000 | 0.2871 |
|        | fractal dimension worst |          |          |        |

fractal\_dimension\_worst

| fractal_dimension_worst |
|-------------------------|
| 0.11890                 |
| 0.08902                 |
| 0.08758                 |
| 0.17300                 |
| 0.07678                 |
| 0.12440                 |
| 0.08368                 |
| 0.11510                 |
| 0.10720                 |
| 0.20750                 |
| 0.08452                 |
| 0.10480                 |
| 0.10230                 |
| 0.06287                 |
| 0.14310                 |
| 0.13410                 |
| 0.08216                 |
| 0.11420                 |
| 0.07615                 |
| 0.07259                 |
| 0.08183                 |
| 0.07773                 |
| 0.09946                 |
| 0.07526                 |
| 0.09564                 |
| 0.10590                 |
| 0.12750                 |
| 0.07421                 |
| 0.09876                 |
| 0.07919                 |
|                         |

| 853401   | 0.09782 |
|----------|---------|
| 853612   | 0.14020 |
| 85382601 | 0.08482 |
| 854002   | 0.11230 |
| 854039   | 0.12330 |
| 854253   | 0.08633 |
| 854268   | 0.10140 |
| 854941   | 0.06169 |
| 855133   | 0.05504 |
| 855138   | 0.10710 |
| 855167   | 0.07146 |
| 855563   | 0.09606 |
| 855625   | 0.10380 |
| 856106   | 0.10270 |
| 85638502 | 0.09618 |
| 857010   | 0.09185 |
| 85713702 | 0.07409 |
| 85715    | 0.11790 |
| 857155   | 0.08301 |
| 857156   | 0.06917 |
| 857343   | 0.06563 |
| 857373   | 0.08025 |
| 857374   | 0.07408 |
| 857392   | 0.07987 |
| 857438   | 0.07873 |
| 85759902 | 0.07036 |
| 857637   | 0.08294 |
| 857793   | 0.10940 |
| 857810   | 0.06289 |
| 858477   | 0.09026 |
| 858970   | 0.08020 |
| 858981   | 0.07712 |
| 858986   | 0.11320 |
| 859196   | 0.08490 |
| 85922302 | 0.10310 |
| 859283   | 0.08911 |
| 859464   | 0.09211 |
| 859465   | 0.06641 |
| 859471   | 0.11750 |
| 859487   | 0.06410 |
| 859575   | 0.06589 |
| 859711   | 0.10840 |
| 859717   | 0.13390 |
| 859983   | 0.10300 |
| 8610175  | 0.07609 |
| 8610404  | 0.06387 |
| 8610629  | 0.07191 |
| 8610637  | 0.11080 |
| 8610862  | 0.09964 |
| 8610908  | 0.07918 |
| 861103   | 0.08851 |
|          |         |

| 8611161  | 0.10160 |
|----------|---------|
| 8611555  | 0.10510 |
| 8611792  | 0.09203 |
| 8612080  | 0.07924 |
| 8612399  | 0.08579 |
| 86135501 | 0.06846 |
| 86135502 | 0.09288 |
| 861597   | 0.09261 |
| 861598   | 0.08473 |
| 861648   | 0.07246 |
| 861799   | 0.06828 |
| 861853   | 0.06206 |
| 862009   | 0.06603 |
| 862028   | 0.08234 |
| 86208    | 0.08368 |
| 86211    | 0.07376 |
| 862261   | 0.08988 |
| 862485   | 0.08756 |
| 862548   | 0.09353 |
| 862717   | 0.07397 |
| 862722   | 0.09382 |
| 862965   | 0.06878 |
| 862980   | 0.08490 |
| 862989   | 0.07552 |
| 863030   | 0.14050 |
| 863031   | 0.09097 |
| 863270   | 0.07185 |
| 86355    | 0.09789 |
| 864018   | 0.08832 |
| 864033   | 0.08468 |
| 86408    | 0.08486 |
| 86409    | 0.10820 |
| 864292   | 0.09026 |
| 864496   | 0.10170 |
| 864685   | 0.08541 |
| 864726   | 0.07722 |
| 864729   | 0.10650 |
| 864877   | 0.12520 |
| 865128   | 0.06111 |
| 865137   | 0.08523 |
| 86517    | 0.08456 |
| 865423   | 0.08009 |
| 865432   | 0.08006 |
| 865468   | 0.07628 |
| 86561    | 0.07182 |
| 866083   | 0.07900 |
| 866203   | 0.06541 |
| 866458   | 0.07779 |
| 866674   | 0.08465 |
| 866714   | 0.09241 |
| 8670     | 0.08019 |
|          |         |

