Complete Chloroplast Genome Sequence of Korean Endemic Species, *Pseudostellaria longipedicellata*

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*Pseudostellaria* Pax (Caryophyllaceae) is a small genus distributed in temperate region. It consists of 25 species presenting high diversity in Asia. *Pseudostellaria longipedicellata* S. Lee, K. Heo & S. C. Kim was first announced as new species in 2012. Morphological characters of *P. longipedicellata* are closely related to those of *Pseudosotellaria palibiniana* and *Psedusotellaria okmotoi*. These are distinguished from *P. longipedicellata* by shorter pedicel and puberulent pedicels, respectively and by being distributed allopatrically between *P. longipedicellata* and rest of species. The complete chloroplast genome of *P. longipedicellata* was successfully rescued from raw reads generated by HiSeq2000. Its total length is 149,626 bp consisting of four regions: large single copy (LSC) region (81,292 bp), small single copy (SSC) region (16,984bp), and inverted repeats (IRs; 25,765 bp per each). It contained 126 genes (81 coding DNA sequence (CDS), eight rRNAs, and 37 tRNAs); 18 genes (seven CDS, four rRNAs, and seven tRNAs) are duplicated in inverted repeat regions. The overall GC content of *P. longipedicellata* is 36.5% and in the LSC, SSC, and IR regions were 34.3%, 29.3%, and 42.4%, respectively. Based on phylogenetic analysis of chloroplast genomes of *P. longipedicellata* and relatives species presents clear phylogenetic positions of *Pseudostellaria* genus. This chloroplast genome will be an important sequence resources for further researches of *Pseudostellaria* genus.

**Key words:** *Pseudostellaria, Pseudostellaria longipedicellata, Chloroplast genome, Caryophyllaceae*

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