

Supplemental information for ‘Systematic identification of personal tumor-specific neoantigens in chronic lymphocytic leukemia’

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A. Supplemental Methods

HLA typing of patient samples

For a subset of patients, HLA typing was performed by either molecular or serological typing (Tissue Typing Laboratory, Brigham and Women's Hospital, Boston, MA).

Generation of dendritic cells

Autologous dendritic cells (DCs) were generated from immunomagnetically-isolated CD14⁺ cells (Miltenyi, Auburn CA). On day six, cells were exposed to 30µg/ml Poly I:C (Sigma Aldrich, St Louis, MO) to undergo maturation (for 48 hours).

Analysis of CLL gene expression

We reanalyzed previously reported microarray data (NCI Gene Expression Omnibus accession [GSE37168](#)). Affymetrix CEL files were processed using the affy package in R. The Robust Multichip Analysis (RMA) algorithm was used for background correction which models the observed intensities as a mixture of exponentially distributed signal and normally distributed noise. This was followed by quantile normalization across arrays to facilitate comparison of gene expression under different conditions. The individual probe-level was finally summarized using the median polish approach to get robust probeset-level values.^{1,2} Gene-level values were obtained by selecting the probe with the maximal average expression for each gene. Batch effects in the data were removed by using the Combat program.³ For *FNDC3B* real time PCR, 2 µl of cDNA was amplified with 1 µl of custom *FNDC3B* primer mix and 10 µl of Taqman Fast Universal PCR Master Mix (Applied Biosystems, Foster City, CA) in a total volume of 20 µl.

The PCR amplification conditions were: 95°C for 20 minutes × 1 cycle, and 40 cycles of 95°C for 3 seconds followed by 60°C for 30 seconds (7500 Fast Real-time PCR cycler; Applied Biosystems, Foster City, CA). Test transcripts were quantified relative to *S18* ribosomal RNA transcripts by calculating $2^{-(S18 \text{ rRNA CT} - \text{target CT})}$ as described previously.

Sources of antigen and the generation of antigen-specific T cells from patient PBMCs

Peptides were synthesized to >95% purity (confirmed by high performance liquid chromatography) (New England Peptide Gardner, MA; or RS Synthesis, Louisville, KY). Peptides were reconstituted in DMSO (10 mg/ml) and stored at -80°C until use. For T cell stimulations, peptides with similar experimental binding scores were combined within the same pool. Minigenes comprised of a sequence of 300 bp encompassing mut or wt *FNDC3B* were PCR-cloned from Pt 2's tumor into the expression vector pcDNA3.1 using the following primers: 5' primer: GACGTCGGATCCCACCATGGGTCCCGGAATTAAGAAAACAGAG; 3' primer: CCCGGGGCGGCCGCCTAATGGTGATGGTGATGGTGACATTCTAATTCTTCTCCACTGTAAA. Minigenes were expressed in antigen-presenting target cells by introducing 20 µg of the plasmid into 2 million K562 cells (ATCC) stably transfected with HLA-A2 by Amaxa nucleofection (Solution V, Program T16, Lonza Inc; Walkersville, MD). Cells were incubated in RPMI media (Cellgro; Manassas, VA), supplemented with 10% fetal bovine serum (FBS) (Cellgro), 1% HEPES buffer (Cellgro), and 1% L-glutamine (Cellgro). The cells were harvested 2 days following nucleofection for immune assays.

IFN- γ ELISPOT assay

IFN- γ release was detected using test and control peptide-pulsed CD40L-activated B cells or CD40L-activated autologous tumor (2×10^5 cells/well) co-incubated with 2×10^5 CD8⁺ T cells/well on ELISPOT plate as previously described.⁴⁻⁶ To test T cell reactivity dependence on MHC class I, ELISPOT plates were first coated with APCs co-incubated with class I blocking antibody (W6/32) for 2 hours at 37°C, prior to introduction of T cells into the wells. MHC class I tetramer was used to test specificity of T cells where indicated (NIH Tetramer Core, Emory University, Atlanta GA) as previously described.⁴ Secretion of GM-CSF and IL-2 from cultured CD8⁺ T cells was detected by analysis of culture supernatants using a Luminex multiplex bead-based technology, per the manufacturer's recommendations (EMD Millipore, Billerica, MA).

CD107a degranulation assay

Mut-*FNDC3B* reactive T cells (effectors) were stimulated with autologous tumor or B cells (targets) at an E:T ratio of 4:1 for 4 hrs at 37°C in the presence of anti-human CD107a-FITC antibody. Subsequently, the cells were incubated with first mut-*FNDC3B* tetramer-PE for 20 minutes, and then with anti- CD8-V500 (BD Biosciences, San Jose, CA) for 15minutes. Cells were washed with PBS containing 1% FCS and measured by flow cytometry with relevant controls.

Luminex assay

Fluorescent-labeled microspheres were coated with specific cytokine capture antibodies. After incubation with the culture supernatant sample, captured cytokines were detected by a biotinylated detection antibody followed by a streptavidin-PE conjugate and median fluorescence

intensity (MFI) was measured (Luminex 200 Bead Array instrument; Luminex Corporation, Austin TX). Based on a standard curve, cytokine levels were calculated in the Bead View Software program (Upstate, EMD Millipore, Billerica, MA).

Detection and quantitation of TCR V β clonotypes

For detection and quantitation of TCR V β clonotypes, *mut-FNDC3B* specific T cells were enriched from Pt 2's T cell lines using the IFN- γ secretion assay (Miltenyi, Auburn, CA) according to the manufacturer's instructions and as previously described⁷. To detect *mut-FNDC3B* specific TCR V β , we performed a two-step nested PCR from peptide-specific IFN- γ enriched T cell populations as previously described.⁷ In short, we identified the dominant V β subfamily among 24 known V β subfamilies (table S6). First, we generated 5 pools of V β forward primers (pool 1: V β 1–5.1; pool 2: V β 5.2–9; pool 3: V β 10–13.2; pool 4: V β 14–19; and pool 5: V β 20, 22–25). RNA extracted from the T cell clones (QIAamp RNA Blood Mini-kit; Qiagen, Valencia, CA), was reverse transcribed into cDNA (Superscript, GIBCO BRL, Gaithersburg, MD) using random hexamers, and PCR-amplified in five separate 20 μ l volume reactions. Second, T cell clone-derived cDNA was re-amplified, with each of the 5 individual primers contained within a positive pool together with a FAM-conjugated C β reverse (internal) primer. Subsequently, 4 μ l of this PCR product was amplified with 1 μ l of the clone CDR3 region-specific primer and probe, and 10 μ l of Taqman Fast Universal PCR Master Mix (Applied Biosystems, Foster City, CA) in a total volume of 20 μ l. The Taqman PCR conditions and quantification of products was performed as described above (analysis of gene expression).

Detection of molecular tumor burden

The clonotypic IgH sequence of Pt 2 was identified using a panel of VH-specific PCR primers, as previously described.⁸ Based on this sequence, a quantitative Taqman PCR assay was designed such that a sequence-specific probe was located in the region of junctional diversity (Applied Biosystems; Foster City, CA). This Taqman assay was applied to cDNA from tumor. All PCR reactions consisted of: 50°C for 1 minute x1 cycle, 95°C for 10 minutes x1 cycle, and 40 cycles of 95°C for 15 seconds followed by 60°C for 1 minute. All reactions were performed using a 7500 Fast Real-time PCR cycler (Applied Biosystems, Foster City, CA). Test transcripts were quantified relative to GAPDH.

HLA typing from exome capture data

We sought to develop a method that would enable HLA typing of HLA -A, -B and -C alleles of individuals using capture data. We constructed a dedicated sequence library consisting of all known HLA alleles (6597 unique entries), based on the IMGT database. From this resource, a secondary library of 38-mers was generated, and putative reads emanating from the HLA locus were extracted from total sequence reads based on perfect matches against it. The extracted reads were then aligned to the IMGT-based HLA sequence library using the Novoalign software (<http://novocraft.com>), and HLA alleles were inferred through a two-stage likelihood calculation. In the first stage, population-based frequencies were used as priors for each allele and the posterior likelihoods were calculated based on quality and insert size distributions of aligned reads. Alleles with the highest likelihoods for each of HLA-A, B and C genes were identified as the first set of alleles. A heuristic weighting strategy of the computed likelihoods in conjunction with the first set of winners were then used to identify the second set of alleles.⁹

B. Supplemental Figures

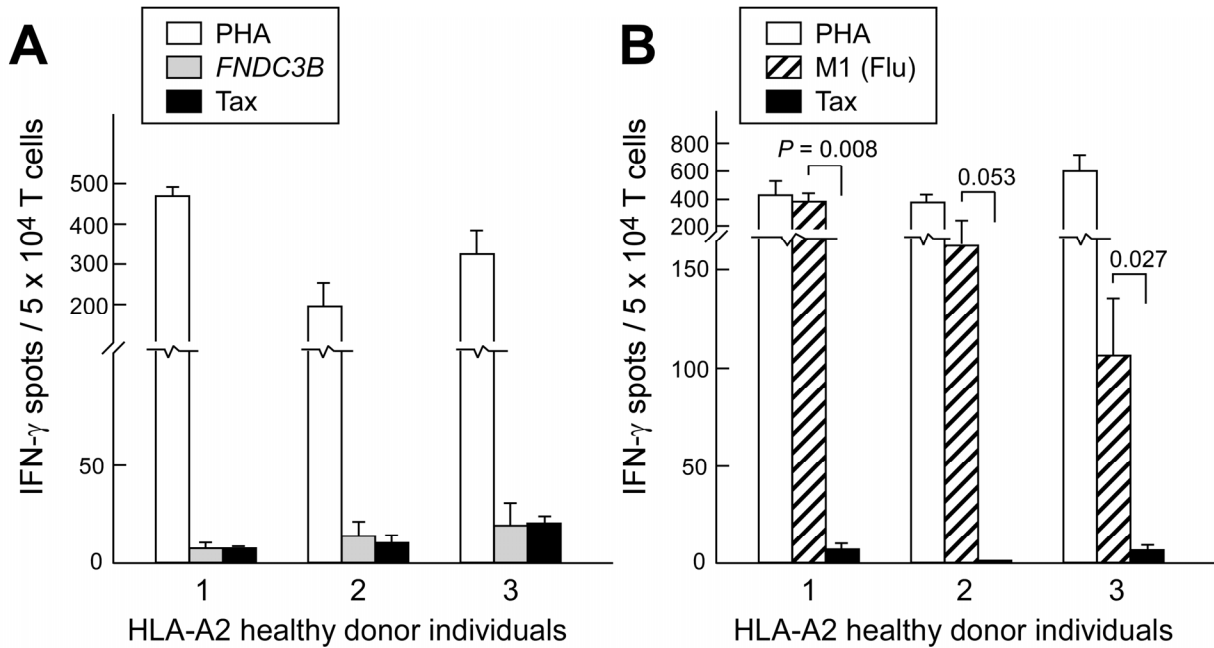


Figure S1. Mut-*FNDC3B* does not generate T cell responses in HLA-A*02:01 adult volunteers. T cells from 3 HLA-A*02:01 adult volunteers were stimulated with autologous DCs or B cells pulsed with either mut-*FNDC3B* or M1 (Flu) peptides for up to 4 weeks *ex vivo*. IFN- γ secretion (A) was not detected against mut-*FNDC3B* by ELISPOT assay but (B) was detected against M1 peptide (2-sided Welch t-test).

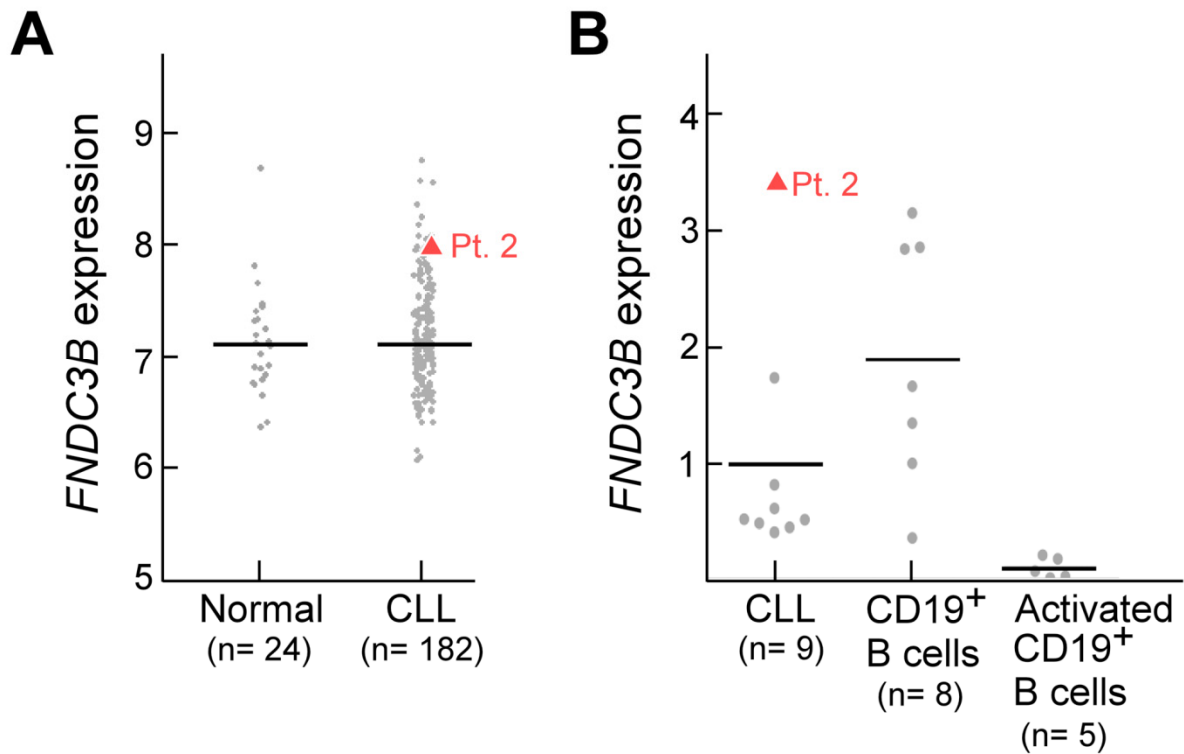


Figure S2. *FNDC3B* gene expression is higher in Pt 2 CLL cells. Expression of *FNDC3B* based on (A) Affymetrix U133Plus2 array data in Pt 2 (triangle), CLL-B cells (n=182) and normal CD19⁺ B cells from healthy adult volunteers (n=24) and (B) Taqman PCR of cDNA from Pt 2, CLL-B cells (n=8) and normal CD19⁺ cells (resting and CD40L- activated) from healthy adult volunteers (relative expression to *S18* ribosomal RNA is shown).

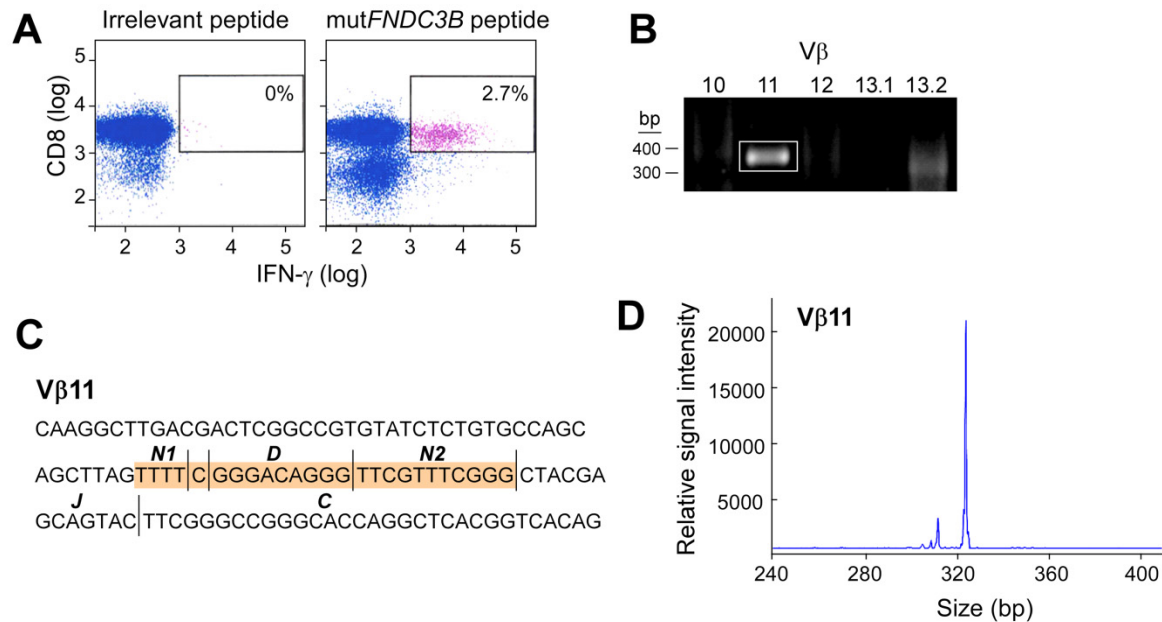


Figure S3. Design of mut-FNDC3B specific TCR V β specific primers in Pt 2. (A) Mut-FNDC3B specific T cells detected and isolated from Pt 2 PBMCs 6 months following HSCT using an IFN- γ catch assay. (B) RNA from FNDC3B-reactive T cells expressed TCR V β 11, generating an amplicon of 350bp in length (See Table S 6, Supplemental Methods). (C) V β 11-specific real time primers were designed based on the sequence of the mut-FNDC3B clone-specific CDR3 rearrangement, such that the quantitative PCR probe was positioned in the region of junctional diversity (orange). (D) FNDC3B-reactive T cells were monoclonal for V β 11, as detected by spectratyping.⁷

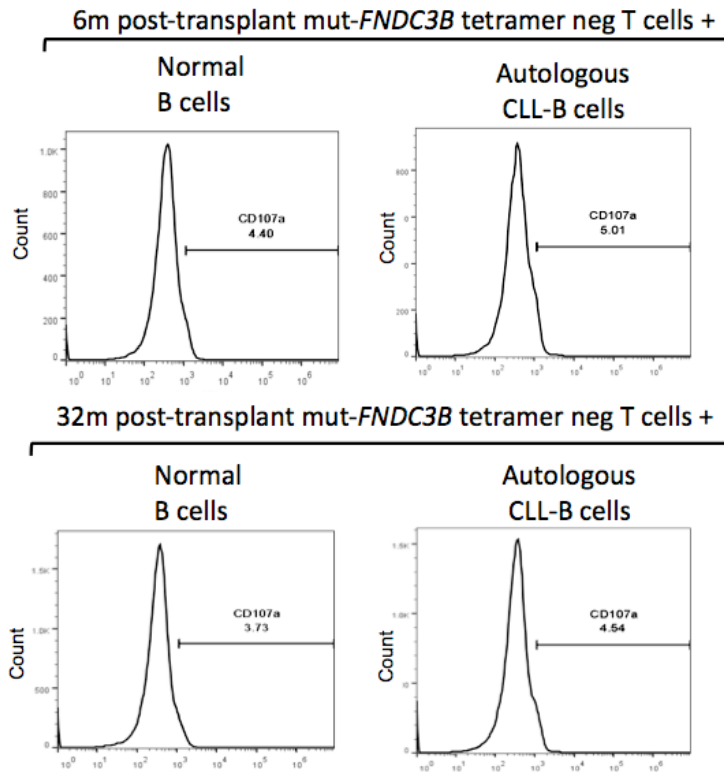


Figure S4. Absence of CD107a expression in mut-*FNDC3B* tetramer-negative CD8⁺ T cells against Patient 2 tumor. Following mut-*FNDC3B* peptide mediated stimulations of 6 and 32m CD8⁺ T cells, mut-*FNDC3B* tetramer-positive CD8⁺ T cells were reactive to Pt 2 tumor (See **Figure 6B**). In contrast, tetramer-negative cells shown here do not demonstrate increase in CD107a expression on T cells when stimulated against recipient tumor, consistent with lack of alloreactivity.

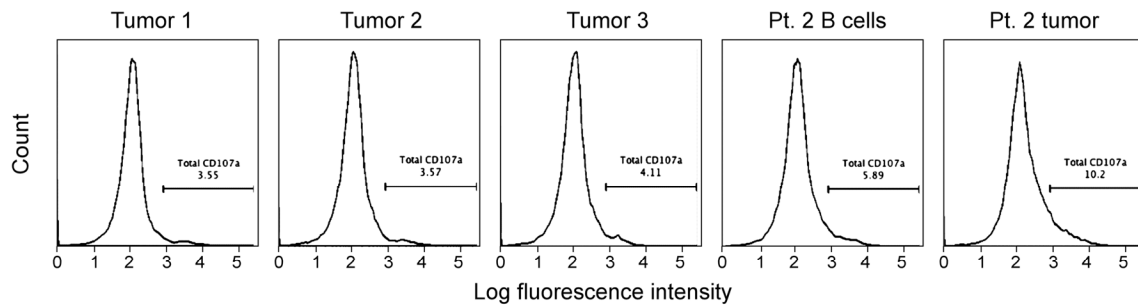
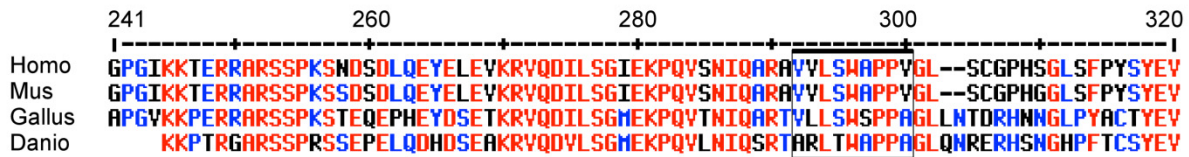
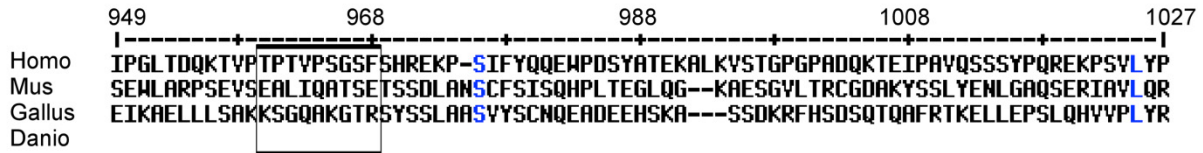


Figure S5. Absence of degranulation of mut-*FNDC3B* T cells from Pt 2 in the presence of matched HLA-A*02:01 unrelated CLL cells. *Mut-FNDC3B* peptide stimulated T cells specifically recognized Pt 2 tumor when compared to donor-engrafted normal-B cells and HLA-A*02:01 matched tumors (N=3). X-axis indicates the percentage of CD107a expression in total CD8 T cells.

FNDC3B -VVLSWAPPV



ALMS1 -TPTVPSGSF



C6ORF89 -MPIEPGDIGY

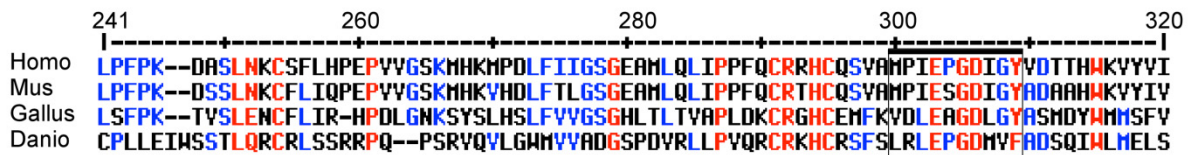
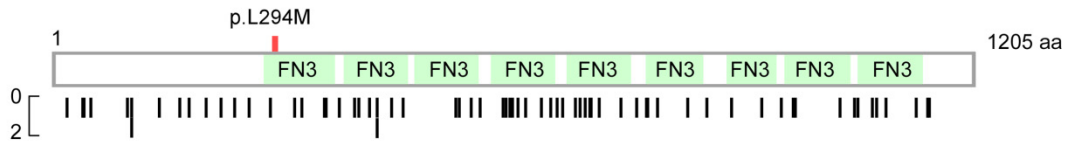
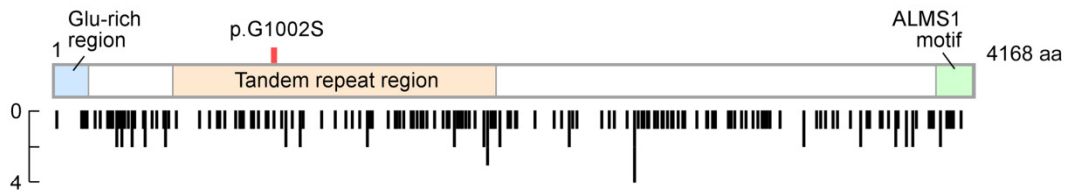


Figure S6. The sequence context around the sites of mutations in *FNDC3B*, *C6orf89* and *ALMS1* lack evolutionary conservation. The neoepitopes generated from each of the genes are boxed. Red- conserved amino acids (aa) in all 4 species; blue- conserved aa in at least 2 species; black –absent conservation or conversation in at least 2 species.

FNDC3B



ALMS1



C6ORF89



Legend:

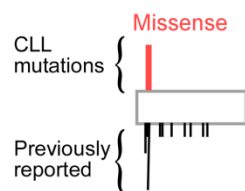


Figure S7. Localization of somatic mutations reported in *FNDC3B*, *C6orf89* and *ALMS1* genes. Missense mutations identified in *FNDC3B*, *C6orf89* and *ALMS1* in CLL Pts 1 and 2 compared to previously reported somatic mutations in these genes (COSMIC database) across cancers.¹⁰

C. Supplemental Tables

Table S1. The numbers and affinity distributions of peptides predicted from 31 CLL cases with available HLA typing. Patients expressing the 8 most common HLA -A, -B alleles in the Caucasian population are marked in grey.

Pts (f)	HLA -A alleles				HLA -B alleles				Uncommon alleles	# of predicted neopeptides	
	*01:01	*02:01	*24:02	*03:01	*07:02	*08:01	*15:01	*38:01		<150 (nM)	150-500 (nM)
P46										10	12
P91										17	20
P32									B*44:02	13	6
P60									A*68:01	14	19
P5									A*32:01; B*44:02	6	15
P88									A*29:02; B*44:03	17	25
P7									B*35:01; *57:01	8	12
P8									A*31:01; B*14:02	6	8
P14									B*51:01; *62 :01	5	4
P28									A*26:01; B*48:01	10	6
P34									B*18:01; *39:06	5	7
P35									B*51:01	11	13
P37									A*03:02; B*44:03	2	4
P49									A*11:01; B*35:03	25	29
P42									A*26:01; B *35:02	10	18
P66									A*23:01; B*49:01	4	8
P82									A*26:01; B*35:08	13	29
P83									B*06:01; *04:01	5	2
P87									A*26:01; *31:01	24	29
P47									A*11:01; B*51:01	10	9
P48									A*11:01; B*51:01	13	17
P16									A*11:01 ; B*44:02; *51:01	13	12
P36									A*68:01; B*14:02	3	5
P39									A *32:01; B*35:01; *44:01	40	41
P53									A*26:01; B *35:01	13	11
P73									A*31:01; *68:01; B*49:01	18	13
P90									A*29:02; B*45:01; *55:01	3	7
P45									A*68:02; B*44:02; *15:03	5	5
P1									A*11:01; *23:01; B*35:01; *51:01	7	17
P40									A*11:01; *32:01; B*40:01; *44:03	14	18
P41									A*29:03; *32:01; B*44:03	10	8

Table S2. Predicted and experimental HLA-binding results of candidate neopeptides generated from 4 CLL cases. Experimental binding was not available for A*68:12. However, A*68:01 and A*68:12 have identical primary structures in the B and F main peptide binding pockets, and have been predicted to have similar binding specificity ¹¹ and hence, A*68:01 was used to test binding of A6812 predicted peptides.

Pt	Gene	Sequence	Length	HLA allele	Candidate neopeptides IC50 (nM)	
					Predicted	Experimental
1	<i>THOC6</i>	ELWCRQPPYR	10	A*33:01	10	18
1	<i>THOC6</i>	ELWCRQPPYR	10	A*68:12	59	5.1
1	<i>CDC25A</i>	QSYCEPSSYR	10	A*68:12	23	1.5
1	<i>ALMS1</i>	TVPSSSFHR	10	A*68:12	25	11
1	<i>WHSC1L1</i>	EVQASKHTK	9	A*68:12	33	58
1	<i>CRYBA1</i>	WVCYQYSGYR	10	A*33:01	44	972
1	<i>CDC25A</i>	SYCEPSSYR	9	A*33:01	70	14
1	<i>THNSL2</i>	ATIESVQGAK	10	A*68:12	71	42
1	<i>ALMS1</i>	TPTVPSSSF	9	B*35:01	75	91
1	<i>RALGAPB</i>	WIMVLVLPK	9	A*68:12	95	218
1	<i>THOC6</i>	ELWCRQPPY	9	B*35:01	112	13776
1	<i>RALGAPB</i>	DWIMVLVLPK	10	A*33:01	117	37826
1	<i>C6orf89</i>	MPIEPGDIGC	10	B*35:01	132	131
1	<i>STRAP</i>	LISACKDGKR	10	A*68:12	163	15845
1	<i>CRYBA1</i>	YQYSGYRGY	9	B*35:01	170	9851
1	<i>WHSC1L1</i>	LLNEVQASK	9	A*68:12	197	7440
1	<i>RALGAPB</i>	DWIMVLVLPK	10	A*68:12	222	2956
1	<i>STRAP</i>	ISACKDGKR	9	A*68:12	224	6671
1	<i>XPO1</i>	KTVVNKLFK	9	A*68:12	253	25393
1	<i>HMG2</i>	NSAENGDAK	9	A*68:12	258	141
1	<i>THOC6</i>	LWCRQPPYR	9	A*33:01	297	915
1	<i>POLR2A</i>	VQKIFHINPR	10	A*33:01	308	17699
1	<i>CDC25A</i>	QSYCEPSSYR	10	A*33:01	309	53
1	<i>ALMS1</i>	SSSFHREK	9	A*68:12	314	1496
1	<i>CDC25A</i>	SYCEPSSYR	9	A*68:12	314	812
1	<i>ALMS1</i>	TVPSSSFHR	10	A*33:01	335	237
1	<i>THNSL2</i>	TIESVQGAK	9	A*68:12	338	953
1	<i>POLR2A</i>	MIWNVQKIF	9	B*35:01	393	541
1	<i>CDC25A</i>	QSYCEPSSY	9	B*35:01	478	50000

1	<i>DSCAML1</i>	SSIRSFVLQY	10	B*35:01	480	9195
2	<i>NIN</i>	FLQEETLTQM	10	A*02:01	10.63	1.1
2	<i>FNDC3B</i>	VVMSWAPPV	9	A*02:01	4.21	6.4
2	<i>SLC46A1</i>	CSDSKLIGY	9	A*01:01	8.13	8.5
2	<i>SYT15</i>	EMLIKPKEL	9	B*08:01	414.37	8.9
2	<i>F2R</i>	ILLMTVTSI	9	A*02:01	41.91	11
2	<i>ACSM2A</i>	SLMEHWALG	9	A*02:01	413.95	17
2	<i>C16orf57</i>	LLRVHTEHV	9	B*08:01	443.97	28
2	<i>ACSM2A</i>	SLMEHWALGA	10	A*02:01	5.67	40
2	<i>TBC1D9B</i>	KMTFLFPNL	9	A*02:01	63.7	62
2	<i>SF3B1</i>	GLVDEQQEV	9	A*02:01	22.26	94
2	<i>LRRC41</i>	ALPDPILQSI	10	A*02:01	28.18	107
2	<i>LRRC41</i>	GVWALPDPI	9	A*02:01	382.07	122
2	<i>FNDC3B</i>	AVVMSWAPPV	10	A*02:01	98.15	123
2	<i>F2R</i>	TSIDRFLAV	9	B*08:01	245.43	130
2	<i>KIAA0467</i>	GPSWGLSLM	9	B*07:02	179.31	137
2	<i>C16orf57</i>	LLRVHTEHV	9	A*02:01	454.23	175
2	<i>C22orf28</i>	WVNCSSMTFL	10	A*02:01	302.94	274
2	<i>FNDC3B</i>	VMSWAPPVGL	10	A*02:01	37.77	378
2	<i>GDF2</i>	ILYKDDMGV	9	A*02:01	13.74	567
2	<i>FNDC3B</i>	NIQARAVVM	9	B*08:01	145.51	743
2	<i>C16orf57</i>	HVRCKSGNKF	10	B*08:01	340.37	803
2	<i>LRRC41</i>	LPDPILQSIL	10	B*07:02	243.46	855
2	<i>F2R</i>	SILLMTVTSI	10	A*02:01	301.24	929
2	<i>ACSM2A</i>	LMEHWALGA	9	A*02:01	314.16	968
2	<i>LRRC41</i>	LPDPILQSI	9	B*07:02	471.62	1056
2	<i>C16orf57</i>	VLLRVHTEHV	10	A*02:01	23.04	1252
2	<i>TBC1D9B</i>	FPNLKDRDFL	10	B*07:02	107.39	1423
2	<i>SYT15</i>	MLIKPKELV	9	A*02:01	162.61	1442
2	<i>ACSM2A</i>	ILCSLMEHWA	10	A*02:01	424.59	1651
2	<i>TBC1D9B</i>	FPNLKDRDF	9	B*07:02	280.32	1687
2	<i>GDF2</i>	SILYKDDMGV	10	A*02:01	140.39	1775
2	<i>TP53</i>	NTFRHRVVV	9	B*08:01	285.7	1789
2	<i>SF3B1</i>	EVRTISALAI	10	B*08:01	327.97	2322
2	<i>GDF2</i>	VPTKLSPISI	10	B*07:02	132.77	3416
2	<i>ELK3</i>	LLLQDSECKA	10	A*02:01	437.05	5074
2	<i>KIAA0467</i>	SQPGPSWGL	9	A*02:01	128.72	6511
2	<i>RNF150</i>	KPAVSSSDSI	10	B*07:02	228.47	8085
3	<i>ZNF182</i>	ITHTGEKPY	9	B*15:01	205.26	92

3	ZNF182	ITHTGEKPYK	10	A*03:01	443.32	40
3	ZNF253	KFSNSNIYK	9	A*03:01	116.69	273
3	IREB2	LTRGTFANIK	10	A*01:01	343.52	739
3	TLK2	LTDFGLSKIM	10	A*03:01	164.9	1897
3	TLK2	LTDFGLSKI	10	A*01:01	227	10452
3	TLK2	KLDFGLSK	9	A*03:01	26	41
3	MYD88	SLSLGAHQK	9	A*03:01	122.42	30
3	PATE2	FLKHKQSCAV	10	B*08:01	17	21
3	PATE2	GVMTSCFLK	9	A*03:01	25	29
3	PATE2	FLKHKQSCA	9	B*08:01	19	51
3	JTB	GLLCAFTLK	9	A*03:01	12	62
3	JTB	HLCGLLCAF	9	B*15:01	117	125
3	OR13C5	LSIFKISSL	9	B*08:01	151	158
3	PATE2	VMTSCFLKHK	10	A*03:01	140	174
3	PATE2	MTSCFLKHK	9	A*03:01	147	218
3	OR13C5	KISSLEGRSK	10	A*03:01	185	257
3	OR13C5	LSIFKISSL	9	B*15:01	152	368
4	MAPK14	RPTFYRQGL	9	B*07:02	6.7	76
4	SCYL2	EVAGFVFDK	9	A*68:01	7.3	14
4	SCYL2	EVAGFVFDKK	10	A*68:01	7.4	8.8
4	COL5A3	FTAGGEPCLY	10	A*01:01	14	153
4	MPDZ	FSIVGGYGR	9	A*68:01	20	2.6
4	CUL1	YMKKAEAPL	9	B*08:01	36	34841
4	MUC2	APITTTTTV	9	B*07:02	53	13
4	KDM5D	HSIPLRQSVK	10	A*68:01	55	45
4	TBC1D25	ISYLGRDRLR	10	A*68:01	106	556
4	NUP98	APGFNTTPA	9	B*07:02	107	13
4	ZNF330	KAFFCDDHTR	10	A*68:01	137	102
4	MPDZ	RPHGDLPIYV	10	B*07:02	155	1321
4	TBC1D25	RLRQEVYLSL	10	B*08:01	165	1084
4	CUL1	YMKKAEAPLL	10	B*08:01	168	138
4	TBC1D25	RLRQEVYLSL	10	B*07:02	183	114
4	LANCL1	CLTKRSIAF	9	B*08:01	205	47
4	COL5A3	FTAGGEPCLY	10	A*68:01	230	11
4	SF3B1	EYVLNNTAR	9	A*68:01	301	651
4	CNN1	DPKLGTAQPL	10	B*07:02	369	3974
4	PPP2R2C	QTHEPEFDY	9	A*01:01	435	26184
4	MUC2	APITTTTTVT	10	B*07:02	436	3731
4	CUL1	EAPLLEEQR	9	A*68:01	454	36

4	<i>LANCL1</i>	CLTKRSIAFL	10	B*08:01	467	640
4	<i>NUP98</i>	APGFNTTPAT	10	B*07:02	475	5744
4	<i>MUC2</i>	TTAPITTTT	9	A*68:01	479	118
4	<i>CUL1</i>	YMKKAEAPL	9	B*07:02	480	7927
4	<i>LOXL2</i>	IPGFKFDNL	9	B*07:02	487	809

Table S3. Clinical characteristics of CLL Pts 1 and 2. Both patients have achieved ongoing continuous remission following HSCT of greater than 7 (Pt 1) and 4 years (Pt 2). M: male; HSCT: hematopoietic stem cell transplantation; RIC: reduced intensity conditioning; Flu/Bu: Fludarabine/Busulfan; GvHD: graft vs host disease; URD: unrelated donor; Mis: missense; FS: frameshift

Pt	HLA typing	Age/ Sex	Allogeneic HSCT				Number of Mutations				Neoepitopes (IC50 < 500 nM)	
			Conditioning regimen	Stem cell source	Days to cGvHD Onset	GvHD meds	Total	Mis	FS	Putative drivers	Predicted	Experimental
1	A*33:01/ *68:12 B*35:01/ *14:01	51/M	RIC Flu/Bu	URD PBSC	448	Imatinib/ Prednisone	33	25	8	<i>XPO1</i>	30	14
2	A*01:01/ *02:01 B*07:02/ *08:01	72/M	RIC Fu/Bu	URD PBSC	208	Imatinib	27	26	1	<i>TP53,</i> <i>SF3B1</i>	37	18

Table S4. Summary of peptides from Pt 1 missense mutations that were included in peptide pools for T cell stimulation studies. In Pt 1, all predicted peptides with IC50 < 500 nM binding to HLA -A and -B alleles were used with 5 pools of mutated peptides with 6 peptides/pool. The corresponding experimental HLA-peptide binding affinities, wildtype peptides and their predicted IC50 scores are included in the far right columns.

