

Table S2 The 298 DEGs in LUAD brain metastasis tissues

Gene	adj.P.Val	logFC	Gene	adj.P.Val	logFC
<i>CCL21</i>	1.03E-09	6.13675	<i>IL6</i>	6.71E-03	2.55919
<i>CCL19</i>	1.14E-07	6.23157	<i>XCL2</i>	6.86E-03	1.33086
<i>TPSAB1</i>	5.49E-06	4.34098	<i>IL15</i>	7.04E-03	1.40591
<i>TNFRSF13B</i>	1.14E-05	2.60617	<i>MEF2C</i>	7.26E-03	1.40047
<i>CD8A</i>	1.14E-05	2.76605	<i>IL11RA</i>	7.30E-03	1.06241
<i>CCL14</i>	2.03E-05	4.42908	<i>CLEC4A</i>	7.35E-03	1.7322
<i>TIGIT</i>	3.12E-05	3.28053	<i>CCR2</i>	7.38E-03	1.98867
<i>A2M</i>	3.12E-05	2.21583	<i>LAIR2</i>	7.83E-03	1.70984
<i>CD48</i>	3.12E-05	2.34755	<i>PSEN1</i>	8.14E-03	-1.01237
<i>ITK</i>	3.12E-05	3.28496	<i>CD1C</i>	8.47E-03	1.55131
<i>CD3E</i>	3.12E-05	2.89406	<i>TNFAIP3</i>	8.86E-03	1.79957
<i>IL2RB</i>	3.12E-05	2.99286	<i>CXCL11</i>	9.04E-03	2.23144
<i>GZMA</i>	3.12E-05	2.46158	<i>IL1R1</i>	9.05E-03	2.01743
<i>SERPING1</i>	3.65E-05	2.36727	<i>FCGR3A</i>	9.05E-03	1.62415
<i>CCL5</i>	3.78E-05	3.11685	<i>GZMB</i>	9.05E-03	1.6223
<i>KIT</i>	5.01E-05	2.38344	<i>IL18RAP</i>	9.10E-03	1.62404
<i>MS4A2</i>	5.52E-05	2.80843	<i>IRAK4</i>	9.10E-03	1.06749
<i>SLAMF1</i>	8.03E-05	2.161	<i>TNFSF12</i>	9.22E-03	1.11411
<i>LTB</i>	8.26E-05	3.40483	<i>PDCD1LG2</i>	9.32E-03	1.19438
<i>CD7</i>	9.30E-05	2.67539	<i>ITGB3</i>	9.77E-03	1.8483
<i>LCK</i>	9.31E-05	2.31341	<i>CD4</i>	9.78E-03	1.54069
<i>GZMK</i>	9.31E-05	2.69494	<i>CD1D</i>	9.78E-03	1.55968
<i>CCR7</i>	1.03E-04	3.08055	<i>CFP</i>	9.78E-03	1.41556
<i>CD3D</i>	1.06E-04	2.41746	<i>NOTCH1</i>	9.78E-03	1.19016
<i>MS4A1</i>	1.06E-04	3.23011	<i>DDX43</i>	1.01E-02	1.51205
<i>LRRN3</i>	1.09E-04	2.97983	<i>IL5RA</i>	1.01E-02	1.15335
<i>TAL1</i>	1.39E-04	2.67194	<i>SF3A3</i>	1.03E-02	0.91717
<i>SH2D1A</i>	1.39E-04	2.20602	<i>TNFRSF11A</i>	1.04E-02	-1.1299
<i>C1R</i>	1.50E-04	2.19531	<i>SELE</i>	1.11E-02	2.09388
<i>CD22</i>	1.65E-04	2.72225	<i>STAT4</i>	1.16E-02	1.52935

