

# A polymorphism associated with *STAT3* expression and response of chronic myeloid leukemia to interferon $\alpha$

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Citation: Kreil S, Waghorn K, Ernst T, Chase A, White H, Hehlmann R, Reiter A, Hochhaus A, and Cross NCP on behalf of the German CML Study Group. A polymorphism associated with *STAT3* expression and response of chronic myeloid leukemia to interferon  $\alpha$ . *Haematologica*. 2010; 95:148-152. doi: 10.3324/haematol.2009.011510

Online Supplementary Table S1A. Dispensation orders and sequence analysed for the 17 SNPs.

Gene	SNP	Genotype	Sequence to analyse	Dispensation order
<i>STAT1</i>	rs1467199	C/G	GTCC / GTTCTTGTCACAAT	CGTCGATCT
<i>STAT3</i>	rs6503695	C/T	A / GACTATTTTCTT	CGAGCTATC
<i>STAT3</i>	rs2293152	C/G	CCC / GGCAGCCAGAGGCCCTTT	TCGTCAGCA
<i>STAT5A</i>	rs2293154	A/G	AG / ACCACGCCCATG	TAGTCACGC
<i>STAT5B</i>	rs16967611	A/G	C / TTGCCTGTGCCCTAGCATGTTGCAGA	GCTAGCTGT
<i>STAT5B</i>	rs6503691	C/T	TGA / GCGGATTGTCTTCCCA	CTGATCGAT
<i>STAT5B</i>	rs9900213	G/T	TGG / TTCCAGTGTACCT	CTGTGCAGT
<i>STAT5B</i>	rs17500235	G/T	A / CCAAGACTTC	GACTAGACT
<i>STAT5B</i>	rs17591972	A/G	AA / GCTGAAGTAA	TAGACTGAC
<i>TYK2</i>	rs2304256	A/C	ATGA / CTATC	GATGACGTA
<i>TYK2</i>	rs12720356	G/T	CGA / CTGCCCT	TCGACATGC
<i>JAK1</i>	rs2991269	C/T	C / TGGGCCACACTCACTGTC	ACTAGACA
<i>JAK1</i>	rs310227	A/G	C / TAGGGTCTGGCTACTGG	GCTCAGTCT
<i>JAK1</i>	rs310229	A/G	C / TGAATAGCAGGTGACGGGTGCCA	ACTCGATAG
<i>IFNAR1</i>	rs2850015	C/T	CA / GCACGCGTGCCCTCTTAGCTCTCA	TCAGTCACG
<i>IFNAR1</i>	rs2257167	C/G	AAC / GTAAGCTATATGTAAGCTTAAACCA	TACGCTAGC
<i>IFNAR2</i>	rs7279064	G/T	A / CGATGAAGGCATTCTGGCTCAAAAGC	TACTGATGA

Online Supplementary Table S1B. Primers used for genotyping.

SNP	Forward Primer	Reverse Primer	Sequencing Primer
rs1467199	ATGCCATATATGTGTGTATGAGT	Biotin-CTTGGCAGAGAAGTCTAATTTTAC	TTTCTTTGCACATCTATTT
rs6503695	Biotin-GTGAGCCTGAGCATATTAAGTGA	GGCAGGGATGTAGATCCAACT	GCACAGATGTCCAGC
rs2293152	Biotin-TGTTCCCTGTGATTGAGA	TGCTCCCTCAGGGTCTGT	TCTCCCTAGCCCTCTC
rs2293154	TAGCTGTCAAGGGAAGAAGCACTGG	Biotin-TGATGTGAGCAGGAGGAGAC	CCCAAGTGGGGTGGGA
rs16967611	Biotin-GTCAAGTCAGTCATTCTGCAACAT	CCCCTTTTGTTATGTGTTTACA	TTGTCAGCATTGAACC
rs6503691	Biotin-GGCTCACAAAGAAGCAAACAAG	GCAGTGATTTGGCTGTGACATAA	GGCTGTGACATAAAGATTAA
rs9900213	GATCTGACCTCCACCAGAGTATTC	Biotin-CCACCTCCTATTAGTAGGAAAAC	GGAGAACTAGAACGTAACC
rs17500235	CCCTCTGGGCTACTTAAATGAC	Biotin-ATGGAATCCAGGTAAGCA	TTACCGTACCCAGAA
rs17591972	Biotin-AGCAAACAAGGGAAGTAAACCA	CACCGAACCAAAATAAATACAGA	TTTCAAATAAAAAATAAA
rs2304256	ATGTCCCGAAGTACAGAAAGTAG	Biotin-TGGGTGTTTCAGGGTTCTA	CTGCCGGCTGGCCGA
rs12720356	Biotin-AGAAGCAGGCAGGTT	TCCAAGCCATGGGCACAT	CCACGTACTCTGTACC
rs2991269	TTGCCTAGACAGCACCCTAATG	Biotin-TGGTCCATGAAATGTGTGTAC	GGTCACTGAGCTTGATGAA
rs310227	Biotin-TGGCAGGGTGAAGTAAAAG	ATGAAGGAAGAAGGGCCCTACAG	TACAGGGGGAGGATG
rs310229	Biotin-CTTCTGCACCTCGATCTGAAAGT	ATGCCTGACCCATTTTAAACA	GTAATTTCTGGTCAATTTCC
rs2850015	Biotin-GAGAGCTAAGAGGGGCAGCG	GATCCACAGTTACATGTTTCG	CACACCGCCCTCTG
rs2257167	Biotin-TGGTCTCCAGAAGTACATTTAGA	TTCTACACCTGAAGATTTTCCA	CTGAAGAGTTTTTCCAGAT
rs7279064	Biotin-AGATGCTTTTGTAGCCAGAATG	GGCATCACAGCTTGCTTCTATA	AACCAAATTAAGTGATCTGA