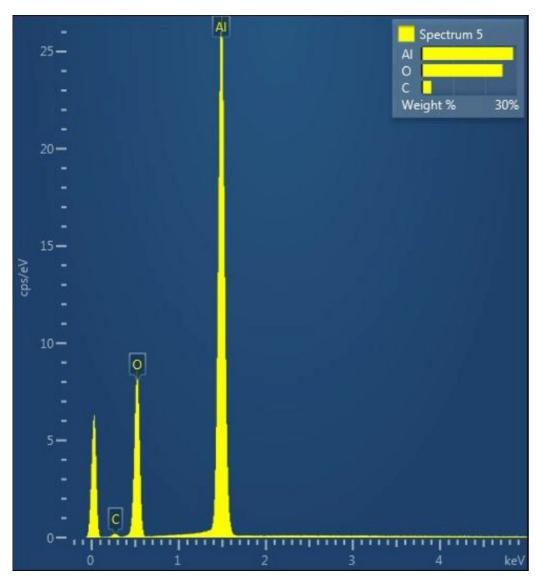
## **Electronic supplementary information** Formation of in-situ HVPE a-plane GaN nanodot: Effects on the

## structural properties of a-plane GaN template

Moonsang Lee<sup>a, +</sup>, Mino Yang<sup>b</sup>, Jung-Sub Wi, and Sungsoo Park<sup>c, d, +</sup>

<sup>a</sup>Korea Basic Science Institute, Daejeon, 169-148, Republic of Korea
<sup>b</sup>Korea Basic Science Institute, Seoul Center, Seoul, 5, Republic of Korea
<sup>c</sup>Center for Nano-Bio Measurement, Korea Research Institute of Standards and Science,
267 Gajeong-ro, Yuseong-gu, Daejeon 34113, Republic of Korea
<sup>d</sup>Jeonju University, Department of Science Education, Jeonju, 303, Republic of Korea
<sup>e</sup>Jeonju University, Analytical Laboratory of Advanced Ferroelectric Crystals, Jeonju, 303,
Republic of Korea



Element	Line Type	Apparent Concentration	Wt%	Atomic %
С	K series	0.36	3.11	8.86
0	K series	26.53	25.52	54.57
Al	K series	28.86	28.83	36.56
Total:			57.47	100.00

**Fig. S1** EDX analysis of bare sapphire substrate without any surface treatment. Reproduced from Ref. 19 with permission from the Royal Society of Chemistry.