

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE070918AL\  
 Data File : FE028151.D  
 Signal(s) : FID1B.CH  
 Acq On : 10 Jul 2018 00:58  
 Sample : J3881-09  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Alaphatic EPH 062918.M  
 Title : GC Extractables

Signal : FID1B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.226       | 4.213        | 4.253      | HH       | 740            | 11132        | 0.30%          | 0.005%        |
| 2         | 4.308       | 4.280        | 4.360      | HH       | 782            | 23053        | 0.62%          | 0.011%        |
| 3         | 4.483       | 4.456        | 4.507      | HH       | 1187           | 20124        | 0.54%          | 0.009%        |
| 4         | 4.524       | 4.507        | 4.557      | HH       | 756            | 15757        | 0.43%          | 0.007%        |
| 5         | 4.580       | 4.557        | 4.608      | HH       | 4243           | 45988        | 1.24%          | 0.022%        |
| 6         | 4.641       | 4.608        | 4.653      | HH       | 1240           | 20984        | 0.57%          | 0.010%        |
| 7         | 4.663       | 4.653        | 4.684      | HH       | 715            | 11188        | 0.30%          | 0.005%        |
| 8         | 4.707       | 4.684        | 4.732      | HH       | 3886           | 43589        | 1.18%          | 0.021%        |
| 9         | 4.821       | 4.806        | 4.846      | HH       | 1723           | 22760        | 0.61%          | 0.011%        |
| 10        | 4.867       | 4.846        | 4.904      | HH       | 1792           | 29916        | 0.81%          | 0.014%        |
| 11        | 4.919       | 4.904        | 4.929      | HH       | 977            | 11981        | 0.32%          | 0.006%        |
| 12        | 4.962       | 4.949        | 4.984      | HH       | 1249           | 17188        | 0.46%          | 0.008%        |
| 13        | 5.001       | 4.984        | 5.031      | HH       | 989            | 20945        | 0.57%          | 0.010%        |
| 14        | 5.049       | 5.031        | 5.059      | HH       | 776            | 11413        | 0.31%          | 0.005%        |
| 15        | 5.095       | 5.078        | 5.107      | HH       | 882            | 12562        | 0.34%          | 0.006%        |
| 16        | 5.130       | 5.107        | 5.147      | HH       | 949            | 19282        | 0.52%          | 0.009%        |
| 17        | 5.167       | 5.156        | 5.183      | HH       | 741            | 10044        | 0.27%          | 0.005%        |
| 18        | 5.199       | 5.183        | 5.217      | HH       | 1059           | 15812        | 0.43%          | 0.007%        |
| 19        | 5.220       | 5.217        | 5.245      | HH       | 673            | 10063        | 0.27%          | 0.005%        |
| 20        | 5.266       | 5.245        | 5.271      | HH       | 997            | 13370        | 0.36%          | 0.006%        |
| 21        | 5.281       | 5.271        | 5.297      | HH       | 917            | 12514        | 0.34%          | 0.006%        |
| 22        | 5.310       | 5.297        | 5.323      | HH       | 1151           | 14606        | 0.39%          | 0.007%        |
| 23        | 5.341       | 5.323        | 5.369      | HH       | 5654           | 70437        | 1.90%          | 0.033%        |
| 24        | 5.401       | 5.369        | 5.423      | HH       | 4539           | 74028        | 2.00%          | 0.035%        |
| 25        | 5.435       | 5.423        | 5.442      | HH       | 1105           | 11381        | 0.31%          | 0.005%        |
| 26        | 5.449       | 5.442        | 5.470      | HH       | 1095           | 16513        | 0.45%          | 0.008%        |
| 27        | 5.484       | 5.470        | 5.510      | HH       | 1391           | 23320        | 0.63%          | 0.011%        |
| 28        | 5.534       | 5.510        | 5.551      | HH       | 2774           | 36142        | 0.98%          | 0.017%        |
| 29        | 5.576       | 5.551        | 5.601      | HH       | 2228           | 37808        | 1.02%          | 0.018%        |
| 30        | 5.635       | 5.601        | 5.650      | HH       | 1224           | 29045        | 0.78%          | 0.014%        |
| 31        | 5.671       | 5.650        | 5.693      | HH       | 6411           | 71555        | 1.93%          | 0.034%        |
| 32        | 5.714       | 5.702        | 5.728      | HH       | 1520           | 19332        | 0.52%          | 0.009%        |
| 33        | 5.744       | 5.728        | 5.772      | HH       | 3944           | 54019        | 1.46%          | 0.025%        |
| 34        | 5.788       | 5.772        | 5.810      | HH       | 4841           | 55043        | 1.49%          | 0.026%        |
| 35        | 5.819       | 5.810        | 5.827      | HH       | 1161           | 10607        | 0.29%          | 0.005%        |
| 36        | 5.843       | 5.827        | 5.861      | HH       | 2031           | 27995        | 0.76%          | 0.013%        |

| rteres.txt |       |       |       |    |       |        |       |        |
|------------|-------|-------|-------|----|-------|--------|-------|--------|
| 37         | 5.876 | 5.861 | 5.882 | HH | 1008  | 11674  | 0.32% | 0.005% |
| 38         | 5.908 | 5.882 | 5.918 | HH | 1384  | 24866  | 0.67% | 0.012% |
| 39         | 5.944 | 5.918 | 5.956 | HH | 1463  | 30025  | 0.81% | 0.014% |
| 40         | 5.965 | 5.956 | 5.984 | HH | 1302  | 19621  | 0.53% | 0.009% |
|            |       |       |       |    |       |        |       |        |
| 41         | 5.996 | 5.984 | 6.000 | HH | 1096  | 10117  | 0.27% | 0.005% |
| 42         | 6.025 | 6.013 | 6.042 | HH | 1301  | 20666  | 0.56% | 0.010% |
| 43         | 6.052 | 6.042 | 6.072 | HH | 1461  | 22612  | 0.61% | 0.011% |
| 44         | 6.097 | 6.072 | 6.112 | HH | 1261  | 26301  | 0.71% | 0.012% |
