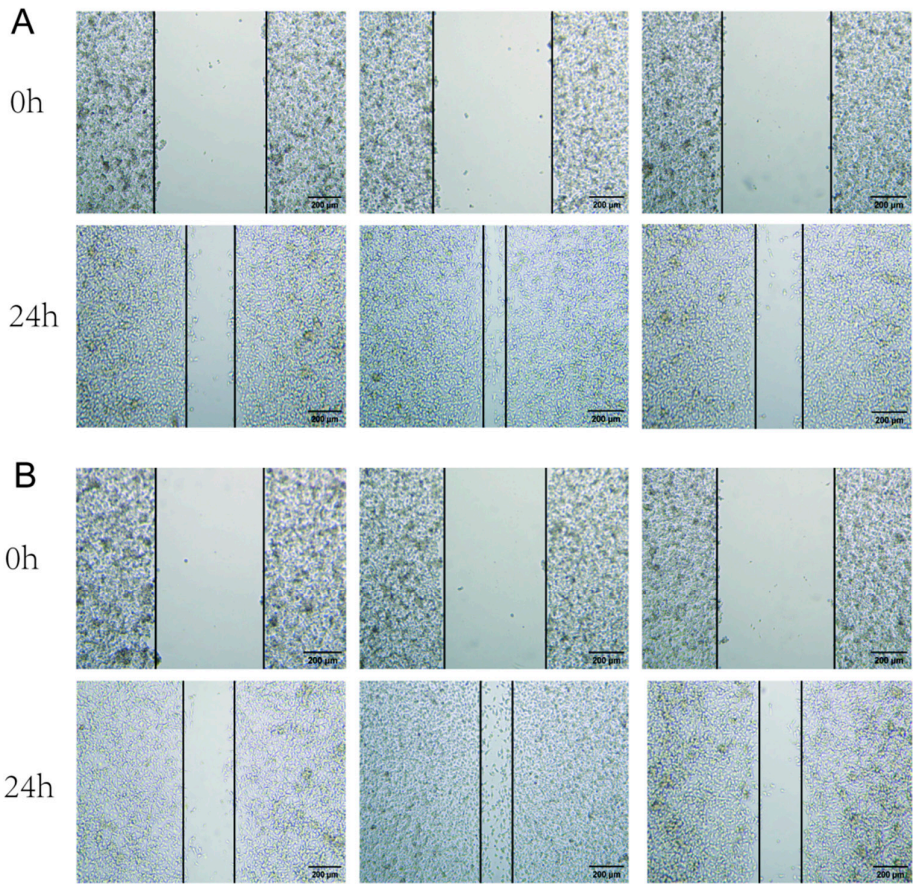

Figure S1 Cell migration map. (A) The second set of cell migration diagrams. (B) The third migration map of the cells.

Table S1 Wild EDNRB, mutant EDNRB, and EDN1 coding sequence

Gene coding sequence (5′→3′)	
Wild *EDNRB*	ATGCAGCCGCTGCGCAGCCTATGCGGACGCGCCCTG GTGGCGCTGATCTTTGCCTGTGGCGTGGCCGGGGTC CAGTCTGAGGAGAGGGGATTCCCGCCGGCCGGGGC CACTCCACCAGCCCTGAGGACCGGAGAGATAGTGG CGCCCCCTACTAAGACCTTCTGGCCCAGGGGGTCCA ACGCCAGCCTGCCTCGGTCGTCCTCCCCCCCGCAGA TGCCTAAAGGAGGGAGGATGGCGGGACCCCCAGCA CGCACGCTCACCCCTCCTCCGTGCGAAGGACCCATC GAGATCAAGGACACTTTCAAGTACATCAACACTGTG GTGTCCTGCCTAGTGTTCGTGCTGGGCATCATCGGAA ACTCCACACTGCTGCGAATCATTTACAAGAACAAGT GCATGCGAAACGGCCCTAACATCTTGATAGCCAGCC TGGCTCTGGGAGACCTGCTTCACATCATCATTGATAT CCCCATCAACGTCTACAAGCTGCTCGCCGAGGACTG GCCCTTTGGAGTTGAGATGTGTAAGCTGGTGCCTTTC ATACAGAAGGCCTCCGTGGGAATCACTGTGCTGAGT CTATGTGCTCTCAGTATTGACAGATATCGAGCCGTTG CTTCTTGGAGTCGAATTAAAGGAATCGGGGTTCCAA AATGGACAGCAGTGGAAATTGTTTTAATTTGGGTGGT CTCCGTGGTCCTGGCCGTCCCGGAAGCCTTGGGTTTT GACATGATTACCACTGACTATAAAGGAAATCGCCTG CGAATCTGCTTGCTCCATCCTACTCAGAAAACAGCC TTCATGCAGTTTTACAAGACAGCTAAAGATTGGTGG

