lncAR: a comprehensive resource for lncRNAs from Cancer Arrays

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SUPPLEMENTARY METHODS

Integration of lncRNA annotations

All of the gene annotations from the Ensembl project and RefSeq database were combined using the Cuffcompare program in the Cufflinks suite (1-3). We obtained lncRNAs and protein-coding genes according to the following protocol steps (**Supplementary Fig. S3**). First, we merged the fully matched (class code "=") or contained transcripts (class code "c"). Second, the gene-transcript mapping files in different databases were downloaded from the Ensembl and Refseq database to correct and supplement the results, respectively. Third, the transcripts were divided into protein-coding and non-coding transcripts according to the "Transcript biotype". Fourth, small RNA and pseudogene transcripts were filtered out. Only transcripts longer than 200nt were retained as candidate lncRNA transcripts. We then predicted the coding ability of the lncRNA transcripts with the CPAT (4) and CNCI (5) programs and removed those transcripts which both predicted as protein-coding. Finally, the protein-coding and lncRNA transcripts were separately combined according to their gene names and genomic coordinates.

Probe re-annotation

The following steps were taken to re-annotate the probe sequences (**Supplementary Fig. S3**). First, all of the probe sequences from the different platforms were aligned to the human genome (GRCh38) using a BLAST-like alignment tool (BLAT) (6). Only the alignments with no more than one mismatch, no gaps and a similarity score larger than 90 were preserved. In general, the probes (50 to 60 nucleotides) from Agilent, Illumina and other companies were designed to locate target genes or transcripts. The microarrays from Affymetrix utilized a probe set containing a group of 25mer probes to represent a gene or transcript. Thus, for the Affymetrix data we combined probes that specifically corresponded to the same probe set and ensured there were at least 3 perfectly matching and adjacent probes in each probe set. Second, we mapped the probes to coding genes or lncRNAs according to their genomic coordinates. If any probes were targeted to both coding genes and lncRNAs, we only preserved the annotation of the coding genes.

Differential expression analysis

We categorized differential expression with one of the following conditions: cancer versus normal controls, high stage versus low stage, high grade versus low grade, metastasis versus primary, drug-treatment versus control, and "other features". Other features referred to certain caner-specific features, such as estrogen receptor, progesterone receptor and *HER2* status in breast cancer as well as the smoking and drinking status in lung cancer and esophageal cancer. The differential expression analysis under each condition was performed with the Limma

package (7). We utilized a robust rank aggregation algorithm to integrate the lncRNA profiles in an unbiased manner (8). The aggregation rank score (AR score) represents the integrated rank from the meta-analysis of the fold-change in the different microarray studies. All results were scaled by cancer subtype and presented in the heatmaps, allowing users to explore the expression of lncRNAs of interest in the different conditions.

Survival analysis

All of the data we collected contained four types of survival data: overall survival, relapse-free survival, metastasis-free survival and progression-free survival. For each study with survival information, we accessed the associations between lncRNA expression and survival via a univariate Cox regression analysis (R 'survival' package v. 3.4) (9). Specifically, genes with hazard ratios >1 and a p value <0.05 were considered as poorly prognostic lncRNAs, whereas genes with hazard ratios of 0-1 and a p value < 0.05 were lncRNAs with good prognosis value. To check the prognostic landscape of lncRNAs in each cancer type, and to reduce the differences between the different studies, we utilized the Z scores in the Cox regression to perform a meta-analysis. Z scores were directly associated with P values, and were independent of different follow-up time scales and the range of input variables, allowing a direct comparison across multiple studies and platforms. We calculated the prognostic meta Z scores of lncRNAs in each cancer type by using Lipták's weighted meta Z test, in which weights refer to the square roots of the sample sizes (10,11). lncRNAs with positive meta Z scores indicated poor prognosis value in most studies; otherwise they were a bad prognosis. The results were shown in heatmaps in order to facilitate comparative analysis.

Advanced annotations and other analysis

Advanced annotations contained the transcript information, structure, coding potential and conservative score. Briefly, all transcript information was extracted from NCBI and Ensembl, and the transcript structure was predicted by RNAfold (12). CPAT and CNCI were used to assess the coding potential of the transcripts. The conservative scores of the transcripts were calculated from Phastcon100 (13). In addition, cancer-related lncRNAs validated by low-throughput experiments were manually collected from Lnc2Cancer, LncRNADisease, EVLncRNAs and MNDR v2.0. These data were integrated into lnCAR as validation datasets.

Moreover, our database also included co-expression analysis, pathway enrichment analysis and ceRNA analysis modules to help researchers further explore the function of lncRNAs of interest. To determine the co-expression patterns of each lncRNA and protein-coding genes in a study, we calculated pairwise expression correlations across all of the protein-coding genes. The first 200 lncRNA-coding gene pairs with strong correlations (correlation coefficient |r|> 0.3) were selected to represent the co-expression network. Users are able to further determine

the potential function of such lncRNA through the pathway enrichment analysis of co-expressed protein-coding genes. In addition, we obtained the lncRNA-miRNA and miRNA-coding gene interaction pairs from starBase2 and constructed a ceRNA interaction network based on the lncRNAs and protein-coding genes having positive expression correlations (14).

Determination of cancer subtypes by lncRNA expression

Initially, to normalize the cross-platform datasets, some filters were employed on each dataset: i) lncRNAs shared by 2-3 platforms with the largest samples were selected as the standard and other expression platforms were merged subsequently. ii) For each study, batch effects were minimized using the Combat function (15). iii) MergeMaid was applied to remove lncRNAs of low reliability across platforms and the preserved data was scaled by mean centering on genes and samples, respectively (16). iv) 500 lncRNAs with the highest expression median difference were screened for the clustering process. Secondly, we exploited the Consensus Clustering method to classify the cancer subtypes based on lncRNA expression (17). The number of clusters in each cancer was determined by the relative change in area under the CDF curve (the delta area < 0.05). Then the differentially expressed lncRNAs in each cluster were identified using a moderated F-test, and these lncRNAs were merged for the next iteration. The iteration stopped when the lncRNAs were unchanged from the previous run. The resulting lncRNAs were regarded as the gene signatures for each cancer subtype.

Web interface implementation

In order to visualize the analysis results, multiple statistical diagrams were embedded in the web server. For example, the heatmaps were constructed by DataTables, the secondary structures of transcripts were shown using FornaContainer (18), the expression network were presented by Highcharts, the boxplot together with the bubble chart were demonstrated by Echarts, and the circos plots were displayed though BioCircos.js (19). Furthermore, all of the analyses in the lnCAR website were performed in R.

In addition, we allowed the genomic coordinates of the regions of interest as an input to search the expression and prognosis of any user-defined lncRNA. For each cancer, we filtered probes that targeted protein-coding transcripts in each platform and merged all the remaining probes as a candidate lncRNA library. Then the regions summited by users were transformed into “bed” format and intersected with the candidate lncRNA probes by applying the BEDTools’ intersectBed (v. 2.26.0) (20). The differential expression analysis and survival analysis of each targeted probes were presented in the result pages.

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SUPPLEMENTARY FIGURES

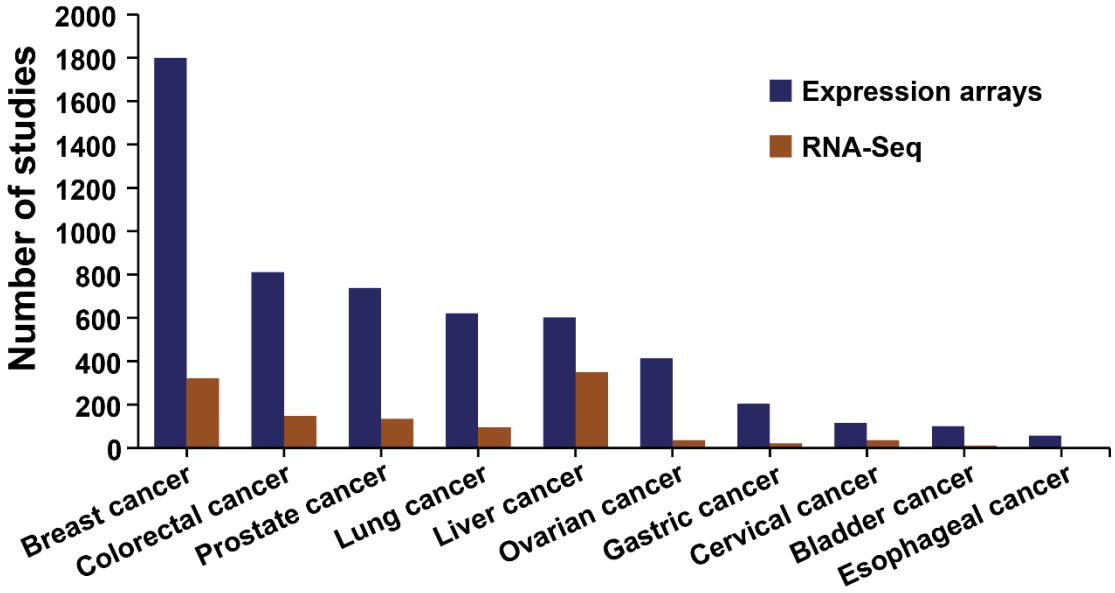

Fig. S1 – Comparison of the number of published gene expression datasets and RNA-Seq datasets from GEO database in cancer . All the datasets in GEO database were limited to human studies published before September 2017.

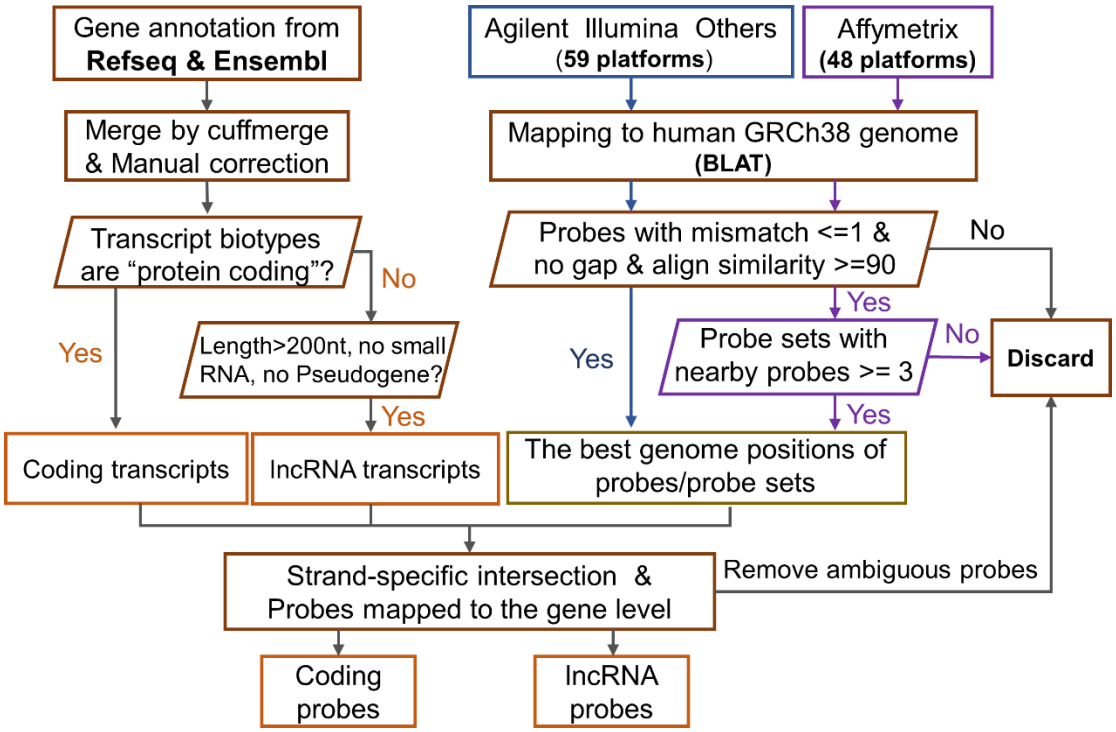

Fig. S2 - Computational pipeline for re-annotation of microarray probes

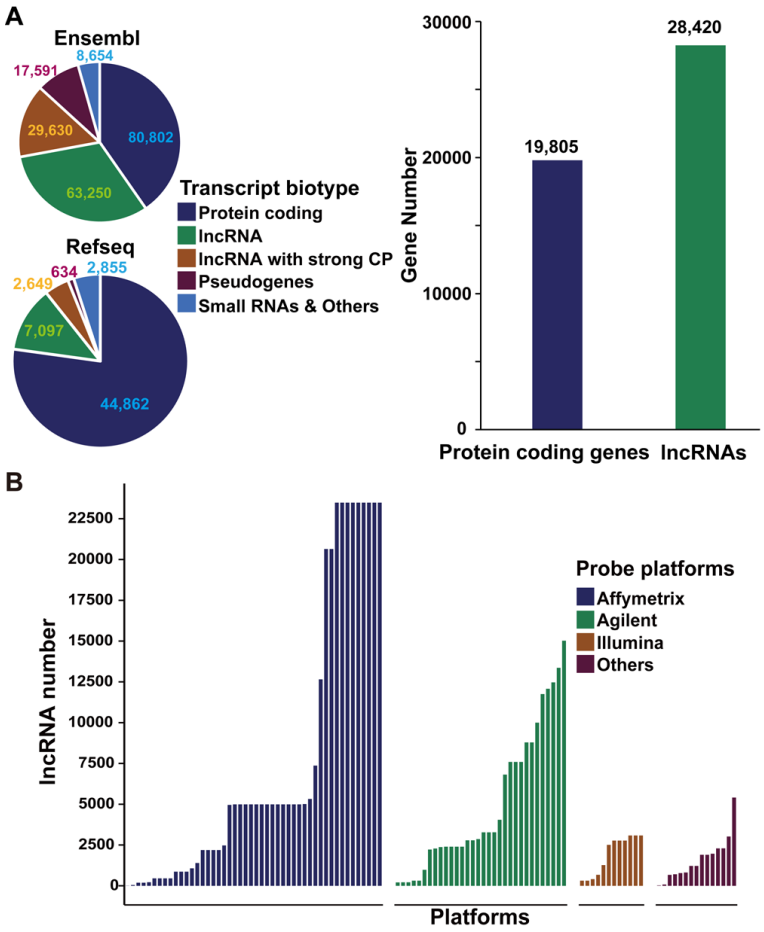

Fig. S3 - Re-annotation of the array probes. (A) The percentage of the transcript type distribution in protein-coding gene, lncRNA, psedogenes, small RNAs and others for the transcripts from the Ensembl and RefSeq annotations (left panel), and the number of protein coding genes and lncRNAs in Ensembl and RefSeq annotations (right panel). (B) The number of lncRNAs probes reannotated from different array platforms including Affymetrix, Agilent and Illimina.

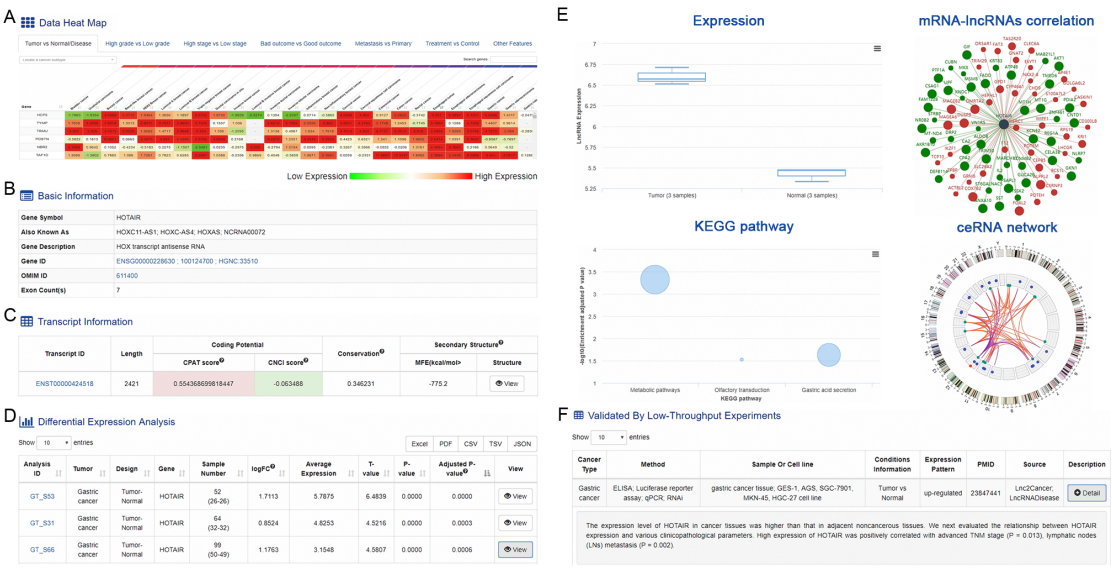

Fig. S4 - A snapshot of the example for differential expression analysis in lnCAR. (A) The lncRNA expression characteristics in different cancer subtypes under the same conditions. Red cells indicate increased expression while green cells indicate decreased expression. (B) The basic information on lncRNA gene. (C) The information on the lncRNA transcripts, including the coding potential, degree of conservation and secondary structure. (D-E) The expression of lnRNA in different studies of gastric cancer compared to normal tissues. Click the "view" button to get the expression pattern of lncRNAs in different tissues, the related coding genes, the potential biological pathways and related ceRNA network. (F) The validated results in the low-throughput experiments.

