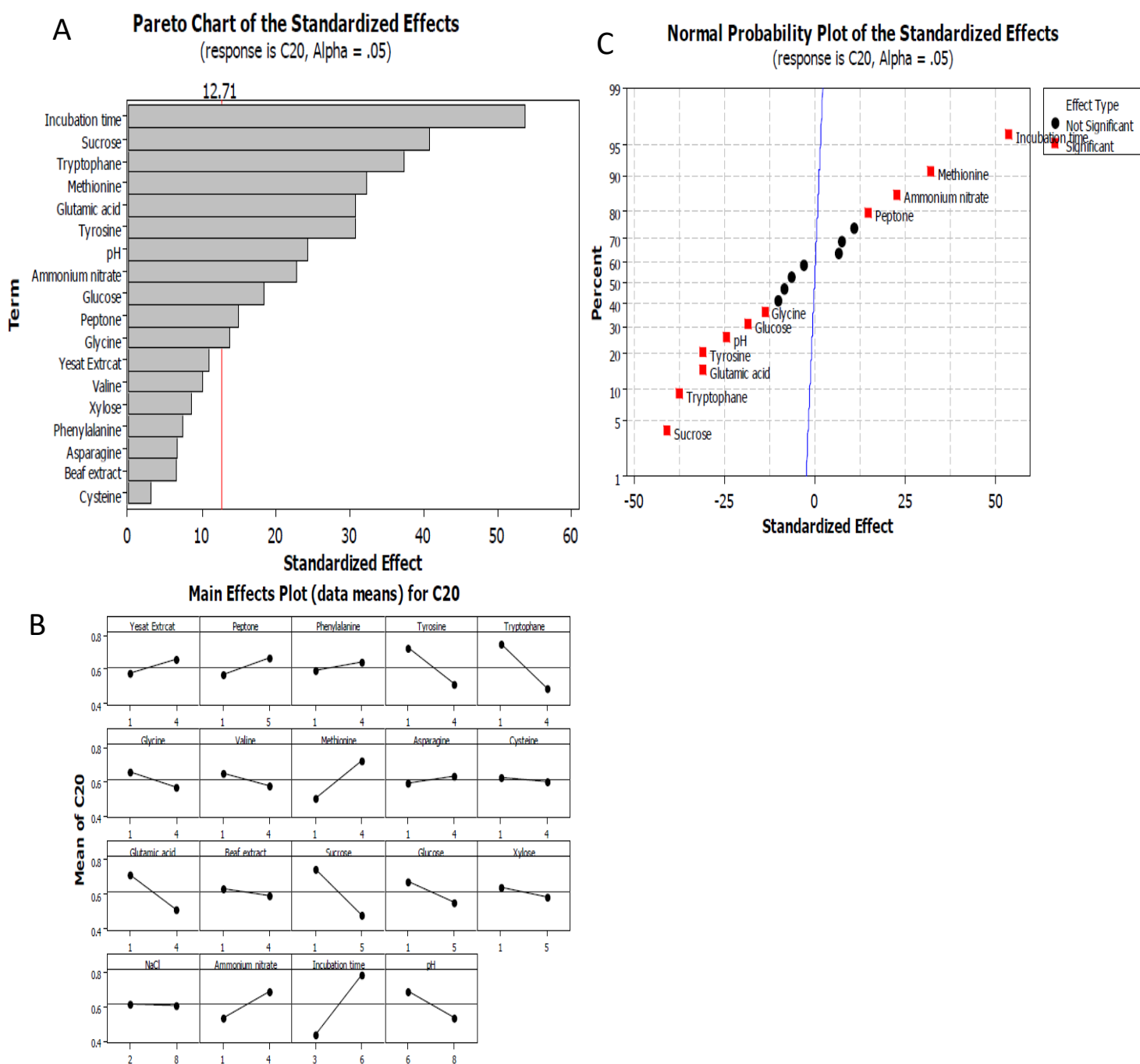


**Table S1:** Screening for Taxadiene Synthase producing bacteria

Code #	Bacterial Isolate #	Taxadiene synthase ( $\mu\text{mol}/\text{mg}/\text{min}$ )
1	<b>1</b>	0
2	<b>5</b>	0
3	<b>11</b>	0
4	<b>10</b>	2.4
5	<b>13</b>	0
6	<b>16</b>	0
7	<b>20</b>	0
8	<b>21</b>	0
9	<b>23</b>	0
10	<b>26</b>	0
11	<b>30</b>	0
12	<b>31</b>	0
13	<b>32</b>	0
14	<b>33</b>	0
15	<b>34</b>	0
16	<b>35</b>	0
17	<b>36</b>	0
18	<b>37</b>	2.1
19	<b>38</b>	1.9
20	<b>39</b>	2.6
21	<b>40</b>	2.5
22	<i>Bacillus koreensis</i>	8.88
23	<i>Stenotrophomonas maltophilia</i>	4.62



**Figure S1.** Nutritional optimization of *Bacillus koreensis* for maximizing the yield of DS production using the response surface methodology by Plackett-Burman design. A, Pareto Chart of the standardized effect of the tested variables for TDS production by *B. koreensis*. B, Main effects of the nineteen tested variables affecting TDS production. C, Normal probability of the standardized effects of the variables.