Pool	Gene	Length	HLA allele	MUT peptide			WT peptide	
				Sequence	Predicted IC50 (nM)	Experimental IC50 (nM)	Sequence	Predicted IC50 (nM)
1	<i>THOC6</i>	10	A*33:01	ELWCRQPPYR	10	18	ELWRRQPPYR	11
	<i>THOC6</i>	10	A*68:12	ELWCRQPPYR	59	5.1	ELWRRQPPYR	61
	<i>CDC25A</i>	10	A*68:12	QSYCEPSSYR	23	1.5	QSYCEPPSYR	37
	<i>ALMS1</i>	10	A*68:12	TVPSSSFSHR	25	11	TVPSGSFSHR	35
	<i>WHSC1L1</i>	9	A*68:12	EVQASKHTK	33	58	EVQASEHTK	34
	<i>CRYBA1</i>	10	A*33:01	WVCYQYSGYR	44	972	WVCYQYPGYR	50
	<i>CDC25A</i>	9	A*33:01	SYCEPSSYR	70	14	SYCEPPSYR	61
2	<i>THNSL2</i>	10	A*68:12	ATIESVQGAK	71	42	AAIESVQGAK	470
	<i>ALMS1</i>	9	B*35:01	TPTVPSSSF	75	91	TPTVPSGSF	89
	<i>RALGAPB</i>	9	A*68:12	WIMVLVLPK	95	218	WIMALVLPK	46
	<i>THOC6</i>	9	B*35:01	ELWCRQPPY	112	13776	ELWRRQPPY	126
	<i>RALGAPB</i>	10	A*33:01	DWIMVLVLPK	117	37826	DWIMALVLPK	171
	<i>C6orf89</i>	10	B*35:01	MPIEPGDIGC	132	131	MPIEPGDIGY	3
3	<i>STRAP</i>	10	A*68:12	LISACKDGKR	163	15845	LISACKDGKP	38499
	<i>CRYBA1</i>	9	B*35:01	YQYSGYRGY	170	9851	YQYPGYRGY	171
	<i>WHSC1L1</i>	9	A*68:12	LLNEVQASK	197	7440	LLNEVQASE	21454
	<i>RALGAPB</i>	10	A*68:12	DWIMVLVLPK	222	2956	DWIMALVLPK	299
	<i>STRAP</i>	9	A*68:12	ISACKDGKR	224	6671	ISACKDGKP	39393
4	<i>XPO1</i>	9	A*68:12	KTVVNKLFK	253	25393	KTVVNKLFE	18346
	<i>HMG2</i>	9	A*68:12	NSAENGDAK	258	141	NPAENGDAK	3679

	<i>THOC6</i>	9	A*33:01	LWCRQPPYR	297	915	LWRRQPPYR	222
	<i>POLR2A</i>	10	A*33:01	VQKIFHINPR	308	17699	AQKIFHINPR	738
	<i>CDC25A</i>	10	A*33:01	QSYCEPSSYR	309	53	QSYCEPPSYR	398
	<i>ALMS1</i>	9	A*68:12	SSSFHREK	314	1496	SGSFHREK	3554
5	<i>CDC25A</i>	9	A*68:12	SYCEPSSYR	314	812	SYCEPPSYR	597
	<i>ALMS1</i>	10	A*33:01	TVPSSSFHR	335	237	TVPSGSFHR	378
	<i>THNSL2</i>	9	A*68:12	TIESVQGAK	338	953	AIESVQGAK	3861
	<i>POLR2A</i>	9	B*35:01	MIWNVQKIF	393	541	MIWNAQKIF	294
	<i>CDC25A</i>	9	B*35:01	QSYCEPSSY	478	50000	QSYCEPPSY	472
	<i>DSCAML1</i>	10	B*35:01	SSIRSFVLQY	480	9195	SSIRGFVLQY	391

Table S5. Summary of peptides from Pt 2 missense mutations that were included in peptide pools for T cell stimulation studies. In Pt 2, all peptides that were experimentally confirmed to bind to HLA -A and -B alleles were used with 3 pools of peptides with 6 peptides/pool. The corresponding wildtype peptides and their predicted IC50 scores are included in the far right columns.

Pool	Gene	Length	HLA allele	MUT peptide			WT peptide	
				Sequence	Predicted IC50 (nM)	Experimental IC50 (nM)	Sequence	Predicted IC50 (nM)
1	<i>NIN</i>	10	A*02:01	FLQEETLTQM	10.63	1.1	FLQEERLTQM	45
	<i>FNDC3B</i>	9	A*02:01	VVMSWAPPV	4.21	6.2	VVLSWAPPV	9
	<i>SLC46A1</i>	9	A*01:01	CSDSKLIGY	8.13	8.5	CWDSKLIGY	1778
	<i>SYT15</i>	9	B*08:01	EMLIKPKEL	414.37	8.9	EMLSKPKEL	785
	<i>F2R</i>	9	A*02:01	ILLMTVTSI	41.91	11	ILLMTVISI	53
	<i>ACSM2A</i>	9	A*02:01	SLMEHWALG	413.95	17	SLMEPWALG	1313
2	<i>C16orf57</i>	9	B*08:01	LLRVHTEHV	443.97	28	LLRVHTEQV	498.35
	<i>ACSM2A</i>	10	A*02:01	SLMEHWALGA	5.67	40	SLMEPWALGA	9.8
	<i>TBC1D9B</i>	9	A*02:01	KMTFLFPNL	63.7	62	KMTFLFANL	93
	<i>SF3B1</i>	9	A*02:01	GLVDEQQEV	22.26	94	GLVDEQQKV	51
	<i>LRRC41</i>	10	A*02:01	ALPDPILQSI	28.18	107	ALPGPILQSI	99
	<i>LRRC41</i>	9	A*02:01	GVWALPDPI	382.07	122	GVWALPGPI	963
3	<i>FNDC3B</i>	10	A*02:01	AVVMSWAPPV	98.15	123	AVVLSWAPPV	89
	<i>F2R</i>	9	B*08:01	TSIDRFLAV	245.43	130	ISIDRFLAV	252
	<i>KIAA0467</i>	9	B*07:02	GPSWGLSLM	179.31	137	GPSRGLSLM	39
	<i>C16orf57</i>	9	A*02:01	LLRVHTEHV	454.23	175	LLRVHTEQV	433.02
	<i>C22orf28</i>	10	A*02:01	WVNCSSMTFL	302.94	274	WVNRSSMTFL	835
	<i>FNDC3B</i>	10	A*02:01	VMSWAPPVGL	37.77	378	VLSWAPPVGL	48

Table S6. Primers for amplification of TCR V β subfamilies

Name	Forward primer sequence (5'-3')	Amplicon size (bp)
V β 1	GCACAACAGTTCCTGACTTGAC	346
V β 2	TCATCAACCATGCAAGCCTGACCT	349
V β 3	GTCTCTAGAGAGAAGAAGGAGCGC	346
V β 4	ACATATGAGAGTGGATTTGTCATT	378
V β 5.1	ATACTTCAGTGAGACACAGAGAAAC	396
V β 5.2	TTCCCTAACTATAGCTCTGAGCTG	343
V β 6	AGGCCTGAGGGATCCGTCTC	340
V β 7	CCTGAATGCCCAACAGCTCTC	347
V β 8	ATTTACTTTAACAACAACGTTCCG	404
V β 9	CCTAAATCTCCAGACAAAGCTCAC	348
V β 10	CCACGGAGTCAGGGGACACAGCAC	313
V β 11	TCCAACCTGCAAAGCTTGAGGACT	312
V β 12	CATGGGCTGAGGCTGATC	417
V β 13.1	CAAGGAGAAGTCCCAAT	372
V β 13.2	GGTGAGGGTACAACCTGCC	390
V β 14	GTCTCTCGAAAAGAGAAGAGGAAT	349
V β 15	AGTGTCTCTCGACAGGCACAGGCT	352

V β 16	AAAGAGTCTAAACAGGATGAGTCC	395
V β 17	GGAGATATAGCTGAAGGGTA	372
V β 18	GATGAGTCAGGAATGCCAAAGGAA	380
V β 19	TCCTCTCACTGTGACATCGGCCCA	322
V β 20	AGCTCTGAGGTGCCCCAGAATCTC	370
V β 22	AAGTGATCTTGCGCTGTGTCCCCA	490
V β 23	AGGACCCCCAGTTCCTCATTTC	435
V β 24	CCCAGTTTGGAAAGCCAGTGACCC	509
V β 25	TCAACAGTCTCCAGAATAAGGACG	352
Name	Reverse primer sequence (5'-3')	
External C β	GACAGCGGAAGTGGTTGCGGGGT	
Internal C β	FAM-CGGGCTGCTCCTTGAGGGGCTGCG	

Table S7. Detection of mut-*FNDC3B* specific TCR V β 11, using T cell receptor-specific primers in Pt 2.

A real-time PCR assay was designed to detect the mut-*FNDC3B*-specific TCR V β 11 clone. This clone was not detectable in healthy donor PBMCs (n=3) or CD8 T cells, but clearly detectable in cDNA from mut-*FNDC3B* reactive T cells from Pt 2 (at 6 months post-HSCT). The PCR products were normalized over 18s ribosomal RNA. -, negative: no amplification; +, positive: amplification detected; ++, double positive: amplification detected and amplification level is more than median level of all positive samples.

cDNA	Vβ11 Clone specific PCR	18s ribosomal RNA
T cell clone	++	+
Healthy donor PBMCs (n=3)	-	+
Healthy donor CD8 T cells	-	+

Table S8. Distribution of mutation classes, summed neoORF sizes and number of predicted binding peptides across 13 cancers. MEL:melanoma, LUSC: lung squamous cell carcinoma, LUAD: lung adenocarcinoma, BLCA: bladder, HNSC: head and neck cancer, COAD: colon adenocarcinoma, READ: renal adenocarcinoma, GBM: glioblastoma, OV: ovarian, RCC: clear cell renal carcinoma, BRCA: breast, CLL: chronic lymphocytic leukemia, AML: acute myeloid leukemia. *-predicted number of peptides based on missense and frameshift mutations.

Cancer type	# of mutations/sample median (range)			Summed NeoORF length/Sample	# of predicted peptides median (range)*	
	Missense	Frame shift	Splice site		IC50 < 150 (nM)	IC50 150-500 (nM)
MEL	300 (34- 4276)	2 (0-16)	4 (0-101)	48 (0-425)	212 (10-2566)	488 (18-5811)
LUSC	212 (0-2397)	3 (0-28)	5 (0-37)	86.5 (0-975)	149.5 (0-1320)	351.5 (0-2946)
LUAD	172.5 (0-8971)	7 (0-61)	5 (0-127)	173.5 (0-2137)	122 (0-6999)	269.5 (1-16360)
BLCA	161.5 28-1194)	6 (0-22)	4 (0-22)	152 (0-780)	97 19-1073)	232.5 (59-2337)
HNSC	95 (2-1400)	5 (0-106)	2 (0-29)	124.5 (0-2585)	66.5 (2-1139)	159.5 (3-2916)
COAD	93 (32- 5902)	4 (1-182)	0 (0-96)	121 (9-4794)	68 (15-2155)	172 (40-5199)
READ	72.5 (37-1837)	2 (0-31)	0 (0-2)	51(0-929)	52 (14-1215)	114 (38-2750)
GBM	47 (0- 169)	2 (0-16)	1 (0-5)	47 (0-539)	39 (0-166)	90 (0-332)
OV	42 (9-149)	1 (0-7)	1 (0-6)	7.5 (0-328)	30 (3-181)	70 (13-420)
RCC	41(10-101)	6 (0-22)	1(0-8)	143 (0-813)	35 (2-223)	80 (6-407)
BRCA	25 (1-300)	2 (0-54)	1 (0-8)	37 (0-1415)	21 (0-346)	47 (0-781)
CLL	16 (0-75)	1 (0-9)	1 (0-6)	11 (0-427)	10 (0-50)	24 (2-124)
AML	7 (0-20)	1 (0-2)	0 (0-3)	6 (0-160)	4 (0-19)	8 (0-41)

Table S9. TCGA patient IDs for neoantigen load estimates across cancers. LUSC (lung squamous carcinoma) ¹², LUAD (lung adeno carcinoma) ¹³, BLCA (bladder), HNSC (head and neck) ¹⁴, COAD (colon) and READ (rectum) ¹⁵, GBM (glioblastoma) ¹⁶, OV (ovarian) ¹⁷, RCC (clear cell renal carcinoma) ¹⁸, AML (acute myeloid leukemia) ¹⁹ and BRCA (breast).²⁰

TCGA Barcodes	Disease	UUID
TCGA-BL-A0C8-01A-11D-A10S-08	BLCA	134b0a5e-a0ba-444d-bc4b-bdceb02d5b04
TCGA-BL-A13I-01A-11D-A13W-08	BLCA	aa490522-7bb9-4f82-8f19-eaf63f719bfe
TCGA-BL-A13J-01A-11D-A10S-08	BLCA	0c7aca3f-e006-4de3-afc2-20b4f727d4fd
TCGA-BL-A3JM-01A-12D-A21A-08	BLCA	b181ba68-f50f-4faf-b7b5-356e119b5f04
TCGA-BT-A0S7-01A-11D-A10S-08	BLCA	b2e5d244-94c1-4dbf-8d33-34b595903310
TCGA-BT-A0YX-01A-11D-A10S-08	BLCA	d61ccd8c-b798-46e0-aeed-f95b4f3ba4ff
TCGA-BT-A20J-01A-11D-A14W-08	BLCA	1d3c0ff9-d149-4d21-8955-5fb849fc5462
TCGA-BT-A20N-01A-11D-A14W-08	BLCA	341bbffe-7587-4ad0-b3b4-68e64080e216
TCGA-BT-A20O-01A-21D-A14W-08	BLCA	7df63263-de4e-4ed8-804f-9e8fee3be2d5
TCGA-BT-A20P-01A-11D-A14W-08	BLCA	e6c78a98-f45b-482b-a551-4f11b8c1ff8b
TCGA-BT-A20Q-01A-11D-A14W-08	BLCA	8c619cbc-9e91-4716-9711-5236e55d8f46
TCGA-BT-A20R-01A-12D-A16O-08	BLCA	e9bbbf3c-0beb-4f91-92a1-081bff7c4a07
TCGA-BT-A20T-01A-11D-A14W-08	BLCA	301d6ce3-4099-4c1d-8e50-c04b7ce91450
TCGA-BT-A20U-01A-11D-A14W-08	BLCA	4576527b-b288-4f50-a9ea-5d5dede22561
TCGA-BT-A20V-01A-11D-A14W-08	BLCA	973d0577-8ca4-44a1-817f-1d3c1bada151
TCGA-BT-A20W-01A-21D-A14W-08	BLCA	85ccdf9b-f787-4701-822f-ae0fce5b4fc5
TCGA-BT-A20X-01A-11D-A16O-08	BLCA	9b4586ee-4091-484f-8be8-5a5196fe7b6f
TCGA-BT-A2LB-01A-11D-A18F-08	BLCA	e7aea186-f13b-43b1-8693-f90f51e005dd
TCGA-BT-A2LD-01A-12D-A20D-08	BLCA	cc95719c-7fcc-4ed7-837e-1840c0a6bc27
TCGA-BT-A3PH-01A-11D-A21Z-08	BLCA	cda1a403-16b6-487c-a82a-c377d1d0f89d
TCGA-BT-A3PJ-01A-21D-A21Z-08	BLCA	b73523d7-f5a5-4140-8537-4df4d1ecf465
TCGA-BT-A3PK-01A-21D-A21Z-08	BLCA	4ad38e8e-e63e-41d9-9216-617be7fa1d75
TCGA-C4-A0EZ-01A-21D-A10S-08	BLCA	b01a7081-8eb5-4728-a517-52156cdf7ed
TCGA-C4-A0F0-01A-12D-A10S-08	BLCA	612fd956-9a41-4201-9d74-6ab50f6ae987
TCGA-C4-A0F1-01A-11D-A10S-08	BLCA	9377460a-8497-41b8-b2c2-5f50cfeda1fe
TCGA-C4-A0F6-01A-11D-A10S-08	BLCA	608f8c75-40e4-44f2-bdde-5f07aa6b4bee
TCGA-C4-A0F7-01A-11D-A10S-08	BLCA	f389176f-d8f3-45c2-aae4-7378a3d6fc7f
TCGA-CF-A1HR-01A-11D-A13W-08	BLCA	69acf4f1-063f-453d-b148-681518c0bc39
TCGA-CF-A1HS-01A-11D-A13W-08	BLCA	b36e672b-c5d8-4481-bbb3-7be805215212
TCGA-CF-A27C-01A-11D-A16O-08	BLCA	acc629cb-ad03-4ccc-9b21-922e4932ef3e
TCGA-CF-A3MF-01A-12D-A21A-08	BLCA	c66c92d5-df65-46e6-861d-d8a98808e6a3

TCGA-CF-A3MG-01A-11D-A20D-08	BLCA	4c89ce08-ed24-4179-8884-4706660b7da8
TCGA-CF-A3MH-01A-11D-A20D-08	BLCA	8867b16f-cd05-41e9-b3ca-4c72a1ebeb70
TCGA-CF-A3MI-01A-11D-A20D-08	BLCA	0afabd62-8454-41b4-9b02-386681589688
TCGA-CU-A0YN-01A-21D-A10S-08	BLCA	803ab221-b813-4bcc-95a9-1f686d172d3c
TCGA-CU-A0YO-01A-11D-A10S-08	BLCA	e80278f9-2059-4e98-92b2-3e9868fc5818
TCGA-CU-A0YR-01A-12D-A10S-08	BLCA	31382822-3792-47bc-99e8-8a1ee1e4e58b
TCGA-CU-A3KJ-01A-11D-A21A-08	BLCA	e22c6a44-4f8e-44eb-8ca8-dff0f2fc5575
TCGA-DK-A1A3-01A-11D-A13W-08	BLCA	2322f7cd-7d55-4a9f-b7f3-da3068089383
TCGA-DK-A1A5-01A-11D-A13W-08	BLCA	448fe471-3f4e-4dc8-a4e0-6f147dc93abe
TCGA-DK-A1A6-01A-11D-A13W-08	BLCA	df8a913c-5160-4fc5-950d-7c890e24e820
TCGA-DK-A1A7-01A-11D-A13W-08	BLCA	91f458e6-64b7-454d-a542-b0aa2363fd8
TCGA-DK-A1AA-01A-11D-A13W-08	BLCA	804ffa2e-158b-447d-945c-707684134c87
TCGA-DK-A1AB-01A-11D-A13W-08	BLCA	5f0fb2ba-0351-4ce0-8b74-31aa3deecae1
TCGA-DK-A1AC-01A-11D-A13W-08	BLCA	a5dc17f5-abda-4534-b0f8-34b59ed4faa3
TCGA-DK-A1AD-01A-11D-A13W-08	BLCA	32398d56-8668-41b1-9c0b-c6aea6e3e787
TCGA-DK-A1AE-01A-11D-A13W-08	BLCA	abd2d959-d5ed-4eb3-9759-67eb1aa23325
TCGA-DK-A1AF-01A-11D-A13W-08	BLCA	fbdc7f9-1901-4e90-8e3c-71b05dc96da1
TCGA-DK-A1AG-01A-11D-A13W-08	BLCA	7d2a22eb-7344-4cba-ad7d-94c3f9ef3d7c
TCGA-DK-A2HX-01A-12D-A18F-08	BLCA	a8f0d416-2102-43ea-9cf1-465c37f9642a
TCGA-DK-A2I1-01A-11D-A17V-08	BLCA	f350676a-e308-42fe-8297-9d18ba7027b1
TCGA-DK-A2I2-01A-11D-A17V-08	BLCA	537e0d59-dd1c-479e-877f-eb9523c0967e
TCGA-DK-A2I4-01A-11D-A21A-08	BLCA	d68074b8-ce96-4dc5-b14c-3bbc7ba92ad9
TCGA-DK-A2I6-01A-12D-A18F-08	BLCA	97a755af-ca00-4116-8a32-0984dbfb1585
TCGA-DK-A3IK-01A-32D-A21A-08	BLCA	f730e341-8102-4405-95e2-46a3455a35cc
TCGA-DK-A3IL-01A-11D-A20D-08	BLCA	4838b5a9-968c-4178-bffb-3fafa1f6dc09
TCGA-DK-A3IM-01A-11D-A20D-08	BLCA	780f4201-4e59-47b8-b3b7-d322a6162b2d
TCGA-DK-A3IN-01A-11D-A20D-08	BLCA	173c1518-6bcb-4e25-a119-de32dad91286
TCGA-DK-A3IQ-01A-31D-A20D-08	BLCA	c3da3cc2-2299-4a3e-9de8-7a1d0a10345d
TCGA-DK-A3IS-01A-21D-A21A-08	BLCA	92a59313-da12-4896-b164-fd2d50684638
TCGA-DK-A3IT-01A-31D-A20D-08	BLCA	07db4596-cb49-4a32-bc99-3b202ffe61a2
TCGA-DK-A3IU-01A-11D-A20D-08	BLCA	52de410f-3ce3-4ee6-87f3-8ec2e829962f
TCGA-DK-A3IV-01A-22D-A21A-08	BLCA	7cecfbbc-5fe4-4413-95fd-07533aacbb73
TCGA-E5-A2PC-01A-11D-A202-08	BLCA	62b9f71c-2dab-455a-a454-579e8843f712
TCGA-FD-A3B3-01A-12D-A202-08	BLCA	8e9fb61d-c90d-440b-857a-12e1048435ea
TCGA-FD-A3B4-01A-12D-A202-08	BLCA	df922c85-5a10-487f-a9d5-220d5090e2e4
TCGA-FD-A3B5-01A-11D-A20D-08	BLCA	d05f9b81-7ba9-4231-aae6-1d2c14df22d7
TCGA-FD-A3B6-01A-21D-A20D-08	BLCA	36524c53-ac54-4a42-a982-bed2e4354268
TCGA-FD-A3B7-01A-31D-A20D-08	BLCA	fc76c5bd-315d-4981-ae53-705f40d2c078
TCGA-FD-A3B8-01A-31D-A20D-08	BLCA	7957bb77-8329-43a0-b1a8-140f2cb6b91b
TCGA-FD-A3N5-01A-11D-A21A-08	BLCA	418a3dec-96ff-4719-becb-e1a8260cce2f
TCGA-FD-A3N6-01A-11D-A21A-08	BLCA	d4615ca0-b5c7-4a5c-8593-bd50034a78ae

TCGA-FD-A3NA-01A-11D-A21A-08	BLCA	d079a32c-270b-4c43-8372-884e8d0c48ed
TCGA-G2-A2EC-01A-11D-A17V-08	BLCA	1376c881-cea5-4470-8dc1-63c69f201570
TCGA-G2-A2EF-01A-12D-A18F-08	BLCA	4e5917bd-2cb1-438c-a46c-5d8ca5b2fd0e
TCGA-G2-A2EJ-01A-11D-A17V-08	BLCA	82f98ff9-7161-45c3-8107-033b47e25f21
TCGA-G2-A2EK-01A-22D-A18F-08	BLCA	eb73bb35-af99-47b8-8bbb-33b5374e5c74
TCGA-G2-A2EL-01A-12D-A18F-08	BLCA	56924619-0724-4b3e-9c53-27c27d3789d6
TCGA-G2-A2EO-01A-11D-A17V-08	BLCA	ebb5cdb6-df4a-436d-b4a6-1655d263e3dd
TCGA-G2-A2ES-01A-11D-A17V-08	BLCA	5c628df6-a848-4177-87b8-714788118980
TCGA-G2-A3IE-01A-11D-A20D-08	BLCA	ebacd09f-c204-4cd2-a087-07bc4f2c5b74
TCGA-GC-A3I6-01A-11D-A20D-08	BLCA	372feefe-ee84-4833-8651-8f023f38a56a
TCGA-GC-A3RB-01A-12D-A21Z-08	BLCA	eaf54383-4286-4416-9b18-be1081797df2
TCGA-GD-A2C5-01A-12D-A17V-08	BLCA	2b142863-b963-4cc9-8f8f-c72503c93390
TCGA-GD-A3OP-01A-21D-A21Z-08	BLCA	3e02d723-691a-448c-85e2-4e39a3696ba5
TCGA-GD-A3OQ-01A-32D-A21Z-08	BLCA	fb985b3d-b0f7-42a0-bc3c-f71d9c5f78d8
TCGA-GD-A3OS-01A-12D-A21Z-08	BLCA	9b3e164d-aaa0-4bb5-b7b8-6264b2746a47
TCGA-GV-A3JV-01A-11D-A21Z-08	BLCA	5fed4b8a-4b59-4424-bbf1-bc73ce041361
TCGA-GV-A3JW-01A-11D-A20D-08	BLCA	4534413b-d0d0-4b34-a3d4-f821705485ae
TCGA-GV-A3JX-01A-11D-A20D-08	BLCA	21525d6f-4222-4e0a-9f07-8adbbd55c54f
TCGA-GV-A3JZ-01A-11D-A21A-08	BLCA	074fc904-0a0e-4114-b569-89d51e7a89db
TCGA-GV-A3QG-01A-11D-A21Z-08	BLCA	90534196-b1d8-4054-b4d5-1d29943b52bc
TCGA-GV-A3QI-01A-11D-A21Z-08	BLCA	33a9da52-5471-456f-84cb-13c5de5b0994
TCGA-H4-A2HO-01A-11D-A17V-08	BLCA	2e327841-ee00-42dd-883e-7d5b5a0d3a93
TCGA-H4-A2HQ-01A-11D-A17V-08	BLCA	94108975-b7a0-40ba-ad39-e44cc62e8cc0
TCGA-HQ-A2OE-01A-11D-A202-08	BLCA	61324839-e90a-49f2-a9c9-629d7b125fe9
TCGA-A1-A0SB-01A-11D-A142-09	BRCA	db9d40fb-bfce-4c3b-a6c2-41c5c88982f1
TCGA-A1-A0SD-01A-11D-A10Y-09	BRCA	1847727f-ea57-4e2e-84e5-a10e764c9096
TCGA-A1-A0SE-01A-11D-A099-09	BRCA	0539776c-3943-41d0-972c-8dc833a603e5
TCGA-A1-A0SF-01A-11D-A142-09	BRCA	b291200e-3c22-411a-85d0-fbe1570acda2
TCGA-A1-A0SG-01A-11D-A142-09	BRCA	39642c6d-9191-4746-8a9d-62d437bfdce8
TCGA-A1-A0SH-01A-11D-A099-09	BRCA	473d6ae4-162a-4136-b44f-fad42529a31a
TCGA-A1-A0SI-01A-11D-A142-09	BRCA	e218c272-a7e1-4bc9-b8c5-d2d1c903550f
TCGA-A1-A0SJ-01A-11D-A099-09	BRCA	a55c6a44-c0f5-4300-8df4-4a70befe2d3b
TCGA-A1-A0SK-01A-12D-A099-09	BRCA	d1b43161-cbc1-4bf6-b8bb-a72a2e5e1150
TCGA-A1-A0SM-01A-11D-A099-09	BRCA	2057b341-ff5c-45ef-83bb-005e29b2e740
TCGA-A1-A0SN-01A-11D-A142-09	BRCA	1b8d93f4-acc2-48ee-9ca8-a327eb0463c2
TCGA-A1-A0SO-01A-22D-A099-09	BRCA	b3568259-c63c-4eb1-bbc7-af711ddd33db
TCGA-A1-A0SP-01A-11D-A099-09	BRCA	d3ae9617-b6cd-4d98-b631-39bd4afd3c4e
TCGA-A1-A0SQ-01A-21D-A142-09	BRCA	9055ddce-a0ff-4980-af86-c07f949acbc3
TCGA-A2-A04N-01A-11D-A10Y-09	BRCA	389dd52b-a7b7-46f0-83ae-308e485466a8
TCGA-A2-A04P-01A-31D-A128-09	BRCA	a85cf239-ff51-46e7-9b88-4c2cb49c66b9
TCGA-A2-A04Q-01A-21W-A050-09	BRCA	02eb17d4-9e9e-4e32-96b0-90ccdda3f167

TCGA-A2-A04R-01A-41D-A117-09	BRCA	1f8e4326-dfc7-4635-a9b7-a9207a392748
TCGA-A2-A04U-01A-11D-A10Y-09	BRCA	f819433a-44db-4022-abdb-d6123cfa30b2
TCGA-A2-A04V-01A-21W-A050-09	BRCA	89501861-2778-4b88-9a44-939fed99850d
TCGA-A2-A04W-01A-31D-A10Y-09	BRCA	7822a6b1-68c8-4675-993c-c4b54a510c09
TCGA-A2-A04X-01A-21W-A050-09	BRCA	66a73891-2fea-450c-8224-0865d98b4346
TCGA-A2-A04Y-01A-21W-A050-09	BRCA	3669bbbd-2e75-4b57-a5a8-8eebc25a97c2
TCGA-A2-A0CL-01A-11D-A10Y-09	BRCA	a630ed59-dd23-45e1-aa16-4f7a98e32728
TCGA-A2-A0CM-01A-31W-A050-09	BRCA	fe8023d4-5476-4c58-bf70-cbf65cdd4327
TCGA-A2-A0CP-01A-11W-A050-09	BRCA	a776e274-fe9f-49a9-83ab-95ca6819c96b
TCGA-A2-A0CQ-01A-21W-A050-09	BRCA	fa0d7183-8757-4f95-87b2-2366a1dbd508
TCGA-A2-A0CS-01A-11D-A10Y-09	BRCA	fe96b832-cb86-4499-948a-5124a43d5c95
TCGA-A2-A0CT-01A-31W-A071-09	BRCA	2b412ad8-abda-4cf8-8f68-59dbce80031e
TCGA-A2-A0CU-01A-12W-A050-09	BRCA	a9aa68af-f5fe-4ac0-987f-8af49b85c231
TCGA-A2-A0CV-01A-31D-A10Y-09	BRCA	5d1dead5-d9a5-42d3-a703-4c38ad6e8f57
TCGA-A2-A0CW-01A-21D-A10Y-09	BRCA	da4f0f85-b16f-40fa-95c6-524d70d7ac4d
TCGA-A2-A0CX-01A-21W-A019-09	BRCA	975adb76-3561-41a0-959a-68da470816c7
TCGA-A2-A0CZ-01A-11W-A050-09	BRCA	95d5c606-367a-46b5-b663-dcea3f42e2a2
TCGA-A2-A0D0-01A-11W-A019-09	BRCA	3f20d0fe-aaa1-40f1-b2c1-7f070f93aef5
TCGA-A2-A0D1-01A-11W-A050-09	BRCA	a762809c-15c9-485e-ad7a-ef28427750e9
TCGA-A2-A0D2-01A-21W-A050-09	BRCA	05656575-69e7-4745-a89d-ca0568eb5559
TCGA-A2-A0D3-01A-11D-A10Y-09	BRCA	8183420e-7f44-4024-b3db-6b53ad293988
TCGA-A2-A0D4-01A-11W-A019-09	BRCA	f3accede-1716-4d44-bad4-5427a9ebd675
TCGA-A2-A0EM-01A-11W-A050-09	BRCA	0e01c6b8-9edd-4965-b247-ee7e68124f48
TCGA-A2-A0EN-01A-13D-A099-09	BRCA	12362ad7-6866-4e7a-9ec6-8a0a68df8896
TCGA-A2-A0EO-01A-11W-A050-09	BRCA	8e2f9eb7-0660-47ae-b86e-652e99fa69ca
TCGA-A2-A0EQ-01A-11W-A050-09	BRCA	2c449ea9-c3ff-4726-8566-5933e2b7056d
TCGA-A2-A0ER-01A-21W-A050-09	BRCA	31ed187e-9bfe-4ca3-8cbb-10c1e0184331
TCGA-A2-A0ES-01A-11D-A10Y-09	BRCA	64d42c62-5c2d-49f5-856e-72beef88044d
TCGA-A2-A0ET-01A-31D-A045-09	BRCA	f7b40023-4adc-4c7d-ae73-5c10ddcbc0fb
TCGA-A2-A0EU-01A-22W-A071-09	BRCA	de30da8f-903f-428e-a63d-59625fc858a9
TCGA-A2-A0EV-01A-11W-A050-09	BRCA	9433bf4f-23ba-4fe7-9503-1ad243d74225
TCGA-A2-A0EW-01A-21D-A10Y-09	BRCA	a045a04e-4f7b-4f9a-a733-47ad24475496
TCGA-A2-A0EX-01A-21W-A050-09	BRCA	9308f50c-1320-4c45-acc7-38f43b6f9a36
TCGA-A2-A0EY-01A-11W-A050-09	BRCA	a8cde596-e3f5-4b20-9e7f-45d079893176
TCGA-A2-A0ST-01A-12D-A099-09	BRCA	dd669f44-f64d-4afc-a5ac-5f7769d1db43
TCGA-A2-A0SU-01A-11D-A099-09	BRCA	6ceaf20f-1458-4f7f-954a-e2f58ed163bf
TCGA-A2-A0SV-01A-11D-A099-09	BRCA	6d3206c6-0ca8-4b2b-a160-b1719217f9c7
TCGA-A2-A0SW-01A-11D-A099-09	BRCA	7fbd2807-a5bb-4030-a299-524ec3ab4543
TCGA-A2-A0SX-01A-12D-A099-09	BRCA	b54bc31e-bdcc-4ad5-998e-5a9c542f83bb
TCGA-A2-A0SY-01A-31D-A099-09	BRCA	efaa9c0b-c14b-4141-b48c-cc2c6b89ab73
TCGA-A2-A0T0-01A-22D-A099-09	BRCA	3c107ce4-a6ac-469b-b1c0-cd86674b5766

