

Supplementary Materials

Table S1 HIF1A Gene amplification Primer Sequence

ID	Sequence (5'-3')
HIF1A-P1	AGGTCGACTCTAGAGGATCCCGCCACCATGGAGGGCGCCGGCGGCG
HIF1A-P2	TCCTTGTAGTCCATACCGTTAACTTGATCCAAAGCTCTGAG

Table S2 Primer Sequence

Gene	Primer	Sequence (5'-3')
GAPDH	Forward	TCAAGAAGGTGGTGAAGCAGG
	Reverse	TCAAAGGTGGAGGAGTGGGT
β -ACTIN	Forward	GCACAGAGCCTCGCCTT
	Reverse	GTTGTCGACGACGAGCG
HIF-1A	Forward	GTGGCGAAGATGGTCAAGTC
	Reverse	GGAGTGCCCTTGTTGAGGTGTT
TGF- β	Forward	TACAGCAACAATTCCTGGCGATACC
	Reverse	AATTTCCCCTCCACGGCTCAAC
IL-10	Forward	TTCACAGGGAAGAAATCG
	Reverse	ACCAAGACCCAGACATCA
IL-12b	Forward	TCACAAAGGAGGCGAGGTTCTA
	Reverse	CTCTGCTGCTTTTGACACTGAATG
IL-17A	Forward	GGATGCCCAAATTCTGAGGAC
	Reverse	ACTTTGCCTCCCAGATCACA
IL-23	Forward	TGGCTGTGCCTAGGAGTAGCA
	Reverse	TTCATCCTCTTCTTCTCTTAGTAGATTCATA
IL-6	Forward	AA TTTCTCTGGTCTTCTGG
	Reverse	ACTCTGGCTTTGTCTTTCTTGTT
TNF-a	Forward	GCCAGGAGGGAGAACAGAAACTC
	Reverse	GGCCAGTGAGTGAAAGGGACA
LDHA	Forward	CCAACATGGCAGCCTTTTCC
	Reverse	TCACGTTACGCTGGACCA AA
CXCR-4	Forward	CCTCTACAGCAGCGT TCT
	Reverse	GTT TCC TTG GCC TTT GAC
VEGF	Forward	ACATTGGTCACTTCCAGAAACAC
	Reverse	TGGTTGGAACCGGCATCTTA

GAPDH	Forward	CTCTGCTCCTCCTGTTTCGAC
	Reverse	GCGCCCAATACGACCAAATC
AKT1	Forward	GCACAAACGAGGGGAGTACATC
	Reverse	GCCATCATTCTTGAGGAGGAAGTAG
AKT2	Forward	TGTTAGCACTTCACACCCATTG
	Reverse	CCCCAACCAAACGAGTCCTA
C/CEBP β	Forward	CCTGAGTAATCGCTTAAAGATGTTC
	Reverse	GTGTTCTTAATGCTTGAAACGGA
Arg-1	Forward	TGCCCTTTGCTGACATCCCTAAT
	Reverse	TTCTTCCGTTCTTCTTGACTTCTGC
CCR-7	Forward	CAGAGGAGCAGCAGTGAGCAAG
	Reverse	GGTGCGGATGATGACAAGGTAACAG
INOS	Forward	CAAGCTGAACTTGAGCGAGGA
	Reverse	TTTACTCAGTGCCAGAAGCTGGA

Figure S1. The adipogenic and osteogenic differentiation of HIF-MSCs.

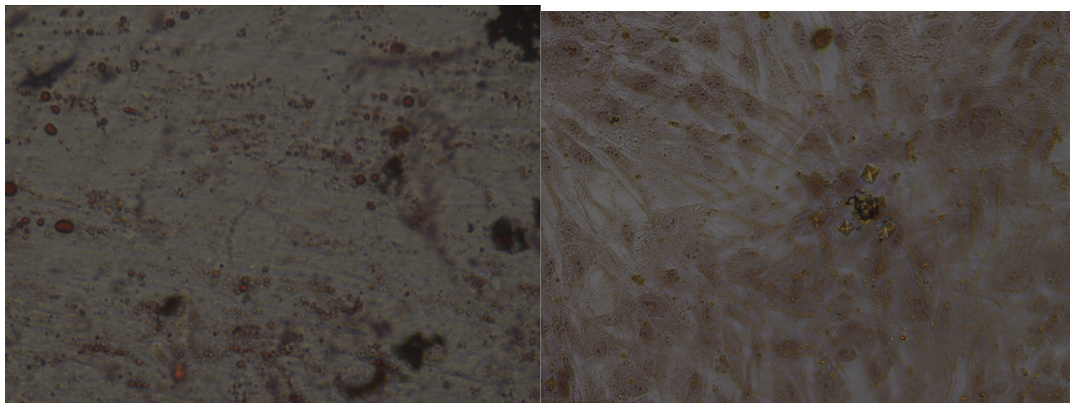
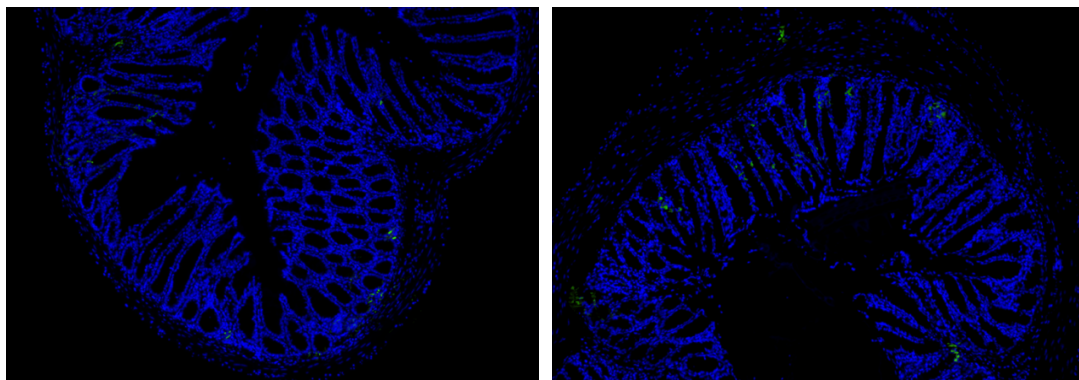


Figure S2. GFP-labeled MSCs and HIF-MSCs colonized in intestinal tissue 3 days after transplantation.



GFP-MSCs

GFP-HIFMSCs