|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **trt** | **ploidy** | **tank** | **sample date** | **shell volume** | **calc dry weight** | **∆OD** | **nmol CS** | **A (BSA)** | **protein (ug/mL)** | **P (mg/uL)** | **CS activity (nmol/mg/min)** |
| **D54** | D-control | 2n | tank\_5 | 7/12/21 | 75618 | 3.484 | 0.017 | 2.772 | 0.905 | 582.267 | 5.82E-04 | 2.116 |
| **D55** | D-control | 2n | tank\_5 | 7/12/21 | 54890 | 2.655 | 0.067 | 4.417 | 1.075 | 972.883 | 9.73E-04 | 2.018 |
| **D56** | D-control | 2n | tank\_5 | 7/12/21 | 64403 | 3.036 | 0.041 | 3.542 | 0.899 | 568.467 | 5.68E-04 | 2.769 |
| **D57** | D-control | 2n | tank\_5 | 7/12/21 | 67646 | 3.165 | 0.022 | 2.915 | 1.099 | 1028.467 | 1.03E-03 | 1.260 |
| **D58** | D-control | 2n | tank\_5 | 7/12/21 | 63405 | 2.996 | 0.050 | 3.843 | 0.943 | 668.900 | 6.69E-04 | 2.553 |
| **D59** | D-control | 2n | tank\_5 | 7/12/21 | 79419 | 3.636 | 0.067 | 4.422 | 1.078 | 979.400 | 9.79E-04 | 2.007 |
| **M45** | D-control | 2n | tank\_5 | 7/12/21 | 67305 | 3.152 | 0.074 | 4.653 | 1.081 | 986.300 | 9.86E-04 | 2.097 |
| **M46** | D-control | 2n | tank\_5 | 7/12/21 | 64260 | 3.030 | 0.026 | 3.045 | 1.086 | 998.183 | 9.98E-04 | 1.356 |
| **M48** | D-control | 2n | tank\_5 | 7/12/21 | 79168 | 3.626 | 0.030 | 3.201 | 1.078 | 979.400 | 9.79E-04 | 1.453 |
| **M49** | D-control | 2n | tank\_5 | 7/12/21 | 68707 | 3.208 | 0.019 | 2.838 | 0.969 | 728.700 | 7.29E-04 | 1.731 |
| **M89** | D-control | 2n | tank\_5 | 7/12/21 | 58521 | 2.800 | 0.026 | 3.064 | 1.142 | 1127.367 | 1.13E-03 | 1.208 |
| **M90** | D-control | 2n | tank\_5 | 7/12/21 | 85685 | 3.887 | 0.024 | 3.003 | 1.239 | 1350.467 | 1.35E-03 | 0.988 |
| **N48** | D-desiccation | 2n | tank\_2 | missing | 76764 | 3.530 | 0.082 | 4.906 | 0.865 | 490.267 | 4.90E-04 | 4.447 |
| **N49** | D-desiccation | 2n | tank\_2 | 7/13/21 | 64746 | 3.049 | 0.054 | 3.971 | 0.856 | 468.417 | 4.68E-04 | 3.768 |
| **N50** | D-desiccation | 2n | tank\_2 | 7/13/21 | 80346 | 3.673 | 0.098 | 5.423 | 0.969 | 729.467 | 7.29E-04 | 3.304 |
| **N51** | D-desiccation | 2n | tank\_2 | 7/13/21 | 83860 | 3.814 | 0.066 | 4.378 | 0.906 | 583.417 | 5.83E-04 | 3.335 |
| **N52** | D-desiccation | 2n | tank\_2 | 7/13/21 | 71176 | 3.307 | 0.107 | 5.720 | 0.985 | 765.500 | 7.66E-04 | 3.321 |
| **N53** | D-desiccation | 2n | tank\_2 | 7/13/21 | 65680 | 3.087 | 0.133 | 6.589 | 1.055 | 927.267 | 9.27E-04 | 3.158 |
| **N54** | D-desiccation | 2n | tank\_2 | 7/13/21 | 111744 | 4.929 | 0.102 | 5.566 | 1.074 | 970.200 | 9.70E-04 | 2.550 |
| **N55** | D-desiccation | 2n | tank\_2 | 7/13/21 | 82137 | 3.745 | 0.079 | 4.796 | 1.102 | 1033.833 | 1.03E-03 | 2.062 |
