

Supplementary Table 1. Summary of samples, assays made, and analyses performed.

Patient ID	Sample ID	Tumor %	SNP	Mate pair	ddPCR	Pipeline 1	Pipeline 2
1	01-blood	N/A*	Yes	No	Yes	Yes	No
2	02-blood	N/A	Yes	No	Yes	Yes	No
4	04-blood	N/A	Yes	No	Yes	Yes	No
5	05-blood	N/A	Yes	Yes	Yes	Yes	Yes
6	06-blood	N/A	Yes	No	Yes	Yes	No
8	08-blood	N/A	Yes	Yes	Yes	Yes	Yes
10	10-blood	N/A	Yes	Yes	Yes	Yes	Yes
15	15-blood	N/A	Yes	No	Yes	Yes	No
16	16-blood	N/A	Yes	Yes	Yes	Yes	Yes
18	18-blood	N/A	Yes	Yes	Yes	Yes	Yes
19	19-blood	N/A	Yes	No	Yes	Yes	No
24	24-blood	N/A	No	Yes	No	No	Yes
28	28-blood	N/A	No	Yes	No	No	Yes
29	29-blood	N/A	No	Yes	No	No	Yes
1	01-tumor	90	Yes	Yes	Yes	Yes	No
2	02-tumor	90	Yes	Yes	Yes	Yes	No
4	04-tumor	80	Yes	Yes	Yes	Yes	No
5	05-tumor	75	Yes	Yes	Yes	Yes	Yes
6	06-tumor	65	Yes	Yes	Yes	Yes	No
8	08-tumor	75	Yes	Yes	Yes	Yes	Yes
10	10-tumor	90	Yes	Yes	Yes	Yes	Yes
15	15-tumor	75	Yes	Yes	Yes	Yes	No
16	16-tumor	70	Yes	Yes	Yes	Yes	Yes
18	18-tumor	90	Yes	Yes	Yes	Yes	Yes
19	19-tumor	75	Yes	Yes	Yes	Yes	No
24	24-tumor	75	No	Yes	No	Yes	Yes
28	28-tumor	65	No	Yes	No	Yes	Yes
29	29-tumor	60	No	Yes	No	Yes	Yes
18	18-metastasis	60	No	Yes	Yes	N/A	Yes
24	24-metastasis	50	No	Yes	No	N/A	Yes
28	28-metastasis	75	No	Yes	No	N/A	Yes
29	29-metastasis	60	No	Yes	No	N/A	Yes

*Not applicable

Supplementary Table 2. Summary of tissue samples and their mate pair characteristics.

Sample ID	MP protocol	Mapped reads	Estimated read length	Useful reads (GB)	Read depth*	Median insert size	Physical read depth
5-blood	Transposon	73,883,169	87	6.4	2.2	2994	37
8-blood	MP library v2	72,990,196	100	7.3	2.5	3122	39
10-blood	MP library v2	82,981,371	100	8.3	2.9	2982	42
16-blood	MP library v2	75,600,526	100	7.6	2.6	2989	39
18-blood	Transposon	95,614,208	83	8.0	2.8	4392	71
24-blood	Transposon	77,825,341	82	6.4	2.2	2529	32
28-blood	Transposon	40,224,075	85	3.4	1.2	1789	12
29-blood	Transposon	83,954,028	84	7.1	2.4	3090	44
1-tumor	MP library v2	21,513,384	100	1.1	0.4	2193	7
2-tumor	MP library v2	67,991,066	100	3.4	1.2	2406	28
4-tumor	MP library v2	33,055,958	100	3.3	1.1	2073	12
5-tumor	MP library v2	42,324,457	100	2.1	0.7	2773	20
6-tumor	MP library v2	30,660,816	100	1.5	0.5	2563	13
8-tumor	MP library v2	48,652,103	100	4.9	1.7	2468	20
10-tumor	MP library v2	39,337,693	100	3.9	1.4	2938	20
15-tumor	MP library v2	37,136,110	100	1.9	0.6	3051	19
16-tumor	MP library v2	37,484,956	100	3.8	1.3	1662	11
18-tumor	MP library v2	25,056,830	100	2.5	0.9	2856	12
19-tumor	MP library v2	75,551,380	100	3.8	1.3	2922	38
24-tumor	MP library v2	64,894,996	100	6.5	2.2	2840	31
28-tumor	MP library v2	29,999,326	100	3.0	1.0	2867	15
29-tumor	MP library v2	18,614,829	100	1.9	0.6	2965	9
18-metastasis	Transposon	95,038,956	87	8.3	2.9	1192	47
24-metastasis	Transposon	92,742,464	84	7.8	2.7	2687	41
28-metastasis	Transposon	102,212,707	84	8.6	3.0	2709	46
29-metastasis	MP library v2	14,900,356	100	1.5	0.5	2902	7

*Read depth equals Useful Reads / 2.897310462

Supplementary Table 3. Primer and TaqMan probe sequences and amplification protocols for PCR validation, Nested PCR, and ddPCR. All probes contain a 6FAM or HEX fluorophore at the 5' end and a black hole quencher-1 (BHQ-1) at the 3' end.

