

Tab.1 The common DEGs of circulation system and cardiovascular disease-related genes

编号	Gene ID	Gene symbol
1	ENSDARG00000001870	atp1a1a
2	ENSDARG00000004931	slc8a3
3	ENSDARG00000008772	cacng1a
4	ENSDARG00000010472	atp1a2a
5	ENSDARG00000013755	acnt3a
6	ENSDARG00000014804	cacna2d1a
7	ENSDARG00000018259	atp1a3a
8	ENSDARG00000019367	tgfb3
9	ENSDARG00000020574	atp2a1
10	ENSDARG00000020610	tnnt2a
11	ENSDARG00000024141	cav3
12	ENSDARG00000029764	mef2ca
13	ENSDARG00000032242	tnnt2c
14	ENSDARG00000032976	cmlc1
15	ENSDARG00000039173	ctslb
16	ENSDARG00000039832	gsta2
17	ENSDARG00000041799	gja1
18	ENSDARG00000042245	myl13
19	ENSDARG00000042428	gstt1
20	ENSDARG00000042552	cacna1s
21	ENSDARG00000053201	zgc:172323
22	ENSDARG00000054931	ppp2r5b
23	ENSDARG00000058656	desma
24	ENSDARG00000062592	myl10
25	ENSDARG00000070923	zgc:158296
26	ENSDARG00000075549	cdh5
27	ENSDARG00000075924	rapgef4

28	ENSDARG00000076833	atp1b1b
29	ENSDARG00000079564	myh7
30	ENSDARG00000087574	nox1
31	ENSDARG00000089806	si:dkey-239j18.3
32	ENSDARG00000103747	cav1
33	ENSDARG00000103969	smhc2
34	ENSDARG00000114031	myh7
35	ENSDARG00000114818	CU633479.5
36	ENSDARG00000115657	prkca
37	ENSDARG00000116713	si:ch73-265d7.2
38	MSTRG.11363	itgb1
39	MSTRG.1910	mef2c
40	MSTRG.25366	ppp2r3b
41	MSTRG.7667	acta1
42	MSTRG.8268	ctsv

Tab.2 The common HDEGs of circulation system and cardiovascular disease-related genes

编号	Gene ID	Gene symbol
1	ENSDARG00000008772	cacng1
2	ENSDARG00000010472	atp1a2a
3	ENSDARG00000018259	atp1a3a
4	ENSDARG00000020574	atp2a1
5	ENSDARG00000032242	tnnt2c
6	ENSDARG00000032976	cmlc1
7	ENSDARG00000042245	myl13
8	ENSDARG00000042552	cacna1s
9	ENSDARG00000076833	atp1b1b
10	ENSDARG00000079564	myh7
11	MSTRG.7667	acta1