

Locus		Primer sequence		PCR condition
Etr-1	Full length	sense	5'-GCTAGCCAGTTCGAGTGGTACCA-3'	94°C 5' (94°C 30", 50°C 45", 72°C 1') × 35 cycle 72°C 10'
		antisense	5'-CCATGGGATACTTTTATCGATTG-3'	
Etr-1	exon3~9	sense	5'-CGAGGAGAAATCTGCGTGAG-3'	94°C 5' (94°C 30", 50°C 45", 72°C 1') × 35 cycle 72°C 10'
		antisense	5'-CTGTTGATGATTGGCGAGCG-3'	
Etr-1 ^{RNAi}	exon1~3	sense	5'-GGAATTCGAGGAGAAATCTGCGTGAC-3'	94°C 5' (94°C 30", 52°C 45", 72°C 1') × 35 cycle 72°C 7'
		antisense	5'-GGAATTCTGTTGATGATTGGCGAGCG-3'	
MB	Full length	sense	5'-GCTAGACGCCCTGTAGCTTCATCG -3'	94°C 5' (94°C 40", 53°C 40", 72°C 1') × 35 cycle 72°C 7'
		antisense	5'-CCATGGGGAGCTGTACCAATG -3'	
MB ^{RNAi}	exon1~3	sense	5'-CACCCCTACTACAACGGCATG-3'	94°C 3' (94°C 30", 55°C 45", 72°C 1') × 35 cycle 72°C 7'
		antisense	5'-CACTGCCGCTGCTGTATAAG-3'	

附表一、引子與反應條件

附表二. 實驗數據

螢光觀察

	GFP	CTG5	CTG120	CAG5	CAG120
拍照隻數	15	15	15	15	15
觀察隻數	50	50	50	50	50

RNA foci (拍照 12 隻, 觀察數 30 隻)

	GFP	CTG5	CTG120	CAG5	CAG120
拍照隻數	12	12	20	12	0
觀察隻數	30	30	30	30	0

locomotion

	GFP	CTG5	CTG120	CAG5	CAG120
拍照隻數	15	15	15	15	15
觀察隻數	50	50	50	50	50

body bends (挑 L4 的蟲 24 小時後計算)

		GFP	CTG5	CTG120	CAG5	CAG120
隻數		30	30	30	30	30
body bends per 3 minis	M	50.11	52.4	28.3	53.4	22.6
	S.E.	7.1	7.8	7.5	8.6	8.63

muscle structure

時期	GFP		CTG5		CTG120		CAG5		CAG120	
	隻數	異常	隻數	異常	隻數	異常	隻數	異常	隻數	異常
Adult	19	0	22	0.25	12	0.93	20	0.09	42	0.83
L4	15	0	10	0.22	20	0.83	16	0.09	12	0.7
L3	17	0	16	0.2	13	0.45	16	0.02	11	0.15
L2	15	0	17	0.18	16	0.38	18	0.02	13	0.12
Total	66		65		61		70		78	

electronic microscopy (挑 L4/Adult 的螢光蟲)

	GFP	CTG5	CTG120	CAG5	CAG120
拍照隻數	3	2	1	2	1