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## Lower Pleistocene Eb-Fukuda and Ho-Kd39 tephra under the Tokyo International Airport at Haneda, Central Japan

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Two lower Pleistocene significant marker tephra beds, Ebisutoge-Fukuda (Eb-Fukuda) and Hodaka-Kd39 Tephra (Ho-Kd39), are detected in underground sediments of Kazusa Group at the D runway of the Tokyo International Airport (Haneda,) Tokyo, central Japan. Identifications of these tephra beds were conducted by determination of geochemistry of volcanic glass shards included in these beds. T-11 Tephra (AP-211.67-211.70m) and T-15 (AP-218.93-218.97m) in No. A-6 core are identical to Eb-Fukuda (1.75Ma) and Ho-Kd39 (1.76Ma), respectively. Sato et al. (2004) recognized the Omine-SK100 Tephra (1.60-1.65Ma) ca. 100 m below the sea level in the Haginaka Park, 5 km northwest of the D runway. Accumulation rate (2.3m/10,000years) above the Omine-SK100 Tephra determined by Sato et al. (2004) and that in No.A-6 core by this study are concordant with depth and ages of the Omine-SK100 Tephra and Eb-Fukuda.

Keywords: Tokyo, Early Pleistocene,, tephra, Kazusa Group, underground