

Single Nucleotide Polymorphisms in Wild Isolates of *Caenorhabditis elegans*

Romke Koch, HGAM van Luenen, M. van der Horst, KJ. Thijssen and Ronald HA Plasterk. *Genome Research* 10:1690-1696 2000; rkoch@niob.knaw.nl

chromosom	map	pos	cosmid	pos	cosm	WT seq	SNP seq	enzyme	WT digest	SNP digest	primer fw	primer rev	extra seq	primer A	extra seq	primer B	extra seq	primer C	AB 1	AB 4	CB4555	CB4856	CB4857	DH424	KR314	RC301	RW7000	TR403	remarks	found in	POS. in SEQ read	intron/exon		
I	18.85	Y40B1A	2637			gtaaaaAttcata	gtaaaaTttcata	-	-	-	caocctaaatcaaacat	tttccactgagctcattgc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	1431w	Intron	
I	18.85	Y40B1A	2647			ataaaaTcaatgctg	ataaaaGcaatgctg	-	-	-	caocctaaatcaaacat	tttccactgagctcattgc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	1531w	Intron		
I	18.85	Y40B1A	2664			aaccacTttaa	aaccacTttaa	-	-	-	caocctaaatcaaacat	tttccactgagctcattgc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	1701w	Intron		
I	18.85	Y40B1A	2959			ttttcCGaaat	ttttcCGaaat	-	-	-	caocctaaatcaaacat	tttccactgagctcattgc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	4635w	322rev	Intergene	
I	18.85	Y40B1A	2763			aaaaaaAccaat	aaaaaaAccaat	-	-	-	caocctaaatcaaacat	tttccactgagctcattgc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	between 268,269w	522,529rev	Intron	
I	18.85	Y40B1A	3103			atttttTaaatt	atttttTaaatt	-	-	-	caocctaaatcaaacat	tttccactgagctcattgc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	176rev	Intron		
I	18.85	Y40B1A	3140			taaaacaaAaaaa	taaaacaaAaaaa	-	-	-	caocctaaatcaaacat	tttccactgagctcattgc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	183rev	Intron		
I	18.75	W08E3	5444			ctcgacAcctttt	ctcgacAcctttt	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	39rev	Intron		
I	18.75	W08E3	5432-5437			acttttAAGTGTtta	acttttitttca	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	between 45,46rev	Intron		
I	18.75	W08E3	867			tatcccGaaacct	tatcccAaaacct	-	-	-	tgcttcgcaCagctg	ggaacagaggagcaacg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	341rev	Exon 3 (gc3gc-A, P5-P)		
I	18.75	W08E3	7207/724			taAaaaAaacgca	taAaaaGaacgca	-	-	-	tgcttcgcaCagctg	ggaacagaggagcaacg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	488rev	Intron		
I	18.75	W08E3	639			ttcgctCcaagat	ttcgctTcaagat	-	-	-	tgcttcgcaCagctg	ggaacagaggagcaacg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	634rev	Intron		
I	18.75	W08E3	6692			gcaaaaAcagagA	gcaaaaGcagagG	-	-	-	caaaaaoataaatat	gagctctgacgaactg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	113w	683rev	Intron	
I	18.75	W08E3	6789			cgagacCTggat	cgagacTtggat	-	-	-	caaaaaoataaatat	gagctctgacgaactg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	209w	584rev	Intron	
I	18.75	W08E3	6643			tcagaaAGttgg	tcagaaCTgtgg	-	-	-	caaaaaoataaatat	gagctctgacgaactg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	70w	Intron		
I	18.75	W08E3	6733			tacacgTttggac	tacacgCttggac	Alu III	340, 295, 155	495, 295	caaaaaoataaatat	gagctctgacgaactg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	160w	638rev	Intron	
I	18.75	W08E3	6797			fgctgTgacacg	fgctgTgacacg	-	-	-	caaaaaoataaatat	gagctctgacgaactg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	224w	574rev	Intron	
I	18.75	W08E3	6974, 6975			aatagTtTaaaaa	aatagctTaaaaa	-	-	-	caaaaaoataaatat	gagctctgacgaactg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	between 400,401w	396,397rev	Intron	
I	18.47	M01E5	10523			gaaatAaaaaaa	gaaatTaaaaaa	Dra I (Apo I)	815 (335, 130, 120, 25)	625, 190 (335, 170, 165, 130, 120, 25)	ccaaatctcaacctatg	tctagaatTgaagTgaacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	166w	590rev	Intron	
