

Table 3. Oligomers used for exonic amplification and sequencing

Gene	PCR oligomers		Sequencing oligomers
	Forward	Reverse	
MYC			
Exon 1	tgttccgcctcgcgatgattatact	gtfaccataactactctgagaaaagtgtc	tgttccgcctcgcgatgattatac
			gtfaccataactactctgagaaaagtgtc
			ggcttggcgggaaaa
Exon 2	ggtagctctgcaaggggagaggttc	caaatctctccagatctgctatctc	ggtagctctgcaaggggagaggttc
			caaatctctccagatctgctatctc
			ggatatctggaagaaatcgagctg
			tgtgaccgcaacgtagg
Exon 3	gataatthttgccagagaccttcta	aaactcttgccttcttaagaccac	gataatthttgccagagaccttcta
			aaactcttgccttcttaagaccac
			agatcagcaacaaccgaaaatgcac
			ggctaaatcttfcagtctcaagactc
NRAS			
Exon 1	gggtaactttactacaattagtagtatgg	gcctttgtctccagctgatag	gggtaactttactacaattagtagtatgg
			gcctttgtctccagctgatag
Exon 2	gaggccgatattaatccggt	tgaactgttctctataaacacgttaag	gaggccgatattaatccggt
Exon 3	cagaaatggcctggaatagttagat	tttcagtaattaccctagattctcaat	tttcagtaattaccctagattctcaat
Exon 4	caaaactcctgggttcaagca	cataacaacaagaatatgaatatggat	cataacaacaagaatatgaatatggat
Exon 5	attcgtttagtaattggaatcttatgt	tgtcatatggaaaatgtgcaga	attcgtttagtaattggaatcttatgt
Exon 6	cattatftatgaaatgtaggcatacc	aagacagcaacaggaatactctc	cattatftatgaaatgtaggcatacc
			aagacagcaacaggaatactctc
Exon 7	gaaaagagccactttcaaggta	aactgtgaccctgttcatt	gaaaagagccactttcaaggta
			aactgtgaccctgttcatt
			agctaggggaaacaattacatac
			tttcatctgaaaagcagttcat
HRAS			
Exon 1	NA	NA	NA
Exon 2	ctttcccatcactgggtcattaaga	cccctcctctagaggaagcaggagac	cccctcctctagaggaagcaggagac
Exon 3	ctagaggaggggagtcctcgtctca	atccgagtccttaccctgttgatct	ctagaggaggggagtcctcgtctca
Exon 4	gtctttgaggacatccaccagtaca	agtagccccactaagactcagaacca	gtctttgaggacatccaccagtaca
Exon 5	gtctttgaggacatccaccagtaca	agtagccccactaagactcagaacca	agtagccccactaagactcagaacca
Exon 6	gggcacctgttggtctgagcttag	gtccttctctctctctctcctct	gtccttctctctctctctcctct
Exon 7	gaagctgaaccctcctgatgagagtg	tctgtccttatgatctgcctctgtg	gaagctgaaccctcctgatgagagtg
SPI1			

Gene	PCR oligomers		Sequencing oligomers
	Forward	Reverse	
Exon 1	ccagagacttcctgatgtagc	acttcccactgatagcaagc	ccagagacttcctgatgtagc
			acttcccactgatagcaage
Exon 2	actgagccaggggaaggtga	attccaaagaagtctggga	actgagccaggggaaggtga
			attccaaagaagtctggga
Exon 3	acgagatggtaggccccata	ttgggtaagagcctgtgtca	acgagatggtaggccccata
			ttgggtaagagcctgtgtca
Exon 4	cctgccctctgcactccttc	acgcaccctctgcacacttg	cctgccctctgcactccttc
			acgcaccctctgcacacttg
Exon 5	acacccgatggacaaatgac	gtgagtgggtgcattgtgttt	acacccgatggacaaatgac
			gtgagtgggtgcattgtgttt
			gacacagggaggacgc
			gggccctgtgcgta
CBFB			
Exon 1	agttgtgaatggcgcttgtttg	gtgtacttaatctgcaaggcaagac	agttgtgaatggcgcttgtttg
			gtgtacttaatctgcaaggcaagac
Exon 2	ttgaatcccgagtaggaagtgagac	cgctgaaacaaggga	ttgaatcccgagtaggaagtgagac
Exon 3	tttactttaagtattctgtgtgc	aacatggaatgaaaacaaatctgag	aacatggaatgaaaacaaatctgag
Exon 4	caatcagtcaatcataattttatc	cccaaaatcaggatcagaattgag	cccaaaatcaggatcagaattgag
Exon 5	cccggccactgttca	aaaftaaactataaaaagcattatgcaca	aaaftaaactataaaaagcattatgcaca
Exon 6	tgttacatgtgactatattggctga	tgatacctgtgatacct	tgaagaagctccagatccc
			tgttacatgtgactatattggctga
			tgatacctgtgatacct
			gcatgtagccagtaataattgaagt
			fgctgatgtgtttgcattattac
			tgattactagcatttaaaggatac
			aaaataatgccattaatgataaaataca
			tgaagaagctccagatccc
			tgtttgtttgcccat
CEBPA			
Exon 1	ggcgcgctggaggcgggtggcgctt	cgacattgactttgatattttat	ggcgcgctggaggcgggtggcgctt
			cgacattgactttgatattttat
			gagtcctattttggcaagtac
			gatacggctgataaagcaaaa
			ggctacctggacggcaggctgg
			gtagaactaggaacaacctt
			gacgcaccaagtccggcgca
			gagccccccgcacgcgcca
			cagctgcttgcttcate

