SUPPLEMENTAL DATA

Morphological Studies

At least, two bone marrow and one peripheral blood May–Grünwald–Giemsa-stained smears were used for conducting the morphologic analysis. In addition, a Prussian blue-stained bone marrow smear was used for assessing the percentage of ring sideroblasts, and a non-specific esterase, usually the α-naphthyl butyrate esterase, was used to better identify the monocyte lineage. The WHO 2017 proposals for evaluating the morphological diagnosis of myelodysplastic syndrome and chronic myelomonocytic leukemia were followed strictly. As recommended, peripheral blood and bone marrow differential counts were performed on at least 200 and 500 cells, respectively. Following the 2017 WHO recommendations, the threshold used for considering a myeloid cell line as dysplastic was the presence of ≥10% abnormal cells in the corresponding myeloid lineage. For the evaluation of dysplasia, at least 200 neutrophils, 200 erythroblasts, and 30 megakaryocytes were assessed in bone marrow. Multilineage dysplasia was defined by dysplasia involving two or more lineages. Morphological evaluation of monocytes and their precursors was made following the current consensus document[1]. As currently recommended by the Spanish Guidelines for the diagnosis and treatment of myelodysplastic syndromes and chronic myelomonocytic leukemia, bone marrow biopsy was conducted in those cases where fibrosis, hypoplastic bone marrow, or idiophatic cytopenias of undetermined significance were suspected. In addition, we performed a bone marrow biopsy with a detailed histologic examination in all those cases in which it was necessary to exclude certain differential diagnoses with clinical and biological characteristics close to CMML or OM-CMML (e.g.: essential thrombocytemia with monocytosis, prefibrotic primary myelofibrosis with monocytosis, primary myelofibrosis with monocytosis, systemic mastocytosis with an associated CMML).

1. Goasguen JE, Bennett JM, Bain BJ, et al. Morphological evaluation of monocytes and their precursors. *Haematologica.* 2009;94(7):994-997.

Next-Generation Sequencing

The DNA obtained from total PB or BM was quantified by Qubit fluorometer (Thermo Fisher Scientific, Carlsbad, USA). 40 ng of DNA were required for library preparation. Targeted amplicon libraries (QIAseq Custom DNA Panels, Qiagen, Hilden, Germany) were prepared using a custom panel covering the full exonic regions of 25 genes associated with myeloid malignancies (*ASXL1*, *CALR*, *CBL*, *CSF3R*, *DNMT3A*, *ETV6*, *EZH2*, *IDH1*, *IDH2*, *JAK2*, *KIT*, *KRAS*, *MPL*, *NRAS*, *PRPF8*, *RUNX1*, *SETBP1*, *SF3B1*, *SH2B3*, *SRSF2*, *STAG2*, *TET2*, *TP53*, *U2AF1*, *ZRSR2*). Library preparation incorporated molecular barcoding technology to tag individual DNA molecules, which enables variant detection with high confidence by avoiding false positives, PCR artifacts and library bias. Libraries were sequenced with 2x150-bp paired-end reads using either MiSeq or NextSeq (Illumina, San Diego, CA, USA) with a 2000x minimum coverage.

Sequencing files were processed using the GeneGlobe Data Analysis Center (Qiagen) for FASTQ trimming, alignment to the reference genome and generation of variant calling files (.vcf) (smCounter2, Qiagen). The obtained variants were then annotated and classified using Illumina VariantStudio 3.0 software according to genomic databases (GenomAD, Varsome, cBioPortal, dbSNP, COSMIC, My Cancer Genome, Cancer Genome Interpreter) and evidence of

pathogenicity in the literature. Variants were classified into five groups: benign, likely benign, unknown significance, likely pathogenic and pathogenic[1,2]. Only variants classified as pathogenic or likely pathogenic were included in this study. The limit of detection established for variant detection was 2% variant allele frequency (VAF). In cases with low VAF, variants were confirmed visually using the Integrative Genomics Viewer (IGV) v2.4 software.

1. Palomo L, Ibáñez M, Abáigar M, et al. Spanish Guidelines for the use of targeted deep sequencing in myelodysplastic syndromes and chronic myelomonocytic leukaemia. *Br. J. Haematol.* 2020;188(5):605–622.

2. Li MM, Datto M, Duncavage EJ, et al. Standards and Guidelines for the Interpretation and Reporting of Sequence Variants in Cancer: A Joint Consensus Recommendation of the Association for Molecular Pathology, American Society of Clinical Oncology, and College of American Pathologists. *J Mol Diagn*. 2017;19(1):4-23.

Flow cytometry analysis of monocyte subsets in peripheral blood

Multiparametric flow cytometry analysis of monocyte subsets was performed on whole peripheral blood collected on EDTA. Based on Euroflow Consortium recommendations we follow the stain-lyse-wash procedure with FACS Lysing Solution (BD Biosciences, CA, USA). Cell surface staining of 2 x 10^6 cells was performed and at least 500,000 total events were acquired per tube (FACS Canto II, BD Biosciences). A 4-color experimental panel with five tubes was run for all samples. Tube 1: CD14 (FITC; clone MΦP9), CD16 (PE; clone B73.1), CD45 (PerCP-Cy5.5; clone 2D1), CD33 (APC; clone P67.6); tube 2: CD64 (FITC; clone 10.1), CD56 (PE; clone NCAM16.2), HLA-DR (PerCP-Cy5.5; clone G46-6), CD33 (APC; clone P67.6); tube 3: CD2 (FITC; clone S5.2), CD7 (PE; clone M-T701), CD45 (PerCP-Cy5.5; clone 2D1), CD33 (APC; clone P67.6); tube 4: CD56 (FITC; clone NCAM16.2), CD123 (PE; clone 9F5), HLA-DR (PerCP-Cy5.5; clone G46-6), CD45 (APC; clone 2D1); tube 5: CD2 (FITC; clone S5.2), CD14 (PE; clone MΦP9), HLA-DR (PerCP-Cy5.5; clone G46-6), CD33 (APC; clone P67.6) (all antibodies from BD Biosciences, San Jose, CA). Analysis was performed with Infinicyt version 1.7 software (Cytognos SL).

Briefly, we excluded doublets (FSC-A/FSC-H dot plot), *debris* (FSC/SSC and CD45/SSC dot plots) and NK-cells (CD16+, CD33-, and FSC/SSC lymphocyte-gate). A proper strategy for excluding NK-cells is crucial, since some of these may be difficult to differentiate from the nonclassical monocyte subset (CD14- or dim/CD16+) (Supplemental Figure 1a). For this purpose, we selected the CD16-B73.1 antibody since this binds to CD16-positive neutrophils with lower intensity when compared with some other CD16-specific antibodies (e.g.: 3G8, VEP13, NKP15, GO22)[1]. By using this, the CD16 positive populations of monocytes and NK-cells are better distinguished from neutrophils. The monocyte gate was determined based on a CD45 vs SSC plot and CD33 vs SSC plot. Since nonclassical monocytes show dimmer CD33 and brighter CD45 expression than the rest of monocytes, it is important to draw a wide gate on CD33 vs SSC plot to avoid the loss of this population (Supplemental Figure 1b). Next, as in Selimoglu-Buet et al, CD14- or dim/CD16- cells were excluded (mainly myeloid dendritic cells are removed in this step) and finally, the resulting monocyte population was assessed for CD14 and CD16 expression. By this method, we were able to establish the percentage of classical monocytes (MO1: CD14+/CD16-), intermediate monocytes (MO2: CD14+/CD16+), and nonclassical monocytes (MO3: CD14- or dim/CD16+) from the total monocyte population (Supplemental Figure 1c). In addition, we assessed the expression of CD56 (Supplemental Figure 1c), CD7 and CD2 in monocytes (cutoff positivity ≥ 20%). The fifth tube of our protocol was especially designed to quantify myeloid dendritic cells (CD33+ bright, HLA-DR+ bright, CD14-, CD2+). To properly assess CD2 expression in monocytes, myeloid dendritic cells must be removed, since these are CD33+ bright, like monocytes, and express CD2 (Supplemental Figure 1d). The fourth tube was designed to quantify plasmocytoid dendritic cells and to evaluate CD56 expression on these (Supplemental Figure 1e).

1. Perussia B, Trinchieri G, Jackson A, et al. The Fc receptor for IgG on human natural killer cells: phenotypic, functional, and comparative studies with monoclonal antibodies. *J Immunol*. 1984 Jul;133(1):180-9.

Gating strategy used to identify monocyte subsets in peripheral blood and to assess CD56 and CD2 expression in monocytes (a-d). Gating strategy used to identify myeloid dendritic cells (mDCs) in peripheral blood (d). Gating strategy used to identify plasmocytoid dendritic cells (pDCs) in peripheral blood (e).

