

**Table S5.** Differentially regulated genes by BeadArray in CD45<sup>+</sup> cells isolated from *HBUS* polyps compared with unaffected proximal cecum, as show in the heat map

ID	Symbol	logFC	AveExpr	t	P-value	Adjusted p-value	B
20201	S100a8	2.371	10.674	7.816	0.001	0.029	0.572
20202	S100a9	2.333	9.586	8.339	0.000	0.026	0.889
107753	Lgals2	2.097	8.946	7.643	0.001	0.029	0.461
18489	Reg3b	1.990	8.742	5.882	0.002	0.047	-0.829
107587	Osr2	1.834	8.228	10.678	0.000	0.022	2.072
11846	Arg1	1.827	8.236	7.423	0.001	0.030	0.317
20730	Spink3	1.553	8.582	7.153	0.001	0.033	0.134
17898	Myl7	1.545	7.983	12.458	0.000	0.022	2.769
20750	Spp1	1.377	7.878	9.729	0.000	0.024	1.634
99709	AI747448	1.248	9.348	6.781	0.001	0.037	-0.130
76905	Lrg1	1.151	9.224	9.578	0.000	0.024	1.559
19695	Reg3g	1.129	7.717	6.258	0.001	0.042	-0.525
11745	Anxa3	1.120	10.805	10.579	0.000	0.022	2.028
231293	Cwh43	1.005	8.995	6.780	0.001	0.037	-0.131
209195	Clic6	1.002	7.846	7.051	0.001	0.033	0.063
12827	Col4a2	1.002	9.165	7.533	0.001	0.030	0.390
353320	Defb37	0.995	7.876	17.268	0.000	0.018	4.085
75604	Tm4sf5	0.979	7.928	18.499	0.000	0.018	4.328
76574	Mfsd2a	0.972	8.774	7.209	0.001	0.032	0.172
12579	Cdkn2b	0.931	8.834	6.179	0.002	0.043	-0.588
14916	Guca2b	0.900	8.765	7.407	0.001	0.031	0.306
112407	Egln3	0.885	9.629	5.701	0.002	0.049	-0.981
93835	Amn	0.849	8.421	6.291	0.001	0.042	-0.500
17474	Clec4d	0.837	8.220	7.247	0.001	0.032	0.199
20300	Ccl25	0.798	7.881	6.929	0.001	0.035	-0.023
106407	Slc51a	0.773	10.550	7.270	0.001	0.032	0.214
17965	Nbl1	0.762	8.380	7.061	0.001	0.033	0.070
15439	Hp	0.740	7.950	8.562	0.000	0.025	1.018
66166	S100a14	0.739	8.771	9.448	0.000	0.024	1.494
78354	2210407C18Rik	0.712	7.727	7.591	0.001	0.030	0.427
110310	Krt7	0.701	9.041	6.754	0.001	0.037	-0.149
69524	Esam	0.688	9.566	7.265	0.001	0.032	0.211
74144	Robo4	0.682	8.440	8.513	0.000	0.025	0.990
20443	St3gal4	0.673	7.964	5.910	0.002	0.047	-0.806
22264	Prap1	0.672	8.077	6.797	0.001	0.037	-0.118
20194	S100a10	0.668	9.647	8.461	0.000	0.025	0.960
14869	Gstp2	0.660	9.694	7.262	0.001	0.032	0.209
18132	Notch4	0.655	8.352	12.247	0.000	0.022	2.693
20186	Nr1h4	0.649	9.720	10.124	0.000	0.024	1.822
58804	Cdc42ep5	0.642	9.129	8.530	0.000	0.025	1.000
14860	Gsta4	0.642	8.797	6.483	0.001	0.039	-0.351
218138	Gmcs	0.642	11.930	8.814	0.000	0.025	1.159