Gene	PCR oligomers		Sequencing oligomers
	Forward	Reverse	
			ggctcgccatgccgggagaactctaa
RARA			
Exon 1	tagatccgccctgactggtgatt	cgatctctcccaaacagggttgaat	tagatccgccctgactggtgatt
Exon 2	gaatgcctgtgtgcctgttctca	cactcacagcagaacagacgtgcc	cactcacagcagaacagacgtgcc
Exon 3	ggctggggagtcccagtttctta	taaggcagggtgcctgctcctaac	ggctggggagtcccagtttctta
Exon 4	ggcctctcccctagactgagac	agccagactcgcaaacaggctctt	agccagactcgcaaacaggctctt
Exon 5	gggaaagaggaggcagacaccta	gccataccgtagtgtattgccag	ctgccctcacagctgtgagaaac
Exon 6	ccctcttctcctcctcctgct	gaaggacatctaccaggacacagg	ccctcttctcctcctcctgct
Exon 7	gaggatggatgggtcagacgtag	tgaagagctcctggaagagact	tgaagagctcctggaagagact
Exon 8	aggtaagagtgagggttgagg	tagtaggagctgttgagtacc	ctaccacaaaaggtagacacag
Exon 9	gggcttaagagagctggtcgtgt	ggctggtagaaaggcagagaaaagc	gggcttaagagagctggtcgtgt
AML1			
Exon 1	caacaggagccgagttgtactaa	gactgaacactccaacagcataact	caacaggagccgagttgtactaa
			gactgaacactccaacagcataact
Exon 2	cagtaataaagcccctgaactgtg	cgccacggcaacacagcat	cagtaataaagcccctgaactgtg
Exon 3	aactgtgctatgtgacctactatgg	gcaataagaatgtaagacagaccg	aactgtgctatgtgacctactatgg
Exon 4	caatctgactctatggttccg	aataaaaggccagcatagacg	caatctgactctatggttccg
			aataaaaggccagcatagacg
Exon 5	gccaacaattaatcgcc	cccagagctcctcgtatcc	ccccaaattcagctggcatatctt
			cccagagctcctcgtatcc
Exon 6	aaaactctacgttctaccgaaca	ccattccacatgtactcccg	aaaactctacgttctaccgaaca
Exon 7	caatcttctggcggttaa	gagtgtgctaggagaccg	ccatgttgaaatcataaatagggac
			tttggcgataggctctcacg
			caagaaggtccagttcttcc
			ttatagcattaacaatatttataatga
			caatcttctggcggttaa
			gagtgtgctaggagaccg
			aacaaaaataaaaatcatcaggacg
			gcagatttctgccttgaataacc
			ggagagagggttctgggatatt
			tgcttctaagggaactgtc
			cctggatagtgcatgccg
			acatggagaactggttagga
			cctgacctacagcgatccc
			tttcaattgataagggtcg
			atcttctgttgccttcca
			gcctcctgttcgcgacaa
			aacaggaagattcccggag

