Α						
1 <u>0</u>	2 <u>0</u>	3 <u>0</u>	4 <u>0</u>	5 <u>0</u>	6 <u>0</u>	
↓Exon 1 MAQGFAVGFD	PLGLGDLSSG	SLSSLSSRGH	LGSDSGSTAT	RYLLRKQQRL	LNGPPRGIRA	
7 <u>0</u>	8 <u>0</u>	9 <u>0</u>	10 <u>0</u>	11 <u>0</u>	12 <u>0</u>	
SSPMGRVILI	↓Exon 2 NSPIEANSDE	SDIIH <mark>SVRVE</mark>	KSPAGRLGFS	VRGGSEHGLG	IFVSKVEEGS	
13 <u>0</u>	140	15 <u>0</u>	16 <u>0</u>	17 <u>0</u>	18 <u>0</u>	
↓Exon 3 SAERAGLCVG	DKITEVNGLS	LESTTMGSAV	KVLTSSSRLH	MMVRRMGRVP	GIKFSKEKTT	
19 <u>0</u>	20 <u>0</u>	21 <u>0</u>	22 <u>0</u>	23 <u>0</u>	240	
↓ _{Exon 4} WVDVVNRRLV	VEKCGSTPSD	TSSEDGVRR <mark>I</mark>	VHLYTTSDDF	CLGFNIRGGK	EFGLGIYVSK	
25 <u>0</u>	26 <u>0</u>	27 <u>0</u>	28 <u>0</u>	29 <u>0</u>	30 <u>0</u>	
↓Exon 5 VDHGGLAEEN	GIKVGDQVLA	ANGVRFDDIS	<u>HSQAVEVLK</u> G	↓ _E QTHIMLTIKE	xon 6 TGRYPAYKEM	
31 <u>0</u>	32 <u>0</u>	33 <u>0</u>	34 <u>0</u>	35 <u>0</u>	36 <u>0</u>	
↓ _E VSEYCWLDRL	xon 7 SNGVLQQLSP	ASESSSSVSS	CASSAPYSSG	SLPSDRMDIC	LGQEEPGSRG	
37 <u>0</u>	38 <u>0</u>	39 <u>0</u>	40 <u>0</u>	41 <u>0</u>	42 <u>0</u>	
PGWGRADTAM	QTEPDAGGRV	ETWCSVRPTV	ILRDTAIRSD	GPHPGRRLDS	ALSESPKTAL	
43 <u>0</u>	44 <u>0</u>	45 <u>0</u> ↓Exon 8	46 <u>0</u>	47 <u>0</u>	48 <u>0</u>	
LLALSRPRPP	ITRSQSYLTL	WEEKQQRKKE	KSGSPGEKGA	LQRSKTLMNL	FFKGGRQGRL	
49 <u>0</u>	50 <u>0</u>	51 <u>0</u> ↓Exor	1 9 52 <u>0</u>	53 <u>0</u> ↓Exon 10	54 <u>0</u>	
ARDGRREAWT	LDSGSLAKTY	PRLDIEKAGG EMG	VGPVQKFVTW VSPCCPG	RLRRDQERGR	ALLSARSGSP -specific 517	aa isoform
55 <u>0</u>	56 <u>0</u>	57 <u>0</u>	58 <u>0</u>	59 <u>0</u> ↓ _{Exon 11}	60 <u>0</u>	
SSQLPNVDEQ	VQAWESRRPL	IQDLAQRLLT	DDEVLAVTRH	CSRYVHEGGI	EDLVRPLLAI RGPGEAPAGH	
610	620	630	640	650	660	
LDRPEKLLL	↓Exon 12 ODIRSVVAPT		I.VELEAFEAL	↓Exon 13 KSRAVRPPAL	RPARODTPPK	
PRQAGEAATA	AGHQECGGPH	RPGPLRQHGD	ACGAGGF	561	aa isoform (e	exclusion of exon 9 + 10)
67 <u>0</u>	68 <u>0</u>	69 <u>0</u>	70 <u>0</u>	71 <u>0</u>	72 <u>0</u>	
RHLITPVPDS	RGGFYLLPVN	GFPEEEDNGE	LRERLGALKV	SPSASAPRHP	HKGIPPLQDV	
73 <u>0</u> PVDAFTPLRT	74 <u>0</u>	75 <u>0</u> VAPRPLERINW	76 <u>0</u> LLTEPLSBEH	77 <u>0</u>	78 <u>0</u> OSBSBSBSBS	
790	800	810	820	<u>830</u>	840	
RSRSSRGQGK	SPGRRSPSPV	PTPAPSMTN G	RYHKPRKARP	PLPRPLDGEA	AKVGAKQGPS	
85 <u>0</u>	86 <u>0</u>	87 <u>0</u>	88 <u>0</u> ↓ _{Exon 15}	89 <u>0</u>	90 <u>0</u>	
ESGTEGTAKE	AAMKNPSGEL	K <mark>TVTLSKMKQ</mark>	SLGISISGGI	ESKVQPMVKI	EKIFPGGAAF	
91 <u>0</u> ↓ _{Exon}	92 <u>0</u>	93 <u>0</u>	94 <u>0</u>	95 <u>0</u>	96 <u>0</u>	
LSGALQAGFE	LVAVDGENLE	QVTHQRAVDT	IRRA YRNKAR	EPMELVVRVP	GPSPRPSPSD	
97 <u>0</u>	98 <u>0</u>	99 <u>0</u>	1000	101 <u>0</u>	102 <u>0</u>	
SSALTDGGLP	AUHLPAHQPL	DAAPVPAHWL	FEFFINFQIF	FIDAKLLQPT	PSPAPSPALQ	
TENSKEARSP	RIF 104 <u>0</u>					