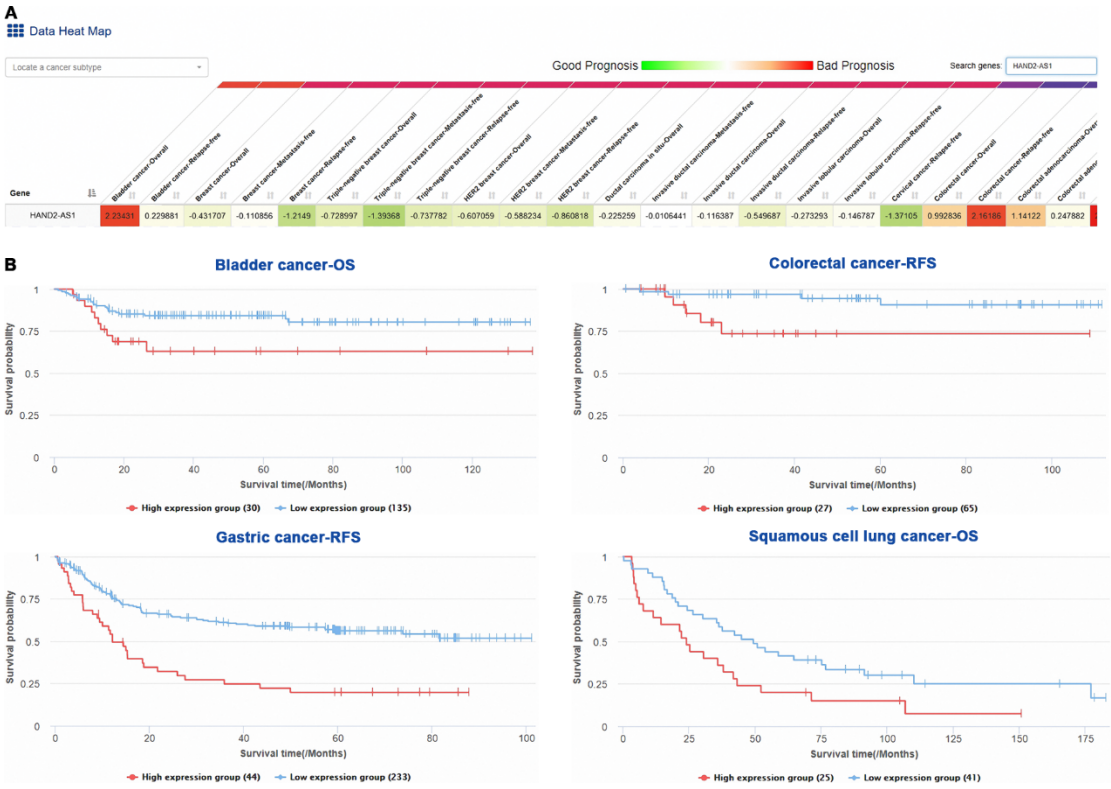

Fig. S5 - A snapshot of the example for survival analysis in lnCAR. (A) The prognostic impact of *HAND2-AS1* in different cancer subtypes was shown in heatmap. (B) Survival curves of *HAND2-AS1* in bladder cancer, colorectal cancer, gastric cancer and squamous cell lung cancer indicate a poor prognosis. OS represents over-all survival, while the RFS means relapse-free survival.

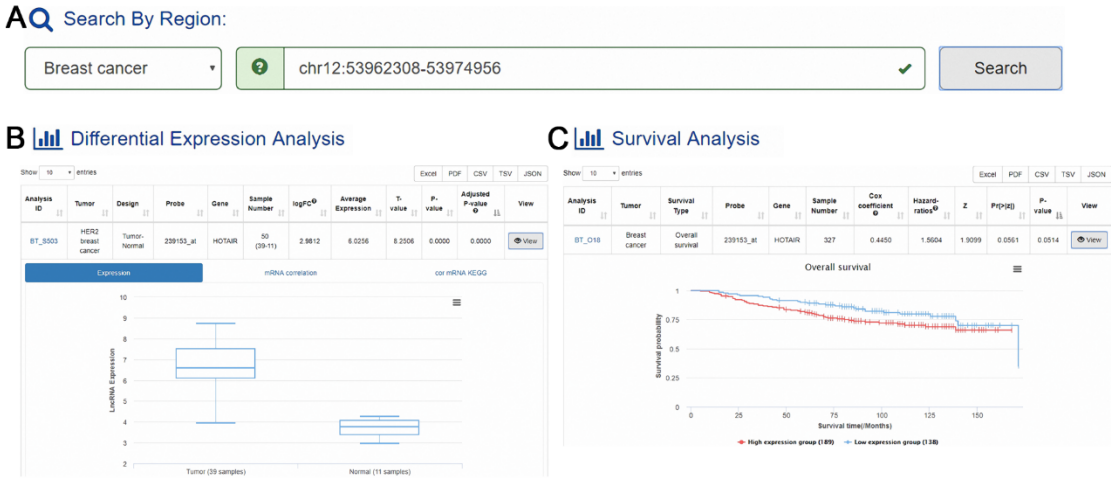

Fig. S6 - A schematic workflow of My-lncRNA interface. (A) Search by chromosome regions of interest. Take "chr12:53962308-53974956" as an example. (B) Results of target probes by

differential expression analysis in different studies. (C) Prognostic impact of target probes by survival analysis.

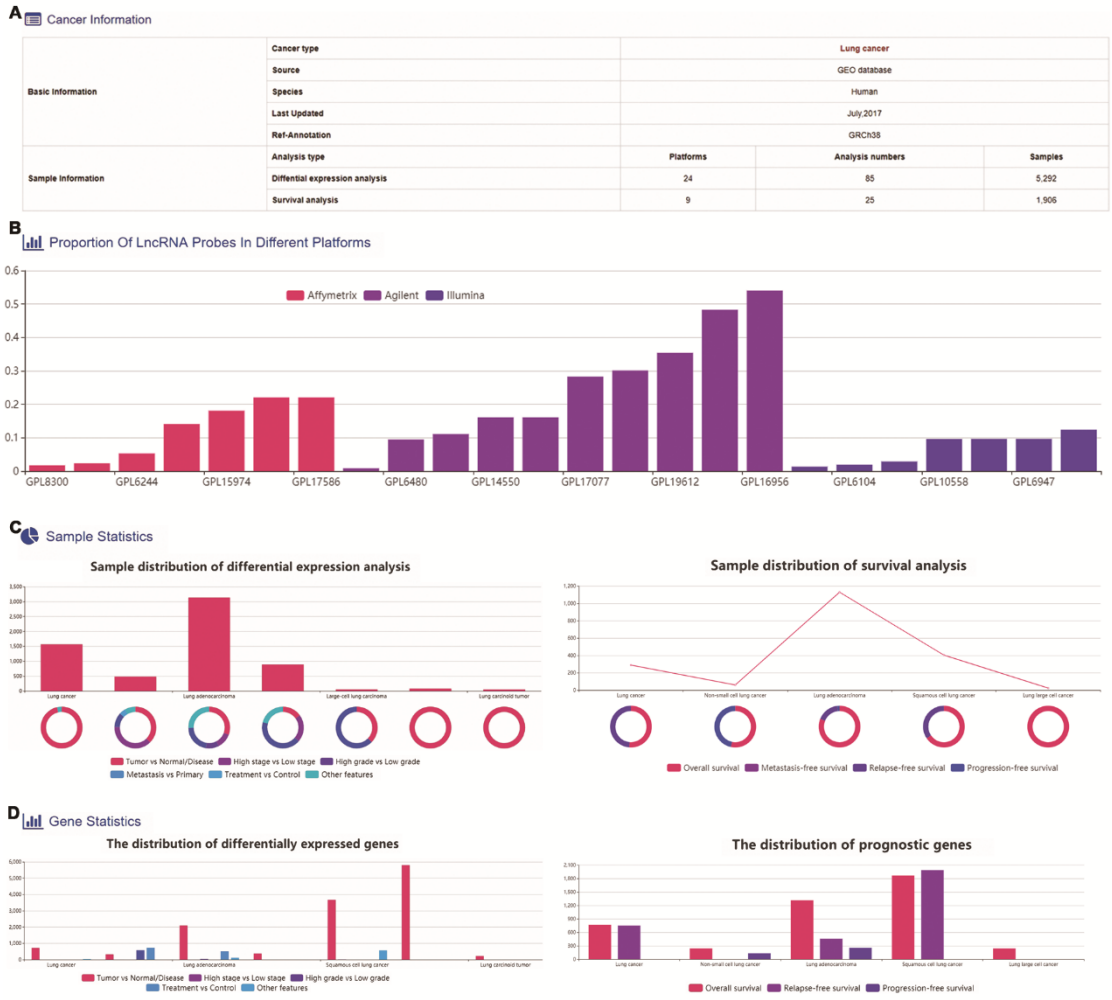

Fig. S7 - A snapshot of the browse interface. Take Lung cancer as an example. (A) Summary information of the cancer. (B) The proportion of lncRNA probes in different platforms. (C) The sample distribution of differential expression analysis and survival analysis. (D) The distribution of differentially expressed genes and prognostic genes.

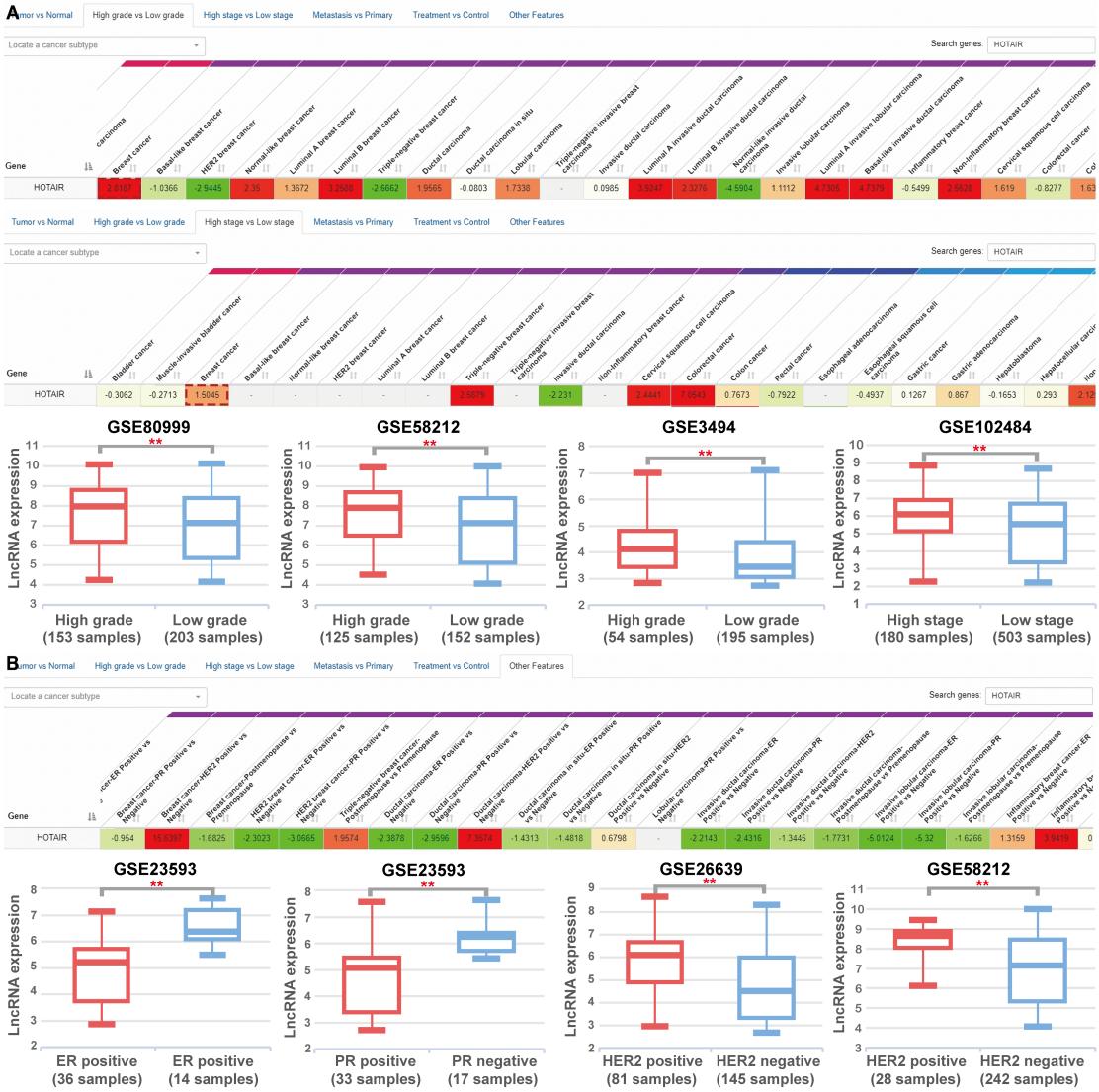

Fig S8 – Differential expression of lncRNA *HOTAIR* between different breast cancer clinical factors. (A) Increased *HOTAIR* expression is related to advanced tumor stage and higher tumor grade (B) *HOTAIR* appears to be overexpressed in ER-negative, PR-negative and HER2-positive patients.

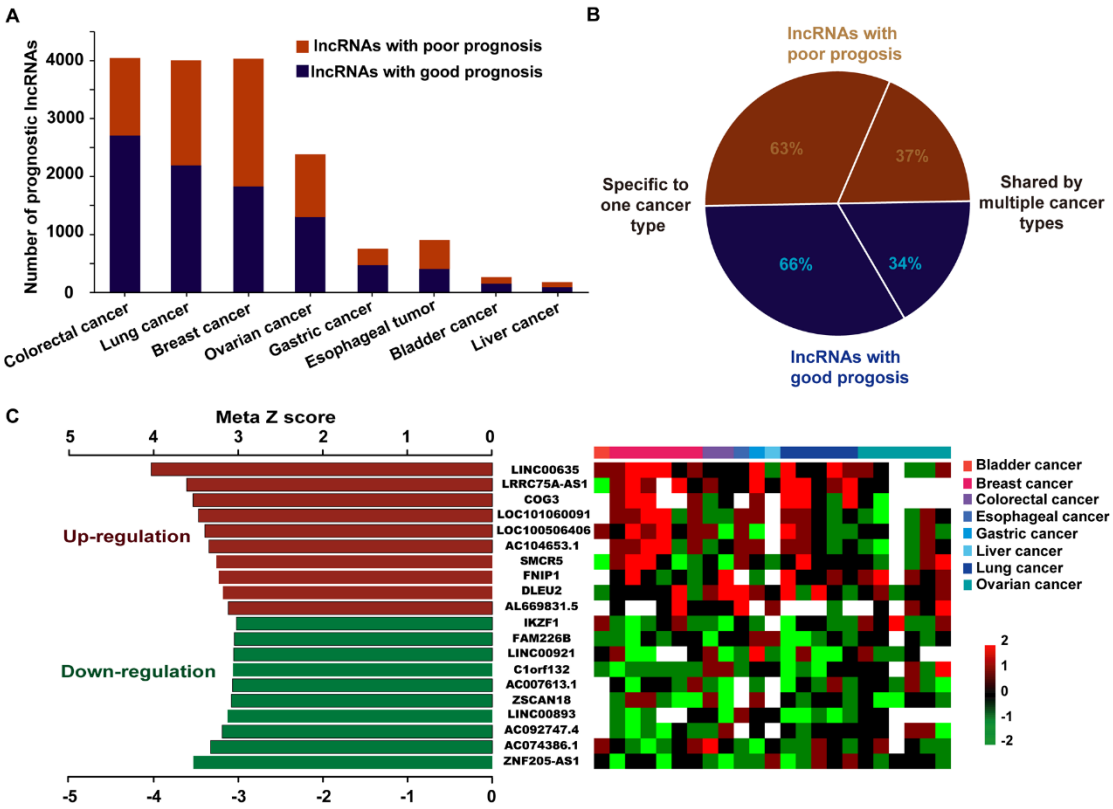

Fig. S9 - A large number of lncRNAs with potential clinical significance in various cancer types. (A) Bar plot showing the number of prognostic lncRNAs in different cancer types. (B) The proportion of prognostic lncRNAs specific to one cancer type and shared by multiple cancer types for poor prognosis and good prognosis. (C) The top 10 lncRNAs that were significantly associated with poor prognosis or good prognosis. Left panel is showing the Meta Z score of the *P* values from the survival analysis of different datasets of different cancer types. Right panel is showing the *P* values from the survival analysis of different datasets.

