

# Finite Adaptation and Multistep Moves in the Metropolis-Hastings Algorithm for Variable Selection in Genome-Wide Association Analysis

## Supplementary Table S5

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### Sampling time, ESS, ESS/time and relative efficiency for the LDL-C and HDL-C datasets

Geometric mean values of sampling time (seconds), ESS, ESS/time and relative efficiency for the simulated datasets. ESSs are based on the autocorrelation of  $\gamma$  and model size samples.

Setting / Sampler	Time	$\gamma$			model size			
		ESS	ESS/time	RE	ESS	ESS/time	RE	
HDL-C								
adaptive MS-DR	45205	12080	0.27	2.8	343	0.01	1.3	
adaptive MS	42753	8240	0.19	2.0	286	0.01	1.1	
adaptive SS	35005	3346	0.10	1.0	204	0.01	1.0	
LDL-C								
adaptive MS-DR	41071	8216	0.20	1.3	569	0.01	1.4	
adaptive MS	38626	5155	0.13	0.9	443	0.01	1.2	
adaptive SS	35567	5478	0.15	1.0	353	0.01	1.0	