

**Supplementary Table SIII** Standardized direct effects, indirect effects and total effects of BMI and adenomyosis on miscarriage.

	Direct effect		Indirect effects		Total effect	
	$\beta$ (SE)	P-value	$\beta$ (SE)	P-value	$\beta$ (SE)	P-value
BMI	0.134 (0.084)	0.11	0.183 (0.049)	<0.001	0.317 (0.088)	<0.001
Separate indirect effects						
via Ln $\beta$ hCG			0.141 (0.044)	0.001		
via Adenomyosis			0.029 (0.019)	0.126		
via Adenomyosis/Ln $\beta$ hCG			0.012 (0.009)	0.163		
Adenomyosis	0.211 (0.077)	0.033	0.089 (0.042)	0.033	0.300 (0.084)	<0.001
Separate Indirect effects						
via Ln $\beta$ HCG			0.089 (0.042)	0.033		

Ln  $\beta$ HCG=log transformed  $\beta$ hCG.