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## MPEC 2019-U11 : DAILY ORBIT UPDATE (2019 October 17)

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M.P.E.C. 2019-U11

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DAILY ORBIT UPDATE (2019 October 17)

Update to 2019-U01

Full-precision elements for the objects listed here are available at <https://www.minorplanetcenter.net/iau/MPCORB.html>

Erroneous identification:

# K13A02S K15E32R

New multiple-opposition orbits:

| Object  | H    | G    | Epoch | M       | Peri.   | Node    | Incl.  | e       | a       | Opp | C |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|---|
| J98K43C | 15.5 | 0.15 | K194R | 64.307  | 135.343 | 151.432 | 11.105 | 0.06784 | 3.42169 | 11  | V |
| J98SF1D | 16.6 | 0.15 | K194R | 318.317 | 17.716  | 6.147   | 9.579  | 0.26361 | 3.02284 | 5   | X |
| J98W45A | 16.8 | 0.15 | K194R | 274.161 | 354.735 | 95.290  | 11.185 | 0.11888 | 2.64422 | 10  | X |
| J99E14E | 16.5 | 0.15 | K194R | 279.371 | 269.991 | 175.965 | 21.859 | 0.08128 | 2.69370 | 9   | X |
| J99VL2N | 17.0 | 0.15 | K194R | 236.260 | 66.305  | 55.783  | 14.170 | 0.11130 | 2.53617 | 9   | X |
| K00CD8V | 16.4 | 0.15 | K194R | 346.802 | 231.983 | 139.085 | 16.869 | 0.05984 | 3.04373 | 8   | X |
| K00EH6R | 16.4 | 0.15 | K194R | 321.268 | 238.180 | 168.407 | 12.733 | 0.05009 | 3.06359 | 9   | X |
| K00P05Z | 17.6 | 0.15 | K194R | 333.744 | 242.507 | 100.119 | 3.649  | 0.51591 | 2.83259 | 4   | X |
| K01Q34C | 20.1 | 0.15 | K194R | 128.357 | 215.379 | 271.640 | 6.236  | 0.18747 | 1.12833 | 4   | X |
| K01QW7H | 16.5 | 0.15 | K194R | 36.827  | 180.438 | 116.994 | 11.187 | 0.25620 | 2.67932 | 9   | X |
| K01R47F | 18.1 | 0.15 | K194R | 246.379 | 70.483  | 354.944 | 20.035 | 0.12806 | 1.87405 | 5   | X |
| K01R47N | 18.0 | 0.15 | K194R | 293.247 | 6.722   | 4.707   | 20.468 | 0.15618 | 1.87655 | 7   | X |
| K01S38V | 16.9 | 0.15 | K194R | 323.941 | 323.147 | 17.714  | 11.434 | 0.33184 | 2.75208 | 4   | X |
| K01SV3B | 16.6 | 0.15 | K194R | 301.394 | 351.264 | 44.926  | 5.487  | 0.16259 | 2.72604 | 9   | X |
| K01TA3Z | 17.6 | 0.15 | K194R | 331.297 | 24.400  | 332.337 | 3.681  | 0.35154 | 2.73478 | 4   | X |
| K01TG5O | 17.6 | 0.15 | K194R | 344.604 | 328.479 | 355.652 | 11.164 | 0.24756 | 2.35277 | 8   | X |
| K01VD1T | 17.0 | 0.15 | K194R | 6.173   | 227.079 | 104.629 | 14.938 | 0.16753 | 2.74140 | 8   | X |
| K01Y97S | 17.6 | 0.15 | K194R | 322.057 | 298.522 | 85.664  | 10.608 | 0.13128 | 2.36374 | 10  | X |
| K01YE1V | 16.9 | 0.15 | K194R | 0.917   | 285.145 | 100.012 | 6.232  | 0.17611 | 2.70937 | 9   | X |
| K02C71O | 17.2 | 0.15 | K194R | 317.456 | 272.836 | 120.783 | 8.172  | 0.14165 | 2.39637 | 10  | X |
| K02F15Z | 17.4 | 0.15 | K194R | 217.852 | 15.221  | 132.116 | 9.978  | 0.19370 | 2.41932 | 5   | X |
| K02L63U | 17.0 | 0.15 | K194R | 157.031 | 97.379  | 105.447 | 9.867  | 0.02500 | 2.47898 | 8   | X |
| K02L64A | 17.3 | 0.15 | K194R | 356.947 | 202.529 | 115.670 | 7.173  | 0.33282 | 2.57177 | 9   | X |
| K02L64X | 21.2 | 0.15 | K194R | 283.409 | 230.854 | 285.626 | 4.851  | 0.57060 | 1.35719 | 3   | W |
| K02M05X | 16.1 | 0.15 | K194R | 324.517 | 94.950  | 258.412 | 13.758 | 0.18751 | 2.60986 | 7   | X |
| K02N07U | 17.8 | 0.15 | K194R | 315.693 | 41.445  | 309.482 | 7.835  | 0.37383 | 2.26551 | 4   | X |
| K02N55F | 16.0 | 0.15 | K194R | 13.341  | 156.001 | 109.875 | 16.284 | 0.24535 | 3.16703 | 8   | X |
| K02N73A | 17.3 | 0.15 | K194R | 349.487 | 256.926 | 119.794 | 7.023  | 0.31711 | 2.55839 | 6   | X |
| K02N74A | 16.2 | 0.15 | K194R | 358.658 | 202.793 | 153.110 | 14.025 | 0.20323 | 3.09497 | 7   | X |
| K02N82O | 17.3 | 0.15 | K194R | 318.559 | 78.530  | 309.635 | 11.823 | 0.28707 | 2.58731 | 6   | X |
| K02O33P | 16.9 | 0.15 | K194R | 341.155 | 209.786 | 157.171 | 14.472 | 0.18217 | 2.57290 | 6   | X |
| K02O35E | 17.7 | 0.15 | K194R | 358.242 | 181.144 | 159.323 | 11.255 | 0.13023 | 2.57891 | 5   | X |

|         |      |      |       |         |         |         |        |         |         |      |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|------|
| K02P83Z | 17.4 | 0.15 | K194R | 341.944 | 197.521 | 161.634 | 14.809 | 0.26005 | 2.58492 | 5 X  |
| K02P91L | 16.6 | 0.15 | K194R | 303.593 | 115.181 | 266.389 | 13.799 | 0.25403 | 2.61882 | 6 X  |
| K02PE0T | 20.7 | 0.15 | K194R | 333.325 | 117.395 | 218.602 | 6.051  | 0.50010 | 2.62395 | 2 X  |
| K02PF2J | 18.0 | 0.15 | K194R | 354.405 | 348.438 | 317.875 | 8.456  | 0.22676 | 2.25142 | 6 X  |
| K02PG2B | 16.1 | 0.15 | K194R | 18.482  | 216.896 | 120.186 | 9.362  | 0.11707 | 3.08238 | 12 X |
| K02PG7Z | 17.9 | 0.15 | K194R | 50.693  | 134.510 | 140.582 | 7.971  | 0.12454 | 2.22549 | 9 X  |
| K02PI9L | 15.7 | 0.15 | K194R | 25.048  | 10.918  | 280.476 | 7.961  | 0.17809 | 3.13903 | 12 X |
| K02Q09B | 16.6 | 0.15 | K194R | 327.706 | 195.389 | 131.377 | 13.508 | 0.17686 | 2.63665 | 9 X  |
| K02Q11U | 17.4 | 0.15 | K194R | 325.454 | 95.177  | 270.191 | 2.924  | 0.25983 | 2.60270 | 7 X  |
| K02Q47N | 17.2 | 0.15 | K194R | 334.571 | 229.702 | 135.986 | 12.970 | 0.32676 | 2.60788 | 6 X  |
| K02Q95M | 17.1 | 0.15 | K194R | 47.541  | 155.504 | 139.170 | 15.240 | 0.07782 | 2.57092 | 6 X  |
| K02QA1S | 15.9 | 0.15 | K194R | 347.343 | 201.921 | 162.473 | 18.007 | 0.18888 | 3.11399 | 9 X  |
| K02QA6Z | 17.2 | 0.15 | K194R | 319.313 | 213.011 | 154.783 | 4.953  | 0.21927 | 2.60785 | 6 X  |
| K02QB8H | 17.7 | 0.15 | K194R | 52.493  | 154.542 | 132.362 | 9.677  | 0.14363 | 2.56590 | 7 X  |
| K02QD8S | 16.3 | 0.15 | K194R | 27.058  | 191.476 | 141.351 | 11.546 | 0.07220 | 3.06951 | 8 X  |
| K02QE1U | 16.4 | 0.15 | K194R | 17.577  | 151.875 | 182.151 | 17.628 | 0.22088 | 3.11046 | 6 X  |
| K02QE6X | 16.8 | 0.15 | K194R | 148.317 | 73.446  | 137.046 | 15.654 | 0.06685 | 2.54605 | 9 X  |
| K02QF0A | 17.8 | 0.15 | K194R | 348.589 | 44.221  | 274.917 | 5.057  | 0.29264 | 2.61456 | 4 X  |
| K02QF4J | 16.3 | 0.15 | K194R | 336.570 | 60.134  | 300.831 | 8.824  | 0.23375 | 3.15613 | 8 X  |
| K02QF8C | 15.2 | 0.15 | K194R | 12.606  | 249.603 | 136.783 | 3.844  | 0.21652 | 3.97453 | 12 X |
| K02RE7U | 15.5 | 0.15 | K194R | 64.241  | 121.357 | 168.532 | 16.326 | 0.08266 | 3.11772 | 10 X |
| K02RG2V | 17.3 | 0.15 | K194R | 311.419 | 230.335 | 170.225 | 13.958 | 0.14527 | 2.59563 | 5 X  |
| K02RK2J | 15.8 | 0.15 | K194R | 18.534  | 88.276  | 188.319 | 25.305 | 0.27121 | 3.19524 | 8 X  |
| K02RT0C | 16.0 | 0.15 | K194R | 279.797 | 147.396 | 275.631 | 8.409  | 0.07235 | 3.13457 | 9 X  |
| K02S73Z | 17.5 | 0.15 | K194R | 328.318 | 224.224 | 181.931 | 16.700 | 0.22754 | 3.12818 | 3 X  |
| K02T73G | 15.3 | 0.15 | K194R | 302.584 | 141.065 | 255.319 | 9.617  | 0.04856 | 3.20950 | 8 X  |
| K02TC9X | 15.6 | 0.15 | K194R | 9.590   | 173.824 | 227.294 | 10.842 | 0.10631 | 3.05555 | 12 X |
| K02TE2F | 15.9 | 0.15 | K194R | 359.656 | 187.520 | 167.338 | 12.515 | 0.19365 | 3.13500 | 8 X  |
| K02TG3H | 16.2 | 0.15 | K194R | 356.347 | 274.321 | 81.648  | 17.062 | 0.23079 | 3.16618 | 6 X  |
| K02TG7N | 17.3 | 0.15 | K194R | 324.973 | 134.809 | 211.603 | 23.765 | 0.20430 | 2.26258 | 7 X  |
| K02TH0E | 16.4 | 0.15 | K194R | 0.815   | 132.434 | 250.526 | 11.043 | 0.30307 | 3.09692 | 6 X  |
| K02TK6T | 17.2 | 0.15 | K194R | 308.478 | 74.626  | 18.935  | 28.511 | 0.37144 | 2.60118 | 4 X  |
| K02TL5Z | 18.4 | 0.15 | K194R | 323.798 | 211.428 | 153.839 | 9.909  | 0.25390 | 2.25879 | 5 X  |
| K02TL9C | 16.8 | 0.15 | K194R | 287.849 | 205.887 | 218.069 | 13.373 | 0.17499 | 2.61840 | 7 X  |
| K02TV3R | 16.2 | 0.15 | K194R | 223.855 | 36.873  | 117.873 | 10.116 | 0.08378 | 3.15834 | 8 X  |
| K02TV4X | 15.7 | 0.15 | K194R | 40.283  | 205.154 | 117.563 | 11.415 | 0.04820 | 3.16729 | 13 X |
| K02Tb6O | 16.3 | 0.15 | K194R | 306.844 | 4.742   | 70.116  | 16.646 | 0.24395 | 3.16613 | 5 X  |
| K02Tb7F | 16.1 | 0.15 | K194R | 359.574 | 217.387 | 181.809 | 10.649 | 0.25508 | 3.10481 | 10 X |
| K02Tb9H | 18.3 | 0.15 | K194R | 300.072 | 127.814 | 281.353 | 5.515  | 0.33595 | 2.62266 | 4 X  |
| K02U14E | 16.9 | 0.15 | K194R | 296.356 | 353.883 | 69.709  | 15.104 | 0.23107 | 2.63195 | 7 X  |
| K02V99B | 16.7 | 0.15 | K194R | 313.123 | 123.071 | 272.456 | 27.456 | 0.30312 | 2.62874 | 3 X  |
| K02W08M | 16.1 | 0.15 | K194R | 333.290 | 201.831 | 237.221 | 14.342 | 0.20761 | 3.14000 | 7 X  |
| K02XC1J | 17.6 | 0.15 | K194R | 317.391 | 178.264 | 182.862 | 5.768  | 0.32303 | 2.27687 | 8 X  |
| K02Y08B | 16.4 | 0.15 | K194R | 278.092 | 328.683 | 136.135 | 8.807  | 0.28558 | 2.65995 | 7 X  |
| K02Y17Q | 16.7 | 0.15 | K194R | 297.311 | 18.940  | 86.039  | 14.597 | 0.15405 | 2.61471 | 9 X  |
| K03QB5B | 17.8 | 0.15 | K194R | 355.496 | 34.529  | 273.098 | 5.100  | 0.22339 | 2.16030 | 7 X  |
| K03SC1R | 15.6 | 0.15 | K194R | 325.593 | 69.867  | 335.005 | 10.491 | 0.33408 | 3.97146 | 5 X  |
| K03SX4S | 17.0 | 0.15 | K194R | 305.297 | 52.507  | 11.140  | 9.136  | 0.35691 | 3.03291 | 4 X  |
| K03Se0O | 16.1 | 0.15 | K194R | 337.023 | 314.270 | 67.942  | 17.063 | 0.10146 | 3.04426 | 7 X  |
| K03Sf8Z | 16.8 | 0.15 | K194R | 288.821 | 309.560 | 129.987 | 9.811  | 0.09827 | 3.04234 | 6 X  |
| K03T48S | 17.0 | 0.15 | K194R | 19.019  | 346.205 | 307.320 | 6.768  | 0.18649 | 2.54284 | 9 X  |
| K03T51W | 16.8 | 0.15 | K194R | 307.544 | 241.391 | 190.914 | 18.235 | 0.23363 | 3.02397 | 3 X  |
| K03U12W | 16.2 | 0.15 | K194R | 281.165 | 142.345 | 293.251 | 6.552  | 0.19370 | 3.05379 | 9 X  |
| K03U36W | 18.5 | 0.15 | K194R | 326.091 | 17.495  | 321.542 | 7.846  | 0.29026 | 2.17968 | 5 X  |
| K03U52M | 17.1 | 0.15 | K194R | 325.212 | 86.358  | 290.405 | 9.784  | 0.33728 | 3.06313 | 4 X  |
| K03U80E | 16.8 | 0.15 | K194R | 324.734 | 216.767 | 179.419 | 13.960 | 0.37279 | 3.04583 | 5 X  |
| K03Ud6K | 19.0 | 0.15 | K194R | 295.757 | 302.262 | 133.012 | 7.386  | 0.32506 | 2.51790 | 3 X  |
| K03Ud6X | 15.5 | 0.15 | K194R | 129.235 | 110.634 | 115.418 | 12.204 | 0.03918 | 3.07052 | 11 X |
| K03W78P | 16.0 | 0.15 | K194R | 337.415 | 106.069 | 254.586 | 10.560 | 0.07850 | 3.10992 | 9 X  |
| K03WB0A | 15.5 | 0.15 | K194R | 280.423 | 26.789  | 33.176  | 11.539 | 0.07183 | 3.12480 | 11 X |
| K04BD0O | 16.0 | 0.15 | K194R | 332.448 | 262.259 | 128.642 | 10.023 | 0.07725 | 3.17637 | 8 X  |
| K04C47Q | 17.5 | 0.15 | K194R | 267.949 | 313.015 | 165.558 | 10.314 | 0.24594 | 2.57184 | 6 X  |
| K04CB3O | 15.6 | 0.15 | K194R | 275.865 | 135.722 | 301.134 | 13.015 | 0.16881 | 3.21579 | 7 X  |
| K04G89A | 16.4 | 0.15 | K194R | 252.764 | 314.612 | 147.052 | 14.761 | 0.05136 | 2.59655 | 9 X  |
| K04L27N | 16.4 | 0.15 | K194R | 41.812  | 195.879 | 121.498 | 15.222 | 0.03743 | 2.73083 | 8 X  |
| K04N34A | 17.6 | 0.15 | K194R | 349.832 | 291.037 | 19.345  | 6.903  | 0.23020 | 2.40603 | 7 X  |
| K04R85Y | 18.3 | 0.15 | K194R | 336.921 | 193.300 | 169.305 | 13.393 | 0.22506 | 2.38523 | 3 X  |
| K04RE4L | 16.7 | 0.15 | K194R | 335.699 | 134.025 | 228.088 | 12.383 | 0.16244 | 2.91269 | 8 X  |
| K04RW6W | 16.1 | 0.15 | K194R | 346.632 | 23.833  | 319.819 | 11.213 | 0.06317 | 2.92098 | 7 X  |
| K04TR5K | 18.0 | 0.15 | K194R | 312.784 | 109.947 | 264.544 | 0.642  | 0.19576 | 2.43393 | 6 X  |
| K04TU6O | 15.4 | 0.15 | K194R | 201.372 | 240.609 | 246.697 | 9.334  | 0.05967 | 2.96199 | 11 X |
| K04X91H | 15.3 | 0.15 | K194R | 311.671 | 147.651 | 269.303 | 7.659  | 0.18651 | 3.98358 | 6 X  |
| K04XE6A | 17.3 | 0.15 | K194R | 357.718 | 136.456 | 244.376 | 6.308  | 0.14957 | 2.38830 | 7 X  |
| K05EW1T | 16.4 | 0.15 | K194R | 27.343  | 173.193 | 155.301 | 10.156 | 0.03655 | 3.13389 | 7 X  |
| K05F10U | 16.2 | 0.15 | K194R | 308.764 | 282.365 | 146.822 | 9.963  | 0.09641 | 3.05923 | 10 X |
| K05GM9F | 15.8 | 0.15 | K194R | 326.386 | 237.457 | 167.459 | 17.472 | 0.06578 | 3.08150 | 9 X  |
| K05J50J | 18.1 | 0.15 | K194R | 302.493 | 331.949 | 51.195  | 23.034 | 0.03509 | 1.91455 | 4 X  |
| K05J66W | 16.3 | 0.15 | K194R | 38.789  | 176.691 | 116.510 | 13.194 | 0.18405 | 2.64513 | 13 X |
| K05M06F | 16.6 | 0.15 | K194R | 0.004   | 199.533 | 136.550 | 12.564 | 0.18925 | 2.67351 | 10 X |
| K05N20V | 17.8 | 0.15 | K194R | 347.182 | 239.650 | 80.921  | 10.271 | 0.33047 | 2.27963 | 4 X  |
| K05O16W | 17.5 | 0.15 | K194R | 340.646 | 68.156  | 257.460 | 6.834  | 0.12836 | 2.29037 | 9 X  |
| K05O20L | 16.7 | 0.15 | K194R | 353.326 | 207.861 | 137.694 | 10.069 | 0.17263 | 2.74245 | 8 X  |
| K05Q21W | 17.1 | 0.15 | K194R | 331.320 | 226.207 | 154.186 | 15.252 | 0.23103 | 2.74976 | 5 X  |
| K05Q69P | 16.6 | 0.15 | K194R | 339.869 | 224.028 | 141.079 | 14.210 | 0.19675 | 2.75047 | 11 X |
| K05Q73D | 16.7 | 0.15 | K194R | 321.942 | 194.641 | 178.516 | 17.526 | 0.26191 | 2.79134 | 6 X  |
| K05Q94G | 18.4 | 0.15 | K194R | 311.330 | 191.235 | 179.302 | 1.398  | 0.25137 | 2.29529 | 6 X  |
| K05QA6W | 17.6 | 0.15 | K194R | 319.720 | 253.573 | 103.269 | 4.054  | 0.22332 | 2.30048 | 10 X |
| K05QG6X | 16.5 | 0.15 | K194R | 350.563 | 50.337  | 320.854 | 34.110 | 0.26137 | 2.72598 | 4 X  |
| K05R46W | 17.8 | 0.15 | K194R | 318.128 | 287.765 | 120.319 | 8.577  | 0.22666 | 2.77670 | 4 X  |
| K05S20K | 16.8 | 0.15 | K194R | 316.842 | 166.617 | 221.460 | 12.038 | 0.30007 | 2.79212 | 4 X  |
| K05S97M | 17.3 | 0.15 | K194R | 314.452 | 136.118 | 247.491 | 8.216  | 0.29530 | 2.80370 | 5 X  |
| K05SI7L | 18.0 | 0.15 | K194R | 323.757 | 23.948  | 333.931 | 4.548  | 0.27460 | 2.30637 | 5 X  |
| K05SK9N | 16.8 | 0.15 | K194R | 347.802 | 33.692  | 303.269 | 6.693  | 0.22322 | 2.78878 | 7 X  |