(A) Amino acid sequence of the long PDZD7 isoform (1,033 residues, GenBank acc. no. FJ617449), the Alu-derived 517 aa isoform (blue) and the 561 aa isoform that results from exclusion of exons 9 and 10 from the mRNA (grey). PDZ domains are highlighted in yellow. The proline-rich region is underlined. 5' ends of exons are indicated by arrows. The epitope chosen for production of the antibody is in green. (B) Genomic sequence of exon 8 (red) and intron 8. AluSx sequence in blue, transcribed Alu sequence in bold and underlined, FLAM_C in green. (C) Scheme of the Alu-specific splicing (517 aa isoform). Splicing occurs at an acceptor splice site located within the AluSx sequence (c.1522+483). Termination occurs at an *in-frame* stop codon (c.1522+515). The blue bar indicates the AluSx-derived sequence that is translated as C-terminus of the 517 aa *PDZD7* transcript.

PDZD7 WHRN Harm.	1 1 1	MAQGFAVGFDPLGLGDLSSGSLSSCSLSSRGHLGSDSGSTATRYLLRKQQRLLNGPPRGIRA MNAPLDGLSVSSSSTGSLGSAAGAGGGGGGGGGLRLLSANVRQLHQALTALLSEAERE MDRKVAREFRHKVDFLIENDAEKD
		PDZ1
PDZD7 WHRN	61 57	SSPMGRVILINSPIEANSDESDIIHSVRVEKSPAGR QFTHCLNAYHARRNVFDLVRTLRVLLDSPVKRRLLPMLRLVIPRSDQLLFDQYTAEGLYL
narin.	20	ILIDVERMINQIMDVAVEVGDERLVINEPSREPEPDAIRPEIPLANQVEIDQEIPRRSKA
PDZD7	97	**************************************
WHRN Harm.	117 85	PATTPYRQPAWGGPDSAGPGEVRLVSLRRAKAH <mark>EGLGFSIRGGSEHGVGIYVSL</mark> VEPGSL LKEVRLDRLHP EGLGLSVRGGLEFGCGLFIS HLIKGGQ
	100	
PDZD7 WHRN Harm.	122 177 123	AERAGLCVGDKITEVNGLSLESTTMGSAVKVLTSSSRLHMMVRRMGRVPGIKFSKEKTTW AEKEGLRVGDQILRVNDKSLARVTHAEAVKALKG <mark>SKKLVLSVYSAGRIPG</mark> GYVTNHIYTW ADSVGLQVGDEIVRINGYSIS <mark>SCTH</mark> EEVINLIRTKKTVSIKVRHIGLIPVKSSPDEPLTW
		PDZ2
PDZD7	182	VDVVNRRUVVEKCGSTPSDTSSEDGVRRIVHLYTTSDDFCLGFN
WHRN Harm.	237 183	VDPQGRSISPPSGLPQPHGGALRQQEGDRRSTLHLLQGGDEKKVNLVLGDGRSLGLTIRG QYVDQFVSESGGVRGSLGSPGNRENKEKKVFISLVGSRGLGCSISS
7 חעתם	220	
WHRN Harm.	229 297 229	GREFGLGIFVSKVDHGGLAEENGIKVGDQVDAANGVRFDDISHSQAVEVLKGQIHIMLII GAEYGLGIYITGVDPGSEAEGSGLKVGDQILEVNGRSFLNILHDEAVRLLKSSRHLILTV GPIQKPGIFISHVKPGSLSAEVGLEIGDQIVEVNGVDFSNLDHKEAVNVLKSSRSLTISI
PDZD7 WHRN Harm.	289 357 289	KETGRYPAYKEMVSEYCWLDRLSNGVLQQLSPASESSSSVSSCASSAPYSSGSLPSDRMD KDVGRLPHARTTVDETKWIASSRIRETMANSAGFLGDLTTEGINKPGFYKGPAGSQVTLS VAAAGRELFMTDRERLAEARQRELQRQELLMQKRLAMESNKILQEQQEMERQRRKEIAQK
PDZD7 Whrn	349 417	ICLGQEEPGSRGPGWG SLGNOT
Harm.	349	AAEEN <mark>B</mark> RYRKEMEQIV
PDZD7	409	DSALSESPKTALLLALSRPRPPITRSQSYLTLW <mark>EE</mark> KQQR <mark>KK</mark> EKSGSP <mark>G</mark> E <mark>K</mark> GA <mark>L</mark> QRS <mark>KT</mark> LM
WHRN Harm.	423 365	Ee eekf <mark>kk</mark> qweedw <mark>g</mark> skeq l llp kti t
PDZD7	469	NLEEKGGROGRI.ARDGRREAWTI.DSGSLAKTYPRI.DIEKAGGVGPVOKEVTWRI.RRDOER
WHRN	423	
Harm.	392	AEVHPVPLRKPKSFGWFYRYDGKFPTIRK <mark>K</mark> GKDKKKAKY <mark>G</mark> SLQDLRKNKKELEFEQKLYK
PDZD7 WHRN	529 423	GRALLSARSGSPSSQLPNVDEQVQAWESRRPLIQDLAQRLLTDDEVLAVTRHCSRYVHEG
Harm.	452	EKEEMLEKEKQLKINRLAQEVSETEREDL
7ח.7ח	589	G-TEDIVRPLIATIORPEKILLIODTRSW/APTDLCREDSMWMLWELEAFEALKSRAWRD
WHRN	454	VSVEALVMALFKLLNTHAKFSLLSEVRGTISPQDLERFDHLVLRREIESMKARQPPCPGA
Harm.	481	