Figure 1a

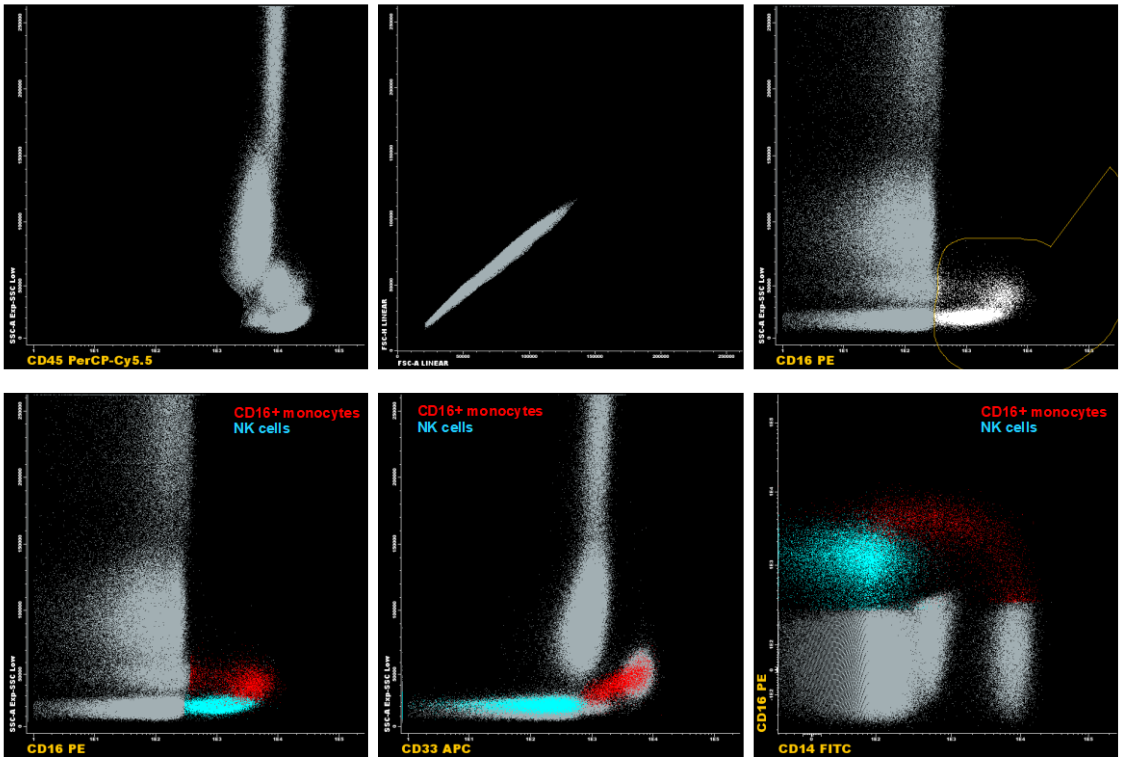


Figure 1b

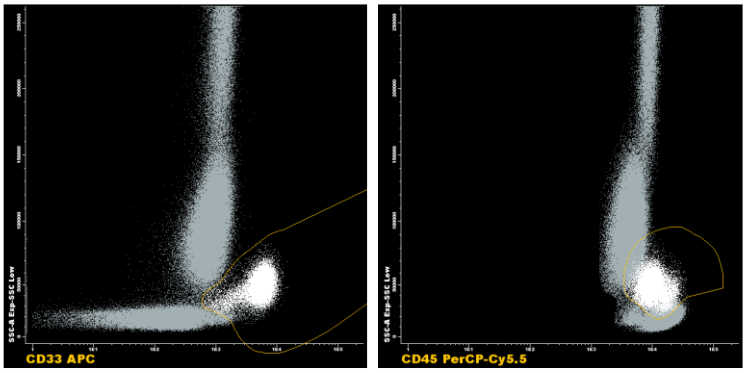


Figure 1c

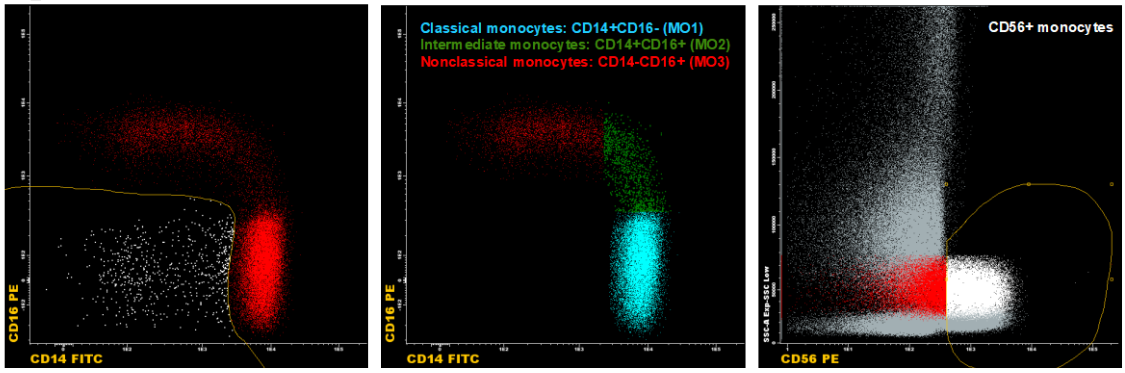


Figure 1d

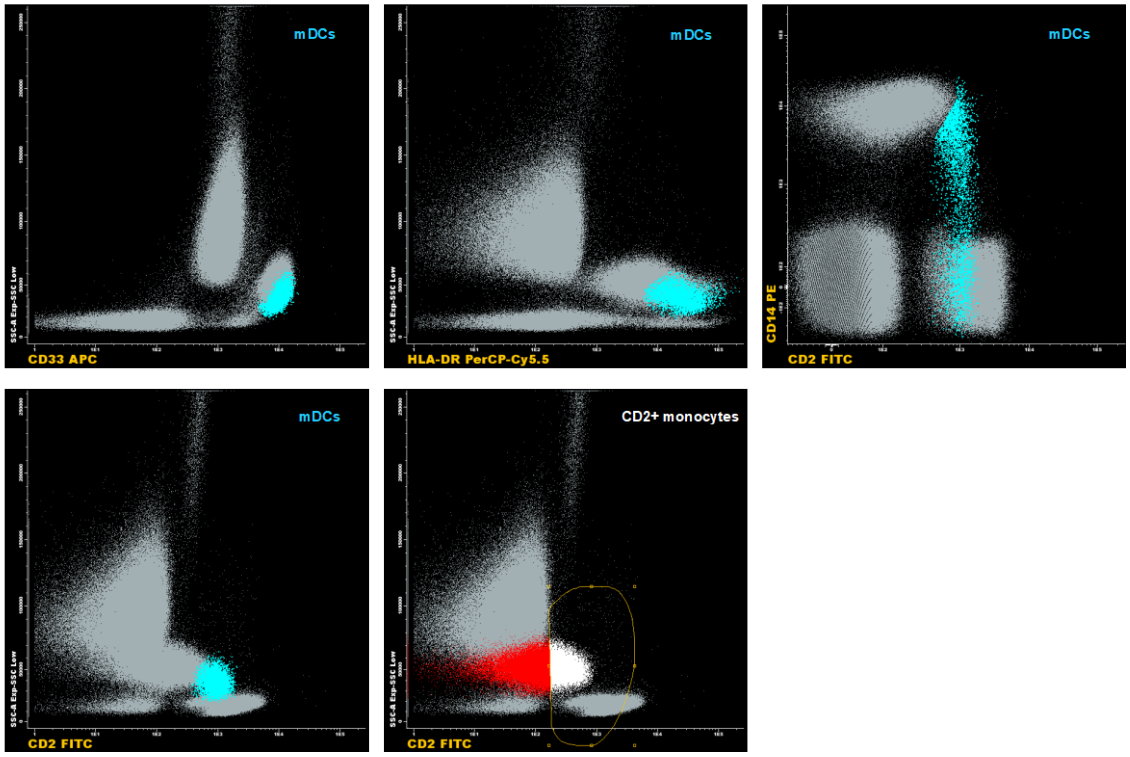
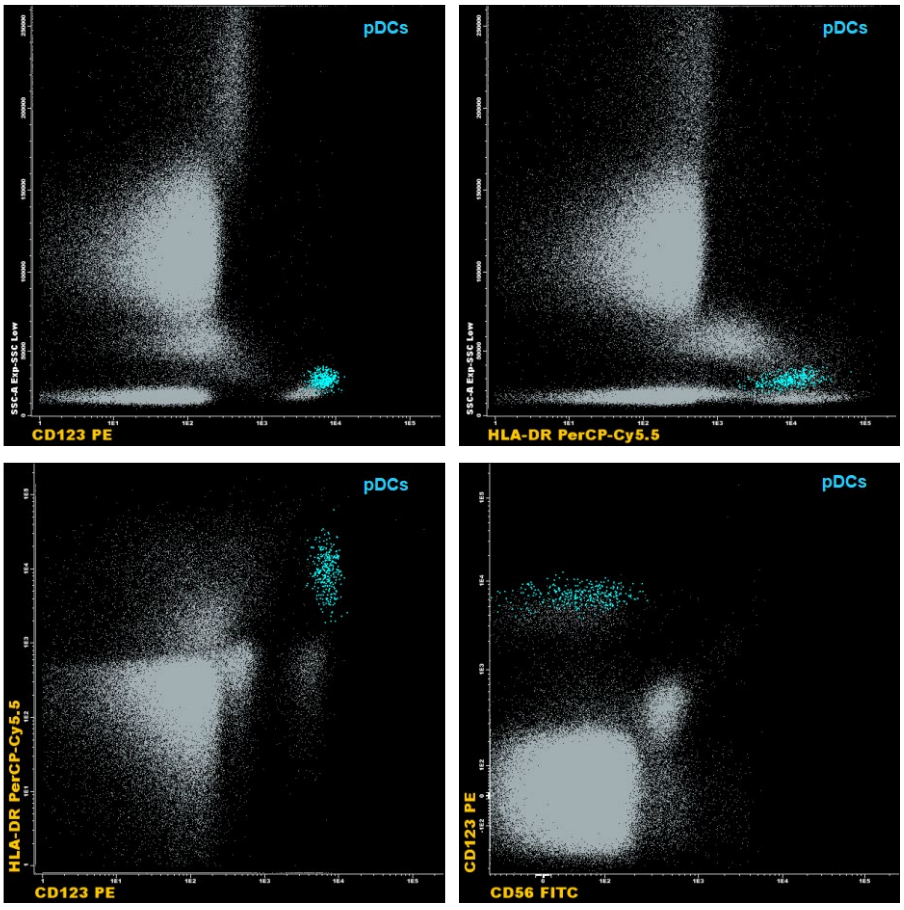
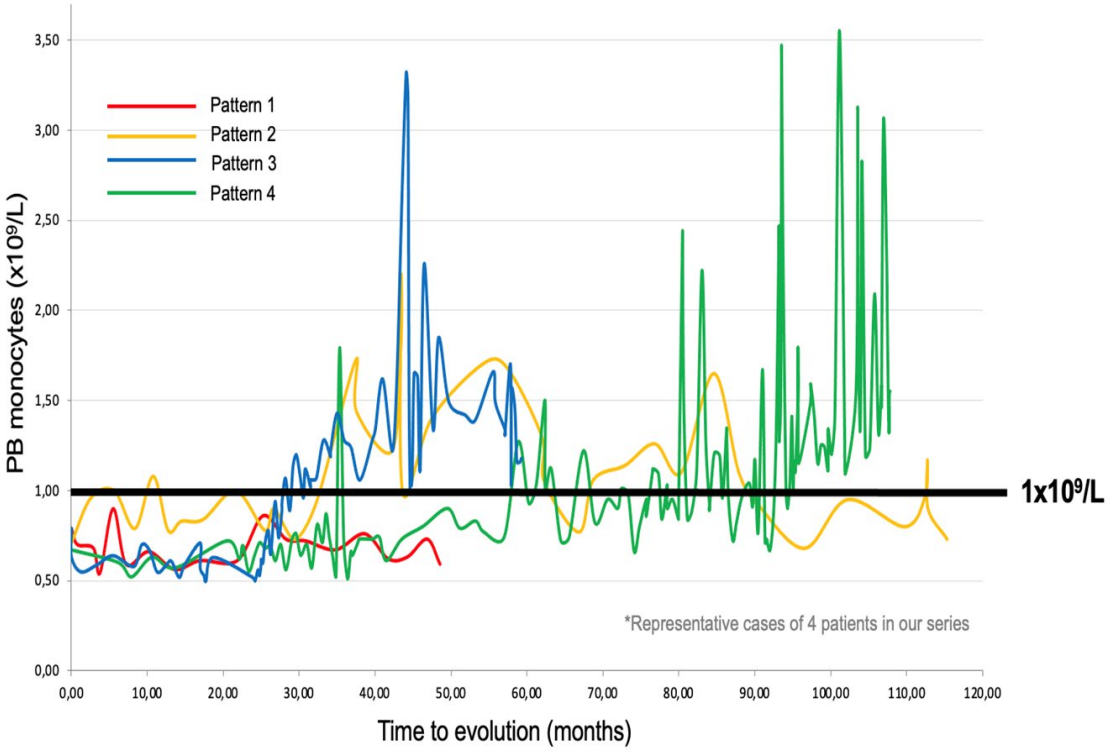


Figure 1e



Supplemental Figure 1. An example of the four patterns of evolution of OM-CMML into overt CMML.



Complete list of variants identified.

PACIENT ID	PHENOTYPE	GENE	MUTATION	PROTEIN CONSEQUENCE	VAF %	TYPE	CONSEQUENCE
1	OM-CMML	SF3B1	NM_012433.2:c.1986C>G	NP_036565.2:p.His662Gln	45,23	snv	missense_variant
1	OM-CMML	DNMT3A	NM_175629.2:c.1015-2A>G		42,23	snv	splice_acceptor_variant
2	OM-CMML	ZRSR2	NM_005089.3:c.320T>G	NP_005080.1:p.Leu107Ter	54,47	snv	stop_gained
2	OM-CMML	TET2	NM_001127208.2:c.4781delC	NP_001120680.1:p.Pro1594LeufsTer2	37,67	deletion	frameshift_variant
2	OM-CMML	TET2	NM_001127208.2:c.1835delC	NP_001120680.1:p.Pro612LeufsTer27	37,41	deletion	frameshift_variant
3	OM-CMML	ZRSR2	NM_005089.3:c.827+1G>A		89,28	snv	splice_donor_variant
3	OM-CMML	TET2	NM_001127208.2:c.4393C>T	NP_001120680.1:p.Arg1465Ter	45,45	snv	stop_gained
3	OM-CMML	ASXL1	NM_015338.5:c.2740G>T	NP_056153.2:p.Glu914Ter	44,65	snv	stop_gained
3	OM-CMML	TET2	NM_001127208.2:c.1433_1449delAAAGGCCTCAGAATAAT	NP_001120680.1:p.Glu478ValfsTer6	38,42	deletion	frameshift_variant
