

| Replic n. | Sample name | Phase | Mass Spec | Acid Temp | Run  | d <sup>45</sup> WG (PBL) | d <sup>45</sup> WG (PBL) | d <sup>45</sup> WG (PBL) | d <sup>45</sup> WG (PBL) | d <sup>45</sup> WG (PBL) | δ <sup>13</sup> C VPDB (PBL) | δ <sup>13</sup> C VPDB (Final) | δ <sup>13</sup> C VPDB (Final) SD | δ <sup>18</sup> O VPDB (Final) | δ <sup>18</sup> O VPDB (Final) SD | Δ <sub>47</sub> I-CDES (ETF) | Δ <sub>47</sub> I-CDES (Final) | Δ <sub>47</sub> I-CDES (Final) SD | Δ <sub>47</sub> I-CDES (Final) SE | Δ <sub>48</sub> Offset | 49 Param | TEMP   |
|-----------|-------------|-------|-----------|-----------|------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------------|-----------------------------------|--------------------------------|-----------------------------------|------------------------------|--------------------------------|-----------------------------------|-----------------------------------|------------------------|----------|--------|
|           |             |       |           |           |      |                          |                          |                          |                          |                          | 1.00                         | -7.98                          | 0.14                              | -6.94                          | 0.33                              | 0.501                        | 0.501                          | 0.026                             | 0.00629                           |                        |          |        |
| R1        | LOL 8-9     | Cal2  | MAT253    | 70        | 2565 | -0.523                   | 0.283                    | -0.716                   | 0.195                    | 34.286                   | -8.02                        | -7.92                          |                                   | -6.77                          |                                   | 0.494                        | 0.494                          |                                   |                                   | -0.253                 | 0.063    | 65.533 |
| R2        | LOL 8-9     | Cal2  | MAT253    | 70        | 2565 | -0.779                   | -0.36                    | -1.607                   | -0.754                   | 101.508                  | -8.26                        | -8.17                          |                                   | -7.41                          |                                   | 0.499                        | 0.499                          |                                   |                                   | 0.089                  | 0.11     | 63.069 |
| R3        | LOL 8-9     | Cal2  | MAT253    | 70        | 2565 | -1.121                   | -1.114                   | -2.721                   | -2.447                   | 20.112                   | -8.6                         | -8.50                          |                                   | -8.15                          |                                   | 0.475                        | 0.475                          |                                   |                                   | -0.091                 | 0.038    | 75.412 |
| R4        | LOL 8-9     | Cal2  | MAT253    | 70        | 2568 | -0.557                   | 0.226                    | -0.784                   | 0.25                     | -23.245                  | -8.05                        | -7.98                          |                                   | -6.81                          |                                   | 0.503                        | 0.503                          |                                   |                                   | -0.103                 | -0.041   | 61.137 |
