

Table S1 Bacterial strains used in this study

Strain	Description	Reference
<i>Rhodococcus opacus</i>		
MITXM-61	Single-colony isolate of strain Xsp8C, evolved after plate cultivation on xylose	[56]
MITXM-61 ^{L33}	Single-colony isolate of MITXM-61, evolved after plate cultivation on lignin	This study
MITXM-61 ^{H6}	Single-colony isolate of MITXM-61, evolved after plate cultivation on 4-HB	This study
MITXM-61 ^{S1}	Single-colony isolate of MITXM-61, evolved after plate cultivation on syringaldehyde	This study
MITXM-61 ^{L53}	Single-colony isolate of MITXM-61 ^{L33} , evolved after sequential batch cultivation on lignin	This study
MITXM-61 ^{HL6}	Single-colony isolate of MITXM-61 ^{L53} , evolved after plate cultivation on 4-HB	This study
MITXM-61 ^{HL27}	Single-colony isolate of MITXM-61 ^{HL6} , evolved after sequential batch cultivation on 4-HB	This study
MITXM-61 ^{SHL18}	Single-colony isolate of MITXM-61 ^{HL27} , evolved after plate cultivation on syringaldehyde	This study
MITXM-61 ^{SHL33}	Single-colony isolate of MITXM-61 ^{SHL18} , evolved after sequential batch cultivation on syringaldehyde	This study