

LINE UP

| カタログ番号       | 系統名       | 元腫瘍の病理組織所見                                              | 掲載ページ |
|--------------|-----------|---------------------------------------------------------|-------|
| F_PDO_000058 | RCER002-2 | Squamous cell carcinoma, keratinizing type<br>角化型扁平上皮がん | 2     |
| F_PDO_000060 | RCER003-2 | Mucinous carcinoma, gastric type<br>胃型粘液性がん             | 7     |

GEP

SNV

CNV

HLA

DST

## 基本属性

## F-PDO®

培養形態 浮遊

倍加時間 5-7 日

培地 Cancer Cell Expansion Media

異種移植 生着

## 培養サンプル

採取部位 原発巣 (子宮頸部)

性別 女性

年齢 40 歳

入手先 日本

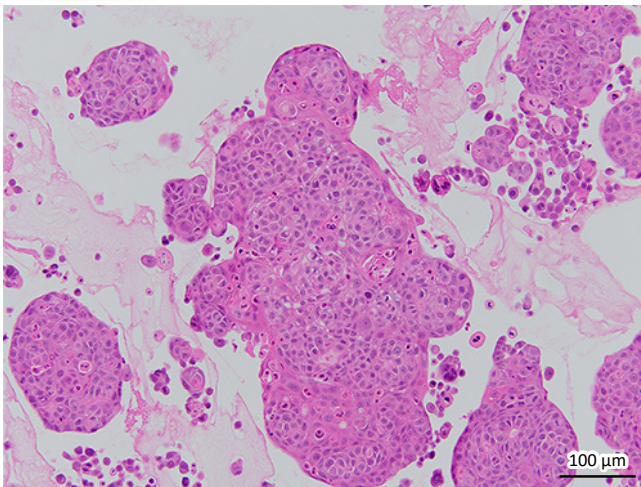
病理組織所見 角化型扁平上皮がん

F-PDX系統 DCER007 (F\_PDX\_000023);  
DCER019 (F\_PDX\_000254)