| R5        | LOL 8-9     | Cal2  | MAT253    | 70        | 2568 | -0.58                    | 0.159                    | -0.867                   | 0.16                     | -21.161                  | -8.07                        | -8.00                          |                                   | -6.88                          |                                   | 0.510                        | 0.510                          |                                   |                                   | -0.059                 | -0.038   | 57.834 |
| R6        | LOL 8-9     | Cal2  | MAT253    | 70        | 2570 | -0.532                   | 0.301                    | -0.731                   | 0.679                    | 0.62                     | -8.03                        | -7.94                          |                                   | -6.76                          |                                   | 0.476                        | 0.476                          |                                   |                                   | 0.257                  | -0.003   | 74.870 |
| R7        | LOL 8-9     | Cal2  | MAT253    | 70        | 2570 | -0.541                   | 0.189                    | -0.884                   | 0.056                    | 0.808                    | -8.03                        | -7.94                          |                                   | -6.87                          |                                   | 0.438                        | 0.438                          |                                   |                                   | -0.141                 | -0.004   | 97.422 |
| R8        | LOL 8-9     | Cal2  | MAT253    | 70        | 2570 | -0.545                   | 0.169                    | -0.862                   | 0.402                    | -3.057                   | -8.03                        | -7.95                          |                                   | -6.89                          |                                   | 0.489                        | 0.489                          |                                   |                                   | 0.245                  | 0.016    | 68.051 |
| R9        | LOL 8-9     | Cal2  | MAT253    | 70        | 2582 | -0.557                   | 0.232                    | -0.678                   | 0.233                    | -8.887                   | -8.05                        | -7.95                          |                                   | -6.81                          |                                   | 0.500                        | 0.500                          |                                   |                                   | -0.131                 | 0.049    | 62.583 |
| R10       | LOL 8-9     | Cal2  | MAT253    | 70        | 2582 | -0.548                   | 0.244                    | -0.663                   | 0.163                    | -11.813                  | -8.04                        | -7.94                          |                                   | -6.80                          |                                   | 0.493                        | 0.493                          |                                   |                                   | -0.223                 | 0.065    | 66.032 |