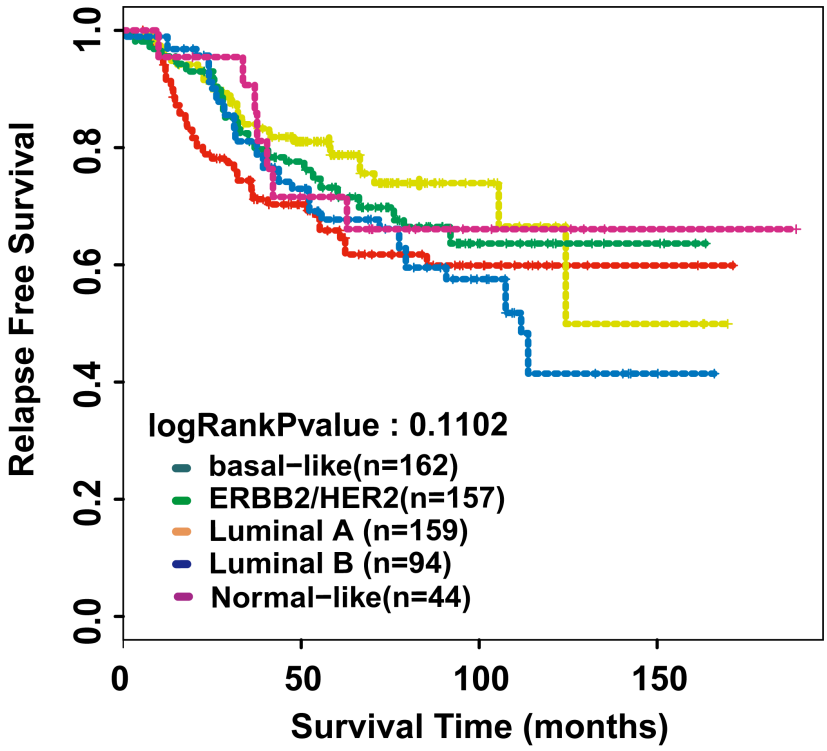

Fig. S10 Relapse-free survival curves for four groups defined by known molecular subtypes of breast cancer

Table S1 Search keywords for different cancer types

Cancer	Search keywords
Bladder cancer	(bladder cancer) OR (urothelial carcinoma of the bladder) OR (transitional cell carcinoma of urinary bladder) OR (Squamous cell carcinoma of urinary bladder) OR (adenocarcinoma of urinary bladder) OR (Small-cell carcinoma of urinary bladder) OR (bladder sarcoma)
Breast cancer	(breast cancer) OR (breast carcinoma) OR (breast ductal carcinoma)
Cervical cancer	(Uterine cancer) OR (cervical cancer) OR (endometrial carcinoma) OR (endometrial stromal sarcoma) OR (Squamous Cell Carcinoma of the Cervix) OR (Cervical Adenocarcinoma) OR (adenosquamous carcinoma of the cervix) OR (Small cell cervical cancer) OR (Small cell neuroendocrine cervical carcinoma) OR (Glass cell carcinoma of the cervix) OR (Villoglandular adenocarcinoma of the cervix)
Colorectal cancer	(rectum cancer) OR (rectal carcinoma) OR (carcinoma of rectum) OR (rectal cancer)OR (colon cancer) OR (colorectal cancer) OR (colorectal carcinoma) OR (carcinoma of colon)
Esophagus cancer	(esophageal cancer) OR (esophageal adenocarcinoma) OR (esophageal squamous cell carcinoma)
Gastric cancer	(gastric cancer) OR (Stomach cancer) OR (gastric adenocarcinoma) OR (gastrointestinal stromal tumor)
Liver cancer	(Hepatocellular carcinoma) OR (Liver cancer) OR (hepatic cancer) OR (intrahepatic cholangiocarcinom) OR (Hepatoblastoma) OR (hepatome)
Lung cancer	(lung carcinoma) OR (small-cell lung carcinoma) OR (non-small-cell lung carcinoma) OR (Lung cancer) OR (lung Adenocarcinoma) OR (lung tumor) OR (lung squamous cell carcinoma)
ovarian cancer	(ovarian cancer) OR (ovarian carcinoma) OR (ovarian epithelial carcinoma) OR (Malignant mixed müllerian tumor) OR (Mucinous tumors) OR (ovarian epithelial carcinoma) OR (Serous ovarian carcinoma) OR (Clear-cell ovarian carcinomas) OR (Clear-cell ovarian adenocarcinomas) OR (ovarian squamous cell carcinomas) OR (ovarian borderline tumor)
prostate cancer	(prostate cancer) OR (prostate carcinoma)

Table S2 Clustering datasets with known cancer subtypes of colorectal cancer, bladder cancer and breast cancer

Cancer	GSM	Known Subtype	lncRNA-expression Subtype	RFS Status	Time(Days)
Colorectal Cancer	GSM1949449	MSS	Subtype 1		
Colorectal Cancer	GSM1949452	MSS	Subtype 1		
Colorectal Cancer	GSM1949453	MSS	Subtype 1		
Colorectal Cancer	GSM1949454	MSS	Subtype 1		
Colorectal Cancer	GSM1949463	MSS	Subtype 1		
Colorectal Cancer	GSM1949465	MSS	Subtype 1		
Colorectal Cancer	GSM1949466	MSS	Subtype 1		
Colorectal Cancer	GSM1949469	MSS	Subtype 1		
Colorectal Cancer	GSM1949470	MSS	Subtype 1		
Colorectal Cancer	GSM1949472	MSS	Subtype 1		
Colorectal Cancer	GSM1949473	MSS	Subtype 1		
Colorectal Cancer	GSM1949474	MSS	Subtype 1		
Colorectal Cancer	GSM1949475	MSS	Subtype 1		
Colorectal Cancer	GSM1949476	MSS	Subtype 1		
Colorectal Cancer	GSM1949488	MSS	Subtype 1		
Colorectal Cancer	GSM1949490	MSS	Subtype 1		
Colorectal Cancer	GSM1949491	MSS	Subtype 1		
Colorectal Cancer	GSM1949495	MSS	Subtype 1		
Colorectal Cancer	GSM1949496	MSS	Subtype 1		
Colorectal Cancer	GSM1949498	MSS	Subtype 1		
Colorectal Cancer	GSM1949499	MSS	Subtype 1		
Colorectal Cancer	GSM1949501	MSS	Subtype 1		
Colorectal Cancer	GSM1949502	MSS	Subtype 1		
Colorectal Cancer	GSM1949503	MSS	Subtype 1		
Colorectal Cancer	GSM1949504	MSS	Subtype 1		
Colorectal Cancer	GSM1949505	MSS	Subtype 1		
Colorectal Cancer	GSM1949506	MSS	Subtype 1		
Colorectal Cancer	GSM1949507	MSS	Subtype 1		
Colorectal Cancer	GSM4532155	MSS	Subtype 1		
Colorectal Cancer	GSM4532156	MSS	Subtype 1		
Colorectal Cancer	GSM4532161	MSS	Subtype 1		
Colorectal Cancer	GSM4532164	MSS	Subtype 1		
Colorectal Cancer	GSM4532171	MSS	Subtype 1		
Colorectal Cancer	GSM4532172	MSS	Subtype 1		
Colorectal Cancer	GSM4532176	MSS	Subtype 1		
Colorectal Cancer	GSM4532181	MSS	Subtype 1		
Colorectal Cancer	GSM4532185	MSS	Subtype 1		
Colorectal Cancer	GSM4532186	MSS	Subtype 1		
Colorectal Cancer	GSM4532190	MSS	Subtype 1		
Colorectal Cancer	GSM4532191	MSS	Subtype 1		
Colorectal Cancer	GSM4532192	MSS	Subtype 1		
Colorectal Cancer	GSM4532193	MSS	Subtype 1		
Colorectal Cancer	GSM4532196	MSS	Subtype 1		
Colorectal Cancer	GSM4532198	MSS	Subtype 1		
Colorectal Cancer	GSM4532199	MSS	Subtype 1		
Colorectal Cancer	GSM4532200	MSI	Subtype 1		
Colorectal Cancer	GSM335511	MSI	Subtype 1		
Colorectal Cancer	GSM335512	MSS	Subtype 1		
Colorectal Cancer	GSM335513	MSS	Subtype 1		
Colorectal Cancer	GSM335514	MSS	Subtype 1		
Colorectal Cancer	GSM335516	MSS	Subtype 1		
Colorectal Cancer	GSM335517	MSS	Subtype 1		
Colorectal Cancer	GSM335519	MSI	Subtype 1		
Colorectal Cancer	GSM335521	MSS	Subtype 1		
Colorectal Cancer	GSM335522	MSS	Subtype 1		
Colorectal Cancer	GSM335526	MSS	Subtype 1		
Colorectal Cancer	GSM335527	MSI	Subtype 1		
Colorectal Cancer	GSM335528	MSS	Subtype 1		
Colorectal Cancer	GSM335529	MSI	Subtype 1		
Colorectal Cancer	GSM335530	MSI	Subtype 1		
Colorectal Cancer	GSM335533	MSS	Subtype 1		
Colorectal Cancer	GSM335535	MSS	Subtype 1		
Colorectal Cancer	GSM335536	MSS	Subtype 1		
Colorectal Cancer	GSM335541	MSI	Subtype 1		
Colorectal Cancer	GSM335543	MSI	Subtype 1		
Colorectal Cancer	GSM335545	MSI	Subtype 1		
Colorectal Cancer	GSM335547	MSS	Subtype 1		
Colorectal Cancer	GSM335548	MSS	Subtype 1		
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Colorectal Cancer	GSM335553	MSS	Subtype 1		
Colorectal Cancer	GSM335556	MSS	Subtype 1		
Colorectal Cancer	GSM335557	MSS	Subtype 1		
Colorectal Cancer	GSM335558	MSS	Subtype 1		
Colorectal Cancer	GSM335561	MSS	Subtype 1		
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Colorectal Cancer	GSM335573	MSI	Subtype 1		
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Colorectal Cancer	GSM335611	MSS	Subtype 1		
Colorectal Cancer	GSM335612	MSS	Subtype 1		
Colorectal Cancer	GSM335613	MSS	Subtype 1		
Colorectal Cancer	GSM335615	MSS	Subtype 1		
Colorectal Cancer	GSM335617	MSS	Subtype 1		
Colorectal Cancer	GSM335636	MSI	Subtype 1		
Colorectal Cancer	GSM335637	MSI	Subtype 1		
Colorectal Cancer	GSM335648	MSI	Subtype 1		
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Colorectal Cancer	GSM327286	MSS	Subtype 1		
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Colorectal Cancer	GSM327312	MSS	Subtype 1		
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Colorectal Cancer	GSM327315	MSS	Subtype 1		
Colorectal Cancer	GSM327317	MSS	Subtype 1		
Colorectal Cancer	GSM327318	MSS	Subtype 1		
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Colorectal Cancer	GSM327332	MSS	Subtype 1		
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Colorectal Cancer	GSM327336	MSS	Subtype 1		
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Colorectal Cancer	GSM327338	MSS	Subtype 1		
Colorectal Cancer	GSM327339	MSS	Subtype 1		
Colorectal Cancer	GSM327340	MSS	Subtype 1		
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Bladder Cancer	GSM2470370	Basal	Subtype 2		
Bladder Cancer	GSM2470371	Claudin	Subtype 2		
Bladder Cancer	GSM2470373	Basal	Subtype 2		
Bladder Cancer	GSM2470374	Basal	Subtype 2		
Bladder Cancer	GSM2470383	Basal	Subtype 2		
Bladder Cancer	GSM2470386	Claudin	Subtype 2		
Bladder Cancer	GSM2470389	Basal	Subtype 2		
Bladder Cancer	GSM2470390	Basal	Subtype 2		
Bladder Cancer	GSM2470393	Claudin	Subtype 2		
Bladder Cancer	GSM2470397	Basal	Subtype 2		
Bladder Cancer	GSM2470398	Basal	Subtype 2		
Bladder Cancer	GSM2470400	Basal	Subtype 2		
Bladder Cancer	GSM2470404	Claudin	Subtype 2		
Bladder Cancer	GSM2470405	Basal	Subtype 2		
Bladder Cancer	GSM2470411	Claudin	Subtype 2		
Bladder Cancer	GSM2470415	Basal	Subtype 2		
Bladder Cancer	GSM2470419	Claudin	Subtype 2		
Bladder Cancer	GSM2470420	Basal	Subtype 2		
Bladder Cancer	GSM2470421	Basal	Subtype 2		
Bladder Cancer	GSM2470425	Basal	Subtype 2		
Bladder Cancer	GSM2470426	Basal	Subtype 2		
Bladder Cancer	GSM2470427	Claudin	Subtype 2		
Bladder Cancer	GSM2470429	Claudin	Subtype 2		
Bladder Cancer	GSM2470433	Basal	Subtype 2		
Bladder Cancer	GSM2470435	Claudin	Subtype 2		
Bladder Cancer	GSM2470437	Basal	Subtype 2		
Bladder Cancer	GSM2470438	Claudin	Subtype 2		
Bladder Cancer	GSM2470439	Basal	Subtype 2		
Bladder Cancer	GSM2470447	Claudin	Subtype 2		
Bladder Cancer	GSM2470451	Claudin	Subtype 2		
Bladder Cancer	GSM2470452	Claudin	Subtype 2		
Bladder Cancer	GSM2470453	Claudin	Subtype 2		
Bladder Cancer	GSM2470454	Basal	Subtype 2		
Bladder Cancer	GSM2470458	Claudin	Subtype 2		
Bladder Cancer	GSM2470462	Basal	Subtype 2		
Bladder Cancer	GSM2470464	Luminal	Subtype 2		
Bladder Cancer	GSM2470468	Claudin	Subtype 2		
Bladder Cancer	GSM2470469	Basal	Subtype 2		
Bladder Cancer	GSM2470470	Basal	Subtype 2		
Bladder Cancer	GSM2470472	Claudin	Subtype 2		
Bladder Cancer	GSM2470473	Claudin	Subtype 2		
Bladder Cancer	GSM2470474	Claudin	Subtype 2		
Bladder Cancer	GSM2470477	Claudin	Subtype 2		
Bladder Cancer	GSM2470478	Claudin	Subtype 2		
Bladder Cancer	GSM2470481	Claudin	Subtype 2		
Bladder Cancer	GSM2470507	Basal	Subtype 2		
Bladder Cancer	GSM2470509	Basal	Subtype 2		
Bladder Cancer	GSM2470511	Claudin	Subtype 2		
Bladder Cancer	GSM2470512	Basal	Subtype 2		
Bladder Cancer	GSM2470514	Basal	Subtype 2		
Bladder Cancer	GSM2470515	Basal	Subtype 2		
Bladder Cancer	GSM2470516	Claudin	Subtype 2		
Bladder Cancer	GSM2470517	Claudin	Subtype 2		
Bladder Cancer	GSM2470518	Claudin	Subtype 2		
Bladder Cancer	GSM2470521	Basal	Subtype 2		
Bladder Cancer	GSM2470522	Basal	Subtype 2		
Bladder Cancer	GSM2470525	Basal	Subtype 2		
Bladder Cancer	GSM2470529	Claudin	Subtype 2		
Bladder Cancer	GSM2470530	Basal	Subtype 2		
Breast Cancer	GSM1176876	Normal-like	Subtype 2		
Breast Cancer	GSM1176881	Normal-like	Subtype 4		
Breast Cancer	GSM1176886	Normal-like	Subtype 4		
Breast Cancer	GSM1176887	Normal-like	Subtype 4		
Breast Cancer	GSM1176895	Normal-like	Subtype 2		
Breast Cancer	GSM1176898	Normal-like	Subtype 2		
Breast Cancer	GSM1176900	Normal-like	Subtype 2		
Breast Cancer	GSM1176910	Normal-like	Subtype 2		
Breast Cancer	GSM1176911	Normal-like	Subtype 2		
Breast Cancer	GSM1176913	Normal-like	Subtype 2		
Breast Cancer	GSM1176918	Normal-like	Subtype 2		
Breast Cancer	GSM1176944	Normal-like	Subtype 2		
Breast Cancer	GSM1176951	Normal-like	Subtype 2		
Breast Cancer	GSM781308	Normal-like	Subtype 2		
Breast Cancer	GSM781327	Normal-like	Subtype 2	1	297
Breast Cancer	GSM781329	Normal-like	Subtype 2	0	5672
Breast Cancer	GSM781355	Normal-like	Subtype 3	0	2074
Breast Cancer	GSM781368	Normal-like	Subtype 2	0	4057
Breast Cancer	GSM781369	Normal-like	Subtype 4	1	1262
Breast Cancer	GSM781371	Normal-like	Subtype 2	1	1109
Breast Cancer	GSM781372	Normal-like	Subtype 4	0	3773
Breast Cancer	GSM781373	Normal-like	Subtype 4	0	3882
Breast Cancer	GSM781398	Normal-like	Subtype 2	0	2758
Breast Cancer	GSM781401	Normal-like	Subtype 2	0	2093
Breast Cancer	GSM781422	Normal-like	Subtype 2	0	2411
Breast Cancer	GSM781431	Normal-like	Subtype 2	0	2102
Breast Cancer	GSM781432	Normal-like	Subtype 2	0	3104
Breast Cancer	GSM781449	Normal-like	Subtype 2	1	1886
Breast Cancer	GSM781456	Normal-like	Subtype 2	0	1490
Breast Cancer	GSM781458	Normal-like	Subtype 2	0	2863
Breast Cancer	GSM781466	Normal-like	Subtype 2	1	1213
Breast Cancer	GSM781473	Normal-like	Subtype 2	0	2463
Breast Cancer	GSM781477	Normal-like	Subtype 2	0	1751
Breast Cancer	GSM781502	Normal-like	Subtype 2	1	1129
Breast Cancer	GSM781505	Normal-like	Subtype 2	1	1009
Breast Cancer	GSM781512	Normal-like	Subtype 2	0	584
Breast Cancer	GSM781513	Normal-like	Subtype 2		
Breast Cancer	GSM781520	Normal-like	Subtype 2		
Breast Cancer	GSM781524	Normal-like	Subtype 2		
Breast Cancer	GSM781526	Normal-like	Subtype 2		
Breast Cancer	GSM540013	Normal-like	Subtype 2	1	297
Breast Cancer	GSM540015	Normal-like	Subtype 2	0	5672
Breast Cancer	GSM540141	Normal-like	Subtype 3	0	2074
Breast Cancer	GSM540154	Normal-like	Subtype 2	0	4057
Breast Cancer	GSM540155	Normal-like	Subtype 4	1	1262
Breast Cancer	GSM540157	Normal-like	Subtype 2	1	1109
Breast Cancer	GSM540158	Normal-like	Subtype 4	0	3773
Breast Cancer	GSM540159	Normal-like	Subtype 4	0	3882
Breast Cancer	GSM540184	Normal-like	Subtype 2	0	2758
Breast Cancer	GSM540187	Normal-like	Subtype 2	0	2093
Breast Cancer	GSM540208	Normal-like	Subtype 2	0	2411
Breast Cancer	GSM540217	Normal-like	Subtype 2	0	2102
Breast Cancer	GSM540218	Normal-like	Subtype 2	0	3104
Breast Cancer	GSM540235	Normal-like	Subtype 2	1	1886
Breast Cancer	GSM540242	Normal-like	Subtype 2	0	1490
Breast Cancer	GSM540244	Normal-like	Subtype 2	0	2863
Breast Cancer	GSM540252	Normal-like	Subtype 2	1	1213
Breast Cancer	GSM540259	Normal-like	Subtype 2	0	2463
Breast Cancer	GSM540263	Normal-like	Subtype 2	0	1751
Breast Cancer	GSM540290	Normal-like	Subtype 2	1	1129
Breast Cancer	GSM540293	Normal-like	Subtype 2	1	1009
Breast Cancer	GSM540300	Normal-like	Subtype 2	0	584
Breast Cancer	GSM540301	Normal-like	Subtype 2		
Breast Cancer	GSM540308	Normal-like	Subtype 2		
Breast Cancer	GSM540314	Normal-like	Subtype 2		
Breast Cancer	GSM1589093	Luminal B	Subtype 2		
Breast Cancer	GSM1589094	Luminal B	Subtype 4		
Breast Cancer	GSM1589095	Luminal B	Subtype 2		
Breast Cancer	GSM1589097	Luminal B	Subtype 4		
Breast Cancer	GSM1589098	Luminal B	Subtype 4		
Breast Cancer	GSM1589099	Luminal B	Subtype 2		
Breast Cancer	GSM1589101	Luminal B	Subtype 4		
Breast Cancer	GSM1589103	Luminal B	Subtype 4		
Breast Cancer	GSM1589105	Luminal B	Subtype 4		
Breast Cancer	GSM1589107	Luminal B	Subtype 2		
Breast Cancer	GSM1589109	Luminal B	Subtype 2		
Breast Cancer	GSM1589110	Luminal B	Subtype 2		
Breast Cancer	GSM1589111	Luminal B	Subtype 3		
Breast Cancer	GSM1589112	Luminal B	Subtype 4		
Breast Cancer	GSM1589113	Luminal B	Subtype 2		
Breast Cancer	GSM1589114	Luminal B	Subtype 2		
Breast Cancer	GSM1589115	Luminal B	Subtype 4		
Breast Cancer	GSM1589116	Luminal B	Subtype 4		
Breast Cancer	GSM1589117	Luminal B	Subtype 4		
Breast Cancer	GSM1589118	Luminal B	Subtype 2		
Breast Cancer	GSM1589119	Luminal B	Subtype 2		
Breast Cancer	GSM1589120	Luminal B	Subtype 4		
Breast Cancer	GSM1589121	Luminal B	Subtype 4		
Breast Cancer	GSM1589122	Luminal B	Subtype 4		
Breast Cancer	GSM1589123	Luminal B	Subtype 2		
Breast Cancer	GSM1589124	Luminal B	Subtype 2		
Breast Cancer	GSM1589125	Luminal B	Subtype 2		
Breast Cancer	GSM1589126	Luminal B	Subtype 4		
Breast Cancer	GSM1589127	Luminal B	Subtype 4		
Breast Cancer	GSM1589128	Luminal B	Subtype 4		
Breast Cancer	GSM1419623	Luminal B	Subtype 2		
Breast Cancer	GSM1419624	Luminal B	Subtype 4		
Breast Cancer	GSM1419627	Luminal B	Subtype 2		
Breast Cancer	GSM1419628	Luminal B	Subtype 2		
Breast Cancer	GSM1419631	Luminal B	Subtype 3		
Breast Cancer	GSM1419635	Luminal B	Subtype 2		
Breast Cancer	GSM1419642	Luminal B	Subtype 1		
Breast Cancer	GSM1419643	Luminal B	Subtype 4		
Breast Cancer	GSM1419646	Luminal B	Subtype 2		
Breast Cancer	GSM1419650	Luminal B	Subtype 2		
Breast Cancer	GSM1419652	Luminal B	Subtype 4		
Breast Cancer	GSM1419659	Luminal B	Subtype 2		
Breast Cancer	GSM1419660	Luminal B	Subtype 4		
Breast Cancer	GSM1419671	Luminal B	Subtype 1		
Breast Cancer	GSM1419672	Luminal B	Subtype 4		
Breast Cancer	GSM1176879	Luminal B	Subtype 4		
Breast Cancer	GSM1176883	Luminal B	Subtype 4		
Breast Cancer	GSM1176902	Luminal B	Subtype 3		
Breast Cancer	GSM1176904	Luminal B	Subtype 2		
Breast Cancer	GSM1176905	Luminal B	Subtype 2		
Breast Cancer	GSM1176917	Luminal B	Subtype 2		
Breast Cancer	GSM1176922	Luminal B	Subtype 2		
Breast Cancer	GSM1176927	Luminal B	Subtype 4		
Breast Cancer	GSM1176929	Luminal B	Subtype 4		
Breast Cancer	GSM1176931	Luminal B	Subtype 4		
Breast Cancer	GSM1176939	Luminal B	Subtype 4		
Breast Cancer	GSM1176940	Luminal B	Subtype 4		
Breast Cancer	GSM1176943	Luminal B	Subtype 2		
Breast Cancer	GSM1176945	Luminal B	Subtype 4		
Breast Cancer	GSM1176947	Luminal B	Subtype 2		

