## Distribution of Wolbachia Among Arthropods in Korea

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Wolbachia are cytoplasmically inherited bacteria that cause a number of reproductive alternations in many arthropod species, incompatibility, parthenogenesis and reproductive including feminnization of genetic males. Recent survevs have shown Wolbachia to be quite common, but their distribution among arthropods in Korea has not been well studies. 51 arthropod species was tested for presence of Wolbachia using an assay based upon PCR amplification of the ftsZ protein coding gene from Wolbachia. Wolbachia were detected in 9 of 37 insect species (24.3%) and 4 of 14 arachnids (28.6%); in insects, Acarina(1/1; infected/tested) Diptera (2/2), Homoptera (2/6), Hemiptera (3/7), and Othoptera (1/3) and in arachnids, Araneidae (2/6), Lycosidae(1/1), and Tetragnathidae(1/1).