Pt. ID-SSV (Assay)	Sense primer (5'-3') Antisense primer (5'-3') Probe (5'-3')	Amplification protocols
Chr3 (Reference)	CTAGAAGATCTACCTCCAAGAGG CCAGGCTGAAGCTATTCCAG CTCATACTCTGGCATATGGGCTGG	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
gCYC (Reference)	ACATGGGTACTAAGCAACAAAATAAG CACAATTGGAACATCTTTGTAAAC TTGCAGACAAGGTCCCAAAGACAGCA	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
CPP1 (Purification control)	Reference 1	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
PBC (Lymphocyte contamination control)	Reference 1	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
1-C1I1 (Validation)	GGACCCAGACAAGTGTGAC GTCCGTGGCTCCACAATTAC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
1-C2D1 (Validation)	CAACTGCCCAAGCAAATACA GGGAGGATTTGAGCTTATCT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
1-C11D1 (Validation)	CTATGCAGGAGATGGGCTTG CTGAGGGTGGGTGGATAAGA	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
1-C16D3 (Validation)	TGGTCCCAGTATGGTTAGATGA CCCACCTCCTTAGGTTTTT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
1-C16d1 (Validation)	CCAGCATCATTATGGAGTC TTCTGGGGTTTCTGGTGT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
2-C1D1 (Validation)	GGCAAGTTTTTGAGGAAAAGG CAGGAGGCAGTCCTGAATTT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
2-C3D1 (Validation)	TCCCTGCTTTAATTTGAGGT TCCATAGGGTTTGCATATGTCTC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
2-C3D2 (Validation)	TTAGAGGTCATGGCCACATTT GGGTTCAACAGTTCATCAAAGG	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
2-C3D3 (Validation)	CACCCACACCAGGCATACA AACCCCAAACATAAGAATCCTAGC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
2-4D1 (Validation)	GTGTGGGCACATTTGTTTCAT GGCATGATGAATGGGGTAAA	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
2-C7D1 (Validation)	TTTATGTTAGCTCTATGGTTTTGTAGA AGAAAACATTCCAGGCCAGA	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
2-C11D1 (Validation)	GAAGGAGTAGAGTAAACAAGGAAAAGA TTCCTCAGAAAACAGATGCTCA	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
2-C13ITX2 (Validation)	GAAGTCCCTTTCTACCCAACCC CAATGGCTAGCCCACCCTCAT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
4-C1D1 (Validation)	TCCCAACTGTTACTGTACTGC AAGCATTTGACTTTGGCTTG	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
4-C2D1 (Validation)	TGTCCTTAAATGTCCTTAAATGC TCTCTGTTAAAACCAGCATTCCG	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
4-C2D2 (Validation)	GGGTTGAGGATGGAATTTGA CAAAATCATACAAAAGCTCACTCA	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
4-C7D1 (Validation)	CCCTAGTCCAGGTGCTTCAG GTCCAGCAAGAGCCCTAGAA	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
4-C10D1 (Validation)	ATCCCTTTGAGAGCCAGTCA CCACGGCACTGGGAGTAAAT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
4-C16D1 (Validation)	TTCATAATACAGGAACAAGAGTGTA GTTCCCCAGGTGAGCTAAAG	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
4-C18D1 (Validation)	AGAGTTCCTTTAGGTCTGTTGTGA CCCTGGGCATAGTTGAGAAC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
5-C1D1 (Validation)	CAAGGGCTATCTGGCATCTT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'

5-C1D1 (Validation)	AAGACGTGCAAGCCTTATATTACA	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
5-C1D2 (Validation)	GGGTGTGCACTCTCGTCTCT TGCCAGAGTCACAAAAATGG	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
5-C1I1 (Validation)	AACAACCTGGCACTCAAGAGGA AACTTTTGTGACGCTTGTGC	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
5-C5D1 (Validation)	TGCTTTGATTTTATAGCATGACC AGGAGCTTATGGAAGTCAGGT	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
5-C12D1 (Validation)	TGGTCCAGGAAGAGTGAGAC AACAGACACATAGACCAGTGGAAAC	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
6-C10ITX1 (Validation)	TGTTGTGTTTTAAAACCAGTAATTTGA CACCTAGCTTGCAGTGTGA	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
6-C20D2 (Validation)	TTCCCCTCCAACAGTGAAAC GCAAAAGGTTTTGAAAATGG	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
6-20D3 (Validation)	CTAAGCACAGAAGGTACTAGAGAACA GAAACTGCCTCGCAAATCAT	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
6-C20I1 (Validation)	TGTCAGGGTCCAGGATTTGAA GGCTGCTCCACAGACACTG	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
6-C20ITX1 (Validation)	TTCTGACTGGGGATTTTCTG AATCCTCAATCCGACTTTGG	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
8-C1D1 (Validation)	CCATTCCACACCCACATACT GTTGGCGGAGTTCAGAATTA	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
8-C3D1 (Validation)	GTAAGATCGGGAGGGAAAGAA CAGGAGTGGCTCTTCTCAA	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
8-C7D1 (Validation)	TAGGGGTGCTCCACCTTCAG CTGAAACCTCTGCTTTGGAACG	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
8-C15D1 (Validation)	GTAAGCGACCTCAGCGTTT GCTTGTCATCTTAGACACTGAAAC	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
8-C16D1 (Validation)	ATGGATTTGCCTATGTCCAA GCTGGCATTTCAGTGTCTC	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
8-C16D2 (Validation)	CCTTAAGTTGCGCCTGTTTA GTGAGCATCCAAGGTAGGAA	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
8-C16D3 (Validation)	TGACCAGGTGTGGATGGAGA AGTACGGCAGTGCAAACACA	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
10-C3D1 (Validation)	AAGTTTTTGTCTTGCTTGG GCTGGTACTCCTCTCCTGT	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
10-C6D1 (Validation)	GTGTCAGACTGAAGAGGTATGG GCCATAGTTAGCCAATCCCTA	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
10-C7D1 (Validation)	AAACTCGCTCCAGATCATCC TGTCAGTTGTACCTGCAGCT	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
10-C7D2 (Validation)	CCCAGAACGGTGAGTAAATG CTGCAAAATCATGCCAAAA	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
10-C9D1 (Validation)	TGGCTTTCAATGGGATCATA AGAAACCGGTTGGAGGTAAC	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
15-C12D1 (Validation)	GGGAGGGTGAGAAAGAGGAG TCATTTCCCTGCTCCAAAAC	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
15-C12I1 (Validation)	ATCTGGCTTGTA AAAACTGGGTG CAATGGGGGAAACTGGAAAG	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
15-C12D2 (Validation)	TTTAATCAGTTTTTCTTCCATCCT AATGCCTTGGATGAGCTGAG	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
15-C12I2 (Validation)	GTCTTGTCCTTTCGCAGAC CAGCTTCCATTGTCCCTCTC	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
15-C14D1 (Validation)	CCTTCACTGTCGCTGAGGAT TGATCTTAAAGCTACAGAGTGACTGG	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
16-C6D3 (Validation)	GGAATCCGACTACAGGGTTT TGCCATTAGACTGGACTGGT	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
16-C6D1 (Validation)	TGAACCAAGAGCAAACAATC CTTTGCCCATGTTCTCTGTC	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'
16-C14D1 (Validation)	TTGAGTAGCTCTCCACCTG CTATGGCCCCCTATTCAACT	95°C 15', (95°C 30', 58°C 30', 72°C 2') x40 & 72°C 5'

