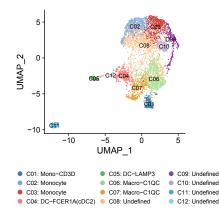


В

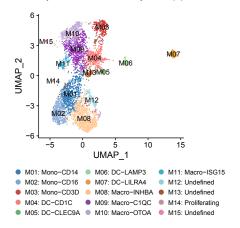
Myeloid cells clustered by Seurat

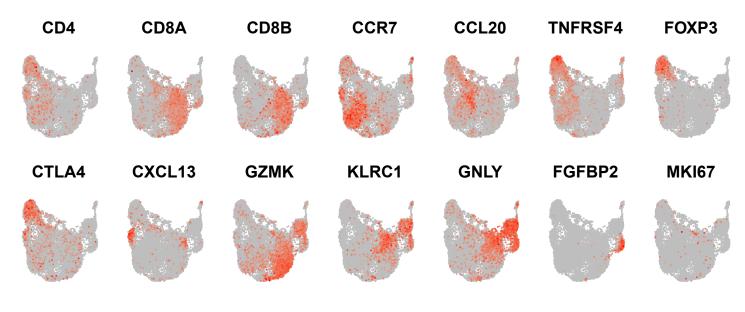
Α

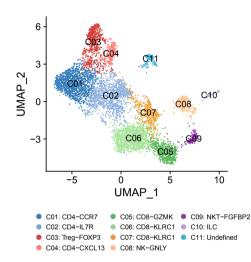


В

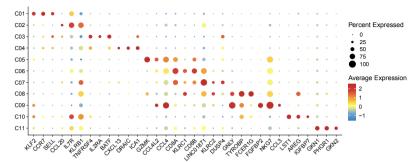
Myeloid cells clustered by tuned pipeline

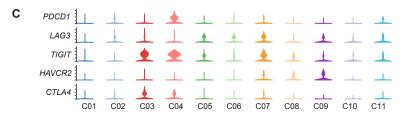




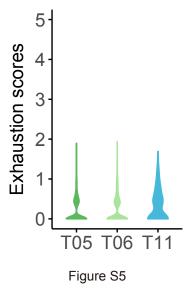








Α



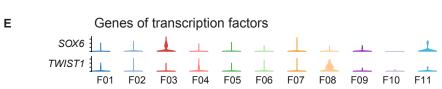
CCL19 CD83 1 1 4 2 7 2 2 2 2 1 4 2 M02 M03 M04 M05 M06 M07 M08 M09 M10 M11 M12 M13 M14 M15

				$T \subset E A (A \cap T)$	60
				TCF4 (12g) IRF4 (33g)	40
				IRF8 (78g)	20
				IRF7 (36g) SPI1 (351g)	0
				CEBPD (350g)	-20
				CEBPB (428g)	-40
_				NFKB1 (407g) IRF1 (214g)	-60
				RELB (303g)	
				NFKB2 (121g)	
				IRF2 (89g) FOXP1 (26g)	
				STAT5A (15g)	
				ATF4 (12g)	
				YY1 (858g) REL (323g)	
				RAD21 (99g)	
				ELF2 (991g)	
				NFYC (235g) GABPB1 (1294g)	
				ATF3 (2125g)	
				ETS1 (1234g)	
				ETV6 (1902g) ELF1 (3798g)	
				NFE2L2 (81g)	
				RUNX3 (13g)	
				BCL3 (39g) ETS2 (1992g)	
				THAP1 (1992g)	
				STAT3 (22g)	
				CHD1 (11g) BHI HE41 (205a)	
				BHLHE41 (205g) ETV5 (898g)	
				HIVEP2 (11g)	
				MEF2D (15g) TGIF2 (86g)	
				JUND (18g)	
				HCFC1 (435g)	
				STAT2 (98g) JUNB (15g)	
				ELK4 (842g)	
				ERF (699g)	
				JUN (14g) SMARCA4 (527g)	
				ELK1 (423g)	
				MLX (60g)	
				SREBF2 (11g) STAT1 (201g)	
				FLI1 (321g)	
				EGR1 (644g)	
				FOXO3 (20g) THAP11 (13g)	
				TAF1 (519g)	
				SRF (210g)	
				EP300 (11g) HOXB2 (35g)	
				POLE3 (108g)	
				IRF3 (11g)	
				ATF1 (45g) TAF9 (19g)	
				BCL6 (12g)	
				TFDP1 (63g) NFAT5 (12g)	
				TCF3 (11g)	
				ZBED1 (15g)	
				TCF7 (12g) ARNTL (140g)	
				SF1 (13g)	
				STAT6 (16g)	
				CHD2 (29g) SMAD5 (33g)	
				SMAD5 (339) SP1 (27g)	
				ELK3 (700g)	
				RFX5 (82g) TP53 (19g)	
				ATF7 (62g)	
				FOXO1 (52g)	
				XBP1 (157g) CREM (336g)	
				FOSL2 (40g)	
				NR3C1 (1106g)	
				BCLAF1 (2230g) ETV3 (2518g)	
				SPIB (693g)	
				POLR2A (3219g)	
				KDM5A (318g) IRF9 (32g)	
				CREB3L2 (66g)	
M04	M05	M06	M07		
			Figure S7		