PDZD7	648	PALRPARQDTPPKRHLITPVPDSRGGFYLLPVNGFPEEEDNGELRERLGALKVSP
WHRN	514	GDTYSMVSYSDTGSSTGSHGTSTTVSSARNTLDLEETGEAVQGNINALPDVSVDDVRSTS
Harm.	481	EESEKIQYWVERLCQTRLEQISSAD
PDZD7	703	SASAPR
WHRN	574	QGLSSFKPLPRPPPLAQGNDLPLGQPRKLGREDLQPPSSMPSCSGTVFSAPQNRSPPAGT
Harm.	506	NEISEMTTGPPPPPSVSPLAPPLRRFAGGLHLHTTD
PDZD7	709	HPHKGIPPLQDVPVDAFPIYASVSPANPSSKRPLDAHLALVNQHPIGPFP
WHRN	634	APTPGTSSAQDLPSSPIYASVSPANPSSKRPLDAHLALVNQHPIGPFP
Harm.	543	LDDIPLDMFYYPPKTPSALPVMPHPPPSNPPHKVPAPPVLPLSGHVSASSSP
PDZD7	726	TPLRIACTPPPQLPPVAPRPLRPNWLLTEPLSREHPPQSQIR
WHRN	682	RVQSPPHLKSPSAEATVAGGCLLPPSPSGHPDQTGTNQHFVMVEVHRPDSE
Harm.	595	WVQRTPPPIPIPPSVPTQDLTPTRPLPSALEEALSNHPFRTGDTGNPVEDWEAKNHSG
PDZD7	768	GRAQSRSR <mark>SRSRS</mark> RSR
WHRN	733	PDV <mark>N</mark> EVRALPQTRTASTLSQLSDSGQTLSEDSGVDAGEAEASAP <mark>GRG</mark> RQSVS <mark>TKSRS</mark> SKE
Harm.	655	KPT <mark>N</mark> SPVPEQSFPP
PDZD7 WHRN Harm.	784 793 669	SSRGQGKSPGRRS <mark>PSPVPTPAP</mark> SMTNGRYHKPRKARPPLPRPLDGEAAKVGAKQGPSESG LPRNERPTDGANKPPGLLEPTSTL
PDZD7 WHRN Harm.	844 817 722	PDZ3 **** TEGTAKEAAMKNPSGELKTVTLSKMKQSLGISISGGIESKVQPMVKVRVKKSAATLGIAIEGGANTR-QPLPR YQTAFRQDFRKYEEGFDPYSMFTPEQIMGKDVRLLRIKKEGSLDLALEGGVDSP-IGKVV
PDZD7	890	IEKIFPGGAAFLSGALQAGFELVAVDGENLEQVTHQRAVDTIRRAYRNKAREPMELVVRV
WHRN	843	IVTIQRGGSAHNCGQLKVGHVILEVNGLTLRGKEHREAARIIAEAFKTKDRDYIDFLVTE
Harm.	781	VSAVYER <mark>GAA</mark> ERH <mark>GGIVKGDEIMAING</mark> KIVTDY <mark>TLAEA</mark> EAALQKAWNQGGDWIDLVVAVC
PDZD7 WHRN Harm.	950 903 841	PGPSPRPSPSDSSALTDGGLPADHLPAHQPLDAAPVPAHWLPEPPTNPQTPPTDARLLQP FNVMLPPKEYDDELASLPSSVAESPQPVRKLLEDRAAVHRHGFLLQLEPTDLLLKSKRGNQIHR-
PDZD7 WHRN Harm.	1010	TPSPAPSPALQTPDSKPAPSPRIP

Supplemental Figure 2. Alignment of amino acid sequences of PDZD7 (1,033 residues isoform, GenBank acc. no. FJ617449), the USH2D protein whirlin (long isoform, GenBank acc. no. BC142614) and the USH1C protein harmonin (b3 isoform, GenBank acc. no. NM_153676).



