

Genes differentially expressed in IB-HBEC versus NHBEC						Expression of genes induced by IB-HBEC after cumate removal				
gene	value_1 (NHBEC)	value_2 (P5 IB-HBEC)	log2(fold_c	p_value	q_value	value_1 (NHBEC)	value_2 (P6 IB-HBEC)	log2(fold_change)	p_value	q_value
NES	0.0192933	7.7599	8.65179	5.00E-05	0.010503	0.0193062	5.90605	8.25699	0.1106	0.984969
S100A7	6.31587	1458.18	7.85097	5.00E-05	0.010503	6.32198	197.599	4.96605	5.00E-05	0.012659
TSPAN18	0.0370288	4.89613	7.04685	5.00E-05	0.010503	0.037036	3.73352	6.65546	5.00E-05	0.012659
NTRK1	0.0108729	0.706975	6.02285	5.00E-05	0.010503	0.0108621	0.817105	6.23314	5.00E-05	0.012659
CLCA4	11.2783	0.307644	-5.19615	5.00E-05	0.010503	11.2646	1.17918	-3.25594	0.02025	0.539998
BMI1,COM	80.1728	2732.29	5.09086	5.00E-05	0.010503	80.2875	1842.5	4.52035	5.00E-05	0.012659
AC005702.	27.7979	0.826595	-5.07165	5.00E-05	0.010503	27.874	53.8415	0.949798	0.17305	0.999805
KRT13	84.3112	3.33608	-4.6595	5.00E-05	0.010503	84.4288	3.91586	-4.43033	5.00E-05	0.012659
KRT4	75.6637	3.07021	-4.6232	5.00E-05	0.010503	75.6669	2.39203	-4.98335	5.00E-05	0.012659
MSMB	8.74436	0.425313	-4.36175	5.00E-05	0.010503	8.74162	0.549156	-3.99261	5.00E-05	0.012659
ANPEP	2.15162	43.0028	4.32093	5.00E-05	0.010503	2.15314	42.9713	4.31886	5.00E-05	0.012659
B4GALNT1	0.0874094	1.57088	4.16764	5.00E-05	0.010503	0.0874692	2.13916	4.61213	5.00E-05	0.012659
COL8A2	0.691128	11.6785	4.07875	5.00E-05	0.010503	0.691476	9.8366	3.83041	5.00E-05	0.012659
NDN	4.438	0.277701	-3.9983	5.00E-05	0.010503	4.45063	0.735165	-2.59787	0.00065	0.080339
ATP12A	21.6595	1.3766	-3.97582	5.00E-05	0.010503	21.645	0.358351	-5.91652	0.0011	0.105931
CA14	0.34723	5.12656	3.88403	5.00E-05	0.010503	0.348128	0.679813	0.965519	0.2345	0.999805
HEPHL1	3.66907	52.0397	3.82613	5.00E-05	0.010503	3.67198	27.2965	2.89409	5.00E-05	0.012659
INA	0.335724	4.49078	3.74162	5.00E-05	0.010503	0.336042	1.92013	2.5145	0.04025	0.711656
CYP1A1	1.91604	24.6229	3.6838	5.00E-05	0.010503	1.92128	4.34445	1.17711	0.0996	0.959743
LAPTM5	0.389588	4.8259	3.63078	5.00E-05	0.010503	0.390704	3.9025	3.32025	0.00045	0.063068
KIAA1462	0.0461709	0.564562	3.61208	5.00E-05	0.010503	0.0461883	1.19921	4.69842	0.00825	0.339896
RLTPR	0.0737813	0.860168	3.54329	5.00E-05	0.010503	0.0739265	0.758318	3.35864	5.00E-05	0.012659
CRNN	29.2379	2.61269	-3.48423	5.00E-05	0.010503	29.2099	1.2575	-4.53782	0.00385	0.22466
