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<b>Title</b>	Cloning, expression and characterization of a $\beta$ -d-xylosidase from <i>Lactobacillus rossiae</i> DSM 15814T
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<b>Publication date</b>	2016-05-03
<b>Original citation</b>	Pontonio, E., Mahony, J., Di Cagno, R., O'Connell Motherway, M., Lugli, G. A., O'Callaghan, A., De Angelis, M., Ventura, M., Gobbetti, M. and van Sinderen, D. (2016) 'Cloning, expression and characterization of a $\beta$ -d-xylosidase from <i>Lactobacillus rossiae</i> DSM 15814T', <i>Microbial Cell Factories</i> , 15, 72 (12pp). doi: 10.1186/s12934-016-0473-z
<b>Type of publication</b>	Article (peer-reviewed)
<b>Link to publisher's version</b>	<a href="https://microbialcellfactories.biomedcentral.com/articles/10.1186/s12934-016-0473-z">https://microbialcellfactories.biomedcentral.com/articles/10.1186/s12934-016-0473-z</a> <a href="http://dx.doi.org/10.1186/s12934-016-0473-z">http://dx.doi.org/10.1186/s12934-016-0473-z</a> Access to the full text of the published version may require a subscription.
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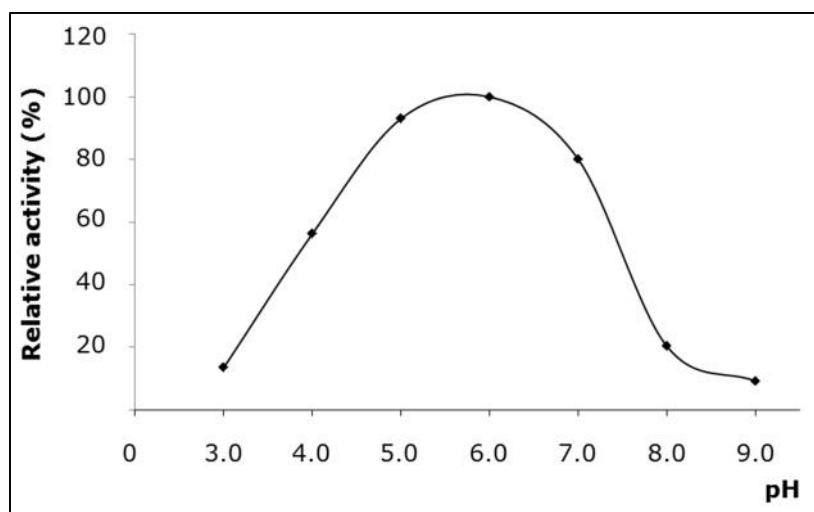
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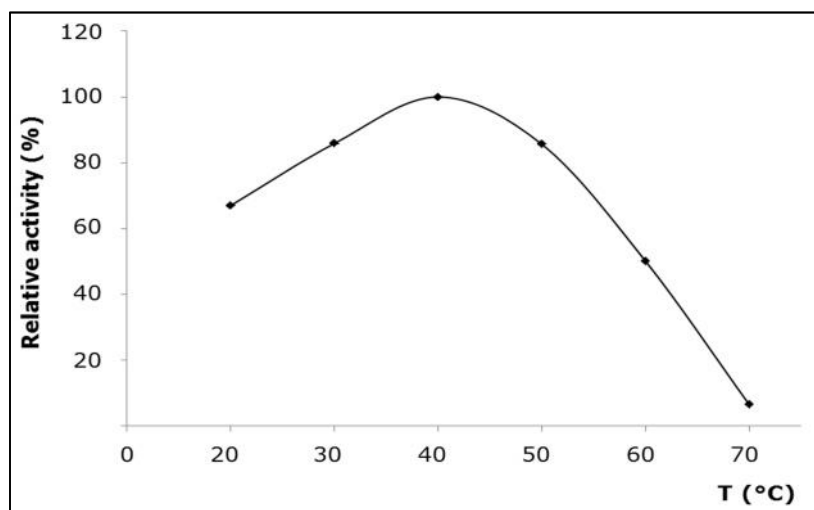


**Figure S1.** Effect of pH (A) and temperature (B) on the  $\beta$ -xylosidase activity of *Lactobacillus rossiae* DSM 15814<sup>T</sup>. Effect of pH was determined in Na-acetate (3.0 – 6.0), phosphate (6.0 – 7.0) and Tris-HCl (7.0 – 9.0) buffers, whereas the temperature was assayed in phosphate buffer (pH 6). The U refers to the increase of the absorbance at 410 nm in one minute per mg of protein. Reaction time 10 minutes.

(A)



(B)



**TABLE S1.** Gene sequences BLAST alignment

<b>Gene</b>	<b>Function</b>	<b>Accession number</b>	<b>E-value</b>	<b>Identity</b>
<b><i>xyl</i> cluster</b>				
<b>LROS_1106</b>	Hypothetical protein	121447	0.0	100%
<b>LROS_1107</b>	Aldose 1 epimerase	206431	0.0	100%
<b><i>xylA</i></b>	-xylosidase	141219	0.0	99%
<b><i>xynT</i></b>	Xyloside transporter	99065	0.0	99%
<b><i>xylT</i></b>	D-xylose proton symporter	19897	3e-173	100%
<b><i>xylI</i></b>	Xylose isomerase	229077	0.0	100%
<b><i>xylK</i></b>	Xylulose kinase	25965	0.0	99%
<b><i>xylR</i></b>	Transcriptional regulator	190937	0.0	99%
<b><i>ara</i> cluster</b>				
<b><i>araA</i></b>	L-arabinose isomerase	167475	0.0	100%
<b><i>araB</i></b>	Ribulokinase	240627	0.0	100%
<b><i>araD</i></b>	L-ribulose-5-phosphate-4-epimerase	53991	0.0	100%
<b><i>araR</i></b>	Transcriptional repressor 2C GnT family	116651	0.0	99%
<b><i>araRS</i></b>	Transcriptional regulator ArsR family	60305	0.0	99%