

LINE UP

| カタログ番号       | 系統名     | 診断名                                                                             | 移植<br>タイプ | 掲載<br>ページ |
|--------------|---------|---------------------------------------------------------------------------------|-----------|-----------|
| F_PDX_000125 | DLEU026 | NK-lymphoblastic leukemia/lymphoma; AML, NOS<br>NKリンパ芽球性白血病/リンパ腫; 急性骨髄性白血病、非特定型 | 直接        | 2         |
| F_PDX_000127 | DLEU028 | Acute leukemias of ambiguous lineage<br>系統不明な急性白血病                              | 直接        | 7         |
| F_PDX_000128 | DLEU029 | Mixed phenotype acute leukemia (MPAL), T/myeloid, NOS<br>混合形質性急性白血病、T/骨髄性、非特定型  | 直接        | 12        |

GEP SNV CNV HLA

基本属性

|        |                |      |     |
|--------|----------------|------|-----|
| F-PDX® |                |      |     |
| 移植動物系統 | NOG            | 移植部位 | 尾静脈 |
| 生着日数   | 生存日数           |      |     |
| 病理組織所見 |                |      |     |
| 陽性マーカー | ヒトCD45, ヒトCD33 |      |     |
| 培養細胞化  |                |      |     |

|         |                                    |    |      |
|---------|------------------------------------|----|------|
| 移植サンプル  |                                    |    |      |
| 採取部位    | 末梢血 (血液), 再発                       |    |      |
| 性別      | 男性                                 | 年代 | 10歳代 |
| 入手先     | 日本                                 |    |      |
| 診断名     | NKリンパ芽球性白血病/リンパ腫;<br>急性骨髄性白血病、非特定型 |    |      |
| F-PDO系統 |                                    |    |      |

病理組織像

|               |                    |                    |
|---------------|--------------------|--------------------|
|               | 脾臓 (Spleen)        | 寛骨 (Hipbone)       |
| HE染色          | No image available | No image available |
| 免疫染色 (ヒトCD45) | No image available | No image available |

## 移植後の推移

体 重

No image available

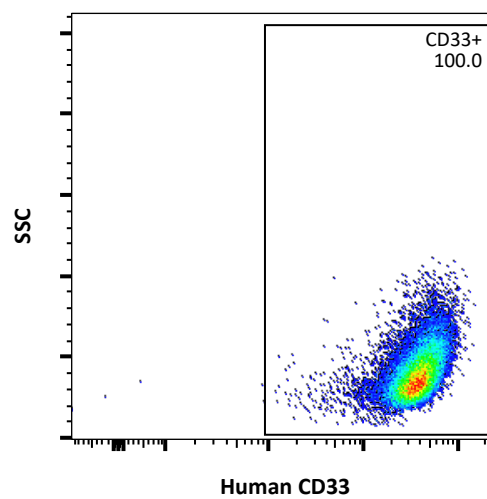
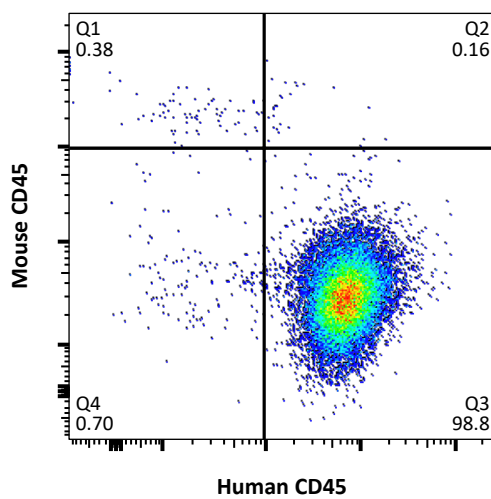
生 存 率

No image available

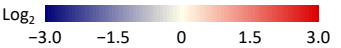
骨髄中ヒトCD45陽性率

No image available

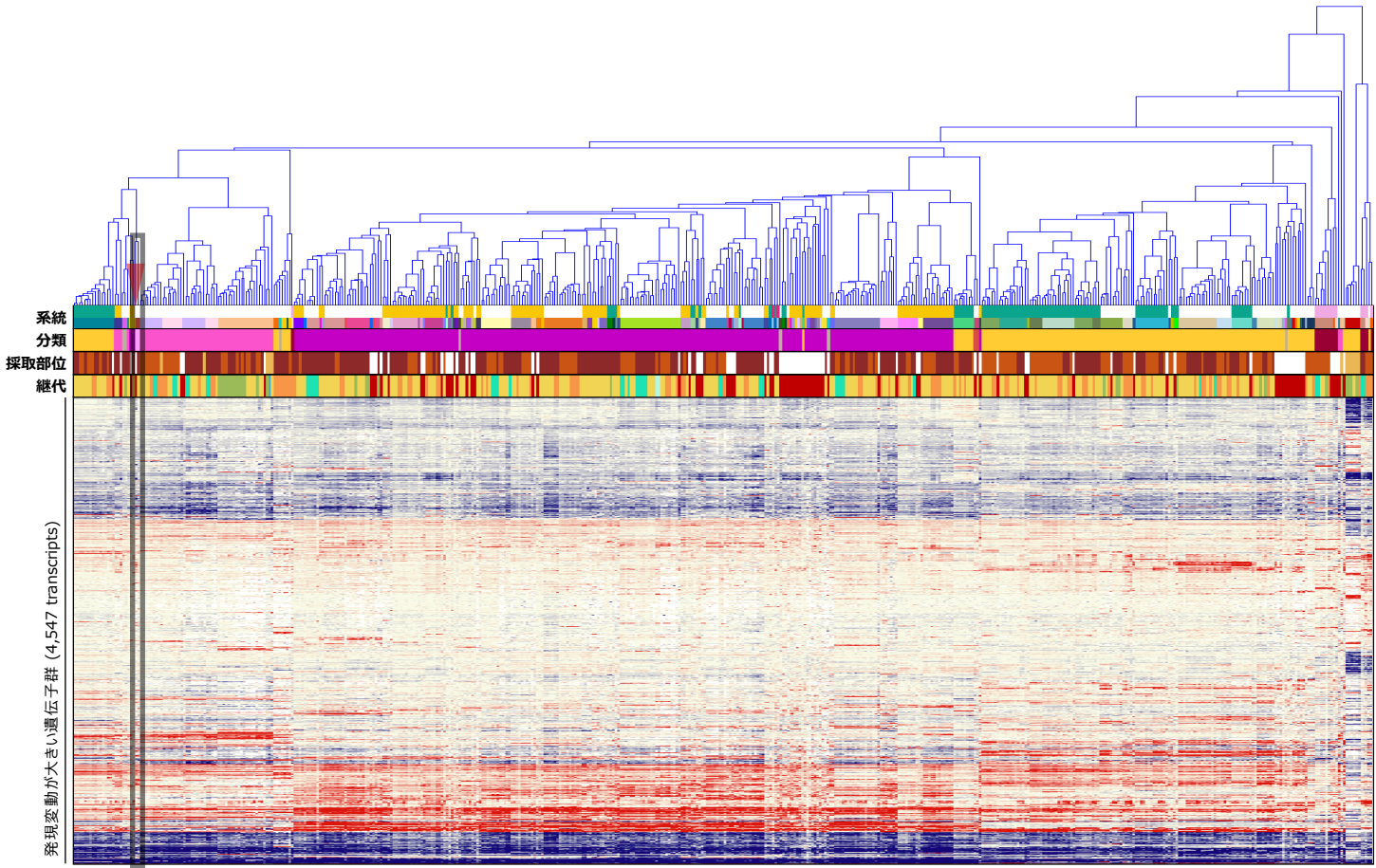
## 表面抗原解析



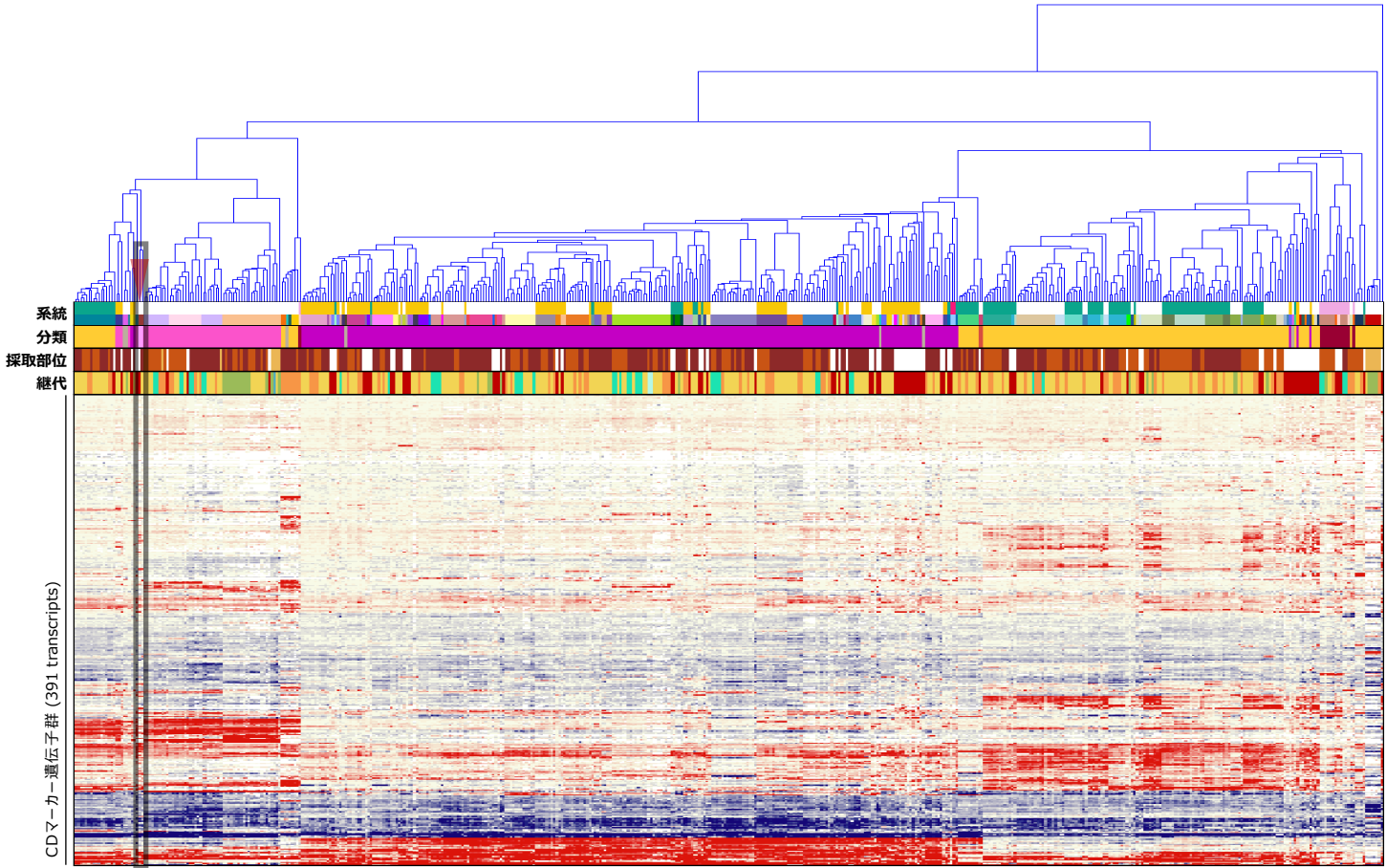
網羅的遺伝子発現解析 (クラスタ分析) による評価



- 【系統】 元の腫瘍が同じサンプルを上下の組合せが同じ色で表示      【継代】 P0 P1 P2 P3 P4 多数匹同時移植 多数匹同時移植 (死後回収)
- 【分類】 AML ALL T-ALL NK-ALL MM 成熟B細胞性 不明または混合 ※ 臨床情報に基づく分類      ▼ DLEU026 の元の腫瘍サンプル
- 【採取部位】 骨髓 脾臓 腫瘍



