

**Supplementary\_Table\_S1.** Summary of Reverse Mendelian Randomization Results

<b>Exposure</b>	<b>outcome</b>	<b>Mendelian Randomization Method</b>	<b>No. of SNPs</b>	<b>P value</b>
aortic dissection	Myeloid Dendritic Cell Absolute Count	IVW	5	0.0538
aortic dissection	CD62L <sup>-</sup> Dendritic Cell Absolute Count	IVW	5	0.3243
aortic dissection	CD86 <sup>+</sup> myeloid Dendritic Cell Absolute Count	IVW	5	0.3972
aortic dissection	CD62L <sup>-</sup> myeloid Dendritic Cell Absolute Count	IVW	5	0.5886
aortic dissection	CD62L <sup>-</sup> myeloid Dendritic Cell %Dendritic Cell	IVW	5	0.9755

aortic dissection	CD62L <sup>-</sup> CD86 <sup>+</sup> myeloid Dendritic Cell Absolute Count	IVW	5	0.5701
aortic dissection	CD62L <sup>-</sup> CD86 <sup>+</sup> myeloid Dendritic Cell %Dendritic Cell	IVW	5	0.9385
aortic dissection	CD14 <sup>+</sup> CD16 <sup>+</sup> monocyte Absolute Count	IVW	5	0.1377
aortic dissection	CD14 <sup>+</sup> CD16 <sup>+</sup> monocyte %monocyte	IVW	5	0.0940
aortic dissection	HLA DR <sup>+</sup> Natural Killer %Natural Killer	IVW	5	0.1768
aortic dissection	SSC-A on HLA DR <sup>+</sup> Natural Killer	IVW	5	0.1945

IVW: Inverse variance weighted.

SNP: Single Nucleotide Polymorphism.