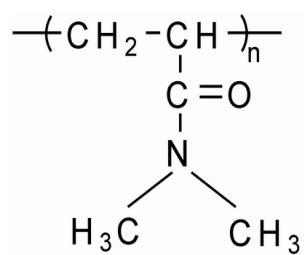




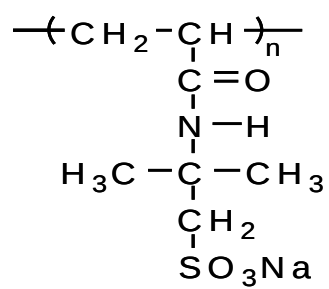
HOKKAIDO UNIVERSITY

Title	Hydrogels as feeder-free scaffolds for long-term self-renewal of mouse induced pluripotent stem (mips) cells.
Author(s)	Yang, Jing Jing; Liu, Jian Fang; Kurokawa, Takayuki et al.
Citation	Journal of Tissue Engineering and Regenerative Medicine, 9(4), 375-388 https://doi.org/10.1002/term.1640
Issue Date	2015-04
Doc URL	https://hdl.handle.net/2115/53998
Rights	This is the pre-peer-reviewed version of the following article: J Tissue Eng Regen Med. 2012 Nov 20, which has been published in final form at http://onlinelibrary.wiley.com/doi/10.1002/term.1640/abstract
Type	journal article
File Information	figuresandtables-revised-1.pdf, データ



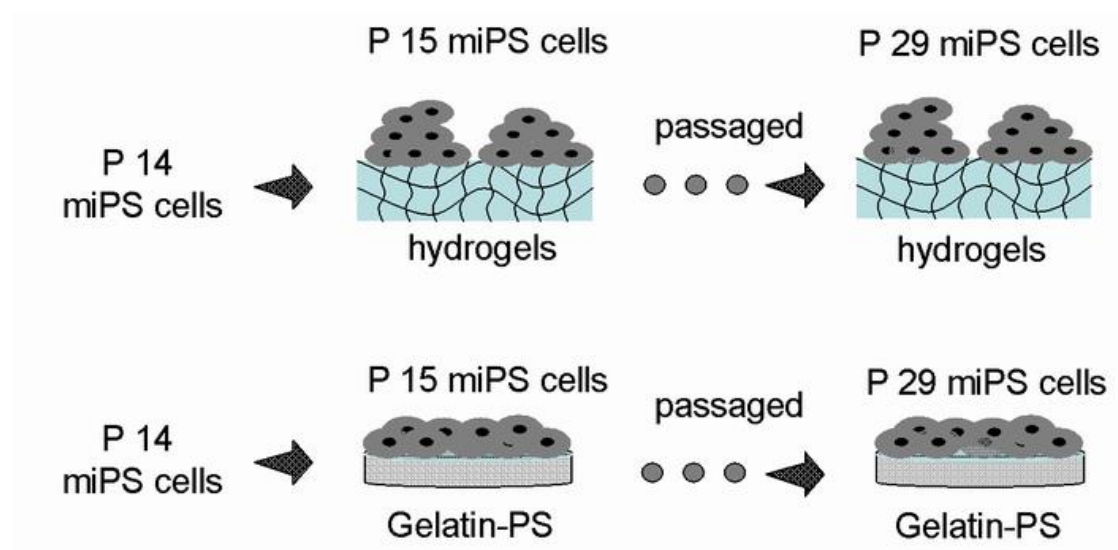


PDMAAm



PNaAMPS

Scheme 1 Yang et al.



Scheme 2 Yang et al.

<i>Gene</i>	<i>Forward</i>	<i>Reverse</i>
GAPDH	TGTGTCCGTCGTGGATCTGA	TTGCTGTTGAAGTCGCAGGAG
undifferentiated:		
Dppa5a	TCGGGCTAAATGGATGCTTCA	ACAAGGACTGGAAACTGGCTTCAC
Nanog	GAATTCTGGGAACGCCTCATC	CCTTGTCTCAGCCTCAGGACTTG
Oct-4	GGACATGAAAGCCCTGCAGAA	GACAGATGGTGGTCTGGCTGAA
Sox2	AACCGATGCACCGCTACGA	TGCTGCGAGTAGGACATGCTG
Ectoderm:		
Nes	GGGCCAGCACTCTTAGCTTTGATA	TGAGCCTTCAGGGTGATCCAG
Trp 63	CAGCAGTCAAGCACTGCCAAG	AGACAGGCATGGCACGGATAA
Otx2	CCCGGTACCCAGACATCTTCA	TTGGCAGGCCTCACTTTGTTC
Mesoderm:		
Mdfic	TCCACCAGGTATCAGGATTCCAA	TCCACATGAGCTGACTCCATCAC
E-cadherin	TTCAACGCTACCAAGCAAAGTAC	GCAGGCATGATGGATGAGTTACA
Endoderm:		
AFP	AATGGTCCGGCTGTGGTGA	CAGCAGTGGCTGATACCAGAGTTC
Ttr	AACTGGACACCAAATCGTACTGGAA	GCTGTAGGAGTATGGGCTGAGCA
Alb	AGGCTACAGCGGAGCAACTGA	TTTGCATCTAGTGACAAGGTTTGGA

GAPDH, glyceraldehyde-3-phosphate dehydrogenase.