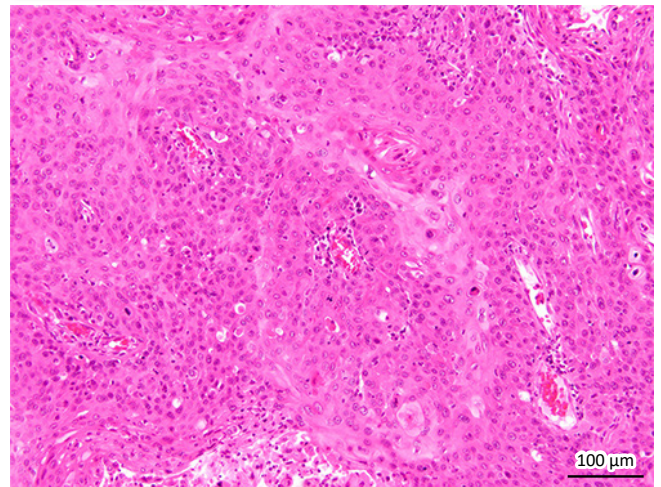
## 形態学的所見

## HE染色像

## F-PDO®

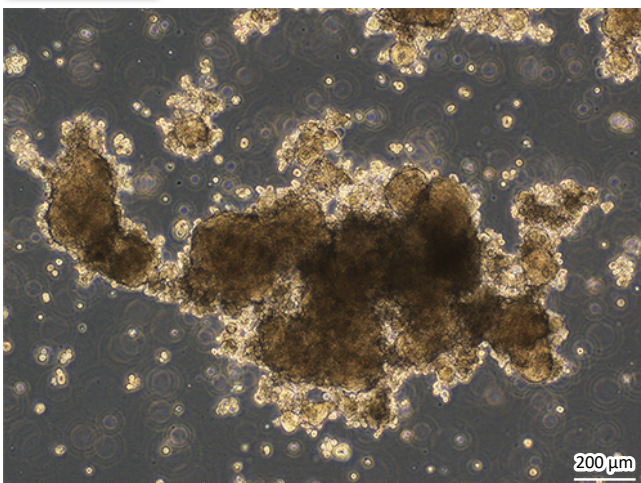


## 元腫瘍



## 位相差像

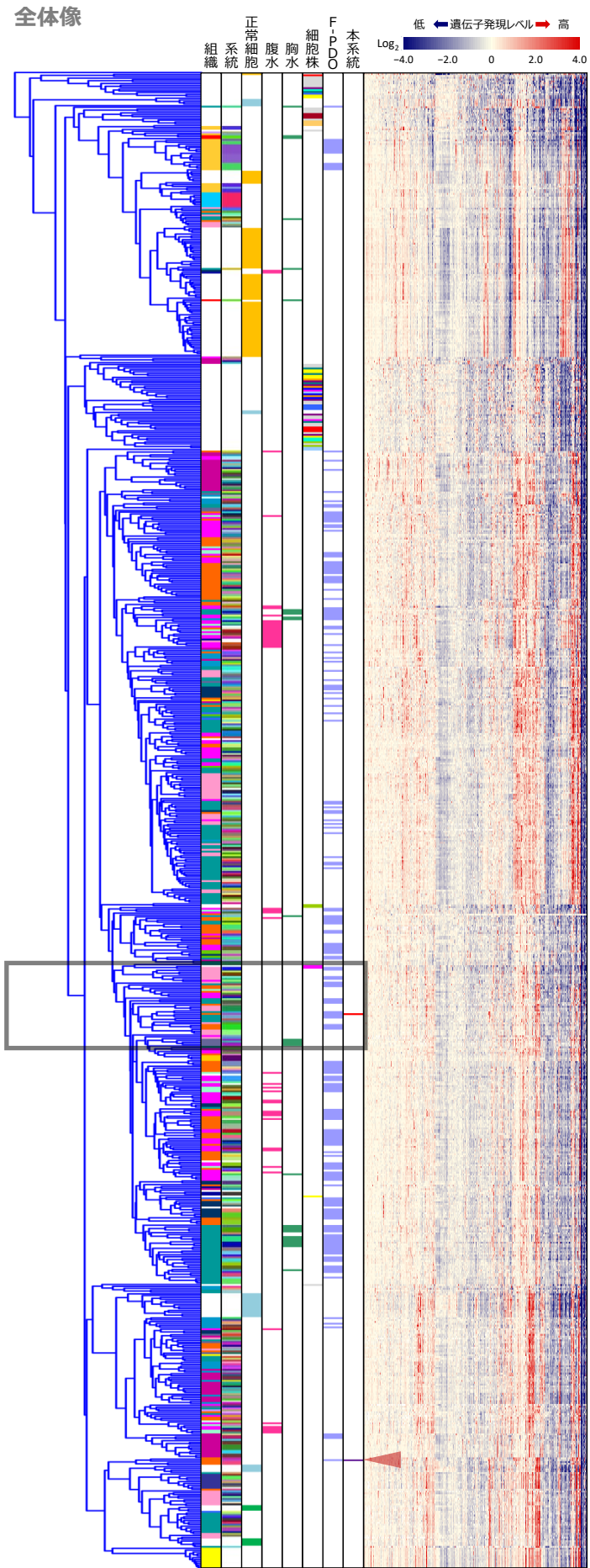
## F-PDO®



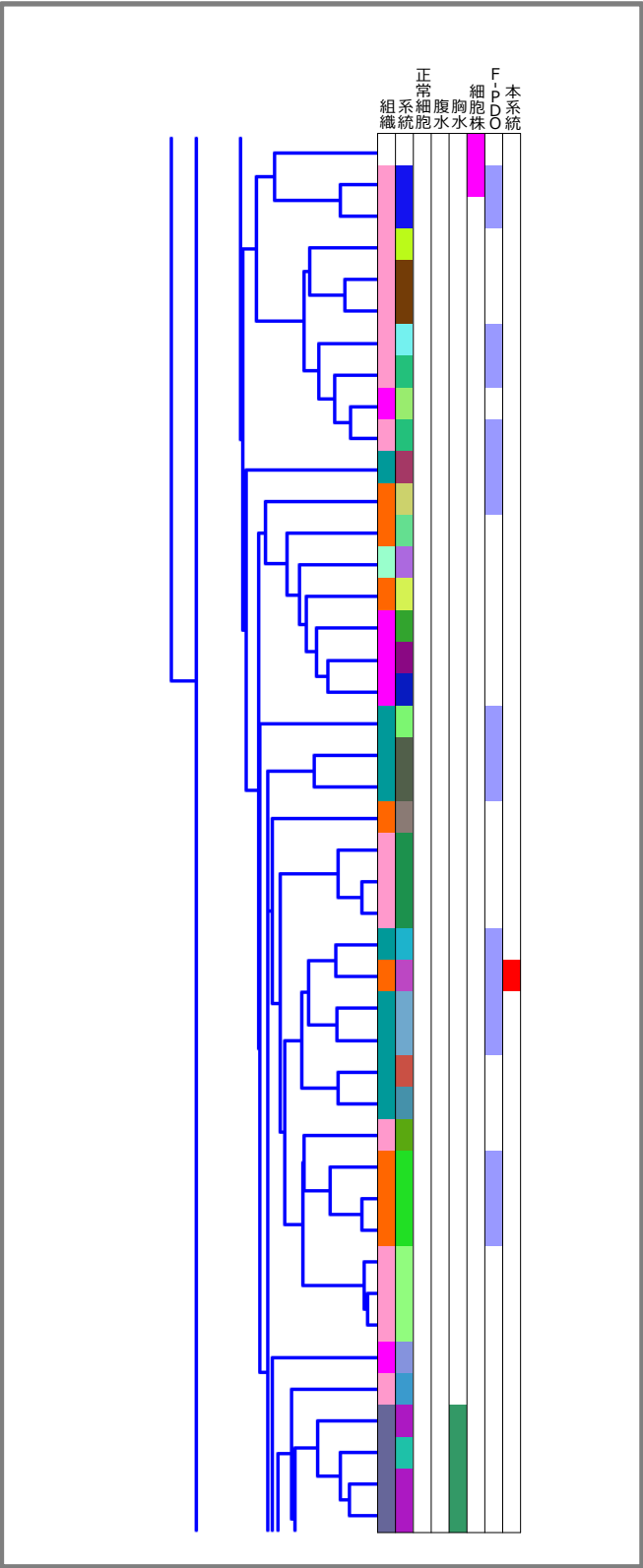
網羅的遺伝子発現解析 (クラスタ分析) による評価

- 【 組織 】
- 乳房 子宮 卵巣 肺 胸腺 胸膜 胃 大腸 胆嚢 白血球 皮膚 前立腺 腹膜・後腹膜 胸水 骨・軟部組織
- 腹水 脳 骨髄 脾臓 腎臓
- 【 系統 】
- 元の腫瘍が同じサンプルを同一色で表示
- 【 細胞株 】
- 乳房 卵巣 子宮 食道 胃 脾臓 大腸 肺 肝臓 腎臓 前立腺 リンパ球 骨髄 レファレンス
- 【 F-PDO 】
- 【 本系統 】
- RCER002-2 RCER002-2 の元の腫瘍サンプル
- 【 正常細胞 】
- 固形組織系 1 固形組織系 2 PBMC
- 【 腹水 】
- 【 胸水 】

全体像



拡大図



発現変動が大きい遺伝子群 (2,135 transcripts)

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. | PDO | Pt. | PDO |              | Pt. | PDO |         | Pt. | PDO |          | Pt. | PDO |          | Pt. | PDO |         | Pt. | PDO |
| 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  |     |     |
| CTNNB1   |     |     |     |     | 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   |     |     | IKBK     |     |     | 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