Breast Cancer	GSM781322	Luminal B	Subtype 3	1	721
Breast Cancer	GSM781323	Luminal B	Subtype 3		
Breast Cancer	GSM781324	Luminal B	Subtype 3		
Breast Cancer	GSM781330	Luminal B	Subtype 3	0	1249
Breast Cancer	GSM781334	Luminal B	Subtype 4	0	4277
Breast Cancer	GSM781337	Luminal B	Subtype 3		
Breast Cancer	GSM781342	Luminal B	Subtype 4	0	4506
Breast Cancer	GSM781345	Luminal B	Subtype 4	0	4982
Breast Cancer	GSM781351	Luminal B	Subtype 4	0	3979
Breast Cancer	GSM781353	Luminal B	Subtype 3	0	4260
Breast Cancer	GSM781356	Luminal B	Subtype 4	0	2981
Breast Cancer	GSM781362	Luminal B	Subtype 4	1	2326
Breast Cancer	GSM781363	Luminal B	Subtype 4	0	4211
Breast Cancer	GSM781366	Luminal B	Subtype 3	1	1569
Breast Cancer	GSM781375	Luminal B	Subtype 4	1	785
Breast Cancer	GSM781379	Luminal B	Subtype 4	1	945
Breast Cancer	GSM781382	Luminal B	Subtype 4	1	935
Breast Cancer	GSM781396	Luminal B	Subtype 2	0	2064
Breast Cancer	GSM781410	Luminal B	Subtype 1	1	851
Breast Cancer	GSM781415	Luminal B	Subtype 2	1	722
Breast Cancer	GSM781435	Luminal B	Subtype 4	1	1178
Breast Cancer	GSM781438	Luminal B	Subtype 4	0	3082
Breast Cancer	GSM781440	Luminal B	Subtype 2	0	2209
Breast Cancer	GSM781445	Luminal B	Subtype 3	0	1544
Breast Cancer	GSM781459	Luminal B	Subtype 2	0	2560
Breast Cancer	GSM781480	Luminal B	Subtype 4	0	1646
Breast Cancer	GSM781483	Luminal B	Subtype 2	1	1311
Breast Cancer	GSM781484	Luminal B	Subtype 4	0	1531
Breast Cancer	GSM781491	Luminal B	Subtype 2	0	1774
Breast Cancer	GSM781492	Luminal B	Subtype 1	0	679
Breast Cancer	GSM781497	Luminal B	Subtype 2	0	1641
Breast Cancer	GSM781510	Luminal B	Subtype 4		
Breast Cancer	GSM781511	Luminal B	Subtype 4	0	588
Breast Cancer	GSM781515	Luminal B	Subtype 2		
Breast Cancer	GSM781518	Luminal B	Subtype 2		
Breast Cancer	GSM781523	Luminal B	Subtype 3		
Breast Cancer	GSM781528	Luminal B	Subtype 3		
Breast Cancer	GSM781532	Luminal B	Subtype 4		
Breast Cancer	GSM781538	Luminal B	Subtype 2	1	3413
Breast Cancer	GSM781544	Luminal B	Subtype 2	1	1126
Breast Cancer	GSM781545	Luminal B	Subtype 2	1	3223
Breast Cancer	GSM781548	Luminal B	Subtype 2	1	2382
Breast Cancer	GSM781553	Luminal B	Subtype 4	0	1278
Breast Cancer	GSM781554	Luminal B	Subtype 4	0	2674
Breast Cancer	GSM781555	Luminal B	Subtype 4	1	373
Breast Cancer	GSM519725	Luminal B	Subtype 2	0	3066
Breast Cancer	GSM519730	Luminal B	Subtype 2	0	3219
Breast Cancer	GSM519731	Luminal B	Subtype 4	0	3296
Breast Cancer	GSM519732	Luminal B	Subtype 2	0	3278
Breast Cancer	GSM519733	Luminal B	Subtype 4	0	2778
Breast Cancer	GSM519735	Luminal B	Subtype 2	1	1562
Breast Cancer	GSM519738	Luminal B	Subtype 1	0	3227
Breast Cancer	GSM519739	Luminal B	Subtype 2	0	2931
Breast Cancer	GSM519742	Luminal B	Subtype 2	0	2088
Breast Cancer	GSM519743	Luminal B	Subtype 2	0	2716
Breast Cancer	GSM519744	Luminal B	Subtype 4	0	1635
Breast Cancer	GSM519748	Luminal B	Subtype 4	1	748
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Breast Cancer	GSM519752	Luminal B	Subtype 1	0	511
Breast Cancer	GSM519754	Luminal B	Subtype 2	1	1424
Breast Cancer	GSM519755	Luminal B	Subtype 1	0	2449
Breast Cancer	GSM519763	Luminal B	Subtype 4	1	1672
Breast Cancer	GSM519770	Luminal B	Subtype 4	1	29
Breast Cancer	GSM519771	Luminal B	Subtype 2	1	2723
Breast Cancer	GSM519773	Luminal B	Subtype 4	1	617
Breast Cancer	GSM519783	Luminal B	Subtype 4	1	2161
Breast Cancer	GSM519796	Luminal B	Subtype 2	1	3354
Breast Cancer	GSM540108	Luminal B	Subtype 3	1	721
Breast Cancer	GSM540109	Luminal B	Subtype 3		
Breast Cancer	GSM540110	Luminal B	Subtype 3		
Breast Cancer	GSM540116	Luminal B	Subtype 3	0	1249
Breast Cancer	GSM540120	Luminal B	Subtype 4	0	4277
Breast Cancer	GSM540128	Luminal B	Subtype 4	0	4506
Breast Cancer	GSM540131	Luminal B	Subtype 4	0	4982
Breast Cancer	GSM540137	Luminal B	Subtype 4	0	3979
Breast Cancer	GSM540139	Luminal B	Subtype 3	0	4260
Breast Cancer	GSM540142	Luminal B	Subtype 4	0	2981
Breast Cancer	GSM540148	Luminal B	Subtype 4	1	2326
Breast Cancer	GSM540149	Luminal B	Subtype 4	0	4211
Breast Cancer	GSM540152	Luminal B	Subtype 3	1	1569
Breast Cancer	GSM540161	Luminal B	Subtype 4	1	785
Breast Cancer	GSM540165	Luminal B	Subtype 4	1	945
Breast Cancer	GSM540168	Luminal B	Subtype 4	1	935
Breast Cancer	GSM540182	Luminal B	Subtype 2	0	2064
Breast Cancer	GSM540196	Luminal B	Subtype 1	1	851
Breast Cancer	GSM540201	Luminal B	Subtype 2	1	722
Breast Cancer	GSM540221	Luminal B	Subtype 4	1	1178
Breast Cancer	GSM540224	Luminal B	Subtype 4	0	3082
Breast Cancer	GSM540226	Luminal B	Subtype 2	0	2209
Breast Cancer	GSM540231	Luminal B	Subtype 3	0	1544
Breast Cancer	GSM540245	Luminal B	Subtype 2	0	2560
Breast Cancer	GSM540266	Luminal B	Subtype 4	0	1646
Breast Cancer	GSM540269	Luminal B	Subtype 2	1	1311
Breast Cancer	GSM540270	Luminal B	Subtype 4	0	1531
Breast Cancer	GSM540277	Luminal B	Subtype 2	0	1774
Breast Cancer	GSM540278	Luminal B	Subtype 1	0	679
Breast Cancer	GSM540284	Luminal B	Subtype 2	0	1641
Breast Cancer	GSM540299	Luminal B	Subtype 4	0	588
Breast Cancer	GSM540303	Luminal B	Subtype 2		
Breast Cancer	GSM540306	Luminal B	Subtype 2		
Breast Cancer	GSM540311	Luminal B	Subtype 3		
Breast Cancer	GSM540316	Luminal B	Subtype 3		
Breast Cancer	GSM540320	Luminal B	Subtype 4		
Breast Cancer	GSM540326	Luminal B	Subtype 2	1	3413
Breast Cancer	GSM540332	Luminal B	Subtype 2	1	1126
Breast Cancer	GSM540333	Luminal B	Subtype 2	1	3223
Breast Cancer	GSM540336	Luminal B	Subtype 2	1	2382
Breast Cancer	GSM540341	Luminal B	Subtype 4	0	1278
Breast Cancer	GSM540342	Luminal B	Subtype 4	0	2674
Breast Cancer	GSM540343	Luminal B	Subtype 4	1	373
Breast Cancer	GSM1116182	Luminal B	Subtype 3		
Breast Cancer	GSM1116183	Luminal B	Subtype 4		
Breast Cancer	GSM1116185	Luminal B	Subtype 4		
Breast Cancer	GSM1116186	Luminal B	Subtype 4		
Breast Cancer	GSM1116188	Luminal B	Subtype 4		
Breast Cancer	GSM1116189	Luminal B	Subtype 4		
Breast Cancer	GSM1116192	Luminal B	Subtype 4		
Breast Cancer	GSM1116193	Luminal B	Subtype 4		
Breast Cancer	GSM1116196	Luminal B	Subtype 2		
Breast Cancer	GSM1116197	Luminal B	Subtype 2		
Breast Cancer	GSM1116198	Luminal B	Subtype 4		
Breast Cancer	GSM1116201	Luminal B	Subtype 4		
Breast Cancer	GSM1116202	Luminal B	Subtype 2		
Breast Cancer	GSM1116206	Luminal B	Subtype 2		
Breast Cancer	GSM1116207	Luminal B	Subtype 2		
Breast Cancer	GSM1116210	Luminal B	Subtype 4		
Breast Cancer	GSM1116211	Luminal B	Subtype 2		
Breast Cancer	GSM1116212	Luminal B	Subtype 4		
Breast Cancer	GSM1116214	Luminal B	Subtype 2		
Breast Cancer	GSM1116215	Luminal B	Subtype 4		
Breast Cancer	GSM1116218	Luminal B	Subtype 4		
Breast Cancer	GSM1116219	Luminal B	Subtype 2		
Breast Cancer	GSM1116226	Luminal B	Subtype 2		
Breast Cancer	GSM1116227	Luminal B	Subtype 2		
Breast Cancer	GSM1116229	Luminal B	Subtype 2		
Breast Cancer	GSM1116230	Luminal B	Subtype 4		
Breast Cancer	GSM1116233	Luminal B	Subtype 2		
Breast Cancer	GSM1116236	Luminal B	Subtype 4		
Breast Cancer	GSM1116237	Luminal B	Subtype 2		
Breast Cancer	GSM1116238	Luminal B	Subtype 4		
Breast Cancer	GSM1589064	Luminal A	Subtype 2		
Breast Cancer	GSM1589065	Luminal A	Subtype 2		
Breast Cancer	GSM1589066	Luminal A	Subtype 2		
Breast Cancer	GSM1589067	Luminal A	Subtype 2		
Breast Cancer	GSM1589068	Luminal A	Subtype 2		
Breast Cancer	GSM1589069	Luminal A	Subtype 2		
Breast Cancer	GSM1589070	Luminal A	Subtype 2		
Breast Cancer	GSM1589071	Luminal A	Subtype 2		
Breast Cancer	GSM1589072	Luminal A	Subtype 2		
Breast Cancer	GSM1589073	Luminal A	Subtype 2		
Breast Cancer	GSM1589074	Luminal A	Subtype 2		
Breast Cancer	GSM1589075	Luminal A	Subtype 2		
Breast Cancer	GSM1589076	Luminal A	Subtype 2		
Breast Cancer	GSM1589077	Luminal A	Subtype 2		
Breast Cancer	GSM1589078	Luminal A	Subtype 2		
Breast Cancer	GSM1589079	Luminal A	Subtype 2		
Breast Cancer	GSM1589080	Luminal A	Subtype 2		
Breast Cancer	GSM1589081	Luminal A	Subtype 2		
Breast Cancer	GSM1589082	Luminal A	Subtype 2		
Breast Cancer	GSM1589083	Luminal A	Subtype 2		
Breast Cancer	GSM1589084	Luminal A	Subtype 2		
Breast Cancer	GSM1589085	Luminal A	Subtype 2		
Breast Cancer	GSM1589086	Luminal A	Subtype 2		
Breast Cancer	GSM1589087	Luminal A	Subtype 2		
Breast Cancer	GSM1589088	Luminal A	Subtype 2		
Breast Cancer	GSM1589089	Luminal A	Subtype 2		
Breast Cancer	GSM1589090	Luminal A	Subtype 2		
Breast Cancer	GSM1589091	Luminal A	Subtype 2		
Breast Cancer	GSM1589092	Luminal A	Subtype 2		
Breast Cancer	GSM1419625	Luminal A	Subtype 2		
Breast Cancer	GSM1419629	Luminal A	Subtype 2		
Breast Cancer	GSM1419631	Luminal A	Subtype 2		
Breast Cancer	GSM1419632	Luminal A	Subtype 2		
Breast Cancer	GSM1419634	Luminal A	Subtype 4		
Breast Cancer	GSM1419636	Luminal A	Subtype 2		
Breast Cancer	GSM1419638	Luminal A	Subtype 2		
Breast Cancer	GSM1419640	Luminal A	Subtype 2		
Breast Cancer	GSM1419641	Luminal A	Subtype 2		
Breast Cancer	GSM1419651	Luminal A	Subtype 2		
Breast Cancer	GSM1419653	Luminal A	Subtype 2		
Breast Cancer	GSM1419654	Luminal A	Subtype 2		
Breast Cancer	GSM1419655	Luminal A	Subtype 2		
Breast Cancer	GSM1419656	Luminal A	Subtype 4		
Breast Cancer	GSM1419657	Luminal A	Subtype 2		
Breast Cancer	GSM1419661	Luminal A	Subtype 2		
Breast Cancer	GSM1419662	Luminal A	Subtype 2		
Breast Cancer	GSM1419663	Luminal A	Subtype 2		
Breast Cancer	GSM1419664	Luminal A	Subtype 4		
Breast Cancer	GSM1419665	Luminal A	Subtype 2		
Breast Cancer	GSM1419666	Luminal A	Subtype 3		
Breast Cancer	GSM1419667	Luminal A	Subtype 2		
Breast Cancer	GSM1419669	Luminal A	Subtype 3		
Breast Cancer	GSM1419670	Luminal A	Subtype 2		
Breast Cancer	GSM1419673	Luminal A	Subtype 2		
Breast Cancer	GSM1176873	Luminal A	Subtype 2		
Breast Cancer	GSM1176874	Luminal A	Subtype 4		
Breast Cancer	GSM1176875	Luminal A	Subtype 4		
Breast Cancer	GSM1176884	Luminal A	Subtype 4		
Breast Cancer	GSM1176891	Luminal A	Subtype 4		
Breast Cancer	GSM1176893	Luminal A	Subtype 3		
Breast Cancer	GSM1176894	Luminal A	Subtype 2		
Breast Cancer	GSM1176908	Luminal A	Subtype 2		
Breast Cancer	GSM1176914	Luminal A	Subtype 2		
Breast Cancer	GSM1176923	Luminal A	Subtype 4		
Breast Cancer	GSM1176924	Luminal A	Subtype 2		
Breast Cancer	GSM1176925	Luminal A	Subtype 2		
Breast Cancer	GSM1176926	Luminal A	Subtype 3		
Breast Cancer	GSM1176928	Luminal A	Subtype 2		
Breast Cancer	GSM1176936	Luminal A	Subtype 2		
Breast Cancer	GSM1176937	Luminal A	Subtype 2		
Breast Cancer	GSM1176938	Luminal A	Subtype 2		
Breast Cancer	GSM1176941	Luminal A	Subtype 2		
Breast Cancer	GSM1176942	Luminal A	Subtype 2		
Breast Cancer	GSM1176949	Luminal A	Subtype 2		
Breast Cancer	GSM1176950	Luminal A	Subtype 2		
Breast Cancer	GSM1176952	Luminal A	Subtype 4		
Breast Cancer	GSM781316	Luminal A	Subtype 2		
Breast Cancer	GSM781326	Luminal A	Subtype 2	1	859
Breast Cancer	GSM781328	Luminal A	Subtype 4	1	223
Breast Cancer	GSM781336	Luminal A	Subtype 4	1	442
Breast Cancer	GSM781340	Luminal A	Subtype 4	0	933
Breast Cancer	GSM781343	Luminal A	Subtype 2	0	4539
Breast Cancer	GSM781347	Luminal A	Subtype 2	0	4525
Breast Cancer	GSM781348	Luminal A	Subtype 4	0	4823
Breast Cancer	GSM781350	Luminal A	Subtype 2	0	3229
Breast Cancer	GSM781358	Luminal A	Subtype 2	0	2912
Breast Cancer	GSM781359	Luminal A	Subtype 2	0	2126
Breast Cancer	GSM781364	Luminal A	Subtype 2	0	4051
Breast Cancer	GSM781374	Luminal A	Subtype 3	0	3951
Breast Cancer	GSM781377	Luminal A	Subtype 2	0	2840
Breast Cancer	GSM781383	Luminal A	Subtype 2	1	1987
Breast Cancer	GSM781384	Luminal A	Subtype 2	1	322
Breast Cancer	GSM781385	Luminal A	Subtype 2	0	2587
Breast Cancer	GSM781386	Luminal A	Subtype 3	1	839
Breast Cancer	GSM781387	Luminal A	Subtype 2	0	3644
Breast Cancer	GSM781389	Luminal A	Subtype 2	0	3623
Breast Cancer	GSM781392	Luminal A	Subtype 2	0	1274
Breast Cancer	GSM781393	Luminal A	Subtype 4	0	2554
Breast Cancer	GSM781399	Luminal A	Subtype 2	1	1663
Breast Cancer	GSM781402	Luminal A	Subtype 2	0	3468
Breast Cancer	GSM781403	Luminal A	Subtype 2	0	3578
Breast Cancer	GSM781405	Luminal A	Subtype 2	0	682
Breast Cancer	GSM781406	Luminal A	Subtype 2	0	2237
Breast Cancer	GSM781407	Luminal A	Subtype 4	0	2023
Breast Cancer	GSM781408	Luminal A	Subtype 2	0	3443
Breast Cancer	GSM781411	Luminal A	Subtype 2	0	2692
Breast Cancer	GSM781412	Luminal A	Subtype 2	0	2572
Breast Cancer	GSM781413	Luminal A	Subtype 2	1	1053
Breast Cancer	GSM781414	Luminal A	Subtype 2	0	462
Breast Cancer	GSM781416	Luminal A	Subtype 2	0	1909
Breast Cancer	GSM781417	Luminal A	Subtype 2	0	2217
Breast Cancer	GSM781418	Luminal A	Subtype 2	0	3346
Breast Cancer	GSM781421	Luminal A	Subtype 2	1	767
Breast Cancer	GSM781425	Luminal A	Subtype 2	0	3004
Breast Cancer	GSM781426	Luminal A	Subtype 2	0	2688
Breast Cancer	GSM781434	Luminal A	Subtype 2	0	1682
Breast Cancer	GSM781436	Luminal A	Subtype 4	0	2312

