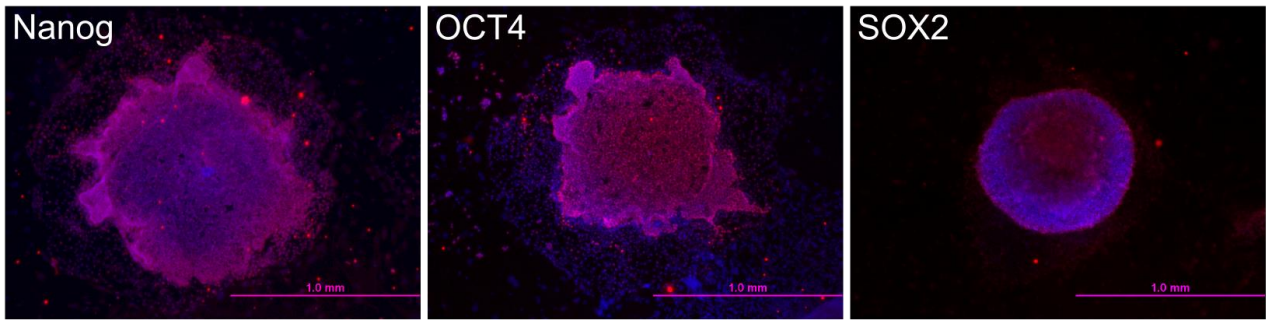
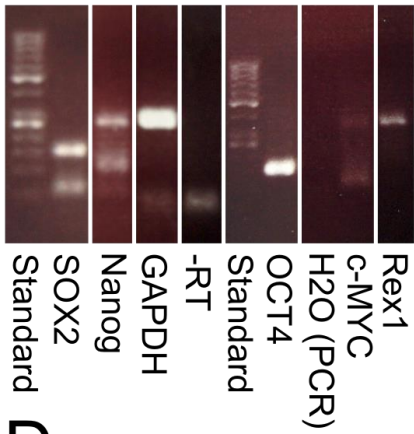


Supplementary Figure 1.

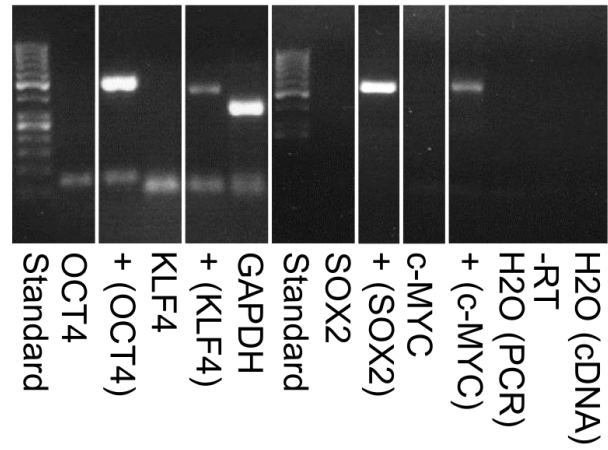
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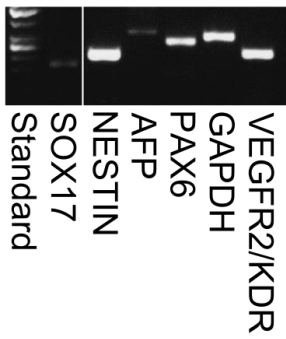
B



