**Table S3.** ANOVA for the quadratic polynomial model.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **Sum of squares** | **Degree of freedom** | **Mean square** | **F-value** | **Prob>F** |
| Model | 329.04 | 9 | 36.56 | 20.31 | 0.0020 |
| *A*-*time* | 2.67 | 1 | 2.67 | 1.48 | 0.2778 |
| *B*-*temperature* | 13.68 | 1 | 13.68 | 7.60 | 0.0400 |
| *C*-*enzym*e | 0.051 | 1 | 0.051 | 0.028 | 0.8727 |
| *AB* | 0.0016 | 1 | 0.0016 | 0.00089 | 0.9774 |
| *AC* | 0.44 | 1 | 0.44 | 0.24 | 0.6436 |
| *BC* | 1.21 | 1 | 1.21 | 0.67 | 0.4496 |
| *A2* | 157.04 | 1 | 157.04 | 87.22 | 0.0002 |
| *B2* | 107.93 | 1 | 107.93 | 59.95 | 0.0006 |
| *C2* | 92.74 | 1 | 92.74 | 51.51 | 0.0008 |
| Residual | 9.00 | 5 | 1.80 |  |  |
| *Lack of Fit* | 5.05 | 3 | 1.68 | 0.85 | 0.5794 |
| *Pure Error* | 3.95 | 2 | 1.97 |  |  |
| *Std.Dev.* | 1.34 | *R-Squared* | 0.9734 |  |  |
| *Mean* | 78.72 | *Adj R-Squared* | 0.9254 |  |  |
| *C.V.%* | 1.70 | *Pred R-Squared* | 0.7345 |  |  |
| *PRESS* | 89.74 | *Adeq Precision* | 12.590 |  |  |