

# Novel *WDR72* Mutations Causing Hypomaturation Amelogenesis Imperfecta

Youn Jung Kim<sup>1</sup>, Hong Zhang<sup>2</sup>, Yejin Lee<sup>1</sup>, Figen Seymen<sup>3</sup>, Mine Koruyucu<sup>4</sup>, Yelda Kasimoglu<sup>4</sup>, James P. Simmer<sup>2</sup>, Jan C.-C. Hu<sup>2</sup>, Jung-Wook Kim<sup>1,5\*</sup>

<sup>1</sup>Department of Pediatric Dentistry & Dental Research Institute  
School of Dentistry, Seoul National University, Seoul, Korea.

<sup>2</sup>Department of Biologic and Materials Sciences, School of Dentistry  
University of Michigan, Ann Arbor, MI, USA.

<sup>3</sup>Department of Paediatric Dentistry, Faculty of Dentistry  
Altinbas University, Istanbul, Turkey.

<sup>4</sup>Department of Paediatric Dentistry, Faculty of Dentistry  
Istanbul University, Istanbul, Turkey.

<sup>5</sup>Department of Molecular Genetics & Dental Research Institute  
School of Dentistry, Seoul National University, Seoul, Korea.

## \*Correspondence to:

Jung-Wook Kim, D.D.S., M.S.D, Ph.D.  
Department of Molecular Genetics  
Department of Pediatric Dentistry & Dental Research Institute  
School of Dentistry, Seoul National University  
101 Daehak-ro, Jongno-gu, Seoul, 03080, Korea  
Tel: +82-2-2072-2639, Fax: +82-2-744-3599  
E-mail: pedoman@snu.ac.kr

**Table S1. Statistics for exome sequencing.**

Sample		Total reads	Mapping rate (%)	Median target coverage	Coverage of target region (%)	Fraction of target covered with at least	
						20X	10X
Family 1	IV:4	72,646,317	98.2	70	96.4	91.7	95.0
Family 2	IV:2	121,948,763	99.1	91	96.2	93.2	95.1
Family 3	III:3	62,823,866	97.7	59	98.7	93.7	97.7
	III:4	70,252,242	97.7	63	98.6	96.6	98.1
	IV:1	45,215,908	98.1	39	98.6	87.6	97.2
Family 4	III:1	101,299,742	98.7	91	98.8	97.8	98.3
	III:2	78,607,702	98.8	73	98.7	97.0	97.9
	IV:1	95,540,376	99.2	89	98.7	97.6	98.1