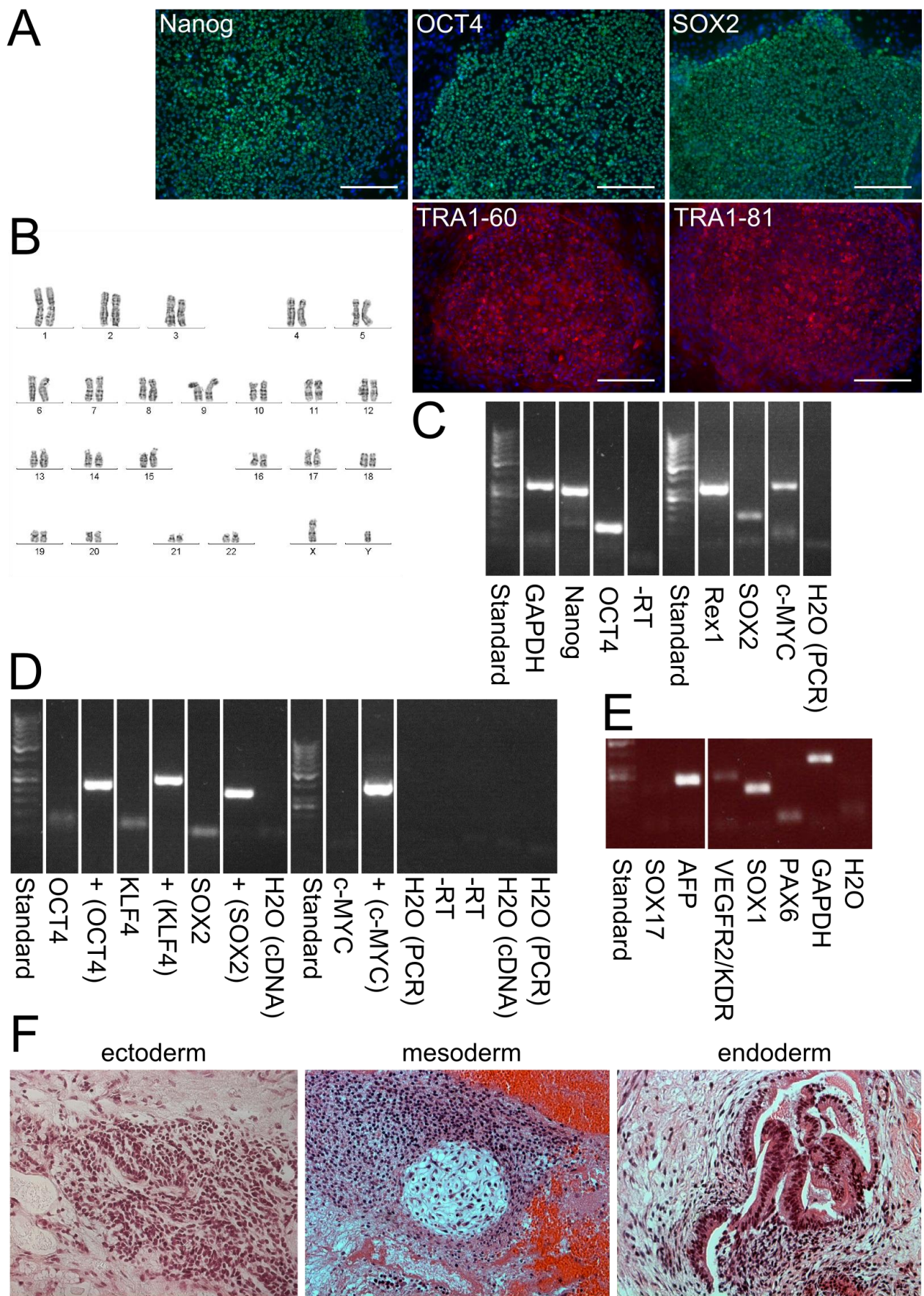
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