

Supplementary Table 4: Candidate Gene SNPs in the IFM cohort

SNP	Tag SNP <sup>a</sup>	R <sup>2</sup>	Gene	SNP type	P-value
rs619824 <sup>b</sup>	-	-	( <i>CYP17A1</i> ) <sup>c</sup>	Intergenic (9kb downstream to <i>CYP17A1</i> )	0.043
rs1799800	rs6498486	1	<i>ERCC4</i>	Intron	0.91
rs1799801	rs3136211	1	<i>ERCC4</i>	Coding synonymous	0.74
rs2300697	rs2300701	0.93	<i>SRD5A2</i>	Intron	0.48
rs1059293	rs2186280	1	<i>IFNGR2</i>	Untranslated, intron	0.28
rs2276583	rs4150496	1	<i>ERCC3</i>	Locus	0.45
rs189037	rs183460	1	<i>ATM</i>	Locus, untranslated	0.89
rs10501815	#N/A		<i>MRE11A</i>	Intron, TagSNP	
rs664677	rs618499	1	<i>ATM</i>	Intron	0.93
rs664982	rs227041	1	<i>ATM</i>	Intron	0.71
rs6131	#N/A		<i>SELP</i>	Coding non-synonymous	
rs1130499	#N/A		<i>PTPRN2</i>	Coding non-synonymous	
rs4722266	#N/A		<i>STK31</i>	Coding non-synonymous	
rs2267668	#N/A		<i>PPARD</i>	Intron	

<sup>a</sup>Tag SNP on the Affymetrix Human SNP6 Chip

<sup>b</sup>SNP associated with BiPN from Corthals et al., 2011 (8), other SNPs are associated with late-onset BiPN from Broyl et al., 2010 (10)

<sup>c</sup>rs619824 was relocated in the GRCh37/hg19 human genome assembly