

# Supplementary material of Two Retrotransposon Elements in Intron of Porcine *BMPR1B* Is Associated with Phenotypic Variation

**Table S1:** Number and origin of pig breeds for *BMPR1B* RIPs detection

Breed	Number	Province/country of origin
Large white	556	Anhui/China
Duroc	24	Anhui/China
Landrace	24	Anhui/China
Sujiang	21	Jiangsu/China
Sushan	32	Jiangsu/China
Fengjing	24	Jiangsu/China
Meishan	24	Jiangsu/China
Erhualian	24	Jiangsu/China
Wuzhishan	24	Hainan/China
Bama	6	Jiangsu/China
Diannan small-ear	6	Yunnan/China
Tibetan	6	Jiangsu/China
Wild boars	6	Anhui/China

**Table S2:** The primers for PCR, vectors construction and q-PCR

Primer name	Forward primer	Reverse primer	Purpose
<i>BMPR1B</i> -SINE-RIP1	F: TCCATCTCAGCCATAGCAAC	R: GTGCGCTCATTTATAAGGCAT	RIPs identification
<i>BMPR1B</i> -SINE-RIP2	F: AACAGATGGCTCCTATCATCC	R: ATTCCTTCCTATGACCCGTTT	
<i>BMPR1B</i> -SINE-RIP3	F: AAGAAGCCCAGGAGATCCAA	R: CCTCAGGCTCATTGTGTCGAA	
<i>BMPR1B</i> -SINE-RIP4	F: GAACATACAGCTCCAGTGACC	R: GCTGCTATTCTTCAGATACGTT	
<i>BMPR1B</i> -SINE-RIP5	F: GTCCTTTACAGAATTGCCAT	R: AACTGCAGCTGTGAACCTCA	
	F:	R:	
<i>BMPR1B</i> -SINE-RIP6	CCTAATTCGCAAAGATTTTCATAACA	AAAATGATCTGTGCTTATTGTAGAGG	
	CT	T	
<i>BMPR1B</i> -SINE-RIP7	F: CTGAGCCTAGAACTTTAACCC	R: TTCTTCATTCCCACGTAGCTT	
<i>BMPR1B</i> -ERV-RIP8	F: TGTGTAAAACTATTGACCCTC	R: GCACATATTACATGCTAAGGGA	
<i>BMPR1B</i> -SINE-RIP9	F: TCAATGAAACAAGATGGCACT	R: ATCGGCTATATCATGAACCCCT	
<i>BMPR1B</i> -SINE-RIP10	F: CCTAGATATTGAACGACCATGC	R: TGCCATTTTACTGACTTGGTG	
<i>BMPR1B</i> -LINE-RIP11	F: CCTGACCCTCTTTCATTACACC	R: AGTTCCTGTGCTCTTAACACC	
<i>BMPR1B</i> -ERV-RIP12	F: ACTTTCATTCAATTACAAAGGCTA	R: TCTGAGCGTTGTAACATGACA	
<i>BMPR1B</i> -LINE-RIP13	F: ACCTCACATTAAGAGCCGAGA	R: AATTTCCATGTACTGCGAGTG	
<i>BMPR1B</i> -RIP9	CgacgcgtcgCTTTTGTGTTGTTGTT GTTGCT	CggaattccgGAGGAGTATTGGGAGT TCCCA	vectors
<i>BMPR1B</i> -RIP13	CgacgcgtcgAGCTCTCACACATGCT ATGT	CggaattccgAAACTGCTCAGTATACC TTAGAAATCT	construction
<i>GAPDH</i>	ATCTTCCAGGAGCGAGATCCC	ATGGTTCACGCCCATCACAA	q-PCR
<i>BMPR1B</i>	TACCACCCAACACCCGAGT	ACGCATCTCCTAGCAACCTC	