

Table S4. GraphClust. All Marker Genes

allmarkers.gene	p_val	avg_log2FC	pct.1	pct.2	p_val_adj	cluster	allmarkers.gene	p_val	avg_log2FC	pct.1	pct.2	p_val_adj	cluster
LCN2	0	2.50275805	0.879	0.435	0	0	ARG1	0	1.742603531	0.847	0.446	0	10
S100A12	0	2.356524544	0.912	0.463	0	0	FPR1	0	1.663717425	0.737	0.295	0	10
S100A9	0	2.326483137	0.994	0.74	0	0	AC245128.3	0	1.593091327	0.935	0.621	0	10
PGLYRP1	0	2.041269689	0.92	0.49	0	0	CTSG	0	2.524793431	0.659	0.256	0	11
FCN1	0	1.762728083	0.873	0.417	0	0	DEFA4	0	2.148259955	0.902	0.399	0	11
CDA	0	1.754960226	0.828	0.347	0	0	DEFA3	0	2.122397982	0.81	0.411	0	11
S100A8	0	1.101722848	0.996	0.881	0	1	CEACAM6	0	1.898978761	0.867	0.294	0	11
PTX3	0	1.890381859	0.426	0.123	0	1	NUCB2	0	1.87636188	0.915	0.372	0	11
MMP8	0	1.592845644	0.823	0.328	0	1	ANKRD18A	0	1.784660639	0.472	0.11	0	11
LTF	0	1.26783048	0.936	0.65	0	1	IL1B	0	4.279894231	0.825	0.185	0	12
LTA4H	0	1.366775117	0.744	0.455	0	1	SERPINB2	0	4.167988316	0.576	0.063	0	12
HSPH1	0	1.4095033	0.951	0.56	0	1	EREG	0	4.077845578	0.843	0.122	0	12
CCL20	0	3.62002053	0.385	0.101	0	2	CXCL3	0	3.749508335	0.559	0.055	0	12
AC026785.2	0	3.351486496	0.735	0.16	0	2	CXCL2	0	3.64107801	0.749	0.088	0	12
HCAR2	0	3.281660708	0.44	0.077	0	2	THBS1	0	3.593225635	0.394	0.04	0	12
NAMPT	0	3.108868113	0.97	0.448	0	2	TRBC2	0	4.150064869	0.698	0.06	0	13
SAT1	0	3.049781094	0.991	0.694	0	2	CCL5	0	4.139170142	0.48	0.046	0	13
AQP9	0	3.043105354	0.719	0.133	0	2	TRAC	0	3.659245401	0.507	0.029	0	13
DEFA3	0	2.836506462	0.828	0.401	0	3	IL32	0	3.619983774	0.458	0.034	0	13
DEFA4	0	2.528430029	0.878	0.39	0	3	IL7R	0	3.428109143	0.436	0.042	0	13
CTSG	0	2.405999908	0.663	0.247	0	3	TRBC1	0	3.278181334	0.331	0.024	0	13
NUCB2	0	2.30297324	0.936	0.358	0	3	SAMHD1	0	2.943127406	0.737	0.119	0	14
MPO	0	2.179183301	0.816	0.448	0	3	VCAN	0	2.78736478	0.486	0.05	0	14
RNASE2	0	2.017740986	0.927	0.406	0	3	CST3	0	2.730292394	0.683	0.146	0	14
CXCL8	0	3.212731839	0.996	0.589	0	4	CD74	0	2.582161673	0.979	0.414	0	14
PLAUR	0	3.208401142	0.983	0.473	0	4	HLA-DRA	0	2.580139835	0.927	0.185	0	14
G0S2	0	3.047188995	0.989	0.412	0	4	MS4A6A	0	2.517896336	0.641	0.095	0	14
AQP9	0	2.877870044	0.801	0.133	0	4	DNAJB1	7.23034E-21	0.273070387	0.868	0.583	1.36415E-16	15
OSM	0	2.788783669	0.671	0.134	0	4	SPATS2L	3.86634E-26	0.283783847	0.126	0.05	7.29462E-22	15
EDN1	0	2.769098342	0.221	0.018	0	4	NOP56	6.94017E-29	0.264055651	0.238	0.115	1.3094E-24	15
PRTN3	0	4.51003889	0.916	0.265	0	5	BEX1	5.35529E-34	0.322497111	0.234	0.105	1.01038E-29	15