| **N56** | D-desiccation | 2n | tank\_2 | 7/13/21 | 94210 | 4.228 | 0.105 | 5.665 | 0.815 | 373.733 | 3.74E-04 | 6.737 |
| **N57** | D-desiccation | 2n | tank\_2 | 7/13/21 | 126097 | 5.503 | 0.108 | 5.764 | 0.872 | 504.833 | 5.05E-04 | 5.075 |
| **N58** | D-desiccation | 2n | tank\_2 | 7/13/21 | 74644 | 3.445 | 0.096 | 5.368 | 0.910 | 593.000 | 5.93E-04 | 4.023 |
| **N59** | D-desiccation | 2n | tank\_2 | 7/13/21 | 71662 | 3.326 | 0.032 | 3.245 | 0.973 | 737.133 | 7.37E-04 | 1.957 |
| **M41** | D-heat | 2n | tank\_2 | 7/12/21 | 68581 | 3.203 | 0.081 | 4.884 | 1.178 | 1209.400 | 1.21E-03 | 1.795 |
| **M42** | D-heat | 2n | tank\_2 | 7/12/21 | 65835 | 3.093 | 0.092 | 5.225 | 1.133 | 1106.667 | 1.11E-03 | 2.098 |
| **M43** | D-heat | 2n | tank\_2 | 7/12/21 | 60036 | 2.861 | 0.051 | 3.883 | 1.064 | 946.433 | 9.46E-04 | 1.823 |
| **M47** | D-heat | 2n | tank\_3 | 7/12/21 | 57962 | 2.778 | 0.055 | 4.026 | 0.999 | 797.700 | 7.98E-04 | 2.243 |
| **N41** | D-heat | 2n | tank\_2 | 7/12/21 | 71181 | 3.307 | 0.045 | 3.675 | 0.947 | 676.950 | 6.77E-04 | 2.413 |
| **N42** | D-heat | 2n | tank\_2 | 7/12/21 | 89590 | 4.043 | 0.038 | 3.443 | 1.182 | 1218.600 | 1.22E-03 | 1.256 |
| **N43** | D-heat | 2n | tank\_2 | 7/12/21 | 63108 | 2.984 | 0.020 | 2.849 | 0.874 | 510.200 | 5.10E-04 | 2.482 |
| **N44** | D-heat | 2n | tank\_2 | 7/12/21 | 76236 | 3.509 | 0.035 | 3.355 | 0.984 | 762.944 | 7.63E-04 | 1.954 |
| **N45** | D-heat | 2n | tank\_2 | 7/12/21 | 70811 | 3.292 | 0.043 | 3.623 | 0.887 | 539.333 | 5.39E-04 | 2.985 |
| **N46** | D-heat | 2n | tank\_2 | 7/12/21 | 80346 | 3.673 | 0.029 | 3.172 | 0.864 | 486.433 | 4.86E-04 | 2.898 |
| **N47** | D-heat | 2n | tank\_2 | 7/12/21 | 92891 | 4.175 | 0.019 | 2.834 | 1.002 | 804.983 | 8.05E-04 | 1.564 |
| **T55** | T-control | 3n | tank\_6 | 7/12/21 | 54849 | 2.654 | 0.027 | 3.091 | 1.014 | 832.967 | 8.33E-04 | 1.649 |
| **T56** | T-control | 3n | tank\_6 | 7/12/21 | 90394 | 4.075 | 0.065 | 4.334 | 1.054 | 924.200 | 9.24E-04 | 2.084 |
| **T57** | T-control | 3n | tank\_6 | 7/12/21 | 71974 | 3.339 | 0.021 | 2.882 | 0.983 | 760.900 | 7.61E-04 | 1.683 |
| **T58** | T-control | 3n | tank\_6 | 7/12/21 | 52317 | 2.552 | 0.059 | 4.158 | 1.215 | 1294.883 | 1.29E-03 | 1.427 |
| **T59** | T-control | 3n | tank\_6 | 7/12/21 | 120695 | 5.287 | 0.030 | 3.194 | 1.105 | 1041.500 | 1.04E-03 | 1.363 |
| **T61** | T-control | 3n | tank\_6 | 7/12/21 | 76236 | 3.509 | 0.053 | 3.944 | 1.154 | 1154.200 | 1.15E-03 | 1.519 |
| **T62** | T-control | 3n | tank\_6 | 7/12/21 | 87745 | 3.969 | 0.068 | 4.433 | 1.101 | 1032.300 | 1.03E-03 | 1.909 |
| **X45** | T-control | 3n | tank\_6 | 7/12/21 | 67796 | 3.171 | 0.021 | 2.904 | 0.988 | 771.633 | 7.72E-04 | 1.673 |