<i>IL16</i>	1.69E-04	2.16689	MME	1.17E-02	2.14633
<i>C7</i>	1.74E-04	2.56446	LCP1	1.18E-02	1.62572
<i>TNFRSF4</i>	1.74E-04	2.07076	PRG2	1.19E-02	1.49816
<i>CD27</i>	1.79E-04	2.70876	CD44	1.20E-02	1.52573
<i>TCF7</i>	1.79E-04	2.13109	TNFRSF9	1.20E-02	1.49913
<i>SPN</i>	1.86E-04	2.16946	LILRB3	1.20E-02	1.93037
<i>CD247</i>	2.23E-04	2.28742	CD3G	1.21E-02	1.84915
<i>CD40LG</i>	2.45E-04	2.41857	SMPD3	1.21E-02	1.74399
<i>C6</i>	2.70E-04	2.25003	ITGAX	1.23E-02	1.30141
<i>RRAD</i>	2.70E-04	2.38496	EGR1	1.24E-02	1.53959
<i>CTSG</i>	2.76E-04	2.77331	EGR2	1.29E-02	1.20459
<i>S100A12</i>	2.76E-04	2.43439	CD74	1.32E-02	1.54225
<i>VCAM1</i>	2.76E-04	2.54673	IL10RA	1.41E-02	1.24131
<i>TNFSF14</i>	2.79E-04	2.86261	SPINK5	1.43E-02	1.44486
<i>CD96</i>	2.79E-04	1.98475	TLR7	1.43E-02	1.68681
<i>CD34</i>	3.22E-04	2.03576	CLEC4C	1.46E-02	1.8307
<i>CD79B</i>	3.22E-04	2.69489	PDCD1	1.46E-02	1.47503
<i>TNFRSF8</i>	3.34E-04	2.24834	CD244	1.54E-02	1.48342
<i>IL2RG</i>	3.34E-04	2.58613	CYLD	1.54E-02	1.15978
<i>BTLA</i>	3.45E-04	1.74292	CSF1R	1.61E-02	1.20562
<i>ADORA2A</i>	3.48E-04	1.44832	PTGS2	1.65E-02	2.27205
<i>AKT3</i>	3.48E-04	1.76081	POU2F2	1.65E-02	1.43116
<i>TNFSF13B</i>	3.74E-04	2.27855	GATA3	1.65E-02	1.15885
<i>IL12RB1</i>	3.74E-04	2.30166	IRF1	1.66E-02	1.11681
<i>CD6</i>	3.92E-04	1.97524	IL15RA	1.66E-02	1.12713
<i>CD79A</i>	4.11E-04	3.17922	CMA1	1.66E-02	1.54842
<i>THBS1</i>	4.22E-04	2.25047	NFATC2	1.66E-02	0.93026
<i>CXCR6</i>	4.48E-04	2.23802	TNFSF10	1.66E-02	1.25758
<i>C1S</i>	4.75E-04	2.2363	RORA	1.66E-02	1.82894
<i>CSF2RB</i>	4.90E-04	2.3615	MAF	1.66E-02	1.40508
<i>CCR5</i>	4.94E-04	2.48096	ATM	1.69E-02	1.43256
<i>CXCL12</i>	5.08E-04	1.99295	C8G	1.69E-02	1.20027