造血器腫瘍由来PDX系統および元の腫瘍サンプル (89 series, 514 samples)



造血器腫瘍由来PDX系統および元の腫瘍サンプル (89 series, 514 samples)

がん関連遺伝子の発現プロファイル

| Gene     | SNV |     | GEP |     | Gene         | GEP |     | Gene    | GEP |     | Gene     | GEP |     | Gene     | GEP |     | Gene    | GEP |     |         |  |  |
|----------|-----|-----|-----|-----|--------------|-----|-----|---------|-----|-----|----------|-----|-----|----------|-----|-----|---------|-----|-----|---------|--|--|
|          | Pt. | PDX | Pt. | PDX |              | Pt. | PDX |         | Pt. | PDX |          | Pt. | PDX |          | Pt. | PDX |         | Pt. | PDX |         |  |  |
| AKT1     |     |     |     |     | ABCB1        |     |     | COL1A1  |     |     | G6PD     |     |     | MAGOH    |     |     | PIK3R5  |     |     | SLC22A2 |  |  |
| ALK      |     |     |     |     | ABCC2        |     |     | CRBN    |     |     | GABRA6   |     |     | MALT1    |     |     | PIM1    |     |     | SLC31A1 |  |  |
| AR       |     |     |     |     | ABL1         |     |     | CREB1   |     |     | GAPDH    |     |     | MAML2    |     |     | PLAG1   |     |     | SLC34A2 |  |  |
| ARID1A   |     |     |     |     | ABL2         |     |     | CRLF2   |     |     | GATA1    |     |     | MAP2K2   |     |     | PLCG1   |     |     | SLC45A3 |  |  |
| ATM      |     |     |     |     | ACTB         |     |     | CRTC1   |     |     | GATA2    |     |     | MAP3K1   |     |     | PLCG2   |     |     | SLCO1B1 |  |  |
| BRCA1    |     |     |     |     | ACVR1B       |     |     | CSF1R   |     |     | GDNF     |     |     | MAP3K7   |     |     | PLEKHG5 |     |     | SLIT2   |  |  |
| BRCA2    |     |     |     |     | ACVR2A       |     |     | CTNNA1  |     |     | GID4     |     |     | MAPK1    |     |     | PMS1    |     |     | SMAD2   |  |  |
| CARD11   |     |     |     |     | ADGRA2       |     |     | CTSV    |     |     | GLI1     |     |     | MAPK8    |     |     | POLD1   |     |     | SMO     |  |  |
| CCNE1    |     |     |     |     | ADGRB3       |     |     | CUL3    |     |     | GNA11    |     |     | MARK4    |     |     | POU5F1  |     |     | SOC51   |  |  |
| CDH1     |     |     |     |     | AFF1         |     |     | CYLD    |     |     | GNA13    |     |     | MAX      |     |     | PPARG   |     |     | SOS1    |  |  |
| CDK12    |     |     |     |     | AFF3         |     |     | CYP1A2  |     |     | GNAQ     |     |     | MBD1     |     |     | PREX2   |     |     | SOX9    |  |  |
| CEBPA    |     |     |     |     | AKT2         |     |     | CYP2C9  |     |     | GRB7     |     |     | MCL1     |     |     | PRKACA  |     |     | SOX10   |  |  |
| CREBBP   |     |     |     |     | AKT3         |     |     | CYP2D6  |     |     | GRIN2A   |     |     | MDM4     |     |     | PRKACB  |     |     | SOX11   |  |  |
| CTNNB1   |     |     |     |     | ARAF         |     |     | CYP19A1 |     |     | GRM3     |     |     | MED12    |     |     | PRKAR1A |     |     | SPRED1  |  |  |
| EGFR     |     |     |     |     | ARFRP1       |     |     | DAXX    |     |     | GRM8     |     |     | MED13    |     |     | PRKCI   |     |     | SPTA1   |  |  |
| ERBB2    |     |     |     |     | ARNT         |     |     | DCC     |     |     | GSK3B    |     |     | MITF     |     |     | PRKDC   |     |     | SRC     |  |  |
| ERG      |     |     |     |     | ATF1         |     |     | DDB2    |     |     | GSTP1    |     |     | MKI67    |     |     | PRSS8   |     |     | STAG2   |  |  |
| EZH2     |     |     |     |     | ATR          |     |     | DDIT3   |     |     | GUCY1A2  |     |     | MMP2     |     |     | PSIP1   |     |     | STAT1   |  |  |
| FANCA    |     |     |     |     | ATRX         |     |     | DDR1    |     |     | GUSB     |     |     | MMP11    |     |     | PSMB1   |     |     | STAT3   |  |  |
| FBXW7    |     |     |     |     | AURKA        |     |     | DDR2    |     |     | H3F3A    |     |     | MN1      |     |     | PSMB2   |     |     | STAT4   |  |  |
| FGFR2    |     |     |     |     | AURKB        |     |     | DDX3X   |     |     | HCAR1    |     |     | MPL      |     |     | PSMB5   |     |     | STK36   |  |  |
| FLT3     |     |     |     |     | AURKC        |     |     | DEK     |     |     | HGF      |     |     | MST1R    |     |     | PSMD1   |     |     | SUFU    |  |  |
| FLT4     |     |     |     |     | AXIN1        |     |     | DICER1  |     |     | HIF1A    |     |     | MTR      |     |     | PSMD2   |     |     | SYK     |  |  |
| GATA3    |     |     |     |     | AXL          |     |     | DOT1L   |     |     | HLF      |     |     | MTRR     |     |     | PTCH1   |     |     | TAF1    |  |  |
| GNAS     |     |     |     |     | BAG1         |     |     | DPYD    |     |     | HNF1A    |     |     | MUC1     |     |     | PTGS2   |     |     | TAL1    |  |  |
| HRAS     |     |     |     |     | BARD1        |     |     | DST     |     |     | HSP90AA1 |     |     | MYB      |     |     | PTPRD   |     |     | TBX22   |  |  |
| IDH1     |     |     |     |     | BCL2         |     |     | EMSY    |     |     | HSP90AB1 |     |     | MYBL1    |     |     | PTPRT   |     |     | TCF3    |  |  |
| IDH2     |     |     |     |     | BCL2L1       |     |     | EPHA3   |     |     | ICK      |     |     | MYBL2    |     |     | QKI     |     |     | TCF7L1  |  |  |
| IL7R     |     |     |     |     | BCL2L2       |     |     | EPHA5   |     |     | IGF1R    |     |     | MYCN     |     |     | RAC1    |     |     | TCF7L2  |  |  |
| JUN      |     |     |     |     | BCL3         |     |     | EPHA7   |     |     | IGF2R    |     |     | MYH9     |     |     | RAD50   |     |     | TCL1A   |  |  |
| KIT      |     |     |     |     | BCL6         |     |     | EPHB1   |     |     | IKBK8    |     |     | MYH11    |     |     | RAD51   |     |     | TENT5C  |  |  |
| KMT2C    |     |     |     |     | BCL10        |     |     | EPHB4   |     |     | IKZF1    |     |     | NBN      |     |     | RAD51C  |     |     | TERT    |  |  |
| KMT2D    |     |     |     |     | BCL11B       |     |     | EPHB6   |     |     | IL2      |     |     | NCOA1    |     |     | RAF1    |     |     | TET1    |  |  |
| MAP2K1   |     |     |     |     | BCOR         |     |     | ERBB3   |     |     | IL2RA    |     |     | NCOA2    |     |     | RALGDS  |     |     | TFRC    |  |  |
| MAP2K4   |     |     |     |     | BCR          |     |     | ERBB4   |     |     | IL2RB    |     |     | NCOA4    |     |     | RANBP2  |     |     | TGFB2   |  |  |
| MSH2     |     |     |     |     | BIRC3        |     |     | ERCC1   |     |     | IL2RG    |     |     | NELL2    |     |     | RARA    |     |     | TGM7    |  |  |
| MSH6     |     |     |     |     | BIRC5        |     |     | ERCC2   |     |     | IL6ST    |     |     | NFKB1    |     |     | RARG    |     |     | THBS1   |  |  |
| MYC      |     |     |     |     | BLM          |     |     | ERCC5   |     |     | IL21R    |     |     | NFKB2    |     |     | REL     |     |     | TIMP3   |  |  |
| MYD88    |     |     |     |     | BLNK         |     |     | ERRFI1  |     |     | ING4     |     |     | NFKBIA   |     |     | RELA    |     |     | TLX1    |  |  |
| NF1      |     |     |     |     | BMPR1A       |     |     | ESR1    |     |     | INHBA    |     |     | NLRP1    |     |     | RET     |     |     | TMPRSS2 |  |  |
| NF2      |     |     |     |     | BORCS8-MEF2B |     |     | ETS1    |     |     | INPP4B   |     |     | NOTCH2   |     |     | RHEB    |     |     | TNFAIP3 |  |  |
| NFE2L2   |     |     |     |     | BRIP1        |     |     | ETV1    |     |     | INSR     |     |     | NOTCH3   |     |     | RHOA    |     |     | TNK2    |  |  |
| NKX2-1   |     |     |     |     | BTG1         |     |     | ETV4    |     |     | IRF4     |     |     | NOTCH4   |     |     | RHOH    |     |     | TOP1    |  |  |
| NPM1     |     |     |     |     | BTK          |     |     | ETV5    |     |     | IRS2     |     |     | NSD1     |     |     | RICTOR  |     |     | TOP2A   |  |  |
| NRAS     |     |     |     |     | BUB1B        |     |     | ETV6    |     |     | ITGA9    |     |     | NSD2     |     |     | RNASEL  |     |     | TP63    |  |  |
| NTRK1    |     |     |     |     | CASP8        |     |     | EXT1    |     |     | ITGA10   |     |     | NTRK3    |     |     | RNF2    |     |     | TP73    |  |  |
| PBRM1    |     |     |     |     | CBFB         |     |     | EXT2    |     |     | ITGB2    |     |     | NUMA1    |     |     | RNF43   |     |     | TPMT    |  |  |
| PIK3CA   |     |     |     |     | CCNB1        |     |     | FANCC   |     |     | ITGB3    |     |     | NUP93    |     |     | ROS1    |     |     | TRAF7   |  |  |
| PIK3R1   |     |     |     |     | CCND2        |     |     | FANCI   |     |     | JAK1     |     |     | NUP98    |     |     | RPLP0   |     |     | TRIM24  |  |  |
| POLE     |     |     |     |     | CCND3        |     |     | FANCL   |     |     | JAK2     |     |     | NUP214   |     |     | RPS6KA2 |     |     | TSC2    |  |  |
| PPP2R1A  |     |     |     |     | CD68         |     |     | FAS     |     |     | JAK3     |     |     | NUTM1    |     |     | RPS6KB1 |     |     | TSHR    |  |  |
| PRDM1    |     |     |     |     | CD79A        |     |     | FAT1    |     |     | KAT6B    |     |     | PARP1    |     |     | RRM1    |     |     | TYK2    |  |  |
| PTPN11   |     |     |     |     | CD274        |     |     | FGF3    |     |     | KDR      |     |     | PAX3     |     |     | RSP02   |     |     | TYMS    |  |  |
| RB1      |     |     |     |     | CDA          |     |     | FGF4    |     |     | KEAP1    |     |     | PAX5     |     |     | RSP03   |     |     | UBR5    |  |  |
| RECQL4   |     |     |     |     | CDC73        |     |     | FGF10   |     |     | KEL      |     |     | PAX7     |     |     | RUNX1   |     |     | UGT1A1  |  |  |
| SF3B1    |     |     |     |     | CDH2         |     |     | FGF14   |     |     | KLF4     |     |     | PAX8     |     |     | RXRA    |     |     | VEGFA   |  |  |
| SMAD4    |     |     |     |     | CDH5         |     |     | FGF19   |     |     | KNL1     |     |     | PBX1     |     |     | RXRB    |     |     | VKORC1  |  |  |
| SMARCA4  |     |     |     |     | CDH11        |     |     | FGF23   |     |     | LAMA2    |     |     | PDCD1LG2 |     |     | RXRG    |     |     | WAS     |  |  |
| SMARCB1  |     |     |     |     | CDH20        |     |     | FGR     |     |     | LAMP1    |     |     | PDE4DIP  |     |     | SAMD9   |     |     | WISP3   |  |  |
| SOX2     |     |     |     |     | CDK2         |     |     | FH      |     |     | LCK      |     |     | PDGFB    |     |     | SBDS    |     |     | XPC     |  |  |
| STK11    |     |     |     |     | CDK4         |     |     | FLCN    |     |     | LIFR     |     |     | PDGFRA   |     |     | SCUBE2  |     |     | XRCC2   |  |  |
| TNFRSF14 |     |     |     |     | CDK8         |     |     | FLI1    |     |     | LMO1     |     |     | PDGFRB   |     |     | SDHA    |     |     | YES1    |  |  |
| TP53     |     |     |     |     | CDKN1A       |     |     | FLT1    |     |     | LPP      |     |     | PDK1     |     |     | SDHB    |     |     | ZBTB2   |  |  |
| TSC1     |     |     |     |     | CDKN1B       |     |     | FOXO1   |     |     | LRP1B    |     |     | PER1     |     |     | SDHC    |     |     | ZNF217  |  |  |
| USP9X    |     |     |     |     | CDKN2C       |     |     | FOXO1   |     |     | LTF      |     |     | PGAP3    |     |     | SDHD    |     |     | ZNF384  |  |  |
| WRN      |     |     |     |     | CHD7         |     |     | FOXO3   |     |     | LTK      |     |     | PGR      |     |     | SEPT9   |     |     | ZNF521  |  |  |
| XPO1     |     |     |     |     | CHEK1        |     |     | FOXP1   |     |     | LYN      |     |     | PHF6     |     |     | SGK1    |     |     | ZNF703  |  |  |
|          |     |     |     |     | CHEK2        |     |     | FRS2    |     |     | MAF      |     |     | PHOX2B   |     |     | SH2D1A  |     |     |         |  |  |
|          |     |     |     |     | CHIC2        |     |     | FSTL5   |     |     | MAFB     |     |     | PIK3CD   |     |     | SHH     |     |     |         |  |  |
|          |     |     |     |     | CKS1B        |     |     | FUBP1   |     |     | MAGEA1   |     |     | PIK3CG   |     |     | SHOC2   |     |     |         |  |  |
|          |     |     |     |     | CMPK1        |     |     | FZR1    |     |     | MAGI2    |     |     | PIK3R2   |     |     | SLC22A1 |     |     |         |  |  |