TCGA-A2-A0T1-01A-21D-A099-09	BRCA	9515373a-d982-45fa-b8f9-363f9ba8649f
TCGA-A2-A0T2-01A-11W-A097-09	BRCA	c7918143-dbbe-45b3-8d24-2993a9e2b7f4
TCGA-A2-A0T3-01A-21D-A10Y-09	BRCA	0ca029bb-3b3a-48ec-8ade-5591e8e8629f
TCGA-A2-A0T4-01A-31D-A099-09	BRCA	0f1b1fda-4956-498a-b8ff-e98b5d64e509
TCGA-A2-A0T6-01A-11D-A099-09	BRCA	e4dcb280-c309-4ebb-a58d-e6389a0306ee
TCGA-A2-A0T7-01A-21D-A099-09	BRCA	3ea4d98d-f8d9-433e-94f1-b0199bfdb198
TCGA-A2-A0YC-01A-11D-A117-09	BRCA	4cccf7dc-7c53-409f-a6b1-f86e0f07250b
TCGA-A2-A0YD-01A-11D-A10G-09	BRCA	30c9f9e5-90b2-4c73-bce5-eb6a3d31f496
TCGA-A2-A0YF-01A-21D-A10G-09	BRCA	11571107-fe70-4140-afff-f4792a4fd473
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TCGA-A2-A0YH-01A-11D-A10G-09	BRCA	e5558a39-eab2-4216-ba88-b63c2de48b01
TCGA-A2-A0YI-01A-31D-A10M-09	BRCA	6d2ae968-c977-4b65-869a-5e96ff3216e9
TCGA-A2-A0YJ-01A-11D-A10G-09	BRCA	3fe8e99f-dce5-4df9-983e-efe63d56bdd5
TCGA-A2-A0YK-01A-22D-A117-09	BRCA	7c27f81e-62fb-478c-9cee-8e20db9300f2
TCGA-A2-A0YL-01A-21D-A10G-09	BRCA	3cc80b41-603d-4735-85c7-71f540dc6e5c
TCGA-A2-A0YM-01A-11D-A10G-09	BRCA	1125ec93-6d24-4537-9c89-526f2d6b2299
TCGA-A2-A0YT-01A-11D-A10G-09	BRCA	827c6a2f-fb1b-4845-9cb1-11013a16da3f
TCGA-A2-A1FV-01A-11D-A13L-09	BRCA	51b7064c-d9fc-4312-ad25-b014ef81c821
TCGA-A2-A1FW-01A-11D-A13L-09	BRCA	6ccdb42e-1ad1-4175-b83a-a24b019dc640
TCGA-A2-A1FX-01A-11D-A13L-09	BRCA	0d3dd7a0-ad8d-46cc-86c4-c1994a7b4b74
TCGA-A2-A1FZ-01A-51D-A17G-09	BRCA	0f7038bb-fd25-468e-8bd9-dcd4312d13cb
TCGA-A2-A1G0-01A-11D-A13L-09	BRCA	f7eacf95-478d-4d81-a5e3-f5a8938c83ec
TCGA-A2-A1G1-01A-21D-A13L-09	BRCA	afe70076-1044-4fdd-bebc-14a97b1a8363
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TCGA-A2-A259-01A-11D-A16D-09	BRCA	93febb0a-587c-47f2-9a59-117f7aa475c5
TCGA-A2-A25A-01A-12D-A16D-09	BRCA	5739a7e1-7fa3-434c-b1c3-c0a9e570c858
TCGA-A2-A25B-01A-11D-A167-09	BRCA	6e839eaf-1dbb-43f5-8846-c980e05540c7
TCGA-A2-A25C-01A-11D-A167-09	BRCA	2411fc4a-c0d7-4a60-a861-f4d954ef1ed5
TCGA-A2-A25D-01A-12D-A16D-09	BRCA	56b152c3-9de5-4b1c-b6b4-0116cb7ce097
TCGA-A2-A25E-01A-11D-A167-09	BRCA	8dce6a9d-ecb7-4699-9fda-1b09b1b1de43
TCGA-A2-A25F-01A-11D-A167-09	BRCA	1ed40576-4f1c-4cf6-8eea-e816c5d73d90
TCGA-A7-A0CD-01A-11W-A019-09	BRCA	d29ba065-28ca-4dfb-9588-06be857f67b2
TCGA-A7-A0CG-01A-11W-A019-09	BRCA	351275c7-70ca-4ddc-be76-a6ff4dc7655e
TCGA-A7-A0CJ-01A-21W-A019-09	BRCA	c9f6a65e-ae20-410d-a397-34aef0818ff3
TCGA-A7-A0DA-01A-31D-A10Y-09	BRCA	878337fe-9f41-44f5-9760-3977e7d75308
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TCGA-A7-A13G-01A-11D-A13L-09	BRCA	ef847b83-eb88-435b-bcfd-4b51d4dfa5fe
TCGA-A7-A26E-01A-11D-A167-09	BRCA	73651880-cfbd-4f8d-8031-a14b3ac65454
TCGA-A7-A26F-01A-21D-A167-09	BRCA	fc73db72-d0ac-48d0-b809-2f7540482ec5
TCGA-A7-A26G-01A-21D-A167-09	BRCA	36d1a85e-a09b-4537-86e0-eaf1eb03aed8

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TCGA-A7-A26I-01A-11D-A167-09	BRCA	81fff2d1-d6ed-4963-a5f6-5899cde6b359
TCGA-A7-A26J-01A-11D-A167-09	BRCA	be2ca34f-5c15-4b38-a207-52df296a98ee
TCGA-A8-A06N-01A-11W-A019-09	BRCA	03d266a3-eb3e-4893-af6b-cb70d197d98f
TCGA-A8-A06O-01A-11W-A019-09	BRCA	29cd408e-a04b-418a-85e2-6ef95840ddbc
TCGA-A8-A06P-01A-11W-A019-09	BRCA	239b3d55-c5d6-4478-9b7b-1cbad3c03c81
TCGA-A8-A06Q-01A-11W-A050-09	BRCA	473d5422-978a-48be-be32-2b7516d6d2d5
TCGA-A8-A06R-01A-11D-A015-09	BRCA	c6b00eff-6c4e-4d79-a9b1-8fb1f3090816
TCGA-A8-A06T-01A-11W-A019-09	BRCA	11ec4a6f-f2dc-4b0b-9ba5-6fea8222e2d7
TCGA-A8-A06U-01A-11W-A019-09	BRCA	277c2e8a-dd28-4b8f-96d3-ea790a1986b6
TCGA-A8-A06X-01A-21W-A019-09	BRCA	dc306402-3a55-4996-b786-f3f738f13dd3
TCGA-A8-A06Y-01A-21W-A019-09	BRCA	3bede568-d8b6-44c0-99e0-a9b6c7d4ce80
TCGA-A8-A06Z-01A-11W-A019-09	BRCA	f540c4f8-75b3-47d7-a7cf-53cbf7a2c814
TCGA-A8-A075-01A-11D-A099-09	BRCA	085dd125-1f95-46aa-a480-2965090e8591
TCGA-A8-A076-01A-21W-A019-09	BRCA	dfa06058-320b-4cc6-ac18-a42e59019b1c
TCGA-A8-A079-01A-21W-A019-09	BRCA	06221ce8-ab65-4694-945b-059b9c15ede4
TCGA-A8-A07B-01A-11W-A019-09	BRCA	734421b9-ed55-45b0-9ad5-51bc754ebe90
TCGA-A8-A07C-01A-11D-A045-09	BRCA	6ab33f67-b69d-4a2d-a424-841f5fbf1ee7
TCGA-A8-A07E-01A-11W-A050-09	BRCA	fa018a20-2c26-4d47-831f-75280b6464df
TCGA-A8-A07F-01A-11W-A019-09	BRCA	73d907e6-4ba0-431f-a009-8366644ffa0
TCGA-A8-A07G-01A-11W-A050-09	BRCA	49f77aa5-446b-49f6-bd1b-02d3ff7b9dfc
TCGA-A8-A07I-01A-11W-A019-09	BRCA	7718c3f0-1c90-4940-bc30-ea4f417851bb
TCGA-A8-A07J-01A-11W-A019-09	BRCA	c8eac36c-c3a7-4c88-b928-832ab279045b
TCGA-A8-A07L-01A-11W-A019-09	BRCA	4cc86f29-061e-4058-8e8f-4c48191f52aa
TCGA-A8-A07O-01A-11W-A019-09	BRCA	4574b64d-8848-46e4-913e-5d318c1f6162
TCGA-A8-A07P-01A-11W-A019-09	BRCA	2b88ff64-bf43-43e8-9ea9-0de571520d72
TCGA-A8-A07R-01A-21W-A050-09	BRCA	f377217c-399f-4b3f-9090-fa5189b2bfc6
TCGA-A8-A07U-01A-11W-A050-09	BRCA	e6409415-8453-489d-a731-49257cade2a3
TCGA-A8-A07W-01A-11W-A019-09	BRCA	9bc8dbab-c700-498c-8ff7-ccc62e911349
TCGA-A8-A07Z-01A-11W-A019-09	BRCA	e4af33f9-f5fe-4e52-8ca0-991bbce2270d
TCGA-A8-A081-01A-11W-A019-09	BRCA	d29c3a5b-aab5-4d1b-bdaf-eb6fa405bc80
TCGA-A8-A082-01A-11W-A019-09	BRCA	575d25ea-eae7-423a-9464-d3b2806bf9eb
TCGA-A8-A083-01A-21W-A019-09	BRCA	1904e458-1a6c-4e91-88cc-10ee154ded5b
TCGA-A8-A084-01A-21W-A019-09	BRCA	6f6f7048-5b7a-4827-af2b-cfecc4a60025
TCGA-A8-A085-01A-11W-A019-09	BRCA	cbdea951-3dc9-42c2-bfdd-3796c30e928e
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TCGA-A8-A08A-01A-11W-A019-09	BRCA	0257d030-6d78-452c-9dcc-79fe50533543
TCGA-A8-A08B-01A-11W-A019-09	BRCA	267a951b-29b7-4849-9ea7-d2205838fcc7
TCGA-A8-A08F-01A-11W-A019-09	BRCA	4975eeda-984e-4a7a-8193-43d8b6e0271c
TCGA-A8-A08G-01A-11W-A019-09	BRCA	8da61928-e935-4a33-8e46-840e637163d7

TCGA-A8-A08H-01A-21W-A019-09	BRCA	26161c06-f816-489a-8800-e0a68a4ce78a
TCGA-A8-A08I-01A-11W-A019-09	BRCA	4525400d-0a2c-4cc7-9c71-9ad6d9faf93f
TCGA-A8-A08J-01A-11W-A019-09	BRCA	ae458901-e900-4aaa-bde6-3eda8912fbd5
TCGA-A8-A08L-01A-11W-A019-09	BRCA	8b819a59-f0c1-456a-9e81-64b5bed025c1
TCGA-A8-A08O-01A-21W-A071-09	BRCA	bc1398b9-d4ec-43e8-86bc-7025afaf93d5
TCGA-A8-A08P-01A-11W-A019-09	BRCA	2fbe3da3-ce62-4edf-933b-367f983e221a
TCGA-A8-A08R-01A-11W-A050-09	BRCA	05362091-8e04-46e2-81e7-1efddc0d8c63
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TCGA-A8-A08Z-01A-21W-A019-09	BRCA	96afb6d0-29ea-4bd5-8a9d-130e42954707
TCGA-A8-A090-01A-11W-A019-09	BRCA	783e4c13-8fa5-4591-9453-1e59ca167e10
TCGA-A8-A091-01A-11W-A019-09	BRCA	6618f367-c782-43a0-b5c8-a53d9bda6722
TCGA-A8-A092-01A-11W-A019-09	BRCA	732dd0ab-c869-4d35-973f-9db064680fb1
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TCGA-A8-A094-01A-11W-A019-09	BRCA	ab9bf7a6-688e-4388-9682-6b1616723fde
TCGA-A8-A095-01A-11W-A019-09	BRCA	d16f025a-4187-4632-b833-02a3ffa54210
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TCGA-A8-A09K-01A-11W-A019-09	BRCA	d8cd75f2-5ee5-4296-a781-a6a16ee94506
TCGA-A8-A09M-01A-11W-A019-09	BRCA	8e92515a-8049-4ebb-9117-a137c06e5d04
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TCGA-A8-A09Q-01A-11W-A019-09	BRCA	51a8ac83-bafa-4df7-a52d-a1e1fb45799d
TCGA-A8-A09R-01A-11W-A019-09	BRCA	35ebf91d-6fec-4d28-9b21-493d0e14f8db
TCGA-A8-A09T-01A-11W-A019-09	BRCA	e565da2b-4a3f-4be1-9cf7-2845145d1dbc
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TCGA-A8-A09X-01A-11W-A019-09	BRCA	48e532ea-2af5-427a-a784-781e208cced6
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TCGA-A8-A0A7-01A-11W-A019-09	BRCA	28be7b14-730d-44f7-bf93-a7590b4a08f8
TCGA-A8-A0A9-01A-11W-A019-09	BRCA	228e66eb-1dc6-4c01-8252-c557a8f53916

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TCGA-AC-A23C-01A-12D-A167-09	BRCA	91766158-e175-4270-bc01-8e853fc9f391
TCGA-AC-A23E-01A-11D-A159-09	BRCA	137cb73f-394a-459a-83e6-0b3c85c955cd
TCGA-AN-A03X-01A-21W-A019-09	BRCA	f177234e-e0a7-4f85-b73d-48e0080c805d
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TCGA-AN-A041-01A-11W-A050-09	BRCA	f18c7389-6c8d-485f-a7f7-a450a42e3719
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TCGA-AN-A0FF-01A-11W-A050-09	BRCA	cd45e46c-50bf-449e-bb40-29ccffbbd49c
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TCGA-AN-A0XL-01A-11D-A10M-09	BRCA	1b08a181-a73b-4506-aaa3-3521f2c57207
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TCGA-AN-A0XU-01A-11D-A10G-09	BRCA	537c5818-eb89-4b46-8915-2bb2b9e4545f
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TCGA-AN-A0XW-01A-11D-A10G-09	BRCA	200dba9e-201b-4634-a2cf-666e1f6710dc

TCGA-AO-A03L-01A-41W-A071-09	BRCA	743a29c4-e1cc-457a-8406-765f1a1bc114
TCGA-AO-A03N-01B-11D-A10M-09	BRCA	ef5987f1-46ac-430a-b94a-49afa0e286d4
TCGA-AO-A03O-01A-11W-A019-09	BRCA	1578b356-7f42-4722-bc54-cd5f37954f6a
TCGA-AO-A03P-01A-11W-A019-09	BRCA	185c5e15-c068-4a72-8d5e-468624bf958a
TCGA-AO-A03R-01A-21W-A050-09	BRCA	6d2dc4e3-f1ed-4ef0-ae83-e09c87756d56
TCGA-AO-A03T-01A-21W-A050-09	BRCA	cbea866d-da66-4f7c-994b-c1ec35aa2d4b
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TCGA-AO-A03V-01A-11D-A10Y-09	BRCA	d88c365f-366a-49d5-9860-b930aab3eb1b
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TCGA-AO-A0J3-01A-11W-A050-09	BRCA	ff706355-867e-4968-99ad-0af4e24ece51
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TCGA-AO-A0J5-01A-11W-A050-09	BRCA	93ae73f6-c355-47be-a355-faa78c0632d4
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TCGA-AO-A0JC-01A-11W-A071-09	BRCA	120f55df-5d1d-4073-a21a-632c892d3da9
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TCGA-AO-A0JI-01A-21W-A100-09	BRCA	861297ec-2c88-4717-ae63-eb8e21fe8c52
TCGA-AO-A0JJ-01A-11W-A071-09	BRCA	812191d1-6711-4efd-8932-c76159b60ffb
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TCGA-AO-A124-01A-11D-A10M-09	BRCA	987528ac-437a-4eb8-a335-4f2076d5c006
TCGA-AO-A125-01A-11D-A10M-09	BRCA	17669c6d-2eeb-4d56-ac72-f06bfaf7e42
TCGA-AO-A126-01A-11D-A10M-09	BRCA	85b39644-6f19-40dc-94c1-0afc93ee4981
TCGA-AO-A129-01A-21D-A10M-09	BRCA	cdf43c25-3ba7-4073-a92d-4a97f651f4a8
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TCGA-AO-A12B-01A-11D-A10M-09	BRCA	865ebd77-7b7d-4a27-b945-df5ec8d1f86a
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TCGA-AO-A12F-01A-11D-A10Y-09	BRCA	d1617673-57c2-40c1-a970-f3692ee13cf3
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TCGA-AO-A1KP-01A-11D-A13L-09	BRCA	bc36db60-3f6b-42c4-b03e-b7c74c3dda5c
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TCGA-AO-A1KS-01A-11D-A13L-09	BRCA	21074661-4b0f-4adc-b406-5801688a3ae9
TCGA-AO-A1KT-01A-11D-A13L-09	BRCA	97b33dc3-6a62-419a-aa6c-cb84c9f92102
TCGA-AQ-A04H-01B-11D-A10M-09	BRCA	73c13e04-1400-4ebb-aa80-f54becbe036c
TCGA-AQ-A04J-01A-02W-A050-09	BRCA	cce21f2b-784b-4fa0-9809-ae532c528f8e
TCGA-AQ-A04L-01B-21D-A10M-09	BRCA	e8d7feb0-981b-4ba0-b4d4-fa985064444b
TCGA-AQ-A0Y5-01A-11D-A14K-09	BRCA	4aa80fbd-a337-49b6-9371-223cbcfbc85d
TCGA-AQ-A1H2-01A-11D-A13L-09	BRCA	1ab2dc63-51ce-4a96-b7ad-f0d9eb198d10
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TCGA-AR-A0TR-01A-11D-A099-09	BRCA	58ca11bf-17b0-4cff-b210-5b85d8e66ef5
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TCGA-AR-A0TU-01A-31D-A10G-09	BRCA	31922dbe-3b4a-4ac1-98fc-db88ae851462
TCGA-AR-A0TV-01A-21D-A099-09	BRCA	0ec80200-12fe-479c-8ea0-982a9995f55a
TCGA-AR-A0TW-01A-11D-A099-09	BRCA	b40d49ed-bc30-4656-9f36-ffc280de2fb8
TCGA-AR-A0TX-01A-11D-A099-09	BRCA	63d635fa-d136-4e8a-a534-966ee678bb66
TCGA-AR-A0TY-01A-12W-A12T-09	BRCA	f915733b-aaf4-406d-af52-00de113e8e0c
TCGA-AR-A0TZ-01A-12D-A099-09	BRCA	90a26d5e-356b-424c-80bc-4723d24c594f
TCGA-AR-A0U0-01A-11D-A10G-09	BRCA	79e2c073-7727-4c34-ac28-5d7895144743
TCGA-AR-A0U1-01A-11D-A10Y-09	BRCA	265ceec6-e9a8-499e-adf6-0c18c598532e
TCGA-AR-A0U2-01A-11D-A10G-09	BRCA	f0194733-2347-43c4-a4a3-131642c27798
TCGA-AR-A0U3-01A-11D-A10G-09	BRCA	c8251555-77d3-4a20-9cc0-f7df0fda5955
TCGA-AR-A0U4-01A-11D-A117-09	BRCA	ed064e31-8fac-4f9c-8455-d7517f94e16b
TCGA-AR-A1AH-01A-11D-A12B-09	BRCA	ff4a0f5a-9f30-4a2b-9915-62f2df5ad155
TCGA-AR-A1AI-01A-11D-A12Q-09	BRCA	842846ea-881c-4d79-88d2-fc1703c58350
TCGA-AR-A1AJ-01A-21D-A12Q-09	BRCA	4e1f9084-4729-4b3f-b036-6226d64fd25b
TCGA-AR-A1AK-01A-21D-A12Q-09	BRCA	52f7c22f-84cb-4263-93bf-1ae8cf8abb2
TCGA-AR-A1AL-01A-21D-A12Q-09	BRCA	8495c66e-dc95-4eae-909b-b51b8bc84889
TCGA-AR-A1AN-01A-11D-A12Q-09	BRCA	9c879ced-92e8-4292-9b24-46005acab0f4
TCGA-AR-A1AO-01A-11D-A12Q-09	BRCA	b841db95-2eff-4181-8d44-3cde2f2f9e70
TCGA-AR-A1AP-01A-11D-A12Q-09	BRCA	597e37c9-f0c9-4839-800e-6e9519ec3add
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TCGA-AR-A1AR-01A-31D-A135-09	BRCA	008ba655-a0a3-42c4-8c72-f1341365ef02
TCGA-AR-A1AS-01A-11D-A12Q-09	BRCA	3f26f93c-e11a-4ec9-b73b-98fcadc209f4
TCGA-AR-A1AT-01A-11D-A12Q-09	BRCA	7e00d4fa-b951-44d8-8fbf-fc7b9f19772e
TCGA-AR-A1AU-01A-11D-A12Q-09	BRCA	d7cfef04-ce20-4aab-8e5b-8a1483bcaaa5
TCGA-AR-A1AV-01A-21D-A12Q-09	BRCA	0a0dd89c-5ec8-4015-9616-733e41361a64
TCGA-AR-A1AW-01A-21D-A12Q-09	BRCA	33c6b6b5-1484-4002-8f84-ba67525a8777
TCGA-AR-A1AX-01A-11D-A12Q-09	BRCA	71a3cf72-3539-4ade-97d1-6a1bd1ee4205
TCGA-AR-A1AY-01A-21D-A12Q-09	BRCA	15f90ef0-831b-40a3-98bd-ec226a9e8b26

TCGA-AR-A24H-01A-11D-A167-09	BRCA	6bb61dce-289d-4e39-8298-df5abe8049a2
TCGA-AR-A24K-01A-11D-A167-09	BRCA	df692383-1d6d-4caa-b44c-7a133ec4b7ee
TCGA-AR-A24L-01A-11D-A167-09	BRCA	2a93298a-d272-487c-ae4a-ec385844536e
TCGA-AR-A24M-01A-11D-A167-09	BRCA	722a8960-3a69-4f66-b972-74e6de94a1e8
TCGA-AR-A24N-01A-11D-A167-09	BRCA	b85b311c-1b29-44e3-8585-6995f9259221
TCGA-AR-A24O-01A-11D-A167-09	BRCA	2c9fc77f-951b-4764-911a-f0cff3174fb1
TCGA-AR-A24P-01A-11D-A167-09	BRCA	dbdcf82a-3d37-4cfb-a70b-9b69ada0e732
TCGA-AR-A24Q-01A-12D-A167-09	BRCA	a9d691f2-ad2a-4a3b-ae30-ed4af96d75f2
TCGA-AR-A24R-01A-11D-A167-09	BRCA	baf43433-0001-4495-a37f-9132eb213157
TCGA-AR-A24S-01A-11D-A167-09	BRCA	aad32a56-5b98-433e-bb6e-48e09a027db6
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TCGA-AR-A24U-01A-11D-A167-09	BRCA	567cdc6c-df03-4642-8cbc-a269769ce1a1
TCGA-AR-A24V-01A-21D-A167-09	BRCA	bb77af66-bb8f-4590-9be8-5f729373c555
TCGA-AR-A24W-01A-11D-A17G-09	BRCA	454e7cd4-8424-4cad-8fbb-f69affa5d1bf
TCGA-AR-A24X-01A-11D-A167-09	BRCA	53d55f5a-df86-44d7-a3a2-2dccc2557b7b
TCGA-AR-A24Z-01A-11D-A167-09	BRCA	c11f2060-d3fb-4e3d-8058-b8cce44af519
TCGA-AR-A250-01A-31D-A167-09	BRCA	f7d9a372-fcd1-4462-9e0b-7eb46ddb68fd
TCGA-AR-A251-01A-12D-A167-09	BRCA	68b4de6d-352d-44e8-911a-f4541f28fc78
TCGA-AR-A252-01A-11D-A167-09	BRCA	e800d9b3-32a1-48eb-840b-9a3bec9d1f6e
TCGA-AR-A254-01A-21D-A167-09	BRCA	fe2bdac0-832e-4268-bd8f-5dcfffd1979
TCGA-AR-A255-01A-11D-A167-09	BRCA	505f1398-0bd8-4f1c-a142-651605158bf3
TCGA-AR-A256-01A-11D-A167-09	BRCA	ea43434b-197e-48ac-ae2e-46bc7f3776de
TCGA-B6-A0I2-01A-11W-A050-09	BRCA	a9cae7c8-a62b-46ad-a98b-82e6b5fddf00
TCGA-B6-A0I5-01A-11W-A100-09	BRCA	f1139266-fade-4d27-ac67-60870e666295
TCGA-B6-A0I6-01A-11D-A128-09	BRCA	a876398c-5b1d-444f-a360-5fe2db697480
TCGA-B6-A0I8-01A-11W-A050-09	BRCA	ba80b13a-e20a-441b-b845-b617cc861ce7
TCGA-B6-A0I9-01A-11W-A050-09	BRCA	d2291482-9bbb-4f8f-a65b-c0737cf3acea
TCGA-B6-A0IA-01A-11W-A050-09	BRCA	f7e5ada6-8f53-4765-a874-5ee9d258ad6a
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TCGA-B6-A0IC-01A-11W-A050-09	BRCA	f23fd730-0a18-4e3b-a2ed-f1a4231c2b53
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TCGA-B6-A0IM-01A-11W-A050-09	BRCA	e99a4753-10db-4823-953d-e878a90e6b01
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TCGA-B6-A0IQ-01A-11W-A050-09	BRCA	583964cf-84ad-4ef1-90d1-2f6bfbbe245a
TCGA-B6-A0RE-01A-11W-A071-09	BRCA	db2bd5cf-f0a7-4874-89eb-15029447dae1

TCGA-B6-A0RG-01A-11W-A071-09	BRCA	9431c642-610e-4325-97b8-8b4c5c81cadd
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TCGA-B6-A0RI-01A-11W-A071-09	BRCA	50d83050-b98c-4a1a-a673-91dbc67c37c6
TCGA-B6-A0RL-01A-11D-A099-09	BRCA	0d28966d-e03b-4b2a-ba07-b8f195efc29b
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TCGA-BH-A0E2-01A-11W-A071-09	BRCA	2703ce22-3ffa-4094-b3f1-1f573b5204a9
TCGA-BH-A0E6-01A-11W-A050-09	BRCA	1c55939a-ac58-4ed9-8a6e-01bae8ac12f7
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TCGA-BH-A0H0-01A-11W-A071-09	BRCA	69110467-4cf5-4b5d-a2dd-b1c91e786959
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TCGA-BH-A0HO-01A-11W-A050-09	BRCA	354172e7-3e54-4ec4-88fa-fd7781cc86ae
TCGA-BH-A0HP-01A-12D-A099-09	BRCA	ad52a8fb-7a76-4aa0-95fb-d6edab0fe2b2
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TCGA-BH-A0HX-01A-21W-A071-09	BRCA	27df78cd-1f39-42f3-92e6-56664d4c472c
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TCGA-BH-A0RX-01A-21D-A099-09	BRCA	48115e9a-5027-455a-a88e-c3d991dbf966
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TCGA-BH-A0W5-01A-11D-A10G-09	BRCA	aca1d737-c24c-49fd-86c0-ab2b29cd28de
TCGA-BH-A0W7-01A-11D-A10Y-09	BRCA	7d20774c-6aac-4eb0-a876-1be14e0f3004
TCGA-BH-A0WA-01A-11D-A10G-09	BRCA	4076f947-a1f0-4101-9a79-79828eb3bbe3
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TCGA-BH-A18H-01A-11D-A12B-09	BRCA	d3c1b990-aae2-45f8-be28-8ccd192a0fab
TCGA-BH-A18I-01A-11D-A12B-09	BRCA	f0ca4831-d56d-4bae-b304-bb43c5d2f09b
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TCGA-BH-A18M-01A-11D-A12B-09	BRCA	0e548c1e-cbb7-4432-8112-bb262a1ef9d9
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TCGA-BH-A18P-01A-11D-A12B-09	BRCA	add624a3-57e9-46be-9bcc-3e53d7c2dfb7
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TCGA-BH-A18T-01A-11D-A12B-09	BRCA	4e0ddfcb-e847-4132-bdce-aaee2e027b28
TCGA-BH-A18U-01A-21D-A12B-09	BRCA	a8400863-c145-4c6c-bcf3-e4cc4d816d22
TCGA-BH-A18V-01A-11D-A12B-09	BRCA	6150dd25-a8f4-4d9f-9da0-f956855ab67d
TCGA-BH-A1EN-01A-11D-A17G-09	BRCA	ca100ef0-be45-415f-909d-7172261d0084
TCGA-BH-A1EO-01A-11D-A135-09	BRCA	20131381-8a11-425d-8954-980e6ec7c427
TCGA-BH-A1ES-01A-11D-A135-09	BRCA	7ecda44b-e942-4077-9d18-2a844ec53c9d
TCGA-BH-A1ET-01A-11D-A135-09	BRCA	9bd66613-68ad-42c1-ab43-dac1386027f9
TCGA-BH-A1EU-01A-11D-A135-09	BRCA	dc578e75-e63c-4bdf-abfa-e2d063c9cd6d
TCGA-BH-A1EV-01A-11D-A135-09	BRCA	43fbe2a9-078a-4be2-b67c-b855329091f0
TCGA-BH-A1EW-01A-11D-A135-09	BRCA	c6f4b1b6-a8dd-4a9a-a500-b14a738fe18f
TCGA-BH-A1EX-01A-11D-A13L-09	BRCA	537b1685-0882-48ee-a38a-a05b5d1c8ba1
TCGA-BH-A1EY-01A-11D-A13L-09	BRCA	7c035023-8ea9-4504-8f03-9573745cb6ef
TCGA-BH-A1F0-01A-11D-A135-09	BRCA	3903b485-366d-4318-b17d-a0194f032bd8
TCGA-BH-A1F2-01A-31D-A13L-09	BRCA	a5c67494-d843-4b14-ba9c-d077396ed2dc
TCGA-BH-A1F5-01A-12D-A13L-09	BRCA	82121518-98d6-4db6-8be4-74bbe232a9ed
TCGA-BH-A1F6-01A-11D-A13L-09	BRCA	34eb095d-3d44-4c59-9ef5-94592ba97900
TCGA-BH-A1F8-01A-11D-A13L-09	BRCA	030cfc8a-7b43-4d73-8bfa-b68a47749e49
TCGA-BH-A1FC-01A-11D-A13L-09	BRCA	84c77098-03d0-4b22-afb1-797703e85c6c
TCGA-BH-A1FD-01A-11W-A14Q-09	BRCA	b372b5cd-4c38-4cd3-95e0-8708ce5437e7
TCGA-BH-A1FE-01A-11D-A13L-09	BRCA	5e71fc3a-a2f4-4899-9c1f-8fee1ef29e2e
TCGA-BH-A1FG-01A-11D-A13L-09	BRCA	311f2f1a-75c8-4fee-b31d-0815d71a3173
TCGA-BH-A1FH-01A-12D-A13L-09	BRCA	fd6bd486-6371-4892-863e-64838fcea624
TCGA-BH-A1FJ-01A-11D-A13L-09	BRCA	dc62eafd-b5ad-42b4-9665-11ba6b22cff5

TCGA-BH-A1FL-01A-11D-A13L-09	BRCA	bb84cbb1-7244-4d92-8977-a37dbafc47b4
TCGA-BH-A1FM-01A-11D-A13L-09	BRCA	7cb17736-03da-4f77-8397-145585a25b1e
TCGA-BH-A1FN-01A-11D-A13L-09	BRCA	bf92d76e-31ff-4273-82ea-982c4c26394b
TCGA-BH-A1FR-01A-11D-A13L-09	BRCA	a589f5ac-105c-45d6-96e1-55e3080f999c
TCGA-BH-A1FU-01A-11D-A14G-09	BRCA	9efd4bfb-d4e4-487e-8d1c-a19c2d62e3cf
TCGA-BH-A201-01A-11D-A14K-09	BRCA	df6e619f-67a5-49f3-9768-4826aa2c9d1b
TCGA-BH-A202-01A-11D-A14K-09	BRCA	e6feb69a-8827-4d43-94aa-036cf5150549
TCGA-BH-A203-01A-12D-A167-09	BRCA	128b9209-2201-428c-87e7-65690bfe3875
TCGA-BH-A204-01A-11D-A159-09	BRCA	2454d30f-1ca5-4f01-bfce-6ae10e84e75a
TCGA-BH-A208-01A-11D-A159-09	BRCA	ae749fbb-6de7-4c51-b9d6-80a2ce7b5a29
TCGA-BH-A209-01A-11D-A17G-09	BRCA	4eaf8116-4733-4865-8e22-5d03887bbc9b
TCGA-BH-A28Q-01A-11D-A16D-09	BRCA	0698379c-8f4e-460d-b7da-d3f6179dafd7
TCGA-C8-A12K-01A-21D-A10Y-09	BRCA	bcf92c27-3aa7-4449-9c7a-fc715789788f
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TCGA-C8-A12O-01A-11D-A10Y-09	BRCA	51dbda2a-106b-4597-aa49-609b677866c8
TCGA-C8-A12P-01A-11D-A10Y-09	BRCA	540fe594-0186-40d3-b519-c1ccee82247
TCGA-C8-A12Q-01A-11D-A10Y-09	BRCA	b6b4af38-7ebb-4fa8-9876-6d88d2b1e7e4
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TCGA-C8-A130-01A-31D-A10Y-09	BRCA	da70101d-10c2-47ab-bce1-7757dcb08a2
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TCGA-C8-A132-01A-31D-A10Y-09	BRCA	c038ab30-af2f-4771-bf82-def19f32efab
TCGA-C8-A133-01A-32D-A12B-09	BRCA	641e848d-e3e2-46a7-ad42-5e5672639816
TCGA-C8-A134-01A-11D-A10Y-09	BRCA	a3e8738b-2456-4f08-bb3d-5debb4265f85
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TCGA-C8-A1HE-01A-11D-A188-09	BRCA	8314bada-5bd3-4cd2-b308-4cb2db64de94
TCGA-C8-A1HF-01A-11D-A135-09	BRCA	508a26f2-d117-44aa-b579-00a119b8bcc4
TCGA-C8-A1HG-01A-11D-A135-09	BRCA	ba937e3d-30b7-4446-84fb-5f77831a4843
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TCGA-C8-A1HK-01A-21D-A13L-09	BRCA	357e0b08-fa33-4f58-92b0-d7293b63c01d
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TCGA-C8-A26V-01A-11D-A16D-09	BRCA	6c5a83f5-983f-434c-ac29-ddb84a7f1019
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TCGA-C8-A274-01A-11D-A16D-09	BRCA	5e6e7c20-47b3-4f0e-a3c7-8293993e39cf
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TCGA-D8-A27R-01A-11D-A16D-09	BRCA	27741c13-8d5f-43b8-8651-caf69acef0e4
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TCGA-E2-A10A-01A-21D-A10Y-09	BRCA	cd49ccc5-a776-4307-930c-298ba6cfd79

TCGA-E2-A10B-01A-11D-A10M-09	BRCA	9d712002-74cb-459a-b350-e9a4b49aac13
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TCGA-E2-A10F-01A-11D-A10M-09	BRCA	530b7e22-e70a-46ef-a0e8-bf2ef814850a
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TCGA-E2-A14T-01A-11D-A10Y-09	BRCA	14c1c6b6-575e-416b-b219-15552b62ea74
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TCGA-E2-A14W-01A-11D-A12B-09	BRCA	fbdc8659-e9cc-483f-bd0a-1a24b5ada1cf
TCGA-E2-A14X-01A-11D-A10Y-09	BRCA	74039acd-5aca-4c65-818c-3b577d295be0
TCGA-E2-A14Z-01A-11D-A10Y-09	BRCA	c83eaaca-ced5-4630-abb5-ef34db888753
TCGA-E2-A150-01A-11D-A12B-09	BRCA	446064de-ff64-4113-9080-360e5bf6d5e4
TCGA-E2-A152-01A-11D-A12B-09	BRCA	b266b370-425c-4146-8b72-59248436618e
TCGA-E2-A154-01A-11D-A10Y-09	BRCA	336e39fb-d407-4ced-b7bb-e8ff5329abdb
TCGA-E2-A155-01A-11D-A12B-09	BRCA	a966904f-e8dd-473c-8626-84c25d7e0d6c
TCGA-E2-A156-01A-11D-A12B-09	BRCA	26003dce-0fc6-4538-a392-c80e1ebaa1e4
TCGA-E2-A159-01A-11D-A10Y-09	BRCA	757c8a2d-90cf-4dab-a4dd-45f3cbdeaeeb
TCGA-E2-A15A-01A-11D-A12B-09	BRCA	b7e3eff1-65d5-491f-a726-35dc6752b370
TCGA-E2-A15C-01A-31D-A12B-09	BRCA	10c594a1-0843-4740-9d96-00211a9509fb
TCGA-E2-A15D-01A-11D-A10Y-09	BRCA	891295d6-4dd0-4ab4-bbce-13da7f3c30d0
TCGA-E2-A15E-01A-11D-A12B-09	BRCA	c6f107df-1186-4d6d-b5b5-2393e9369dd1
TCGA-E2-A15F-01A-11D-A10Y-09	BRCA	33edf937-b09f-49ec-8f4c-e05dee7ece1f
TCGA-E2-A15G-01A-11D-A12B-09	BRCA	d45bb60a-e73b-4b95-8637-e8d17fcca745
TCGA-E2-A15H-01A-11D-A12B-09	BRCA	7875c5b3-ced2-4669-a3d5-45739b850af7
TCGA-E2-A15I-01A-21D-A135-09	BRCA	9bec02b4-7cf0-4797-b1ac-253ef78a34af
TCGA-E2-A15J-01A-11D-A12Q-09	BRCA	e5fd7cbd-8fce-49e9-8d2c-d2a2e61367a5
TCGA-E2-A15O-01A-11D-A10Y-09	BRCA	39c1df91-b670-4f6b-b5ff-dbb6b66d30af
TCGA-E2-A15P-01A-11D-A10Y-09	BRCA	5f1853c2-6579-42d0-adc2-636b5de543e4
TCGA-E2-A15R-01A-11D-A10Y-09	BRCA	11799240-0275-48fe-84ef-85e188839bbe
TCGA-E2-A15S-01A-11D-A10Y-09	BRCA	01f78efa-ba0b-4263-81fd-d3d8ea1bc5fd
TCGA-E2-A15T-01A-11D-A10Y-09	BRCA	eff74709-36af-4da4-91c1-01100ddc7735
TCGA-E2-A1AZ-01A-11D-A12Q-09	BRCA	f961c932-cf37-47c8-8520-8d0d444dc94f
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TCGA-E2-A1B1-01A-21D-A12Q-09	BRCA	a6e77a14-e5e5-452e-a46f-5629ee8228e3
TCGA-E2-A1B4-01A-11D-A12Q-09	BRCA	a6aa4529-7996-4b66-9632-2559293db35d
TCGA-E2-A1B6-01A-31D-A12Q-09	BRCA	1aaf88fc-f7cb-4239-a420-224352194160
TCGA-E2-A1BD-01A-11D-A12Q-09	BRCA	f5ac1986-272b-48d2-9a73-4a550e38a997
TCGA-E2-A1IE-01A-11D-A188-09	BRCA	e416f05b-c7d2-479b-8068-803492e86d86