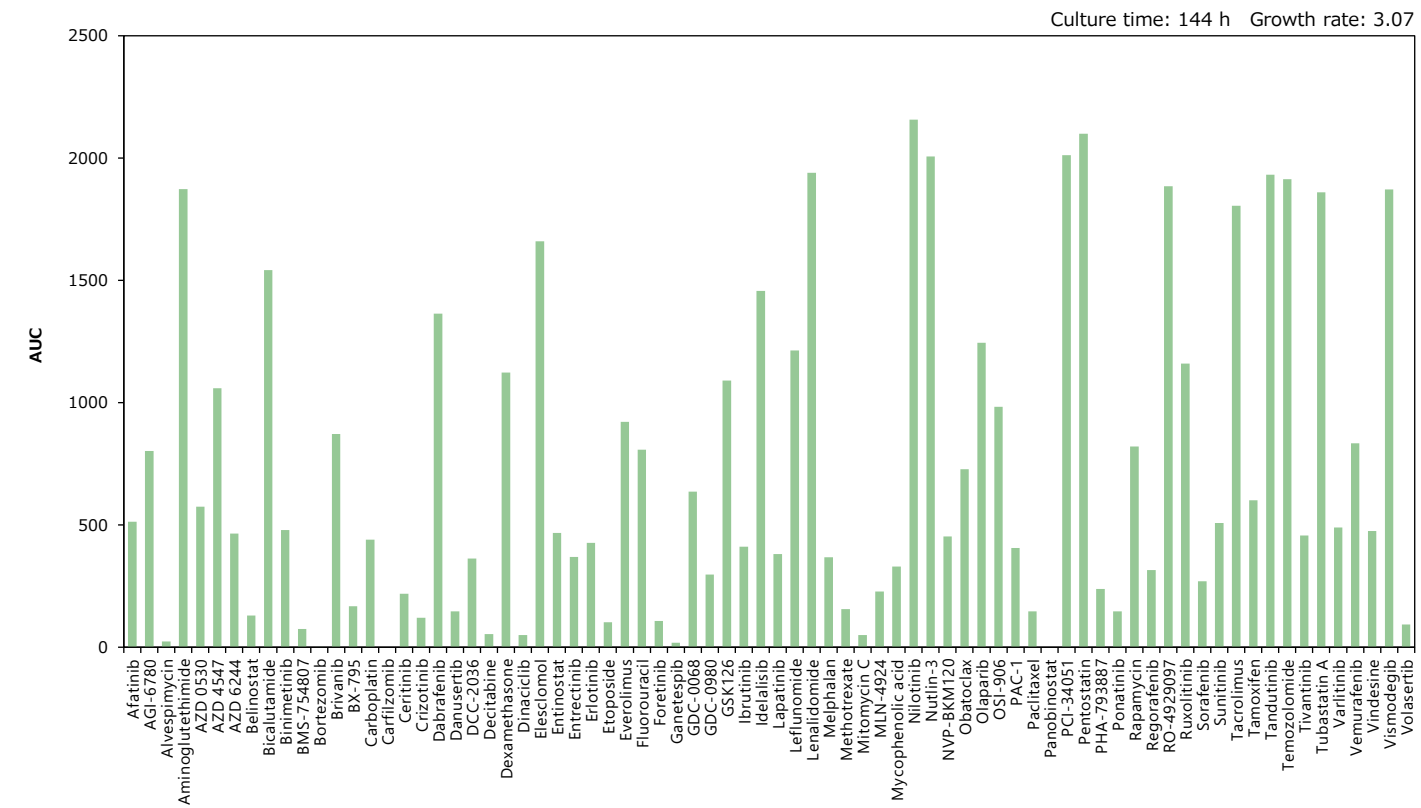
臨床情報

F\_PDO\_000058

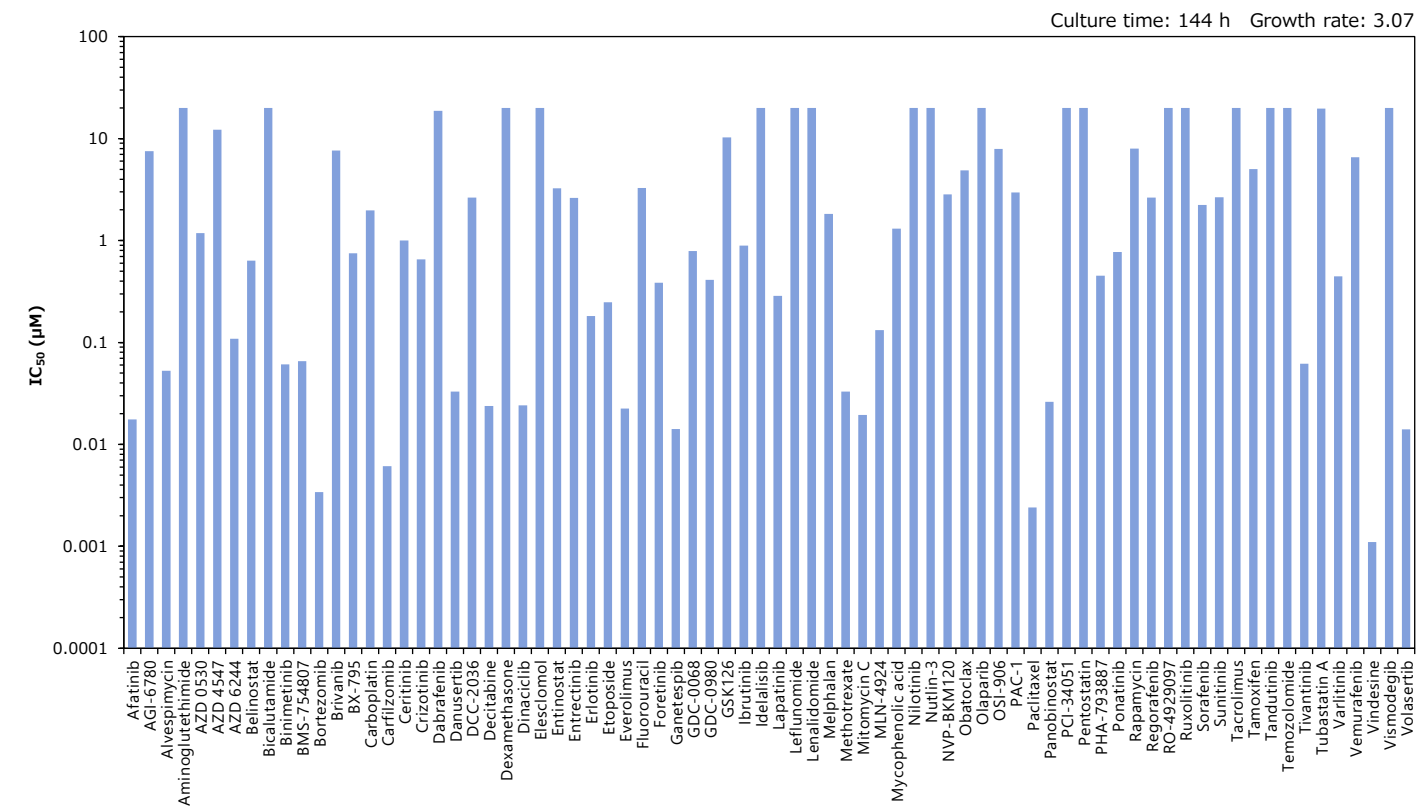
|                |               |        |         |         |      |
|----------------|---------------|--------|---------|---------|------|
| 臨床情報シート区分      |               | 子宮頸部腫瘍 |         |         |      |
| 性 別            | 女             | 年 齢    | 40 歳    | 採 取 部 位 | 子宮頸部 |
| 診 断 名          | 臓器分類: 子宮頸部 UC |        |         |         |      |
|                | 病理診断名         |        | 診断コード   |         |      |
|                | 角化型扁平上皮がん     |        | UC2.2.1 |         |      |
| 病 期 分 類        | 原発腫瘍 (T)      | T1     | (T1b1 ) |         |      |
|                | 所属リンパ節 (N)    | N0     |         |         |      |
|                | 遠隔転移 (M)      | M0     |         |         |      |
|                | ステージ          | I      | (IB1 )  |         |      |
| 手 術・病 理<br>所 見 | リンパ管侵襲 (ly)   | 陰性(-)  |         |         |      |
|                | 静脈侵襲 (v)      | 陰性(-)  |         |         |      |
| 免疫組織学的<br>検 査  |               |        |         |         |      |
| 既 往 歴          |               |        |         |         |      |
| 放射線療法歴         |               |        |         |         |      |
| 薬剤治療歴          |               |        |         |         |      |
| 喫 煙 歴          | あり (現役)       |        |         |         |      |
| 飲 酒 歴          | なし            |        |         |         |      |
| 特 記 事 項        |               |        |         |         |      |

