Table S1. Information on animals and samples used.

Pig breeds	Type	Number	Tissue	Origin
Duroc	Commercial pig	24	Ear	Xuzhou,jiangsu
Landrace	Commercial pig	23	Ear	Xuzhou,Jiangsu
Largewhite	Commercial pig	458	Ear	Hefei,Anhui
Sushan	Hybrid pig	24	Ear	Taizhou,Jiangsu
Sujiang	Hybrid pig	24	Ear	Taizhou,Jiangsu
Erhualian	Native pig	24	Ear	Suzhou,Jiangsu
Jiangquhai	Native pig	23	Ear	Taizhou,Jiangsu
Mi	Native pig	24	Ear,Cerebellum,Pallium,Liver, Back fat	Changzhou,Jiangsu
Meishan	Native pig	24	Ear	Suzhou,Jiangsu
Min	Native pig	24	Ear	Heilongjiang,Dongbei
Rongchang	Native pig	24	Ear	Rongchang,Chongqing
Tibetan	Native pig	24	Ear	Kangding,Sichuan
Jinhua	Native pig	24	Ear	Hangzhou,Zhejiang
Wuzhishan	Native pig	23	Ear	Wuzhishan,Hainan
Bama	Native pig	24	Ear	Nanning,Guangxi

Table S2. Primers for SINE RIP.

Primers	Sequence	Tm/℃	Production/bp
GLYATL3-F	AAATCAATCCGTTTTTGGTATG	58	965
GLYATL3-R	TGTTGAATTTCATTTCTCCTCTT		
GLYATL3-cds-F	CACCCTGGAAAAAGTGTTGAGG	60	295
GLYATL3-cds-R	CTCGCTCTGCAGTCCTTGTAT		
SINE-MluI-F	acgcgtGTCAGTACCTCTGC	62	306
SINE-EcoRI-R	gaattcGTCCTCCAGTGGAAAGAGGA		
Pro-KpnI-F	GCGGCCGCTTAAATACGTGACA	62	1717
Pro-MluI-R	acgcgtCCCATATAGATTTTTATCTGTTCTGAGT AAA		
Pro+SINE-KpnI-F	GCGGCCGCTTAAATACGTGACA	62	2011
Pro+SINE-MluI-R	TCCTCTTTCCACTGGAGGACgaattc		