

Supplementary Materials

Table S1 List of fungi screened

Number in collection	Species	Division	Source
MUT 3398	<i>Bjerkandera adusta</i>	Basidiomycota	Mycotheca Universitatis Taurinensis (Turin, Italy)
MUT 3238	<i>Cladosporium herbarum</i>	Ascomycota	Mycotheca Universitatis Taurinensis (Turin, Italy)
IBPPM 543	<i>Fusarium oxysporum</i>	Ascomycota	IBPPM RAS
MUT4803	<i>Geotrichum candidum</i>	Ascomycota	Mycotheca Universitatis Taurinensis (Turin, Italy)
IBPPM 542	<i>Lecanicillium aphanocladii</i>	Ascomycota	IBPPM RAS
LE-BIN 2047	<i>Lenzites betulina</i>	Basidiomycota	Federal Research Centre “Fundamentals of Biotechnology” RAS
336	<i>Pleurotus ostreatus</i>	Basidiomycota	IBPPM RAS
D1	<i>Pleurotus ostreatus</i>	Basidiomycota	IBPPM RAS
IBPPM 540	<i>Pleurotus ostreatus</i> f. Florida	Basidiomycota	IBPPM RAS
LE-BIN 0432	<i>Pleurotus ostreatus</i>	Basidiomycota	Federal Research Centre “Fundamentals of Biotechnology” RAS
MUT 2977	<i>Pleurotus ostreatus</i>	Basidiomycota	Mycotheca Universitatis Taurinensis (Turin, Italy)
IBPPM 541	<i>Schizophyllum commune</i>	Basidiomycota	IBPPM RAS
LE-BIN 1963	<i>Steccherinum murashkinskyi</i>	Basidiomycota	Federal Research Centre “Fundamentals of Biotechnology” RAS
DSM11372	<i>Stropharia rugosoannulata</i>	Basidiomycota	Helmholtz Centre for Environmental Research – UFZ (Leipzig, Germany)
LE-BIN 1911	<i>Trametes gibbosa</i>	Basidiomycota	Federal Research Centre “Fundamentals of Biotechnology” RAS
LE-BIN 072	<i>Trametes hirsuta</i>	Basidiomycota	Federal Research Centre “Fundamentals of Biotechnology” RAS
LE-BIN 0275	<i>Trametes maxima</i>	Basidiomycota	Federal Research Centre “Fundamentals of Biotechnology” RAS
LE-BIN 093	<i>Trametes ochracea</i>	Basidiomycota	Federal Research Centre “Fundamentals of Biotechnology” RAS
DSM11269	<i>Trametes versicolor</i>	Basidiomycota	Helmholtz Centre for Environmental Research – UFZ (Leipzig, Germany)
MUT 3403	<i>Trametes versicolor</i>	Basidiomycota	Mycotheca Universitatis Taurinensis (Turin, Italy)