薬剤感受性試験データ

■ 用量応答曲線下面積 (AUC)



■ 50%阻害濃度 (IC<sub>50</sub>)



GEP

SNV

CNV

HLA

DST

## 基本属性

## F-PDO®

培養形態 浮遊

倍加時間 4-7 日

培地 Cancer Cell Expansion Media plus

異種移植 生着

## 培養サンプル

採取部位 原発巣 (子宮頸部)

性別 女性

年齢 34 歳

入手先 日本

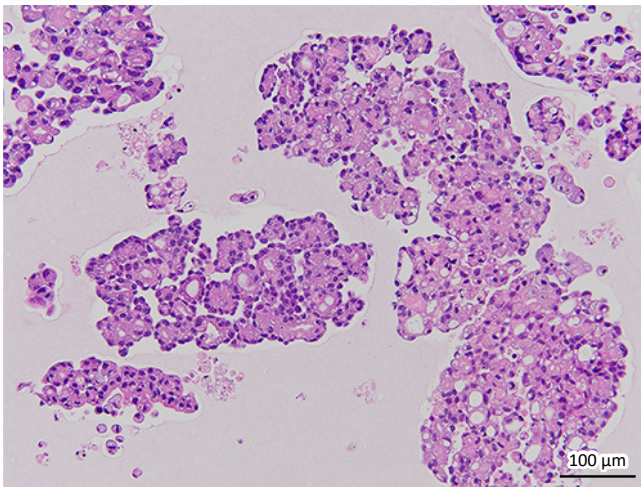
病理組織所見 胃型粘液性がん

F-PDX系統 DCER012 (F\_PDX\_000140)

