

Supplementary Information

Immobilization of yeast cell walls with surface displayed laccase from *Streptomyces cyaneus* within dopamine-alginate beads for dye decolorization

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Streptomyces cyaneus strain CECT 3335 laccase (sclA) gene, complete cds

GenBank: HQ857207.1

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Primer sequences

Sc1 ScLac-cp-NdeI CCATATGGAAACCGATATTATTGAACGCCTG

Sc2 ScLac-cp-XhoI CCTCGAGGAAGCCGGTATGGCCCCG

pCT7 ScLac-NheI-fw CTAGCTAGCACCGATATTATTGAACGCC

pCT8 ScLac-SalI-rv CGCGTCGACGCCGGTATGGCCCCG

T7 pro T7 promoter TAATACGACTCACTATAGG

T7 ter T7 terminator GCTAGTTATTGCTCAGCGG

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pCT rv pCT vector specific reverse GTCGATTTTGTACATCTACAC

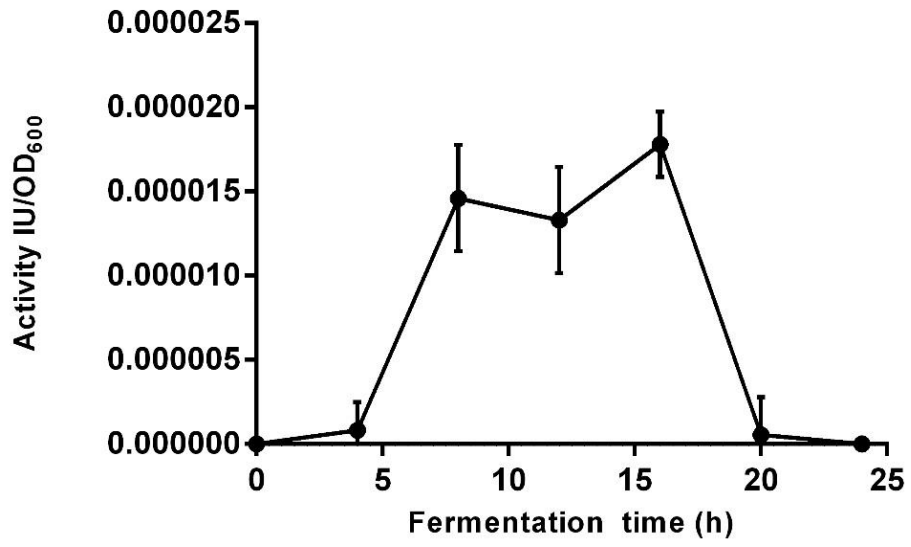


Fig. S1 Expression of laccase on the surface of yeast cells

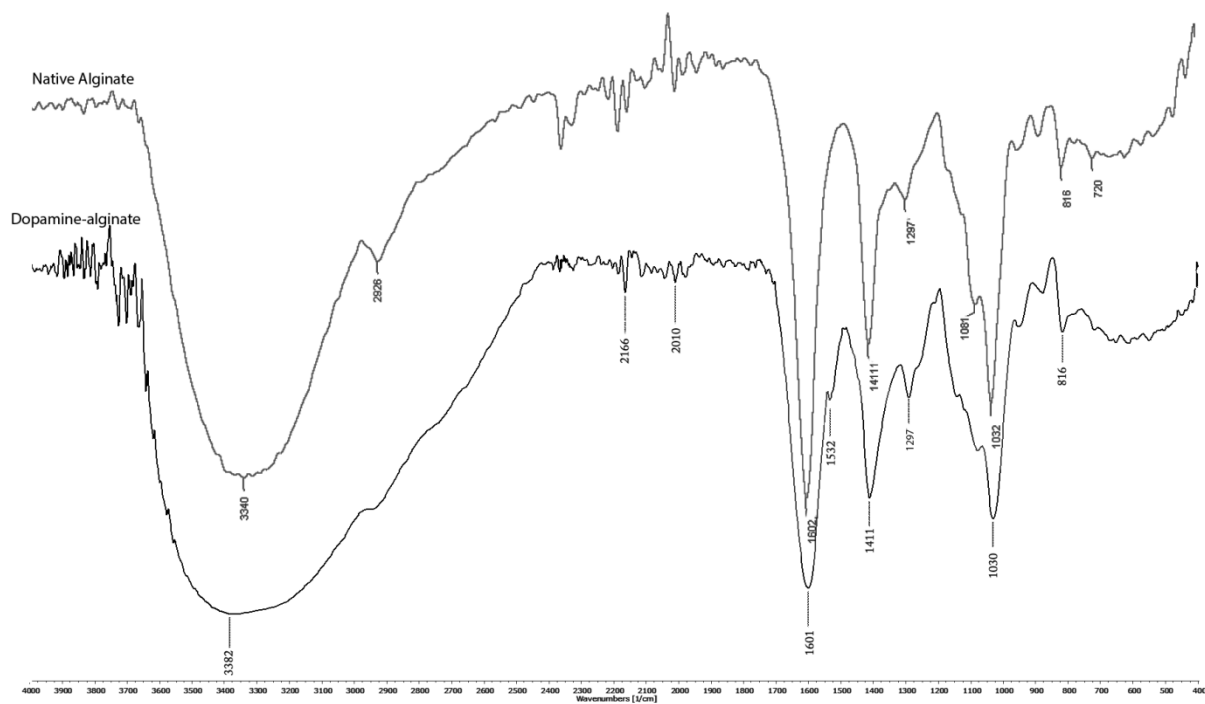


Fig. S2 FTIR spectra of native alginate and dopamine-alginate

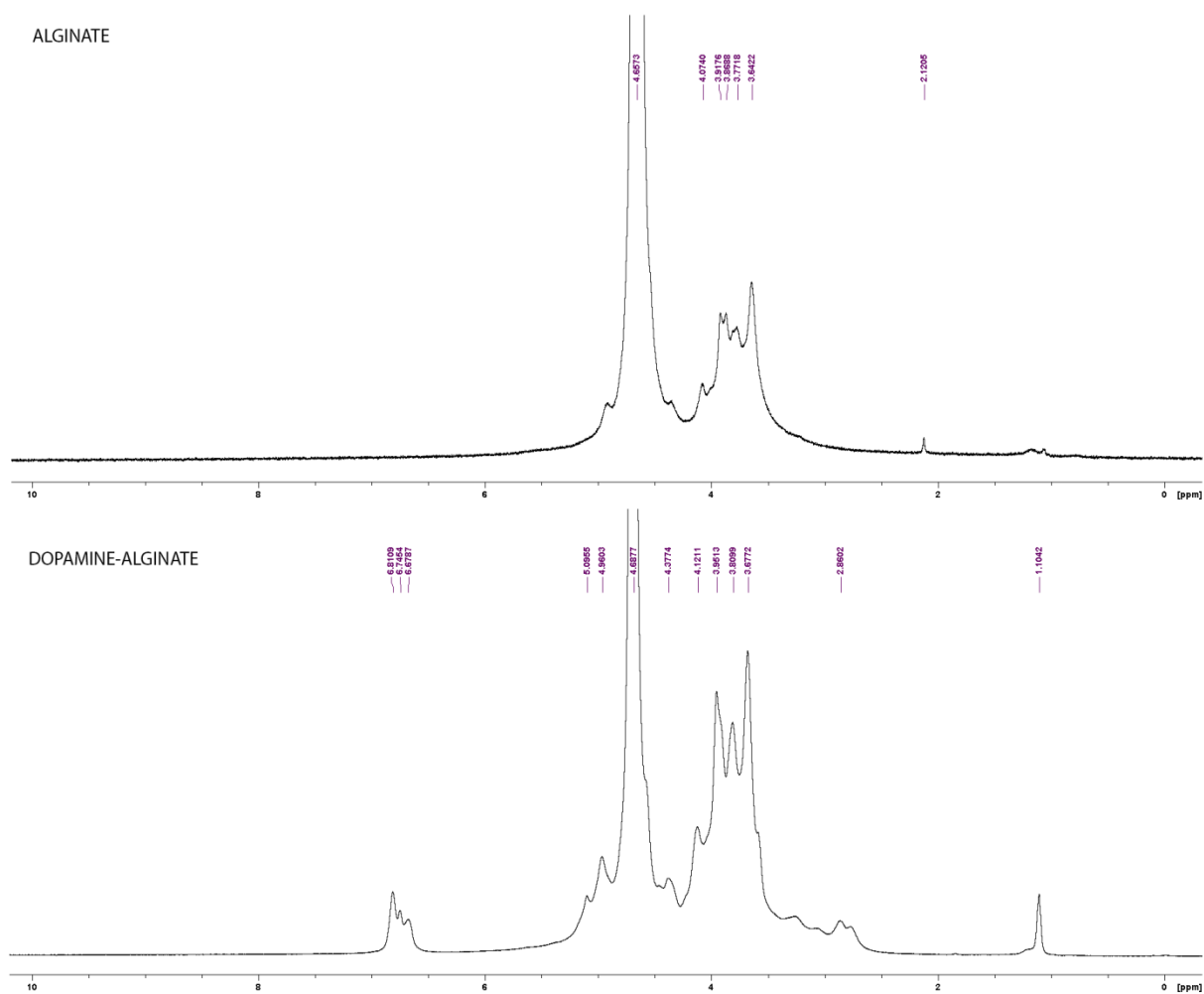


Fig. S3 H^1 NMR spectra of native alginate and dopamine-alginate