PTGS2 🚹 🔔 🔔 🔔 🔔 🔔 🔔 🔔 🔔 🔔 🔔 🔺 IL1RN 🛓 🛓 🔔 🔔 🔔 🔔 🔔 👱 🔔 🔔 🔔 💻 📥 IL1B 🛬 👱 🛓 🔔 🔔 📜 🛨 🍷 👱 🗶 🛫 👱 CXCL5M03 M04 M05 M06 M07 M08 M09 M10 M11 M12 M13 M14 M15 Figure S8

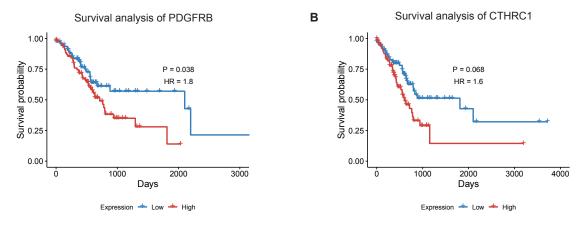
				SREBF1 (12g) STAT1 (168g)	40
				JUNB (66g)	20
				RXRA (28g)	
				NFIL3 (13g) ETS2 (2126g)	0
				CREM (361g)	-20
				ELK3 (385g)	-40
				ETV6 (1808g) ELK1 (394g)	
				RELA (28g)	
				BCL6 (19g)	
				STAT4 (68g)	
				NR3C1 (1103g) GABPB1 (957g)	
				NFKB1 (109g)	
				XBP1 (197g)	
				CEBPB (168g) FOSL2 (99g)	
				NFKB2 (76g)	
				TCF7L2 (17g)	
				ATF4 (258g)	
				RELB (69g) GOT1 (11g)	
				ETV5 (2116g)	
				FOSB (43g)	
				EGR1 (844g) ETV3 (2738g)	
				SPI1 (518g)	
				CEBPD (117g)	
				ELF1 (3906g)	
				IRF7 (58g) IRF9 (64g)	
				STAT2 (39g)	
				IRF2 (110g)	
				IRF1 (368g) IRF8 (210g)	
				RAD21 (11g)	
				REL (50g)	
				MAF (14g)	
				POLE3 (27g) ATF3 (2746g)	
				ELF2 (361g)	
				EGR3 (16g)	
				EP300 (807g) ELK4 (381g)	
				SIN3A (220g)	
				BCLAF1 (2433g)	
				GABPA (335g) POLE4 (57g)	
				TFDP1 (31g)	
				BDP1 (59g)	
				CLOCK (11g)	
				KLF7 (14g) GTF2F1 (30g)	
				STAT5A (10g)	
				FOXK2 (11g)	
				TAF1 (23g) NFYB (12g)	
				RBBP5 (19g)	
				FOXO3 (15g)	
				MYC (19g) TEE3 (59g)	
				TFE3 (59g) KDM5A (184g)	
				PKNOX1 (57g)	
				FOXP1 (24g)	
				SMARCA4 (195g) HCFC1 (412g)	
				MAX (25g)	
				CREB1 (11g)	
				CHD2 (215g)	
				SREBF2 (308g) YY1 (1978g)	
				POLR2A (2619g)	
				BHLHE40 (284g)	
				MITF (199g) USE2 (468g)	
				USF2 (468g) MLX (135g)	
				FLI1 (499g)	
				MEF2A (12g)	
M08	M09	M10	M11	JUND (31g)	
			Figure S9		