| 45         | 6.117 | 6.112 | 6.130 | HH | 1069  | 11476  | 0.31% | 0.005% |
|            |       |       |       |    |       |        |       |        |
| 46         | 6.138 | 6.130 | 6.148 | HH | 1222  | 12013  | 0.32% | 0.006% |
| 47         | 6.161 | 6.148 | 6.169 | HH | 1213  | 14418  | 0.39% | 0.007% |
| 48         | 6.170 | 6.169 | 6.187 | HH | 1233  | 12164  | 0.33% | 0.006% |
| 49         | 6.208 | 6.187 | 6.221 | HH | 1242  | 24155  | 0.65% | 0.011% |
| 50         | 6.258 | 6.236 | 6.273 | HH | 1362  | 28714  | 0.78% | 0.014% |
|            |       |       |       |    |       |        |       |        |
| 51         | 6.316 | 6.273 | 6.334 | HH | 4315  | 77235  | 2.09% | 0.036% |
| 52         | 6.343 | 6.334 | 6.371 | HH | 1619  | 31795  | 0.86% | 0.015% |
| 53         | 6.384 | 6.371 | 6.410 | HH | 1836  | 37479  | 1.01% | 0.018% |
| 54         | 6.450 | 6.410 | 6.469 | HH | 2036  | 58001  | 1.57% | 0.027% |
| 55         | 6.491 | 6.469 | 6.499 | HH | 1545  | 25271  | 0.68% | 0.012% |
|            |       |       |       |    |       |        |       |        |
| 56         | 6.502 | 6.499 | 6.519 | HH | 1480  | 16829  | 0.45% | 0.008% |
| 57         | 6.527 | 6.519 | 6.546 | HH | 1410  | 21595  | 0.58% | 0.010% |
| 58         | 6.559 | 6.546 | 6.567 | HH | 1656  | 19169  | 0.52% | 0.009% |
| 59         | 6.579 | 6.567 | 6.597 | HH | 1565  | 26270  | 0.71% | 0.012% |
| 60         | 6.620 | 6.597 | 6.639 | HH | 2538  | 45675  | 1.23% | 0.021% |
|            |       |       |       |    |       |        |       |        |
| 61         | 6.666 | 6.639 | 6.685 | HH | 1793  | 43127  | 1.17% | 0.020% |
| 62         | 6.692 | 6.685 | 6.699 | HH | 1489  | 12343  | 0.33% | 0.006% |
| 63         | 6.729 | 6.699 | 6.776 | HH | 12397 | 169258 | 4.57% | 0.080% |
| 64         | 6.787 | 6.776 | 6.800 | HH | 1429  | 19284  | 0.52% | 0.009% |
| 65         | 6.807 | 6.800 | 6.825 | HH | 1436  | 19598  | 0.53% | 0.009% |
|            |       |       |       |    |       |        |       |        |
| 66         | 6.845 | 6.825 | 6.856 | HH | 1434  | 24445  | 0.66% | 0.011% |
| 67         | 6.880 | 6.856 | 6.901 | HH | 2526  | 47385  | 1.28% | 0.022% |
| 68         | 6.936 | 6.901 | 6.968 | HH | 1683  | 58379  | 1.58% | 0.027% |
| 69         | 6.974 | 6.968 | 6.989 | HH | 1381  | 16558  | 0.45% | 0.008% |
| 70         | 7.014 | 6.989 | 7.037 | HH | 1651  | 40285  | 1.09% | 0.019% |
|            |       |       |       |    |       |        |       |        |
| 71         | 7.063 | 7.037 | 7.073 | HH | 1605  | 32097  | 0.87% | 0.015% |
| 72         | 7.078 | 7.073 | 7.084 | HH | 1612  | 10232  | 0.28% | 0.005% |
| 73         | 7.100 | 7.084 | 7.114 | HH | 1768  | 28189  | 0.76% | 0.013% |
| 74         | 7.125 | 7.114 | 7.135 | HH | 1572  | 19286  | 0.52% | 0.009% |
| 75         | 7.152 | 7.135 | 7.157 | HH | 1679  | 21149  | 0.57% | 0.010% |
|            |       |       |       |    |       |        |       |        |
| 76         | 7.184 | 7.167 | 7.212 | HH | 2229  | 47365  | 1.28% | 0.022% |
| 77         | 7.218 | 7.212 | 7.229 | HH | 1620  | 16282  | 0.44% | 0.008% |
| 78         | 7.250 | 7.229 | 7.265 | HH | 2208  | 38851  | 1.05% | 0.018% |
| 79         | 7.272 | 7.265 | 7.281 | HH | 1681  | 16032  | 0.43% | 0.008% |
| 80         | 7.296 | 7.281 | 7.314 | HH | 1786  | 33862  | 0.91% | 0.016% |
|            |       |       |       |    |       |        |       |        |
| 81         | 7.334 | 7.314 | 7.351 | HH | 1997  | 38681  | 1.05% | 0.018% |
| 82         | 7.379 | 7.351 | 7.415 | HH | 2282  | 71222  | 1.92% | 0.033% |
| 83         | 7.437 | 7.415 | 7.459 | HH | 3074  | 58602  | 1.58% | 0.028% |
| 84         | 7.470 | 7.459 | 7.497 | HH | 2258  | 45423  | 1.23% | 0.021% |
| 85         | 7.520 | 7.497 | 7.532 | HH | 2615  | 46805  | 1.26% | 0.022% |
|            |       |       |       |    |       |        |       |        |
| 86         | 7.539 | 7.532 | 7.580 | HH | 2404  | 59234  | 1.60% | 0.028% |
| 87         | 7.599 | 7.580 | 7.621 | HH | 2224  | 47777  | 1.29% | 0.022% |
| 88         | 7.626 | 7.621 | 7.631 | HH | 1951  | 11886  | 0.32% | 0.006% |
| 89         | 7.659 | 7.631 | 7.679 | HH | 5242  | 85107  | 2.30% | 0.040% |

|     |       |       |       |    |            |        |       |        |
|-----|-------|-------|-------|----|------------|--------|-------|--------|
|     |       |       |       |    | rteres.txt |        |       |        |
| 90  | 7.695 | 7.679 | 7.709 | HH | 2234       | 36598  | 0.99% | 0.017% |
| 91  | 7.730 | 7.709 | 7.760 | HH | 3609       | 74355  | 2.01% | 0.035% |
| 92  | 7.765 | 7.760 | 7.774 | HH | 2017       | 16311  | 0.44% | 0.008% |
| 93  | 7.808 | 7.774 | 7.848 | HH | 4693       | 118037 | 3.19% | 0.056% |
| 94  | 7.852 | 7.848 | 7.864 | HH | 2080       | 19678  | 0.53% | 0.009% |
| 95  | 7.883 | 7.864 | 7.906 | HH | 4005       | 68778  | 1.86% | 0.032% |
| 96  | 7.925 | 7.906 | 7.951 | HH | 2360       | 58070  | 1.57% | 0.027% |
| 97  | 7.974 | 7.951 | 7.998 | HH | 2705       | 68227  | 1.84% | 0.032% |
| 98  | 8.013 | 7.998 | 8.017 | HH | 2832       | 31330  | 0.85% | 0.015% |
| 99  | 8.022 | 8.017 | 8.027 | HH | 2811       | 15680  | 0.42% | 0.007% |
| 100 | 8.034 | 8.027 | 8.043 | HH | 2826       | 26430  | 0.71% | 0.012% |
| 101 | 8.066 | 8.043 | 8.099 | HH | 4099       | 111290 | 3.01% | 0.052% |
| 102 | 8.105 | 8.099 | 8.129 | HH | 2834       | 49105  | 1.33% | 0.023% |
| 103 | 8.142 | 8.129 | 8.155 | HH | 2702       | 38960  | 1.05% | 0.018% |
| 104 | 8.163 | 8.155 | 8.175 | HH | 2325       | 27880  | 0.75% | 0.013% |
| 105 | 8.187 | 8.175 | 8.199 | HH | 2403       | 32468  | 0.88% | 0.015% |
| 106 | 8.230 | 8.199 | 8.251 | HH | 2903       | 78911  | 2.13% | 0.037% |
| 107 | 8.256 | 8.251 | 8.264 | HH | 2469       | 17918  | 0.48% | 0.008% |
| 108 | 8.287 | 8.264 | 8.316 | HH | 5156       | 105603 | 2.85% | 0.050% |