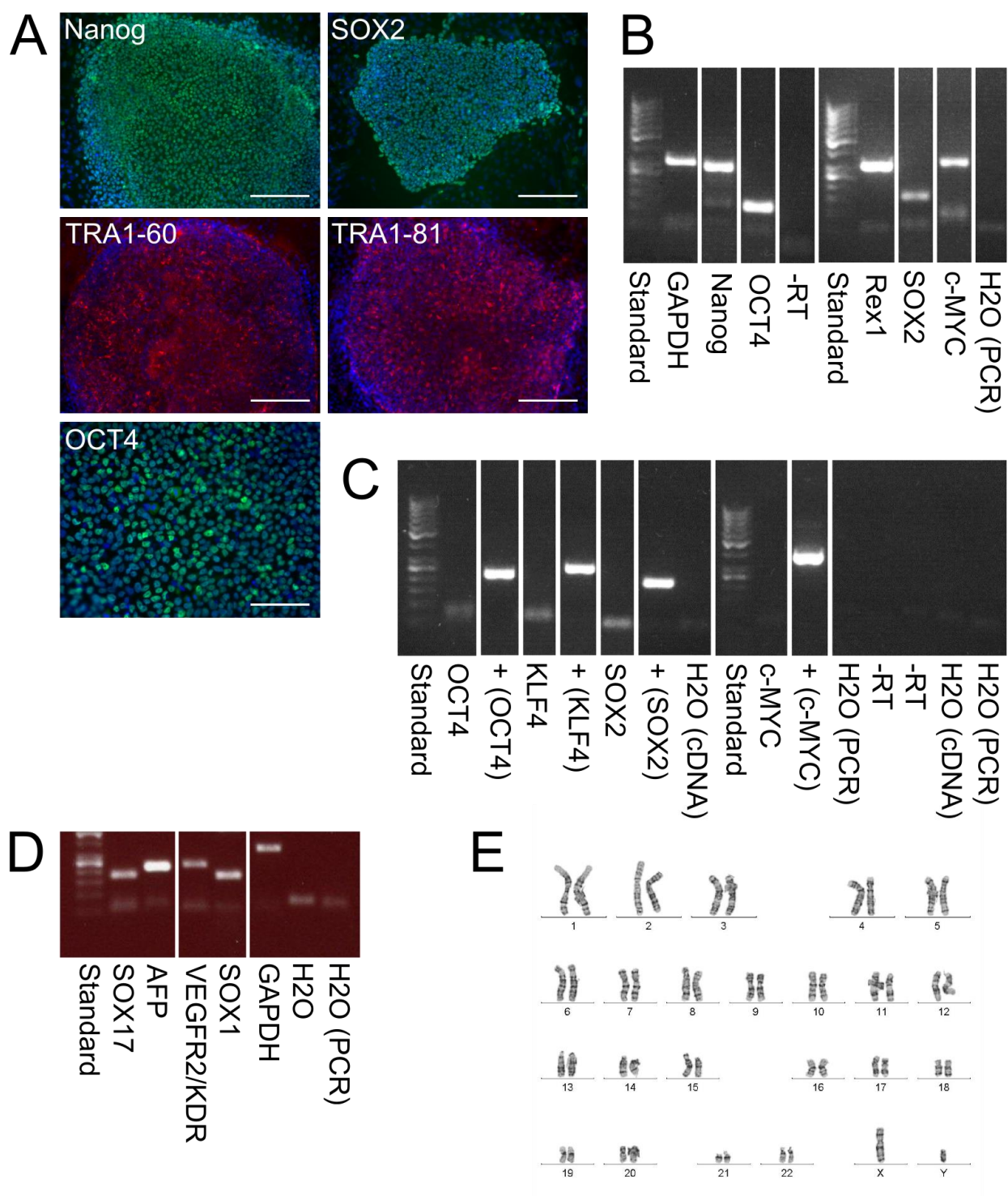
D



