APPENDICES

APPENDIX A

1. Typical cDNA synthesis reaction by using an iScriptTM reverse transcription (RT) supermix kit

Components of reactions

Component	Volume	Final concentration
dNTP Mix (10 mM each)	2 µl	1 mM (each dNTP)
RNase Inhibitor, 40 U/ µl	0.5 µl	1U/ µl
Oligo (dT), 10 µM	0.5 µl	0.5 µM
5x Reverse Transcriptase Buffer	4 µl	1x
RNA Template	10 µl total RNA	
RevertUP™ II Reverse Transcriptase	1 µl	10U/ µl
MQ water	Variable	
Total volume	20 µl	

2. qPCR reaction by using KAPA SYBR FAST qPCR Master Mix (Applied Biosystems, Carlsbad, CA, USA)

qPCR reaction	1 reaction
Master mix (2X KAPA SYBr)	5 µl
10 µM F primer	0.1 µl
10 µM R primer	0.1 µl
300 ng/µl cDNA template	1 µl
qPCR grade water	3.8 µl

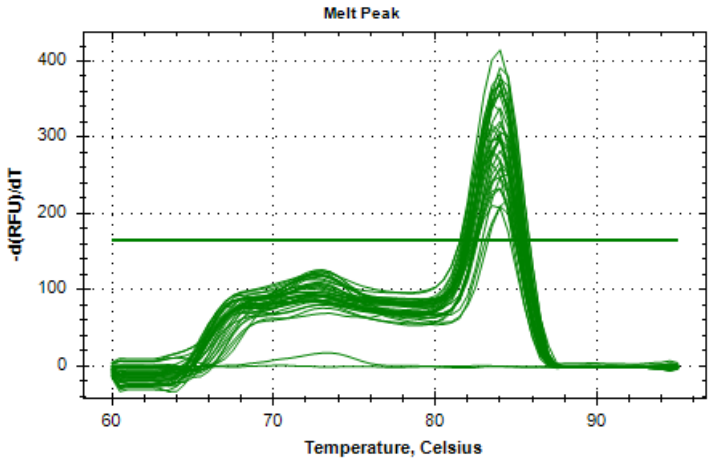

Figure S1 Representative image of *GAPDH* melting curve

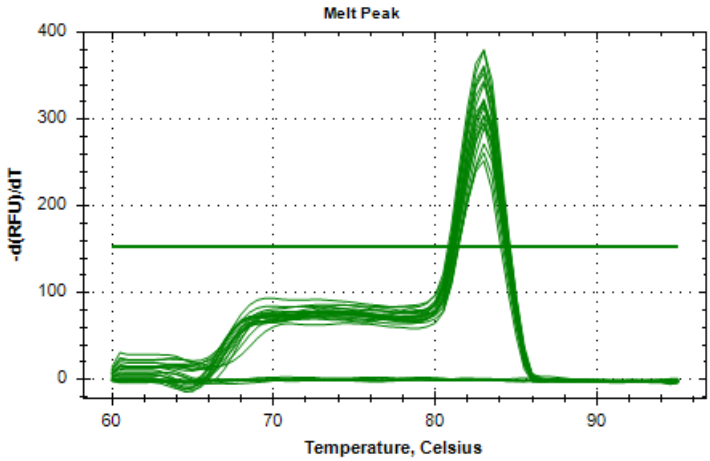

Figure S2 Representative image of *HDAC1* melting curve

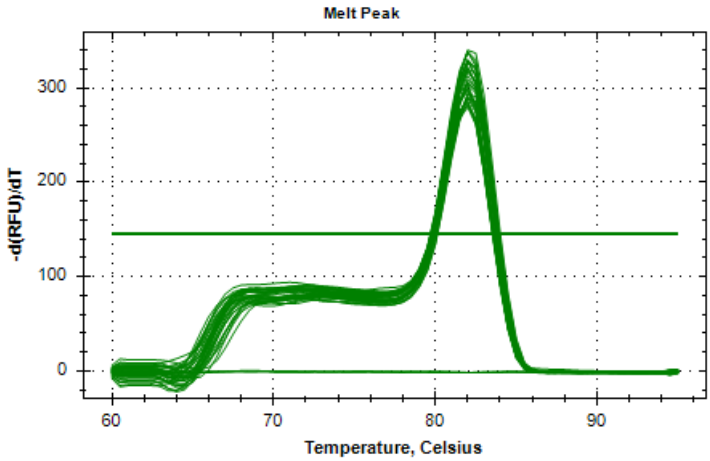

Figure S3 Representative image of *HDAC2* melting curve

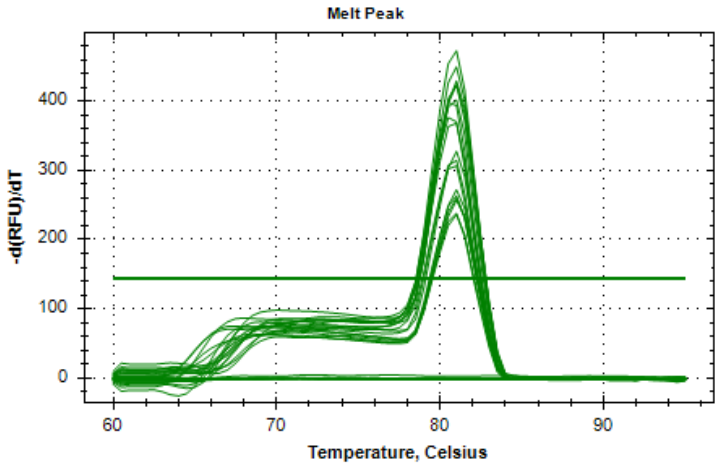

