

Supplementary Table 2. The gene expressions and CNV status of the six-gene in LUAD patients

PatientID	sampleID	group	GOLM1	HMMR	CBFA2T3	POSTN	EFNB2	TPSB2
Patient1	P2-41-31-F6	adjacent	Diploid	CNV gain	Diploid	Diploid	Diploid	Diploid
Patient2	P2-41-31-A4	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient3	P2-41-31-G5	adjacent	Diploid	CNV loss	Diploid	CNV loss	CNV loss	Diploid
Patient4	P2-41-31-C3	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient5	P2-41-14-K2	adjacent	CNV loss	Diploid	Diploid	Diploid	Diploid	Diploid
Patient6	P2-41-14-A4	adjacent	Diploid	Diploid	Diploid	Diploid	CNV gain	Diploid
Patient7	P2-41-13-H6	adjacent	Diploid	CNV gain	Diploid	Diploid	Diploid	CNV gain
Patient8	P2-41-13-K4	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient9	P2-42-32-A6	adjacent	Diploid	Diploid	Diploid	Diploid	CNV gain	Diploid
Patient10	P2-42-31-H7	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	CNV gain
Patient11	P2-42-31-K5	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient12	P2-42-31-E10	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient13	P2-42-31-E1	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient14	P2-41-33-C2	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient15	P2-41-33-D1	adjacent	Diploid	Diploid	Diploid	CNV loss	CNV loss	Diploid
Patient16	P2-41-33-D10	adjacent	Diploid	Diploid	Diploid	Diploid	CNV gain	CNV loss
Patient17	P2-41-32-J5	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	CNV loss
Patient18	P2-41-32-B2	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient19	P2-41-32-J1	adjacent	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient20	P2-41-32-K4	adjacent	Diploid	CNV gain	Diploid	Diploid	Diploid	Diploid
Patient1	P2-41-31-F3	tumor	Diploid	CNV gain	Diploid	Diploid	Diploid	Diploid
Patient2	P2-41-31-A1	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient3	P2-41-31-G2	tumor	Diploid	CNV loss	Diploid	CNV loss	CNV loss	Diploid
Patient4	P2-41-31-B10	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient5	P2-41-14-J9	tumor	CNV loss	Diploid	Diploid	Diploid	Diploid	Diploid
Patient6	P2-41-14-A1	tumor	Diploid	Diploid	Diploid	Diploid	CNV gain	Diploid
Patient7	P2-41-13-H3	tumor	Diploid	CNV gain	Diploid	Diploid	Diploid	CNV gain
Patient8	P2-41-13-K1	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient9	P2-42-32-A3	tumor	Diploid	Diploid	Diploid	Diploid	CNV gain	Diploid
Patient10	P2-42-31-H6	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	CNV gain
Patient11	P2-42-31-K4	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient12	P2-42-31-E7	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient13	P2-42-31-D8	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient14	P2-41-33-B9	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient15	P2-41-33-C8	tumor	Diploid	Diploid	Diploid	CNV loss	CNV loss	Diploid
Patient16	P2-41-33-D7	tumor	Diploid	Diploid	Diploid	Diploid	CNV gain	CNV loss
Patient17	P2-41-32-J2	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	CNV loss
Patient18	P2-41-32-A10	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient19	P2-41-32-H8	tumor	Diploid	Diploid	Diploid	Diploid	Diploid	Diploid
Patient20	P2-41-32-K1	tumor	Diploid	CNV gain	Diploid	Diploid	Diploid	Diploid

