

Supplementary Table 1: Variants Family 21

genomic (GRCh37/hg19)	Gene	DNA	Protein	Exon	Function	gnomAD	dbSNP	pph2	Sift	CADD	Zygoty	Depth	%Var	gnomAD total	European (non Finnish)	Finnish	Ashkenazi	African	Latino	East Asians	South Asians	Other	
18:g.74700385A>T	MBP	NM_001025101.1:c.750+66T>A uc010xfe.1:c.417T>A	B7Z3Y6-1.p.Phe139Leu	4/4	intron_variant missense	n.l.	n.a.	benign	0.02	0.11	het	200	45	n.l.									
4:g.143226886C>A	INPP4B	NM_003886.3:c.424-196G>T uc011chp.1:c.3G>T	XP_005263380.1:p.Met1?	1/13	intron_variant start lost	1/95788		benign	0	7.8	het	60	45	95844-1-0	40850-1-0	5256-0-0	5694-0-0	5630-0-0	12314-0-0	8198-0-0	15018-0-0	2884-0-0	
1:g.158263345G>A	CD1C	NM_001765.3:c.*79G>A		6/6	3_prime_UTR_variant		rs374456855		2.509		het	92	46	282274-120-0	128852-99-0	25106-1-0	10360-0-0	24884-10-0	35376-6-0	19910-0-0	30588-1-0	7198-3-0	
6:g.139094704C>T	CCDC28A	NM_015439.2:c.-108C>T		1/6	5_prime_UTR_variant		rs778077003		11.29		het	260	45	238864-1-0	108926-1-0	16622-0-0	9914-0-0	14516-0-0	34322-0-0	18060-0-0	30568-0-0	5936-0-0	
7:g.142630638A>G	TRPV5	NM_019841.7:c.-82A>G		1/15	5_prime_UTR_variant		rs139060958		4.394		het	186	50	31384-60-1	15428-2-0	3476-0-0	290-0-0	8700-7-0	846-26-1	846-18-0	0-0-0	1088-7-0	
chrX:149681118C>T	MAMLD1	NM_001177466.2:c.*889C>T		6/6	3_prime_UTR_variant		rs781858622		n.a.		het	260	49	121584-240-92	6695-115-49	50993-115-39	6282-0-0	10962-2-1	10962-0-0	8815-0-0	14029-0-0	3891-8-3	

