

Supplementary Table 1. Summary of the 33 cancer types in TCGA and the cases compiled in CAS-viewer.

Type	mRNA expression	DNA methylation	miRNA expression
Platform	Illumina HiSeq	HumanMethylation 450K	Illumina HiSeq
TCGA-BRCA	1093	783	749
TCGA-HNSC	520	528	483
TCGA-LGG	516	516	510
TCGA-THCA	505	507	502
TCGA-PRAD	497	498	491
TCGA-LUAD	515	458	448
TCGA-UCEC	370 ¹	431	398
TCGA-BLCA	408	412	409
TCGA-STAD	415	396	387
TCGA-LIHC	371	377	369
TCGA-LUSC	501	370	336
TCGA-KIRC	531	319	239
TCGA-CESC	305	307	306
TCGA-COAD	285	297	251
TCGA-KIRP	290	275	286
TCGA-SARC	259	261	256
TCGA-ESCA	184	185	182
TCGA-PAAD	178	184	177
TCGA-PCPG	179	179	178
TCGA-TGCT	150	150	149
TCGA-GBM	154	287	566 ³
TCGA-THYM	120	124	124
TCGA-SKCM	103	104	97
TCGA-READ	94	98	89
TCGA-MESO	87	87	87
TCGA-ACC	79	80	79
TCGA-UVM	80	80	80
TCGA-KICH	66	66	65
TCGA-UCS	57	57	56
TCGA-DLBC	48	48	47
TCGA-CHOL	36	36	36
TCGA-OV	304	592 ²	477
TCGA-LAML	123	140	136 ⁴
Total	9423	9232	9045

¹ mRNA expression for this cancer type were compiled with the data generated by the Illumina GA platform. ² DNA methylation for this cancer type were compiled with the data generated by the HumanMethylation27K BeadChip platform. ³ miRNA expression for this cancer type were compiled with the data generated by the Agilent 8 x 15K Human miRNA-specific microarray platform. ⁴ miRNA expression for this cancer type were compiled with the data generated by the Illumina GA platform.