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PatientID	sampleID	group	GOLM1	HMMR	CBFA2T3	POSTN	EFNB2	TPSB2
Patient1	P2-41-31-F6	adjacent	7.37915	0.26218	10.1782	33.4093	13.6214	42.0096
Patient2	P2-41-31-A4	adjacent	1.99986	0	4.26835	5.63387	4.67713	3.40508
Patient3	P2-41-31-G5	adjacent	1.21086	0	1.1254	0.53861	0.98371	2.83436
Patient4	P2-41-31-C3	adjacent	3.32482	0.0175	12.4439	0.14273	7.65242	2.27743
Patient5	P2-41-14-K2	adjacent	2.41652	0	9.14183	12.4353	10.3612	8.51278
Patient6	P2-41-14-A4	adjacent	5.26212	0.06626	3.96032	8.17389	7.5242	13.3749
Patient7	P2-41-13-H6	adjacent	2.45794	0.22715	7.14626	2.15223	5.06995	3.30025
Patient8	P2-41-13-K4	adjacent	3.36311	0.0984	13.8734	19.8627	14.7129	10.9763
Patient9	P2-42-32-A6	adjacent	8.60317	0.83094	2.6104	17.1113	9.25933	16.7717
Patient10	P2-42-31-H7	adjacent	1.50735	0	2.58523	0.63696	1.14572	4.64626
Patient11	P2-42-31-K5	adjacent	6.18098	0.21204	7.39219	33.2882	23.0293	10.9809
Patient12	P2-42-31-E10	adjacent	44.7881	0.26522	1.28703	17.3039	4.05272	10.5654
Patient13	P2-42-31-E1	adjacent	6.90667	0.32719	4.51257	10.34	17.422	18.8996
Patient14	P2-41-33-C2	adjacent	3.00676	0.18129	3.12535	4.80505	3.70777	1.6851
Patient15	P2-41-33-D1	adjacent	5.77888	0	3.38058	24.6016	21.6872	4.79349
Patient16	P2-41-33-D10	adjacent	5.33499	0	5.75281	8.3798	7.16672	6.532
Patient17	P2-41-32-J5	adjacent	0	0	0	0	0	0
Patient18	P2-41-32-B2	adjacent	2.72271	0	4.28917	17.9483	9.70009	1.59857
Patient19	P2-41-32-J1	adjacent	3.31253	0.18164	5.10965	2.59234	2.90974	1.55053
Patient20	P2-41-32-K4	adjacent	2.58148	0.42802	3.82619	2.61806	9.65981	2.65239
Patient1	P2-41-31-F3	tumor	18.1018	0.13702	2.99962	0.47891	4.29334	0.41588
Patient2	P2-41-31-A1	tumor	0.58077	0	2.47171	0.92276	1.10019	0.61377
Patient3	P2-41-31-G2	tumor	35.8373	3.20938	0.6415	28.379	23.1267	19.0851
Patient4	P2-41-31-B10	tumor	45.503	1.26094	1.15939	13.3687	20.0092	18.7532
Patient5	P2-41-14-J9	tumor	8.47152	1.33069	1.16526	17.1185	1.87698	0
Patient6	P2-41-14-A1	tumor	11.9399	0	3.41299	10.2591	4.65404	3.06697
Patient7	P2-41-13-H3	tumor	13.1131	1.06528	3.091	28.752	2.94364	3.47848
Patient8	P2-41-13-K1	tumor	3.26096	0.02846	15.8082	10.1536	11.6806	4.23225
Patient9	P2-42-32-A3	tumor	9.89035	1.00547	3.46684	6.36972	7.14186	10.4905
Patient10	P2-42-31-H6	tumor	59.6997	3.07474	2.66592	26.5609	5.42127	6.87652
Patient11	P2-42-31-K4	tumor	19.1735	0.11354	3.3928	8.44937	1.92178	3.91992
Patient12	P2-42-31-E7	tumor	31.8765	0.94819	5.08565	73.7854	4.34671	8.81368
Patient13	P2-42-31-D8	tumor	7.75578	0	2.00095	0.96808	2.95401	4.23335
Patient14	P2-41-33-B9	tumor	14.1465	0.9883	0.66638	13.3797	0.61337	0.52494
Patient15	P2-41-33-C8	tumor	22.339	0.7096	2.58263	6.06667	4.17428	0.21415
Patient16	P2-41-33-D7	tumor	5.9207	0.21144	4.1428	38.4293	3.77062	12.7549
Patient17	P2-41-32-J2	tumor	0	0	0	0	0	0
Patient18	P2-41-32-A10	tumor	14.8909	0	0	5.09687	6.26863	16.7206
Patient19	P2-41-32-H8	tumor	0.93883	0.02809	1.71105	2.59867	2.02562	5.12873
Patient20	P2-41-32-K1	tumor	69.4257	1.78889	1.43028	15.0651	10.5868	18.5906