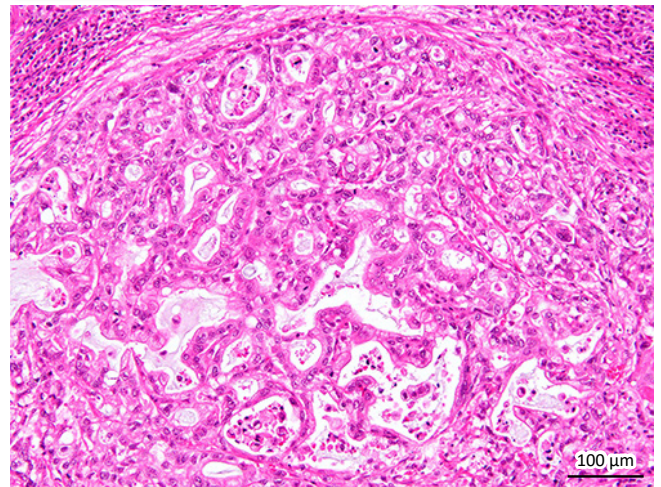
## 形態学的所見

## HE染色像

## F-PDO®

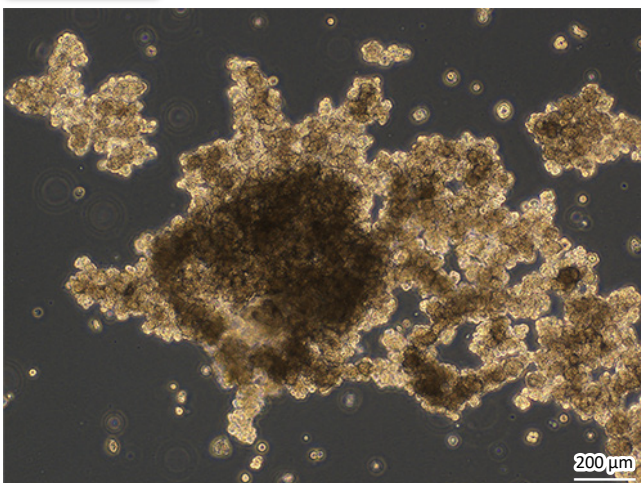


## 元腫瘍



## 位相差像

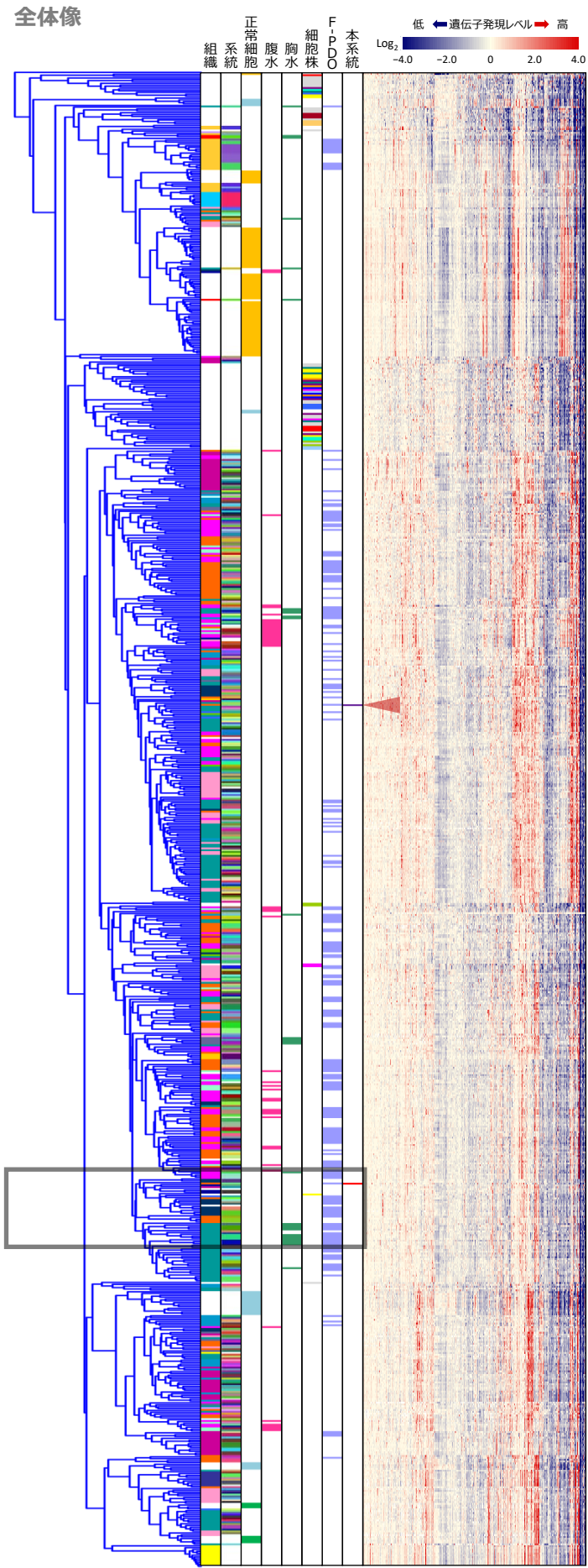
## F-PDO®



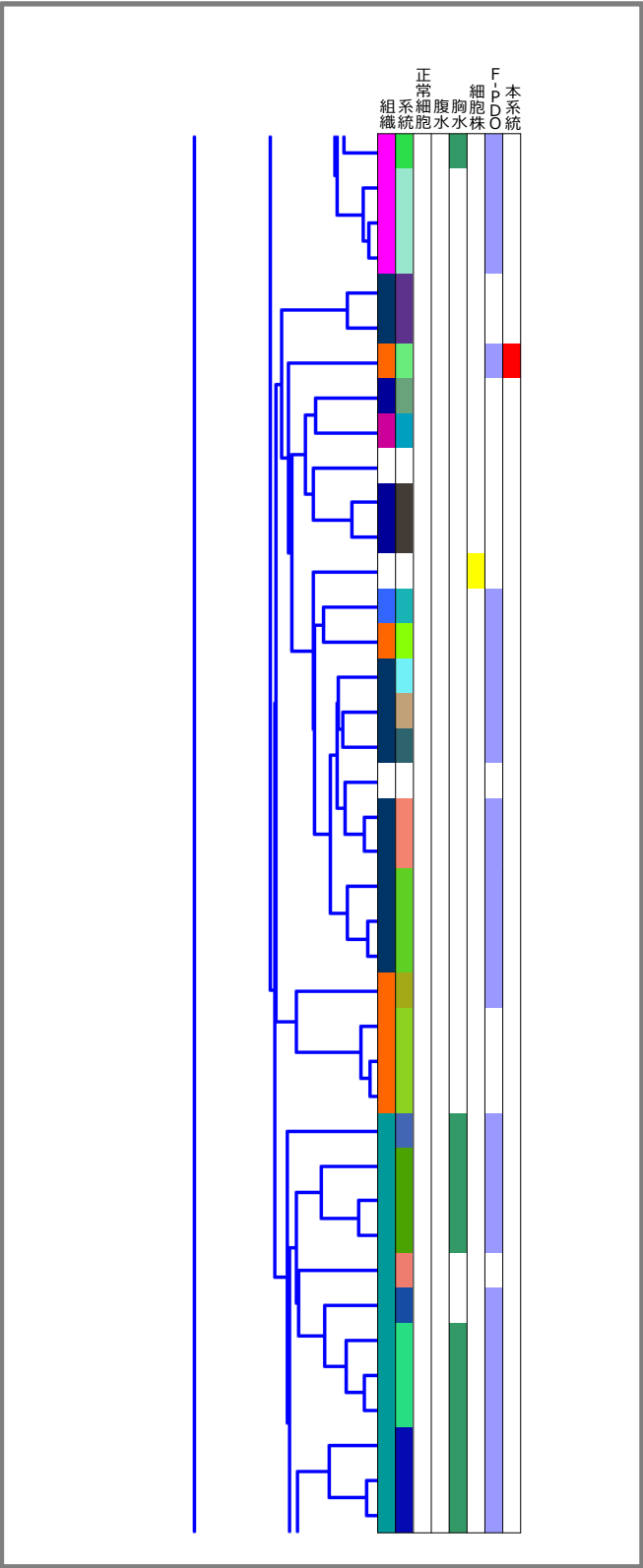
網羅的遺伝子発現解析 (クラスタ分析) による評価

- 【 組織 】
- 乳房 子宮 卵巣 肺 胸腺 胸膜 胃 大腸 胆嚢 白血球 皮膚 前立腺 腹膜・後腹膜 胸水 骨・軟部組織
- 腹水 脳 骨髄 脾臓 腎臓
- 【 系統 】
- 元の腫瘍が同じサンプルを同一色で表示
- 【 細胞株 】
- 乳房 卵巣 子宮 食道 胃 脾臓 大腸 肺 肝臓 腎臓 前立腺 リンパ球 骨髄 レファレンス
- 【 F-PDO 】
- 【 本系統 】
- RCER003-2 RCER003-2 の元の腫瘍サンプル
- 【 正常細胞 】
- 固形組織系 1 固形組織系 2 PBMC
- 【 腹水 】
- 【 胸水 】

全体像



拡大図



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. | PDO | Pt. | PDO |              | Pt. | PDO |         | Pt. | PDO |          | Pt. | PDO |          | Pt. | PDO |         | Pt. | PDO |
| 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   |     |     |
| CNE1     |     |     |     |     | 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  |     |     |
| CTNNB1   |     |     |     |     | 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  |     |     |
| NTRK1    |     |     |     |     | 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