TCGA-E2-A1IF-01A-11D-A142-09	BRCA	7751c2d5-e548-4439-aac1-e7b9dce97583
TCGA-E2-A1IG-01A-11D-A142-09	BRCA	84da47a3-49e1-4f94-bea9-dd20b6627adb
TCGA-E2-A1IH-01A-11D-A188-09	BRCA	cd886e35-4201-4732-90c6-142d8fe309b1
TCGA-E2-A1II-01A-11D-A142-09	BRCA	698c8a73-c6b6-45bd-82fc-9bd0f140729d
TCGA-E2-A1IJ-01A-11D-A142-09	BRCA	3aff2da1-1647-4b95-abdb-c9db923cfc22
TCGA-E2-A1IK-01A-11D-A17G-09	BRCA	8577ac01-1274-4bd5-ab04-380eaa78d95b
TCGA-E2-A1IL-01A-11D-A14G-09	BRCA	1540ae03-7bb4-418b-afbc-44bf3ad60a31
TCGA-E2-A1IN-01A-11D-A13L-09	BRCA	9e85559f-098e-4b0f-8034-4798789e710b
TCGA-E2-A1IO-01A-11D-A142-09	BRCA	986e9b9f-ae15-4743-a150-d6ee11f3c077
TCGA-E2-A1IU-01A-11D-A14G-09	BRCA	7fed5fda-8155-4b48-afb9-9e7958627113
TCGA-E2-A1IL6-01A-11D-A13L-09	BRCA	f610239f-5610-4d7b-bc31-ae3ccb9c425d
TCGA-E2-A1L7-01A-11D-A142-09	BRCA	33a09072-6554-4d46-b738-0852624940af
TCGA-E2-A1L8-01A-11D-A13L-09	BRCA	04a7762f-2cbb-498b-ab4e-921406c1aec0
TCGA-E2-A1L9-01A-11D-A13L-09	BRCA	a50cd2b2-913d-41bf-94ad-45464547b348
TCGA-E2-A1LA-01A-11D-A142-09	BRCA	bdc4800-3258-446f-b6e5-3c8e2f46c656
TCGA-E2-A1LB-01A-11D-A142-09	BRCA	377b1816-61e1-431a-9952-71e4d58bbd48
TCGA-E2-A1LG-01A-21D-A14K-09	BRCA	7cdb0e8-f614-4f54-b864-fd6b39e8ef1c
TCGA-E2-A1LH-01A-11D-A14G-09	BRCA	605f1d27-db45-449a-a68f-4888b8c786a1
TCGA-E2-A1LI-01A-12D-A159-09	BRCA	c812374c-8bc9-4ccf-9157-fbd9d162ee1e
TCGA-E2-A1LK-01A-21D-A14G-09	BRCA	4e84eed6-82a8-4e91-b0fd-61ec6ef69ce9
TCGA-E2-A1LL-01A-11D-A142-09	BRCA	47312f61-5ef4-4f25-9320-8fbb4758790e
TCGA-E2-A1LS-01A-12D-A159-09	BRCA	40087f80-85f6-4cc4-95c9-0639153dd3f4
TCGA-E9-A1N3-01A-12D-A159-09	BRCA	6c3891a9-baa9-4309-9974-d82fd5f97417
TCGA-E9-A1N4-01A-11D-A14K-09	BRCA	a3784a48-47a7-4587-91dd-5b8873a24ca9
TCGA-E9-A1N5-01A-11D-A14G-09	BRCA	432a9f5e-0f2a-4cd2-a910-ee9ee30c1ff3
TCGA-E9-A1N8-01A-11D-A142-09	BRCA	cac57844-0e46-489b-8d94-cccc5788c050
TCGA-E9-A1N9-01A-11D-A14G-09	BRCA	2aa7a1db-40a5-421b-97ab-1031e6fa7f04
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TCGA-E9-A1NC-01A-12W-A16L-09	BRCA	2ba4c398-b94b-49f8-bb88-9d0cb3347d2c
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TCGA-E9-A1NE-01A-21D-A14K-09	BRCA	dbd34322-ac40-41f0-acc7-7bfd06afdf67
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TCGA-E9-A1NG-01A-21D-A14K-09	BRCA	1cbf389d-1ec8-4543-880f-4ef64c55a44b
TCGA-E9-A1NH-01A-11D-A14G-09	BRCA	13c312ec-0add-4758-ab8d-c193e2e08c6d
TCGA-E9-A1NI-01A-11W-A16H-09	BRCA	3bf0b169-f870-4887-be06-414f20f1dcf0
TCGA-E9-A1QZ-01A-21D-A167-09	BRCA	2d47b244-e5e4-4645-91cb-71de1d685a95
TCGA-E9-A1R0-01A-22D-A16D-09	BRCA	c09eaa03-c14c-4a96-a505-4d999e45270e
TCGA-E9-A1R2-01A-11D-A14G-09	BRCA	b321a2d9-5345-4891-b450-bfd696c6cfb0
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TCGA-E9-A1RA-01A-11D-A14G-09	BRCA	6d067461-2002-468e-934d-2721f6cb97ff
TCGA-E9-A1RB-01A-11D-A17G-09	BRCA	2ce0333c-deca-4199-a06c-ede43c5575fc
TCGA-E9-A1RC-01A-11D-A159-09	BRCA	5b5e7eb2-8efc-4681-ab8c-49a9cc4ac6d6
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TCGA-E9-A1RI-01A-11D-A167-09	BRCA	661c0074-dac9-44c6-bebc-202cfb9fb735
TCGA-E9-A226-01A-21D-A159-09	BRCA	866e5e9b-4e6c-49e2-9ea6-560f9bd99c2b
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TCGA-E9-A228-01A-31D-A159-09	BRCA	4a804a8d-7dc8-4b5b-9537-b7f8f7133bda
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TCGA-E9-A22B-01A-11D-A159-09	BRCA	e46a5d19-2dd7-4c34-8fff-6276278c58b3
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TCGA-E9-A22H-01A-11D-A159-09	BRCA	42993dbb-b99b-4b48-8038-05cf14fec886
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TCGA-E9-A244-01A-11D-A167-09	BRCA	9edf63e8-ae94-4b2f-8521-b56dadc21cd5
TCGA-E9-A245-01A-22D-A16D-09	BRCA	bdd591f9-21d1-4ce5-bfde-30e7ac3d440a
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TCGA-EW-A1IY-01A-11D-A188-09	BRCA	01d3fddf-b447-4925-a5cb-c5fd70c97278
TCGA-EW-A1IZ-01A-11D-A188-09	BRCA	18db4143-48cc-424c-8d23-46cf23056528
TCGA-EW-A1J1-01A-11D-A188-09	BRCA	4b8d51b3-8393-45d4-a73d-3c22c561d6f3
TCGA-EW-A1J2-01A-21D-A13L-09	BRCA	c906931e-dc1a-434c-96cd-58088762f1e7
TCGA-EW-A1J3-01A-11D-A13L-09	BRCA	ac13b81a-ca05-432c-918a-0c9e8170bf46
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TCGA-EW-A1J6-01A-11D-A188-09	BRCA	d95c5cb1-d081-47fa-8ac0-1ade7652a0af
TCGA-EW-A1OV-01A-11D-A142-09	BRCA	e27ca8f5-3f76-4531-87ea-ba3a44f6830d
TCGA-EW-A1OX-01A-11D-A142-09	BRCA	7828f9cf-aa93-44a0-8070-cfd90a677f0
TCGA-EW-A1OY-01A-11D-A142-09	BRCA	925323a2-ca03-48f4-8c37-1a8a6f8a6daa

TCGA-EW-A1OZ-01A-11D-A142-09	BRCA	a73152be-2293-403d-940b-74ac05810808
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TCGA-EW-A1P1-01A-31D-A14G-09	BRCA	28a56927-bab8-4a8c-be11-f46e37ea34c1
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TCGA-EW-A1P4-01A-21D-A142-09	BRCA	204e4ef3-e6b8-469f-9024-56c6f6f07afd
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TCGA-EW-A1PH-01A-11D-A14K-09	BRCA	ce860c6f-c87a-4a45-92df-ca34bfb2e8b2
TCGA-GI-A2C8-01A-11D-A16D-09	BRCA	535a899d-67ca-4500-8dda-63a331a3611c
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TCGA-AA-3666-01A-02W-0900-09	COAD	d7065ea5-88b0-4b56-a367-5defa0d9ed27
TCGA-AA-3667-01A-01W-0900-09	COAD	c2799cdc-c6f7-44ba-a72c-e1632b434575
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TCGA-AA-3679-01A-02W-0900-09	COAD	94cfbc05-df22-4db0-9aa0-808faab01c61
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TCGA-AA-3715-01A-01W-0900-09	COAD	554258ce-99c3-49a3-bfbf-131ec867a0e9
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TCGA-AA-3814-01A-01W-0900-09	COAD	733e8b21-718b-405d-b860-ed36c70a8411
TCGA-AA-3818-01A-01W-0900-09	COAD	9ddb06a8-300e-40d2-8f6a-c851e2f90d90
TCGA-AA-3819-01A-01W-0900-09	COAD	0192a572-a235-400d-8fb1-af81e40d3763
TCGA-AA-3831-01A-01W-0900-09	COAD	7843d5c1-373d-4a55-82b8-db2f8ead890c
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TCGA-AA-3837-01A-01W-0900-09	COAD	888c1825-a44b-49cb-bed1-09db01e54b75
TCGA-AA-3848-01A-01W-0900-09	COAD	729fbad4-0152-44e5-b26b-dffc1f7dcf70

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TCGA-AA-3994-01A-01W-1073-09	COAD	4348f66a-e104-4fdd-bdee-2f346832835d
TCGA-AA-A004-01A-01W-A00E-09	COAD	0b856311-aa63-44b7-a191-9d6d8308c3d0
TCGA-AA-A00N-01A-02W-A00E-09	COAD	dfb1aec9-d196-49e6-bdb1-9318222b8121
TCGA-AA-A00O-01A-02W-A00E-09	COAD	0328eea5-c89c-4462-8af8-48a28ed38537
TCGA-AA-A010-01A-01W-A00E-09	COAD	77cdeb19-16fa-4330-921c-e21f17c2298e
TCGA-AA-A017-01A-01W-A00E-09	COAD	a0ad6347-d20c-494a-a094-b816c4fec5de
TCGA-AA-A01D-01A-01W-A00E-09	COAD	e00404be-0bea-4893-89cf-cc24073f10b1
TCGA-AA-A01I-01A-02W-A00E-09	COAD	ee78a7e5-6ddb-4d06-8fb1-ba7300af59e1
TCGA-AA-A01K-01A-01W-A00E-09	COAD	7b7c405e-65c8-4633-ac54-0a112fb478ac
TCGA-AA-A024-01A-02W-A00E-09	COAD	45a6b8e2-a4a7-400e-ba7a-f93c29f50fe4
TCGA-AA-A029-01A-01W-A00E-09	COAD	41be5565-479e-4c56-b48b-1de52dad2299
TCGA-AA-A02F-01A-01W-A00E-09	COAD	68c4226b-dfbd-4130-b50e-94839bcb1b0f
TCGA-AA-A02H-01A-01W-A00E-09	COAD	1cbf3771-fb49-4517-83ba-8e112fcb1d00
TCGA-AA-A02J-01A-01W-A00E-09	COAD	5d03450f-b249-4dcd-927b-713158acc8b2
TCGA-AA-A02W-01A-01W-A00E-09	COAD	2104138f-b09d-4452-91e1-c4a10382f009
TCGA-AY-4070-01A-01W-1073-09	COAD	a7a74785-31cf-4527-bae2-991d7df97b5f
TCGA-AY-4071-01A-01W-1073-09	COAD	80aa3f17-b072-4e59-a6fc-1afe016fa477
TCGA-02-0003-01A-01D-1490-08	GBM	458f13e0-34f3-4a92-b3b3-9a3c2ee3ef23
TCGA-02-0033-01A-01D-1490-08	GBM	39d1f122-31d0-4e1c-95a7-0e65e75b1457
TCGA-02-0047-01A-01D-1490-08	GBM	ce03026e-b756-43a2-972d-b3a4dcda5491
TCGA-02-0055-01A-01D-1490-08	GBM	9cd89af4-5118-4adb-aa1d-fbd03bf42a33
TCGA-02-2470-01A-01D-1494-08	GBM	0b35f2ff-2a08-4585-a1a9-cfc6a9f5b224
TCGA-02-2483-01A-01D-1494-08	GBM	4d7f2c74-862b-4aad-98e1-fa831f14a905
TCGA-02-2485-01A-01D-1494-08	GBM	0332b017-17d5-4083-8fc4-9d6f8fdbbbde
TCGA-02-2486-01A-01D-1494-08	GBM	3331813c-f538-4833-b5eb-a214b7d52334
TCGA-06-0119-01A-08D-1490-08	GBM	0cda6181-c62b-4ced-a543-d6138fd2e94a
TCGA-06-0122-01A-01D-1490-08	GBM	08c54819-32fa-455d-a443-fc71dfd3f03a
TCGA-06-0124-01A-01D-1490-08	GBM	6ae82bf8-7076-43fb-a541-4c7db5d49280
TCGA-06-0125-02A-11D-2280-08	GBM	96e3db14-2bb1-4f68-aed6-5e794750c96e
TCGA-06-0126-01A-01D-1490-08	GBM	c3c3059d-e2fb-45ea-80b5-99fb040cba29
TCGA-06-0128-01A-01D-1490-08	GBM	c5688535-bda4-4831-aaba-e0c19101d7b0
TCGA-06-0129-01A-01D-1490-08	GBM	73e7aa35-91b4-4392-bbb9-9ec21f30250c
TCGA-06-0130-01A-01D-1490-08	GBM	c09f0ebd-d604-49a3-9738-0c65fd47fbf9

TCGA-06-0132-01A-02D-1491-08	GBM	53c2e159-5774-499f-b0d1-e04fa3faf5c3
TCGA-06-0137-01A-01D-1490-08	GBM	37c11dfc-c37c-4cb6-bd81-9e0a7789b0f1
TCGA-06-0139-01A-01D-1490-08	GBM	c84ff17d-436d-49c1-ae2-b998ffe4a693
TCGA-06-0140-01A-01D-1490-08	GBM	18c94086-d2cc-45cd-9bad-f8968a042d5e
TCGA-06-0141-01A-01D-1490-08	GBM	5af251d5-e76b-480c-8142-6d6fbfce0b2a
TCGA-06-0142-01A-01D-1490-08	GBM	4bce79ce-c59c-4d86-b25f-28c8edda1651
TCGA-06-0145-01A-01W-0224-08	GBM	8f904068-2967-4b38-8813-3ad0a99e4af8
TCGA-06-0151-01A-01D-1491-08	GBM	5fea9ebc-8c1b-4078-af87-79c7f5b5470b
TCGA-06-0152-01A-02W-0323-08	GBM	79062efd-2b09-4798-a504-0a18ca30ef2d
TCGA-06-0154-01A-03D-1491-08	GBM	f5045707-3ddd-4ade-959a-b368437752fb
TCGA-06-0155-01B-01D-1492-08	GBM	2dc59e9b-3a60-4178-9fa0-81cf5171622d
TCGA-06-0157-01A-01D-1491-08	GBM	b1e62d8e-24d2-4118-8cd0-3142acebdd5b
TCGA-06-0158-01A-01D-1491-08	GBM	14580533-4a0c-47ca-bb51-c233700de35c
TCGA-06-0165-01A-01D-1491-08	GBM	1728988e-0877-4194-92c5-92c1ee6c5f5b
TCGA-06-0166-01A-01D-1491-08	GBM	70157018-a3c5-4ef8-9314-f8715a3438a4
TCGA-06-0167-01A-01D-1491-08	GBM	d530c696-235d-4a41-944d-e7f7ae21aa17
TCGA-06-0168-01A-01D-1491-08	GBM	2b3bab1e-dddd-4c2c-b5ec-7bb6e700e070
TCGA-06-0169-01A-01D-1490-08	GBM	06053a14-2d9a-4df0-a79b-81bda36bf3c3
TCGA-06-0171-02A-11D-2280-08	GBM	39520be3-a2af-4189-acf4-9d239363333a
TCGA-06-0173-01A-01D-1491-08	GBM	0908aac1-d3b7-4eec-96f2-a28c3738388c
TCGA-06-0174-01A-01D-1491-08	GBM	017c9167-0354-41e4-ad50-fb38fbc5668c
TCGA-06-0178-01A-01D-1491-08	GBM	a4fa779b-d116-4696-b170-60f3e215e9fb
TCGA-06-0184-01A-01D-1491-08	GBM	a5a2e50f-dc7e-44cc-bffe-b675a707bf53
TCGA-06-0185-01A-01W-0254-08	GBM	bc62d57d-b536-41ab-a344-e765fd3f7439
TCGA-06-0188-01A-01W-0254-08	GBM	cc0c78e7-1d76-45e6-b043-dc209bb9a32a
TCGA-06-0189-01A-01D-1491-08	GBM	25c64c53-746c-4e92-976a-8bd947fb9c7f
TCGA-06-0190-02A-01D-2280-08	GBM	c065761d-f775-457f-bda0-4c7c257a701e
TCGA-06-0192-01B-01W-0348-08	GBM	43d7bc6f-be9b-4d5e-bcec-4fb30b0d9b65
TCGA-06-0195-01B-01D-1491-08	GBM	2a2fac52-44aa-41f7-ae27-de6b7eba8ff1
TCGA-06-0209-01A-01D-1491-08	GBM	b4a7de67-14b6-4b8c-abbe-9eaa990d905e
TCGA-06-0210-02A-01D-2280-08	GBM	b60392fb-43d9-4c9c-b91b-ded40492e61c
TCGA-06-0211-02A-02D-2280-08	GBM	3914c02e-44ad-4c96-8464-61aa95b42c49
TCGA-06-0213-01A-01D-1491-08	GBM	885f9df7-fc27-43c2-9acc-833c410b2db1
TCGA-06-0214-01A-02D-1491-08	GBM	08ac57ec-0036-4134-a9bb-f22eaa27ab0d
TCGA-06-0216-01B-01D-1492-08	GBM	eac73a02-b2e0-4601-9bd6-aceb07594fe8
TCGA-06-0219-01A-01D-1491-08	GBM	a6c6c454-058f-41ec-93c3-3cff44bed149
TCGA-06-0221-02A-11D-2280-08	GBM	b2d17671-d2e1-4c97-8b01-a976d5abeld6
TCGA-06-0237-01A-02D-1491-08	GBM	a50b5271-484a-436e-ac6f-6074071015fd
TCGA-06-0238-01A-02D-1492-08	GBM	7e8c6b9f-0fec-49ea-9ecb-c9ba1fb4cb74
TCGA-06-0240-01A-03D-1491-08	GBM	20f74001-1cb8-451d-8173-5795fa93432b
TCGA-06-0241-01A-02D-1491-08	GBM	4dd4035a-c800-41b0-85c9-02531d2910ed

TCGA-06-0644-01A-02D-1492-08	GBM	2553c4d2-5f6a-4eba-84b6-04c4761ebf5c
TCGA-06-0645-01A-01D-1492-08	GBM	3f458a3c-baac-427d-b3d6-6f15104a8886
TCGA-06-0646-01A-01D-1492-08	GBM	89742b5d-0256-48c7-8d8f-41b6e5e5b561
TCGA-06-0648-01A-01W-0323-08	GBM	33f8304e-11c3-4a9d-ad21-ffea555309dc
TCGA-06-0649-01B-01W-0348-08	GBM	27af6a5f-993d-41f0-a9af-65e5a8cc41d4
TCGA-06-0650-01A-02D-1696-08	GBM	89af56db-b7f9-41d2-af62-c9b2ee7b540f
TCGA-06-0686-01A-01W-0348-08	GBM	4af220fa-c00b-40b1-ae82-b2c256a3d3fe
TCGA-06-0743-01A-01D-1492-08	GBM	430e6ca1-d678-4373-8d8d-9d93412c8012
TCGA-06-0744-01A-01W-0348-08	GBM	d80afd62-48a6-4da4-8026-e6384e86cf62
TCGA-06-0745-01A-01W-0348-08	GBM	188c837e-6389-48eb-8b77-91c8a2f099ac
TCGA-06-0747-01A-01W-0348-08	GBM	7773738f-f5dd-48ae-870c-aa89aea77450
TCGA-06-0749-01A-01W-0348-08	GBM	1121aced-04ae-4ba2-a467-c5b8445a0a76
TCGA-06-0750-01A-01W-0348-08	GBM	fc15ced3-5ed1-4f88-8789-09ec713bd613
TCGA-06-0875-01A-01W-0424-08	GBM	862cc896-a0dc-4f02-9940-8c9a5016027b
TCGA-06-0876-01A-01W-0424-08	GBM	c2f27319-4e84-4b12-bce1-623ea20722be
TCGA-06-0877-01A-01W-0424-08	GBM	dda2b842-fd8b-4d14-9aa5-3cd3abc0a0e1
TCGA-06-0878-01A-01W-0424-08	GBM	07869e29-9ced-4be5-9a6c-8fd3c29ae487
TCGA-06-0879-01A-01W-0424-08	GBM	f96b8966-e0c2-4fb6-b3f6-e76d7953d537
TCGA-06-0881-01A-02W-0424-08	GBM	1069a9d0-9978-4c01-8516-947200264314
TCGA-06-0882-01A-01W-0424-08	GBM	385a3692-3208-479f-9f39-37fb65501b80
TCGA-06-1804-01A-01D-1696-08	GBM	d9a1ff46-8d28-451e-937f-bdad42bdd64
TCGA-06-1806-01A-02D-1845-08	GBM	beb40d7c-3861-4efe-9b1d-34ba68a66c9d
TCGA-06-2557-01A-01D-1494-08	GBM	c27290e4-6835-448a-abdc-df8ddd5f4630
TCGA-06-2558-01A-01D-1494-08	GBM	19f41e2f-cff9-4f04-ba65-6d945bf05edd
TCGA-06-2559-01A-01D-1494-08	GBM	8df5560b-9f8f-4636-bdb2-1af8b45df1ba
TCGA-06-2561-01A-02D-1494-08	GBM	f989ad3-f9b6-4061-90ef-30e0eab0a706
TCGA-06-2562-01A-01D-1494-08	GBM	6cb3467e-0ad8-4dd9-8b9b-9103629df16f
TCGA-06-2563-01A-01D-1494-08	GBM	1d81086c-bf8b-4459-abcf-1ff905c6bf74
TCGA-06-2564-01A-01D-1494-08	GBM	9225f366-b08b-4c43-a09f-a16b3bcfb5aa
TCGA-06-2565-01A-01D-1494-08	GBM	c866726d-2d95-4d23-b3d4-0e28a0b3da00
TCGA-06-2567-01A-01D-1494-08	GBM	d40a4861-b8c4-4fb8-815a-4e82801eedca
TCGA-06-2569-01A-01D-1494-08	GBM	617ecc0b-78e9-4663-946c-c01e7e00a7de
TCGA-06-2570-01A-01D-1495-08	GBM	04339769-517c-448d-a7ca-951f83608c60
TCGA-06-5408-01A-01D-1696-08	GBM	ed8ca267-0153-475b-9154-361af62ff767
TCGA-06-5410-01A-01D-1696-08	GBM	67244284-dc40-46cb-a2ac-3f4a38f7bbe4
TCGA-06-5411-01A-01D-1696-08	GBM	2fdab641-d73b-4f9a-aa4c-c1944f131a69
TCGA-06-5412-01A-01D-1696-08	GBM	b6be0866-b8ae-4767-8cdc-e1dd4f78f440
TCGA-06-5413-01A-01D-1696-08	GBM	72c13e51-0dd2-4e96-af37-aa471407436f
TCGA-06-5414-01A-01D-1486-08	GBM	7aa16ff4-169a-4206-83d1-a2495fb56f62
TCGA-06-5415-01A-01D-1486-08	GBM	fca08ee9-b480-4dc7-be56-fl eb03b56f7c
TCGA-06-5417-01A-01D-1486-08	GBM	66350d36-6662-4d4c-9cf8-e052a17cddbba

TCGA-06-5418-01A-01D-1486-08	GBM	ae28fd78-d254-46fa-aba1-1353931aa414
TCGA-06-5856-01A-01D-1696-08	GBM	0bd9b573-712b-4da1-9c33-7b7f43d4af31
TCGA-06-5858-01A-01D-1696-08	GBM	951799e6-12f0-4cf6-8732-f2e044db7210
TCGA-06-5859-01A-01D-1696-08	GBM	bb404507-ab63-4d82-99c6-f3297bffc46f
TCGA-06-6388-01A-12D-1845-08	GBM	c9214f8b-6684-4e29-812c-2a44963e8914
TCGA-06-6389-01A-11D-1696-08	GBM	10911471-5404-42d5-817e-f9616e7dacfc
TCGA-06-6390-01A-11D-1696-08	GBM	f04b6bde-63e0-41c9-89f7-07673f9de0f6
TCGA-06-6391-01A-11D-1696-08	GBM	40fc77dc-46df-4487-925f-1d87c5326661
TCGA-06-6693-01A-11D-1845-08	GBM	45ca8f53-6d0e-4659-a81f-258184b7a70e
TCGA-06-6694-01A-12D-1845-08	GBM	b5a5717d-0e3d-4b44-82f3-5b68187beb52
TCGA-06-6695-01A-11D-1845-08	GBM	13817acd-8c1e-4154-8b88-7cdc5f2660a7
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TCGA-06-6698-01A-11D-1845-08	GBM	d605a279-c0ea-467c-a423-cdf21547f87e
TCGA-06-6699-01A-11D-1845-08	GBM	90ba858d-e3bb-40d8-98ee-eeb127c58409
TCGA-06-6700-01A-12D-1845-08	GBM	6da42a38-94dd-49b7-8a03-df0f7174ca6f
TCGA-06-6701-01A-11D-1845-08	GBM	fad178f1-385b-4f94-bd29-567c1aa0a8fc
TCGA-08-0386-01A-01D-1492-08	GBM	90bf7f8f-4b8c-410f-afa6-2b439ec82f97
TCGA-12-0615-01A-01D-1492-08	GBM	a6068793-51e4-4762-9150-cdfb030e8ade
TCGA-12-0616-01A-01D-1492-08	GBM	b0e2fed7-38bd-48d8-a786-ac574c9fa5be
TCGA-12-0618-01A-01D-1492-08	GBM	390fc5e9-787e-4a3f-86c8-e3e0e7e43824
TCGA-12-0619-01A-01D-1492-08	GBM	79c65ab5-1924-4710-96e4-31e9a615a53e
TCGA-12-0688-01A-02D-1492-08	GBM	143dc738-1694-4105-8115-9cc0902ef35b
TCGA-12-0692-01A-01W-0348-08	GBM	937fb2a6-3856-4086-a327-8d8e593b7b7b
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TCGA-12-1597-01B-01D-1495-08	GBM	7d35c610-cc06-4aa5-8c96-2f7b7465069f
TCGA-12-3649-01A-01D-1495-08	GBM	2580567a-8f51-4cb7-9525-bba987c55e36
TCGA-12-3650-01A-01D-1495-08	GBM	8b1d52e2-489b-4972-9bef-1690ccd2bac9
TCGA-12-3652-01A-01D-1495-08	GBM	ab460bc2-e504-4b7f-8533-ab06448a55bc
TCGA-12-3653-01A-01D-1495-08	GBM	fdc52d48-828e-481f-ba1c-0264f1da38a5
TCGA-12-5295-01A-01D-1486-08	GBM	796f5741-3b2d-46e5-b74f-e5a76604a401
TCGA-12-5299-01A-02D-1486-08	GBM	a44954fc-49f2-489a-8593-7de98963e4f8
TCGA-12-5301-01A-01D-1486-08	GBM	891fc6bc-d0a7-4064-842c-43d500b4ef5d
TCGA-14-0740-01B-01D-1845-08	GBM	f49859c4-adf9-4c53-8288-8a7ad65a940d
TCGA-14-0781-01B-01D-1696-08	GBM	13878ec6-fce7-423e-b545-6656145e9d2c
TCGA-14-0786-01B-01D-1492-08	GBM	75fa4de1-29fd-4b54-b63a-add459f1d69c
TCGA-14-0787-01A-01W-0424-08	GBM	184b240c-ebf1-4ecf-87eb-aae0718cd81f
TCGA-14-0789-01A-01W-0424-08	GBM	3462087f-f791-43b4-b9d9-b11cc48eaf9e
TCGA-14-0790-01B-01D-1494-08	GBM	d63d49a0-9413-4583-a7a5-cb2c202cc085
TCGA-14-0813-01A-01W-0424-08	GBM	754cd19e-a319-4ddf-887b-ddca4914cdf9
TCGA-14-0817-01A-01W-0424-08	GBM	a5f06dfc-e9b2-46a6-bee5-604d2839baad
TCGA-14-0862-01B-01D-1845-08	GBM	f0b7d451-8190-45a4-8242-bf698f05243d

TCGA-14-0871-01A-01W-0424-08	GBM	0cc45f48-0967-42dc-8035-e76c6bd0a3fd
TCGA-14-1034-02B-01D-2280-08	GBM	7cae6c0b-36fe-411b-bbba-093a4c846d84
TCGA-14-1043-01B-11D-1845-08	GBM	a439c422-8728-42f5-8dda-6e9e1590478c
TCGA-14-1395-01B-11D-1845-08	GBM	8825b7a5-dfac-4e21-b4ec-05161b1341e9
TCGA-14-1450-01B-01D-1845-08	GBM	7ec7f174-13f6-44b1-83e3-6f35a244f00e
TCGA-14-1456-01B-01D-1494-08	GBM	e525e774-f925-41cd-9822-15aecee29190
TCGA-14-1823-01A-01W-0643-08	GBM	1c3ddf6a-e496-4b87-833b-084d814b6876
TCGA-14-1825-01A-01W-0643-08	GBM	f0d7cb8b-995c-419b-a366-aadb156879bc
TCGA-14-1829-01A-01W-0643-08	GBM	c69ca476-9e11-4f6e-a4f5-6952f792a580
TCGA-14-2554-01A-01D-1494-08	GBM	53dec97d-0464-4ffd-8e2e-95b2b9a03af0
TCGA-15-0742-01A-01W-0348-08	GBM	3c015456-02f0-4473-be25-b53166da41ea
TCGA-15-1444-01A-02D-1696-08	GBM	cbd4d4e7-f1c4-446c-8dbc-ce06c872ec14
TCGA-16-0846-01A-01W-0424-08	GBM	cf3eb226-36c2-4498-a5c1-3f161de6fa3f
TCGA-16-0861-01A-01W-0424-08	GBM	deab6efd-8213-4f35-a897-060c605ce58b
TCGA-16-1045-01B-01W-0611-08	GBM	c92c1d87-0df9-4c5a-baef-2dd26ad6d75a
TCGA-19-1390-01A-01D-1495-08	GBM	d7e8e408-0a8f-4177-ad38-08c5da484ed0
TCGA-19-2619-01A-01D-1495-08	GBM	b765a4c7-4fe8-444c-95bd-6a4d03af1432
TCGA-19-2620-01A-01D-1495-08	GBM	6de41ac1-229b-40b9-a494-5588c284351d
TCGA-19-2623-01A-01D-1495-08	GBM	a14ae5c3-fee0-4ed7-9080-51056ce62ef2
TCGA-19-2624-01A-01D-1495-08	GBM	a8f86b64-914c-4d89-897b-33bccdd1759f7
TCGA-19-2625-01A-01D-1495-08	GBM	b0833912-0cb6-4d2a-bd18-9fc211793b30
TCGA-19-2629-01A-01D-1495-08	GBM	56ffaa35-814c-4c0b-b3c6-d4514d34fec2
TCGA-19-5947-01A-11D-1696-08	GBM	d5e7dd90-ead0-40fe-94c5-bc740cb509ab
TCGA-19-5950-01A-11D-1696-08	GBM	8d6626e2-ea32-4b1d-8f2b-389294121692
TCGA-19-5951-01A-11D-1696-08	GBM	57cf584c-8c95-42ec-9cb0-707228b70010
TCGA-19-5952-01A-11D-1696-08	GBM	483cad63-ca73-4b31-b4c7-9d73f2cb4186
TCGA-19-5953-01B-12D-1845-08	GBM	a0180465-3685-4735-a76e-acbeebfa635a
TCGA-19-5954-01A-11D-1696-08	GBM	cf4de06e-203f-4a6f-8aa9-60828e0d4d68
TCGA-19-5955-01A-11D-1696-08	GBM	c8abde95-f4d7-4d48-879b-bd584eaf8a25
TCGA-19-5958-01A-11D-1696-08	GBM	fd385a8e-d6dc-4e65-a023-ce485793c410
TCGA-19-5959-01A-11D-1696-08	GBM	dd3e4733-7154-4162-9a61-a3a685e5f561
TCGA-19-5960-01A-11D-1696-08	GBM	b8151614-b08f-49a3-ab6f-2e780f765a17
TCGA-26-1442-01A-01D-1696-08	GBM	17e25583-886e-4dc9-802b-35e67971073d
TCGA-26-5132-01A-01D-1486-08	GBM	d1132127-1250-43af-9c16-425798a3d1a7
TCGA-26-5133-01A-01D-1486-08	GBM	533051f3-5ea5-41a4-8727-11dc6d786607
TCGA-26-5134-01A-01D-1486-08	GBM	11956d98-4ba5-486f-ae79-05aacebe0631
TCGA-26-5135-01A-01D-1486-08	GBM	2ce48f01-2f61-49d9-a56a-7438bf4a37d7
TCGA-26-5136-01B-01D-1486-08	GBM	39e0587b-1b04-4c68-8ae4-3ae7781e8017
TCGA-26-5139-01A-01D-1486-08	GBM	8199001b-a3c9-47e1-97cf-943fa8030f46
TCGA-26-6173-01A-11D-1845-08	GBM	af373e42-cbbf-4a89-8479-bdd413011885
TCGA-26-6174-01A-21D-1845-08	GBM	3ba04f15-48f4-4851-a21f-8fa7cc9eac6b

TCGA-27-1830-01A-01W-0643-08	GBM	b391392a-9865-4bf4-b5f1-fa4fb2ad1343
TCGA-27-1831-01A-01D-1494-08	GBM	9880c3c9-5685-42a7-8fe9-7585ea1a1d37
TCGA-27-1832-01A-01W-0643-08	GBM	7ea7ee22-55a6-4748-9607-d93a6a367122
TCGA-27-1833-01A-01W-0643-08	GBM	4d8d34d9-7069-436c-84d6-ace5760c2aee
TCGA-27-1834-01A-01W-0643-08	GBM	a6c0824e-3d2a-498a-af77-44ea96ba5ce4
TCGA-27-1835-01A-01D-1494-08	GBM	6d5fd73b-4cad-44ae-8c79-67f2b9d30328
TCGA-27-1836-01A-01D-1494-08	GBM	8c58f090-31a3-4b2f-93e7-1ae6f6d73350
TCGA-27-1837-01A-01D-1494-08	GBM	61ad1d55-21a9-49c4-925b-54a24703afda
TCGA-27-1838-01A-01D-1494-08	GBM	881af1d2-3fbc-44dd-8362-e6c386345cf6
TCGA-27-2518-01A-01D-1494-08	GBM	dae099ff-330f-492b-a06d-6f975e9e5aea
TCGA-27-2519-01A-01D-1494-08	GBM	b0daafab-b783-4cfc-9f7d-8017d98e80bb
TCGA-27-2521-01A-01D-1494-08	GBM	3678d5f3-9a29-4750-b0a9-20e971ff6aa4
TCGA-27-2523-01A-01D-1494-08	GBM	d60f54f5-b154-42c4-99fb-cea4e7a33dc7
TCGA-27-2524-01A-01D-1494-08	GBM	ce679bfd-fb9-4c78-822e-37d2322d544b
TCGA-27-2526-01A-01D-1494-08	GBM	bc1abc7-b4e9-4447-b0c5-0fc09401ecc0
TCGA-27-2527-01A-01D-1494-08	GBM	b8b00995-ada6-493b-bafc-0f6c9def41c9
TCGA-27-2528-01A-01D-1494-08	GBM	374cbd87-428e-4509-85c1-b7d3302c30a0
TCGA-28-1747-01C-01D-1494-08	GBM	7c746081-ac14-4ae2-9564-d67d52f2627c
TCGA-28-1753-01A-01D-1494-08	GBM	c7143f1e-458c-4129-aa91-61b8e4b90e53
TCGA-28-2499-01A-01D-1494-08	GBM	28583f40-c3fc-4213-91c1-99d7d536551e
TCGA-28-2501-01A-01D-1696-08	GBM	2a2cb25d-4069-4824-b09d-2d49634ed284
TCGA-28-2502-01B-01D-1494-08	GBM	707466c8-138a-4ed0-b806-6579464595cb
TCGA-28-2509-01A-01D-1494-08	GBM	f4a62fe0-cee2-487a-9a8a-4cd98d8380df
TCGA-28-2510-01A-01D-1696-08	GBM	5f2dc303-9859-4b63-8aab-c387da4b2cc1
TCGA-28-2513-01A-01D-1494-08	GBM	52dd150e-abd7-4fd2-abe9-09428c5a610c
TCGA-28-2514-01A-02D-1494-08	GBM	6eef4a0e-3fef-4529-8193-21b380d96344
TCGA-28-5204-01A-01D-1486-08	GBM	e9590ee4-92d8-4afb-908e-0c816d2b82f3
TCGA-28-5207-01A-01D-1486-08	GBM	2d795a16-bdc3-44f0-8c01-6eeec0e1a0b1
TCGA-28-5208-01A-01D-1486-08	GBM	76209124-b3f0-4bb2-8b2c-e268abdefe2b
TCGA-28-5209-01A-01D-1486-08	GBM	ef8b63f3-b820-46ac-a99c-3d401a6203d7
TCGA-28-5211-01C-11D-1845-08	GBM	f8dc846b-1b17-4699-9dc5-3f79e21eee94
TCGA-28-5213-01A-01D-1486-08	GBM	b866e742-5ed0-4d7d-b96c-52f8f6f37142
TCGA-28-5214-01A-01D-1486-08	GBM	c992e603-30c9-4e30-a425-8050189db4f8
TCGA-28-5215-01A-01D-1486-08	GBM	34c77b5d-c3a6-4e83-96f4-fadd729362d9
TCGA-28-5216-01A-01D-1486-08	GBM	cde8518a-ce8e-4b54-ab21-5ad4171ab1b3
TCGA-28-5218-01A-01D-1486-08	GBM	68008a98-3889-4dd2-bcf9-f1f6cbca6355
TCGA-28-5219-01A-01D-1486-08	GBM	f016e9f7-66a3-4f50-b9cd-58b1c8a955e9
TCGA-28-5220-01A-01D-1486-08	GBM	f7b80486-fa19-49c7-8ace-ea61338677d7
TCGA-28-6450-01A-11D-1696-08	GBM	5f10d0c5-05b8-44bb-98ce-bbea41820850
TCGA-32-1970-01A-01D-1494-08	GBM	65723119-bdfe-46f0-b629-c171023abd71