Α	Gen	es of c	collag	jens							
	COL1A1						1	•			
	COL1A2		•				•	•			
	COL3A1			•			•	•			-
	COL4A1 🛧	•					+				-
	COL4A2	•				-					
	COL4A5	_	•								
	COL5A1	_	•				1			1	
	COL5A2		•			-	1				
	COL7A1		_	_	_		-		_		<u> </u>
	COL8A1		1					-			
	COL10A1				-	-		-	-		
	COL11A1			-				-			
	COL13A1							_			
	COL14A1		-				-			_	-
	COL18A1	-	-			<u> </u>	1			-	
	F01	F02	F03	F04	F05	F06	F07	F08	F09	F10	F11
				_							
В	4 .	es of a			facto		1				
		-		-				-	-		_
	NOTCH4								<u> </u>		
		-					+			-	1
	CAV1	•	-	-		-	-		-		-
	PDGFA	-					+		<u> </u>		
			-	<u> </u>			+		-	<u> </u>	-
	VEGFA		-	-		-			-	+	
	EPAS1	-	<u> </u>	+	-	1	+	-	-		-
	THY1 🛨 F01	F02	F03	F04	F 05	F 06	F07	F08	F 09	F10	F11
	101	1 02	1 00	101	100	1.00	1.01	100	100	1 10	
С	Gen	es of c	cytoki	nes							
	CXCL14		1				1		1		T
	CXCL12		-					_			-
	CXCL2				<u>•</u>		1				_
	CXCL1				1	-	\bot	-			-
	CXCL5										
	CXCL6			<u> </u>		<u> </u>					
	CXCL8		1				1	-	1		-
	CXCL3		1		-	<u> </u>	1			1	<u> </u>
	CCL8				<u> </u>	<u> </u>				Ŧ	
	CCL11						1		1	1	1
	CCL5	 F02	 F03	F04	 F05	 F06	F07	F08	F 09	F10	F11
	FUT	FUZ	F03	F04	F05	FUO	FU7	FUO	F09	FIU	FII
D	D Genes of Matrix Metallopeptidase										
						·		1			
	MMP2		+	•	•	•	1				
	ММРЗ	<u> </u>				<u> </u>	\bot				_
					<u> </u>	<u> </u>	<u> </u>	-			<u> </u>
	MMP10		_ _						<u> </u>		
			_			<u> </u>	+		_		



F01 F02 F03 F04 F05 F06 F07 F08 F09 F10 F11

MMP14



Α

				60
			NR1H3 (12g)	
			CEBPD (222g)	40
			EGR1 (82g)	20
			SRF (23g)	20
			FOXF1 (169g)	0
			PRDM1 (24g)	Ŭ
			BATF (13g)	-20
			FOXF2 (80g)	10
			SOX4 (13g)	-40
			YY1 (1220ǵ)	-60
			TEAD2 (667g)	00
			SMARCA4 (891g)	
			NR2F2 (13g)	
			CREM (60g)	
			FOSL2 (61g)	
			BCL3 (19g)	
			RELB (153g)	
			SNAI2 (10g)	
			ELK1 (792g)	
			EZH2 (130g)	
			RUNX2 (17g)	
			IRF2 (39g)	
			STAT1 (85g)	
			IRF7 (73g)	
			STAT2 (275g)	
			STAT3 (19g)	
			TCF7 (28g)	
			T C F 7 (200)	
			SOX9 (43g) ETS2 (2556g) NFIC (27g) ELF1 (1488g) E2F4 (194g) GABPB1 (993g)	
			E152(25509)	
			NFIC (27g)	
			ELF1 (1488g)	
			E2F4 (194g)	
			GABPBI (993g)	
			GTF3A (23g) THAP11 (82g) TBX2 (186g)	
			THAP11 (82g)	
			TBX2 (186g)	
			EIV6(52/g)	
			IRF8 (155g)	
			IRF9 (117g)	
			SMARCC2 (151g)	
			TAF7 (79g)	
			E2F6 (283g) ETV5 (410g) ZMIZ1 (18g)	
			EIV5 (410g)	
			ZMIZ1 (18g)	
			RELA(1/ 0)	
			E4F1 (14g) NR2C2 (35g)	
			NR2C2 (35g)	
			MXD4 (56g)	
			E2F3 (39g)	
			TGIF2 (14g)	
			MLX (16g) ESRRA (11g)	
			ESRRA (11g)	
			TFDP2 (36g) ELF2 (24g)	
			ELF2 (24g)	
			RBBP5 (12q)	
			HAND2 (14g)	
			ZNF140 (11a)	

