

S3 Table. The top varied modules with determined function were clustered into 2 clusters based on their transcriptional activity relative to the IT phase, which had distinct activity patterns in HBV clinical phases

* ModuleID = the ID of transcriptomics modules developed by Chaussabel et al. Immunity 29, 150-164 (2008) ( <a href="http://www.biir.net/public_wikis/module_annotation/V2_Trial_8_Modules">http://www.biir.net/public_wikis/module_annotation/V2_Trial_8_Modules</a> ), nr. of genes = number of genes included in the module, STDEV = Standard deviation of relative transcriptional activity of the module across all clinical phases, STDEV_Percentiles = the rank of the STDEV in the data set of all STDEVs of 260 modules, IFC = Intrinsic functional cluster, generated by unsupervised clustering of relative transcriptional activities.									
Module Group	ModuleID	Module Name	nr. of genes	IA vs IT	IC vs IT	ENEG vs IT	STDEV	STDEV Percentiles	Gene Fold change > 1.5
Cluster1	M5.10	Mitochondrial Respiration	237	-3.10	2.91	-2.54	3.32	0.99	CCDC127;CISH;KIFAP3;NUDT2;PARN;WIBG
	M3.5	Cell Cycle	151	-2.64	2.89	-2.63	3.19	0.98	SAAL1
	M6.2	Mitochondrial Respiration	158	-3.10	2.71	-3.86	3.60	1.00	ARD1A;FBXL15;TBP
	M5.6	Mitochondrial Stress/Proteasome	143	-1.78	3.34	-3.43	3.53	0.99	XRCC6BP1
	M7.1	Inflammation	184	-0.17	3.17	-1.08	2.24	0.93	ACPP;FKSG30;GBGT1;IIP45;NCF2;PTPN6;RAB38;RIPK3;SH2B2;SLC16A5;ZNF213
	M5.1	Inflammation	248	-0.18	3.75	-1.52	2.74	0.95	BTBD10;GADD45G;GNA15;GNAI3;LOXL3;MAP3K8;RASSF3
M4.5	Protein Synthesis	89	0.37	3.77	-1.78	2.80	0.95	NACAP1	
Cluster2	M3.3	Cell Cycle	50	5.92	-2.08	2.61	4.02	1.00	APOBEC3B;ASPM;AURKA;C12orf48;CCNB2;CDC20;CDT1;GINS2;KIF11;N
	M4.10	B cell	36	4.04	-1.44	1.80	2.75	0.95	CAPG;RRM2;TIMD4;TPX2;UHRF1
	M6.16	Cell Cycle	32	3.15	-1.83	0.80	2.49	0.96	BLR1;BRDG1;C9orf45;CD19;EBF1;FCRLA;HLA-DOB;LOC90925
	M6.11	Cell Cycle	20	0.88	-3.65	-0.14	2.38	0.94	APOBEC3H;CENPF;MCM2;SGOL1;UBE2T
	M8.46	Cytotoxic/NK	19	5.22	1.20	5.40	2.38	0.97	CDC25A
									BTNL3;CXCR6;GZMB;KIR2DL4;KIR2DS5;KLRB1;PTGDR
IFC1	M8.65	Undetermined	12	1.00	-1.75	1.93	1.91	0.94	GHRL
	M7.32	Undetermined	15	0.26	-1.73	1.51	1.64	0.92	TNFRSF13B
	M9.51	Undetermined	12	-1.00	-2.07	1.06	1.59	1.00	NPPA
	M8.71	Undetermined	12	1.82	-1.96	-0.40	1.90	0.93	MGC226718