| 109 | 8.320 | 8.316 | 8.339 | HH | 2486       | 32451  | 0.88% | 0.015% |
| 110 | 8.357 | 8.339 | 8.373 | HH | 3843       | 61744  | 1.67% | 0.029% |
| 111 | 8.389 | 8.373 | 8.399 | HH | 2800       | 41150  | 1.11% | 0.019% |
| 112 | 8.407 | 8.399 | 8.412 | HH | 2610       | 20919  | 0.57% | 0.010% |
| 113 | 8.440 | 8.412 | 8.471 | HH | 3170       | 95574  | 2.58% | 0.045% |
| 114 | 8.483 | 8.471 | 8.496 | HH | 2684       | 38525  | 1.04% | 0.018% |
| 115 | 8.501 | 8.496 | 8.509 | HH | 2582       | 20000  | 0.54% | 0.009% |
| 116 | 8.535 | 8.509 | 8.564 | HH | 8411       | 143099 | 3.87% | 0.067% |
| 117 | 8.570 | 8.564 | 8.576 | HH | 2769       | 19276  | 0.52% | 0.009% |
| 118 | 8.583 | 8.576 | 8.616 | HH | 2838       | 62191  | 1.68% | 0.029% |
| 119 | 8.644 | 8.616 | 8.665 | HH | 2816       | 79405  | 2.15% | 0.037% |
| 120 | 8.677 | 8.665 | 8.694 | HH | 2726       | 46254  | 1.25% | 0.022% |
| 121 | 8.721 | 8.694 | 8.751 | HH | 3877       | 105339 | 2.85% | 0.050% |
| 122 | 8.769 | 8.751 | 8.786 | HH | 2780       | 54990  | 1.49% | 0.026% |
| 123 | 8.827 | 8.786 | 8.859 | HH | 3042       | 122956 | 3.32% | 0.058% |
| 124 | 8.864 | 8.859 | 8.884 | HH | 2758       | 40128  | 1.08% | 0.019% |
| 125 | 8.906 | 8.884 | 8.932 | HH | 3262       | 88009  | 2.38% | 0.041% |
| 126 | 8.951 | 8.932 | 8.969 | HH | 3385       | 71634  | 1.94% | 0.034% |
| 127 | 8.984 | 8.969 | 9.004 | HH | 3357       | 66719  | 1.80% | 0.031% |
| 128 | 9.019 | 9.004 | 9.043 | HH | 3990       | 81904  | 2.21% | 0.039% |
| 129 | 9.077 | 9.043 | 9.114 | HH | 6235       | 176231 | 4.76% | 0.083% |
| 130 | 9.123 | 9.114 | 9.145 | HH | 3509       | 59616  | 1.61% | 0.028% |
| 131 | 9.168 | 9.145 | 9.185 | HH | 3891       | 80122  | 2.16% | 0.038% |
| 132 | 9.195 | 9.185 | 9.209 | HH | 3302       | 46763  | 1.26% | 0.022% |
| 133 | 9.223 | 9.209 | 9.235 | HH | 3445       | 51383  | 1.39% | 0.024% |
| 134 | 9.260 | 9.235 | 9.292 | HH | 4963       | 137613 | 3.72% | 0.065% |
| 135 | 9.307 | 9.292 | 9.318 | HH | 3737       | 54883  | 1.48% | 0.026% |
| 136 | 9.333 | 9.318 | 9.341 | HH | 3941       | 53707  | 1.45% | 0.025% |
| 137 | 9.362 | 9.341 | 9.417 | HH | 8503       | 205797 | 5.56% | 0.097% |
| 138 | 9.429 | 9.417 | 9.436 | HH | 3422       | 37897  | 1.02% | 0.018% |
| 139 | 9.449 | 9.436 | 9.455 | HH | 3751       | 40753  | 1.10% | 0.019% |
| 140 | 9.457 | 9.455 | 9.465 | HH | 3633       | 21261  | 0.57% | 0.010% |
| 141 | 9.487 | 9.465 | 9.492 | HH | 3773       | 61164  | 1.65% | 0.029% |

|     |        |        |        |    |            |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
|     |        |        |        |    | rteres.txt |        |       |        |
| 142 | 9.497  | 9.492  | 9.515  | HH | 3740       | 48375  | 1.31% | 0.023% |
| 143 | 9.543  | 9.515  | 9.572  | HH | 6122       | 160230 | 4.33% | 0.075% |
| 144 | 9.587  | 9.572  | 9.617  | HH | 4330       | 105890 | 2.86% | 0.050% |
| 145 | 9.622  | 9.617  | 9.637  | HH | 3817       | 45449  | 1.23% | 0.021% |
| 146 | 9.661  | 9.637  | 9.681  | HH | 5122       | 110298 | 2.98% | 0.052% |
| 147 | 9.733  | 9.681  | 9.764  | HH | 4881       | 213026 | 5.76% | 0.100% |
| 148 | 9.781  | 9.764  | 9.794  | HH | 5227       | 83351  | 2.25% | 0.039% |
| 149 | 9.804  | 9.794  | 9.846  | HH | 5430       | 136822 | 3.70% | 0.064% |
| 150 | 9.867  | 9.846  | 9.876  | HH | 4655       | 77122  | 2.08% | 0.036% |
| 151 | 9.885  | 9.876  | 9.908  | HH | 4963       | 86073  | 2.33% | 0.040% |
| 152 | 9.924  | 9.908  | 9.951  | HH | 4830       | 106725 | 2.88% | 0.050% |
| 153 | 9.956  | 9.951  | 9.966  | HH | 3803       | 33810  | 0.91% | 0.016% |
| 154 | 9.986  | 9.966  | 10.006 | HH | 4226       | 97307  | 2.63% | 0.046% |
| 155 | 10.018 | 10.006 | 10.039 | HH | 4069       | 77546  | 2.10% | 0.036% |
| 156 | 10.063 | 10.039 | 10.080 | HH | 4751       | 105023 | 2.84% | 0.049% |
| 157 | 10.088 | 10.080 | 10.096 | HH | 4314       | 40057  | 1.08% | 0.019% |
| 158 | 10.104 | 10.096 | 10.116 | HH | 4346       | 52725  | 1.42% | 0.025% |
| 159 | 10.145 | 10.116 | 10.178 | HH | 10486      | 215837 | 5.83% | 0.102% |
| 160 | 10.183 | 10.178 | 10.200 | HH | 4398       | 55472  | 1.50% | 0.026% |
| 161 | 10.223 | 10.200 | 10.239 | HH | 4670       | 105008 | 2.84% | 0.049% |
| 162 | 10.253 | 10.239 | 10.302 | HH | 4587       | 167420 | 4.52% | 0.079% |
| 163 | 10.326 | 10.302 | 10.343 | HH | 4583       | 107688 | 2.91% | 0.051% |
| 164 | 10.365 | 10.343 | 10.374 | HH | 4641       | 83311  | 2.25% | 0.039% |
| 165 | 10.383 | 10.374 | 10.404 | HH | 4554       | 82919  | 2.24% | 0.039% |
| 166 | 10.427 | 10.404 | 10.448 | HH | 4762       | 119867 | 3.24% | 0.056% |
| 167 | 10.494 | 10.448 | 10.503 | HH | 5023       | 153798 | 4.16% | 0.072% |
| 168 | 10.538 | 10.503 | 10.565 | HH | 7837       | 216869 | 5.86% | 0.102% |
| 169 | 10.587 | 10.565 | 10.604 | HH | 5456       | 119461 | 3.23% | 0.056% |
| 170 | 10.625 | 10.604 | 10.640 | HH | 5637       | 114542 | 3.09% | 0.054% |
| 171 | 10.646 | 10.640 | 10.664 | HH | 5246       | 73323  | 1.98% | 0.034% |
| 172 | 10.681 | 10.664 | 10.717 | HH | 5613       | 167743 | 4.53% | 0.079% |
| 173 | 10.763 | 10.717 | 10.775 | HH | 5379       | 180268 | 4.87% | 0.085% |
| 174 | 10.790 | 10.775 | 10.796 | HH | 5724       | 71239  | 1.92% | 0.034% |
| 175 | 10.833 | 10.796 | 10.851 | HH | 6619       | 198944 | 5.37% | 0.094% |
| 176 | 10.887 | 10.851 | 10.931 | HH | 12260      | 351681 | 9.50% | 0.165% |
| 177 | 10.960 | 10.931 | 10.984 | HH | 11442      | 251930 | 6.81% | 0.118% |
| 178 | 11.004 | 10.984 | 11.029 | HH | 6590       | 170938 | 4.62% | 0.080% |
| 179 | 11.041 | 11.029 | 11.055 | HH | 6411       | 96303  | 2.60% | 0.045% |
| 180 | 11.078 | 11.055 | 11.090 | HH | 6296       | 127728 | 3.45% | 0.060% |
| 181 | 11.101 | 11.090 | 11.117 | HH | 6067       | 96966  | 2.62% | 0.046% |
| 182 | 11.147 | 11.117 | 11.164 | HH | 6826       | 178675 | 4.83% | 0.084% |