| 86730502  | 0.07619 |
|-----------|---------|
| 867387    | 0.07071 |
| 867739    | 0.07610 |
| 868202    | 0.08067 |
| 868223    | 0.07343 |
| 868682    | 0.06765 |
| 868826    | 0.07147 |
| 868871    | 0.06784 |
| 868999    | 0.08151 |
| 869104    | 0.08158 |
| 869218    | 0.08096 |
| 869224    | 0.08118 |
| 869254    | 0.06769 |
| 869476    | 0.10360 |
| 869691    | 0.10300 |
| 86973701  | 0.09218 |
| 86973702  | 0.07683 |
| 869931    | 0.07014 |
| 871001501 | 0.06435 |
| 871001502 | 0.14860 |
| 8710441   | 0.12590 |
| 87106     | 0.06772 |
| 8711002   | 0.08633 |
| 8711003   | 0.08132 |
| 8711202   | 0.07738 |
| 8711216   | 0.05972 |
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| 901028             | 0.07113            |
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| 901034302          | 0.05521            |
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|---|--------|---------|
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| 91504 0.11830 91505 0.07538 915143 0.07277 915186 0.12520 915276 0.13640 91544001 0.08839 91544002 0.11680 915452 0.07230 915460 0.10670 91550 0.09879 915664 0.6142 915940 0.11090 915940 0.07048 91594602 0.06783 916799 0.07863 916838 0.09136 917062 0.08893 917080 0.08557 917092 0.08893 917080 0.08557 917092 0.08982 91762702 0.09671 91789 0.07613 91789 0.07613 917896 0.09031 917897 0.09209 91805 0.10490 91813701 0.08665 91813702 0.07592 918192 0.07553 918465 0.08052 91858 0.07757 91903901 0.08950 91903902 0.07782 91930402 0.06386 919537 0.08278 919555 0.07569 91979701 0.08351 919812 0.09570 921092 0.09938   |        |         |
| 91505       0.07538         915143       0.07277         915186       0.12520         915276       0.13640         91544001       0.08839         91544002       0.11680         915452       0.07230         915460       0.10670         91550       0.09879         915664       0.06142         915940       0.07048         9159402       0.06954         916221       0.06783         91638       0.09136         917062       0.08893         917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917896       0.09031         917897       0.09209         91805       0.10490         91813701       0.08665         918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         91903902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701 <t< td=""><td></td><td></td></t<>                              |        |         |
| 915143 915186 9.07277 915186 9.12520 915276 9.13640 91544001 9.08839 91544002 9.11680 915452 9.07230 915460 9.10670 91550 9.09879 915664 9.11090 915940 9.15940 9.11090 915940 9.07048 91594602 9.06954 916221 9.06783 916799 9.07863 916838 9.09136 917062 9.08893 917080 9.08857 917092 9.08982 91762702 9.08982 91762702 9.09671 91789 9.07613 917896 9.09031 917897 9.09209 91805 91813701 9.08665 91813702 9.07592 918192 9.07553 918465 9.08952 91858 9.07757 91903901 9.08950 91903902 9.07782 91930402 9.06386 919537 9.08278 919555 9.07569 91979701 9.08351 919812 9.09970 921092   |        |         |
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| 915691       0.11090         915940       0.07048         91594602       0.06954         916221       0.06783         916799       0.07863         916838       0.09136         917062       0.08893         917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917897       0.09209         91805       0.10490         91813701       0.08665         91813702       0.07592         918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938   |        |         |
| 915940       0.07048         91594602       0.06954         916221       0.06783         916799       0.07863         916838       0.09136         917062       0.08893         917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917897       0.09209         91805       0.10490         91813701       0.08665         91813702       0.07592         918492       0.07253         91858       0.07757         91903901       0.08950         9193902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938   |        |         |
| 91594602       0.06954         916221       0.06783         916799       0.07863         916838       0.09136         917062       0.08893         917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917897       0.09209         91805       0.10490         91813701       0.08665         918192       0.07592         918465       0.08052         91858       0.07757         91903901       0.08950         9193902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09938   |        |         |
| 916221       0.06783         916799       0.07863         916838       0.09136         917062       0.08893         917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917897       0.09209         91805       0.10490         91813701       0.08665         918192       0.07592         918465       0.08052         91858       0.07757         91903901       0.08950         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938   |        |         |
| 916799       0.07863         916838       0.09136         917062       0.08893         917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917897       0.09209         91805       0.10490         91813701       0.08665         918192       0.07592         918465       0.08052         91858       0.07757         91903901       0.08950         91930402       0.07782         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 916838       0.09136         917062       0.08893         917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917896       0.09031         917897       0.09209         91805       0.10490         91813701       0.08665         918192       0.07592         918192       0.07253         91858       0.07757         91903901       0.08950         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 917062       0.08893         917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917896       0.09031         91805       0.10490         91813701       0.08665         91813702       0.07592         918192       0.07253         91858       0.07757         91903901       0.08950         91930402       0.07782         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  | -      |         |
| 917080       0.08557         917092       0.08982         91762702       0.09671         91789       0.07613         917896       0.09031         917897       0.09209         91805       0.10490         91813701       0.08665         918192       0.07592         918465       0.08052         91858       0.07757         91903901       0.08950         9193902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 917092       0.08982         91762702       0.09671         91789       0.07613         917896       0.09031         917897       0.09209         91805       0.10490         91813701       0.08665         91813702       0.07592         918192       0.07253         91858       0.07757         91903901       0.08950         91930402       0.07782         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938   |        |         |
| 91762702       0.09671         91789       0.07613         917896       0.09031         917897       0.09209         91805       0.10490         91813701       0.08665         91813702       0.07592         918192       0.07253         91858       0.07757         91903901       0.08950         91930402       0.07782         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 91789       0.07613         917896       0.09031         917897       0.09209         91805       0.10490         91813701       0.08665         91813702       0.07592         918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         91930402       0.07782         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 917896       0.09031         917897       0.09209         91805       0.10490         91813701       0.08665         91813702       0.07592         918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         91930402       0.07782         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 917897       0.09209         91805       0.10490         91813701       0.08665         91813702       0.07592         918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         91930402       0.07782         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938   | -      |         |
| 91805       0.10490         91813701       0.08665         91813702       0.07592         918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 91813701       0.08665         91813702       0.07592         918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         9193902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  | -      |         |
| 91813702       0.07592         918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         91903902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 918192       0.07253         918465       0.08052         91858       0.07757         91903901       0.08950         91903902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938   |        |         |
| 918465       0.08052         91858       0.07757         91903901       0.08950         91903902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938  |        |         |
| 918580.07757919039010.08950919039020.07782919304020.063869195370.082789195550.07569919797010.083519198120.099709210920.09938  | -      |         |
| 91903901       0.08950         91903902       0.07782         91930402       0.06386         919537       0.08278         919555       0.07569         91979701       0.08351         919812       0.09970         921092       0.09938   |        |         |
| 919039020.07782919304020.063869195370.082789195550.07569919797010.083519198120.099709210920.09938   |        |         |
| 919304020.063869195370.082789195550.07569919797010.083519198120.099709210920.09938  |        |         |
| 9195370.082789195550.07569919797010.083519198120.099709210920.09938   |        |         |
| 9195550.07569919797010.083519198120.099709210920.09938  |        |         |
| 919797010.083519198120.099709210920.09938   |        |         |
| 9198120.099709210920.09938  |        |         |
| 921092 0.09938  | -      |         |
|   | -      |         |
| 921362 0.10660  |        |         |
|   | 921362 | 0.10660 |