RASL10B	0.230923	2.4296	3.39524	5.00E-05	0.010503	0.231059	2.49115	3.43048	0.08525	0.928995
APBB1	0.519621	5.4506	3.39088	5.00E-05	0.010503	0.521703	6.11378	3.55076	5.00E-05	0.012659
RPLP0P2	1.47243	14.1601	3.26557	5.00E-05	0.010503	1.47263	6.26205	2.08824	0.0011	0.105931
PI3	148.743	1400.2	3.23475	5.00E-05	0.010503	148.711	199.319	0.422564	0.36125	0.999805
LPO	0.0451533	0.417383	3.20847	5.00E-05	0.010503	0.0451556	0.344028	2.92955	1	1
CPNE7	1.19506	10.9945	3.20163	5.00E-05	0.010503	1.19674	10.9793	3.1976	5.00E-05	0.012659
ALOX5AP	1.00962	8.90494	3.1408	5.00E-05	0.010503	1.0102	11.8513	3.55233	0.0202	0.539998
SPRR2A,SP	234.81	2035.99	3.11617	5.00E-05	0.010503	234.73	389.756	0.731565	0.15055	0.999805
SH2D2A	3.07203	25.8117	3.07076	5.00E-05	0.010503	3.0766	32.6821	3.40909	5.00E-05	0.012659
ALDH3A1	81.8035	9.9525	-3.03903	5.00E-05	0.010503	81.9681	6.55422	-3.64457	5.00E-05	0.012659
METTL7A	1.07844	0.133338	-3.01578	5.00E-05	0.010503	1.08382	0.395951	-1.45274	0.1294	0.999805
MEG3	14.1777	108.718	2.9389	5.00E-05	0.010503	14.1832	67.8196	2.25752	5.00E-05	0.012659
SLC43A1	0.789979	6.03966	2.93458	5.00E-05	0.010503	0.791275	4.2085	2.41106	0.0002	0.036934
BMF	0.193871	1.4716	2.92421	5.00E-05	0.010503	0.194108	0.907047	2.22432	0.00065	0.080339
PGBD5	1.10297	8.27903	2.90807	5.00E-05	0.010503	1.10711	13.4654	3.60439	5.00E-05	0.012659
PADI1	12.6858	1.73549	-2.8698	5.00E-05	0.010503	12.6715	2.13545	-2.56898	0.0004	0.05868
NID1	0.662434	4.62627	2.804	5.00E-05	0.010503	0.662958	6.09275	3.2001	0.001	0.101271
FAM155B	0.978	6.02616	2.62333	5.00E-05	0.010503	0.976689	1.84611	0.918519	0.18425	0.999805

SORL1	4.51348	27.2468	2.59377	5.00E-05	0.010503	4.52361	30.8992	2.77202	5.00E-05	0.012659
MPP2	0.142374	0.828236	2.54036	5.00E-05	0.010503	0.142705	0.916742	2.68348	5.00E-05	0.012659
S100A12	7.71282	43.33	2.49004	5.00E-05	0.010503	7.72159	20.9487	1.43989	0.05755	0.820911
PDE2A	1.14268	6.21391	2.44307	5.00E-05	0.010503	1.14355	6.75874	2.56323	5.00E-05	0.012659
PDZK1IP1	10.3089	55.9708	2.44078	5.00E-05	0.010503	10.3171	35.6055	1.78706	0.0021	0.149835
EFNB3	0.49411	2.66525	2.43137	5.00E-05	0.010503	0.495103	3.16893	2.67819	0.0012	0.111458
CHRNB4	0.151409	0.786622	2.37722	5.00E-05	0.010503	0.151799	0.755881	2.316	0.001	0.101271
FAM13C	0.406362	0.0786104	-2.36998	5.00E-05	0.010503	0.406884	0.184998	-1.13711	1	1
IL27RA	1.14666	5.80421	2.33967	5.00E-05	0.010503	1.14891	4.87313	2.08458	0.01115	0.397752