Table 1 Yang et al.

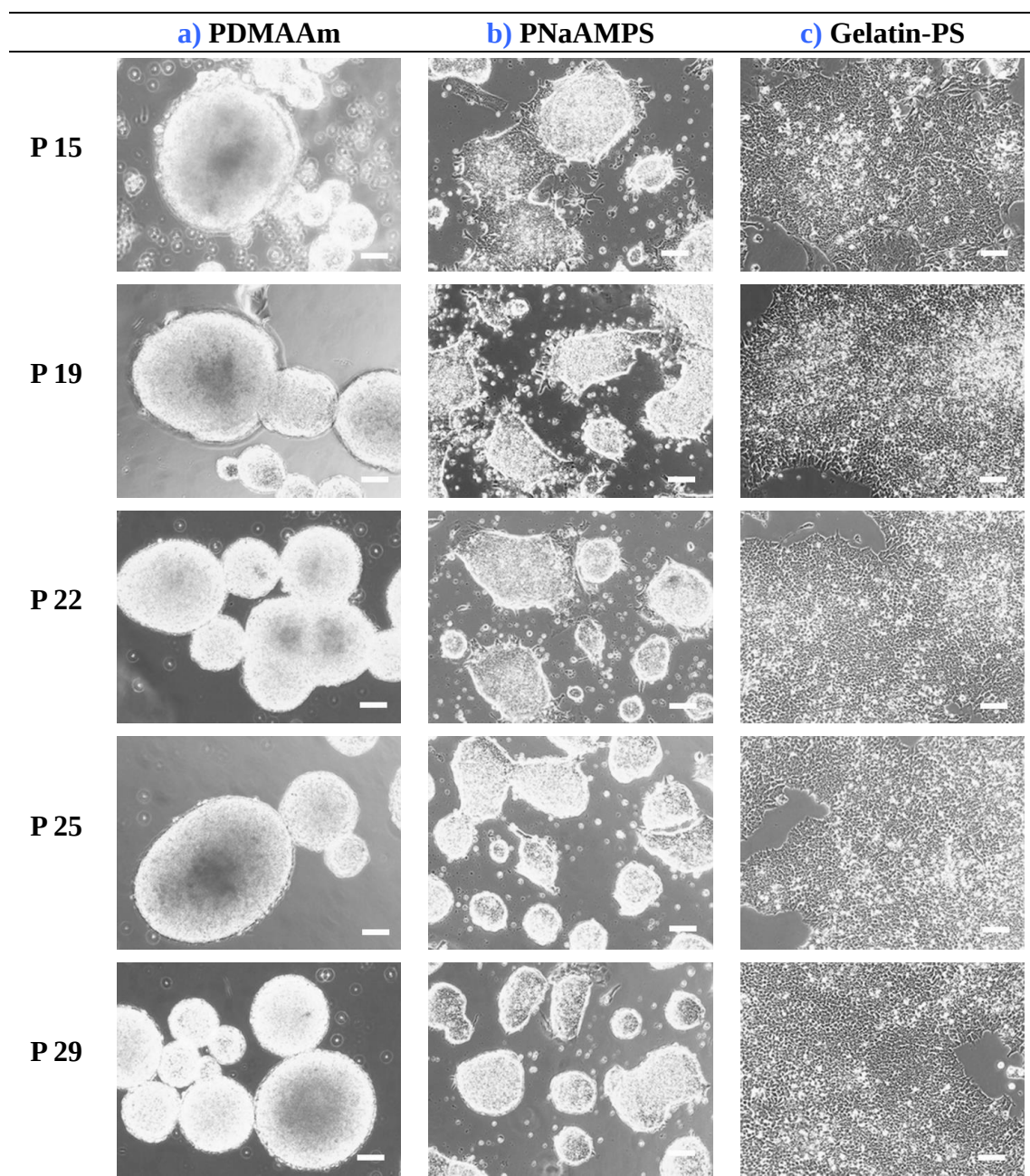


Fig. 1 Yang et al

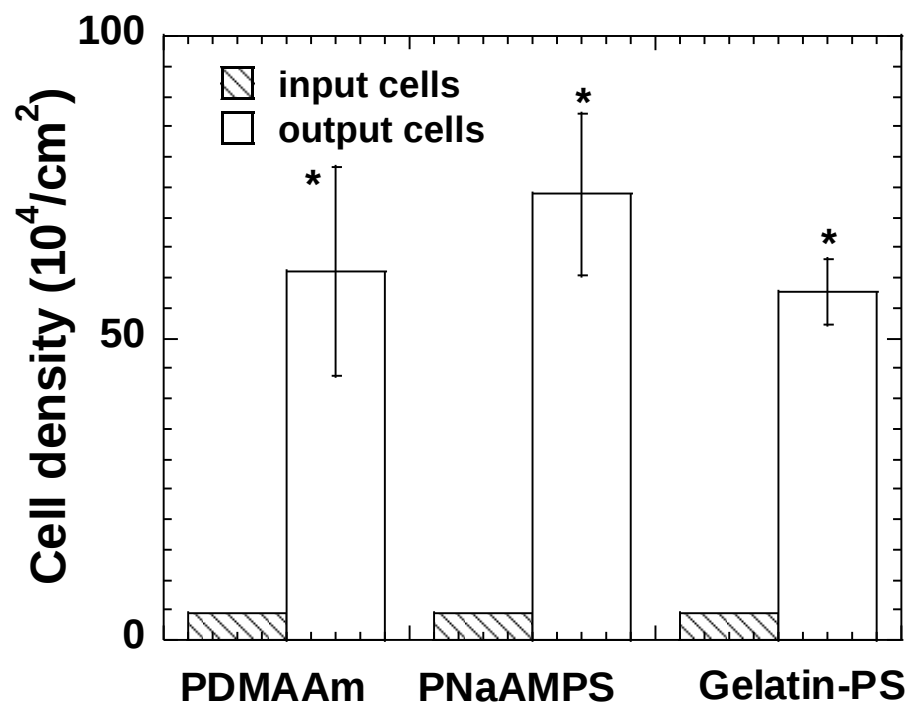


Fig. 2 Yang et al.