| 921385 | 0.08134 |
|--------|---------|
| 921386 | 0.10230 |
| 921644 | 0.06956 |
| 922296 | 0.06443 |
| 922297 | 0.08492 |
| 922576 | 0.06953 |
| 922577 | 0.07399 |
| 922840 | 0.09479 |
| 923169 | 0.07920 |
| 923465 | 0.07626 |
| 923748 | 0.06592 |
| 923780 | 0.08032 |
| 924084 | 0.06484 |
| 924342 | 0.07393 |
| 924632 | 0.07242 |
| 924934 | 0.08283 |
| 924964 | 0.06742 |
| 925236 | 0.06969 |
| 925277 | 0.08004 |
| 925291 | 0.08732 |
| 925292 | 0.08321 |
| 925311 | 0.05905 |
| 925622 | 0.14090 |
| 926125 | 0.09873 |
| 926424 | 0.07115 |
| 926682 | 0.06637 |
| 926954 | 0.07820 |
| 927241 | 0.12400 |
| 92751  | 0.07039 |
|        |         |

# head(wisc.df)

|          | diagnosis r | adius_mean  | texture_mean   | perimeter_mean   | area_mean  |             |
|----------|-------------|-------------|----------------|------------------|------------|-------------|
| 842302   | M           | 17.99       | 10.38          | 122.80           | 1001.0     |             |
| 842517   | M           | 20.57       | 17.77          | 132.90           | 1326.0     |             |
| 84300903 | M           | 19.69       | 21.25          | 130.00           | 1203.0     |             |
| 84348301 | М           | 11.42       | 20.38          | 77.58            | 386.1      |             |
| 84358402 | M           | 20.29       | 14.34          | 135.10           | 1297.0     |             |
| 843786   | M           | 12.45       | 15.70          | 82.57            | 477.1      |             |
|          | smoothness_ | mean compac | tness_mean co  | oncavity_mean co | oncave.poi | nts_mean    |
| 842302   | 0.1         | 1840        | 0.27760        | 0.3001           |            | 0.14710     |
| 842517   | 0.0         | 8474        | 0.07864        | 0.0869           |            | 0.07017     |
| 84300903 | 0.1         | 0960        | 0.15990        | 0.1974           |            | 0.12790     |
| 84348301 | 0.1         | 4250        | 0.28390        | 0.2414           |            | 0.10520     |
| 84358402 | 0.1         | 0030        | 0.13280        | 0.1980           |            | 0.10430     |
| 843786   | 0.1         | 2780        | 0.17000        | 0.1578           |            | 0.08089     |
|          | symmetry_me | an fractal_ | _dimension_mea | an radius_se te  | xture_se p | erimeter_se |
| 842302   | 0.24        | 19          | 0.0787         | 71 1.0950        | 0.9053     | 8.589       |
| 842517   | 0.18        | 12          | 0.0566         | 0.5435           | 0.7339     | 3.398       |
| 84300903 | 0.20        | 69          | 0.0599         | 99 0.7456        | 0.7869     | 4.585       |
|          |             |             |                |                  |            |             |

```
84348301
                0.2597
                                        0.09744
                                                   0.4956
                                                               1.1560
                                                                              3,445
84358402
                0.1809
                                        0.05883
                                                   0.7572
                                                               0.7813
                                                                              5.438
843786
                0.2087
                                        0.07613
                                                   0.3345
                                                               0.8902
                                                                              2.217
         area se smoothness se compactness se concavity se concave.points se
842302
          153.40
                       0.006399
                                        0.04904
                                                     0.05373
                                                                         0.01587
842517
           74.08
                       0.005225
                                        0.01308
                                                     0.01860
                                                                         0.01340
84300903
           94.03
                       0.006150
                                        0.04006
                                                     0.03832
                                                                         0.02058
84348301
           27.23
                       0.009110
                                        0.07458
                                                     0.05661
                                                                         0.01867
84358402
           94,44
                       0.011490
                                        0.02461
                                                     0.05688
                                                                         0.01885
843786
           27.19
                                        0.03345
                       0.007510
                                                     0.03672
                                                                         0.01137
         symmetry_se fractal_dimension_se radius_worst texture_worst
842302
             0.03003
                                  0.006193
                                                   25.38
                                                                  17.33
842517
             0.01389
                                  0.003532
                                                   24.99
                                                                  23.41
84300903
                                                                  25.53
             0.02250
                                  0.004571
                                                   23.57
                                                                  26.50
84348301
             0.05963
                                  0.009208
                                                   14.91
84358402
             0.01756
                                  0.005115
                                                   22.54
                                                                  16.67
843786
             0.02165
                                  0.005082
                                                   15.47
                                                                  23.75
         perimeter_worst area_worst smoothness_worst compactness_worst
842302
                   184.60
                              2019.0
                                                0.1622
                                                                   0.6656
842517
                   158.80
                                                0.1238
                                                                   0.1866
                              1956.0
84300903
                              1709.0
                                                                   0.4245
                   152.50
                                                0.1444
84348301
                    98.87
                               567.7
                                                0.2098
                                                                   0.8663
                   152.20
                              1575.0
                                                                   0.2050
84358402
                                                0.1374
843786
                   103.40
                               741.6
                                                0.1791
                                                                   0.5249
         concavity worst concave.points worst symmetry worst
842302
                  0.7119
                                         0.2654
                                                         0.4601
842517
                  0.2416
                                         0.1860
                                                         0.2750
84300903
                   0.4504
                                         0.2430
                                                         0.3613
84348301
                  0.6869
                                         0.2575
                                                         0.6638
84358402
                  0.4000
                                         0.1625
                                                         0.2364
843786
                   0.5355
                                         0.1741
                                                         0.3985
         fractal dimension worst
842302
                          0.11890
842517
                          0.08902
84300903
                          0.08758
84348301
                          0.17300
84358402
                          0.07678
843786
                          0.12440
# We can use -1 here to remove the first column
```

```
# We can use -1 here to remove the first column
wisc.data <- wisc.df[,-1]</pre>
```

```
# Create a diagnosis vector for later
diagnosis <- as.factor(wisc.df$diagnosis)</pre>
```

```
# Q1. How many observations are in this dataset?
num_observations <- nrow(wisc.data)
cat("Number of observations:", num_observations, "\n")</pre>
```