TCGA-32-1979-01A-01D-1696-08	GBM	0c81ebb9-20a6-40c1-9be2-17b99517e988
TCGA-32-1980-01A-01D-1696-08	GBM	9b267205-1994-46ff-8d0f-56625dae7c1b
TCGA-32-1982-01A-01D-1494-08	GBM	9cf7c4cb-ce19-4b79-9163-b74369603e22
TCGA-32-1986-01A-01D-1494-08	GBM	5afe3ffc-ba3a-49bb-9837-091b600cbb35
TCGA-32-2615-01A-01D-1495-08	GBM	65e3c804-b1a3-4e21-9407-90a6edc4e290
TCGA-32-2632-01A-01D-1495-08	GBM	27203e18-af27-478c-a224-8bca77a81c90
TCGA-32-2634-01A-01D-1495-08	GBM	52b2a114-4f8c-4e02-af9d-24c4a05d4ca0
TCGA-32-2638-01A-01D-1495-08	GBM	1e103221-ab46-4a5c-9b96-5e34f0d49fc2
TCGA-32-5222-01A-01D-1486-08	GBM	f48abf4d-f1fb-48bf-97a1-0c38435b6af7
TCGA-41-2571-01A-01D-1495-08	GBM	36349a22-17eb-48d8-9b69-1921ee7576ff
TCGA-41-2573-01A-01D-1495-08	GBM	fadc9e2a-d97d-4e86-a814-4f32f8cfd7a5
TCGA-41-2575-01A-01D-1495-08	GBM	4943e80a-d098-49cd-8261-1d53d42f8223
TCGA-41-3392-01A-01D-1495-08	GBM	c08b37a5-9938-4ab0-8183-d73b01cb9a89
TCGA-41-5651-01A-01D-1696-08	GBM	5fd77ba9-5015-4d8b-86a0-582e5c76bdd6
TCGA-41-6646-01A-11D-1845-08	GBM	6272bb0c-c47b-4cd2-9f59-398f1a75f020
TCGA-74-6573-01A-12D-1845-08	GBM	0941e50e-1205-49ed-8735-1f86eaf87718
TCGA-74-6575-01A-11D-1845-08	GBM	f4ec96d6-d7fc-4892-9a36-80802f387a12
TCGA-74-6577-01A-11D-1845-08	GBM	5be142d5-b6f7-4e1e-ae75-49b302b332a2
TCGA-74-6578-01A-11D-1845-08	GBM	a2ae2128-4d95-4261-a30d-bd6be58de8e0
TCGA-74-6584-01A-11D-1845-08	GBM	cedd2d49-371b-4b12-8aac-6a9bd38f2ccb
TCGA-76-4925-01A-01D-1486-08	GBM	ca2fa3da-18d6-4e8b-8081-b07022ead6a8
TCGA-76-4926-01B-01D-1486-08	GBM	3c93cb58-d39b-4a5e-907a-8b5438630d21
TCGA-76-4927-01A-01D-1486-08	GBM	2dc69425-dbfd-4228-ab78-541062b5c445
TCGA-76-4928-01B-01D-1486-08	GBM	6e30f277-875e-4ab8-bc7c-0a5121cde6d1
TCGA-76-4929-01A-01D-1486-08	GBM	af4f8b89-837a-48b7-b0e7-12aec23fc285
TCGA-76-4931-01A-01D-1486-08	GBM	d4a27742-ca69-4f54-9bce-ec33d8481fed
TCGA-76-4932-01A-01D-1486-08	GBM	81656daa-af7c-430c-afa3-0eb10eb9a695
TCGA-76-4934-01A-01D-1486-08	GBM	e9bc4701-562e-4d35-a949-53a61fd96651
TCGA-76-4935-01A-01D-1486-08	GBM	c8d06abf-437d-4bc9-804b-44345af74f36
TCGA-76-6191-01A-12D-1696-08	GBM	4dbf66ef-4108-4a86-a8eb-6ba8cdefb4a2
TCGA-76-6192-01A-11D-1696-08	GBM	c29754bc-44e8-4980-98a1-b8d69700f4a3
TCGA-76-6193-01A-11D-1696-08	GBM	6a751d65-5fcf-4c03-8253-8f1b8faccab2
TCGA-76-6280-01A-21D-1845-08	GBM	9096e339-7730-4d7a-acab-a6c4d26c52c3
TCGA-76-6282-01A-11D-1696-08	GBM	1c7f63d2-a2a4-42c3-928b-319695a66443
TCGA-76-6283-01A-11D-1845-08	GBM	a4083f8b-0c39-4d65-a372-b494caf84f8d
TCGA-76-6285-01A-11D-1696-08	GBM	28380a2f-d302-45fb-a4c5-31b2fd150bc3
TCGA-76-6286-01A-11D-1845-08	GBM	45d03116-6cff-4074-9c26-2e5f1a8854d3
TCGA-76-6656-01A-11D-1845-08	GBM	fe66f11a-e03d-49c5-befe-db74ef55ce61
TCGA-76-6657-01A-11D-1845-08	GBM	6ba47878-126c-420d-b3c1-ca7ea8c182d0
TCGA-76-6660-01A-11D-1845-08	GBM	f4960945-c464-49c2-8ad6-d73a6fa47b20
TCGA-76-6661-01B-11D-1845-08	GBM	8329c910-7ccf-4e84-b468-bd6cf23327a2

TCGA-76-6662-01A-11D-1845-08	GBM	7f7c80ca-6ad9-4820-83ca-5248b3873eea
TCGA-76-6663-01A-11D-1845-08	GBM	624864ad-3178-4a6d-a0cf-7fa3e9bdf8da
TCGA-76-6664-01A-11D-1845-08	GBM	6a8f17c6-060d-492e-8a39-53d9ac7035a4
TCGA-81-5910-01A-11D-1696-08	GBM	bcf79a66-30e6-4554-982e-38d8eab46114
TCGA-81-5911-01A-12D-1845-08	GBM	a501e01b-249c-43cb-ae2-f355c3c697dd
TCGA-87-5896-01A-01D-1696-08	GBM	640c33a6-a7df-4dba-9c21-367a9a839f0f
TCGA-BA-4074-01A-01D-1434-08	HNSC	2c84e904-0cbc-4645-b7e5-94ec45e61268
TCGA-BA-4075-01A-01D-1434-08	HNSC	5b3fec35-d127-4cb5-859b-edac003acdf3
TCGA-BA-4076-01A-01D-1434-08	HNSC	93dda6a6-907d-4dc2-9391-36dd09c767c6
TCGA-BA-4077-01B-01D-1434-08	HNSC	9b37211a-2150-4d33-bc6a-9d6a0a429708
TCGA-BA-4078-01A-01D-1434-08	HNSC	f02d0332-d7c8-4d2a-98ca-dbe7826437ae
TCGA-BA-5149-01A-01D-1512-08	HNSC	6e98841c-ce33-4b7e-882d-ce65707d4c10
TCGA-BA-5151-01A-01D-1434-08	HNSC	dac15d7e-3930-4fcb-b752-4a4f00449ddd
TCGA-BA-5152-01A-02D-1870-08	HNSC	18da68fd-3bfb-45a3-ba28-4c90555b4e68
TCGA-BA-5153-01A-01D-1434-08	HNSC	363ccc6f-dab0-413e-bc42-d738ee25abcd
TCGA-BA-5555-01A-01D-1512-08	HNSC	65dc1531-713b-41ba-a567-caa12340c0cf
TCGA-BA-5556-01A-01D-1512-08	HNSC	d31fda32-363b-44e4-8f2c-834a66f46b87
TCGA-BA-5557-01A-01D-1512-08	HNSC	7caa2a2f-3b77-46f0-9886-37f6e4278d83
TCGA-BA-5558-01A-01D-1512-08	HNSC	97a47fa4-c857-4483-9572-07012c10e9d5
TCGA-BA-5559-01A-01D-1512-08	HNSC	c0845927-fc9a-41b2-9431-619952878e18
TCGA-BA-6868-01B-12D-1912-08	HNSC	51647474-f538-4e96-babd-e742f1fb793f
TCGA-BA-6869-01A-11D-1870-08	HNSC	b78a2501-f312-41a2-ab19-7c18d8dfbac6
TCGA-BA-6870-01A-11D-1870-08	HNSC	2fdd3f42-cb2f-4faf-8a47-b8bfec058265
TCGA-BA-6871-01A-11D-1870-08	HNSC	a8a04117-0ebc-4c27-83d6-441be47e5fd3
TCGA-BA-6872-01A-11D-1870-08	HNSC	182b2a39-4881-402a-a907-b51aa114584a
TCGA-BA-6873-01A-11D-1870-08	HNSC	f65b842c-257e-4ac7-a155-23d3ac12d41c
TCGA-BA-7269-01A-11D-2012-08	HNSC	2e8ffdfc-48f5-41e0-9192-d761f3b518ef
TCGA-BB-4217-01A-11D-2078-08	HNSC	5916ef19-7838-4621-a869-de8c2b34931c
TCGA-BB-4223-01A-01D-1434-08	HNSC	c4799ee4-3014-4b2f-ba7e-9771ab5dc3f1
TCGA-BB-4224-01A-01D-1434-08	HNSC	cfa7d658-031d-4cd4-9ca3-ceaa201f702d
TCGA-BB-4225-01A-01D-1434-08	HNSC	85fb5611-0dee-4a73-8aa1-1629ad929173
TCGA-BB-4227-01A-01D-1870-08	HNSC	c1b315bb-773b-4fd0-88ec-d11044996adc
TCGA-BB-4228-01A-01D-1434-08	HNSC	6fd93146-1026-4362-982b-d1fc70e3c65d
TCGA-BB-7861-01A-11D-2229-08	HNSC	77cb5c69-f15e-45de-a060-0e8b52648209
TCGA-BB-7862-01A-21D-2229-08	HNSC	84c57a23-1428-488e-9275-9f2bc3673476
TCGA-BB-7863-01A-11D-2229-08	HNSC	0bf356d5-1259-4042-9860-2f793f5fe32c
TCGA-BB-7864-01A-11D-2229-08	HNSC	1d6324a3-8bb4-45d1-89b3-134ffca01aec
TCGA-BB-7866-01A-11D-2229-08	HNSC	8d6ae619-b33e-453c-aa6d-dda14cd5a337
TCGA-BB-7870-01A-11D-2229-08	HNSC	d584f4ec-09b0-40fe-bba2-256b6cf6974e
TCGA-BB-7871-01A-11D-2229-08	HNSC	8e13f8a5-5d80-4e34-bffa-54ae808114e7
TCGA-BB-7872-01A-11D-2229-08	HNSC	c05cb0b5-b288-48fb-bdc0-ee9acd6643a8

TCGA-CN-4723-01A-01D-1434-08	HNSC	d5d71c48-1a2d-4d7d-8f2c-e3a68352776b
TCGA-CN-4725-01A-01D-1434-08	HNSC	57ffe9d-193b-48f6-8d5b-3c2eca854d93
TCGA-CN-4726-01A-01D-1434-08	HNSC	2201e681-a727-4fd2-aded-cbcb543b2232
TCGA-CN-4727-01A-01D-1434-08	HNSC	b24fc60a-fe83-4743-a6d3-d90b807412e1
TCGA-CN-4728-01A-01D-1434-08	HNSC	e450fec8-66dd-4798-8197-4206b8ba7c4d
TCGA-CN-4729-01A-01D-1434-08	HNSC	7240e742-9315-4fb8-b6f7-28bfe69410a8
TCGA-CN-4730-01A-01D-1434-08	HNSC	543bbfe3-4a11-49af-b445-303f0912bfc3
TCGA-CN-4731-01A-01D-1434-08	HNSC	31ffd2d8-ee97-4002-9737-08c044878ace
TCGA-CN-4733-01A-02D-1870-08	HNSC	12880a34-83d1-4075-b62a-9fc61d18ca09
TCGA-CN-4734-01A-01D-1434-08	HNSC	fd54bbfa-62a2-4d8b-88fb-b74b91e1b958
TCGA-CN-4735-01A-01D-1434-08	HNSC	369ebdf4-ee27-414d-978d-3698711fae98
TCGA-CN-4736-01A-01D-1434-08	HNSC	788337f5-722c-45d6-8ca4-8037c489cb64
TCGA-CN-4737-01A-01D-1434-08	HNSC	4c6857bb-f20f-4ac9-9c2c-cb83c5387a74
TCGA-CN-4738-01A-02D-1512-08	HNSC	1d3b16fd-f98b-45ef-a423-861975f098b6
TCGA-CN-4739-01A-02D-1512-08	HNSC	7d6cc6ef-6bb0-44ab-bac1-c8f7198d1d8a
TCGA-CN-4740-01A-01D-1434-08	HNSC	40308868-8d79-484b-85a4-257142763d72
TCGA-CN-4741-01A-01D-1434-08	HNSC	3486c689-d7ae-4ce8-8df5-ac8271b4661d
TCGA-CN-4742-01A-02D-1512-08	HNSC	1fa89bda-b719-445a-85d2-76ce8c484b15
TCGA-CN-5355-01A-01D-1434-08	HNSC	0d93e8bc-69d5-47aa-b4bb-bf7b0ade92d6
TCGA-CN-5356-01A-01D-1434-08	HNSC	aad13fa4-b2e7-4c89-9936-57cf7a5e16a4
TCGA-CN-5358-01A-01D-1512-08	HNSC	498c0b1f-678f-4f70-b0d1-aad89bfa2a23
TCGA-CN-5359-01A-01D-1434-08	HNSC	df1e53d-22dc-4b11-9b3f-e421bc28b835
TCGA-CN-5360-01A-01D-1434-08	HNSC	174f1ea8-abcf-44ee-b17b-9687b3ab6dae
TCGA-CN-5361-01A-01D-1434-08	HNSC	5eea0205-e539-48de-b94c-4bb68c74ec96
TCGA-CN-5363-01A-01D-1434-08	HNSC	203f8426-6ec5-427a-9ccf-ec2b4683504d
TCGA-CN-5364-01A-01D-1434-08	HNSC	22078e53-2c9e-4ae4-a166-34488f259ee8
TCGA-CN-5365-01A-01D-1434-08	HNSC	a419a54c-58b4-4682-aaca-ed85697dd2a0
TCGA-CN-5366-01A-01D-1434-08	HNSC	161342fd-4cfa-4fc8-9708-7bb815b137c6
TCGA-CN-5367-01A-01D-1434-08	HNSC	57adb398-48c5-4a14-a43e-f79a19befbda
TCGA-CN-5369-01A-01D-1434-08	HNSC	4c8e6937-9fd7-41cc-ac74-d8b75235d4b3
TCGA-CN-5370-01A-01D-2012-08	HNSC	f4ca6755-68ca-4702-b08b-65005d31e9be
TCGA-CN-5373-01A-01D-1434-08	HNSC	00988676-1e9b-4e00-b4aa-a8f86c21b206
TCGA-CN-5374-01A-01D-1434-08	HNSC	28d5a97b-3f3d-4595-9034-8491999fcf40
TCGA-CN-6010-01A-11D-1683-08	HNSC	2d9693f3-0917-42be-97b8-4dc15cc4d3f6
TCGA-CN-6011-01A-11D-1683-08	HNSC	0e0aa5da-2cb2-47b8-b000-83a07d68ed29
TCGA-CN-6012-01A-11D-1683-08	HNSC	c5d99faa-ef68-4f08-af97-d722bcc383f5
TCGA-CN-6013-01A-11D-1683-08	HNSC	992de9b5-c394-48e7-b4e3-4c4aeacb4a23
TCGA-CN-6016-01A-11D-1683-08	HNSC	fc6e29c-864d-483f-a848-8a61202d9516
TCGA-CN-6017-01A-11D-1683-08	HNSC	7cd89cbe-6bd9-41a2-a042-345fa0a09866
TCGA-CN-6018-01A-11D-1683-08	HNSC	33815edd-bb4f-4f05-bc82-94eafe423652
TCGA-CN-6019-01A-11D-1683-08	HNSC	00769a89-ffc5-46f5-a42e-25b3eae886c2

TCGA-CN-6020-01A-11D-1683-08	HNSC	1f33c4c7-4f08-44a2-91f5-7ed2d7da68f0
TCGA-CN-6021-01A-11D-1683-08	HNSC	e62a2c4d-18e3-4ec8-8d93-40e055e65be4
TCGA-CN-6022-01A-21D-1683-08	HNSC	90cd2296-7133-4cbe-99cb-84b084eb88cd
TCGA-CN-6023-01A-11D-1683-08	HNSC	d03b8f96-c932-4abf-b508-f4e1b50739ee
TCGA-CN-6024-01A-11D-1683-08	HNSC	0604584e-0654-4b00-94fc-45e76588000c
TCGA-CN-6988-01A-11D-1912-08	HNSC	230b06a8-5f6e-41db-bb59-19e4e6c9afaf
TCGA-CN-6989-01A-11D-1912-08	HNSC	61cd2198-d85e-4eae-b9c6-e36be372595b
TCGA-CN-6992-01A-11D-1912-08	HNSC	7a70356c-74a3-40c3-bd32-3049da642831
TCGA-CN-6994-01A-11D-1912-08	HNSC	157b67ad-f092-4ea3-b557-0406839e6905
TCGA-CN-6995-01A-31D-2012-08	HNSC	c0b6813d-4b3e-479e-81a7-1e5c2de89b0d
TCGA-CN-6996-01A-11D-1912-08	HNSC	c063bec5-c716-4ea2-843a-e9f0bec3b540
TCGA-CN-6997-01A-11D-2012-08	HNSC	11b531cc-d9d9-496a-8448-e654ba71c414
TCGA-CN-6998-01A-23D-2012-08	HNSC	9c364f7e-5b90-44ef-9f80-250e428989ef
TCGA-CQ-5323-01A-01D-1683-08	HNSC	892067ef-c465-46ea-8f91-10636dd0081b
TCGA-CQ-5324-01A-01D-1683-08	HNSC	67b184fe-c4f4-49f3-938e-5370eb6246b9
TCGA-CQ-5325-01A-01D-1683-08	HNSC	22b6abf5-aad8-46ab-9b87-e3c12309cb59
TCGA-CQ-5326-01A-01D-1870-08	HNSC	199249f9-808d-4565-bb6b-82724f61edaa
TCGA-CQ-5327-01A-01D-1683-08	HNSC	da19d7bc-9748-4cd4-bd54-4792894838f0
TCGA-CQ-5329-01A-01D-1683-08	HNSC	5aa9b6fc-4169-4346-98fb-4c711d08d701
TCGA-CQ-5330-01A-01D-1683-08	HNSC	4ce7e702-9b62-459e-b2b4-a26cabba3a93
TCGA-CQ-5331-01A-02D-1870-08	HNSC	d2c2d3db-dbc0-44f1-b625-17f3f819c122
TCGA-CQ-5332-01A-01D-1683-08	HNSC	4fd4f0d-0a55-4b5e-8545-65f1aad37c10
TCGA-CQ-5334-01A-01D-1683-08	HNSC	39978192-2119-4910-a2f6-53834a2b1bf2
TCGA-CQ-6218-01A-11D-1912-08	HNSC	d3717097-7cdb-446f-a020-78c770362656
TCGA-CQ-6219-01A-11D-1912-08	HNSC	c6263b94-0ffe-40e7-9184-deb427c67802
TCGA-CQ-6220-01A-11D-1912-08	HNSC	65e67eda-16a4-4dfd-94a9-546c76d94a02
TCGA-CQ-6221-01A-11D-2078-08	HNSC	d6166f0d-c0b5-44a3-814d-0c94c5bc41b0
TCGA-CQ-6222-01A-11D-1912-08	HNSC	de2c492f-5cd8-4330-a5de-36f693ec31af
TCGA-CQ-6223-01A-11D-1912-08	HNSC	be7cb5b4-1d09-479c-8bf2-a9e7abde575f
TCGA-CQ-6224-01A-11D-1912-08	HNSC	c03d51a0-8731-430d-a792-280e01629e8f
TCGA-CQ-6225-01A-11D-1912-08	HNSC	cd311590-3c69-4ff2-8fbd-cb5b0f21975e
TCGA-CQ-6227-01A-11D-1912-08	HNSC	ca62509e-d477-41ca-9bc2-3f20c2dd4e49
TCGA-CQ-6228-01A-11D-1912-08	HNSC	655e502b-1a6e-4eab-a948-4120d6c31c29
TCGA-CQ-6229-01A-11D-1912-08	HNSC	07e76152-9e83-42a5-9111-c39a2310a2e4
TCGA-CQ-7065-01A-11D-2078-08	HNSC	64c422bb-a531-4636-8e68-bdaf212df6dc
TCGA-CQ-7067-01A-11D-2229-08	HNSC	01f46aa2-e15b-4544-add5-c783868b6c26
TCGA-CQ-7068-01A-11D-2078-08	HNSC	97a96e61-f2dc-4af4-807a-3925c1ffbf43
TCGA-CR-5243-01A-01D-1512-08	HNSC	297e8b35-5b8b-4d5b-b812-86165f949a20
TCGA-CR-5247-01A-01D-2012-08	HNSC	3b5b07b4-29ef-4a55-b6ab-93352613f631
TCGA-CR-5248-01A-01D-2012-08	HNSC	e5af63d7-e8b2-4a76-8b39-6ee652ad8e5f
TCGA-CR-5249-01A-01D-1512-08	HNSC	42bf9ca3-47d8-45ff-bccf-bda80af58d22

TCGA-CR-5250-01A-01D-1512-08	HNSC	49e54f5a-9b3a-47ff-b6cc-a1eaf54fd136
TCGA-CR-6467-01A-11D-1870-08	HNSC	2a7f5a16-9330-45a1-9024-1cff1cd5714
TCGA-CR-6470-01A-11D-1870-08	HNSC	30bc4d1e-f0cb-44c5-a32c-b4b690cd6cc5
TCGA-CR-6471-01A-11D-1870-08	HNSC	c087e87f-867c-45dd-8645-5ab774e4827c
TCGA-CR-6472-01A-11D-1870-08	HNSC	52f12c71-2473-4411-aad6-318a3496e82c
TCGA-CR-6473-01A-11D-1870-08	HNSC	9f3396a0-a38d-4069-b65a-c4c4dd6187ad
TCGA-CR-6474-01A-11D-1870-08	HNSC	6b4369e1-cf03-4a40-9a66-fc67bfb946b3
TCGA-CR-6477-01A-11D-1870-08	HNSC	e02f3646-a500-4781-ad44-2f62661a883d
TCGA-CR-6478-01A-11D-1870-08	HNSC	c21f40c6-4260-4def-8cca-1c11895b35b0
TCGA-CR-6480-01A-11D-1870-08	HNSC	7ee5501e-5463-4481-b798-3d23bfb4f113
TCGA-CR-6481-01A-11D-1870-08	HNSC	5e7d2531-81c1-48bb-9c0a-1867d1f83f92
TCGA-CR-6482-01A-11D-1870-08	HNSC	684bcd80-30fb-49e5-b72a-09502a9d1468
TCGA-CR-6484-01A-11D-1870-08	HNSC	e72df726-1575-4789-afac-3b15a7643401
TCGA-CR-6487-01A-11D-1870-08	HNSC	d4df06d7-97e1-4f22-83a7-993fdcd3a4da
TCGA-CR-6488-01A-12D-2078-08	HNSC	8bfa9606-b24d-4803-b551-2e86fb02ae5e
TCGA-CR-6491-01A-11D-1870-08	HNSC	a32853ad-b6a3-4147-ae5a-f48fad71581e
TCGA-CR-6492-01A-12D-2078-08	HNSC	d4550d39-4f32-48ab-b049-2fe623332d07
TCGA-CR-6493-01A-11D-1870-08	HNSC	f061abfa-4554-4328-9e8f-b84dd2aa4b45
TCGA-CR-7364-01A-11D-2012-08	HNSC	f5047f1e-5088-4d30-927d-e64147fe661d
TCGA-CR-7365-01A-11D-2012-08	HNSC	ec114413-a950-4e74-abc8-98857af8b9ad
TCGA-CR-7367-01A-11D-2012-08	HNSC	b82e34db-7b0e-4bbd-bc42-ba063ac42409
TCGA-CR-7368-01A-11D-2129-08	HNSC	4b194ab3-d213-4a7a-be46-909b4f0c7291
TCGA-CR-7369-01A-11D-2129-08	HNSC	f16a5c08-c9f8-442e-ba13-45681cacda40
TCGA-CR-7370-01A-11D-2129-08	HNSC	9f8ec337-85f7-4b01-a2b6-5db9a9e62f30
TCGA-CR-7371-01A-11D-2012-08	HNSC	68201be8-a1a9-4c78-ad99-3c767ca8366b
TCGA-CR-7372-01A-11D-2012-08	HNSC	9032c525-9bed-47f9-b9f2-ecce4593ea37
TCGA-CR-7373-01A-11D-2012-08	HNSC	9b1f5f6d-503c-4933-944a-b4fd1cc3fa93
TCGA-CR-7374-01A-11D-2012-08	HNSC	2cf33b63-464e-49a0-88f0-6a6d5b0393c4
TCGA-CR-7376-01A-11D-2129-08	HNSC	a6b11f68-79da-4542-818d-f404116c0bf8
TCGA-CR-7377-01A-11D-2012-08	HNSC	93e4eb9a-7643-411b-be90-94b801f23566
TCGA-CR-7379-01A-11D-2012-08	HNSC	8cc45c01-a363-4151-9ea0-32c404b79da4
TCGA-CR-7380-01A-11D-2012-08	HNSC	ac968fdd-970b-41fc-99f7-5670c741bc06
TCGA-CR-7382-01A-11D-2129-08	HNSC	fdde6828-b9f4-4648-a86b-157c5d46abb2
TCGA-CR-7383-01A-11D-2129-08	HNSC	203629ed-2791-4e22-a9da-be647b0cdef5
TCGA-CR-7385-01A-11D-2012-08	HNSC	2c00b622-c4a4-4862-b14a-a97b7261f46f
TCGA-CR-7386-01A-11D-2012-08	HNSC	dac99486-00bc-41ad-92b4-8bed1a28b122
TCGA-CR-7388-01A-11D-2012-08	HNSC	3eddb2ad-6c75-4ae7-9d27-8ec0e7b4aa55
TCGA-CR-7389-01A-11D-2012-08	HNSC	37149937-8131-4dbf-916b-d599d203eba7
TCGA-CR-7390-01A-11D-2012-08	HNSC	714399af-e425-43bb-a82a-b62ca6fd735d
TCGA-CR-7391-01A-11D-2012-08	HNSC	7236609c-34dd-425a-b882-2dff36983f7b
TCGA-CR-7392-01A-11D-2012-08	HNSC	0616d3e5-9641-4329-a65a-19f4c6918e1c

TCGA-CR-7393-01A-11D-2012-08	HNSC	f59ef1d2-2fc0-44a0-9d2f-c4efd9e79f5d
TCGA-CR-7394-01A-11D-2012-08	HNSC	1fe9a612-4c9a-432d-b175-e1d8bdbc7c56
TCGA-CR-7395-01A-11D-2012-08	HNSC	bd0b1b16-ee20-48e5-be11-70eac9c15630
TCGA-CR-7397-01A-11D-2012-08	HNSC	b93863c2-4657-4ca2-8fce-094fe5df163a
TCGA-CR-7398-01A-11D-2012-08	HNSC	12c391dc-3138-4e73-bdc7-b06512dd0fa7
TCGA-CR-7399-01A-11D-2012-08	HNSC	0a76ba15-f6e5-484f-8a52-9be8351ebdb7
TCGA-CR-7401-01A-11D-2012-08	HNSC	f8d6968c-2648-4dcf-a0da-77e46878581c
TCGA-CR-7402-01A-11D-2012-08	HNSC	015b1cc4-6fa5-43c1-9444-4a1af7663f7e
TCGA-CR-7404-01A-11D-2129-08	HNSC	1c1a8920-9163-4d56-a982-61c4e792cee7
TCGA-CV-5430-01A-02D-1683-08	HNSC	4dfcbe35-9e78-4629-8a00-96fee7062d1e
TCGA-CV-5431-01A-01D-1512-08	HNSC	f1a234f0-8890-4cf3-891f-c7a7423b1e75
TCGA-CV-5432-01A-02D-1683-08	HNSC	91e9ac70-5524-4b13-9d53-7cec52b38ea5
TCGA-CV-5434-01A-01D-1683-08	HNSC	69ef7b45-cd0e-4d59-a0ee-35a8c830120c
TCGA-CV-5435-01A-01D-1683-08	HNSC	ec0a719b-3c3a-4797-9ec5-90d3474da727
TCGA-CV-5436-01A-01D-1512-08	HNSC	34dc613e-e4b4-4897-ac4b-13ff46e46d7e
TCGA-CV-5439-01A-01D-1683-08	HNSC	42a06486-b084-4497-8fe0-a8cff194e020
TCGA-CV-5440-01A-01D-1512-08	HNSC	5f5ba5a9-8089-4fe7-92e3-6c31c5fb32d4
TCGA-CV-5441-01A-01D-1512-08	HNSC	f57f2873-a4ae-4fc0-9d4c-e1f4ef47482e
TCGA-CV-5442-01A-01D-1512-08	HNSC	4d42594f-c1f4-45ed-8bd2-7701f914d33c
TCGA-CV-5443-01A-01D-1512-08	HNSC	9d279797-4464-4ef5-8858-640978ccc258
TCGA-CV-5444-01A-02D-1512-08	HNSC	cf975479-131b-4b37-927e-cacbf1f13e62d
TCGA-CV-5966-01A-11D-1683-08	HNSC	24ad5336-f5ee-49c0-a176-48411285fbe8
TCGA-CV-5970-01A-11D-1683-08	HNSC	a52dc15f-d06d-46ed-a73e-aa004a2a736a
TCGA-CV-5971-01A-11D-1683-08	HNSC	881a530b-fdd2-4674-b95d-fded0dfce4ff
TCGA-CV-5973-01A-11D-1683-08	HNSC	b848fbad-1eb3-4bc2-9006-2d0ca559cee8
TCGA-CV-5976-01A-11D-1683-08	HNSC	7b643ce3-43bc-4a14-942a-0d6fcffa0312
TCGA-CV-5977-01A-11D-1683-08	HNSC	81f3c96a-54bb-4629-a64e-7c8dae66e11a
TCGA-CV-5978-01A-11D-1683-08	HNSC	791d4f3f-90e0-4fa5-9671-9b5f04ed3eca
TCGA-CV-5979-01A-11D-1683-08	HNSC	c2c31b58-c5b3-4fc3-be99-b978d2961f86
TCGA-CV-6003-01A-11D-1683-08	HNSC	9a040a5e-3d2b-433a-9786-7c26b433c0c2
TCGA-CV-6433-01A-11D-1683-08	HNSC	16b220fa-a554-43c9-85b0-315331e5ba6e
TCGA-CV-6436-01A-11D-1683-08	HNSC	a5214457-3a86-4b29-b116-3baaa0aa5099
TCGA-CV-6441-01A-11D-1683-08	HNSC	22b32736-3b91-4542-affa-46fa90819e69
TCGA-CV-6933-01A-11D-1912-08	HNSC	8ef4b02e-4d34-4d58-aa2d-65a7f73982d5
TCGA-CV-6934-01A-11D-1912-08	HNSC	f5abf385-0372-4faa-9558-8bf02381b68b
TCGA-CV-6935-01A-11D-1912-08	HNSC	fdc0ebce-5ba2-4c18-b594-50b33ef6d116
TCGA-CV-6936-01A-11D-1912-08	HNSC	2d4bdd75-d967-40b2-b55d-99e59cc7e125
TCGA-CV-6937-01A-11D-2012-08	HNSC	1c78a20e-150f-4c12-8abe-b941f90e730f
TCGA-CV-6938-01A-11D-1912-08	HNSC	b1dcb76e-b98f-4989-90a2-885e50d8174c
TCGA-CV-6939-01A-11D-1912-08	HNSC	e2e84cc1-2944-489e-be1b-0018a4e723e4
TCGA-CV-6940-01A-11D-1912-08	HNSC	39f2e005-79f9-4c63-a6d6-0b378481a3ba

TCGA-CV-6941-01A-11D-1912-08	HNSC	87071681-0058-4081-91f3-f689a150fc94
TCGA-CV-6942-01A-21D-2012-08	HNSC	c5409f12-e438-4979-b40e-120899c1fa15
TCGA-CV-6943-01A-11D-1912-08	HNSC	4fa37ade-3451-406d-b0bb-e135e1591b70
TCGA-CV-6945-01A-11D-1912-08	HNSC	fcfc9b74-5b8a-45b7-97ca-4e477e941e7c
TCGA-CV-6948-01A-11D-1912-08	HNSC	03eb2650-4b9f-46d2-b09f-378d8e919ae2
TCGA-CV-6950-01A-11D-1912-08	HNSC	4a341860-44fb-493e-bd46-acb6610842de
TCGA-CV-6951-01A-11D-1912-08	HNSC	9e1bf26c-6a68-44d2-aaa8-9af2f67828aa
TCGA-CV-6952-01A-11D-1912-08	HNSC	2d859062-3655-471e-b3dd-e6ff0671c076
TCGA-CV-6953-01A-11D-1912-08	HNSC	fb79f2be-3dec-4b5a-b5f3-e29e0fb05a98
TCGA-CV-6954-01A-11D-1912-08	HNSC	08f56645-763e-4864-a145-c0136dacd4f5
TCGA-CV-6955-01A-11D-2012-08	HNSC	f2c7fbe1-af36-4c42-b5ae-b9bfl1e88fe36
TCGA-CV-6956-01A-21D-2012-08	HNSC	9ccee056-124e-40d5-a07d-c208765d8640
TCGA-CV-6959-01A-11D-1912-08	HNSC	ff4cc4f1-9897-4d04-a3f6-c28a9b928b7a
TCGA-CV-6960-01A-41D-2012-08	HNSC	750da72e-cabd-4b97-8160-8c4e39272b8b
TCGA-CV-6962-01A-11D-1912-08	HNSC	0b2767d9-10b4-4ec4-9437-5a5186e284ca
TCGA-CV-7089-01A-11D-2012-08	HNSC	125ccb76-bf8d-4ce7-a04c-4424d6da0322
TCGA-CV-7090-01A-11D-2012-08	HNSC	5c636c2d-f426-43a9-984d-b4455e4388e5
TCGA-CV-7091-01A-11D-2012-08	HNSC	563c5a89-6dad-467e-b2ea-e07677574a08
TCGA-CV-7095-01A-21D-2012-08	HNSC	e4aba107-a048-46e5-b0aa-901f076b6f61
TCGA-CV-7097-01A-11D-2012-08	HNSC	23336d44-bb79-4361-b661-ce26eae06692
TCGA-CV-7099-01A-41D-2012-08	HNSC	12a04e68-c814-4a18-a469-d7edc76e362d
TCGA-CV-7100-01A-11D-2012-08	HNSC	f21a5e1f-84b8-4e6f-8230-03d31cc7c431
TCGA-CV-7101-01A-11D-2012-08	HNSC	511c3fa8-476b-4ee8-8e93-1ab46bc40dbe
TCGA-CV-7102-01A-11D-2012-08	HNSC	eda5514f-3aa1-447c-ad07-55ec307c26e3
TCGA-CV-7103-01A-21D-2012-08	HNSC	e04f3556-ae16-410d-bc03-1057ae308329
TCGA-CV-7104-01A-11D-2012-08	HNSC	4f429401-f71e-4908-9663-2e66bacbebdd
TCGA-CV-7177-01A-11D-2012-08	HNSC	c984165c-88ea-4840-a980-be818db16820
TCGA-CV-7178-01A-21D-2012-08	HNSC	3f30774f-2b8c-4057-abd1-a9dd1e49ec78
TCGA-CV-7180-01A-11D-2012-08	HNSC	4233a363-ba28-495c-8590-644199c33d64
TCGA-CV-7183-01A-11D-2012-08	HNSC	172e7b30-829e-40b2-976e-4971cd1724a9
TCGA-CV-7235-01A-11D-2012-08	HNSC	1758147b-cb09-430b-a8cb-6a144744a79f
TCGA-CV-7236-01A-11D-2012-08	HNSC	dc220a9d-1f16-4fe3-8196-d837a909f038
TCGA-CV-7238-01A-11D-2012-08	HNSC	e9619e49-7185-4158-9e8b-45d446960b60
TCGA-CV-7242-01A-11D-2012-08	HNSC	9e07a1bc-f7c7-4cb4-b3b1-92162a79de0e
TCGA-CV-7243-01A-11D-2012-08	HNSC	bc6a2b7c-8a6c-4084-8551-8d1db9072ec2
TCGA-CV-7245-01A-11D-2012-08	HNSC	56291b3c-595c-4388-a264-9037a48401d8
TCGA-CV-7247-01A-11D-2012-08	HNSC	b0ce56d2-8e2b-42b4-ac59-d37ba5a7a2c3
TCGA-CV-7248-01A-11D-2012-08	HNSC	8ffc7f9d-16da-4cff-b845-f2ff8df87569
TCGA-CV-7250-01A-11D-2012-08	HNSC	14516d2b-47dc-4768-977b-bc3c1fe93722
TCGA-CV-7252-01A-11D-2012-08	HNSC	9692c6b2-ce97-4c92-a0dd-f27d01a94e6e
TCGA-CV-7253-01A-11D-2012-08	HNSC	d501a7e5-70e7-4f80-851a-efe8859d603a