Breast Cancer	GSM781441	Luminal A	Subtype 2	0	2926
Breast Cancer	GSM781442	Luminal A	Subtype 2	0	1541
Breast Cancer	GSM781443	Luminal A	Subtype 2	0	2830
Breast Cancer	GSM781444	Luminal A	Subtype 2	0	1814
Breast Cancer	GSM781446	Luminal A	Subtype 2	0	2063
Breast Cancer	GSM781447	Luminal A	Subtype 2	0	2810
Breast Cancer	GSM781448	Luminal A	Subtype 2	0	3008
Breast Cancer	GSM781453	Luminal A	Subtype 2	0	2988
Breast Cancer	GSM781454	Luminal A	Subtype 2	0	2822
Breast Cancer	GSM781455	Luminal A	Subtype 2	1	2281
Breast Cancer	GSM781457	Luminal A	Subtype 2	1	1601
Breast Cancer	GSM781460	Luminal A	Subtype 3	1	1107
Breast Cancer	GSM781461	Luminal A	Subtype 2	0	1396
Breast Cancer	GSM781472	Luminal A	Subtype 2	0	2010
Breast Cancer	GSM781476	Luminal A	Subtype 4	0	1619
Breast Cancer	GSM781489	Luminal A	Subtype 2	0	1786
Breast Cancer	GSM781493	Luminal A	Subtype 4	0	1794
Breast Cancer	GSM781494	Luminal A	Subtype 3	0	1759
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Breast Cancer	GSM781508	Luminal A	Subtype 2	0	1063
Breast Cancer	GSM781517	Luminal A	Subtype 2		
Breast Cancer	GSM781525	Luminal A	Subtype 4		
Breast Cancer	GSM781527	Luminal A	Subtype 2		
Breast Cancer	GSM781530	Luminal A	Subtype 4	0	221
Breast Cancer	GSM781533	Luminal A	Subtype 4		
Breast Cancer	GSM781540	Luminal A	Subtype 2	1	985
Breast Cancer	GSM781541	Luminal A	Subtype 2	1	842
Breast Cancer	GSM781542	Luminal A	Subtype 4	1	2758
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Breast Cancer	GSM781547	Luminal A	Subtype 2	1	759
Breast Cancer	GSM781550	Luminal A	Subtype 2	1	964
Breast Cancer	GSM781552	Luminal A	Subtype 2	1	1526
Breast Cancer	GSM781556	Luminal A	Subtype 4	1	1221
Breast Cancer	GSM781559	Luminal A	Subtype 4	1	822
Breast Cancer	GSM781561	Luminal A	Subtype 3	1	531
Breast Cancer	GSM781562	Luminal A	Subtype 3	1	101
Breast Cancer	GSM781575	Luminal A	Subtype 3	0	923
Breast Cancer	GSM519736	Luminal A	Subtype 2	0	2216
Breast Cancer	GSM519762	Luminal A	Subtype 2	0	2493
Breast Cancer	GSM519772	Luminal A	Subtype 4	0	2172
Breast Cancer	GSM519788	Luminal A	Subtype 2	0	2329
Breast Cancer	GSM519789	Luminal A	Subtype 2	0	2175
Breast Cancer	GSM519790	Luminal A	Subtype 2	0	4009
Breast Cancer	GSM519791	Luminal A	Subtype 2	0	2884
Breast Cancer	GSM519795	Luminal A	Subtype 2	0	1956
Breast Cancer	GSM519798	Luminal A	Subtype 2	1	2365
Breast Cancer	GSM519804	Luminal A	Subtype 2	0	3646
Breast Cancer	GSM519807	Luminal A	Subtype 2	1	1369
Breast Cancer	GSM519809	Luminal A	Subtype 2	0	2230
Breast Cancer	GSM519810	Luminal A	Subtype 2	1	4
Breast Cancer	GSM540112	Luminal A	Subtype 2	1	859
Breast Cancer	GSM540114	Luminal A	Subtype 4	1	223
Breast Cancer	GSM540122	Luminal A	Subtype 4	1	442
Breast Cancer	GSM540126	Luminal A	Subtype 4	0	933
Breast Cancer	GSM540129	Luminal A	Subtype 2	0	4559
Breast Cancer	GSM540133	Luminal A	Subtype 2	0	4525
Breast Cancer	GSM540134	Luminal A	Subtype 4	0	4823
Breast Cancer	GSM540136	Luminal A	Subtype 2	0	3229
Breast Cancer	GSM540144	Luminal A	Subtype 2	0	2912
Breast Cancer	GSM540145	Luminal A	Subtype 2	0	2126
Breast Cancer	GSM540150	Luminal A	Subtype 2	0	4051
Breast Cancer	GSM540160	Luminal A	Subtype 3	0	3951
Breast Cancer	GSM540163	Luminal A	Subtype 2	0	2840
Breast Cancer	GSM540169	Luminal A	Subtype 2	1	1987
Breast Cancer	GSM540170	Luminal A	Subtype 2	1	322
Breast Cancer	GSM540171	Luminal A	Subtype 2	0	2587
Breast Cancer	GSM540172	Luminal A	Subtype 3	1	839
Breast Cancer	GSM540173	Luminal A	Subtype 2	0	3644
Breast Cancer	GSM540175	Luminal A	Subtype 2	0	3623
Breast Cancer	GSM540178	Luminal A	Subtype 2	0	1274
Breast Cancer	GSM540179	Luminal A	Subtype 4	0	2554
Breast Cancer	GSM540185	Luminal A	Subtype 2	1	1663
Breast Cancer	GSM540188	Luminal A	Subtype 2	0	3468
Breast Cancer	GSM540189	Luminal A	Subtype 2	0	3578
Breast Cancer	GSM540191	Luminal A	Subtype 2	0	682
Breast Cancer	GSM540192	Luminal A	Subtype 2	0	2237
Breast Cancer	GSM540193	Luminal A	Subtype 4	0	2023
Breast Cancer	GSM540194	Luminal A	Subtype 2	0	3443
Breast Cancer	GSM540197	Luminal A	Subtype 2	0	2692
Breast Cancer	GSM540198	Luminal A	Subtype 2	0	2572
Breast Cancer	GSM540199	Luminal A	Subtype 2	1	1053
Breast Cancer	GSM540200	Luminal A	Subtype 2	0	462
Breast Cancer	GSM540202	Luminal A	Subtype 2	0	1909
Breast Cancer	GSM540203	Luminal A	Subtype 2	0	2217
Breast Cancer	GSM540204	Luminal A	Subtype 2	0	3346
Breast Cancer	GSM540207	Luminal A	Subtype 2	1	767
Breast Cancer	GSM540211	Luminal A	Subtype 2	0	3004
Breast Cancer	GSM540212	Luminal A	Subtype 2	0	2688
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Breast Cancer	GSM540227	Luminal A	Subtype 2	0	2926
Breast Cancer	GSM540228	Luminal A	Subtype 2	0	1541
Breast Cancer	GSM540229	Luminal A	Subtype 2	0	2830
Breast Cancer	GSM540230	Luminal A	Subtype 2	0	1814
Breast Cancer	GSM540232	Luminal A	Subtype 2	0	2063
Breast Cancer	GSM540233	Luminal A	Subtype 2	0	2810
Breast Cancer	GSM540234	Luminal A	Subtype 2	0	3008
Breast Cancer	GSM540239	Luminal A	Subtype 2	0	2988
Breast Cancer	GSM540240	Luminal A	Subtype 2	0	2822
Breast Cancer	GSM540241	Luminal A	Subtype 2	1	2281
Breast Cancer	GSM540243	Luminal A	Subtype 2	1	1601
Breast Cancer	GSM540246	Luminal A	Subtype 3	1	1107
Breast Cancer	GSM540247	Luminal A	Subtype 2	0	1396
Breast Cancer	GSM540258	Luminal A	Subtype 2	0	2010
Breast Cancer	GSM540262	Luminal A	Subtype 4	0	1619
Breast Cancer	GSM540275	Luminal A	Subtype 2	0	1786
Breast Cancer	GSM540279	Luminal A	Subtype 4	0	1794
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Breast Cancer	GSM540287	Luminal A	Subtype 2	0	1063
Breast Cancer	GSM540313	Luminal A	Subtype 4		
Breast Cancer	GSM540315	Luminal A	Subtype 2		
Breast Cancer	GSM540318	Luminal A	Subtype 4	0	221
Breast Cancer	GSM540321	Luminal A	Subtype 4		
Breast Cancer	GSM540328	Luminal A	Subtype 2	1	985
Breast Cancer	GSM540329	Luminal A	Subtype 2	1	842
Breast Cancer	GSM540330	Luminal A	Subtype 4	1	2758
Breast Cancer	GSM540334	Luminal A	Subtype 2	1	1807
Breast Cancer	GSM540335	Luminal A	Subtype 2	1	759
Breast Cancer	GSM540338	Luminal A	Subtype 2	1	964
Breast Cancer	GSM540340	Luminal A	Subtype 2	1	1526
Breast Cancer	GSM540344	Luminal A	Subtype 4	1	1221
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Breast Cancer	GSM540349	Luminal A	Subtype 3	1	531
Breast Cancer	GSM540350	Luminal A	Subtype 3	1	101
Breast Cancer	GSM540363	Luminal A	Subtype 3	0	923
Breast Cancer	GSM1116180	Luminal A	Subtype 2		
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Breast Cancer	GSM1116190	Luminal A	Subtype 2		
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Breast Cancer	GSM1116234	Luminal A	Subtype 2		
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Breast Cancer	GSM1588973	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1588981	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1588989	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1588990	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1588991	ERBB2/HER2	Subtype 5		
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Breast Cancer	GSM1588997	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1588998	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1588999	ERBB2/HER2	Subtype 3		
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Breast Cancer	GSM1589007	ERBB2/HER2	Subtype 4		
Breast Cancer	GSM1589008	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1589013	ERBB2/HER2	Subtype 2		
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Breast Cancer	GSM1589020	ERBB2/HER2	Subtype 4		
Breast Cancer	GSM1589021	ERBB2/HER2	Subtype 3		
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Breast Cancer	GSM1589023	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1589025	ERBB2/HER2	Subtype 3		
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Breast Cancer	GSM1589027	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1589030	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1589033	ERBB2/HER2	Subtype 2		
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Breast Cancer	GSM1589047	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1589048	ERBB2/HER2	Subtype 2		
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Breast Cancer	GSM1589051	ERBB2/HER2	Subtype 3		
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Breast Cancer	GSM1589057	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1419637	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1419645	ERBB2/HER2	Subtype 1		
Breast Cancer	GSM1176877	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1176885	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1176888	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1176889	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1176890	ERBB2/HER2	Subtype 5		
Breast Cancer	GSM1176896	ERBB2/HER2	Subtype 5		
Breast Cancer	GSM1176897	ERBB2/HER2	Subtype 4		
Breast Cancer	GSM1176899	ERBB2/HER2	Subtype 3		
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Breast Cancer	GSM1176907	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1176915	ERBB2/HER2	Subtype 4		
Breast Cancer	GSM1176930	ERBB2/HER2	Subtype 1		
Breast Cancer	GSM1176934	ERBB2/HER2	Subtype 3		
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Breast Cancer	GSM781325	ERBB2/HER2	Subtype 4	1	1745
Breast Cancer	GSM781376	ERBB2/HER2	Subtype 3	1	773
Breast Cancer	GSM781388	ERBB2/HER2	Subtype 3	0	3339
Breast Cancer	GSM781427	ERBB2/HER2	Subtype 3	1	1995
Breast Cancer	GSM781430	ERBB2/HER2	Subtype 2	0	1607
Breast Cancer	GSM781464	ERBB2/HER2	Subtype 3	0	2885
Breast Cancer	GSM781465	ERBB2/HER2	Subtype 2	0	2691
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Breast Cancer	GSM781479	ERBB2/HER2	Subtype 2	0	1751
Breast Cancer	GSM781482	ERBB2/HER2	Subtype 1	0	1469
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Breast Cancer	GSM781488	ERBB2/HER2	Subtype 5	1	344
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Breast Cancer	GSM781509	ERBB2/HER2	Subtype 2	0	980
Breast Cancer	GSM781521	ERBB2/HER2	Subtype 3		
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Breast Cancer	GSM781566	ERBB2/HER2	Subtype 3	0	1641
Breast Cancer	GSM781570	ERBB2/HER2	Subtype 4	0	1255
Breast Cancer	GSM781582	ERBB2/HER2	Subtype 4	0	233
Breast Cancer	GSM519722	ERBB2/HER2	Subtype 5	1	339
Breast Cancer	GSM519723	ERBB2/HER2	Subtype 2	1	445
Breast Cancer	GSM519724	ERBB2/HER2	Subtype 2	0	3154
Breast Cancer	GSM519726	ERBB2/HER2	Subtype 1	0	2632
Breast Cancer	GSM519728	ERBB2/HER2	Subtype 3	0	774
Breast Cancer	GSM519740	ERBB2/HER2	Subtype 2	0	675
Breast Cancer	GSM519749	ERBB2/HER2	Subtype 4	1	1234
Breast Cancer	GSM519751	ERBB2/HER2	Subtype 5		
Breast Cancer	GSM519756	ERBB2/HER2	Subtype 2	0	2321
Breast Cancer	GSM519758	ERBB2/HER2	Subtype 2	1	1230
Breast Cancer	GSM519764	ERBB2/HER2	Subtype 2	1	960
Breast Cancer	GSM519767	ERBB2/HER2	Subtype 3	0	204
Breast Cancer	GSM519769	ERBB2/HER2	Subtype 2	0	2252
Breast Cancer	GSM519776	ERBB2/HER2	Subtype 2	0	2234
Breast Cancer	GSM519777	ERBB2/HER2	Subtype 2	1	394
Breast Cancer	GSM519778	ERBB2/HER2	Subtype 2	0	1982
Breast Cancer	GSM519781	ERBB2/HER2	Subtype 2	0	5095
Breast Cancer	GSM519782	ERBB2/HER2	Subtype 2	0	4887
Breast Cancer	GSM519785	ERBB2/HER2	Subtype 5	1	763
Breast Cancer	GSM519786	ERBB2/HER2	Subtype 4	1	3165
Breast Cancer	GSM519792	ERBB2/HER2	Subtype 1	0	4098
Breast Cancer	GSM519797	ERBB2/HER2	Subtype 3	1	270
Breast Cancer	GSM519799	ERBB2/HER2	Subtype 1	1	3730
Breast Cancer	GSM519800	ERBB2/HER2	Subtype 2	1	1438
Breast Cancer	GSM519805	ERBB2/HER2	Subtype 2	1	967

