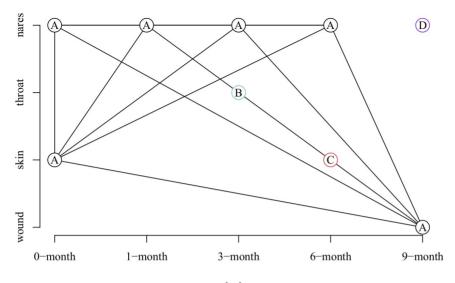
Within-host Colonization, Host X



(a)
	-

Strain-specific				
Interval		Observation		
v_0	v_1	(y, x, t)		
0-month	1-month	$(0,\mathbf{x}_A,1)$		
1-month	3-month	$(0,\mathbf{x}_A,2)$		
3-month	6-month	$(0,\mathbf{x}_A,3)$		
3-month	6-month	$(1, \mathbf{x}_B, 3)$		

Site-specific				
Site	Interval		Observation	
	v_0	v_1	(y,x,t)	
Nares	0-month	1-month	$(0,\mathbf{x}_A,1)$	
Nares	1-month	3-month	$(0,\mathbf{x}_A,2)$	
Nares	3-month	6-month	$(0, {\bf x}_A, 3)$	
Throat	3-month	6-month	$(1, \mathbf{x}_B, 3)$	
Skin	0-month	1-month	$(1, \mathbf{x}_A, 1)$	

(b)

(c)