

Table S1 Sample information for the GSE160516 dataset

Sample ID	Group	Treatment	Time point
GSM4874400	Control	Sham	—
GSM4874401	Control	Sham	—
GSM4874402	Control	Sham	—
GSM4874403	Control	Sham	—
GSM4874404	I/R	Ischemia/Reperfusion	6 h
GSM4874405	I/R	Ischemia/Reperfusion	6 h
GSM4874406	I/R	Ischemia/Reperfusion	6 h
GSM4874407	I/R	Ischemia/Reperfusion	6 h
GSM4874408	I/R	Ischemia/Reperfusion	24 h
GSM4874409	I/R	Ischemia/Reperfusion	24 h
GSM4874410	I/R	Ischemia/Reperfusion	24 h
GSM4874411	I/R	Ischemia/Reperfusion	24 h
GSM4874412	I/R	Ischemia/Reperfusion	72 h
GSM4874413	I/R	Ischemia/Reperfusion	72 h
GSM4874414	I/R	Ischemia/Reperfusion	72 h
GSM4874415	I/R	Ischemia/Reperfusion	72 h

Table S2 Sample information for the GSE225105 bulk RNA-seq validation dataset

Sample ID	Group	Treatment	Time point
GSM7039419	Sham	None	24 h
GSM7039420	Sham	None	24 h
GSM7039421	Sham	None	24 h
GSM7039425	I/R	None	24 h
GSM7039426	I/R	None	24 h
GSM7039427	I/R	None	24 h

Table S3 Sample information for the GSE288103 single-cell RNA sequencing dataset

Sample ID	Group	Description
GSM8759008	flox_MI	Cd248fl/fl myocardial infarction sample
GSM8759009	flox_MI	Cd248fl/fl myocardial infarction sample
GSM8759010	Cre_MI	Cd248 conditional knockout myocardial infarction sample

Table S4 Primers are used for quantitative real-time PCR analysis

Gene	Forward primer (5'-3')	Reverse primer (5'-3')
GAPDH	GACAACCTTTGGCATCGTGG	ATGCAGGGATGATGTTCTGG
HMOX1	TTTTACCTTCCCAGCATC	GTCTTAGCCTCTTCTGTACCCT

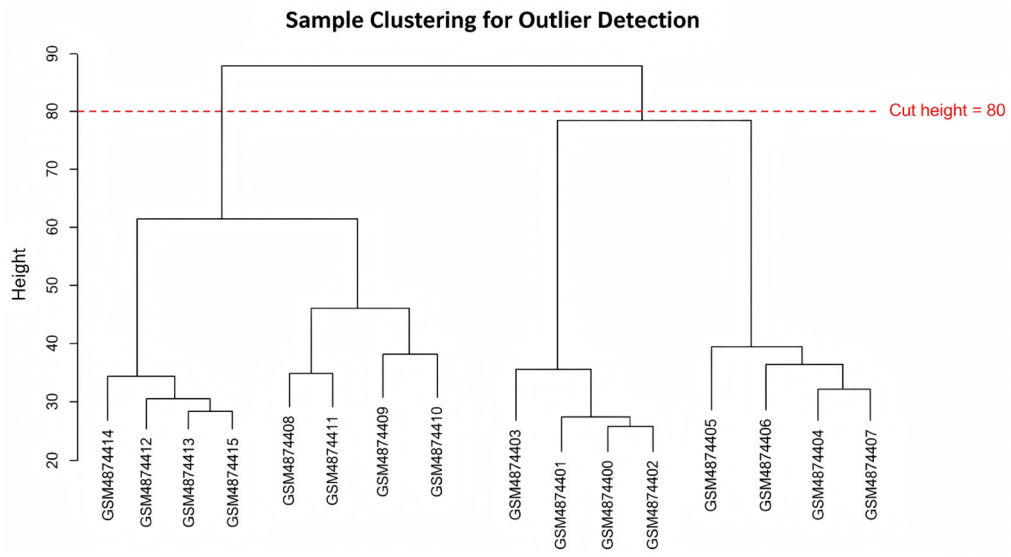


Figure S1 Sample clustering for outlier detection in the GSE160516 discovery cohort prior to WGCNA.