

Appendix 1. Primers to sequence the *PCDH15* gene

Exon	Primer name	Primer sequence	Product size (bp)
1	PCDH15-1-D <sup>a</sup>	TTGTCTTTTGGGCTGTAGCA	613
	PCDH15-1-R <sup>a</sup>	TCATGACAGAGATCATTGTA CTGAAA	
2	PCDH15-2-D <sup>a</sup>	CCAGTGCATTAAACCAGTGTGT	452
	PCDH15-2-R <sup>a</sup>	GGACATCTGATTTCACTTTTCTAAGC	
3	PCDH15-3-D <sup>a</sup>	ATTAATTAGATTGCAAGATTTTCCTT	300
	PCDH15-3-R <sup>a</sup>	TCCATGGATTTGGGTTGAAA	
4	PCDH15-4-D <sup>a</sup>	GCAGATACTTTGGCCTTTTGG	563
	PCDH15-4-R <sup>a</sup>	GAAATTGACAAGCTTCCAGGAT	
5	PCDH15-5-D <sup>a</sup>	TGATTGTCTTCTCTTGTCTTAAAA	518
	PCDH15-5-R <sup>a</sup>	TTTTCCCATAGTTAAATGAATTCCTAA	
6	PCDH15-6-D <sup>a</sup>	CACTTCAGTTTGTGGTTGTGG	446
	PCDH15-6-R <sup>a</sup>	CCATCAAAAATTAGCTTCTAGCAATA	
7	PCDH15-7-D <sup>a</sup>	TCATTCTATTTTCAGATGATAAGCA	436
	PCDH15-7-R <sup>a</sup>	GGTCAAAGAATACAGTGAATAAAAACA	
8	PCDH15-8-D <sup>a</sup>	TGCCTAATTTCTATAAACTACCTGTTG	367
	PCDH15-8-R <sup>b</sup>	CCCTGAAAATAGTTTCGGACA	
9	PCDH15-9-D <sup>a</sup>	TGCTCCCCCTTAACATTCAA	520
	PCDH15-9-R <sup>a</sup>	TTGAATTGCTTTGCTTCTTCC	
10	PCDH15-10-D <sup>a</sup>	GTCTGCTTTCCCTGAACTGC	418
	PCDH15-10-R <sup>a</sup>	TGGGCTTCGCTTATTTTCTT	
11	PCDH15-11-D <sup>a</sup>	GCCTCACTGGATTTTCATTTTC	551
	PCDH15-11-R <sup>a</sup>	CTTTTTAAAATATCCTTGTTTTGGA	
11a	PCDH15-11a-D <sup>c</sup>	TCTTCATATGTGCGGTTGTGA	371
	PCDH15-11a-R <sup>d</sup>	GCAGTCTTTGCCTCAGTTGAC	
12	PCDH15-12-D <sup>a</sup>	TTCCACGATATAGGTCACCATC	557
	PCDH15-12-R <sup>a</sup>	TTCTTCTGTGAGGAAGAATGTTAAT	

13	PCDH15-13-D <sup>a</sup>	TGCTTCTTACCATATTAGAACAACACTTTT	515
	PCDH15-13-R <sup>a</sup>	TGCTTTTATTTGAAAAGTAACAGAAAT	
14	PCDH15-14-D <sup>b</sup>	TTGTGATTGCTTTAGTATTGTAACAGG	587
	PCDH15-14-R <sup>b</sup>	TGCCTCTGATATTGTCCTCTTC	
15	PCDH15-15-D <sup>a</sup>	TCCTGTAAACCCAACAACACTGAATA	392
	PCDH15-15-R <sup>a</sup>	ATCCATATTACCCTTGCTTTCCTT	
16	PCDH15-16-D <sup>a</sup>	TTTCCACATCAGGTAGGATTACA	487
	PCDH15-16-R <sup>a</sup>	AAAATGTATAAAAATAAACAGTCTCCTG	
17	PCDH15-17-D <sup>a</sup>	GCCTTAAAAGCTGTTTTCAATTTT	471
	PCDH15-17-R <sup>a</sup>	AAGGTTGCAGCACAAATAGCA	
18	PCDH15-18-D <sup>a</sup>	CAGATAGACAAATGCCAGAATGA	408
	PCDH15-18-R <sup>a</sup>	AAATGTAAATCTGTATCCTTGAAAGTT	
19	PCDH15-19-D <sup>a</sup>	TCCTCCTTAGAGGGCCAAAT	495
	PCDH15-19-R <sup>a</sup>	CACAAACCCTAATAGCAAATCTCC	
20	PCDH15-20-D <sup>a</sup>	GCACTAACGCATGACTTCCA	437
	PCDH15-20-R <sup>a</sup>	TGTTATGGGTCTGGTACCACTG	
21	PCDH15-21-D <sup>a</sup>	TGAGGTGCCAGTCTGAAATG	500
	PCDH15-21-R <sup>a</sup>	TGCATTCTAGAAAAACAAAAAGCA	
22	PCDH15-22-D <sup>a</sup>	TGATCTGGCTACATTTTCAGCTC	488
	PCDH15-22-R <sup>a</sup>	TCCAAGATGTGAGATACCAAGTG	
23	PCDH15-23-D <sup>a</sup>	CCTTCTGGAACCAGGCAAT	337
	PCDH15-23-R <sup>a</sup>	CGCCTAAACCAAAAATTGGAA	
24	PCDH15-24-D <sup>d</sup>	TGTGTGAGGGCAGAGGGTAT	415
	PCDH15-24-R <sup>a</sup>	TCACTTTAGCTAACATCACTGGATTT	
25	PCDH15-25-D <sup>a</sup>	CAAAAGCCAGCATTTTGTCA	465
	PCDH15-25-R <sup>a</sup>	ATCACTCCCTGCCTTGTCAT	
25b	PCDH15-25b-D <sup>d</sup>	TGGTGGTTGGTTTAAACATTTGA	229
	PCDH15-25b-R <sup>d</sup>	TGTCAGCCTCATAAGCAGGT	
26	PCDH15-26-D <sup>a</sup>	GGCATGGCATCTAGAAATGG	463

