

Table S1 The clinical information of datasets

GEO datasets	GSE102249	GSE51472	GSE12644
Platform	GPL10558	GPL570	GPL570
Location	heart	heart	heart
Human aortic valves	240	15	20
Normal	0	5	10
Calcific aortic valve	240	10	10

GEO, Gene Expression Omnibus.

Table S2 Twenty-three m6A regulators in this study

Gene symbol	m6A type
<i>ZC3H13</i>	m6A writers
<i>METTL3</i>	m6A writers
<i>METTL14</i>	m6A writers
<i>METTL16</i>	m6A writers
<i>KIAA1429</i>	m6A writers
<i>RBM15</i>	m6A writers
<i>RBM15B</i>	m6A writers
<i>WTAP</i>	m6A writers
<i>CBLL1</i>	m6A writers
<i>HNRNPA2B1</i>	m6A readers
<i>HNRNPC</i>	m6A readers
<i>YTHDC1</i>	m6A readers
<i>YTHDC2</i>	m6A readers
<i>YTHDF1</i>	m6A readers
<i>YTHDF2</i>	m6A readers
<i>YTHDF3</i>	m6A readers
<i>ELAVL1</i>	m6A readers
<i>FMR1</i>	m6A readers
<i>IGF2BP1</i>	m6A readers
<i>IGF2BP2</i>	m6A readers
<i>IGF2BP3</i>	m6A readers
<i>LRPPRC</i>	m6A readers
<i>FTO</i>	m6A erasers
<i>ALKBH5</i>	m6A erasers

m6A, N6-methyladenosine.

Table S3 The number of genes in each module

Module	No. of genes
Blue	47
Brown	25
Grey	112
Turquoise	175
Yellow	24

Table S4 The central node information of PPIN

Gene name	Degree
<i>COL1A1</i>	11
<i>MYH11</i>	11
<i>CNN1</i>	9
<i>ACTA1</i>	7
<i>KRT14</i>	7
<i>ACTG2</i>	7
<i>MFAP5</i>	6
<i>ITGA8</i>	6
<i>SMOC2</i>	6
<i>MUSTN1</i>	4
<i>PPP1R14A</i>	3
<i>RERGL</i>	3
<i>OXTR</i>	2
<i>IGFBP2</i>	2
<i>EFHD1</i>	2
<i>C5orf46</i>	1
<i>RCAN2</i>	1

PPIN, protein-protein interaction network.

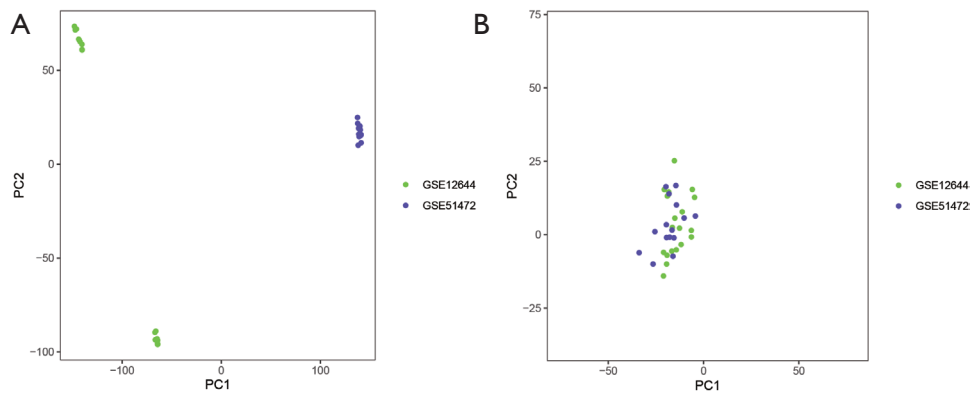


Figure S1 The gene expression datasets were processed using PCA. The top 2 PCs (PC1 and PC2) of gene expression profiles were visualized as points on a scatter plot. Samples were based on data visualized without (A) and with (B) the batch effect removed. The colors indicate samples from 2 different datasets, which are represented by the dots. PC, principal component; PCA, principal component analysis.