4	OM-CMML	TET2	NM_001127208.2:c.4126G>T	NP_001120680.1:p.Asp1376Tyr	41,43	snv	missense_variant
4	OM-CMML	TET2	NM_001127208.2:c.1648C>T	NP_001120680.1:p.Arg550Ter	40,81	snv	stop_gained
5	OM-CMML	STAG2	NM_001042749.1:c.2542C>T	NP_001036214.1:p.Gln848Ter	95,71	snv	stop_gained
5	OM-CMML	ZRSR2	NM_005089.3:c.789delA	NP_005080.1:p.Glu263AspfsTer4	91,72	deletion	frameshift_variant
5	OM-CMML	EZH2	NM_004456.4:c.479delA	NP_004447.2:p.Asp160ValfsTer7	87,92	deletion	frameshift_variant
5	OM-CMML	ASXL1	NM_015338.5:c.1934dupG	NP_056153.2:p.Gly646TrpfsTer12	26,53	insertion	frameshift_variant
5	OM-CMML	NRAS	NM_002524.4:c.35G>C	NP_002515.1:p.Gly12Ala	22,79	snv	missense_variant
5	OM-CMML	TET2	NM_001127208.2:c.1246_1247insGAACC	NP_001120680.1:p.Pro416ArgfsTer13	20,48	insertion	frameshift_variant
5	OM-CMML	NRAS	NM_002524.4:c.38G>A	NP_002515.1:p.Gly13Asp	9,93	snv	missense_variant
5	OM-CMML	RUNX1	NM_001754.4:c.292delC	NP_001745.2:p.Leu98SerfsTer24	6,86	deletion	frameshift_variant
5	OM-CMML	KRAS	NM_033360.2:c.182A>G	NP_203524.1:p.Gln61Arg	3,4	snv	missense_variant
6	OM-CMML	STAG2	NM_001042749.1:c.2265+1G>A		17,89	snv	splice_donor_variant
7	OM-CMML	SF3B1	NM_012433.2:c.2098A>G	NP_036565.2:p.Lys700Glu	49,02	snv	missense_variant
7	OM-CMML	EZH2	NM_004456.4:c.2233G>A	NP_004447.2:p.Glu745Lys	48,5	snv	missense_variant
7	OM-CMML	TET2	NM_001127208.2:c.2461C>T	NP_001120680.1:p.Gln821Ter	46,6	snv	stop_gained