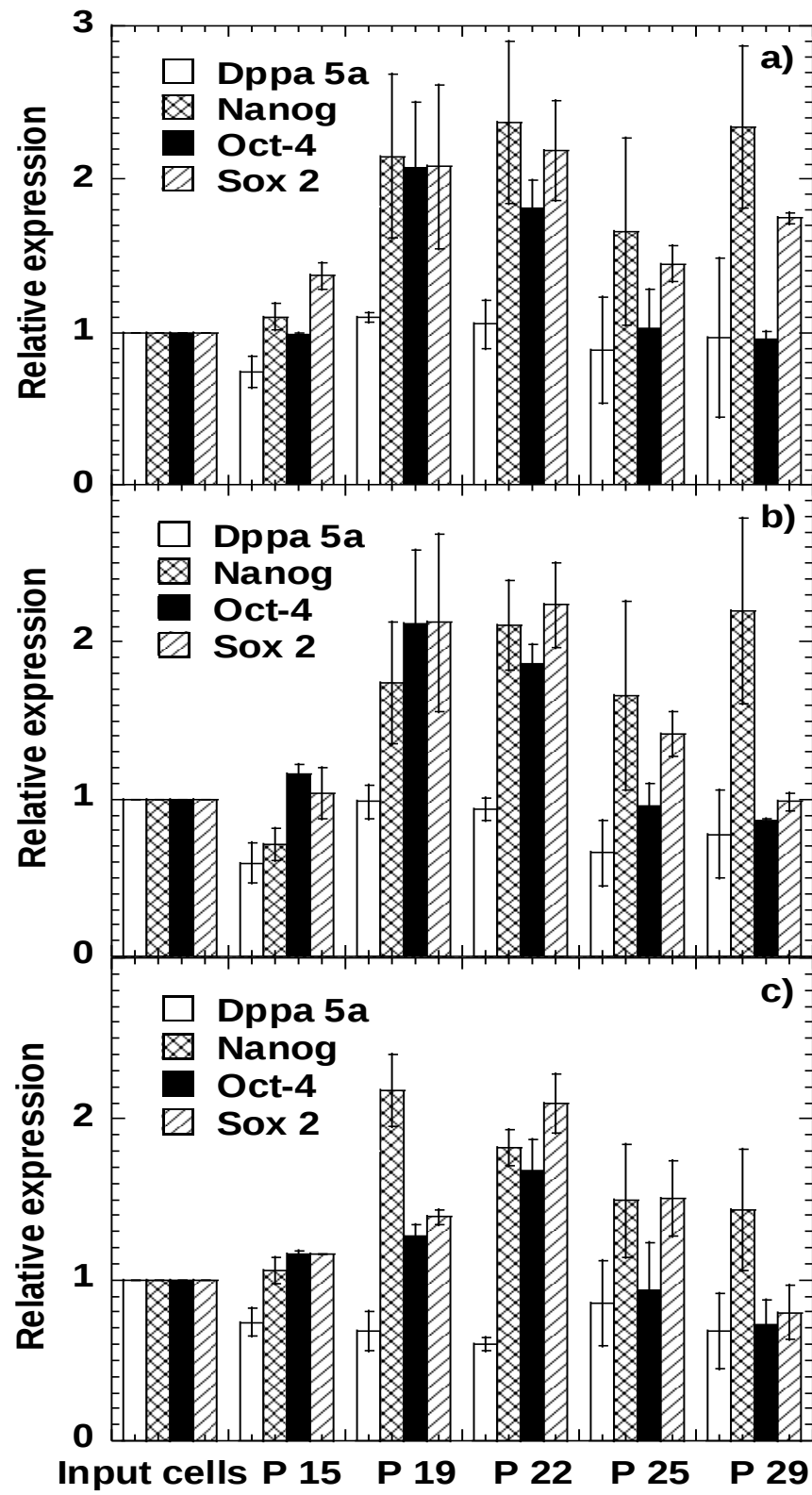
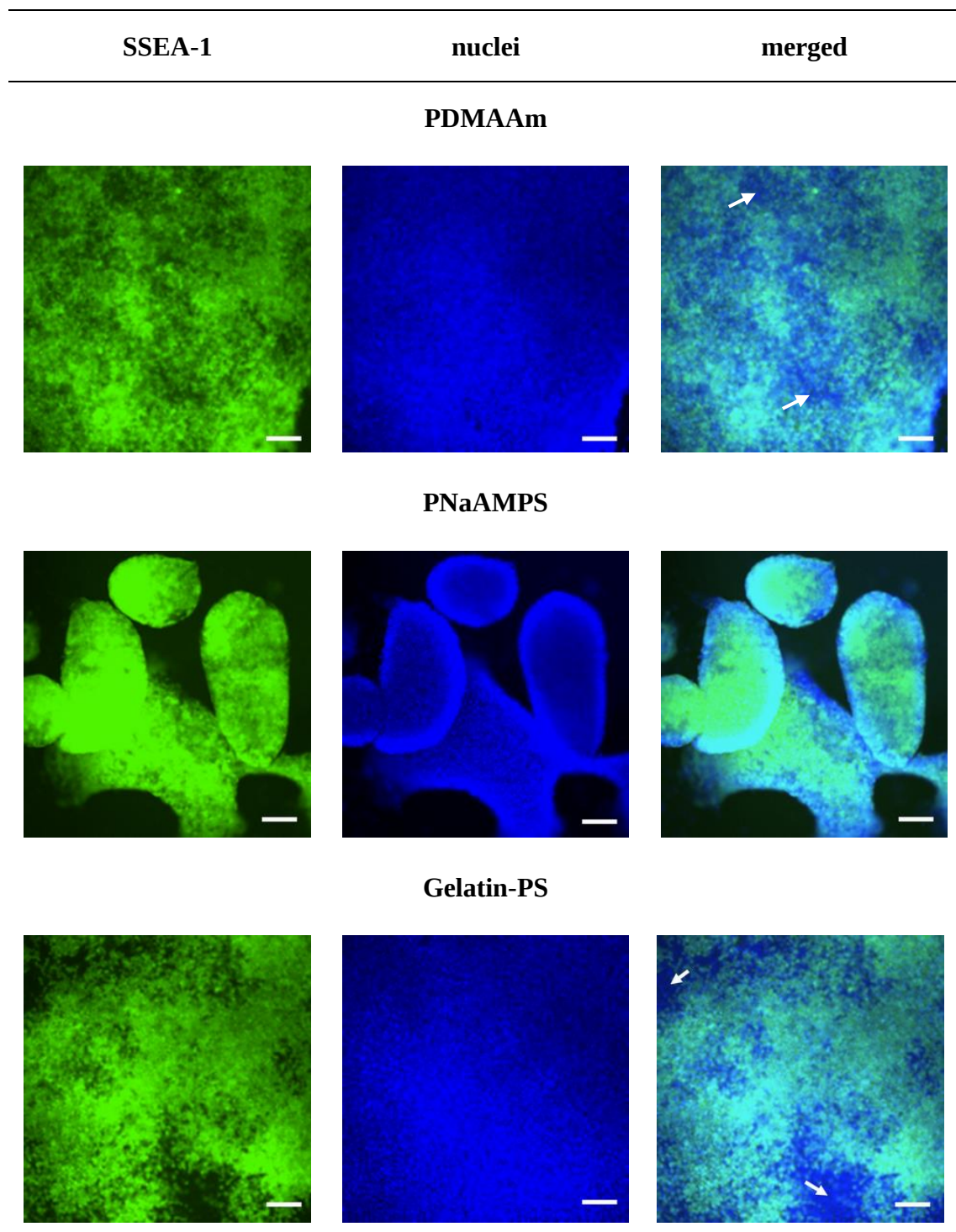