	M7.27	Undetermined	36	0.29	3.05	0.05	1.67	0.91	RCVRN;TMEM88
	M9.16	Undetermined	75	0.15	3.28	-0.36	1.97	0.94	CCNYL1;CCRN4L;CYB5R2
	M5.5	Undetermined	249	0.42	4.83	-0.39	2.81	0.96	CAMSAP1;DDX10;LOC92017;SAMM50;TEX264;TRAF3IP3;ZNF211;ZNF614
	M7.3	Undetermined	173	0.17	4.29	-1.15	2.84	0.98	
	M5.8	Undetermined	113	1.49	5.62	-0.37	3.07	0.98	AOF2;AP4B1;C17orf68;EIF2B5;GPD1L;TIMM22;TTF2
	M7.25	Undetermined	106	1.28	3.77	-0.31	2.06	0.96	C17orf68;NAT9;TMC6;TUBG2;WDR73
	M4.12	Undetermined	95	1.79	4.93	0.21	2.40	0.91	ALKBH3;NXT1;PCID2
	M5.4	Undetermined	132	-2.49	3.92	-2.46	3.69	1.00	
	M9.15	Undetermined	78	-0.33	3.49	-1.18	2.49	1.00	C18orf26;C6orf81;JAG1;SYCP2
	M8.6	Undetermined	37	-0.62	2.43	-1.41	2.03	0.96	ZNF589;ZNF761
	M8.2	Undetermined	51	-1.53	2.62	-1.24	2.32	0.98	
	M5.13	Undetermined	182	-2.57	3.90	-3.40	4.00	1.00	ANKRD37;CD48;COMMD2
M7.11	Undetermined	134	-1.01	3.94	-1.32	2.95	0.99	DNASE2;NFKBIE;OBFC1;P15RS;ZFY	
M7.19	Undetermined	99	-0.93	4.18	-1.60	3.16	1.00	EXOSC7	
M9.8	Undetermined	100	-0.37	3.59	-1.65	2.73	1.00	CGRRF1;FKBPL;GZF1;SPATA2	
M9.28	Undetermined	47	-0.78	2.62	-1.07	2.05	1.00	SMC6	
M7.20	Undetermined	48	-1.10	2.52	-1.82	2.32	0.97	ANP32C;SNRPE	
M7.5	Undetermined	156	-0.99	2.84	-1.55	2.39	0.96	ANKRD13C;COMMD9;ZFP90;ZNF263;ZSCAN2	
M6.7	Undetermined	76	-0.02	3.45	-1.84	2.69	0.97	LPXN;LRRRC8C	
M7.9	Undetermined	167	-0.63	2.35	-1.33	1.96	0.92	FUT4	
M7.8	Undetermined	112	-1.88	2.50	-3.45	3.08	0.99		
M7.6	Undetermined	104	-0.04	3.37	-1.38	2.45	0.96	KCNA3;MCM5;NOLC1;SH3PXD2A	
M7.4	Undetermined	140	-0.96	2.85	-2.04	2.57	0.97	C3orf21;RFWD3;TMEM138;UCHL5IP	
IFC4	M7.30	Undetermined	72	-3.62	1.43	-2.40	2.63	0.99	RNPC3;SAP30
	M9.21	Undetermined	66	-2.26	0.47	-2.01	1.51	0.94	MYCBP;P2RY12;VEPH1
	M9.3	Undetermined	173	-3.56	1.01	-4.06	2.79	1.00	CD300LB;CEP164;COL9A2;MYL5;NDST2;PNMA6A;PPFIA4;SMPD2;WDR25
	M9.52	Undetermined	11	-1.67	-0.20	-1.89	0.92	1.00	
	M6.10	Undetermined	79	-3.05	1.50	-3.32	2.71	0.97	
	M7.28	Undetermined	71	-1.50	1.77	-1.80	1.98	0.95	
	M9.23	Undetermined	57	-1.29	0.69	-1.67	1.27	0.93	C20orf103;CCL3L1
	M9.20	Undetermined	66	-1.88	1.61	-2.25	2.13	1.00	GPR174
	M9.17	Undetermined	75	-1.13	1.63	-1.93	1.87	0.94	CDC25C;ZNF341
	M8.3	Undetermined	48	-1.60	0.70	-2.51	1.65	0.93	RPUSD1
	M8.84	Undetermined	10	-1.10	1.12	-2.37	1.77	0.91	