|         |      |      |       |         |         |         |        |         |         |      |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|------|
| K05SK9X | 18.5 | 0.15 | K194R | 324.213 | 51.389  | 301.992 | 3.693  | 0.24325 | 2.30470 | 3 X  |
| K05SN1G | 18.0 | 0.15 | K194R | 296.326 | 203.633 | 193.204 | 8.892  | 0.24930 | 2.31003 | 4 X  |
| K05SR3C | 18.1 | 0.15 | K194R | 340.735 | 250.682 | 94.203  | 5.938  | 0.17993 | 2.30260 | 6 X  |
| K05SS3M | 16.2 | 0.15 | K194R | 33.973  | 212.141 | 93.772  | 10.837 | 0.14770 | 2.78618 | 7 X  |
| K05SS4Y | 17.2 | 0.15 | K194R | 330.440 | 225.877 | 155.391 | 12.618 | 0.12419 | 2.79328 | 6 X  |
| K05SS5C | 17.1 | 0.15 | K194R | 292.776 | 335.247 | 99.368  | 10.768 | 0.19688 | 2.79252 | 6 X  |
| K05SS5H | 17.9 | 0.15 | K194R | 32.061  | 201.548 | 87.046  | 11.508 | 0.17959 | 2.30719 | 9 X  |
| K05ST2Z | 18.2 | 0.15 | K194R | 312.117 | 176.069 | 189.912 | 7.689  | 0.18650 | 2.32246 | 6 X  |
| K05T06D | 16.7 | 0.15 | K194R | 349.025 | 162.293 | 229.164 | 13.090 | 0.15006 | 2.73216 | 8 X  |
| K05Un6M | 18.6 | 0.15 | K194R | 315.016 | 302.379 | 76.683  | 8.837  | 0.30467 | 2.31131 | 3 X  |
| K05W00D | 21.9 | 0.15 | K194R | 308.280 | 160.967 | 227.679 | 26.157 | 0.56005 | 2.30736 | 3 X  |
| K05W72R | 18.0 | 0.15 | K194R | 306.839 | 131.257 | 259.232 | 7.151  | 0.25793 | 2.32141 | 4 X  |
| K05WG8C | 18.3 | 0.15 | K194R | 326.811 | 93.283  | 251.116 | 7.971  | 0.26795 | 2.34198 | 4 X  |
| K05X37M | 17.0 | 0.15 | K194R | 320.088 | 303.673 | 91.422  | 16.012 | 0.14373 | 2.86399 | 4 X  |
| K05Y74S | 16.3 | 0.15 | K194R | 268.323 | 141.900 | 286.514 | 9.165  | 0.02570 | 2.92214 | 7 X  |
| K05YE9U | 17.4 | 0.15 | K194R | 320.436 | 305.125 | 97.786  | 13.968 | 0.26813 | 2.84539 | 6 X  |
| K05YJ8U | 18.2 | 0.15 | K194R | 314.715 | 284.095 | 120.731 | 9.308  | 0.27951 | 2.84167 | 3 X  |
| K05YQ1Y | 17.3 | 0.15 | K194R | 79.899  | 152.789 | 101.091 | 8.006  | 0.08065 | 2.37926 | 10 X |
| K06A09U | 15.9 | 0.15 | K194R | 78.118  | 150.371 | 129.615 | 17.506 | 0.07128 | 2.90992 | 8 X  |
| K06A74T | 16.6 | 0.15 | K194R | 264.241 | 204.108 | 297.007 | 23.485 | 0.17721 | 2.32298 | 7 X  |
| K06B38V | 16.6 | 0.15 | K194R | 332.514 | 318.942 | 97.114  | 9.503  | 0.18063 | 2.77308 | 7 X  |
| K06BB7O | 17.0 | 0.15 | K194R | 36.614  | 185.529 | 115.864 | 10.759 | 0.11593 | 2.39532 | 9 X  |
| K06BP8K | 16.9 | 0.15 | K194R | 65.797  | 143.849 | 131.451 | 7.842  | 0.20302 | 2.44013 | 9 X  |
| K06BQ6P | 16.7 | 0.15 | K194R | 278.792 | 309.392 | 136.997 | 9.468  | 0.10862 | 2.89870 | 8 X  |
| K06DG6B | 16.7 | 0.15 | K194R | 306.108 | 265.523 | 156.938 | 11.759 | 0.15314 | 2.94904 | 7 X  |
| K06HB3S | 15.8 | 0.15 | K194R | 20.272  | 242.823 | 84.128  | 17.051 | 0.11672 | 3.17905 | 8 X  |
| K06J21L | 16.2 | 0.15 | K194R | 18.570  | 242.124 | 94.570  | 11.894 | 0.09856 | 3.16035 | 7 X  |
| K06J52N | 15.5 | 0.15 | K194R | 217.879 | 52.884  | 92.148  | 10.991 | 0.06512 | 3.07175 | 11 X |
| K06K95T | 17.6 | 0.15 | K194R | 359.124 | 188.778 | 144.715 | 14.725 | 0.25732 | 2.55686 | 4 X  |
| K06Q06G | 18.0 | 0.15 | K194R | 326.909 | 356.480 | 341.588 | 20.990 | 0.16472 | 1.88419 | 5 X  |
| K06Q18H | 17.4 | 0.15 | K194R | 344.839 | 255.584 | 72.151  | 5.367  | 0.25304 | 2.64198 | 6 X  |
| K06Q37W | 17.5 | 0.15 | K194R | 355.459 | 321.229 | 345.703 | 13.034 | 0.32246 | 2.63968 | 5 X  |
| K06QC1D | 17.9 | 0.15 | K194R | 356.650 | 17.365  | 294.038 | 5.115  | 0.17221 | 2.17862 | 10 X |
| K06QD8V | 16.9 | 0.15 | K194R | 332.880 | 209.393 | 171.755 | 14.609 | 0.11213 | 2.60088 | 6 X  |
| K06R01J | 22.2 | 0.15 | K194R | 347.969 | 110.382 | 93.465  | 1.414  | 0.30053 | 0.95076 | 3 X  |
| K06S01N | 18.5 | 0.15 | K194R | 11.940  | 135.971 | 181.298 | 21.338 | 0.03656 | 1.87061 | 7 X  |
| K06Sa7A | 17.0 | 0.15 | K194R | 343.138 | 285.529 | 72.924  | 12.855 | 0.27359 | 2.64139 | 5 X  |
| K06Sb6W | 17.9 | 0.15 | K194R | 312.850 | 244.111 | 153.158 | 10.640 | 0.09838 | 2.65392 | 5 X  |
| K06TB3L | 18.4 | 0.15 | K194R | 324.148 | 271.597 | 113.922 | 8.560  | 0.33256 | 2.65761 | 3 X  |
| K06TB3Y | 18.0 | 0.15 | K194R | 301.335 | 275.946 | 126.420 | 7.386  | 0.12680 | 2.18916 | 5 X  |
| K06TB6T | 16.7 | 0.15 | K194R | 296.349 | 359.539 | 111.956 | 13.563 | 0.10875 | 2.60172 | 8 X  |
| K06TC9Y | 17.5 | 0.15 | K194R | 314.382 | 269.843 | 139.918 | 11.511 | 0.28421 | 2.65268 | 5 X  |
| K06U00W | 16.9 | 0.15 | K194R | 335.679 | 306.502 | 66.660  | 14.306 | 0.27290 | 2.66645 | 5 X  |
| K06UX0Q | 16.6 | 0.15 | K194R | 124.387 | 86.352  | 143.558 | 10.119 | 0.16380 | 2.64272 | 13 X |
| K06Ua3B | 16.7 | 0.15 | K194R | 328.546 | 333.392 | 83.494  | 17.585 | 0.13797 | 2.62867 | 7 X  |
| K06Ua4Y | 17.8 | 0.15 | K194R | 317.934 | 280.651 | 88.571  | 7.126  | 0.24708 | 2.20162 | 6 X  |
| K06VE1N | 17.6 | 0.15 | K194R | 309.618 | 209.039 | 243.720 | 8.892  | 0.26972 | 2.62815 | 5 X  |
| K06VH1L | 18.2 | 0.15 | K194R | 79.759  | 184.301 | 58.353  | 23.056 | 0.03875 | 1.90133 | 4 X  |
| K06W36X | 18.1 | 0.15 | K194R | 118.107 | 184.270 | 188.875 | 4.578  | 0.19643 | 2.45031 | 3 X  |
| K06WA6W | 16.9 | 0.15 | K194R | 327.160 | 304.462 | 76.043  | 13.665 | 0.17983 | 2.67400 | 4 X  |
| K06WG9D | 17.0 | 0.15 | K194R | 268.495 | 37.596  | 66.622  | 14.239 | 0.21628 | 2.68976 | 6 X  |
| K06WK8Y | 17.0 | 0.15 | K194R | 264.577 | 38.832  | 67.511  | 18.752 | 0.21116 | 2.67454 | 3 X  |
| K06X37O | 17.7 | 0.15 | K194R | 302.365 | 320.185 | 102.717 | 10.573 | 0.18635 | 2.70951 | 4 X  |
| K06X45S | 17.3 | 0.15 | K194R | 317.328 | 111.583 | 261.295 | 22.713 | 0.28519 | 2.20334 | 3 X  |
| K06Y11U | 16.8 | 0.15 | K194R | 356.622 | 283.552 | 97.639  | 12.354 | 0.25140 | 2.66244 | 4 X  |
| K07B06R | 16.3 | 0.15 | K194R | 289.416 | 332.580 | 112.215 | 14.637 | 0.14392 | 2.72652 | 9 X  |
| K07B36M | 16.2 | 0.15 | K194R | 326.828 | 283.553 | 104.405 | 13.065 | 0.12621 | 2.76239 | 8 X  |
| K07B59B | 17.2 | 0.15 | K194R | 250.140 | 20.045  | 100.702 | 9.105  | 0.16127 | 2.74354 | 5 X  |
| K07M18D | 16.1 | 0.15 | K194R | 355.045 | 231.055 | 134.363 | 11.079 | 0.04507 | 3.11231 | 11 X |
| K07Tj4Z | 13.6 | 0.15 | K194R | 284.796 | 127.303 | 305.806 | 9.039  | 0.04960 | 5.12126 | 13 X |
| K07V64T | 17.2 | 0.15 | K194R | 286.728 | 10.131  | 59.876  | 15.379 | 0.16009 | 2.55413 | 5 X  |
| K07VA8F | 16.6 | 0.15 | K194R | 41.937  | 36.463  | 234.063 | 11.557 | 0.17910 | 2.58887 | 9 X  |
| K07VO3C | 17.1 | 0.15 | K194R | 311.356 | 235.218 | 154.497 | 8.656  | 0.27719 | 2.54522 | 7 X  |
| K07W11F | 16.8 | 0.15 | K194R | 302.359 | 180.741 | 213.211 | 15.241 | 0.12824 | 2.56402 | 7 X  |
| K07W17S | 16.6 | 0.15 | K194R | 85.981  | 189.720 | 75.180  | 16.291 | 0.09407 | 2.55061 | 9 X  |
| K07Y07S | 17.7 | 0.15 | K194R | 290.982 | 317.118 | 109.148 | 8.028  | 0.17567 | 2.59157 | 4 X  |
| K07Y24Y | 16.5 | 0.15 | K194R | 135.788 | 142.515 | 75.528  | 15.552 | 0.05838 | 2.58703 | 10 X |
| K07Y66J | 17.6 | 0.15 | K194R | 349.939 | 259.557 | 126.980 | 6.575  | 0.26346 | 2.54658 | 5 X  |
| K08A53Q | 16.5 | 0.15 | K194R | 350.827 | 30.880  | 299.523 | 10.061 | 0.07556 | 2.67462 | 5 X  |
| K08A61W | 17.7 | 0.15 | K194R | 274.039 | 326.828 | 122.917 | 7.849  | 0.15448 | 2.59830 | 6 X  |
| K08CC1V | 17.2 | 0.15 | K194R | 316.617 | 284.246 | 163.521 | 8.078  | 0.11940 | 2.54298 | 9 X  |
| K08CD1L | 18.1 | 0.15 | K194R | 291.349 | 89.026  | 333.210 | 11.801 | 0.25840 | 2.61753 | 3 X  |
| K08CE5Y | 17.7 | 0.15 | K194R | 288.639 | 273.797 | 157.938 | 11.460 | 0.16437 | 2.62961 | 5 X  |
| K08D20W | 16.8 | 0.15 | K194R | 310.298 | 214.042 | 226.221 | 9.597  | 0.20256 | 2.56550 | 10 X |
| K08EB9X | 17.5 | 0.15 | K194R | 277.588 | 290.714 | 173.454 | 13.132 | 0.22594 | 2.61778 | 6 X  |
| K08GA2U | 17.7 | 0.15 | K194R | 348.705 | 253.254 | 80.798  | 7.484  | 0.15893 | 2.26172 | 6 X  |
| K08J41Y | 17.1 | 0.15 | K194R | 227.248 | 78.444  | 73.387  | 14.566 | 0.15725 | 2.72037 | 7 X  |
| K08K11Q | 16.2 | 0.15 | K194R | 298.031 | 347.321 | 121.907 | 22.704 | 0.04012 | 2.62498 | 7 X  |
| K08O10D | 15.4 | 0.15 | K194R | 348.304 | 4.017   | 321.099 | 16.309 | 0.25010 | 3.10937 | 8 X  |
| K08P14M | 17.1 | 0.15 | K194R | 352.635 | 194.779 | 152.259 | 10.369 | 0.27928 | 3.05807 | 4 X  |
| K08P16E | 16.4 | 0.15 | K194R | 333.190 | 48.967  | 313.744 | 10.657 | 0.09301 | 3.02611 | 8 X  |
| K08Q29N | 17.7 | 0.15 | K194R | 322.065 | 216.818 | 141.040 | 5.387  | 0.15454 | 2.36035 | 6 X  |
| K08Q43C | 17.5 | 0.15 | K194R | 355.429 | 141.937 | 229.823 | 21.539 | 0.08473 | 1.91435 | 7 X  |
| K08R30K | 16.7 | 0.15 | K194R | 358.061 | 172.156 | 172.516 | 16.924 | 0.31993 | 3.07056 | 4 X  |
| K08R87B | 17.8 | 0.15 | K194R | 357.513 | 13.204  | 293.433 | 5.220  | 0.25295 | 2.37723 | 5 X  |
| K08R95M | 16.9 | 0.15 | K194R | 323.772 | 205.838 | 171.690 | 12.623 | 0.27008 | 3.08388 | 4 X  |
| K08RD2Z | 18.4 | 0.15 | K194R | 341.390 | 93.377  | 225.215 | 10.190 | 0.30164 | 2.38199 | 5 X  |
| K08RE0Z | 16.2 | 0.15 | K194R | 329.390 | 354.945 | 6.459   | 17.153 | 0.18228 | 3.14454 | 5 X  |
| K08S00E | 19.4 | 0.15 | K194R | 328.302 | 156.331 | 216.167 | 8.628  | 0.48277 | 2.36341 | 3 X  |
| K08T41U | 17.0 | 0.15 | K194R | 342.590 | 117.724 | 226.674 | 15.203 | 0.24756 | 3.14477 | 4 X  |
| K08TI6G | 16.2 | 0.15 | K194R | 13.665  | 259.526 | 55.964  | 25.991 | 0.26456 | 3.16111 | 5 X  |
| K08U02B | 16.0 | 0.15 | K194R | 322.291 | 75.857  | 3.088   | 17.174 | 0.37189 | 3.05704 | 5 X  |
| K08UA7V | 17.0 | 0.15 | K194R | 303.835 | 257.031 | 166.297 | 12.238 | 0.09915 | 3.08509 | 8 X  |

|         |      |      |       |         |         |         |        |         |         |    |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|----|---|
| K08UB1W | 16.1 | 0.15 | K194R | 345.994 | 174.186 | 233.462 | 10.446 | 0.17485 | 3.03784 | 8  | X |
| K08UT7R | 15.8 | 0.15 | K194R | 305.429 | 18.650  | 40.548  | 28.018 | 0.15893 | 3.15293 | 6  | X |
| K08UV6L | 17.3 | 0.15 | K194R | 332.885 | 322.990 | 64.589  | 18.443 | 0.22069 | 3.15544 | 4  | X |
| K08UZ7Q | 16.3 | 0.15 | K194R | 329.311 | 296.997 | 99.682  | 17.253 | 0.22610 | 3.12793 | 5  | X |
| K08Ua2F | 16.7 | 0.15 | K194R | 324.095 | 234.641 | 175.049 | 11.719 | 0.32055 | 3.12385 | 6  | X |
| K08Ua5Z | 15.8 | 0.15 | K194R | 325.232 | 307.975 | 95.146  | 12.172 | 0.25522 | 3.12724 | 10 | X |
| K08V06B | 15.9 | 0.15 | K194R | 318.750 | 92.750  | 292.857 | 7.976  | 0.07787 | 3.16196 | 6  | X |
| K08V14P | 16.6 | 0.15 | K194R | 311.535 | 77.336  | 357.746 | 22.933 | 0.43145 | 3.13742 | 4  | X |
| K08V50M | 16.5 | 0.15 | K194R | 291.605 | 206.089 | 230.888 | 10.788 | 0.31347 | 3.15507 | 5  | X |
| K08W76J | 16.0 | 0.15 | K194R | 79.416  | 194.071 | 74.680  | 17.202 | 0.17157 | 3.20744 | 6  | X |
| K08W85P | 16.1 | 0.15 | K194R | 278.857 | 17.326  | 92.414  | 17.862 | 0.21790 | 3.20846 | 6  | X |
| K08W93C | 16.2 | 0.15 | K194R | 309.965 | 310.025 | 110.336 | 11.777 | 0.18562 | 3.15388 | 7  | X |
| K08WA7A | 16.2 | 0.15 | K194R | 286.646 | 14.499  | 86.598  | 18.522 | 0.18598 | 3.14842 | 3  | X |
| K08YF5X | 18.0 | 0.15 | K194R | 302.214 | 276.234 | 128.317 | 7.086  | 0.10869 | 2.46844 | 7  | X |
| K09BI4C | 16.3 | 0.15 | K194R | 284.207 | 287.483 | 93.651  | 14.138 | 0.06641 | 2.57122 | 11 | X |
| K09D00J | 16.8 | 0.15 | K194R | 340.428 | 294.114 | 87.657  | 11.126 | 0.22166 | 3.15132 | 4  | X |
| K09F02S | 17.2 | 0.15 | K194R | 93.543  | 83.386  | 175.055 | 14.456 | 0.08712 | 2.56020 | 6  | X |
| K09H09F | 17.2 | 0.15 | K194R | 32.875  | 152.983 | 157.529 | 12.426 | 0.19329 | 2.67837 | 8  | X |
| K09K25V | 16.9 | 0.15 | K194R | 24.934  | 237.729 | 86.029  | 15.419 | 0.14173 | 2.69555 | 8  | X |
| K09Q00X | 15.7 | 0.15 | K194R | 321.019 | 55.239  | 312.605 | 11.590 | 0.14986 | 2.88347 | 10 | X |
| K09R02U | 16.0 | 0.15 | K194R | 2.114   | 61.203  | 264.382 | 10.927 | 0.05038 | 2.91606 | 7  | X |
| K09SA1Z | 16.6 | 0.15 | K194R | 317.093 | 66.220  | 322.162 | 9.605  | 0.15974 | 2.89308 | 6  | X |
| K09SM1M | 18.2 | 0.15 | K194R | 41.890  | 135.074 | 137.709 | 6.796  | 0.18493 | 2.19948 | 8  | X |
| K09U03T | 16.1 | 0.15 | K194R | 12.535  | 38.895  | 268.952 | 11.712 | 0.12018 | 2.99538 | 7  | X |
| K09WB5W | 18.8 | 0.15 | K194R | 11.326  | 247.610 | 58.589  | 23.826 | 0.08015 | 1.84572 | 3  | X |
| K09WH1K | 15.3 | 0.15 | K194R | 26.919  | 21.458  | 249.383 | 16.402 | 0.17939 | 3.12529 | 8  | X |
| K09WJ9E | 16.4 | 0.15 | K194R | 4.806   | 259.804 | 89.946  | 12.514 | 0.13726 | 2.96792 | 8  | X |
| K09WP2A | 16.2 | 0.15 | K194R | 287.222 | 143.919 | 277.588 | 7.838  | 0.12491 | 3.04075 | 9  | X |
| K09Y04W | 15.9 | 0.15 | K194R | 342.846 | 274.863 | 96.323  | 10.628 | 0.09101 | 3.12123 | 10 | X |
| K10A12Z | 17.6 | 0.15 | K194R | 303.855 | 81.174  | 305.512 | 6.598  | 0.11698 | 2.30572 | 7  | X |
| K10A52M | 17.2 | 0.15 | K194R | 296.167 | 105.401 | 274.491 | 8.957  | 0.11742 | 2.34097 | 5  | X |
| K10AE3Q | 16.3 | 0.15 | K194R | 262.985 | 338.487 | 143.640 | 10.412 | 0.09326 | 3.07372 | 9  | X |
| K10B01B | 16.0 | 0.15 | K194R | 290.483 | 86.792  | 338.823 | 15.487 | 0.24169 | 3.09387 | 7  | X |
| K10B31R | 16.9 | 0.15 | K194R | 6.741   | 49.801  | 261.300 | 5.673  | 0.22166 | 2.97244 | 5  | X |
| K10BB4N | 16.9 | 0.15 | K194R | 349.576 | 259.133 | 100.805 | 12.975 | 0.14405 | 2.94010 | 6  | X |
| K10C20C | 16.0 | 0.15 | K194R | 308.048 | 283.967 | 138.398 | 11.928 | 0.09296 | 3.18760 | 9  | X |
| K10C24J | 16.2 | 0.15 | K194R | 350.489 | 231.529 | 136.758 | 10.641 | 0.09564 | 3.14289 | 10 | X |
| K10C27B | 16.6 | 0.15 | K194R | 315.799 | 271.894 | 137.311 | 16.858 | 0.09751 | 3.12460 | 6  | X |
| K10C43V | 16.1 | 0.15 | K194R | 137.201 | 78.997  | 151.012 | 13.471 | 0.05636 | 3.23199 | 11 | X |
| K10CI5N | 15.5 | 0.15 | K194R | 281.079 | 13.981  | 128.359 | 15.768 | 0.07302 | 3.02681 | 8  | X |
| K10CO9N | 16.3 | 0.15 | K194R | 264.415 | 342.029 | 125.860 | 10.610 | 0.07193 | 3.10876 | 10 | X |
| K10CP1B | 16.3 | 0.15 | K194R | 235.807 | 57.219  | 88.604  | 14.125 | 0.12011 | 3.11251 | 6  | X |
| K10D05J | 15.9 | 0.15 | K194R | 268.357 | 331.336 | 134.351 | 9.929  | 0.03610 | 3.13200 | 9  | X |
| K10D64C | 15.6 | 0.15 | K194R | 224.171 | 56.746  | 93.850  | 18.416 | 0.06743 | 3.46046 | 6  | X |
| K10FA9M | 16.1 | 0.15 | K194R | 327.764 | 299.391 | 103.232 | 17.629 | 0.06509 | 3.03034 | 6  | X |
| K10H04F | 16.2 | 0.15 | K194R | 10.185  | 184.192 | 168.974 | 18.040 | 0.08103 | 3.11923 | 7  | X |
| K10H47K | 16.6 | 0.15 | K194R | 59.219  | 324.378 | 287.027 | 10.938 | 0.16569 | 2.62711 | 8  | X |
| K10K61X | 16.1 | 0.15 | K194R | 8.328   | 185.295 | 92.900  | 14.285 | 0.16714 | 2.63142 | 13 | X |
| K10M44J | 16.9 | 0.15 | K194R | 0.718   | 27.345  | 297.636 | 4.508  | 0.10391 | 2.71731 | 7  | X |
| K10M87Q | 16.0 | 0.15 | K194R | 271.851 | 30.618  | 84.252  | 14.627 | 0.23945 | 3.16654 | 7  | X |
| K10MA9H | 17.1 | 0.15 | K194R | 317.858 | 121.787 | 249.031 | 8.982  | 0.21742 | 2.75033 | 5  | X |
| K10N71L | 17.7 | 0.15 | K194R | 299.548 | 157.663 | 251.179 | 7.019  | 0.22577 | 2.74413 | 4  | X |
| K10OA2Z | 17.5 | 0.15 | K194R | 308.348 | 29.848  | 5.626   | 8.389  | 0.31754 | 2.76314 | 4  | X |
| K10P10U | 17.7 | 0.15 | K194R | 4.932   | 163.141 | 159.868 | 13.586 | 0.29360 | 2.65047 | 3  | X |
| K10P76U | 16.8 | 0.15 | K194R | 338.244 | 185.068 | 132.544 | 12.044 | 0.32198 | 2.73634 | 8  | X |
| K10R47M | 17.1 | 0.15 | K194R | 354.219 | 164.065 | 186.569 | 17.230 | 0.19186 | 2.68565 | 7  | X |
| K10RA8H | 17.0 | 0.15 | K194R | 294.251 | 194.056 | 216.973 | 7.983  | 0.14911 | 2.71918 | 5  | X |
| K10RB5Z | 16.9 | 0.15 | K194R | 342.725 | 273.647 | 30.288  | 9.392  | 0.29050 | 2.79630 | 7  | X |
| K10RE8F | 17.1 | 0.15 | K194R | 293.455 | 273.051 | 181.933 | 28.402 | 0.49613 | 2.70770 | 4  | X |
| K10TC6J | 17.4 | 0.15 | K194R | 328.052 | 211.420 | 214.610 | 12.134 | 0.27236 | 2.64624 | 5  | X |
| K10U07H | 19.1 | 0.15 | K194R | 326.401 | 0.459   | 9.392   | 15.649 | 0.53591 | 2.71761 | 3  | X |
| K10U16E | 16.8 | 0.15 | K194R | 327.538 | 240.222 | 189.821 | 5.973  | 0.22954 | 2.65159 | 6  | X |
| K10U48Q | 17.5 | 0.15 | K194R | 322.231 | 299.467 | 71.748  | 3.005  | 0.33811 | 2.76268 | 3  | X |
| K10U94R | 16.1 | 0.15 | K194R | 289.648 | 195.472 | 235.454 | 25.786 | 0.21127 | 2.76630 | 7  | X |
| K10V91V | 16.7 | 0.15 | K194R | 286.160 | 13.782  | 63.387  | 16.235 | 0.12208 | 2.78580 | 8  | X |
| K10VG8Q | 16.7 | 0.15 | K194R | 262.066 | 54.707  | 59.780  | 14.977 | 0.21548 | 2.77134 | 7  | X |
| K10VJ9X | 17.1 | 0.15 | K194R | 317.304 | 297.265 | 99.504  | 11.205 | 0.22316 | 2.74909 | 4  | X |
| K10VM7F | 17.6 | 0.15 | K194R | 350.843 | 272.641 | 68.550  | 15.808 | 0.24904 | 2.76726 | 3  | X |
| K10W65M | 17.2 | 0.15 | K194R | 282.599 | 14.957  | 87.705  | 15.348 | 0.23365 | 2.79251 | 4  | X |
| K10X06X | 16.6 | 0.15 | K194R | 8.594   | 213.969 | 120.015 | 10.090 | 0.15060 | 2.78091 | 10 | X |
| K10X11P | 17.1 | 0.15 | K194R | 330.244 | 312.392 | 76.768  | 14.936 | 0.16806 | 2.73901 | 5  | X |
| K10X50D | 16.9 | 0.15 | K194R | 312.532 | 342.918 | 71.223  | 12.357 | 0.24603 | 2.76835 | 5  | X |
| K11A15F | 16.9 | 0.15 | K194R | 281.837 | 354.014 | 106.172 | 9.314  | 0.18308 | 2.80212 | 8  | X |
| K11A17G | 17.4 | 0.15 | K194R | 317.052 | 332.259 | 75.895  | 15.405 | 0.20825 | 2.73916 | 3  | X |
| K11B21Z | 16.8 | 0.15 | K194R | 337.879 | 246.555 | 135.300 | 10.562 | 0.11443 | 2.86424 | 5  | X |
| K11B49L | 16.1 | 0.15 | K194R | 130.854 | 116.795 | 117.959 | 11.408 | 0.06354 | 2.99335 | 6  | X |
| K11B50C | 16.0 | 0.15 | K194R | 350.659 | 250.267 | 110.144 | 9.762  | 0.09730 | 2.99968 | 9  | X |
| K11B70W | 16.2 | 0.15 | K194R | 351.948 | 43.771  | 300.642 | 9.342  | 0.04028 | 3.05960 | 8  | X |
| K11B93S | 16.6 | 0.15 | K194R | 234.450 | 337.690 | 157.527 | 11.627 | 0.02050 | 2.93170 | 10 | X |
| K11BC2E | 17.0 | 0.15 | K194R | 299.598 | 85.866  | 326.604 | 14.030 | 0.24631 | 2.87709 | 4  | X |
| K11BG5U | 16.7 | 0.15 | K194R | 90.253  | 121.390 | 148.784 | 10.371 | 0.01328 | 3.01062 | 9  | X |
| K11C16K | 16.4 | 0.15 | K194R | 295.984 | 341.365 | 142.530 | 13.289 | 0.16268 | 2.76007 | 8  | X |
| K11C91M | 16.0 | 0.15 | K194R | 69.341  | 116.250 | 155.319 | 16.495 | 0.22198 | 3.14844 | 10 | X |
| K11CA1X | 16.5 | 0.15 | K194R | 320.361 | 118.537 | 261.924 | 4.856  | 0.09914 | 3.03648 | 7  | X |
| K11CB4S | 16.7 | 0.15 | K194R | 354.006 | 192.188 | 168.181 | 9.349  | 0.23231 | 2.94724 | 5  | X |
| K11D02N | 16.3 | 0.15 | K194R | 85.639  | 109.010 | 161.924 | 12.786 | 0.05474 | 3.06204 | 10 | X |
| K11E20S | 15.7 | 0.15 | K194R | 39.762  | 219.250 | 99.988  | 14.823 | 0.10299 | 3.09645 | 10 | X |
| K11E49K | 16.1 | 0.15 | K194R | 359.576 | 264.419 | 98.086  | 9.862  | 0.13912 | 3.00114 | 12 | X |
| K11E53O | 15.7 | 0.15 | K194R | 350.667 | 292.399 | 71.261  | 10.368 | 0.07422 | 3.17804 | 8  | X |
| K11E79C | 16.3 | 0.15 | K194R | 250.654 | 82.998  | 84.569  | 15.913 | 0.09360 | 2.83512 | 7  | X |
| K11F26N | 15.8 | 0.15 | K194R | 217.671 | 6.367   | 141.418 | 12.037 | 0.05192 | 3.09957 | 12 | X |
| K11F26Z | 16.1 | 0.15 | K194R | 167.740 | 109.079 | 81.750  | 11.415 | 0.06209 | 3.13956 | 12 | X |
| K11F42F | 15.6 | 0.15 | K194R | 77.905  | 135.532 | 142.044 | 15.461 | 0.21421 | 3.20912 | 8  | X |



