

**Supplementary Table S3: Variants within the block of linkage disequilibrium (LD) > 0.8 with SNP rs34259**

Variant	Class	Ref	Alt	Position	Gene	Location <sup>a</sup>	r <sup>2</sup> (LD)
<b>rs34259</b>	<b>SNP</b>	<b>G</b>	<b>C</b>	<b>12:109113428</b>	<b>UNG</b>	<b>Downstream – 3' UTR</b>	
<b>rs34261</b>	SNP	G	A	12:109114490	UNG	Downstream – 3' UTR	0.971065
<b>rs34262</b>	SNP	C	T	12:109114670	UNG	Downstream – 3' UTR	0.971065
<b>rs34263</b>	SNP	A	G	12:109115044	UNG	Downstream – 3' UTR	1
<b>rs2436630</b>	SNP	G	A	12:109124655	UNG	Downstream – 3' UTR	0.918382
<b>rs1610925</b>	Insertion	-	TA	12:109099618/9	UNG	Intronic	0.824795

<sup>a</sup>In some cases, the SNP can reside in more than one location, depending on the isoform of the gene. Only one gene location is shown in the table.