Table S5 Consistency m6A cluster analysis for AVC samples

Sample ID	m6A cluster
GSM2732199	A
GSM2732200	A
GSM2732201	A
GSM2732202	A
GSM2732203	A
GSM2732204	B
GSM2732205	A
GSM2732206	B
GSM2732207	A
GSM2732208	B
GSM2732209	B
GSM2732210	B
GSM2732211	A
GSM2732212	B
GSM2732213	A
GSM2732214	A
GSM2732215	B
GSM2732216	A
GSM2732217	B
GSM2732218	B
GSM2732219	A
GSM2732220	A
GSM2732221	A
GSM2732222	A
GSM2732223	B
GSM2732224	A
GSM2732225	A
GSM2732226	A
GSM2732227	B
GSM2732228	A
GSM2732229	B
GSM2732230	A
GSM2732231	A
GSM2732232	A
GSM2732233	A
GSM2732234	B
GSM2732235	A
GSM2732236	A
GSM2732237	B
GSM2732238	B
GSM2732239	B
GSM2732240	B
GSM2732241	A
GSM2732242	B
GSM2732243	B
GSM2732244	B
GSM2732245	A
GSM2732246	A
GSM2732247	A
GSM2732248	A
GSM2732249	A
GSM2732250	A
GSM2732251	A
GSM2732252	A
GSM2732253	A
GSM2732254	A
GSM2732255	A
GSM2732256	A
GSM2732257	B
GSM2732258	B
GSM2732259	B
GSM2732260	A
GSM2732261	A
GSM2732262	B
GSM2732263	B
GSM2732264	A
GSM2732265	A
GSM2732266	A
GSM2732267	A
GSM2732268	B
GSM2732269	B
GSM2732270	A
GSM2732271	B
GSM2732272	A
GSM2732273	A
GSM2732274	A
GSM2732275	B
GSM2732276	A
GSM2732277	A
GSM2732278	A
GSM2732279	B
GSM2732280	B
GSM2732281	A
GSM2732282	B
GSM2732283	A
GSM2732284	A
GSM2732285	A
GSM2732286	A
GSM2732287	A
GSM2732288	A
GSM2732289	A
GSM2732290	A
GSM2732291	A
GSM2732292	B
GSM2732293	A
GSM2732294	A
GSM2732295	B
GSM2732296	A
GSM2732297	A
GSM2732298	B
GSM2732299	A
GSM2732300	B
GSM2732301	A
GSM2732302	A
GSM2732303	B
GSM2732304	B
GSM2732305	B
GSM2732306	B
GSM2732307	B
GSM2732308	A
GSM2732309	A
GSM2732310	B
GSM2732311	A
GSM2732312	B
GSM2732313	B
GSM2732314	B
GSM2732315	A
GSM2732316	A
GSM2732317	B
GSM2732318	B
GSM2732319	B

Table S5 (continued)

Table S5 (continued)

Sample ID	m6A cluster
GSM2732320	B
GSM2732321	B
GSM2732322	A
GSM2732323	A
GSM2732324	B
GSM2732325	A
GSM2732326	A
GSM2732327	A
GSM2732328	B
GSM2732329	B
GSM2732330	A
GSM2732331	A
GSM2732332	A
GSM2732333	B
GSM2732334	B
GSM2732335	A
GSM2732336	B
GSM2732337	B
GSM2732338	B
GSM2732339	A
GSM2732340	B
GSM2732341	B
GSM2732342	A
GSM2732343	A
GSM2732344	A
GSM2732345	B
GSM2732346	B
GSM2732347	A
GSM2732348	A
GSM2732349	A
GSM2732350	B
GSM2732351	A
GSM2732352	A
GSM2732353	A
GSM2732354	B
GSM2732355	A
GSM2732356	B
GSM2732357	B
GSM2732358	B
GSM2732359	A
GSM2732360	A
GSM2732361	B
GSM2732362	B
GSM2732363	B
GSM2732364	B
GSM2732365	A
GSM2732366	A
GSM2732367	A
GSM2732368	A
GSM2732369	B
GSM2732370	A
GSM2732371	B
GSM2732372	A
GSM2732373	B
GSM2732374	B
GSM2732375	A
GSM2732376	B
GSM2732377	B
GSM2732378	A
GSM2732379	B
GSM2732380	B
GSM2732381	A
GSM2732382	A
GSM2732383	B
GSM2732384	B
GSM2732385	A
GSM2732386	A
GSM2732387	B
GSM2732388	B
GSM2732389	B
GSM2732390	B
GSM2732391	B
GSM2732392	B
GSM2732393	A
GSM2732394	A
GSM2732395	A
GSM2732396	A
GSM2732397	B
GSM2732398	B
GSM2732399	B
GSM2732400	A
GSM2732401	B
GSM2732402	A
GSM2732403	B
GSM2732404	A
GSM2732405	B
GSM2732406	B
GSM2732407	B
GSM2732408	B
GSM2732409	B
GSM2732410	B
GSM2732411	B
GSM2732412	B
GSM2732413	A
GSM2732414	B
GSM2732415	B
GSM2732416	A
GSM2732417	B
GSM2732418	B
GSM2732419	A
GSM2732420	B
GSM2732421	A
GSM2732422	B
GSM2732423	A
GSM2732424	B
GSM2732425	A
GSM2732426	B
GSM2732427	B
GSM2732428	A
GSM2732429	B
GSM2732430	B
GSM2732431	A
GSM2732432	B
GSM2732433	A
GSM2732434	B
GSM2732435	B
GSM2732436	B
GSM2732437	A
GSM2732438	B

m6A, N6-methyladenosine; AVC, aortic valve calcification.