I	18.47	M01E5	10732			tattctGaaaacc	tattctAaaaacc	-	-	-	ccaaatctcaacctatg	tctagaatTgaagTgaacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	392w	405rev	Intron	
I	18.47	M01E5	10894			aaattTtGagcat	aaattTtGagcat	-	-	-	ccaaatctcaacctatg	tctagaatTgaagTgaacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	243rev	Intron		
I	18.75	W08E3	687			tgagtGgatttc	tgagtGgatttc	-	-	-	tgcttcgcaCagctg	ggaacagaggagcaacg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	253w	512rev	Intron	
I	18.75	W08E3	724			ttttttTtagtat	ttttttClagtat	Mae I	780	470, 310	tgcttcgcaCagctg	ggaacagaggagcaacg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	290w	475rev	Intron	
I	18.75	W08E3	1009			aggtagGgtttt	aggtagAgtttt	-	-	-	tgcttcgcaCagctg	ggaacagaggagcaacg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	575w	190rev	Intron	
I	18.75	W08E3	4826			ttttttTcaagcc	ttttttAcagacc	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	181w	641rev	Intron	
I	18.75	W08E3	4946			gpcadGpccga	gpcadAcpcpcga	Sty I	525, 310	835	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	301w	518rev	Exon 3 (sa3gc-Aa, K-K)
I	18.75	W08E3	4958			agpagcTggaggt	agpagcCggaggt	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	313w	507rev	Exon 3 (gcT-gc-C, A-A)	
I	18.75	W08E3	5172			ggaaaaAgtatg	ggaaaaGgtatg	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	293rev	Intron		
I	18.75	W08E3	5191			ggaaaaTcaaga	ggaaaaGcaaga	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	218rev	Intron		
I	18.75	W08E3	5209			aaaaaGaaaaga	aaaaaTaaaaga	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	258rev	Intron		
I	18.75	W08E3	5216			taccacAaaaat	taccacGaaaat	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	249rev	Intron		
I	18.75	W08E3	5279			atgggAgaatc	atgggGgaatc	Bgl II	640, 200	840	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	186rev	Intron		
I	18.75	W08E3	5319			agatcTcaaaa	agatcTcaaaa	AwVI	670, 170	840	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	152rev	Intron		
I	18.75	W08E3	5361			atcaaaAacctg	atcaaaGacctg	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	108rev	Intron		
I	18.75	W08E3	5371, 5372			accatGAgctatc	accatAIGctatc	Alu I	315, 305, 105, 65, 45	315, 305, 170, 45	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	97, 98rev	Intron		
I	18.75	W08E3	5389			agaaTGgggt	agaaTtgggt	EcoRI	540, 210, 90	630, 210	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	76rev	Intron		
I	18.75	W08E3	5423			taccacAaaaaa	taccacGaaaaa	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	between 42,73rev	Intron		
I	18.75	W08E3	5434			taagTgtttac	taagTtTttac	-	-	-	oatocctcatcaactac	agacgctttcttggagg	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	363rev	Intron		
I	18.75	W08E3	5694			ttttaaGccttc	ttttaaAccttc	Dra I	295, 260, 185	260, 185, 175, 120	gttagtgagcgtttg	ttcgaaattgtattacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	188rev	Intron		
I	18.75	W08E3	5706			caactcGtggcc	caactcGtggcc	-	-	-	gttagtgagcgtttg	ttcgaaattgtattacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	169w	555rev	Intron	
I	18.75	W08E3	5718			agctcTtggatt	agctcGtggatt	-	-	-	gttagtgagcgtttg	ttcgaaattgtattacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	198w	543rev	Intron	
I	18.75	W08E3	5718, 5719			aagtcctTtggatt	aagtcctGtggatt	-	-	-	gttagtgagcgtttg	ttcgaaattgtattacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CB4856	between 209,210w	Intron		
I	18.75	W08E3	5844			calagpTtittgc	calagpAttittgc	-	-	-	gttagtgagcgtttg	ttcgaaattgtattacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	324w	417rev	Intron	
I	18.75	W08E3	5869			caattGAAAAA	caattGAAAAA	-	-	-	gttagtgagcgtttg	ttcgaaattgtattacc	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AB1	349w	383rev	Intron	
I	18.75	W08E3	5877			aaaaaaAgttgc	aaaaaaGttgc	-	-																									