| R11       | LOL 8-9     | Cal2  | MAT253    | 70        | 2776 | -4.681                   | 6.588                    | 1.282                    | 12.618                   | 22.102                   | -7.96                        | -7.94                          |                                   | -6.91                          |                                   | 0.516                        | 0.516                          |                                   |                                   | -0.142                 | 0.047    | 55.080 |
| R12       | LOL 8-9     | Cal2  | MAT253    | 70        | 2778 | -4.683                   | 6.604                    | 1.308                    | 12.895                   | 12.136                   | -7.96                        | -7.95                          |                                   | -6.88                          |                                   | 0.528                        | 0.528                          |                                   |                                   | 0.096                  | 0.028    | 49.771 |
| R13       | LOL 8-9     | Cal2  | MAT253    | 70        | 2778 | -4.653                   | 6.62                     | 1.327                    | 12.853                   | 15.139                   | -7.93                        | -7.91                          |                                   | -6.86                          |                                   | 0.499                        | 0.499                          |                                   |                                   | 0.024                  | 0.032    | 63.069 |
| R14       | LOL 8-9     | Cal2  | MAT253    | 70        | 2778 | -4.653                   | 6.667                    | 1.421                    | 12.961                   | 9.957                    | -7.93                        | -7.92                          |                                   | -6.82                          |                                   | 0.549                        | 0.549                          |                                   |                                   | 0.035                  | 0.022    | 41.070 |
| R15       | LOL 8-9     | Cal2  | MAT253    | 70        | 2779 | -4.651                   | 6.681                    | 1.407                    | 12.802                   | 48.478                   | -7.93                        | -7.91                          |                                   | -6.80                          |                                   | 0.513                        | 0.513                          |                                   |                                   | -0.146                 | 0.102    | 56.448 |
| R16       | LOL 8-9     | Cal2  | MAT253    | 70        | 2779 | -4.64                    | 6.685                    | 1.394                    | 13.145                   | 53.13                    | -7.92                        | -7.90                          |                                   | -6.80                          |                                   | 0.481                        | 0.481                          |                                   |                                   | 0.179                  | 0.12     | 72.199 |
| R17       | LOL 8-9     | Cal2  | MAT253    | 70        | 2779 | -4.643                   | 6.642                    | 1.409                    | 12.967                   | 44.979                   | -7.92                        | -7.90                          |                                   | -6.84                          |                                   | 0.546                        | 0.546                          |                                   |                                   | 0.092                  | 0.094    | 42.270 |