【SNV検出】

Missense

Frameshift Indel

Fusion

Inframe Indel

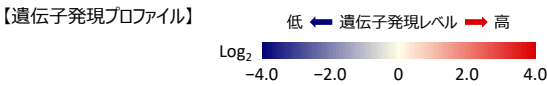
Nonsense

ITD

Stop Loss

Other

Multiple



臨床情報

F\_PDX\_000125

2026/05/20

|                 |                                                                                                                                                                 |       |            |         |        |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|---------|--------|
| 臨床情報シート区分       |                                                                                                                                                                 | 白血病   |            |         |        |
| 性 別             | 男                                                                                                                                                               | 年 齢   | 10歳代       | 採 取 部 位 | 血液     |
| 診 断 名           | 臓器分類: 骨髄BM                                                                                                                                                      |       |            |         |        |
|                 | 病理診断名                                                                                                                                                           |       |            |         | 診断コード  |
|                 | NKリンパ芽球性白血病/リンパ腫                                                                                                                                                |       |            |         | BM10.3 |
| 細胞表面マーカー<br>検 査 |                                                                                                                                                                 |       |            |         |        |
|                 |                                                                                                                                                                 |       |            |         |        |
| 免疫染色検査          | CD2                                                                                                                                                             | 陰性(-) | CD43(MT-1) | 陽性(+)   |        |
|                 | cyCD3                                                                                                                                                           | 陽性(+) | CD56       | 陽性(+)   |        |
|                 | CD4                                                                                                                                                             | 陰性(-) | CD79a      | 陰性(-)   |        |
|                 | CD5                                                                                                                                                             | 陰性(-) | CD123      | 陰性(-)   |        |
|                 | CD7                                                                                                                                                             | 陽性(+) | TdT        | +/-     |        |
|                 | CD8                                                                                                                                                             | 陰性(-) | TIA-1      | 陰性(-)   |        |
|                 | CD10                                                                                                                                                            | 陰性(-) | GranzymeB  | +/-     |        |
|                 | CD15                                                                                                                                                            | 陰性(-) | EBER1      | 陰性(-)   |        |
|                 | CD20                                                                                                                                                            | 陰性(-) | CD33       | 陽性(+)   |        |
|                 | (初発頸部リンパ節検体の情報より)                                                                                                                                               |       |            |         |        |
| 染色体検査           |                                                                                                                                                                 |       |            |         |        |
| 由 来 細 胞         | その他                                                                                                                                                             |       |            |         |        |
| 既 往 歴           | 心室中隔欠損症, 大動脈弁閉鎖不全, 急性白血病                                                                                                                                        |       |            |         |        |
| 放射線療法歴          | あり (移植前処置)                                                                                                                                                      |       |            |         |        |
| 薬剤治療歴           | シタラビン, ピラルピシン, ピンクリスチン硫酸塩, メトトレキサート, イダルビシン塩酸塩, デキサメタゾン, ドキソルピシン塩酸塩, シクロホスファミド水和物, プレドニゾン, レーアスパラギナーゼ, ダウノルピシン塩酸塩, エトポシド, フルダラビンリン酸エステル, ブスルファン, メルファラン, ポルテソミブ |       |            |         |        |
| 喫 煙 歴           | なし                                                                                                                                                              |       | 飲 酒 歴      | なし      |        |
| 特 記 事 項         |                                                                                                                                                                 |       |            |         |        |

GEP SNV CNV HLA

基本属性

|        |                |  |      |          |            |    |      |
|--------|----------------|--|------|----------|------------|----|------|
| F-PDX® |                |  |      | 移植サンプル   |            |    |      |
| 移植動物系統 | NOG            |  | 移植部位 | 原発巣 (骨髄) |            |    |      |
| 生着日数   |                |  | 生存日数 | 性別       | 男性         | 年代 | 10歳代 |
| 病理組織所見 |                |  |      | 入手先      | 日本         |    |      |
| 陽性マーカー | ヒトCD19, ヒトCD10 |  |      | 診断名      | 系統不明な急性白血病 |    |      |
| 培養細胞化  |                |  |      | F-PDO系統  |            |    |      |

病理組織像

|               |                    |                    |
|---------------|--------------------|--------------------|
|               | 脾臓 (Spleen)        | 寛骨 (Hipbone)       |
| HE染色          | No image available | No image available |
| 免疫染色 (ヒトCD45) | No image available | No image available |

移植後の推移

体 重

No image available

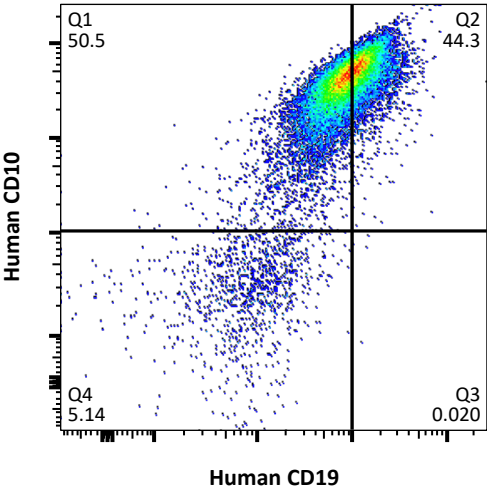
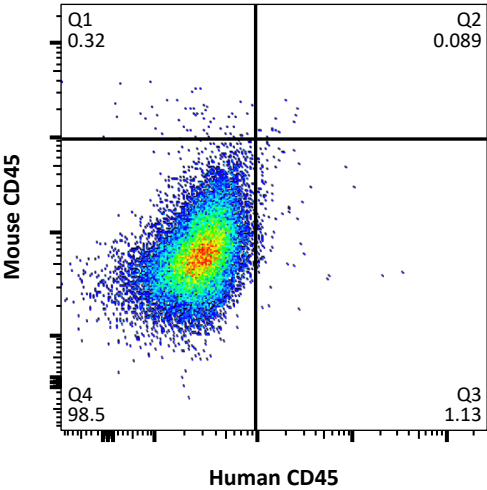
生 存 率