7	OM-CMML	TET2	NM_001127208.2:c.4115C>T	NP_001120680.1:p.Thr1372Ile	46	snv	missense_variant
7	OM-CMML	TP53	NM_000546.5:c.1024C>T	NP_000537.3:p.Arg342Ter	27,86	snv	stop_gained
8	OM-CMML	TET2	NM_001127208.2:c.4100C>T	NP_001120680.1:p.Pro1367Leu	94,56	snv	missense_variant
8	OM-CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	47,39	snv	missense_variant
9	OM-CMML	TET2	NM_001127208.2:c.3575G>T	NP_001120680.1:p.Gly1192Val	95,43	snv	missense_variant
9	OM-CMML	RUNX1	NM_001754.4:c.127_128insGCGGC	NP_001745.2:p.Pro43ArgfsTer7	37,07	insertion	frameshift_variant
9	OM-CMML	CBL	NM_005188.3:c.1211G>A	NP_005179.2:p.Cys404Tyr	2,83	snv	missense_variant
11	OM-CMML	U2AF1	NM_006758.2:c.470A>C	NP_006749.1:p.Gln157Pro	47,67	snv	missense_variant
11	OM-CMML	ETV6	NM_001987.4:c.33+1G>C		43,93	snv	splice_donor_variant
11	OM-CMML	ASXL1	NM_015338.5:c.2122C>T	NP_056153.2:p.Gln708Ter	42,01	snv	stop_gained
11	OM-CMML	ASXL1	NM_015338.5:c.2535dupC	NP_056153.2:p.Ser846GlnfsTer5	41,42	insertion	frameshift_variant
12	OM-CMML	ZRSR2	NM_005089.3:c.812A>G	NP_005080.1:p.Tyr271Cys	67,65	snv	missense_variant
13	OM-CMML	TET2	NM_001127208.2:c.3412C>T	NP_001120680.1:p.Gln1138Ter	33,33	snv	stop_gained,splice_region_variant
13	OM-CMML	JAK2	NM_004972.3:c.1849G>T	NP_004963.1:p.Val617Phe	15,28	snv	missense_variant
13	OM-CMML	TET2	NM_001127208.2:c.4753_4754delAC	NP_001120680.1:p.Thr1585PhefsTer28	14,77	deletion	frameshift_variant
13	OM-CMML	IDH2	NM_002168.2:c.419G>A	NP_002159.2:p.Arg140Gln	12,21	snv	missense_variant
14	OM-CMML	TET2	NM_001127208.2:c.3893G>A	NP_001120680.1:p.Cys1298Tyr	16,57	snv	missense_variant
14	OM-CMML	SF3B1	NM_012433.2:c.1873C>T	NP_036565.2:p.Arg625Cys	16,36	snv	missense_variant
15	OM-CMML	TET2	NM_001127208.2:c.3410-2A>G		42,09	snv	splice_acceptor_variant
15	OM-CMML	TET2	NM_001127208.2:c.3812dupG	NP_001120680.1:p.Cys1271TrpfsTer29	40,81	insertion	frameshift_variant
16	OM-CMML	RUNX1	NM_001754.4:c.676_677delAG	NP_001745.2:p.Ser226Ter	29,73	deletion	frameshift_variant
16	OM-CMML	TET2	NM_001127208.2:c.2656_2660dupCAGGA	NP_001120680.1:p.Glu887AspfsTer36	18,97	insertion	frameshift_variant
17	OM-CMML	TET2	NM_001127208.2:c.4615dupC	NP_001120680.1:p.Gln1539ProfsTer39	36,12	insertion	frameshift_variant
17	OM-CMML	SRSF2	NM_003016.4:c.283C>A	NP_003007.2:p.Pro95Thr	2,14	snv	missense_variant
18	OM-CMML	SF3B1	NM_012433.2:c.2342A>G	NP_036565.2:p.Asp781Gly	41,26	snv	missense_variant
18	OM-CMML	TET2	NM_001127208.2:c.3866G>A	NP_001120680.1:p.Cys1289Tyr	40,9	snv	missense_variant
18	OM-CMML	DNMT3A	NM_175629.2:c.939_945dupGTGGATG	NP_783328.1:p.Thr316ValfsTer10	34,15	insertion	frameshift_variant

19	OM-CMML	SH2B3	NM_005475.2:c.685_691delGGCCCCG	NP_005466.1:p.Gly229MetfsTer47	30,72	deletion	frameshift_variant
19	OM-CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	24,38	snv	missense_variant
19	OM-CMML	TET2	NM_001127208.2:c.4042C>T	NP_001120680.1:p.Gln1348Ter	23,99	snv	stop_gained,splice_region_variant
19	OM-CMML	TET2	NM_001127208.2:c.848_861delAGCTGCCTCCAAAG	NP_001120680.1:p.Glu283AlafsTer7	19,68	deletion	frameshift_variant
19	OM-CMML	DNMT3A	NM_175629.2:c.709C>T	NP_783328.1:p.Gln237Ter	6,65	snv	stop_gained
20	OM-CMML	DNMT3A	NM_175629.2:c.1924G>T	NP_783328.1:p.Gly642Ter	48,2	snv	stop_gained
20	OM-CMML	SF3B1	NM_012433.2:c.1876A>G	NP_036565.2:p.Asn626Asp	47,83	snv	missense_variant
20	OM-CMML	SETBP1	NM_015559.2:c.2602G>A	NP_056374.2:p.Asp868Asn	4,69	snv	missense_variant
21	OM-CMML	IDH1	NM_005896.2:c.394C>T	NP_005887.2:p.Arg132Cys	27,5	snv	missense_variant
21	OM-CMML	ASXL1	NM_015338.5:c.1900_1922del23	NP_056153.2:p.Glu635ArgfsTer15	12,01	deletion	frameshift_variant
22	OM-CMML	ZRSR2	NM_005089.3:c.868C>T	NP_005080.1:p.Arg290Ter	52,92	snv	stop_gained
22	OM-CMML	TET2	NM_001127208.2:c.4150G>C	NP_001120680.1:p.Asp1384His	32,32	snv	missense_variant
22	OM-CMML	ZRSR2	NM_005089.3:c.376C>T	NP_005080.1:p.Arg126Ter	4,58	snv	stop_gained
23	OM-CMML	DNMT3A	NM_175629.2:c.2201T>C	NP_783328.1:p.Phe734Ser	38,7	snv	missense_variant
24	OM-CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	37,57	snv	missense_variant
24	OM-CMML	TET2	NM_001127208.2:c.1771C>T	NP_001120680.1:p.Gln591Ter	35,1	snv	stop_gained
24	OM-CMML	RUNX1	NM_001754.4:c.1097delT	NP_001745.2:p.Ile366ThrfsTer228	34,45	deletion	frameshift_variant
24	OM-CMML	ASXL1	NM_015338.5:c.1926dupA	NP_056153.2:p.Gly643ArgfsTer15	32,74	insertion	frameshift_variant
25	OM-CMML	SF3B1	NM_012433.2:c.1866G>T	NP_036565.2:p.Glu622Asp	27,27	snv	missense_variant
25	OM-CMML	TET2	NM_001127208.2:c.369dupT	NP_001120680.1:p.Asn124Ter	22,28	insertion	frameshift_variant
25	OM-CMML	IDH2	NM_002168.2:c.419G>A	NP_002159.2:p.Arg140Gln	10,19	snv	missense_variant
25	OM-CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	9,02	snv	missense_variant
26	OM-CMML	TET2	NM_001127208.2:c.2257A>T	NP_001120680.1:p.Lys753Ter	56,72	snv	stop_gained
26	OM-CMML	TET2	NM_001127208.2:c.3899T>G	NP_001120680.1:p.Phe1300Cys	21,18	snv	missense_variant
26	OM-CMML	SF3B1	NM_012433.2:c.2098A>G	NP_036565.2:p.Lys700Glu	5,43	snv	missense_variant
27	OM-CMML	DNMT3A	NM_175629.2:c.703delG	NP_783328.1:p.Glu235SerfsTer81	46,05	deletion	frameshift_variant
27	OM-CMML	TET2	NM_001127208.2:c.4668_4671delTGTC	NP_001120680.1:p.Val1557ThrfsTer13	44,56	deletion	frameshift_variant