|    |          |      |          |    |      |       |       |       |       |        |        |       |       |       |       |       |       |       |         |        |       |        |
|----|----------|------|----------|----|------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------|--------|
|    |          |      |          |    |      |       |       |       |       |        | -7.228 | -7.19 | 0.019 | -4.68 | 0.034 | 0.510 | 0.510 | 0.031 | 0.00800 |        |       |        |
| R1 | LOL 2008 | Cal1 | MAT253   | 70 | 2606 | 0.245 | 2.431 | 2.322 | 4.845 | 71.191 | -7.28  | -7.19 |       | -4.65 |       | 0.506 | 0.506 |       |         | -0.014 | 0.136 | 59.710 |
| R2 | LOL 2008 | Cal1 | MAT253   | 70 | 2609 | 0.223 | 2.334 | 2.222 | 5.049 | 68.604 | -7.3   | -7.20 |       | -4.71 |       | 0.530 | 0.530 |       |         | 0.38   | 0.131 | 48.911 |
| R3 | LOL 2008 | Cal1 | MAT253   | 70 | 2609 | 0.243 | 2.417 | 2.297 | 4.818 | 72.943 | -7.28  | -7.19 |       | -4.63 |       | 0.501 | 0.501 |       |         | -0.013 | 0.134 | 62.099 |
| R4 | LOL 2008 | Cal1 | MAT253   | 70 | 2609 | 0.221 | 2.318 | 2.158 | 4.842 | 90.846 | -7.3   | -7.21 |       | -4.73 |       | 0.480 | 0.480 |       |         | 0.208  | 0.163 | 72.728 |
| R5 | LOL 2008 | Cal1 | 253 Plus | 70 | 379  | 0.293 | 2.478 | 2.475 | 5.14  | 48.525 | -7.23  | -7.22 |       | -4.70 |       | 0.513 | 0.513 |       |         | -4.237 | 1.876 | 56.448 |
| R6 | LOL 2008 | Cal1 | 253 Plus | 70 | 379  | 0.308 | 2.531 | 2.534 | 5.089 | 52.632 | -7.22  | -7.21 |       | -4.65 |       | 0.504 | 0.504 |       |         | -4.36  | 2.068 | 60.659 |
| R7 | LOL 2008 | Cal1 | 253 Plus | 70 | 379  | 0.285 | 2.489 | 2.427 | 5.087 | 48.839 | -7.24  | -7.23 |       | -4.69 |       | 0.462 | 0.462 |       |         | -4.277 | 1.992 | 82.692 |
| R8 | LOL 2008 | Cal1 | 253 Plus | 70 | 381  | 0.328 | 2.552 | 2.532 | 5.089 | 62.821 | -7.2   | -7.18 |       | -4.64 |       | 0.461 | 0.461 |       |         | -4.404 | 2.602 | 83.271 |

|     |          |      |        |    |      |        |       |       |        |        |       |       |  |       |  |       |       |  |  |        |       |        |
|-----|----------|------|--------|----|------|--------|-------|-------|--------|--------|-------|-------|--|-------|--|-------|-------|--|--|--------|-------|--------|
| R9  | LOL 2008 | Cal1 | MAT253 | 70 | 2776 | -3.899 | 8.832 | 4.254 | 16.967 | 9.355  | -7.21 | -7.19 |  | -4.70 |  | 0.479 | 0.479 |  |  | -0.351 | 0.021 | 73.260 |
| R10 | LOL 2008 | Cal1 | MAT253 | 70 | 2778 | -3.903 | 8.774 | 4.267 | 17.365 | 9.592  | -7.21 | -7.19 |  | -4.75 |  | 0.555 | 0.555 |  |  | 0.151  | 0.022 | 38.710 |
| R11 | LOL 2008 | Cal1 | MAT253 | 70 | 2778 | -3.896 | 8.834 | 4.28  | 17.194 | 4.484  | -7.2  | -7.19 |  | -4.69 |  | 0.499 | 0.499 |  |  | -0.134 | 0.008 | 63.069 |
| R12 | LOL 2008 | Cal1 | MAT253 | 70 | 2778 | -3.87  | 8.85  | 4.362 | 17.396 | 25.337 | -7.18 | -7.16 |  | -4.67 |  | 0.540 | 0.540 |  |  | 0.031  | 0.057 | 44.712 |
| R13 | LOL 2008 | Cal1 | MAT253 | 70 | 2779 | -3.883 | 8.852 | 4.333 | 17.48  | 40.644 | -7.19 | -7.18 |  | -4.67 |  | 0.516 | 0.516 |  |  | 0.109  | 0.083 | 55.080 |
| R14 | LOL 2008 | Cal1 | MAT253 | 70 | 2779 | -3.895 | 8.811 | 4.305 | 17.583 | 75.385 | -7.2  | -7.19 |  | -4.71 |  | 0.543 | 0.543 |  |  | 0.29   | 0.159 | 43.484 |
