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Supporting information for article:

**Synthesis and structural characterization of the type-I clathrates
 $\text{K}_8\text{Al}_x\text{Sn}_{46-x}$ and $\text{Rb}_8\text{Al}_x\text{Sn}_{46-x}$ ($x \approx 6.4\text{--}9.7$)**

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Fig. S1. (a) Representation of the fraction of Al atoms on each of the 6*c*, 16*i*, and 24*k* sites in the four refined $K_8Al_xSn_{46-x}$ structures. (b) Representation of the fraction of Al atoms on each of the 6*c*, 16*i*, and 24*k* sites in the four refined $Rb_8Al_xSn_{46-x}$ structures. In all cases, the percentages are calculated as amount Al at each site, normalized to the total amount of Al per structure. Color code: blue – site 6*c*; green – site 16*i*; and red – site 24*k*. The exact occupation factors for each structure are listed in Table 1.