<i>JAM3</i>	5.20E-04	2.20801	CARD9	1.72E-02	1.34702
<i>IL34</i>	5.23E-04	1.90491	CEACAM8	1.73E-02	1.22801
<i>ZAP70</i>	5.49E-04	1.76688	NOS2A	1.81E-02	1.27322
<i>CD19</i>	5.80E-04	2.66752	TLR10	1.83E-02	1.35862
<i>CD37</i>	6.29E-04	1.8249	MEFV	1.83E-02	1.4737
<i>CXCL9</i>	6.41E-04	3.63287	CD38	1.87E-02	1.77631
<i>RUNX3</i>	6.41E-04	2.40649	KLRC1	1.94E-02	1.47229
<i>GZMH</i>	6.86E-04	1.97147	CLEC6A	1.94E-02	1.18725
<i>KLRB1</i>	7.02E-04	2.54777	CYBB	1.97E-02	1.52652
<i>ITGAL</i>	7.02E-04	2.2535	HDAC3	1.97E-02	-0.89106
<i>CTLA4</i>	7.03E-04	1.95936	GZMM	2.08E-02	2.17638
<i>PIK3CG</i>	7.21E-04	2.00474	IL26	2.09E-02	1.72259
<i>IL21R</i>	7.66E-04	2.28483	BST1	2.16E-02	1.1112
<i>HLA-DOB</i>	7.66E-04	1.77606	CD2	2.19E-02	1.81653
<i>CFD</i>	7.66E-04	2.19755	FCGR1A	2.20E-02	0.96481
<i>LILRB2</i>	7.76E-04	2.35671	HCK	2.27E-02	1.53294
<i>VEGFC</i>	7.95E-04	2.14677	TFEB	2.30E-02	1.10727
<i>LTF</i>	8.44E-04	3.38447	BTK	2.31E-02	1.50791
<i>IRF8</i>	9.17E-04	1.90286	FOS	2.31E-02	1.27517
<i>ENTPD1</i>	9.53E-04	2.22048	IFNG	2.31E-02	1.46755
<i>IL7R</i>	1.03E-03	2.60657	SPO11	2.31E-02	1.34637
<i>CDH5</i>	1.04E-03	2.01399	IRAK1	2.33E-02	-1.02258
<i>SELL</i>	1.05E-03	1.9692	CAMP	2.34E-02	1.11021
<i>HLA-DRB3</i>	1.05E-03	2.00606	MYD88	2.35E-02	0.89726
<i>CXCR4</i>	1.10E-03	1.91405	AXL	2.44E-02	0.83478
<i>LILRA5</i>	1.13E-03	2.03744	SYCP1	2.44E-02	1.21193
<i>ICOS</i>	1.16E-03	2.25173	HLA-E	2.44E-02	0.86556
<i>SLAMF7</i>	1.20E-03	2.84768	IL18R1	2.44E-02	1.46459
<i>CD200</i>	1.20E-03	1.65254	CCR6	2.44E-02	1.23937
<i>BCL2</i>	1.20E-03	1.84386	DUSP4	2.44E-02	1.72469
<i>FCER1A</i>	1.20E-03	2.87524	MRPS5	2.44E-02	-0.78742
<i>EOMES</i>	1.20E-03	1.75192	TNFSF13	2.44E-02	0.88324

<i>PECAM1</i>	1.20E-03	1.59553	CXCL2	2.50E-02	1.6746
<i>CD1E</i>	1.20E-03	2.01985	TNFSF4	2.60E-02	1.19223
<i>ETS1</i>	1.36E-03	1.55807	TNFRSF17	2.61E-02	1.43909
<i>AMICA1</i>	1.45E-03	2.1445	CD1B	2.62E-02	1.24363
<i>HSD11B1</i>	1.45E-03	2.19575	CD209	2.73E-02	1.76788
<i>CD8B</i>	1.55E-03	1.62764	ELANE	2.73E-02	1.48703
<i>CCL11</i>	1.87E-03	1.76225	FCER1G	2.74E-02	1.08863
<i>DMBT1</i>	1.96E-03	4.79048	KLRF1	2.98E-02	1.28549
<i>MAPK11</i>	1.99E-03	1.62916	MCAM	3.14E-02	1.28799
<i>THY1</i>	1.99E-03	2.24115	MAGEA4	3.17E-02	1.08343
<i>FYN</i>	1.99E-03	1.73375	CCL18	3.21E-02	2.42007
<i>JAK3</i>	2.19E-03	1.75159	ICAM1	3.26E-02	1.16728
<i>LTA</i>	2.19E-03	1.92435	LY9	3.34E-02	1.36436
<i>FUT7</i>	2.30E-03	1.93942	IL1RL1	3.41E-02	1.48545
<i>TNFRSF13C</i>	2.31E-03	1.98016	TNFRSF12A	3.49E-02	-0.97787
<i>C8B</i>	2.52E-03	1.8882	CSF3R	3.51E-02	1.3977
<i>FLT3LG</i>	2.55E-03	1.56669	CDKN1A	3.57E-02	1.00141
<i>CD5</i>	2.77E-03	1.44007	CCR4	3.57E-02	1.03619
<i>CXCR3</i>	2.82E-03	1.78935	ZNF346	3.66E-02	0.62686
<i>CD83</i>	2.82E-03	1.54545	CD46	3.74E-02	-0.70081
<i>PDGFRB</i>	3.00E-03	1.35073	IL22	3.87E-02	1.32888
<i>CXCL13</i>	3.04E-03	2.61033	F2RL1	3.87E-02	-1.45483
<i>POU2AF1</i>	3.08E-03	2.39357	ZKSCAN5	3.95E-02	0.84357
<i>IL32</i>	3.08E-03	2.19768	IL24	4.05E-02	1.21358
<i>PRF1</i>	3.20E-03	2.33292	TNFSF8	4.05E-02	0.89645
<i>KLRK1</i>	3.20E-03	1.3317	TOLLIP	4.05E-02	-0.90135
<i>CTSW</i>	3.55E-03	2.11241	NCR1	4.06E-02	1.37351
<i>CXCR2</i>	3.55E-03	1.96664	NFATC3	4.10E-02	0.77277
<i>PSMB10</i>	3.64E-03	1.31315	LILRB1	4.13E-02	1.199
<i>JAK2</i>	3.69E-03	1.4662	NFKB2	4.20E-02	0.96425
<i>FOXP3</i>	3.69E-03	1.53611	ENG	4.24E-02	1.1333
<i>CD28</i>	3.93E-03	1.7384	TARP	4.26E-02	1.8063