Expression profile of human and mouse PDZD7 (RT-PCR analyses).

Samples were taken after 30 cycles. Bands were verified by sequencing as *PDZD7* amplicons. Amplification was carried out with primers located in (**A**) exon 1/2, (**B**) exons 10/14, and (**C**) exons 11/14. (**D**) The same cDNA samples were used as a template for PCR with primers for a housekeeping gene (*G3PDH*). *Unspecific PCR product: Pancreatic carboxypeptidase A1, CPA1 (7q32.2). (**E**) Expression of *pdzd7* in the mouse cochlea. 1: mouse *pdzd7* primers c.11F (5'-GTACTAGCAGTCACTCGCCAC-3') vs. c.15R (5'-CCTGCGCCCAGGAGACTTGCCTTG-3'), 657 bp. 2: water control. 3: primers for a housekeeping gene (*G3PDH*). 4: water control. Lanes 1/2 and 3/4 were run on the same gel but noncontiguous.



anti-FLAG Merge + DAPI __

Supplemental Figure 4

Α

B

A novel polyclonal antibody was raised against the newly predicted C-term of PDZD7.

(**A**) To prove specificity of the antibody, HEK293T cells were co-transfected with FLAG.Podocin and either FLAG.PDZD7³¹⁴⁻⁵⁰³ or FLAG.PDZD7⁷⁶²⁻¹⁰¹². Western blot analysis of cell lysates revealed that the antibody only recognizes the targeted protein truncation but neither FLAG.Podocin nor a control truncation of PDZD7. Comparable protein expression was proven by an anti-FLAG staining of the same lysates. (**B**) For further validation of the antibody, HEK293T cells were transfected with FLAG.PDZD7⁷⁶²⁻¹⁰¹². This PDZD7 truncation could be detected with either an anti-FLAG or an anti-PDZD7 antibody, resulting in an overlapping staining pattern. Scale bar: 10 μm.



PDZD7 localizes to the ciliary base.

PDZD7 staining of human nasal cells demonstrates localization of PDZD7 at the ciliary base and at the nucleus. Cilia were visualized with an anti-VHL antibody, nuclei with DAPI. Scale bar: $10 \ \mu m$.





