

Supplementary Table S1 *DPY19L2* PCR and Sanger sequencing primers.

Exon	Primer	Sequence (5'–3')	Annealing temperature (°C)	Product length (bp)
1	Forward	GACCCAGCTCCACCATACTCCTT	64	504
	Reverse	GGCCAACCTCTTTCTACTCGGAC		
2	Forward	GACAGGATTAGCTGGCCG	62	386
	Reverse	AGCAAAAATATTTTAATTCATAAGTG		
3	Forward	GCAACGTACCTGGCCACAG	65	430
	Reverse	TATAGCTTATGAAACAGTGCAAGTTGA		
4	Forward	CAAAATAGCGAGAAGTGATTAG	61	414
	Reverse	TTCTACTCAACTATAAGGATACAC		
5	Forward	AGCTTCATCCATGCTACTAT	61	432
	Reverse	AGCCTTCTCAGAAAACACTATTTT		
6	Forward	GGGTAAATAATTAACACAGCA	50	462
	Reverse	AAACAACAGAATAAAAGGGAT		
7	Forward	AATTTATACGTACACTTTTTAGAATTA	57	420
	Reverse	ATTTAAACATTTCAATCAACATGC		
8	Forward	TGGACATGGTAGTTAATTGCTG	65	371
	Reverse	TCCCAAAGTGCTGAATTGAA		
9	Forward	TTAATGGTAAATTACAATGTTAATA	52	429
	Reverse	CATGGCATACTTTACCTACA		
10	Forward	CATCCATCTTTTAATTCTG	57	479
	Reverse	ATACATTTCCAGTTTTCTTCT		
11	Forward	GAGTGATAATCAGGAAAGGGC	56	320
	Reverse	TTTGGCCAAGAGTCATTCATC		
12	Forward	GGTATTTAAGTGAGGAAATAAT	48	422
	Reverse	TTTAAGACAGTAGCTATTTATTAAC		
13	Forward	AATTTTTCTATGTCATTTGTAGAC	57	306
	Reverse	CCAATAACTCGTCTAGAGACCTTAG		
14	Forward	ATTACTGTCTATAGGCTATAATCAC	64	475
	Reverse	TTCCAAGTGGCCTAGATTATC		
15	Forward	ATTATTTTATTAAGGCATGGAAGAC	62	315
	Reverse	AATTCTGAGCAATTTGCATTC		
16	Forward	TTCTGCTTTCTTATAAACCCCT	58	453
	Reverse	TCATATTTCTTTCTTAATCAC		
17	Forward	ATCCTTCAACACTTCTGAGCTTG	56	507
	Reverse	AATCTAAGATCAAGCAAATGAAGC		
18	Forward	GAATACTGATAGGCTTATTACTAAG	61	331
	Reverse	TTAGTCAGCAAAGCCACA		
19	Forward	TGAGAATTTATTGTTGACCCTACG	61	544
	Reverse	TGTCTGAGAGTTAAAGGACATAACTTA		
20	Forward	CAATTTCTAGCCCCAAGATAGT	65	505
	Reverse	TCCAGAGGCAACAGGTACG		
		Sequence with:		
21	Forward	GGGAGTTGCCAAGTGAGTCT	55	345
	Reverse	CTGTTTTGAGTCATGTATATCG		
22	Forward	ATTCTTAAAGAATCAGGACTACTA	61	313
	Reverse	ATTGTCTCTAGACAGCAATACAT		