	PCDH15-26-R <sup>a</sup>	AAAATGAAACTCAAGAAGTTGCT	
27	PCDH15-27-D <sup>d</sup>	AAACAGACATTTAGGAGGGC	497
	PCDH15-27-R <sup>d</sup>	ATAGTGACTAACAATCTGAGTG	
28	PCDH15-28-D <sup>a</sup>	GAATTTGAAAATCAGAAACCACTG	267
	PCDH15-28-R <sup>a</sup>	CAGTTAAAAATCATGGTCATATAAAAA	
29	PCDH15-29-D <sup>a</sup>	TGGGAGCTAAATGCTGAAAAA	532
	PCDH15-29-R <sup>a</sup>	CCTGAAAACCTTTAAGGCATGAGA	
30	PCDH15-30-D <sup>d</sup>	TTCTGACTCAGCTTGTGTTTCAA	721
	PCDH15-30-R <sup>d</sup>	GGGCCATCAGTGAAAAATGT	
31	PCDH15-31-D <sup>b</sup>	TGTCATTA ACTCTGTCATTATGAATTT	270
	PCDH15-31-R <sup>b</sup>	AAACTATTACAAACGCAAAACAAGG	
32	PCDH15-32-D <sup>b</sup>	TGAATTCTACCCCTTATTCAAGAGA	639
	PCDH15-32-R <sup>b</sup>	TGCAATTGTCTCCTGAAGTTG	
33	PCDH15-33a-D <sup>a</sup>	CATTTCTCATTCTTCTCACA ACTC	595
	PCDH15-33a-R <sup>a</sup>	CCTCCTGGGTAAGCTGACTG	
	PCDH15-33b-D <sup>a</sup>	TTCAGACATTTACAGAGAACAGA	522
	PCDH15-33b-R <sup>a</sup>	GAGAGTGAAGAATGTAAAACACAAGG	
	PCDH15-33c-D <sup>a</sup>	CAAGAACTGTGGA ACTCAAATCAG	502
	PCDH15-33c-R <sup>a</sup>	CCTGTTATACAGACACACTCTGTGG	
	PCDH15-33d-D <sup>a</sup>	CTACCTCCATTTCCA ACTCCTCT	553
	PCDH15-33d-R <sup>a</sup>	ATTCATTGAATTTGGGGTAAAAT	
	PCDH15-33e-D <sup>a</sup>	GCAAACCTCTTGTTGATCATAGTC	444
	PCDH15-33e-R <sup>a</sup>	CCAAATACATAGGCTTCAAGAAAAA	
PCDH15-33f-D <sup>a</sup>	TGTGGATGCAGTAACATTTACATT	446	
PCDH15-33f-R <sup>a</sup>	AAATGCCTTACAAAAGTCAACGAC		
34	PCDH15-34-D <sup>c</sup>	GGTCATCAGGTAGCAGTTCTTACTC	470
	PCDH15-34-R <sup>c</sup>	AATTAATTTTCTCCAAAGACAAGG	
35	PCDH15-35a-D <sup>c</sup>	TTAAACGTTGAGTAACAAGAAGGAAA	550
	PCDH15-35a-R <sup>c</sup>	TCTGATTCTACAGTGCTTTCTGTTG	

	PCDH15-35b-D <sup>c</sup>	AGAGACGCCTTGAGGAAGAAG	497
	PCDH15-35b-R <sup>c</sup>	CTCCTCACTTTCCACACCTCCT	
	PCDH15-35c-D <sup>c</sup>	GAAGAGGGCAGTGCAGAATC	493
	PCDH15-35c-R <sup>c</sup>	TTGCATTAACAAAATCCTACCAGT	
<b>36</b>	PCDH15-36a-D <sup>c</sup>	AAGGATTGATGAAAGGAAATGTATG	486
	PCDH15-36a-R <sup>c</sup>	GTAGAAAATGGCCCCTTTGATAAT	
	PCDH15-36b-D <sup>d</sup>	TTGCTTCCCCTGTTCGACTGG	564
	PCDH15-36b-R <sup>c</sup>	TGAAAGTATGTCCAAAAGGATTTTC	

The melting temperature used to amplify these fragments was 55°.

<sup>a</sup> Primers previously described by Ahmed et al. [16]

<sup>b</sup> Primers modified from Ahmed et al. [16]

<sup>c</sup> Primers previously described by Ahmed et al. [17]

<sup>d</sup> Primers described in the present study.