No image available

骨髓中ヒトCD45陽性率

No image available

表面抗原解析



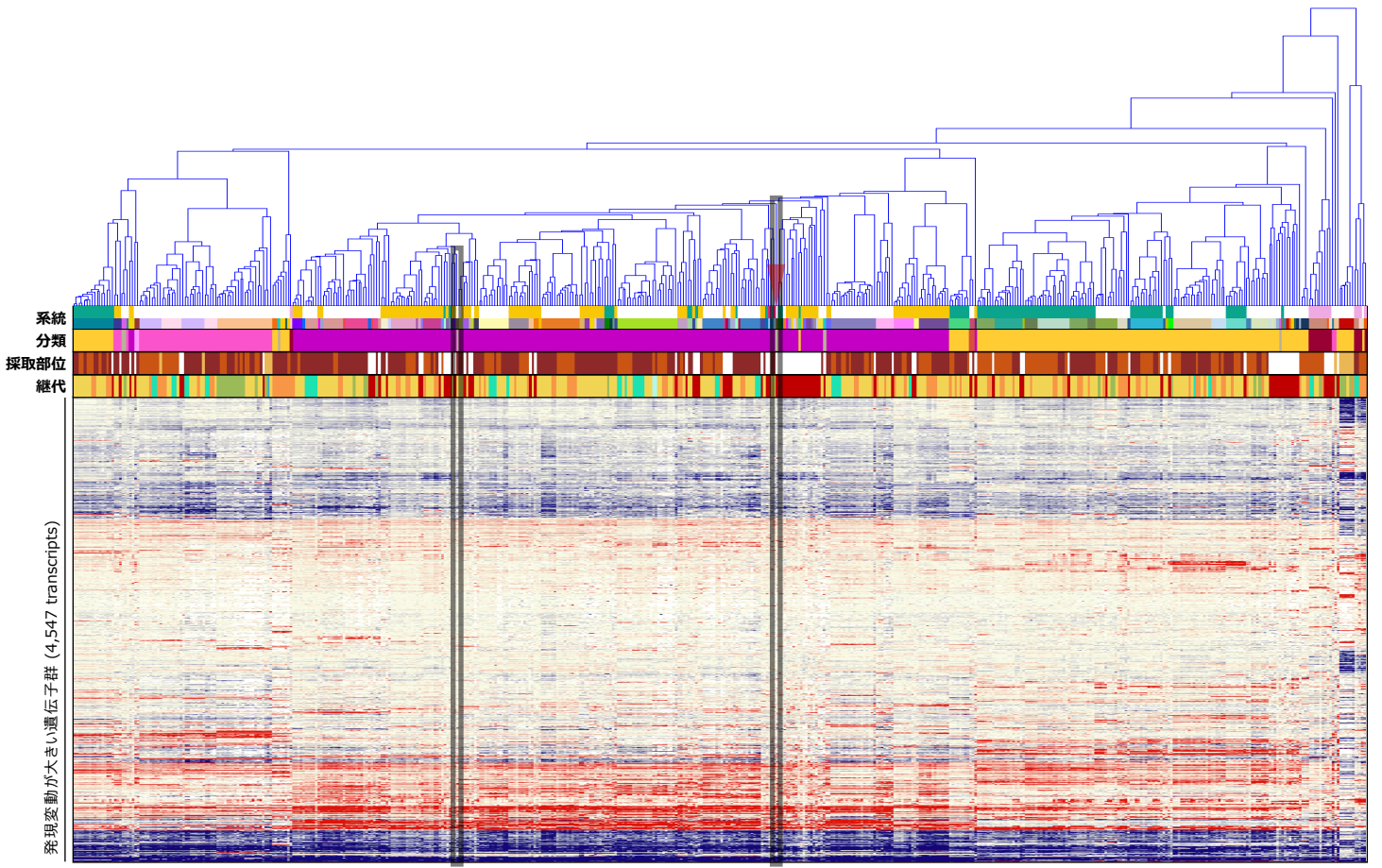
網羅的遺伝子発現解析 (クラスタ分析) による評価



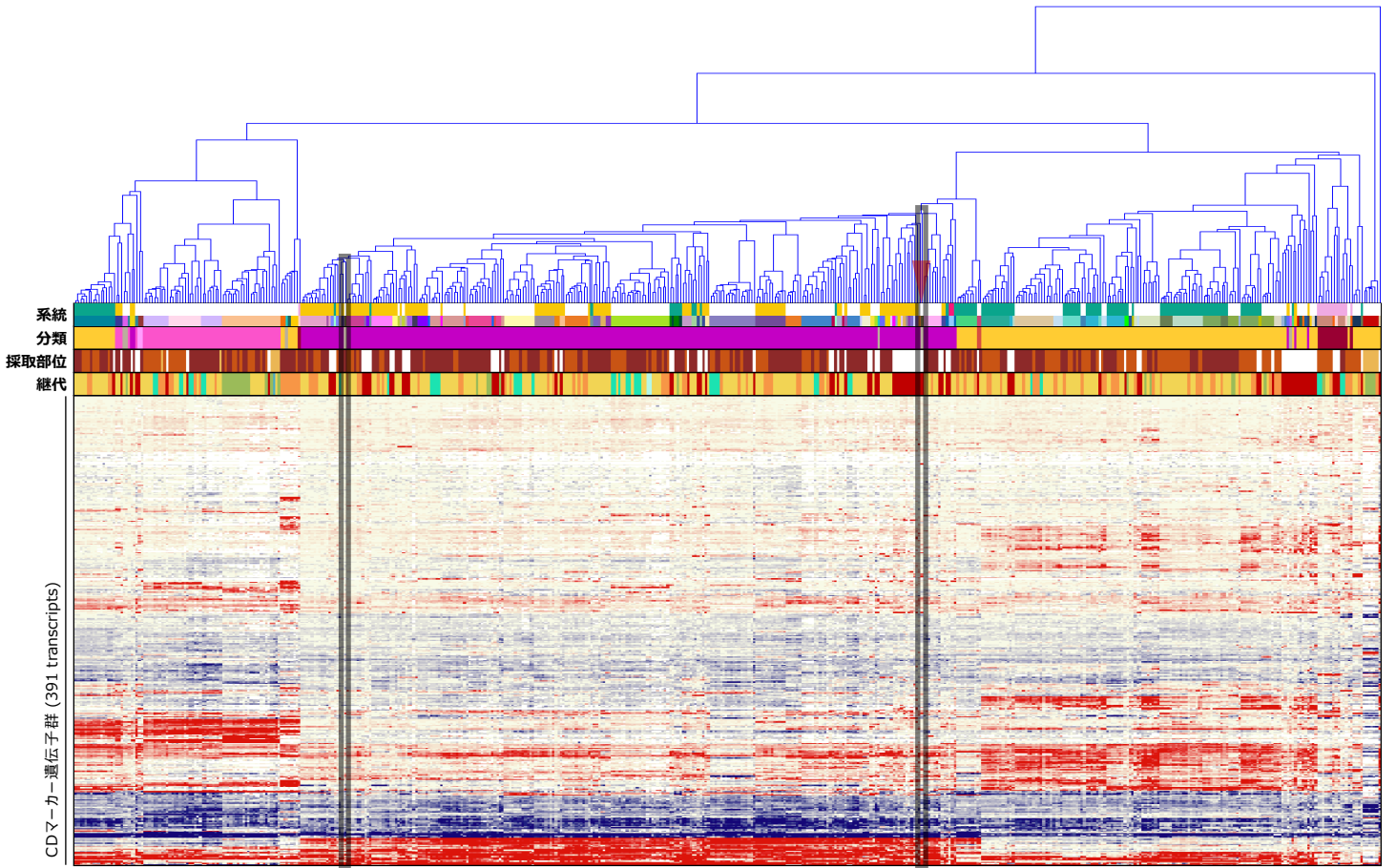
【系統】 元の腫瘍が同じサンプルを上下の組合せが同じ色で表示      【継代】 P0 P1 P2 P3 P4 多数匹同時移植 多数匹同時移植 (死後回収)

【分類】 AML ALL T-ALL NK-ALL MM 成熟B細胞性 不明または混合 ※ 臨床情報に基づく分類      ▼ DLEU028 の元の腫瘍サンプル

【採取部位】 骨髄 脾臓 腫瘍



造血器腫瘍由来PDX系統および元の腫瘍サンプル (89 series, 514 samples)



造血器腫瘍由来PDX系統および元の腫瘍サンプル (89 series, 514 samples)