16-C16D1 (Validation)	AGCCCTCCTCTGCAATAGTT CACACCTGACACAGCACATT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
18-C3D1 (Validation)	TCCTGCTGAATTACCTATTTCG GAAAAGGAAACAAATGCACAG	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
18-C16D1 (Validation)	CAAAGGCAAGGACAGAAATG CACACATCGAGATGCTCTGT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
18-C16D1 (Validation)	CAGGAGACAAAGCTTACTGCC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
18-C16D2 (Validation)	CCCATCACTGCATCATATTG ATTTACTTTGGGGCTCATGG	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
18-C16D3 (Validation)	TTGCAAGCTATTTCAGTCAACTC TCCTTTCTTTCCCTTCAGTGG	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
18-C20D1 (Validation)	CAATAAACCCACAAACAGC GGCCACCTATTGACATCATC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
18-C20D2 (Validation)	CCCCTCTGCACTTAGTGTGT TATTCCTCCATGCCACTGAT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
19-C5D1 (Validation)	AAACGAAAAGGAAGAAAAATGA CTGTCCCAGTTTGGGTTTTTC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
19-C8I1 (Validation)	CTAACTCAAGACACAAGGCAC TCCTTTCATAGGGATACAACATGG	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
19-C12D1 (Validation)	AACAGCCCTACCTTCCCCT CCACTCTACATTCCACAGATGC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
19-C12D2 (Validation)	AACAGCCCTACCTTCCCCT CCACTCTACATTCCACAGATGC	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
19-C13T(13:8)1 (Validation)	CTCTGCCTCACACCCAGAA CCGAAATGTCCAATAGCAAAA	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
19-C13T(13:8)2 (Validation)	GAAATGAATAAGCTGGTTTTGCT CTCTGGGAGGCTAAACTTTTGT	95°C 15', (95°C 30'', 58°C 30'', 72°C 2') x40 & 72°C 5'
1-C1I1 (ddPCR)	GCAGGAGGTACACAGGAAGTAT TTGCCACCTTCCATAGATTT TGTGAGGCAAGAGCAGTCTGG	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
1-C2D1 (ddPCR)	TTTGTCTTCTAATTAATGCCTTTGA TCAGGGGATTTGTTTGAAGTC CCTACTGGTTGCAGCAGCTTCA	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
1-C11D1 (ddPCR)	GACCCTACCTATGGTTGTGAGAGT AGCTGGGTGTATTGTAATCCCACA AATGGCCCACGGGTCTGCTG	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
1-C16D3 (ddPCR)	TGCTGCACATTTACACCGTTC TTTCTCCCAACTTCAATCATATACCA TAGGCTTTCGCATTTTCACCTTACCACC	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
1-C16d1 (ddPCR)	GGCTCATGTGGTTCAGGAAG CGCATGGAACCAAGATGAAT GAATGCAGGGAGTTATTAACCTCA	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
2-C1D1 (ddPCR)	TTGGCTTGGAGATATCTGAAAAGTGT TGCACTAGAAATTCAGTCATGCCT AATGAGGGTGGAAATAAGCTTGCCTCT	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
2-C3D1 (ddPCR)	GATCTAGGGGTAAACTCTACTGAA TGCAGCCCTTGTATATTGGATG TATGGTTGCTTTTGGTGGAAACCCCTT	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
2-4D1 (ddPCR)	CATAACTTTTTCAACAAGCATCCA GGGCACATTTGTTTATAATTTTC TCCTTTAGGCCCAATATCTGAAAGATAA	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
2-C11D1 (ddPCR)	ATTTGGCACTATCAGCAAAGTATTA AGTTCTGGGTACAATTCTAGAGC ACTGAAATTAAGGCAGAGAGACCTGGA	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
2-C13ITX2 (ddPCR)	TTCACTCTCATTGCTGAGTGGT AGAGAAGCCCACACAGTTG TTGCCGACTCACCTGCTTCT	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'

4-C1D1d (ddPCR)	TCCCCAACTGTTACTGTACTG ATCTATTCAAGGCATATATAGCTACA TTGCTGTAAGGACTCTGAAGGACT	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
4-C2D1d (ddPCR)	TTTGGTCTGTTTATGGAGATGAAG AGCTGAACCATATAGGCTG ATTCCAAGAAAACCAAAGTTGACCCA	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
4-C7D1d (ddPCR)	GCCTTCCTAAATCCTCATGTGT CTATATGAGAAAGGGAAAATTGTGT ACCTGGTCTGCCACAATTCCAC	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
4-C10D1d (ddPCR)	TATGTTATACAAAATTGTCCCACGAG TGATTTCTGTCCAAGGTGC ACACTGAAGTATGCCACGGTT	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
5-C1D2 (ddPCR)	TTGGTCTTCTGTCAATCTC GGAGTGCAGTGGTGTGAG TTTTGACATACCCTATTCTCCTGC	95°C 10', (95°C 30'', 57°C 30'') x45 & 98°C 10'
5-C1I1 (ddPCR)	CTTCGGGACCTTGAACCTTG TTTGGGTGTATACCCGTTCC TCCATATTCTTGGAACTGTGTACCCA	95°C 10', (95°C 30'', 57°C 30'') x45 & 98°C 10'
5-C5D1 (ddPCR)	TGACCTGTATGAGTAAGCATATAAAAT TGGTTTTGTGTTATAATCTTGTCTC TTAGAGCCTACTAAAATGATCAAGATCTC	95°C 10', (95°C 30'', 61°C 30'') x45 & 98°C 10'
5-C12D1 (ddPCR)	GCCACACAGCTGATTTAGAGG ACCCACAAGAAAACCAAAG TCTTCTGGCCATTACTCTTAAGCA	95°C 10', (95°C 30'', 57°C 30'') x45 & 98°C 10'
6-C10ITX1 (ddPCR)	CCGGGTCTTTCCCTTCT TTTATACCCAGACAGTTCTCCA ACCTCCTGTGATCCTGGCCC	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
6-C20D2 (ddPCR)	AAGGATTGTGTGTATCTGTGATGTC CTCTGTCTGCCTCCCTCTA AAATCATAACATTAGGGGATTTGTTC	95°C 10', (95°C 30'', 56°C 30'') x45 & 98°C 10'
6-20D3 (ddPCR)	TTCTCCATGAGCCCTCTC CACTGTTCATCCATAGCAGCTC CCACCACACAATGCCAAGCA	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
6-C20I1 (ddPCR)	ACACCGCCAAGGTGAATTT TCCGGTCTATCACCAGCTTC CACCTAGAGGTCCCAGG	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
8-C1D1d (ddPCR)	CGCAACATGAATGAATGTCAGA AGCCAAGCCAGAGAGAGG AGTTCCAATCCTTCCCAGTCAGCTGCA	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
8-C3D1d (ddPCR)	TGTCTTCCCTGAGTGACCAT ACGCTATAAATTGGCCTTTG CAATGAAGCCAGAGACCATGCATG	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
8-C7D1d (ddPCR)	TCACAGCTTCAACAAGTTTGC TCAAGCTCTAACAGTCTTCAAATAA TGGAACAAGTGAAGAGATGTGGTTT	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
8-C15D1d (ddPCR)	CCCTGTGGGCTGCAAAGATT ACAGAACCAGGTGAGAGCTG CCACCCTGGTGTCTTTCAGCTCA	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
8-C16D2d (ddPCR)	AGAGCTTACAAGAGCACCT AGTATTTATAGTCTTTCAGTACCTCG CTCTCTGAGCACTCCCCGTGT	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
10-C3D1N (Nested)	TATGCCAGAGATTGCAAATGT CCAGCAAGCTATCACGTAGG	95°C 15', (95°C 30'', 58°C 30'', 72°C 45'') x12 & 72°C 5'
10-C3D1d (ddPCR)	GCCAGAGATTGCAAATGTTT TGGAAAAAGTGAAGTACATGAA CATAAGTTTAGTGTCTTTCAGCTCA	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
10-C6D1N (Nested)	GGGACTTTGAAATTCTGAGATG	95°C 15', (95°C 30'', 58°C 30'', 72°C 45'') x12 & 72°C