COL9A2	0.171426	0.841951	2.29615	5.00E-05	0.010503	0.171726	0.705729	2.03901	0.0001	0.022424
NTM	8.25387	40.048	2.27859	5.00E-05	0.010503	8.2695	36.5386	2.14355	5.00E-05	0.012659
CDH11	9.0652	41.6315	2.19927	5.00E-05	0.010503	9.08508	33.4411	1.88005	5.00E-05	0.012659
SYT7	4.91909	22.0193	2.16231	5.00E-05	0.010503	4.92333	13.9703	1.50465	0.00145	0.123031
AKR1C2	447.488	100.22	-2.15868	5.00E-05	0.010503	447.575	61.4628	-2.86434	5.00E-05	0.012659
RAP1GAP	1.33771	5.91377	2.14431	5.00E-05	0.010503	1.33831	5.77116	2.10845	0.0001	0.022424
GDPD5	0.570425	2.5173	2.14177	5.00E-05	0.010503	0.571706	4.55666	2.99463	5.00E-05	0.012659
FAM43A	0.599617	2.62068	2.12783	5.00E-05	0.010503	0.599469	1.77875	1.56911	0.0357	0.680903
TP53I11	4.98548	21.3068	2.09551	5.00E-05	0.010503	4.99174	21.0821	2.07841	5.00E-05	0.012659
KIF21B	0.746251	3.08667	2.04832	5.00E-05	0.010503	0.74721	2.35991	1.65915	0.0042	0.235455
GPRC5A	97.3854	24.3782	-1.99811	5.00E-05	0.010503	97.4439	39.8315	-1.29066	0.0142	0.450298
CTB-50L17	0.69658	2.77131	1.99221	5.00E-05	0.010503	0.697036	1.58384	1.18412	0.044	0.738732
S100A8	1569.15	6188.31	1.97956	5.00E-05	0.010503	1571.51	4179.36	1.41113	0.00025	0.041747
ECM1	101.041	27.1162	-1.89771	5.00E-05	0.010503	101.019	27.42	-1.88133	0.00015	0.030187
PTPRS	1.23661	4.45004	1.84743	5.00E-05	0.010503	1.23782	5.17579	2.06397	5.00E-05	0.012659
RAB11FIP4	15.2089	4.51578	-1.75187	5.00E-05	0.010503	15.3105	4.83632	-1.66254	0.00105	0.103659
ROBO3	10.9677	36.6311	1.7398	5.00E-05	0.010503	10.9821	26.4766	1.26957	0.00085	0.090765
ALDH1L2	10.3829	34.4268	1.72932	5.00E-05	0.010503	10.3875	24.531	1.23976	0.00455	0.242106
DDC8,TIMF	10.483	34.4969	1.71841	5.00E-05	0.010503	10.4824	44.7312	2.09331	5.00E-05	0.012659
CTSH	174.42	53.5968	-1.70235	5.00E-05	0.010503	174.463	50.0279	-1.80211	0.0001	0.022424
EMP1	54.4101	17.586	-1.62944	5.00E-05	0.010503	54.4413	28.0058	-0.958974	0.0186	0.517667
S100A9	2020.03	6211.02	1.62045	5.00E-05	0.010503	2022.37	4321.35	1.09544	0.00625	0.288548
TXNIP	152.043	447.432	1.55719	5.00E-05	0.010503	152.355	454.147	1.57572	0.0001	0.022424
KRT15,KRT	1491.58	559.633	-1.41428	5.00E-05	0.010503	1494.85	895.816	-0.738725	0.042	0.722888
KRT24	4.03622	0.357458	-3.49716	0.0001	0.01974	4.0473	0.117307	-5.1086	0.13805	0.999805
OLFM2	1.5095	11.9014	2.97899	0.0001	0.01974	1.51121	19.7893	3.71095	5.00E-05	0.012659
ARRB1	0.315863	1.52782	2.2741	0.0001	0.01974	0.316056	1.71665	2.44135	0.00045	0.063068
