

**Table S1.** Xylose-utilizing yeasts isolated from natural samples and its sources

No.	Isolates	Types of samples	Sources
1	CMUMY1-P1	Rotten pineapple	Muang District, Chiang Rai
2	CMUMY1-P3	Rotten pineapple	Muang District, Chiang Rai
3	CMUMY1-P4	Rotten pineapple	Muang District, Chiang Rai
4	CMUMY2-P1	Rotten pineapple	Muang District, Chiang Rai
5	CMUMY2-P2	Rotten pineapple	Muang District, Chiang Rai
6	CMUMY3-4	Decayed wood	Muang District, Chiang Rai
7	CMUMY3-5	Decayed wood	Muang District, Chiang Rai
8	CMUWF1-2	Soil	Mae Taeng District, Chiang Mai
9	CMUWF2-2	Soil	Mae Taeng District, Chiang Mai
10	CMULP5	Soil	Muang District, Chiang Mai
11	CMULP6	Soil	Muang District, Chiang Mai
12	CMULP7	Soil	Muang District, Chiang Mai
13	CMUF1	Soil	Muang District, Chiang Mai