|         |      |      |       |         |         |         |        |         |         |      |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|------|
| K11F79S | 15.9 | 0.15 | K194R | 53.926  | 129.538 | 167.108 | 13.953 | 0.07795 | 3.15024 | 9 X  |
| K11F84F | 16.0 | 0.15 | K194R | 283.956 | 3.273   | 82.346  | 13.678 | 0.09984 | 3.11208 | 7 X  |
| K11G41J | 15.6 | 0.15 | K194R | 330.093 | 304.670 | 83.806  | 10.511 | 0.05796 | 3.10285 | 12 X |
| K11G43Y | 16.4 | 0.15 | K194R | 17.509  | 198.836 | 156.195 | 10.282 | 0.01774 | 3.03161 | 10 X |
| K11H21S | 15.8 | 0.15 | K194R | 263.634 | 54.006  | 55.873  | 22.199 | 0.12346 | 3.07857 | 7 X  |
| K11H39D | 15.7 | 0.15 | K194R | 203.397 | 85.422  | 128.576 | 11.086 | 0.04799 | 3.02540 | 11 X |
| K11H40V | 16.2 | 0.15 | K194R | 283.698 | 294.950 | 150.673 | 10.380 | 0.08152 | 3.11352 | 11 X |
| K11H49S | 16.0 | 0.15 | K194R | 126.880 | 144.530 | 89.449  | 10.940 | 0.04942 | 3.20155 | 9 X  |
| K11H51K | 15.9 | 0.15 | K194R | 149.309 | 100.105 | 120.574 | 11.494 | 0.02044 | 3.20940 | 7 X  |
| K11H53M | 16.3 | 0.15 | K194R | 335.381 | 282.458 | 110.082 | 10.353 | 0.12131 | 3.18281 | 7 X  |
| K11H54W | 16.2 | 0.15 | K194R | 270.348 | 8.737   | 95.458  | 11.277 | 0.04586 | 3.15169 | 8 X  |
| K11H79D | 15.7 | 0.15 | K194R | 82.401  | 170.500 | 114.167 | 10.477 | 0.04960 | 3.16379 | 9 X  |
| K11HA2Y | 15.6 | 0.15 | K194R | 104.755 | 133.308 | 121.320 | 12.135 | 0.04801 | 3.13565 | 10 X |
| K11J05D | 16.0 | 0.15 | K194R | 270.808 | 350.957 | 115.424 | 10.352 | 0.05850 | 3.15932 | 8 X  |
| K11J06B | 15.8 | 0.15 | K194R | 195.954 | 105.935 | 82.313  | 16.928 | 0.14684 | 3.08471 | 8 X  |
| K11J08H | 15.7 | 0.15 | K194R | 190.822 | 122.875 | 67.311  | 27.973 | 0.13918 | 3.11467 | 7 X  |
| K11J24F | 16.5 | 0.15 | K194R | 243.758 | 5.145   | 126.962 | 11.392 | 0.09585 | 3.14042 | 3 X  |
| K11L10W | 17.5 | 0.15 | K194R | 262.821 | 139.084 | 253.976 | 18.752 | 0.10037 | 1.92922 | 6 X  |
| K11O11X | 18.0 | 0.15 | K194R | 300.392 | 236.437 | 156.127 | 2.515  | 0.20987 | 2.45796 | 5 X  |
| K11Q23D | 17.3 | 0.15 | K194R | 308.895 | 199.894 | 184.842 | 6.754  | 0.37920 | 2.55479 | 5 X  |
| K11Q37K | 17.3 | 0.15 | K194R | 305.278 | 172.533 | 212.828 | 14.046 | 0.10738 | 2.47995 | 6 X  |
| K11R03Y | 18.0 | 0.15 | K194R | 310.722 | 284.040 | 115.290 | 10.521 | 0.23524 | 2.51485 | 6 X  |
| K11S20T | 17.5 | 0.15 | K194R | 311.343 | 137.166 | 239.030 | 14.354 | 0.15300 | 2.53444 | 9 X  |
| K11S07W | 17.3 | 0.15 | K194R | 310.291 | 329.465 | 29.126  | 14.829 | 0.27865 | 2.59299 | 7 X  |
| K11U09M | 18.0 | 0.15 | K194R | 315.969 | 156.526 | 220.772 | 10.946 | 0.16444 | 2.56633 | 3 X  |
| K11U12B | 16.5 | 0.15 | K194R | 247.490 | 201.729 | 242.033 | 11.680 | 0.07985 | 2.53736 | 9 X  |
| K11U28A | 18.3 | 0.15 | K194R | 320.867 | 64.414  | 305.264 | 3.636  | 0.31954 | 2.54557 | 4 X  |
| K11U36F | 16.4 | 0.15 | K194R | 183.497 | 267.250 | 224.464 | 21.188 | 0.05090 | 2.67095 | 8 X  |
| K11U62R | 17.9 | 0.15 | K194R | 188.206 | 94.232  | 47.857  | 21.741 | 0.07881 | 1.92214 | 7 X  |
| K11UA3M | 16.6 | 0.15 | K194R | 354.137 | 69.870  | 253.967 | 11.141 | 0.21206 | 2.58827 | 8 X  |
| K11UD8H | 17.0 | 0.15 | K194R | 332.758 | 112.588 | 238.462 | 12.521 | 0.17595 | 2.59335 | 7 X  |
| K11UI6G | 18.4 | 0.15 | K194R | 60.771  | 214.223 | 49.245  | 21.113 | 0.02930 | 1.92711 | 5 X  |
| K11UJ3D | 17.2 | 0.15 | K194R | 323.319 | 34.650  | 327.980 | 14.592 | 0.15654 | 2.54704 | 6 X  |
| K11UK4W | 16.4 | 0.15 | K194R | 305.175 | 262.480 | 102.682 | 15.147 | 0.14792 | 2.62405 | 8 X  |
| K11UQ3F | 18.5 | 0.15 | K194R | 95.358  | 176.577 | 54.273  | 22.692 | 0.03808 | 1.94905 | 6 X  |
| K11UR6E | 17.5 | 0.15 | K194R | 310.427 | 125.324 | 260.432 | 7.994  | 0.17387 | 2.57241 | 6 X  |
| K11UX2Q | 16.7 | 0.15 | K194R | 54.172  | 197.669 | 83.584  | 12.015 | 0.11939 | 2.52839 | 8 X  |
| K11Ud4M | 16.5 | 0.15 | K194R | 306.283 | 4.366   | 90.015  | 7.461  | 0.29012 | 2.58021 | 10 X |
| K11V19X | 17.4 | 0.15 | K194R | 301.866 | 72.769  | 318.756 | 11.968 | 0.15538 | 2.58670 | 5 X  |
| K11W30S | 17.8 | 0.15 | K194R | 68.655  | 201.388 | 60.716  | 22.993 | 0.05440 | 1.93094 | 4 X  |
| K11W36G | 18.8 | 0.15 | K194R | 353.973 | 277.826 | 52.204  | 23.131 | 0.06221 | 1.92586 | 5 X  |
| K11W39H | 17.3 | 0.15 | K194R | 322.019 | 177.128 | 195.430 | 11.827 | 0.29471 | 2.56045 | 4 X  |
| K11W55Y | 17.1 | 0.15 | K194R | 359.304 | 85.533  | 230.817 | 13.418 | 0.14632 | 2.60796 | 9 X  |
| K11W64H | 16.1 | 0.15 | K194R | 325.672 | 119.386 | 255.383 | 16.729 | 0.14705 | 2.58423 | 8 X  |
| K11WA7H | 18.4 | 0.15 | K194R | 345.355 | 282.637 | 71.666  | 18.108 | 0.19554 | 2.55498 | 3 X  |
| K11WE8B | 17.0 | 0.15 | K194R | 345.959 | 271.211 | 79.133  | 8.698  | 0.16190 | 2.58258 | 8 X  |
| K11WF3A | 17.1 | 0.15 | K194R | 358.745 | 216.654 | 128.487 | 12.183 | 0.15658 | 2.54617 | 6 X  |
| K11WF8E | 17.1 | 0.15 | K194R | 280.148 | 335.373 | 108.296 | 10.732 | 0.12085 | 2.64468 | 6 X  |
| K11Y72E | 17.6 | 0.15 | K194R | 254.886 | 349.996 | 125.127 | 9.116  | 0.18094 | 2.62895 | 5 X  |
| K12A05R | 17.4 | 0.15 | K194R | 312.670 | 290.612 | 119.198 | 12.334 | 0.18639 | 2.59747 | 7 X  |
| K12A16X | 18.5 | 0.15 | K194R | 292.233 | 342.724 | 96.614  | 10.880 | 0.34357 | 2.56733 | 4 X  |
| K12A25M | 17.7 | 0.15 | K194R | 246.284 | 350.360 | 129.163 | 13.621 | 0.10538 | 2.65559 | 6 X  |
| K12B07J | 17.5 | 0.15 | K194R | 299.576 | 96.617  | 304.799 | 8.544  | 0.17279 | 2.66661 | 3 X  |
| K12B12G | 18.0 | 0.15 | K194R | 285.773 | 342.673 | 102.191 | 9.427  | 0.15943 | 2.60720 | 3 X  |
| K12B54P | 17.8 | 0.15 | K194R | 266.557 | 336.742 | 133.239 | 13.594 | 0.23925 | 2.64637 | 3 X  |
| K12B63C | 16.3 | 0.15 | K194R | 29.491  | 6.568   | 286.963 | 12.388 | 0.05948 | 2.79093 | 7 X  |
| K12BF8S | 16.8 | 0.15 | K194R | 243.782 | 22.065  | 107.763 | 14.285 | 0.17514 | 2.69259 | 5 X  |
| K12C52J | 17.3 | 0.15 | K194R | 258.593 | 323.318 | 149.973 | 13.862 | 0.11850 | 2.67267 | 5 X  |
| K12C53K | 17.6 | 0.15 | K194R | 304.911 | 311.794 | 108.418 | 8.615  | 0.08624 | 2.68408 | 7 X  |
| K12D22G | 15.2 | 0.15 | K194R | 2.329   | 255.361 | 36.783  | 12.891 | 0.16766 | 3.12136 | 9 X  |
| K12D70K | 16.3 | 0.15 | K194R | 35.778  | 3.116   | 269.914 | 7.540  | 0.18963 | 3.01563 | 8 X  |
| K12E07J | 17.2 | 0.15 | K194R | 270.664 | 30.554  | 77.919  | 15.062 | 0.22803 | 2.67559 | 6 X  |
| K12F80Y | 16.2 | 0.15 | K194R | 303.130 | 18.059  | 79.186  | 22.547 | 0.08652 | 2.65505 | 6 X  |
| K12H10O | 16.7 | 0.15 | K194R | 41.309  | 177.012 | 123.378 | 14.571 | 0.17441 | 3.01719 | 6 X  |
| K12H17F | 15.6 | 0.15 | K194R | 27.548  | 201.455 | 120.222 | 9.398  | 0.08389 | 3.04889 | 9 X  |
| K12H48W | 15.6 | 0.15 | K194R | 49.181  | 185.081 | 115.274 | 12.307 | 0.09555 | 3.06991 | 9 X  |
| K12H85Q | 16.5 | 0.15 | K194R | 37.409  | 183.963 | 142.712 | 12.951 | 0.06226 | 2.98091 | 10 X |
| K12J60E | 15.7 | 0.15 | K194R | 1.375   | 270.102 | 80.446  | 16.426 | 0.14724 | 3.10504 | 8 X  |
| K12J67V | 16.1 | 0.15 | K194R | 1.710   | 277.368 | 66.335  | 16.745 | 0.22572 | 3.20981 | 7 X  |
| K12K12A | 16.2 | 0.15 | K194R | 208.750 | 10.310  | 157.645 | 18.845 | 0.18723 | 2.88288 | 7 X  |
| K12K16U | 16.2 | 0.15 | K194R | 82.869  | 177.150 | 96.586  | 11.408 | 0.04789 | 3.04362 | 7 X  |
| K12K18V | 16.0 | 0.15 | K194R | 338.460 | 185.706 | 190.787 | 25.419 | 0.14543 | 3.12596 | 5 X  |
| K12K50E | 15.5 | 0.15 | K194R | 344.698 | 263.387 | 116.630 | 11.804 | 0.06476 | 3.03808 | 12 X |
| K12L06A | 16.1 | 0.15 | K194R | 87.466  | 163.736 | 106.468 | 12.753 | 0.05030 | 3.04785 | 7 X  |
| K12L07R | 15.7 | 0.15 | K194R | 67.817  | 164.411 | 119.124 | 18.709 | 0.18793 | 3.14621 | 8 X  |
| K12L12M | 15.9 | 0.15 | K194R | 40.416  | 189.105 | 113.039 | 12.243 | 0.19612 | 3.17565 | 9 X  |
| K12L23F | 16.4 | 0.15 | K194R | 125.414 | 144.143 | 94.330  | 13.524 | 0.08769 | 3.00330 | 7 X  |
| K12P10H | 18.0 | 0.15 | K194R | 354.660 | 194.747 | 127.692 | 7.254  | 0.26143 | 2.24753 | 5 X  |
| K12Q44X | 17.6 | 0.15 | K194R | 358.299 | 359.169 | 312.872 | 5.708  | 0.17887 | 2.26397 | 9 X  |
| K12R17R | 17.2 | 0.15 | K194R | 296.961 | 276.135 | 129.380 | 7.002  | 0.16759 | 2.27636 | 12 X |
| K12R27A | 18.0 | 0.15 | K194R | 318.080 | 26.917  | 340.324 | 6.432  | 0.16061 | 2.28355 | 7 X  |
| K12S06S | 18.1 | 0.15 | K194R | 339.461 | 359.661 | 341.546 | 7.675  | 0.14699 | 2.28286 | 7 X  |
| K12S28Y | 17.2 | 0.15 | K194R | 14.320  | 12.619  | 270.168 | 4.747  | 0.15613 | 2.30905 | 8 X  |
| K12TD9P | 20.3 | 0.15 | K194R | 298.809 | 3.288   | 271.828 | 2.342  | 0.46479 | 1.46760 | 5 X  |
| K12TW2F | 16.7 | 0.15 | K194R | 357.115 | 31.713  | 268.383 | 22.954 | 0.24941 | 2.32084 | 7 X  |
| K12U02O | 17.4 | 0.15 | K194R | 282.203 | 223.431 | 181.112 | 6.780  | 0.10331 | 2.33331 | 9 X  |
| K12U88S | 18.1 | 0.15 | K194R | 327.523 | 303.127 | 44.618  | 2.035  | 0.19779 | 2.35931 | 3 X  |
| K12V34M | 17.2 | 0.15 | K194R | 298.225 | 120.613 | 275.839 | 19.172 | 0.25564 | 2.32421 | 6 X  |
| K12V67X | 17.8 | 0.15 | K194R | 291.742 | 350.375 | 49.058  | 4.350  | 0.20502 | 2.34484 | 3 X  |
| K12V76C | 16.7 | 0.15 | K194R | 45.530  | 202.597 | 79.399  | 14.040 | 0.22730 | 2.36995 | 9 X  |
| K12V80F | 18.5 | 0.15 | K194R | 328.770 | 184.418 | 195.347 | 7.591  | 0.42721 | 2.23384 | 4 X  |
| K12W03X | 17.5 | 0.15 | K194R | 331.231 | 163.163 | 241.107 | 25.456 | 0.23662 | 2.26573 | 3 X  |
| K12W23B | 17.2 | 0.15 | K194R | 90.542  | 320.318 | 267.418 | 6.528  | 0.07673 | 2.42754 | 7 X  |

|         |      |      |       |         |         |         |        |         |         |      |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|------|
| K12X65M | 18.1 | 0.15 | K194R | 338.261 | 207.940 | 140.194 | 6.217  | 0.20786 | 2.35748 | 6 X  |
| K13A40Z | 16.5 | 0.15 | K194R | 40.093  | 343.974 | 291.350 | 8.365  | 0.10200 | 2.59094 | 9 X  |
| K13A97H | 17.6 | 0.15 | K194R | 283.679 | 213.060 | 201.489 | 0.950  | 0.17569 | 2.44054 | 10 X |
| K13B72W | 16.7 | 0.15 | K194R | 42.734  | 338.584 | 288.448 | 12.478 | 0.13174 | 2.64055 | 7 X  |
| K13C79N | 17.3 | 0.15 | K194R | 173.465 | 41.136  | 142.945 | 14.913 | 0.06467 | 2.48111 | 6 X  |
| K13CB5X | 17.1 | 0.15 | K194R | 227.470 | 57.956  | 83.229  | 15.147 | 0.11234 | 2.42360 | 8 X  |
| K13CD2A | 16.4 | 0.15 | K194R | 340.282 | 156.940 | 191.846 | 4.697  | 0.20342 | 2.57424 | 13 X |
| K13CJ1E | 16.5 | 0.15 | K194R | 142.074 | 241.593 | 305.295 | 13.052 | 0.03949 | 2.60324 | 7 X  |
| K13E18U | 16.9 | 0.15 | K194R | 319.726 | 33.513  | 340.493 | 11.931 | 0.24332 | 2.56338 | 7 X  |
| K13E46E | 16.9 | 0.15 | K194R | 342.459 | 190.617 | 175.223 | 17.692 | 0.14498 | 2.55100 | 8 X  |
| K13F11V | 16.8 | 0.15 | K194R | 52.212  | 139.260 | 156.940 | 14.198 | 0.11574 | 2.63852 | 6 X  |
| K13G45O | 16.8 | 0.15 | K194R | 99.522  | 99.703  | 151.855 | 11.750 | 0.15429 | 2.67831 | 11 X |
| K13H08G | 17.8 | 0.15 | K194R | 267.540 | 291.225 | 193.261 | 21.006 | 0.34581 | 2.38495 | 6 X  |
| K13H12J | 16.3 | 0.15 | K194R | 353.351 | 252.687 | 104.604 | 15.851 | 0.18415 | 2.76379 | 10 X |
| K13H26W | 16.0 | 0.15 | K194R | 317.845 | 196.738 | 227.189 | 16.250 | 0.15008 | 2.52244 | 9 X  |
| K13H33B | 17.5 | 0.15 | K194R | 304.136 | 130.341 | 263.222 | 5.126  | 0.14602 | 2.66915 | 6 X  |
| K13H91X | 16.6 | 0.15 | K194R | 294.440 | 204.089 | 203.164 | 32.954 | 0.19664 | 2.62201 | 7 X  |
| K13J01V | 18.2 | 0.15 | K194R | 3.805   | 130.410 | 194.556 | 22.177 | 0.03159 | 1.88741 | 4 X  |
| K13J02Z | 17.9 | 0.15 | K194R | 2.130   | 215.485 | 87.967  | 23.864 | 0.08439 | 1.92870 | 8 X  |
| K13J17F | 18.6 | 0.15 | K194R | 248.742 | 31.040  | 54.091  | 21.927 | 0.06347 | 1.88028 | 5 X  |
| K13J48Y | 16.2 | 0.15 | K194R | 33.189  | 49.686  | 230.622 | 12.432 | 0.14239 | 2.91615 | 9 X  |
| K13J66R | 17.2 | 0.15 | K194R | 2.324   | 281.782 | 57.794  | 18.195 | 0.16526 | 2.84422 | 5 X  |
| K13L11Q | 16.5 | 0.15 | K194R | 144.314 | 56.838  | 152.302 | 13.514 | 0.06836 | 2.73380 | 11 X |
| K13O11W | 16.8 | 0.15 | K194R | 29.652  | 140.327 | 162.984 | 14.664 | 0.24092 | 3.11318 | 4 X  |
| K13P11J | 16.1 | 0.15 | K194R | 21.401  | 165.052 | 154.558 | 17.665 | 0.17848 | 3.13585 | 4 X  |
| K13P18Y | 16.5 | 0.15 | K194R | 343.268 | 237.204 | 139.378 | 12.383 | 0.07821 | 3.01728 | 6 X  |
| K13P22M | 16.0 | 0.15 | K194R | 69.860  | 312.988 | 305.684 | 14.820 | 0.06553 | 3.16314 | 6 X  |
| K13P29H | 16.5 | 0.15 | K194R | 333.058 | 35.895  | 330.197 | 13.597 | 0.26258 | 3.21788 | 3 X  |
| K13P35K | 15.4 | 0.15 | K194R | 310.704 | 271.462 | 149.347 | 9.995  | 0.03929 | 2.99084 | 11 X |
| K13P73N | 16.2 | 0.15 | K194R | 28.563  | 134.748 | 177.476 | 21.997 | 0.22834 | 3.13386 | 6 X  |
| K13Q65B | 15.9 | 0.15 | K194R | 355.841 | 222.119 | 142.043 | 12.599 | 0.12407 | 3.10646 | 12 X |
| K13Q69U | 15.8 | 0.15 | K194R | 343.754 | 246.581 | 125.729 | 12.053 | 0.28154 | 3.16010 | 7 X  |
| K13Q70N | 15.7 | 0.15 | K194R | 14.147  | 180.432 | 172.353 | 17.934 | 0.08849 | 3.11929 | 14 X |
| K13Q76T | 16.7 | 0.15 | K194R | 22.867  | 167.506 | 173.621 | 10.223 | 0.09754 | 3.02000 | 9 X  |
| K13R21Q | 16.1 | 0.15 | K194R | 347.338 | 185.175 | 195.766 | 27.769 | 0.14737 | 3.16705 | 7 X  |
| K13R71H | 16.2 | 0.15 | K194R | 348.408 | 187.412 | 174.364 | 20.290 | 0.20621 | 3.22111 | 5 X  |
| K13S22N | 15.7 | 0.15 | K194R | 357.560 | 146.227 | 251.544 | 16.928 | 0.20172 | 3.09253 | 9 X  |
| K13S28R | 16.7 | 0.15 | K194R | 354.197 | 163.109 | 238.845 | 16.145 | 0.24980 | 3.12192 | 4 X  |
| K13SA1S | 17.5 | 0.15 | K194R | 295.652 | 280.618 | 179.956 | 14.598 | 0.30726 | 3.13199 | 3 X  |
| K13T01M | 17.2 | 0.15 | K194R | 353.433 | 183.878 | 179.201 | 12.450 | 0.24160 | 3.18305 | 3 X  |
| K13V31T | 16.0 | 0.15 | K194R | 280.287 | 265.279 | 244.569 | 24.431 | 0.25596 | 3.17902 | 5 X  |
| K13W06L | 15.7 | 0.15 | K194R | 235.080 | 34.281  | 157.441 | 10.350 | 0.05075 | 3.09074 | 10 X |
| K13W13D | 17.6 | 0.15 | K194R | 336.112 | 213.630 | 91.578  | 6.671  | 0.16649 | 2.21542 | 9 X  |
| K13W39X | 18.0 | 0.15 | K194R | 2.643   | 27.639  | 278.894 | 5.952  | 0.10095 | 2.16741 | 10 X |
| K13W68K | 16.2 | 0.15 | K194R | 300.692 | 232.475 | 255.953 | 14.249 | 0.24594 | 3.11345 | 6 X  |
| K13WB0T | 15.1 | 0.15 | K194R | 2.247   | 279.182 | 83.798  | 16.295 | 0.09501 | 3.42312 | 9 X  |
| K13Y63B | 17.4 | 0.15 | K194R | 237.048 | 177.219 | 283.148 | 4.848  | 0.08213 | 2.20580 | 8 X  |
| K13YA4C | 15.6 | 0.15 | K194R | 276.892 | 283.988 | 237.521 | 16.018 | 0.17013 | 3.07702 | 9 X  |
| K14B13G | 17.5 | 0.15 | K194R | 342.984 | 224.353 | 119.610 | 7.815  | 0.15670 | 2.24359 | 10 X |
| K14B55E | 17.0 | 0.15 | K194R | 40.057  | 311.447 | 313.231 | 9.928  | 0.14093 | 2.35531 | 8 X  |
| K14DD5B | 17.5 | 0.15 | K194R | 338.507 | 214.789 | 139.917 | 7.589  | 0.14147 | 2.31867 | 8 X  |
| K14DE8T | 17.4 | 0.15 | K194R | 65.675  | 165.685 | 117.618 | 8.471  | 0.05349 | 2.41689 | 6 X  |
| K14E29E | 18.0 | 0.15 | K194R | 214.760 | 350.774 | 145.892 | 8.786  | 0.05271 | 2.24584 | 7 X  |
| K14E35N | 17.7 | 0.15 | K194R | 35.264  | 184.827 | 104.759 | 6.771  | 0.14659 | 2.41238 | 8 X  |
| K14HG3W | 16.5 | 0.15 | K194R | 331.870 | 285.602 | 39.269  | 16.815 | 0.24829 | 2.65933 | 9 X  |
| K14J49T | 17.1 | 0.15 | K194R | 339.342 | 150.553 | 185.183 | 15.467 | 0.28957 | 2.70041 | 5 X  |
| K14KA0S | 17.2 | 0.15 | K194R | 140.631 | 80.983  | 132.066 | 9.712  | 0.07442 | 2.41774 | 5 X  |
| K14L12G | 17.2 | 0.15 | K194R | 358.552 | 54.225  | 258.718 | 10.067 | 0.22469 | 2.68991 | 5 X  |
| K14M09W | 17.2 | 0.15 | K194R | 343.671 | 113.989 | 227.775 | 13.483 | 0.12975 | 2.61804 | 5 X  |
| K14M18J | 16.8 | 0.15 | K194R | 333.521 | 72.821  | 278.363 | 22.288 | 0.36234 | 2.67266 | 5 X  |
| K14M22Y | 16.5 | 0.15 | K194R | 59.325  | 167.922 | 106.397 | 13.507 | 0.20568 | 2.57111 | 11 X |
| K14M47X | 17.5 | 0.15 | K194R | 24.997  | 168.180 | 136.347 | 11.148 | 0.18576 | 2.60164 | 7 X  |
| K14M53Q | 17.2 | 0.15 | K194R | 14.887  | 167.039 | 147.391 | 10.322 | 0.19562 | 2.71155 | 3 X  |
| K14M70X | 17.0 | 0.15 | K194R | 4.439   | 179.224 | 150.046 | 8.850  | 0.22049 | 2.79198 | 4 X  |
| K14N17B | 16.9 | 0.15 | K194R | 12.811  | 203.594 | 117.823 | 9.807  | 0.19441 | 2.58873 | 9 X  |
| K14N40W | 16.5 | 0.15 | K194R | 334.993 | 93.867  | 243.872 | 13.670 | 0.16744 | 2.87037 | 8 X  |
| K14N51L | 16.5 | 0.15 | K194R | 339.411 | 28.847  | 321.408 | 13.024 | 0.08974 | 2.78378 | 4 X  |
| K14N54T | 16.3 | 0.15 | K194R | 352.730 | 252.757 | 100.716 | 15.111 | 0.10168 | 2.70777 | 11 X |
| K14N64U | 21.6 | 0.15 | K194R | 296.675 | 359.719 | 5.518   | 6.129  | 0.38005 | 1.83833 | 2 X  |
| K14N73H | 16.5 | 0.15 | K194R | 284.745 | 346.538 | 93.132  | 14.033 | 0.14484 | 2.67642 | 9 X  |
| K14O43L | 17.6 | 0.15 | K194R | 338.199 | 248.069 | 120.438 | 9.067  | 0.28449 | 2.73431 | 5 X  |
| K14O92B | 17.2 | 0.15 | K194R | 274.034 | 288.665 | 151.862 | 13.366 | 0.04347 | 2.60535 | 6 X  |
| K14OD2L | 17.2 | 0.15 | K194R | 40.243  | 195.486 | 117.702 | 14.798 | 0.04499 | 2.58683 | 4 X  |
| K14OF7B | 16.1 | 0.15 | K194R | 61.508  | 192.593 | 90.219  | 11.849 | 0.10924 | 2.60249 | 12 X |
| K14OG9L | 17.1 | 0.15 | K194R | 315.535 | 310.961 | 92.669  | 13.727 | 0.17726 | 2.67042 | 7 X  |
| K14OJ8R | 15.8 | 0.15 | K194R | 332.654 | 82.837  | 284.814 | 8.841  | 0.10020 | 3.05060 | 10 X |
| K14OQ3E | 16.9 | 0.15 | K194R | 273.691 | 97.745  | 333.697 | 13.164 | 0.17120 | 2.73954 | 6 X  |
| K14OR1F | 16.8 | 0.15 | K194R | 47.157  | 192.022 | 94.027  | 15.220 | 0.23075 | 2.67546 | 6 X  |
| K14OS6Y | 17.4 | 0.15 | K194R | 341.799 | 275.508 | 96.193  | 9.314  | 0.22350 | 2.75157 | 5 X  |
| K14OS7H | 17.2 | 0.15 | K194R | 1.138   | 237.288 | 91.506  | 9.753  | 0.29732 | 2.79701 | 5 X  |
| K14Oe0L | 17.6 | 0.15 | K194R | 310.527 | 264.997 | 141.340 | 9.865  | 0.13792 | 2.75023 | 5 X  |
| K14P01O | 17.5 | 0.15 | K194R | 36.787  | 171.548 | 131.200 | 14.306 | 0.15746 | 2.67323 | 5 X  |
| K14P48U | 16.5 | 0.15 | K194R | 9.947   | 184.305 | 140.623 | 14.755 | 0.18714 | 2.78202 | 7 X  |
| K14P60T | 16.2 | 0.15 | K194R | 344.052 | 164.421 | 213.991 | 8.004  | 0.26376 | 2.54111 | 8 X  |
| K14P66U | 17.8 | 0.15 | K194R | 349.296 | 197.315 | 148.276 | 10.468 | 0.29067 | 2.79947 | 2 X  |
| K14P67E | 16.4 | 0.15 | K194R | 321.508 | 352.294 | 74.856  | 23.023 | 0.08173 | 2.62080 | 7 X  |
| K14P68F | 18.2 | 0.15 | K194R | 326.982 | 14.108  | 342.043 | 22.561 | 0.58532 | 2.86086 | 2 X  |
| K14P73V | 17.5 | 0.15 | K194R | 352.451 | 209.638 | 151.062 | 14.228 | 0.14511 | 2.69512 | 5 X  |
| K14Q51Y | 17.1 | 0.15 | K194R | 345.006 | 218.729 | 143.484 | 15.041 | 0.20197 | 2.71574 | 3 X  |
| K14QG3J | 16.9 | 0.15 | K194R | 325.528 | 302.472 | 90.782  | 12.568 | 0.19629 | 2.68423 | 7 X  |
| K14QH9W | 16.8 | 0.15 | K194R | 34.931  | 147.586 | 166.888 | 14.860 | 0.13596 | 2.67879 | 6 X  |
| K14QN2G | 17.7 | 0.15 | K194R | 308.195 | 265.356 | 161.155 | 8.787  | 0.29343 | 2.79327 | 4 X  |
| K14QP5D | 17.3 | 0.15 | K194R | 331.882 | 304.057 | 120.447 | 10.248 | 0.26992 | 2.70967 | 6 X  |