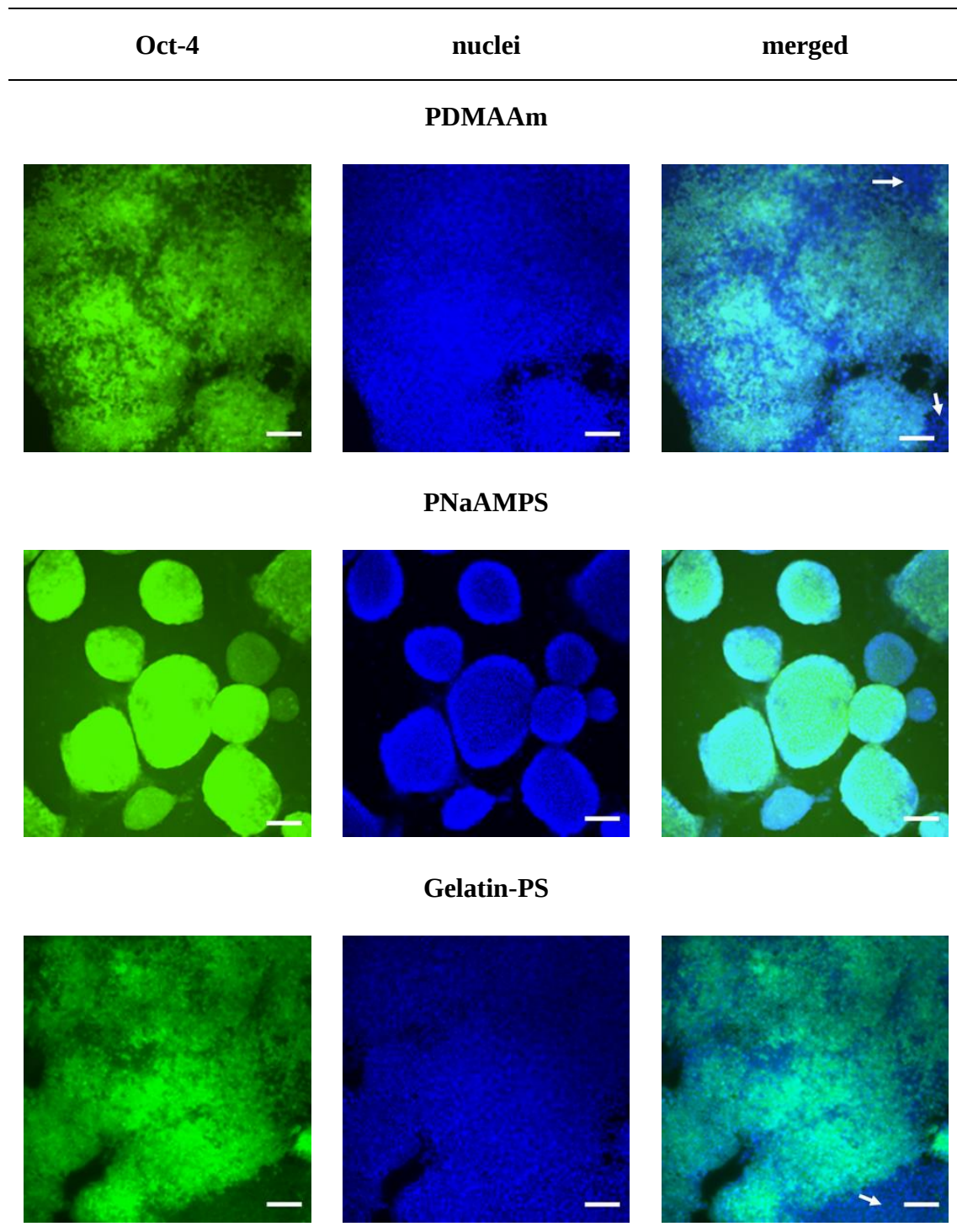


