

Powell et al

Table 5b

Determinants of Network Centrality: Results of Panel Regressions*

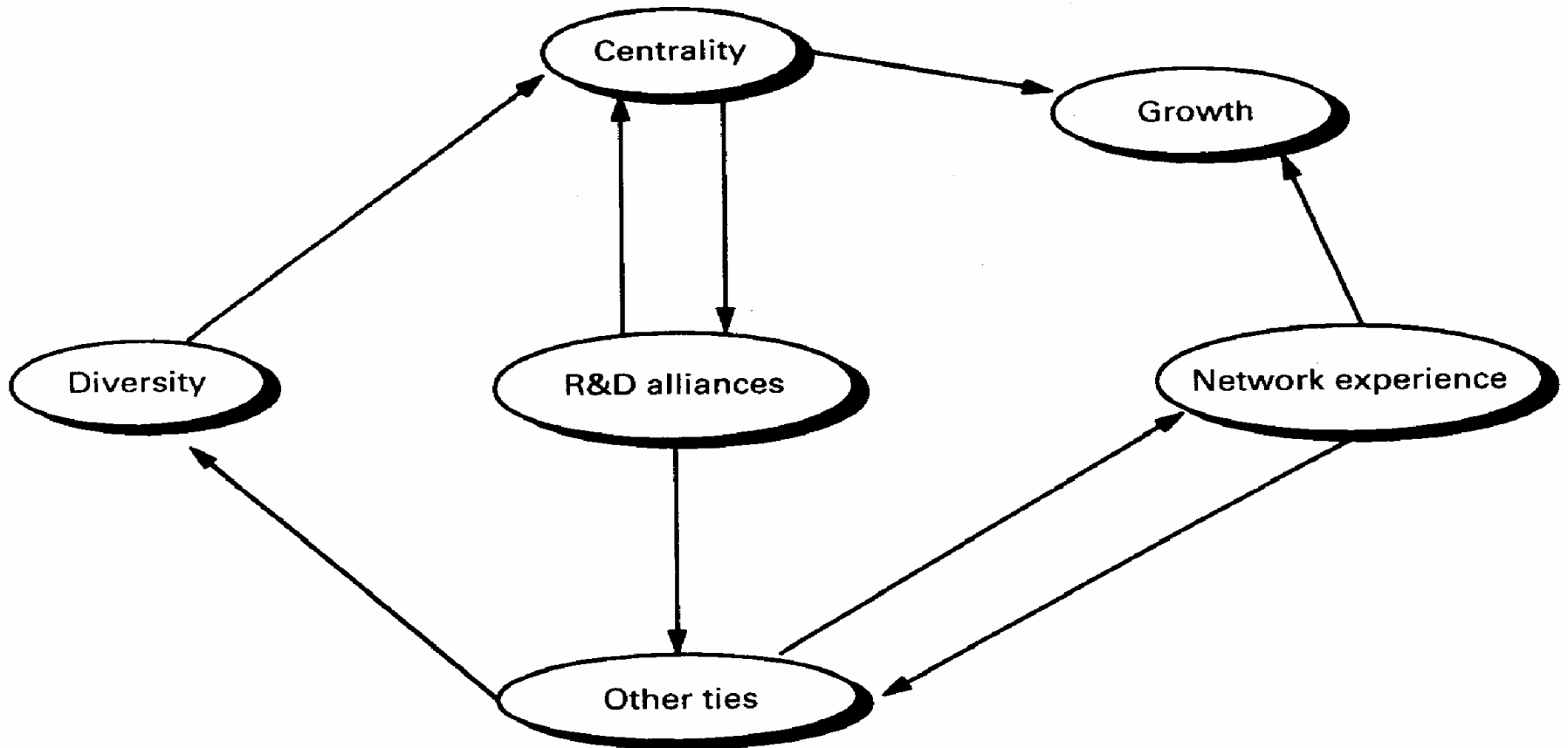
Predictor variables (at time t)	Dependent variables (at time $t + 1$)		
	Degree centrality	Closeness centrality	MainComp
R&D ties	1.5073 (.3539)		
Collaborative R&D experience		.0578 (.0191)	
Non-R&D network experience	.8371 (.0726)	.0391 (.0188)	
Diversity	6.3366 (2.4455)	.2202 (.0746)	.2509 (.0573)
Control variables†			
Lagged dependent variable	.2416 (.0387)	.2096 (.0532)	.0419 (.0375)
Total ties	.3810 (.1555)	.0052 (.0036)	.0030 (.0028)
R-squared	.8958	.7531	.6823
Total firm-years	718	707	718