Table S5

ID	Symbol	logFC	AveExpr	t	P-value	Adjusted p-value	B
110075	Bmp3	0.641	7.574	16.319	0.000	0.019	3.875
22371	Vwf	0.635	9.513	11.981	0.000	0.022	2.596
16181	Il1rn	0.634	8.668	6.588	0.001	0.038	-0.272
16664	Krt14	0.627	7.554	6.047	0.002	0.045	-0.694
16669	Krt19	0.626	11.787	9.255	0.000	0.024	1.395
105732	Fam83h	0.626	8.464	5.725	0.002	0.049	-0.961
11752	Anxa8	0.624	7.719	11.455	0.000	0.022	2.394
223227	Sox21	0.619	7.743	5.776	0.002	0.048	-0.918
74747	Ddit4	0.612	10.122	8.442	0.000	0.025	0.949
16009	Igfbp3	0.608	8.004	7.694	0.001	0.029	0.494
12709	Ckb	0.603	11.449	12.040	0.000	0.022	2.618
192897	Itgb4	0.598	10.430	10.651	0.000	0.022	2.060
14776	Gpx2	0.596	12.311	10.721	0.000	0.022	2.090
67860	S100a16	0.594	8.265	6.143	0.002	0.044	-0.616
67800	Dgat2	0.592	9.926	6.551	0.001	0.039	-0.300
76282	Gpt	-0.587	9.014	-14.745	0.000	0.022	3.479
14991	H2-M3	-0.588	8.678	-11.052	0.000	0.022	2.230
13849	Ephx1	-0.588	8.229	-12.320	0.000	0.022	2.720
12493	Cd37	-0.595	7.546	-8.662	0.000	0.025	1.075
14605	Tsc22d3	-0.596	8.957	-10.068	0.000	0.024	1.796
71704	Arhgef3	-0.598	10.306	-7.748	0.001	0.029	0.529
12010	B2m	-0.599	13.171	-9.867	0.000	0.024	1.700
14127	Fcer1g	-0.601	11.400	-6.669	0.001	0.037	-0.212
16421	Itgb7	-0.604	8.234	-6.430	0.001	0.040	-0.392
66940	Shisa5	-0.604	9.541	-8.165	0.000	0.027	0.786
22324	Vav1	-0.608	8.963	-12.160	0.000	0.022	2.662
17084	Ly86	-0.610	9.707	-6.051	0.002	0.045	-0.691
16825	Ldb1	-0.610	10.703	-8.189	0.000	0.027	0.800
104175	Sbk1	-0.615	8.399	-5.717	0.002	0.049	-0.968
12988	Csk	-0.634	9.437	-15.692	0.000	0.020	3.725
54354	Rassf5	-0.646	8.891	-6.413	0.001	0.040	-0.405
100041504	LOC100041504	-0.647	8.294	-7.745	0.001	0.029	0.527
74015	Fcho1	-0.667	8.513	-7.847	0.001	0.029	0.591
13421	Dnase1l3	-0.672	8.283	-7.632	0.001	0.029	0.454
12268	C4b	-0.675	8.431	-5.743	0.002	0.049	-0.946
239743	Klhl6	-0.680	8.456	-10.615	0.000	0.022	2.044
235442	Rab8b	-0.682	9.925	-7.275	0.001	0.032	0.218
27219	Sgk2	-0.693	8.047	-9.101	0.000	0.024	1.314
171207	Arhgap4	-0.695	8.447	-7.502	0.001	0.030	0.369
16797	Lat	-0.702	7.923	-8.004	0.000	0.028	0.688
103551	E130012A19Rik	-0.704	9.336	-8.944	0.000	0.025	1.230
16994	Ltb	-0.710	7.947	-17.867	0.000	0.018	4.207
16792	Laptn5	-0.717	12.887	-5.940	0.002	0.047	-0.781
21940	Cd27	-0.718	7.746	-5.695	0.002	0.049	-0.987
23880	Fyb	-0.737	8.543	-8.132	0.000	0.027	0.766