| R15 | LOL 2008 | Cal1 | MAT253 | 70 | 2779 | -3.869 | 8.88  | 4.421 | 17.857 | 75.405 | -7.18 | -7.16 |  | -4.64 |  | 0.566 | 0.566 |  |  | 0.421  | 0.161 | 34.519 |

|     |          |      |          |    |      |        |        |        |        |         |            |       |       |       |       |       |       |       |         |        |       |         |
|-----|----------|------|----------|----|------|--------|--------|--------|--------|---------|------------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------|---------|
|     |          |      |          |    |      |        |        |        |        |         | 8.04944444 | -8.02 | 0.022 | -8.40 | 0.120 | 0.475 | 0.475 | 0.034 | 0.00798 |        |       |         |
| R1  | LOL 2008 | Cal2 | MAT253   | 70 | 2606 | -0.651 | -1.242 | -2.287 | -2.525 | 46.756  | -8.1       | -8.01 |       | -8.28 |       | 0.422 | 0.422 |       |         | 0.007  | 0.097 | 108.324 |
| R2  | LOL 2008 | Cal2 | MAT253   | 70 | 2609 | -0.646 | -1.413 | -2.44  | -2.596 | 76.74   | -8.08      | -7.99 |       | -8.42 |       | 0.439 | 0.439 |       |         | 0.277  | 0.145 | 96.772  |
| R3  | LOL 2008 | Cal2 | MAT253   | 70 | 2609 | -0.689 | -1.361 | -2.388 | -2.774 | 54.475  | -8.13      | -8.04 |       | -8.36 |       | 0.488 | 0.488 |       |         | -0.004 | 0.102 | 68.561  |
| R4  | LOL 2008 | Cal2 | MAT253   | 70 | 2609 | -0.674 | -1.1   | -2.104 | -1.933 | 68.008  | -8.13      | -8.03 |       | -8.11 |       | 0.502 | 0.502 |       |         | 0.311  | 0.129 | 61.617  |
| R5  | LOL 2008 | Cal2 | 253 Plus | 70 | 379  | -0.628 | -1.426 | -2.375 | -2.866 | 44.884  | -8.06      | -8.06 |       | -8.55 |       | 0.453 | 0.453 |       |         | 0.839  | 1.696 | 88.008  |
| R6  | LOL 2008 | Cal2 | 253 Plus | 70 | 379  | -0.656 | -1.607 | -2.521 | -2.569 | 63.481  | -8.09      | -8.08 |       | -8.73 |       | 0.514 | 0.514 |       |         | 1.305  | 2.405 | 55.990  |
| R7  | LOL 2008 | Cal2 | 253 Plus | 70 | 379  | -0.592 | -1.271 | -2.194 | -2.231 | 62.98   | -8.03      | -8.02 |       | -8.40 |       | 0.445 | 0.445 |       |         | 0.748  | 2.487 | 92.938  |
| R8  | LOL 2008 | Cal2 | 253 Plus | 70 | 381  | -0.603 | -1.294 | -2.256 | -2.455 | 61.045  | -8.04      | -8.03 |       | -8.43 |       | 0.416 | 0.416 |       |         | 0.716  | 2.392 | 112.667 |
| R9  | LOL 2008 | Cal2 | 253 Plus | 70 | 381  | -0.6   | -1.271 | -2.182 | -1.964 | 76.244  | -8.04      | -8.02 |       | -8.41 |       | 0.463 | 0.463 |       |         | 0.839  | 2.966 | 82.116  |
| R10 | LOL 2008 | Cal2 | MAT253   | 70 | 2776 | -4.786 | 5.066  | -0.378 | 9.657  | 24.782  | -8.01      | -8.00 |       | -8.40 |       | 0.453 | 0.453 |       |         | -0.017 | 0.071 | 88.008  |
| R11 | LOL 2008 | Cal2 | MAT253   | 70 | 2778 | -4.8   | 5.085  | -0.311 | 9.701  | 5.308   | -8.03      | -8.01 |       | -8.37 |       | 0.516 | 0.516 |       |         | -0.011 | 0.014 | 55.080  |
| R12 | LOL 2008 | Cal2 | MAT253   | 70 | 2778 | -4.779 | 5.069  | -0.362 | 9.901  | 16.919  | -8.01      | -7.99 |       | -8.39 |       | 0.457 | 0.457 |       |         | 0.216  | 0.047 | 85.616  |
| R13 | LOL 2008 | Cal2 | MAT253   | 70 | 2779 | -4.798 | 5.118  | -0.336 | 9.956  | 73.747  | -8.03      | -8.01 |       | -8.34 |       | 0.447 | 0.447 |       |         | 0.174  | 0.182 | 91.687  |
| R14 | LOL 2008 | Cal2 | MAT253   | 70 | 2779 | -4.793 | 5.074  | -0.302 | 10.306 | 91.879  | -8.02      | -8.01 |       | -8.38 |       | 0.523 | 0.523 |       |         | 0.603  | 0.243 | 51.952  |