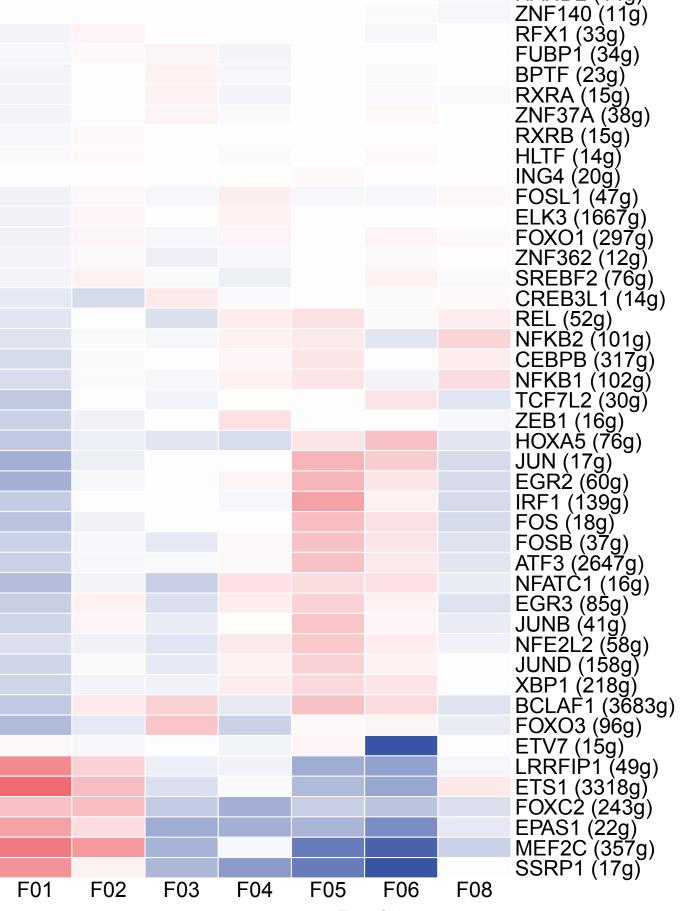
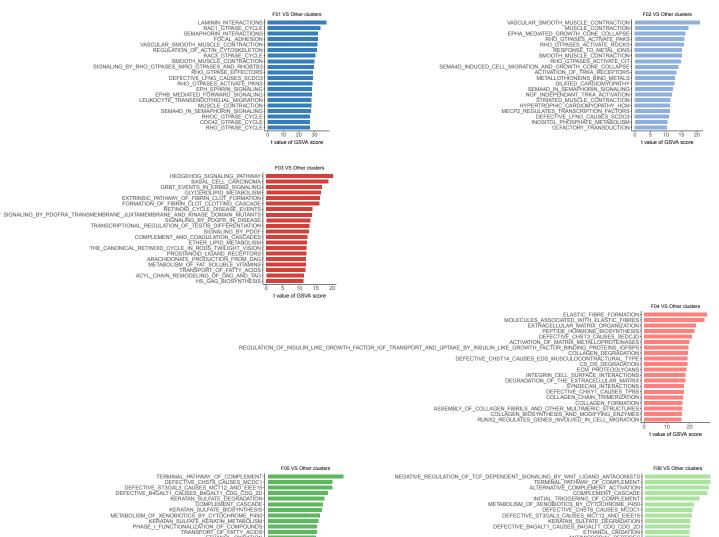