|         |      |      |       |         |         |         |        |         |         |      |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|------|
| K14QR7V | 17.5 | 0.15 | K194R | 344.751 | 216.034 | 138.147 | 8.925  | 0.23411 | 2.77533 | 3 X  |
| K14QS0M | 16.8 | 0.15 | K194R | 0.619   | 3.757   | 320.560 | 8.924  | 0.18647 | 2.78358 | 8 X  |
| K14QU9E | 17.4 | 0.15 | K194R | 351.851 | 79.663  | 239.292 | 8.463  | 0.33345 | 2.90025 | 4 X  |
| K14QX8Q | 17.3 | 0.15 | K194R | 2.171   | 192.393 | 147.211 | 12.611 | 0.15228 | 2.72353 | 6 X  |
| K14QY4V | 17.3 | 0.15 | K194R | 339.535 | 209.647 | 153.915 | 10.393 | 0.22256 | 2.77145 | 7 X  |
| K14Qg2O | 17.6 | 0.15 | K194R | 339.380 | 222.827 | 149.279 | 8.595  | 0.23457 | 2.78203 | 5 X  |
| K14Qj4Q | 17.0 | 0.15 | K194R | 339.789 | 217.317 | 148.914 | 11.848 | 0.21533 | 2.93264 | 7 X  |
| K14Qk1Z | 16.1 | 0.15 | K194R | 310.726 | 282.516 | 79.179  | 9.993  | 0.21169 | 3.10942 | 7 X  |
| K14Qk5P | 16.6 | 0.15 | K194R | 12.446  | 222.992 | 111.614 | 12.622 | 0.11200 | 2.88874 | 5 X  |
| K14Ql0W | 16.7 | 0.15 | K194R | 268.740 | 198.540 | 249.633 | 7.322  | 0.19326 | 2.89676 | 7 X  |
| K14Qm1C | 17.4 | 0.15 | K194R | 278.573 | 282.411 | 157.931 | 11.974 | 0.07272 | 2.74197 | 8 X  |
| K14Qm3R | 16.7 | 0.15 | K194R | 33.846  | 143.459 | 160.833 | 12.927 | 0.12440 | 2.79362 | 7 X  |
| K14R06Z | 17.2 | 0.15 | K194R | 299.643 | 268.358 | 168.187 | 12.962 | 0.18151 | 2.77047 | 7 X  |
| K14R22T | 17.3 | 0.15 | K194R | 24.513  | 128.014 | 189.097 | 20.083 | 0.22685 | 2.80238 | 4 X  |
| K14R43P | 16.2 | 0.15 | K194R | 292.415 | 133.896 | 278.519 | 9.445  | 0.14490 | 2.94790 | 7 X  |
| K14R66O | 16.4 | 0.15 | K194R | 16.879  | 258.849 | 82.277  | 14.717 | 0.06080 | 2.99710 | 7 X  |
| K14SE8Q | 16.0 | 0.15 | K194R | 6.399   | 241.285 | 100.003 | 12.357 | 0.15876 | 2.99493 | 6 X  |
| K14SG7A | 15.6 | 0.15 | K194R | 316.182 | 123.320 | 246.069 | 8.375  | 0.07022 | 3.01492 | 8 X  |
| K14SL2H | 16.7 | 0.15 | K194R | 307.808 | 287.064 | 129.344 | 9.781  | 0.07885 | 3.00368 | 9 X  |
| K14SL2U | 15.6 | 0.15 | K194R | 352.729 | 269.352 | 84.689  | 14.080 | 0.15702 | 3.02330 | 11 X |
| K14SL3N | 16.7 | 0.15 | K194R | 327.241 | 298.054 | 95.385  | 12.221 | 0.08594 | 3.01811 | 3 X  |
| K14SL6C | 16.7 | 0.15 | K194R | 353.191 | 279.753 | 76.939  | 15.790 | 0.18760 | 3.00731 | 3 X  |
| K14SL8H | 16.3 | 0.15 | K194R | 258.601 | 294.475 | 169.834 | 12.961 | 0.03025 | 3.01815 | 11 X |
| K14SO1L | 16.8 | 0.15 | K194R | 320.199 | 254.201 | 142.142 | 13.198 | 0.10139 | 2.80574 | 5 X  |
| K14SV1J | 15.8 | 0.15 | K194R | 210.877 | 238.241 | 251.827 | 8.598  | 0.04777 | 3.00744 | 10 X |
| K14Sa0M | 17.0 | 0.15 | K194R | 292.607 | 181.060 | 237.507 | 14.662 | 0.24018 | 2.89159 | 3 X  |
| K14T17Q | 18.3 | 0.15 | K194R | 69.702  | 237.206 | 352.843 | 20.152 | 0.06855 | 1.85791 | 4 X  |
| K14T51K | 16.7 | 0.15 | K194R | 285.791 | 272.495 | 220.149 | 10.672 | 0.15008 | 2.65188 | 9 X  |
| K14T56H | 18.2 | 0.15 | K194R | 1.607   | 66.945  | 216.615 | 21.914 | 0.08313 | 1.93133 | 4 X  |
| K14T71W | 16.5 | 0.15 | K194R | 235.703 | 53.633  | 77.649  | 12.734 | 0.06207 | 3.02884 | 7 X  |
| K14T80B | 16.2 | 0.15 | K194R | 297.736 | 241.746 | 236.080 | 9.244  | 0.25902 | 2.71913 | 8 X  |
| K14T80N | 15.7 | 0.15 | K194R | 35.124  | 50.695  | 241.767 | 9.045  | 0.08490 | 3.02551 | 10 X |
| K14T85Q | 16.3 | 0.15 | K194R | 330.687 | 198.958 | 164.404 | 11.647 | 0.25114 | 3.02069 | 8 X  |
| K14U52J | 17.1 | 0.15 | K194R | 331.622 | 207.754 | 223.374 | 11.408 | 0.17904 | 2.72252 | 4 X  |
| K14U54P | 15.9 | 0.15 | K194R | 284.845 | 106.076 | 316.817 | 14.613 | 0.16489 | 3.05400 | 10 X |
| K14U57K | 16.6 | 0.15 | K194R | 304.549 | 183.053 | 267.913 | 20.460 | 0.53915 | 2.88816 | 5 X  |
| K14U62M | 16.0 | 0.15 | K194R | 355.614 | 69.738  | 254.506 | 12.015 | 0.22224 | 3.11163 | 6 X  |
| K14U67L | 16.2 | 0.15 | K194R | 344.795 | 288.002 | 76.235  | 11.652 | 0.15560 | 2.89281 | 6 X  |
| K14UF9T | 17.1 | 0.15 | K194R | 327.361 | 312.124 | 87.934  | 12.077 | 0.09411 | 2.93513 | 5 X  |
| K14UH3H | 16.7 | 0.15 | K194R | 2.471   | 245.692 | 99.434  | 11.337 | 0.10789 | 2.98631 | 7 X  |
| K14UJ0E | 16.6 | 0.15 | K194R | 338.840 | 299.182 | 76.872  | 11.427 | 0.10543 | 3.01695 | 7 X  |
| K14UJ9N | 15.6 | 0.15 | K194R | 329.678 | 95.439  | 266.988 | 9.753  | 0.05245 | 3.14952 | 7 X  |
| K14UL6L | 15.3 | 0.15 | K194R | 285.159 | 315.716 | 118.303 | 11.350 | 0.03603 | 3.02146 | 15 X |
| K14UN9A | 16.6 | 0.15 | K194R | 8.600   | 68.502  | 236.415 | 14.547 | 0.21696 | 3.09311 | 5 X  |
| K14V13K | 16.4 | 0.15 | K194R | 332.096 | 353.160 | 9.610   | 11.221 | 0.25181 | 3.03247 | 8 X  |
| K14V16J | 16.1 | 0.15 | K194R | 113.090 | 58.442  | 222.548 | 10.564 | 0.09225 | 2.78305 | 9 X  |
| K14V28M | 16.4 | 0.15 | K194R | 336.008 | 110.708 | 248.801 | 8.396  | 0.09594 | 3.14622 | 7 X  |
| K14WH2X | 16.9 | 0.15 | K194R | 342.351 | 265.861 | 99.909  | 10.186 | 0.17441 | 2.80827 | 3 X  |
| K14WH9F | 16.6 | 0.15 | K194R | 268.892 | 294.722 | 174.179 | 10.633 | 0.07692 | 2.83663 | 10 X |
| K14WJ5P | 15.6 | 0.15 | K194R | 27.459  | 6.865   | 301.149 | 8.929  | 0.08237 | 3.13920 | 9 X  |
| K14WN4Y | 15.7 | 0.15 | K194R | 264.371 | 122.743 | 335.536 | 9.626  | 0.20599 | 3.11261 | 12 X |
| K14WN7J | 16.0 | 0.15 | K194R | 304.632 | 35.273  | 7.988   | 11.494 | 0.21457 | 3.19759 | 5 X  |
| K14WP5O | 15.9 | 0.15 | K194R | 118.655 | 113.838 | 119.960 | 10.510 | 0.11347 | 3.11183 | 10 X |
| K14WQ0A | 16.9 | 0.15 | K194R | 340.028 | 299.151 | 84.859  | 12.468 | 0.13921 | 2.96726 | 5 X  |
| K14WQ5F | 16.2 | 0.15 | K194R | 106.674 | 140.429 | 115.042 | 10.319 | 0.02406 | 3.03619 | 8 X  |
| K14WQ6K | 16.9 | 0.15 | K194R | 301.514 | 333.882 | 98.461  | 11.615 | 0.09262 | 2.98337 | 5 X  |
| K14WS0E | 16.4 | 0.15 | K194R | 34.839  | 220.643 | 96.295  | 11.944 | 0.11745 | 3.06089 | 7 X  |
| K14WS0V | 16.6 | 0.15 | K194R | 311.426 | 323.302 | 95.466  | 11.309 | 0.10812 | 3.01310 | 6 X  |
| K14WT2V | 16.2 | 0.15 | K194R | 333.487 | 293.238 | 101.165 | 18.466 | 0.04088 | 2.99381 | 8 X  |
| K14WT4P | 16.3 | 0.15 | K194R | 268.881 | 316.707 | 145.703 | 12.052 | 0.10543 | 3.05696 | 7 X  |
| K14WT5B | 16.1 | 0.15 | K194R | 314.048 | 285.079 | 131.688 | 13.201 | 0.02991 | 3.02265 | 8 X  |
| K14WV7Z | 16.3 | 0.15 | K194R | 18.216  | 163.160 | 168.896 | 12.306 | 0.05840 | 2.92358 | 6 X  |
| K14WW3U | 16.3 | 0.15 | K194R | 283.394 | 350.782 | 93.372  | 11.804 | 0.09331 | 2.97174 | 6 X  |
| K14WW6T | 16.2 | 0.15 | K194R | 58.990  | 154.618 | 142.824 | 10.392 | 0.10133 | 2.93828 | 12 X |
| K14WW8N | 16.1 | 0.15 | K194R | 71.708  | 168.851 | 113.713 | 10.638 | 0.02408 | 3.01547 | 10 X |
| K14WX1O | 16.4 | 0.15 | K194R | 62.160  | 196.505 | 94.996  | 11.418 | 0.07837 | 2.99337 | 8 X  |
| K14WX6J | 16.9 | 0.15 | K194R | 4.006   | 190.367 | 171.799 | 10.942 | 0.08007 | 2.94541 | 10 X |
| K14WX6Q | 16.5 | 0.15 | K194R | 340.689 | 253.264 | 120.523 | 9.960  | 0.10703 | 3.01257 | 6 X  |
| K14WX8N | 16.4 | 0.15 | K194R | 38.670  | 171.681 | 134.638 | 12.926 | 0.11398 | 3.03560 | 8 X  |
| K14WY0E | 16.3 | 0.15 | K194R | 66.880  | 161.199 | 130.795 | 10.422 | 0.03809 | 2.98537 | 10 X |
| K14WY4D | 16.2 | 0.15 | K194R | 44.460  | 200.654 | 111.891 | 11.793 | 0.07225 | 2.97509 | 10 X |
| K14WZ5J | 16.2 | 0.15 | K194R | 321.756 | 127.907 | 274.006 | 22.316 | 0.35478 | 3.15334 | 5 X  |
| K14Wc2V | 16.6 | 0.15 | K194R | 313.145 | 149.640 | 240.796 | 10.736 | 0.16104 | 3.07212 | 4 X  |
| K14Wd0G | 16.6 | 0.15 | K194R | 20.563  | 250.310 | 111.281 | 15.957 | 0.17064 | 2.60931 | 8 X  |
| K14Wd2N | 16.6 | 0.15 | K194R | 325.380 | 294.080 | 96.857  | 13.962 | 0.18650 | 3.04704 | 5 X  |
| K14Wd2W | 17.0 | 0.15 | K194R | 299.189 | 329.105 | 116.259 | 11.709 | 0.20213 | 2.99701 | 7 X  |
| K14Wd3O | 16.4 | 0.15 | K194R | 280.470 | 343.314 | 129.552 | 11.812 | 0.19440 | 3.14802 | 7 X  |
| K14Wf5H | 17.1 | 0.15 | K194R | 288.216 | 330.956 | 123.968 | 9.071  | 0.25199 | 3.02860 | 4 X  |
| K14Wg3O | 16.3 | 0.15 | K194R | 269.856 | 338.992 | 126.984 | 9.559  | 0.05108 | 3.06750 | 11 X |
| K14Wh0M | 16.4 | 0.15 | K194R | 314.669 | 158.497 | 235.924 | 10.680 | 0.12821 | 3.06417 | 8 X  |
| K14Wi9F | 15.9 | 0.15 | K194R | 259.628 | 160.259 | 292.844 | 8.529  | 0.07640 | 3.19973 | 9 X  |
| K14Wj3N | 16.2 | 0.15 | K194R | 348.142 | 43.663  | 299.729 | 9.452  | 0.15783 | 3.02835 | 7 X  |
| K14Wj5Z | 17.0 | 0.15 | K194R | 328.804 | 233.813 | 154.853 | 15.414 | 0.27031 | 2.98182 | 3 X  |
| K14Wl5V | 15.8 | 0.15 | K194R | 315.730 | 271.953 | 137.941 | 14.138 | 0.14830 | 2.98295 | 7 X  |
| K14Wm2R | 15.6 | 0.15 | K194R | 345.393 | 77.073  | 273.685 | 11.640 | 0.08582 | 3.20758 | 8 X  |
| K14Wm6V | 16.3 | 0.15 | K194R | 345.757 | 242.023 | 132.734 | 10.050 | 0.07535 | 3.03529 | 8 X  |
| K14Wm9N | 16.4 | 0.15 | K194R | 323.199 | 258.040 | 147.397 | 11.898 | 0.16444 | 3.00170 | 7 X  |
| K14Wn1M | 16.8 | 0.15 | K194R | 291.745 | 284.181 | 172.041 | 11.530 | 0.23323 | 3.01674 | 6 X  |
| K14Wn5S | 16.2 | 0.15 | K194R | 305.483 | 284.737 | 158.003 | 15.484 | 0.23236 | 3.19594 | 8 X  |
| K14Wn8R | 16.3 | 0.15 | K194R | 317.147 | 240.079 | 126.631 | 14.760 | 0.37630 | 3.08122 | 5 X  |
| K14Wn8W | 15.4 | 0.15 | K194R | 308.670 | 281.643 | 96.270  | 17.125 | 0.25956 | 3.16219 | 9 X  |
| K14Wp4R | 17.5 | 0.15 | K194R | 294.393 | 291.993 | 154.816 | 14.821 | 0.24645 | 2.97724 | 4 X  |
| K14Wp9O | 16.8 | 0.15 | K194R | 289.778 | 12.065  | 77.333  | 11.779 | 0.20227 | 3.13476 | 4 X  |