| **X46** | T-control | 3n | tank\_6 | 7/12/21 | 67053 | 3.142 | 0.131 | 6.523 | 0.934 | 648.200 | 6.48E-04 | 4.473 |
| **X47** | T-control | 3n | tank\_6 | 7/12/21 | 84182 | 3.827 | 0.060 | 4.180 | 1.152 | 1149.856 | 1.15E-03 | 1.616 |
| **X48** | T-control | 3n | tank\_6 | 7/12/21 | 52873 | 2.575 | 0.033 | 3.295 | 1.139 | 1118.933 | 1.12E-03 | 1.309 |
| **R51** | T-desiccation | 3n | tank\_3 | 7/13/21 | 67646 | 3.165 | 0.084 | 4.967 | 1.169 | 1187.933 | 1.19E-03 | 1.858 |
| **R53** | T-desiccation | 3n | tank\_3 | 7/13/21 | 44334 | 2.233 | 0.158 | 7.414 | 0.969 | 727.933 | 7.28E-04 | 4.527 |
| **R54** | T-desiccation | 3n | tank\_3 | 7/13/21 | 93202 | 4.188 | 0.096 | 5.368 | 0.811 | 366.067 | 3.66E-04 | 6.517 |
| **R56** | T-desiccation | 3n | tank\_3 | 7/13/21 | 63234 | 2.989 | 0.061 | 4.213 | 0.926 | 629.800 | 6.30E-04 | 2.973 |
| **R57** | T-desiccation | 3n | tank\_3 | 7/13/21 | 148032 | 6.381 | 0.094 | 5.306 | 1.053 | 920.750 | 9.21E-04 | 2.561 |
| **R58** | T-desiccation | 3n | tank\_3 | 7/13/21 | 121297 | 5.311 | 0.037 | 3.410 | 1.066 | 951.033 | 9.51E-04 | 1.594 |
| **R59** | T-desiccation | 3n | tank\_3 | 7/13/21 | 85954 | 3.898 | 0.078 | 4.766 | 0.862 | 482.983 | 4.83E-04 | 4.385 |
| **R60** | T-desiccation | 3n | tank\_3 | 7/13/21 | 58748 | 2.810 | 0.012 | 2.596 | 0.807 | 355.717 | 3.56E-04 | 3.244 |
| **R61** | T-desiccation | 3n | tank\_3 | 7/13/21 | 67523 | 3.161 | 0.071 | 4.549 | 1.107 | 1046.867 | 1.05E-03 | 1.931 |
| **R62** | T-desiccation | 3n | tank\_3 | 7/13/21 | 126742 | 5.529 | 0.025 | 3.014 | 0.864 | 486.433 | 4.86E-04 | 2.754 |
| **R42** | T-heat | 3n | tank\_3 | 7/12/21 | 137178 | 5.947 | 0.017 | 2.761 | 0.956 | 697.650 | 6.98E-04 | 1.759 |
| **R46** | T-heat | 3n | tank\_3 | 7/12/21 | 50645 | 2.485 | 0.066 | 4.389 | 0.871 | 502.533 | 5.03E-04 | 3.882 |
| **R47** | T-heat | 3n | tank\_3 | 7/12/21 | 81631 | 3.725 | -0.002 | 2.134 | 1.251 | 1376.533 | 1.38E-03 | 0.689 |
| **R48** | T-heat | 3n | tank\_3 | 7/12/21 | 133907 | 5.816 | 0.059 | 4.147 | 1.090 | 1007.000 | 1.01E-03 | 1.830 |
| **R50** | T-heat | 3n | tank\_3 | 7/12/21 | 46708 | 2.328 | 0.044 | 3.641 | 1.041 | 893.533 | 8.94E-04 | 1.811 |
| **R78** | T-heat | 3n | tank\_3 | 7/12/21 | 74126 | 3.425 | 0.030 | 3.201 | 1.164 | 1176.433 | 1.18E-03 | 1.209 |
| **X41** | T-heat | 3n | tank\_3 | 7/12/21 | 145495 | 6.279 | 0.033 | 3.300 | 1.014 | 831.433 | 8.31E-04 | 1.764 |
| **X42** | T-heat | 3n | tank\_3 | 7/12/21 | 155580 | 6.683 | 0.050 | 3.850 | 1.019 | 843.700 | 8.44E-04 | 2.028 |
| **X43** | T-heat | 3n | tank\_3 | 7/12/21 | 63987 | 3.019 | 0.033 | 3.296 | 1.102 | 1033.578 | 1.03E-03 | 1.417 |
| **X44** | T-heat | 3n | tank\_3 | 7/12/21 | 52622 | 2.564 | 0.052 | 3.911 | 1.019 | 842.933 | 8.43E-04 | 2.062 |