## がん関連遺伝子の発現プロファイル

| Gene     | SNV |     | GEP |     | Gene         | GEP |     | Gene    | GEP |     | Gene     | GEP |     | Gene     | GEP |     | Gene    | GEP |     |
|----------|-----|-----|-----|-----|--------------|-----|-----|---------|-----|-----|----------|-----|-----|----------|-----|-----|---------|-----|-----|
|          | Pt. | PDX | Pt. | PDX |              | Pt. | PDX |         | Pt. | PDX |          | Pt. | PDX |          | Pt. | PDX |         | Pt. | PDX |
| AKT1     |     |     |     |     | ABCB1        |     |     | COL1A1  |     |     | G6PD     |     |     | MAGOH    |     |     | PIK3R5  |     |     |
| ALK      |     |     |     |     | ABCC2        |     |     | CRBN    |     |     | GABRA6   |     |     | MALT1    |     |     | PIM1    |     |     |
| AR       |     |     |     |     | ABL1         |     |     | CREB1   |     |     | GAPDH    |     |     | MAML2    |     |     | PLAG1   |     |     |
| ARID1A   |     |     |     |     | ABL2         |     |     | CRLF2   |     |     | GATA1    |     |     | MAP2K2   |     |     | PLCG1   |     |     |
| ATM      |     |     |     |     | ACTB         |     |     | CRTC1   |     |     | GATA2    |     |     | MAP3K1   |     |     | PLCG2   |     |     |
| BRCA1    |     |     |     |     | ACVR1B       |     |     | CSF1R   |     |     | GDNF     |     |     | MAP3K7   |     |     | PLEKHG5 |     |     |
| BRCA2    |     |     |     |     | ACVR2A       |     |     | CTNNA1  |     |     | GID4     |     |     | MAPK1    |     |     | PMS1    |     |     |
| CARD11   |     |     |     |     | ADGRA2       |     |     | CTSV    |     |     | GLI1     |     |     | MAPK8    |     |     | POLD1   |     |     |
| CCNE1    |     |     |     |     | ADGRB3       |     |     | CUL3    |     |     | GNA11    |     |     | MARK4    |     |     | POU5F1  |     |     |
| CDH1     |     |     |     |     | AFF1         |     |     | CYLD    |     |     | GNA13    |     |     | MAX      |     |     | PPARG   |     |     |
| CDK12    |     |     |     |     | AFF3         |     |     | CYP1A2  |     |     | GNAQ     |     |     | MBD1     |     |     | PREX2   |     |     |
| CEBPA    |     |     |     |     | AKT2         |     |     | CYP2C9  |     |     | GRB7     |     |     | MCL1     |     |     | PRKACA  |     |     |
| CREBBP   |     |     |     |     | AKT3         |     |     | CYP2D6  |     |     | GRIN2A   |     |     | MDM4     |     |     | PRKACB  |     |     |
| CTNNA1   |     |     |     |     | ARAF         |     |     | CYP19A1 |     |     | GRM3     |     |     | MED12    |     |     | PRKAR1A |     |     |
| EGFR     |     |     |     |     | ARFRP1       |     |     | DAXX    |     |     | GRM8     |     |     | MED13    |     |     | PRKCI   |     |     |
| ERBB2    |     |     |     |     | ARNT         |     |     | DCC     |     |     | GSK3B    |     |     | MITF     |     |     | PRKDC   |     |     |
| ERG      |     |     |     |     | ATF1         |     |     | DDB2    |     |     | GSTP1    |     |     | MKI67    |     |     | PRSS8   |     |     |
| EZH2     |     |     |     |     | ATR          |     |     | DDIT3   |     |     | GUCY1A2  |     |     | MMP2     |     |     | PSIP1   |     |     |
| FANCA    |     |     |     |     | ATRX         |     |     | DDR1    |     |     | GUSB     |     |     | MMP11    |     |     | PSMB1   |     |     |
| FBXW7    |     |     |     |     | AURKA        |     |     | DDR2    |     |     | H3F3A    |     |     | MN1      |     |     | PSMB2   |     |     |
| FGFR2    |     |     |     |     | AURKB        |     |     | DDX3X   |     |     | HCAR1    |     |     | MPL      |     |     | PSMB5   |     |     |
| FLT3     |     |     |     |     | AURKC        |     |     | DEK     |     |     | HGF      |     |     | MST1R    |     |     | PSMD1   |     |     |
| FLT4     |     |     |     |     | AXIN1        |     |     | DICER1  |     |     | HIF1A    |     |     | MTR      |     |     | PSMD2   |     |     |
| GATA3    |     |     |     |     | AXL          |     |     | DOT1L   |     |     | HLF      |     |     | MTRR     |     |     | PTCH1   |     |     |
| GNAS     |     |     |     |     | BAG1         |     |     | DPYD    |     |     | HNF1A    |     |     | MUC1     |     |     | PTGS2   |     |     |
| HRAS     |     |     |     |     | BARD1        |     |     | DST     |     |     | HSP90AA1 |     |     | MYB      |     |     | PTPRD   |     |     |
| IDH1     |     |     |     |     | BCL2         |     |     | EMSY    |     |     | HSP90AB1 |     |     | MYBL1    |     |     | PTPRT   |     |     |
| IDH2     |     |     |     |     | BCL2L1       |     |     | EPHA3   |     |     | ICK      |     |     | MYBL2    |     |     | QKI     |     |     |
| IL7R     |     |     |     |     | BCL2L2       |     |     | EPHA5   |     |     | IGF1R    |     |     | MYCN     |     |     | RAC1    |     |     |
| JUN      |     |     |     |     | BCL3         |     |     | EPHA7   |     |     | IGF2R    |     |     | MYH9     |     |     | RAD50   |     |     |
| KIT      |     |     |     |     | BCL6         |     |     | EPHB1   |     |     | IKBK8    |     |     | MYH11    |     |     | RAD51   |     |     |
| KMT2C    |     |     |     |     | BCL10        |     |     | EPHB4   |     |     | IKZF1    |     |     | NBN      |     |     | RAD51C  |     |     |
| KMT2D    |     |     |     |     | BCL11B       |     |     | EPHB6   |     |     | IL2      |     |     | NCOA1    |     |     | RAF1    |     |     |
| MAP2K1   |     |     |     |     | BCOR         |     |     | ERBB3   |     |     | IL2RA    |     |     | NCOA2    |     |     | RALGDS  |     |     |
| MAP2K4   |     |     |     |     | BCR          |     |     | ERBB4   |     |     | IL2RB    |     |     | NCOA4    |     |     | RANBP2  |     |     |
| MSH2     |     |     |     |     | BIRC3        |     |     | ERCC1   |     |     | IL2RG    |     |     | NELL2    |     |     | RARA    |     |     |
| MSH6     |     |     |     |     | BIRC5        |     |     | ERCC2   |     |     | IL6ST    |     |     | NFKB1    |     |     | RARG    |     |     |
| MYC      |     |     |     |     | BLM          |     |     | ERCC5   |     |     | IL21R    |     |     | NFKB2    |     |     | REL     |     |     |
| MYD88    |     |     |     |     | BLNK         |     |     | ERRFI1  |     |     | ING4     |     |     | NFKBIA   |     |     | RELA    |     |     |
| NF1      |     |     |     |     | BMPR1A       |     |     | ESR1    |     |     | INHBA    |     |     | NLRP1    |     |     | RET     |     |     |
| NF2      |     |     |     |     | BORCS8-MEF2B |     |     | ETS1    |     |     | INPP4B   |     |     | NOTCH2   |     |     | RHEB    |     |     |
| NFE2L2   |     |     |     |     | BRIP1        |     |     | ETV1    |     |     | INSR     |     |     | NOTCH3   |     |     | RHOA    |     |     |
| NKX2-1   |     |     |     |     | BTG1         |     |     | ETV4    |     |     | IRF4     |     |     | NOTCH4   |     |     | RHOH    |     |     |
| NPM1     |     |     |     |     | BTK          |     |     | ETV5    |     |     | IRS2     |     |     | NSD1     |     |     | RICTOR  |     |     |
| NRAS     |     |     |     |     | BUB1B        |     |     | ETV6    |     |     | ITGA9    |     |     | NSD2     |     |     | RNASEL  |     |     |
| NRK1     |     |     |     |     | CASP8        |     |     | EXT1    |     |     | ITGA10   |     |     | NTRK3    |     |     | RNF2    |     |     |
| PBRM1    |     |     |     |     | CBFB         |     |     | EXT2    |     |     | ITGB2    |     |     | NUMA1    |     |     | RNF43   |     |     |
| PIK3CA   |     |     |     |     | CCNB1        |     |     | FANCC   |     |     | ITGB3    |     |     | NUP93    |     |     | ROS1    |     |     |
| PIK3R1   |     |     |     |     | CCND2        |     |     | FANCI   |     |     | JAK1     |     |     | NUP98    |     |     | RPLP0   |     |     |
| POLE     |     |     |     |     | CCND3        |     |     | FANCL   |     |     | JAK2     |     |     | NUP214   |     |     | RPS6KA2 |     |     |
| PPP2R1A  |     |     |     |     | CD68         |     |     | FAS     |     |     | JAK3     |     |     | NUTM1    |     |     | RPS6KB1 |     |     |
| PRDM1    |     |     |     |     | CD79A        |     |     | FAT1    |     |     | KAT6B    |     |     | PARP1    |     |     | RRM1    |     |     |
| PTPN11   |     |     |     |     | CD274        |     |     | FGF3    |     |     | KDR      |     |     | PAX3     |     |     | RSP02   |     |     |
| RB1      |     |     |     |     | CDA          |     |     | FGF4    |     |     | KEAP1    |     |     | PAX5     |     |     | RSP03   |     |     |
| RECQL4   |     |     |     |     | CDC73        |     |     | FGF10   |     |     | KEL      |     |     | PAX7     |     |     | RUNX1   |     |     |
| SF3B1    |     |     |     |     | CDH2         |     |     | FGF14   |     |     | KLF4     |     |     | PAX8     |     |     | RXRA    |     |     |
| SMAD4    |     |     |     |     | CDH5         |     |     | FGF19   |     |     | KNL1     |     |     | PBX1     |     |     | RXRB    |     |     |
| SMARCA4  |     |     |     |     | CDH11        |     |     | FGF23   |     |     | LAMA2    |     |     | PDCD1LG2 |     |     | RXRG    |     |     |
| SMARCB1  |     |     |     |     | CDH20        |     |     | FGR     |     |     | LAMP1    |     |     | PDE4DIP  |     |     | SAMD9   |     |     |
| SOX2     |     |     |     |     | CDK2         |     |     | FH      |     |     | LCK      |     |     | PDGFB    |     |     | SBDS    |     |     |
| STK11    |     |     |     |     | CDK4         |     |     | FLCN    |     |     | LIFR     |     |     | PDGFRA   |     |     | SCUBE2  |     |     |
| TNFRSF14 |     |     |     |     | CDK8         |     |     | FLI1    |     |     | LMO1     |     |     | PDGFRB   |     |     | SDHA    |     |     |
| TP53     |     |     |     |     | CDKN1A       |     |     | FLT1    |     |     | LPP      |     |     | PDK1     |     |     | SDHB    |     |     |
| TSC1     |     |     |     |     | CDKN1B       |     |     | FOXL2   |     |     | LRP1B    |     |     | PER1     |     |     | SDHC    |     |     |
| USP9X    |     |     |     |     | CDKN2C       |     |     | FOXO1   |     |     | LTF      |     |     | PGAP3    |     |     | SDHD    |     |     |
| WRN      |     |     |     |     | CHD7         |     |     | FOXO3   |     |     | LTK      |     |     | PGR      |     |     | SEPT9   |     |     |
| XPO1     |     |     |     |     | CHEK1        |     |     | FOXP1   |     |     | LYN      |     |     | PHF6     |     |     | SGK1    |     |     |
|          |     |     |     |     | CHEK2        |     |     | FRS2    |     |     | MAF      |     |     | PHOX2B   |     |     | SH2D1A  |     |     |
|          |     |     |     |     | CHIC2        |     |     | FSTL5   |     |     | MAFB     |     |     | PIK3CD   |     |     | SHH     |     |     |
|          |     |     |     |     | CKS1B        |     |     | FUBP1   |     |     | MAGEA1   |     |     | PIK3CG   |     |     | SHOC2   |     |     |
|          |     |     |     |     | CMPK1        |     |     | FZR1    |     |     | MAGI2    |     |     | PIK3R2   |     |     | SLC22A1 |     |     |