|         |      |      |       |         |         |         |        |         |         |    |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|----|---|
| K14Wp9T | 16.4 | 0.15 | K194R | 20.656  | 253.921 | 78.100  | 15.337 | 0.08264 | 3.13154 | 6  | X |
| K14Wq1R | 17.2 | 0.15 | K194R | 312.045 | 95.063  | 298.185 | 10.090 | 0.24546 | 3.06083 | 4  | X |
| K14Wr0B | 16.9 | 0.15 | K194R | 304.700 | 267.916 | 173.636 | 16.132 | 0.22188 | 3.11200 | 5  | X |
| K14X04F | 16.3 | 0.15 | K194R | 347.959 | 245.701 | 120.381 | 10.156 | 0.14571 | 2.83817 | 8  | X |
| K14X12R | 16.2 | 0.15 | K194R | 319.313 | 338.762 | 73.285  | 20.589 | 0.09814 | 3.00097 | 6  | X |
| K14X29D | 16.5 | 0.15 | K194R | 321.252 | 259.570 | 149.196 | 11.338 | 0.08311 | 3.05041 | 6  | X |
| K14X29G | 16.2 | 0.15 | K194R | 283.509 | 317.752 | 138.144 | 12.290 | 0.08965 | 3.04825 | 7  | X |
| K14X38R | 17.1 | 0.15 | K194R | 11.737  | 356.685 | 286.034 | 14.989 | 0.04570 | 2.01172 | 10 | X |
| K14Y18Q | 15.7 | 0.15 | K194R | 334.337 | 300.465 | 81.404  | 10.860 | 0.11162 | 3.15684 | 7  | X |
| K14Y25F | 16.2 | 0.15 | K194R | 93.200  | 184.210 | 89.805  | 19.915 | 0.04690 | 3.16187 | 7  | X |
| K14Y29M | 16.3 | 0.15 | K194R | 296.688 | 356.255 | 82.103  | 16.727 | 0.20135 | 3.13416 | 3  | X |
| K14Y32A | 16.0 | 0.15 | K194R | 328.021 | 36.701  | 47.980  | 17.871 | 0.32272 | 3.09033 | 6  | X |
| K14Y40Q | 16.0 | 0.15 | K194R | 264.996 | 33.837  | 62.620  | 16.478 | 0.05338 | 3.14995 | 6  | X |
| K15A05E | 15.6 | 0.15 | K194R | 263.034 | 334.212 | 129.845 | 15.809 | 0.03422 | 3.02098 | 9  | X |
| K15A25N | 16.2 | 0.15 | K194R | 297.425 | 267.999 | 174.245 | 22.812 | 0.24796 | 3.18084 | 4  | X |
| K15A42W | 16.3 | 0.15 | K194R | 77.746  | 118.907 | 166.296 | 11.721 | 0.07515 | 3.11643 | 8  | X |
| K15AJ9S | 16.5 | 0.15 | K194R | 325.072 | 320.459 | 81.935  | 17.303 | 0.06466 | 3.19009 | 5  | X |
| K15AK3D | 16.2 | 0.15 | K194R | 285.806 | 15.138  | 85.358  | 18.086 | 0.14957 | 3.09830 | 3  | X |
| K15AK4E | 16.5 | 0.15 | K194R | 255.169 | 329.236 | 149.189 | 15.341 | 0.05857 | 3.08490 | 4  | X |
| K15AM5S | 16.6 | 0.15 | K194R | 347.926 | 253.329 | 169.825 | 8.851  | 0.14803 | 3.00334 | 7  | X |
| K15AP0N | 17.0 | 0.15 | K194R | 313.391 | 355.300 | 69.859  | 15.683 | 0.23854 | 3.10595 | 3  | X |
| K15AS3E | 16.3 | 0.15 | K194R | 279.470 | 62.265  | 56.294  | 26.635 | 0.27429 | 3.17188 | 4  | X |
| K15B47A | 16.5 | 0.15 | K194R | 303.812 | 298.423 | 135.311 | 9.932  | 0.11196 | 3.05856 | 9  | X |
| K15B93D | 17.5 | 0.15 | K194R | 307.183 | 1.915   | 61.268  | 16.686 | 0.23407 | 3.00209 | 3  | X |
| K15BK5W | 15.9 | 0.15 | K194R | 331.451 | 84.654  | 297.457 | 20.097 | 0.23590 | 3.18094 | 5  | X |
| K15BN9X | 16.1 | 0.15 | K194R | 305.026 | 301.617 | 138.511 | 15.961 | 0.25629 | 3.07796 | 8  | X |
| K15BO0H | 16.5 | 0.15 | K194R | 300.952 | 314.938 | 131.012 | 10.659 | 0.21773 | 3.15229 | 8  | X |
| K15BR6X | 16.1 | 0.15 | K194R | 281.614 | 335.297 | 110.805 | 12.906 | 0.08904 | 3.13355 | 6  | X |
| K15BV5Z | 16.7 | 0.15 | K194R | 35.825  | 213.843 | 108.771 | 10.170 | 0.09242 | 2.93505 | 8  | X |
| K15D60G | 15.8 | 0.15 | K194R | 81.713  | 171.543 | 162.765 | 9.796  | 0.06594 | 3.16661 | 13 | X |
| K15DE4G | 16.0 | 0.15 | K194R | 315.402 | 278.141 | 141.396 | 15.674 | 0.20847 | 3.13516 | 6  | X |
| K15DE4J | 15.7 | 0.15 | K194R | 307.615 | 277.341 | 147.293 | 14.731 | 0.12770 | 3.22534 | 7  | X |
| K15DH7A | 16.4 | 0.15 | K194R | 319.882 | 313.491 | 147.028 | 17.902 | 0.20578 | 3.11477 | 6  | X |
| K15DH7Z | 15.8 | 0.15 | K194R | 297.877 | 304.737 | 133.515 | 10.153 | 0.11567 | 3.22757 | 8  | X |
| K15Fd4K | 18.9 | 0.15 | K194R | 261.321 | 246.443 | 190.355 | 21.921 | 0.11532 | 2.00124 | 3  | X |
| K15K39L | 18.5 | 0.15 | K194R | 347.216 | 68.285  | 248.943 | 10.306 | 0.22499 | 2.32691 | 3  | X |
| K15KD1N | 17.8 | 0.15 | K194R | 18.900  | 225.893 | 68.309  | 13.058 | 0.22506 | 2.32972 | 3  | X |
| K15M56C | 17.7 | 0.15 | K194R | 37.476  | 163.827 | 119.335 | 7.353  | 0.14981 | 2.30044 | 8  | X |
| K15M92T | 18.2 | 0.15 | K194R | 11.370  | 216.676 | 93.101  | 11.006 | 0.16323 | 2.24333 | 4  | X |
| K15MB1F | 18.2 | 0.15 | K194R | 316.424 | 280.819 | 110.577 | 7.592  | 0.10228 | 2.28290 | 5  | X |
| K15MB8B | 17.9 | 0.15 | K194R | 336.045 | 241.121 | 112.636 | 8.845  | 0.25909 | 2.40388 | 6  | X |
| K15N18M | 17.0 | 0.15 | K194R | 33.160  | 182.564 | 119.453 | 10.565 | 0.13907 | 2.34098 | 9  | X |
| K15N21K | 17.7 | 0.15 | K194R | 15.894  | 200.309 | 109.358 | 8.729  | 0.19827 | 2.24578 | 4  | X |
| K15O00A | 17.7 | 0.15 | K194R | 321.638 | 61.005  | 295.486 | 7.299  | 0.17597 | 2.44189 | 5  | X |
| K15O38C | 18.0 | 0.15 | K194R | 10.812  | 169.156 | 148.479 | 9.025  | 0.20796 | 2.37181 | 6  | X |
| K15O87A | 17.4 | 0.15 | K194R | 313.430 | 264.031 | 136.174 | 7.434  | 0.10622 | 2.43238 | 8  | X |
| K15P02N | 17.6 | 0.15 | K194R | 14.307  | 325.234 | 323.817 | 10.563 | 0.18495 | 2.43072 | 3  | X |
| K15P11P | 17.7 | 0.15 | K194R | 312.257 | 226.640 | 166.571 | 13.916 | 0.27350 | 2.43982 | 5  | X |
| K15PT1O | 17.3 | 0.15 | K194R | 316.210 | 274.305 | 124.317 | 11.913 | 0.34246 | 2.53747 | 4  | X |
| K15PV0W | 16.5 | 0.15 | K194R | 341.764 | 262.193 | 92.663  | 15.149 | 0.18529 | 2.43274 | 10 | X |
| K15Q09U | 16.2 | 0.15 | K194R | 328.414 | 115.864 | 252.470 | 23.266 | 0.28992 | 2.58257 | 5  | X |
| K15Q11N | 16.6 | 0.15 | K194R | 315.670 | 335.037 | 57.551  | 14.706 | 0.20508 | 2.57926 | 5  | X |
| K15R01O | 17.2 | 0.15 | K194R | 338.042 | 346.229 | 340.991 | 18.643 | 0.22922 | 2.56587 | 5  | X |
| K15R12W | 17.8 | 0.15 | K194R | 308.363 | 343.861 | 35.699  | 1.737  | 0.18760 | 2.45334 | 7  | X |
| K15R14V | 17.9 | 0.15 | K194R | 343.257 | 190.277 | 152.227 | 14.068 | 0.25511 | 2.41277 | 2  | X |
| K15R27V | 17.4 | 0.15 | K194R | 319.534 | 3.944   | 11.808  | 11.874 | 0.26799 | 2.54983 | 6  | X |
| K15R36A | 19.9 | 0.15 | K194R | 319.274 | 157.581 | 156.132 | 34.504 | 0.64196 | 2.60134 | 3  | X |
| K15R89L | 16.7 | 0.15 | K194R | 315.952 | 97.626  | 260.455 | 16.881 | 0.16477 | 2.62071 | 7  | X |
| K15R91Q | 17.2 | 0.15 | K194R | 314.725 | 185.468 | 238.805 | 7.032  | 0.20375 | 2.30124 | 7  | X |
| K15RA8C | 17.5 | 0.15 | K194R | 324.149 | 255.788 | 151.212 | 5.067  | 0.19584 | 2.39001 | 9  | X |
| K15RA8Q | 17.2 | 0.15 | K194R | 338.394 | 290.074 | 22.498  | 12.841 | 0.28298 | 2.62945 | 4  | X |
| K15RA9L | 17.5 | 0.15 | K194R | 306.979 | 28.106  | 3.550   | 5.950  | 0.31850 | 2.58173 | 5  | X |
| K15RL3R | 18.4 | 0.15 | K194R | 7.325   | 145.467 | 172.124 | 14.760 | 0.18104 | 2.43556 | 3  | X |
| K15RN6S | 17.7 | 0.15 | K194R | 315.893 | 324.073 | 97.738  | 8.016  | 0.21374 | 2.43955 | 6  | X |
| K15RN7P | 16.2 | 0.15 | K194R | 83.850  | 66.408  | 192.576 | 26.382 | 0.15197 | 2.54389 | 4  | X |
| K15RN8X | 17.8 | 0.15 | K194R | 336.406 | 253.220 | 119.493 | 10.877 | 0.08039 | 2.54310 | 4  | X |
| K15RN9R | 17.6 | 0.15 | K194R | 279.543 | 9.146   | 75.926  | 14.897 | 0.13043 | 2.53718 | 7  | X |
| K15RO0V | 17.3 | 0.15 | K194R | 338.825 | 239.694 | 124.843 | 10.024 | 0.14125 | 2.55710 | 6  | X |
| K15RO2R | 17.5 | 0.15 | K194R | 277.030 | 314.292 | 127.585 | 11.592 | 0.08985 | 2.56607 | 5  | X |
| K15RO4X | 17.8 | 0.15 | K194R | 329.029 | 324.004 | 74.182  | 6.113  | 0.23187 | 2.41167 | 5  | X |
| K15RP7W | 17.8 | 0.15 | K194R | 324.084 | 277.609 | 108.628 | 9.870  | 0.09499 | 2.55796 | 5  | X |
| K15RR3H | 17.2 | 0.15 | K194R | 321.629 | 257.968 | 134.563 | 14.492 | 0.08365 | 2.54044 | 4  | X |
| K15RR7A | 17.3 | 0.15 | K194R | 275.525 | 296.845 | 160.172 | 12.617 | 0.15290 | 2.53200 | 5  | X |
| K15S02Q | 18.4 | 0.15 | K194R | 319.699 | 249.426 | 142.670 | 12.392 | 0.35252 | 2.55867 | 3  | X |
| K15S19M | 17.4 | 0.15 | K194R | 22.147  | 203.513 | 111.675 | 8.052  | 0.16007 | 2.47960 | 4  | X |
| K15S30Q | 16.9 | 0.15 | K194R | 351.236 | 205.716 | 152.604 | 14.363 | 0.12273 | 2.56308 | 7  | X |
| K15T91L | 17.3 | 0.15 | K194R | 322.961 | 123.068 | 238.803 | 10.382 | 0.20691 | 2.64810 | 7  | X |
| K15T99P | 16.9 | 0.15 | K194R | 307.389 | 12.790  | 15.105  | 4.849  | 0.27579 | 2.60264 | 8  | X |
| K15TB0P | 17.0 | 0.15 | K194R | 279.102 | 6.408   | 68.147  | 22.904 | 0.04253 | 2.62597 | 5  | X |
| K15TB6B | 17.1 | 0.15 | K194R | 33.172  | 171.848 | 135.565 | 14.873 | 0.16389 | 2.61394 | 6  | X |
| K15TB7H | 17.4 | 0.15 | K194R | 0.438   | 166.299 | 163.004 | 14.372 | 0.23701 | 2.64557 | 5  | X |
| K15TC1F | 17.3 | 0.15 | K194R | 324.136 | 220.582 | 165.931 | 14.621 | 0.18824 | 2.60584 | 7  | X |
| K15TC7A | 16.6 | 0.15 | K194R | 61.964  | 143.330 | 130.840 | 10.671 | 0.11981 | 2.54508 | 8  | X |
| K15TC9W | 17.6 | 0.15 | K194R | 233.625 | 333.741 | 161.415 | 10.798 | 0.15683 | 2.55326 | 7  | X |
| K15TD4R | 16.9 | 0.15 | K194R | 74.067  | 150.709 | 108.304 | 13.538 | 0.14263 | 2.59108 | 7  | X |
| K15TG9H | 18.8 | 0.15 | K194R | 304.619 | 357.985 | 57.608  | 15.982 | 0.24098 | 2.54146 | 3  | X |
| K15TN2Q | 17.1 | 0.15 | K194R | 269.943 | 305.219 | 148.981 | 16.999 | 0.08209 | 2.55340 | 3  | X |
| K15TN4L | 17.4 | 0.15 | K194R | 290.110 | 91.967  | 317.263 | 8.489  | 0.20559 | 2.57534 | 4  | X |
| K15TP5V | 16.3 | 0.15 | K194R | 287.975 | 270.219 | 109.325 | 14.502 | 0.08287 | 2.73638 | 7  | X |
| K15TT8R | 17.2 | 0.15 | K194R | 304.664 | 101.148 | 291.073 | 8.233  | 0.21667 | 2.57625 | 4  | X |
| K15TV2O | 16.5 | 0.15 | K194R | 287.456 | 186.743 | 213.155 | 14.179 | 0.09527 | 2.63081 | 9  | X |
| K15TZ7G | 17.6 | 0.15 | K194R | 289.190 | 288.448 | 145.131 | 15.487 | 0.09176 | 2.55004 | 3  | X |
| K15Tb4L | 17.9 | 0.15 | K194R | 285.285 | 289.010 | 149.090 | 15.369 | 0.16623 | 2.62231 | 5  | X |



|         |      |      |       |         |         |         |        |         |         |    |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|----|---|
| K15Tc0D | 17.4 | 0.15 | K194R | 318.601 | 42.566  | 331.583 | 11.658 | 0.19464 | 2.61607 | 5  | X |
| K15Tc5X | 17.3 | 0.15 | K194R | 273.949 | 320.263 | 135.111 | 13.573 | 0.10961 | 2.58758 | 7  | X |
| K15U07M | 16.4 | 0.15 | K194R | 302.843 | 269.558 | 152.666 | 13.448 | 0.17362 | 2.53654 | 6  | X |
| K15U44F | 18.0 | 0.15 | K194R | 306.687 | 317.955 | 85.948  | 12.770 | 0.18551 | 2.54425 | 5  | X |
| K15U59M | 17.3 | 0.15 | K194R | 259.421 | 345.239 | 118.498 | 11.067 | 0.14472 | 2.58353 | 6  | X |
| K15U65U | 16.6 | 0.15 | K194R | 27.084  | 229.264 | 89.702  | 16.468 | 0.12278 | 2.53555 | 5  | X |
| K15U66G | 17.3 | 0.15 | K194R | 328.431 | 276.623 | 105.228 | 11.640 | 0.14275 | 2.56374 | 7  | X |
| K15U66K | 17.4 | 0.15 | K194R | 309.260 | 324.783 | 79.669  | 15.525 | 0.21715 | 2.57118 | 4  | X |
| K15U67X | 17.1 | 0.15 | K194R | 264.053 | 154.250 | 287.635 | 12.090 | 0.18887 | 2.58863 | 6  | X |
| K15U77B | 16.4 | 0.15 | K194R | 343.511 | 67.238  | 275.149 | 12.056 | 0.02854 | 2.66747 | 6  | X |
| K15U77P | 17.4 | 0.15 | K194R | 308.476 | 151.222 | 237.674 | 13.154 | 0.25446 | 2.62082 | 6  | X |
| K15U81L | 16.3 | 0.15 | K194R | 265.173 | 274.385 | 175.455 | 21.986 | 0.06593 | 2.59480 | 6  | X |
| K15U86G | 16.6 | 0.15 | K194R | 356.275 | 43.030  | 277.829 | 9.252  | 0.09948 | 2.65357 | 8  | X |
| K15U86Y | 17.5 | 0.15 | K194R | 284.802 | 291.496 | 146.812 | 9.280  | 0.13911 | 2.57890 | 4  | X |
| K15U89H | 17.4 | 0.15 | K194R | 0.793   | 234.410 | 110.253 | 12.625 | 0.11352 | 2.57372 | 5  | X |
| K15V30F | 18.2 | 0.15 | K194R | 335.620 | 60.260  | 290.855 | 3.802  | 0.24787 | 2.55696 | 4  | X |
| K15V33K | 16.5 | 0.15 | K194R | 332.262 | 97.985  | 251.537 | 11.358 | 0.13811 | 2.65253 | 8  | X |
| K15V57E | 17.5 | 0.15 | K194R | 301.856 | 216.128 | 178.673 | 5.290  | 0.25650 | 2.57589 | 5  | X |
| K15V63N | 17.5 | 0.15 | K194R | 358.717 | 223.648 | 125.986 | 10.830 | 0.12390 | 2.57085 | 4  | X |
| K15V71M | 17.4 | 0.15 | K194R | 246.568 | 314.077 | 169.609 | 11.749 | 0.12039 | 2.53334 | 7  | X |
| K15VA0D | 17.1 | 0.15 | K194R | 311.394 | 228.348 | 156.809 | 3.493  | 0.25308 | 2.58792 | 9  | X |
| K15VB4K | 17.4 | 0.15 | K194R | 327.113 | 43.238  | 315.089 | 6.712  | 0.20965 | 2.55223 | 6  | X |
| K15VD5D | 17.6 | 0.15 | K194R | 327.896 | 132.532 | 223.779 | 12.962 | 0.28397 | 2.61599 | 5  | X |
| K15VE2L | 16.7 | 0.15 | K194R | 353.479 | 276.332 | 20.777  | 24.469 | 0.59606 | 2.55477 | 4  | X |
| K15VE4N | 17.1 | 0.15 | K194R | 318.658 | 217.310 | 182.054 | 15.473 | 0.13958 | 2.55498 | 5  | X |
| K15VE6V | 17.6 | 0.15 | K194R | 255.054 | 331.839 | 140.536 | 13.401 | 0.13740 | 2.55587 | 5  | X |
| K15VE9R | 17.5 | 0.15 | K194R | 12.293  | 197.323 | 116.333 | 8.873  | 0.28198 | 2.55999 | 8  | X |
| K15VF2E | 16.6 | 0.15 | K194R | 60.628  | 241.692 | 81.958  | 18.210 | 0.04244 | 2.55466 | 9  | X |
| K15VF3U | 17.6 | 0.15 | K194R | 302.374 | 130.657 | 264.349 | 10.405 | 0.18590 | 2.62236 | 4  | X |
| K15W05F | 16.5 | 0.15 | K194R | 329.537 | 278.486 | 103.105 | 15.425 | 0.13358 | 2.60756 | 10 | X |
| K15W05R | 16.3 | 0.15 | K194R | 295.714 | 351.861 | 71.783  | 23.026 | 0.04909 | 2.60587 | 7  | X |
| K15W14Z | 17.5 | 0.15 | K194R | 327.459 | 304.760 | 70.323  | 14.761 | 0.30752 | 2.55012 | 6  | X |
| K15W22D | 17.2 | 0.15 | K194R | 297.915 | 327.447 | 97.655  | 9.287  | 0.19281 | 2.74412 | 7  | X |
| K15X10K | 17.0 | 0.15 | K194R | 282.731 | 359.090 | 80.578  | 16.344 | 0.14829 | 2.59195 | 7  | X |
| K15X44O | 18.0 | 0.15 | K194R | 356.669 | 246.748 | 75.454  | 13.963 | 0.29807 | 2.60071 | 3  | X |
| K15X52X | 17.3 | 0.15 | K194R | 332.161 | 204.311 | 175.447 | 11.472 | 0.17395 | 2.57594 | 6  | X |
| K15X65R | 17.1 | 0.15 | K194R | 332.611 | 106.818 | 246.441 | 11.339 | 0.18592 | 2.68036 | 5  | X |
| K15X85R | 17.1 | 0.15 | K194R | 246.800 | 320.961 | 148.667 | 11.695 | 0.03174 | 2.69405 | 6  | X |
| K15XA5U | 16.9 | 0.15 | K194R | 21.968  | 214.659 | 114.560 | 8.849  | 0.10540 | 2.58729 | 10 | X |
| K15XC4M | 17.9 | 0.15 | K194R | 324.613 | 145.474 | 206.987 | 12.632 | 0.34450 | 2.70578 | 7  | X |
| K15XC5P | 17.0 | 0.15 | K194R | 22.161  | 144.436 | 171.196 | 14.637 | 0.19865 | 2.70942 | 8  | X |
| K15XE0A | 17.3 | 0.15 | K194R | 332.732 | 296.914 | 75.010  | 9.079  | 0.13225 | 2.62518 | 9  | X |
| K15XG8J | 15.4 | 0.15 | K194R | 257.422 | 194.282 | 263.024 | 33.048 | 0.19614 | 2.62925 | 5  | X |
| K15XH1F | 17.7 | 0.15 | K194R | 309.910 | 74.637  | 320.430 | 4.604  | 0.36171 | 2.57675 | 5  | X |
| K15XH1V | 17.3 | 0.15 | K194R | 331.387 | 302.453 | 65.715  | 18.164 | 0.26200 | 2.59978 | 5  | X |
| K15XL1M | 16.9 | 0.15 | K194R | 10.269  | 271.263 | 73.085  | 15.215 | 0.06041 | 2.60816 | 7  | X |
| K15XM7K | 17.2 | 0.15 | K194R | 16.540  | 256.420 | 82.443  | 14.046 | 0.06629 | 2.60520 | 6  | X |
| K15XO3M | 17.0 | 0.15 | K194R | 240.074 | 50.743  | 80.658  | 14.325 | 0.16039 | 2.65427 | 7  | X |
| K15XO5P | 15.4 | 0.15 | K194R | 195.202 | 252.643 | 255.634 | 13.653 | 0.09044 | 3.16298 | 10 | X |
| K15XO5V | 17.5 | 0.15 | K194R | 295.097 | 292.337 | 146.675 | 8.977  | 0.33923 | 2.67106 | 6  | X |
| K15XP0O | 17.2 | 0.15 | K194R | 3.228   | 195.001 | 135.561 | 14.332 | 0.17172 | 2.60416 | 7  | X |
| K15XP7B | 17.7 | 0.15 | K194R | 304.066 | 241.096 | 175.330 | 16.646 | 0.10495 | 2.59502 | 3  | X |
| K15XU2D | 16.8 | 0.15 | K194R | 14.899  | 239.282 | 75.895  | 13.912 | 0.19056 | 2.64427 | 5  | X |
| K15XX3Y | 16.9 | 0.15 | K194R | 62.516  | 204.286 | 86.322  | 10.963 | 0.00898 | 2.71565 | 8  | X |
| K15XX4F | 15.8 | 0.15 | K194R | 10.963  | 239.508 | 88.073  | 14.841 | 0.19064 | 2.67706 | 12 | X |
| K15XZ7T | 17.1 | 0.15 | K194R | 47.741  | 154.591 | 128.594 | 13.102 | 0.17424 | 2.61956 | 6  | X |
| K15Xd6V | 16.5 | 0.15 | K194R | 299.639 | 326.426 | 97.627  | 16.298 | 0.11830 | 2.66779 | 8  | X |
| K15Xf7E | 17.0 | 0.15 | K194R | 300.169 | 271.695 | 148.366 | 13.389 | 0.17863 | 2.73734 | 7  | X |
| K15Xg1X | 16.6 | 0.15 | K194R | 189.548 | 102.672 | 81.237  | 14.755 | 0.12010 | 2.78434 | 8  | X |
| K15Xg1Z | 17.1 | 0.15 | K194R | 247.033 | 57.344  | 59.184  | 13.436 | 0.13011 | 2.66053 | 6  | X |
| K15Y13H | 18.1 | 0.15 | K194R | 310.553 | 250.339 | 154.419 | 12.096 | 0.31888 | 2.58813 | 4  | X |
| K15Y23K | 15.3 | 0.15 | K194R | 352.751 | 265.791 | 105.526 | 16.005 | 0.06068 | 3.14867 | 9  | X |
| K16A09Z | 17.4 | 0.15 | K194R | 283.937 | 11.107  | 105.512 | 10.752 | 0.40588 | 2.71206 | 4  | X |
| K16A29S | 16.6 | 0.15 | K194R | 276.015 | 335.224 | 116.408 | 10.652 | 0.11205 | 2.72575 | 9  | X |
| K16A36R | 16.1 | 0.15 | K194R | 179.367 | 80.360  | 103.280 | 15.923 | 0.09942 | 2.87874 | 11 | X |
| K16A78Z | 16.8 | 0.15 | K194R | 310.764 | 283.484 | 131.453 | 13.197 | 0.09012 | 2.75027 | 7  | X |
| K16A90X | 17.0 | 0.15 | K194R | 348.901 | 278.517 | 84.082  | 11.578 | 0.14974 | 2.60789 | 8  | X |
| K16AA8L | 17.4 | 0.15 | K194R | 298.161 | 351.858 | 82.492  | 9.658  | 0.20640 | 2.73530 | 3  | X |
| K16AB0D | 16.6 | 0.15 | K194R | 357.759 | 247.401 | 112.468 | 11.608 | 0.01306 | 3.02563 | 7  | X |
| K16AB7G | 16.2 | 0.15 | K194R | 24.075  | 202.095 | 134.370 | 11.123 | 0.08325 | 3.01712 | 8  | X |
| K16AC0Y | 15.2 | 0.15 | K194R | 303.387 | 64.816  | 329.718 | 16.227 | 0.06998 | 3.22098 | 10 | X |
| K16AC7P | 15.6 | 0.15 | K194R | 277.108 | 5.143   | 91.922  | 12.999 | 0.04554 | 3.08568 | 10 | X |
| K16AC9W | 15.7 | 0.15 | K194R | 210.222 | 84.828  | 79.563  | 13.808 | 0.13787 | 3.17937 | 10 | X |
| K16AD8C | 16.3 | 0.15 | K194R | 1.889   | 96.545  | 236.371 | 9.549  | 0.05966 | 3.10900 | 10 | X |
| K16AH0Y | 15.7 | 0.15 | K194R | 229.252 | 44.789  | 105.222 | 14.377 | 0.05670 | 3.17954 | 7  | X |
| K16AH4X | 15.9 | 0.15 | K194R | 224.262 | 78.972  | 64.070  | 18.196 | 0.08361 | 2.88731 | 10 | X |
| K16AI4Z | 16.8 | 0.15 | K194R | 294.524 | 333.554 | 98.890  | 10.437 | 0.18784 | 2.72945 | 9  | X |
| K16AJ1P | 16.6 | 0.15 | K194R | 25.780  | 241.894 | 95.111  | 11.755 | 0.04482 | 2.89019 | 6  | X |
| K16AM1D | 17.4 | 0.15 | K194R | 293.600 | 269.445 | 158.419 | 9.732  | 0.12721 | 2.79509 | 5  | X |
| K16AM4L | 16.1 | 0.15 | K194R | 339.463 | 251.217 | 135.994 | 13.939 | 0.10097 | 2.99118 | 11 | X |
| K16AM9A | 15.9 | 0.15 | K194R | 263.436 | 13.853  | 92.380  | 14.327 | 0.10467 | 3.17454 | 8  | X |
| K16AM9L | 16.3 | 0.15 | K194R | 302.371 | 343.035 | 76.006  | 10.589 | 0.07789 | 3.16920 | 7  | X |
| K16AN5S | 16.5 | 0.15 | K194R | 10.106  | 2.944   | 307.749 | 11.068 | 0.12912 | 3.05059 | 7  | X |
| K16AO1W | 16.4 | 0.15 | K194R | 215.263 | 31.037  | 118.862 | 14.286 | 0.06274 | 2.86245 | 6  | X |
| K16AO4F | 17.7 | 0.15 | K194R | 322.120 | 276.140 | 115.892 | 8.073  | 0.24668 | 2.74552 | 5  | X |
| K16AP7E | 17.7 | 0.15 | K194R | 324.932 | 291.361 | 107.309 | 12.149 | 0.18803 | 2.76494 | 4  | X |
| K16AP7T | 16.2 | 0.15 | K194R | 50.137  | 189.275 | 108.279 | 11.693 | 0.12473 | 3.17688 | 6  | X |
| K16AQ4L | 17.2 | 0.15 | K194R | 335.175 | 240.201 | 148.708 | 11.784 | 0.11462 | 2.90041 | 5  | X |
| K16AQ5H | 16.2 | 0.15 | K194R | 148.486 | 114.806 | 112.648 | 10.214 | 0.01674 | 3.11655 | 8  | X |
| K16B13R | 17.1 | 0.15 | K194R | 291.393 | 291.309 | 156.223 | 11.997 | 0.27114 | 2.64637 | 5  | X |
| K16B46F | 16.5 | 0.15 | K194R | 307.139 | 106.886 | 282.096 | 8.621  | 0.09279 | 3.00225 | 5  | X |
| K16B79X | 17.6 | 0.15 | K194R | 317.761 | 332.930 | 100.867 | 6.164  | 0.25062 | 2.60424 | 5  | X |
| K16B91H | 15.6 | 0.15 | K194R | 318.431 | 287.227 | 131.203 | 12.453 | 0.08587 | 3.20106 | 11 | X |

