

**Supplementary Table S4.** Co-expressed genes in SKCM and LUAD in Figure 6

1	CASS4	41	ARHGAP30	81	GMFG	121	IL7R	161	NCF1	201	RGL4
2	RBP5	42	TLR10	82	TMEM273	122	MAP4K1	162	CD2	202	ITGAL
3	GCSAM	43	JAML	83	SLAMF1	123	ZNF80	163	IRF8	203	THEMIS
4	LGALS2	44	SEPTIN1	84	RASGRP2	124	FMO2	164	CXCR6	204	PTPN7
5	ZAP70	45	PTGDR	85	FCRL3	125	TBX21	165	HLA-DOB	205	IL18RAP
6	BTG2	46	PIK3CG	86	IKZF3	126	IL10RA	166	CD200R1	206	JCHAIN
7	PTPRCAP	47	NIBAN3	87	ELMO1	127	GAB3	167	ABI3BP	207	CSF2RB
8	SPIB	48	CCL19	88	RGS13	128	TNFRSF13B	168	WDFY4	208	SLAMF6
9	SLA2	49	TESPA1	89	CYTIP	129	KLHL6	169	LY9	209	PTGER4
10	CXCR4	50	IKZF1	90	CLEC17A	130	CD96	170	KCNN3	210	CCR7
11	FGL2	51	TCL1A	91	SCIMP	131	CCDC69	171	BMS1P20	211	CR1
12	CRTAM	52	ZC3H12D	92	ADGRG5	132	CR2	172	FLI1	212	PRDM1
13	CD37	53	CD79A	93	GVINP1	133	LCK	173	ANKRD36B P2	213	KLRB1
14	NCF1C	54	S1PR1	94	CD53	134	TLR9	174	MFNG	214	NLRC3
15	NCF1B	55	GIMAP7	95	RASGRP3	135	TIFAB	175	ITK	215	FGD2
16	PARP15	56	GIMAP1	96	CD247	136	KLRK1	176	CD69	216	P2RY14
17	BTLA	57	FLT3	97	TENT5C	137	PPP1R16B	177	LTA	217	UBASH3 A
18	GPR65	58	DOCK8	98	ITGA8	138	NCR3	178	SIT1	218	ZNF831
19	KBTBD8	59	PLA2G2D	99	PNOC	139	CCR2	179	FAM30A	219	ACAP1
20	PECAM1	60	POU2AF1	100	LRMP	140	TRAF3IP3	180	GGTA1P	220	PTPRC
21	MS4A1	61	MZB1	101	ARHGAP15	141	NUGGC	181	GIMAP6	221	CCR4
22	ADA2	62	GIMAP4	102	P2RY10	142	PRKCQ	182	VNN2	222	IL2RG
23	ADAM6	63	CD28	103	FCRL4	143	FCER2	183	CLEC10A	223	CXCR5
24	DOCK2	64	SPOCK2	104	INMT	144	MEI1	184	TSHR		
25	BTN1A1	65	TBC1D10C	105	P2RX1	145	P2RY8	185	ART4		
26	BANK1	66	SASH3	106	CD48	146	DCANP1	186	GPR18		
27	SPN	67	BIN2	107	GZMK	147	CD27	187	AOAH		
28	CD1D	68	AICDA	108	ITM2A	148	TNFRSF17	188	ZBP1		
29	CNR2	69	CD6	109	VSIR	149	CD226	189	TNFRSF13C		
30	CD244	70	SP140	110	FCRL5	150	S1PR4	190	PCED1B-AS1		
31	SH2D1A	71	EVI2B	111	TRAT1	151	MPEG1	191	ZBTB32		
32	GIMAP8	72	TNFSF8	112	XCR1	152	CD8A	192	CD3E		
33	PLCG2	73	SLC9A9	113	STAP1	153	FGD3	193	PAX5		
34	PLEK	74	CD52	114	ABCD2	154	C5ORF56	194	FCRL1		

35	ARHGAP9	75	NCKAP1L	115	CD5	155	ARHGAP2 5	195	POU2F2
36	SAMD3	76	ADORA2A	116	CD3G	156	AMPD1	196	BLK
37	LAX1	77	RCSD1	117	BTK	157	GIMAP5	197	BEND4
38	C16ORF54	78	RHOH	118	CD180	158	GPR174	198	PIM2
39	PRKCB	79	VPREB3	119	CXORF21	159	FCRL2	199	CD40LG
40	PIK3R5	80	CD19	120	TAGAP	160	RASAL3	200	AGAP2

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