

Table SI. Sequences of primers.

Gene	Primer sequences (5'→3')
PDGF-BB	F: ACTTGAACATGACCCGAGCA
	R: GAACACCTCTGTACGCGTCT
VEGF	F: GTCGGAGAGCAACGTCACTA
	R: TCGCCTTTCGTTTTTGACCC
RUNX2	F: GCTTGATGACTCTAAACCTA
	R: AAAAAGGGCCCAGTTCTGAA
OSX	F: GAAGAAGCTCACTATGGCTC
	R: GAAAAGCCAGTTGCAGACGA
β-actin	F: ATATCGCTGCGCTGGTCGTC
	R: AGGATGGCGTGAGGGAGAGC

F, forward; R, reverse; PDGF, platelet-derived growth factor; RUNX2, runt-related transcription factor 2; OSX, Osterix.

Table SII. Raw data for the type H vessel area presented in Fig. 3B.

Group	Type H vessel area, %
TFRD	6.127±0.603 ^{ab}
TFRD+PDGF-BB-Ab	3.667±0.495 ^{ab}
PDGF-BB-Ab	0.591±0.033 ^a
CON	1.985±0.302

The data are expressed as the mean ± SD of three independent experiments. ^aP<0.05 vs. control group; ^bP<0.05 vs. PDGF-BB-Ab group. TFRD, total flavonoids of *Rhizoma drynariae*; PDGF, platelet-derived growth factor.

Table SIII. Raw data for the angiography and micro-CT analyses presented in Fig. 4B and D.

Group	Vessel volume, mm ³	BV/TV, %
TFRD	0.297±0.010 ^{ab}	53.77±0.31 ^{ab}
TFRD+PDGF-BB-Ab	0.185±0.006 ^{ab}	44.95±0.46 ^{ab}
PDGF-BB-Ab	0.058±0.003 ^a	22.18±0.93 ^a
CON	0.126±0.005	34.46±0.80

The data are expressed as the mean ± SD of three independent experiments. ^aP<0.05 vs. control group; ^bP<0.05 vs. PDGF-BB-Ab group. TFRD, total flavonoids of *Rhizoma drynariae*; PDGF, platelet-derived growth factor; BV/TV, bone tissue volume/total tissue volume.

Table SIV. Raw data for the total tube length and the number of migrated cells presented in Fig. 5C and D.

Group	Total tube length, mm	Migrated cells, n
TFRD	8.922±0.904 ^{ab}	98.239±9.667 ^{ab}
TFRD+PDGF-BB-Ab	6.721±0.695 ^{ab}	63.405±8.333 ^{ab}
PDGF-BB-Ab	2.239±0.306 ^a	27.009±5.216 ^a
CON	4.758±0.533	45.207±7.333

The data are expressed as the mean ± SD of three independent experiments. ^aP<0.05 vs. control group; ^bP<0.05 vs. PDGF-BB-Ab group. TFRD, total flavonoids of *Rhizoma drynariae*; PDGF, platelet-derived growth factor.

Table SV. Raw data for the quantification of ALP activity and PA/TA presented in Fig. 5F and H.

Group	ALP activity, fold-change	PA/TA, %
TFRD	4.330±0.518 ^{ab}	0.817±0.102 ^{ab}
TFRD+PDGF-BB-Ab	2.679±0.367 ^{ab}	0.618±0.071 ^{ab}
PDGF-BB-Ab	0.535±0.103 ^a	0.245±0.036 ^a
CON	1.000±0.000	0.467±0.053

The data are expressed as the mean ± SD of three independent experiments. ^aP<0.05 vs. control group; ^bP<0.05 vs. PDGF-BB-Ab group. TFRD, total flavonoids of *Rhizoma drynariae*; PDGF, platelet-derived growth factor; ALP, alkaline phosphatase; PA/TA, positive area/total area.

Table SVI. Raw data for the immunofluorescence analyses of RUNX2, OSX, CD31 and PDGF-BB presented in Fig. 6B.

Group	RUNX2	OSX	CD31	PDGF-BB
TFRD	9.612±0.819 ^{ab}	7.471±0.695 ^{ab}	6.115±0.603 ^{ab}	4.809±0.393 ^{ab}
TFRD+PDGF-BB-Ab	3.117±0.581 ^{ab}	3.636±0.532 ^b	3.518±0.498 ^b	3.027±0.334 ^b
PDGF-BB-Ab	0.525±0.333 ^a	0.467±0.272 ^a	0.410±0.367 ^a	0.351±0.135 ^a
CON	1.000±0.000	1.000±0.000	1.000±0.000	1.000±0.000

The data are expressed as the mean ± SD of three independent experiments. ^aP<0.05 vs. control group; ^bP<0.05 vs.

PDGF-BB-Ab group. TFRD, total flavonoids of *Rhizoma drynariae*; PDGF, platelet-derived growth factor;

RUNX2, runt-related transcription factor 2; OSX, Osterix.

Table SVII. Raw data for the western blotting analyses of PDGF-BB, VEGF, RUNX2 and OSX presented in Fig. 6D.

Group	PDGF-BB	VEGF	RUNX2	OSX
TFRD	0.897±0.054 ^{ab}	1.115±0.039 ^{ab}	0.853±0.047 ^{ab}	0.836±0.049 ^{ab}
TFRD+PDGF-BB-Ab	0.631±0.033 ^{ab}	0.753±0.042 ^b	0.591±0.019 ^b	0.642±0.029 ^b
PDGF-BB-Ab	0.104±0.007 ^a	0.216±0.010 ^a	0.315±0.014 ^a	0.225±0.012 ^a
CON	0.414±0.016	0.715±0.038	0.515±0.018	0.652±0.036

The data are expressed as the mean ± SD of three independent experiments. ^aP<0.05 vs. control group; ^bP<0.05 vs. PDGF-BB-Ab group. TFRD, total flavonoids of *Rhizoma drynariae*; PDGF, platelet-derived growth factor; RUNX2, runt-related transcription factor 2; OSX, Osterix.

Table SVIII. Raw data for the reverse transcription-quantitative PCR analysis of PDGF-BB, VEGF, RUNX2 and OSX presented in Fig. 6E.

Group	PDGF-BB	VEGF	RUNX2	OSX
TFRD	1.369±0.138 ^{ab}	1.543±0.203 ^{ab}	1.329±0.202 ^{ab}	2.166±0.289 ^{ab}
TFRD+PDGF-BB-Ab	1.174±0.116 ^{ab}	1.265±0.173 ^{ab}	0.920±0.233 ^b	1.413±0.254 ^b
PDGF-BB-Ab	0.313±0.043 ^a	0.614±0.075 ^a	0.301±0.015 ^a	0.579±0.027 ^a
CON	0.958±0.122	1.070±0.181	0.847±0.161	1.383±0.213

The data are expressed as the mean ± SD of three independent experiments. ^aP<0.05 vs. control group; ^bP<0.05 vs. PDGF-BB-Ab group. TFRD, total flavonoids of *Rhizoma drynariae*; PDGF, platelet-derived growth factor; RUNX2, runt-related transcription factor 2; OSX, Osterix.