	CTATTCAGTTTCTATTTCTGCTTGCCACTAGCCATCAC
	TGCATTTTTTTATACCCTGATGACCTGTGAAATGCTGA
	GAAAGAAGAGTGGCATGCAAATTGCTTTAAATGATC
	ACTTAAAGCAGAGACGGGAAGTGGCCAAAACCGTA
	TTTTGCCTGGTCCTTGTCTTTGCCCTGTGTTGGCTTCC
	CCTTCATCTCAGCAGGATTTTGAAGCTCACTCTGTAT
	GATCAAAATGATTCGAATAGATGTGAACTTTTGAGCT
	TTTTGTTGGTATTGGATTACATTGGCATCAACATGGCG
	TCCCTGAATTCCTGTATTAATCCAATAGCTCTGTATTT
	GGTGAGCAAAAGATTCAAAAACTGCTTTAAGTCATG
	CTTATGCTGCTGGTGCCAGTCATTTGAAGAAAAACA
	GTCCTTGGAGGAAAAGCAGTCATGCTTAAAGTTCAA
	AGCTAATGATCACGGATATGACAACTTCCGTTCCAGT
	AATAAATACAGCTCATCTTGA
	ATGCAGCCGCTGCGCAGCCTATGCGGACGCGCCCTG
	GTGGCGCTGATCTTTGCCTGTGGCGTGGCCGGGGTC
	CAGTCTGAGGAGAGGGGATTCCCGCCGGCCGGGGC
	CACTCCACCAGCCCTGAGGACCGGAGAGATAGTGG
	CGCCCCCTACTAAGACCTTCTGGCCCAGGGGGTCCA
	ACGCCAGCCTGCCTCGGTCGTCCTCCCCCCCGCAGA
	TGCCTAAAGGAGGGAGGATGGCGGGACCCCCAGCA
	CGCACGCTCACCCCTCCTCCGTGCGAAGGACCCATC
	GAGATCAAGGACACTTTCAAGTACATCAACACTGTG
	GTGTCCTGCCTAGTGTTCGTGCTGGGCATCATCGGAA
	ACTCCACACTGCTGCGAATCATTTACAAGAACAAGT
	GCATGCGAAACGGCCCTAACATCTTGATAGCCAGCC
	TGGCTCTGGGAGACCTGCTTCACATCATCATTGATAT
	CCCCATCAACGTCTACAAGCTGCTCGCCGAGGACTG
	GCCCTTTGGAGTTGAGATGTGTAAGCTGGTGCCTTTC
	ATACAGAAGGCCTCCGTGGGAATCACTGTGCTGAGT
	CTATGTGCTCTCAGTATTGACAGATATCGAGCCGTTG
	CTTCTTGGAGTCGAATTAAAGGAATCGGGGTTCCAA
Mutant *EDNRB*	AATGGACAGCAGTGGAAATTGTTTTAATTTGGGTGGT
	CTCCGTGGTCCTGGCCGTCCCGGAAGCCTTGGGTTTT
	GACATGATTACCACTGACTATAAAGGAAATCGCCTG
	CGAATCTGCTTGCTCCATCCTACTCAGAAAACAGCC
	TTCATGCAGTTTTACAAGACAGCTAAAGATTGGTGG
	CTATTCAGTTTCTATTTCTGCTTGCCACTAGCCATCAC
	TGCATTTTTTTATACCCTGATGACCTGTGAAATGCTGA
	GAAAGAAGAGTGGCATGCAAATTGCTTTAAATGATC
	ACTTAAAGCAGAGACGGGAAGTGGCCAAAACCGTA
	TTTTGCCTGGTCCTTGTCTTTGCCCTGTGTTGGCTTCC
	CCTTCATCTCAGCAGGATTTTGAAGCTCACTCTGTAT
	GATCAAAATGATTCGAATAGATGTGAACTTTTGAGCT
	TTTTGTTGGTATTGGATTACATTGGCATCAACATGGCG
	TCCCTGAATTCCTGTATTAATCCAATAGCTCTGTATTT
	GGTGAGCAAAAGATTCAAAAACTGCTTTAAGTCATG
	CTTATGCTGCTGGTGCCAGTCATTTGAAGAAAAACA
	GTCCTTGGAGGAAAAGCAGTCATGCTTAAAGTTCAA
	AGCTAATGATCACGGATATGACAACTTCCGTTCCAGT
	AATAAATACAGCTCATCTTGA
	ATGGATTATTTCCCCATGATTATCGCTCTGCTGTTTGT
EDN1	GGCTTTCCAAGGAGCTCCAGAAACAGCGGTCCTGG
	GCGCCGAGCTCAGCCCGGGAGCCGAGAGCCAAGGG

	GAGACGCCCTCTCCCCATGCATCCTGGAGGCCCCGT CGGTCCAAGCGCTGCTCCTGCTCTTCCCTGATGGATA AAGAGTGTGTCTACTTCTGCCACCTGGACATCATCTG GGTCAACACTCCAGAACACATTGTCCCATACGGACT TGGAAGCCCTTCTAGGTCCAGGCGATCCTTAAAGGA TTTGTTTCCTGCAAAGGCAGCAGACCGCAGGGATAG ATGCCAGTGTGCCAGCCAAAAAGACAAGAAGTGCT GGAGTTTCTGCCAAGCAGGAAAAGAAATCGGCAGG GACCAAGACACAATGGAGAAACGCTGGGATAACCA AAAGAAAGGAACAGACTGTTCCAAGCTTGGAGAGA AGTGTATTCATCGGCAGCTGGTGATGGGAAGAAAAA TAAGAAGGTTGGAGGCCATCAGCAACAGCATCAAA ACATCTTTTCACATCGCCAAGCTGAAAGCCGAGCTC TACAGAGATAAGAAAGTGACCCATAACCGAACACA CTGA

Table S2 Primers used for RT-PCR

Primer names Sequences (5′→3′)	
GAPDH	Forward: GTGAAGGTCGGTGTGAACGGATT Reverse: GGTCTCGCTCCTGGAAGATGGT
PLCγ	Forward: TCTGGCGGAATGGGAAAGTC Reverse: TTCGTCTGTGGAACAGGCTC
Raf	Forward: CGTGGAGACGAGTGTCGAG Reverse: CAAGTCCGCTCGGCTCTAAC
MITF	Forward: CCCCCATCTTTCTCAGGTGC Reverse: ACGATTCCCGATTCGGACTG