Electropherograms of *PDZD7*, *USH2A* and *GPR98* mutations identified in this study.



Exclusion of large deletions or duplications affecting coding parts of *GPR98* by high-resolution array CGH using a customized NimbleGen array (black dots indicate oligonucleotide probes that densely cover the genomic *GPR98* region). Array CGH with a 6.0 Affymetrix SNP array likewise did not indicate any potentially deleterious copy number variation (not shown). (A) Overview of the array CGH data from the NimbleGen customized array. (B) Enlargement of a region with a questionable 12 kb deletion that would encompass *GPR98* exon 84. PCR experiments based on multiple primer combinations did not amplify junction fragments that would be expected if the 12 kb deletion was present.



Anti-active Caspase-3 labeling of control and morpholino-treated retinas.

Exon	Forward primer	Reverse primer	Coding sequence (bp)	Fragment size (bp)
1	ggagctcacacttctgagaggc	cctgccacctccctgtgactc	226	520
2	cttagaaatgggctgacctgc	gtccctgacagcagcatcc	141	384
3	gctctgacaatcctcactctg	ctctccttattttgaggtcag	175	453
4+5	ccagctaatgaacctatgc	ctaccttctagtggctgtg	177/148	858
6	gcatgatgaatttggaggac	ctgtactcaagcgatcctc	61	341
7	cagcatttcggagcagcggg	gtctgagcagcctggagcttg	396	694
8	ggaagaggaaccgcactctcac	ctcatgaggaaactgaggctc	198	489
9	cctcagggccaggcctcttg	cataccattctagctgcctg	51	330
10	ggagcatataggctaggctag	cactagcctcctggtgtcaag	176	414
11-13	gaacctttcccaaggcacgcag	gtggacaagagctttccttc	92/92/72	848
14.1	gcgattctaatagaacatgtc	cctggagacttgccttgac	612	511
14.2	ctggctgctgacagaaccc	ggtgtgagcctctgcgcctg		471
15+16	gagtagtaacagaatgtagg	gatgctggagtcagtgggtg	101/384	1058

Supplemental Table 1

Primers for *PDZD7* mutation screening.

cDNA	Forward primer	Reverse primer	Amplicon (bp)	
human				
1 – 763	ATGGCGCAGGGTTTCGCAGTG	CCACCTTGATGCCATTCTCCTCG	763	
512 – 1899	GCATCAAGTTCTCCAAGGAG	CTCCACAAGCATCACCATGC	1388	
1753 – 3102+41 (3'-UTR)	GTGCACGAGGGAGGCATAGAGG	CACCCACTGACTCCAGCATC	1391	
1391 – Alu in intron 8	CCAAGACGCTGATGAACCTC	GCTGGTCTTAAACTCCTGG	218/ 386	
zebrafish				
100 bp of 5'-UTR – 247	CTCTGGACTGTAATCCTGCTAG	GTGAGGATGGCCATCTGG	347	
1–646	ATGGCTCATTCGTCTGACACGG	CTTTGCCGCCACGGATGTTGAAG	646	
175–938	CCTGTCGATGGTGGAGATGAC	GTGGAGGAGTATGAATCTGAGC	764	
757–1248	GACATCACACAGCAATGCAG	CAGAAACTAGTCGAATGGTAGG	413	
1209–1738	GACAGCCCATTCCCGGACAAGG	CGACCAGAAACCTTTTACAGTGTC	530	
1620–2237	GGAGCAAAGCCCGATGCCTAGC	CGTCCAGTGCGTTCTGTGCTG	619	
2167–2660	CGCTCTTTGAGTCCTGCTCG	CTGCCCTTCAGGACATCAC	494	
784-1930	TGGCGGCCTGGCAGAACAAATG	GGGGCGCACTAGATCCTCAACCAC	1146	
1989-2907	TCATTCCTGCCACAGATCTGG	CTGAAAGCCCTCCGAATGG	918	
1989-3'UTR	TCATTCCTGCCACAGATCTGG	CTTCGCTGTGAGTAAATCAGG	1033	

Supplemental Table 2

Primers for cloning human full-length *PDZD7* and the isoform derived from intron 8 Alu insertion.