【SNV検出】

◆ Missense

◆ Frameshift Indel

★ Fusion

◆ Inframe Indel

♥ Nonsense

+ ITD

▼ Stop Loss

● Other

★ Multiple

【遺伝子発現プロファイル】

低 ← 遺伝子発現レベル → 高

Log<sub>2</sub> -4.0 -2.0 0 2.0 4.0

臨床情報

F\_PDX\_000127

2026/05/20

|                 |                                                                                                                                                                                                                                                       |     |       |         |       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|---------|-------|
| 臨床情報シート区分       |                                                                                                                                                                                                                                                       | 白血病 |       |         |       |
| 性 別             | 男                                                                                                                                                                                                                                                     | 年 齢 | 10歳代  | 採 取 部 位 | 骨髓    |
| 診 断 名           | 臓器分類: 骨髓BM                                                                                                                                                                                                                                            |     |       |         |       |
|                 | 病理診断名                                                                                                                                                                                                                                                 |     |       |         | 診断コード |
|                 | 系統不明な急性白血病                                                                                                                                                                                                                                            |     |       |         | BM09  |
| 細胞表面マーカー<br>検 査 | DNA index 1.00 Diploidy                                                                                                                                                                                                                               |     |       |         |       |
|                 | 陽性:CD10, CD15(一部), CD19, CD22, CD24, CD27, CD38(弱), CD58, CD99, cy-MPO, cyCD22, cyCD79a, cyTdT, HLA-DR                                                                                                                                                |     |       |         |       |
|                 | 陰性:CD1a, CD2, CD3, CD4, CD5, CD7, CD8, CD11b, CD13, CD14, CD20, CD21, CD33, CD34, CD36, CD41, CD42b, CD56, CD61, CD64, CD65, CD66c, CD95, CD117, CD133, CD235a, CD244, CD261, CD262, CD263, CD264, cyCD3, cy-μ鎖, μ鎖, κ鎖, λ鎖, TCRαβ, TCRγδ, 7.1, CRLF2 |     |       |         |       |
| 免疫染色検査          |                                                                                                                                                                                                                                                       |     |       |         |       |
| 染色体検査           | 46,XY,del(6)(q?),add(12)(p11.2),add(12)(p11.2),add(22)(q11.2)[3]/46,XY[15]                                                                                                                                                                            |     |       |         |       |
| 由 来 細 胞         | その他                                                                                                                                                                                                                                                   |     |       |         |       |
| 既 往 歴           | アレルギー性紫斑病                                                                                                                                                                                                                                             |     |       |         |       |
| 放射線療法歴          |                                                                                                                                                                                                                                                       |     |       |         |       |
| 薬剤治療歴           |                                                                                                                                                                                                                                                       |     |       |         |       |
| 喫 煙 歴           | なし                                                                                                                                                                                                                                                    |     | 飲 酒 歴 | なし      |       |
| 特 記 事 項         |                                                                                                                                                                                                                                                       |     |       |         |       |

GEP SNV CNV HLA

基本属性

F-PDX®

|        |                        |      |     |
|--------|------------------------|------|-----|
| 移植動物系統 | NOG                    | 移植部位 | 尾静脈 |
| 生着日数   | 生存日数                   |      |     |
| 病理組織所見 |                        |      |     |
| 陽性マーカー | ヒトCD45, ヒトCD33, ヒトCD13 |      |     |
| 培養細胞化  |                        |      |     |

移植サンプル

|         |                       |    |      |
|---------|-----------------------|----|------|
| 採取部位    | 原発巣 (骨髓), 再発          |    |      |
| 性別      | 女性                    | 年代 | 10歳代 |
| 入手先     | 日本                    |    |      |
| 診断名     | 混合形質性急性白血病、T/骨髓性、非特定型 |    |      |
| F-PDO系統 |                       |    |      |

病理組織像

|               | 脾臓 (Spleen)        | 寛骨 (Hipbone)       |
|---------------|--------------------|--------------------|
| HE染色          | No image available | No image available |
| 免疫染色 (ヒトCD45) | No image available | No image available |

移植後の推移

体 重

No image available

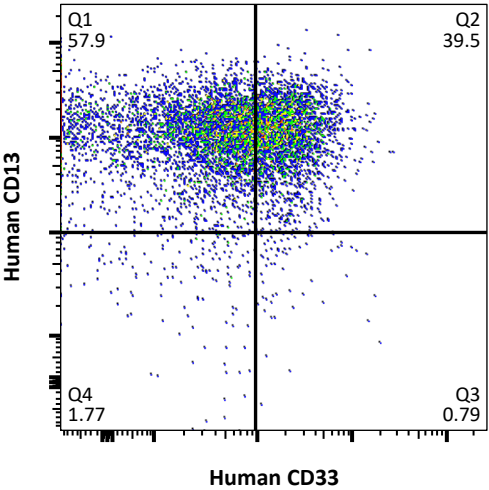
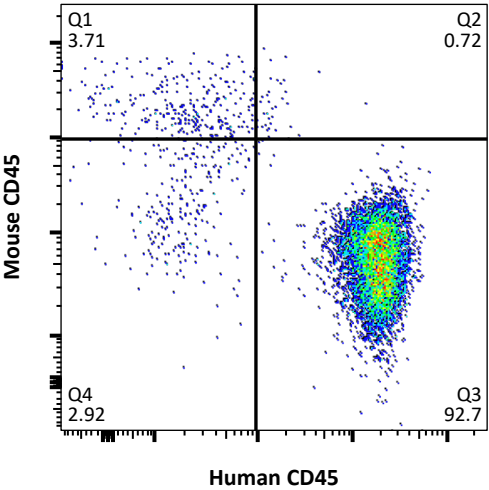
生 存 率

