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SUPPLEMENTARY MATERIAL

corresponding to:

Induction of neural crest cells from mouse embryonic stem cells in a serum-free monolayer culture

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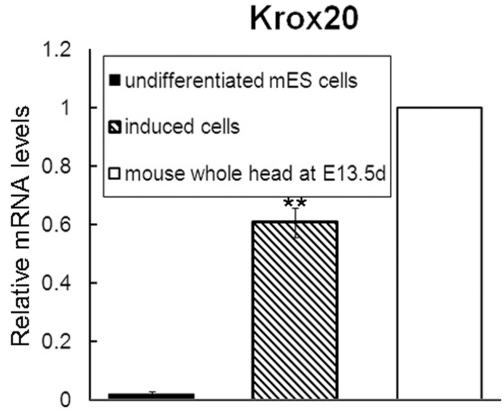

Supplementary Fig. 1. Expression of a Schwann cell marker, *Krox-20*, in cells cultured with ESF5 medium supplemented with 10 ng/ml FGF-2, 10 ng/ml BMP-4, and 10 ng/ml PDGF. *The expressions were normalized to* gapdh *mRNA, and the relative mRNA levels in the cells was relative to those in mouse whole head at E13.5d, which was taken as 1. The total RNA of the whole head of the mouse at E13.5 was used as a positive control. The values are mean ± SEM (*n *= 3) **P < 0.01 compared with undifferentiated mES cells.*

SUPPLEMENTARY TABLE 1

QUANTITATIVE PCR PRIMERS

Gene name	Primer sequence	Product size (bp)
Mpz	5'-TGCCCTGCTCTTCTCTTCTT-3'	78
	5'-GCACCATAGATTTCCCTGTCC-3'	
AP-2α	5'-CAGAGGGGCAAATCCGATCA-3'	188
	5'-GGCATTAGGGGTGTGGGACA-3'	
P75	5'-GAGTGCTGCAAAGCCTGCAA-3'	115
	5'-TGGCGCTCACCACGTCAGAG-3'	
Fgf-5	5'-CAGGGGATTGTAGGAATACGAGGAG-3'	181
	5'-ACTCTCGGCCTGTCTTTTCAGTTCT-3'	
Map2	5'-TGGGGAGCACAGGTCACAGG-3'	199
	5'-AGGCAGAGCTGCAGGCTGGT-3'	
Musashi1	5'-GTTCGGGGAGGTGAAAGAGT3'	154
	5'-CTTGGGGTCAATTGTTTTGG-3'	
Nestin	5'-CAGCAACTGGCACACCTCAAGAT-3'	153
	5'-AAGGAAATGCAGCTTCAGCTTGG-3'	
Snail	5'-CTTGTGTCTGCACGACCTGT-3'	161
	5'-CTTCACATCCGAGTGGGTTT-3'	
Slug	5'-AACATTTCAACGCCTCCAAG-3'	162
	5'-GCCGACGATGTCCATACAGT-3'	
Twist	5'-ACGCAGTCGCTGAACGAGGC-3'	119
	5'-GTACAGGAAGTCGATGTACC-3'	
Sox9	5'-AAGAGGCCACGGAACAGACTCA-3'	132
	5'-GACCCTGAGATTGCCCAGAGTG-3'	
Sox10	5'-ACGCACTGAGGACAGCTTTGA-3'	134
	5'-ATGAGGTTATTGACACGGAACTGG-3'	
Pax3	5'-AACAAGCTGGAGCCAATCAACTG-3'	171
	5'-CTGAGGTCTGTGGACGGTGCTA-3'	
Nkx6.1	5'-TCAGGTCAAGGTCTGGTTCC-3'	212
	5'-CGATTTGTGCTTTTTCAGCA-3'	
Gapdh	5'-ACCCAGAAGACTGTGGATGG-3'	173
	5'-CACATTGGGGGTAGGAACAC-3'	