27	OM-CMML	SF3B1	NM_012433.2:c.2098A>G	NP_036565.2:p.Lys700Glu	44,06	snv	missense_variant
27	OM-CMML	SETBP1	NM_015559.2:c.2608G>A	NP_056374.2:p.Gly870Ser	15,96	snv	missense_variant
28	OM-CMML	TET2	NM_001127208.2:c.3985delC	NP_001120680.1:p.Leu1329CysfsTer34	49,15	deletion	frameshift_variant
29	OM-CMML	SH2B3	NM_005475.2:c.622G>C	NP_005466.1:p.Glu208Gln	48,49	snv	missense_variant
29	OM-CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	44,38	snv	missense_variant
29	OM-CMML	IDH2	NM_002168.2:c.419G>A	NP_002159.2:p.Arg140Gln	39,69	snv	missense_variant
29	OM-CMML	SH2B3	NM_005475.2:c.1283_1284delAC	NP_005466.1:p.His428ProfsTer27	22,63	deletion	frameshift_variant
29	OM-CMML	ASXL1	NM_015338.5:c.1552G>T	NP_056153.2:p.Glu518Ter	22,05	snv	stop_gained
29	OM-CMML	JAK2	NM_004972.3:c.1849G>T	NP_004963.1:p.Val617Phe	3,6	snv	missense_variant
30	OM-CMML	TET2	NM_001127208.2:c.822delC	NP_001120680.1:p.Asn275IlefsTer18	52,27	deletion	frameshift_variant
30	OM-CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	42,29	snv	missense_variant
30	OM-CMML	TET2	NM_001127208.2:c.3384T>A	NP_001120680.1:p.Tyr1128Ter	8,64	snv	stop_gained
30	OM-CMML	TET2	NM_001127208.2:c.2400_2401delTA	NP_001120680.1:p.His800GlnfsTer15	2,86	deletion	frameshift_variant
31	OM-CMML	SF3B1	NM_012433.2:c.1986C>G	NP_036565.2:p.His662Gln	36,74	snv	missense_variant
32	OM-CMML	SF3B1	NM_012433.2:c.2098A>G	NP_036565.2:p.Lys700Glu	42,29	snv	missense_variant
32	OM-CMML	TET2	NM_001127208.2:c.1873delA	NP_001120680.1:p.Thr625HisfsTer14	41,95	deletion	frameshift_variant
32	OM-CMML	TET2	NM_001127208.2:c.5562dupT	NP_001120680.1:p.Leu1855SerfsTer4	12,08	insertion	frameshift_variant
33	OM-CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	40,3	snv	missense_variant
33	OM-CMML	TET2	NM_001127208.2:c.4537G>C	NP_001120680.1:p.Glu1513Gln	39,29	snv	missense_variant,splice_region_variant
33	OM-CMML	TET2	NM_001127208.2:c.2279_2280delTT	NP_001120680.1:p.Phe760SerfsTer8	37,62	deletion	frameshift_variant
34	OM-CMML	TET2	NM_001127208.2:c.2373T>A	NP_001120680.1:p.Tyr791Ter	41,84	snv	stop_gained
34	OM-CMML	TET2	NM_001127208.2:c.3732_3733delCT	NP_001120680.1:p.Tyr1245LeufsTer22	41,07	deletion	frameshift_variant
34	OM-CMML	ZRSR2	NM_005089.3:c.771+1G>C		30,92	snv	splice_donor_variant
35	OM-CMML	SRSF2	NM_003016.4:c.130T>C	NP_003007.2:p.Tyr44His	31,07	snv	missense_variant
35	OM-CMML	TET2	NM_001127208.2:c.4020dupT	NP_001120680.1:p.Ala1341CysfsTer3	31,01	insertion	frameshift_variant
35	OM-CMML	TET2	NM_001127208.2:c.3308_3309delAT	NP_001120680.1:p.Asn1103IlefsTer26	29,2	deletion	frameshift_variant
35	OM-CMML	ZRSR2	NM_005089.3:c.709delC	NP_005080.1:p.Leu237Ter	9,89	deletion	frameshift_variant

36	OM-CMML	TET2	NM_001127208.2:c.2671C>T	NP_001120680.1:p.Gln891Ter	45,34	snv	stop_gained
36	OM-CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	44	snv	missense_variant
36	OM-CMML	IDH1	NM_005896.2:c.394C>T	NP_005887.2:p.Arg132Cys	20,59	snv	missense_variant
36	OM-CMML	TET2	NM_001127208.2:c.1930C>T	NP_001120680.1:p.Gln644Ter	18,48	snv	stop_gained
36	OM-CMML	TET2	NM_001127208.2:c.5502_5518delGGGTGTGGCTTCTGGTG	NP_001120680.1:p.Gln1834HisfsTer6	4,38	deletion	frameshift_variant
36	OM-CMML	RUNX1	NM_001754.4:c.1174C>T	NP_001745.2:p.Gln392Ter	2,15	snv	stop_gained
37	OM-CMML	TET2	NM_001127208.2:c.4112T>A	NP_001120680.1:p.Val1371Asp	47,53	snv	missense_variant
37	OM-CMML	TET2	NM_001127208.2:c.3594+2T>C		46,38	snv	splice_donor_variant
37	OM-CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	42,89	snv	missense_variant
38	OM-CMML	ZRSR2	NM_005089.3:c.1252delC	NP_005080.1:p.His418ThrfsTer?	88,89	deletion	frameshift_variant
39	OM-CMML	TET2	NM_001127208.2:c.5273C>G	NP_001120680.1:p.Ser1758Ter	56,95	snv	stop_gained
39	OM-CMML	SRSF2	NM_003016.4:c.284C>G	NP_003007.2:p.Pro95Arg	46,11	snv	missense_variant
40	OM-CMML	TET2	NM_001127208.2:c.5647A>C	NP_001120680.1:p.Thr1883Pro	39,77	snv	missense_variant
40	OM-CMML	SF3B1	NM_012433.2:c.1873C>T	NP_036565.2:p.Arg625Cys	37,85	snv	missense_variant
41	OM-CMML	***TET2***	NM_001127208.2:c.5363delA	NP_001120680.1:p.Asp1788AlafsTer32	6,83	deletion	frameshift_variant
41	OM-CMML	***TET2***	NM_001127208.2:c.4975delT	NP_001120680.1:p.Tyr1659IlefsTer36	7,3	deletion	frameshift_variant
41	OM-CMML	***TET2***	NM_001127208.2:c.4393C>T	NP_001120680.1:p.Arg1465Ter	29,88	snv	stop_gained
41	OM-CMML	***TET2***	NM_001127208.2:c.3595-1G>T		25,18	snv	splice_acceptor_variant
42	CMML	TET2	NM_001127208.2:c.3570delT	NP_001120680.1:p.Gln1191ArgfsTer35	43,6	deletion	frameshift_variant
42	CMML	SF3B1	NM_012433.2:c.2098A>G	NP_056374.2:p.Lys700Glu	42,9	snv	missense_variant
42	CMML	CBL	NM_005188.3:c.1211G>A	NP_005179.2:p.Cys404Tyr	40,5	snv	missense_variant
42	CMML	TET2	NM_001127208.2:c.4570C>T	NP_001120680.1:p.Gln1524Ter	40	snv	stop_gained
42	CMML	ASXL1	NM_015338.5:c.1900_1922del23	NP_056153.2:p.Glu635ArgfsTer15	27,45	deletion	frameshift_variant
43	CMML	CBL	NM_005188.3:c.1255T>A	NP_005179.2:p.Cys419Ser	46,34	snv	missense_variant
43	CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	45,67	snv	missense_variant
43	CMML	TET2	NM_001127208.2:c.3743T>G	NP_001120680.1:p.Leu1248Arg	42,64	snv	missense_variant
43	CMML	ASXL1	NM_015338.5:c.2498_2499delGT	NP_056153.2:p.Ser833ThrfsTer17	40,83	deletion	frameshift_variant

