

**Supplementary Table 1. Antibodies and dilutions.**

<b>Primary antibody</b>	<b>Species</b>	<b>Dilution</b>	<b>Amplification (paraffin only)</b>	<b>Marker</b>	<b>Manufacturer</b>
c-kit	Goat	1:50	Yes	Stem cells	R&D Systems
GFP	Rabbit	1:200	Yes	Tag	Molecular Probes
Pim-1	Rabbit	1:50	Yes		CST
$\alpha$ -sarcomeric-actinin	Mouse	1:100	No	Cardiomyocyte	Sigma
Desmin	Mouse	1:100	No	Cardiomyocyte	Biosource
Myc-tag	Rabbit	1:50	No	Tag	CST
Flag-tag	Mouse	1:100	No	Tag	Stratagene
HA-tag	Mouse	1:100	No	Tag	Santa Cruz

*GFP: Green fluorescent protein.*