Breast Cancer	GSM519806	ERBB2/HER2	Subtype 3	1	234
Breast Cancer	GSM540111	ERBB2/HER2	Subtype 4	1	1745
Breast Cancer	GSM540162	ERBB2/HER2	Subtype 3	1	773
Breast Cancer	GSM540174	ERBB2/HER2	Subtype 3	0	3339
Breast Cancer	GSM540213	ERBB2/HER2	Subtype 3	1	1995
Breast Cancer	GSM540216	ERBB2/HER2	Subtype 2	0	1607
Breast Cancer	GSM540250	ERBB2/HER2	Subtype 3	0	2885
Breast Cancer	GSM540251	ERBB2/HER2	Subtype 2	0	2691
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Breast Cancer	GSM540265	ERBB2/HER2	Subtype 2	0	1751
Breast Cancer	GSM540268	ERBB2/HER2	Subtype 1	0	1469
Breast Cancer	GSM540272	ERBB2/HER2	Subtype 2	0	1553
Breast Cancer	GSM540274	ERBB2/HER2	Subtype 5	1	344
Breast Cancer	GSM540283	ERBB2/HER2	Subtype 1	0	1712
Breast Cancer	GSM540289	ERBB2/HER2	Subtype 4	0	923
Breast Cancer	GSM540297	ERBB2/HER2	Subtype 2	0	980
Breast Cancer	GSM540309	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM540323	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM540346	ERBB2/HER2	Subtype 2	1	677
Breast Cancer	GSM540354	ERBB2/HER2	Subtype 3	0	1641
Breast Cancer	GSM540358	ERBB2/HER2	Subtype 4	0	1255
Breast Cancer	GSM540370	ERBB2/HER2	Subtype 4	0	233
Breast Cancer	GSM1423346	ERBB2/HER2	Subtype 2	0	3643
Breast Cancer	GSM1423347	ERBB2/HER2	Subtype 4	0	3729
Breast Cancer	GSM1423348	ERBB2/HER2	Subtype 4	0	3517
Breast Cancer	GSM1423349	ERBB2/HER2	Subtype 2	1	630
Breast Cancer	GSM1423350	ERBB2/HER2	Subtype 2	0	3125
Breast Cancer	GSM1423351	ERBB2/HER2	Subtype 2	1	880
Breast Cancer	GSM1423352	ERBB2/HER2	Subtype 2	0	2034
Breast Cancer	GSM1423353	ERBB2/HER2	Subtype 2	1	2117
Breast Cancer	GSM1423354	ERBB2/HER2	Subtype 2	0	2562
Breast Cancer	GSM1423355	ERBB2/HER2	Subtype 1	1	914
Breast Cancer	GSM1423356	ERBB2/HER2	Subtype 2	0	2544
Breast Cancer	GSM1423357	ERBB2/HER2	Subtype 2	0	2665
Breast Cancer	GSM1423358	ERBB2/HER2	Subtype 1	1	1000
Breast Cancer	GSM1423359	ERBB2/HER2	Subtype 4	0	2397
Breast Cancer	GSM1423360	ERBB2/HER2	Subtype 5	1	279
Breast Cancer	GSM1423361	ERBB2/HER2	Subtype 4	0	2252
Breast Cancer	GSM1423362	ERBB2/HER2	Subtype 2	0	2315
Breast Cancer	GSM1423363	ERBB2/HER2	Subtype 3	0	2420
Breast Cancer	GSM1423364	ERBB2/HER2	Subtype 2	0	2155
Breast Cancer	GSM1423365	ERBB2/HER2	Subtype 4	0	2541
Breast Cancer	GSM1423366	ERBB2/HER2	Subtype 2	0	2223
Breast Cancer	GSM1423367	ERBB2/HER2	Subtype 4	0	2495
Breast Cancer	GSM1423368	ERBB2/HER2	Subtype 2	0	2170
Breast Cancer	GSM1423369	ERBB2/HER2	Subtype 2	0	2267
Breast Cancer	GSM1423370	ERBB2/HER2	Subtype 3	0	2218
Breast Cancer	GSM1423371	ERBB2/HER2	Subtype 2	1	1124
Breast Cancer	GSM1423372	ERBB2/HER2	Subtype 3	0	2272
Breast Cancer	GSM1423373	ERBB2/HER2	Subtype 2	0	2161
Breast Cancer	GSM1423374	ERBB2/HER2	Subtype 2	0	1689
Breast Cancer	GSM1423375	ERBB2/HER2	Subtype 2	0	921
Breast Cancer	GSM1423376	ERBB2/HER2	Subtype 2	0	2201
Breast Cancer	GSM1423377	ERBB2/HER2	Subtype 2	0	2219
Breast Cancer	GSM1423378	ERBB2/HER2	Subtype 4	0	2216
Breast Cancer	GSM1423379	ERBB2/HER2	Subtype 4	0	2180
Breast Cancer	GSM1423380	ERBB2/HER2	Subtype 4	0	2304
Breast Cancer	GSM1423381	ERBB2/HER2	Subtype 2	1	876
Breast Cancer	GSM1423382	ERBB2/HER2	Subtype 1	0	1846
Breast Cancer	GSM1423383	ERBB2/HER2	Subtype 1	1	966
Breast Cancer	GSM1423384	ERBB2/HER2	Subtype 2	0	1845
Breast Cancer	GSM1423385	ERBB2/HER2	Subtype 2	0	1985
Breast Cancer	GSM1423386	ERBB2/HER2	Subtype 1	0	1774
Breast Cancer	GSM1423387	ERBB2/HER2	Subtype 3	0	1943
Breast Cancer	GSM1423388	ERBB2/HER2	Subtype 4	0	1896
Breast Cancer	GSM1423389	ERBB2/HER2	Subtype 4	0	1139
Breast Cancer	GSM1423390	ERBB2/HER2	Subtype 4	1	1002
Breast Cancer	GSM1423391	ERBB2/HER2	Subtype 4	0	1993
Breast Cancer	GSM1423392	ERBB2/HER2	Subtype 2	0	701
Breast Cancer	GSM1423393	ERBB2/HER2	Subtype 3	0	1748
Breast Cancer	GSM1423394	ERBB2/HER2	Subtype 4	0	903
Breast Cancer	GSM1423395	ERBB2/HER2	Subtype 2	0	788
Breast Cancer	GSM1423396	ERBB2/HER2	Subtype 1	0	1892
Breast Cancer	GSM1423397	ERBB2/HER2	Subtype 4	0	1629
Breast Cancer	GSM1423398	ERBB2/HER2	Subtype 2	0	1822
Breast Cancer	GSM1423399	ERBB2/HER2	Subtype 1	0	1810
Breast Cancer	GSM1423400	ERBB2/HER2	Subtype 3	0	1757
Breast Cancer	GSM1423401	ERBB2/HER2	Subtype 4	0	1668
Breast Cancer	GSM1423402	ERBB2/HER2	Subtype 1	0	1921
Breast Cancer	GSM1423403	ERBB2/HER2	Subtype 1	0	1430
Breast Cancer	GSM1423404	ERBB2/HER2	Subtype 4	0	1666
Breast Cancer	GSM1423405	ERBB2/HER2	Subtype 4	0	1780
Breast Cancer	GSM1423406	ERBB2/HER2	Subtype 1	0	1637
Breast Cancer	GSM1423407	ERBB2/HER2	Subtype 4	0	1726
Breast Cancer	GSM1423408	ERBB2/HER2	Subtype 2	0	1735
Breast Cancer	GSM1423409	ERBB2/HER2	Subtype 2	0	1820
Breast Cancer	GSM1423410	ERBB2/HER2	Subtype 4	0	1521
Breast Cancer	GSM1423411	ERBB2/HER2	Subtype 2	0	1774
Breast Cancer	GSM1423412	ERBB2/HER2	Subtype 4	0	1421
Breast Cancer	GSM1423413	ERBB2/HER2	Subtype 4	0	1453
Breast Cancer	GSM1423414	ERBB2/HER2	Subtype 4	0	1488
Breast Cancer	GSM1423415	ERBB2/HER2	Subtype 2	0	1539
Breast Cancer	GSM1423416	ERBB2/HER2	Subtype 4	0	1518
Breast Cancer	GSM1423417	ERBB2/HER2	Subtype 2	0	1492
Breast Cancer	GSM1423418	ERBB2/HER2	Subtype 2	0	1498
Breast Cancer	GSM1423419	ERBB2/HER2	Subtype 2	0	1457
Breast Cancer	GSM1423420	ERBB2/HER2	Subtype 4	0	1610
Breast Cancer	GSM1423421	ERBB2/HER2	Subtype 4	0	1508
Breast Cancer	GSM1423422	ERBB2/HER2	Subtype 2	0	1469
Breast Cancer	GSM1423423	ERBB2/HER2	Subtype 2	0	1483
Breast Cancer	GSM1423424	ERBB2/HER2	Subtype 4	0	1388
Breast Cancer	GSM1423425	ERBB2/HER2	Subtype 2	0	1372
Breast Cancer	GSM1423426	ERBB2/HER2	Subtype 2	0	1312
Breast Cancer	GSM1423427	ERBB2/HER2	Subtype 1	1	669
Breast Cancer	GSM1423428	ERBB2/HER2	Subtype 4	0	1175
Breast Cancer	GSM1423429	ERBB2/HER2	Subtype 2	1	201
Breast Cancer	GSM1423430	ERBB2/HER2	Subtype 4	0	2621
Breast Cancer	GSM1423431	ERBB2/HER2	Subtype 2	0	3077
Breast Cancer	GSM1423432	ERBB2/HER2	Subtype 1	0	1492
Breast Cancer	GSM1423433	ERBB2/HER2	Subtype 2	0	1012
Breast Cancer	GSM1423434	ERBB2/HER2	Subtype 1	0	2000
Breast Cancer	GSM1423435	ERBB2/HER2	Subtype 2	0	1723
Breast Cancer	GSM1423436	ERBB2/HER2	Subtype 1	0	1471
Breast Cancer	GSM1423437	ERBB2/HER2	Subtype 4	0	1459
Breast Cancer	GSM1423438	ERBB2/HER2	Subtype 2	0	470
Breast Cancer	GSM1423439	ERBB2/HER2	Subtype 4	0	844
Breast Cancer	GSM1116086	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116088	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116089	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116095	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116096	ERBB2/HER2	Subtype 1		
Breast Cancer	GSM1116097	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116098	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116100	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116103	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116104	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116105	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116107	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116116	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116117	ERBB2/HER2	Subtype 5		
Breast Cancer	GSM1116121	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116122	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116123	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116126	ERBB2/HER2	Subtype 4		
Breast Cancer	GSM1116127	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116129	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116132	ERBB2/HER2	Subtype 4		
Breast Cancer	GSM1116133	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116134	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116137	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116140	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116141	ERBB2/HER2	Subtype 1		
Breast Cancer	GSM1116151	ERBB2/HER2	Subtype 2		
Breast Cancer	GSM1116152	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116153	ERBB2/HER2	Subtype 3		
Breast Cancer	GSM1116154	ERBB2/HER2	Subtype 3		
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Breast Cancer	GSM1974567	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974568	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974569	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974570	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974571	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974572	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974573	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974574	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1974575	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974576	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974577	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974578	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974579	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974580	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974581	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974582	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974583	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974584	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974585	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974586	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974587	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974588	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974589	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974590	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974591	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974593	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974594	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1974596	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974597	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974598	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974599	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974600	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974601	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974602	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974603	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974604	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974605	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974606	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974607	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974608	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974609	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974610	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1974611	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974612	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974613	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974614	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974615	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974616	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974617	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974618	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974619	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974620	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974621	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974622	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974623	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974624	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974625	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974626	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974627	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974628	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974629	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974630	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974631	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974632	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974633	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974635	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974636	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974637	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1974638	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974639	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974640	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1974641	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1974642	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974643	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974644	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1974645	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974646	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1974648	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974650	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974651	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974652	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974653	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974654	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974655	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974656	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974657	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974658	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974659	basal-like/triple-negative	Subtype 2		
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Breast Cancer	GSM1974661	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1974662	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974663	basal-like/triple-negative	Subtype 2		
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Breast Cancer	GSM1974665	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974666	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974667	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974668	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974669	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974670	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974672	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974673	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974674	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974675	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974676	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974677	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974678	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974679	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1974680	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974681	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM1974682	basal-like/triple-negative	Subtype 2		

