

Table S1. qPCR Primers

Primer	Sequence (5' – 3')	Reference
TERRA RT Primer	CCCTAACCCCTAACCCCTAACCCCTAA	
1q Fw	GCATTCCTAATGCACACATGAC	(Feretzaki and Lingner 2017)
1q Rev	ACCCTAACCCGAACCCTA	
2p Fw	GTAAAGGCGAAGCAGCATTCTCC	(Sampl et al. 2012)
2p Rev	TAAGCCGAAGCCTAACTCGTGTC	
7p Fw	GGAGGCTGAGGCAGGAGAA	(Deng et al. 2012)
7p Rev	CAATCTCGGCTCACCACAATC	
9p Fw	GAGATTCTCCCAAGGCAAGG	(Feretzaki and Lingner 2017)
9p Rev	ACATGAGGAATGTGGGTGTTAT	
10q Fw	ATGCACACATGACACCCTAAA	(Feretzaki and Lingner 2017)
10q Rev	TACCCGAACCTGAACCCTAA	
12q Fw	ATTCCCGTTTTCCACACTGA	(Wang et al. 2015)
12q Rev	CTGTTTGCAGCGCTGAATATTC	
13q Fw	CTGCCTGCCTTTGGGATAA	(Feretzaki and Lingner 2017)
13q Rev	AAACCGTTCTAACTGGTCTCTG	
15q Fw	TGCAACCGGGAAAGATTTTATT	(Feretzaki and Lingner 2017)
15q Rev	GCGTGGCTTTGGGACAAC	
16p Fw	TGCAACCGGGAAAGATTTTATT	(Deng et al. 2012)
16p Rev	GCCTGGCTTTGGGACAAC	
17p Fw	GGGACAGAAGTGGATAAGCTGATC	(Deng et al. 2012)
17p Rev	GATCCCACTGTTTTTATTACTGTTCT	
18p Fw	TACCTCGCTTTGGGACAAC	(Sampl et al. 2012)
18p Rev	CCTAACCCCTCACCCTTCTAAC	
20q Fw	GCAGCTTTCTCAGCACAC	(Montero et al. 2016)
20q Rev	TTTGTTCACTGTGATGCG	
Xq Fw	AGCAAGCGGGTCCTGTAGTG	(Deng et al. 2012)
Xq Rev	GGTGGAACCTCAGTAATCCGAAA	
GAPDH Fw	GCGTGGCTTTGGGACAAC	
GAPDH Rev	AGCCACATCGCTCAGACAC	
CTCF Fw	GACCCACCCCTTCTTCAGATG	(Deng et al. 2012)
CTCF Rev	CCACAGCAGCCTCTGCTTCT	

ATRX Fw	GGTGAAGGAAATGTGGATG	This study
ATRX Rev	CTGGGCTGCTTGGATTAGAA	
PLAG1 Fw	ATTGTGATCGCCGGTTCTAC	This study
PLAG1 Rev	GATCCTTTCGCCCAAATCTCT	
EGR1 Fw	CGCAAGAGGCATACCAAGAT	This study
EGR1 Rev	GTAGGAAGAGAGAGAGGAGGTG	
ZFX Fw	GTGCCCTCTTGACATAGAT	This study
ZFX Rev	GATGTCCATCAGGGCCAATAA	
ZNF148 Fw	GCAGGCTTTGGACAGAACTA	This study
ZNF148 Rev	GATTTGGGAGGGTCTGGTTATC	