Number of observations: 569

```
# Q2. How many of the observations have a malignant diagnosis?
num_malignant <- sum(diagnosis == "M")
cat("Number of observations with malignant diagnosis:", num_malignant, "\n")</pre>
```

Number of observations with malignant diagnosis: 212

```
# Q3. How many variables/features in the data are suffixed with _mean?
mean_vars <- grep("_mean$", names(wisc.data))
num_mean_vars <- length(mean_vars)
cat("Number of variables/features suffixed with _mean:", num_mean_vars, "\n")</pre>
```

Number of variables/features suffixed with \_mean: 10

• Q1. How many observations are in this dataset?

569

Q2. How many of the observations have a malignant diagnosis?

212

Q3. How many variables/features in the data are suffixed with \_mean?

10

```
# Check column means and standard deviations
colMeans(wisc.data)
```

```
radius mean
                                   texture mean
                                                         perimeter mean
          1.412729e+01
                                   1.928965e+01
                                                            9.196903e+01
             area mean
                               smoothness mean
                                                       compactness mean
          6.548891e+02
                                   9.636028e-02
                                                            1.043410e-01
        concavity_mean
                           concave.points mean
                                                          symmetry_mean
          8.879932e-02
                                   4.891915e-02
                                                           1.811619e-01
fractal_dimension_mean
                                      radius_se
                                                             texture_se
          6.279761e-02
                                   4.051721e-01
                                                            1.216853e+00
          perimeter se
                                                          smoothness se
                                        area se
          2.866059e+00
                                   4.033708e+01
                                                           7.040979e-03
        compactness_se
                                   concavity se
                                                      concave.points_se
          2.547814e-02
                                   3.189372e-02
                                                            1.179614e-02
           symmetry_se
                          fractal_dimension_se
                                                           radius_worst
          2.054230e-02
                                   3.794904e-03
                                                            1.626919e+01
         texture_worst
                               perimeter_worst
                                                              area_worst
          2.567722e+01
                                   1.072612e+02
                                                            8.805831e+02
      smoothness worst
                             compactness worst
                                                        concavity_worst
          1.323686e-01
                                   2.542650e-01
                                                            2.721885e-01
  concave.points_worst
                                 symmetry_worst fractal_dimension_worst
          1.146062e-01
                                   2.900756e-01
                                                            8.394582e-02
```

## apply(wisc.data,2,sd)

| perimeter_mean                    | texture_mean                    | radius_mean                       |
|-----------------------------------|---------------------------------|-----------------------------------|
| 2.429898e+01                      | 4.301036e+00                    | 3.524049e+00                      |
| compactness_mean                  | smoothness_mean                 | area_mean                         |
| 5.281276e-02                      | 1.406413e-02                    | 3.519141e+02                      |
| symmetry_mean                     | <pre>concave.points_mean</pre>  | concavity_mean                    |
| 2.741428e-02                      | 3.880284e-02                    | 7.971981e-02                      |
| texture_se                        | radius_se                       | <pre>fractal_dimension_mean</pre> |
| 5.516484e-01                      | 2.773127e-01                    | 7.060363e-03                      |
| smoothness_se                     | area_se                         | perimeter_se                      |
| 3.002518e-03                      | 4.549101e+01                    | 2.021855e+00                      |
| <pre>concave.points_se</pre>      | <pre>concavity_se</pre>         | compactness_se                    |
| 6.170285e-03                      | 3.018606e-02                    | 1.790818e-02                      |
| radius_worst                      | <pre>fractal_dimension_se</pre> | symmetry_se                       |
| 4.833242e+00                      | 2.646071e-03                    | 8.266372e-03                      |
| area_worst                        | perimeter_worst                 | texture_worst                     |
| 5.693570e+02                      | 3.360254e+01                    | 6.146258e+00                      |
| concavity_worst                   | compactness_worst               | smoothness_worst                  |
| 2.086243e-01                      | 1.573365e-01                    | 2.283243e-02                      |
| ${\tt fractal\_dimension\_worst}$ | symmetry_worst                  | <pre>concave.points_worst</pre>   |
| 1.806127e-02                      | 6.186747e-02                    | 6.573234e-02                      |
|                                   |                                 |                                   |