<i>LCN2</i>	4.43E-03	-2.35442	SEMG1	4.26E-02	1.37232
<i>PTPRC</i>	4.62E-03	1.44589	IL12RB2	4.27E-02	1.05894
<i>IFNAR1</i>	4.90E-03	1.026	PASD1	4.29E-02	1.51945
<i>CXCR5</i>	5.01E-03	1.9378	NLRP3	4.30E-02	1.21556
<i>CHIT1</i>	5.01E-03	2.58715	MFGE8	4.31E-02	1.06643
<i>CCL23</i>	5.09E-03	2.00375	PLA2G1B	4.46E-02	1.92775
<i>LAG3</i>	5.20E-03	2.00994	IFNL1	4.47E-02	1.28997
<i>ITGA4</i>	5.29E-03	1.66173	TNFRSF1B	4.48E-02	1.09507
<i>TNFRSF11B</i>	5.35E-03	1.67341	IL1B	4.50E-02	1.62758
<i>SH2D1B</i>	5.45E-03	1.25785	TRAF6	4.50E-02	0.91917
<i>PAX5</i>	5.70E-03	2.22116	ICAM4	4.54E-02	1.40433
<i>KLRG1</i>	5.70E-03	1.71012	CD36	4.55E-02	2.04224
<i>THBD</i>	5.70E-03	1.70114	TLR4	4.56E-02	1.10926
<i>MUC1</i>	5.70E-03	-1.28746	IFNB1	4.56E-02	1.12516
<i>ALCAM</i>	5.87E-03	-1.43752	TNFSF15	4.56E-02	1.23617
<i>FLT3</i>	5.88E-03	1.87424	KLRC2	4.58E-02	1.46818
<i>COL3A1</i>	5.88E-03	2.12998	CD207	4.59E-02	1.54758
<i>C4BPA</i>	5.88E-03	3.14659	HLA-DRA	4.66E-02	1.18177
<i>SLAMF6</i>	6.02E-03	1.63926	PYCARD	4.67E-02	0.99145
<i>LRP1</i>	6.18E-03	1.07496	MAPK8	4.67E-02	0.59249
<i>IRF4</i>	6.18E-03	2.46011	GNLY	4.71E-02	1.47025
<i>IL11</i>	6.19E-03	1.95368	EPCAM	4.73E-02	-0.77294
<i>S100A8</i>	6.33E-03	2.19599	IL17B	4.76E-02	1.2432

Note: DEGs, differentially expressed genes; LUAD, lung adenocarcinoma.