| R15 | LOL 2008 | Cal2 | MAT253   | 70 | 2779 | -4.815 | 4.945  | -0.485 | 9.971  | 104.598 | -8.04      | -8.03 |       | -8.51 |       | 0.486 | 0.486 |       |         | 0.532  | 0.262 | 69.589  |
| R16 | LOL 2008 | Cal2 | MAT253   | 70 | 2780 | -4.786 | 5.057  | -0.335 | 10.001 | 66.078  | -8.01      | -8.00 |       | -8.40 |       | 0.498 | 0.498 |       |         | 0.339  | 0.199 | 63.558  |
| R17 | LOL 2008 | Cal2 | MAT253   | 70 | 2780 | -4.784 | 5.142  | -0.229 | 10.321 | 69.886  | -8.01      | -8.00 |       | -8.31 |       | 0.519 | 0.519 |       |         | 0.483  | 0.207 | 53.728  |
| R18 | LOL 2008 | Cal2 | MAT253   | 70 | 2780 | -4.802 | 5.055  | -0.345 | 10.297 | 84.553  | -8.03      | -8.02 |       | -8.40 |       | 0.506 | 0.506 |       |         | 0.634  | 0.233 | 59.710  |

|     |           |      |          |    |      |        |       |       |        |         |       |       |       |       |       |       |       |       |         |        |        |        |
|-----|-----------|------|----------|----|------|--------|-------|-------|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|--------|--------|
|     |           |      |          |    |      |        |       |       |        |         | -7.54 | -7.49 | 0.038 | -5.67 | 0.069 | 0.527 | 0.527 | 0.033 | 0.00798 |        |        |        |
| R1  | AR1 18-19 | Cal1 | MAT253   | 70 | 2565 | -0.022 | 1.481 | 1.007 | 2.967  | 17.253  | -7.53 | -7.43 |       | -5.59 |       | 0.526 | 0.526 |       |         | 0.108  | 0.031  | 50.638 |
| R2  | AR1 18-19 | Cal1 | MAT253   | 70 | 2565 | -0.123 | 1.291 | 0.674 | 2.502  | 23.097  | -7.63 | -7.53 |       | -5.77 |       | 0.481 | 0.481 |       |         | 0.027  | 0.043  | 72.199 |
| R3  | AR1 18-19 | Cal1 | MAT253   | 70 | 2568 | -0.081 | 1.433 | 0.851 | 2.706  | -2.566  | -7.59 | -7.52 |       | -5.61 |       | 0.460 | 0.460 |       |         | -0.077 | -0.005 | 83.853 |
| R4  | AR1 18-19 | Cal1 | MAT253   | 70 | 2568 | -0.145 | 1.32  | 0.778 | 2.57   | -1.5    | -7.65 | -7.58 |       | -5.73 |       | 0.570 | 0.570 |       |         | 0.012  | -0.003 | 33.036 |
| R5  | AR1 18-19 | Cal1 | MAT253   | 70 | 2570 | -0.084 | 1.394 | 0.878 | 2.817  | 0.044   | -7.59 | -7.50 |       | -5.68 |       | 0.555 | 0.555 |       |         | 0.202  | 0      | 38.710 |
| R6  | AR1 18-19 | Cal1 | MAT253   | 70 | 2570 | -0.018 | 1.476 | 0.966 | 2.811  | -2.124  | -7.52 | -7.43 |       | -5.60 |       | 0.489 | 0.489 |       |         | 0.031  | 0.012  | 68.051 |
| R7  | AR1 18-19 | Cal1 | MAT253   | 70 | 2570 | -0.107 | 1.347 | 0.776 | 2.513  | -2.539  | -7.61 | -7.52 |       | -5.73 |       | 0.521 | 0.521 |       |         | -0.007 | 0.014  | 52.836 |
| R8  | AR1 18-19 | Cal1 | MAT253   | 70 | 2582 | -0.074 | 1.404 | 0.98  | 2.783  | -11.67  | -7.58 | -7.48 |       | -5.65 |       | 0.507 | 0.507 |       |         | 0.062  | 0.065  | 59.238 |
| R9  | AR1 18-19 | Cal1 | MAT253   | 70 | 2583 | -0.088 | 1.412 | 1.041 | 2.727  | -13.763 | -7.6  | -7.50 |       | -5.64 |       | 0.587 | 0.587 |       |         | -0.008 | 0.075  | 26.965 |
| R10 | AR1 18-19 | Cal1 | 253 Plus | 70 | 379  | 0.005  | 1.484 | 1.242 | 3.378  | 79.888  | -7.5  | -7.49 |       | -5.68 |       | 0.555 | 0.555 |       |         | -2.847 | 3.26   | 38.710 |
| R11 | AR1 18-19 | Cal1 | 253 Plus | 70 | 379  | -0.002 | 1.506 | 1.26  | 3.612  | 89.829  | -7.51 | -7.50 |       | -5.66 |       | 0.557 | 0.557 |       |         | -2.814 | 3.648  | 37.936 |
| R12 | AR1 18-19 | Cal1 | MAT253   | 70 | 2776 | -4.186 | 7.814 | 2.974 | 14.988 | 36.109  | -7.47 | -7.46 |       | -5.70 |       | 0.492 | 0.492 |       |         | -0.261 | 0.078  | 66.533 |