43	CMML	CBL	NM_005188.3:c.1618C>T	NP_005179.2:p.Arg540Ter	34,86	snv	stop_gained
44	CMML	DNMT3A	NM_175629.2:c.2663T>A	NP_783328.1:p.Leu888Gln	4,65	snv	missense_variant
45	CMML	SF3B1	NM_012433.2:c.1873C>T	NP_036565.2:p.Arg625Cys	40,84	snv	missense_variant
45	CMML	CBL	NM_005188.3:c.826G>T	NP_005179.2:p.Glu276Ter	2,87	snv	stop_gained
46	CMML	TET2	NM_001127208.2:c.3954+1G>A		29,82	snv	splice_donor_variant
46	CMML	JAK2	NM_004972.3:c.1849G>T	NP_004963.1:p.Val617Phe	7,88	snv	missense_variant
46	CMML	TET2	NM_001127208.2:c.4977_4978dupTA	NP_001120680.1:p.Arg1660IlefsTer36	4,18	insertion	frameshift_variant
47	CMML	U2AF1	NM_006758.2:c.470A>G	NP_006749.1:p.Gln157Arg	43,79	snv	missense_variant
47	CMML	RUNX1	NM_001754.4:c.602G>A	NP_001745.2:p.Arg201Gln	37,71	snv	missense_variant
47	CMML	ASXL1	NM_015338.5:c.1934dupG	NP_056153.2:p.Gly646TrpfsTer12	28,35	insertion	frameshift_variant
48	CMML	CBL	NM_005188.3:c.1290_1292delGGT	NP_005179.2:p.Val431del	87,16	deletion	inframe_deletion
48	CMML	ASXL1	NM_015338.5:c.3359A>T	NP_056153.2:p.Lys1120Met	48,48	snv	missense_variant
48	CMML	TET2	NM_001127208.2:c.3385delG	NP_001120680.1:p.Asp1129IlefsTer8	45,57	deletion	frameshift_variant
48	CMML	TET2	NM_001127208.2:c.3781C>T	NP_001120680.1:p.Arg1261Cys	44,63	snv	missense_variant
48	CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	40,86	snv	missense_variant
48	CMML	TET2	NM_001127208.2:c.5079C>G	NP_001120680.1:p.Tyr1693Ter	1,99	snv	stop_gained
49	CMML	SRSF2	NM_003016.4:c.284C>G	NP_003007.2:p.Pro95Arg	52,54	snv	missense_variant
49	CMML	ASXL1	NM_015338.5:c.1934dupG	NP_056153.2:p.Gly646TrpfsTer12	33,33	insertion	frameshift_variant
50	CMML	SF3B1	NM_012433.2:c.1986C>G	NP_036565.2:p.His662Gln	47,18	snv	missense_variant
51	CMML	ZRSR2	NM_005089.3:c.91C>T	NP_005080.1:p.Arg31Trp	73,94	snv	missense_variant
51	CMML	TET2	NM_001127208.2:c.331A>T	NP_001120680.1:p.Lys111Ter	29,51	snv	stop_gained
51	CMML	SETBP1	NM_015559.2:c.2959C>T	NP_056374.2:p.Arg987Trp	2,95	snv	missense_variant
52	CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	24,32	snv	missense_variant
52	CMML	TET2	NM_001127208.2:c.2494delG	NP_001120680.1:p.Val832PhefsTer9	20,28	deletion	frameshift_variant
52	CMML	TET2	NM_001127208.2:c.333A>T	NP_001120680.1:p.Lys111Asn	17,32	snv	missense_variant
52	CMML	TET2	NM_001127208.2:c.333delA	NP_001120680.1:p.Lys111AsnfsTer2	17	deletion	frameshift_variant
52	CMML	TET2	NM_001127208.2:c.3690_3703delCCTGGTGTGGGAAG	NP_001120680.1:p.Ile1230MetfsTer8	13,04	deletion	frameshift_variant

53	CMML	TET2	NM_001127208.2:c.1585dupT	NP_001120680.1:p.Cys529LeufsTer38	24,09	insertion	frameshift_variant
53	CMML	TET2	NM_001127208.2:c.1236delT	NP_001120680.1:p.Pro413HisfsTer14	19,73	deletion	frameshift_variant
54	CMML	IDH2	NM_002168.2:c.419G>A	NP_002159.2:p.Arg140Gln	48,46	snv	missense_variant
54	CMML	U2AF1	NM_006758.2:c.470A>G	NP_006749.1:p.Gln157Arg	47,41	snv	missense_variant
54	CMML	ASXL1	NM_015338.5:c.1934dupG	NP_056153.2:p.Gly646TrpfsTer12	32,98	insertion	frameshift_variant
54	CMML	NRAS	NM_002524.4:c.38G>A	NP_002515.1:p.Gly13Asp	2,63	snv	missense_variant
55	CMML	TET2	NM_001127208.2:c.4618C>T	NP_001120680.1:p.Gln1540Ter	45,1	snv	stop_gained
55	CMML	CBL	NM_005188.3:c.1211G>A	NP_005179.2:p.Cys404Tyr	36,6	snv	missense_variant
55	CMML	ASXL1	NM_015338.5:c.2338C>T	NP_056153.2:p.Gln780Ter	15,5	snv	stop_gained
55	CMML	EZH2	NM_004456.4:c.2216T>C	NP_004447.2:p.Leu739Pro	11,9	snv	missense_variant
55	CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	9,61	snv	missense_variant
55	CMML	CBL	NM_005188.3:c.1246T>C	NP_005179.2:p.Cys416Arg	8,8	snv	missense_variant
56	CMML	TET2	NM_001127208.2:c.2713_2716del	NP_001120680.1:p.Asp905CysfsTer15	44,4	snv	missense_variant
57	CMML	SRSF2	NM_003016.4:c.284C>G	NP_003007.2:p.Pro95Arg	26,11	snv	missense_variant
57	CMML	TET2	NM_001127208.2:c.5582G>T	NP_001120680.1:p.Gly1861Val	25,97	snv	missense_variant
57	CMML	TET2	NM_001127208.2:c.3812dupG	NP_001120680.1:p.Cys1271TrpfsTer29	15,64	insertion	frameshift_variant
58	CMML	TET2	NM_001127208.2:c.4909delC	NP_001120680.1:p.Leu1637TyrfsTer58	31,2	deletion	frameshift_variant
58	CMML	SF3B1	NM_012433.2:c.2098A>G	NP_056374.2:p.Lys700Glu	30,2	snv	missense_variant
58	CMML	TET2	NM_001127208.2:c.2887C>T	NP_001120680.1:p.Gln963Ter	12,9	snv	stop_gained
59	CMML	TET2	NM_001127208.2:c.3640C>T	NP_001120680.1:p.Arg1214Trp	48,23	snv	missense_variant
59	CMML	TET2	NM_001127208.2:c.4164_4165delGCinsAT	NP_001120680.1:p.MetGln1388IleTer	40,02	mnp	stop_gained
59	CMML	TET2	NM_001127208.2:c.1876C>T	NP_001120680.1:p.Gln626Ter	7,38	snv	stop_gained
60	CMML	SF3B1	NM_012433.2:c.1986C>G	NP_036565.2:p.His662Gln	7,31	snv	missense_variant
60	CMML	IDH2	NM_002168.2:c.352C>T	NP_002159.2:p.Pro118Ser	1,89	snv	missense_variant
61	CMML	TET2	NM_001127208.2:c.3230dupA	NP_001120680.1:p.His1077GlnfsTer27	42,45	insertion	frameshift_variant
61	CMML	SH2B3	NM_005475.2:c.393delG	NP_005466.1:p.Cys133AlafsTer64	35,23	deletion	frameshift_variant
62	CMML	IDH2	NM_002168.2:c.419G>A	NP_002159.2:p.Arg140Gln	46,52	snv	missense_variant