|         |      |      |       |         |         |         |        |         |         |    |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|----|---|
| K16B980 | 15.8 | 0.15 | K194R | 246.127 | 2.2394  | 128.827 | 11.270 | 0.03271 | 3.22463 | 6  | X |
| K16B98P | 16.3 | 0.15 | K194R | 261.670 | 349.408 | 127.008 | 10.314 | 0.07659 | 3.16656 | 9  | X |
| K16B98W | 16.1 | 0.15 | K194R | 258.763 | 345.221 | 129.702 | 15.684 | 0.10448 | 3.16128 | 5  | X |
| K16C28P | 16.3 | 0.15 | K194R | 294.578 | 326.979 | 99.784  | 10.458 | 0.05875 | 3.18191 | 9  | X |
| K16C28V | 16.2 | 0.15 | K194R | 227.686 | 26.994  | 113.574 | 9.791  | 0.04748 | 3.16252 | 7  | X |
| K16C58Y | 15.6 | 0.15 | K194R | 75.631  | 187.620 | 103.669 | 13.272 | 0.05213 | 3.03646 | 9  | X |
| K16C65F | 15.9 | 0.15 | K194R | 170.308 | 96.919  | 91.442  | 10.335 | 0.04337 | 3.16008 | 9  | X |
| K16C69K | 15.6 | 0.15 | K194R | 5.909   | 259.945 | 94.343  | 12.828 | 0.06853 | 3.12922 | 8  | X |
| K16C70M | 17.3 | 0.15 | K194R | 269.455 | 28.191  | 80.570  | 10.188 | 0.24410 | 2.77161 | 5  | X |
| K16C77B | 17.9 | 0.15 | K194R | 307.689 | 289.624 | 128.330 | 11.223 | 0.26245 | 2.76094 | 3  | X |
| K16C85L | 16.3 | 0.15 | K194R | 5.097   | 240.825 | 113.190 | 11.288 | 0.12118 | 3.06591 | 7  | X |
| K16CA2K | 16.7 | 0.15 | K194R | 341.729 | 192.887 | 176.954 | 14.143 | 0.14474 | 2.97264 | 5  | X |
| K16CC2Y | 16.3 | 0.15 | K194R | 315.610 | 91.475  | 293.294 | 7.724  | 0.07656 | 3.17687 | 6  | X |
| K16CE2J | 15.6 | 0.15 | K194R | 207.838 | 172.783 | 320.258 | 8.459  | 0.01348 | 3.18123 | 13 | X |
| K16CF0F | 16.2 | 0.15 | K194R | 319.301 | 263.141 | 150.066 | 12.484 | 0.07952 | 3.09170 | 7  | X |
| K16CJ9S | 16.1 | 0.15 | K194R | 29.084  | 184.726 | 142.843 | 10.239 | 0.05361 | 3.10944 | 10 | X |
| K16CK4H | 16.2 | 0.15 | K194R | 303.641 | 72.586  | 329.402 | 18.422 | 0.17928 | 3.04232 | 7  | X |
| K16CK7Y | 16.4 | 0.15 | K194R | 344.825 | 233.143 | 139.610 | 10.153 | 0.14868 | 3.02427 | 6  | X |
| K16CL9X | 17.6 | 0.15 | K194R | 292.947 | 287.546 | 153.484 | 9.084  | 0.19552 | 2.81158 | 4  | X |
| K16CO3P | 16.2 | 0.15 | K194R | 325.171 | 309.845 | 81.776  | 15.545 | 0.12184 | 3.08249 | 6  | X |
| K16CS2V | 16.2 | 0.15 | K194R | 265.110 | 302.431 | 160.942 | 18.619 | 0.06046 | 3.12652 | 8  | X |
| K16CS6F | 15.9 | 0.15 | K194R | 267.138 | 352.043 | 133.751 | 10.487 | 0.17622 | 3.12521 | 7  | X |
| K16CS6V | 16.1 | 0.15 | K194R | 320.853 | 261.140 | 136.845 | 9.997  | 0.08069 | 3.16652 | 7  | X |
| K16CU3Q | 16.8 | 0.15 | K194R | 313.726 | 288.085 | 134.062 | 9.691  | 0.06911 | 3.05063 | 6  | X |
| K16CU4Q | 16.3 | 0.15 | K194R | 271.907 | 335.164 | 132.261 | 10.896 | 0.09666 | 3.17594 | 6  | X |
| K16CU9M | 15.9 | 0.15 | K194R | 261.506 | 333.230 | 140.793 | 11.368 | 0.05227 | 3.18834 | 11 | X |
| K16CV8R | 16.3 | 0.15 | K194R | 241.600 | 324.208 | 181.275 | 17.045 | 0.16813 | 3.13908 | 9  | X |
| K16D06G | 16.2 | 0.15 | K194R | 43.235  | 167.917 | 145.759 | 12.009 | 0.02094 | 3.12998 | 9  | X |
| K16D10E | 16.0 | 0.15 | K194R | 52.056  | 148.639 | 158.600 | 18.893 | 0.09593 | 3.24300 | 5  | X |
| K16D17L | 16.3 | 0.15 | K194R | 281.095 | 11.011  | 79.082  | 18.204 | 0.18751 | 2.88696 | 8  | X |
| K16D26R | 16.2 | 0.15 | K194R | 200.684 | 46.882  | 123.899 | 11.382 | 0.08178 | 3.13896 | 7  | X |
| K16E27X | 20.1 | 0.15 | K194R | 324.326 | 38.032  | 237.197 | 11.672 | 0.74338 | 2.15078 | 3  | X |
| K16E34R | 16.1 | 0.15 | K194R | 329.818 | 308.376 | 95.431  | 18.380 | 0.02009 | 3.19921 | 6  | X |
| K16E38B | 16.0 | 0.15 | K194R | 290.770 | 80.380  | 338.066 | 15.986 | 0.12108 | 3.03208 | 7  | X |
| K16E45Y | 16.0 | 0.15 | K194R | 305.644 | 316.642 | 101.561 | 14.848 | 0.13891 | 3.10043 | 6  | X |
| K16E80M | 15.5 | 0.15 | K194R | 331.769 | 280.621 | 107.246 | 12.861 | 0.08669 | 3.13909 | 10 | X |
| K16E82W | 16.1 | 0.15 | K194R | 228.408 | 36.802  | 101.573 | 10.247 | 0.04310 | 3.16200 | 7  | X |
| K16E83X | 16.0 | 0.15 | K194R | 354.024 | 264.692 | 107.729 | 10.607 | 0.02580 | 3.14233 | 7  | X |
| K16E98D | 16.3 | 0.15 | K194R | 4.804   | 261.854 | 100.251 | 14.889 | 0.04506 | 3.14097 | 4  | X |
| K16E98V | 16.3 | 0.15 | K194R | 296.198 | 349.102 | 88.104  | 12.264 | 0.08129 | 3.01572 | 5  | X |
| K16EA1O | 16.2 | 0.15 | K194R | 290.209 | 337.650 | 101.708 | 10.163 | 0.09554 | 3.04954 | 5  | X |
| K16EH3H | 15.3 | 0.15 | K194R | 246.144 | 51.884  | 78.415  | 14.400 | 0.04313 | 3.19476 | 10 | X |
| K16EL9T | 16.0 | 0.15 | K194R | 338.218 | 226.422 | 155.659 | 17.673 | 0.10228 | 3.20348 | 7  | X |
| K16EM0V | 16.7 | 0.15 | K194R | 329.646 | 214.735 | 182.479 | 26.873 | 0.14525 | 3.20597 | 4  | X |
| K16EM4Y | 17.0 | 0.15 | K194R | 304.749 | 61.653  | 355.349 | 17.973 | 0.25633 | 3.11982 | 4  | X |
| K16EN0U | 16.2 | 0.15 | K194R | 25.457  | 194.871 | 141.214 | 10.364 | 0.09570 | 3.12895 | 7  | X |
| K16EN9X | 16.1 | 0.15 | K194R | 270.739 | 4.434   | 102.658 | 9.863  | 0.07182 | 3.11447 | 5  | X |
| K16EO0K | 16.7 | 0.15 | K194R | 335.634 | 254.702 | 139.399 | 9.288  | 0.08203 | 3.12008 | 6  | X |
| K16F13C | 22.1 | 0.15 | K194R | 36.744  | 219.965 | 11.140  | 40.956 | 0.21458 | 1.25815 | 2  | V |
| K16GD0A | 15.8 | 0.15 | K194R | 248.014 | 351.979 | 140.045 | 9.832  | 0.04904 | 3.16769 | 7  | X |
| K16GE1M | 16.2 | 0.15 | K194R | 272.793 | 23.175  | 109.809 | 10.131 | 0.05166 | 2.96148 | 9  | X |
| K16GF5L | 16.0 | 0.15 | K194R | 285.683 | 315.876 | 127.925 | 10.128 | 0.09992 | 3.12567 | 9  | X |
| K16GK5Z | 16.2 | 0.15 | K194R | 181.771 | 101.816 | 131.601 | 7.155  | 0.02233 | 2.87288 | 9  | X |
| K16H21K | 15.8 | 0.15 | K194R | 169.972 | 116.683 | 85.715  | 19.529 | 0.11806 | 3.20380 | 8  | X |
| K16R18M | 18.7 | 0.15 | K194R | 189.023 | 327.848 | 181.411 | 21.494 | 0.05532 | 1.91987 | 5  | X |
| K16T95F | 18.1 | 0.15 | K194R | 13.075  | 120.791 | 232.173 | 20.022 | 0.07913 | 1.91929 | 3  | X |
| K16V05Q | 20.1 | 0.15 | K194R | 287.917 | 335.420 | 78.310  | 4.520  | 0.48946 | 2.13798 | 2  | X |
| K16V16D | 17.2 | 0.15 | K194R | 18.944  | 342.683 | 306.608 | 6.447  | 0.11676 | 2.27649 | 11 | X |
| K16V21G | 17.2 | 0.15 | K194R | 240.149 | 320.807 | 144.301 | 9.712  | 0.03533 | 2.36546 | 9  | X |
| K16W54D | 17.2 | 0.15 | K194R | 307.198 | 261.994 | 91.461  | 7.829  | 0.14779 | 2.32126 | 8  | X |
| K16Y13W | 16.8 | 0.15 | K194R | 104.364 | 137.935 | 98.397  | 11.909 | 0.08630 | 2.55221 | 7  | X |
| K17A24U | 17.0 | 0.15 | K194R | 218.403 | 80.945  | 52.750  | 15.714 | 0.04591 | 2.64371 | 8  | X |
| K17BA1L | 17.4 | 0.15 | K194R | 318.459 | 291.937 | 124.696 | 7.291  | 0.09338 | 2.30934 | 9  | X |
| K17BD6R | 17.6 | 0.15 | K194R | 266.077 | 301.866 | 140.755 | 7.351  | 0.08788 | 2.38121 | 7  | X |
| K17D12D | 16.7 | 0.15 | K194R | 40.285  | 204.311 | 99.914  | 10.201 | 0.10992 | 2.57459 | 9  | X |
| K17D16O | 15.4 | 0.15 | K194R | 47.204  | 217.399 | 37.043  | 16.441 | 0.05256 | 3.18010 | 3  | X |
| K17D21G | 17.4 | 0.15 | K194R | 312.279 | 48.044  | 325.695 | 12.859 | 0.16824 | 2.53715 | 7  | X |
| K17D30S | 17.3 | 0.15 | K194R | 39.716  | 144.488 | 159.103 | 13.845 | 0.17031 | 2.57693 | 9  | X |
| K17D36H | 16.7 | 0.15 | K194R | 269.906 | 286.388 | 133.615 | 24.075 | 0.29242 | 2.54923 | 7  | X |
| K17D42W | 17.9 | 0.15 | K194R | 244.123 | 0.944   | 110.686 | 7.753  | 0.11746 | 2.36649 | 8  | X |
| K17D79P | 17.4 | 0.15 | K194R | 267.351 | 295.711 | 157.048 | 12.910 | 0.11860 | 2.35135 | 4  | X |
| K17D87M | 17.0 | 0.15 | K194R | 205.512 | 68.093  | 74.504  | 12.294 | 0.02983 | 2.52437 | 4  | X |
| K17D89L | 16.7 | 0.15 | K194R | 216.690 | 183.442 | 298.678 | 13.035 | 0.13486 | 2.55672 | 3  | X |
| K17D95S | 17.1 | 0.15 | K194R | 305.678 | 125.585 | 267.439 | 5.082  | 0.11677 | 2.64093 | 7  | X |
| K17DA0N | 16.5 | 0.15 | K194R | 34.599  | 346.286 | 305.613 | 8.441  | 0.09413 | 3.07116 | 10 | X |
| K17DA6F | 18.0 | 0.15 | K194R | 250.885 | 136.406 | 332.679 | 6.794  | 0.25730 | 2.33855 | 5  | X |
| K17DB0N | 15.2 | 0.15 | K194R | 79.202  | 320.951 | 281.149 | 13.340 | 0.13894 | 3.20338 | 8  | X |
| K17DB8G | 15.6 | 0.15 | K194R | 64.697  | 324.360 | 293.636 | 9.215  | 0.14465 | 3.07006 | 7  | X |
| K17DB8S | 15.8 | 0.15 | K194R | 99.753  | 335.107 | 250.504 | 13.958 | 0.09241 | 3.02534 | 8  | X |
| K17DB9P | 16.8 | 0.15 | K194R | 331.841 | 238.060 | 143.077 | 15.327 | 0.13550 | 2.54858 | 7  | X |
| K17DC0T | 16.9 | 0.15 | K194R | 319.396 | 102.783 | 265.101 | 10.152 | 0.07222 | 2.73403 | 8  | X |
| K17DC2T | 17.1 | 0.15 | K194R | 2.453   | 267.173 | 83.040  | 12.886 | 0.05437 | 2.64850 | 5  | X |
| K17E21A | 16.5 | 0.15 | K194R | 344.045 | 291.091 | 75.955  | 15.225 | 0.13473 | 2.58756 | 6  | X |
| K17E23V | 16.6 | 0.15 | K194R | 59.455  | 150.812 | 154.844 | 12.560 | 0.02746 | 2.91479 | 8  | X |
| K17F05E | 16.9 | 0.15 | K194R | 330.117 | 237.197 | 140.303 | 8.193  | 0.06492 | 2.60111 | 7  | X |
| K17F09V | 16.3 | 0.15 | K194R | 346.773 | 290.722 | 67.453  | 14.448 | 0.17916 | 2.70039 | 9  | X |
| K17F11M | 17.1 | 0.15 | K194R | 299.056 | 63.387  | 332.953 | 12.672 | 0.07060 | 2.65313 | 5  | X |
| K17F43H | 16.4 | 0.15 | K194R | 115.931 | 136.812 | 108.251 | 10.234 | 0.11273 | 2.76262 | 11 | X |
| K17F52N | 16.3 | 0.15 | K194R | 52.352  | 172.429 | 131.844 | 10.277 | 0.06337 | 2.89528 | 9  | X |
| K17F53D | 15.0 | 0.15 | K194R | 14.628  | 240.573 | 94.769  | 18.002 | 0.22190 | 3.13927 | 10 | X |
| K17F68B | 16.7 | 0.15 | K194R | 110.508 | 144.167 | 93.431  | 8.367  | 0.04151 | 2.69622 | 9  | X |
| K17F70F | 16.5 | 0.15 | K194R | 228.423 | 127.608 | 346.819 | 15.183 | 0.06933 | 2.60704 | 9  | X |
| K17F95C | 17.2 | 0.15 | K194R | 242.532 | 329.879 | 162.226 | 15.626 | 0.13742 | 2.54495 | 6  | X |

|         |      |      |       |         |         |         |        |         |          |    |   |
|---------|------|------|-------|---------|---------|---------|--------|---------|----------|----|---|
| K17F97P | 17.1 | 0.15 | K194R | 241.227 | 318.039 | 163.588 | 13.651 | 0.12282 | 2.55109  | 8  | X |
| K17FA4P | 16.6 | 0.15 | K194R | 45.386  | 114.087 | 181.106 | 17.366 | 0.17757 | 3.09731  | 5  | X |
| K17FD2B | 16.9 | 0.15 | K194R | 316.766 | 227.654 | 177.463 | 22.164 | 0.05928 | 2.57627  | 5  | X |
| K17H42Q | 16.4 | 0.15 | K194R | 292.189 | 330.238 | 101.319 | 12.742 | 0.08849 | 3.03707  | 7  | X |
| K17H48N | 16.9 | 0.15 | K194R | 224.190 | 332.354 | 185.907 | 16.265 | 0.17068 | 2.55496  | 8  | X |
| K17H62X | 16.5 | 0.15 | K194R | 357.852 | 251.574 | 117.167 | 11.562 | 0.07094 | 3.11245  | 3  | X |
| K17U51X | 10.9 | 0.15 | K194R | 352.726 | 255.032 | 217.794 | 90.517 | 0.74717 | 30.11151 | 5  | X |
| K18B02Y | 20.5 | 0.15 | K194R | 189.500 | 330.159 | 202.477 | 8.993  | 0.38150 | 1.64087  | 2  | V |
| K18L08F | 16.7 | 0.15 | K194R | 22.739  | 220.039 | 95.522  | 13.618 | 0.13510 | 2.71314  | 10 | X |
| K19A09S | 20.8 | 0.15 | K194R | 250.285 | 169.550 | 131.126 | 37.051 | 0.08046 | 1.41228  | 2  | V |
| K19A09Y | 21.2 | 0.15 | K194R | 128.339 | 226.427 | 143.856 | 11.976 | 0.46239 | 1.29621  | 2  | V |
| K19F01J | 22.0 | 0.15 | K194R | 22.062  | 126.409 | 49.358  | 11.223 | 0.26371 | 1.55731  | 2  | V |
| K19G03T | 21.0 | 0.15 | K194R | 333.595 | 69.538  | 225.343 | 2.332  | 0.61952 | 2.36811  | 2  | X |
| K19N06O | 16.7 | 0.15 | K194R | 335.521 | 61.648  | 310.957 | 29.887 | 0.31166 | 2.56378  | 6  | X |
| K19R03F | 17.1 | 0.15 | K194R | 319.357 | 74.814  | 306.813 | 15.275 | 0.27788 | 2.54235  | 3  | X |
| K19S00A | 17.6 | 0.15 | K194R | 313.593 | 35.827  | 329.074 | 24.928 | 0.25941 | 2.26405  | 4  | X |
| K19S09D | 18.4 | 0.15 | K194R | 308.873 | 239.531 | 179.385 | 19.451 | 0.36592 | 2.74770  | 5  | X |
| K19T07W | 19.2 | 0.15 | K194R | 220.108 | 165.519 | 298.581 | 20.866 | 0.14855 | 1.84496  | 4  | X |

