

Table S1 the biological processes of lung three developmental stages

Stage	GO Biological Process	References
Early stage	GO:0007049~cell cycle	[1], [2], [3]
	GO:0006260~DNA replication	
	GO:0006412~translation	
	GO:0048146~positive regulation of fibroblast proliferation	
Middle stage	GO:0030036~actin cytoskeleton organization	[4], [5], [6], [7],
	GO:0016192~vesicle-mediated transport	[8], [9]
	GO:0048754~branching morphogenesis of a tube	
	GO:0048514~blood vessel morphogenesis	
	GO:0002520~immune system development	
	GO:0035295~tube development	
	GO:0030323~respiratory tube development	
	GO:0048660~regulation of smooth muscle cell proliferation	
Late stage	GO:0006955~immune response	[10], [11], [12],
	GO:0070302~regulation of stress-activated protein kinase signaling pathway	[13]
	GO:0006954~inflammatory response	
	GO:0010647~positive regulation of cell communication	
	GO:0042592~homeostatic process	

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