COL4A2	17.4517	57.5416	1.72123	0.0001	0.01974	17.4879	68.1267	1.96186	5.00E-05	0.012659
HSPA8	1581.43	628.495	-1.33125	0.0001	0.01974	1581.5	589.494	-1.42374	0.00015	0.030187
C14orf132	0.178953	0.942726	2.39726	0.00015	0.027007	0.179301	1.38352	2.94789	5.00E-05	0.012659
FBLN5	0.417206	2.02081	2.2761	0.00015	0.027007	0.417977	2.35445	2.49389	0.00025	0.041747
PGLYRP3,P	5.4303	26.2638	2.27397	0.00015	0.027007	5.44293	15.3355	1.49442	0.01025	0.383126
CERS4	2.21418	9.94999	2.16793	0.00015	0.027007	2.21566	10.1469	2.19524	5.00E-05	0.012659
E2F7	4.20789	16.8982	2.0057	0.00015	0.027007	4.21243	11.3292	1.42732	0.00405	0.231174

PALMD	9.78952	2.52921	-1.95255	0.00015	0.027007	9.80342	8.537	-0.199556	0.6903	0.999805
SAA1	131.163	501.915	1.93608	0.00015	0.027007	131.363	800.994	2.60823	5.00E-05	0.012659
SERPINB13	17.1639	5.28568	-1.69922	0.00015	0.027007	17.1794	4.95905	-1.79255	0.00045	0.063068
IL23R	1.94779	0.224844	-3.11484	0.0002	0.033099	1.94663	2.25439	0.211762	0.8013	0.999805
SERPINB4	4.76397	30.8572	2.69537	0.0002	0.033099	4.7681	5.14931	0.110962	0.88815	0.999805
KIAA1614	0.149625	0.938416	2.64888	0.0002	0.033099	0.149836	1.29279	3.10904	5.00E-05	0.012659
SPRR3	862.604	185.572	-2.21672	0.0002	0.033099	861.532	39.4639	-4.4483	5.00E-05	0.012659
BCAT1	4.74743	21.9384	2.20824	0.0002	0.033099	4.7493	21.0875	2.1506	0.00015	0.030187
CRYAB	56.9224	14.9834	-1.92563	0.0002	0.033099	56.9912	25.8699	-1.13947	0.02195	0.557523
PAQR7	40.4299	15.0832	-1.42248	0.0002	0.033099	40.5612	23.3594	-0.796097	0.05995	0.82761
SLC2A1	402.925	194.218	-1.05284	0.0002	0.033099	403.512	367.298	-0.135663	0.6777	0.999805
RBP7	1.42267	13.3082	3.22565	0.00025	0.040157	1.42385	7.9711	2.48498	0.00525	0.261617
TLE2	1.4456	5.70682	1.98102	0.00025	0.040157	1.44656	5.84851	2.01544	0.0002	0.036934
SCNN1A	72.2851	19.343	-1.90189	0.00025	0.040157	72.3895	43.7603	-0.726155	0.2571	0.999805
KIRREL2	0	0.438836	inf	0.0003	0.045511	0	0.449381	inf	0.00195	0.144383
NPTXR	0.245905	2.15664	3.13261	0.0003	0.045511	0.245691	2.07169	3.07589	5.00E-05	0.012659
GLT8D2	1.14603	10.0138	3.12727	0.0003	0.045511	1.14791	7.92274	2.78699	0.00175	0.138736
DKK1	75.282	15.2463	-2.30384	0.0003	0.045511	75.3363	5.6474	-3.73769	0.00025	0.041747
RIMS3	0.340996	1.55013	2.18456	0.0003	0.045511	0.341701	2.02097	2.56424	0.00025	0.041747
TNFRSF19	0.980566	3.27668	1.74055	0.0003	0.045511	0.981253	0.810618	-0.275602	0.6714	0.999805