

## Supplementary material

AMB Express

Novel starter cultures *Virgibacillus* spp. selected from grasshopper sub shrimp paste to inhibit biogenic amines accumulation

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## Decarboxylase negative strains

Table s1 37 decarboxylase negative strains

Number	Strains	Number	Strains
1	<i>Planococcus citreus</i>	20	<i>Cellulosimicrobium marinum</i>
2	<i>Paenibacillus lautus</i>	21	<i>Staphylococcus haemolyticus</i>
3	<i>Rhizobium pusense</i>	22	<i>Virgibacillus halodenitrificans</i>
4	<i>Dermacoccus barathri</i>	23	<i>Bacillus invictae</i>
5	<i>Allobacillus halotolerans</i>	24	<i>Bacillus zhangzhouensis</i>
6	<i>Pantoea eucrina</i>	25	<i>Sporosarcina saromensis</i>
7	<i>Staphylococcus xylosum</i>	26	<i>Virgibacillus pantothenicus</i>
8	<i>Sporosarcina koreensis</i>	27	<i>Psychrobacter sp.</i>
9	<i>Bacillus megaterium</i>	28	<i>Bacillus pacificus</i>
10	<i>Bacillus aryabhatai</i>	29	<i>Micrococcus yunnanensis</i>
11	<i>Staphylococcus epidermidis</i>	30	<i>Oceanobacillus picturae</i>
12	<i>Jeotgalicoccus halophilus</i>	31	<i>Staphylococcus cohnii</i>
13	<i>Oceanobacillus oncorhynchi</i>	32	<i>Tetragenococcus halophilus</i>
14	<i>Staphylococcus hominis</i>	33	<i>Bacillus cereus</i>
15	<i>Bacillus horikoshii</i>	34	<i>Halophilic Lactobacillus</i>
16	<i>Bacillus wiedmannii</i>	35	<i>Bacillus aerius</i>
17	<i>Bacillus safensis</i>	36	<i>Virgibacillus sp.</i>
18	<i>Bacillus pumilus</i>	37	<i>Oceanobacillus caeni</i>
19	<i>Oceanobacillus iheyensis</i>		