62	CMML	JAK2	NM_004972.3:c.1849G>T	NP_004963.1:p.Val617Phe	35,11	snv	missense_variant
63	CMML	TET2	NM_001127208.2:c.5093delA	NP_001120680.1:p.Asn1698ThrfsTer21	55,42	deletion	frameshift_variant
63	CMML	ASXL1	NM_015338.5:c.4180G>T	NP_056153.2:p.Glu1394Ter	41,51	snv	stop_gained
63	CMML	TET2	NM_001127208.2:c.3640C>T	NP_001120680.1:p.Arg1214Trp	25,62	snv	missense_variant
63	CMML	SH2B3	NM_005475.2:c.1174C>T	NP_005466.1:p.Arg392Trp	14,81	snv	missense_variant
63	CMML	TET2	NM_001127208.2:c.3780delT	NP_001120680.1:p.Arg1261AlafsTer5	12,14	deletion	frameshift_variant
64	CMML	TET2	NM_001127208.2:c.5456T>G	NP_001120680.1:p.Leu1819Ter	31,93	snv	stop_gained
64	CMML	TET2	NM_001127208.2:c.943delT	NP_001120680.1:p.Ser315ProfsTer32	30,95	deletion	frameshift_variant
64	CMML	CBL	NM_005188.3:c.2599C>T	NP_005179.2:p.Gln867Ter	16,28	snv	stop_gained
64	CMML	TET2	NM_001127208.2:c.5618T>C	NP_001120680.1:p.Ile1873Thr	9,95	snv	missense_variant
64	CMML	NRAS	NM_002524.4:c.35G>A	NP_002515.1:p.Gly12Asp	8,1	snv	missense_variant
65	CMML	ASXL1	NM_015338.5:c.1934dupG	NP_056153.2:p.Gly646TrpfsTer12	36,29	insertion	frameshift_variant
66	CMML	TET2	NM_001127208.2:c.2507_2510del	NP_001120680.1:p.Asn836IlefsTer4	78,9	deletion	frameshift_variant
66	CMML	CBL	NM_005188.3:c.1101_1103del	p.Gln367_Tyr368delinsHis	42,6	deletion	frameshift_variant
66	CMML	RUNX1	NM_001754.4:c.167T>C	NP_001745.2:p.Leu56Ser	34,1	snv	missense_variant
66	CMML	TET2	NM_001127208.2:c.4138C>T	NP_001120680.1:p.His1380Tyr	13,5	snv	missense_variant
66	CMML	TET2	NM_001127208.2:c.3928A>C	NP_001120680.1:p.Lys1310Gln	5	snv	missense_variant
67	CMML	TET2	NM_001127208.2:c.4035T>G	NP_001120680.1:p.Tyr1345Ter	29,64	snv	stop_gained
67	CMML	TET2	NM_001127208.2:c.822delC	NP_001120680.1:p.Asn275IlefsTer18	25,69	deletion	frameshift_variant
67	CMML	NRAS	NM_002524.4:c.173C>T	NP_002515.1:p.Thr58Ile	4,85	snv	missense_variant
68	CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	41,48	snv	missense_variant
68	CMML	KRAS	NM_033360.2:c.437C>T	NP_203524.1:p.Ala146Val	41,36	snv	missense_variant
68	CMML	TET2	NM_001127208.2:c.3869C>G	NP_001120680.1:p.Ser1290Ter	40,35	snv	stop_gained
68	CMML	JAK2	NM_004972.3:c.1849G>T	NP_004963.1:p.Val617Phe	14,41	snv	missense_variant
69	CMML	ZRSR2	NM_005089.3:c.575delA	NP_005080.1:p.Asn192IlefsTer46	54,55	deletion	frameshift_variant
69	CMML	TET2	NM_001127208.2:c.3892T>G	NP_001120680.1:p.Cys1298Gly	38,3	snv	missense_variant
69	CMML	TET2	NM_001127208.2:c.4210C>T	NP_001120680.1:p.Arg1404Ter	38,27	snv	stop_gained

70	CMML	ASXL1	NM_015338.5:c.1774C>T	NP_056153.2:p.Gln592Ter	39,1	snv	stop_gained
70	CMML	CBL	NM_005188.3:c.1111T>A	NP_005179.2:p.Tyr371Asn	38,62	snv	missense_variant
70	CMML	TET2	NM_001127208.2:c.5059C>T	NP_001120680.1:p.Gln1687Ter	34,86	snv	stop_gained
70	CMML	TET2	NM_001127208.2:c.3273dupA	NP_001120680.1:p.Pro1092ThrfsTer12	33,61	insertion	frameshift_variant
71	CMML	TET2	NM_001127208.2:c.2191C>T	NP_001120680.1:p.Gln731Ter	82,86	snv	stop_gained
71	CMML	TET2	NM_001127208.2:c.2190_2191insGACA	NP_001120680.1:p.Gln731AspfsTer24	77,06	insertion	frameshift_variant
71	CMML	ASXL1	NM_015338.5:c.2249_2250delCC	NP_056153.2:p.Pro750ArgfsTer23	43,52	deletion	frameshift_variant
72	CMML	TET2	NM_001127208.2:c.5140_5141delAA	NP_001120680.1:p.Asn1714CysfsTer14	42,62	deletion	frameshift_variant
73	CMML	SF3B1	NM_012433.2:c.1996A>G	NP_036565.2:p.Lys666Glu	45,46	snv	missense_variant
73	CMML	TET2	NM_001127208.2:c.2674C>T	NP_001120680.1:p.Gln892Ter	32,59	snv	stop_gained
73	CMML	TP53	NM_000546.5:c.817C>T	NP_000537.3:p.Arg273Cys	17,43	snv	missense_variant
74	CMML	SRSF2	NM_003016.4:c.284C>T	NP_003007.2:p.Pro95Leu	34,99	snv	missense_variant
74	CMML	TET2	NM_001127208.2:c.4561delG	NP_001120680.1:p.Val1521SerfsTer50	34,2	deletion	frameshift_variant
74	CMML	TET2	NM_001127208.2:c.4272delT	NP_001120680.1:p.Asp1425ThrfsTer23	22,67	deletion	frameshift_variant
74	CMML	KRAS	NM_033360.2:c.35G>A	NP_203524.1:p.Gly12Asp	14,67	snv	missense_variant
74	CMML	DNMT3A	NM_175629.2:c.839_840dupAC	NP_783328.1:p.Glu281ThrfsTer36	2,71	insertion	frameshift_variant
75	CMML	ASXL1	NM_015338.5:c.1773C>G	NP_056153.2:p.Tyr591Ter	47,36	snv	stop_gained
75	CMML	TET2	NM_001127208.2:c.5500C>T	NP_001120680.1:p.Gln1834Ter	46,06	snv	stop_gained
75	CMML	ASXL1	NM_015338.5:c.1819G>T	NP_056153.2:p.Gly607Cys	29,72	snv	missense_variant
75	CMML	TET2	NM_001127208.2:c.4210C>T	NP_001120680.1:p.Arg1404Ter	24,53	snv	stop_gained
75	CMML	KRAS	NM_033360.2:c.40G>A	NP_203524.1:p.Val14Ile	19,25	snv	missense_variant
75	CMML	TET2	NM_001127208.2:c.3921delG	NP_001120680.1:p.Lys1308SerfsTer55	15,62	deletion	frameshift_variant
75	CMML	TP53	NM_000546.5:c.818G>A	NP_000537.3:p.Arg273His	10,99	snv	missense_variant
75	CMML	JAK2	NM_004972.3:c.1849G>T	NP_004963.1:p.Val617Phe	3,63	snv	missense_variant
75	CMML	TET2	NM_001127208.2:c.3845G>A	NP_001120680.1:p.Gly1282Asp	2,88	snv	missense_variant
76	CMML	ZRSR2	NM_005089.3:c.847G>C	NP_005080.1:p.Ala283Pro	21,75	snv	missense_variant
76	CMML	TET2	NM_001127208.2:c.5500C>T	NP_001120680.1:p.Gln1834Ter	14,36	snv	stop_gained

76	CMML	TET2	NM_001127208.2:c.1061C>A	NP_001120680.1:p.Ser354Ter	14,06	snv	stop_gained
76	CMML	DNMT3A	NM_175629.2:c.2729C>T	NP_783328.1:p.Ala910Val	3,03	snv	missense_variant
76	CMML	DNMT3A	NM_175629.2:c.2711C>T	NP_783328.1:p.Pro904Leu	1,6	snv	missense_variant
77	CMML	TET2	NM_001127208.2:c.4165C>T	NP_001120680.1:p.Gln1389Ter	49,5	snv	missense_variant
77	CMML	SF3B1	NM_012433.2:c.2098A>G	NP_056374.2:p.Lys700Glu	47,2	snv	missense_variant
77	CMML	TET2	NM_001127208.2:c.5381delC	NP_001120680.1:p.Ala1794ValfsTer26	45,9	deletion	frameshift_variant
77	CMML	SETBP1	NM_015559.2:c.2900T>C	NP_056374.2:p.Phe967Ser	44,2	snv	missense_variant
77	CMML	MPL	NM_005373.2:c.1544G>T	NP_005364.1:p.Trp515Leu	8,2	snv	missense_variant
77	CMML	MPL	NM_005373.2:c.1514G>A	NP_005364.1:p.Ser505Asn	6,1	snv	missense_variant
78	CMML	ASXL1	NM_015338.5:c.2077C>T	NP_056153.2:p.Arg693Ter	41,4	snv	stop_gained
78	CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	40,25	snv	missense_variant
78	CMML	TET2	NM_001127208.2:c.5104C>T	NP_001120680.1:p.Gln1702Ter	40	snv	stop_gained
78	CMML	TET2	NM_001127208.2:c.3574G>T	NP_001120680.1:p.Gly1192Ter	39,9	snv	stop_gained
79	CMML	KRAS	NM_033360.2:c.34G>C	NP_203524.1:p.Gly12Arg	38,82	snv	missense_variant
80	CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	42,57	snv	missense_variant
80	CMML	TET2	NM_001127208.2:c.4075C>T	NP_001120680.1:p.Arg1359Cys	39,28	snv	missense_variant
80	CMML	CBL	NM_005188.3:c.1210T>C	NP_005179.2:p.Cys404Arg	4,23	snv	missense_variant
81	CMML	TET2	NM_001127208.2:c.822delC	NP_001120680.1:p.Asn275IlefsTer18	21,87	deletion	frameshift_variant
81	CMML	TET2	NM_001127208.2:c.4063_4064delGCinsTA	NP_001120680.1:p.Ala1355Ter	21,39	mnp	stop_gained
82	CMML	NRAS	NM_002524.4:c.35G>A	NP_002515.1:p.Gly12Asp	15,07	snv	missense_variant
82	CMML	NRAS	NM_002524.4:c.35G>T	NP_002515.1:p.Gly12Val	15,07	snv	missense_variant
82	CMML	KRAS	NM_033360.2:c.34G>C	NP_203524.1:p.Gly12Arg	12,93	snv	missense_variant
82	CMML	NRAS	NM_002524.4:c.190T>G	NP_002515.1:p.Tyr64Asp	4,9	snv	missense_variant
82	CMML	TET2	NM_001127208.2:c.5268_5274delTCATTCA	NP_001120680.1:p.His1757LeufsTer4	3,93	deletion	frameshift_variant
82	CMML	JAK2	NM_004972.3:c.1849G>T	NP_004963.1:p.Val617Phe	2,7	snv	missense_variant
82	CMML	CBL	NM_005188.3:c.1211G>A	NP_005179.2:p.Cys404Tyr	2,47	snv	missense_variant
82	CMML	KRAS	NM_033360.2:c.179G>A	NP_203524.1:p.Gly60Asp	2,32	snv	missense_variant