Fig. 3 Yang et al.



a)



b)

Fig. 4 Yang et al.

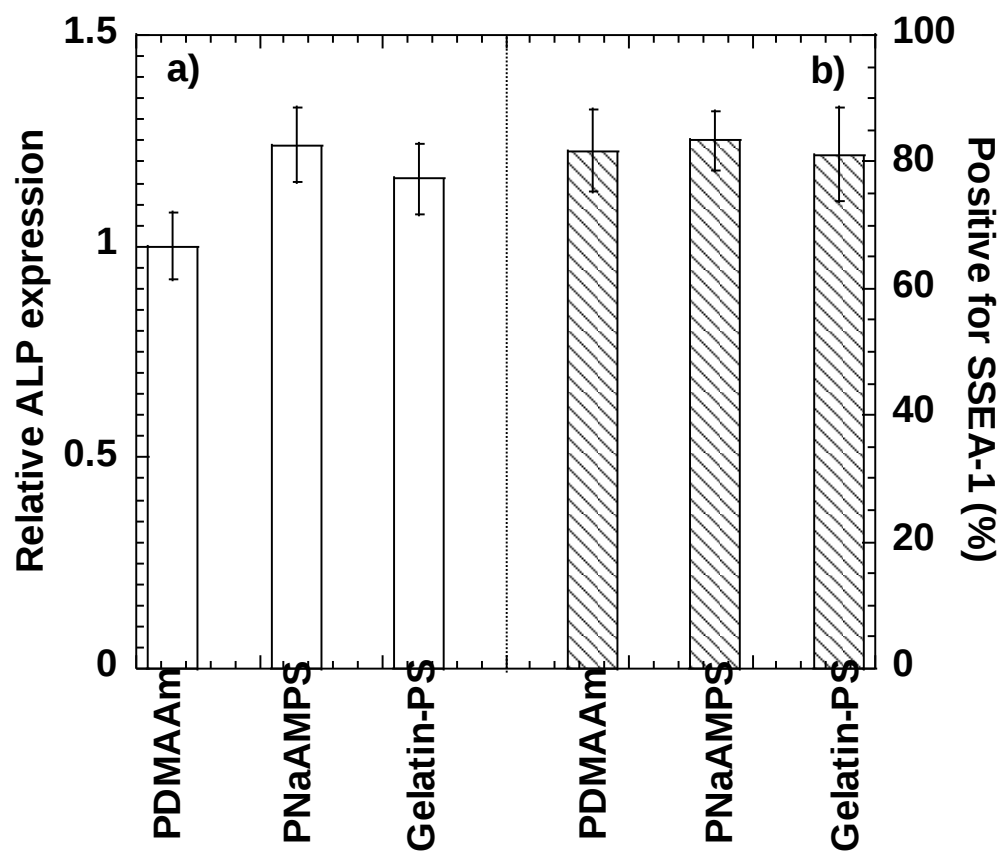


Fig. 5 Yang et al.