| R13 | AR1 18-19 | Cal1 | MAT253   | 70 | 2778 | -4.175 | 7.852 | 3.073 | 15.17  | 13.705  | -7.46 | -7.45 |       | -5.65 |       | 0.546 | 0.546 |       |         | -0.158 | 0.031  | 42.270 |
| R14 | AR1 18-19 | Cal1 | MAT253   | 70 | 2778 | -4.194 | 7.72  | 2.902 | 15.224 | 26.374  | -7.48 | -7.47 |       | -5.78 |       | 0.522 | 0.522 |       |         | 0.155  | 0.057  | 52.393 |
| R15 | AR1 18-19 | Cal1 | MAT253   | 70 | 2780 | -4.223 | 7.895 | 3.051 | 15.704 | 43.798  | -7.52 | -7.50 |       | -5.61 |       | 0.523 | 0.523 |       |         | 0.276  | 0.11   | 51.952 |
| R16 | AR1 18-19 | Cal1 | MAT253   | 70 | 2780 | -4.194 | 7.691 | 2.902 | 15.01  | 39.92   | -7.48 | -7.46 |       | -5.81 |       | 0.546 | 0.546 |       |         | 0.005  | 0.105  | 42.270 |
| R17 | AR1 18-19 | Cal1 | MAT253   | 70 | 2780 | -4.173 | 7.932 | 3.14  | 15.465 | 20.342  | -7.46 | -7.45 |       | -5.57 |       | 0.524 | 0.524 |       |         | -0.03  | 0.052  | 51.512 |

|     |           |      |          |    |      |        |       |       |        |        |           |       |       |       |       |       |       |       |         |        |       |         |
|-----|-----------|------|----------|----|------|--------|-------|-------|--------|--------|-----------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------|---------|
|     |           |      |          |    |      |        |       |       |        |        | -7.529375 | -7.50 | 0.036 | -5.80 | 0.075 | 0.483 | 0.483 | 0.028 | 0.00695 |        |       |         |
| R1  | AR1 17-18 | Cal1 | MAT253   | 70 | 2606 | -0.103 | 1.235 | 0.779 | 2.913  | 83.204 | -7.6      | -7.52 |       | -5.83 |       | 0.499 | 0.499 |       |         | 0.46   | 0.174 | 63.069  |
| R2  | AR1 17-18 | Cal1 | MAT253   | 70 | 2608 | -0.074 | 1.213 | 0.748 | 2.743  | 38.508 | -7.57     | -7.48 |       | -5.83 |       | 0.471 | 0.471 |       |         | 0.334  | 0.066 | 77.604  |
| R3  | AR1 17-18 | Cal1 | MAT253   | 70 | 2608 | -0.108 | 1.241 | 0.769 | 2.315  | 55.339 | -7.61     | -7.52 |       | -5.80 |       | 0.502 | 0.502 |       |         | -0.145 | 0.091 | 61.617  |
| R4  | AR1 17-18 | Cal1 | MAT253   | 70 | 2608 | -0.119 | 1.238 | 0.79  | 2.419  | 56.615 | -7.62     | -7.53 |       | -5.81 |       | 0.540 | 0.540 |       |         | -0.038 | 0.094 | 44.712  |
| R5  | AR1 17-18 | Cal1 | 253 Plus | 70 | 379  | -0.019 | 1.386 | 1.01  | 3.105  | 65.202 | -7.52     | -7.51 |       | -5.78 |       | 0.445 | 0.445 |       |         | -2.745 | 2.717 | 92.938  |
| R6  | AR1 17-18 | Cal1 | 253 Plus | 70 | 379  | -0.05  | 1.397 | 0.999 | 3.149  | 74.484 | -7.55     | -7.55 |       | -5.77 |       | 0.455 | 0.455 |       |         | -2.752 | 3.223 | 86.806  |
| R7  | AR1 17-18 | Cal1 | 253 Plus | 70 | 379  | -0.102 | 1.119 | 0.678 | 2.344  | 64.257 | -7.6      | -7.59 |       | -6.04 |       | 0.461 | 0.461 |       |         | -2.47  | 2.7   | 83.271  |
| R8  | AR1 17-18 | Cal1 | 253 Plus | 70 | 381  | -0.012 | 1.478 | 1.09  | 3.635  | 88.9   | -7.52     | -7.50 |       | -5.70 |       | 0.429 | 0.429 |       |         | -2.749 | 3.608 | 103.438 |
| R9  | AR1 17-18 | Cal1 | 253 Plus | 70 | 381  | -0.005 | 1.46  | 1.104 | 3.16   | 97.794 | -7.51     | -7.49 |       | -5.72 |       | 0.453 | 0.453 |       |         | -2.874 | 4.03  | 88.008  |
| R10 | AR1 17-18 | Cal1 | MAT253   | 70 | 2776 | -4.198 | 7.719 | 2.877 | 14.872 | 27.302 | -7.48     | -7.47 |       | -5.79 |       | 0.502 | 0.502 |       |         | -0.185 | 0.064 | 61.617  |