83	CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	48,15	snv	missense_variant
83	CMML	ETV6	NM_001987.4:c.305_306insG	NP_001978.1:p.Phe102LeufsTer10	46,62	insertion	frameshift_variant
83	CMML	TET2	NM_001127208.2:c.1516delA	NP_001120680.1:p.Arg506AspfsTer27	42,99	deletion	frameshift_variant
83	CMML	TET2	NM_001127208.2:c.3869C>T	NP_001120680.1:p.Ser1290Leu	37,17	snv	missense_variant
83	CMML	TET2	NM_001127208.2:c.2474delC	NP_001120680.1:p.Ser825Ter	2,54	deletion	frameshift_variant
83	CMML	TET2	NM_001127208.2:c.3813C>G	NP_001120680.1:p.Cys1271Trp	2,16	snv	missense_variant
83	CMML	TET2	NM_001127208.2:c.3640C>T	NP_001120680.1:p.Arg1214Trp	1,66	snv	missense_variant
84	CMML	TET2	NM_001127208.2:c.2784delT	NP_001120680.1:p.Pro929LeufsTer24	30,43	deletion	frameshift_variant
84	CMML	TET2	NM_001127208.2:c.3356dupT	NP_001120680.1:p.Leu1119PhefsTer11	10,53	insertion	frameshift_variant
85	CMML	U2AF1	NM_006758.2:c.467G>A	NP_006749.1:p.Arg156His	50,61	snv	missense_variant
85	CMML	TET2	NM_001127208.2:c.4132T>C	NP_001120680.1:p.Cys1378Arg	47,6	snv	missense_variant
85	CMML	NRAS	NM_002524.4:c.37G>C	NP_002515.1:p.Gly13Arg	15,64	snv	missense_variant
85	CMML	RUNX1	NM_001754.4:c.592G>A	NP_001745.2:p.Asp198Asn	14,07	snv	missense_variant
85	CMML	NRAS	NM_002524.4:c.35G>C	NP_002515.1:p.Gly12Ala	8,18	snv	missense_variant
85	CMML	RUNX1	NM_001754.4:c.1022_1023insTTGGC	NP_001745.2:p.Ile342TrpfsTer254	5,98	insertion	frameshift_variant
86	CMML	TET2	NM_001127208.2:c.2305delC	NP_001120680.1:p.Gln769SerfsTer44	42,01	deletion	frameshift_variant
86	CMML	TET2	NM_001127208.2:c.5140_5141delAA	NP_001120680.1:p.Asn1714CysfsTer14	9,09	deletion	frameshift_variant
87	CMML	SF3B1	NM_012433.2:c.1997A>G	NP_036565.2:p.Lys666Arg	34,73	snv	missense_variant
87	CMML	TET2	NM_001127208.2:c.4268T>A	NP_001120680.1:p.Val1423Asp	2,37	snv	missense_variant
88	CMML	TP53	NM_000546.5:c.818G>A	NP_000537.3:p.Arg273His	71,46	snv	missense_variant
88	CMML	PRPF8	NM_006445.3:c.4792G>A	NP_006436.3:p.Asp1598Asn	43,98	snv	missense_variant
88	CMML	RUNX1	NM_001754.4:c.422C>A	NP_001745.2:p.Ser141Ter	34,33	snv	stop_gained
88	CMML	CBL	NM_005188.3:c.1259G>A	NP_005179.2:p.Arg420Gln	1,54	snv	missense_variant
89	CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	49,76	snv	missense_variant
89	CMML	TET2	NM_001127208.2:c.2207delC	NP_001120680.1:p.Ser736TyrfsTer15	48,55	deletion	frameshift_variant
89	CMML	TET2	NM_001127208.2:c.4661_4664delCAGA	NP_001120680.1:p.Thr1554SerfsTer16	27,45	deletion	frameshift_variant
89	CMML	TET2	NM_001127208.2:c.1630C>T	NP_001120680.1:p.Arg544Ter	12,07	snv	stop_gained

89	CMML	ASXL1	NM_015338.5:c.2077C>T	NP_056153.2:p.Arg693Ter	11,29	snv	stop_gained
89	CMML	RUNX1	NM_001754.4:c.425C>T	NP_001745.2:p.Ala142Val	6,21	snv	missense_variant
89	CMML	TET2	NM_001127208.2:c.2147dupC	NP_001120680.1:p.His717ThrfsTer6	5,05	insertion	frameshift_variant
90	CMML	TET2	NM_001127208.2:c.4156C>G	NP_001120680.1:p.His1386Asp	47,43	snv	missense_variant
90	CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	39,48	snv	missense_variant
90	CMML	NRAS	NM_002524.4:c.34G>C	NP_002515.1:p.Gly12Arg	19,14	snv	missense_variant
91	CMML	TET2	NM_001127208.2:c.3283delA	NP_001120680.1:p.Arg1095GlufsTer11	35,4	deletion	frameshift_variant
91	CMML	TET2	NM_001127208.2:c.2155_2156delTT	NP_001120680.1:p.Leu719AlafsTer3	28,68	deletion	frameshift_variant
91	CMML	SF3B1	NM_012433.2:c.2098A>G	NP_036565.2:p.Lys700Glu	22,44	snv	missense_variant
91	CMML	ZRSR2	NM_005089.3:c.976T>C	NP_005080.1:p.Cys326Arg	8,95	snv	missense_variant
91	CMML	ZRSR2	NM_005089.3:c.772-1G>A		7,66	snv	splice_acceptor_variant
91	CMML	ZRSR2	NM_005089.3:c.868C>T	NP_005080.1:p.Arg290Ter	5,14	snv	stop_gained
91	CMML	ZRSR2	NM_005089.3:c.1003_1013delCCCAACAATGA	NP_005080.1:p.Pro335IlefsTer5	2,5	deletion	frameshift_variant
92	CMML	SRSF2	NM_003016.4:c.284C>A	NP_003007.2:p.Pro95His	46,79	snv	missense_variant
92	CMML	IDH2	NM_002168.2:c.419G>T	NP_002159.2:p.Arg140Leu	45,18	snv	missense_variant
92	CMML	KRAS	NM_033360.2:c.34G>C	NP_203524.1:p.Gly12Arg	43,31	snv	missense_variant
92	CMML	ASXL1	NM_015338.5:c.2415dupC	NP_056153.2:p.Thr806HisfsTer16	36,9	insertion	frameshift_variant
93	CMML	TET2	NM_001127208.2:c.5618T>C	NP_001120680.1:p.Ile1873Thr	43,25	snv	missense_variant
93	CMML	TET2	NM_001127208.2:c.2677delG	NP_001120680.1:p.Ala893LeufsTer28	42,41	deletion	frameshift_variant
93	CMML	SH2B3	NM_005475.2:c.933_940delGAGCACAG	NP_005466.1:p.Thr313ArgfsTer11	20,09	deletion	frameshift_variant
93	CMML	SH2B3	NM_005475.2:c.1204G>A	NP_005466.1:p.Val402Met	12,64	snv	missense_variant
93	CMML	SH2B3	NM_005475.2:c.1038dupG	NP_005466.1:p.Leu347AlafsTer38	6,68	insertion	frameshift_variant
93	CMML	SH2B3	NM_005475.2:c.20_21insAA	NP_005466.1:p.Pro8SerfsTer29	5,43	insertion	frameshift_variant
93	CMML	TP53	NM_000546.5:c.476C>G	NP_000537.3:p.Ala159Gly	2,06	snv	missense_variant
94	CMML	No mutations identified					