

Mutations of *PHF6* are associated with mutations of *NOTCH1*, *JAK1* and rearrangement of *SET-NUP214* in T-cell acute lymphoblastic leukemia

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Online Supplementary Table S1.

PHF6 primer sequences

	Forward primer	Reverse primer	Annealing temperature
PHF6 Exon 2	TTTCTTGGGGCTTAGAGTG	AAATGGCATAGCATTAGTGA	58°C
PHF6 Exon 3	GCTATGCCATTTTACTAGAAA	GCTGGCTCAGAGAAAAAAA	60°C
PHF6 Exon 4	CCCCAGAAGAATTTTATTCC	AAACGTGGCTAAATGATGTA	58°C
PHF6 Exon 5	AAAGGGTGTTTTGGATAAGA	AAACGTGGCTAAATGATGTA	60°C
PHF6 Exon 6	GGGTGGCTTTATTGAACAT	GCTATCGGTATTCAAGCTTA	58°C
PHF6 Exon 7	TTGGATTCTTACTTTTGTTC	GGGAAATTTTGGTTACTA	58°C
PHF6 Exon 8	TTTTCTGCATTTTCTTCT	GCAAAATGCCTTCAAATGTAT	60°C
PHF6 Exon 9	GAGGGCTTATCAAAGTATGG	AGGAAAATGCCAATTGTAGT	58°C
PHF6 Exon 10	AGCCTCATCCACTAATGTTG	GAGTTGGGCAGTAAAAAGTT	60°C

NOTCH1 primer sequences

	Forward primer	Reverse primer	Annealing temperature
HD-N/exon 26	GGAAGCGCGCTGAGCGTGTC	ATTGACCGTGGGCGCCGGGTC	61°C
HD-C/exon 27	GCCTCAGTGTCTGCGGC	GCACAAACAGCCAGCGTGTC	60°C
TAD/exon 34	GCTGGCCTTTGAGACTGGC	GCTGAGCTCAGCCAAGGT	60°C
PEST/exon 34	CAGATGCAGCAGCAGAACCTG	AAAGGAAGCCGGGTCTCGT	62°C

FBXW7 primer sequences

	Forward primer	Reverse primer	Annealing temperature
FBXW7 Exon9	CGCTATGGCTTTCTAGAATAG	CTGCTTTCATGTCGTGTTTCC	55°C
FBXW7 Exon10	CCAGGTTACTCTCTATGAGAC	GCTTCCCACTTCCATTCC	55°C

WT1 primer sequences

	Forward primer	Reverse primer	Annealing temperature
WT1 Exon7	CTCCAGTGCTCACTCTCCCTC	CCTTAGCAGTGTGAGAGCCTG	60°C
WT1 Exon9	GTGAGGCAGATGCAGACATTG	AGCCACGCACTATTCTTCTC	59°C

JAK1 primer sequences

	Forward primer	Reverse primer	Annealing temperature
JAK1 exon 2	CTTCTCTGAAGTAGCTTTGGAAAAG	AATAGTGGTGAACATCTAGGAGAG	62°C
JAK1 exon3	GAGAGGTACGTATCCAATACC	ACAACCTTTCTGCCAGCAG	62°C
JAK1 exon4	AAGAGGATATGAGTGACCCAG	CAATACTTCTGGTAAGTGACTC	62°C
JAK1 exon5	TAAGAAGGAAAGAGATGGTGAGG	TCTGAGCTCTACAATGCCTCTC	62°C
JAK1 exon6	TCTGATGCTAGAGAACTGCC	TAAGAACATGTAGAAACACCACC	62°C
JAK1 exon7	TTGGCAACATGTGGATTCTATGG	GACATGCAGACAGATGACTCC	62°C
JAK1 exon8	CTTCTCTTCTTGGACCTAGG	GAACGGAACCTCAGCAATCTCC	62°C
JAK1 exon9	ATCTTCTCACTGTGCACCTCC	ACTGGCCTGACCTAAACAATG	62°C
JAK1 exon10	TAGCCCAGAGGTTCAAAGTCC	ACCCAGGCTTTTTCAGTTCCAC	62°C
JAK1 exon11	AGAAATGTTACAGAGATGGTGC	CTTTGTTTAAAGTCAGTCAGCG	62°C

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JAK1 exon12	AGACGTTGGCTGTCTGAGAGC	CCATCAAAGGAAAGTCTCCCTG	58°C
JAK1 exon13	CAGACGGTCCATCACTTCAGG	GTTCCACTGGCTCCAGAAACG	62°C
JAK1 exon14	CCAGAGGATTGATGTTTCAGG	AGCAAATGACCTGCTCAGTC	62°C
JAK1 exon15	ACAGACCAGGTTCCAGACATGG	GTTTCTGGTGGGACCATTATGG	62°C
JAK1 exon16	GAGCAGCTTGGCTAAACTTGAC	GACTCTCTAAAAGGAGACCAACC	62°C
JAK1 exon17	CTGTTCTGGCTGCAGTGACAG	CACCTGAAAGCCCTCACTTGC	62°C
JAK1 exon18-19	GGCTGAGAAGTTTGTAGGTGG	AATGGAGAGCAGCTGTACGTG	62°C
JAK1 exon20	AAGTACAGTCCAGGTGAGAGG	ACTTGAAGCCTTGAGAGTGTG	62°C
JAK1 exon21	CCTCTGTCTCATATCCTGTGC	CAATTACCCAGGACAGAGTGC	59.5°C
JAK1 exon22	GCTTCTACTAAGAAAGTAAACGG	CTTCTTAACCTTGAGTCAGG	62°C
JAK1 exon23	TTATCTGTAAATGTCGGATGGAG	TTAACCAAGCAGAGGGATGGAC	62°C
JAK1 exon24	GACACTGGTTAGAGACAGATCAT	CTAACTGGTGGCTATCATCTAG	62°C
JAK1 exon25	CAGTCAACCCTTGAGCTTCTC	GTAAGTATGAGTTCAGTGAC	62°C

SIL-TAL1 primer sequences (nested PCR)

SIL F1: 5'-CGACCCCAACGTCCAGAG-3'

TAL1 R1: 5'-CGGTCATCCTGGGGCATAATT-3'

Annealing temperature: 58°C

SIL F2: 5'-CCCGCTCCTACCCTGCAAAC-3'

TAL1 R2: 5'-AGACCGCCCTCTGAATAG-3'

Annealing temperature: 58°C

SET-NUP214 primer sequences (nested PCR)

SET F1: 5'-CACCCGAAATCAAATGGAAATCTG-3'

NUP214 R1: 5'-GGCAAGGATTTGGTGTGAGAT-3'

Annealing temperature: 58°C

SET F2: 5'-TGAGGAACCAGAGAGCTTCTTTAC-3'

NUP214 R2: 5'-GTCTCTCGCTCTGGCACAAG-3'

Annealing temperature: 58°C

CALM-AF10 primer sequences (nested PCR)

CALM F1: 5'-CTTGGCATCGGAAATGGAACCACTA-3'

AF10 R1: 5'-TAACGATCATGCGGAACAGACTGTA-3'

Annealing temperature: 58°C

CALM F2: 5'-TGATGTAATTTGGAGTCAACCAGGT-3'

AF10 R2: 5'-ATTGTACCTCTGGAATATACAGGGC-3'

Annealing temperature: 58°C