10-C6D1N (Nested)	GAGGTGTTTTAATTAACAATCTTGAG	5'
10-C6D1d (ddPCR)	TCCATCAGGAAATTTTTGG TGTGCTATGTTTTGAAGCA CTTGAGAGATTTGTTTACACATGTGTAGG	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
10-C7D2N (Nested)	AAGTTTTGTTGGCTTCGAGA CAATACAGGAGCACCCAGAT	95°C 15', (95°C 30'', 58°C 30'', 72°C 45'') x12 & 72°C 5'
10-C7D2d (ddPCR)	CCAGAATCTCCAGAGCCA CCACACATTAATAATGGGAGACT CTCCATTCCTTTAGAACCACTACAGTGGG	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
10-C9D1N (Nested)	CCATGTTTACACCACGGAAC AGAAACCGGTTGGAGGTAAC	95°C 15', (95°C 30'', 58°C 30'', 72°C 45'') x12 & 72°C 5'
10-C9D1d (ddPCR)	TCAATGCTCCACTATTGGTAAA CGGTTGGAGGTAACGAATC CTATTTCTAAGTGAACATCAGGAGAAC	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
15-C12D1 (ddPCR)	TCTATGTTTCAGAGAGGCTGATTT AGCAAATAAGCTGTCACTGTTGAG AGCCACCTGCCTGGGGTCTTCA	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
15-C12I2 (ddPCR)	GGTTGACCTGTTGTCCAAGT AAGGCATCTAACAGGAAAAGA AGAACATTCGTCCCTTCTCTCTCC	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
16-C6D3N (Nested)	AGGCTAAAACCTTTGGAATTTTCT TTCTTCCAATGTTAAATCTTGC	95°C 15', (95°C 30'', 58°C 30'', 72°C 45'') x12 & 72°C 5'
16-C6D3d (ddPCR)	GAGTCCCTTTTGATCACACC GCCAGAAAATTCATCCAGTT AATTATTGGATTGCTTGGGAAGAGTGG	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
16-C14D1N (Nested)	AAACCCCTTTTCTCCATGAC TGCATAGAAAGTTTGATTGCTT	95°C 15', (95°C 30'', 58°C 30'', 72°C 45'') x12 & 72°C 5'
16-C14D1d (ddPCR)	CCTTTTCTCCATGACCTTTG TCATGAGTTCCATTGATTGC CACAGTATTCTCTATTGCAGTGGTGCT	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
16-C16D1N (Nested)	AGAGGCTGATCAAAGGGAAT CCCCTGAGATGATTTTTGC	95°C 15', (95°C 30'', 58°C 30'', 72°C 45'') x12 & 72°C 5'
16-C16D1d (ddPCR)	GGGATTGCAGGACTCTTTC GAATGATCACAGCCTTCAAA AGGGGAAGGAGGCAGAGTGCTTA	95°C 10', (95°C 30'', 58°C 30'') x45 & 98°C 10'
18-C3D1d (ddPCR)	CTGCTTTACACTCAGTTGATCTGT GAGTCACCAGAGACCTTGTACA TTCCCTGCCTAGCCTTGCT	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
18-C16D1d (ddPCR)	CCTCGCTCAAGAAGTCTGT TTCCCTGAAACTCCCACAACA TCCTACGGGAGAGACTCAATGC	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
18-C16D2d (ddPCR)	ATGGAATGCTGTATTTCATACATCTGA TTACTTTGGGGCTCATGGACTTG CCAGATGTGGATACCCTGGAAAGTGG	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
18-C16D3d (ddPCR)	ACTGTACCAAGCAACTACATT ATTCAAACAGACTGAGTGTGAC ATGCCTAAGACTTTAAGAGGAAAAGCT	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
18-C20D1d (ddPCR)	ACAACCCAGGAATTAGAAGG TCTGTGAGTCTGGTTAGCACAA AAGACGGCATGAGTGAAGTCCCT	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
18-C20D2d (ddPCR)	TTCATTACCCTGAGCTTTGGTT TCTTCAGAGATTCCTCCCTTCC TAATCTGGGCAGCCTCCAGTTCACA	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'
19-C5D1 (ddPCR)	CAGAAGGAATCATAATCAATTTCTA CAAAGTGATATCCTCAAACAGCTA TGAAAGGAAGTCTAGCTTAATCATT ACCTTGGGCAAGAGAGTTA	95°C 10', (95°C 30'', 59°C 30'') x45 & 98°C 10'

19-C8I1 (ddPCR)	AAAATAGGTCATCAAAAGGAAAAA CACTGAATCTTTGTGGCCTCACC	95°C 10", (95°C 30", 59°C 30") x45 & 98°C 10"
19-C12D1 (ddPCR)	TGTGCTCCAAATCAAATGC GTCATTGCCACTGGTCTCCT TCCAGATCACTAGCTCTGAACATTGA	95°C 10", (95°C 30", 59°C 30") x45 & 98°C 10"
19-C12D2 (ddPCR)	ACTGATACTGGTTAAGAGGATCTTG TTCCATTTTAATGGGAACAATG TCCCAAATGGAATCTATAAAGGGA	95°C 10", (95°C 30", 59°C 30") x45 & 98°C 10"
19-C13T(13:8)1 (ddPCR)	GGCAATTTCCCCTGTATCC AATAGTGTCTCTGGGGATGA TGAGAATTAATAATGACCTTCTCCA	95°C 10", (95°C 30", 59°C 30") x45 & 98°C 10"
19-C13T(13:8)2 (ddPCR)	TTACAACCATTGTTGAGGGTCT TTGTTCAAGCCAATGTGTTTTTC CTGTCCAGGGAATAATAATGTTTGA	95°C 10", (95°C 30", 59°C 30") x45 & 98°C 10"

1Pallisaard N AR, Spindler KG, Jakobsen A. European Journal of Cancer. Vol 49:suppl.4, Abstract MC13-088, 2013.