Position	Exon/ IVS	Change	Frequency in patients	Rel. frequency in patients	Frequency in controls	Rel. frequency in controls	Rel frequency total	rs number; carrier(s)
c.1-86A>G	IVS 0	-	27/474	0.0570	21/508	0.0413	0,0479	
c.159G>C	exon 1	p.G59G	1/474	0.0021	0/508	0	0,0010	1 x USH1
c.367+7A>G	IVS 2	-	153/474	0.3228	n. d.	n. d.	n. d.	rs6584410
c.367+51delT	IVS 2	-	3/452	0.0133	n. d.	n. d.	n. d.	
c.368-54A>G	IVS 2	-	6/460	0.0130	n. d.	n. d.	n. d.	
c.542+48C>G	IVS 3	-	48/446	0.1076	n. d.	n. d.	n. d.	rs3740496
c.539C>T	exon 3	p.T180M	1/474	0.0021	n. d.	n. d.	n. d.	1 x USH2
c.559C>T	exon 4	p.R187W	1/474	0.0021	n. d.	n. d.	n. d.	1 x USH2D (Ebermann et al., 2007)
c.572T>A	exon 4	p.V191E	7/474	0.0148	n. d.	n. d.	n. d.	
c.719+136C>A	IVS4	-	9/474	0.0190	n. d.	n. d.	n. d.	rs41291480
c.928+20delC	IVS 6	-	254/474	0.5359	n. d.	n. d.	n. d.	
c.928+63A>C	IVS 6	-	90/248	0.3629	n. d.	n. d.	n. d.	rs7075685
c.928+110C>T	IVS 6	-	117/248	0.4718	n. d.	n. d.	n. d.	rs7075659
c.936C>T	exon 7	p.N312N	8/474	0.0169	n. d.	n. d.	n. d.	rs35038258
c.1008C>T	exon 7	p.P336P	1/474	0.0021	n. d.	n. d.	n. d.	1 x USH2
c.1011C>T	exon 7	p.Y337Y	10/474	0.0211	n. d.	n. d.	n. d.	rs34705415
c.1388G>C	exon 8	p.R463P	13/474	0.0274	n. d.	n. d.	n. d.	
c.1522+88G>C	IVS 8	-	168/438	0.3836	n. d.	n. d.	n. d.	rs11190793
c.1613G>A	exon 10	-	6/474	0.0127	n. d.	n. d.	n. d.	
c.1749+43delA	IVS 10	-	253/468	0.5406	n. d.	n. d.	n. d.	rs34125357
c.1934-55C>T	IVS 12	-	88/474	0.1857	n. d.	n. d.	n. d.	rs807020
c.1934-40C>G	IVS 12	-	1/514	0.0019	n. d.	n. d.	n. d.	1 x USH2
c.2006-79A>G	IVS 13	-	1/454	0.0022	8/852	0.0069	0,0074	
c.2006-26_37ins17bp	IVS 13	-	8/474	0.0169	23/852	0.0234	0.0263	
c.2011C>A	exon 14	p.R671S	1/474	0.0021	0/808	0	0.0001	1 x USH2
c.2049G>A	exon 14	p.P683P	8/474	0.0169	3/808	0.0037	0.0086	rs34693310
c.2132A>G	exon 14	p.H711R	10/474	0.0211	2/808	0.0025	0,0094	rs34616847
c.2144C>T	exon 14	p.P715L	4/474	0.0084	7/808	0.0087	0.0086	
c.2250G>T	exon 14	p.W750C	1/474	0.0021	4/808	0.0050	0.0039	
c.2319C>T	exon 14	p.R773R	88/474	0.1857	127/808	0.1572	0.1677	rs807022
c.2340_2341ins6bp	exon 14	p.S780_R781insRS	249/474	0.5253	363/808	0.4493	0.4773	
c.2368A>G	exon 14	p.K790Q	7/474	0.0148	n. d.	n. d.	n. d.	
c.2564C>A	exon 14	p.T855N	82/474	0.1730	n. d.	n. d.	n. d.	rs807023
c.2718+146G>T	IVS 15	-	1/474	0.0021	n. d.	n. d.	n. d.	1x USH2
c.3092G>A	exon 16	p.R1031H	30/474	0.0633	n. d.	n. d.	n. d.	

Supplemental Table 3

Non-pathogenic variations in PDZD7.

237 patients (474 alleles) were analyzed. Differences in control numbers are due to heterozygosity of deletion or insertion polymorphisms upstream of SNP positions or otherwise illegible sequence at the respective position. For variants detected only once, the USH subtype of the patient is given in the last column.