Additional table S1 Primer and probe sequence and PCR and LDR product length of PAPP-A variants

Variant	Primer or Probe	Sequence(5'-3')	PCR or LDR length
rs3747823	rs3747823-up	CAAAGCAAGGCAAATGTGAA	159
G/A	rs3747823-low	ATGGCTGGACATGGAAAAGT	
	rs3747823_modify	P-TTCTTCATCTTCAAAATGAGATTTCTTTTTT	
		TTTTTTTTTTTTTTTGCATCACTCA-FAM	
	rs3747823-A	TTTTTTTTTTTTTTTTTCTCTGTCTGAGTCTCT	150
		GT	
	rs3747823-G	TTTTTTTTTTTTTTTTTTTCTCTGTCTGAGTCT	152
		CTGC	
rs7020782	rs7020782-up	GCACTTCGCATGTGAGAAAA	186
A/C	rs7020782-low	GAGCTCAGCACCTGCACATA	
	rs7020782-modify	P-AAGCATTCTCCACAGCCAGCTCTGGTTTTTT	
		TTTTTTTTTTTTTTTTGCATCACTCA-FAM	
	rs7020782-A	TTTTTTTTTTTTTTTTTTTTTTTTGCGGTCGCT	165
		GCTGGAGCAATTGAGAT	
	rs7020782-C	TTTTTTTTTTTTTTTTTTTTTTTTTTGCGGTCG	167
		CTGCTGGAGCAATTGAGAG	
rs13290387	rs13290387-up	GGGAGAATCCTGGTGCAGTA	249
G/C	rs13290387-low	AAATGGATGAGCGCTTGACT	
	rs13290387-modify	P-AAAGACCCATAAAAATAATAAAACCTTTTTT	
		TTTTTTTTTTTTTTTTGCATCACTCA-FAM	
	rs13290387-C	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	170
		TCAAATGAAATGATACATGGG	
	rs13290387-G	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	172
		ACTCAAATGAAATGATACATGGC	

PCR, polymerase chain reaction; LDR, ligase detection reaction