AZU1	0	4.423577826	0.99	0.416	0	5	YDJC	4.06979E-34	0.275101135	0.121	0.041	7.67847E-30	15
ELANE	0	4.271950993	0.989	0.426	0	5	DPP7	1.99131E-34	0.268845755	0.127	0.044	3.757E-30	15
RNASE3	0	2.828413818	0.928	0.281	0	5	TSC22D1	0	2.695980025	0.554	0.048	0	16
CST7	0	2.759810439	0.857	0.259	0	5	CDK6	0	2.448419865	0.768	0.139	0	16
CTSG	0	2.637110905	0.843	0.238	0	5	PRDX2	0	2.40799745	0.526	0.087	0	16
LTF	0	2.208468742	0.981	0.653	0	6	LDHB	0	2.384368226	0.924	0.255	0	16
CAMP	0	2.100060299	0.944	0.507	0	6	NPM1	0	2.374647174	0.961	0.494	0	16
CRISP3	0	2.019736375	0.892	0.363	0	6	GATA2	0	2.321881231	0.47	0.007	0	16
MMP8	0	1.716485074	0.818	0.338	0	6	MNDA	7.49812E-154	1.900046955	0.784	0.609	1.41467E-149	17
CYBB	0	1.558873057	0.93	0.558	0	6	S100A8	1.35275E-139	1.005125938	0.981	0.887	2.55222E-135	17
APMAP	0	1.522614465	0.875	0.579	0	6	ACTB	8.38025E-110	0.659665835	0.983	0.971	1.5811E-105	17
DEFA3	0	2.508226704	0.93	0.401	0	7	FCGR3B	2.35045E-95	2.704745765	0.347	0.133	4.4346E-91	17
MKI67	0	2.492417476	0.767	0.116	0	7	GCA	7.51197E-93	1.27777127	0.751	0.62	1.41728E-88	17
TOP2A	0	2.215351948	0.594	0.092	0	7	CXCR2	2.8611E-89	2.114862687	0.277	0.092	5.39804E-85	17
SMC4	0	1.983057158	0.745	0.186	0	7	HLA-DRA	0	3.928722137	0.942	0.194	0	18
DEFA4	0	1.966964012	0.776	0.402	0	7	CD74	0	3.849450318	0.974	0.422	0	18
RRM2	0	1.952518837	0.512	0.078	0	7	IGHM	0	3.821640144	0.511	0.053	0	18
LCN2	0	2.639300026	0.974	0.453	0	8	MS4A1	0	3.671049526	0.323	0.005	0	18
RETN	0	2.622667363	0.852	0.192	0	8	CD79A	0	3.246891817	0.354	0.018	0	18
S100A9	0	1.898265144	0.998	0.753	0	8	BACH2	0	3.245620595	0.324	0.013	0	18
PGLYRP1	0	1.846928277	0.985	0.509	0	8	APOD	0	7.892061727	0.638	0.015	0	19
CAMP	0	1.772996256	0.97	0.508	0	8	DCN	0	6.988143887	0.8	0.01	0	19
MMP8	0	1.74448834	0.922	0.335	0	8	COL3A1	0	5.894440024	0.469	0.045	0	19
IL7R	0	3.712003758	0.577	0.03	0	9	COL1A2	0	5.871700618	0.687	0.048	0	19
RUNX3	0	3.697786933	0.68	0.114	0	9	CXCL12	0	5.345260604	0.431	0.017	0	19
ATP1B3	0	3.585327558	0.761	0.229	0	9	SPARC	0	5.229083944	0.609	0.084	0	19
ARL4C	0	3.464481864	0.654	0.047	0	9	IGLV1-47	0	6.703872877	0.219	0.005	0	20
SPOCK2	0	3.456564621	0.601	0.029	0	9	JCHAIN	0	6.039656082	0.479	0.035	0	20
CNOT6L	0	3.348925951	0.748	0.173	0	9	IGKV3-20	0	3.683518879	0.205	0.002	0	20
GJB6	0	2.562292184	0.453	0.082	0	10	SLAMF7	0	3.657458503	0.903	0.024	0	20
MMP9	0	2.331976229	0.809	0.263	0	10	SSR4	0	3.601998489	0.934	0.216	0	20
FOS	0	1.864027944	0.904	0.601	0	10	MZB1	0	3.598444907	0.869	0.013	0	20