Table S5

ID	Symbol	logFC	AveExpr	t	P-value	Adjusted p-value	B
18227	Nr4a2	-0.746	7.864	-5.871	0.002	0.047	-0.838
16407	Itgae	-0.749	8.338	-8.096	0.000	0.028	0.744
54563	Nup210	-0.750	10.412	-6.191	0.002	0.043	-0.578
321019	Gpr183	-0.752	8.282	-6.072	0.002	0.045	-0.673
11749	Anxa6	-0.773	8.869	-6.087	0.002	0.045	-0.662
259277	Klk8	-0.780	8.044	-8.054	0.000	0.028	0.719
74096	Hvcn1	-0.781	7.963	-10.697	0.000	0.022	2.080
16498	Kcnab2	-0.783	8.359	-17.093	0.000	0.018	4.048
12458	Ccr6	-0.785	7.966	-8.398	0.000	0.025	0.923
246177	Myo1g	-0.787	8.719	-6.476	0.001	0.039	-0.356
246256	Fcgr4	-0.789	10.504	-11.244	0.000	0.022	2.309
19354	Rac2	-0.797	8.445	-7.124	0.001	0.033	0.114
320484	Rasal3	-0.798	8.392	-12.553	0.000	0.022	2.802
16428	Itk	-0.810	7.860	-7.809	0.001	0.029	0.567
23900	Hcst	-0.810	8.334	-7.503	0.001	0.030	0.370
55932	Gbp3	-0.814	8.390	-5.891	0.002	0.047	-0.821
14990	H2-M2	-0.832	10.497	-6.272	0.001	0.042	-0.514
21355	Tap2	-0.832	9.625	-9.036	0.000	0.025	1.279
19260	Ptpn22	-0.834	8.085	-5.802	0.002	0.048	-0.896
18829	Ccl21a	-0.842	8.685	-6.471	0.001	0.039	-0.361
18751	Prkcb	-0.842	8.408	-9.033	0.000	0.025	1.277
22163	Tnfrsf4	-0.845	8.401	-5.785	0.002	0.048	-0.910
65256	Asb2	-0.846	9.343	-8.326	0.000	0.026	0.882
74131	Sash3	-0.848	8.795	-6.028	0.002	0.045	-0.709
56504	Srpk3	-0.865	7.629	-6.376	0.001	0.041	-0.433
15001	H2-Oa	-0.868	7.985	-8.684	0.000	0.025	1.086
20249	Scd1	-0.869	8.777	-10.956	0.000	0.022	2.190
18749	Prkacb	-0.882	10.247	-20.676	0.000	0.018	4.694
382045	Gpr114	-0.898	9.499	-5.820	0.002	0.048	-0.881
223697	Sun2	-0.900	9.014	-9.212	0.000	0.024	1.372
98267	Stk17b	-0.905	9.942	-11.098	0.000	0.022	2.249
21838	Thy1	-0.912	9.022	-8.806	0.000	0.025	1.155
12481	Cd2	-0.919	7.885	-9.480	0.000	0.024	1.510
66995	Zcchc18	-0.925	8.102	-7.537	0.001	0.030	0.392
60533	Cd274	-0.934	9.167	-5.851	0.002	0.048	-0.855
23833	Cd52	-0.953	11.429	-6.961	0.001	0.035	0.000
107321	Lpxn	-1.021	9.061	-9.388	0.000	0.024	1.463
58210	Sectm1b	-1.031	10.220	-9.342	0.000	0.024	1.440
57276	Vsig2	-1.059	8.755	-10.821	0.000	0.022	2.133
16643	Klrd1	-1.070	8.333	-9.223	0.000	0.024	1.378
231931	Gimap6	-1.071	9.087	-8.759	0.000	0.025	1.128
15000	H2-DMb2	-1.095	8.091	-11.599	0.000	0.022	2.451
12511	Cd6	-1.114	8.379	-7.583	0.001	0.030	0.422
227929	Cytip	-1.176	10.768	-8.048	0.000	0.028	0.715
72082	Cyp2c55	-1.189	12.035	-13.087	0.000	0.022	2.982

Table S5

ID	Symbol	logFC	AveExpr	t	P-value	Adjusted p-value	B
108995	Tbc1d10c	-1.197	9.486	-9.698	0.000	0.024	1.618
54215	Cd160	-1.217	7.945	-6.637	0.001	0.038	-0.236
231932	Gimap7	-1.234	8.250	-9.513	0.000	0.024	1.526
50778	Rgs1	-1.263	9.902	-5.781	0.002	0.048	-0.913
20621	Snn	-1.269	8.590	-6.949	0.001	0.035	-0.009
20715	Serpina3g	-1.269	9.555	-9.742	0.000	0.024	1.640
16818	Lck	-1.299	8.706	-11.977	0.000	0.022	2.594
12500	Cd3d	-1.312	9.003	-8.260	0.000	0.026	0.843
110168	Gpr18	-1.323	8.271	-8.894	0.000	0.025	1.203
20887	Sult1a1	-1.348	10.027	-8.593	0.000	0.025	1.035
13041	Ctsw	-1.424	8.585	-7.048	0.001	0.033	0.061
11833	Aqp8	-1.426	11.179	-12.123	0.000	0.022	2.648
12351	Car4	-1.440	8.568	-6.274	0.001	0.042	-0.513
20230	Satb1	-1.444	8.858	-16.895	0.000	0.018	4.005
12501	Cd3e	-1.474	8.964	-8.875	0.000	0.025	1.193
12526	Cd8b1	-1.540	8.377	-6.041	0.002	0.045	-0.699
12502	Cd3g	-1.572	9.221	-10.657	0.000	0.022	2.062
72310	Nkg7	-1.839	8.561	-6.080	0.002	0.045	-0.667
12515	Cd69	-1.856	9.200	-8.414	0.000	0.025	0.933
69169	Faim3	-2.450	8.623	-8.613	0.000	0.025	1.047
20304	Ccl5	-2.749	9.957	-10.849	0.000	0.022	2.145
10134	Rsad2	-0.862	8.463	-5.239	0.004	0.048	-1.832
3360	Cxcr4	-0.866	8.994	-6.710	0.002	0.029	-0.663
4395	Ets1	-0.872	9.590	-15.312	0.000	0.011	3.188
6280	Klhl6	-0.874	9.097	-17.311	0.000	0.010	3.695
12978	Zcchc18	-0.885	8.102	-22.703	0.000	0.009	4.700
3529	Nxpe4	-0.888	7.904	-6.460	0.002	0.032	-0.845
1526	Arhgdib	-0.893	10.067	-14.699	0.000	0.011	3.013
11151	Srpk3	-0.897	7.629	-9.406	0.000	0.019	0.962
5756	Hvcn1	-0.900	8.124	-18.390	0.000	0.009	3.934
6819	Lpxn	-0.907	9.061	-10.931	0.000	0.016	1.674
3361	Cxcr5	-0.921	7.628	-11.884	0.000	0.014	2.063
4901	Gbp1	-0.948	8.309	-13.893	0.000	0.012	2.767
6301	Klrd1	-0.985	8.333	-9.258	0.000	0.019	0.886
4976	Gimap6	-1.005	9.087	-13.849	0.000	0.012	2.753
2881	Ctca3	-1.010	9.039	-10.208	0.000	0.017	1.352
6074	Itgae	-1.040	9.457	-10.013	0.000	0.018	1.260
10354	Sectm1b	-1.050	10.220	-15.281	0.000	0.011	3.179
5386	H2-Ob	-1.057	7.904	-7.507	0.001	0.025	-0.123
2605	Cd79b	-1.062	7.965	-8.333	0.001	0.021	0.380
3435	Cytip	-1.068	10.768	-8.092	0.001	0.022	0.239
2532	Cd160	-1.071	7.945	-5.708	0.003	0.041	-1.433
2559	Cd27	-1.073	8.203	-7.936	0.001	0.023	0.145
5378	H2-DMb2	-1.074	8.091	-26.161	0.000	0.009	5.154
9005	Pou2af1	-1.078	8.488	-6.791	0.001	0.029	-0.606