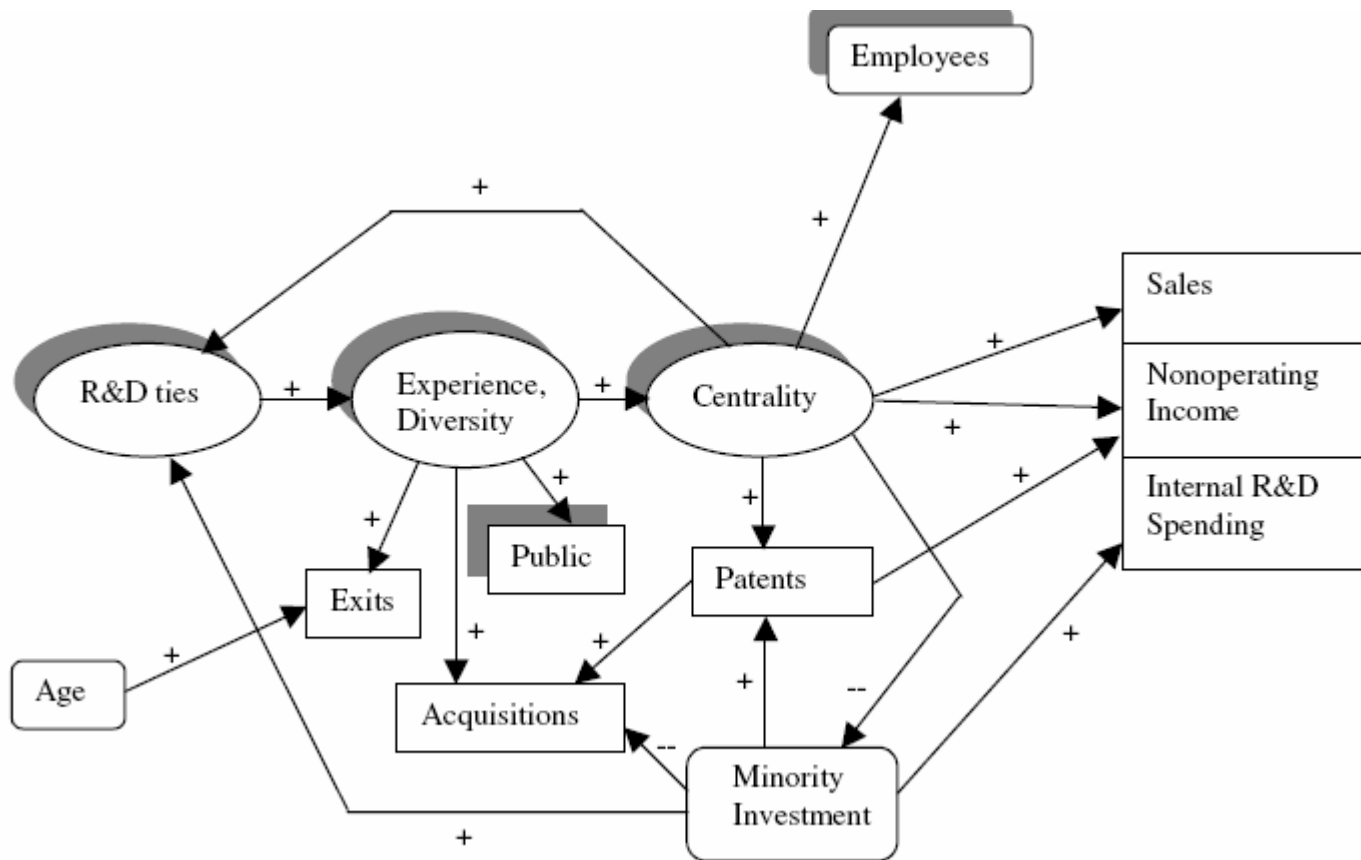
Table 5c

Determinants of Growth: Results of Panel Regressions*

Predictor variables (at time t)	Dependent variables (at time $t + 1$)	
	Size	Public
Collaborative R&D experience		.0353 (.0098)
Non-R&D network experience	.0618 (.0261)	.0429 (.0183)
Degree centrality	.0108 (.0024)	.0018 (.0008)
Control variables†		
Lagged dependent variable	.9507 (.0277)	.3066 (.0323)
Total ties	.0076 (.0099)	.0031 (.0033)
R-squared	.9789	.8606
Total firm-years	639	886

Model





Theory

- Social competence → centrality → performance
- Centrality
 - strategic / transaction cost argument
 - Learning argument