Supporting Information

Exocyclic Carbons Adjacent to the N^6 of Adenine are Targets for Oxidation by the *Escherichia coli* Adaptive Response Protein AlkB

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Table S1. Percentages of the four species in the AlkB reactions on EA at 1, 2, 5, 10, 20, 40, 60, and 80 minute incubation time points (Data presented in Figure 4).

Reaction time (min)	A%	EA+2%	EA+16%	EA+32%
1	2.6	7.0	89.7	0.7
2	2.9	7.0	89.4	0.7
5	2.7	5.1	91.5	0.6
10	4.4	7.9	86.9	0.8
20	5.9	8.9	84.2	1.0
40	6.3	9.7	83.0	1.0
60	8.9	11.2	78.7	1.2
80	10.0	11.3	77.4	1.3

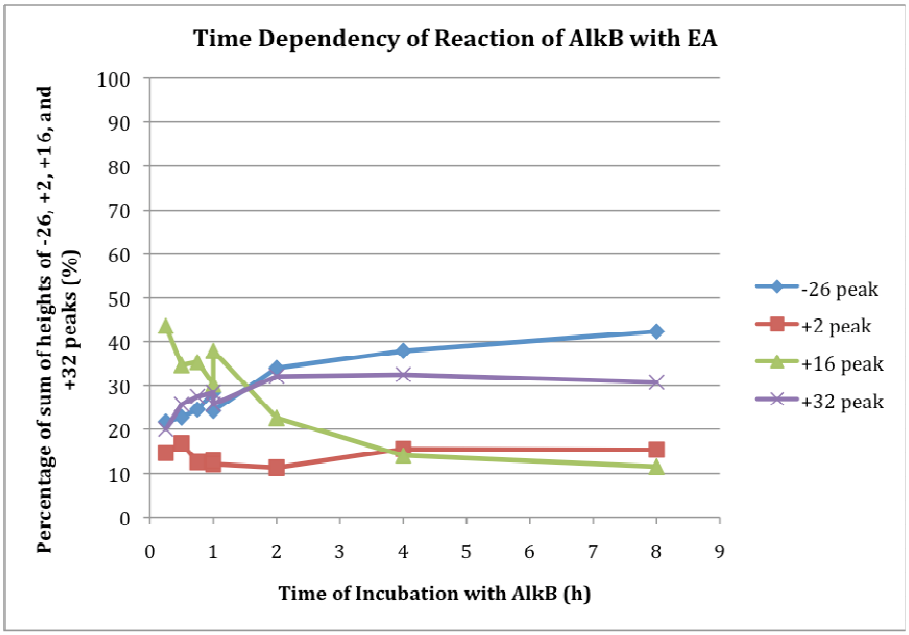

Figure S1. Time dependence of EA reaction with AlkB (Molar ratio: DNA:AlkB = 2:1).

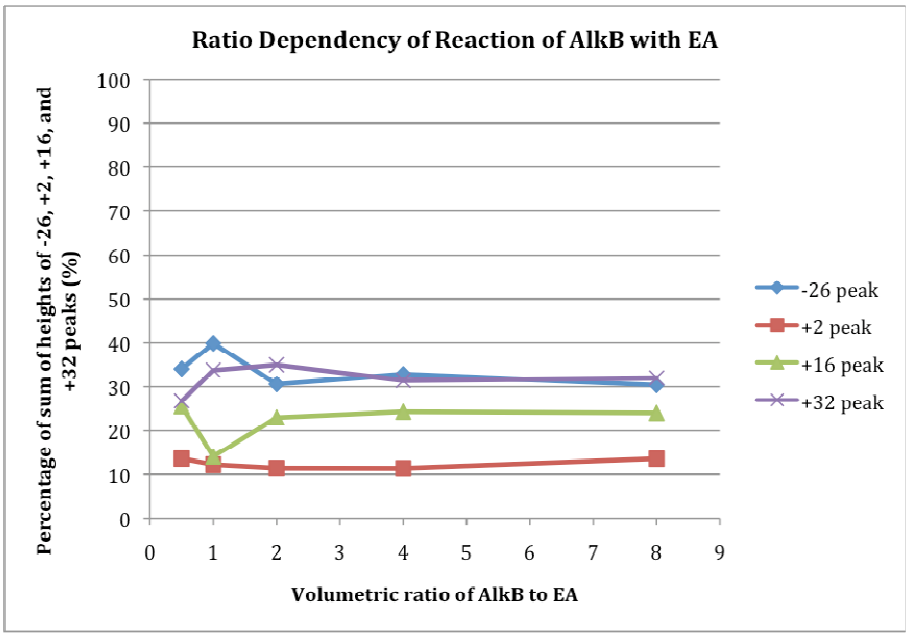

Figure S2. Stoichiometric dependence of EA reaction with AlkB (4h Reaction, molar ratio: DNA:AlkB = 2:1/2:2/2:4/2:8/2:16).