Figure S4 Representative image of *HDAC3* melting curve

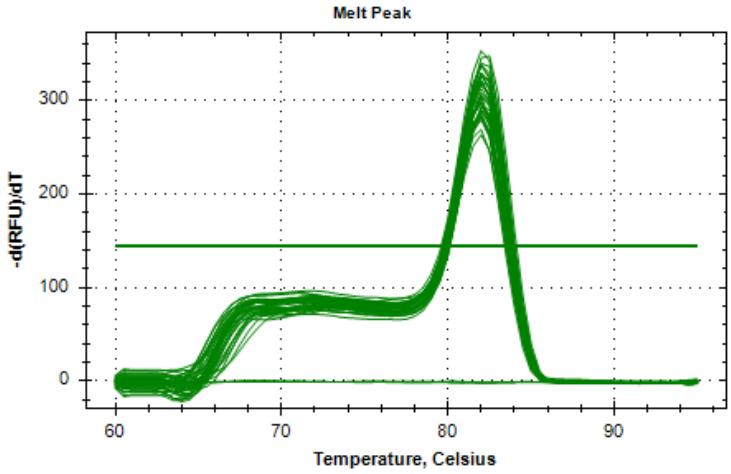

Figure S5 Representative image of *DNMT1* melting curve

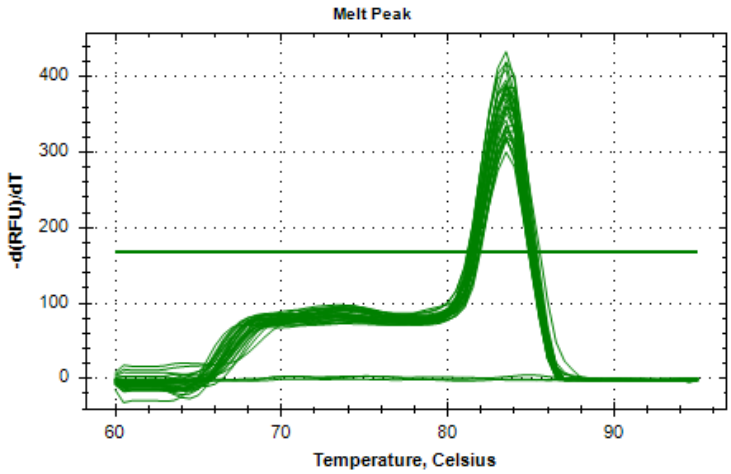

Figure S6 Representative image of *DNMT3A* melting curve

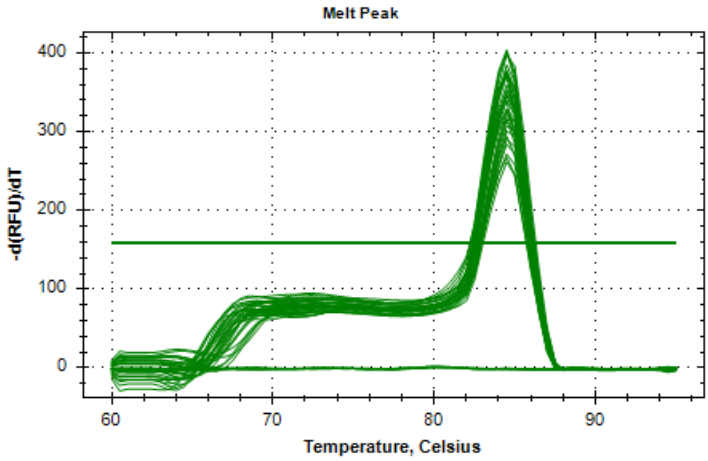

Figure S7 Representative image of *OCT4* melting curve

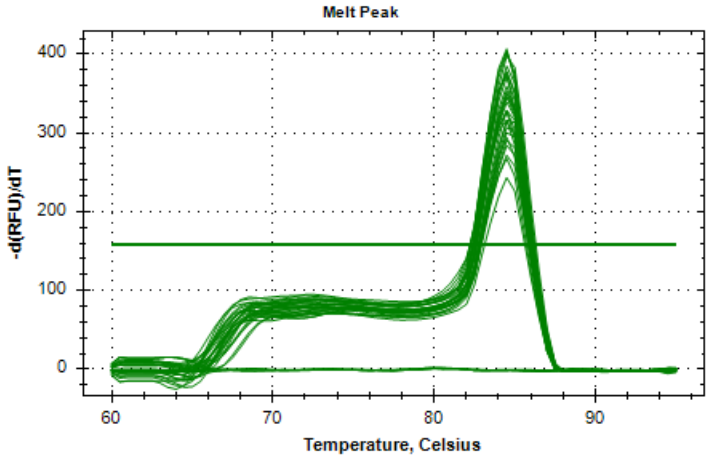

Figure S8 Representative image of *SOX2* melting curve

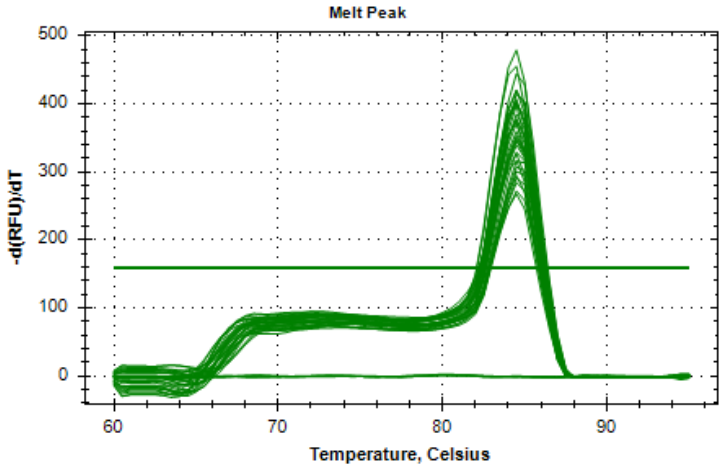

Figure S9 Representative image of *NANOG* melting curve