New perturbed one-opposition orbits:

| Object  | H    | G    | Epoch | M       | Peri.   | Node    | Incl.  | e       | a        | Arc | C |
|---------|------|------|-------|---------|---------|---------|--------|---------|----------|-----|---|
| K18F04A | 25.4 | 0.15 | K194R | 105.060 | 139.761 | 356.196 | 13.096 | 0.63273 | 2.55884  | 28  | X |
| K19J01F | 23.6 | 0.15 | K194R | 277.488 | 55.924  | 271.590 | 1.590  | 0.22531 | 1.26560  | 165 | X |
| K19J02P | 19.5 | 0.15 | K194R | 333.900 | 68.128  | 226.432 | 27.580 | 0.57076 | 2.28392  | 166 | X |
| K19K04Q | 17.6 | 0.15 | K194R | 317.512 | 133.064 | 229.790 | 26.561 | 0.39539 | 2.28819  | 139 | X |
| K19M00B | 15.0 | 0.15 | K194R | 190.959 | 240.950 | 264.462 | 30.956 | 0.00889 | 3.19695  | 119 | X |
| K19M00X | 17.4 | 0.15 | K194R | 324.617 | 112.975 | 253.135 | 27.641 | 0.40622 | 2.60971  | 137 | X |
| K19N03H | 17.8 | 0.15 | K194R | 340.525 | 315.533 | 2.006   | 7.213  | 0.33758 | 2.42981  | 105 | X |
| K19N06T | 20.5 | 0.15 | K194R | 311.205 | 322.160 | 50.001  | 6.673  | 0.42379 | 2.20148  | 93  | X |
| K19O01L | 22.0 | 0.15 | K194R | 271.150 | 141.145 | 221.982 | 10.645 | 0.28836 | 1.46416  | 85  | X |
| K19O05B | 17.0 | 0.15 | K194R | 340.803 | 6.963   | 345.375 | 15.364 | 0.48064 | 2.96827  | 79  | X |
| K19Q01Y | 20.8 | 0.15 | K194R | 281.225 | 156.822 | 236.082 | 27.408 | 0.47011 | 1.74755  | 73  | X |
| K19R04N | 19.6 | 0.15 | K194R | 320.050 | 289.812 | 68.362  | 24.130 | 0.45563 | 2.25121  | 37  | X |
| K19S00M | 20.8 | 0.15 | K194R | 320.428 | 164.788 | 209.286 | 19.333 | 0.53979 | 2.56026  | 29  | X |
| K19S00O | 24.4 | 0.15 | K194R | 292.692 | 349.156 | 4.630   | 1.483  | 0.34473 | 1.67476  | 29  | X |
| K19S00Z | 20.8 | 0.15 | K194R | 334.798 | 310.677 | 10.156  | 21.205 | 0.54743 | 2.56772  | 29  | X |
| K19S02Z | 19.7 | 0.15 | K194R | 284.441 | 155.543 | 222.430 | 22.462 | 0.24863 | 1.68376  | 25  | X |
| K19S03F | 23.9 | 0.15 | K194R | 311.899 | 181.870 | 166.821 | 1.512  | 0.47268 | 2.02760  | 30  | X |
| K19S03U | 27.2 | 0.15 | K194R | 257.621 | 322.694 | 5.118   | 1.162  | 0.09267 | 1.09352  | 24  | X |
| K19S04V | 21.3 | 0.15 | K194R | 265.360 | 17.467  | 210.082 | 12.075 | 0.65390 | 0.97078  | 21  | X |
| K19S05V | 21.5 | 0.15 | K194R | 324.823 | 349.527 | 9.879   | 10.680 | 0.52854 | 2.65158  | 21  | X |
| K19S07C | 21.5 | 0.15 | K194R | 267.943 | 87.789  | 344.417 | 10.875 | 0.32408 | 1.83168  | 19  | X |
| K19S07K | 22.8 | 0.15 | K194R | 52.098  | 332.434 | 196.405 | 17.821 | 0.27602 | 0.96550  | 19  | X |
| K19S07M | 21.2 | 0.15 | K194R | 337.416 | 200.142 | 34.963  | 12.193 | 0.43498 | 1.19600  | 20  | X |
| K19S08F | 23.3 | 0.15 | K194R | 314.297 | 115.498 | 209.079 | 3.861  | 0.48316 | 1.90100  | 18  | X |
| K19S08J | 24.5 | 0.15 | K194R | 258.657 | 216.132 | 199.199 | 8.277  | 0.37037 | 1.56420  | 18  | X |
| K19S08U | 21.8 | 0.15 | K194R | 279.211 | 177.816 | 290.923 | 7.352  | 0.65864 | 2.04551  | 18  | X |
| K19S08V | 20.3 | 0.15 | K194R | 241.065 | 150.426 | 350.489 | 14.863 | 0.64937 | 1.67272  | 19  | X |
| K19S09E | 25.0 | 0.15 | K194R | 263.010 | 143.052 | 203.506 | 3.285  | 0.19097 | 1.25523  | 110 | X |
| K19S09T | 20.6 | 0.15 | K194R | 240.445 | 295.574 | 190.989 | 29.821 | 0.60680 | 1.66703  | 43  | X |
| K19S10P | 22.7 | 0.15 | K194R | 301.426 | 347.847 | 46.801  | 7.974  | 0.41938 | 2.17956  | 23  | X |
| K19T00L | 24.2 | 0.15 | K194R | 295.455 | 166.679 | 202.312 | 6.226  | 0.41839 | 1.83210  | 16  | X |
| K19T00O | 21.5 | 0.15 | K194R | 248.094 | 215.734 | 192.721 | 24.314 | 0.27014 | 1.52617  | 16  | X |
| K19T01M | 24.2 | 0.15 | K194R | 296.504 | 281.640 | 8.058   | 12.650 | 0.17739 | 1.18558  | 14  | X |
| K19T01P | 21.0 | 0.15 | K194R | 145.086 | 126.229 | 12.078  | 25.191 | 0.26921 | 1.29528  | 14  | X |
| K19T01V | 26.0 | 0.15 | K194R | 265.217 | 304.077 | 17.421  | 16.775 | 0.07937 | 1.09648  | 12  | X |
| K19T02A | 24.9 | 0.15 | K194R | 59.324  | 127.192 | 28.401  | 9.501  | 0.20928 | 0.94332  | 18  | X |
| K19T02F | 26.4 | 0.15 | K194R | 116.404 | 300.917 | 173.891 | 2.411  | 0.08020 | 1.04397  | 18  | X |
| K19T02Q | 24.8 | 0.15 | K194R | 318.088 | 44.592  | 22.951  | 8.473  | 0.67408 | 2.88254  | 12  | X |
| K19T02R | 23.3 | 0.15 | K194R | 289.831 | 62.683  | 24.613  | 12.703 | 0.60456 | 2.14107  | 12  | X |
| K19T04A | 20.2 | 0.15 | K194R | 333.793 | 78.047  | 209.071 | 27.543 | 0.68401 | 2.35400  | 10  | X |
| K19T04B | 24.1 | 0.15 | K194R | 272.878 | 156.206 | 199.546 | 15.293 | 0.19539 | 1.38500  | 10  | X |
| K19T04C | 23.2 | 0.15 | K194R | 216.778 | 215.574 | 205.261 | 22.292 | 0.15517 | 1.29737  | 10  | X |
| K19T04L | 19.2 | 0.15 | K194R | 303.060 | 263.919 | 220.556 | 15.956 | 0.68161 | 3.03015  | 18  | X |
| K19T04N | 23.2 | 0.15 | K194R | 328.576 | 53.991  | 224.230 | 2.719  | 0.25581 | 1.38012  | 10  | X |
| K19T05K | 27.5 | 0.15 | K194R | 125.300 | 261.242 | 216.631 | 1.313  | 0.20093 | 1.02944  | 9   | X |
| K19T05P | 25.2 | 0.15 | K194R | 275.823 | 262.134 | 204.993 | 8.765  | 0.66047 | 1.88628  | 10  | X |
| K19T07M | 23.9 | 0.15 | K194R | 273.164 | 94.525  | 32.578  | 8.378  | 0.73508 | 1.84622  | 10  | X |
| K19T07X | 13.4 | 0.15 | K194R | 0.446   | 24.245  | 344.163 | 4.967  | 0.73199 | 25.38792 | 16  | B |

New one-opposition orbits:

| Object  | H    | G    | Epoch | M       | Peri.   | Node    | Incl.  | e       | a       | Arc | C |
|---------|------|------|-------|---------|---------|---------|--------|---------|---------|-----|---|
| K19L07A | 20.2 | 0.15 | K1966 | 346.497 | 225.689 | 72.346  | 3.518  | 0.35631 | 2.15024 | 26  | W |
| K19T07V | 17.0 | 0.15 | K19A4 | 357.302 | 126.244 | 270.026 | 30.095 | 0.29465 | 2.66015 | 9   | B |
| K19T07Y | 17.2 | 0.15 | K19A4 | 350.133 | 45.504  | 26.861  | 27.618 | 0.43074 | 3.16948 | 7   | B |

New observations:

|         |        |    |             |    |       |       |     |      |      |      |            |
|---------|--------|----|-------------|----|-------|-------|-----|------|------|------|------------|
| K01Q34C | KC2019 | 10 | 03.91710022 | 33 | 27.53 | +26   | 25  | 50.7 |      |      | qEU011160  |
| K01Q34C | KC2019 | 10 | 03.91905922 | 33 | 27.19 | +26   | 25  | 48.5 | 18.6 |      | RqEU011160 |
| K01Q34C | KC2019 | 10 | 03.92100122 | 33 | 26.92 | +26   | 25  | 48.4 | 18.0 |      | RqEU011160 |
| K05W00D | KC2019 | 10 | 17.14420    | 18 | 39    | 11.70 | +48 | 13   | 17.8 | 20.8 | RoEU011291 |
| K05W00D | KC2019 | 10 | 17.16297    | 18 | 39    | 14.66 | +48 | 13   | 14.0 | 21.0 | RoEU011291 |
| K06R01J | pC2019 | 10 | 16.86424700 | 25 | 32.80 | -04   | 34  | 52.2 | 20.6 |      | GVEU011L01 |
| K06R01J | KC2019 | 10 | 16.86778600 | 25 | 32.09 | -04   | 34  | 55.0 | 20.6 |      | GVEU011L01 |
| K06R01J | KC2019 | 10 | 16.87131500 | 25 | 31.38 | -04   | 34  | 57.6 | 20.6 |      | GVEU011L01 |
| K08S00E | C2019  | 10 | 11.46477    | 06 | 53    | 57.16 | +18 | 17   | 59.2 | 21.5 | GVEU011G96 |
| K08S00E | C2019  | 10 | 11.46989    | 06 | 53    | 57.75 | +18 | 17   | 54.7 | 21.0 | GVEU011G96 |
| K08S00E | C2019  | 10 | 11.47499    | 06 | 53    | 58.35 | +18 | 17   | 50.6 | 22.2 | GVEU011G96 |
| K10U07H | KC2019 | 10 | 04.02436802 | 03 | 55.55 | +21   | 05  | 59.4 | 17.2 |      | RqEU011160 |
| K10U07H | KC2019 | 10 | 04.02647902 | 03 | 55.53 | +21   | 06  | 06.4 | 17.7 |      | RqEU011160 |
| K10U07H | KC2019 | 10 | 04.02832402 | 03 | 55.49 | +21   | 06  | 12.3 | 17.4 |      | RqEU011160 |
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|---------|--------|----|-------------|----|-------|-------|-----|------|------|-------|------------|
| K19T01P | KC2019 | 10 | 17.18664    | 23 | 15    | 10.25 | -05 | 43   | 33.4 | 21.1  | RoEU011691 |
| K19T01V | C2019  | 10 | 17.22647    | 00 | 08    | 49.82 | +34 | 01   | 34.9 | 21.1  | GVEU011I52 |
| K19T01V | C2019  | 10 | 17.23064    | 00 | 08    | 46.95 | +34 | 02   | 14.7 | 20.9  | GVEU011I52 |
| K19T01V | C2019  | 10 | 17.23481    | 00 | 08    | 44.25 | +34 | 02   | 54.5 | 20.4  | GVEU011I52 |
| K19T01V | C2019  | 10 | 17.23897    | 00 | 08    | 41.32 | +34 | 03   | 31.1 |       | VEU011I52  |
| K19T02A | KC2019 | 10 | 17.30029    | 00 | 31    | 17.03 | -15 | 43   | 20.5 | 20.0  | RoEU011691 |
| K19T02A | KC2019 | 10 | 17.32180    | 00 | 31    | 00.76 | -15 | 42   | 19.4 | 20.2  | RoEU011691 |
| K19T02A | KC2019 | 10 | 17.34310    | 00 | 30    | 44.66 | -15 | 41   | 17.3 | 20.8  | RoEU011691 |
| K19T02F | KC2019 | 10 | 17.18274    | 00 | 25    | 38.90 | -22 | 20   | 19.1 | 21.3  | RoEU011291 |
| K19T02F | KC2019 | 10 | 17.19694    | 00 | 25    | 36.82 | -22 | 21   | 14.9 | 20.4  | RoEU011291 |
| K19T02F | KC2019 | 10 | 17.21116    | 00 | 25    | 34.69 | -22 | 22   | 08.8 | 21.0  | RoEU011291 |
| K19T02Q | KC2019 | 10 | 17.24697    | 00 | 53    | 08.61 | +05 | 07   | 23.7 | 19.5  | RoEU011691 |
| K19T02Q | KC2019 | 10 | 17.26385    | 00 | 53    | 09.87 | +05 | 10   | 20.4 | 19.7  | RoEU011691 |
| K19T02Q | KC2019 | 10 | 17.28206    | 00 | 53    | 11.25 | +05 | 13   | 31.2 | 19.5  | RoEU011691 |
| K19T02R | KC2019 | 10 | 17.20858    | 00 | 06    | 18.27 | -08 | 38   | 52.2 | 19.8  | RoEU011691 |
| K19T02R | KC2019 | 10 | 17.22477    | 00 | 06    | 11.05 | -08 | 37   | 52.1 | 19.7  | RoEU011691 |
| K19T02R | KC2019 | 10 | 17.24095    | 00 | 06    | 03.83 | -08 | 36   | 51.7 | 19.3  | RoEU011691 |
| K19T04A | C2019  | 10 | 17.28271    | 01 | 27    | 54.94 | +18 | 54   | 11.7 | 18.9  | GVEU011I52 |
| K19T04A | C2019  | 10 | 17.28327    | 01 | 27    | 54.90 | +18 | 54   | 09.0 | 19.4  | GVEU011I52 |
| K19T04A | C2019  | 10 | 17.28439    | 01 | 27    | 54.81 | +18 | 54   | 03.2 | 19.7  | GVEU011I52 |
| K19T04B | C2019  | 10 | 17.25781    | 00 | 57    | 23.55 | -00 | 01   | 03.4 | 20.2  | GVEU011I52 |
| K19T04B | C2019  | 10 | 17.25989    | 00 | 57    | 23.88 | -00 | 01   | 16.5 | 20.8  | GVEU011I52 |
| K19T04B | C2019  | 10 | 17.26197    | 00 | 57    | 24.14 | -00 | 01   | 29.9 | 19.7  | GVEU011I52 |
| K19T04B | KC2019 | 10 | 17.36603    | 00 | 57    | 39.00 | -00 | 11   | 57.3 |       | oEU011691  |
| K19T04B | KC2019 | 10 | 17.38732    | 00 | 57    | 42.18 | -00 | 14   | 05.2 |       | oEU011691  |
| K19T04C | C2019  | 10 | 17.32660    | 01 | 20    | 05.37 | +15 | 13   | 22.4 | 19.5  | GVEU011I52 |
| K19T04C | C2019  | 10 | 17.32716    | 01 | 20    | 05.41 | +15 | 13   | 18.8 |       | VEU011I52  |
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| K19T04L | C2019  | 10 | 17.30764    | 00 | 58    | 59.84 | +17 | 57   | 16.1 | 21.1  | GVEU011I52 |
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| K19T04N | KC2019 | 10 | 17.33622    | 00 | 57    | 49.96 | +10 | 17   | 24.9 | 22.1  | RoEU011291 |
| K19T04N | KC2019 | 10 | 17.35580    | 00 | 57    | 48.29 | +10 | 17   | 05.0 | 22.2  | RoEU011291 |
| K19T05K | KC2019 | 10 | 17.01348603 | 17 | 44.03 | +51   | 21  | 04.4 |      | 18.6  | GVEU011J95 |
| K19T05K | KC2019 | 10 | 17.02260603 | 18 | 09.96 | +51   | 26  | 19.5 |      | 18.7  | GVEU011J95 |
| K19T05K | KC2019 | 10 | 17.03235703 | 18 | 37.88 | +51   | 31  | 56.2 |      | 18.7  | GVEU011J95 |
| K19T05K | KC2019 | 10 | 17.04167203 | 19 | 04.71 | +51   | 37  | 17.2 |      | 18.9  | GVEU011J95 |
| K19T05P | C2019  | 10 | 17.09640    | 21 | 05    | 56.48 | +03 | 37   | 30.6 | 18.9  | GVEU011I52 |
| K19T05P | C2019  | 10 | 17.09762    | 21 | 05    | 50.67 | +03 | 36   | 53.4 | 18.9  | GVEU011I52 |
| K19T05P | C2019  | 10 | 17.09883    | 21 | 05    | 44.93 | +03 | 36   | 15.8 | 17.9  | GVEU011I52 |
| K19T05P | C2019  | 10 | 17.10005    | 21 | 05    | 39.07 | +03 | 35   | 38.9 | 19.3  | GVEU011I52 |
| K19T05P | KC2019 | 10 | 17.16936    | 21 | 00    | 03.29 | +02 | 59   | 33.5 |       | oEU011291  |
| K19T05P | KC2019 | 10 | 17.17064    | 20 | 59    | 57.07 | +02 | 58   | 52.9 | 19.1  | RoEU011291 |
| K19T05P | KC2019 | 10 | 17.17184    | 20 | 59    | 51.14 | +02 | 58   | 13.9 | 19.1  | RoEU011291 |
| K19T06L | KC2019 | 10 | 17.16436    | 01 | 12    | 24.05 | +10 | 24   | 13.8 | 18.9  | GVEU011H36 |
| K19T06L | KC2019 | 10 | 17.17931    | 01 | 12    | 18.52 | +10 | 22   | 18.7 | 19.5  | GVEU011H36 |
| K19T06L | KC2019 | 10 | 17.18436    | 01 | 12    | 16.60 | +10 | 21   | 38.4 | 19.4  | GVEU011H36 |
| K19T06L | C2019  | 10 | 17.26361    | 01 | 11    | 47.54 | +10 | 11   | 23.6 | 19.5  | GVEU011I52 |
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| K19T06L | C2019  | 10 | 17.26555    | 01 | 11    | 46.81 | +10 | 11   | 08.8 | 19.3  | GVEU011I52 |
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| K19T06L | C2019  | 10 | 17.28694    | 01 | 11    | 38.71 | +10 | 08   | 20.9 | 19.4  | GVEU011I52 |
| K19T06L | C2019  | 10 | 17.28840    | 01 | 11    | 38.19 | +10 | 08   | 09.5 | 19.0  | GVEU011I52 |
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| K19T07M | KC2019 | 10 | 16.49112    | 05 | 02    | 26.05 | -10 | 37   | 10.4 | 18.1  | RoEU011291 |
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| K19T07M | ,C2019 | 10 | 16.64041    | 05 | 10    | 51.81 | -11 | 04   | 24.9 | 18.3  | RoEU011E10 |
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| 01620   | C2019  | 10 | 16.24779421 | 15 | 18.38 | +03   | 58  | 20.1 |      | 15.79 | oVEU011T08 |
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| 02059   | C2019  | 10 | 15.06121621 | 24 | 34.04 | -05   | 26  | 39.3 |      | 16.6  | VuEU011H21 |
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| 02100   | C2019  | 10 | 15.85764    | 21 | 56    | 35.28 | -41 | 02   | 04.4 | 14.7  | RoEU011K95 |
| 02100   | C2019  | 10 | 15.86266    | 21 | 56    | 34.24 | -41 | 02   | 13.2 | 14.7  | RoEU011K95 |
| 02100   | C2019  | 10 | 15.88469    | 21 | 56    | 29.51 | -41 | 02   | 53.4 | 14.7  | RoEU011K95 |
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| 03102   | KC2019 | 10 | 04.12739104 | 45 | 48.21 | +10   | 11  | 33.7 |      | 17.2  | RqEU011160 |
| 03102   | KC2019 | 10 | 04.12928604 | 45 | 48.25 | +10   | 11  | 31.4 |      |       | qEU011160  |
| 03102   | KC2019 | 10 | 04.13110904 | 45 | 48.27 | +10   | 11  | 30.3 |      | 17.6  | RqEU011160 |
| 03102   | C2019  | 10 | 13.44177004 | 45 | 40.79 | +08   | 21  | 42.6 |      | 17.01 | rUEU011I41 |
| 03102   | C2019  | 10 | 13.50420004 | 45 | 39.46 | +08   | 20  | 58.4 |      | 17.69 | gUEU011I41 |
| 03102   | C2019  | 10 | 16.31775004 | 44 | 38.97 | +07   | 47  | 59.4 |      | 17.82 | gUEU011I41 |
| 03102   | C2019  | 10 | 16.37956004 | 44 | 37.13 | +07   | 47  | 16.4 |      | 17.05 | rUEU011I41 |
| 03200   | C2019  | 10 | 15.21475602 | 00 | 41.92 | +51   | 30  | 32.6 |      | 16.6  | VuEU011H21 |
| 03200   | C2019  | 10 | 15.21650502 | 00 | 41.40 | +51   | 30  | 30.5 |      | 16.5  | VuEU011H21 |
| 03200   | C2019  | 10 | 15.21825302 | 00 | 40.90 | +51   | 30  | 28.4 |      | 16.5  | VuEU011H21 |
| 03200   | C2019  | 10 | 15.22000202 | 00 | 40.38 | +51   | 30  | 26.3 |      | 16.5  | VuEU011H21 |
| 03200   | C2019  | 10 | 15.22175102 | 00 | 39.88 | +51   | 30  | 24.2 |      | 16.4  | VuEU011H21 |
| 03200   | C2019  | 10 | 15.22351802 | 00 | 39.39 | +51   | 30  | 22.0 |      | 16.3  | VuEU011H21 |

