Supplementary Data

Supplementary Table 1. Polymorphisms identified in EvC cohort.

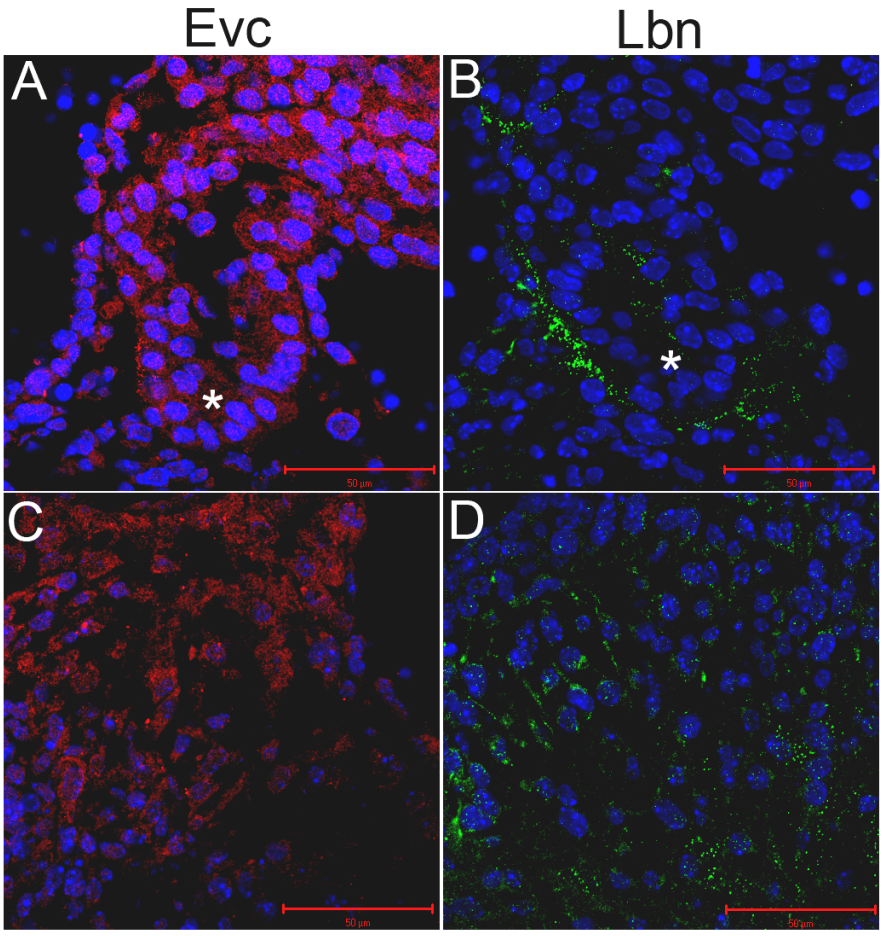
	Reported Polymorphisms	Unreported polymorphisms		
		Sequence Change	Exon	Protein Effect
EVC	rs16837598	G1500A	11	M499I
	rs6446393			
	rs6414624			
	rs4688962			
	rs468893			
	rs33929747			
	rs28483498			
	rs2302075			
	rs1383180			
	rs11737221			
LBN	rs4689278	C3505T	20	H1169Y
	rs730469	T2039C	14	R>R
		C2129T	14	H>H

Supplementary Table 2: Primer sequences for *EVC* (5'→3') amplification

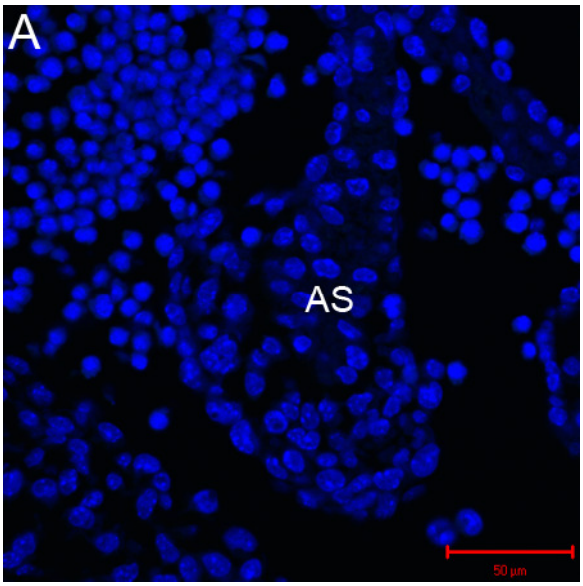
Exon	Forward	Reverse
1	TGCAGCAGGCGGCGGGATGCGGCG	GCCCCGCCGCTGTCTGCTCG
2	GACTGGGGGAGTTGACTGGC	GTCTGCGCATTTGACTGTATGTAA
3	GAAAGTTTCCCATGCCGTTTGT	CAATCTCTGGCACATGACGGAAGT
4	GGCTAGCGTGAATCACTGGTAGA	TCCTCTGACAATGATGTGACTCCC
5	GTACTGATGAGGGACGTGCCAATA	ATCTTTCTGCTGAGGCCCCTAC
6	AGCAAAAGACAAAAATACCAT	TGTAATAAGCTATTTTATACATGA
7	CCCAGAGCATTTAACTATTGTT	TATTAGGCACACTTCTAACTATCA
8	ACTGTAGAACGTGATTGTTGCC	TTAGATTTAAGGATGTCAAGCC
9	CCGCTTCCCAGGCAGTGCATTAGT	GGGACCCAGAAGGCCAGTGTTGTG
10	GGCTCACAGAGTCACCTCCTATGC	ATGAATACCTCCGGCGTCCC
11	ACCCTGCATGTTTCTACCAGACTC	GGAGGATGTGAGGTTCTCGCACAC
12	GTGTCTTGTGGGAGGCTTGTGG	GAGGCAACAGTCATCTCCGTAGA
13	AAGAGAAAATGTTAATGAAATCGG	CTGAGGCTGGAGGGAGCATCA
14	CGTGAAGCCAAGAGCATTGACC	TGGCAAACCTGCTGGAAGCTG

15	CTTCTCTGTGAGAGGAGCACTTGG	CATGGAGAAGTCAGGCAAAGTCTA
16	TTGGTGAGTAGGTGGAAGATCTGA	TGAGACAAAGCACGGGATAAAT
17	CCAGACCTGGCACAGTGGATCCT	CTGACGGCACCACAGAGAGATATG
18	CTGCCAGCCTGCCTGCCTTCC	GCTGGCTTCAGCTATTTCTGCTCC
19	TCAGTGGCCAGCCTCAAGTGTC	TTAGTGGCCAGTGTGGAACTAGAA
20	GCCTCAGTTTCCTCATTAGTTGA	CACACAGCAGCTGAGTGCATTTAC
21	TTAATCCGATTGGGTAAGTTATGG	CCGCTGTCCTCTCCGTCCTC

Supplementary Figure 1.



SUPPLEMENTARY FIGURE 1. EVC and LBN are expressed in the same cardiac tissues during development. At 13.5 dpc EVC (red) and LBN (green) are identified in the atrial septum (A, B) and the atrioventricular cushions (C,D). The astericks in A and B indicate the tip of the atrial septum. Scale bars represent 50 uM.



SUPPLEMENTARY FIGURE 2. Negative control for tubulin staining shows staining is not due to secondary antibody (Anti-Mouse 488).