◆ Inframe Indel

▼ Stop Loss

◆ Frameshift Indel

♥ Nonsense

● Other

★ Fusion

✚ ITD

✳ 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

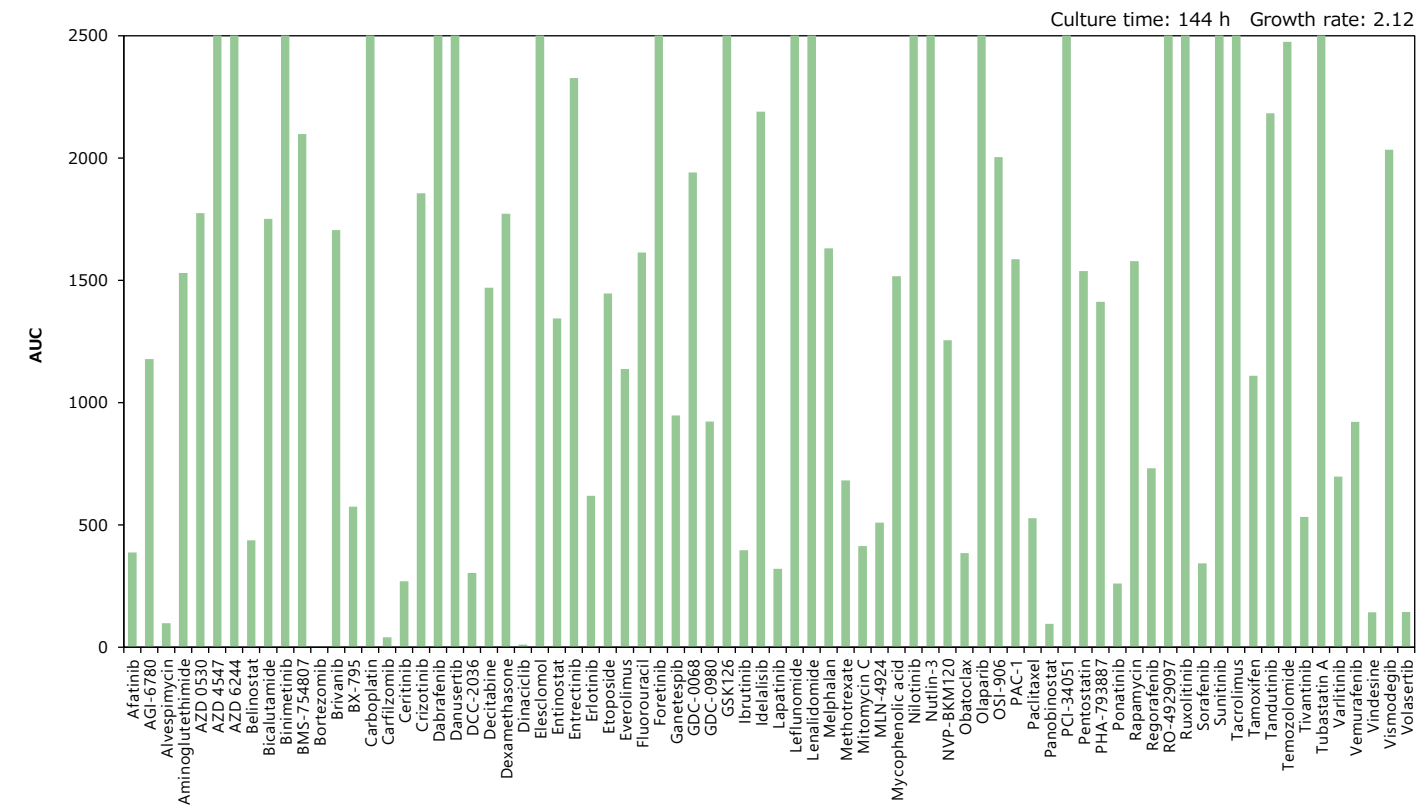
## 臨床情報

F\_PDO\_000060

| 臨床情報シート区分      |                                                                        | 子宮頸部腫瘍 |      |         |      |
|----------------|------------------------------------------------------------------------|--------|------|---------|------|
| 性 別            | 女                                                                      | 年 齢    | 34 歳 | 採 取 部 位 | 子宮頸部 |
| 診 断 名          | 臓器分類: 子宮頸部 UC<br>病理診断名 診断コード<br>胃型粘液性がん UC4.2.1.6                      |        |      |         |      |
| 病 期 分 類        | 原発腫瘍 (T) T2 (T2b )<br>所属リンパ節 (N) N1<br>遠隔転移 (M) M0<br>ステージ II (IIB )   |        |      |         |      |
| 手 術・病 理<br>所 見 | 静脈侵襲 (v) 陽性(+) (高度) 臍断端 陰性(-)<br>腹水/腹腔洗浄液 CLASS V 異型細胞あり<br>腔壁浸潤 陽性(+) |        |      |         |      |
| 免疫組織学的<br>検 査  | Alcian blue 染色 稀に陽性 (腹水)                                               |        |      |         |      |
| 既 往 歴          |                                                                        |        |      |         |      |
| 放射線療法歴         |                                                                        |        |      |         |      |
| 薬剤治療歴          |                                                                        |        |      |         |      |
| 喫 煙 歴          | なし                                                                     |        |      |         |      |
| 飲 酒 歴          | あり                                                                     |        |      |         |      |
| 特 記 事 項        |                                                                        |        |      |         |      |

薬剤感受性試験データ

■ 用量応答曲線下面積 (AUC)



■ 50%阻害濃度 (IC<sub>50</sub>)