# Perform PCA on wisc.data by completing the following code wisc.pr <- prcomp(wisc.data, scale. = TRUE)</pre>

# Look at summary of results summary(wisc.pr)

#### Importance of components:

PC1 PC2 PC3 PC4 PC5 PC6 PC7 3.6444 2.3857 1.67867 1.40735 1.28403 1.09880 0.82172 Standard deviation Proportion of Variance 0.4427 0.1897 0.09393 0.06602 0.05496 0.04025 0.02251 Cumulative Proportion 0.4427 0.6324 0.72636 0.79239 0.84734 0.88759 0.91010 PC8 PC9 PC10 PC11 PC12 PC13 PC14 Standard deviation 0.69037 0.6457 0.59219 0.5421 0.51104 0.49128 0.39624 Proportion of Variance 0.01589 0.0139 0.01169 0.0098 0.00871 0.00805 0.00523 Cumulative Proportion 0.92598 0.9399 0.95157 0.9614 0.97007 0.97812 0.98335 PC15 PC16 PC17 PC18 PC19 PC20 PC21 Standard deviation 0.30681 0.28260 0.24372 0.22939 0.22244 0.17652 0.1731 Proportion of Variance 0.00314 0.00266 0.00198 0.00175 0.00165 0.00104 0.0010 Cumulative Proportion 0.98649 0.98915 0.99113 0.99288 0.99453 0.99557 0.9966 PC22 PC23 PC24 PC25 PC26 PC27 Standard deviation 0.16565 0.15602 0.1344 0.12442 0.09043 0.08307 0.03987 Proportion of Variance 0.00091 0.00081 0.0006 0.00052 0.00027 0.00023 0.00005 Cumulative Proportion 0.99749 0.99830 0.9989 0.99942 0.99969 0.99992 0.99997 PC29 PC30

Standard deviation 0.02736 0.01153 Proportion of Variance 0.00002 0.00000 Cumulative Proportion 1.00000 1.00000

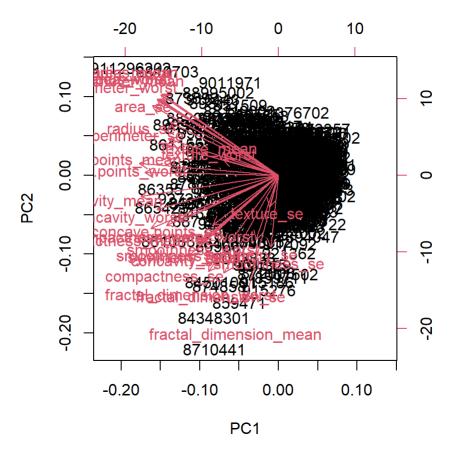
• **Q4**. From your results, what proportion of the original variance is captured by the first principal components (PC1)?

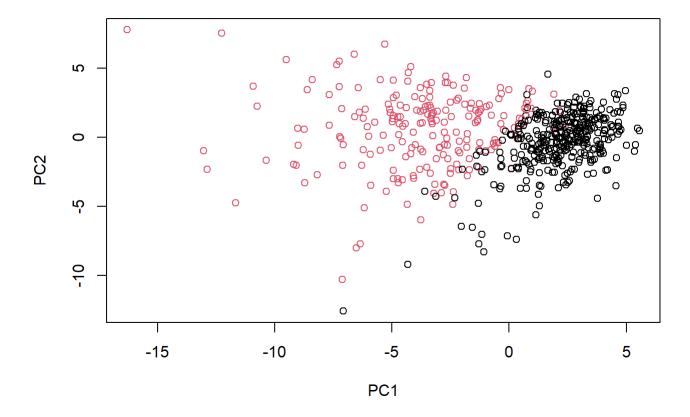
%44.27

• **Q5**. How many principal components (PCs) are required to describe at least 70% of the original variance in the data?

• **Q6**. How many principal components (PCs) are required to describe at least 90% of the original variance in the data?

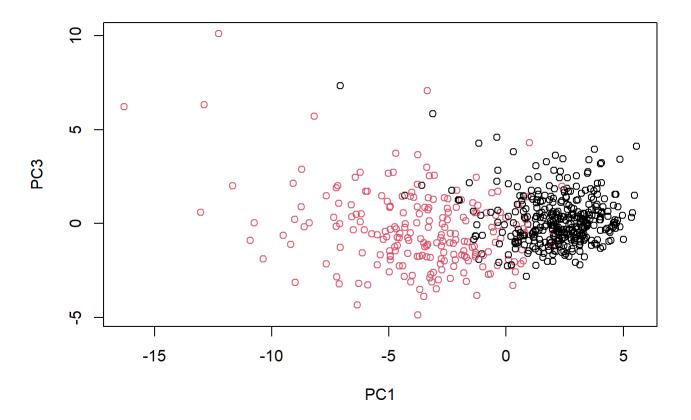
biplot(wisc.pr)





• Q7. What stands out to you about this plot? Is it easy or difficult to understand? Why?

Difficult. This bi-plot is difficult to understand because it appears cluttered and does not provide clear insights into the relationships between variables and observations.



Q8. Generate a similar plot for principal components 1 and 3. What do you notice about these plots?

In this plot, each point represents an observation, and the color indicates whether the diagnosis is malignant or benign. Comparing this plot to the previous one (PC1 vs PC2), we may notice a different pattern of separation between the two diagnosis categories along the PC1 and PC3 axes.

```
# Load the ggplot2 package
library(ggplot2)

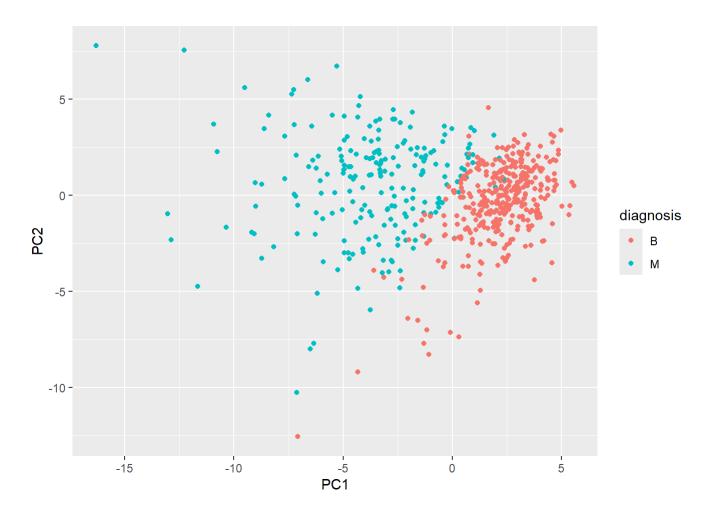
# Create a data.frame for ggplot

df <- as.data.frame(wisc.pr$x)

df$diagnosis <- diagnosis

# Make a scatter plot colored by diagnosis

ggplot(df) +
   aes(PC1, PC2, col=diagnosis) +
   geom_point() +
   xlab("PC1") +
   ylab("PC2")</pre>
```