Supplementary Figure 2.

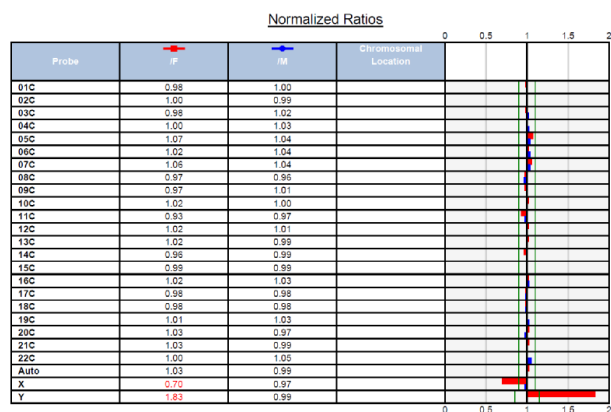
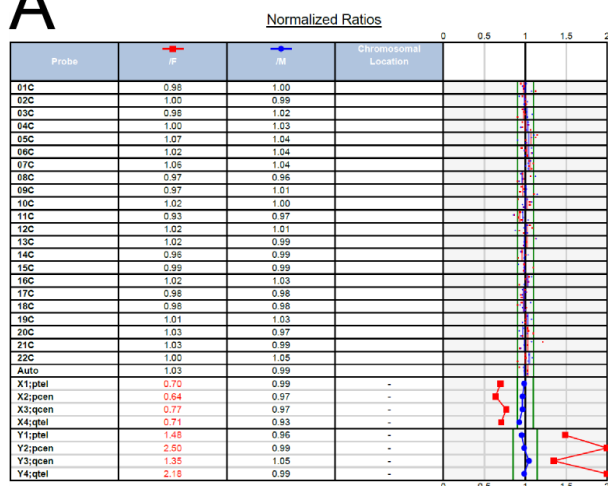


Supplementary Figure 3.

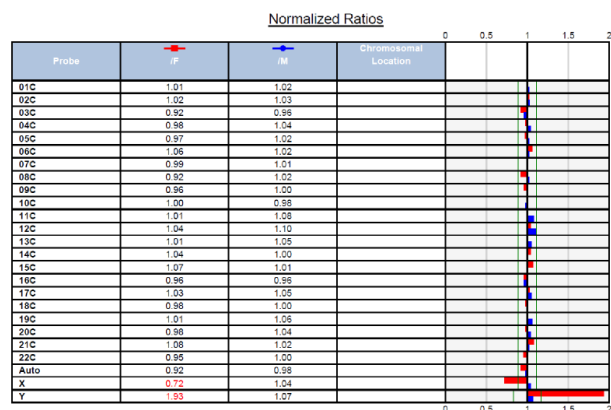
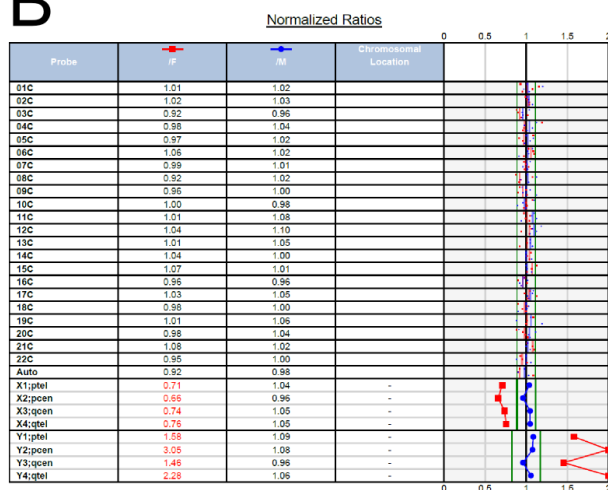


Supplementary Figure 4.

