Erratum to: Thermophilic Hydrogen Production from Renewable Resources: Current Status and Future Perspectives

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The units for H₂ yield in Table 1 were printed incorrectly as “mmol/L/h” instead of “mol/mol hexose”.

The correct version is shown below.

The online version of the original article can be found at <http://dx.doi.org/10.1007/s12155-012-9184-4>.

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Table 1 Comparison of H₂ production capabilities of thermophilic bacteria on different carbon feedstocks

Organism	Temp (°C)	Substrate	Major metabolites	H ₂ yield (mol/mol hexose)	Vol H ₂ productivity (mmol/L/h)	References
<i>Thermotoga maritima</i> DSM 3109	80	Glucose	Acetate	4.0	0.58	[81]
<i>Thermotoga neapolitana</i> DSM 4359	85	Glucose	Acetate and lactate	3.8	0.80	[61]
	77	Glucose	Acetate and lactate	4.1	0.86	[61]
	70	Glucose	Acetate and lactate	3.5	0.47	[61]
	65	Glucose	Acetate and lactate	3.3	0.27	[61]
<i>Caldicellulosiruptor owensensis</i> DSM 13100	70	Glucose	Acetate and lactate	3.8	15.00	[119]
<i>Thermotoga elfii</i> DSM 9442	65	Glucose	Acetate	3.3	4.50	[108]
<i>Caldicellulosiruptor saccharolyticus</i> DSM 8903	70	Glucose	Acetate and lactate	3.6	20.00	[21]
	70	Glucose	Acetate	2.5	9.211.3	[38]
	70	Xylose	Acetate and lactate	2.2 ^a	9.211.3	[38]
<i>C. owensensis</i> DSM 13100	70	Xylose	Acetate and lactate	2.7 ^a	9.00	[119]
<i>Thermococcus kodakarensis</i> KOD1	85	Starch	Acetate and alanine	3.3	6.70	[39]
<i>T. neapolitana</i> DSM 4359	80	Potato peels	Acetate and lactate	3.5	13.10	[55]
<i>C. saccharolyticus</i> DSM 8903	70	Wheat straw	ND	3.8	1.58 ^b	[33]
<i>Clostridium thermocellum</i> ATCC 27405	60	α -cellulose	Acetate, lactate, and ethanol	1.6	5.06	[52]
<i>C. thermocellum</i> JN4 & <i>Thermoanaerobacterium thermosaccharolyticum</i> GD17	60	α -cellulose	Butyrate	1.8	55	[49]
<i>C. saccharolyticus</i> DSM 8903	70	Pine wood	ND	ND	0.67	[32]
	70	Sweet sorghum	ND	1.8	1.07 ^b	[33]
	70	Maize leaves	ND	1.8	0.55 ^b	[33]
	70	Silphium leaves	ND	0.5	0.29 ^b	[33]
	70	Sugarcane plant	ND	2.3	0.65 ^b	[33]
<i>Caldicellulosiruptor bescii</i> sp. nov. DSM 6725	75	Switchgrass	Acetate and lactate	ND	0.16	[116]

^a mol H₂/mol pentoses according to the equation: $3C_5H_{10}O_5 + 5H_2O \rightarrow 10H_2 + 5CH_3COOH + 5CO_2$
^b mmol H₂ produced/g dry biomass (converted from the reported value)