Table S6 Consistency gene cluster analysis for AVC samples

Sample ID	Gene cluster
GSM2732199	A
GSM2732200	B
GSM2732201	A
GSM2732202	B
GSM2732203	A
GSM2732204	B
GSM2732205	B
GSM2732206	B
GSM2732207	A
GSM2732208	A
GSM2732209	B
GSM2732210	B
GSM2732211	B
GSM2732212	A
GSM2732213	A
GSM2732214	A
GSM2732215	A
GSM2732216	B
GSM2732217	A
GSM2732218	A
GSM2732219	A
GSM2732220	A
GSM2732221	B
GSM2732222	B
GSM2732223	A
GSM2732224	A
GSM2732225	A
GSM2732226	B
GSM2732227	A
GSM2732228	A
GSM2732229	B
GSM2732230	B
GSM2732231	A
GSM2732232	A
GSM2732233	B
GSM2732234	A
GSM2732235	B
GSM2732236	A
GSM2732237	A
GSM2732238	A
GSM2732239	A
GSM2732240	A
GSM2732241	B
GSM2732242	A
GSM2732243	A
GSM2732244	B
GSM2732245	B
GSM2732246	A
GSM2732247	B
GSM2732248	A
GSM2732249	B
GSM2732250	A
GSM2732251	A
GSM2732252	B
GSM2732253	B
GSM2732254	A
GSM2732255	B
GSM2732256	B
GSM2732257	B
GSM2732258	B
GSM2732259	A
GSM2732260	A
GSM2732261	B
GSM2732262	A
GSM2732263	A
GSM2732264	B
GSM2732265	A
GSM2732266	A
GSM2732267	A
GSM2732268	A
GSM2732269	A
GSM2732270	B
GSM2732271	A
GSM2732272	A
GSM2732273	B
GSM2732274	B
GSM2732275	B
GSM2732276	B
GSM2732277	A
GSM2732278	B
GSM2732279	A
GSM2732280	A
GSM2732281	B
GSM2732282	A
GSM2732283	B
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GSM2732291	B
GSM2732292	A
GSM2732293	B
GSM2732294	A
GSM2732295	B
GSM2732296	B
GSM2732297	A
GSM2732298	B
GSM2732299	A
GSM2732300	A
GSM2732301	B
GSM2732302	B
GSM2732303	B
GSM2732304	A
GSM2732305	A
GSM2732306	B
GSM2732307	A
GSM2732308	B
GSM2732309	B
GSM2732310	A
GSM2732311	B
GSM2732312	A
GSM2732313	A
GSM2732314	A
GSM2732315	B
GSM2732316	B
GSM2732317	B
GSM2732318	B

Table S6 (continued)

Table S6 (continued)

Sample ID	Gene cluster
GSM2732319	A
GSM2732320	A
GSM2732321	A
GSM2732322	B
GSM2732323	B
GSM2732324	A
GSM2732325	B
GSM2732326	B
GSM2732327	B
GSM2732328	B
GSM2732329	A
GSM2732330	B
GSM2732331	A
GSM2732332	B
GSM2732333	A
GSM2732334	A
GSM2732335	B
GSM2732336	B
GSM2732337	B
GSM2732338	B
GSM2732339	B
GSM2732340	B
GSM2732341	A
GSM2732342	B
GSM2732343	B
GSM2732344	B
GSM2732345	A
GSM2732346	B
GSM2732347	B
GSM2732348	B
GSM2732349	A
GSM2732350	A
GSM2732351	B
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GSM2732366	B
GSM2732367	A
GSM2732368	B
GSM2732369	A
GSM2732370	B
GSM2732371	A
GSM2732372	B
GSM2732373	B
GSM2732374	A
GSM2732375	B
GSM2732376	B
GSM2732377	A
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GSM2732379	A
GSM2732380	A
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GSM2732382	A
GSM2732383	B
GSM2732384	A
GSM2732385	A
GSM2732386	A
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GSM2732389	A
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GSM2732393	B
GSM2732394	A
GSM2732395	B
GSM2732396	A
GSM2732397	A
GSM2732398	A
GSM2732399	A
GSM2732400	B
GSM2732401	A
GSM2732402	B
GSM2732403	A
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GSM2732408	A
GSM2732409	A
GSM2732410	A
GSM2732411	A
GSM2732412	A
GSM2732413	B
GSM2732414	B
GSM2732415	B
GSM2732416	B
GSM2732417	A
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GSM2732425	B
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GSM2732427	A
GSM2732428	B
GSM2732429	A
GSM2732430	A
GSM2732431	A
GSM2732432	A
GSM2732433	A
GSM2732434	A
GSM2732435	A
GSM2732436	A
GSM2732437	B
GSM2732438	A

AVC, aortic valve calcification.