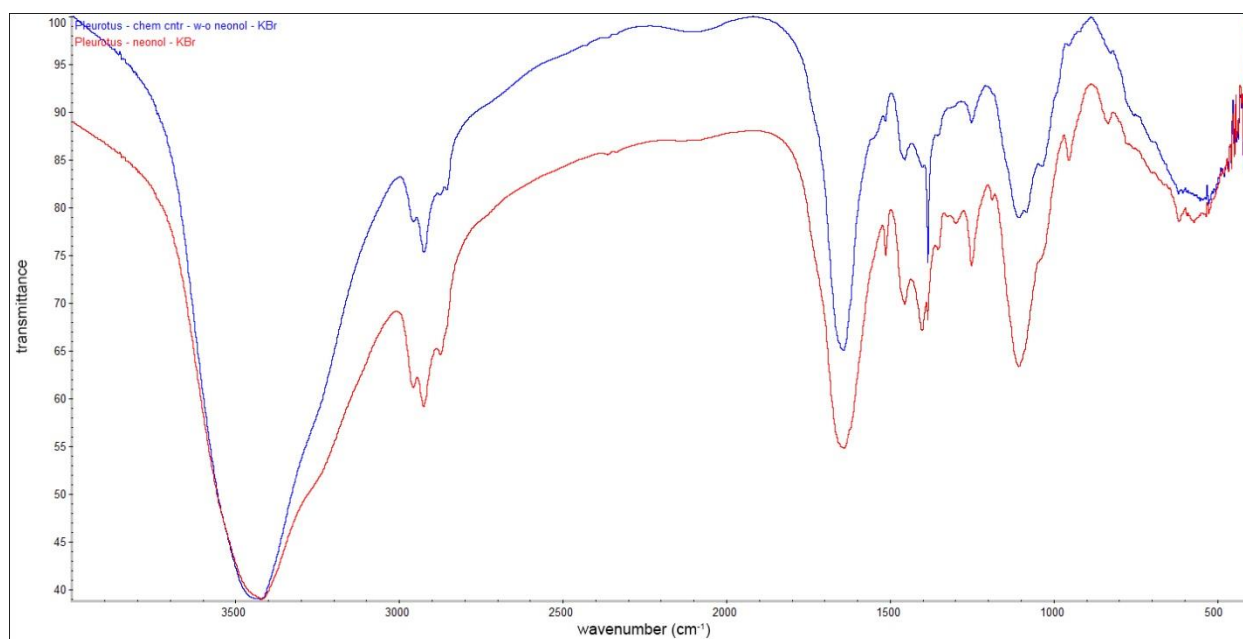


Figure S1. IR-spectra neonol AF9-12: control treatment (blue line) and after *P. ostreatus* Florida degradation (red line)

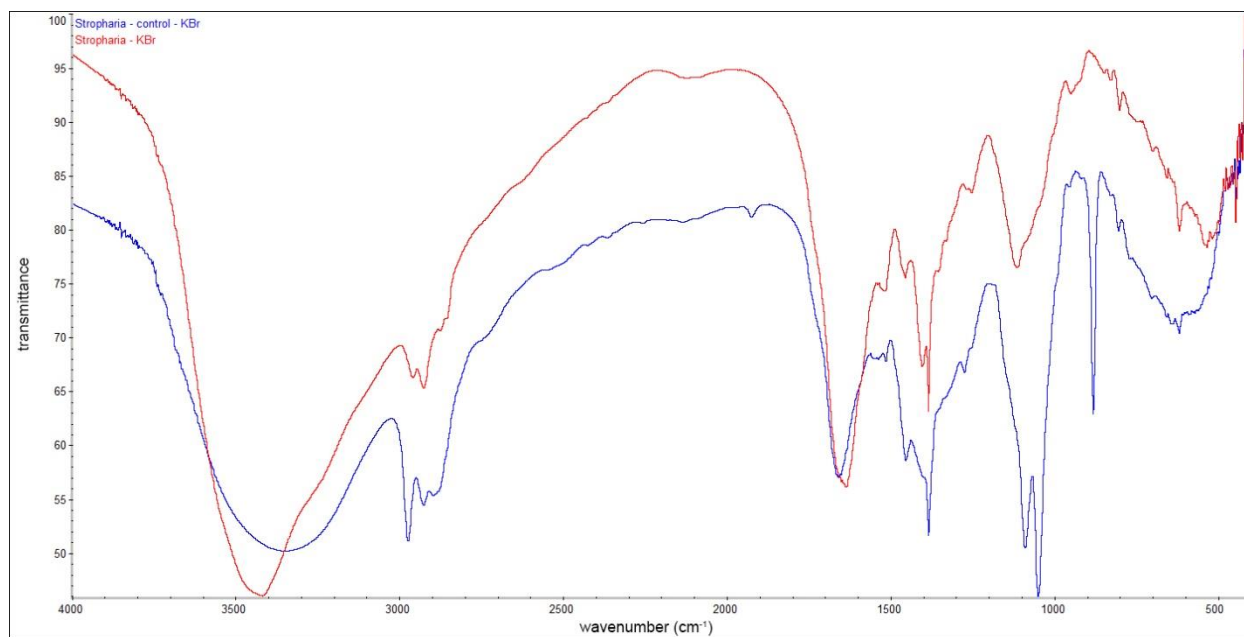


Figure S2. IR-spectra neonol AF9-12: control treatment (blue line) and after *S. rugosoannulata* degradation (red line)