|       |        |    |             |    |       |        |     |      |       |            |            |
|-------|--------|----|-------------|----|-------|--------|-----|------|-------|------------|------------|
| 04183 | KC2019 | 10 | 03.95737300 | 30 | 53.73 | +14    | 08  | 26.4 | 17.9  | RqEU011160 |            |
| 04183 | KC2019 | 10 | 03.95943400 | 30 | 53.58 | +14    | 08  | 25.9 | 18.4  | RqEU011160 |            |
| 04183 | KC2019 | 10 | 03.96150000 | 30 | 53.45 | +14    | 08  | 24.7 | 16.8  | RqEU011160 |            |
| 04183 | C2019  | 10 | 16.44899    | 00 | 15    | 43.819 | +12 | 33   | 10.80 | 18.0       | iUEU011F51 |
| 04183 | C2019  | 10 | 16.51522    | 00 | 15    | 39.062 | +12 | 32   | 38.22 | 18.1       | iUEU011F51 |
| 04183 | C2019  | 10 | 16.54809    | 00 | 15    | 36.725 | +12 | 32   | 22.04 | 18.0       | iUEU011F51 |
| 06455 | KC2019 | 10 | 04.12026404 | 13 | 15.13 | +40    | 18  | 43.2 | 16.9  | RqEU011160 |            |
| 06455 | KC2019 | 10 | 04.12234604 | 13 | 15.12 | +40    | 18  | 45.7 | 16.4  | RqEU011160 |            |
| 06455 | KC2019 | 10 | 04.12417404 | 13 | 14.97 | +40    | 18  | 48.3 |       | qEU011160  |            |
| 07088 | C2019  | 10 | 11.48529    | 07 | 25    | 52.60  | +13 | 27   | 57.5  | 18.3       | GVEU011G96 |
| 07088 | C2019  | 10 | 11.49042    | 07 | 25    | 53.76  | +13 | 27   | 56.7  | 18.5       | GVEU011G96 |
| 07088 | C2019  | 10 | 11.49554    | 07 | 25    | 54.90  | +13 | 27   | 55.7  | 18.5       | GVEU011G96 |
| 07088 | C2019  | 10 | 11.50067    | 07 | 25    | 56.03  | +13 | 27   | 54.8  | 18.4       | GVEU011G96 |
| 09400 | C2019  | 10 | 17.22336    | 21 | 19    | 04.883 | -31 | 44   | 11.73 | 16.5       | wUEU011F51 |
| 09400 | C2019  | 10 | 17.23232    | 21 | 19    | 04.357 | -31 | 43   | 51.09 | 16.7       | wUEU011F51 |
| 09400 | C2019  | 10 | 17.25022    | 21 | 19    | 03.308 | -31 | 43   | 09.77 | 16.8       | wUEU011F51 |
| 18172 | C2019  | 10 | 15.13406901 | 35 | 43.93 | +57    | 21  | 05.3 | 15.81 | rUEU011I41 |            |
| 18172 | C2019  | 10 | 15.16369001 | 35 | 41.49 | +57    | 22  | 33.8 | 16.37 | gUEU011I41 |            |
| 18172 | C2019  | 10 | 15.20011101 | 35 | 37.53 | +57    | 24  | 23.5 | 16.2  | VuEU011H21 |            |
| 18172 | C2019  | 10 | 15.20186001 | 35 | 37.38 | +57    | 24  | 28.6 | 16.2  | VuEU011H21 |            |
| 18172 | C2019  | 10 | 15.20360901 | 35 | 37.22 | +57    | 24  | 33.7 | 16.0  | VuEU011H21 |            |
| 18172 | C2019  | 10 | 15.20535901 | 35 | 37.06 | +57    | 24  | 39.0 | 16.1  | VuEU011H21 |            |
| 18172 | C2019  | 10 | 15.20710801 | 35 | 36.92 | +57    | 24  | 44.1 | 16.2  | VuEU011H21 |            |
| 18172 | C2019  | 10 | 15.20885501 | 35 | 36.76 | +57    | 24  | 49.2 | 16.1  | VuEU011H21 |            |
| 18172 | C2019  | 10 | 15.21042201 | 35 | 36.62 | +57    | 24  | 53.8 | 16.0  | VuEU011H21 |            |
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| 18172 | C2019  | 10 | 15.21181601 | 35 | 36.49 | +57    | 24  | 57.9 | 16.2  | VuEU011H21 |            |
| 18172 | C2019  | 10 | 15.21820901 | 35 | 36.83 | +57    | 25  | 16.2 | 15.84 | rUEU011I41 |            |
| 18172 | C2019  | 10 | 16.59218601 | 33 | 41.97 | +58    | 31  | 43.9 | 15.66 | oVEU011T05 |            |
| 18172 | C2019  | 10 | 16.59511601 | 33 | 41.72 | +58    | 31  | 52.2 | 15.70 | oVEU011T05 |            |
| 18172 | C2019  | 10 | 16.60107801 | 33 | 41.16 | +58    | 32  | 08.9 | 15.69 | oVEU011T05 |            |
| 18172 | C2019  | 10 | 16.61252901 | 33 | 40.11 | +58    | 32  | 40.9 | 15.82 | oVEU011T05 |            |
| 30825 | C2019  | 10 | 11.48529    | 07 | 26    | 13.48  | +13 | 32   | 09.0  | 20.1       | GVEU011G96 |
| 30825 | C2019  | 10 | 11.49042    | 07 | 26    | 13.67  | +13 | 32   | 07.6  | 20.3       | GVEU011G96 |
| 30825 | C2019  | 10 | 11.49554    | 07 | 26    | 13.88  | +13 | 32   | 06.1  | 20.3       | GVEU011G96 |
| 30825 | C2019  | 10 | 11.50067    | 07 | 26    | 14.07  | +13 | 32   | 04.9  | 20.5       | GVEU011G96 |
| 35107 | C2019  | 10 | 16.54520808 | 13 | 49.61 | -03    | 31  | 52.5 | 18.15 | oVEU011T08 |            |
| 35107 | C2019  | 10 | 16.54814208 | 13 | 50.06 | -03    | 31  | 54.4 | 17.97 | oVEU011T08 |            |
| 35107 | C2019  | 10 | 16.55376808 | 13 | 50.94 | -03    | 31  | 58.4 | 18.38 | oVEU011T08 |            |
| 35107 | C2019  | 10 | 16.56372508 | 13 | 52.47 | -03    | 32  | 03.5 | 18.18 | oVEU011T08 |            |
| 52768 | C2019  | 10 | 16.42409007 | 35 | 50.02 | +27    | 17  | 28.9 | 19.79 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.42455007 | 35 | 50.03 | +27    | 17  | 28.0 | 19.83 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.42635007 | 35 | 50.20 | +27    | 17  | 28.4 | 19.76 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.43087007 | 35 | 50.63 | +27    | 17  | 28.9 | 19.51 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.43177007 | 35 | 50.72 | +27    | 17  | 28.5 | 19.84 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.44080007 | 35 | 51.57 | +27    | 17  | 28.2 | 19.98 | rUEU011I41 |            |
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| 52768 | C2019  | 10 | 16.44441007 | 35 | 51.90 | +27    | 17  | 28.6 | 19.98 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.44620007 | 35 | 52.06 | +27    | 17  | 28.5 | 19.97 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.44666007 | 35 | 52.09 | +27    | 17  | 28.8 | 20.05 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.44801007 | 35 | 52.20 | +27    | 17  | 28.4 | 20.09 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.44845907 | 35 | 52.25 | +27    | 17  | 28.6 | 19.95 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.44891007 | 35 | 52.31 | +27    | 17  | 28.5 | 20.03 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.45027007 | 35 | 52.42 | +27    | 17  | 28.8 | 19.75 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.45117007 | 35 | 52.50 | +27    | 17  | 28.9 | 19.96 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.45434007 | 35 | 52.82 | +27    | 17  | 28.3 | 20.06 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.45795007 | 35 | 53.15 | +27    | 17  | 28.6 | 19.97 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.45885007 | 35 | 53.24 | +27    | 17  | 28.7 | 19.79 | rUEU011I41 |            |
| 52768 | C2019  | 10 | 16.46110007 | 35 | 53.40 | +27    | 17  | 28.4 | 19.92 | rUEU011I41 |            |
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| 52768 | C2019  | 10 | 16.46743107 | 35 | 54.03 | +27    | 17  | 28.5 | 19.67 | rUEU011I41 |            |
| 66146 | C2019  | 10 | 17.23024    | 21 | 03    | 50.710 | -33 | 09   | 03.12 | 14.3       | wUEU011F52 |
| 66146 | C2019  | 10 | 17.25086    | 21 | 03    | 52.021 | -33 | 08   | 36.84 | 14.2       | wUEU011F52 |
| 85709 | C2019  | 10 | 16.40998523 | 47 | 18.17 | -02    | 56  | 33.2 | 18.25 | oVEU011T08 |            |
| 85709 | C2019  | 10 | 16.41387723 | 47 | 17.97 | -02    | 56  | 38.0 | 18.03 | oVEU011T08 |            |
| 85709 | C2019  | 10 | 16.41987623 | 47 | 17.67 | -02    | 56  | 44.3 | 18.84 | oVEU011T08 |            |
| 85709 | C2019  | 10 | 16.43016623 | 47 | 17.14 | -02    | 56  | 55.5 | 18.04 | oVEU011T08 |            |
| 85709 | C2019  | 10 | 17.32457    | 23 | 46    | 36.258 | -03 | 13   | 07.01 | 18.1       | iUEU011F52 |
| 85709 | C2019  | 10 | 17.33359    | 23 | 46    | 35.821 | -03 | 13   | 16.70 | 18.1       | iUEU011F52 |
| 85709 | C2019  | 10 | 17.34261    | 23 | 46    | 35.390 | -03 | 13   | 26.38 | 18.2       | iUEU011F52 |
| 85713 | C2019  | 10 | 16.39650423 | 28 | 33.16 | -15    | 38  | 27.4 | 18.95 | oVEU011T08 |            |
| 85713 | C2019  | 10 | 16.40028823 | 28 | 32.88 | -15    | 38  | 27.3 | 18.93 | oVEU011T08 |            |
| 85713 | C2019  | 10 | 16.40629823 | 28 | 32.38 | -15    | 38  | 28.8 | 18.56 | oVEU011T08 |            |
| 85713 | C2019  | 10 | 16.41664023 | 28 | 31.53 | -15    | 38  | 30.3 | 18.87 | oVEU011T08 |            |
| 85818 | KC2019 | 10 | 15.13823320 | 49 | 01.05 | +65    | 14  | 57.4 | 19.6  | VuEU011H21 |            |
| 85818 | KC2019 | 10 | 15.14038720 | 49 | 01.12 | +65    | 14  | 54.7 | 19.5  | VuEU011H21 |            |
| 85818 | KC2019 | 10 | 15.14254020 | 49 | 01.19 | +65    | 14  | 51.4 | 19.3  | VuEU011H21 |            |
| 85818 | KC2019 | 10 | 15.14469220 | 49 | 01.32 | +65    | 14  | 48.5 | 19.6  | VuEU011H21 |            |
| 85818 | KC2019 | 10 | 15.14684520 | 49 | 01.43 | +65    | 14  | 45.0 | 19.9  | VuEU011H21 |            |
| 85818 | KC2019 | 10 | 15.14899920 | 49 | 01.50 | +65    | 14  | 42.2 | 19.5  | VuEU011H21 |            |
| 87311 | C2019  | 10 | 11.48529    | 07 | 29    | 19.99  | +13 | 25   | 02.1  |            | VEU011G96  |
| 87311 | C2019  | 10 | 11.49042    | 07 | 29    | 21.02  | +13 | 24   | 56.7  | 19.0       | GVEU011G96 |
| 87311 | C2019  | 10 | 11.49554    | 07 | 29    | 22.06  | +13 | 24   | 52.3  | 19.0       | GVEU011G96 |
| 87311 | C2019  | 10 | 11.50067    | 07 | 29    | 23.10  | +13 | 24   | 47.8  | 18.9       | GVEU011G96 |
| 88959 | C2019  | 10 | 11.39735    | 03 | 30    | 53.48  | -00 | 41   | 33.8  | 19.2       | GVEU011G96 |
| 88959 | C2019  | 10 | 11.40291    | 03 | 30    | 52.75  | -00 | 41   | 30.0  | 18.9       | GVEU011G96 |
| 88959 | C2019  | 10 | 11.40846    | 03 | 30    | 52.05  | -00 | 41   | 26.0  | 19.3       | GVEU011G96 |
| 88959 | C2019  | 10 | 11.41399    | 03 | 30    | 51.34  | -00 | 41   | 22.1  | 19.2       | GVEU011G96 |
| 96536 | KC2019 | 10 | 03.95002700 | 29 | 45.23 | +15    | 08  | 23.2 | 17.7  | RqEU011160 |            |
| 96536 | KC2019 | 10 | 03.95214600 | 29 | 45.04 | +15    | 08  | 21.0 | 18.0  | RqEU011160 |            |

|       |        |    |             |    |       |        |     |      |       |            |            |
|-------|--------|----|-------------|----|-------|--------|-----|------|-------|------------|------------|
| 96536 | KC2019 | 10 | 03.95426000 | 29 | 44.90 | +15    | 08  | 18.9 | 18.1  | RqEU011160 |            |
| 96536 | C2019  | 10 | 16.43480    | 00 | 13    | 47.763 | +11 | 12   | 15.73 | 19.1       | iUEU011F51 |
| 96536 | C2019  | 10 | 16.44628    | 00 | 13    | 46.962 | +11 | 12   | 03.37 | 19.2       | iUEU011F51 |
| 96536 | C2019  | 10 | 16.51246    | 00 | 13    | 42.411 | +11 | 10   | 51.42 | 19.5       | iUEU011F51 |
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| D7084 | C2019  | 10 | 16.27527817 | 44 | 22.15 | +61    | 25  | 03.5 |       | 16.74      | oVEU011T05 |
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| D8325 | C2019  | 10 | 16.59955209 | 25 | 55.91 | -09    | 10  | 27.3 |       | 18.84      | oVEU011T08 |
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| D8325 | C2019  | 10 | 16.61033809 | 25 | 56.47 | -09    | 10  | 38.1 |       | 18.60      | oVEU011T08 |
| D8325 | C2019  | 10 | 16.62055009 | 25 | 56.92 | -09    | 10  | 46.2 |       | 18.73      | oVEU011T08 |
| E0333 | KC2019 | 10 | 03.99783201 | 14 | 10.53 | +07    | 47  | 40.9 |       |            | qEU011160  |
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| E0333 | KC2019 | 10 | 15.20414900 | 21 | 09.81 | +08    | 29  | 26.1 |       | 18.3       | VuEU011H21 |
| E0333 | KC2019 | 10 | 15.20565600 | 21 | 09.40 | +08    | 29  | 26.1 |       | 17.8       | VuEU011H21 |
| E0333 | KC2019 | 10 | 15.20716200 | 21 | 09.05 | +08    | 29  | 26.6 |       | 18.4       | VuEU011H21 |
| E0333 | KC2019 | 10 | 15.20859800 | 21 | 08.66 | +08    | 29  | 27.0 |       | 18.6       | VuEU011H21 |
| E0333 | KC2019 | 10 | 15.21003300 | 21 | 08.31 | +08    | 29  | 26.5 |       | 18.0       | VuEU011H21 |
| E0333 | KC2019 | 10 | 15.21154100 | 21 | 07.93 | +08    | 29  | 27.1 |       | 18.4       | VuEU011H21 |
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| E0333 | C2019  | 10 | 16.42357000 | 16 | 12.94 | +08    | 31  | 56.3 |       | 18.11      | oVEU011T08 |
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| E0333 | C2019  | 10 | 16.44454300 | 16 | 07.78 | +08    | 31  | 58.0 |       | 18.45      | oVEU011T08 |
| E1593 | KC2019 | 10 | 04.06050002 | 33 | 21.18 | +27    | 03  | 40.8 |       | 16.8       | RqEU011160 |
| E1593 | KC2019 | 10 | 04.06256502 | 33 | 20.81 | +27    | 03  | 37.1 |       | 16.4       | RqEU011160 |
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| E2563 | C2019  | 10 | 16.38698    | 23 | 03    | 09.584 | +08 | 51   | 03.71 | 19.9       | iUEU011F51 |
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| E3947 | C2019  | 10 | 16.56418508 | 51 | 15.56 | -00    | 19  | 11.0 |       | 18.34      | oVEU011T08 |
| E3947 | C2019  | 10 | 16.56757308 | 51 | 15.86 | -00    | 19  | 15.0 |       | 18.13      | oVEU011T08 |
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| E3947 | C2019  | 10 | 16.60384908 | 51 | 18.61 | -00    | 19  | 56.6 |       | 18.50      | oVEU011T08 |
| F2942 | C2019  | 10 | 16.39836223 | 25 | 46.76 | -06    | 47  | 26.6 |       | 18.30      | oVEU011T08 |
| F2942 | C2019  | 10 | 16.40121123 | 25 | 46.58 | -06    | 47  | 25.1 |       | 18.39      | oVEU011T08 |
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| F2942 | C2019  | 10 | 16.41756123 | 25 | 45.37 | -06    | 47  | 14.5 |       | 18.52      | oVEU011T08 |
| F2942 | C2019  | 10 | 17.32134    | 23 | 24    | 44.424 | -06 | 37   | 39.88 | 18.6       | iUEU011F52 |
| F2942 | C2019  | 10 | 17.33033    | 23 | 24    | 43.799 | -06 | 37   | 34.34 | 18.6       | iUEU011F52 |
| F2942 | C2019  | 10 | 17.33935    | 23 | 24    | 43.170 | -06 | 37   | 28.48 | 18.6       | iUEU011F52 |
| F2942 | C2019  | 10 | 17.34841    | 23 | 24    | 42.537 | -06 | 37   | 22.78 | 18.6       | iUEU011F52 |
| F9399 | C2019  | 10 | 13.40311004 | 55 | 34.11 | +04    | 44  | 32.0 |       | 18.91      | rUEU011I41 |
| G2082 | KC2019 | 10 | 15.12185321 | 04 | 18.19 | +72    | 52  | 13.2 |       | 15.9       | VuEU011H21 |
| G2082 | KC2019 | 10 | 15.12329021 | 04 | 20.70 | +72    | 52  | 11.1 |       | 15.9       | VuEU011H21 |
| G2082 | KC2019 | 10 | 15.12472721 | 04 | 23.19 | +72    | 52  | 09.1 |       | 15.9       | VuEU011H21 |
| G2082 | KC2019 | 10 | 15.12616221 | 04 | 25.71 | +72    | 52  | 07.0 |       | 15.9       | VuEU011H21 |
| G2082 | KC2019 | 10 | 15.12759721 | 04 | 28.22 | +72    | 52  | 04.9 |       | 15.9       | VuEU011H21 |
| G2082 | KC2019 | 10 | 15.12903421 | 04 | 30.74 | +72    | 52  | 02.9 |       | 15.8       | VuEU011H21 |
| G2082 | KC2019 | 10 | 15.13046921 | 04 | 33.24 | +72    | 52  | 00.8 |       | 15.9       | VuEU011H21 |
| G2082 | KC2019 | 10 | 15.13200121 | 04 | 35.94 | +72    | 51  | 58.5 |       | 15.9       | VuEU011H21 |
| G2082 | KC2019 | 10 | 15.83424821 | 27 | 13.07 | +72    | 31  | 43.1 |       | 15.6       | GVEU011Z80 |
| G2082 | KC2019 | 10 | 15.83656321 | 27 | 17.48 | +72    | 31  | 38.0 |       | 15.9       | GVEU011Z80 |
| G2082 | KC2019 | 10 | 15.83887721 | 27 | 21.89 | +72    | 31  | 32.6 |       | 15.5       | GVEU011Z80 |
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| G2082 | KC2019 | 10 | 15.84310221 | 27 | 29.82 | +72    | 31  | 23.1 |       | 15.6       | GVEU011Z80 |
| G2082 | KC2019 | 10 | 16.85568222 | 02 | 00.10 | +71    | 38  | 50.5 |       | 15.4       | GVEU011Z80 |
| G2082 | KC2019 | 10 | 16.85684022 | 02 | 02.46 | +71    | 38  | 45.6 |       | 15.4       | GVEU011Z80 |
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| G2082 | KC2019 | 10 | 16.85915522 | 02 | 07.02 | +71    | 38  | 36.3 |       | 15.8       | GVEU011Z80 |
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| G2181 | C2019  | 10 | 16.21991718 | 45 | 35.69 | +00    | 11  | 49.7 |       | 18.81      | oVEU011T08 |
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| G2181 | C2019  | 10 | 16.22907318 | 45 | 38.37 | +00    | 11  | 32.8 |       | 18.79      | oVEU011T08 |
| G2181 | C2019  | 10 | 16.24236418 | 45 | 42.25 | +00    | 11  | 07.3 |       | 18.91      | oVEU011T08 |
| G2273 | KC2019 | 10 | 04.06765102 | 36 | 36.71 | +38    | 17  | 44.0 |       |            | qEU011160  |
| G2273 | KC2019 | 10 | 04.06977402 | 36 | 36.57 | +38    | 17  | 42.3 |       | 17.1       | RqEU011160 |
| G2273 | KC2019 | 10 | 04.07190002 | 36 | 36.35 | +38    | 17  | 40.5 |       | 17.5       | RqEU011160 |
| G2723 | KC2019 | 10 | 15.25519303 | 16 | 19.27 | +33    | 22  | 15.7 |       | 18.7       | VuEU011H21 |
| G2723 | KC2019 | 10 | 15.25903203 | 16 | 19.12 | +33    | 22  | 19.7 |       | 18.6       | VuEU011H21 |
| G2723 | KC2019 | 10 | 15.26295703 | 16 | 18.96 | +33    | 22  | 23.8 |       | 18.5       | VuEU011H21 |
| G2723 | KC2019 | 10 | 15.26792903 | 16 | 18.73 | +33    | 22  | 29.1 |       | 18.5       | VuEU011H21 |
| H1486 | C2019  | 10 | 11.46757    | 06 | 51    | 31.25  | +14 | 33   | 12.7  | 21.0       | GVEU011G96 |
| H1486 | C2019  | 10 | 11.47268    | 06 | 51    | 32.05  | +14 | 33   | 10.2  | 20.8       | GVEU011G96 |
| H1486 | C2019  | 10 | 11.47778    | 06 | 51    | 32.84  | +14 | 33   | 07.1  | 20.5       | GVEU011G96 |
| L4088 | C2019  | 10 | 16.63730508 | 15 | 08.66 | +07    | 28  | 30.8 |       | 16.31      | oVEU011T08 |
| L4088 | C2019  | 10 | 16.64053008 | 15 | 08.92 | +07    | 28  | 34.4 |       | 16.32      | oVEU011T08 |
| L4088 | C2019  | 10 | 16.64525808 | 15 | 09.31 | +07    | 28  | 39.8 |       | 17.11      | oVEU011T08 |
| L8863 | C2019  | 10 | 16.62703909 | 41 | 14.84 | +03    | 45  | 15.1 |       | 18.54      | oVEU011T08 |
| L8863 | C2019  | 10 | 16.63090409 | 41 | 15.89 | +03    | 45  | 10.2 |       | 18.46      | oVEU011T08 |
| L8863 | C2019  | 10 | 16.63637909 | 41 | 17.40 | +03    | 45  | 04.4 |       | 18.26      | oVEU011T08 |
| L8863 | C2019  | 10 | 16.64192409 | 41 | 18.95 | +03    | 44  | 57.7 |       | 18.19      | oVEU011T08 |
| N7805 | C2019  | 10 | 16.27527817 | 35 | 40.32 | +63    | 22  | 24.4 |       | 18.15      | oVEU011T05 |
| N7805 | C2019  | 10 | 16.27896917 | 35 | 39.86 | +63    | 22  | 22.8 |       | 17.65      | oVEU011T05 |
| N7805 | C2019  | 10 | 16.28449217 | 35 | 39.24 | +63    | 22  | 21.0 |       | 17.69      | oVEU011T05 |



|       |        |    |             |    |       |       |     |      |                 |                 |
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| O3025 | C2019  | 10 | 16.48965006 | 10 | 00.82 | +40   | 57  | 25.3 | 16.54rUEU011I41 |                 |
| O3025 | C2019  | 10 | 16.49010006 | 10 | 00.90 | +40   | 57  | 24.6 | 16.58rUEU011I41 |                 |
| O3025 | C2019  | 10 | 16.54517206 | 10 | 10.74 | +40   | 56  | 06.3 | 16.36oVEU011T05 |                 |
| O3025 | C2019  | 10 | 16.54861106 | 10 | 11.28 | +40   | 56  | 01.3 | 16.45oVEU011T05 |                 |
| O3025 | C2019  | 10 | 16.55630706 | 10 | 12.56 | +40   | 55  | 50.3 | 16.41oVEU011T05 |                 |
| O3025 | C2019  | 10 | 16.56680806 | 10 | 14.25 | +40   | 55  | 35.1 | 16.43oVEU011T05 |                 |
| O8926 | KC2019 | 10 | 15.26105201 | 04 | 01.14 | +73   | 07  | 01.2 | 16.9 VuEU011H21 |                 |
| O8926 | KC2019 | 10 | 15.26248901 | 04 | 00.44 | +73   | 07  | 07.0 | 16.8 VuEU011H21 |                 |
| O8926 | KC2019 | 10 | 15.26392701 | 03 | 59.71 | +73   | 07  | 12.6 | 16.8 VuEU011H21 |                 |
| O8926 | KC2019 | 10 | 15.26536301 | 03 | 59.00 | +73   | 07  | 18.4 | 16.9 VuEU011H21 |                 |
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| O8926 | KC2019 | 10 | 15.26823501 | 03 | 57.60 | +73   | 07  | 30.0 | 16.9 VuEU011H21 |                 |
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| O8926 | KC2019 | 10 | 15.27110601 | 03 | 56.16 | +73   | 07  | 41.4 | 16.8 VuEU011H21 |                 |
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| O8926 | KC2019 | 10 | 15.27685901 | 03 | 53.34 | +73   | 08  | 04.5 | 16.7 VuEU011H21 |                 |
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| O8926 | C2019  | 10 | 16.57576800 | 52 | 56.82 | +74   | 32  | 41.1 | 16.54oVEU011T05 |                 |
| O8926 | C2019  | 10 | 16.58315600 | 52 | 52.69 | +74   | 33  | 08.0 | 16.64oVEU011T05 |                 |
| O8926 | C2019  | 10 | 16.59327100 | 52 | 47.12 | +74   | 33  | 45.0 | 17.49oVEU011T05 |                 |
| P2793 | C2019  | 10 | 16.44777501 | 03 | 31.64 | +04   | 06  | 18.0 | 16.89oVEU011T08 |                 |
| P2793 | C2019  | 10 | 16.45099201 | 03 | 29.64 | +04   | 06  | 39.8 | 16.64oVEU011T08 |                 |
| P2793 | C2019  | 10 | 16.45654501 | 03 | 26.21 | +04   | 07  | 17.2 | 17.25oVEU011T08 |                 |
| P2793 | C2019  | 10 | 16.46721801 | 03 | 19.59 | +04   | 08  | 29.6 | 16.76oVEU011T08 |                 |
| P4417 | C2019  | 10 | 16.23641216 | 37 | 00.83 | +42   | 08  | 04.3 | 18.23oVEU011T05 |                 |
| P4417 | C2019  | 10 | 16.23988316 | 37 | 01.28 | +42   | 08  | 11.4 | 18.36oVEU011T05 |                 |
| P4417 | C2019  | 10 | 16.24909716 | 37 | 02.51 | +42   | 08  | 30.8 | 18.44oVEU011T05 |                 |
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| R6397 | C2019  | 10 | 16.40198007 | 41 | 18.04 | +26   | 32  | 18.1 | 19.20rUEU011I41 |                 |
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| W6742 | KC2019 | 10 | 15.15870323 | 16 | 56.77 | +52   | 57  | 51.8 | 18.4 VuEU011H21 |                 |
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| W6742 | KC2019 | 10 | 15.16165123 | 16 | 56.27 | +52   | 57  | 51.7 | 18.5 VuEU011H21 |                 |
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| Z5770 | C2019  | 10 | 11.39128    | 03 | 19    | 09.93 | +00 | 55   | 01.7 | 20.4  | GVEU011G96 |
| b3428 | KC2019 | 10 | 03.98436701 | 11 | 32.98 | +06   | 01  | 50.6 |      | 17.7  | RqEU011160 |
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| b3428 | C2019  | 10 | 16.43714300 | 57 | 58.22 | -05   | 13  | 13.2 |      | 18.30 | oVEU011T08 |
| b3428 | C2019  | 10 | 16.44036900 | 57 | 57.96 | -05   | 13  | 25.0 |      | 18.36 | oVEU011T08 |
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| c0160 | KC2019 | 10 | 15.06687120 | 44 | 58.12 | -07   | 13  | 50.9 |      | 19.0  | VuEU011H21 |
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| c0160 | KC2019 | 10 | 15.07332620 | 44 | 59.25 | -07   | 13  | 45.0 |      | 19.0  | VuEU011H21 |
| c0160 | KC2019 | 10 | 15.07547320 | 44 | 59.63 | -07   | 13  | 43.3 |      | 19.0  | VuEU011H21 |
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| c0160 | C2019  | 10 | 16.32837520 | 48 | 44.40 | -06   | 55  | 57.8 |      | 18.80 | oVEU011T08 |
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| i2243 | KC2019 | 10 | 04.08870802 | 48 | 02.94 | +20   | 14  | 52.4 |      | 17.8  | RqEU011160 |
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| j8745 | KC2019 | 10 | 04.11357504 | 08 | 47.68 | -02   | 20  | 37.3 |      | 18.0  | RqEU011160 |
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| m1985 | KC2019 | 10 | 04.04591702 | 23 | 30.19 | +23   | 36  | 32.3 |      | 18.6  | RqEU011160 |
| m1985 | KC2019 | 10 | 04.04805802 | 23 | 30.06 | +23   | 36  | 27.2 |      | 17.7  | RqEU011160 |
| m1985 | KC2019 | 10 | 04.05018002 | 23 | 29.91 | +23   | 36  | 23.4 |      | 17.6  | RqEU011160 |
| n2143 | KC2019 | 10 | 03.90958722 | 32 | 52.08 | +12   | 57  | 48.9 |      | 17.3  | RqEU011160 |
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| n2143 | C2019  | 10 | 16.36003522 | 19 | 12.60 | +08   | 59  | 12.7 |      | 17.87 | oVEU011T08 |
| n2143 | C2019  | 10 | 16.36333322 | 19 | 12.45 | +08   | 59  | 07.8 |      | 18.20 | oVEU011T08 |
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| n2143 | C2019  | 10 | 16.38008722 | 19 | 11.54 | +08   | 58  | 47.1 |      | 17.72 | oVEU011T08 |
| n4880 | KC2019 | 10 | 04.09361402 | 41 | 08.67 | -01   | 42  | 57.6 |      | 17.7  | RqEU011160 |
| n4880 | KC2019 | 10 | 04.09574002 | 41 | 09.05 | -01   | 43  | 08.2 |      | 17.5  | RqEU011160 |
| n4880 | KC2019 | 10 | 04.09785802 | 41 | 09.35 | -01   | 43  | 19.3 |      | 17.2  | RqEU011160 |
| q4268 | C2019  | 10 | 11.39735    | 03 | 31    | 20.26 | -00 | 55   | 45.5 | 20.4  | GVEU011G96 |
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| q4268 | C2019  | 10 | 11.41399    | 03 | 31    | 17.94 | -00 | 55   | 55.5 | 20.4  | GVEU011G96 |

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