

Table S1. Results of Newcastle – Ottawa scale (NOS) assessment for the included studies.

Author	Year	Selection	Comparability	outcome	Total NOS star rating
Sabry, D	2016	4	1	3	8
Kupcinskaite-Noreikiene, R	2016	3	1	3	7
Yoda, Y	2015	4	1	3	8
Teng, Y	2015	3	1	3	7
Liu, L	2015	3	1	3	7
Li, Y	2015	4	0	3	7
Zhou, W	2015	4	1	3	8
Wang, M	2014	3	1	3	8
Jin, J	2014	3	1	3	8
Moghbeli, M	2014	4	0	3	7
Guo, H	2014	3	1	3	7
Ying, J	2014	4	0	3	7
Xiong, H. L	2013	4	1	3	8
Kupcinskaite-Noreikiene, R	2013	4	1	3	8
Alvarez, M. C	2013	3	1	3	7
Kim, K. J	2013	3	1	3	7
Wani, M	2012	4	1	3	8
Mir, M. R	2012	3	1	3	7
Alves, M. K	2011	4	0	3	7
Mikata, R	2010	4	1	3	8
Hiraki, M	2010	4	1	3	8
Ferrasi, A. C	2010	3	1	3	7
Gu, M	2009	3	1	3	7
Moura Lima, E	2008	3	1	3	7
Kolesnikova, E. V	2008	4	1	3	8
Wu, A	2008	3	1	3	7

Table S2. The probe sequences of methylation site.

Probe Name	Sequence
cg18320188 unmethylated sequence	TAATTATAATCAAAAAATCTTCTTACACCTCC AACTCAAACCTACACCA
cg18320188 methylated sequence	TAATTATAATCAAAAAATCTTCTTACACCTCC AACTCAAACCTACACCG
cg02279071 unmethylated sequence	AAATCCTCTACCTTATAATATCTAAAAATAAA TCAACACCTTACAAAACA
cg02279071 methylated sequence	AAATCCTCTACCTTATAATATCTAAAAATAAA TCAACGCCTTACAAAACG