Gene	PCR oligomers		Sequencing oligomers
	Forward	Reverse	
			cattttcttttggcttgatagtagcc
			aaccaagcgatcacactactca
			gatacctttgaattgtagccacg
			atagctctctctagataagaacgacct
KRAS			gcagcaaaaacagctggacttat
Exon 1	atcgatagctctgccctctg	ccctaattcattcactcgcc	atcgatagctctgccctctg
			ccctaattcattcactcgcc
Exon 2	ttcatgattgaattttgtaagggt	ggttacatataactgaaaccca	ttcatgattgaattttgtaagggt
			ggttacatataactgaaaccca
Exon 3	cctgactattgatgatgttgagc	ggatattacctacctataaacattatt	ggatattacctacctataaacattatt
Exon 4	ttgagagagatacaaggttctg	gaaaccaaagccaaaagcag	ttgagagagatacaaggttctg
			ttcccatattaatggttacatataactg
Exon 5	agaacaaccaggattctagc	acagccatcaaaaatgtctc	acagccatcaaaaatgtctc
Exon 6	taatgtgaaaaggaaatggc	ttgtacctgtacacatgaagc	gcttcattaattgtttcacacc
			ttgtacctgtacacatgaagc
			aatagtttcattgccttgaat
			ftaaagcattattaatatggatcag
			cttgcaacctggctctt
PML			
Exon 1	cattacatctacggctcttagaaa	cctcttttctactctatctacc	cctcttttctactctatctacc
			ccctacctctcccgttta
			gcagctctgccctacctct
			cattacatctacggctcttagaaa
Exon 2	aagtagatgctcaataaatggtg	ggaaactggaaactfactatccac	ggaaactggaaactfactatccac
			aagtagatgctcaataaatggtg
			cctgtgccggcctactca
			fgaatggaatatgagtcctac
Exon 3	catgtgtattgtagtttgata	ccacagagtctgtaaatagtaaaa	catgtgtattgtagtttgata
			ccacagagtctgtaaatagtaaaa
			fgcaggagcaggatagtcctttgg
			fgtccacagcatctactgcc
			gtagcacttcatcctctgacca
Exon 4	tagagagtcagtgagccgtagt	ggaaggcactaatatgccatcta	tagagagtcagtgagccgtagt
			ggaaggcactaatatgccatcta
Exon 5	gtgtctaagtagggctaattactga	cagattacgtctctctcagaca	cagattacgtctctctcagaca
			gtgtctaagtagggctaattactga
			gggagaaccttaccttccatag
			cccagtgccagctcacttt

Gene	PCR oligomers		Sequencing oligomers
	Forward	Reverse	
			gaggtgatgtgatggagagttt
			tgagctcggagctttgagtc
Exon 6	cttctgtctgaagagagacgta	catagaactgtgcattttagcct	cttctgtctgaagagagacgta
			catagaactgtgcattttagcct
Exon 7	attactcaaatccaaatgcaaag	ctgagagggacagaggatcttac	attccttaaccaagaattaatgag
			ctgagagggacagaggatcttac
			cttatgcattttctgcctctaa
			ggttcaacaagtgtttattgagc
			attactcaaatccaaatgcaaag
			agtctgaggttctgtattgaaa
Exon 8	acacagatttagcacttgattc	ctctgtctgagagaagaactggt	acacagatttagcacttgattc
			ctctgtctgagagaagaactggt
Exon 9	gcctgggatctctagtatagtg	gctctcagctctgctaagtctca	gctctcagctctgctaagtctca
			ctgaagccttctcagcatctac
			catgtctaccctcagtagcct
			fgtcatttggtcagaatcagtt
			atgcatcaaaatcactgtgaga
			gaacatcagttctgtctttgct
			gcctgggatctctagtatagtg
FLT3			
Exon 2	gtgccaggagctaggagta	gacagccctgctctaagtatctct	gtgccaggagctaggagta
			gacagccctgctctaagtatctct
Exon 3	ttaataggacctcagtcggc	tcatgtattgatccctaactgtat	ttaataggacctcagtcggc
Exon 4	gttaaaagtcagggftcaacga	tataggttctacagagggttgacag	gttaaaagtcagggftcaacga
Exon 5	tcagccacagctaaatataat	ttacccggccctataactgg	ttacccggccctataactgg
Exon 6	ctgagctcttagetgaaccata	tgactcctctttatgaagaaatca	ctgagctcttagetgaaccata
			tgactcctctttatgaagaaatca
Exon 7	tccttcaggtcacagtaaatgc	cgtttcttgccactgatgat	cgtttcttgccactgatgat
			tccttcaggtcacagtaaatgc
Exon 8	gataaggtgcaaagctgttcat	cgagcctggttaacgggaa	gataaggtgcaaagctgttcat
Exon 9	gctcaggcttagaactaggata	ctgtatcctcacatctgcttattgt	ctgtatcctcacatctgcttattgt
			gctcaggcttagaactaggata
Exon 10	cctgtctgtggaccacacttt	tgaagctacagggatctatgattg	cctgtctgtggaccacacttt
			tgaagctacagggatctatgattg
Exon 11	attccagaaagtaccatactcca	cagcgagttctaaaagagattcat	cagcgagttctaaaagagattcat
			attccagaaagtaccatactcca
Exon 12	aatgtaaccttctcaatcaacc	tcccgtcactgtgacacat	aatgtaaccttctcaatcaacc
Exon 13	gcaattttctaggaggaaatgtat	ggaaactcccatttgagatcatatt	ggaaactcccatttgagatcatatt