Figure S12



- SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS_VIA_24_HYDR DRUG_METABOLISM_C

EPITHELIAL_CELL_SIGNALING IN HELICOE ANTIGEN_PROCESSI

ANTIGEN PROCESSING CROSS METABOLISM OI BINDING_AND_UPTAKE_OF_LIGANDS BY SCAVENGE INTERLEUKIN NOD_LIKE RECEPTOR SIGNAL CIVICIENE SCIONAURIS IN IM REGULATION OF INVESTIGATION OF PROCOLLAGEN ROS_AND_TMOS PROCOLLAGEN REGULATION_OF_RUNX2_EXPRESSION_

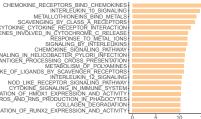
CYTOKINE TP53_REGULATES_TRANSCRIPTION_OF_GENES_INV

- DRUG_ME TABOLISM_C' ACTIVATIO KERATAN_SULFATE_KER BIOLOC ALPHA_LINOLENIC_/ COMPLEMENT_AND_COAGU LINOLEIC_

METALLOTHIONEINS

t value of GSVA score

F08 VS Other clusters



t value of GSVA score

F10 VS Other clusters

- AUTOIMMUNE TYPE I GRAFT_VER CELL_ADHESION ADORA2B_MEDIATED_ANTI_INFLAMMATORY_CYTO CALCITONIN_LIKE_LIG NATURAL KILLER CELL MEDIATEO C ANTI_INFLAMMATORY_RESPONSE_FAVOURING_LEISHMANA_PARASI DAP12 IN GENERATION_OF_SCOND_MESSENGEP HEMATOPOIETIC_C
- 7.5 10.0 t value of GSVA score

F09 VS Other clusters

t value of GSVA score

20 25

t value of GSVA score

F07 VS Other clusters

- 15 20
- PRIMARY_IMMU GENERATION_OF_SECOND_MESSENGE COSTIMULATION_BY_T T_CELL_RECEPTOR_SIGN GRAFT AUTOIMMUNF HEMATOPOIE INTESTINAL_IMMUNE_ NATURAL_KILLE FLT3_SIGNALING ANTIGEN P INTERFERC DAP12_IN REGULATION OF KI

CA2_ACTIVATI BIOLOGI

DISEASES ASSOCIATED WITH GLYCOSAMINOGLYC/ SYNTHESIS OF 16 20 TYDRÖXYEICOSATETRAENC SYNTHESIS_OF_EPOXY_EET_ÄND_DIHYDROXYEICOSATRIENC ACTIVATION_OF_THE_AP_1_FAMILY_OF_TRA

HIGHLY CALCIUM PERMEABLE_POSTSYNAPTIC NICOTINIC_ACETYLCHOLINE | REGULATION OF GENE EXPRESSION IN ENDOCRINE COMMITTED NEUROGS PROGEN DIGESTION. OF DI FREE RESPECTIVE HORKONE LIGAND INDIG SERVORNIN ADD NEUROPETIDES SERVORNIN ADD NELTONIN BI MINERALOCORTICOLOR IN SODIUM_COUPLED_SULPHATE_D_AND_TRI_CARROY/LATE_TAS ACETYLCHOLINE_BINDING_MELONININ BIC MINERALOCORTICOLOR IN ACETYLCHOLINE, BINDING_AND_OWNINTE ACETYLCHOLINE, BINDING_AND_OWNINTE ACETYLCHOLINE, BINDING_AND_OWNINTE