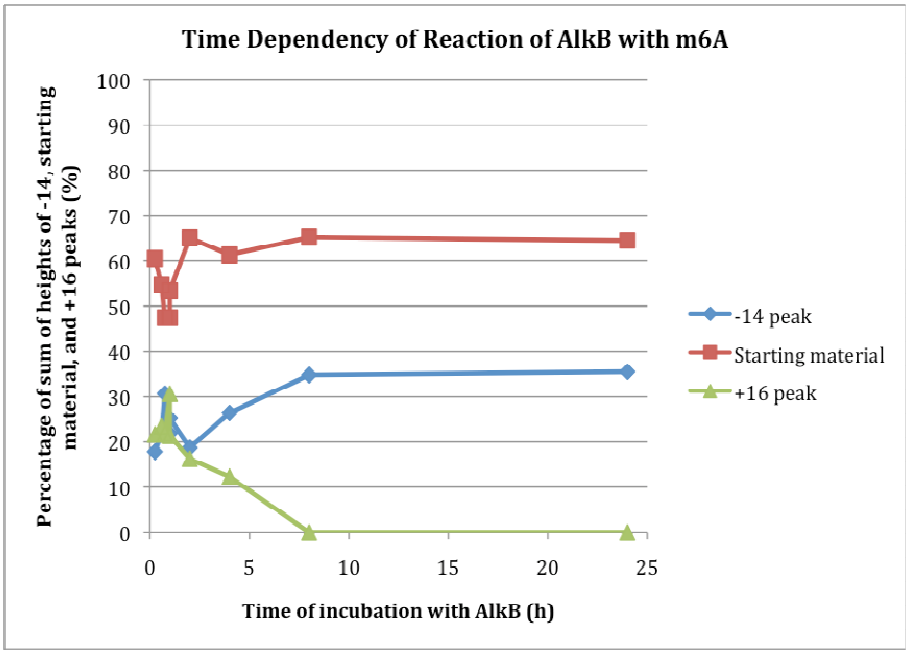

Figure S3. Time dependence of m6A reaction with AlkB (Molar ratio: DNA:AlkB = 2:1).

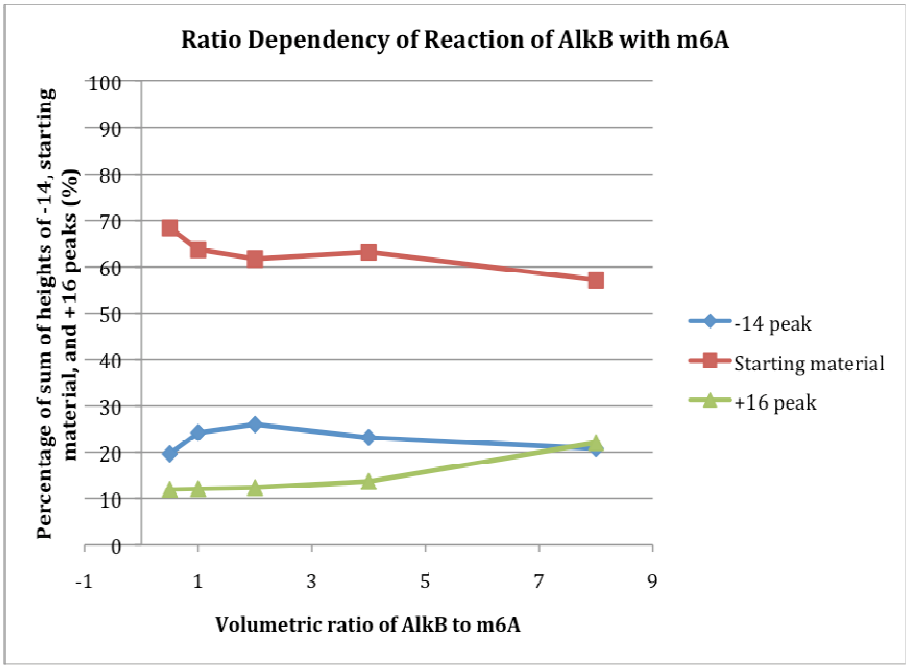

Figure S4. Stoichiometric dependence of m6A reaction with AlkB (4h Reaction, volumetric ratio: DNA:AlkB = 2:1/2:2/2:4/2:8/2:16).