

## Germ-line *GATA2* p.THR354MET mutation in familial myelodysplastic syndrome with acquired monosomy 7 and *ASXL1* mutation demonstrating rapid onset and poor survival

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Online Supplementary Table S1. Primers used for mutation screening.

Gene (primer)	Sequence (5'-3')	Application	Annealing	Transcript accession number	Protein accession number
<i>GATA2</i>	2F ACACCTCGTGGTGGGACTT 2R CGCCTGGGTTCATCAC	Exon 2	58°C	NM_032638.4	NP_116027.2
<i>GATA2</i>	3F CTGGTTCGGGAGTCGTGAT 3R ATCTGGGAAACCAACTGC	Exon 3	58°C	NM_032638.4	NP_116027.2
<i>GATA2</i>	4F GACTCCCTCCCAGAACTTG 4R GCGTCTGCATTGAAGGAGT	Exon 4	58°C	NM_032638.4	NP_116027.2
<i>GATA2</i>	5F TTAGCCCTCCTTGACTGAGC 5R AGCCAAGCTGGATATTGTGG	Exon 5	58°C	NM_032638.4	NP_116027.2
<i>GATA2</i>	6F TGTTGCTGGAGGAAGGAACT 6R GTCCTCGACGTCCATCTGTT	Exon 6	58°C	NM_032638.4	NP_116027.2
<i>RUNX1</i>	1F GGAAAGGGGAACAGTTAAATTT 1R TTGGCTGTGGGTTGGTGAT	Exon 1	60°C	NM_001001890.2	NP_001001890.1
<i>RUNX1</i>	3F GCCTGTCCTCCCACCACCTCTC 3R AGCTGCTTGCTGAAGATCCG	Exon 3	60°C	NM_001001890.2	NP_001001890.1
<i>RUNX1</i>	4F GTGGGTTTGTGCCATGAAACG 4R CATCCCTGATGTCTGCATTGTCC	Exon 4	60°C	NM_001001890.2	NP_001001890.1
<i>RUNX1</i>	5F CCAAGGAATCTGAGACATGGTCC 5R TGTTCAAGCCACCAACCTCATTC	Exon 5	60°C	NM_001001890.2	NP_001001890.1
<i>RUNX1</i>	6F GGGGGCCCATCTGCTGAGAGG 6R GAGCATCAAGGGGAAACCCC	Exon 6	60°C	NM_001001890.2	NP_001001890.1
<i>RUNX1</i>	7F AATCCACCCCACTTTACAT 7R CTCAGCTGCAAAGAATGTGT	Exon 7b	60°C	NM_001001890.2	NP_001001890.1
<i>RUNX1</i>	8F TCCGCTCCGTTCTTCTG 8R GCTTGTCGCGAACAGGAG	Exon 8	60°C	NM_001001890.2	NP_001001890.1
<i>CEBPA</i>	1F TCGCCATGCCGGGAGAACTCTAAC 1R CCTGCTGCCGGCTGTGCTGGAAC	nt 120-414*	62°C	NM_004364.3	NP_004355.2
<i>CEBPA</i>	2F CTTCAACGACGAGTTCCTGGCCGA 2R AGCTGCTGGCTTCATCCTCTCT	nt 365-664*	62°C	NM_004364.3	NP_004355.2
<i>CEBPA</i>	3F CCGCTGGTATCAAGCAGGA 3R CCGGTACTCGTTGCTGTCT	nt 615-1004*	62°C	NM_004364.3	NP_004355.2
<i>CEBPA</i>	4F CAAGGCCAAGAAGTCGGTGGACA 4R CACGGTCTGGGCAAGCCTCGAGAT	nt 962-1317*	62°C	NM_004364.3	NP_004355.2
<i>NPM1</i>	1F TTAActTCTGTTGGTAgAATGAA 1R CAAGACTATTGCCATTCCTAAC	Exon 12	56°C	NM_002520.6	NP_002511.1
<i>FLT3</i>	11F GCAATTTAGGTATGAAAGCCAGC 12R CTTTACGATTTGACGGCAACC	Exons 14-15	56°C	NM_004119.2	NP_004110.2

\* The entire coding sequence of *CEBPA* gene was amplified in 4 overlapping fragments.