Breast Cancer	GSM1974683	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974685	basal-like/triple-negative	Subtype 2
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Breast Cancer	GSM1974687	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974688	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974689	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974690	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974691	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974692	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974693	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974694	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974695	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974696	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974697	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974698	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974699	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974700	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974701	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974702	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974703	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974704	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974705	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974706	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974707	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974708	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974709	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974710	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974711	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974712	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974713	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974714	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974715	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974716	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1974717	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974718	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974719	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974720	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1974721	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974722	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974723	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974724	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974725	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974726	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974727	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1974728	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1974729	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974730	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974731	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974732	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974733	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974734	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974735	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974736	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1974737	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974738	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974739	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974740	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974741	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1974742	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974743	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1974744	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974745	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1974746	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1974748	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974749	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1974750	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974751	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1974752	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974753	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1974754	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974755	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974756	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1974757	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1974758	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974759	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974760	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974761	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1974762	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419942	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419943	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419944	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419945	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419946	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419947	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419948	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419949	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419950	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419951	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419952	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419953	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419954	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419955	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419956	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419957	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419958	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419968	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419969	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419970	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419971	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419972	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419973	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419974	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419975	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419976	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419977	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419978	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419979	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419980	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419981	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1419982	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419983	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419984	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419985	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419986	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419987	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419988	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419989	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419990	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419991	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419992	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419993	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419994	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419995	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1419996	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419997	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419998	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419999	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420000	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420001	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420002	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420003	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1420004	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420005	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420006	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420007	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1420008	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420009	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420010	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1420011	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420012	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1420013	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420014	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420015	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420016	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420017	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420018	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420019	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420020	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420021	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420022	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420023	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420024	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420025	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420026	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420027	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420028	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420029	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420030	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1420031	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1420032	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420033	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420034	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1420035	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420036	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420037	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420038	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1420039	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420040	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1420041	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420042	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1420043	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420044	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420045	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420046	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1420047	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420048	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420049	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420050	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420051	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420052	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420053	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1420054	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420055	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420056	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1420057	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588970	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588971	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588974	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588975	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588976	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588977	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588978	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588979	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588980	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588982	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588983	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588984	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588985	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588986	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588987	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588988	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588993	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588994	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588995	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1588996	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589003	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589004	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589005	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589009	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589010	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589011	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589012	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589014	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589015	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589016	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1589017	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589024	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589028	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589029	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589031	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589032	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589035	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589036	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589037	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589038	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589039	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589040	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589041	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1589042	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589043	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589045	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589054	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589055	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589056	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589058	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589059	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589060	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589061	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589062	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1589063	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419626	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419630	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419639	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419644	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419647	basal-like/triple-negative	Subtype 3
Breast Cancer	GSM1419648	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419649	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419658	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1419668	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1176880	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1176882	basal-like/triple-negative	Subtype 4
Breast Cancer	GSM1176892	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1176903	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1176909	basal-like/triple-negative	Subtype 2
Breast Cancer	GSM1176912	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1176916	basal-like/triple-negative	Subtype 1
Breast Cancer	GSM1176919	basal-like/triple-negative	Subtype 1

Breast Cancer	GSM1176920	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1176953	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781289	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781290	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781291	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781292	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781293	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781294	basal-like/triple-negative	Subtype 2		
Breast Cancer	GSM781295	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781296	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781297	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781298	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781299	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781300	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781301	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781302	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781303	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781304	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781305	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781307	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781312	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781313	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781314	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781331	basal-like/triple-negative	Subtype 1	1	1093
Breast Cancer	GSM781332	basal-like/triple-negative	Subtype 1	0	3181
Breast Cancer	GSM781333	basal-like/triple-negative	Subtype 1	1	356
Breast Cancer	GSM781335	basal-like/triple-negative	Subtype 1	0	3913
Breast Cancer	GSM781338	basal-like/triple-negative	Subtype 5	1	436
Breast Cancer	GSM781339	basal-like/triple-negative	Subtype 1	0	1179
Breast Cancer	GSM781344	basal-like/triple-negative	Subtype 2	0	3497
Breast Cancer	GSM781346	basal-like/triple-negative	Subtype 1	0	1102
Breast Cancer	GSM781352	basal-like/triple-negative	Subtype 1	1	337
Breast Cancer	GSM781354	basal-like/triple-negative	Subtype 1	1	328
Breast Cancer	GSM781360	basal-like/triple-negative	Subtype 1	1	961
Breast Cancer	GSM781361	basal-like/triple-negative	Subtype 2	0	334
Breast Cancer	GSM781365	basal-like/triple-negative	Subtype 1	0	2837
Breast Cancer	GSM781370	basal-like/triple-negative	Subtype 1	1	621
Breast Cancer	GSM781378	basal-like/triple-negative	Subtype 3	0	3616
Breast Cancer	GSM781381	basal-like/triple-negative	Subtype 1	1	1656
Breast Cancer	GSM781390	basal-like/triple-negative	Subtype 1	1	671
Breast Cancer	GSM781395	basal-like/triple-negative	Subtype 1	0	3413
Breast Cancer	GSM781397	basal-like/triple-negative	Subtype 1	1	276
Breast Cancer	GSM781400	basal-like/triple-negative	Subtype 1	0	731
Breast Cancer	GSM781409	basal-like/triple-negative	Subtype 2	0	3298
Breast Cancer	GSM781420	basal-like/triple-negative	Subtype 5	0	1540
Breast Cancer	GSM781423	basal-like/triple-negative	Subtype 1	0	3300
Breast Cancer	GSM781428	basal-like/triple-negative	Subtype 4	0	1869
Breast Cancer	GSM781429	basal-like/triple-negative	Subtype 1	0	3046
Breast Cancer	GSM781450	basal-like/triple-negative	Subtype 5	0	2929
Breast Cancer	GSM781451	basal-like/triple-negative	Subtype 1	0	1823
Breast Cancer	GSM781452	basal-like/triple-negative	Subtype 1	1	524
Breast Cancer	GSM781462	basal-like/triple-negative	Subtype 1	0	1468
Breast Cancer	GSM781463	basal-like/triple-negative	Subtype 1	0	2862
Breast Cancer	GSM781468	basal-like/triple-negative	Subtype 1	0	1352
Breast Cancer	GSM781469	basal-like/triple-negative	Subtype 1	0	165
Breast Cancer	GSM781470	basal-like/triple-negative	Subtype 1	0	2036
Breast Cancer	GSM781474	basal-like/triple-negative	Subtype 1	0	2519
Breast Cancer	GSM781475	basal-like/triple-negative	Subtype 1	0	1861
Breast Cancer	GSM781478	basal-like/triple-negative	Subtype 1	0	1415
Breast Cancer	GSM781481	basal-like/triple-negative	Subtype 2	1	475
Breast Cancer	GSM781485	basal-like/triple-negative	Subtype 1	0	1985
Breast Cancer	GSM781487	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM781490	basal-like/triple-negative	Subtype 1	1	402
Breast Cancer	GSM781495	basal-like/triple-negative	Subtype 1	0	1723
Breast Cancer	GSM781498	basal-like/triple-negative	Subtype 1	0	1720
Breast Cancer	GSM781503	basal-like/triple-negative	Subtype 4	0	1228
Breast Cancer	GSM781504	basal-like/triple-negative	Subtype 2	0	1073
Breast Cancer	GSM781506	basal-like/triple-negative	Subtype 1	0	852
Breast Cancer	GSM781514	basal-like/triple-negative	Subtype 1	1	582
Breast Cancer	GSM781516	basal-like/triple-negative	Subtype 1	0	246
Breast Cancer	GSM781519	basal-like/triple-negative	Subtype 1	0	300
Breast Cancer	GSM781543	basal-like/triple-negative	Subtype 1	1	186
Breast Cancer	GSM781560	basal-like/triple-negative	Subtype 1	0	2795
Breast Cancer	GSM781563	basal-like/triple-negative	Subtype 1	1	1081
Breast Cancer	GSM781564	basal-like/triple-negative	Subtype 1	1	1871
Breast Cancer	GSM781565	basal-like/triple-negative	Subtype 3	0	1482
Breast Cancer	GSM781567	basal-like/triple-negative	Subtype 2	0	422
Breast Cancer	GSM781568	basal-like/triple-negative	Subtype 1	0	1634
Breast Cancer	GSM781569	basal-like/triple-negative	Subtype 1	0	1655
Breast Cancer	GSM781571	basal-like/triple-negative	Subtype 1	0	1057
Breast Cancer	GSM781572	basal-like/triple-negative	Subtype 1	0	1126
Breast Cancer	GSM781573	basal-like/triple-negative	Subtype 4	0	1133
Breast Cancer	GSM781574	basal-like/triple-negative	Subtype 1	0	1070
Breast Cancer	GSM781576	basal-like/triple-negative	Subtype 2	0	788
Breast Cancer	GSM781577	basal-like/triple-negative	Subtype 2	0	814
Breast Cancer	GSM781578	basal-like/triple-negative	Subtype 1	1	421
Breast Cancer	GSM781580	basal-like/triple-negative	Subtype 1	0	222
Breast Cancer	GSM781581	basal-like/triple-negative	Subtype 1	0	243
Breast Cancer	GSM781583	basal-like/triple-negative	Subtype 1	1	360
Breast Cancer	GSM781584	basal-like/triple-negative	Subtype 1	0	344
Breast Cancer	GSM781585	basal-like/triple-negative	Subtype 1	0	231
Breast Cancer	GSM519727	basal-like/triple-negative	Subtype 1	1	2559
Breast Cancer	GSM519729	basal-like/triple-negative	Subtype 1	0	3037
Breast Cancer	GSM519734	basal-like/triple-negative	Subtype 1	0	3449
Breast Cancer	GSM519737	basal-like/triple-negative	Subtype 2	1	934
Breast Cancer	GSM519741	basal-like/triple-negative	Subtype 1	1	186
Breast Cancer	GSM519745	basal-like/triple-negative	Subtype 1	1	1219
Breast Cancer	GSM519746	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM519747	basal-like/triple-negative	Subtype 1	0	2862
Breast Cancer	GSM519753	basal-like/triple-negative	Subtype 1	0	2613
Breast Cancer	GSM519757	basal-like/triple-negative	Subtype 3	1	1829
Breast Cancer	GSM519759	basal-like/triple-negative	Subtype 1	0	2263
Breast Cancer	GSM519760	basal-like/triple-negative	Subtype 1	0	2267
Breast Cancer	GSM519761	basal-like/triple-negative	Subtype 4	1	537
Breast Cancer	GSM519765	basal-like/triple-negative	Subtype 2	0	2270
Breast Cancer	GSM519768	basal-like/triple-negative	Subtype 1	0	5139
Breast Cancer	GSM519774	basal-like/triple-negative	Subtype 1	0	2095
Breast Cancer	GSM519775	basal-like/triple-negative	Subtype 5	1	1617
Breast Cancer	GSM519779	basal-like/triple-negative	Subtype 1	1	748
Breast Cancer	GSM519780	basal-like/triple-negative	Subtype 2	1	883
Breast Cancer	GSM519784	basal-like/triple-negative	Subtype 1	0	1394
Breast Cancer	GSM519787	basal-like/triple-negative	Subtype 1	1	540
Breast Cancer	GSM519793	basal-like/triple-negative	Subtype 2	0	4844
Breast Cancer	GSM519794	basal-like/triple-negative	Subtype 3	0	3190
Breast Cancer	GSM519801	basal-like/triple-negative	Subtype 2	1	934
Breast Cancer	GSM519802	basal-like/triple-negative	Subtype 1	0	3570
Breast Cancer	GSM519803	basal-like/triple-negative	Subtype 2	1	1551
Breast Cancer	GSM519808	basal-like/triple-negative	Subtype 1	0	2259
Breast Cancer	GSM540017	basal-like/triple-negative	Subtype 1	1	1093
Breast Cancer	GSM540018	basal-like/triple-negative	Subtype 1	0	3181
Breast Cancer	GSM540019	basal-like/triple-negative	Subtype 1	1	356
Breast Cancer	GSM540121	basal-like/triple-negative	Subtype 1	0	3913
Breast Cancer	GSM540124	basal-like/triple-negative	Subtype 5	1	436
Breast Cancer	GSM540125	basal-like/triple-negative	Subtype 1	0	1179
Breast Cancer	GSM540130	basal-like/triple-negative	Subtype 2	0	3497
Breast Cancer	GSM540132	basal-like/triple-negative	Subtype 1	0	1102
Breast Cancer	GSM540138	basal-like/triple-negative	Subtype 1	1	337
Breast Cancer	GSM540140	basal-like/triple-negative	Subtype 1	1	328
Breast Cancer	GSM540146	basal-like/triple-negative	Subtype 1	1	961
Breast Cancer	GSM540147	basal-like/triple-negative	Subtype 2	0	334
Breast Cancer	GSM540151	basal-like/triple-negative	Subtype 1	0	2837
Breast Cancer	GSM540156	basal-like/triple-negative	Subtype 1	1	621
Breast Cancer	GSM540164	basal-like/triple-negative	Subtype 3	0	3616
Breast Cancer	GSM540167	basal-like/triple-negative	Subtype 1	1	1656
Breast Cancer	GSM540176	basal-like/triple-negative	Subtype 1	1	671
Breast Cancer	GSM540181	basal-like/triple-negative	Subtype 1	0	3413
Breast Cancer	GSM540183	basal-like/triple-negative	Subtype 1	1	276
Breast Cancer	GSM540186	basal-like/triple-negative	Subtype 1	0	731
Breast Cancer	GSM540195	basal-like/triple-negative	Subtype 2	0	3298
Breast Cancer	GSM540206	basal-like/triple-negative	Subtype 5	0	1540
Breast Cancer	GSM540209	basal-like/triple-negative	Subtype 1	0	3300
Breast Cancer	GSM540214	basal-like/triple-negative	Subtype 4	0	1869
Breast Cancer	GSM540215	basal-like/triple-negative	Subtype 1	0	3046
Breast Cancer	GSM540236	basal-like/triple-negative	Subtype 5	0	2929
Breast Cancer	GSM540237	basal-like/triple-negative	Subtype 1	0	1823
Breast Cancer	GSM540238	basal-like/triple-negative	Subtype 1	1	524
Breast Cancer	GSM540248	basal-like/triple-negative	Subtype 1	0	1468
Breast Cancer	GSM540249	basal-like/triple-negative	Subtype 1	0	2862
Breast Cancer	GSM540254	basal-like/triple-negative	Subtype 1	0	1352
Breast Cancer	GSM540255	basal-like/triple-negative	Subtype 1	0	165
Breast Cancer	GSM540256	basal-like/triple-negative	Subtype 1	0	2036
Breast Cancer	GSM540260	basal-like/triple-negative	Subtype 1	0	2519
Breast Cancer	GSM540261	basal-like/triple-negative	Subtype 1	0	1861
Breast Cancer	GSM540264	basal-like/triple-negative	Subtype 1	0	1415
Breast Cancer	GSM540267	basal-like/triple-negative	Subtype 2	1	475
Breast Cancer	GSM540271	basal-like/triple-negative	Subtype 1	0	1985
Breast Cancer	GSM540276	basal-like/triple-negative	Subtype 1	1	402
Breast Cancer	GSM540281	basal-like/triple-negative	Subtype 1	0	1574
Breast Cancer	GSM540282	basal-like/triple-negative	Subtype 1	0	1723
Breast Cancer	GSM540285	basal-like/triple-negative	Subtype 1	0	1720
Breast Cancer	GSM540288	basal-like/triple-negative	Subtype 1	0	1555
Breast Cancer	GSM540291	basal-like/triple-negative	Subtype 4	0	1228
Breast Cancer	GSM540292	basal-like/triple-negative	Subtype 2	0	1073
Breast Cancer	GSM540294	basal-like/triple-negative	Subtype 1	0	852
Breast Cancer	GSM540302	basal-like/triple-negative	Subtype 1	1	582
Breast Cancer	GSM540304	basal-like/triple-negative	Subtype 1	0	246
Breast Cancer	GSM540307	basal-like/triple-negative	Subtype 1	0	300
Breast Cancer	GSM540331	basal-like/triple-negative	Subtype 1	1	186
Breast Cancer	GSM540348	basal-like/triple-negative	Subtype 1	0	2795
Breast Cancer	GSM540351	basal-like/triple-negative	Subtype 1	1	1081
Breast Cancer	GSM540352	basal-like/triple-negative	Subtype 1	1	1871
Breast Cancer	GSM540353	basal-like/triple-negative	Subtype 3	0	1482
Breast Cancer	GSM540355	basal-like/triple-negative	Subtype 2	0	422
Breast Cancer	GSM540356	basal-like/triple-negative	Subtype 1	0	1634
Breast Cancer	GSM540357	basal-like/triple-negative	Subtype 1	0	1655
Breast Cancer	GSM540359	basal-like/triple-negative	Subtype 1	0	1057
Breast Cancer	GSM540360	basal-like/triple-negative	Subtype 1	0	1126
Breast Cancer	GSM540361	basal-like/triple-negative	Subtype 4	0	1133
Breast Cancer	GSM540362	basal-like/triple-negative	Subtype 1	0	1070
Breast Cancer	GSM540364	basal-like/triple-negative	Subtype 2	0	788
Breast Cancer	GSM540365	basal-like/triple-negative	Subtype 2	0	814
Breast Cancer	GSM540366	basal-like/triple-negative	Subtype 1	1	421
Breast Cancer	GSM540368	basal-like/triple-negative	Subtype 1	0	222
Breast Cancer	GSM540369	basal-like/triple-negative	Subtype 1	0	243
Breast Cancer	GSM540371	basal-like/triple-negative	Subtype 1	1	360
Breast Cancer	GSM540372	basal-like/triple-negative	Subtype 1	0	344
Breast Cancer	GSM540373	basal-like/triple-negative	Subtype 1	0	231
Breast Cancer	GSM1116084	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116085	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116087	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116090	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116091	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116092	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116093	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116094	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116099	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116101	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116102	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116106	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116108	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116109	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116110	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116111	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116112	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116113	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116114	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116115	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116118	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116119	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116120	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116124	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116125	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116128	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116130	basal-like/triple-negative	Subtype 4		
Breast Cancer	GSM1116131	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116135	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116136	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116138	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116139	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116142	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116143	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116144	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116145	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116146	basal-like/triple-negative	Subtype 3		
Breast Cancer	GSM1116147	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116148	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116149	basal-like/triple-negative	Subtype 1		
Breast Cancer	GSM1116150	basal-like/triple-negative	Subtype 1		