Table S5

ID	Symbol	logFC	AveExpr	t	P-value	Adjusted p-value	B
4618	Fcrla	-1.090	8.006	-13.511	0.000	0.012	2.643
4977	Gimap7	-1.102	8.250	-8.265	0.001	0.021	0.341
3403	Cyp2c55	-1.111	12.035	-26.931	0.000	0.009	5.240
10420	Serpina3g	-1.112	9.555	-19.221	0.000	0.009	4.103
11462	Tbc1d10c	-1.129	9.486	-9.287	0.000	0.019	0.901
2770	Ces1d	-1.129	9.768	-10.504	0.000	0.016	1.487
2573	Cd3d	-1.154	9.003	-7.201	0.001	0.027	-0.324
6405	Lck	-1.161	8.706	-11.367	0.000	0.015	1.857
2510	Ccr6	-1.166	8.360	-24.890	0.000	0.009	5.001
6929	Ly6g6c	-1.184	8.854	-12.592	0.000	0.013	2.327
5186	Gpr18	-1.220	8.271	-13.025	0.000	0.012	2.480
3311	Ctsw	-1.246	8.585	-6.385	0.002	0.032	-0.901
10951	Snn	-1.265	8.590	-15.735	0.000	0.011	3.302
2595	Cd6	-1.274	8.941	-6.718	0.002	0.029	-0.658
10524	Sh2d2a	-1.281	8.900	-6.244	0.002	0.034	-1.007
2574	Cd3e	-1.305	8.964	-8.028	0.001	0.022	0.201
10294	Sct	-1.318	10.549	-12.656	0.000	0.012	2.350
12727	Vsig2	-1.321	9.286	-34.379	0.000	0.009	5.873
11320	Sult1a1	-1.332	10.027	-18.146	0.000	0.009	3.881
1469	Aqp8	-1.353	11.155	-12.183	0.000	0.013	2.177
995	Actg2	-1.358	8.521	-8.180	0.001	0.022	0.291
10239	Satb1	-1.359	8.858	-15.497	0.000	0.011	3.238
2576	Cd3g	-1.393	9.221	-9.355	0.000	0.019	0.936
2344	Car4	-1.464	8.568	-7.318	0.001	0.026	-0.246
12805	Wfdc2	-1.501	9.084	-9.402	0.000	0.019	0.960
2600	Cd69	-1.631	9.200	-7.201	0.001	0.027	-0.324
2614	Cd8b1	-1.782	9.038	-6.026	0.002	0.037	-1.177
9796	Retnla	-1.812	8.722	-6.596	0.002	0.030	-0.746
2482	Ccl5	-2.336	9.957	-9.064	0.000	0.019	0.785
4474	Faim3	-2.500	8.623	-13.540	0.000	0.012	2.653