| 183 | 11.177 | 11.164 | 11.191 | HH | 6385       | 100458 | 2.71% | 0.047% |
| 184 | 11.215 | 11.191 | 11.247 | HH | 10311      | 254861 | 6.89% | 0.120% |
| 185 | 11.267 | 11.247 | 11.303 | HH | 8626       | 247459 | 6.69% | 0.116% |
| 186 | 11.336 | 11.303 | 11.361 | HH | 7648       | 245049 | 6.62% | 0.115% |
| 187 | 11.402 | 11.361 | 11.437 | HH | 7800       | 319980 | 8.64% | 0.151% |
| 188 | 11.477 | 11.437 | 11.505 | HH | 7318       | 280014 | 7.57% | 0.132% |
| 189 | 11.525 | 11.505 | 11.542 | HH | 7905       | 156566 | 4.23% | 0.074% |
| 190 | 11.563 | 11.542 | 11.576 | HH | 7812       | 149697 | 4.04% | 0.070% |
| 191 | 11.594 | 11.576 | 11.615 | HH | 12841      | 217543 | 5.88% | 0.102% |
| 192 | 11.647 | 11.615 | 11.664 | HH | 7621       | 203939 | 5.51% | 0.096% |
| 193 | 11.687 | 11.664 | 11.731 | HH | 9886       | 310146 | 8.38% | 0.146% |
| 194 | 11.753 | 11.731 | 11.778 | HH | 7008       | 192744 | 5.21% | 0.091% |

|     |        |        |        |    |            |         |         |        |
|-----|--------|--------|--------|----|------------|---------|---------|--------|
|     |        |        |        |    | rteres.txt |         |         |        |
| 195 | 11.798 | 11.778 | 11.821 | HH | 9217       | 196216  | 5.30%   | 0.092% |
| 196 | 11.854 | 11.821 | 11.874 | HH | 7771       | 233772  | 6.32%   | 0.110% |
| 197 | 11.909 | 11.874 | 11.942 | HH | 7661       | 294864  | 7.97%   | 0.139% |
| 198 | 11.965 | 11.942 | 11.971 | HH | 7524       | 130791  | 3.53%   | 0.062% |
| 199 | 12.003 | 11.971 | 12.010 | HH | 8055       | 176880  | 4.78%   | 0.083% |
| 200 | 12.024 | 12.010 | 12.041 | HH | 8624       | 154242  | 4.17%   | 0.073% |
| 201 | 12.055 | 12.041 | 12.061 | HH | 7777       | 92664   | 2.50%   | 0.044% |
| 202 | 12.083 | 12.061 | 12.102 | HH | 7831       | 187553  | 5.07%   | 0.088% |
| 203 | 12.147 | 12.102 | 12.173 | HH | 8353       | 337823  | 9.13%   | 0.159% |
| 204 | 12.199 | 12.173 | 12.212 | HH | 8044       | 181286  | 4.90%   | 0.085% |
| 205 | 12.266 | 12.212 | 12.327 | HH | 13024      | 631546  | 17.06%  | 0.297% |
| 206 | 12.334 | 12.327 | 12.338 | HH | 8036       | 51835   | 1.40%   | 0.024% |
| 207 | 12.382 | 12.338 | 12.406 | HH | 9255       | 345720  | 9.34%   | 0.163% |
| 208 | 12.409 | 12.406 | 12.414 | HH | 8463       | 42924   | 1.16%   | 0.020% |
| 209 | 12.424 | 12.414 | 12.432 | HH | 8479       | 89724   | 2.42%   | 0.042% |
| 210 | 12.438 | 12.432 | 12.441 | HH | 8586       | 45266   | 1.22%   | 0.021% |
| 211 | 12.445 | 12.441 | 12.463 | HH | 8583       | 111875  | 3.02%   | 0.053% |
| 212 | 12.491 | 12.463 | 12.507 | HH | 9130       | 227267  | 6.14%   | 0.107% |
| 213 | 12.526 | 12.507 | 12.550 | HH | 11171      | 251156  | 6.79%   | 0.118% |
| 214 | 12.579 | 12.550 | 12.629 | HH | 10057      | 451318  | 12.19%  | 0.212% |
| 215 | 12.645 | 12.629 | 12.653 | HH | 9259       | 130516  | 3.53%   | 0.061% |
| 216 | 12.668 | 12.653 | 12.675 | HH | 9537       | 123771  | 3.34%   | 0.058% |
| 217 | 12.683 | 12.675 | 12.696 | HH | 9484       | 115434  | 3.12%   | 0.054% |
| 218 | 12.719 | 12.696 | 12.743 | HH | 10290      | 276073  | 7.46%   | 0.130% |
| 219 | 12.759 | 12.743 | 12.795 | HH | 9836       | 292294  | 7.90%   | 0.137% |
| 220 | 12.809 | 12.795 | 12.814 | HH | 9316       | 103367  | 2.79%   | 0.049% |
| 221 | 12.832 | 12.814 | 12.847 | HH | 9928       | 191969  | 5.19%   | 0.090% |
| 222 | 12.860 | 12.847 | 12.874 | HH | 9916       | 156177  | 4.22%   | 0.073% |
| 223 | 12.909 | 12.874 | 12.932 | HH | 15449      | 389221  | 10.52%  | 0.183% |
| 224 | 12.945 | 12.932 | 12.958 | HH | 9663       | 145358  | 3.93%   | 0.068% |
| 225 | 12.981 | 12.958 | 12.997 | HH | 9869       | 228258  | 6.17%   | 0.107% |
| 226 | 13.037 | 12.997 | 13.051 | HH | 10411      | 315930  | 8.54%   | 0.149% |
| 227 | 13.056 | 13.051 | 13.062 | HH | 10305      | 72149   | 1.95%   | 0.034% |
| 228 | 13.071 | 13.062 | 13.091 | HH | 10698      | 172508  | 4.66%   | 0.081% |
| 229 | 13.136 | 13.091 | 13.141 | HH | 9604       | 281985  | 7.62%   | 0.133% |
| 230 | 13.145 | 13.141 | 13.148 | HH | 9601       | 43372   | 1.17%   | 0.020% |
| 231 | 13.157 | 13.148 | 13.172 | HH | 9797       | 136246  | 3.68%   | 0.064% |
| 232 | 13.186 | 13.172 | 13.198 | HH | 10181      | 155714  | 4.21%   | 0.073% |
| 233 | 13.208 | 13.198 | 13.231 | HH | 10109      | 192970  | 5.21%   | 0.091% |
| 234 | 13.235 | 13.231 | 13.248 | HH | 9612       | 96221   | 2.60%   | 0.045% |
| 235 | 13.266 | 13.248 | 13.291 | HH | 10252      | 259643  | 7.01%   | 0.122% |
| 236 | 13.308 | 13.291 | 13.323 | HH | 10119      | 184345  | 4.98%   | 0.087% |
| 237 | 13.365 | 13.323 | 13.425 | HH | 304322     | 3701437 | 100.00% | 1.741% |
| 238 | 13.443 | 13.425 | 13.461 | HH | 10988      | 225514  | 6.09%   | 0.106% |
| 239 | 13.466 | 13.461 | 13.476 | HH | 10416      | 95453   | 2.58%   | 0.045% |
| 240 | 13.490 | 13.476 | 13.503 | HH | 10741      | 170587  | 4.61%   | 0.080% |
| 241 | 13.525 | 13.503 | 13.564 | HH | 16318      | 440593  | 11.90%  | 0.207% |
| 242 | 13.602 | 13.564 | 13.617 | HH | 11245      | 347709  | 9.39%   | 0.164% |
| 243 | 13.637 | 13.617 | 13.669 | HH | 11183      | 336358  | 9.09%   | 0.158% |
| 244 | 13.674 | 13.669 | 13.678 | HH | 10461      | 54009   | 1.46%   | 0.025% |
| 245 | 13.696 | 13.678 | 13.701 | HH | 10730      | 147961  | 4.00%   | 0.070% |
| 246 | 13.719 | 13.701 | 13.725 | HH | 11269      | 154813  | 4.18%   | 0.073% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 247        | 13.727 | 13.725 | 13.733 | HH | 11208 | 54801  | 1.48%  | 0.026% |
| 248        | 13.757 | 13.733 | 13.776 | HH | 11670 | 290486 | 7.85%  | 0.137% |
| 249        | 13.798 | 13.776 | 13.818 | HH | 13135 | 306910 | 8.29%  | 0.144% |
| 250        | 13.832 | 13.818 | 13.850 | HH | 11861 | 222011 | 6.00%  | 0.104% |
