Supplementary tables

Table S1: All the primers used in the qPCR analysis.

GENE	**Forward primer (5'-3')**	**Reverse primer (5'-3')**
Fzd2	CCTCAAGGTGCCGTCCTATC	GGATCCAGAGACGGGCAAAA
Fzd4	AGCTGCAGTTCTTCCTTTGTTC	TTTCACCCAGATGTACTGATCG
β-actin	CGTGCGTGACATTAAAGAGAAGC	TGGATGCCACAGGATTCCATACC
NPPA	CCGGTACCGAAGATAACAGC	CTCCAGGAGGGTATTCACCA
NPPB	TGGGAAGTCCTAGCCAGTCTC	GCCGATCCGGTCTATCTTCTG

Table S2:All the primary antibodies used in the western blots analysis

Antibiody	Company	Catalog#	Size (kDa)	2°	RRID
Phospho-NF-κB p65 (Ser536) (93H1) Rabbit mAb #3033	Cell Signaling Technology, BOSTON	3033	65	Rabbit	AB_331284
NF-κB p65 (D14E12) XP® Rabbit mAb #8242	Cell Signaling Technology, BOSTON	8242	65	Rabbit	AB_10859369
Non-phospho (Active) β-Catenin (Ser45) (D2U8Y) XP® Rabbit mAb #19807	Cell Signaling Technology, BOSTON	19807	108	Rabbit	AB_2650576
Anti-Wnt2/IRP antibody (ab 109222)	Abcam Cambridge	ab109222	34	Rabbit	AB_10862500
Anti-TGF beta 1 antibody(ab92486)	Abcam Cambridge	ab92486	44	Rabbit	AB_10562492
Anti-Frizzled 4 antibody (ab83042)	Abcam Cambridge	ab83042	65	Rabbit	AB_1860094
Anti-alpha smooth muscle Actin antibody (ab5694)	Abcam Cambridge	(ab5694)	42	Rabbit	AB_2223021
Frizzled 2 Polyclonal Antibody	Proteintech Chicago	24272-1-AP	64	Rabbit	AB_2879463
MMP2 Polyclonal	Proteintech	10373-2-	72	Rabbit	AB_2250823

Antibody	Chicago	AP			
MMP9(N-Terminal) Polyclonal Antibody	Proteintech Chicago	10375-2-AP	105	Rabbit	AB_10897178
Collagen Type III (N-Terminal) Polyclonal Antibody	Proteintech Chicago	22734-1-AP	185	Rabbit	AB_2879158
HRP-Conjugated GAPDH Monoclonal Antibody	Proteintech Chicago	HRP-60004	36	Mouse	AB_2737588
HRP-Conjugated Beta Actin Monoclonal Antibody	Proteintech Chicago	HRP-60008	42	Mouse	AB_2819183
CTGF Polyclonal Antibody	Proteintech Chicago	23936-1-AP	42	Rabbit	AB_2736836
Wnt-4 Antibody	R&D Systems Minnesota	AF475	42	Goat	AB_355382
Anti-Collagen Type I Antibody	Millipore Temecula	ABT123	180	Rabbit	AB_521242
LRP6 (C47E12) Rabbit mAb #3395	Cell Signaling Technology, BOSTON	3395	210	Rabbit	AB_1950408
β-Catenin (D10A8) XP® Rabbit mAb #8480	Cell Signaling Technology, BOSTON	8480	108	Rabbit	AB_11127855
Lamin B1 (D9V6H) Rabbit mAb #13435	Cell Signaling Technology, BOSTON	13435	68	Rabbit	AB_2737428
Phospho-Smad2 (Ser465/467)/Smad3 (Ser423/425) (D27F4) Rabbit mAb #8828	Cell Signaling Technology, BOSTON	8828	52,60	Rabbit	AB_2631089
Wnt5a Antibody	GeneTex, California	GTX111187	42	Rabbit	AB_10617364
Wnt11 Antibody	GeneTex, California	GTX105971	39	Rabbit	AB_1952580

Table S3. Correlation analysis of serumWnt2 or Wnt4 level with basic and echocardiographic parameters of MI patients.

	parameters	**r**	**P**
Wnt2	Wnt4	0.250	0.009
	Sex	0.023	0.814
	Age	0.000	0.999
	SBP	-0.065	0.501
	DBP	-0.038	0.692
	Smoker	0.184	0.055
	Diabetes	0.210	0.028
	Hypertension	0.183	0.057
	LAD	0.179	0.078
	LVEF	-0.07	0.475
	LVED	0.001	0.712
	IVS	0.019	0.851
	LVPW	0.057	0.579
Wnt4	Sex	0.036	0.709
	Age	-0.05	0.595
	SBP	-0.025	0.796
	DBP	-0.045	0.639
	Smoker	-0.052	0.595
	Diabetes	0.161	0.095
	Hypertension	0.034	0.726
	LAD	0.085	0.407
	LVEF	0.001	0.990
	LVED	0.096	0.344
	IVS	0.030	0.766
	LVPW	0.023	0.824

Spearman's rank correlation coefficient was used to assess the correlation between two indicated factors. P value of < 0.05 was considered significant. SBP, systolic blood pressure; DBP, diastolic blood pressure; LVEF, Left ventricular ejection fraction; LVED, Left ventricular end diastolic diameter; LAD, Left atrium diameter; IVS, interventricular septum; LVPW, left ventricular posterior wall.