Supplementary Table 4. Somatic rearrangements identified by pipeline 1 and 2.

Pt.	Pipeline	Chr.	Location 1 (Hg19)	Chr.	Location 2 (Hg19)	Size(bp)	Class	Reads	Amplitude (SNP) [#]	Validated by Sanger sequencing	Plasma SSV analysis by ddPCR	Preserved from tumor to metastases
1	1	1	21,800,307	1	64,580,322	42,780,015	INV	4	-0.462	C1I1	Negative	N/A**
1	1	2	190,380,577	2	190,403,932	23,355	DEL	5	-0.345	C2D1	Negative	N/A
1	1	4	99,212,690	4	99,282,549	69,859	DEL	2	-1.338		ND*	N/A
1	1	5	59,509,055	5	59,643,263	134,208	DEL	2	-0.403		ND	N/A
1	1	7	90,068,750	7	90,270,995	202,245	DEL	4	-0.559		ND	N/A
1	1	11	84,971,740	11	85,313,110	341,370	DEL	3	-0.352	C11D1	Negative	N/A
1	1	16	6,344,378	16	6,940,220	595,842	DEL	4	-0.523	C16D3	Negative	N/A
1	1	16	6,459,598	16	7,211,090	751,492	DEL	4	-1.165		ND	N/A
1	1	16	7,418,474	16	7,496,667	78,193	DEL	3	-0.536	C16D1	Negative	N/A
1	1	18	57,549,267	18	57,639,302	90,035	DEL	3	-1.096		ND	N/A
1	1	20	14,719,275	20	15,258,734	539,459	DEL	4	-0.405		ND	N/A
1	1	20	14,922,380	20	15,022,536	100,156	DEL	3	-0.42		ND	N/A
1	1	20	14,969,501	20	15,195,944	226,443	DEL	2	-0.405		ND	N/A
2	1	1	192,775,425	1	192,821,726	46,301	DEL	5	-1.04	C1D1	Negative	N/A
2	1	3	60,138,611	3	60,196,513	57,902	DEL	4	-0.44	C3D1	Negative	N/A
2	1	3	60,290,731	3	60,393,493	102,762	DEL	9	-0.49	C3D2	ND	N/A
2	1	3	60,484,029	3	60,661,659	177,630	DEL	7	-0.48		ND	N/A
2	1	3	174,764,067	3	174,865,023	100,956	DEL	7	-0.86	C3D3	ND	N/A
2	1	3	174,865,300	3	174,976,187	110,887	DEL	7	-0.36		ND	N/A
2	1	4	91,766,206	4	91,818,287	52,081	DEL	7	-0.34		ND	N/A
2	1	4	93,177,692	4	93,330,435	152,743	DEL	4	-0.37		ND	N/A
2	1	4	93,400,494	4	93,916,277	515,783	DEL	6	-0.30		ND	N/A
2	1	4	93,586,033	4	93,698,710	112,677	DEL	4	-0.96		ND	N/A
2	1	4	106,175,087	4	106,525,867	350,780	DEL	11	-0.37	C4D1	Positive	N/A
2	1	6	19,185,392	6	40,968,849	21,783,457	INV	8	-0.42		ND	N/A
2	1	6	91,712,449	6	91,856,061	143,612	DEL	6	-0.4		ND	N/A
2	1	6	163,050,354	6	163,162,927	112,573	DEL	6	-0.92		ND	N/A
2	1	7	145,992,207	7	146,306,320	314,113	DEL	5	-0.4		ND	N/A
2	1	7	146,323,715	7	146,395,251	71,536	DEL	3	-0.397	C7D1	ND	N/A
2	1	7	146,407,661	7	146,618,400	210,739	DEL	5	-0.855		ND	N/A
2	1	7	146,504,749	7	146,691,204	186,455	DEL	3	-0.414		ND	N/A