TCGA-CV-7254-01A-11D-2012-08	HNSC	fd22e861-571e-44da-82b6-b128e07d1963
TCGA-CV-7255-01A-11D-2012-08	HNSC	4dedba61-e137-4ae4-8312-94231e3b1d16
TCGA-CV-7261-01A-11D-2012-08	HNSC	9fa7bc79-d05b-41da-8bcc-8d5ad4451b0c
TCGA-CV-7263-01A-11D-2012-08	HNSC	19a07472-c8b9-4a34-b2cb-11ace35e7903
TCGA-CV-7406-01A-11D-2078-08	HNSC	8c9effa8-acb6-4db0-874a-8f0df386924c
TCGA-CV-7407-01A-11D-2078-08	HNSC	94631dc8-6dcb-49ed-bb68-e1a57a65f1cb
TCGA-CV-7409-01A-31D-2229-08	HNSC	47fa56f1-0802-403a-a644-913f1a0fdeca
TCGA-CV-7410-01A-21D-2078-08	HNSC	b89c4f94-b07c-485b-95ba-ffe815616d78
TCGA-CV-7411-01A-11D-2078-08	HNSC	790e387e-9e87-48d0-bc9d-2bc92f20abc5
TCGA-CV-7413-01A-11D-2078-08	HNSC	be482a19-0de0-4e60-a831-9ebe8545a6f3
TCGA-CV-7414-01A-11D-2078-08	HNSC	7137f980-5301-4b18-9664-d887eaced75e
TCGA-CV-7415-01A-11D-2078-08	HNSC	bb1e4188-130c-4206-8671-d7ce3eb8ee74
TCGA-CV-7418-01A-11D-2078-08	HNSC	25a70d04-f533-4e60-b9fc-e74d600db296
TCGA-CV-7421-01A-11D-2078-08	HNSC	ee675976-b447-48c8-bc67-6878a0d35e07
TCGA-CV-7422-01A-21D-2078-08	HNSC	5eb3f291-082c-48a8-b653-09264342adee
TCGA-CV-7423-01A-11D-2078-08	HNSC	a99653e0-2751-4423-93f7-abcf258c9868
TCGA-CV-7424-01A-11D-2078-08	HNSC	76d5fc22-fd06-43f6-94a8-943a09db5fd6
TCGA-CV-7425-01A-11D-2078-08	HNSC	f8cc6696-91d0-4eba-a765-ef7d044238ce
TCGA-CV-7427-01A-11D-2078-08	HNSC	3fdb4698-4a38-4a81-a403-d1ce5568c225
TCGA-CV-7429-01A-11D-2129-08	HNSC	14b42e59-e519-4efc-8105-6f6b83d33353
TCGA-CV-7430-01A-11D-2129-08	HNSC	29a4027f-4d4f-4133-b40a-3bfb6d2ac9e
TCGA-CV-7432-01A-11D-2129-08	HNSC	60da7e3f-4d9c-4cb3-856d-6cc02e381028
TCGA-CV-7433-01A-11D-2129-08	HNSC	15380da5-6a0b-4649-b21b-ce1ed7d61b67
TCGA-CV-7434-01A-11D-2129-08	HNSC	d64e4e80-e6c6-42c8-8bc6-0fab6475c51
TCGA-CV-7435-01A-11D-2129-08	HNSC	16b7fd85-3664-4c4a-9a43-48b107dbcf7f
TCGA-CV-7437-01A-21D-2129-08	HNSC	53413980-80cc-4c73-8bb6-31a01d6df86e
TCGA-CV-7438-01A-21D-2129-08	HNSC	6fd3ecf3-c87c-46c3-81f0-11e2f8936d61
TCGA-CV-7440-01A-11D-2129-08	HNSC	901c2ed5-8348-4dd9-a84c-6c0b18d6525e
TCGA-CX-7082-01A-11D-2012-08	HNSC	4c6c96b8-958e-4235-9673-8bf4ce0e6b38
TCGA-CX-7085-01A-21D-2012-08	HNSC	4f6ee10b-246d-49cd-8b60-01dcb175e634
TCGA-CX-7086-01A-11D-2078-08	HNSC	dfcb7c6e-b0f4-4557-9669-4c580d1093a0
TCGA-CX-7219-01A-11D-2012-08	HNSC	83f92af6-60ab-402e-8990-e1060ca3cc4c
TCGA-D6-6515-01A-21D-1870-08	HNSC	15c4d640-884c-4d55-897e-2f68314423fe
TCGA-D6-6516-01A-11D-1870-08	HNSC	5ab94b24-1a1f-4df7-a5c6-b1dce8ee9be5
TCGA-D6-6517-01A-11D-1870-08	HNSC	c553e4a2-cbea-43d6-8937-a48836856b5a
TCGA-D6-6823-01A-11D-1912-08	HNSC	e1f4d8ef-f24a-417b-bf22-c03c6b65275
TCGA-D6-6824-01A-11D-1912-08	HNSC	b658aa3f-0812-4812-8254-816d9a4d7c04
TCGA-D6-6825-01A-21D-1912-08	HNSC	01f44db3-84dc-4f96-888d-b0370bf582a5
TCGA-D6-6826-01A-11D-1912-08	HNSC	368030ac-f855-452a-a3d3-3698ab9a00dd
TCGA-D6-6827-01A-11D-1912-08	HNSC	059be8f9-9536-40c0-a751-5fe529a2f01f
TCGA-DQ-5624-01A-01D-1870-08	HNSC	01282192-5bb6-44d6-bbc7-33a42eba416b

TCGA-DQ-5625-01A-01D-1870-08	HNSC	4e042e1d-8604-484a-b229-94b85745a478
TCGA-DQ-5629-01A-01D-1870-08	HNSC	e748f828-0b80-47f3-aa92-fb3b2be0dce2
TCGA-DQ-5630-01A-01D-1870-08	HNSC	5aa7ff44-d4ff-4163-81db-9f09bec8d5b0
TCGA-DQ-5631-01A-01D-1870-08	HNSC	e389975a-e588-48d4-9ed3-548e8ed9de1c
TCGA-DQ-7588-01A-11D-2078-08	HNSC	6aad9b01-6a99-4f21-955f-7938af25a188
TCGA-DQ-7589-01A-11D-2229-08	HNSC	de34e28e-942b-442b-b745-7f2a0e56f3ff
TCGA-DQ-7590-01A-11D-2229-08	HNSC	5cbcf67-f062-4a03-84ad-dabfbcf14514
TCGA-DQ-7591-01A-11D-2078-08	HNSC	4068a2fc-452d-4b2c-88d8-72d30097527b
TCGA-DQ-7592-01A-11D-2078-08	HNSC	d8e20b3b-2666-4b53-aa85-a5056028df98
TCGA-DQ-7594-01A-11D-2229-08	HNSC	92e689c0-08ab-472b-aedc-6344fedcbbc0
TCGA-DQ-7595-01A-11D-2229-08	HNSC	7d504cd7-09f0-4691-a1b2-55fc7d206439
TCGA-F7-7848-01A-11D-2129-08	HNSC	ba8a3e47-ee55-4c88-b29f-6d161ffae1d0
TCGA-H7-7774-01A-21D-2078-08	HNSC	0eb5b79a-e3be-4b19-aef6-74247986aaf6
TCGA-HD-7229-01A-11D-2012-08	HNSC	26b27991-540f-47f4-95f3-a59a493da593
TCGA-HD-7753-01A-11D-2078-08	HNSC	7dc33525-6f57-4b12-9b72-c9c845296ae3
TCGA-HD-7754-01A-11D-2078-08	HNSC	233eccdc4-0b42-4533-8908-64ac7d3ac33b
TCGA-HD-7831-01A-11D-2129-08	HNSC	ae914215-3b1a-4edb-9f5a-ce4a17154178
TCGA-HD-7832-01A-11D-2129-08	HNSC	374f3e37-87e5-4450-a89f-0bde3981a31e
TCGA-HD-7917-01A-11D-2229-08	HNSC	451948c9-3d16-4771-b006-28b98580db2c
TCGA-HL-7533-01A-11D-2229-08	HNSC	fbf8f4a8-be9e-4713-884d-c80ef662d622
TCGA-IQ-7630-01A-11D-2078-08	HNSC	80442509-c2f0-4047-956e-a3633dfd472b
TCGA-IQ-7631-01A-11D-2078-08	HNSC	b2266f1c-1642-4849-9278-41e827691aa7
TCGA-IQ-7632-01A-11D-2078-08	HNSC	9fcfc377-a153-401c-95b4-8a4569866096
TCGA-A3-3311-01A-01D-0966-08	RCC	9c095b70-9a64-48b0-8a1c-45dd00a70019
TCGA-A3-3316-01A-01D-0966-08	RCC	e1241cff-4071-482e-be5b-adb9c46a480a
TCGA-A3-3317-01A-01D-0966-08	RCC	cd12847f-695b-4b97-9a56-a4a1ddc58ec4
TCGA-A3-3319-01A-01D-0966-08	RCC	a771a7ad-8dfa-46ee-849d-4478798c46a6
TCGA-A3-3320-01A-01D-0966-08	RCC	5c4cc718-d7b5-453c-89d8-186ab0869e68
TCGA-A3-3322-01A	RCC	6f329d07-3308-4c84-9113-2bf000e9be3b
TCGA-A3-3323-01A-01D-0966-08	RCC	21c50574-7496-4be5-b723-1fdb980fb208
TCGA-A3-3326-01A-01D-0966-08	RCC	60ed222b-cd0c-4bc5-acd0-39f207be3289
TCGA-A3-3346-01A-01D-0966-08	RCC	c8a52c11-2278-4f15-80bb-c7115c2cd737
TCGA-A3-3347-01A-02D-1386-10	RCC	2f4a6bd7-16ff-4689-b41d-c5fabb87823b
TCGA-A3-3349-01A-01D-1251-10	RCC	c2b257f6-9cb5-4598-89c7-f0b55e24dbb3
TCGA-A3-3357-01A-02D-1421-08	RCC	db6f5ad9-ae6e-4689-b146-f733f8352c54
TCGA-A3-3358-01A-01D-1534-10	RCC	fd42afa7-6f0f-48e8-a947-bb9c9f4770ef
TCGA-A3-3362-01A-02D-1386-10	RCC	03c9042a-0206-4f12-b444-62f435140e8d
TCGA-A3-3363-01A-01D-0966-08	RCC	34dac639-c2e5-447d-99c5-c6a3e15538fe
TCGA-A3-3365-01A	RCC	8bc46a09-7328-42e0-ad97-e557ec81048e
TCGA-A3-3367-01A-02D-1421-08	RCC	83a091b9-35cc-4f3b-9d5f-d699b79ac421
TCGA-A3-3370-01A-02D-1421-08	RCC	21ce7121-87b4-4686-9bf6-aff71d8b2223

TCGA-A3-3372-01A-01D-0966-08	RCC	f9f50073-a1d3-4c52-be78-529bd05cbce4
TCGA-A3-3373-01A-02D-1421-08	RCC	6cbaac72-ca6e-4c4b-a016-1836959344c8
TCGA-A3-3376-01A-02D-1421-08	RCC	31031387-393f-4bf9-ba87-cfe7330afc13
TCGA-A3-3378-01A-01D-0966-08	RCC	f04f3a00-e743-4fed-a0b0-e6a81bdd6ddd
TCGA-A3-3380-01A-01D-0966-08	RCC	269d4e2a-a425-4fde-bb51-5880f7f8b2b9
TCGA-A3-3382-01A-01D-0966-08	RCC	f10e1718-6fb8-4c08-bc28-439f26355cd2
TCGA-A3-3383-01A-01D-0966-08	RCC	2ea06f57-c7fa-4881-b9c0-dd3f9c1c4ca0
TCGA-A3-3385-01A	RCC	f780aef6-1c9c-4167-9f55-48885d6e5874
TCGA-A3-3387-01A-01D-1534-10	RCC	e9e149ff-79e0-48f9-9262-1fbbad865e77
TCGA-AK-3429-01A-02D-1386-10	RCC	fa51dce9-2101-4af7-9280-4bad56b6848e
TCGA-AK-3430-01A	RCC	b16a82ca-2eaf-4b7a-b469-2be4a023fc2a
TCGA-AK-3436-01A-02D-1386-10	RCC	714cd118-7f2b-47a5-83f6-41b20674ad03
TCGA-AK-3444-01A-01D-0966-08	RCC	ea794170-156d-4251-b899-abfd60b213b0
TCGA-AK-3451-01A	RCC	242777f6-a875-4072-9696-8d7f7d718906
TCGA-AK-3455-01A-01D-0966-08	RCC	3fbedda4-a6c4-45a4-a963-dc6ca3f7e0ba
TCGA-AK-3456-01A-02D-1386-10	RCC	d36fe1be-96a5-4001-a95e-d499a6087146
TCGA-AK-3458-01A-01D-1501-10	RCC	0198f3c3-78f2-4c19-90d5-c77b74044ca2
TCGA-AS-3778-01A-01D-0966-08	RCC	7b56e923-2bc5-4368-8e28-42649d3bf169
TCGA-B0-4700-01A-02D-1534-10	RCC	32cb433f-359c-44c3-b2df-d2a64df90175
TCGA-B0-4706-01A-01D-1501-10	RCC	040fdd9b-db76-4357-9aed-77a8cbde058d
TCGA-B0-4710-01A	RCC	6fc8cb4b-1dc0-46b8-ae80-7dbd022c9431
TCGA-B0-4712-01A-01D-1501-10	RCC	032b33f8-ff79-47de-8cb2-d744eab8bd1a
TCGA-B0-4810-01A-01D-1501-10	RCC	e014eeeb-c48e-42bb-a683-93299087a3cf
TCGA-B0-4811-01A-01D-1501-10	RCC	a46182dc-2481-4911-9f6b-9532666f9f8c
TCGA-B0-4815-01A-01D-1501-10	RCC	fe091054-41d3-44fa-86a2-fad3ae58423f
TCGA-B0-4816-01A	RCC	d05c3419-4164-4a69-8b11-ce1f5c29b5d4
TCGA-B0-4818-01A-01D-1501-10	RCC	213bf382-c2ca-45d4-95ae-329e6653620f
TCGA-B0-4823-01A-02D-1421-08	RCC	9f790e7e-3475-4242-82fc-cbdd461ce5ef
TCGA-B0-4827-01A-02D-1421-08	RCC	02f83f9a-4e4d-44f3-8d67-b4fc2d35102b
TCGA-B0-4842-01A-02D-1421-08	RCC	ae765ade-6a06-439c-a1cd-67222a70f44e
TCGA-B0-4852-01A-01D-1501-10	RCC	28dbeb57-c919-4f91-aa3c-7b8f3809011e
TCGA-B0-4945-01A-01D-1421-08	RCC	9fae377f-6c63-4f47-a769-a1396fb15f56
TCGA-B0-5075-01A	RCC	200819c3-826e-49a1-8824-6d4752e6eb6f
TCGA-B0-5077-01A-01D-1462-08	RCC	587f2bd8-952a-4f31-98e7-7654c80b8a99
TCGA-B0-5080-01A-01D-1501-10	RCC	9adf0a63-1d5c-403a-9e78-cb9d62a249a4
TCGA-B0-5081-01A-01D-1462-08	RCC	71a9d096-0e27-4585-b54a-48214d83cd6c
TCGA-B0-5085-01A-01D-1462-08	RCC	a36e36ee-48f3-4674-a9f3-a121a09535c5
TCGA-B0-5088-01A-01D-1462-08	RCC	e56245d6-c681-44e0-9eb2-504bee3e1b32
TCGA-B0-5092-01A-01D-1421-08	RCC	76b9d9e3-6010-4894-8435-debe95a376b5
TCGA-B0-5094-01A-01D-1421-08	RCC	8b910c03-86a9-488d-80b4-1f8c214c2941
TCGA-B0-5095-01A-01D-1421-08	RCC	93c714f8-acea-4550-92fe-aad4aad65ac9

TCGA-B0-5096-01A-01D-1421-08	RCC	261de0a2-6006-4b3b-aac0-37d9b33840aa
TCGA-B0-5097-01A-01D-1421-08	RCC	3af2978e-b892-4817-be05-39f020c06b5e
TCGA-B0-5099-01A-01D-1421-08	RCC	c3150136-ae55-49d0-9212-86728464167d
TCGA-B0-5100-01A-01D-1421-08	RCC	b20bd619-59c9-4e2a-8e64-7bb44eaa75ce
TCGA-B0-5102-01A-01D-1421-08	RCC	abea5e3e-705a-4d2c-b207-1ab43767a19b
TCGA-B0-5104-01A	RCC	ac2cfbde-9d62-49db-9a07-e8166003f10f
TCGA-B0-5106-01A-01D-1421-08	RCC	c0e28603-7204-416d-ba3d-5377a38f677d
TCGA-B0-5107-01A	RCC	4c6f4edb-9a29-48e6-8521-9c5fd2572e2d
TCGA-B0-5108-01A-01D-1421-08	RCC	d1d37af8-d2c3-4825-8e47-1a2e52e3acbb
TCGA-B0-5109-01A-02D-1421-08	RCC	58d6e408-ed00-4e1f-bffa-e73250cfe4a0
TCGA-B0-5110-01A	RCC	38041aeb-60fe-4784-a5d8-fd04b5c0c5f8
TCGA-B0-5113-01A-01D-1421-08	RCC	64b234e0-74f6-453f-b5cb-280e01fba09b
TCGA-B0-5115-01A-01D-1421-08	RCC	f122b61c-d537-4456-84e8-54e541eec531
TCGA-B0-5116-01A	RCC	97421d06-b199-4246-b2da-80a9ba313335
TCGA-B0-5119-01A-02D-1421-08	RCC	414d47c7-41bb-4c83-8cdf-703fa0a46f01
TCGA-B0-5120-01A-01D-1421-08	RCC	6ce58fbc-6742-4ade-84b0-cd025266e030
TCGA-B0-5121-01A-02D-1421-08	RCC	a2751cb2-8545-490c-92d9-edb9775d32b8
TCGA-B0-5399-01A	RCC	a1dddbed-c780-412a-b563-914f71e5c75d
TCGA-B0-5400-01A-01D-1501-10	RCC	e7128330-77b1-48be-b9f0-be986aa63ea8
TCGA-B0-5402-01A-01D-1501-10	RCC	ca62bea0-a008-481e-8a91-d0f3a9598255
TCGA-B0-5691-01A-11D-1534-10	RCC	ac2e1d29-e239-4dab-9d81-77c8d45970eb
TCGA-B0-5692-01A-11D-1534-10	RCC	1af40135-8357-40b7-b711-478633a70f97
TCGA-B0-5693-01A-11D-1534-10	RCC	be92ee16-6288-46c0-aaa7-7a27020cd7ca
TCGA-B0-5694-01A-11D-1534-10	RCC	6edbaa05-b935-4f82-b070-8fc80ea6b609
TCGA-B0-5695-01A	RCC	86e4862c-7405-40b5-b73f-be0c6c52ea6d
TCGA-B0-5696-01A-11D-1534-10	RCC	48b270af-07f2-4cb5-ace2-e2676ffaccd9
TCGA-B0-5697-01A-11D-1534-10	RCC	9ca4e638-5a95-4eeb-bfc4-257e8ea8fa66
TCGA-B0-5698-01A-11D-1669-08	RCC	2ddf2fa6-7871-49fb-be2c-8fce6f8e41ed
TCGA-B0-5699-01A	RCC	086554a9-2172-43a7-9f52-aab7d0888429
TCGA-B0-5701-01A-11D-1534-10	RCC	0e1c563a-ee60-478b-9286-ed90e7561892
TCGA-B0-5702-01A-11D-1534-10	RCC	780b3f3e-1c49-40de-9131-65c4df9ebba6
TCGA-B0-5703-01A-11D-1534-10	RCC	963400a2-d939-41a5-8c42-9fc3a04b8362
TCGA-B0-5705-01A-11D-1534-10	RCC	d3095df5-5466-4b98-9f6d-f8ae8916ccca
TCGA-B0-5706-01A-11D-1534-10	RCC	b60cf910-2d2e-483a-a9de-ce1e5f8d3825
TCGA-B0-5707-01A-11D-1534-10	RCC	eb2f9f38-bce2-4746-a3c8-40abc3379b32
TCGA-B0-5709-01A-11D-1534-10	RCC	bfeacbe-7148-4642-b69a-b908a248f328
TCGA-B0-5710-01A-11D-1669-08	RCC	12f1e370-c269-4b95-a89b-a1f3ae42e876
TCGA-B0-5711-01A-11D-1669-08	RCC	cf09ae91-5523-494c-8f30-c26f6ba37624
TCGA-B0-5713-01A-11D-1669-08	RCC	2f35dbf4-3223-4550-951b-1409a30ece68
TCGA-B0-5812-01A-11D-1669-08	RCC	6327ce2c-8a24-45b9-9577-7b7d7b603e68
TCGA-B2-3924-01A	RCC	21527594-ed75-4654-9caf-83d31f248e67

TCGA-B2-4098-01A	RCC	6463ae73-a885-4d69-9345-7110ddac0c7e
TCGA-B2-4099-01A	RCC	e242adb8-db67-475e-a0e4-52a622666b12
TCGA-B2-4101-01A	RCC	a9947b6c-dbc7-4ba5-af61-7647e11e2973
TCGA-B4-5377-01A-01D-1501-10	RCC	a615b02d-fd18-47ef-bd66-6dba56de6981
TCGA-B8-4143-01A-01D-1806-10	RCC	bb186c78-1052-48ec-97f4-c94bddf0df72
TCGA-B8-4146-01B-11D-1669-08	RCC	380bdba7-8a12-4136-877a-f54346d2d8a5
TCGA-B8-4148-01A-02D-1386-10	RCC	fe752e2b-e694-4fa9-99d6-46d5bff9e8cf
TCGA-B8-4151-01A-01D-1806-10	RCC	3f847558-8bc7-49b0-899d-2a7b8f0e3d1a
TCGA-B8-4153-01B-11D-1669-08	RCC	a66078d8-a6b2-4dc4-bfa3-def5a2e4504f
TCGA-B8-4154-01A-01D-1251-10	RCC	e48f5c14-4b64-4d4b-8273-bebc74182181
TCGA-B8-4620-01A	RCC	e4ec1484-4f77-4520-9ff5-bc4dc8a0fb15
TCGA-B8-4621-01A	RCC	242a72ad-5968-4bbf-936d-75b398a61b96
TCGA-B8-4622-01A	RCC	1c86e0f6-a019-47a5-8325-bbb82f76488c
TCGA-B8-5158-01A-01D-1421-08	RCC	9d730534-98e7-464e-945c-5964ccc5362a
TCGA-B8-5159-01A-01D-1421-08	RCC	ed8a9be1-31c6-40e2-9af2-8abd80d00995
TCGA-B8-5163-01A-01D-1421-08	RCC	903132ef-877f-4207-ba28-2e9dd765c824
TCGA-B8-5164-01A	RCC	471ce542-e85b-4bdb-b365-4562a93ef1e5
TCGA-B8-5165-01A-01D-1421-08	RCC	d1579785-5c42-4bda-9825-15ead235f7f4
TCGA-B8-5545-01A-01D-1669-08	RCC	514d2342-64ba-4e9f-9866-63bdbc26fda3
TCGA-B8-5550-01A	RCC	dafed455-98a2-419a-bebc-f90b731e2813
TCGA-B8-5552-01B-11D-1669-08	RCC	13b52e49-20df-4e39-9dc9-cf8f7c157bd7
TCGA-B8-5553-01A-01D-1534-10	RCC	7c19e63c-770b-4289-aa47-9b2cf261b4ca
TCGA-BP-4161-01A	RCC	154de511-2bba-4959-970b-6a8429f29793
TCGA-BP-4162-01A	RCC	ca4eac28-22c9-48d8-8139-7cda2cfe4ae2
TCGA-BP-4163-01A	RCC	e44de28c-bce0-471d-bd4c-bea710f7c3cc
TCGA-BP-4164-01A	RCC	a8fab76e-ae69-43d6-972b-5837aec668fd
TCGA-BP-4167-01A-02D-1386-10	RCC	79b810e1-4de4-496d-9f70-ab62246e781b
TCGA-BP-4770-01A-01D-1501-10	RCC	aecbc5db-f75a-42d0-a84d-aa0369b08eec
TCGA-BP-4782-01A	RCC	a6c21bf2-dd9b-4243-863e-9d53b056666f
TCGA-BP-4801-01A-02D-1421-08	RCC	d3e62cb1-5ced-42cb-a360-479ee01877aa
TCGA-BP-4960-01A-01D-1462-08	RCC	36d21be3-2f46-47af-84aa-2305f2513aa1
TCGA-BP-4961-01A	RCC	f207131d-8db7-464b-a3e5-44218da1cafc
TCGA-BP-4962-01A-01D-1462-08	RCC	3454a6fe-2547-4531-a0be-cb27c1879e72
TCGA-BP-4963-01A-01D-1462-08	RCC	154bfa5d-0d9a-40c6-a2a5-bde1054702c3
TCGA-BP-4964-01A-01D-1462-08	RCC	5b838251-67f5-4e22-a291-8a9e206d56db
TCGA-BP-4967-01A-01D-1462-08	RCC	75866d14-47d5-4560-a5a0-32ba3e15ac63
TCGA-BP-4968-01A-01D-1462-08	RCC	d777d5ec-4632-446e-aeac-8ae3e5273fe2
TCGA-BP-4970-01A-01D-1462-08	RCC	205e81c6-235a-450f-b1f8-80c518eb3478
TCGA-BP-4971-01A-01D-1462-08	RCC	c07945e8-8133-4237-9d1f-18c023bc9d2c
TCGA-BP-4972-01A-01D-1462-08	RCC	b2da5d39-33f6-4807-9d1d-92b7cef2a8df
TCGA-BP-4973-01A-01D-1462-08	RCC	5db95dcc-97e3-42a5-87dd-75a09b9c164a

TCGA-BP-4974-01A	RCC	a75c92b2-c67b-42b5-a8c2-7eea1b567ed0
TCGA-BP-4975-01A-01D-1462-08	RCC	109d2752-17f8-4b00-a61f-dfd8e2e3ca81
TCGA-BP-4976-01A-01D-1462-08	RCC	95bd81ec-3c06-4c4d-9915-5cc3dd7a7155
TCGA-BP-4977-01A-01D-1462-08	RCC	7c3bf7c1-07d9-4540-9a5e-614fd60b63ec
TCGA-BP-4981-01A-01D-1462-08	RCC	64a1f085-50cc-4129-a617-e0f691a58039
TCGA-BP-4982-01A-01D-1462-08	RCC	84591a73-bed0-4ad5-9acd-8f31acf27af0
TCGA-BP-4983-01A-01D-1462-08	RCC	beaafd9-d5c0-4bc4-b08b-833c3c91c9ae
TCGA-BP-4985-01A-01D-1462-08	RCC	e56acfea-aec6-4102-8fe0-25df396c10ae
TCGA-BP-4986-01A-01D-1462-08	RCC	4465171a-d048-4078-b1ae-021b2c635ff4
TCGA-BP-4987-01A-01D-1462-08	RCC	7924f8ff-8e78-4910-9dc5-db14d5ee7011
TCGA-BP-4988-01A-01D-1462-08	RCC	792c9867-ccaa-4520-bbb7-5dabe290664f
TCGA-BP-4989-01A-01D-1462-08	RCC	7096085b-cd5b-4cd1-8957-a6adc7e818a
TCGA-BP-4991-01A-01D-1462-08	RCC	d54c714e-b1c4-4669-986d-5e13d2fc3cc3
TCGA-BP-4992-01A	RCC	212717dd-25f1-4c76-a648-b8a7d65caecf
TCGA-BP-4993-01A-02D-1421-08	RCC	34315bea-6ef2-42ec-b17e-c73eed40647f
TCGA-BP-4995-01A-01D-1462-08	RCC	93b9afac-e12e-49d2-96ac-274da6581d76
TCGA-BP-4998-01A-01D-1462-08	RCC	e646f930-967b-43a3-bd70-184e5c38efe5
TCGA-BP-4999-01A-01D-1462-08	RCC	86ffb814-7c65-426b-b7b5-7250322c4d01
TCGA-BP-5000-01A-01D-1462-08	RCC	b9816eaa-3c60-4fbf-abd6-6d869ca9cca7
TCGA-BP-5001-01A	RCC	e863bd35-0382-4979-b599-033a06a1f50b
TCGA-BP-5004-01A-01D-1462-08	RCC	e3d82fe4-b491-4172-86da-429cf16508de
TCGA-BP-5006-01A-01D-1462-08	RCC	11fb962b-b4b8-46f4-bde4-3f87309e94f3
TCGA-BP-5007-01A	RCC	a44eb1d6-3b5c-42e8-b17a-d71ffc0503d5
TCGA-BP-5008-01A	RCC	41c094e9-6c23-4993-8d90-338b66efefc1
TCGA-BP-5009-01A-01D-1462-08	RCC	3baa3cdc-c63e-4556-baf1-c3b03175b0fa
TCGA-BP-5010-01A-02D-1421-08	RCC	553cbe18-6dd3-4b34-b7fe-96a6dd2e6943
TCGA-BP-5168-01A-01D-1421-08	RCC	9930560d-22e6-43aa-a6f0-02515f7af8f0
TCGA-BP-5169-01A-01D-1429-08	RCC	3527b21e-972b-4c31-b5de-8c394ce0e500
TCGA-BP-5170-01A-01D-1429-08	RCC	68761b2c-66b9-4adf-9b60-955f79ed0f11
TCGA-BP-5173-01A-01D-1429-08	RCC	3ce0a5fc-09ae-412a-8a5b-56d9a44433aa
TCGA-BP-5174-01A-01D-1429-08	RCC	53b5cf8d-f3cf-4e7e-91ec-b0c907d1c13f
TCGA-BP-5175-01A-01D-1429-08	RCC	30e58a1e-e7db-43ce-a7e8-a1fd21f4438e
TCGA-BP-5176-01A-01D-1429-08	RCC	607eb48b-1647-4e35-ac60-f6c50341e304
TCGA-BP-5177-01A-01D-1429-08	RCC	ad4cc7e3-c4d1-4cc0-9c93-33b47dadaaa
TCGA-BP-5178-01A-01D-1429-08	RCC	60888dc5-1408-4bfb-bf27-f3e22f5488e4
TCGA-BP-5180-01A-01D-1429-08	RCC	a776bde5-7503-459c-8419-dc0d744a651e
TCGA-BP-5182-01A-01D-1429-08	RCC	00523547-da1c-4bb1-a627-c0946849b376
TCGA-BP-5183-01A-01D-1429-08	RCC	cd4c37c3-95f2-4612-b6a8-9d6d1dfb5fd4
TCGA-BP-5184-01A-01D-1429-08	RCC	ddebed14-f47f-46e6-ac39-c74ed3363211
TCGA-BP-5185-01A-01D-1429-08	RCC	42dc6d82-f52a-4b13-b3bc-c63002b47e98
TCGA-BP-5186-01A-01D-1429-08	RCC	02b98f85-07df-4fb2-b27e-efd368c84ec8

TCGA-BP-5187-01A	RCC	3257e690-9306-434f-b6ac-17da58ab1243
TCGA-BP-5189-01A-02D-1429-08	RCC	ca98342a-65ec-468a-9cc1-44c7d31a67d6
TCGA-BP-5190-01A-01D-1429-08	RCC	5491645b-552c-47a9-b081-e8e508d1df3d
TCGA-BP-5191-01A-01D-1429-08	RCC	64dd8a08-483e-4dce-90b0-64a751fdbebd
TCGA-BP-5192-01A-01D-1429-08	RCC	4db23b76-46dd-4ed9-a168-fee43b2fc7d7
TCGA-BP-5194-01A-02D-1429-08	RCC	5b52c97e-fdd2-4ae2-b036-297feeb1c7e2
TCGA-BP-5195-01A-02D-1429-08	RCC	c2ab2f01-3744-434a-b5b6-0f22599c9a17
TCGA-BP-5196-01A-01D-1429-08	RCC	201bf07d-0be9-442f-ad66-15ea8c7e812d
TCGA-BP-5198-01A-01D-1429-08	RCC	ac66d658-97d4-416b-8028-0077a1c8a01d
TCGA-BP-5199-01A-01D-1429-08	RCC	135f3b77-1474-40d8-87a1-15939136e8cd
TCGA-BP-5200-01A	RCC	e2557bba-b331-40c2-8389-c52324630bca
TCGA-BP-5201-01A-01D-1429-08	RCC	243c77a9-1591-45ac-b048-a5687a77c764
TCGA-BP-5202-01A-02D-1429-08	RCC	acc7214-d441-4a72-a2eb-9f2811c38a3e
TCGA-CJ-4634-01A-02D-1386-10	RCC	59f18fac-c6f8-4cbf-9259-8c22d6ba0c58
TCGA-CJ-4636-01A	RCC	5889076d-0a5f-4c3a-8254-a941df3186f7
TCGA-CJ-4637-01A-02D-1386-10	RCC	b8480571-ee08-4fa1-b509-1331a8fbc075
TCGA-CJ-4638-01A-02D-1386-10	RCC	cbc187b0-fafe-4b1f-9af0-6714942414ab
TCGA-CJ-4639-01A-02D-1386-10	RCC	9df6d1b1-5a09-4082-8ec0-61b12b3c8801
TCGA-CJ-4640-01A-02D-1386-10	RCC	e406036a-eeeb-474e-8c76-0fa8b64225be
TCGA-CJ-4641-01A-02D-1386-10	RCC	c00265ac-c6cc-4349-ac30-e2e44582015a
TCGA-CJ-4643-01A-02D-1386-10	RCC	5e00e420-94fd-4115-9cd9-cef24f6df0eb
TCGA-CJ-4644-01A-02D-1386-10	RCC	2f2888fb-ae20-4347-87dc-f0eeeb9b0d5
TCGA-CJ-4882-01A-02D-1429-08	RCC	b1b7b8e8-cc87-4a52-900a-1f3ef7d449d7
TCGA-CJ-4897-01A-03D-1429-08	RCC	c1331eec-e2df-4924-918b-7e5134e933c2
TCGA-CJ-4899-01A-01D-1462-08	RCC	943ca428-39f6-4ad2-8ca5-220628a6b5bb
TCGA-CJ-4901-01A-01D-1429-08	RCC	a8a8f3ff-0514-4bca-be75-16ad58eb9e72
TCGA-CJ-4902-01A-01D-1429-08	RCC	3ef9ea62-85c4-4261-af23-ecb86f192cdf
TCGA-CJ-4903-01A-01D-1429-08	RCC	3b685193-f1fa-4c1b-949b-bcd2d1b934c
TCGA-CJ-4904-01A-02D-1429-08	RCC	9bedcded-0c33-4199-bdce-18681595c2d8
TCGA-CJ-4905-01A-02D-1429-08	RCC	22eb9dc5-8d5e-4158-8edc-12ff62a612be
TCGA-CJ-4907-01A-01D-1429-08	RCC	7c69fcb9-4b94-478a-bcb3-6ebd162d9482
TCGA-CJ-4908-01A-01D-1429-08	RCC	dbc5420c-5c60-4d1e-8554-9d2f6e55c502
TCGA-CJ-4912-01A-01D-1429-08	RCC	894ade93-8feb-4f93-a31a-d9e16eb81743
TCGA-CJ-4913-01A-01D-1429-08	RCC	0635f266-c4be-45ea-8347-455ef7ad5648
TCGA-CJ-4916-01A-01D-1429-08	RCC	81b0e02c-069c-4c4b-b56f-79c2ebec9927
TCGA-CJ-4918-01A-01D-1429-08	RCC	2c5d4600-0271-4c03-ab44-239ac19d8b4d
TCGA-CJ-4920-01A-01D-1429-08	RCC	12bf3338-f541-45a9-9fb7-e84931ba5ed8
TCGA-CJ-4923-01A-01D-1429-08	RCC	19171a1a-6483-4bf3-b0b4-8cd441303c55
TCGA-CJ-5671-01A-11D-1534-10	RCC	5b1084bb-3fb2-4f3f-9ca7-7108b0f77994
TCGA-CJ-5672-01A-11D-1534-10	RCC	61497c42-78f2-43d4-b2ab-2b1e655271a8
TCGA-CJ-5675-01A	RCC	26f77108-c3b0-4833-9a1a-df457d7415a9