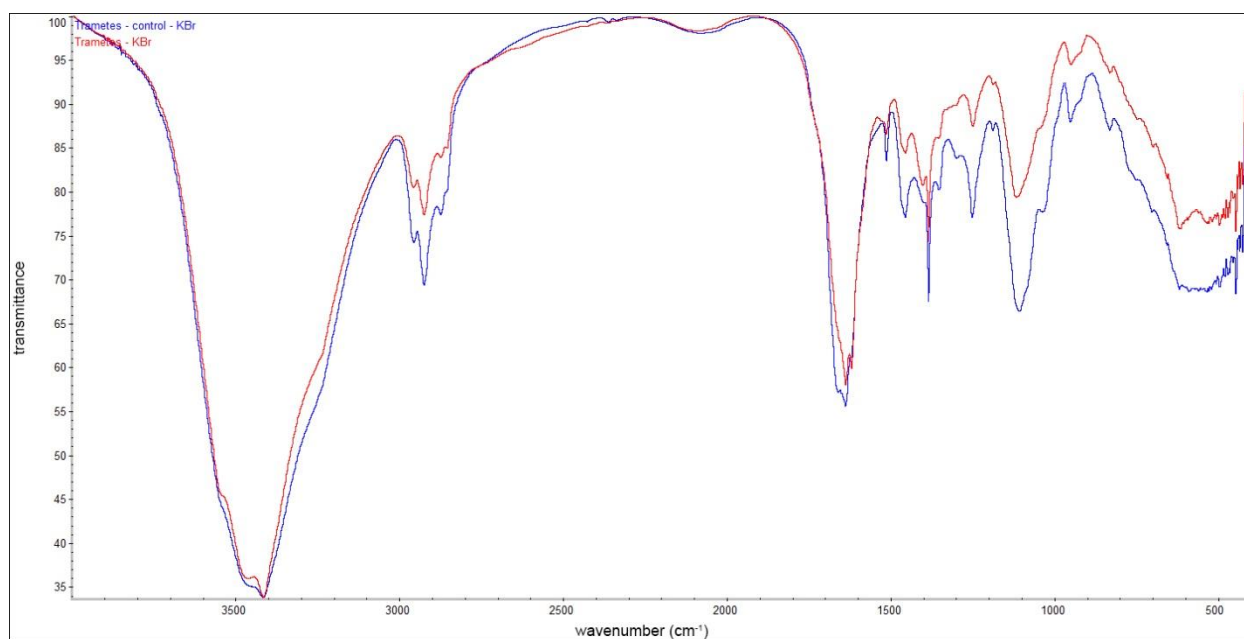


Figure S3. IR-spectra neonol AF9-12: control treatment (blue line) and after *T. versicolor* DSM degradation (red line)

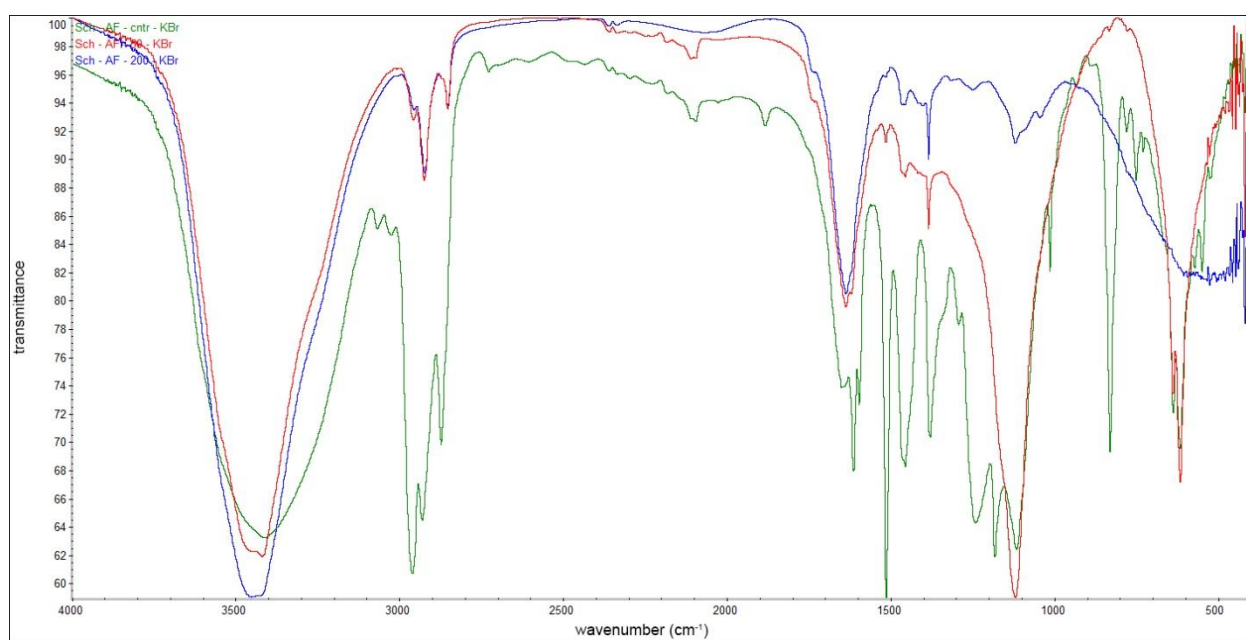


Figure S4. IR-spectra Isononylphenol: control treatment (green line) and after *Sch. commune* degradation (1 week – blue and 2 weeks – red lines)