2	1	7	146,852,920	7	146,945,474	92,554	DEL	4	-0.987		ND	N/A
2	1	7	147,057,615	7	147,206,451	148,836	DEL	7	-0.469		ND	N/A
2	1	11	80,646,575	11	80,977,206	330,631	DEL	3	-0.4	C11D1	Negative	N/A
2	1	13	27,530,543	13	27,537,906	7,363	ITX	91	1.238	C13ITX2	Positive	N/A
2	1	20	14,808,980	20	14,848,561	39,581	DEL	2	-0.384		ND	N/A
2	1	20	14,821,503	20	15,172,003	350,500	DEL	3	-0.6		ND	N/A
2	1	20	14,966,177	20	15,201,351	235,174	DEL	2	-0.3		ND	N/A
4	1	1	106,503,709	1	118,449,060	11,945,351	DEL	4	-0.127	C1D1	Positive	N/A
4	1	2	110,109,317	2	110,251,577	142,260	DEL	5	-0.339		ND	N/A
4	1	2	110,874,389	2	111,037,146	162,757	DEL	5	-0.339		ND	N/A
4	1	2	114,553,679	2	114,619,945	66,266	DEL	3	-0.246		ND	N/A
4	1	2	118,051,890	2	122,662,329	4,610,439	DEL	5	-0.378		ND	N/A
4	1	2	136,631,841	2	137,959,724	1,327,883	DEL	2	-0.163	C2D2	ND	N/A
4	1	2	143,775,511	2	149,312,728	5,537,217	DEL	2	-0.374	C2D1	Positive	N/A
4	1	5	146,440,990	5	146,878,844	437,854	DEL	2	-0.269		ND	N/A
4	1	6	381,150	6	625,549	244,399	DEL	3	-0.289		ND	N/A
4	1	6	1,128,938	6	2,163,475	1,034,537	DEL	3	-0.33		ND	N/A
4	1	6	2,237,480	6	5,325,143	3,087,663	DEL	2	-0.318		ND	N/A
4	1	6	5,587,549	6	5,925,022	337,473	DEL	2	-0.354		ND	N/A
4	1	6	6,882,525	6	9,158,626	2,276,101	DEL	2	-0.342		ND	N/A
4	1	6	20,781,286	6	20,901,416	120,130	DEL	2	-0.357		ND	N/A
4	1	6	21,010,568	6	21,347,173	336,605	DEL	2	-0.308		ND	N/A
4	1	6	21,421,445	6	21,462,849	41,404	DEL	1	-0.378		ND	N/A
4	1	6	22,015,481	6	22,074,193	58,712	DEL	2	-0.322		ND	N/A
4	1	6	65,846,617	6	65,876,997	30,380	DEL	1	-0.253		ND	N/A
4	1	7	147,155,588	7	147,805,585	649,997	DEL	2	-0.122	C7D1	Positive	N/A
4	1	8	60,726,644	8	82,048,061	21,321,417	AMP	3	0.237		ND	N/A
4	1	8	90,312,120	8	91,641,447	1,329,327	AMP	4	0.246		ND	N/A
4	1	10	134,652,722	10	135,252,996	600,274	DEL	1	-0.355		ND	N/A
4	1	10	28,421,452	10	28,870,756	449,304	DEL	2	-0.277	C10D1	Positive	N/A
4	1	14	95,780,574	14	96,734,831	954,257	DEL	2	-0.388		ND	N/A
4	1	14	96,736,016	14	96,797,473	61,457	DEL	2	-0.282		ND	N/A
4	1	14	96,980,052	14	97,124,096	144,044	DEL	4	-0.318		ND	N/A
4	1	14	97,151,378	14	97,226,233	74,855	DEL	1	-0.443		ND	N/A
4	1	16	6,653,132	16	6,752,046	98,914	DEL	2	-0.145	C16D1	ND	N/A

4	1	17	11,590,136	17	11,997,692	407,556	DEL	1	-0.683		ND	N/A
4	1	18	2,763,210	18	4,038,123	1,274,913	DEL	2	-0.404	C18D1	ND	N/A
5	2	1	26,213,965	1	26,579,546	364,025	DEL	2		C1D1	ND	N/A
5	2	1	36,670,445	1	55,589,198	18,917,576	DEL	2		C1D2	Negative	N/A
5	2	1	55,429,415	1	59,046,906	3,616,905	INV	2		C1I1	Negative	N/A
5	2	5	119,499,524	5	119,549,363	52,620	DEL	3		C5D1	Negative	N/A
5	2	12	86,881,455	12	86,970,252	91,383	DEL	2		C12D1	Negative	N/A
6	1	10	5,382,443	10	5,782,602	400,159	ITX	3	0.208	C10ITX	Positive	N/A
6	1	20	14,677,101	20	15,070,699	393,598	DEL	3	-0.125	C20D2	Negative	N/A
6	1	20	29,809,848	20	54,457,627	24,647,779	DEL	2	0.312		ND	N/A
6	1	20	30,326,644	20	47,981,511	17,654,867	ITX	2	0.493		ND	N/A
6	1	20	39,815,996	20	57,603,751	17,787,755	ITX	4	0.432		ND	N/A
6	1	20	42,817,826	20	61,090,236	18,272,410	DEL	4	0.656	C20D3	Positive	N/A
6	1	20	42,828,701	20	56,544,922	13,716,221	ITX	7	0.656		ND	N/A
6	1	20	48,277,025	20	61,058,932	12,781,907	INV	2	0.39		ND	N/A
6	1	20	51,106,900	20	61,090,236	9,983,336	INV	5	0.473	C20I1	Positive	N/A
6	1	20	51,590,161	20	60,118,999	8,528,838	ITX	7	0.355	C20ITX1	ND	N/A
6	1	20	52,281,876	20	61,003,433	8,721,557	DEL	2	0.57		ND	N/A
6	1	20	56,557,247	20	61,058,932	4,501,685	INV	4	0.358		ND	N/A
6	1	20	60,114,377	20	61,049,656	935,279	INV	3	0.357		ND	N/A
8	1	7	11,555,334	7	12,509,227	953,893	DEL	7	-0.299	C7D1	Positive	N/A
8	2	1	245,427,132	1	245,614,918	187,786	DEL	2			ND	N/A
8	2	10	5,618,677	10	5,642,936	24,259	ITX	5			ND	N/A
8	2	10	27,378,773	10	75,270,851	47,892,078	ITX	2			ND	N/A
8	2	15	75,624,637	15	78,238,153	2,613,516	INV	2			ND	N/A
8	2	16	5,436,326	16	5,906,076	469,750	DEL	3			ND	N/A
8	1+2	1	5,686,842	1	37,310,730	31,623,888	DEL	3	-0.213	C1D1	Positive	N/A
8	1+2	3	59,848,514	3	60,212,346	363,832	DEL	3	-0.294	C3D1	Negative	N/A
8	1+2	15	80,743,250	15	86,355,604	5,612,354	DEL	5	-0.216	C15D1	Negative	N/A
8	1+2	15	81,234,423	15	86,360,900	5,126,477	ITX	3	-0.218		ND	N/A
8	1+2	15	85,094,942	15	90,579,064	5,484,122	INV	2	-0.216		ND	N/A
8	1+2	16	6,298,171	16	6,455,087	156,916	DEL	3	-0.301	C16D1	ND	N/A
8	1+2	16	6,457,503	16	6,889,515	432,012	DEL	6	-0.301	C16D2	Negative	N/A
8	2	16	5,436,326	16	5,906,076	469,750	DEL	3		C16D3	ND	N/A
10	1	7	144,859,153	7	145,710,629	851,476	DEL	1	-0.523	C7D2	Positive	N/A