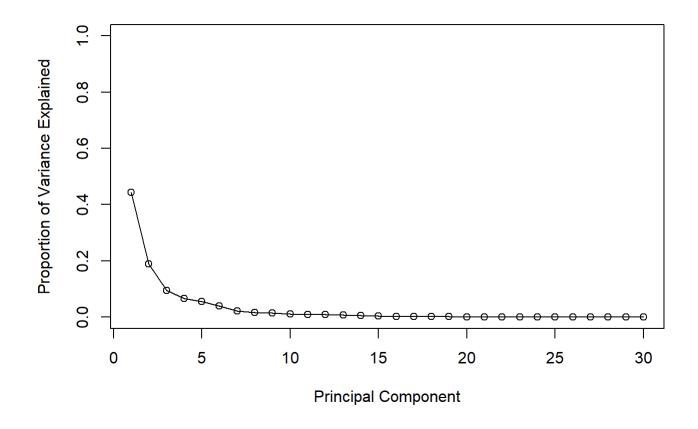


```
# Calculate variance of each component
pr.var <- wisc.pr$sdev^2
head(pr.var)</pre>
```

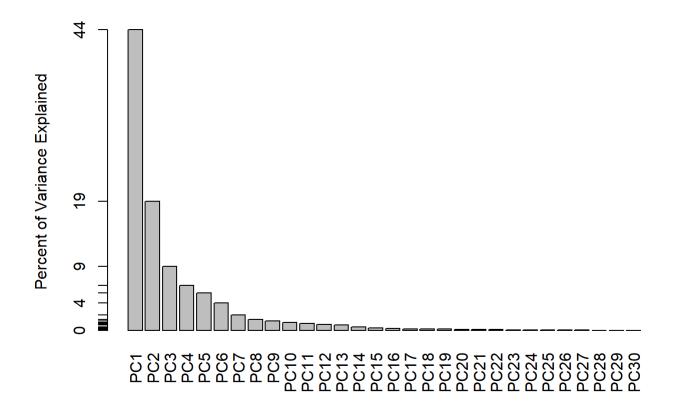
# [1] 13.281608 5.691355 2.817949 1.980640 1.648731 1.207357

```
# Calculate proportion of variance explained by each principal component
pve <- pr.var / sum(pr.var)

# Plot variance explained for each principal component
plot(pve, xlab = "Principal Component",
    ylab = "Proportion of Variance Explained",
    ylim = c(0, 1), type = "o")</pre>
```



```
# Alternative scree plot with data-driven y-axis
barplot(pve, ylab = "Percent of Variance Explained",
    names.arg = paste0("PC", 1:length(pve)), las = 2, axes = FALSE)
axis(2, at = pve, labels = round(pve, 2) * 100)
```



Q9. For the first principal component, what is the component of the loading vector (i.e. wisc.pr\$rotation[,1]) for the feature concave.points\_mean?

```
# Find the component of the loading vector for concave.points_mean
loading_concave_points_mean <- wisc.pr$rotation["concave.points_mean", 1]
loading_concave_points_mean</pre>
```

### [1] -0.2608538

Q10. What is the minimum number of principal components required to explain 80% of the variance of the data?

```
# Calculate cumulative variance explained
cumulative_pve <- cumsum(pve)

# Find the minimum number of principal components required to explain 80% of the variance
min_components_80 <- which(cumulative_pve >= 0.8)[1]
min_components_80
```

## [1] 5

```
# Scale the wisc.data data using the "scale()" function
data.scaled <- scale(wisc.data)</pre>
```

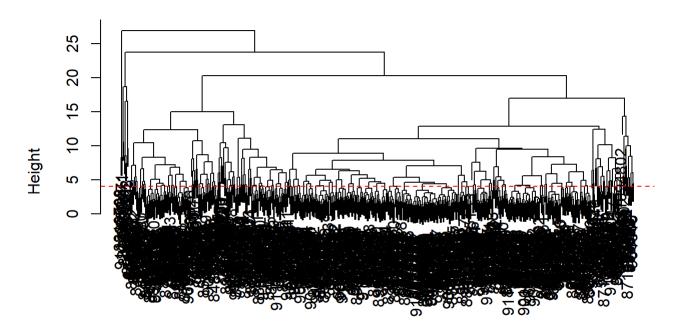
```
# Calculate the Euclidean distances between all pairs of observations
data.dist <- dist(data.scaled)</pre>
```

```
# Create a hierarchical clustering model using complete linkage
wisc.hclust <- hclust(data.dist, method = "complete")</pre>
```

```
# Plot the hierarchical clustering model
plot(wisc.hclust)

# Add a horizontal line at height 4
abline(h = 4, col = "red", lty = 2)
```

# **Cluster Dendrogram**



data.dist hclust (\*, "complete")

Q11. Using the plot() and abline() functions, what is the height at which the clustering model has 4 clusters?