t value of GSVA score

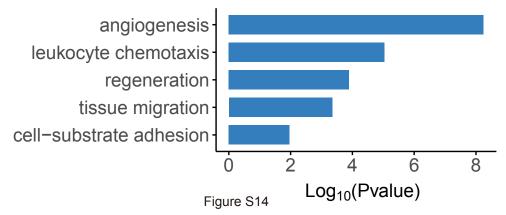
F11 VS Other clusters

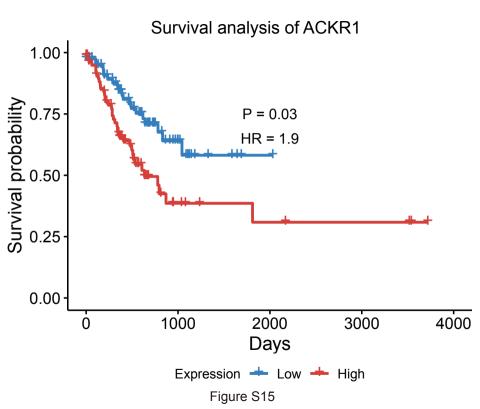
PHOSPHORYLATIC CALL DAL REPLICATION CONDENSATION OF PROMEPULATION ACTIVATION OF PROME KINASES NEWS E2F_ENABLED_INHIBITION_OF_PRE_REPLICATION_COMPLEX_ DIGESTION_OF_DIETARY_CA CONDENSATION_OF_PROPHASE_CH G1_S_SPECIFIC_TR DIGESTION_OF_DIET REGULATION_OF_GENE_EXPRESSION_IN_ENDOCRINE_COMMITTED_NEUROG3_PROGENIT FREE_FAILTY_ACID_RE OREXIN_AND_NEUROPEPTIDES_FF_AND_QRFP_BIND_TO_THEIR_RESPECTIVE_FE DOPAMINE HORMONE_LIGAND_BINDING CONJUGATION_OF_BENZOATE_W

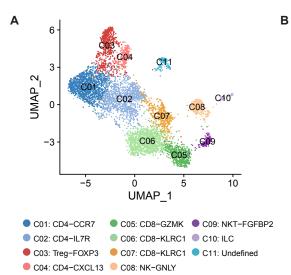
Legistic and the second second

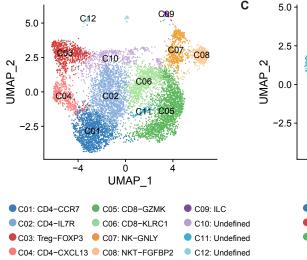
t value of GSVA score

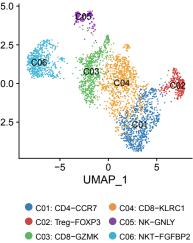
GO terms of E01



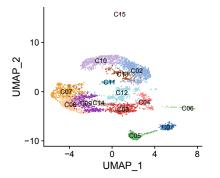


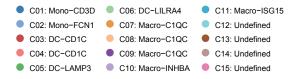




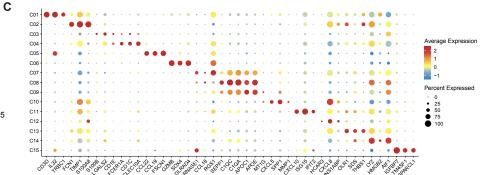


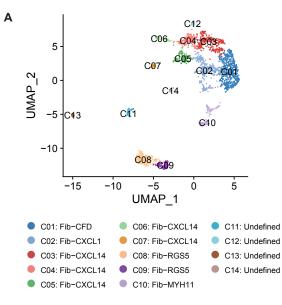
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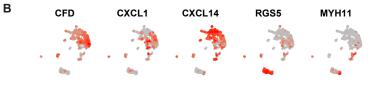


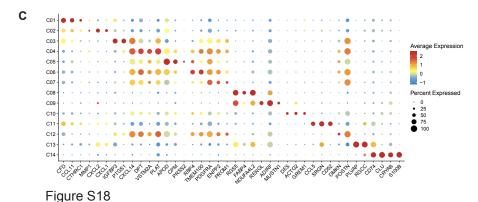


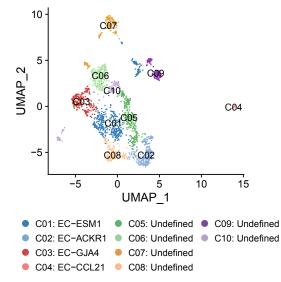




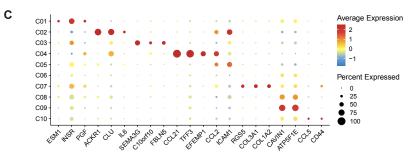












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