|  |  |  |
| --- | --- | --- |
| **Santos et al 2014** |  |  |
|  |  |  |  |
| **Raw data** |  |  |  |
|  |  |  |  |
| Catalase Activity (CAT) |  |
|  |  |  |  |
|  | REF  |  S1  | S2  |
| 1 |  3.76  |  2.29  |  9.89  |
| 2 |  3.89  |  2.12  |  11.72  |
| 3 |  3.68  |  6.30  |  10.56  |
| 4 |  4.30  |  6.83  |  13.86  |
| 5 |  3.70  |  5.35  |  5.91  |
| 6 |  3.61  |  7.12  |  7.53  |
| 7 |  3.07  |  5.50  |  6.34  |
| 8 |  5.41  |  12.24  |  5.86  |
| **mean** |  **3.93**  |  **5.97**  |  **8.96**  |
| **SD** |  **0.69**  |  **3.17**  |  **3.00**  |
| **n** |  **8.00**  |  **8.00**  |  **8.00**  |
|  |  |  |  |
|  |  |  |  |
| Superoxie activity (SOD) |  |
|  | REF  | S1  |  S2  |
| 1 |  17.52  |  24.44  |  21.74  |
| 2 |  4.93  |  6.59  |  116.12  |
| 3 |  22.32  |  19.30  |  90.44  |
| 4 |  43.55  |  63.38  |  134.17  |
| 5 |  26.28  |  22.78  |  63.10  |
| 6 |  11.85  |  14.76  |  107.11  |
| 7 |  6.25  |  7.65  |  118.13  |
| 8 |  10.30  |  8.48  |  93.72  |
| **mean** |  **17.87**  |  **20.92**  |  **93.06**  |
| **SD** |  **12.79**  |  **18.50**  |  **35.93**  |
| **n** |  **8.00**  |  **8.00**  |  **8.00**  |
|  |  |  |  |
|  |  |  |  |
| Glutathione s-transferase activity (GST) |
|  | REF  |  S1  | S2  |
| 1 |  18.02  |  17.22  |  21.41  |
| 2 |  11.84  |  12.96  |  53.63  |
| 3 |  10.27  |  19.76  |  22.74  |
| 4 |  20.53  |  31.81  |  25.20  |
| 5 |  11.06  |  14.97  |  15.96  |
| 6 |  21.88  |  12.91  |  25.62  |
| 7 |  11.27  |  9.10  |  38.57  |
| 8 |  16.61  |  17.50  |  15.92  |
| **mean** |  **15.19**  |  **17.03**  |  **27.38**  |
| **SD** |  **4.65**  |  **6.83**  |  **12.77**  |
| **n** |  **8.00**  |  **8.00**  |  **8.00**  |
|  |  |  |  |
|  |  |  |  |
| Acetylcholinesterase activity (AchE) |
|  | REF  | S1  | S2  |
| 1 |  52.69  |  23.03  |  |
| 2 |  36.25  |  62.14  |  33.64  |
| 3 |  29.93  |  33.01  |  18.43  |
| 4 |  50.01  |  39.45  |  27.22  |
| 5 |  41.08  |  25.75  |  15.90  |
| 6 |  24.11  |  33.51  |  16.05  |
| 7 |  32.44  |  33.85  |  12.79  |
| 8 |  37.22  |  26.55  |  |
| **mean** |  **37.97**  |  **34.66**  |  **20.67**  |
| **SD** |  **9.72**  |  **12.32**  |  **8.03**  |
| **n** |  **8.00**  |  **8.00**  |  **6.00**  |
|  |  |  |  |
|  |  |  |  |
| Non-protein thiols (NPSH) |  |
|  | REF  | S1  |  S2  |
| 1 |  2.89  |  1.36  |  1.64  |
| 2 |  2.57  |  2.00  |  2.22  |
| 3 |  2.67  |  2.34  |  1.46  |
| 4 |  1.52  |  1.97  |  2.24  |
| 5 |  1.91  |  1.82  |  1.93  |
| 6 |  2.22  |  2.44  |  1.61  |
| 7 |  1.97  |  1.99  |  1.51  |
| 8 |  2.46  |  1.47  |  1.84  |
| **mean** |  **2.28**  |  **1.92**  |  **1.81**  |
| **SD** |  **0.46**  |  **0.38**  |  **0.30**  |
| **n** |  **8.00**  |  **8.00**  |  **8.00**  |
|  |  |  |  |
|  |  |  |  |
| Protein thiols (PSH) |  |  |
|  | REF  | S1  |  S2  |
| 1 |  5.08  |  4.58  |  8.98  |
| 2 |  6.33  |  5.22  |  3.66  |
| 3 |  6.57  |  7.56  |  6.76  |
| 4 |  5.42  |  6.89  |  5.61  |
| 5 |  6.44  |  7.04  |  6.00  |
| 6 |  4.72  |  3.66  |  7.31  |
| 7 |  3.62  |  4.41  |  4.06  |
| 8 |  5.99  |  6.69  |  6.55  |
| **mean** |  **5.53**  |  **5.76**  |  **6.11**  |
| **SD** |  **1.02**  |  **1.46**  |  **1.72**  |
| **n** |  **8.00**  |  **8.00**  |  **8.00**  |
|  |  |  |  |
|  |  |  |  |
| Total hydroperoxides |  |
|  | REF  |  S1  | S2  |
| 1 |  89.11  |  89.45  |  93.40  |
| 2 |  72.68  |  98.57  |  70.07  |
| 3 |  66.36  |  67.44  |  94.57  |
| 4 |  86.44  |  75.88  |  103.65  |
| 5 |  77.50  |  102.18  |  152.33  |
| 6 |  60.53  |  79.93  |  152.48  |
| 7 |  68.87  |  130.28  |  149.22  |
| 8 |  73.65  |  42.98  |  136.43  |
| **mean** |  **74.39**  |  **85.84**  |  **119.02**  |
| **SD** |  **9.72**  |  **25.98**  |  **32.36**  |
| **n** |  **8.00**  |  **8.00**  |  **8.00**  |
|  |  |  |  |
|  |  |  |  |
| Enzyme activity data are expressed as Mean±SD of enzyme activity (mU/mg of total protein). |
| Thiols data are expressed as Mean±SD of thiol content (micromol/g of wet tissue)  |
| Hydroperoxide levels are expressed as Mean±SD (nmol/mg protein) |

REF: reference site

S1: site one

S2: site two