This height corresponds to the number of clusters we specified 4 in this case.

```
# Cut the tree to have 4 clusters
wisc.hclust.clusters <- cutree(wisc.hclust, k = 4)</pre>
```

```
# Compare cluster membership to actual diagnoses
table(wisc.hclust.clusters, diagnosis)
```

```
diagnosis
wisc.hclust.clusters B M
1 12 165
2 2 5
3 343 40
4 0 2
```

```
# Initialize a list to store the results
results <- list()

# Iterate over different numbers of clusters
for (k in 2:10) {
    # Cut the tree to have k clusters
    clusters <- cutree(wisc.hclust, k = k)

# Store the cluster assignments
    results[[paste("Clusters:", k)]] <- table(clusters, diagnosis)
}

# Print the results
for (result in results) {
    print(result)
}</pre>
```

```
diagnosis
clusters B M
     1 357 210
     2 0 2
      diagnosis
clusters B M
     1 355 205
     2 2 5
        0 2
      diagnosis
clusters
        В
            Μ
     1 12 165
     2 2 5
     3 343 40
     4 0 2
      diagnosis
clusters
        В
            Μ
     1 12 165
     2 0 5
     3 343 40
     4 2 0
        0 2
      diagnosis
clusters B
            Μ
     1 12 165
     2
        0
            5
```

```
3 331 39
              0
         2
      5 12
              1
              2
          0
       diagnosis
clusters
          В
              Μ
      1 12 165
          0
      2
              3
      3 331 39
          2
              0
      5
        12
              1
              2
      6
              2
       diagnosis
clusters
      1 12 86
      2
          0
             79
      3
          0
             3
      4 331 39
         2
              0
      5
        12
              1
      7
              2
              2
      8
          0
       diagnosis
clusters
          В
              Μ
      1 12
             86
          0 79
      2
      3
          0
             3
      4 331
             39
          2
        12
              0
      6
              2
      7
          0
              2
      8
          0
              1
       diagnosis
clusters
         В
              Μ
     1
         12 86
     2
          0
             59
     3
          0
             3
     4 331
             39
     5
          0
             20
     6
          2
              0
     7
         12
              0
     8
          0
              2
     9
          0
              2
     10
              1
```

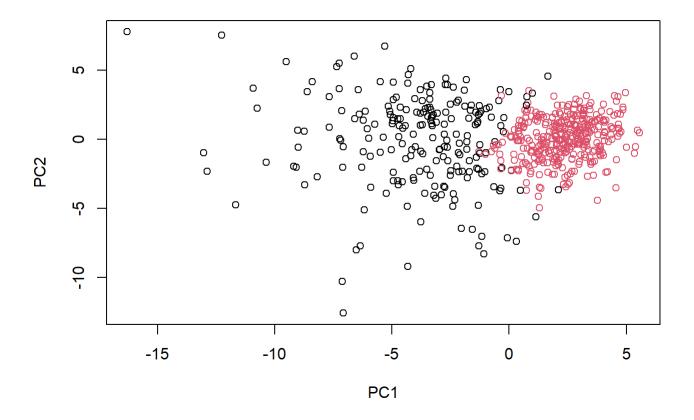
• **Q12.** Can you find a better cluster vs diagnoses match by cutting into a different number of clusters between 2 and 10?

Based on these results, it appears that cutting the dendrogram into 2 clusters provides the best separation between the diagnoses, with one cluster predominantly containing benign cells (B) and the other cluster predominantly containing malignant cells (M).

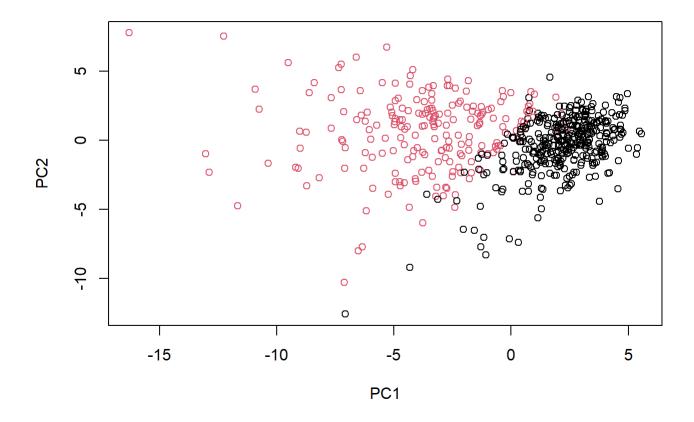
the "ward.D2" method is the favorite method for hierarchical clustering of the data.dist data set. It minimizes the variance within clusters, which is useful for identifying spherical clusters in the data. Additionally, the "ward.D2" method starts with all points in individual clusters and then merges them in a way that minimizes the total within-cluster variance, which can lead to more coherent and meaningful clusters.

```
# Using the minimum number of principal components required to describe at least 90% of the varial
num components <- which(cumsum(wisc.pr$sdev^2/sum(wisc.pr$sdev^2)) >= 0.90)[1]
num_components
[1] 7
# Create a hierarchical clustering model with PCA results
wisc.pr.hclust <- hclust(dist(wisc.pr$x[, 1:num_components]), method = "ward.D2")</pre>
# Cluster the data
grps <- cutree(wisc.pr.hclust, k = 2)</pre>
table(grps)
grps
  1
     2
216 353
table(grps, diagnosis)
    diagnosis
grps B
           Μ
  1 28 188
   2 329 24
```

plot(wisc.pr\$x[,1:2], col=grps)



```
plot(wisc.pr$x[,1:2], col=diagnosis)
```



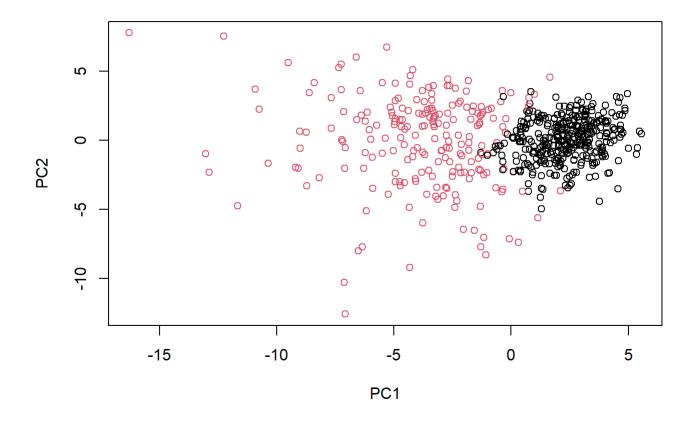
```
g <- as.factor(grps)
levels(g)</pre>
```