|            |        |        |        |    |       |        |        |        |
| 251        | 13.868 | 13.850 | 13.885 | HH | 11757 | 239599 | 6.47%  | 0.113% |
| 252        | 13.910 | 13.885 | 13.920 | HH | 12205 | 249449 | 6.74%  | 0.117% |
| 253        | 13.933 | 13.920 | 13.944 | HH | 12717 | 179037 | 4.84%  | 0.084% |
| 254        | 13.964 | 13.944 | 14.015 | HH | 12562 | 518404 | 14.01% | 0.244% |
| 255        | 14.029 | 14.015 | 14.045 | HH | 12189 | 214066 | 5.78%  | 0.101% |
|            |        |        |        |    |       |        |        |        |
| 256        | 14.062 | 14.045 | 14.081 | HH | 12524 | 262520 | 7.09%  | 0.123% |
| 257        | 14.113 | 14.081 | 14.134 | HH | 19033 | 465719 | 12.58% | 0.219% |
| 258        | 14.148 | 14.134 | 14.186 | HH | 14222 | 416420 | 11.25% | 0.196% |
| 259        | 14.197 | 14.186 | 14.237 | HH | 13319 | 392623 | 10.61% | 0.185% |
| 260        | 14.277 | 14.237 | 14.288 | HH | 12986 | 391888 | 10.59% | 0.184% |
|            |        |        |        |    |       |        |        |        |
| 261        | 14.295 | 14.288 | 14.297 | HH | 12838 | 66203  | 1.79%  | 0.031% |
| 262        | 14.305 | 14.297 | 14.320 | HH | 13055 | 176915 | 4.78%  | 0.083% |
| 263        | 14.360 | 14.320 | 14.392 | HH | 14149 | 577931 | 15.61% | 0.272% |
| 264        | 14.417 | 14.392 | 14.444 | HH | 14121 | 413626 | 11.17% | 0.195% |
| 265        | 14.462 | 14.444 | 14.479 | HH | 13678 | 284601 | 7.69%  | 0.134% |
|            |        |        |        |    |       |        |        |        |
| 266        | 14.482 | 14.479 | 14.495 | HH | 13596 | 126695 | 3.42%  | 0.060% |
| 267        | 14.506 | 14.495 | 14.514 | HH | 13604 | 154573 | 4.18%  | 0.073% |
| 268        | 14.554 | 14.514 | 14.579 | HH | 16019 | 565778 | 15.29% | 0.266% |
| 269        | 14.603 | 14.579 | 14.624 | HH | 14437 | 374260 | 10.11% | 0.176% |
| 270        | 14.628 | 14.624 | 14.639 | HH | 13873 | 120622 | 3.26%  | 0.057% |
|            |        |        |        |    |       |        |        |        |
| 271        | 14.656 | 14.639 | 14.666 | HH | 17139 | 256151 | 6.92%  | 0.120% |
| 272        | 14.680 | 14.666 | 14.706 | HH | 21798 | 414422 | 11.20% | 0.195% |
| 273        | 14.710 | 14.706 | 14.718 | HH | 13883 | 104674 | 2.83%  | 0.049% |
| 274        | 14.740 | 14.718 | 14.746 | HH | 14608 | 234229 | 6.33%  | 0.110% |
| 275        | 14.751 | 14.746 | 14.761 | HH | 14588 | 130690 | 3.53%  | 0.061% |
|            |        |        |        |    |       |        |        |        |
| 276        | 14.778 | 14.761 | 14.794 | HH | 15483 | 304140 | 8.22%  | 0.143% |
| 277        | 14.807 | 14.794 | 14.814 | HH | 14902 | 174995 | 4.73%  | 0.082% |
| 278        | 14.829 | 14.814 | 14.862 | HH | 15120 | 423882 | 11.45% | 0.199% |
| 279        | 14.885 | 14.862 | 14.889 | HH | 14861 | 230583 | 6.23%  | 0.108% |
| 280        | 14.899 | 14.889 | 14.918 | HH | 14935 | 261817 | 7.07%  | 0.123% |
|            |        |        |        |    |       |        |        |        |
| 281        | 14.929 | 14.918 | 14.933 | HH | 14862 | 132077 | 3.57%  | 0.062% |
| 282        | 14.938 | 14.933 | 14.942 | HH | 14871 | 77144  | 2.08%  | 0.036% |
| 283        | 14.964 | 14.942 | 14.986 | HH | 16918 | 411530 | 11.12% | 0.194% |
| 284        | 15.002 | 14.986 | 15.017 | HH | 15408 | 283100 | 7.65%  | 0.133% |
| 285        | 15.037 | 15.017 | 15.049 | HH | 16007 | 297341 | 8.03%  | 0.140% |
|            |        |        |        |    |       |        |        |        |
| 286        | 15.064 | 15.049 | 15.075 | HH | 16279 | 250236 | 6.76%  | 0.118% |
| 287        | 15.082 | 15.075 | 15.105 | HH | 15828 | 279152 | 7.54%  | 0.131% |
| 288        | 15.125 | 15.105 | 15.148 | HH | 16435 | 412011 | 11.13% | 0.194% |
| 289        | 15.178 | 15.148 | 15.195 | HH | 17079 | 457388 | 12.36% | 0.215% |
| 290        | 15.223 | 15.195 | 15.249 | HH | 27030 | 638396 | 17.25% | 0.300% |
|            |        |        |        |    |       |        |        |        |
| 291        | 15.257 | 15.249 | 15.262 | HH | 16407 | 124038 | 3.35%  | 0.058% |
| 292        | 15.277 | 15.262 | 15.298 | HH | 17024 | 357808 | 9.67%  | 0.168% |
| 293        | 15.309 | 15.298 | 15.329 | HH | 16861 | 309069 | 8.35%  | 0.145% |
| 294        | 15.345 | 15.329 | 15.357 | HH | 16509 | 279886 | 7.56%  | 0.132% |
| 295        | 15.371 | 15.357 | 15.377 | HH | 16992 | 201425 | 5.44%  | 0.095% |
|            |        |        |        |    |       |        |        |        |
| 296        | 15.385 | 15.377 | 15.405 | HH | 17251 | 276333 | 7.47%  | 0.130% |
| 297        | 15.433 | 15.405 | 15.456 | HH | 17488 | 530483 | 14.33% | 0.250% |
| 298        | 15.468 | 15.456 | 15.478 | HH | 17140 | 223236 | 6.03%  | 0.105% |
| 299        | 15.503 | 15.478 | 15.523 | HH | 17222 | 464493 | 12.55% | 0.218% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 300 | 15.561 | 15.523 | 15.594 | HH | 19142      | 760807  | 20.55% | 0.358% |
| 301 | 15.611 | 15.594 | 15.626 | HH | 18262      | 343446  | 9.28%  | 0.162% |
| 302 | 15.637 | 15.626 | 15.651 | HH | 17974      | 262929  | 7.10%  | 0.124% |
| 303 | 15.656 | 15.651 | 15.659 | HH | 17593      | 86434   | 2.34%  | 0.041% |
| 304 | 15.697 | 15.659 | 15.706 | HH | 18521      | 509251  | 13.76% | 0.240% |
| 305 | 15.709 | 15.706 | 15.724 | HH | 18500      | 201604  | 5.45%  | 0.095% |
| 306 | 15.745 | 15.724 | 15.769 | HH | 29572      | 614937  | 16.61% | 0.289% |
| 307 | 15.774 | 15.769 | 15.779 | HH | 19040      | 110142  | 2.98%  | 0.052% |
| 308 | 15.789 | 15.779 | 15.794 | HH | 18999      | 170435  | 4.60%  | 0.080% |
| 309 | 15.798 | 15.794 | 15.819 | HH | 18935      | 278809  | 7.53%  | 0.131% |
| 310 | 15.826 | 15.819 | 15.830 | HH | 18285      | 119470  | 3.23%  | 0.056% |
| 311 | 15.837 | 15.830 | 15.852 | HH | 18475      | 247042  | 6.67%  | 0.116% |
| 312 | 15.878 | 15.852 | 15.884 | HH | 18571      | 352890  | 9.53%  | 0.166% |
