

## Supplementary Material

**Table i.** CD markers antibodies used in this study

Markers	
<b>Haematopoietic cell markers</b>	
CD31	Phycoerythrin (PE)-conjugated anti-canine monoclonal antibody CD31-PE (Bioss Antibodies; bs-0468R-PE; Woburn, Massachusetts; 1 mg/ml)
CD34	CD34-PE (eBioscience; 12-0340-42; San Diego, California; 0.05 mg/ml)
<b>Mesenchymal stem cell markers</b>	
CD44	CD44-fluorescein isothiocyanate (FITC) (eBioscience; 11-5440-42; 0.025 mg/ml)
CD90	CD90-allophycocyanin (APC) (eBioscience; 17-5900-42; 0.1 mg/ml)

**Table ii.** Antibodies used for immunofluorescent staining in this study

Markers	1st antibody	2 <sup>nd</sup> antibody
<b>Stem cell markers</b>		
<i>Sox2</i>	Mouse anti-canine Sox2 antibody (Thermo Fisher Scientific; MA1-014; Waltham, Massachusetts; 1:200)	Donkey anti-mouse IgG (R&D; NorthernLight NL557-conjugated Antibody; NL007; Minneapolis, Minnesota; 1:500)
<i>Oct4</i>	Anti-canine Oct4 antibody (Antibodies-online; Alexa Fluor 488; ABIN 909395; Atlanta, Georgia; 1:100)	
<i>Nanog</i>	Goat anti-canine Nanog antibody (MyBioSource; MBS420182; San Diego, California; 1:100)	Donkey anti-goat IgG (R&D; NorthernLight NL557-conjugated Antibody; NL001; 1:200)
<b>Tenogenic markers</b>		
<i>TNMD</i>	FITC-conjugated anti-canine TNMD antibody (Biorbyt; orb103628; Cambridge, United Kingdom; 1:50)	
<i>TNC</i>	FITC-conjugated anti-canine TNC antibody (Biorbyt; orb16421; 1:100)	
<i>Scx</i>	Rabbit anti-canine Scx antibody (Abcam; ab58655; Cambridge, United Kingdom; 1: 100)	Goat anti-rabbit IgG H&L (Alexa Fluor 488) (Abcam; ab150081; 1:500)
<b>Cytoskeleton staining</b>		
	DyLight 554-conjugated phalloidin (Thermo Fisher Scientific; 21834; 5 U/ml)	
	Alexa Fluor 488-conjugated phalloidin (Invitrogen; A12379; Waltham, Massachusetts; 5 µl in 200 µl PBS)	

FITC, fluorescein isothiocyanate; PBS, phosphate-buffered saline