TCGA-CJ-5676-01A-11D-1534-10	RCC	2e8aa293-650b-4661-b130-8b70f0949b86
TCGA-CJ-5677-01A-11D-1534-10	RCC	70fe0b18-52d1-40f7-b2a3-c808b3009610
TCGA-CJ-5678-01A-11D-1534-10	RCC	d49759a2-d2a9-48ba-9447-e42c9d3d64c7
TCGA-CJ-5679-01A	RCC	17313700-6052-4901-8850-981fead99d6c
TCGA-CJ-5680-01A-11D-1534-10	RCC	2c718814-9d25-49a6-a430-2019071ec0ab
TCGA-CJ-5681-01A-11D-1534-10	RCC	9ae0744a-9bc1-4cd7-b7cf-c6569ed9e4aa
TCGA-CJ-5682-01A-11D-1534-10	RCC	deceb0ba-600f-491a-a207-2e0205ff89d2
TCGA-CJ-5683-01A-11D-1534-10	RCC	b85e29c5-0206-4d65-aa46-179a55c0ceae
TCGA-CJ-5684-01A-11D-1534-10	RCC	24ee4b71-c2e0-44c3-aaeb-3c488cd26ce7
TCGA-CJ-5686-01A-11D-1669-08	RCC	695e2a72-6b97-4fa1-9f57-d7c6e10438ee
TCGA-CJ-6027-01A-11D-1669-08	RCC	b0483455-4cde-408f-b831-17223c03241a
TCGA-CJ-6028-01A-11D-1669-08	RCC	d165717a-cc3d-4533-8194-0029c186f1bb
TCGA-CJ-6030-01A-11D-1669-08	RCC	c904299c-09a8-4a4c-9378-2fee0ac4cd33
TCGA-CJ-6031-01A-11D-1669-08	RCC	a47debc7-700e-4c64-a9b3-1113609a1ddf
TCGA-CJ-6032-01A-11D-1669-08	RCC	8c9823f0-69af-474d-adb7-5ec8ef4e5af7
TCGA-CJ-6033-01A-11D-1669-08	RCC	c7ce9042-f63c-4a93-a82d-f21977bd9bcb
TCGA-CW-5580-01A-01D-1669-08	RCC	6e4ed3ae-aa80-453a-95be-0af96a7bc4e3
TCGA-CW-5581-01A	RCC	22be4bab-231e-4784-aaa9-45ae158a5153
TCGA-CW-5583-01A-02D-1534-10	RCC	2cb6b578-8543-4a12-8331-1721dde47303
TCGA-CW-5585-01A-01D-1534-10	RCC	bd6d9aa8-d0ef-4810-a43c-eacdd846c44e
TCGA-CW-5591-01A-01D-1534-10	RCC	02ac80cd-caa3-4dbc-9b57-4a324cec0ad4
TCGA-CW-6087-01A-11D-1669-08	RCC	65c23a97-1763-47d5-8648-df24cf0226f3
TCGA-CW-6090-01A-11D-1669-08	RCC	3b2e654a-4c13-4dab-9e18-1445a43af3e6
TCGA-CW-6093-01A-11D-1669-08	RCC	9b1beb37-1ed7-43c0-a532-56df7941111f
TCGA-CZ-4853-01A-01D-1429-08	RCC	bdef62d1-a036-43b4-811b-bf4beab7eca8
TCGA-CZ-4856-01A-02D-1429-08	RCC	85e26450-4cb1-4a91-ad86-a6d44890ee97
TCGA-CZ-4859-01A-02D-1429-08	RCC	82c0b6e4-cb0f-4870-81c9-b45a93d6f5d3
TCGA-CZ-4863-01A-01D-1501-10	RCC	4286d73b-1fb9-41a3-baba-46f23100586a
TCGA-CZ-4865-01A-02D-1501-10	RCC	f8eac30d-1155-44cc-a2ad-95427fecf4bf
TCGA-CZ-4866-01A-01D-1501-10	RCC	a3a06421-7838-4ac2-b5d5-45d2ea651368
TCGA-CZ-5451-01A-01D-1501-10	RCC	b1923d68-1d1e-4b59-b643-09e2c5969efd
TCGA-CZ-5452-01A-01D-1501-10	RCC	96bd68cb-5d8e-4de1-88ca-5f30fbdde036
TCGA-CZ-5453-01A-01D-1501-10	RCC	605079f6-2d6e-4c38-a214-b4c8875dd166
TCGA-CZ-5454-01A-01D-1501-10	RCC	d9fd1928-7b7d-4147-aeff-1618393ba26c
TCGA-CZ-5455-01A	RCC	d6a730ef-3f0d-47c1-977e-5c80647356d4
TCGA-CZ-5456-01A-01D-1501-10	RCC	45d5c746-60e3-4531-8db0-fd648811d45f
TCGA-CZ-5457-01A	RCC	8d54b22b-ee4b-45e0-922e-24e3c20c4c1a
TCGA-CZ-5458-01A-01D-1501-10	RCC	1737382a-a1c9-45e1-b009-a29be1d93749
TCGA-CZ-5459-01A-01D-1501-10	RCC	5711cdaa-7368-4a4f-8639-5df60a2fedac
TCGA-CZ-5460-01A-01D-1501-10	RCC	a6de1551-2a1a-4a43-ba7f-caa436f5f6dd
TCGA-CZ-5461-01A-01D-1501-10	RCC	79feee74-7b14-48d9-9be7-8d7671c79c83

TCGA-CZ-5462-01A-01D-1501-10	RCC	74eed0c6-b3cc-4666-8ef0-194e1bbe1048
TCGA-CZ-5463-01A-01D-1501-10	RCC	3732539b-eb77-485b-81a1-83be956a9a87
TCGA-CZ-5465-01A-01D-1806-10	RCC	062b7e63-bb4e-4eaa-9aa4-f2af44c2ab37
TCGA-CZ-5466-01A	RCC	694ca445-7bac-4216-acf5-e227650ae973
TCGA-CZ-5467-01A-01D-1501-10	RCC	99c640a3-660f-4723-bf82-36fcb3134356
TCGA-CZ-5468-01A-01D-1501-10	RCC	50c6b5a2-cd0e-4adf-b85f-0f9c1847477f
TCGA-CZ-5469-01A-01D-1501-10	RCC	3df654a0-48b0-45ff-bfe1-b5f78f63b30d
TCGA-CZ-5470-01A-01D-1501-10	RCC	c9a7ca9e-c36e-46c1-926f-4a57a0584cb0
TCGA-CZ-5982-01A-11D-1669-08	RCC	2c3c0f78-1c0a-48df-856e-0afb2b5bceb
TCGA-CZ-5984-01A-11D-1669-08	RCC	89e8e486-0c93-4056-88ed-83fd0d5a7f2c
TCGA-CZ-5985-01A-11D-1669-08	RCC	ad5eae3d-2f73-49d2-be47-5891e7772bc6
TCGA-CZ-5986-01A-11D-1669-08	RCC	0abded91-5a5f-4923-bcf0-7fdda64ae232
TCGA-CZ-5987-01A-11D-1669-08	RCC	84a1a8d2-54c6-4771-9092-27c5f7fc4e5c
TCGA-CZ-5988-01A-11D-1669-08	RCC	668172b3-1e6f-4362-8432-3651925b86a6
TCGA-CZ-5989-01A-11D-1669-08	RCC	852e1614-35c0-4ba7-a29c-e8e2a91aa1b7
TCGA-DV-5565-01A-01D-1534-10	RCC	ee24d408-6043-4ca0-8bde-f29e798cc479
TCGA-DV-5566-01A-01D-1534-10	RCC	39a321cd-dbdf-474b-aead-6e69795470e0
TCGA-DV-5568-01A-01D-1534-10	RCC	ecb100d4-24da-40d9-aeel-2901cf3a655a
TCGA-EU-5904-01A-11D-1669-08	RCC	b13e89f1-683b-4261-94a1-e371d797237f
TCGA-EU-5905-01A-11D-1669-08	RCC	091c18b6-bfc2-4353-9eba-ebc46c2c18c5
TCGA-EU-5906-01A-11D-1669-08	RCC	050dc3b7-e560-44f4-a05c-8c792d8467a8
TCGA-EU-5907-01A-11D-1669-08	RCC	5fded36e-05ba-4cce-8303-738f5b04ad16
TCGA-AB-2807-03D-01W-0755-09	AML	3d15bdda-bbb7-4e3d-bdd6-7546d2905e95
TCGA-AB-2809-03D-01W-0755-09	AML	d86f567d-84f8-4a95-af1d-5a26ada92830
TCGA-AB-2814-03D-01W-0755-09	AML	604f0c72-efc7-4868-bc54-79d8f3f3507b
TCGA-AB-2822-03D-01W-0755-09	AML	68b67026-2f30-4839-8579-7a07341b8976
TCGA-AB-2825-03D-01W-0755-09	AML	e6e4b579-9ddf-4fb1-bb65-db8321294852
TCGA-AB-2840-03D-01W-0755-09	AML	cb122429-5b01-4fad-b498-b0342230b567
TCGA-AB-2845-03D-01W-0755-09	AML	98d27719-6f38-433a-ba0a-a14cb32958d8
TCGA-AB-2853-03D-01W-0755-09	AML	9e238bbc-61ba-4966-b30e-ba7ab1a5b11b
TCGA-AB-2858-03D-01W-0755-09	AML	b9dcb0aa-0098-49a9-a0c8-790a06dadae8
TCGA-AB-2863-03D-01W-0755-09	AML	d4ba0ac2-9d98-430b-bb0d-e1bada2d5486
TCGA-AB-2864-03D-01W-0755-09	AML	07f07406-597d-40b7-b218-ef40aad6f0bc
TCGA-AB-2872-03A-01W-0732-08	AML	495c3e6d-76f1-499d-894b-761d50b70566
TCGA-AB-2909-03A-01W-0755-09	AML	39ad6508-a476-4a33-ae8d-6e25fa36369e
TCGA-AB-2912-03A-01W-0732-08	AML	da01cad7-961b-46e2-8a80-9c846694ad5b
TCGA-AB-2918-03A-01W-0745-08	AML	d0833641-77a1-41fd-b635-d216b00d007b
TCGA-AB-2921-03A-01W-0755-09	AML	779697fe-899a-4bfb-a1d3-44a847487b6b
TCGA-AB-2926-03A-01W-0732-08	AML	890ea799-3156-40c3-839c-0c60179006d7
TCGA-AB-2927-03A-01W-0755-09	AML	46bbb19d-2bc9-4f0a-ac4e-cad7327ca142
TCGA-AB-2934-03A-01W-0755-09	AML	7791e140-fe03-44d0-8250-47826ea993df

TCGA-AB-2946-03A-01W-0755-09	AML	f24b41b4-79bf-4736-96c8-83921811bb95
TCGA-AB-2948-03A-01W-0755-09	AML	7b0fb197-8465-430b-9da7-322f2d218729
TCGA-05-4244-01A-01D-1105-08	LUAD	738c514d-ff0f-4220-9326-236119891df5
TCGA-05-4249-01A-01D-1105-08	LUAD	8be717b5-5b65-4631-a175-1f4c063d447e
TCGA-05-4250-01A-01D-1105-08	LUAD	41c4fe84-8beb-4a3a-920c-e74c7edd2182
TCGA-05-4382-01A-01D-1265-08	LUAD	005b918d-e4a9-4971-9588-656a35c33dec
TCGA-05-4384-01A-01D-1753-08	LUAD	4c71b66b-813f-472b-b866-b34b5b9199e7
TCGA-05-4389-01A-01D-1265-08	LUAD	c6f382d4-a522-4333-88b5-be7f55fe80f5
TCGA-05-4390-01A-02D-1753-08	LUAD	d0854b5b-69be-4b84-aa37-ecdd0bc14de9
TCGA-05-4395-01A-01D-1265-08	LUAD	dc45b4de-4c03-4fe4-89e0-d1cf378084b6
TCGA-05-4396-01A-21D-1855-08	LUAD	0176cf1d-0760-4769-a493-277f4bb7585e
TCGA-05-4397-01A-01D-1265-08	LUAD	4b7be121-49af-4a44-95dd-0a487d47228f
TCGA-05-4398-01A-01D-1265-08	LUAD	9e4b2be6-e149-4c22-93e1-512c3c6bbea8
TCGA-05-4402-01A-01D-1265-08	LUAD	75475a84-582d-4949-a428-1e28ad526d8c
TCGA-05-4403-01A-01D-1265-08	LUAD	7e25ac0e-94e4-42f6-ae6f-89d0d21ce09f
TCGA-05-4405-01A-21D-1855-08	LUAD	3ef10eb8-d713-4fda-9e03-bc594b356d77
TCGA-05-4410-01A-21D-1855-08	LUAD	f85d0d42-436b-4251-a7fd-7d0f5fddd397
TCGA-05-4415-01A-22D-1855-08	LUAD	128f52c7-49dc-4a9f-a5bc-1c14684edc9c
TCGA-05-4417-01A-22D-1855-08	LUAD	57e3657d-7a3c-4d80-a2c2-2de0293f5f05
TCGA-05-4418-01A-01D-1265-08	LUAD	b07397ae-592b-4eb4-98b3-7c7e81ecb5e0
TCGA-05-4420-01A-01D-1265-08	LUAD	0536b000-eaf3-4cb2-b46b-8dd9f23c8199
TCGA-05-4422-01A-01D-1265-08	LUAD	a5370f18-e8a9-43d8-9eb8-be678ccd4669
TCGA-05-4424-01A-22D-1855-08	LUAD	fc500ff5-24c8-4965-94da-b4afafafe2dd
TCGA-05-4425-01A-01D-1753-08	LUAD	4a367804-9934-4241-90da-0ba0245564bd
TCGA-05-4426-01A-01D-1265-08	LUAD	117c6aff-8899-48f4-9328-746207d38eff
TCGA-05-4427-01A-21D-1855-08	LUAD	736e0134-8b1a-4ff1-9106-ca09c9812ef6
TCGA-05-4430-01A-02D-1265-08	LUAD	23398531-3f4c-45e6-980b-755165c04974
TCGA-05-4432-01A-01D-1265-08	LUAD	377ab4af-0958-4b8b-ac0c-4cd49c1e4c2e
TCGA-05-4433-01A-22D-1855-08	LUAD	fab4f1ca-1605-4c30-8b3e-badb44eb6580
TCGA-05-4434-01A-01D-1265-08	LUAD	f529778c-5968-4d87-80c0-bd14ba2311d0
TCGA-05-5420-01A-01D-1625-08	LUAD	8371b6a4-ffea-4fe5-b997-76ece85064a7
TCGA-05-5423-01A-01D-1625-08	LUAD	209d853d-6c50-4223-a572-a90d58aee51e
TCGA-05-5425-01A-02D-1625-08	LUAD	70a3e96b-dd26-419c-9a68-97dea0465d6e
TCGA-05-5428-01A-01D-1625-08	LUAD	7744a93b-0565-4d83-afad-caa02358f258
TCGA-05-5429-01A-01D-1625-08	LUAD	37d0cf1b-1743-4852-8073-372b16b5c17d
TCGA-05-5715-01A-01D-1625-08	LUAD	62fda17b-1de0-4b7e-bd28-a6793bc36d37
TCGA-17-Z000-01A-01W-0746-08	LUAD	ba9d9630-fc6c-4ffb-8464-c1a2ddec6579
TCGA-17-Z001-01A-01W-0746-08	LUAD	d5e77555-9412-4e64-a6aa-65c996e3d521
TCGA-17-Z003-01A-01W-0746-08	LUAD	443d768f-b871-4149-9ef0-2d49bc0d05a1
TCGA-17-Z004-01A-01W-0746-08	LUAD	c1a70a4b-2879-48e8-87e1-b02c57d58705
TCGA-17-Z005-01A-01W-0746-08	LUAD	96b0bb86-6092-47ef-8088-fd0a4f261439

TCGA-17-Z007-01A-01W-0746-08	LUAD	cac5bcd1-f044-4275-89cd-1110d0025537
TCGA-17-Z008-01A-01W-0746-08	LUAD	6b6ddf99-f050-4dfa-85a2-d5a3e3ad56b0
TCGA-17-Z009-01A-01W-0746-08	LUAD	8c5a3460-c1fa-4b7b-9b31-11f9c7b03255
TCGA-17-Z010-01A-01W-0746-08	LUAD	c9fb7916-74d0-4266-b5b8-705018e0e76b
TCGA-17-Z011-01A-01W-0746-08	LUAD	d7495a00-b312-4502-9e1b-9e5f3dbf4b5d
TCGA-17-Z012-01A-01W-0746-08	LUAD	861e9d45-df9a-41a6-9ddf-bc72f85aed80
TCGA-17-Z013-01A-01W-0746-08	LUAD	ee0cbaf2-a0bb-4e58-9e52-5986b5f4f25e
TCGA-17-Z014-01A-01W-0746-08	LUAD	ca24ac3d-4686-4f0c-a47d-0eff92a623b1
TCGA-17-Z015-01A-01W-0746-08	LUAD	770c22ba-b759-433e-8478-b6cf0d685447
TCGA-17-Z016-01A-01W-0746-08	LUAD	39bbd67b-52fd-46e5-98cf-b5632400216d
TCGA-17-Z017-01A-01W-0746-08	LUAD	37049bf1-55cb-44d3-b673-1e270ea835f7
TCGA-17-Z018-01A-01W-0746-08	LUAD	dd1a61eb-8362-41a9-952d-b7e6887457ad
TCGA-17-Z020-01A-01W-0746-08	LUAD	7ea20aa3-68cf-4389-9ace-99d6149d16c1
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TCGA-17-Z022-01A-01W-0746-08	LUAD	7f07e5b3-bf70-4690-84ba-a9eace798a24
TCGA-17-Z023-01A-01W-0746-08	LUAD	bd72330a-463f-471b-9eba-2f188524e74c
TCGA-17-Z025-01A-01W-0746-08	LUAD	99eab29e-32d3-49d5-aa30-56de8be556e7
TCGA-17-Z026-01A-01W-0746-08	LUAD	bb048ffc-de00-4706-85bb-d052c0fb6496
TCGA-17-Z027-01A-01W-0746-08	LUAD	880452fe-00ed-4732-bbcf-14b55c235e61
TCGA-17-Z028-01A-01W-0746-08	LUAD	1f55fb6e-342a-41e0-9a8e-7c5156c95eaa
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TCGA-17-Z036-01A-01W-0746-08	LUAD	374b881a-dbe2-4b4b-bfc0-8431f1aec06c
TCGA-17-Z037-01A-01W-0746-08	LUAD	bffe237d-31b0-4950-a7ab-4ac7047aa3c0
TCGA-17-Z038-01A-01W-0746-08	LUAD	8785c362-1c4d-41da-a29e-5cff21dc2a2e
TCGA-17-Z040-01A-01W-0746-08	LUAD	62d2ca54-b8e0-4907-b75e-cb9786069b52
TCGA-17-Z041-01A-01W-0746-08	LUAD	c0ead7c7-169e-4932-a987-5461611c95e6
TCGA-17-Z042-01A-01W-0746-08	LUAD	3c303e9d-6cda-490d-a64d-21bc40b064f3
TCGA-17-Z043-01A-01W-0746-08	LUAD	577f7267-c568-4002-a153-26c09d1eca97
TCGA-17-Z044-01A-01W-0746-08	LUAD	cb1aaeb8-0c6f-4266-968c-38a3823d85f6
TCGA-17-Z045-01A-01W-0746-08	LUAD	ec7e65c5-7158-427f-8034-8616077da50b
TCGA-17-Z046-01A-01W-0746-08	LUAD	7aac0e3f-39fe-4c9a-9482-50f02f1b919d
TCGA-17-Z047-01A-01W-0747-08	LUAD	2c04cfa8-6e99-46fa-82ad-36fb96e5ffef
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TCGA-17-Z051-01A-01W-0747-08	LUAD	5584878f-0608-45d9-8e28-29c277bf655f
TCGA-17-Z052-01A-01W-0747-08	LUAD	afdf7c82-2a17-4c73-980c-74ec822dc803

TCGA-17-Z053-01A-01W-0747-08	LUAD	2d422986-6e91-4299-b6cf-4076f3706c83
TCGA-17-Z054-01A-01W-0747-08	LUAD	409dd077-dab9-4f79-9c33-2c3b75b63125
TCGA-17-Z055-01A-01W-0747-08	LUAD	de78326d-3afc-4f29-af7f-1750da544826
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TCGA-17-Z059-01A-01W-0747-08	LUAD	88ec6fb4-1b81-422e-8204-ef9e8dbf260c
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TCGA-35-3615-01A	LUAD	7407d705-6ec6-4143-93d2-eedcf5a22399
TCGA-35-3621-01A-01D-0969-08	LUAD	4a0cc41a-562c-4aea-a7c3-b1186d46cda8
TCGA-35-4122-01A-01D-1105-08	LUAD	408e1cb4-64a8-4801-bf58-3b8183ede851
TCGA-35-4123-01A-01D-1105-08	LUAD	7ceccaee-df27-4f7f-bfcd-e1c59b365711
TCGA-35-5375-01A-01D-1625-08	LUAD	63e76bef-3ef1-445f-b591-649d774729cd
TCGA-38-4625-01A-01D-1553-08	LUAD	6f317d31-c9a4-4345-b5b1-b75776536402
TCGA-38-4626-01A-01D-1553-08	LUAD	85b56ce7-b420-433e-a77d-43ef628d685c
TCGA-38-4627-01A-01D-1553-08	LUAD	abef97da-d7db-495f-b594-fa66577becd6
TCGA-38-4628-01A-01D-1265-08	LUAD	67bc44b7-92cf-4e8f-a7f6-c53bf34a17c6
TCGA-38-4629-01A-02D-1265-08	LUAD	4797f969-5f4d-4681-9fc5-68f25ba8f4d8
TCGA-38-4630-01A-01D-1265-08	LUAD	2b139bb4-5a29-4684-901d-8d966ff79ac2
TCGA-38-4631-01A-01D-1753-08	LUAD	b3ffe36d-b0b8-4ada-a00a-b48890c0162c
TCGA-38-4632-01A-01D-1753-08	LUAD	83519ed1-29e2-4f1b-922c-5779f64178bc
TCGA-38-6178-01A-11D-1753-08	LUAD	7fa467f1-d928-4d81-bd0b-68d67a5c18cf
TCGA-44-2655-01A	LUAD	9fcabda1-ea79-4188-8b3f-7d0fd060a819
TCGA-44-2656-01A	LUAD	5593f581-3d45-4a4a-a525-bfae1f4753a0
TCGA-44-2657-01A-01D-1105-08	LUAD	e3aa9b45-13b9-4b61-a30f-ae3f88466040
TCGA-44-2661-01A-01D-1105-08	LUAD	3c3a2e7c-9aa0-495e-95c7-87f661b9ed92
TCGA-44-2662-01A	LUAD	d2198941-e96f-40bd-9fbe-82886217d5db
TCGA-44-2665-01A	LUAD	a0863fa6-515c-44fa-825f-f9e243f945f1
TCGA-44-2666-01A	LUAD	27a64f32-69c5-4c49-86b4-c8fc923cae08
TCGA-44-2668-01A	LUAD	dd9a6c68-b8b4-4168-9ff9-72a45f20c44f
TCGA-44-3396-01A-01D-1265-08	LUAD	d68b216c-b304-4b30-9af7-eb3a9a1a55ae
TCGA-44-3398-01A-01D-1105-08	LUAD	82284bb3-2dfa-4016-a908-3b5994e00d31
TCGA-44-3918-01A-01D-1105-08	LUAD	7f456c3f-58e3-43f1-9f76-4422451528a5
TCGA-44-3919-01A	LUAD	9de8d353-3442-41d8-8bfe-a08c4975eaca
TCGA-44-4112-01A	LUAD	6c206676-e511-4281-91f5-bfe91b3279a4
TCGA-44-5643-01A-01D-1625-08	LUAD	44286013-ae97-4890-86d3-1163285ac0cd
TCGA-44-5645-01A-01D-1625-08	LUAD	dac33765-0c88-4a51-8389-c042ccb78c83
TCGA-44-6144-01A-11D-1753-08	LUAD	f19575fd-eb9d-429f-96ce-c0e8f4bbc593
TCGA-44-6145-01A-11D-1753-08	LUAD	220dc947-4afc-4485-bcc7-cea046100b4b

TCGA-44-6146-01A-11D-1753-08	LUAD	d5e90162-d7d2-4a7c-89f0-51c2b32c9ef0
TCGA-44-6147-01A-11D-1753-08	LUAD	7b6daa70-492e-4283-b3d2-b26f4e26a8d4
TCGA-44-6148-01A-11D-1753-08	LUAD	9c7b3ac8-1352-49cd-8a8c-df6b19f6fd64
TCGA-44-6774-01A-21D-1855-08	LUAD	f9cc1d71-bece-4693-b953-3e73d1b6c11c
TCGA-44-6775-01A-11D-1855-08	LUAD	7a70a44f-84f3-440a-b898-dc3a0eff748e
TCGA-44-6776-01A-11D-1855-08	LUAD	7d3c5101-fae2-4320-a8a2-a93753375368
TCGA-44-6777-01A-11D-1855-08	LUAD	32a0f0f3-3879-4b96-b9bb-eeab87827f6e
TCGA-44-6778-01A-11D-1855-08	LUAD	903182ad-3145-4fa3-869e-62774aedf86c
TCGA-44-6779-01A-11D-1855-08	LUAD	d6990a90-6a99-490b-a476-5298f0c4e4f2
TCGA-49-4486-01A-01D-1265-08	LUAD	3ac132c3-4889-4dc3-8b3d-0ef98065a858
TCGA-49-4487-01A-21D-1855-08	LUAD	9bd8e303-a81e-4ff8-882b-d46a2f7c55d2
TCGA-49-4488-01A-01D-1753-08	LUAD	3635bb9c-a332-4445-ad81-83ccc426dd02
TCGA-49-4490-01A-21D-1855-08	LUAD	940455cf-aa91-432a-bc39-9dfba206e32b
TCGA-49-4494-01A-01D-1265-08	LUAD	136bc973-1908-4767-9b22-d43d522b7c71
TCGA-49-4501-01A-01D-1265-08	LUAD	0c53bb1b-5c6f-44a8-97a0-f89d43e0e789
TCGA-49-4505-01A-01D-1265-08	LUAD	e773a2fe-1d80-492d-bba8-105036a14a92
TCGA-49-4506-01A-01D-1265-08	LUAD	d707f8ad-5ea5-493a-a745-9b5dba64f213
TCGA-49-4507-01A-01D-1265-08	LUAD	562a09a1-b491-45c8-a87d-3c2471353c0d
TCGA-49-4510-01A-01D-1265-08	LUAD	b2c12bff-addd-45a2-ada4-c30ac935809c
TCGA-49-4512-01A-21D-1855-08	LUAD	fa6a60f5-8949-4e01-9435-d3117601627f
TCGA-49-4514-01A-21D-1855-08	LUAD	7751af67-1415-475e-8ec5-66d76f515014
TCGA-49-6742-01A-11D-1855-08	LUAD	49dec0c2-8e75-4f44-a253-82b2ea605890
TCGA-49-6743-01A-11D-1855-08	LUAD	545c9d29-a8e0-4d2d-8552-d27b46f96070
TCGA-49-6744-01A-11D-1855-08	LUAD	bf6ba698-7154-4d7f-b076-24ac2f768696
TCGA-49-6745-01A-11D-1855-08	LUAD	bfb97048-977b-4722-be8f-3dd37370ba30
TCGA-49-6767-01A-11D-1855-08	LUAD	9f82f494-042a-4f00-954c-4761fa25b298
TCGA-50-5044-01A-21D-1855-08	LUAD	ec034986-4bf7-4554-b635-ca6d9c30da28
TCGA-50-5045-01A-01D-1625-08	LUAD	b0d734ad-1222-4bc0-b02b-1d2262b8ac35
TCGA-50-5049-01A-01D-1625-08	LUAD	96358297-0735-4eab-a01c-a6be5d86a3de
TCGA-50-5051-01A-21D-1855-08	LUAD	bb50bc27-fb18-4eee-8785-b8e8b69bcb6e
TCGA-50-5055-01A-01D-1625-08	LUAD	12fe153e-a8f7-49ec-9e0c-f680e2311cf6
TCGA-50-5066-01A-01D-1625-08	LUAD	f5a97315-1906-4774-980e-0879c6ad368e
TCGA-50-5068-01A-01D-1625-08	LUAD	c1efdc48-6ea5-45f0-9fa3-94c42ecf3ab4
TCGA-50-5072-01A-21D-1855-08	LUAD	3c6dcba5-1312-40ca-b589-07f7d88b3477
TCGA-50-5930-01A-11D-1753-08	LUAD	bd3e88b3-b37c-4641-85fa-d8125ba324ca
TCGA-50-5931-01A-11D-1753-08	LUAD	290847c6-c9d4-4a16-a70f-0488e3718f35
TCGA-50-5932-01A-11D-1753-08	LUAD	6726c157-f688-491d-8b56-35628645df89
TCGA-50-5933-01A-11D-1753-08	LUAD	cc3a9cfe-8a14-4fb4-a60f-3ec795c5d7a1
TCGA-50-5935-01A-11D-1753-08	LUAD	9570cd02-3339-4805-855a-74ebe429df96
TCGA-50-5936-01A-11D-1625-08	LUAD	82d380d5-4c07-4cf0-a6e9-7ca9e3fc9a08
TCGA-50-5939-01A-11D-1625-08	LUAD	aa9108d7-5036-4059-ad82-dc64161d5bc3

TCGA-50-5941-01A-11D-1753-08	LUAD	86ef12c0-d5fc-4852-9960-593366e717b4
TCGA-50-5942-01A-21D-1753-08	LUAD	95475c1b-086d-4e09-a871-47d8f76c1a07
TCGA-50-5944-01A-11D-1753-08	LUAD	a314ee0c-694b-4ac8-b572-ff1fbbda4765
TCGA-50-5946-01A-11D-1753-08	LUAD	142d43e8-10e1-4945-a37c-f2824d53b122
TCGA-50-6590-01A-12D-1855-08	LUAD	85de182b-f4ae-41e6-b3fb-f60f46c072e4
TCGA-50-6591-01A-11D-1753-08	LUAD	bf7462a2-394f-4838-bcb6-4d0126fa48b1
TCGA-50-6592-01A-11D-1753-08	LUAD	d0303d05-a937-4a7d-9934-ffa93cc1c5de
TCGA-50-6593-01A-11D-1753-08	LUAD	10e03053-f6e3-42b7-8638-ce58c6e7dfaa
TCGA-50-6594-01A-11D-1753-08	LUAD	e1365c7d-e93e-4478-a8e9-ae2d7ca30bc6
TCGA-50-6595-01A-12D-1855-08	LUAD	9913e506-fc98-467d-8601-89595d0475e8
TCGA-50-6597-01A-11D-1855-08	LUAD	cd0aecd5-93a1-4287-8a88-fe6b7b5e3983
TCGA-55-1592-01A	LUAD	e190a9e4-10ae-4060-a071-4b8b73479023
TCGA-55-1594-01A	LUAD	2885d4b3-34a6-421d-b20c-eedad721d10a
TCGA-55-1595-01A-01D-0969-08	LUAD	f1be8e08-5201-49bb-abf7-cedc0eff06d6
TCGA-55-1596-01A	LUAD	9a7a1b22-9df6-438f-ad00-54755c7dbc7c
TCGA-55-5899-01A-11D-1625-08	LUAD	ddaf36f7-7503-4ab4-b7f5-9777c0c1518c
TCGA-55-6543-01A-11D-1753-08	LUAD	ac7ab3b3-eb76-4da9-bfb3-82b90c8d79d6
TCGA-55-6642-01A-11D-1855-08	LUAD	3c756f7c-d1f0-4ab1-9c9f-41d2282af3bf
TCGA-55-6712-01A-11D-1855-08	LUAD	bc6eaf2b-9ccc-4ac7-9b19-204b0ff420a3
TCGA-64-1676-01A	LUAD	4bdf77d2-33cc-46e0-af34-1e66a90a213a
TCGA-64-1677-01A-01W-0928-08	LUAD	559017d8-4b22-4313-abdd-d3526c889d7f
TCGA-64-1678-01A-01W-0928-08	LUAD	42e3b592-b57f-4b18-8f62-e7b0a9c0f1db
TCGA-64-1680-01A	LUAD	0bdb623-cf95-465a-917d-87dfb6a8618e
TCGA-64-5774-01A-01D-1625-08	LUAD	df5957d5-20d3-483e-990b-d6369fb990b8
TCGA-64-5775-01A-01D-1625-08	LUAD	c209d392-7d3a-481c-8cc7-398a6b90290a
TCGA-64-5778-01A-01D-1625-08	LUAD	3c540f87-5981-4b7a-b1ab-30c2056c785e
TCGA-64-5779-01A-01D-1625-08	LUAD	5734711b-52cd-46e6-9c2a-92c0612fee33
TCGA-64-5781-01A-01D-1625-08	LUAD	fb9cfb49-99cf-4f49-8f3d-e25e762eb3ce
TCGA-64-5815-01A-01D-1625-08	LUAD	e800c8d4-786a-4a9d-ace2-2b779336e557
TCGA-67-3770-01A	LUAD	74bcf2d5-fd42-423e-bd96-b2de1b0cf778
TCGA-67-3771-01A	LUAD	b0410cd6-693d-41d6-9dad-d1b1c30bf5cb
TCGA-67-3772-01A-01W-0928-08	LUAD	09226bc4-0202-4405-b3c9-208e8ffb7408
TCGA-67-3773-01A	LUAD	e4cb66f4-e847-40bf-af14-20a3867a1c35
TCGA-67-3774-01A	LUAD	b3585415-9ab9-4614-8b15-8edb66efd1dc
TCGA-67-4679-01B-01D-1753-08	LUAD	341bf21e-abd5-498e-8c49-111782af842c
TCGA-67-6215-01A-11D-1753-08	LUAD	68c2a355-862c-4657-b296-5776ed8447b0
TCGA-67-6216-01A-11D-1753-08	LUAD	6dc6da8c-2ecf-412f-b2c4-74529adb7c0f
TCGA-67-6217-01A-11D-1753-08	LUAD	cb98d825-668f-4b16-a05e-501e1c94f3fe
TCGA-71-6725-01A-11D-1855-08	LUAD	3a146eb4-7b9b-4834-b3d0-eac80f9173ec
TCGA-73-4658-01A-01D-1753-08	LUAD	b11151cf-6976-4812-a77e-1a12f9d1245c
TCGA-73-4659-01A-01D-1265-08	LUAD	13989aec-b1a3-47c2-bc8e-ccf55f8e0c11

TCGA-73-4662-01A-01D-1265-08	LUAD	48262c89-ecac-44c6-9a06-7170b7b41058
TCGA-73-4666-01A-01D-1265-08	LUAD	f49fc77e-03cd-423c-b3e1-18bb19568650
TCGA-73-4668-01A-01D-1265-08	LUAD	0fdcb5e9-ada2-4755-ae02-491037ee9c10
TCGA-73-4670-01A-01D-1265-08	LUAD	2aea0652-17ae-4dfa-9358-206d4f24f02f
TCGA-73-4675-01A-01D-1265-08	LUAD	59dad620-51f8-4c12-8b09-e635fbde126e
TCGA-73-4676-01A-01D-1753-08	LUAD	ff368c6d-fedb-49cc-b519-7726816aff8d
TCGA-73-4677-01A-01D-1265-08	LUAD	a9c03165-d534-425e-8370-d1f557b82fa2
TCGA-75-5122-01A-01D-1753-08	LUAD	e359b24f-7312-432f-b054-68dedc027df2
TCGA-75-5125-01A-01D-1753-08	LUAD	4cee9575-3040-4ff1-bf7e-ca8873860c59
TCGA-75-5126-01A-01D-1753-08	LUAD	1c1ad138-a59e-4f5d-8382-54c585c9298c
TCGA-75-5146-01A-01D-1625-08	LUAD	965a2bb7-6cd4-4309-beba-51ae74b8a980
TCGA-75-5147-01A-01D-1625-08	LUAD	52910a60-bb15-4ba5-9d09-50d8ee6a445b
TCGA-75-6203-01A-11D-1753-08	LUAD	d9cd7f95-07d3-4b87-be83-87340b08d249
TCGA-75-6205-01A-11D-1753-08	LUAD	79c0e183-95aa-4c37-9b15-8567aa87c93a
TCGA-75-6206-01A-11D-1753-08	LUAD	7a5ca29b-85d3-46b1-a710-6dcd3ce821c8
TCGA-75-6207-01A-11D-1753-08	LUAD	5a49e3fd-a47d-4b7d-9485-4238a88f4516
TCGA-75-6211-01A-11D-1753-08	LUAD	d8c9abbe-b112-4019-a6a3-f582df1379ed
TCGA-75-6212-01A-11D-1753-08	LUAD	0f2af4c9-05a8-4c97-ac2d-af9241b4ea64
TCGA-80-5611-01A-01D-1625-08	LUAD	c9bab512-c5c3-4ad3-a9bf-f5258e405966
TCGA-86-6562-01A-11D-1753-08	LUAD	e48dd11b-89ae-4278-8de0-7956423c8609
TCGA-91-6828-01A-11D-1855-08	LUAD	99f819f2-4340-4303-8ff0-fdb03ef0151a
TCGA-91-6829-01A-21D-1855-08	LUAD	443f5b2d-832e-45cf-bca5-3f064ea3bc50
TCGA-91-6831-01A-11D-1855-08	LUAD	1624af6f-05a6-474c-ba49-9754938979c6
TCGA-91-6835-01A-11D-1855-08	LUAD	8120c5eb-2917-4053-a5e5-aad53ff45da9
TCGA-91-6836-01A-21D-1855-08	LUAD	87045814-366d-4e42-97f2-ad341c620c47
TCGA-18-3406-01A-01D-0983-08	LUSC	d3320989-71fd-425b-933e-6e8528a016ed
TCGA-18-3407-01A-01D-0983-08	LUSC	c5b09119-0237-4804-a4f9-b67d676b8674
TCGA-18-3408-01A-01D-0983-08	LUSC	cab7a425-e081-4bae-b666-6cdf8ba4dd70
TCGA-18-3409-01A-01D-0983-08	LUSC	aa733cb0-37a9-4fef-8d40-d57596ce9e51
TCGA-18-3410-01A-01D-0983-08	LUSC	7e6382c3-368a-43a5-9812-c58f54ceba3f
TCGA-18-3411-01A-01D-0983-08	LUSC	6a9cc303-c7fd-4f40-8933-1636dea99252
TCGA-18-3412-01A-01D-0983-08	LUSC	84aca315-8380-4625-887f-a8b3c704c0a9
TCGA-18-3414-01A-01D-0983-08	LUSC	239deee9-2791-4163-b777-fdf8c49c9e33
TCGA-18-3415-01A-01D-0983-08	LUSC	ad0365d1-10b1-41e6-b838-9c5794b9ad42
TCGA-18-3416-01A-01D-0983-08	LUSC	e03577e7-37be-460b-96e8-5f6e0b49b3aa
TCGA-18-3417-01A-01D-1441-08	LUSC	024d8a82-06c5-4b82-9a27-c52bc4fd450a
TCGA-18-3419-01A-01D-0983-08	LUSC	c75ed357-d845-4443-8c9e-a2afa8ed30df
TCGA-18-3421-01A-01D-0983-08	LUSC	9f0e482e-e72d-4c57-b4f7-4580edabd390
TCGA-18-4083-01A-01D-1352-08	LUSC	0b87a82d-096c-4dd7-80c4-b4054fc1eba2
TCGA-18-4086-01A-01D-1352-08	LUSC	9bbdf36b-6804-416f-977d-fce772972bcc
TCGA-18-4721-01A-01D-1441-08	LUSC	d2ab2555-7288-47a4-a80c-bf62d65b67b8