| 313 | 15.888 | 15.884 | 15.896 | HH | 18449      | 124448  | 3.36%  | 0.059% |
| 314 | 15.921 | 15.896 | 15.941 | HH | 22042      | 534439  | 14.44% | 0.251% |
| 315 | 15.950 | 15.941 | 15.961 | HH | 19113      | 233475  | 6.31%  | 0.110% |
| 316 | 16.002 | 15.961 | 16.016 | HH | 20507      | 654610  | 17.69% | 0.308% |
| 317 | 16.038 | 16.016 | 16.057 | HH | 20707      | 488824  | 13.21% | 0.230% |
| 318 | 16.071 | 16.057 | 16.086 | HH | 21113      | 357433  | 9.66%  | 0.168% |
| 319 | 16.125 | 16.086 | 16.147 | HH | 20999      | 752844  | 20.34% | 0.354% |
| 320 | 16.152 | 16.147 | 16.161 | HH | 20655      | 181686  | 4.91%  | 0.085% |
| 321 | 16.169 | 16.161 | 16.174 | HH | 20783      | 158923  | 4.29%  | 0.075% |
| 322 | 16.187 | 16.174 | 16.204 | HH | 21238      | 371512  | 10.04% | 0.175% |
| 323 | 16.249 | 16.204 | 16.277 | HH | 33766      | 1063601 | 28.73% | 0.500% |
| 324 | 16.301 | 16.277 | 16.335 | HH | 22606      | 761958  | 20.59% | 0.358% |
| 325 | 16.356 | 16.335 | 16.367 | HH | 22121      | 415540  | 11.23% | 0.195% |
| 326 | 16.386 | 16.367 | 16.396 | HH | 22515      | 382013  | 10.32% | 0.180% |
| 327 | 16.421 | 16.396 | 16.441 | HH | 23436      | 609472  | 16.47% | 0.287% |
| 328 | 16.466 | 16.441 | 16.480 | HH | 26215      | 583227  | 15.76% | 0.274% |
| 329 | 16.484 | 16.480 | 16.514 | HH | 25778      | 491607  | 13.28% | 0.231% |
| 330 | 16.561 | 16.514 | 16.599 | HH | 26956      | 1291064 | 34.88% | 0.607% |
| 331 | 16.619 | 16.599 | 16.629 | HH | 26141      | 456656  | 12.34% | 0.215% |
| 332 | 16.642 | 16.629 | 16.680 | HH | 26521      | 777661  | 21.01% | 0.366% |
| 333 | 16.687 | 16.680 | 16.700 | HH | 24870      | 297591  | 8.04%  | 0.140% |
| 334 | 16.735 | 16.700 | 16.756 | HH | 39980      | 1008621 | 27.25% | 0.474% |
| 335 | 16.769 | 16.756 | 16.796 | HH | 26918      | 611896  | 16.53% | 0.288% |
| 336 | 16.835 | 16.796 | 16.840 | HH | 26510      | 690718  | 18.66% | 0.325% |
| 337 | 16.854 | 16.840 | 16.864 | HH | 27746      | 386168  | 10.43% | 0.182% |
| 338 | 16.892 | 16.864 | 16.912 | HH | 30171      | 841533  | 22.74% | 0.396% |
| 339 | 16.916 | 16.912 | 16.931 | HH | 29692      | 322761  | 8.72%  | 0.152% |
| 340 | 16.962 | 16.931 | 16.992 | HH | 30110      | 1075783 | 29.06% | 0.506% |
| 341 | 17.033 | 16.992 | 17.054 | HH | 31077      | 1096717 | 29.63% | 0.516% |
| 342 | 17.085 | 17.054 | 17.136 | HH | 31286      | 1460788 | 39.47% | 0.687% |
| 343 | 17.167 | 17.136 | 17.174 | HH | 30532      | 679956  | 18.37% | 0.320% |
| 344 | 17.205 | 17.174 | 17.234 | HH | 44589      | 1302962 | 35.20% | 0.613% |
| 345 | 17.258 | 17.234 | 17.276 | HH | 43926      | 943304  | 25.48% | 0.444% |
| 346 | 17.294 | 17.276 | 17.308 | HH | 36197      | 645799  | 17.45% | 0.304% |
| 347 | 17.327 | 17.308 | 17.342 | HH | 34799      | 704099  | 19.02% | 0.331% |
| 348 | 17.347 | 17.342 | 17.352 | HH | 33266      | 193284  | 5.22%  | 0.091% |
| 349 | 17.367 | 17.352 | 17.386 | HH | 33467      | 676318  | 18.27% | 0.318% |
| 350 | 17.409 | 17.386 | 17.421 | HH | 37545      | 741207  | 20.02% | 0.349% |
| 351 | 17.430 | 17.421 | 17.447 | HH | 36698      | 568666  | 15.36% | 0.267% |

|     |        |        |        |    | rteres.txt |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
| 352 | 17.457 | 17.447 | 17.472 | HH | 36801      | 528412  | 14.28% | 0.249% |
| 353 | 17.493 | 17.472 | 17.513 | HH | 40425      | 931666  | 25.17% | 0.438% |
| 354 | 17.555 | 17.513 | 17.589 | HH | 38577      | 1654925 | 44.71% | 0.778% |
| 355 | 17.594 | 17.589 | 17.609 | HH | 36378      | 427432  | 11.55% | 0.201% |
| 356 | 17.630 | 17.609 | 17.640 | HH | 39750      | 706659  | 19.09% | 0.332% |
| 357 | 17.660 | 17.640 | 17.691 | HH | 60188      | 1407417 | 38.02% | 0.662% |
| 358 | 17.723 | 17.691 | 17.740 | HH | 41795      | 1108858 | 29.96% | 0.522% |
| 359 | 17.758 | 17.740 | 17.782 | HH | 43304      | 1014240 | 27.40% | 0.477% |
| 360 | 17.808 | 17.782 | 17.838 | HH | 45719      | 1369676 | 37.00% | 0.644% |
| 361 | 17.854 | 17.838 | 17.874 | HH | 38810      | 791590  | 21.39% | 0.372% |
| 362 | 17.894 | 17.874 | 17.913 | HH | 39505      | 898826  | 24.28% | 0.423% |
| 363 | 17.925 | 17.913 | 17.931 | HH | 37280      | 403557  | 10.90% | 0.190% |
| 364 | 17.933 | 17.931 | 17.943 | HH | 37027      | 249578  | 6.74%  | 0.117% |
| 365 | 17.959 | 17.943 | 17.965 | HH | 38167      | 500596  | 13.52% | 0.235% |
| 366 | 17.986 | 17.965 | 18.007 | HH | 39298      | 973765  | 26.31% | 0.458% |
| 367 | 18.030 | 18.007 | 18.062 | HH | 45671      | 1345970 | 36.36% | 0.633% |
| 368 | 18.097 | 18.062 | 18.116 | HH | 58114      | 1585199 | 42.83% | 0.746% |
| 369 | 18.126 | 18.116 | 18.166 | HH | 47566      | 1242902 | 33.58% | 0.585% |
| 370 | 18.182 | 18.166 | 18.201 | HH | 43267      | 882379  | 23.84% | 0.415% |
| 371 | 18.210 | 18.201 | 18.220 | HH | 39369      | 427160  | 11.54% | 0.201% |
| 372 | 18.251 | 18.220 | 18.262 | HH | 41919      | 1016774 | 27.47% | 0.478% |
| 373 | 18.285 | 18.262 | 18.303 | HH | 76002      | 1417885 | 38.31% | 0.667% |
| 374 | 18.310 | 18.303 | 18.348 | HH | 50925      | 1231731 | 33.28% | 0.579% |
| 375 | 18.369 | 18.348 | 18.398 | HH | 43296      | 1211634 | 32.73% | 0.570% |
| 376 | 18.418 | 18.398 | 18.429 | HH | 41120      | 763867  | 20.64% | 0.359% |
| 377 | 18.448 | 18.429 | 18.461 | HH | 43089      | 781415  | 21.11% | 0.368% |
| 378 | 18.486 | 18.461 | 18.500 | HH | 47149      | 1061172 | 28.67% | 0.499% |
| 379 | 18.519 | 18.500 | 18.559 | HH | 56068      | 1590030 | 42.96% | 0.748% |
| 380 | 18.564 | 18.559 | 18.579 | HH | 38091      | 452551  | 12.23% | 0.213% |
| 381 | 18.621 | 18.579 | 18.633 | HH | 46709      | 1346587 | 36.38% | 0.633% |
| 382 | 18.654 | 18.633 | 18.674 | HH | 74100      | 1398837 | 37.79% | 0.658% |
| 383 | 18.683 | 18.674 | 18.704 | HH | 46997      | 800339  | 21.62% | 0.376% |
| 384 | 18.709 | 18.704 | 18.727 | HH | 41953      | 579595  | 15.66% | 0.273% |