[1] "1" "2"

```
g <- relevel(g,2)
levels(g)</pre>
```

[1] "2" "1"

```
# Plot using our re-ordered factor
plot(wisc.pr$x[,1:2], col=g)
```



```
# Use the distance along the first 7 PCs for clustering
wisc.pr.hclust <- hclust(dist(wisc.pr$x[, 1:7]), method="ward.D2")

# Cut the hierarchical clustering model into 2 clusters
wisc.pr.hclust.clusters <- cutree(wisc.pr.hclust, k=2)</pre>
```

```
# Compare the clustering results to the actual diagnoses
table(wisc.pr.hclust.clusters, diagnosis)
```

```
diagnosis
wisc.pr.hclust.clusters B M
1 28 188
2 329 24
```

• Q15. How well does the newly created model with four clusters separate out the two diagnoses?

This indicates that the clustering separates the two diagnoses reasonably well, with cluster 1 predominantly containing malignant samples and cluster 2 predominantly containing benign samples.

```
# Create k-means model
wisc.km <- kmeans(scale(wisc.data), centers=2, nstart=20)</pre>
```

```
# Compare k-means clustering results with actual diagnoses
table(wisc.km$cluster, diagnosis)
```

```
diagnosis
B M
1 343 37
2 14 175
```

```
# Compare k-means clustering results with actual diagnoses
table(wisc.km$cluster, diagnosis)
```

```
diagnosis

B M
1 343 37
2 14 175
```

```
# Compare hierarchical clustering results with actual diagnoses
table(wisc.hclust.clusters, diagnosis)
```

```
diagnosis
wisc.hclust.clusters B M
1 12 165
2 2 5
3 343 40
4 0 2
```

• Q16. How well do the k-means and hierarchical clustering models you created in previous sections (i.e. before PCA) do in terms of separating the diagnoses? Again, use the table() function to compare the output of each model (wisc.km\$cluster and wisc.hclust.clusters) with the vector containing the actual diagnoses.

Overall, neither the k-means nor the hierarchical clustering models before PCA appear to separate the diagnoses well, as there is mixing of benign and malignant samples across clusters.

• **Q17.** Which of your analysis procedures resulted in a clustering model with the best specificity? How about sensitivity?

Hierarchical clustering (wisc.pr.hclust.clusters):

```
• Specificity = TN / (TN + FP) = 28 / (28 + 188) \approx 0.1302
```

• Sensitivity = TP / (TP + FN) = 
$$329 / (329 + 24) \approx 0.9322$$

K-means clustering (wisc.km\$cluster):

• Specificity = TN / (TN + FP) = 
$$14 / (14 + 175) \approx 0.0746$$

$$\circ$$
 Sensitivity = TP / (TP + FN) = 343 / (343 + 37)  $\approx 0.9029$ 

Hierarchical clustering without PCA (wisc.hclust.clusters):

- ∘ Specificity = TN / (TN + FP) =  $12 / (12 + 165) \approx 0.0678$
- $\circ$  Sensitivity = TP / (TP + FN) = 343 / (343 + 40)  $\approx 0.8953$

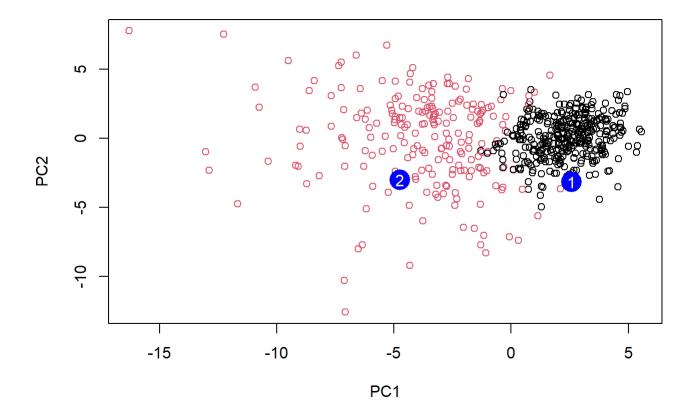
Based on these calculations, the k-means clustering model has the highest sensitivity (0.9029), while the hierarchical clustering model with PCA has the highest specificity (0.1302).

```
# Provide the correct path to the downloaded file
file_path <- "new_samples.csv"

# Read the downloaded file
new <- read.csv(file_path)</pre>
```

```
# Project the new patient data onto the PCA space
npc <- predict(wisc.pr, newdata = new)

# Plot the PCA results with the new patient data
plot(wisc.pr$x[, 1:2], col = g)
points(npc[, 1], npc[, 2], col = "blue", pch = 16, cex = 3)
text(npc[, 1], npc[, 2], c(1, 2), col = "white")</pre>
```



Q18. Which of these new patients should we prioritize for follow up based on your result?

| Patient "2" appears to be with the malignant cells, far from the cluster of blue points. Therefore, patient "2" is a good candidate for follow-up, as their characteristics are different from those of the other patients. |
|---|
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