No image available

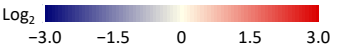
骨髓中ヒトCD45陽性率

No image available

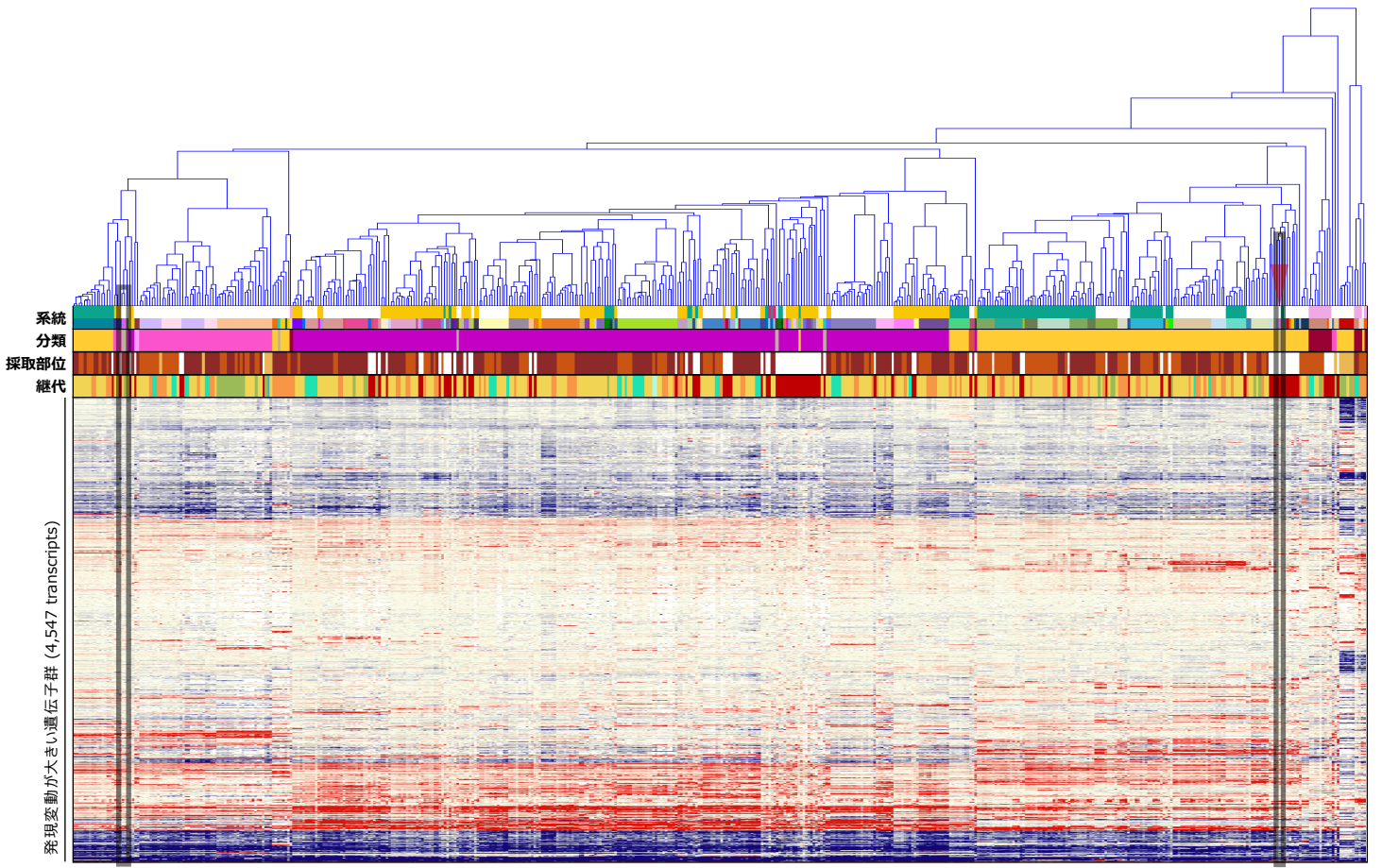
表面抗原解析



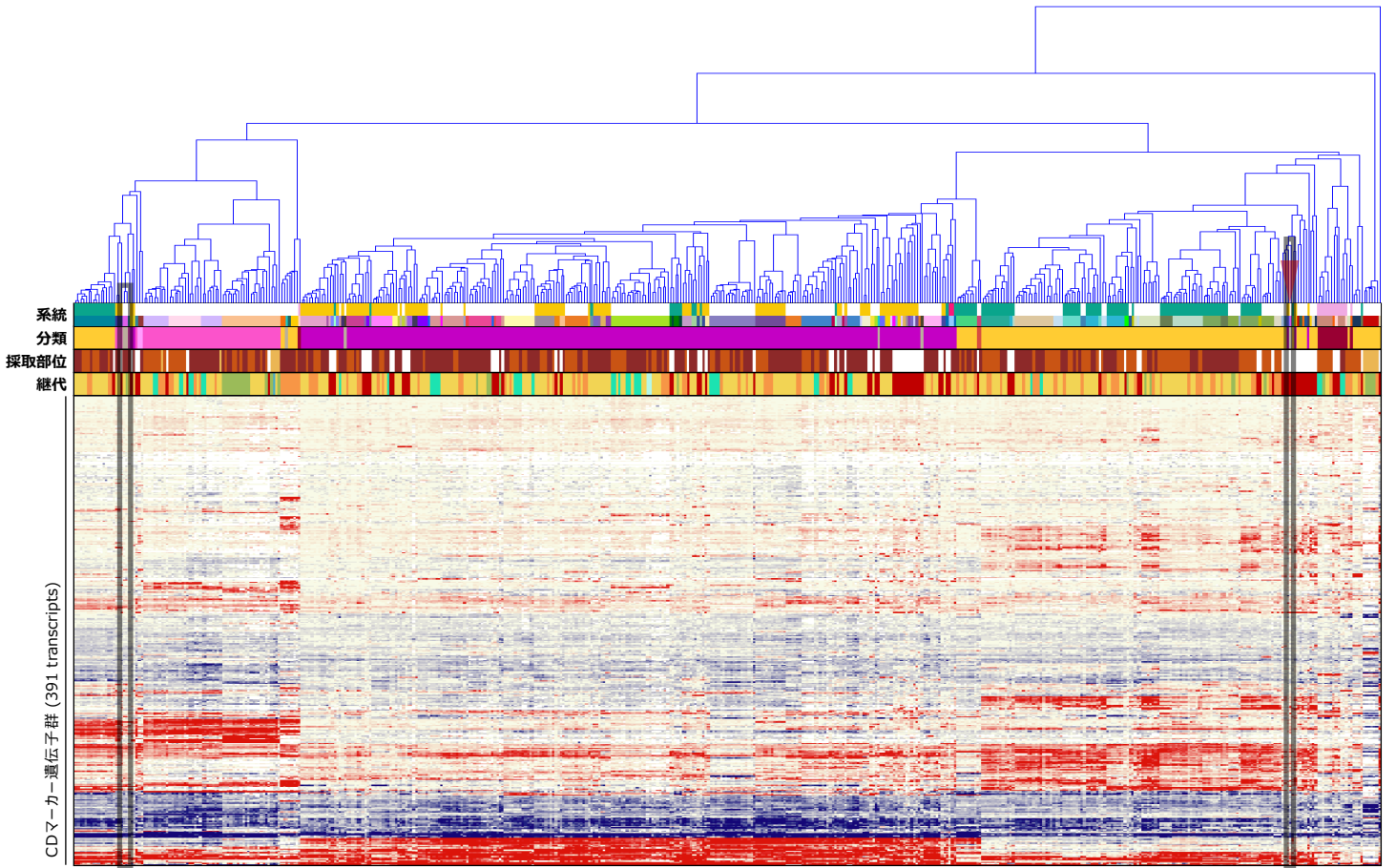
網羅的遺伝子発現解析（クラスタ分析）による評価



- 【系統】 元の腫瘍が同じサンプルを上下の組合せが同じ色で表示
- 【継代】 P0 P1 P2 P3 P4 多数匹同時移植 多数匹同時移植（死後回収）
- 【分類】 AML ALL T-ALL NK-ALL MM 成熟B細胞性 不明または混合 ※ 臨床情報に基づく分類 ▼ DLEU029 の元の腫瘍サンプル
- 【採取部位】 骨髄 脾臓 腫瘍



造血器腫瘍由来PDX系統および元の腫瘍サンプル (89 series, 514 samples)



造血器腫瘍由来PDX系統および元の腫瘍サンプル (89 series, 514 samples)