| 385 | 18.739 | 18.727 | 18.751 | HH | 41196      | 585789  | 15.83% | 0.276% |
| 386 | 18.756 | 18.751 | 18.759 | HH | 41022      | 190109  | 5.14%  | 0.089% |
| 387 | 18.766 | 18.759 | 18.771 | HH | 41878      | 310081  | 8.38%  | 0.146% |
| 388 | 18.814 | 18.771 | 18.832 | HH | 42598      | 1515072 | 40.93% | 0.713% |
| 389 | 18.845 | 18.832 | 18.866 | HH | 42179      | 840366  | 22.70% | 0.395% |
| 390 | 18.871 | 18.866 | 18.875 | HH | 40779      | 215265  | 5.82%  | 0.101% |
| 391 | 18.879 | 18.875 | 18.890 | HH | 40819      | 379259  | 10.25% | 0.178% |
| 392 | 18.930 | 18.890 | 18.951 | HH | 51419      | 1597282 | 43.15% | 0.751% |
| 393 | 18.963 | 18.951 | 18.979 | HH | 42609      | 724300  | 19.57% | 0.341% |
| 394 | 18.984 | 18.979 | 19.006 | HH | 41193      | 656964  | 17.75% | 0.309% |
| 395 | 19.026 | 19.006 | 19.045 | HH | 42213      | 972085  | 26.26% | 0.457% |
| 396 | 19.077 | 19.045 | 19.100 | HH | 64762      | 1637893 | 44.25% | 0.770% |
| 397 | 19.125 | 19.100 | 19.153 | HH | 60211      | 1593842 | 43.06% | 0.750% |
| 398 | 19.163 | 19.153 | 19.180 | HH | 44142      | 688580  | 18.60% | 0.324% |
| 399 | 19.184 | 19.180 | 19.196 | HH | 43390      | 420604  | 11.36% | 0.198% |
| 400 | 19.212 | 19.196 | 19.240 | HH | 47003      | 1183067 | 31.96% | 0.556% |
| 401 | 19.261 | 19.240 | 19.284 | HH | 45928      | 1167779 | 31.55% | 0.549% |
| 402 | 19.330 | 19.284 | 19.376 | HH | 51672      | 2487845 | 67.21% | 1.170% |
| 403 | 19.408 | 19.376 | 19.436 | HH | 58822      | 1748923 | 47.25% | 0.823% |
| 404 | 19.477 | 19.436 | 19.507 | HH | 55289      | 2042409 | 55.18% | 0.961% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 405 | 19.529 | 19.507 | 19.535 | HH | 44917      | 749434  | 20.25% | 0.352% |
| 406 | 19.590 | 19.535 | 19.605 | HH | 47225      | 1911195 | 51.63% | 0.899% |
| 407 | 19.634 | 19.605 | 19.652 | HH | 46850      | 1302412 | 35.19% | 0.613% |
| 408 | 19.659 | 19.652 | 19.667 | HH | 47068      | 444008  | 12.00% | 0.209% |
| 409 | 19.673 | 19.667 | 19.694 | HH | 47162      | 730127  | 19.73% | 0.343% |
| 410 | 19.718 | 19.694 | 19.736 | HH | 52984      | 1246862 | 33.69% | 0.586% |
| 411 | 19.744 | 19.736 | 19.751 | HH | 48273      | 444685  | 12.01% | 0.209% |
| 412 | 19.756 | 19.751 | 19.764 | HH | 48170      | 373056  | 10.08% | 0.175% |
| 413 | 19.788 | 19.764 | 19.816 | HH | 59325      | 1598110 | 43.18% | 0.752% |
| 414 | 19.828 | 19.816 | 19.834 | HH | 47787      | 520738  | 14.07% | 0.245% |
| 415 | 19.841 | 19.834 | 19.850 | HH | 47325      | 451595  | 12.20% | 0.212% |
| 416 | 19.882 | 19.850 | 19.909 | HH | 55734      | 1796038 | 48.52% | 0.845% |
| 417 | 19.914 | 19.909 | 19.919 | HH | 48669      | 293746  | 7.94%  | 0.138% |
| 418 | 19.931 | 19.919 | 19.946 | HH | 48491      | 754765  | 20.39% | 0.355% |
| 419 | 19.991 | 19.946 | 20.019 | HH | 51858      | 2201223 | 59.47% | 1.035% |
| 420 | 20.029 | 20.019 | 20.068 | HH | 51420      | 1480425 | 40.00% | 0.696% |
| 421 | 20.095 | 20.068 | 20.140 | HH | 56362      | 2250601 | 60.80% | 1.059% |
| 422 | 20.149 | 20.140 | 20.157 | HH | 51742      | 533786  | 14.42% | 0.251% |
| 423 | 20.181 | 20.157 | 20.217 | HH | 59781      | 1944295 | 52.53% | 0.914% |
| 424 | 20.222 | 20.217 | 20.234 | HH | 51246      | 503222  | 13.60% | 0.237% |
| 425 | 20.239 | 20.234 | 20.244 | HH | 51348      | 329561  | 8.90%  | 0.155% |
| 426 | 20.250 | 20.244 | 20.252 | HH | 51437      | 241465  | 6.52%  | 0.114% |
| 427 | 20.296 | 20.252 | 20.324 | HH | 58036      | 2331781 | 63.00% | 1.097% |
| 428 | 20.353 | 20.324 | 20.359 | HH | 53948      | 1102082 | 29.77% | 0.518% |
| 429 | 20.375 | 20.359 | 20.387 | HH | 55140      | 929287  | 25.11% | 0.437% |
| 430 | 20.401 | 20.387 | 20.410 | HH | 54528      | 746511  | 20.17% | 0.351% |
| 431 | 20.438 | 20.410 | 20.446 | HH | 56339      | 1164572 | 31.46% | 0.548% |
| 432 | 20.460 | 20.446 | 20.484 | HH | 58864      | 1302366 | 35.19% | 0.613% |
| 433 | 20.499 | 20.484 | 20.527 | HH | 55246      | 1407644 | 38.03% | 0.662% |
| 434 | 20.573 | 20.527 | 20.611 | HH | 64176      | 2859765 | 77.26% | 1.345% |
| 435 | 20.617 | 20.611 | 20.632 | HH | 53459      | 673474  | 18.19% | 0.317% |
| 436 | 20.661 | 20.632 | 20.666 | HH | 55093      | 1108159 | 29.94% | 0.521% |
| 437 | 20.671 | 20.666 | 20.676 | HH | 54912      | 333536  | 9.01%  | 0.157% |
| 438 | 20.680 | 20.676 | 20.694 | HH | 55101      | 601233  | 16.24% | 0.283% |
| 439 | 20.724 | 20.694 | 20.748 | HH | 61016      | 1826347 | 49.34% | 0.859% |
| 440 | 20.765 | 20.748 | 20.789 | HH | 54778      | 1334379 | 36.05% | 0.628% |
| 441 | 20.794 | 20.789 | 20.798 | HH | 53632      | 304232  | 8.22%  | 0.143% |
| 442 | 20.804 | 20.798 | 20.812 | HH | 53783      | 432981  | 11.70% | 0.204% |
| 443 | 20.819 | 20.812 | 20.824 | HH | 54334      | 403435  | 10.90% | 0.190% |
| 444 | 20.849 | 20.824 | 20.880 | HH | 56802      | 1817647 | 49.11% | 0.855% |
| 445 | 20.887 | 20.880 | 20.902 | HH | 53026      | 702928  | 18.99% | 0.331% |
| 446 | 20.909 | 20.902 | 20.930 | HH | 52642      | 880108  | 23.78% | 0.414% |
| 447 | 20.948 | 20.930 | 20.965 | HH | 53363      | 1104714 | 29.85% | 0.520% |
| 448 | 21.012 | 20.965 | 21.040 | HH | 57448      | 2450606 | 66.21% | 1.153% |
| 449 | 21.045 | 21.040 | 21.081 | HH | 53339      | 1287856 | 34.79% | 0.606% |
| 450 | 21.091 | 21.081 | 21.095 | HH | 52534      | 466159  | 12.59% | 0.219% |
| 451 | 21.114 | 21.095 | 21.175 | HH | 53753      | 2500182 | 67.55% | 1.176% |
| 452 | 21.184 | 21.175 | 21.189 | HH | 51162      | 452302  | 12.22% | 0.213% |
| 453 | 21.195 | 21.189 | 21.202 | HH | 51511      | 384428  | 10.39% | 0.181% |
| 454 | 21.209 | 21.202 | 21.220 | HH | 51501      | 550544  | 14.87% | 0.259% |
| 455 | 21.225 | 21.220 | 21.230 | HH | 51454      | 309741  | 8.37%  | 0.146% |
| 456 | 21.243 | 21.230 | 21.249 | HH | 51786      | 599152  | 16.19% | 0.282% |