TCGA-18-5592-01A-01D-1632-08	LUSC	1a6da454-8faf-4725-a702-55d29da461a5
TCGA-18-5595-01A-01D-1632-08	LUSC	973b8ed8-2295-4fb0-b857-f4433dfc785a
TCGA-21-1070-01A-01D-1521-08	LUSC	9e300205-b16d-4f40-bf1b-f47410678f6d
TCGA-21-1071-01A-01D-1521-08	LUSC	e01302f9-c5d6-4745-9c5d-d8bb8d278a77
TCGA-21-1076-01A-02D-1521-08	LUSC	504d4cb0-d2dd-420d-82e6-9ec14434a0fc
TCGA-21-1077-01A-01D-1521-08	LUSC	a71d74cb-5b10-4787-a654-7049cbb49a92
TCGA-21-1078-01A-01D-1521-08	LUSC	8cf9b32d-3d6f-4898-8c7a-89511b754021
TCGA-21-1081-01A-01D-1521-08	LUSC	811f7a11-635c-4606-91fd-3729b97ffd8e
TCGA-21-5782-01A-01D-1632-08	LUSC	4c2ad4a0-5d57-4e27-9f35-058b2f205f50
TCGA-21-5784-01A-01D-1632-08	LUSC	f79285af-c364-4ec3-97d3-70a7d9b5800b
TCGA-21-5786-01A-01D-1632-08	LUSC	d7404e0f-d171-419b-97d3-807570aba129
TCGA-21-5787-01A-01D-1632-08	LUSC	7cb79e4b-c1f1-434d-b13b-6c2eb7760ee8
TCGA-22-0944-01A-01D-1521-08	LUSC	818a6f09-a7fd-4cce-8373-adb4bcb5bc8c
TCGA-22-1002-01A-01D-1521-08	LUSC	7c7604fe-8321-46cb-ac34-0e7994b8853b
TCGA-22-1011-01A-01D-1521-08	LUSC	c9924f9f-fd86-434c-a83d-393d65272e64
TCGA-22-1012-01A-01D-1521-08	LUSC	3b75368a-d57f-4787-a0ef-3f478c7d22bc
TCGA-22-1016-01A-01D-1521-08	LUSC	935b113e-f5ed-4a07-8e1d-1603daba7f40
TCGA-22-4591-01A-01D-1267-08	LUSC	bcfb93d4-8653-477b-b5d2-c2832a0e3d92
TCGA-22-4593-01A-21D-1817-08	LUSC	b4a48075-92fd-43ab-95f3-476bcea88d7b
TCGA-22-4595-01A-01D-1267-08	LUSC	7fcf5123-2d1b-4666-9d39-a1aaf63cf954
TCGA-22-4599-01A-01D-1441-08	LUSC	08732b51-8ec8-4888-b0c8-a0cb83181cb9
TCGA-22-4601-01A-01D-1441-08	LUSC	6c05b3f5-65e9-4e7d-9f99-a694006f2ed0
TCGA-22-4604-01A-01D-1267-08	LUSC	db2614fb-109c-4ce1-af4c-f648a0d417fb
TCGA-22-4607-01A-01D-1267-08	LUSC	d8c6bb83-ebdd-4547-9077-3eba5c8bb9f0
TCGA-22-4613-01A-01D-1441-08	LUSC	5d1d538a-57d3-42ec-9fa3-0fad10b0f52f
TCGA-22-5471-01A-01D-1632-08	LUSC	665e98bf-6163-4d18-9665-ba93df9ecf6d
TCGA-22-5472-01A-01D-1632-08	LUSC	be780766-483f-42f5-b0d0-11d23a940156
TCGA-22-5473-01A-01D-1632-08	LUSC	c107ca1d-5e35-470a-8c39-80dc7624e306
TCGA-22-5474-01A-01D-1632-08	LUSC	1eda33fc-80e5-4c5f-8c61-43976ca0106f
TCGA-22-5477-01A-01D-1632-08	LUSC	e7ebc6fb-0926-4c8a-a67b-0c6b9c1ffaba
TCGA-22-5478-01A-01D-1632-08	LUSC	0ac704eb-d722-4c27-bfb4-fea6ca7af240
TCGA-22-5480-01A-01D-1632-08	LUSC	24e426fb-219a-4a4d-a45c-c9b0896d0e88
TCGA-22-5482-01A-01D-1632-08	LUSC	b57c316e-1cae-4286-bdbb-8b65c020b3fa
TCGA-22-5485-01A-01D-1632-08	LUSC	448af8b4-e071-48b0-a65b-b4ad17afdc0c
TCGA-22-5489-01A-01D-1632-08	LUSC	c4eb6681-7ec3-4688-b06a-c47a0043f3fb
TCGA-22-5491-01A-01D-1632-08	LUSC	ed4b5a8c-1dae-41a3-8a2a-f54fa51be4b8
TCGA-22-5492-01A-01D-1632-08	LUSC	abc94013-71f5-4ac6-88a4-01b4ef9f9d2f
TCGA-33-4532-01A-01D-1267-08	LUSC	c8baeba2-2a73-41d7-9226-b89a8f42e18f
TCGA-33-4533-01A-01D-1267-08	LUSC	52b8c7c1-2cfe-410d-a738-1dec43109e24
TCGA-33-4538-01A-01D-1267-08	LUSC	e04814f8-a51f-4b6b-a4e9-bd8d2291817c
TCGA-33-4547-01A-01D-1267-08	LUSC	7e222fc2-06c5-4686-a885-e407725c2f08

TCGA-33-4566-01A-01D-1441-08	LUSC	ddd84ea3-dd5e-4f95-97c3-84c107c19cad
TCGA-33-4582-01A-01D-1441-08	LUSC	4cb06585-62f9-4aae-969a-2085b4d514c3
TCGA-33-4583-01A-01D-1441-08	LUSC	fb901997-6e46-436f-ad34-74aad344245
TCGA-33-4586-01A-01D-1441-08	LUSC	e6bf4288-9fdd-4c56-b6d2-fa2f5ee542b6
TCGA-33-6737-01A-11D-1817-08	LUSC	3b21ce38-16c6-4c68-9104-fa11f1b619b1
TCGA-34-2596-01A-01D-1522-08	LUSC	66e35f68-f4db-46ee-876e-e770ea616ef3
TCGA-34-2600-01A-01D-1522-08	LUSC	167e0f4e-e7d3-4942-885a-cf06419bbe6d
TCGA-34-2608-01A-02D-1522-08	LUSC	3c90209b-b6f6-40b2-a374-6cd37d6d3895
TCGA-34-5231-01A-21D-1817-08	LUSC	c9862ed2-4ba6-434d-a205-b1bda292d218
TCGA-34-5232-01A-21D-1817-08	LUSC	f32fff2f-0bbf-475f-b088-3f1699203c31
TCGA-34-5234-01A-01D-1632-08	LUSC	7b19ae84-2cab-47e7-87df-46c497da17e0
TCGA-34-5236-01A-21D-1817-08	LUSC	46cb2de7-bbe1-4444-b17e-4c5677a05249
TCGA-34-5239-01A-21D-1817-08	LUSC	6e596912-2146-4c4f-97b6-70b610f5d4b4
TCGA-34-5240-01A-01D-1441-08	LUSC	4c3840df-9824-40db-879e-6d24adc8c155
TCGA-34-5241-01A-01D-1441-08	LUSC	0bcdbc37-cde8-47df-9184-621b2b47da5b
TCGA-34-5927-01A-11D-1817-08	LUSC	d717b13a-e487-4cad-9aac-4b0d649236c4
TCGA-34-5928-01A-11D-1817-08	LUSC	9e2d032e-f982-44fc-b6e0-3be82f029689
TCGA-34-5929-01A-11D-1817-08	LUSC	a25de54e-c13d-4973-864a-e307fbe7324a
TCGA-37-3783-01A-01D-1267-08	LUSC	711e9b21-bd8c-4058-a0ce-5ff4dc23b527
TCGA-37-3789-01A-01D-0983-08	LUSC	d732196f-ef85-43ea-aac7-7c9060bf19c5
TCGA-37-4133-01A-01D-1352-08	LUSC	a678cc49-9009-4027-826f-e17f4533538d
TCGA-37-4135-01A-01D-1352-08	LUSC	754dda66-fceb-4f63-bc99-c98aaa86b0c2
TCGA-37-4141-01A-02D-1352-08	LUSC	3d4f4555-d71a-4c7d-8667-c42dcc20c076
TCGA-37-5819-01A-01D-1632-08	LUSC	edf2a2c0-3829-4da2-8960-598fbd5c4c07
TCGA-39-5016-01A-01D-1441-08	LUSC	d63a0a46-7676-40f5-8e03-b8317d243c73
TCGA-39-5019-01A-01D-1817-08	LUSC	6aecdd71e-84f1-4b4d-bff6-ede33026f58b
TCGA-39-5021-01A-01D-1441-08	LUSC	4d8b4c6f-e6eb-4799-b64d-119afc691e3d
TCGA-39-5022-01A-21D-1817-08	LUSC	f60928ab-0cb1-4483-8d61-48a5333defbf
TCGA-39-5024-01A-21D-1817-08	LUSC	388478e9-8c1f-43f8-88c4-811bf3cc2500
TCGA-39-5027-01A-21D-1817-08	LUSC	32c14926-b510-4714-90b2-b0bd68569cd4
TCGA-39-5028-01A-01D-1441-08	LUSC	015b9329-ecf2-4410-b7b6-f9313b5d2adb
TCGA-39-5029-01A-01D-1441-08	LUSC	aa02c83c-7ef0-400d-bd8d-729dacda6352
TCGA-39-5030-01A-01D-1441-08	LUSC	9e7b63f2-6080-4bb0-b45d-a0d40dffcb0
TCGA-39-5031-01A-01D-1441-08	LUSC	3eab4096-8e8e-459d-a2bb-6ef03f414315
TCGA-39-5035-01A-01D-1441-08	LUSC	035fe73e-56b4-4afe-b70e-dd3c34027f2d
TCGA-39-5036-01A-01D-1441-08	LUSC	a1aa5fba-f179-4777-8d49-345a366d12fa
TCGA-39-5037-01A-01D-1441-08	LUSC	825bd82c-f8f8-4776-a7f5-713b3a574955
TCGA-39-5039-01A-01D-1441-08	LUSC	0c14e914-abd4-4406-be82-a810b10a1320
TCGA-43-2578-01A-01D-1522-08	LUSC	7ce90b30-d372-4edb-9807-b71cb5eb4cb7
TCGA-43-3394-01A-01D-0983-08	LUSC	bb72e789-f8ad-4ab5-805b-a9ac21cef0e3
TCGA-43-3920-01A-01D-0983-08	LUSC	a97333f4-d289-493f-8dff-88e52719fa86

TCGA-43-5668-01A-01D-1632-08	LUSC	f01dfe80-ae9-44f6-b32d-3591fbc3c0f5
TCGA-43-6143-01A-11D-1817-08	LUSC	3874253f-7168-4cd6-b1d6-f426fa207313
TCGA-43-6647-01A-11D-1817-08	LUSC	90b97948-26f7-4431-be89-af8c432baae0
TCGA-43-6770-01A-11D-1817-08	LUSC	404ca8c2-f1bb-4749-8abd-87f491a8111c
TCGA-43-6771-01A-11D-1817-08	LUSC	20735861-1f84-4141-a467-f598108e1e41
TCGA-46-3765-01A-01D-0983-08	LUSC	6c4bb09f-46c8-4a42-bf4f-8bad5316603d
TCGA-46-3766-01A-01D-0983-08	LUSC	0a691892-2209-4f3c-ab16-c2560e4928b4
TCGA-46-3767-01A-01D-0983-08	LUSC	db4ea3ec-e926-4e75-a97b-a527c101b3b9
TCGA-46-3768-01A-01D-0983-08	LUSC	30666313-cc29-4fce-8308-b04fb932083c
TCGA-46-3769-01A-01D-0983-08	LUSC	108a1360-a545-4573-a775-49b3420814e2
TCGA-46-6025-01A-11D-1817-08	LUSC	767a9ae0-2aa4-467b-b9c3-fb3bf701b642
TCGA-46-6026-01A-11D-1817-08	LUSC	42a4a60c-257e-4bf6-a9ba-6f162bdca94a
TCGA-51-4079-01A-01D-1458-08	LUSC	0a43aade-225c-4a29-b1d8-6b930eb8a1db
TCGA-51-4080-01A-01D-1458-08	LUSC	2498ada2-b8d3-4220-8283-45af67a8119a
TCGA-51-4081-01A-01D-1458-08	LUSC	1492c429-1041-4d86-9358-c9b9babd1401
TCGA-56-1622-01A-01D-1521-08	LUSC	0bbc7ede-5022-4084-925c-d65baaf7abc2
TCGA-56-5897-01A-11D-1632-08	LUSC	056acb55-f3ba-4ce0-9735-3cfe6516df55
TCGA-56-5898-01A-11D-1632-08	LUSC	aaf47efe-4a0a-40d1-b70f-9c9168cbdae0
TCGA-56-6545-01A-11D-1817-08	LUSC	16756a08-8308-4ad3-9e21-2cea0cd7028e
TCGA-56-6546-01A-11D-1817-08	LUSC	87e71949-5bd9-458c-95f7-4b19882c2b4f
TCGA-60-2698-01A-01D-1522-08	LUSC	2045c788-9ea8-4ea5-a5e3-65fc16a62adb
TCGA-60-2707-01A-01D-1522-08	LUSC	5d1fa470-2789-4576-9743-0362af682c1d
TCGA-60-2708-01A-01D-1522-08	LUSC	a371189b-5808-4408-824e-8dacec925cc5
TCGA-60-2709-01A-21D-1817-08	LUSC	4f321c92-ae27-4253-bd8b-4505ba8c7dc4
TCGA-60-2710-01A-01D-1522-08	LUSC	faecb1fe-b4ef-434d-818c-81ad2167dd25
TCGA-60-2711-01A-01D-1522-08	LUSC	2ed85cc9-31bc-4cea-9e54-13b70e645fa
TCGA-60-2712-01A-01D-1522-08	LUSC	6662dd1b-3e4f-4b7a-b603-cfa7fd92fc30
TCGA-60-2713-01A-01D-1522-08	LUSC	79eb7bba-f0d8-462c-add7-20a2fb7843e1
TCGA-60-2715-01A-01D-1522-08	LUSC	8e05a30d-2177-45e0-90fd-8c5961268c39
TCGA-60-2719-01A-01D-1522-08	LUSC	ee6cc68e-8d2a-41ee-82c6-0fecdf7e6259
TCGA-60-2720-01A-01D-1522-08	LUSC	3b435ddf-a496-40a2-82e8-6b10391aae5d
TCGA-60-2721-01A-01D-1522-08	LUSC	8defff62-9395-47cb-bb19-4b8487d9ea8e
TCGA-60-2722-01A-01D-1522-08	LUSC	eb955f72-83bf-4635-a7ed-89e4d66e08f4
TCGA-60-2723-01A-01D-1522-08	LUSC	8a6aa45a-ef6d-4005-b7c9-e15240dc6dd4
TCGA-60-2724-01A-01D-1522-08	LUSC	387c6519-6529-4074-a5ab-00f8052a5732
TCGA-60-2725-01A-01D-1267-08	LUSC	f3ed705b-e5aa-4756-9794-e4b85303693a
TCGA-60-2726-01A-01D-1522-08	LUSC	a96eddfc-3afb-4bf8-a440-c91778113fbd
TCGA-63-5128-01A-01D-1441-08	LUSC	d3b9b51e-eeea-4355-829d-ee35bdd2cf5b
TCGA-63-5131-01A-01D-1441-08	LUSC	b290a86e-22da-4f10-a421-2616bb47bc1b
TCGA-63-6202-01A-11D-1817-08	LUSC	a3c568a6-0c43-47a7-a35a-3225fedeeb44
TCGA-66-2727-01A-01D-0983-08	LUSC	c2b2c909-1461-42ce-8fd9-736147dcacd8

TCGA-66-2734-01A-01D-0983-08	LUSC	9f7a24a2-10e2-4039-ad27-13d7ec28ff36
TCGA-66-2742-01A-01D-0983-08	LUSC	07047a99-45bd-4df6-ad6f-934a48e8e213
TCGA-66-2744-01A-01D-0983-08	LUSC	43be1a37-b18e-4e96-89e6-ed6ee1d8e65a
TCGA-66-2754-01A-01D-0983-08	LUSC	c34a64c8-3746-44f8-a7ee-77f502b6256c
TCGA-66-2755-01A-01D-1522-08	LUSC	177d64a9-65dc-4aa1-8774-bd8208e40f04
TCGA-66-2756-01A-01D-1522-08	LUSC	472c95e6-eccb-4988-be16-fdace73b2ed8
TCGA-66-2757-01A-01D-1522-08	LUSC	1886dba0-4662-4342-84ac-96af0beb2393
TCGA-66-2758-01A-02D-1522-08	LUSC	71c4e854-a704-4787-a37a-fa6642ca5dac
TCGA-66-2759-01A-01D-1522-08	LUSC	fec0a2b-d176-438a-be95-306f453fde40
TCGA-66-2763-01A-01D-1522-08	LUSC	d6493c56-5322-4961-a693-8e8a62b0f7f1
TCGA-66-2765-01A-01D-1522-08	LUSC	85d7e094-ca96-4090-83aa-2f318ae6e954
TCGA-66-2766-01A-01D-1522-08	LUSC	452b75d0-1818-46aa-8804-9cfc0bd66449
TCGA-66-2767-01A-01D-1522-08	LUSC	ca748128-272c-4fad-9a1f-01328b93b3f4
TCGA-66-2768-01A-01D-1522-08	LUSC	5d458cef-965d-4d27-b754-31df67ed6eaa
TCGA-66-2770-01A-01D-1522-08	LUSC	e417903d-ab76-44f0-aae9-3a91fa9a8d3c
TCGA-66-2771-01A-01D-0983-08	LUSC	58c73372-223f-400a-a2df-073a78c58b62
TCGA-66-2773-01A-01D-1267-08	LUSC	fb0b515b-afc4-40c3-abe6-e90c442f0249
TCGA-66-2777-01A-01D-1267-08	LUSC	2ea52fb8-d7c9-48ce-9aef-50df7c42e5d5
TCGA-66-2778-01A-02D-1522-08	LUSC	5215060d-5ffd-49f3-a7a7-73167e7af74a
TCGA-66-2780-01A-01D-1522-08	LUSC	d088bd17-a1a0-4bd9-bfe1-d57b5725c53b
TCGA-66-2781-01A-01D-1522-08	LUSC	bfb33630-c8a8-4ec4-9ee6-8bef349339ea
TCGA-66-2782-01A-01D-1522-08	LUSC	640ff507-203c-45aa-8bc1-030ee8639b5d
TCGA-66-2783-01A-01D-1267-08	LUSC	f574d3b7-4ae4-49bc-9e05-f965fbc86119
TCGA-66-2785-01A-01D-1522-08	LUSC	57debe39-f57d-400a-a860-3de357d6bec1
TCGA-66-2786-01A-01D-1522-08	LUSC	999a6582-33cf-47ca-b268-9b2da102e99b
TCGA-66-2787-01A-01D-0983-08	LUSC	c59e5971-e243-4b00-b5f0-f4bca18530d6
TCGA-66-2788-01A-01D-0983-08	LUSC	2466d424-98bb-4380-9967-36abaa0e69d7
TCGA-66-2789-01A-01D-0983-08	LUSC	fab8faeb-35b3-42f0-b0af-4dfb1325a21a
TCGA-66-2791-01A-01D-0983-08	LUSC	dd468431-2fa4-45ab-be1f-90671891c5c4
TCGA-66-2792-01A-01D-0983-08	LUSC	b704a17a-9ee9-4555-b2bb-250ac1ec5bed
TCGA-66-2793-01A-01D-1267-08	LUSC	7dc5f8ba-0080-43d3-8426-bd527a970761
TCGA-66-2794-01A-01D-1267-08	LUSC	2c58fa70-8fef-4a49-8cde-bfdc92e77919
TCGA-66-2795-01A-02D-0983-08	LUSC	73825564-8731-4137-972a-330490aceadc
TCGA-66-2800-01A-01D-1267-08	LUSC	803ec3a5-4347-41c3-a7b6-7eb00427a48c
TCGA-70-6722-01A-11D-1817-08	LUSC	e81f1bb5-2d06-44b3-998a-e7a0b818467c
TCGA-70-6723-01A-11D-1817-08	LUSC	7483ea9f-8587-41e7-9ae5-d9223b76f33e
TCGA-85-6175-01A-11D-1817-08	LUSC	2ba53bf0-a4e1-4b46-b258-610522aac7ee
TCGA-85-6560-01A-11D-1817-08	LUSC	a5a156b8-2c8a-4ed0-8bae-b60cdc95698f
TCGA-85-6561-01A-11D-1817-08	LUSC	f5aa0f1c-da19-4c04-b695-01ed5b20e79e
TCGA-04-1332-01A-01W-0488-09	OV	b52e5d90-dc57-438c-9c38-e043308c24ac
TCGA-04-1336-01A-01W-0488-09	OV	586101df-93c9-4d0b-ba0e-58df7a2f9598

TCGA-04-1343-01A-01W-0488-09	OV	fbbc3d80-aff2-463e-8eb3-c4361ad7cb98
TCGA-04-1346-01A-01W-0488-09	OV	9f494df7-f64f-4935-ae42-eeb0b94624dc
TCGA-04-1347-01A-01W-0488-09	OV	21b50b8c-781a-4e15-a4ad-715f416f0fa2
TCGA-04-1348-01A-01W-0494-09	OV	1f4dee42-8f3d-4307-b6e5-3381d77d201c
TCGA-04-1349-01A-01W-0494-09	OV	e456f707-f0a0-4624-98bc-e9dfe779182b
TCGA-04-1361-01A-01W-0494-09	OV	0fc567bd-2201-4f3d-820e-2c0dbe58da6f
TCGA-04-1362-01A-01W-0494-09	OV	830e207f-458e-4628-b7bc-287c2f2e12e5
TCGA-04-1542-01A-01W-0553-09	OV	317a63af-e862-43df-8ef5-7c555b2cb678
TCGA-09-0366-01A-01W-0372-09	OV	62269d21-50dc-42b0-b1e4-75ed8010080a
TCGA-09-0369-01A-01W-0372-09	OV	633f5c4d-c224-404c-9f68-24daafd1fc84
TCGA-10-0930-01A-02W-0421-09	OV	ec98ed86-1d2f-4e54-b2d4-5976469bf0b8
TCGA-10-0933-01A-01W-0421-09	OV	3ec4215f-b57d-4ae7-b247-55ea1f7e97d3
TCGA-10-0935-01A-03W-0421-09	OV	af0edbf4-9d90-4373-a9ce-0875ebbe1d04
TCGA-13-0723-01A-02W-0372-09	OV	6f9e5a76-5d2a-4bb0-babf-3f365a177236
TCGA-13-0724-01A-01W-0372-09	OV	2b6aa1c8-5150-4d8f-af59-d5a826321308
TCGA-13-0726-01A-01W-0372-09	OV	201415c2-5b5a-4bb8-8005-bf2c78d4d88e
TCGA-13-0755-01A-01W-0372-09	OV	9bd227fa-e52a-4805-bd04-ad63df0930af
TCGA-13-0760-01A-01W-0372-09	OV	5181630f-246a-4cb4-88c2-1534b5fb8e37
TCGA-13-0765-01A-01W-0372-09	OV	5bcfe3ea-d95e-47ff-9718-6b123d3acaef
TCGA-13-0791-01A-01W-0372-09	OV	70f63e2f-9bc6-4ed9-8d91-f1889287d7b7
TCGA-13-0795-01A-01W-0372-09	OV	b266a007-694a-4580-ad67-48b0f709bc43
TCGA-13-0800-01A-01W-0372-09	OV	757862e3-0392-4e05-a242-25e3d2094ee8
TCGA-13-0804-01A-01W-0372-09	OV	7f39610d-45b8-45ae-806e-16b7acebafa6
TCGA-13-0807-01B-02W-0421-09	OV	f80466d9-6cc8-461b-acc2-addee22bd42a
TCGA-13-0884-01B-01W-0494-09	OV	c5f0aa38-556b-401c-b4da-ac82cdc2e637
TCGA-13-0885-01A-02W-0421-09	OV	a530d9a9-b21e-47be-b4d8-1707b71f360a
TCGA-13-0887-01A-01W-0421-09	OV	e05146f2-688d-416b-a992-e2c7a2b7b244
TCGA-13-0890-01A-01W-0421-09	OV	15b867fb-7a7b-4158-9abd-91870ba77eb7
TCGA-13-0893-01B-01W-0494-09	OV	a335ab49-84b7-4d3b-a03d-9c3931904ca5
TCGA-13-0894-01B-01W-0494-09	OV	eb57990e-702f-4fac-9ef5-7447ecb45ccc
TCGA-13-0897-01A-01W-0421-09	OV	f48ed68f-a833-4b78-971a-3c746c563d24
TCGA-13-0903-01A-01W-0421-09	OV	854167b5-03ab-4867-af34-9c92e385822e
TCGA-13-0910-01A-01W-0421-09	OV	26cebe0b-b7a7-431e-bc12-7fda22af72f3
TCGA-13-0912-01A-01W-0421-09	OV	517f4d7f-c962-414f-8824-f2a7ae19cb6d
TCGA-13-0920-01A-01W-0421-09	OV	2e28969b-c9a9-41ec-80bf-f583197b7f92
TCGA-13-0924-01A-01W-0421-09	OV	510dda3c-6a1f-4781-972f-c9c270608c72
TCGA-13-1403-01A-01W-0494-09	OV	acbc77ba-7cc0-4af2-9ab6-0c835ce33998
TCGA-13-1404-01A-01W-0494-09	OV	692e4b24-daf0-4771-b4a6-b0599f122ad8
TCGA-13-1405-01A-01W-0494-09	OV	c0d1de72-4cce-4d74-93f0-29c462dc1426
TCGA-13-1411-01A-01W-0494-09	OV	e254d7f4-1edf-4054-9ca6-9fe058a05484
TCGA-13-1412-01A-01W-0494-09	OV	f7edafe2-3eab-4bac-9d25-ed5c223b4aee

TCGA-13-1481-01A-01W-0549-09	OV	f9eab025-5518-4240-b1a8-19f8ff8354f0
TCGA-13-1482-01A-01W-0549-09	OV	a68927d4-e827-49c9-9c3a-23ce0543261b
TCGA-13-1483-01A-01W-0549-09	OV	52280c07-44f5-4e9c-8601-7455b5b0de7a
TCGA-13-1488-01A-01W-0549-09	OV	886a8c10-63cf-4cb2-83d2-5a99bbda193d
TCGA-13-1489-01A-01W-0549-09	OV	395c1d93-7216-4c9d-bfad-26ff95fb8afe
TCGA-13-1491-01A-01W-0549-09	OV	fb7d1c2b-3e87-4d05-a58b-92d0e1016986
TCGA-13-1497-01A-01W-0549-09	OV	04e814c6-ea28-4ade-bc8f-a618552943da
TCGA-13-1498-01A-01W-0549-09	OV	b00d9680-4099-43fe-87de-b3cc8b9e70c8
TCGA-13-1499-01A-01W-0549-09	OV	b4ce07b1-677e-4a9c-8f8e-2b7762487692
TCGA-13-1506-01A-01W-0549-09	OV	7534b542-88f8-445c-ae4a-9f44fb6798a8
TCGA-13-1507-01A-01W-0549-09	OV	5423db1a-5b59-4a5b-a676-00a54570b04a
TCGA-13-1509-01A-01W-0549-09	OV	4d3fab96-bc22-48d0-a3ef-1844ad894d0f
TCGA-23-1021-01B-01W-0488-09	OV	4f14d366-4750-471f-98a1-a01934365ee1
TCGA-23-1022-01A-02W-0488-09	OV	160a0e7d-315e-4de3-a7d4-928412fd909c
TCGA-23-1117-01A-02W-0488-09	OV	3a4b0c6a-1f43-437c-b715-fc50c1c0303d
TCGA-23-1118-01A-01W-0488-09	OV	00c41845-6b48-40fa-82e9-1b436e7d91c3
TCGA-23-1123-01A-01W-0488-09	OV	22cfe2c8-5e1f-4b64-854d-2a7a02bf10fe
TCGA-23-1124-01A-01W-0488-09	OV	8a4061a0-77f2-4bb4-a3da-9b3d9f0314b9
TCGA-24-0966-01A-01W-0977-09	OV	dc069342-661a-4012-9bda-0c67469e117d
TCGA-24-0980-01A-01W-0421-09	OV	87d32a92-a8d2-4656-a100-798328338486
TCGA-24-0982-01A-01W-0488-09	OV	7667c0e6-e44a-448f-b118-6e2171a99b6c
TCGA-24-1103-01A-01W-0488-09	OV	47b7427c-a91a-4872-bc08-50c07ba60512
TCGA-24-1104-01A-01W-0488-09	OV	9cdb7821-fe43-46cd-94f3-b9d68b9ce21f
TCGA-24-1413-01A-01W-0494-09	OV	1b2d2cde-4553-472e-82f1-8224745ac1eb
TCGA-24-1416-01A-01W-0549-09	OV	21f5e805-c0b4-487b-9ccd-02963e2369ff
TCGA-24-1417-01A-01W-0549-09	OV	f6f43d04-a9e3-48c8-a276-3bebc4f16d7
TCGA-24-1418-01A-01W-0549-09	OV	6093bc5-4889-4cb9-9b01-e4e4278e72aa
TCGA-24-1424-01A-01W-0549-09	OV	2849f3e8-85d8-4d42-953b-3190b0ca98fc
TCGA-24-1425-01A-02W-0553-09	OV	f8d4c37d-5b4d-4f5a-8022-7da2b32cc1b0
TCGA-24-1426-01A-01W-0549-09	OV	063f8696-2c9d-4af4-a863-df10c42a5ea8
TCGA-24-1427-01A-01W-0549-09	OV	6511d3d4-722c-4702-a644-29bb98e5e5c3
TCGA-24-1428-01A-01W-0549-09	OV	52866517-eddf-4d63-a121-a296d6b2d264
TCGA-24-1435-01A-01W-0549-09	OV	28d236f6-dddc-48c2-be30-b1568a4d6055
TCGA-24-1436-01A-01W-0549-09	OV	adef0f5-d2a3-41c5-a509-298f702266bb
TCGA-24-1463-01A-01W-0549-09	OV	c01ca9e7-ee9b-4698-8e4d-920ad7bfb5e5f
TCGA-24-1464-01A-01W-0549-09	OV	01ec3cbb-c68a-4874-b396-f5e34876e04a
TCGA-24-1469-01A-01W-0553-09	OV	990c4b9d-608d-4b85-959c-5cc12f4e10fc
TCGA-24-1470-01A-01W-0553-09	OV	1d2bf111-910b-4ce9-8638-ab992b414e65
TCGA-24-1549-01A-01W-0553-09	OV	b2e252bd-895f-4b28-9367-dd527331010f
TCGA-24-1562-01A-01W-0553-09	OV	5e49bcea-9c1d-4cfd-a64c-4b84859bdda5

TCGA-24-1563-01A-01W-0553-09	OV	b6c46b53-f94d-4936-9005-518c8f1c1449
TCGA-24-1616-01A-01W-0553-09	OV	c464b2f6-9cfe-463a-b5e3-9a76cd4480c5
TCGA-25-1315-01A-01W-0494-09	OV	52f45b5e-af86-454c-be63-a56c6c21b730
TCGA-25-1316-01A-01W-0494-09	OV	d75a0b16-04e4-4ba3-a695-132c5ace698b
TCGA-25-1322-01A-01W-0494-09	OV	626f1798-fb15-4b01-8d8f-db19777d72e9
TCGA-AF-3913-01A-02W-1073-09	READ	4ebe7cf9-ce4f-485d-9332-ea9b536e38e2
TCGA-AG-3887-01A-01W-1073-09	READ	6d2de0f5-e812-4d3f-903b-7febdcfd2f7
TCGA-AG-3890-01A-01W-1073-09	READ	042e984f-c106-4b23-9908-5abaf407e694
TCGA-AG-3892-01A-01W-1073-09	READ	26acdae6-b01a-4dbd-b0b8-f6d97fe01808
TCGA-AG-3893-01A-01W-1073-09	READ	0faa6d28-c01c-4847-9552-912733485610
TCGA-AG-3894-01A-01W-1073-09	READ	e508d0c8-cdaf-463f-bb03-47af1bc41866
TCGA-AG-3896-01A-01W-1073-09	READ	22c7d09a-e69b-44be-8d8e-0a0cc9adf57c
TCGA-AG-3898-01A-01W-1073-09	READ	cc3516ba-2941-4efa-80fc-7b5041194d52
TCGA-AG-3901-01A-01W-1073-09	READ	84859471-1136-4f42-ab75-b27a4ef27199
TCGA-AG-3902-01A-01W-1073-09	READ	b679f02d-f48d-49eb-b245-65f341e4c181
TCGA-AG-3909-01A-01W-1073-09	READ	f5ece3cf-39eb-4277-8975-986e548bc1ea
TCGA-AG-3999-01A-01W-1073-09	READ	0445426d-b9c0-4ce5-b1cc-cb236d4381cf
TCGA-AG-4001-01A-02W-1073-09	READ	55075176-07a4-4183-9f8f-9f472b15a6b4
TCGA-AG-4005-01A-01W-1073-09	READ	be1d3bda-de1a-4768-a2e4-22c07326ddc3
TCGA-AG-4007-01A-01W-1073-09	READ	6fcfdc8f-22c0-4c3a-9e46-58c0a68e818e
TCGA-AG-4008-01A-01W-1073-09	READ	83cd3c15-8eab-4d46-b9a2-36ee719f6774
TCGA-AG-4015-01A-01W-1073-09	READ	cf6f8e0f-04bf-4a0d-933e-8034ba6c1607
TCGA-AG-A008-01A-01W-A005-10	READ	2221cfc4-b324-4329-ad37-3dd9a5adf36e
TCGA-AG-A00C-01A-01W-A005-10	READ	1a4f95be-32d3-4202-a0e7-507181b3fb86
TCGA-AG-A00H-01A-01W-A00E-09	READ	fdc4c8ac-fee2-4801-ae94-94c5d8058a9f
TCGA-AG-A00Y-01A-02W-A005-10	READ	b50ae1df-ee6f-4a5e-ba4b-c962d740ab22
TCGA-AG-A011-01A	READ	b5dd8f49-26fc-48d9-a964-d8ebdcca9e19
TCGA-AG-A014-01A	READ	fbfa61fe-4fb7-4b2a-9bf0-33140fd41873
TCGA-AG-A015-01A-01W-A005-10	READ	abb751f0-c4df-4556-ac9b-ad1e1971cccf
TCGA-AG-A016-01A-01W-A005-10	READ	f20ae301-b10b-4dfa-9169-04bc6c3d103a
TCGA-AG-A01L-01A	READ	b034c90b-d0bd-466a-88ba-b61efd36c6e4
TCGA-AG-A025-01A-01W-A00E-09	READ	7b5a3c33-cd13-4e4d-a1f8-3405dab5998f
TCGA-AG-A02G-01A-01W-A00E-09	READ	954527dc-8a7d-474d-b580-82199e86cb5a
TCGA-AG-A02X-01A-01W-A00E-09	READ	9ffb8919-a98c-40bd-bdad-146b1ccc14ef
TCGA-AG-A032-01A-01W-A00E-09	READ	7522eb6b-797a-4964-8aca-6d70590b5f9f

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