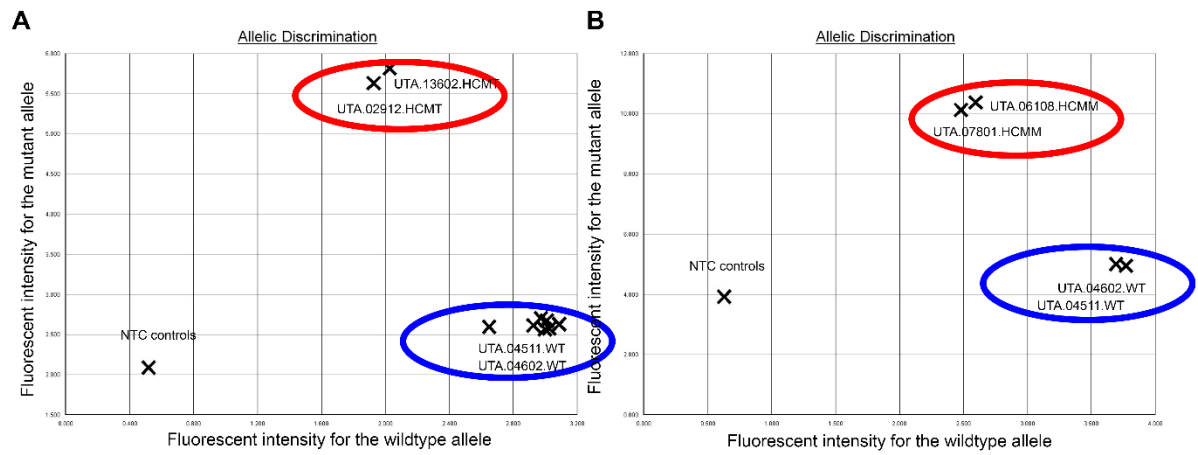
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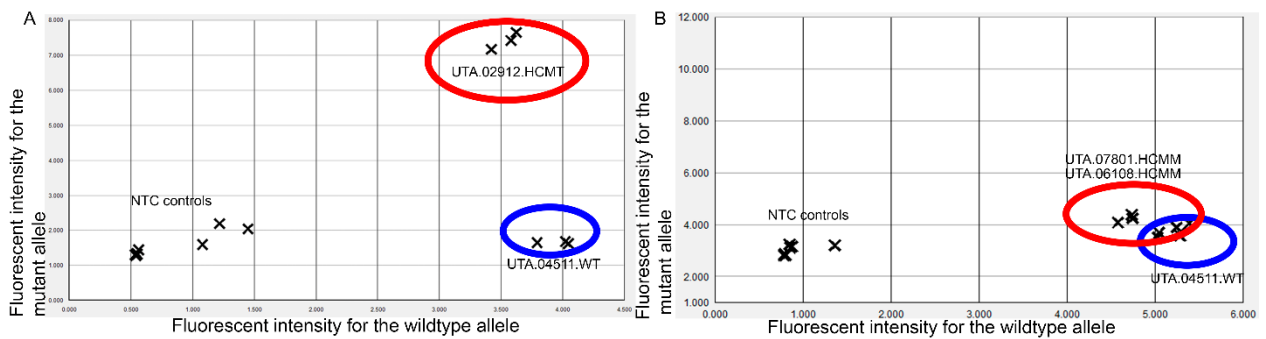
B



Supplementary Figure 5.



Supplementary Figure 6.



Supplementary Figure 7.

Mutation/application	Task	Dye	Sequence
MYBPC-genotyping	Forward primer		GCATTGAGAACATGGAGGACAAG
	Reverse primer		GCCCAGGGAAGGGAAACAAG
	Probe for the wild type allele	VIC	CCAACAACCT G CAGCAC
	Probe for the mutation allele	FAM	CCAACAACCT A CAGCAC
MYBPC-mRNA	Forward primer		GCATTGAGAACATGGAGGACAAG
	Reverse primer		TCAGTCACCCGGAGATCCT
	Probe for the wild type allele	VIC	CAACAACCT G CAGCACC
	Probe for the mutation allele	FAM	TCAACAACCT A CAGCACC
TPM1Asp175Asn-genotyping and mRNA	Forward primer		GGCCCGTAAGCTGGTCAT
	Reverse primer		CCGCTCCTCTGCACGTT
	Probe for the wild type allele	VIC	CATTGAGAGC G ACCTGG
	Probe for the mutation allele	FAM	ATTGAGAGC A ACCTGG

Supplementary Table1.