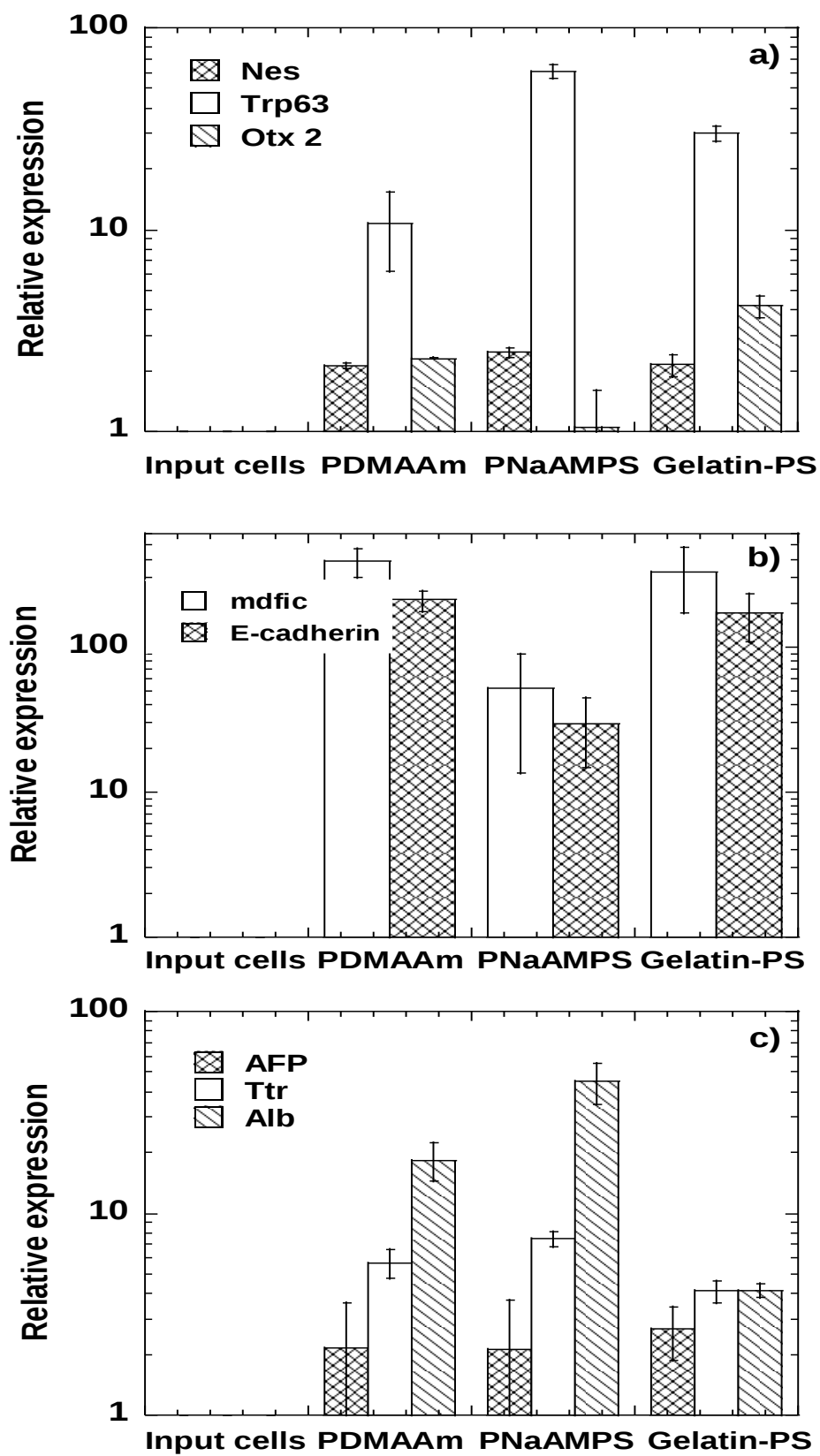
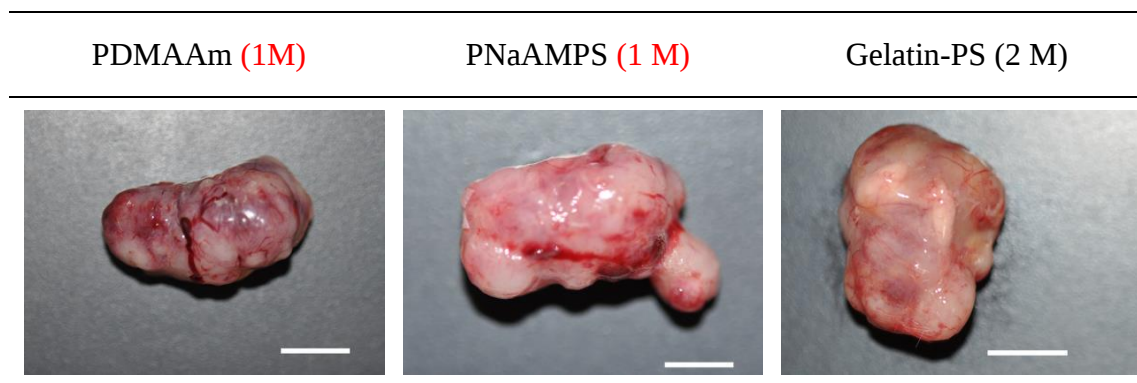