Gene	PCR oligomers		Sequencing oligomers
	Forward	Reverse	
Exon 14	tctgcagaactgcctattcc	ccaaaagcacctgatcctag	ccaaaagcacctgatcctag
			tctgcagaactgcctattcc
Exon 15	fcccagagagaacttag	cgttaacacctcagtgctta	fcccagagagaacttag
Exon 16	catgcctggcttctctcata	ttgacctctgatttatagagtg	ttgacctctgatttatagagtg
			catgcctggcttctctcata
Exon 17	gagcaaaagctgaaactgaattta	caacagggaaactatagcaaagat	caacagggaaactatagcaaagat
Exon 18	gggtgtggcaaggattgagt	acaaactggcttttagctatcatc	acaaactggcttttagctatcatc
Exon 19	gaccttcataggcagcataa	ccaggcctttatgctactacaat	ccaggcctttatgctactacaat
			gaccttcataggcagcataa
Exon 20	gataagaggccttccatcac	agtaagcagactgctgtgag	agtaagcagactgctgtgag
			gataagaggccttccatcac
Exon 21	fgttcgagaggagtgtaagaaat	gctctcaagcaggttatagacca	gctctcaagcaggttatagacca
Exon 22	gataagaggccttccatcac	agtaagcagactgctgtgag	agtaagcagactgctgtgag
			gataagaggccttccatcac
Exon 23	tctgatttctccttcggatag	gcaatgagaatgacaacttgga	tctgatttctccttcggatag
Exon 24	gctcaaaccagaacatcaa	tggtatgggtgcacaattt	gctcaaaccagaacatcaa
c-KIT			
Exon 1	fgcatgtccacactgcga	cacaaatgggctaaacctactg	cacaaatgggctaaacctactg
			fgcatgtccacactgcga
Exon 2	gtccaagcttagtgcgtgata	tctatggcagatacattcacctctat	gtccaagcttagtgcgtgata
Exon 3	cactcaatttactgaaggatgct	agcatgaagtaataacatgaatctga	agcatgaagtaataacatgaatctga
			cactcaatttactgaaggatgct
Exon 4	tcctgtaatatgaaggttccaatg	gctttccacttctcactaa	gctttccacttctcactaa
			tcctgtaatatgaaggttccaatg
Exon 5	cctttcactgtgacagtgat	agagactgctgtatcccag	agagactgctgtatcccag
Exon 6	tcacaacaggcgttggtc	ttcaactgtttggctcctct	tcacaacaggcgttggtc
Exon 7	agccgctcctgtacct	gcaacaaaaatfatgtctaccaag	agccgctcctgtacct
Exon 8	tcatcaggattcaaacccg	gcatggttaaaattgctctgga	gcatggttaaaattgctctgga
Exon 9	ctcaacttctattctgcagtattgtg	gaaaactcattgtttcaggtgg	ctcaacttctattctgcagtattgtg
Exon 10	gggtcagttgggactgag	gtccagagacatttctacga	gtccagagacatttctacga
Exon 11	fgttcacctgaacaatgagt	caataaaaggcagcttgaca	caataaaaggcagcttgaca
Exon 12	cctgtgtcttcttctctacag	aatacgacaataactagggtatgtcc	aatacgacaataactagggtatgtcc
			cctgtgtcttcttctctacag
Exon 13	gctgtttatgttactccacataagg	tgcatggaactaaagttagaaga	tgcatggaactaaagttagaaga
			gctgtttatgttactccacataagg
Exon 14	gcatggacccaatatcg	ccatatctatagaagatactcaggca	ccatatctatagaagatactcaggca
			gcatggacccaatatcg
Exon 15	tgtaaccagcctaggattgt	agacaggctgtactttacagcttat	tgtaaccagcctaggattgt

Gene	PCR oligomers		Sequencing oligomers
	Forward	Reverse	
Exon 16	gtgaacatcattcaaggcgt	gaatgtagttgtagtaatgttcagca	gaatgtagttgtagtaatgttcagca
			gtgaacatcattcaaggcgt
Exon 17	ftaatctccatgccgtactga	aaataaaaggaaaacgtgacc	aaataaaaggaaaacgtgacc
			ftaatctccatgccgtactga
Exon 18	tctgttcaattttgtgagcttct	cagggtatgcaactggac	cagggtatgcaactggac
Exon 19	ctgtagttattttcataatctctgtcac	gtgagtacaaaactctccacct	gtgagtacaaaactctccacct
			ctgtagttattttcataatctctgtcac
Exon 20	ggtaagatagtcttgggcct	aatatctgttgaatctcgaagca	aatatctgttgaatctcgaagca
			catttagagaactgtggccgt
			gcttaatgttgaaatttttgg
			ttttcacatagctgtctagagtagctt
			gattaagagccatataagtttgaagg
			cttgtgcacgacgatgtct
			gattagaagctgaaaacctaatgccc
			ggtaagatagtcttgggcct

NA, not applicable.