10	2	2	241,552,388	2	241,809,817	257,429	DEL	4			ND	N/A
10	2	3	44,347,960	3	44,370,945	22,985	DEL	11		C3D1	Positive	N/A
10	2	5	146,024,823	5	146,065,960	41,137	DEL	2			ND	N/A
10	2	6	6,147,180	6	6,851,738	704,558	DEL	3			ND	N/A
10	2	7	63,319,538	7	73,874,442	10,554,904	DEL	3		C7D1	ND	N/A
10	2	8	60,013,119	8	61,680,052	1,666,933	INV	11			ND	N/A
10	2	8	60,013,119	8	61,689,902	1,676,783	INV	9			ND	N/A
10	2	16	70,155,648	16	74,394,148	4,238,500	INV	2			ND	N/A
10	1+2	1	6,225,150	1	36,045,932	29,820,782	DEL	4	-0.49		ND	N/A
10	1+2	3	99,995,570	3	118,411,438	18,415,868	INV	2	0.228		ND	N/A
10	1+2	3	99,995,570	3	118,414,770	18,419,200	DEL	4	0.228		ND	N/A
10	1+2	4	171,659,948	4	174,060,373	2,400,425	DEL	2	-0.49		ND	N/A
10	1+2	6	114,209,636	6	114,274,860	65,224	DEL	3	-1.195	C6D1	Negative	N/A
10	1+2	9	90,381,766	9	91,411,294	1,029,528	DEL	5	-0.509	C9D1	Positive	N/A
15	1	5	159,084,546	5	159,320,294	235,748	ITX	3	0.33		ND	N/A
15	1	11	56,624,833	11	65,908,165	9,283,332	DEL	7	-0.265		ND	N/A
15	1	11	66,442,472	19	35,440,503	-31,001,969	CTX	4	-0.304		ND	N/A
15	1	12	2,581,688	12	3,521,403	939,715	DEL	26	-0.359	C12D2	ND	N/A
15	1	12	2,741,301	12	15,090,194	12,348,893	INV	6	-0.285	C12I2	Positive	N/A
15	1	12	3,526,678	12	4,973,443	1,448,586	DEL	20	0.997	C12D1	Positive	N/A
15	1	12	4,055,544	12	14,759,164	10,703,620	INV	30	0.938	C12I1	ND	N/A
15	1	14	31,727,802	14	32,312,933	585,131	DEL	5	-0.283	C14D1	ND	N/A
15	1	15	89,850,225	15	90,165,845	315,620	ITX	3	0.387		ND	N/A
15	1	17	28,555,679	17	34,456,119	5,900,440	DEL	7	-0.274		ND	N/A
15	1	17	34,257,406	17	34,935,790	678,384	INV	6	0.757		ND	N/A
15	1	17	39,314,104	17	40,333,669	1,019,565	INV	3	-0.274		ND	N/A
16	1	14	42,004,790	14	49,754,826	7,750,036	DEL	1	-0.271	C14D1	Positive	N/A
16	1	16	7,035,042	16	7,146,431	111,389	DEL	1	-0.272		ND	N/A
16	2	1	77,695,769	1	77,794,867	99,098	DEL	2			ND	N/A
16	2	1	95,130,572	1	95,314,672	184,100	DEL	3			ND	N/A
16	2	4	26,324,727	4	168,420,548	142,095,821	INV	2			ND	N/A
16	2	6	121,461,719	6	121,630,100	168,381	DEL	4		C6D1	ND	N/A
16	2	6	5,081,051	6	5,523,350	442,299	DEL	2		C6D3	Positive	N/A
16	2	9	136,182,707	9	138,410,139	2,227,432	DEL	2			ND	N/A
16	2	10	77,628,406	10	77,665,811	37,405	DEL	2			ND	N/A

16	2	12	100,433,893	12	100,607,683	173,790	DEL	2			ND	N/A
16	2	14	53,904,951	14	54,129,135	224,184	DEL	2			ND	N/A
16	2	15	64,964,884	15	67,197,464	2,232,580	INV	5			ND	N/A
16	2	15	67,193,914	15	67,632,363	438,449	INV	2			ND	N/A
16	2	20	34,263,207	20	34,290,057	26,850	ITX	2			ND	N/A
16	1+2	16	6,372,175	16	6,685,322	313,147	DEL	2	-0.271		ND	N/A
16	1+2	16	6,688,080	16	7,034,941	346,861	DEL	2	-0.599	C16D1	Positive	N/A
18	1	20	15,013,498	20	15,146,115	130,521	DEL	1	-0.31		ND	No
18	2	3	49,444,117	12	86,120,327	N/A	CTX	2			ND	No
18	2	3	59,811,840	3	59,905,790	93,950	DEL	2			ND	No
18	2	3	175,396,006	10	80,566,192	N/A	CTX	5			ND	Yes
18	2	7	110,429,796	7	110,481,092	51,296	DEL	3			ND	No
18	2	11	61,841,732	14	81,786,446	N/A	CTX	2			ND	Yes
18	2	16	47,991,864	16	69,162,992	21,171,128	ITX	2			ND	No
18	2	16	85,204,195	16	86,503,113	1,298,918	INV	4			ND	Yes
18	2	17	37,792,424	17	39,773,331	1,980,907	ITX	2			ND	No
18	2	20	29,535,048	20	30,535,784	1,000,736	DEL	2			ND	No
18	2	20	32,257,728	20	32,503,263	245,535	DEL	2			ND	No
18	2	21	30,486,042	21	30,546,052	60,010	ITX	4			ND	No
18	1+2	3	25,788,478	3	29,942,146	4,153,668	DEL	2	-0.241	C3D1	Negative	No
18	1+2	9	4,376,242	9	7,805,854	3,429,612	INV	4	-0.743		ND	Yes
18	1+2	9	4,789,944	9	9,665,095	4,875,151	INV	6	-0.804		ND	Yes
18	1+2	16	6,719,893	16	6,802,435	82,542	DEL	3	-0.22	C16D1	Negative	No
18	1+2	16	6,786,299	16	6,942,699	156,400	DEL	6	-0.201	C16D2	Positive	Yes ^{\$}
18	1+2	16	6,806,586	16	6,865,912	59,326	DEL	3	-0.894	C16D3	Negative	No
18	1+2	20	14,842,321	20	15,326,591	484,270	DEL	3	-0.802	C20D1	Positive	Yes
18	1+2	20	15,254,358	20	15,363,390	109,032	DEL	4	-1.27	C20D2	Positive	Yes
19	1	5	93,036,151	5	116,904,266	23,868,115	DEL	7	-0.308	C5D1	Negative	ND
19	1	8	39,232,907	8	39,387,407	154,500	DEL	5	0.39		ND	ND
19	1	8	115,867,302	13	82,256,869	-33,610,433	CTX	10	0.353	C13T(13:8)2	Positive	ND
19	1	8	124,152,277	13	83,045,953	-41,106,324	CTX	13	0.629	C13T(13:8)1	Negative	ND
19	1	8	136,659,089	8	137,983,171	1,324,082	INV	14	0.361	C8I1	Negative	ND
19	1	12	750,451	12	1,673,364	922,913	DEL	26	0.308	C12D1	Positive	ND
19	1	12	750,451	12	1,673,364	922,913	DEL	26	0.308	C12D2	Positive	ND
24	2	1	168,188,764	1	182,274,074	14,085,310	INV	3			N/A**	Yes