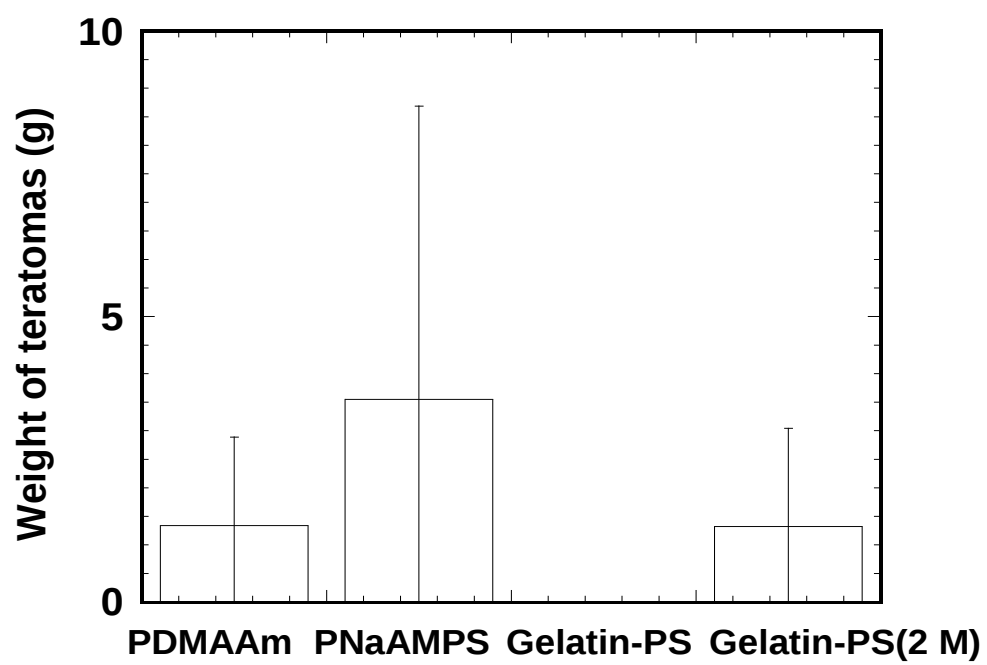


