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**Effect of textile dyes on activity and differential regulation of laccase genes from *Pleurotus ostreatus* grown in submerged fermentation**

Garrido-Bazán V1, Téllez-Téllez M2, Herrera-Estrella A3, Díaz-Godínez G4, Nava-Galicia SB1, Villalobos-López MA1, Arroyo-Becerra A1, and Bibbins-Martínez MD1\*

1Centro de Investigación en Biotecnología Aplicada–Instituto Politécnico Nacional, Tlaxcala, México.

2Centro de Investigaciones Biológicas, Universidad Autónoma del Estado de Morelos, Morelos, México

3Laboratorio Nacional de Genómica para la Biodiversidad. Cinvestav-Irapuato, Gto,México

4Laboratory of Biotechnology, Research Center for Biological Sciences, Universidad Autónoma de Tlaxcala, Tlaxcala, México.

\*CORRESPONDING AUTOR: Dr. Matha Bibbins-Martínez. Centro de Investigación en Biotecnología Aplicada –Instituto Politécnico Nacional. Carretera Estatal Sta Inés Tecuexcomac-Tepetitla, km. 1.5. Tepetitla de Lárdizabal, Tlaxcala, México. C.P: 90700.

e-mail: mbibbinsm@ipn.mx/ marthadbm1104@yahoo.com.mx

tel/fax: +52555-7296000 ext. 87822/+522484870765

**Table S1** | Identifiers and product lengths of reference genes primers used in this study

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gen | Transcript IDa | Orientatiob | Sequence (5’- 3’) | Product size (bp) |
| *gpd* | 1090672 | Fw | GCTGACGCACCAATGTTC | 83 |
| Rv | GTGCAAGACGCATTTGAG |
| *act* | 25490 | Fw | CCTCTTCTGCTCCGTTCAA | 149 |
| Rv | CAATATCAATCCGCCGTATG |
| *β-tub* | [1076198](http://genome.jgi.doe.gov/cgi-bin/dispGeneModel?db=PleosPC15_2&id=1076198) | Fw | CGGTTCTGACTACTCACACGA | 134 |
| Rv | AATAAGGCGGTTCAAGTTGG |
| *pep* | 1092697 | Fw | CGGAGGACATTCTTGTTCAC | 142 |
| Rv | AGATCGGTAACCCACACGAG |

**Note**: aTranscript ID and gene nomenclature refer to the annotation of *P. ostreatus* PC15 genome version 2.0 (http://genome.jgi-psf.org/ PleosPC15\_2/PleosPC15\_2. home.html).bFw, Forward; Rv, reverse

**Supplementary figure legends**

**Figure S1.** Growth of *P. ostreatus* and pH profile in submerged fermentations in BMF (●black circle), BBF (■ black square) and AYF (♦black diamond) media. The error bars represent the standard deviation of three different fermentation runs

**Figure S2**. Genorm analysis of the expression stability of 4 reference genes

**Figure S3**. Variability of Cp values of 4 reference genes tested under the 3 different fermentation conditions using NormFinder





