

1 **Supplemental information**

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3 **Table S1:** Oligonucleotide sequences of smFISH Stellaris® probe targeting *Pecam1*, related
4 to Step 6.

Oligonucleotide	Sequence (5'-3')	Oligonucleotide	Sequence (5'-3')
<i>Pecam1_1</i>	agacttctgcagactgaagc	<i>Pecam1_25</i>	gcttatctgtgaatgttgct
<i>Pecam1_2</i>	tccatatggatgctgtgat	<i>Pecam1_26</i>	gggtgggaatggcaattatc
<i>Pecam1_3</i>	tcgcatcgtccttatagaac	<i>Pecam1_27</i>	atcacaactcatccactgg
<i>Pecam1_4</i>	ctgaggaatgacgtagctct	<i>Pecam1_28</i>	ttcacagagcaccgaagta
<i>Pecam1_5</i>	catcactgtgcatttgact	<i>Pecam1_29</i>	ttgtgtgccaacgctt
<i>Pecam1_6</i>	tcaatcgtggttttctt	<i>Pecam1_30</i>	gaggctgtacagtagtactg
<i>Pecam1_7</i>	ggaacaattgaccgtcacga	<i>Pecam1_31</i>	ggcaaggaagactctgactg
<i>Pecam1_8</i>	tcgcttgacaaacttgctc	<i>Pecam1_32</i>	atgacaaccaccgcaatgag
<i>Pecam1_9</i>	cggtggaggtcttatctatc	<i>Pecam1_33</i>	gcattggctgcaactatta
<i>Pecam1_10</i>	aatggggaattccatgagca	<i>Pecam1_34</i>	ttggagttcagaagtggagc
<i>Pecam1_11</i>	aacactaacacgtggtcctg	<i>Pecam1_35</i>	ccacactaggctcagaaatc
<i>Pecam1_12</i>	gcaatttgaatccggacagg	<i>Pecam1_36</i>	gttttactgcatcttcca
<i>Pecam1_13</i>	cagggggcttgattcaaac	<i>Pecam1_37</i>	ttcacttctgtgtattcta
<i>Pecam1_14</i>	tgctactgaaactgcacc	<i>Pecam1_38</i>	aatacgtgcacaggactctc
<i>Pecam1_15</i>	ctgtaaactcctggaccaag	<i>Pecam1_39</i>	gaaggattactgcttcggt
<i>Pecam1_16</i>	tacaatgccttgtctttt	<i>Pecam1_40</i>	aggcagcggggtttaaatt
<i>Pecam1_17</i>	actgagtagacagcttact	<i>Pecam1_41</i>	tctctgtataccaacatga
<i>Pecam1_18</i>	gatacggtttgattccactt	<i>Pecam1_42</i>	atattccagggcattattct
<i>Pecam1_19</i>	gttatgttgaccatgatgct	<i>Pecam1_43</i>	agacacaacatttcagcctc
<i>Pecam1_20</i>	gaactctaactcggcttg	<i>Pecam1_44</i>	cacggagaagtactctgtct
<i>Pecam1_21</i>	cggcgatcttgcgtgaaatc	<i>Pecam1_45</i>	tgaggctctgtctcaagtga
<i>Pecam1_22</i>	aaatactgggcttcgagagc	<i>Pecam1_46</i>	aaggaagatcaagggtgcgct
<i>Pecam1_23</i>	atctcagacttggcatcatg	<i>Pecam1_47</i>	cagaccttaggaaaccgttt
<i>Pecam1_24</i>	agagtctggaagtcaacttt	<i>Pecam1_48</i>	acacaaaatgtcggcagctc

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