

Supplementary material 1. The dataset information for LUAD-related datasets.

Platform	Dataset	Tumor sample number	Control sample number	PMID
ArrayExpress_Agilent	E-MEXP-2003	2	0	/
	E-MEXP-2004	2	0	/
	E-MTAB-1132	51	112	24299561
	E-MTAB-1790	41	8	/
	E-MTAB-8727	1	0	32245792
GPL10558	GSE83213	11	46	27956437
	GSE29249	3	3	30507050, 22046296
GPL13497	GSE148004	0	25	33076907
	GSE74706	10	18	27197161
	GSE140797	7	7	32792503
GPL14951	GSE62113	14	9	25429762
	GSE46539-GPL14951	23	23	27669169, 26301798
GPL17586	GSE138326	0	58	31619441
	GSE121397	3	3	/
	GSE138682	5	5	32922662
GPL20115	GSE130779	8	8	32869486
	GSE146461	3	8	/
GPL21290	GSE148036	5	15	33097805
	GSE109528	1	0	/
GPL570	GSE118370	6	6	30545439
	GSE130928	0	88	31751151
	GSE33532	40	20	/
	GSE40791	94	100	23187126
	GSE19188	45	65	20421987
	GSE10799	16	3	19208797
	GSE27262	25	25	25277535

	GSE27489	10	10	22588153
	GSE30219	85	14	23698379
	GSE31210	226	20	22080568, 23028479
GPL6244	GSE31552	38	43	25128906
	GSE43458	110	0	23659968
		0		
	GSE80796		196	28376173
GPL6883	GSE63459	33	32	26134223
	GSE46539-GPL6883	92	92	26301798, 27669169
GPL6884	GSE75037	83	83	27354471
				32512502, 24618618,
	GSE32036-GPL6884	71	59	23091115
	GSE32863	58	58	22613842
GPL96	GSE7670	30	28	19337377, 17540040
	GSE10072	58	49	18297132
				18391978, 16843264,
	GSE4824-GPL96	32	3	27199546
GPL962	GSE1037	12	19	15016488, 21737174
	GSE2088	8	11	21737174
TCGA-GTE <sub>x</sub>	GTE <sub>x</sub>	0	288	/
	TCGA	533	59	/
GPL13158	GSE103512	27	3	29133367
GPL6650	GSE11117	13	15	19833826
GPL7015	GSE11969	94	5	16549822, 21465578
GPL91	GSE1987	8	9	17258348
GPL6254	GSE21933	11	11	22691236
GPL6102	GSE32665	87	92	23591868
GPL10153	GSE37759	6	6	23405175
GPL15974	GSE40275	11	43	22912338

GPL6480	GSE51852	4	4	24903339
GPL10999	GSE52248	12	6	24735754
GPL201	GSE6044	10	5	18992152
GPL8432	GSE62949	28	28	25650174
GPL80	GSE68571	86	10	12118244
GPL8300	GSE83227	200	17	11707567
GPL19612	GSE85716	6	6	29127420, 37667322

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