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NOVEL PSYCHROLIKE BACTERIA FROM
COSTAL SEA WATER OF KOREA

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A notable proportion of the microbiota in sea water collected from a costal region in Chun-Nam(Hajunri) is consisted of gram-negative, coccoid bacteria identified on the basis of their phospholipid ester-linked fatty acid as *Psychrobacter* strains. Phenotypic, genotypic analyses revealed that the *Psychrobacter* strains belonged to three distinct groups.

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PROPOSE OF *VIBRIO ALGINOLYTICUS* SUBSPECIE
BY SDS-PAGE OF WHOLE-CELL PROTEINS

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Twenty-four *Vibrio* were isolated from the costal seawater of South Korea. they were identified as *vibrio alginolyticus* on the basis of the 154 types morphological, physio-biochemical, chemosystematical characteristics. After that, 24 *vibrio alginolyticus* were divided into two groups according to the DNA-DNA hybridization experiment. The DNA-DNA homology showed levels of 70-80% between two groups but the relatedness indicated over then 92% within the each group. Also SDS-PAGE clustering pattern is matched with DNA homology data. A numerical analysis was performed on one-dimensional whole-cell protein electrophoretic fingerprints of bacterial reference strains of the vibrio. We propose that SDS-PAGE be useful technique for rapid, reliable identification of *vibrio*. And we suggest that *vibrio alginolyticus* would have subspecie.