| rteres.txt              |        |        |        |    |       |         |           |        |
|-------------------------|--------|--------|--------|----|-------|---------|-----------|--------|
| 457                     | 21.255 | 21.249 | 21.260 | HH | 51892 | 339410  | 9.17%     | 0.160% |
| 458                     | 21.283 | 21.260 | 21.324 | HH | 56058 | 2001909 | 54.08%    | 0.942% |
| 459                     | 21.342 | 21.324 | 21.360 | HH | 50110 | 1056377 | 28.54%    | 0.497% |
| 460                     | 21.368 | 21.360 | 21.386 | HH | 49765 | 774421  | 20.92%    | 0.364% |
|                         |        |        |        |    |       |         |           |        |
| 461                     | 21.389 | 21.386 | 21.395 | HH | 49293 | 271576  | 7.34%     | 0.128% |
| 462                     | 21.401 | 21.395 | 21.430 | HH | 49198 | 1034862 | 27.96%    | 0.487% |
| 463                     | 21.448 | 21.430 | 21.452 | HH | 48649 | 635652  | 17.17%    | 0.299% |
| 464                     | 21.473 | 21.452 | 21.479 | HH | 49453 | 790999  | 21.37%    | 0.372% |
| 465                     | 21.487 | 21.479 | 21.493 | HH | 49812 | 407421  | 11.01%    | 0.192% |
|                         |        |        |        |    |       |         |           |        |
| 466                     | 21.496 | 21.493 | 21.499 | HH | 49426 | 189018  | 5.11%     | 0.089% |
| 467                     | 21.507 | 21.499 | 21.527 | HH | 49543 | 809028  | 21.86%    | 0.381% |
| 468                     | 21.539 | 21.527 | 21.545 | HH | 48615 | 513501  | 13.87%    | 0.242% |
| 469                     | 21.554 | 21.545 | 21.560 | HH | 48258 | 435809  | 11.77%    | 0.205% |
| 470                     | 21.584 | 21.560 | 21.626 | HH | 48805 | 1904156 | 51.44%    | 0.896% |
|                         |        |        |        |    |       |         |           |        |
| 471                     | 21.632 | 21.626 | 21.651 | HH | 48413 | 740338  | 20.00%    | 0.348% |
| 472                     | 21.656 | 21.651 | 21.664 | HH | 47747 | 360798  | 9.75%     | 0.170% |
| 473                     | 21.669 | 21.664 | 21.693 | HH | 47688 | 812659  | 21.96%    | 0.382% |
| 474                     | 21.697 | 21.693 | 21.703 | HH | 46517 | 272122  | 7.35%     | 0.128% |
| 475                     | 21.708 | 21.703 | 21.720 | HH | 46524 | 487739  | 13.18%    | 0.229% |
|                         |        |        |        |    |       |         |           |        |
| 476                     | 21.725 | 21.720 | 21.740 | HH | 46489 | 551030  | 14.89%    | 0.259% |
| 477                     | 21.771 | 21.740 | 21.807 | HH | 50869 | 1942372 | 52.48%    | 0.914% |
| 478                     | 21.813 | 21.807 | 21.847 | HH | 46379 | 1108195 | 29.94%    | 0.521% |
| 479                     | 21.852 | 21.847 | 21.870 | HH | 45718 | 626065  | 16.91%    | 0.294% |
| 480                     | 21.875 | 21.870 | 21.884 | HH | 45691 | 375870  | 10.15%    | 0.177% |
|                         |        |        |        |    |       |         |           |        |
| 481                     | 21.892 | 21.884 | 21.897 | HH | 45758 | 354108  | 9.57%     | 0.167% |
| 482                     | 21.904 | 21.897 | 21.915 | HH | 45904 | 506073  | 13.67%    | 0.238% |
| 483                     | 21.922 | 21.915 | 21.928 | HH | 45349 | 342344  | 9.25%     | 0.161% |
| 484                     | 21.932 | 21.928 | 21.937 | HH | 44921 | 229982  | 6.21%     | 0.108% |
| 485                     | 21.941 | 21.937 | 21.956 | HH | 44982 | 507875  | 13.72%    | 0.239% |
|                         |        |        |        |    |       |         |           |        |
| 486                     | 21.963 | 21.956 | 21.973 | HH | 44467 | 469864  | 12.69%    | 0.221% |
| 487                     | 21.987 | 21.973 | 22.000 | HH | 44720 | 695611  | 18.79%    | 0.327% |
| 488                     | 22.002 | 22.000 | 22.017 | HH | 44434 | 469436  | 12.68%    | 0.221% |
| 489                     | 22.035 | 22.017 | 22.053 | HH | 44647 | 945480  | 25.54%    | 0.445% |
| 490                     | 22.062 | 22.053 | 22.067 | HH | 44073 | 379764  | 10.26%    | 0.179% |
|                         |        |        |        |    |       |         |           |        |
| 491                     | 22.075 | 22.067 | 22.096 | HH | 43870 | 752131  | 20.32%    | 0.354% |
| 492                     | 22.102 | 22.096 | 22.142 | HH | 43667 | 1187308 | 32.08%    | 0.558% |
| 493                     | 22.159 | 22.142 | 22.164 | HH | 43451 | 576294  | 15.57%    | 0.271% |
| 494                     | 22.169 | 22.164 | 22.188 | HH | 43376 | 621722  | 16.80%    | 0.292% |
| 495                     | 22.192 | 22.188 | 22.197 | HH | 43603 | 243978  | 6.59%     | 0.115% |
|                         |        |        |        |    |       |         |           |        |
| 496                     | 22.207 | 22.197 | 22.213 | HH | 43277 | 406559  | 10.98%    | 0.191% |
| 497                     | 22.215 | 22.213 | 22.222 | HH | 43124 | 223744  | 6.04%     | 0.105% |
| 498                     | 22.227 | 22.222 | 22.246 | HH | 43175 | 612468  | 16.55%    | 0.288% |
| 499                     | 22.267 | 22.246 | 22.283 | HH | 43038 | 962764  | 26.01%    | 0.453% |
| 500                     | 22.290 | 22.283 | 22.295 | HH | 42846 | 284922  | 7.70%     | 0.134% |
|                         |        |        |        |    |       |         |           |        |
| 501                     | 22.323 | 22.295 | 22.404 | HH | 47566 | 2887279 | 78.00%    | 1.358% |
| 502                     | 22.410 | 22.404 | 22.413 | HH | 41975 | 231357  | 6.25%     | 0.109% |
| 503                     | 22.420 | 22.413 | 22.427 | HH | 42132 | 331582  | 8.96%     | 0.156% |
| Sum of corrected areas: |        |        |        |    |       |         | 212609797 |        |

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