

| sample          | cancer type abbreviation | histological_type                                |
|-----------------|--------------------------|--------------------------------------------------|
| TCGA-2J-AAB1-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-2J-AAB4-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-2J-AAB6-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AAB8-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AAB9-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABA-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABE-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABF-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABH-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-2J-AABI-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-2J-AABK-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABO-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABP-01 | PAAD                     | Pancreas-Undifferentiated Carcinoma              |
| TCGA-2J-AABR-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABT-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABU-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2J-AABV-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2L-AAQA-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2L-AAQE-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2L-AAQI-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2L-AAQJ-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2L-AAQL-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-2L-AAQM-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-3A-A9I5-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9I7-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9I9-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9IB-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9IC-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9IH-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9IJ-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-3A-A9IL-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-3A-A9IN-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-3A-A9IO-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-3A-A9IR-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-3A-A9IS-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-3A-A9IU-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9IV-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-3A-A9IX-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9IZ-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3A-A9J0-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3E-AAAY-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-3E-AAAZ-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-F2-6879-01 | PAAD                     | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-F2-6880-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-F2-7273-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-F2-7276-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-F2-A44G-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-F2-A44H-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-F2-A7TX-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-F2-A8YN-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-A4P5-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-A4P6-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-A545-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-A5VM-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-A78T-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-A7DR-01 | PAAD                     | Pancreas-Colloid (mucinous non-cystic) Carcinoma |
| TCGA-FB-AAPP-01 | PAAD                     | Pancreas-Adenocarcinoma Ductal Type              |

|                 |      |                                                  |
|-----------------|------|--------------------------------------------------|
| TCGA-FB-AAPQ-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAPS-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAPU-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAPY-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAPZ-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAQ0-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAQ1-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAQ2-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAQ3-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FB-AAQ6-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5919-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5919-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5920-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5920-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5921-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5922-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5922-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5923-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5923-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5924-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5924-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5926-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-FZ-5926-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-H6-8124-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-H6-8124-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-H6-A45N-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-H6-A45N-11 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-H8-A6C1-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-HV-A5A3-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HV-A5A3-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HV-A5A4-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HV-A5A5-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HV-A5A6-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HV-A7OL-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HV-A7OP-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-HV-AA8V-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HV-AA8X-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-7289-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-HZ-7918-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-7919-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-7920-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-7922-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-7923-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-7924-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-7925-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-7926-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8001-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8002-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8003-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8005-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8315-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8317-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8519-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-HZ-8636-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8637-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-8638-01 | PAAD | Pancreas-Colloid (mucinous non-cystic) Carcinoma |
| TCGA-HZ-A49G-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-A49H-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |

|                 |      |                                                  |
|-----------------|------|--------------------------------------------------|
| TCGA-HZ-A49I-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-A4BH-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-A4BK-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-HZ-A77O-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-A77P-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-HZ-A77Q-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-HZ-A8P0-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-A8P1-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-HZ-A9TJ-06 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-HZ-A9TJ-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-IB-7644-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7645-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7646-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7647-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7649-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7651-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7652-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7654-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7885-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7886-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7887-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7888-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7889-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7890-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7891-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7893-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-7897-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-8126-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-8127-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A5SO-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A5SP-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A5SQ-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A5SS-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A5ST-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A6UF-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A6UG-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A7LX-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-A7M4-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUM-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUN-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUO-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUP-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUQ-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUR-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUS-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUT-01 | PAAD | Pancreas-Colloid (mucinous non-cystic) Carcinoma |
| TCGA-IB-AAUU-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUV-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-IB-AAUW-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-L1-A7W4-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-LB-A7SX-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-LB-A8F3-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-LB-A9Q5-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-M8-A5N4-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-OE-A75W-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-PZ-A5RE-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-Q3-A5QY-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-Q3-AA2A-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |

|                 |      |                                                  |
|-----------------|------|--------------------------------------------------|
| TCGA-RB-A7B8-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-RB-AA9M-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-RL-AAAS-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-S4-A8RM-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-S4-A8RO-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-S4-A8RP-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-US-A774-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-US-A776-01 | PAAD | Pancreas-Colloid (mucinous non-cystic) Carcinoma |
| TCGA-US-A779-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-US-A77E-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-US-A77G-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-US-A77J-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-XD-AAUG-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-XD-AAUH-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-XD-AAUI-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-XD-AAUL-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-XN-A8T3-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-XN-A8T5-01 | PAAD | Pancreas-Adenocarcinoma-Other Subtype            |
| TCGA-YB-A89D-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-YB-A89D-11 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-YH-A8SY-01 | PAAD | [Discrepancy]                                    |
| TCGA-YY-A8LH-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |
| TCGA-Z5-AAPL-01 | PAAD | Pancreas-Adenocarcinoma Ductal Type              |