

# MS\_Paper\_Simulations

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## Simulation Results

Preliminary results of the simulation with  $\rho_1 = 0.6$ ,  $\rho_2 = 0.4$ ,  $\tau_1 = 0.06$ ,  $\tau_2 = 0.12$

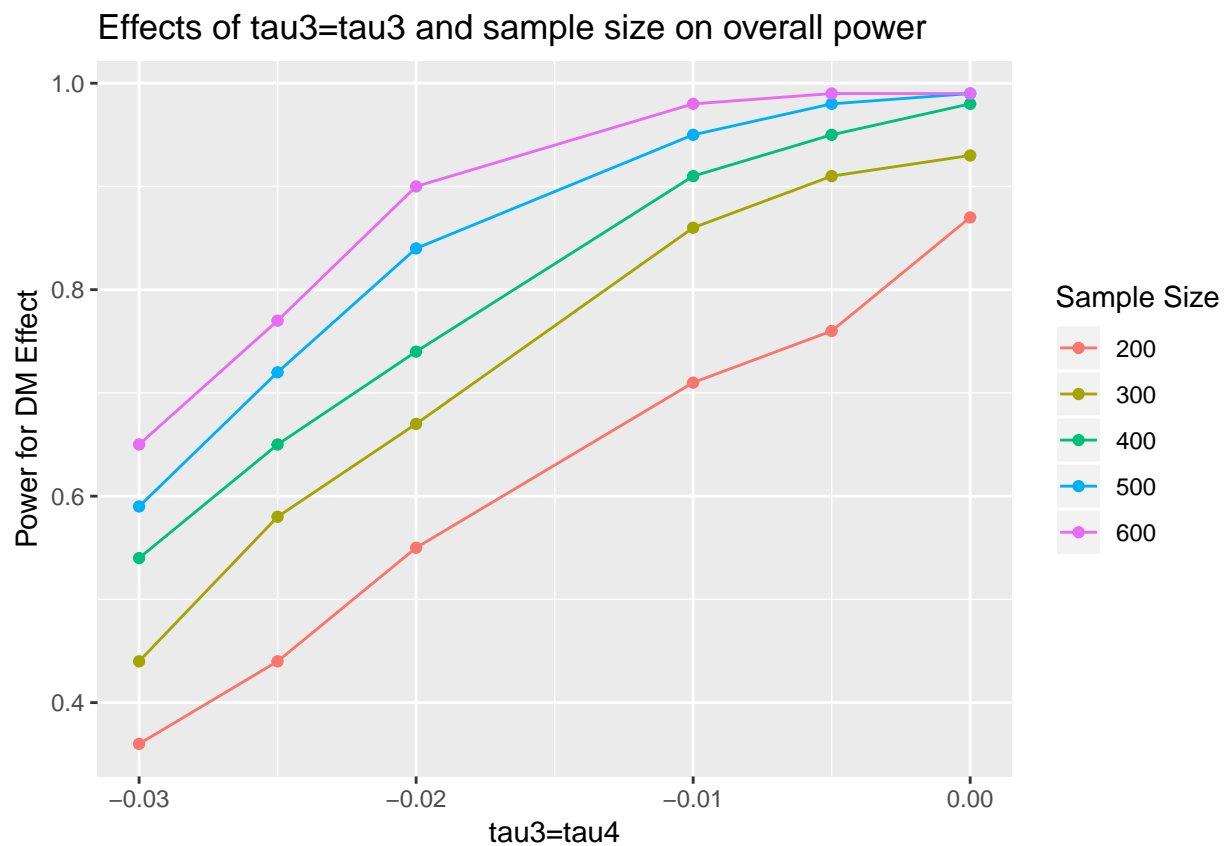


Table 1: Simulated Power for Detecting Disease Modification with  $\tau_1=0.06$  and  $\tau_2=0.12$

$\rho$	$\rho_2$	$\tau_3$	$\tau_4$	Sample Size	Power		
					C3	C12	C123
0.6	0.4	0.000	0.0000	200	0.87	1.00	0.87
				300	0.93	1.00	0.93
				400	0.98	1.00	0.98
				500	0.99	1.00	0.99
				600	0.99	1.00	0.99
		-0.005	-0.0050	200	0.76	1.00	0.76
				300	0.91	1.00	0.91
				400	0.95	1.00	0.95
				500	0.98	1.00	0.98
				600	0.99	1.00	0.99
		-0.0075	-0.0075	200	0.74	0.99	0.74
				300	0.90	1.00	0.90
				400	0.93	1.00	0.93
				500	0.97	1.00	0.97
				600	0.99	1.00	0.99
		-0.0100	-0.0100	200	0.72	0.99	0.72
				300	0.89	1.00	0.89
				400	0.93	1.00	0.93
				500	0.95	1.00	0.95
				600	0.98	1.00	0.98