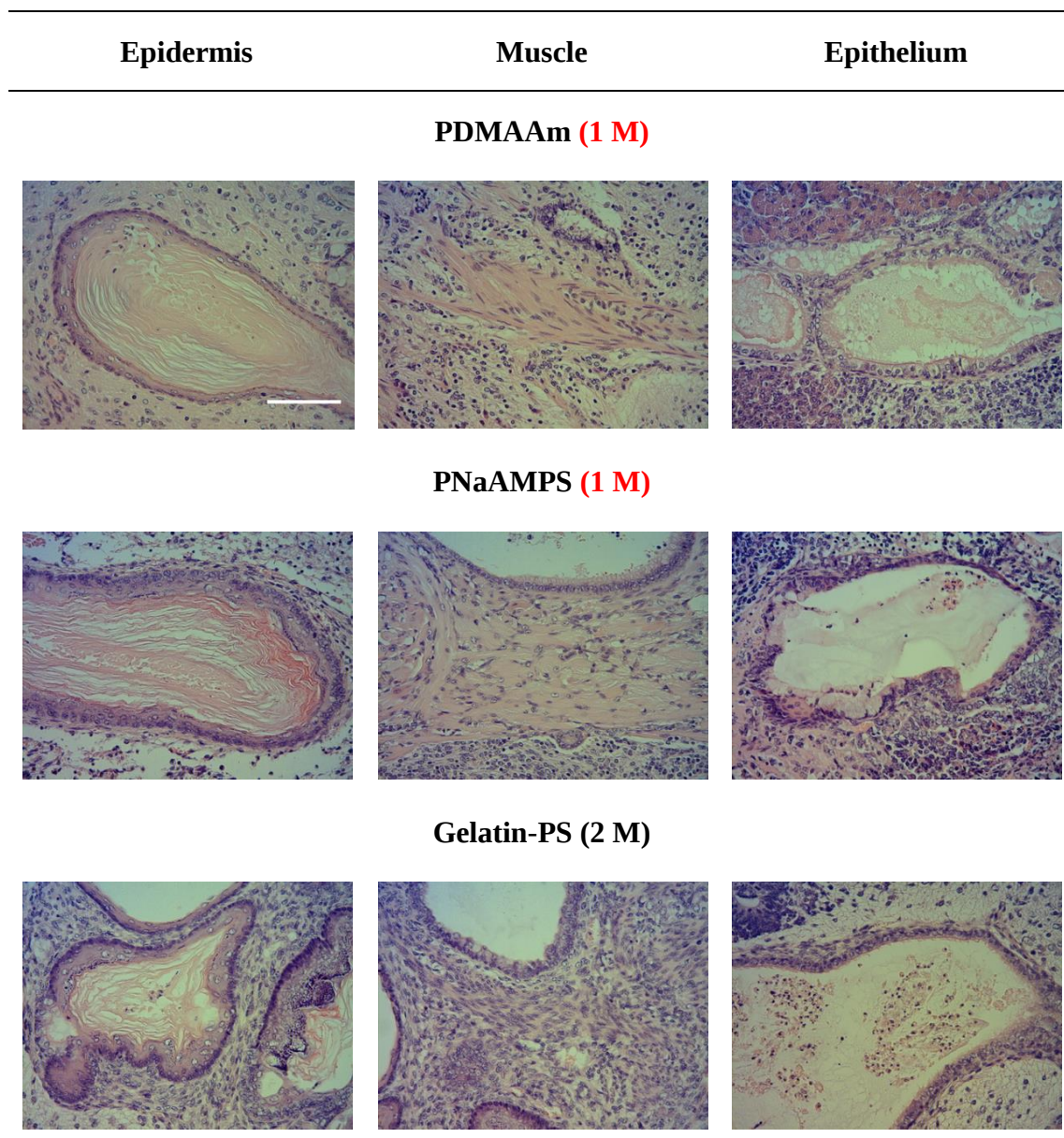
Fig. 6 Yang et al.



a)



b)



c)

Fig. 7 Yang et al.