Table S3 Summary of the re-annotated probes in different platforms

Platform	Platform type	Platform title	coding gene probes	coding genes	lncRNA probes	lncRNAs
GPL11097	Affymetrix	[Glyco_v4_Hs] Custom Affymetrix Glyco v4 GeneChip	4,774	1,003	21	9
GPL201	Affymetrix	[HG-Focus] Affymetrix Human HG-Focus Target Array	8,455	8,560	41	46
GPL91	Affymetrix	[HG_U95A] Affymetrix Human Genome U95A Array	11,224	8,984	199	188
GPL8300	Affymetrix	[HG_U95Av2] Affymetrix Human Genome U95 Version 2 Array	11,224	8,985	199	188
GPL11060	Affymetrix	[CG_AGPa520460F] Affymetrix Adenoma Biomarker 46K Gene	3,763	1,789	255	218
GPL96	Affymetrix	[HG-U133A] Affymetrix Human Genome U133A Array	19,091	12,762	462	454
GPL3921	Affymetrix	[HT_HG-U133A] Affymetrix HT Human Genome U133A Array	19,091	12,762	462	454
GPL571	Affymetrix	[HG-U133A_2] Affymetrix Human Genome U133A 2.0 Array	19,092	12,768	462	454
GPL10553	Affymetrix	Affymetrix GeneChip Human Genome HG-U133A Custom CDF	19,091	12,762	462	454
GPL13667	Affymetrix	[HG-U219] Affymetrix Human Genome U219 Array	46,022	19,065	1,025	866
GPL15207	Affymetrix	[PrimeView] Affymetrix Human Gene Expression Array	46,022	19,065	1,025	866
GPL16043	Affymetrix	GeneChip® PrimeView™ Human Gene Expression Array (with E	46,022	19,065	1,025	866
GPL92	Affymetrix	[HG_U95B] Affymetrix Human Genome U95B Array	7,794	6,064	1,099	1,066
GPL93	Affymetrix	[HG_U95C] Affymetrix Human Genome U95C Array	5,755	4,528	1,480	1,393
GPL97	Affymetrix	[HG-U133B] Affymetrix Human Genome U133B Array	12,055	8,234	2,654	2,472
GPL16786	Affymetrix	[HuGene-1_0-st] Affymetrix Human Gene 1.0 ST Array [HuGene	65,681	17,987	3,666	2,188
GPL14010	Affymetrix	[HuGene-1_0-st] Affymetrix Human Gene 1.0 ST Array [hugene1	65,681	17,987	3,666	2,188
GPL10739	Affymetrix	[HuGene-1_0-st] Affymetrix Human Gene 1.0 ST Array [probe se	65,681	17,987	3,666	2,188
GPL6244	Affymetrix	[HuGene-1_0-st] Affymetrix Human Gene 1.0 ST Array [transcrip	65,681	17,987	3,666	2,188
GPL15676	Affymetrix	[HG-U133_Plus_2] Affymetrix GeneChip Human Genome U133	34,728	18,174	5,701	4,987
GPL570	Affymetrix	[HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 An	34,728	18,174	5,701	4,987
GPL13916	Affymetrix	[HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 An	34,728	18,174	5,701	4,987
GPL16311	Affymetrix	[HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 An	34,728	18,174	5,701	4,987
GPL16356	Affymetrix	[HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 An	34,728	18,174	5,701	4,987
GPL11084	Affymetrix	Affymetrix GeneChip Human Genome U133 Plus 2.0 Array [CDF	34,728	18,174	5,701	4,987
GPL6791	Affymetrix	Affymetrix GeneChip Human Genome U133 Plus 2.0 Array [CDF	34,728	18,174	5,701	4,987
GPL9419	Affymetrix	Affymetrix GeneChip Human Genome U133 Plus 2.0 Array [CDF	34,728	18,174	5,701	4,987
GPL18756	Affymetrix	Affymetrix HG-U133_PLUS_2[CDF: HGU133Plus2_Hs_ENTRE	34,728	18,174	5,701	4,987
GPL14877	Affymetrix	Affymetrix Human Genome U133 Plus 2.0 Array [Brainarray Ver	34,728	18,174	5,701	4,987
GPL9101	Affymetrix	Affymetrix GeneChip Human Genome U133 Plus 2.0 Array (MB	34,728	18,174	5,701	4,987
GPL7869	Affymetrix	Affymetrix GeneChip Human Genome U133 Plus 2.0 Array [CDF	34,759	18,174	5,701	4,987
GPL9828	Affymetrix	[HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 An	34,728	18,174	5,701	4,987
GPL13158	Affymetrix	[HT_HG-U133_Plus_PM] Affymetrix HT HG-U133+ PM Array I	34,590	18,172	5,721	5,009
GPL1352	Affymetrix	[U133_X3P] Affymetrix Human X3P Array	37,714	18,155	6,329	4,955
GPL22462	Affymetrix	[bMxHERV3b520850] Affymetrix HERVV3 Array	10,693	4,025	9,045	5,321
GPL18990	Affymetrix	[Xcel] Affymetrix Human Almac Xcel Array	56,142	19,406	10,723	7,365
GPL17692	Affymetrix	[HuGene-2_1-st] Affymetrix Human Gene 2.1 ST Array [transcrip	38,843	9,776	32,403	12,652
GPL15236	Affymetrix	[HuEx-1_0-st] Affymetrix Human Exon 1.0 ST Array [CDF: Brai	356,276	19,770	78,641	23,484
GPL10520	Affymetrix	[HuEx-1_0-st] Affymetrix Human Exon 1.0 ST Array [HuEx-1_0-	356,276	19,770	78,641	23,484
GPL17279	Affymetrix	[HuEx-1_0-st] Affymetrix Human Exon 1.0 ST Array [HuEx-1_0-	356,276	19,770	78,641	23,484
GPL5188	Affymetrix	[HuEx-1_0-st] Affymetrix Human Exon 1.0 ST Array [probe set (	356,276	19,770	78,641	23,484
GPL22995	Affymetrix	[HuEx-1_0-st] Affymetrix Human Exon 1.0 ST Array [transcript (	356,276	19,770	78,641	23,484
GPL5175	Affymetrix	[HuEx-1_0-st] Affymetrix Human Exon 1.0 ST Array [transcript (	356,276	19,770	78,641	23,484
GPL10264	Affymetrix	Affymetrix Human Exon 1.0 ST Array [CDF: HuEx_1_0_st_v2_n	356,276	19,770	78,641	23,484
GPL15974	Affymetrix	Human Exon 1.0 ST Array [CDF: Brainarray Version 9.0.1, HsE	356,276	19,770	78,641	23,484
GPL9793	Affymetrix	Affymetrix Human Exon 1.0 ST Array [CDF: HuEx-1_0-st-v2,cor	356,276	19,770	78,641	23,484
GPL17585	Affymetrix	[HTA-2_0] Affymetrix Human Transcriptome Array 2.0 [probe se	375,203	19,722	105,989	20,643
GPL17586	Affymetrix	[HTA-2_0] Affymetrix Human Transcriptome Array 2.0 [transcrip	375,203	19,722	105,989	20,643
GPL7260	Agilent	Agilent-011521 Human 1A Microarray G4110A (Probe Name ver	13,224	13,127	205	215
GPL885	Agilent	Agilent-011521 Human 1A Microarray G4110A (Feature Numbe	13,935	13,127	214	215
GPL9053	Agilent	Agilent-UNC-custom-4X44K	25,821	15,699	228	209
GPL7264	Agilent	Agilent-012097 Human 1A Microarray (V2) G4110B (Probe Nam	15,640	14,611	293	311
GPL887	Agilent	Agilent-012097 Human 1A Microarray (V2) G4110B (Feature Nu	15,640	14,611	293	311
GPL5325	Agilent	Agilent UNC Perou Lab Homo sapiens 1X44K Custom Array	30,069	16,773	1,065	977
GPL16280	Agilent	Agilent Homo sapiens 37K DiscoverPrint_19742	23,769	16,529	2,363	2,283
GPL18348	Agilent	Agilent-021441 NCode Human Long Non-coding RNA microarra	3,570	3,021	2,372	2,223
GPL16233	Agilent	Agilent_human_DiscoverPrint_15746	24,394	16,588	2,464	2,371
GPL6848	Agilent	Agilent-012391 Whole Human Genome Oligo Microarray G4112	23,634	16,542	2,475	2,396
GPL1708	Agilent	Agilent-012391 Whole Human Genome Oligo Microarray G4112	23,634	16,542	2,475	2,396
GPL6480	Agilent	Agilent-014850 Whole Human Genome Microarray 4x44K G411	23,634	16,542	2,475	2,396
GPL4133	Agilent	Agilent-014850 Whole Human Genome Microarray 4x44K G411	23,634	16,542	2,475	2,396
GPL10332	Agilent	Agilent-026652 Whole Human Genome Microarray 4x44K v2 (Fe	23,320	17,924	2,907	2,790
GPL13497	Agilent	Agilent-026652 Whole Human Genome Microarray 4x44K v2 (Pr	23,320	17,924	2,907	2,790
GPL21047	Agilent	Agilent-074348 Human LncRNA v6 4X180K [Probe Name Versio	2,563	2,526	3,010	2,862
GPL13607	Agilent	Agilent-028004 SurePrint G3 Human GE 8x60K Microarray (Fea	23,721	17,950	4,548	3,276
GPL14550	Agilent	Agilent-028004 SurePrint G3 Human GE 8x60K Microarray (Prol	23,721	17,950	4,548	3,276
GPL15931	Agilent	Agilent-029949 Custom SurePrint G3 Human GE 8x60K Microar	23,960	17,970	4,554	3,278
GPL17077	Agilent	Agilent-039494 SurePrint G3 Human GE v2 8x60K Microarray 0	24,198	18,084	9,533	6,816
GPL15314	Agilent	Arraystar Human LncRNA microarray V2.0 (Agilent_033010 Pro	22,980	18,462	9,623	8,790
GPL13825	Agilent	Arraystar Human LncRNA microarray V2.0 (Agilent-033010)	22,980	18,462	9,623	8,790
GPL13648	Agilent	Agilent-021412 nONCOchip_1.0 021253	47,404	17,192	10,006	4,044
GPL16956	Agilent	Agilent-045997 Arraystar human lncRNA microarray V3 (Probe N	11,085	10,119	13,030	9,997
GPL19243	Agilent	Agilent SurePrint G3 CBC lncRNA+mRNA microarray V2.0 (cor	30,917	18,367	13,325	7,593
GPL18109	Agilent	Agilent-038314 CBC Homo sapiens lncRNA + mRNA microarray	30,917	18,367	13,325	7,593
GPL19748	Agilent	Agilent-038314 CBC Homo sapiens lncRNA + mRNA microarray	30,917	18,367	13,325	7,593
GPL21185	Agilent	Agilent-072363 SurePrint G3 Human GE v3 8x60K Microarray 0	24,430	18,101	16,714	12,074
GPL19072	Agilent	Agilent-052909 CBC_lncRNAmRNA_V3 (Probe Name version)	25,195	18,093	21,544	12,465
GPL19612	Agilent	Agilent-062918 OE Human lncRNA Microarray V4.0 028004 [Pr	39,627	18,903	21,718	15,024
GPL17843	Agilent	Agilent-042818 Human lncRNA Micorarray 8_24_v2 [Probe Nam	28,048	18,279	22,210	11,750
GPL20115	Agilent	Agilent-067406 Human CBC lncRNA + mRNA microarray V4.0 (	25,253	18,079	23,585	13,358
GPL6883	Illumina	Illumina HumanRef-8 v3.0 expression beadchip	21,703	16,829	300	311
GPL8432	Illumina	Illumina HumanRef-8 WG-DASL v3.0	21,703	16,829	300	311
GPL6104	Illumina	Illumina humanRef-8 v2.0 expression beadchip	19,444	16,510	386	406
GPL14951	Illumina	Illumina HumanHT-12 WG-DASL V4.0 R2 expression beadchip	24,699	17,496	736	670
GPL6098	Illumina	Illumina humanRef-8 v1.0 expression beadchip	19,071	16,811	1,186	1,267
GPL6947	Illumina	Illumina HumanHT-12 V3.0 expression beadchip	26,460	17,971	2,836	2,771
GPL17518	Illumina	Illumina HumanHT-12_V3_0_R1_Bioconductor_2.11	26,459	17,971	2,836	2,771
GPL6884	Illumina	Illumina HumanWG-6 v3.0 expression beadchip	26,460	17,971	2,836	2,771
GPL10558	Illumina	Illumina HumanHT-12 V4.0 expression beadchip	28,179	18,414	3,013	2,510
GPL6102	Illumina	Illumina human-6 v2.0 expression beadchip	22,021	17,585	3,120	3,083
GPL13376	Illumina	Illumina HumanWG-6 v2.0 expression beadchip	22,020	17,585	3,120	3,083
GPL6370	Illumina	Illumina human-6 v2.0 expression beadchip (extended)	22,020	17,585	3,120	3,083
GPL8068	Others	RIKEN BRC Human 11K Microarray Platform for Sense-AFAS T	444	437	23	22
GPL13128	Others	State Key Lab Homo sapien 2.6K	1,780	1,708	71	75
GPL21494	Others	State Key Laboratory Human lncRNA array 2412	311	268	651	668
GPL8070	Others	RIKEN BRC Human 11k Microarray Platform for Sense-Antisens	2,560	2,306	702	706
GPL3991	Others	Human 3.0 A1	18,161	15,831	753	779
GPL13287	Others	Phalanx Human OneArray [Annotation HOA5 release 1.0]	23,561	18,317	840	813
GPL5049	Others	MLRG Human 21K V12.0	13,322	12,518	1,187	1,216
GPL8926	Others	PC Human Operon 21k v2	13,324	12,520	1,187	1,216
GPL3676	Others	NKI-CMF Homo sapiens 35k oligo array	23,871	16,358	1,952	1,965
GPL13152	Others	Human SMD Print_1360 (hok)	31,807	18,523	2,223	1,899
GPL6699	Others	Print_1437	31,807	18,523	2,223	1,899
GPL5936	Others	HEEBO Human oligo array	32,137	18,537	2,652	2,292
GPL13151	Others	Human SMD Print_1355 (hoq)	32,183	18,561	2,653	2,293
GPL19407	Others	Phalanx Human OneArray (30968 probes)	19,611	17,302	2,984	3,022
GPL22109	Others	NimbleGen Human 100309_AS_human_100426_pz array [MATC	65,210	16,787	16,223	5,409