

Germline variations at *JAK2*, *TERT*, *HBS1L-MYB* and *MECOM* and the risk of myeloproliferative neoplasms in Taiwanese population

SUPPLEMENTARY MATERIALS

Supplementary Table 1: The distribution and the association of the five SNPs in MPN patients stratified by mutation profiles and disease subtypes

See Supplementary File 1

Supplementary Table 2: Clinical and prognostic implications of the five SNPs in 178 Taiwanese MPN patients

See Supplementary File 1

Supplementary Table 3: Primer sequences for the five SNPs used in Sanger sequencing and HRMA

SNPs	Experiment	Direction	Primer sequence (5' to 3')	Annealing temperature
rs12343867	Sanger sequencing	Forward	CTGGAATTATGAAGACAAAGCA	55-60 °C
		Reverse	GCATGGGGTACGATTTATACTT	
	HRMA	Forward	GCGGGCAGGGCGGC TTTAATGGAAGTACAGAAATGATTAC	63 °C
		Reverse	CTGTGAACACCTAAATTTAGCCAAAAAATA	
rs12339666	Sanger sequencing	Forward	tggccaagaatatgctgt	56-60 °C
		Reverse	aaaacagggcaaacatgaga	
	HRMA	Forward	GCGGGCAGGGCGGC TGAAATTTGTATTGAGAAGTCCAA	56 °C
		Reverse	CCTTTGTATCTAGCTTTATTTTCATTTTCT	
rs2201862	Sanger sequencing	Forward	ggaacttctggaaactgga	60 °C
		Reverse	acatggaagctgccaagact	
	HRMA	Forward	GCGGGCAGGGCGGC AAATTTGCATAAGTAACTTGGAGCTG	63 °C
		Reverse	CCTGCAGACATTTTCCCCATTGTC	
rs9376092	Sanger sequencing	Forward	GATCACCCATCCATTCATCC	58-60 °C
		Reverse	ACCCTGCACCAGTTACATGC	
	HRMA	Forward	GCGGGCAGGGCGGC GGCCAACATTGTTTCGTCTTTG	56 °C
		Reverse	TGGGAGGTAGCTCATATGAAGAAGACAGGC	
rs2736100	Sanger sequencing	Forward	GCTGTTTTCCCTGCTGACTT	56-60 °C
		Reverse	ACGTTGCTGTCACTCACTGG	
	HRMA	Forward	TGACACCCCCACAAGCTAAG	56-63 °C
		Reverse	GGGAACAAAGGAGGAAAAGC	