がん関連遺伝子の発現プロファイル

| Gene     | SNV |     | GEP |     | Gene         | GEP |     | Gene    | GEP |     | Gene     | GEP |     | Gene     | GEP |     | Gene    | GEP |     |         |  |  |
|----------|-----|-----|-----|-----|--------------|-----|-----|---------|-----|-----|----------|-----|-----|----------|-----|-----|---------|-----|-----|---------|--|--|
|          | Pt. | PDX | Pt. | PDX |              | Pt. | PDX |         | Pt. | PDX |          | Pt. | PDX |          | Pt. | PDX |         | Pt. | PDX |         |  |  |
| AKT1     |     |     |     |     | ABCB1        |     |     | COL1A1  |     |     | G6PD     |     |     | MAGOH    |     |     | PIK3R5  |     |     | SLC22A2 |  |  |
| ALK      |     |     |     |     | ABCC2        |     |     | CRBN    |     |     | GABRA6   |     |     | MALT1    |     |     | PIM1    |     |     | SLC31A1 |  |  |
| AR       |     |     |     |     | ABL1         |     |     | CREB1   |     |     | GAPDH    |     |     | MAML2    |     |     | PLAG1   |     |     | SLC34A2 |  |  |
| ARID1A   |     |     |     |     | ABL2         |     |     | CRLF2   |     |     | GATA1    |     |     | MAP2K2   |     |     | PLCG1   |     |     | SLC45A3 |  |  |
| ATM      |     |     |     |     | ACTB         |     |     | CRTC1   |     |     | GATA2    |     |     | MAP3K1   |     |     | PLCG2   |     |     | SLCO1B1 |  |  |
| BRCA1    |     |     |     |     | ACVR1B       |     |     | CSF1R   |     |     | GDNF     |     |     | MAP3K7   |     |     | PLEKHG5 |     |     | SLIT2   |  |  |
| BRCA2    |     |     |     |     | ACVR2A       |     |     | CTNNA1  |     |     | GID4     |     |     | MAPK1    |     |     | PMS1    |     |     | SMAD2   |  |  |
| CARD11   |     |     |     |     | ADGRA2       |     |     | CTSV    |     |     | GLI1     |     |     | MAPK8    |     |     | POLD1   |     |     | SMO     |  |  |
| CCNE1    |     |     |     |     | ADGRB3       |     |     | CUL3    |     |     | GNA11    |     |     | MARK4    |     |     | POU5F1  |     |     | SOC51   |  |  |
| CDH1     |     |     |     |     | AFF1         |     |     | CYLD    |     |     | GNA13    |     |     | MAX      |     |     | PPARG   |     |     | SOS1    |  |  |
| CDK12    |     |     |     |     | AFF3         |     |     | CYP1A2  |     |     | GNAQ     |     |     | MBD1     |     |     | PREX2   |     |     | SOX9    |  |  |
| CEBPA    |     |     |     |     | AKT2         |     |     | CYP2C9  |     |     | GRB7     |     |     | MCL1     |     |     | PRKACA  |     |     | SOX10   |  |  |
| CREBBP   |     |     |     |     | AKT3         |     |     | CYP2D6  |     |     | GRIN2A   |     |     | MDM4     |     |     | PRKACB  |     |     | SOX11   |  |  |
| CTNNB1   |     |     |     |     | ARAF         |     |     | CYP19A1 |     |     | GRM3     |     |     | MED12    |     |     | PRKAR1A |     |     | SPRED1  |  |  |
| EGFR     |     |     |     |     | ARFRP1       |     |     | DAXX    |     |     | GRM8     |     |     | MED13    |     |     | PRKCI   |     |     | SPTA1   |  |  |
| ERBB2    |     |     |     |     | ARNT         |     |     | DCC     |     |     | GSK3B    |     |     | MITF     |     |     | PRKDC   |     |     | SRC     |  |  |
| ERG      |     |     |     |     | ATF1         |     |     | DDB2    |     |     | GSTP1    |     |     | MKI67    |     |     | PRSS8   |     |     | STAG2   |  |  |
| EZH2     |     |     |     |     | ATR          |     |     | DDIT3   |     |     | GUCY1A2  |     |     | MMP2     |     |     | PSIP1   |     |     | STAT1   |  |  |
| FANCA    |     |     |     |     | ATRX         |     |     | DDR1    |     |     | GUSB     |     |     | MMP11    |     |     | PSMB1   |     |     | STAT3   |  |  |
| FBXW7    |     |     |     |     | AURKA        |     |     | DDR2    |     |     | H3F3A    |     |     | MN1      |     |     | PSMB2   |     |     | STAT4   |  |  |
| FGFR2    |     |     |     |     | AURKB        |     |     | DDX3X   |     |     | HCAR1    |     |     | MPL      |     |     | PSMB5   |     |     | STK36   |  |  |
| FLT3     |     |     |     |     | AURKC        |     |     | DEK     |     |     | HGF      |     |     | MST1R    |     |     | PSMD1   |     |     | SUFU    |  |  |
| FLT4     |     |     |     |     | AXIN1        |     |     | DICER1  |     |     | HIF1A    |     |     | MTR      |     |     | PSMD2   |     |     | SYK     |  |  |
| GATA3    |     |     |     |     | AXL          |     |     | DOT1L   |     |     | HLF      |     |     | MTRR     |     |     | PTCH1   |     |     | TAF1    |  |  |
| GNAS     |     |     |     |     | BAG1         |     |     | DPYD    |     |     | HNF1A    |     |     | MUC1     |     |     | PTGS2   |     |     | TAL1    |  |  |
| HRAS     |     |     |     |     | BARD1        |     |     | DST     |     |     | HSP90AA1 |     |     | MYB      |     |     | PTPRD   |     |     | TBX22   |  |  |
| IDH1     |     |     |     |     | BCL2         |     |     | EMSY    |     |     | HSP90AB1 |     |     | MYBL1    |     |     | PTPRT   |     |     | TCF3    |  |  |
| IDH2     |     |     |     |     | BCL2L1       |     |     | EPHA3   |     |     | ICK      |     |     | MYBL2    |     |     | QKI     |     |     | TCF7L1  |  |  |
| IL7R     |     |     |     |     | BCL2L2       |     |     | EPHA5   |     |     | IGF1R    |     |     | MYCN     |     |     | RAC1    |     |     | TCF7L2  |  |  |
| JUN      |     |     |     |     | BCL3         |     |     | EPHA7   |     |     | IGF2R    |     |     | MYH9     |     |     | RAD50   |     |     | TCL1A   |  |  |
| KIT      |     |     |     |     | BCL6         |     |     | EPHB1   |     |     | IKKB     |     |     | MYH11    |     |     | RAD51   |     |     | TENT5C  |  |  |
| KMT2C    |     |     |     |     | BCL10        |     |     | EPHB4   |     |     | IKZF1    |     |     | NBN      |     |     | RAD51C  |     |     | TERT    |  |  |
| KMT2D    |     |     |     |     | BCL11B       |     |     | EPHB6   |     |     | IL2      |     |     | NCOA1    |     |     | RAF1    |     |     | TET1    |  |  |
| MAP2K1   |     |     |     |     | BCOR         |     |     | ERBB3   |     |     | IL2RA    |     |     | NCOA2    |     |     | RALGDS  |     |     | TFRC    |  |  |
| MAP2K4   |     |     |     |     | BCR          |     |     | ERBB4   |     |     | IL2RB    |     |     | NCOA4    |     |     | RANBP2  |     |     | TGFBR2  |  |  |
| MSH2     |     |     |     |     | BIRC3        |     |     | ERCC1   |     |     | IL2RG    |     |     | NELL2    |     |     | RARA    |     |     | TGM7    |  |  |
| MSH6     |     |     |     |     | BIRC5        |     |     | ERCC2   |     |     | IL6ST    |     |     | NFKB1    |     |     | RARG    |     |     | THBS1   |  |  |
| MYC      |     |     |     |     | BLM          |     |     | ERCC5   |     |     | IL21R    |     |     | NFKB2    |     |     | REL     |     |     | TIMP3   |  |  |
| MYD88    |     |     |     |     | BLNK         |     |     | ERRFI1  |     |     | ING4     |     |     | NFKBIA   |     |     | RELA    |     |     | TLX1    |  |  |
| NF1      |     |     |     |     | BMPR1A       |     |     | ESR1    |     |     | INHBA    |     |     | NLRP1    |     |     | RET     |     |     | TMPRSS2 |  |  |
| NF2      |     |     |     |     | BORCS8-MEF2B |     |     | ETS1    |     |     | INPP4B   |     |     | NOTCH2   |     |     | RHEB    |     |     | TNFAIP3 |  |  |
| NFE2L2   |     |     |     |     | BRIP1        |     |     | ETV1    |     |     | INSR     |     |     | NOTCH3   |     |     | RHOA    |     |     | TNK2    |  |  |
| NKX2-1   |     |     |     |     | BTG1         |     |     | ETV4    |     |     | IRF4     |     |     | NOTCH4   |     |     | RHOH    |     |     | TOP1    |  |  |
| NPM1     |     |     |     |     | BTK          |     |     | ETV5    |     |     | IRS2     |     |     | NSD1     |     |     | RICTOR  |     |     | TOP2A   |  |  |
| NRAS     |     |     |     |     | BUB1B        |     |     | ETV6    |     |     | ITGA9    |     |     | NSD2     |     |     | RNASEL  |     |     | TP63    |  |  |
| NTRK1    |     |     |     |     | CASP8        |     |     | EXT1    |     |     | ITGA10   |     |     | NTRK3    |     |     | RNF2    |     |     | TP73    |  |  |
| PBRM1    |     |     |     |     | CBFB         |     |     | EXT2    |     |     | ITGB2    |     |     | NUMA1    |     |     | RNF43   |     |     | TPMT    |  |  |
| PIK3CA   |     |     |     |     | CCNB1        |     |     | FANCC   |     |     | ITGB3    |     |     | NUP93    |     |     | ROS1    |     |     | TRAF7   |  |  |
| PIK3R1   |     |     |     |     | CCND2        |     |     | FANCI   |     |     | JAK1     |     |     | NUP98    |     |     | RPLP0   |     |     | TRIM24  |  |  |
| POLE     |     |     |     |     | CCND3        |     |     | FANCL   |     |     | JAK2     |     |     | NUP214   |     |     | RPS6KA2 |     |     | TSC2    |  |  |
| PPP2R1A  |     |     |     |     | CD68         |     |     | FAS     |     |     | JAK3     |     |     | NUTM1    |     |     | RPS6KB1 |     |     | TSHR    |  |  |
| PRDM1    |     |     |     |     | CD79A        |     |     | FAT1    |     |     | KAT6B    |     |     | PARP1    |     |     | RRM1    |     |     | TYK2    |  |  |
| PTPN11   |     |     |     |     | CD274        |     |     | FGF3    |     |     | KDR      |     |     | PAX3     |     |     | RSP02   |     |     | TYMS    |  |  |
| RB1      |     |     |     |     | CDA          |     |     | FGF4    |     |     | KEAP1    |     |     | PAX5     |     |     | RSP03   |     |     | UBR5    |  |  |
| RECQL4   |     |     |     |     | CDC73        |     |     | FGF10   |     |     | KEL      |     |     | PAX7     |     |     | RUNX1   |     |     | UGT1A1  |  |  |
| SF3B1    |     |     |     |     | CDH2         |     |     | FGF14   |     |     | KLF4     |     |     | PAX8     |     |     | RXRA    |     |     | VEGFA   |  |  |
| SMAD4    |     |     |     |     | CDH5         |     |     | FGF19   |     |     | KNL1     |     |     | PBX1     |     |     | RXRB    |     |     | VKORC1  |  |  |
| SMARCA4  |     |     |     |     | CDH11        |     |     | FGF23   |     |     | LAMA2    |     |     | PDCD1LG2 |     |     | RXRG    |     |     | WAS     |  |  |
| SMARCB1  |     |     |     |     | CDH20        |     |     | FGR     |     |     | LAMP1    |     |     | PDE4DIP  |     |     | SAMD9   |     |     | WISP3   |  |  |
| SOX2     |     |     |     |     | CDK2         |     |     | FH      |     |     | LCK      |     |     | PDGFB    |     |     | SBDS    |     |     | XPC     |  |  |
| STK11    |     |     |     |     | CDK4         |     |     | FLCN    |     |     | LIFR     |     |     | PDGFRA   |     |     | SCUBE2  |     |     | XRCC2   |  |  |
| TNFRSF14 |     |     |     |     | CDK8         |     |     | FLI1    |     |     | LMO1     |     |     | PDGFRB   |     |     | SDHA    |     |     | YES1    |  |  |
| TP53     |     |     |     |     | CDKN1A       |     |     | FLT1    |     |     | LPP      |     |     | PDK1     |     |     | SDHB    |     |     | ZBTB2   |  |  |
| TSC1     |     |     |     |     | CDKN1B       |     |     | FOXL2   |     |     | LRP1B    |     |     | PER1     |     |     | SDHC    |     |     | ZNF217  |  |  |
| USP9X    |     |     |     |     | CDKN2C       |     |     | FOXO1   |     |     | LTF      |     |     | PGAP3    |     |     | SDHD    |     |     | ZNF384  |  |  |
| WRN      |     |     |     |     | CHD7         |     |     | FOXO3   |     |     | LTK      |     |     | PGR      |     |     | SEPT9   |     |     | ZNF521  |  |  |
| XPO1     |     |     |     |     | CHEK1        |     |     | FOXP1   |     |     | LYN      |     |     | PHF6     |     |     | SGK1    |     |     | ZNF703  |  |  |
|          |     |     |     |     | CHEK2        |     |     | FRS2    |     |     | MAF      |     |     | PHOX2B   |     |     | SH2D1A  |     |     |         |  |  |
|          |     |     |     |     | CHIC2        |     |     | FSTL5   |     |     | MAFB     |     |     | PIK3CD   |     |     | SHH     |     |     |         |  |  |
|          |     |     |     |     | CKS1B        |     |     | FUBP1   |     |     | MAGEA1   |     |     | PIK3CG   |     |     | SHOC2   |     |     |         |  |  |
|          |     |     |     |     | CMPK1        |     |     | FZR1    |     |     | MAGI2    |     |     | PIK3R2   |     |     | SLC22A1 |     |     |         |  |  |

【SNV検出】

Missense

Frameshift Indel

Fusion

Inframe Indel

Nonsense

ITD

Stop Loss

Other

Multiple

【遺伝子発現プロファイル】

低 ← 遺伝子発現レベル → 高

Log<sub>2</sub>

-4.0

-2.0

0

2.0

4.0

臨床情報

F\_PDX\_000128

2026/05/20

|                 |                                                                                                                                                                 |     |       |         |        |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|---------|--------|
| 臨床情報シート区分       |                                                                                                                                                                 | 白血病 |       |         |        |
| 性 別             | 女                                                                                                                                                               | 年 齢 | 10歳代  | 採 取 部 位 | 骨髓     |
| 診 断 名           | 臓器分類: 骨髓BM                                                                                                                                                      |     |       |         |        |
|                 | 病理診断名                                                                                                                                                           |     |       |         | 診断コード  |
|                 | 混合形質性急性白血病、T/骨髓性、非特定型                                                                                                                                           |     |       |         | BM09.5 |
| 細胞表面マーカー<br>検 査 | CD45-Blast Gating法                                                                                                                                              |     |       |         |        |
|                 | 陽性:CD2, CD5, CD7, CD13, CD33, CD34, cyCD3, TdT                                                                                                                  |     |       |         |        |
|                 | 陰性:CD3, CD4, CD8, CD10, CD14, CD16, CD19, CD20, CD41, CD56, KORSA, HLA-DR                                                                                       |     |       |         |        |
| 免疫染色検査          |                                                                                                                                                                 |     |       |         |        |
| 染色体検査           | 47, XX, add(2)(p11.2), -11, add(12)(q15), del(15)(q?), -16, +mar1, +mar2, +mar3[15]/46, XY[5]                                                                   |     |       |         |        |
| 由 来 細 胞         | その他・T細胞                                                                                                                                                         |     |       |         |        |
| 既 往 歴           | 急性白血病                                                                                                                                                           |     |       |         |        |
| 放射線療法歴          | あり (移植前処置)                                                                                                                                                      |     |       |         |        |
| 薬剤治療歴           | ボルテゾミブ, シクロホスファミド水和物, ドキソルピシン塩酸塩, デキサメタゾン, エトポシド, ネラペリン, プレドニゾロン, メルファラン, ミトキサントロン塩酸塩, イダルビシン塩酸塩, シタラピン, ピンクリスチン硫酸塩, メトトレキサート, フルダリンリン酸エステル, L-アスパラギナーゼ, プスルファン |     |       |         |        |
| 喫 煙 歴           | なし                                                                                                                                                              |     | 飲 酒 歴 | なし      |        |
| 特 記 事 項         | 細胞表面マーカー : cyCD3, TdTは臨床医所見                                                                                                                                     |     |       |         |        |