TABLE S8. Summary of the sensitivity of various restriction endonucleases to DNA modifications introduced by the JCM7686_1231, JCM7686_2255 and JCM7686_2934 proteins (m⁶A MTases).

REase	Recognition site	Sensitivity to m ⁶ A	Number of sites in pET28_JCM7686_2934	Number of sites in pET28_JCM7686_2255	Number of sites in pET28_JCM7686_1231	Cleavage
Hinfl	G <u>A</u> NTC	S	19	19	18	N
Alul	<u>A</u> GCT	S	25	25	22	Y
Csel	G <u>A</u> CGC	S	14	14	13	Y
NIalli	C <u>A</u> TG	U	32	32	30	Y
Tail	<u>A</u> CGT	S	14	14	14	Y
Tasl	<u>A</u> ATT	U	23	23	21	Y
Tru1l	TTA A	U	25	25	25	Y

Y – complete cleavage; N – no digestion; S – sensitive to m^6A ; U – unknown sensitivity to m^6A ; **A** – the enzyme will not cleave if the **marked** adenine is methylated; A – there are no data on the sensitivity of the enzyme to methylation of the unmarked adenine.