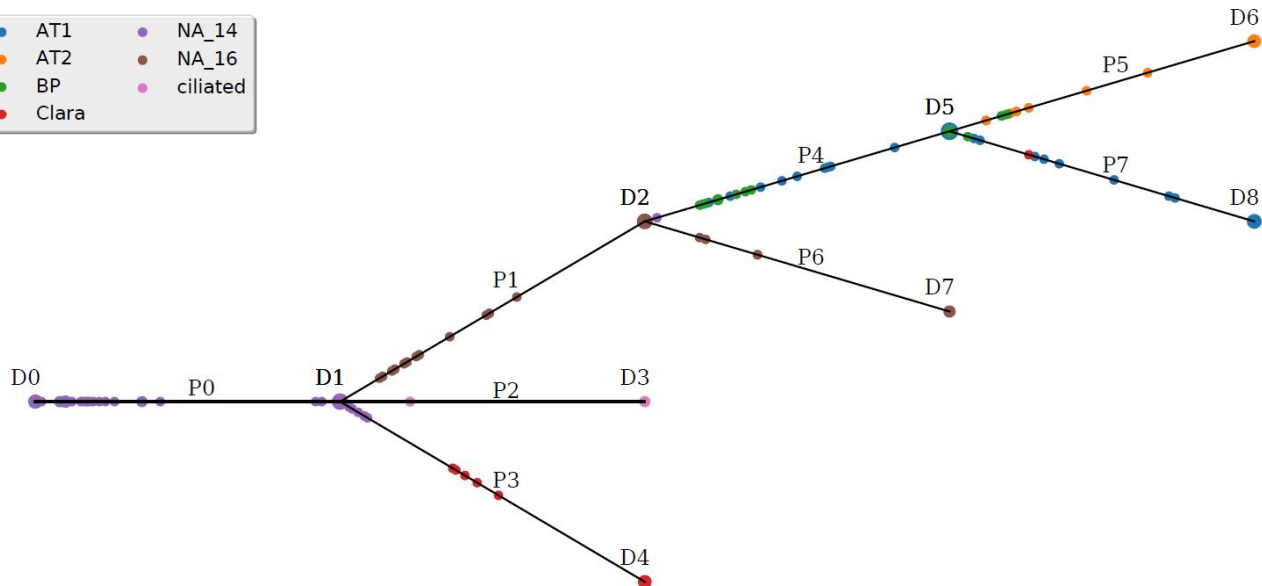


**(a)****(b)**

Regulator of AT1/AT2 markers (GATA6):



Regulators related to cell proliferation:



Regulators for ciliated (SOX4/SOX5/SOX9):



Regulators related to lung development:



P1	P2(Ciliated)	P3	P4	P5 (AT2)	P6	P7 (AT1)
t=0.0	t=0.0	t=0.0	t=0.0	t=0.0	t=0.0	t=0.0
▲ YY1	CEBPD	DSP	TFDP1	TEAD1	TBP	▲ YY1
E2F4	● ▲ SOX9	E2F1	E2F4	FOXO1	DSP	TBP
ATF2	▲ CEBPB	APC	E2F7	CEBPD	RB1	EGR2
E2F1	E2F1	E2F3	t=0.2	▲ SRF	UBE4A	▲ BACH2
E2F3	KLF12	E2F2	RB1	BPTF	APC	EGR1
XBP1	● SOX5	E2F5	E2F2	t=0.1	ESRRA	▲ STAT6
t=0.1	● SOX4	TBP	E2F5	TBP	E2F3	CDC5L
CREB1	t=0.2	t=0.1	▲ SRF	t=0.2	t=0.2	TCF3
ATF7	NRF1	E2F4	APC	▲ GATA6	▲ SRF	t=0.1
CREM	TCF7L2	TFDP1	t=0.4	HSF2	t=0.4	▲ SREBF1
t=0.5	▲ BACH2	t=0.4	DSP	RXRA	E2F4	▲ GATA6
DSP		TBPL1	t=0.5	NE1H2	TFDP1	
			E2F3			