24	2	3	193,862,627	3	193,985,240	122,613	ITX	2	N/A	Yes
24	2	4	13,648,443	4	15,503,473	1,855,030	DEL	3	N/A	Yes
24	2	8	28,435,150	17	79,759,475	N/A	CTX	3	N/A	Yes
24	2	9	130,557,710	9	130,714,806	157,096	DEL	3	N/A	No
24	2	13	86,973,917	13	87,951,805	977,888	INV	6	N/A	Yes
24	2	16	6,621,165	16	6,672,258	51,093	DEL	2	N/A	Yes
24	2	17	19,427,192	17	19,790,533	363,341	INV	2	N/A	Yes
24	2	17	21,074,252	17	21,292,903	218,651	DEL	3	N/A	Yes
24	2	20	14,850,153	20	15,072,373	222,220	DEL	2	N/A	Yes
24	2	23	41,184,610	23	78,676,440	37,491,830	INV	4	N/A	Yes
28	2	1	241,431,223	1	242,359,929	928,706	ITX	2	N/A	Yes
28	2	2	98,384,391	2	99,501,960	1,117,569	DEL	3	N/A	Yes
28	2	4	170,281,585	14	52,664,801	N/A	CTX	2	N/A	Yes
28	2	4	91,139,559	4	92,139,761	1,000,202	DEL	4	N/A	No
28	2	5	112,175,701	5	112,240,950	65,249	DEL	3	N/A	Yes
28	2	6	77,436,862	6	77,461,604	24,742	DEL	2	N/A	Yes
28	2	6	157,610,787	6	157,691,692	80,905	INV	3	N/A	Yes
28	2	8	39,433,540	8	39,645,931	212,391	INV	2	N/A	Yes
28	2	8	41,101,130	8	94,940,312	53,839,182	ITX	2	N/A	Yes
28	2	8	39,890,169	8	42,153,400	2,263,231	INV	3	N/A	Yes
28	2	8	39,903,411	8	42,119,649	2,216,238	INV	3	N/A	Yes
28	2	8	90,065,770	8	94,299,420	4,233,650	INV	3	N/A	Yes
28	2	8	40,087,838	8	119,896,781	79,808,943	INV	4	N/A	Yes
28	2	8	42,219,254	8	42,537,282	318,028	DEL	4	N/A	Yes
28	2	8	107,232,675	8	115,664,954	8,432,279	INV	4	N/A	Yes
28	2	8	42,684,185	8	47,378,680	4,694,495	DEL	5	N/A	Yes
28	2	8	41,352,306	8	119,468,390	78,116,084	DEL	7	N/A	Yes
28	2	8	108,063,856	8	119,962,758	11,898,902	INV	7	N/A	Yes
28	2	11	61,841,815	14	81,784,103	N/A	CTX	5	N/A	Yes
28	2	12	28,142,935	12	28,233,850	90,915	INV	10	N/A	No
28	2	12	15,728,835	12	27,920,974	12,192,139	INV	11	N/A	No
28	2	12	28,149,131	12	28,208,938	59,807	INV	11	N/A	No
28	2	12	4,347,749	12	4,388,753	41,004	DEL	12	N/A	No
28	2	12	15,766,773	12	28,086,973	12,320,200	ITX	12	N/A	No
28	2	12	4,355,223	12	27,836,020	23,480,797	INV	13	N/A	No

28	2	12	4,209,379	12	28,343,467	24,134,088	ITX	15	N/A	No
28	2	12	27,824,315	12	27,981,093	156,778	DEL	16	N/A	No
28	2	12	4,434,628	12	43,476,441	39,041,813	DEL	23	N/A	No
28	2	12	15,797,051	12	27,666,108	11,869,057	DEL	26	N/A	No
28	2	22	22,700,813	22	22,752,223	51,410	ITX	2	N/A	Yes
29	2	1	850,051	1	3,634,221	2,784,170	INV	3	N/A	Yes
29	2	2	201,406,407	13	59,640,949	N/A	CTX	2	N/A	No
29	2	2	218,567,435	2	220,713,459	2,146,024	INV	3	N/A	Yes
29	2	3	36,323,064	3	46,366,130	10,043,066	DEL	2	N/A	Yes
29	2	3	46,372,436	3	49,153,472	2,781,036	INV	4	N/A	Yes
29	2	3	36,872,783	3	38,170,567	1,297,784	ITX	7	N/A	Yes
29	2	13	26,523,960	13	85,856,260	59,332,300	DEL	2	N/A	No
29	2	13	33,090,332	13	59,042,060	25,951,728	INV	2	N/A	No
29	2	13	33,740,272	13	54,529,373	20,789,101	INV	2	N/A	No
29	2	13	36,751,832	13	96,892,395	60,140,563	INV	2	N/A	No
29	2	13	47,855,840	13	112,148,331	64,292,491	INV	3	N/A	No
29	2	13	47,865,586	13	49,013,788	1,148,202	INV	3	N/A	No
29	2	13	63,859,980	13	67,311,568	3,451,588	INV	3	N/A	No
29	2	13	69,202,753	13	85,543,411	16,340,658	DEL	3	N/A	No
29	2	13	77,956,326	13	81,861,275	3,904,949	ITX	3	N/A	No
29	2	13	78,877,239	13	113,321,390	34,444,151	INV	3	N/A	No
29	2	13	43,242,545	13	63,849,050	20,606,505	DEL	4	N/A	No
29	2	13	70,834,368	13	75,263,383	4,429,015	INV	4	N/A	No
29	2	13	75,290,525	13	97,029,030	21,738,505	INV	4	N/A	No
29	2	13	85,198,141	13	106,946,020	21,747,879	ITX	7	N/A	No
29	2	13	85,831,787	13	96,899,055	11,067,268	DEL	7	N/A	No
29	2	13	85,534,542	13	87,721,266	2,186,724	INV	8	N/A	No

[#]The reported amplitude may be a result of more than one rearrangements spanning the same area.

^{*}ND Not done. Plasma DNA not analyzed due difficulties in designing sensitive assays, due to low complexity regions or repeat regions or no more DNA to analyze

^{\$} Preserved in early, but not late metastasis

^{**}N/A Not applicable. No tissue or plasma available